

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026968.D
 Acq On : 21 Sep 2018 15:15
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:04 PM

Quant Time: Sep 22 01:03:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	80550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132281	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	130811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	30868	23.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.38%	
35) Dibromofluoromethane	4.88	113	21975	20.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.02%	
50) Toluene-d8	7.57	98	80910	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
62) 4-Bromofluorobenzene	10.31	95	26462	18.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	20720	23.069	ug/l	100
3) Chloromethane	1.33	50	34958	26.793	ug/l	98
4) Vinyl Chloride	1.41	62	33562	25.371	ug/l	99
5) Bromomethane	1.62	94	17892	22.048	ug/l	95
6) Chloroethane	1.70	64	22390	26.490	ug/l	99
7) Trichlorofluoromethane	1.89	101	37440	22.222	ug/l	100
8) Diethyl Ether	2.11	74	19040	25.199	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23498	23.383	ug/l	98
10) Methyl Iodide	2.41	142	28162	32.107	ug/l	99
11) Tert butyl alcohol	2.83	59	37250	118.742	ug/l	100
12) 1,1-Dichloroethene	2.29	96	22416	23.529	ug/l	98
13) Acrolein	2.20	56	21312	104.420	ug/l	99
14) Allyl chloride	2.59	41	45612	25.689	ug/l	98
15) Acrylonitrile	2.94	53	95191	138.616	ug/l	99
16) Acetone	2.32	43	96333	131.542	ug/l	100
17) Carbon Disulfide	2.48	76	70536	23.117	ug/l	100
18) Methyl Acetate	2.62	43	46960	28.889	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	81991	24.527	ug/l	100
20) Methylene Chloride	2.70	84	28239	24.231	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	24551	24.276	ug/l	90
22) Diisopropyl ether	3.58	45	99412	26.737	ug/l	98
23) Vinyl Acetate	3.53	43	420167	133.115	ug/l	100
24) 1,1-Dichloroethane	3.45	63	53786	25.975	ug/l	98
25) 2-Butanone	4.27	43	136467	136.560	ug/l	99
26) 2,2-Dichloropropane	4.23	77	41562	24.712	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	26726	23.079	ug/l	99
28) Bromochloromethane	4.55	49	25253	25.315	ug/l	98
29) Tetrahydrofuran	4.64	42	84942	139.629	ug/l	100
30) Chloroform	4.68	83	50233	24.949	ug/l	95
31) Cyclohexane	5.00	56	46924	21.975	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	40699	24.615	ug/l	99
36) 1,1-Dichloropropene	5.14	75	36201	23.700	ug/l	99
37) Ethyl Acetate	4.39	43	46655	24.732	ug/l	96
38) Carbon Tetrachloride	5.14	117	34719	21.850	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	37307	20.736	ug/l	95
40) Benzene	5.39	78	111353	23.569	ug/l	99
41) Methacrylonitrile	4.55	41	26423	26.878	ug/l	98
42) 1,2-Dichloroethane	5.41	62	42736	24.953	ug/l	99
43) Isopropyl Acetate	5.55	43	72083	25.293	ug/l	98
44) Trichloroethene	6.19	130	23630	20.688	ug/l	99
45) 1,2-Dichloropropane	6.43	63	31774	24.513	ug/l	96
46) Dibromomethane	6.56	93	19011	23.111	ug/l	98
47) Bromodichloromethane	6.76	83	37737	23.163	ug/l	97
48) Methyl methacrylate	6.63	41	35159	24.897	ug/l	98
49) 1,4-Dioxane	6.62	88	15365	484.199	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	253149	131.682	ug/l	100
52) Toluene	7.64	92	65698	23.274	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	41101	22.625	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	45176	23.066	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	28217	23.500	ug/l	98
56) Ethyl methacrylate	8.02	69	39270	22.196	ug/l	98
57) 1,3-Dichloropropane	8.24	76	51627	24.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	120941	133.372	ug/l	99
59) 2-Hexanone	8.36	43	192128	127.697	ug/l	99
60) Dibromochloromethane	8.48	129	26642	20.924	ug/l	98
61) 1,2-Dibromoethane	8.59	107	28486	21.956	ug/l	98
64) Tetrachloroethene	8.23	164	20574	20.006	ug/l	99
65) Chlorobenzene	9.12	112	67896	20.863	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	24821	20.817	ug/l	98
67) Ethyl Benzene	9.25	91	114590	21.165	ug/l	98
68) m/p-Xylenes	9.38	106	87752	42.862	ug/l	100
69) o-Xylene	9.78	106	40921	20.608	ug/l	100
70) Styrene	9.79	104	67892	20.859	ug/l	99
71) Bromoform	9.96	173	18466	18.195	ug/l #	97
73) Isopropylbenzene	10.17	105	110915	22.783	ug/l	100
74) N-amyl acetate	10.02	43	60399	25.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	48354	24.096	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42125m	25.800	ug/l	
77) Bromobenzene	10.45	156	25964	20.026	ug/l	98
78) n-propylbenzene	10.59	91	131129	23.024	ug/l	99
79) 2-Chlorotoluene	10.66	91	83381	23.661	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	94494	23.135	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	12355m	22.115	ug/l	
82) 4-Chlorotoluene	10.77	91	91814	23.198	ug/l	99
83) tert-Butylbenzene	11.10	119	86519	21.066	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	95903	23.233	ug/l	99
85) sec-Butylbenzene	11.32	105	110677	22.520	ug/l	99
86) p-Isopropyltoluene	11.48	119	92750	21.769	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	47759	19.733	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	49559	19.678	ug/l	98
89) n-Butylbenzene	11.89	91	79350	21.067	ug/l	98
90) Hexachloroethane	12.15	117	18418	21.410	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	49679	20.424	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9530	23.692	ug/l	98

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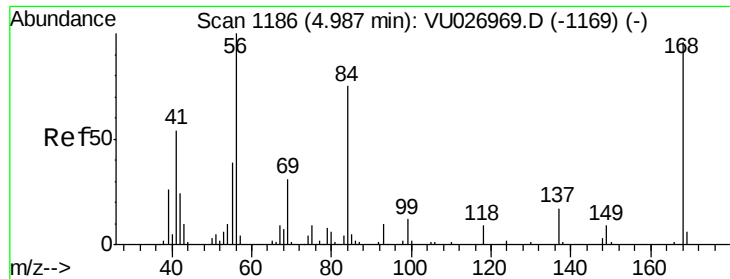
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	28471	17.904	ug/l	100
94) Hexachlorobutadiene	13.69	225	15417	18.855	ug/l	98
95) Naphthalene	13.74	128	98778	20.078	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	31579	18.919	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 80550

Ion Ratio Lower Upper

168 100

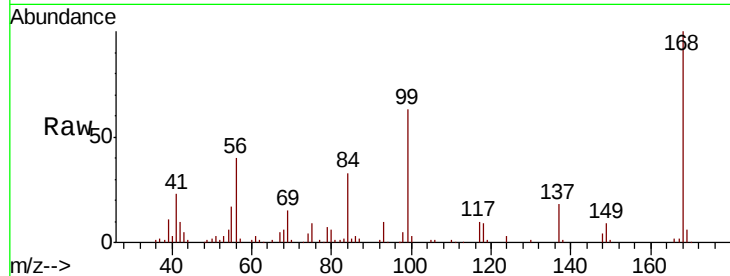
99 62.1 48.1 72.1

Manual Integrations

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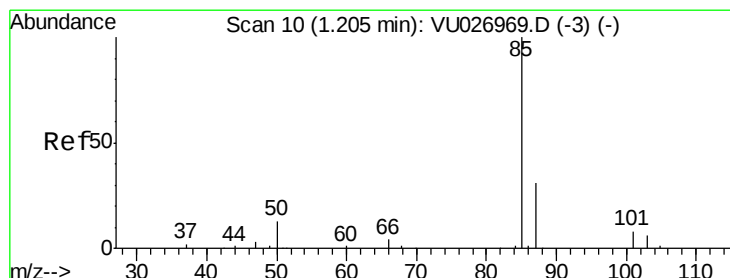
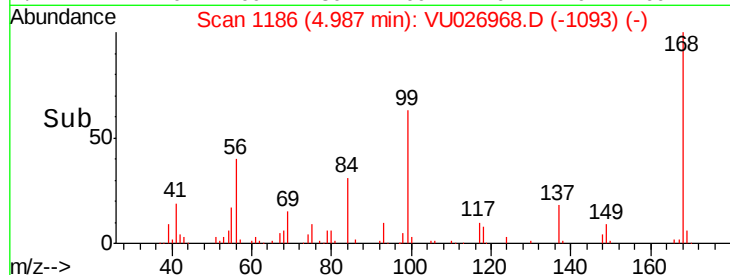
Abundance Ion 167.90 (167.60 to 168.60): VU026968.D (-1093) (-)

Ion 98.90 (98.60 to 99.60): VU026968.D (-1093) (-)

4.99

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.069 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026968.D

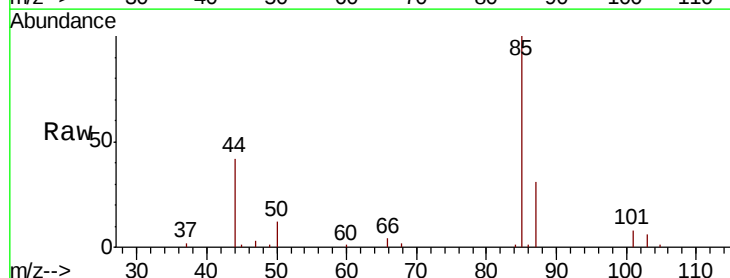
Acq: 21 Sep 2018 15:15

Tgt Ion: 85 Resp: 20720

Ion Ratio Lower Upper

85 100

87 30.9 15.6 46.7



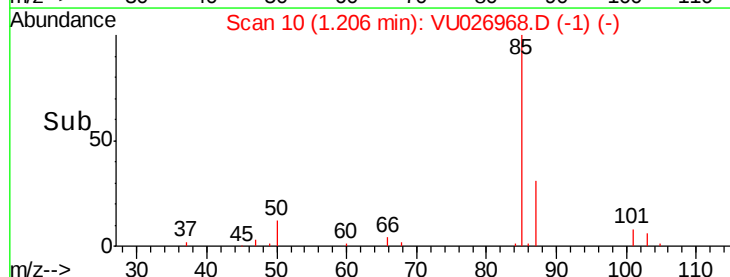
Abundance Ion 84.90 (84.60 to 85.60): VU026968.D (-1) (-)

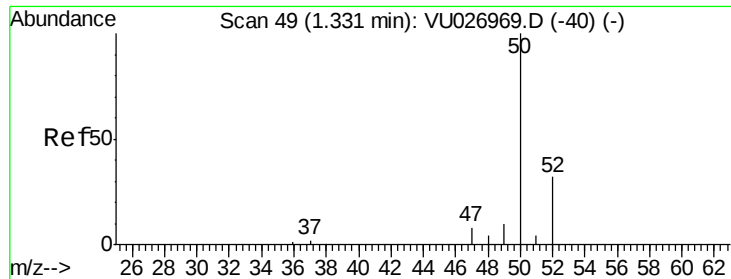
Ion 86.90 (86.60 to 87.60): VU026968.D (-1) (-)

1.21

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 26.793 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 34958

Ion Ratio Lower Upper

50 100

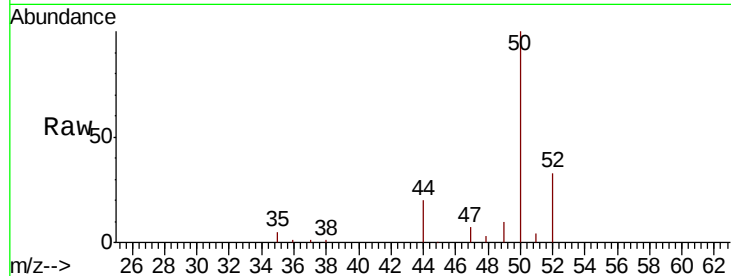
52 33.3 25.9 38.9

Manual Integrations

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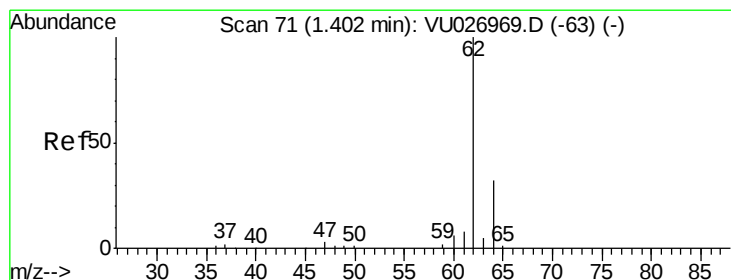
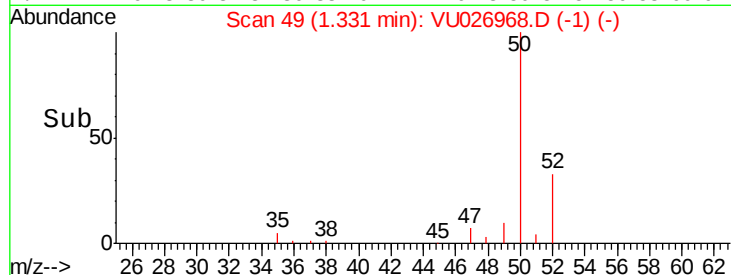
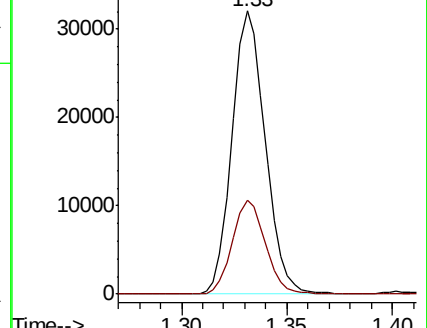
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 25.371 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU026968.D

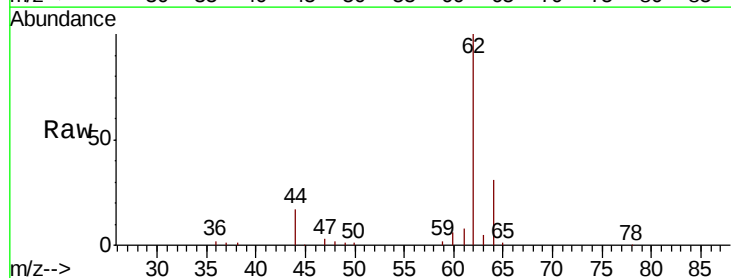
Acq: 21 Sep 2018 15:15

Tgt Ion: 62 Resp: 33562

Ion Ratio Lower Upper

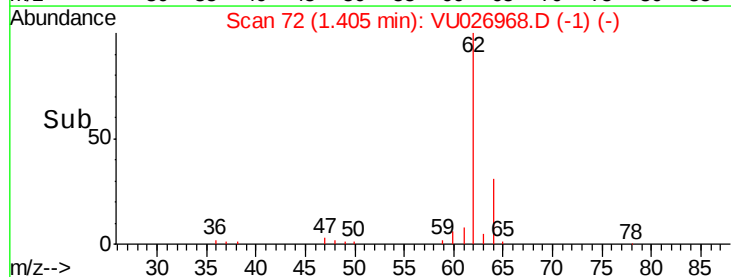
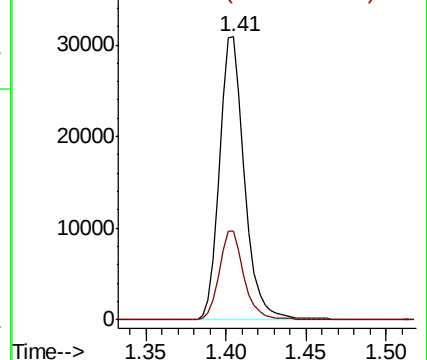
62 100

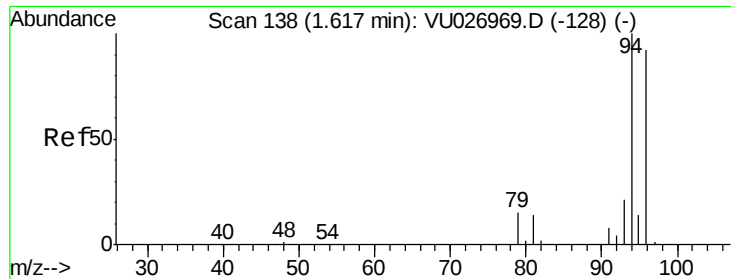
64 31.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 22.048 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 17892

Ion Ratio Lower Upper

94 100

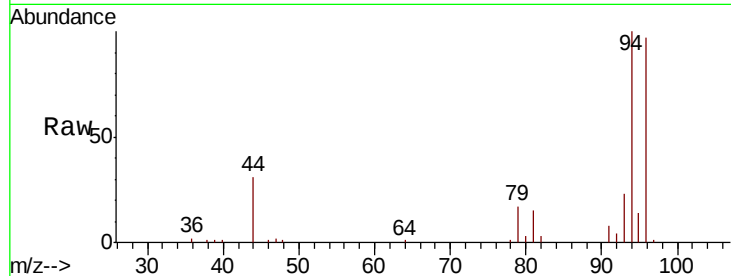
96 96.7 73.2 109.8

Manual Integrations

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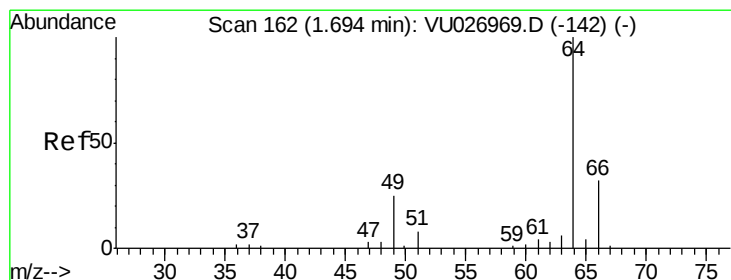
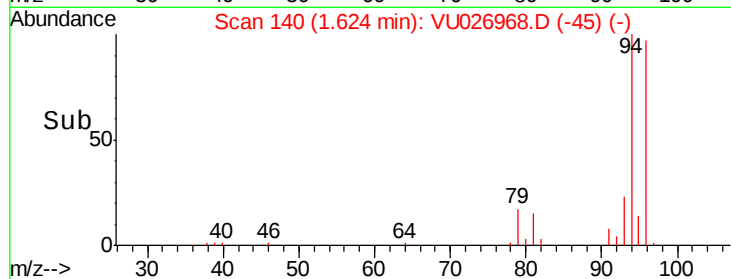
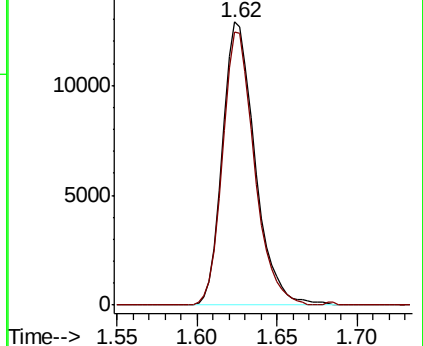
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Abundance Ion 93.90 (93.60 to 94.60): VU026968.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU026968.D (-128) (-)



#6

Chloroethane

Concen: 26.490 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026968.D

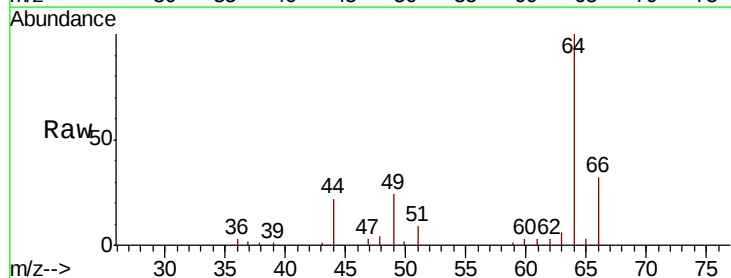
Acq: 21 Sep 2018 15:15

Tgt Ion: 64 Resp: 22390

Ion Ratio Lower Upper

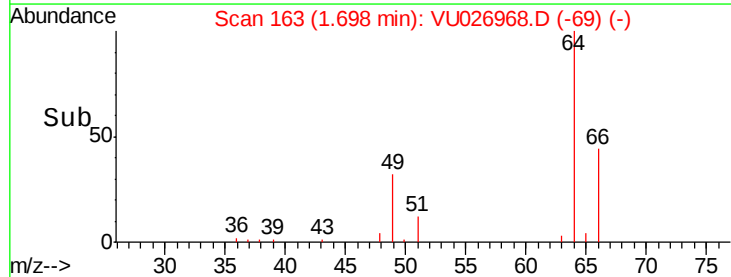
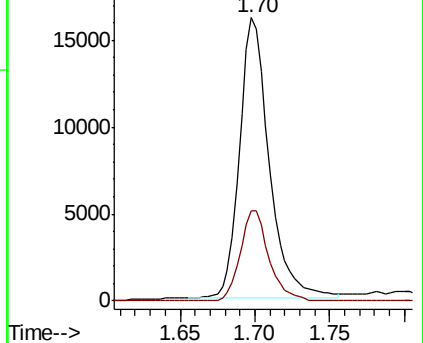
64 100

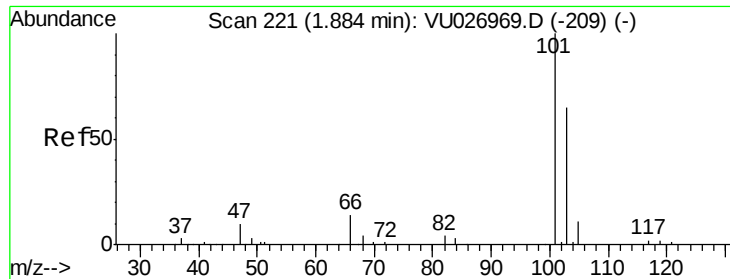
66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026968.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026968.D (-142) (-)





#7

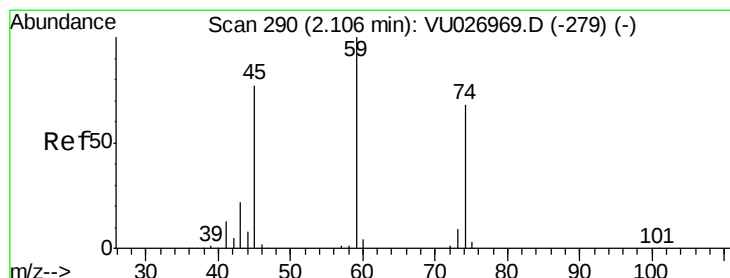
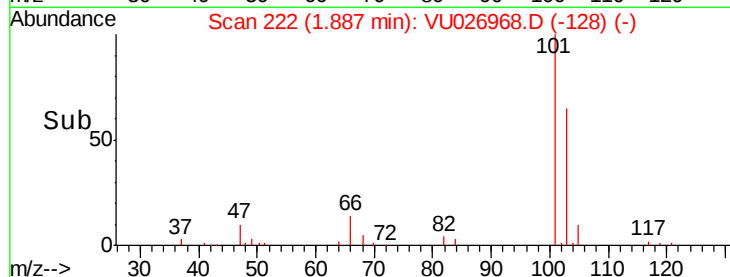
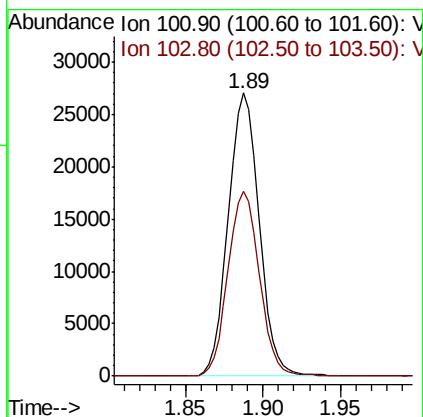
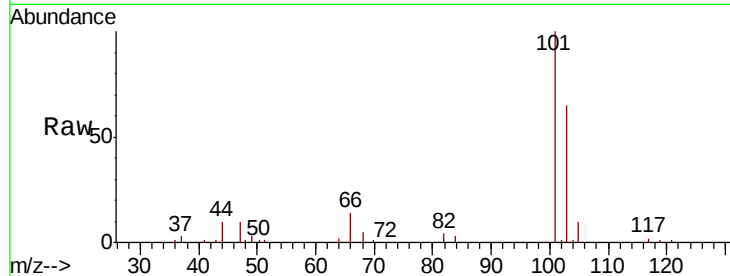
Trichlorofluoromethane
Concen: 22.222 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 37440
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.2

Manual Integrations
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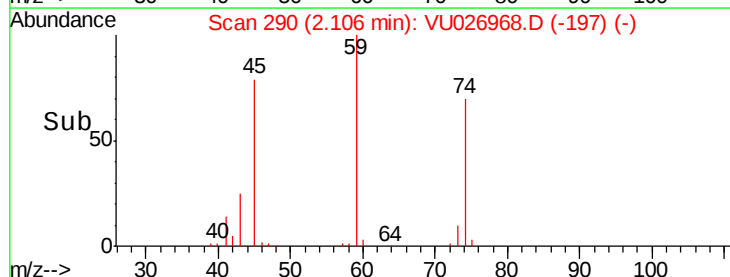
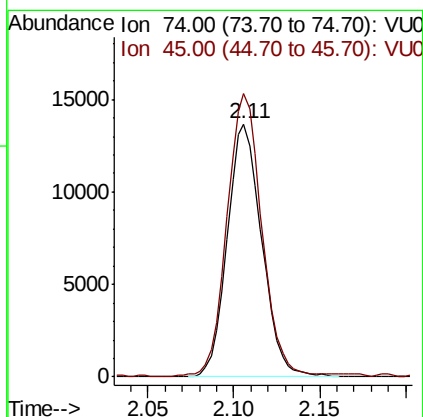
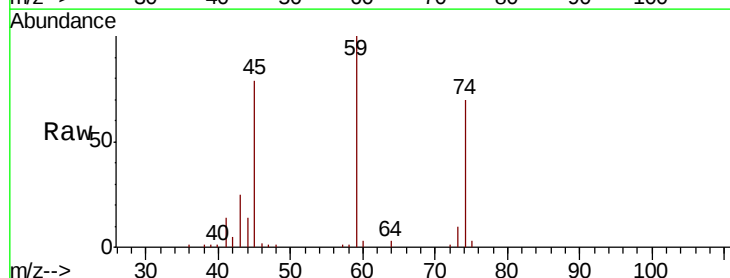
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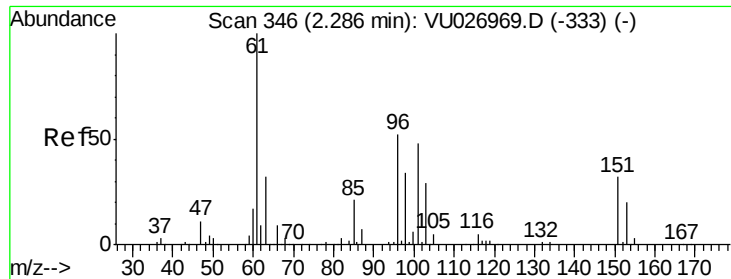


#8

Diethyl Ether
Concen: 25.199 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion: 74 Resp: 19040
Ion Ratio Lower Upper
74 100
45 113.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.383 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

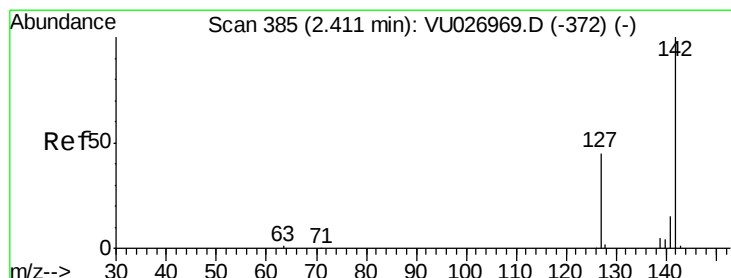
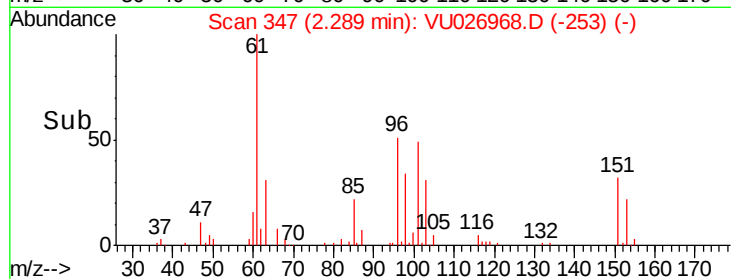
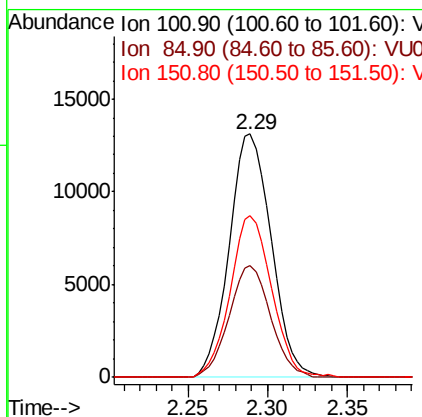
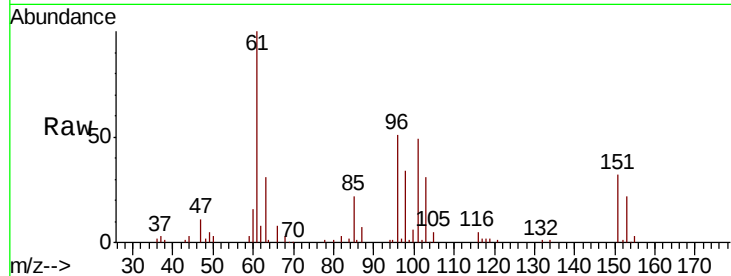
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	23498
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.2	54.2
151	65.5	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 32.107 ug/l

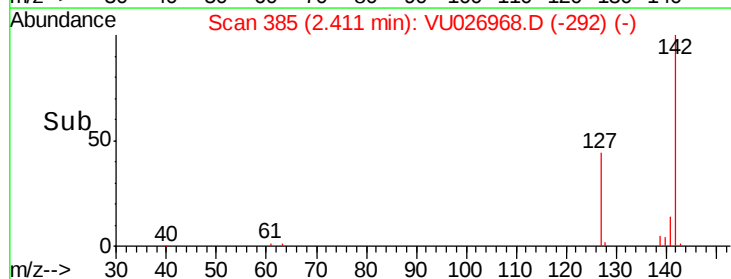
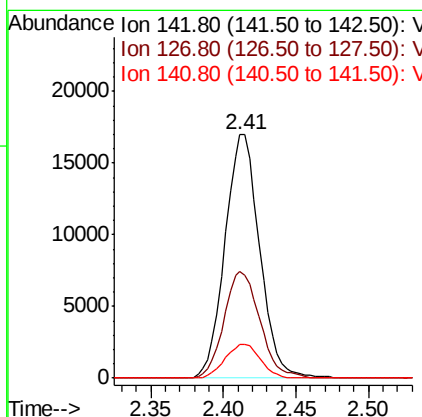
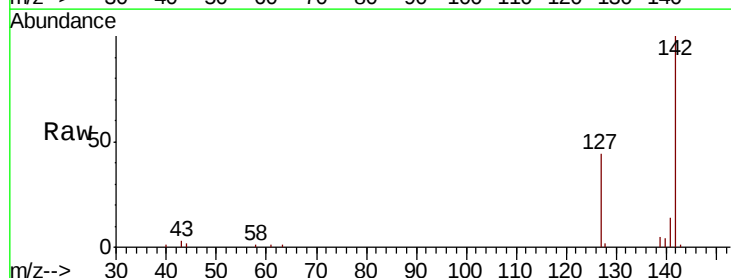
RT: 2.41 min Scan# 385

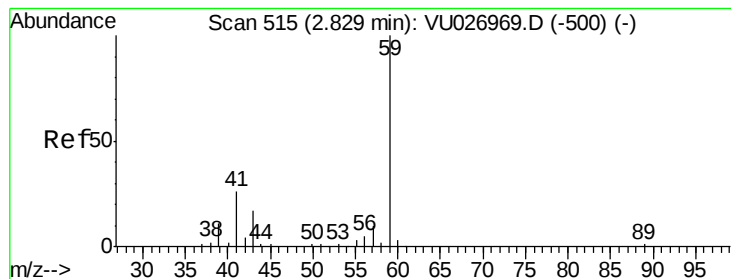
Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Tgt Ion:	142	Resp:	28162
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.7	55.1
141	14.0	11.8	17.6





#11

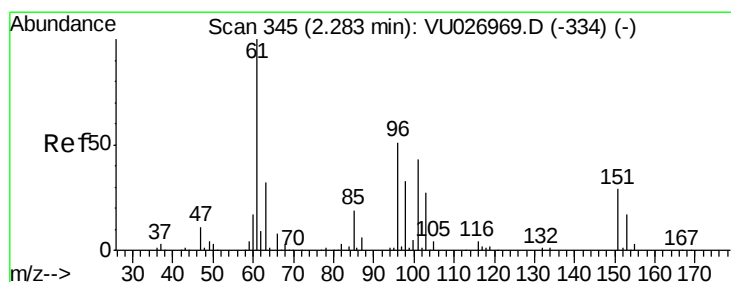
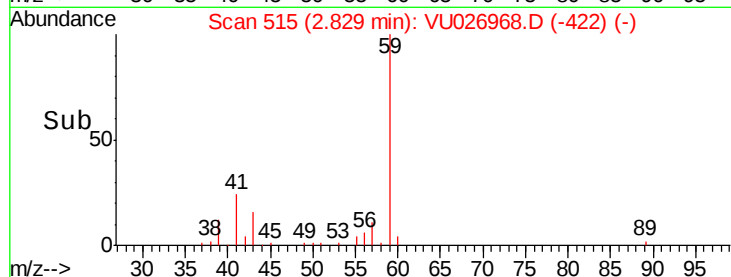
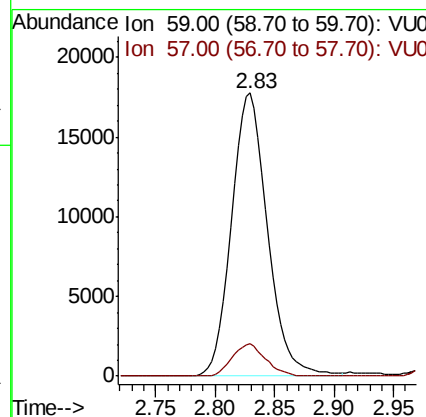
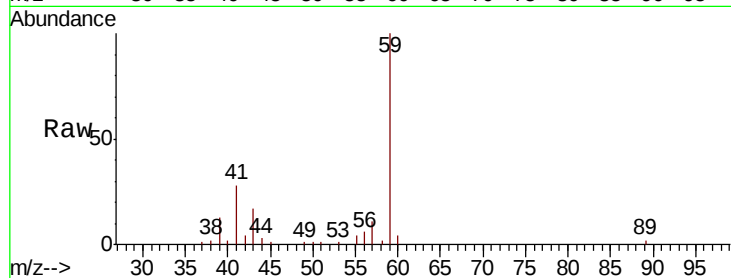
Tert butyl alcohol
Concen: 118.742 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	37250		
57	10.5		8.5	12.7

Manual Integrations
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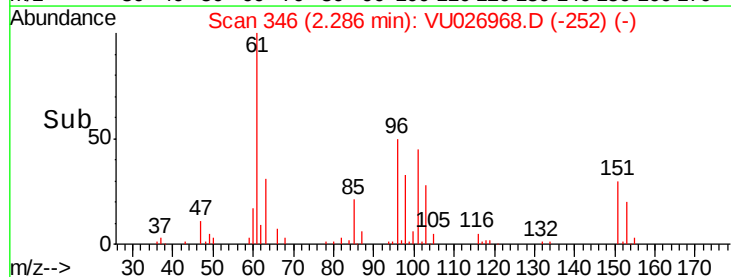
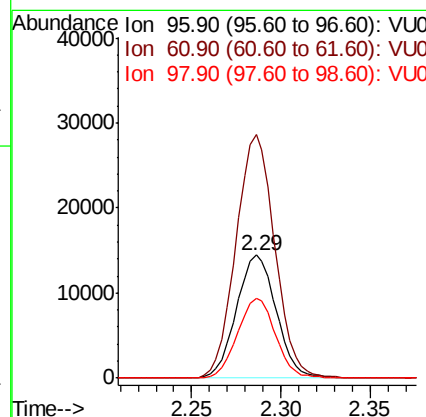
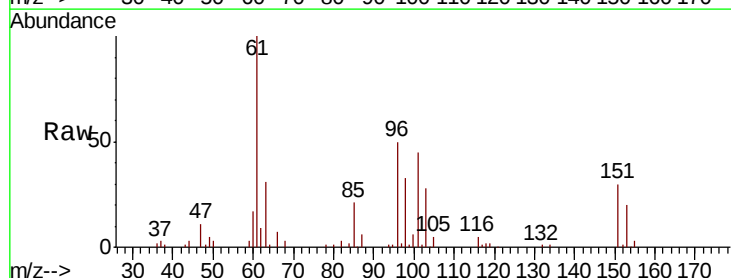
MMDadoda
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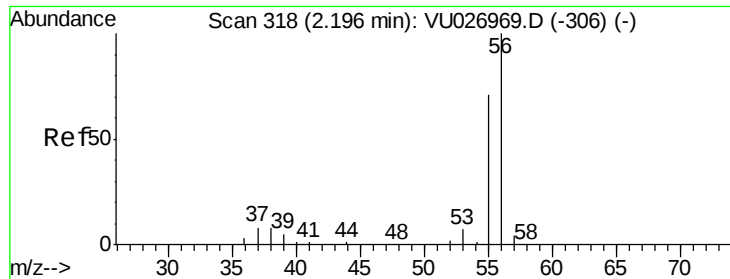


#12

1,1-Dichloroethene
Concen: 23.529 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	22416		
61	198.4		156.1	234.1
98	65.5		51.4	77.0





#13

Acrolein

Concen: 104.420 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 21312

Ion Ratio Lower Upper

56 100

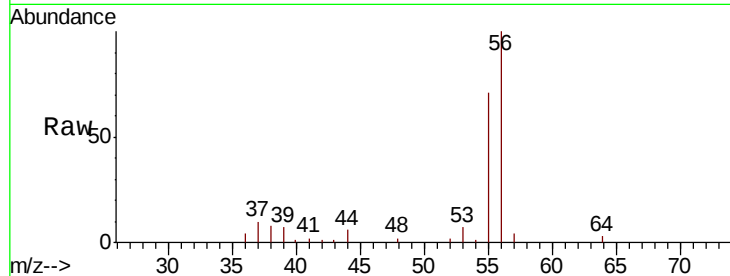
55 70.8 57.1 85.7

Manual Integrations

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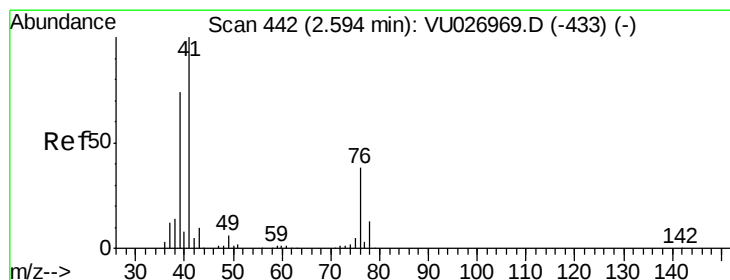
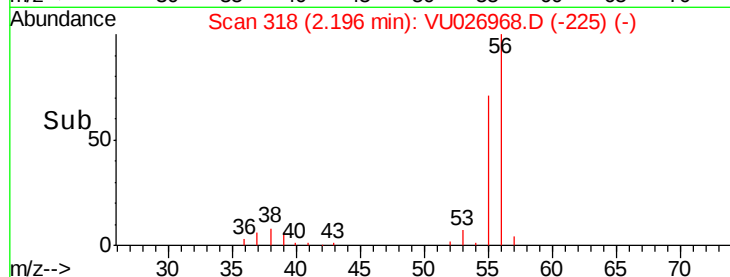
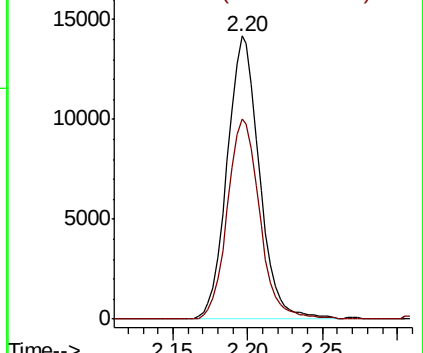
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 25.689 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

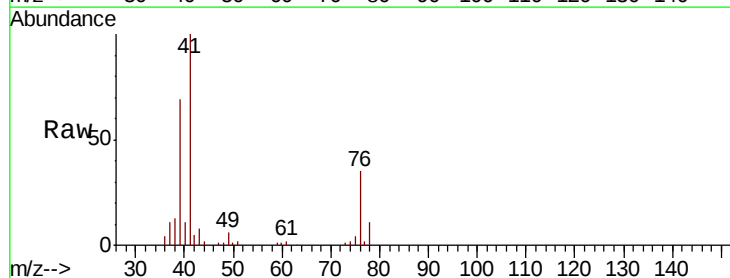
Tgt Ion: 41 Resp: 45612

Ion Ratio Lower Upper

41 100

39 71.1 55.7 83.5

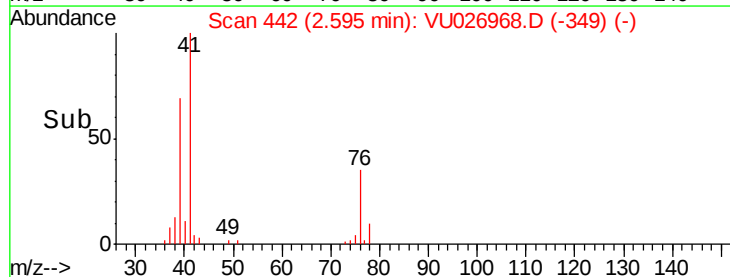
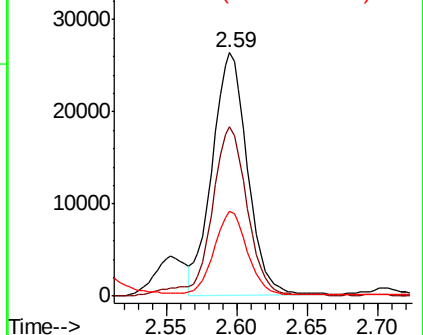
76 32.3 26.5 39.7

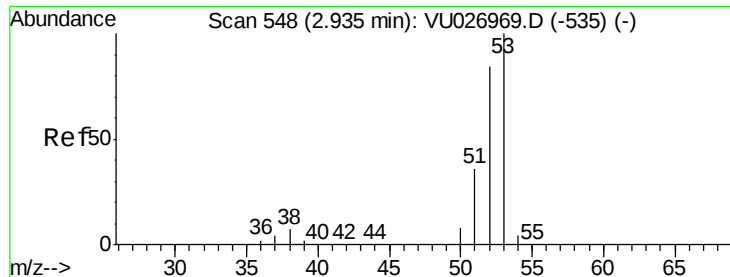


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 138.616 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

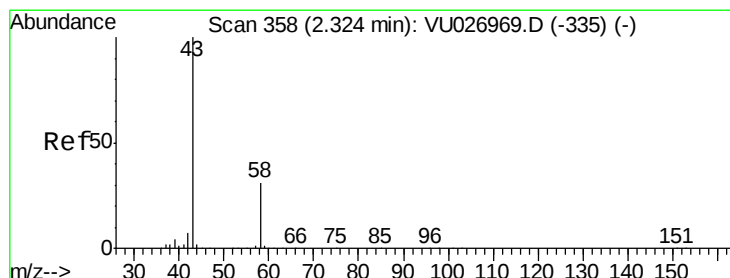
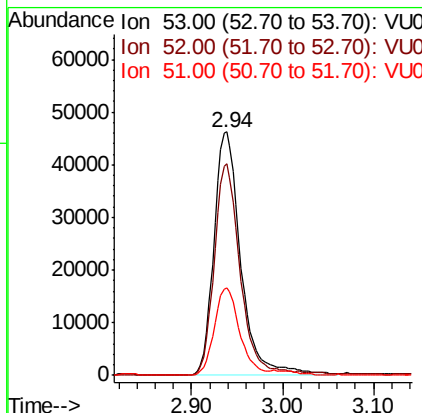
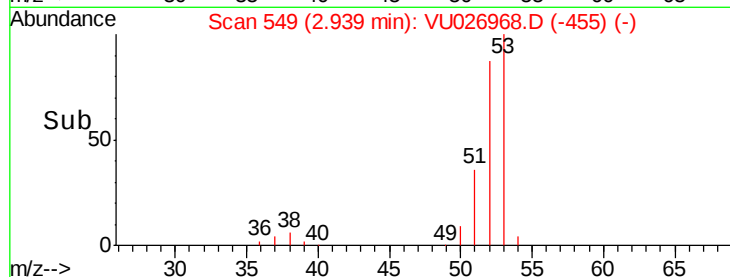
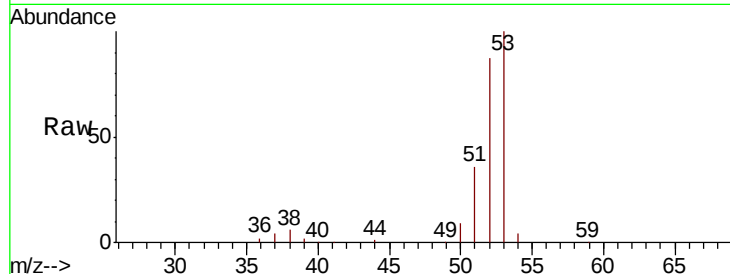
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	95191
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.7	98.5
51	33.8	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 131.542 ug/l

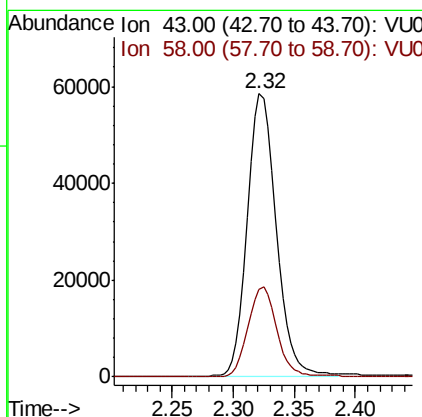
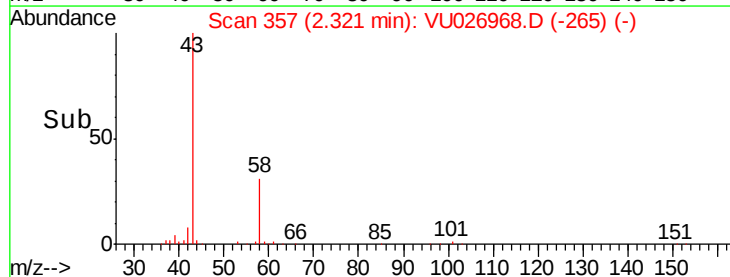
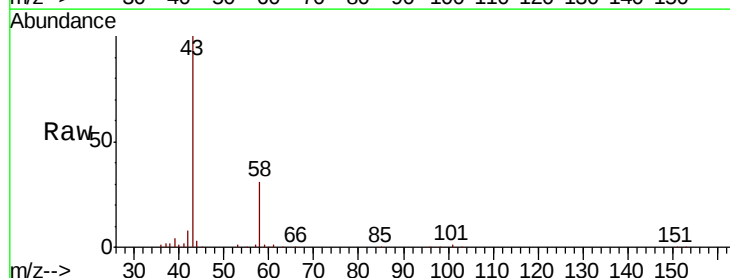
RT: 2.32 min Scan# 357

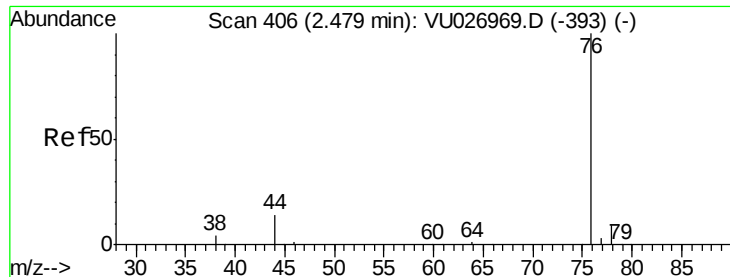
Delta R.T. -0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Tgt Ion:	43	Resp:	96333
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8





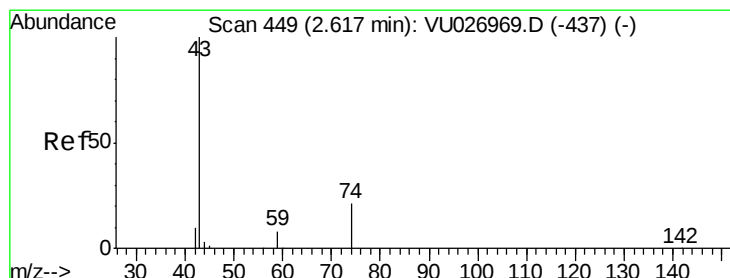
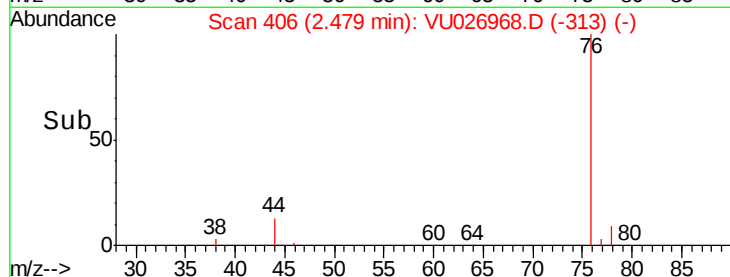
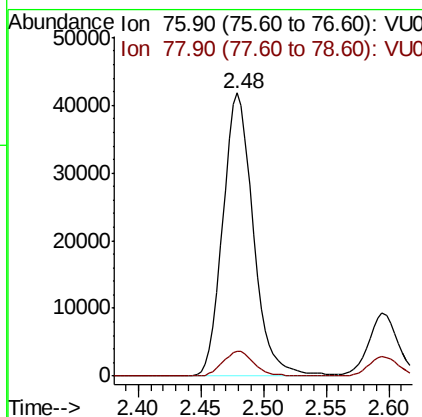
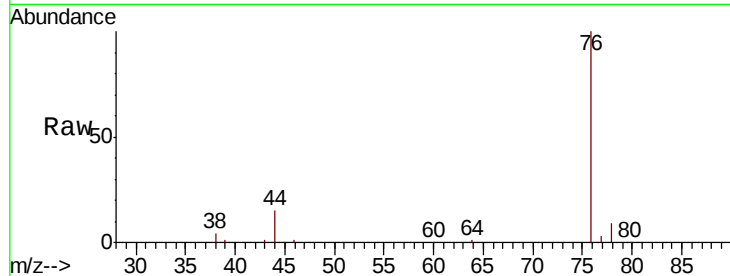
#17
Carbon Disulfide
Concen: 23.117 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 70536
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

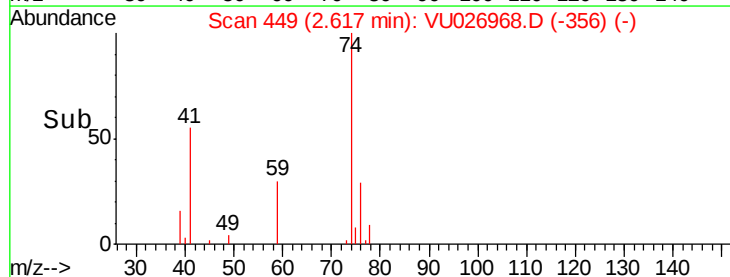
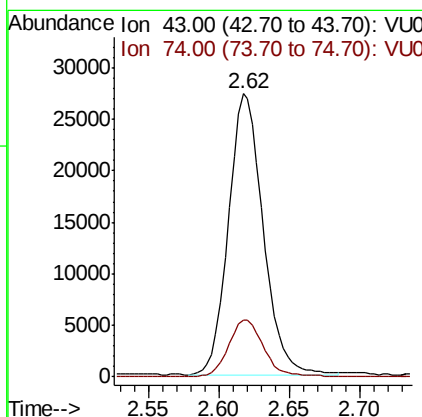
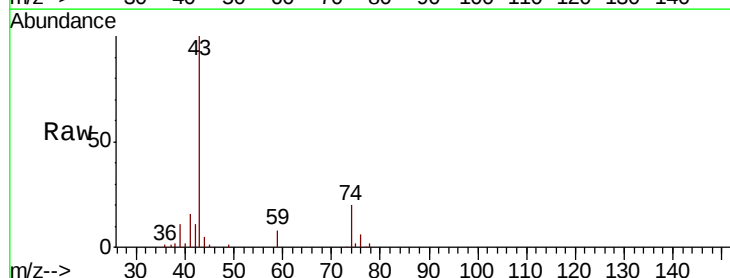
Manual Integrations
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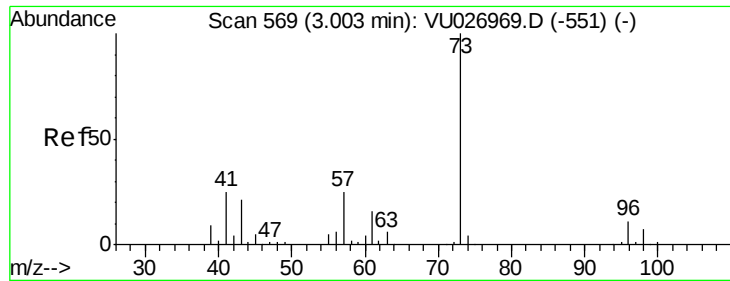
MMDadoda
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#18
Methyl Acetate
Concen: 28.889 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion: 43 Resp: 46960
Ion Ratio Lower Upper
43 100
74 20.6 16.6 25.0





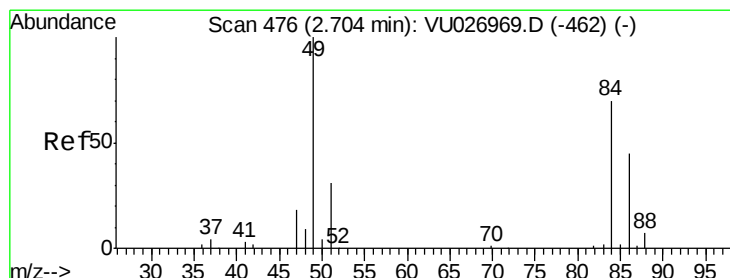
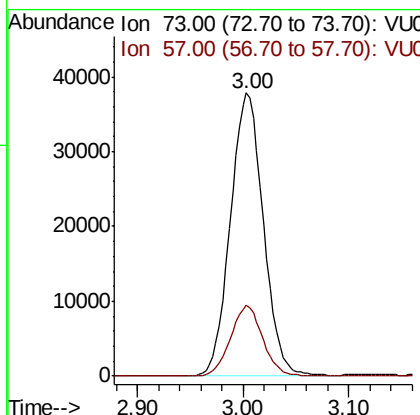
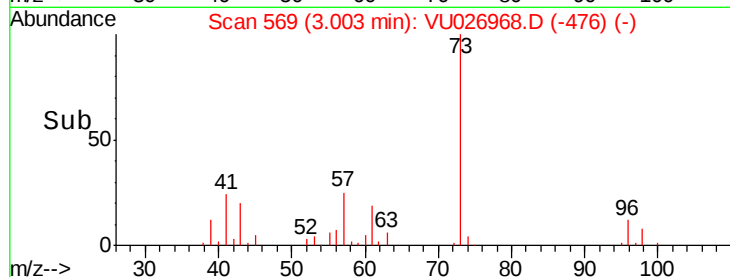
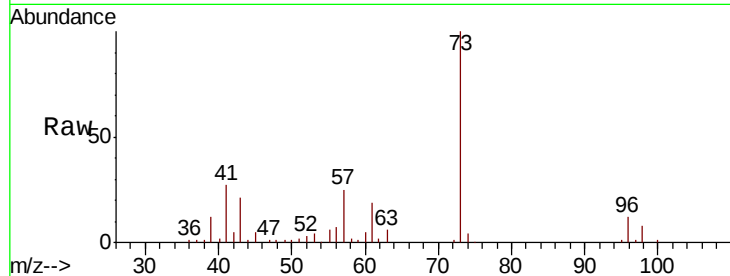
#19
Methvl tert-butvl Ether
Concen: 24.527 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.8	29.6

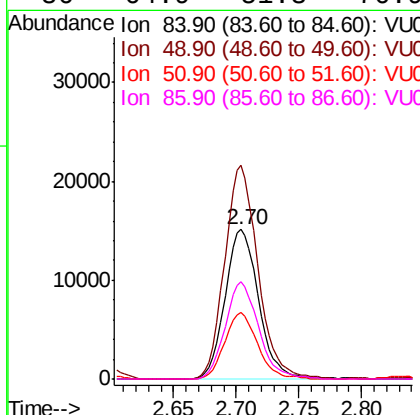
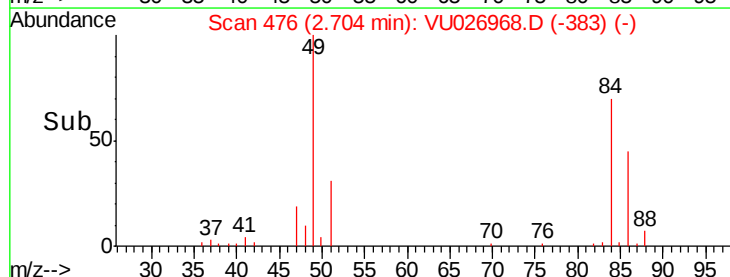
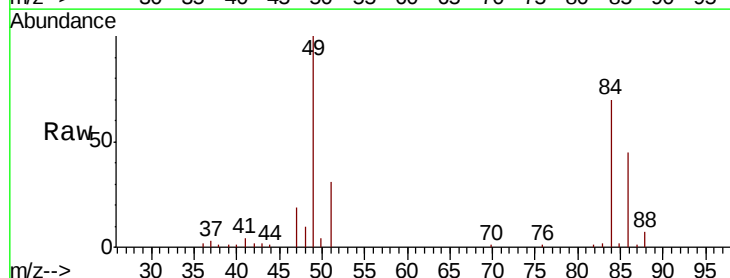
Manual Integrations
APPROVED

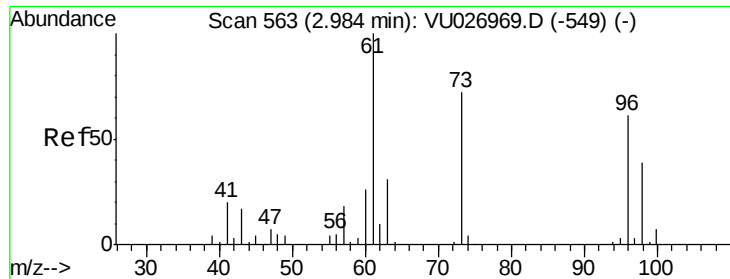
MMDadoda
9/24/2018 2:14:04 PM



#20
Methylene Chloride
Concen: 24.231 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.9	114.9	172.3
51	44.2	35.8	53.8
86	64.9	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 24.276 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

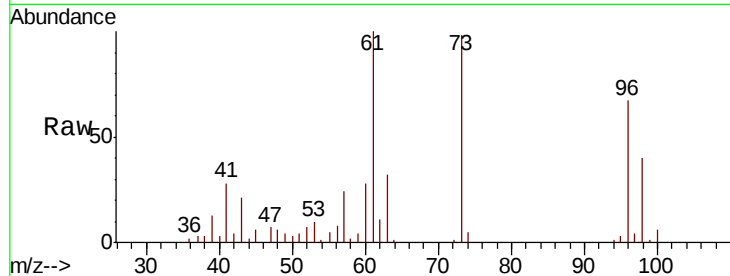
ClientSampled :

VSTDIC020

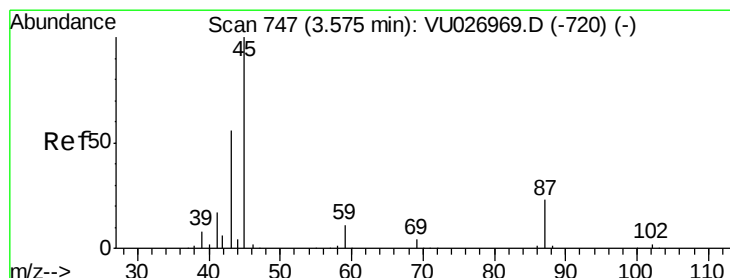
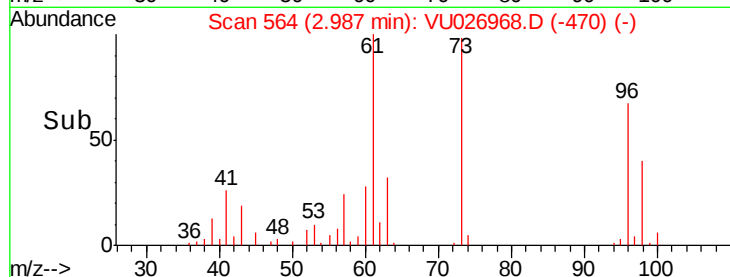
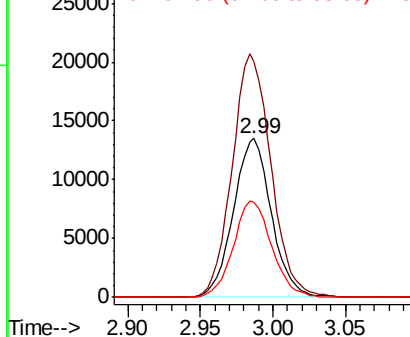
Tot Ion:	96	Resp:	24551
Ion	Ratio	Lower	Upper
96	100		
61	149.1	131.8	197.6
98	60.0	50.9	76.3

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 26.737 ug/l

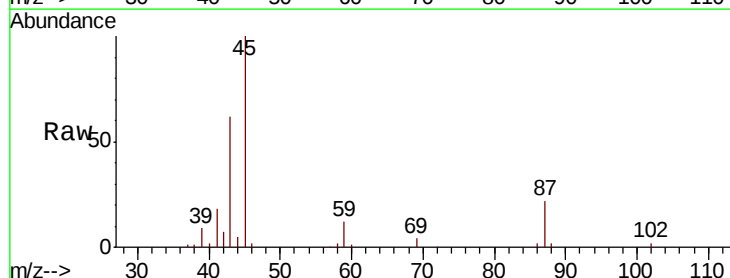
RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

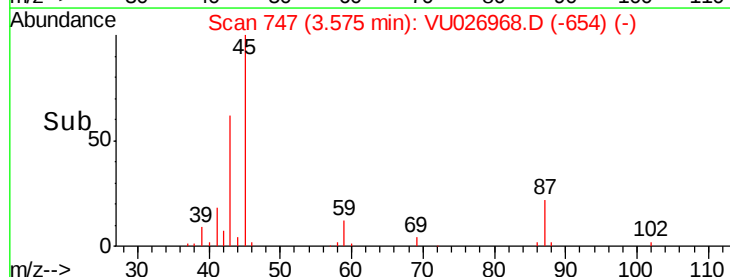
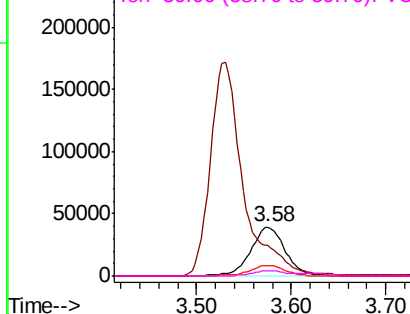
Lab File: VU026968.D

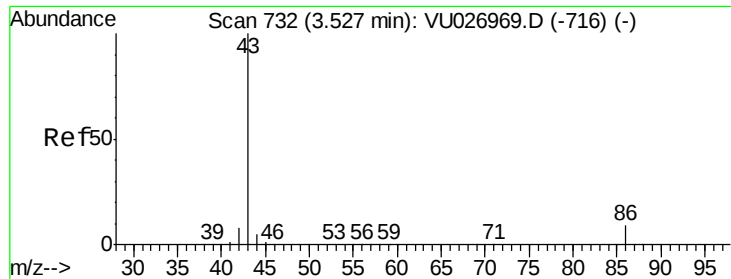
Acq: 21 Sep 2018 15:15

Tgt Ion:	45	Resp:	99412
Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.8	68.6
87	22.1	18.6	28.0
59	11.7	9.0	13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 133.115 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 420167

Ion Ratio Lower Upper

43 100

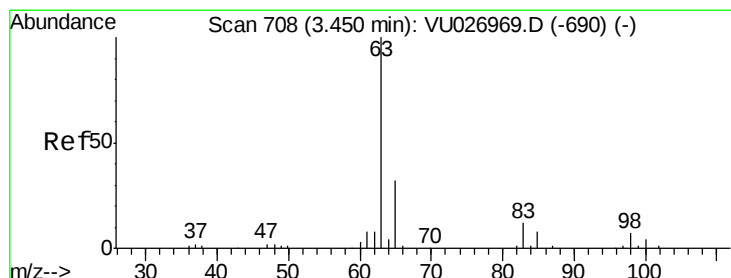
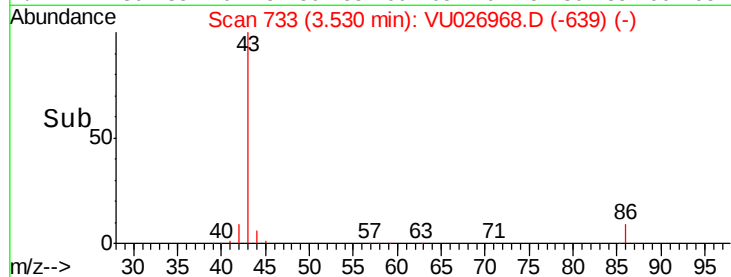
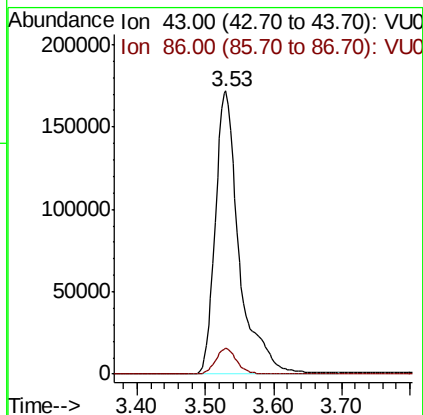
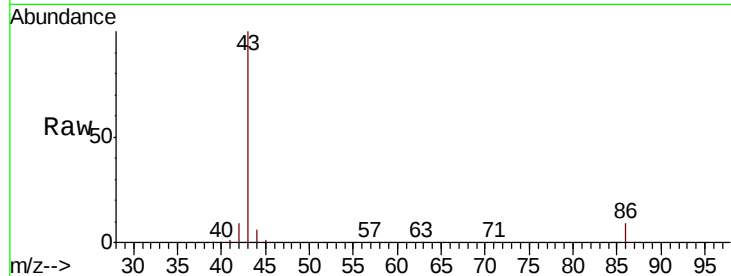
86 9.1 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 25.975 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

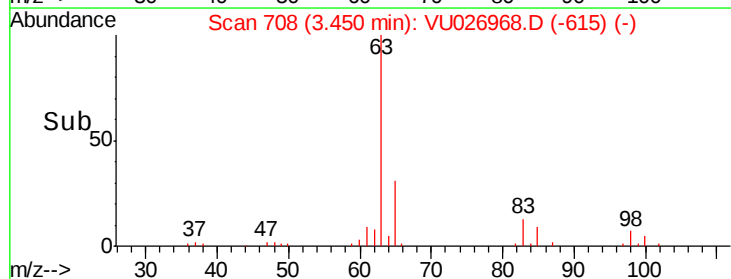
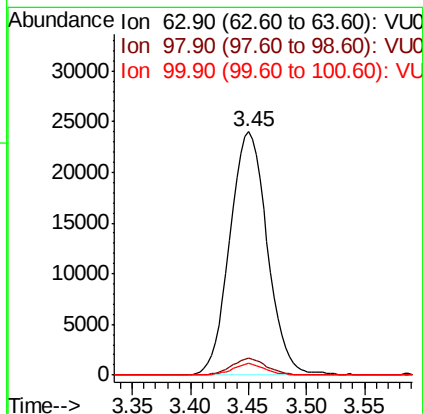
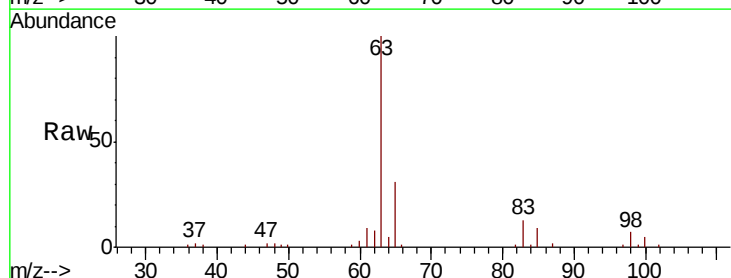
Tgt Ion: 63 Resp: 53786

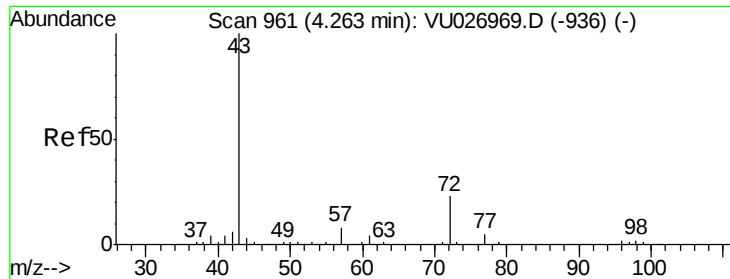
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.8 2.0 5.8





#25

2-Butanone

Concen: 136.560 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 136467

Ion Ratio Lower Upper

43 100

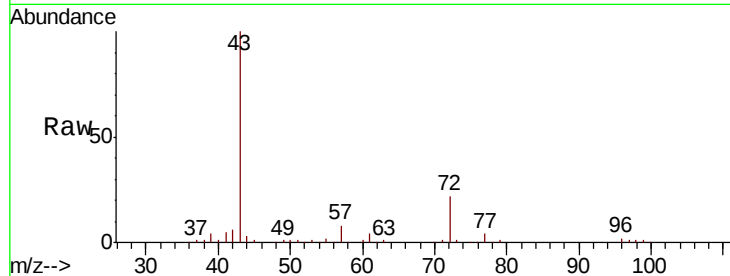
72 22.4 18.4 27.6

Manual Integrations

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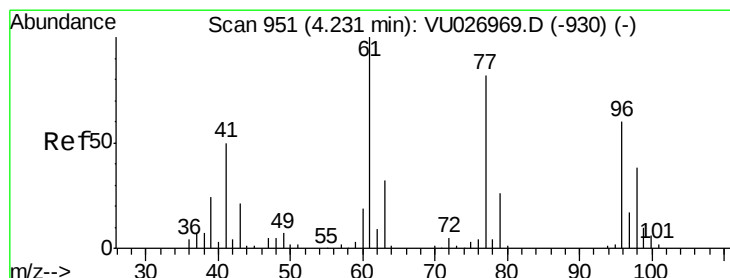
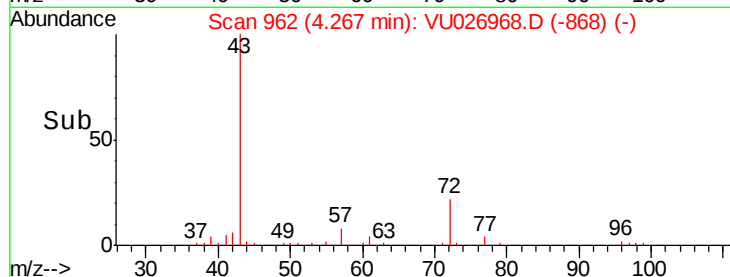
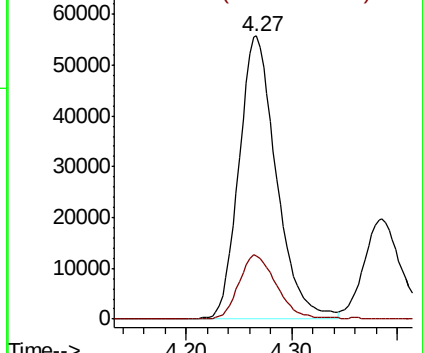
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 24.712 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026968.D

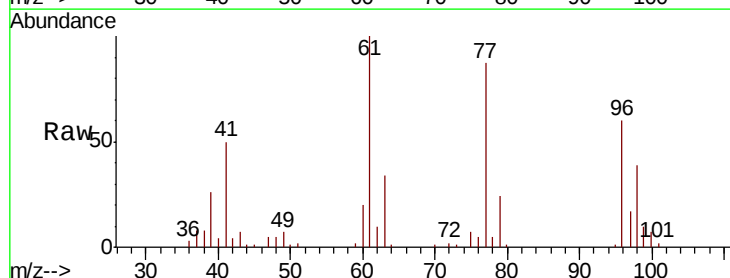
Acq: 21 Sep 2018 15:15

Tgt Ion: 77 Resp: 41562

Ion Ratio Lower Upper

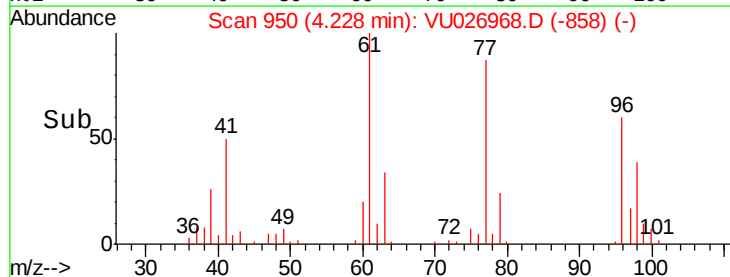
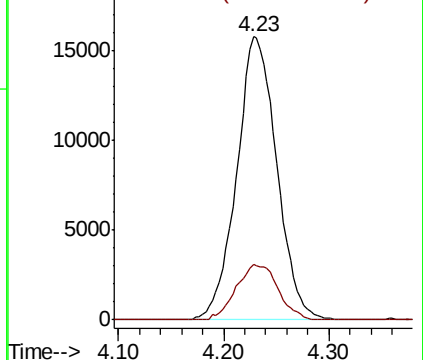
77 100

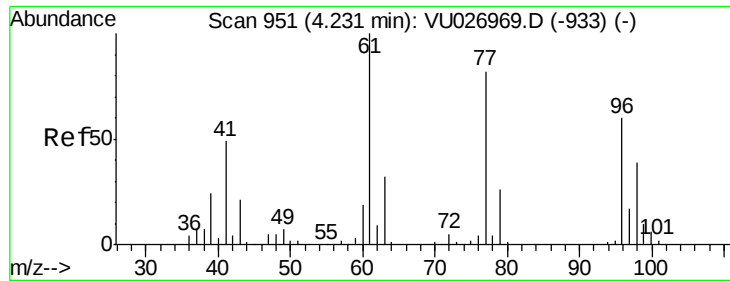
97 20.3 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

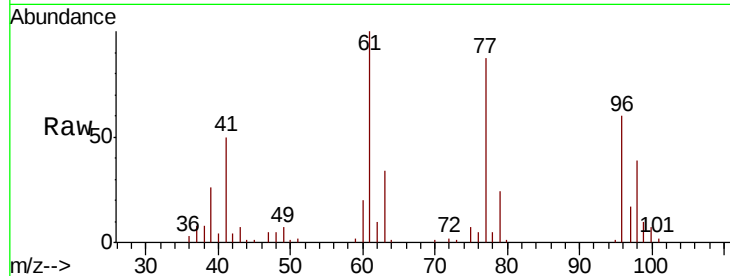
cis-1,2-Dichloroethene
 Concen: 23.079 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	26726		
61	169.6		0.0	337.2
98	64.0		0.0	127.6

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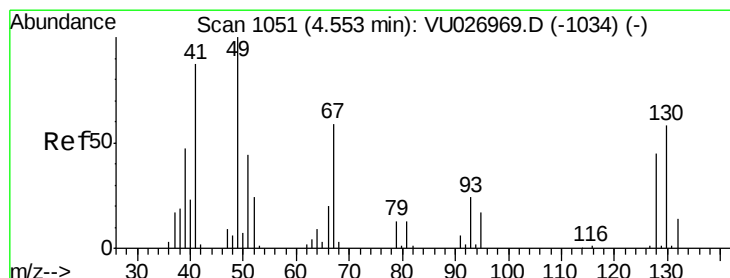
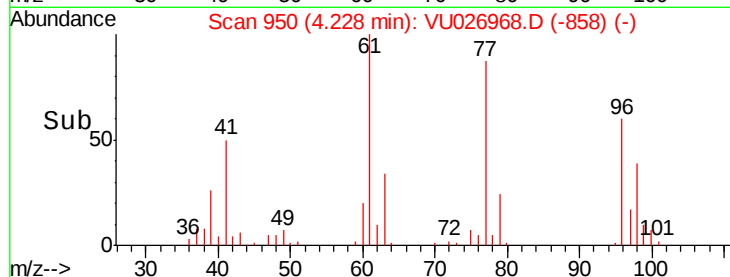
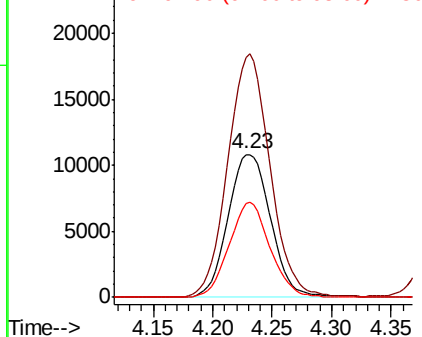


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

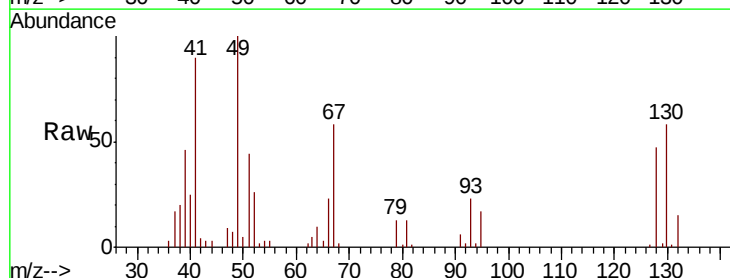
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
 Concen: 25.315 ug/l
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	25253		
129	1.1		0.0	3.0
130	57.9		47.8	71.8

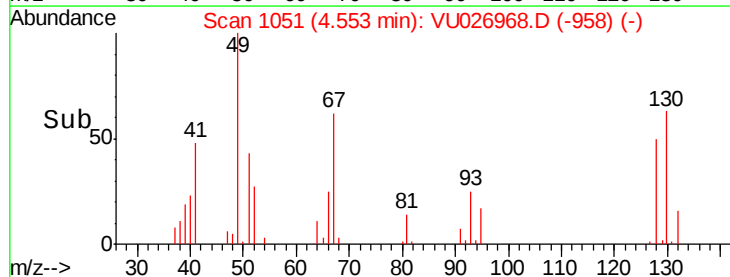
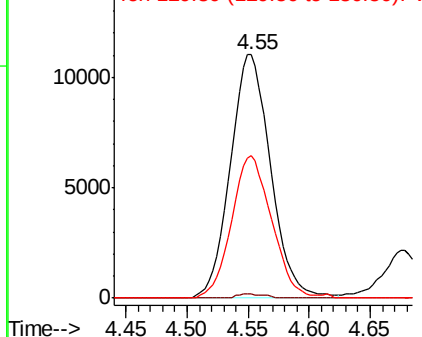


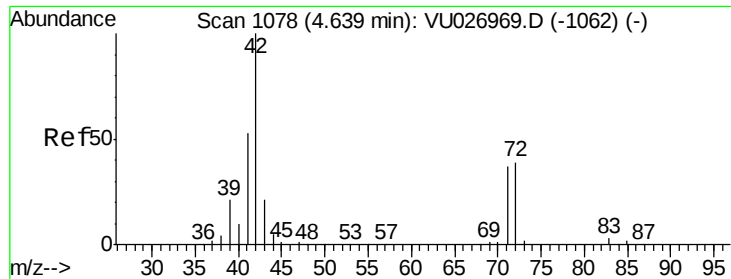
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





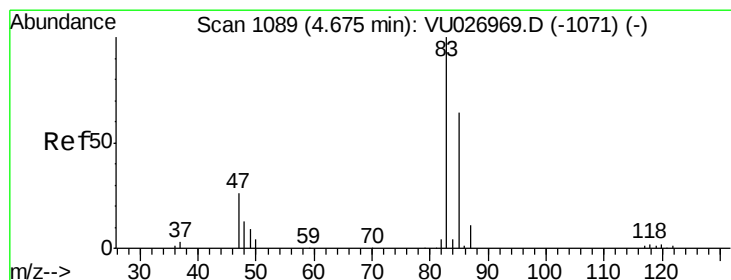
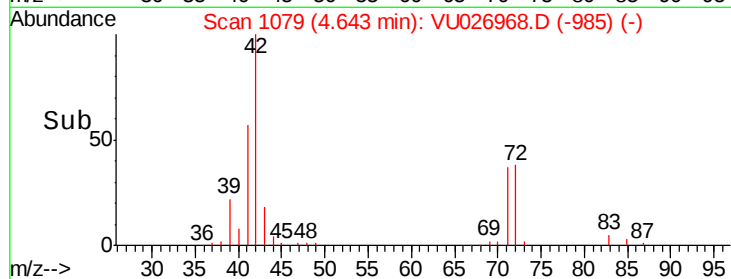
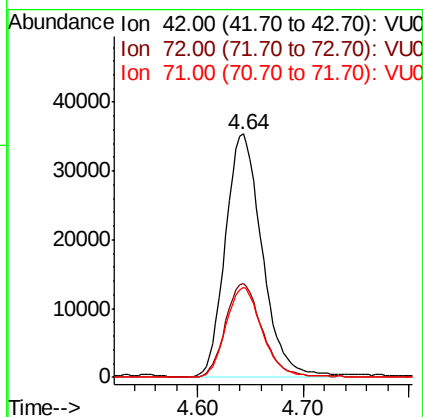
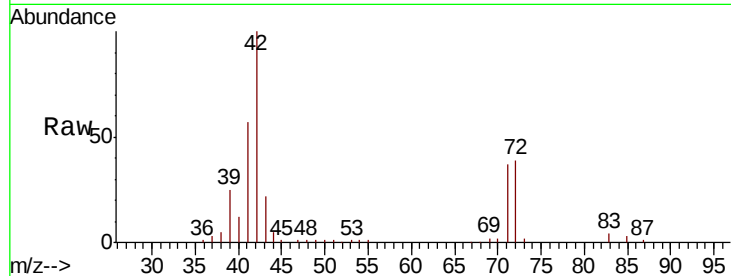
#29
Tetrahydrofuran
Concen: 139.629 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.7	47.5
71	36.9	29.6	44.4

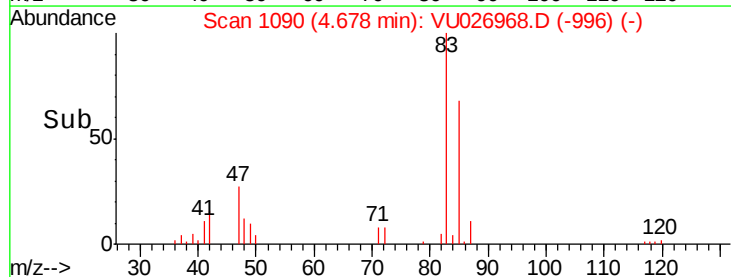
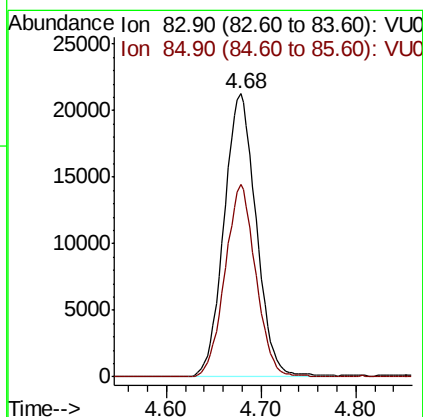
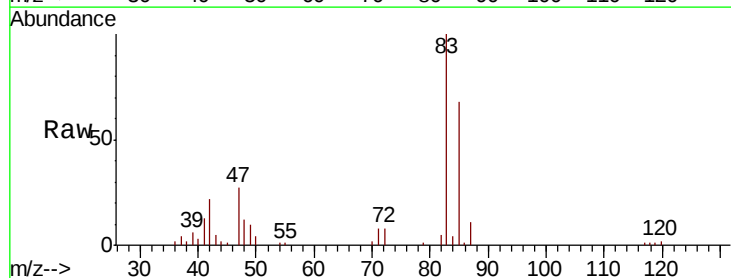
Manual Integrations
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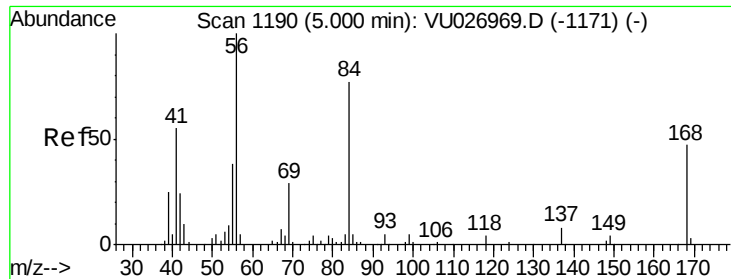
MMDadoda
9/24/2018 2:14:04 PM



#30
Chloroform
Concen: 24.949 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.5	77.3





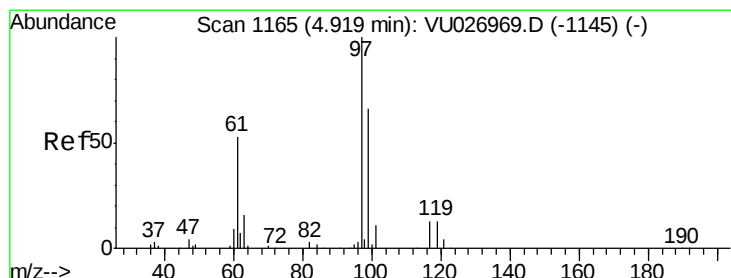
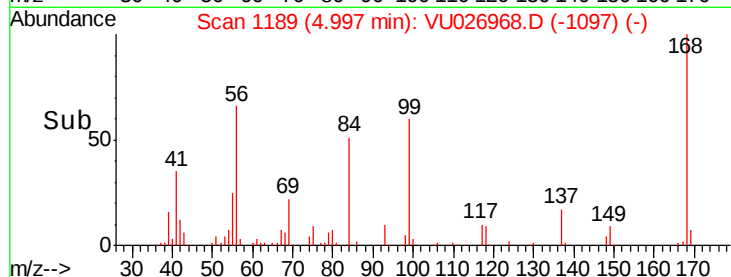
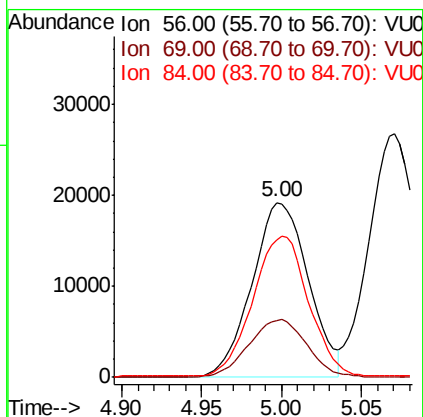
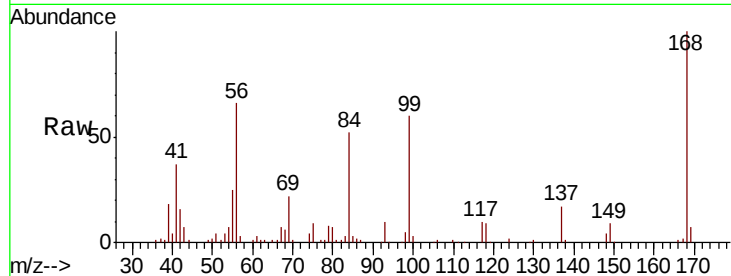
#31
Cyclohexane
Concen: 21.975 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	23.0	34.4
84	78.1	61.4	92.2

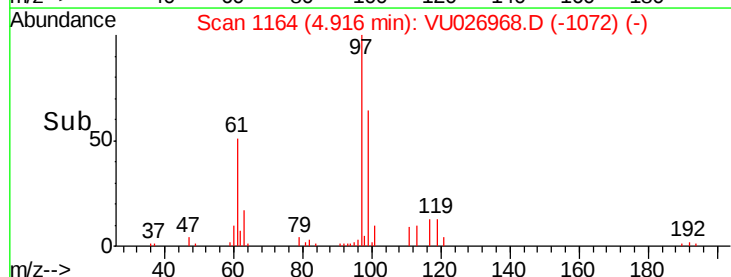
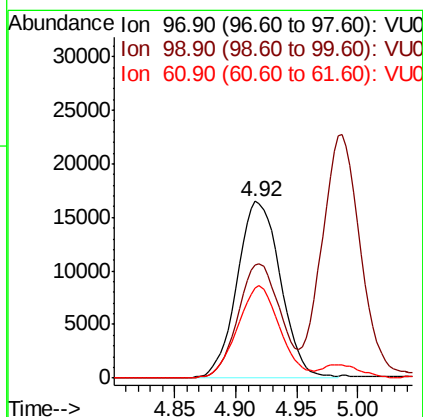
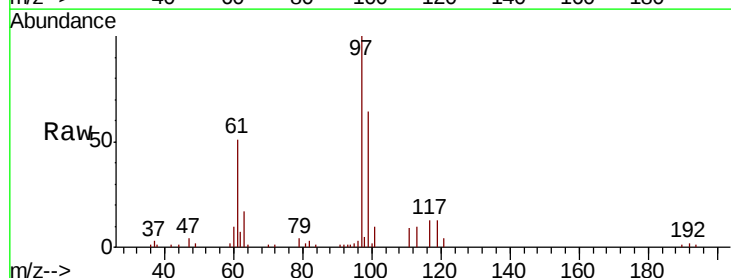
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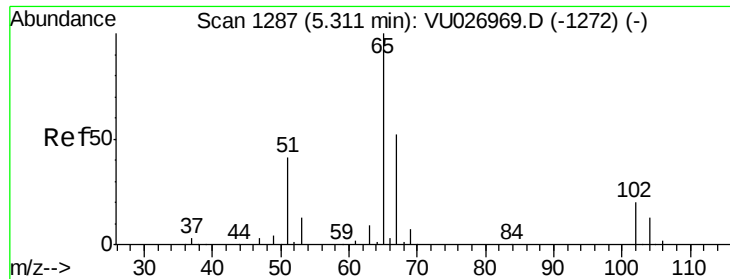
MMDadoda
9/24/2018 2:14:04 PM



#32
1,1,1-Trichloroethane
Concen: 24.615 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.6
61	51.0	41.1	61.7





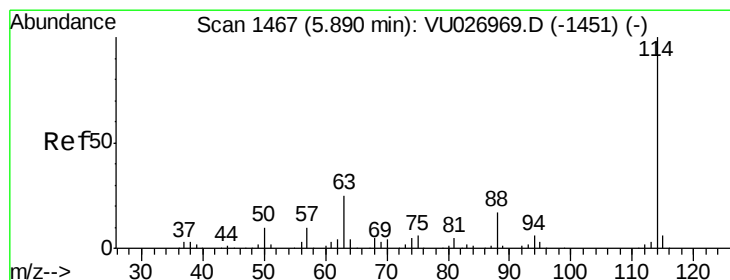
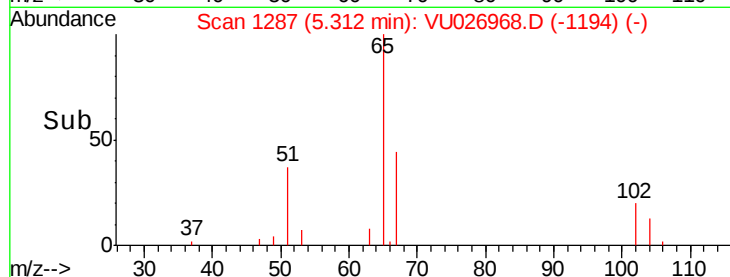
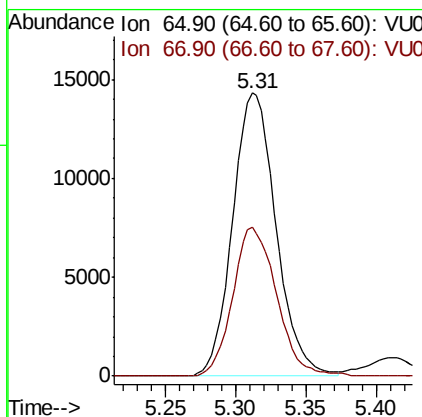
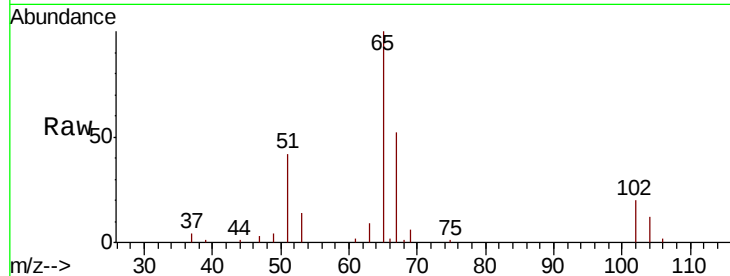
#33
 1,2-Dichloroethane-d4
 Concen: 23.695 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	30868		
67	53.0		0.0	105.6

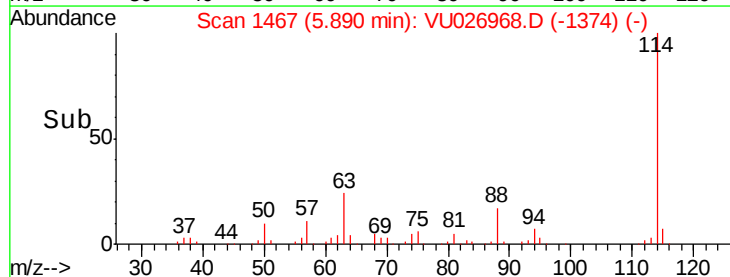
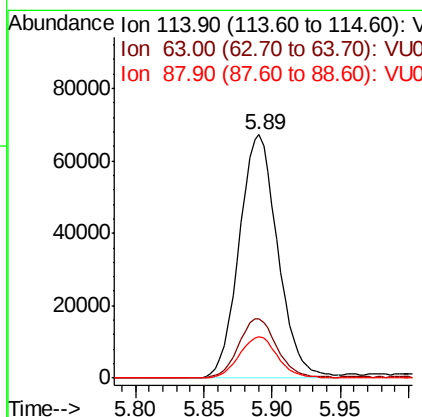
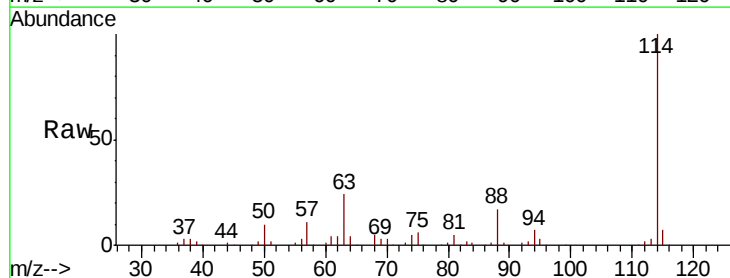
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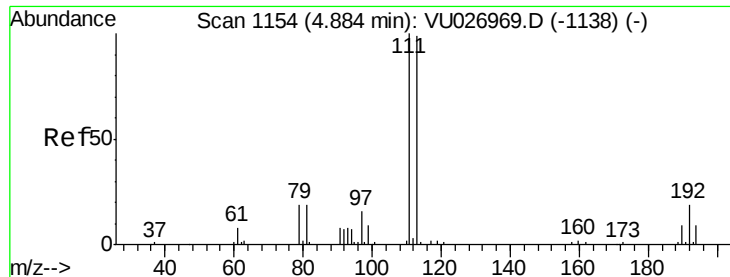
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	132281		
63	24.4		0.0	49.2
88	17.1		0.0	33.8





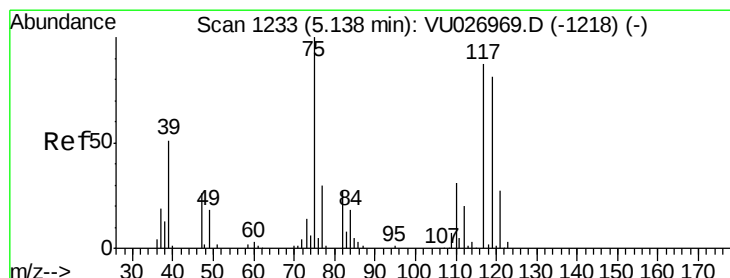
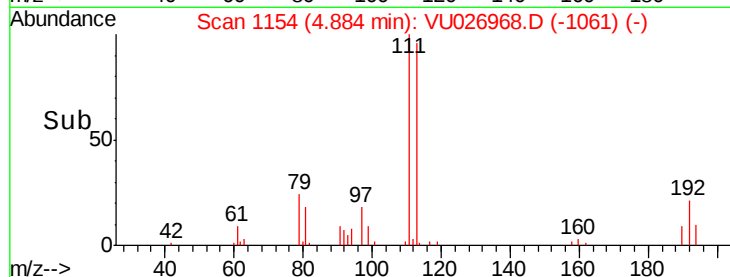
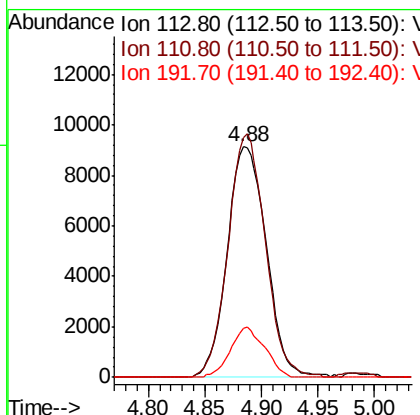
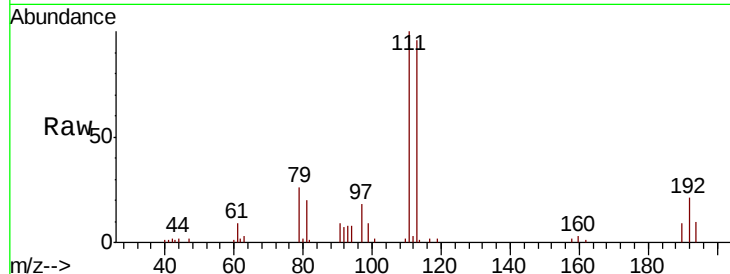
#35
 Dibromofluoromethane
 Concen: 20.009 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	21975		
111	100.6	82.2	123.4	
192	19.0	15.2	22.8	

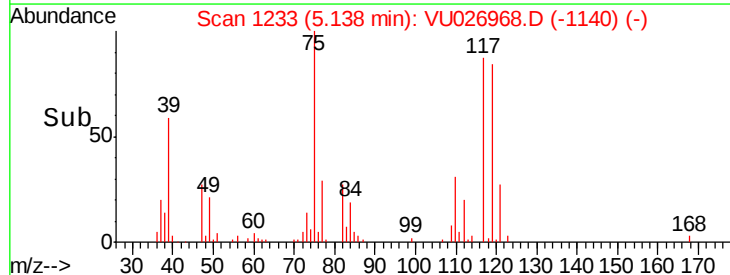
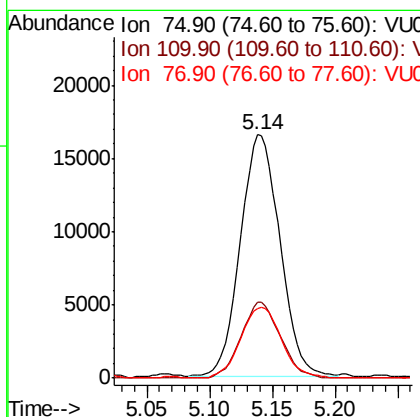
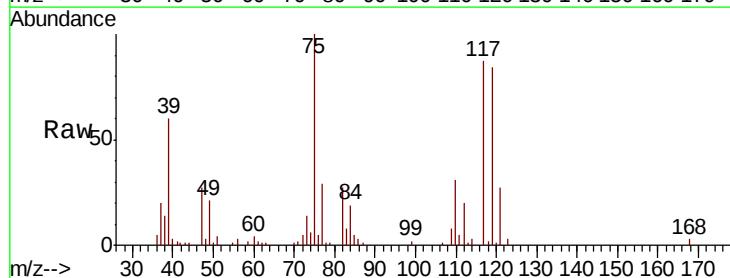
Manual Integrations
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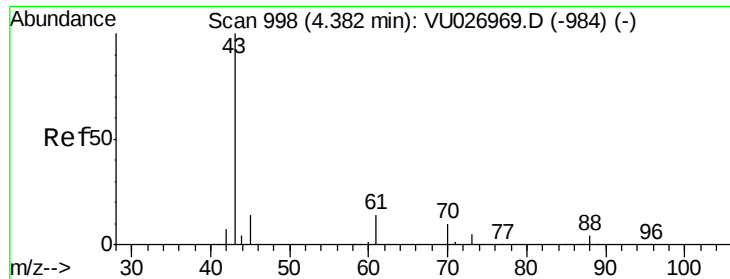
MMDadoda
 9/24/2018 2:14:04 PM



#36
 1,1-Dichloropropene
 Concen: 23.700 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36201		
110	31.0	16.1	48.2	
77	30.3	24.6	36.8	





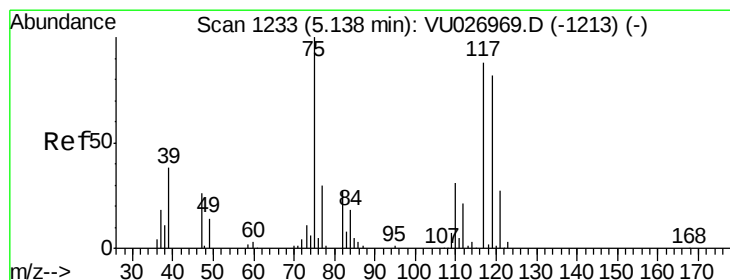
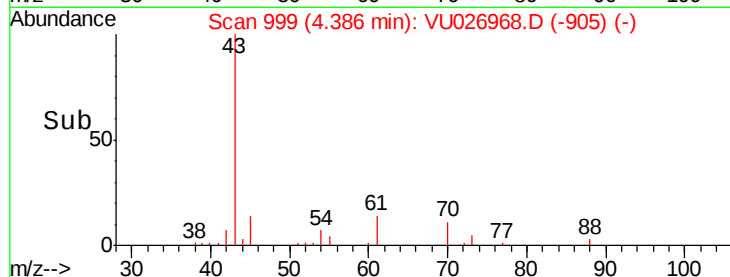
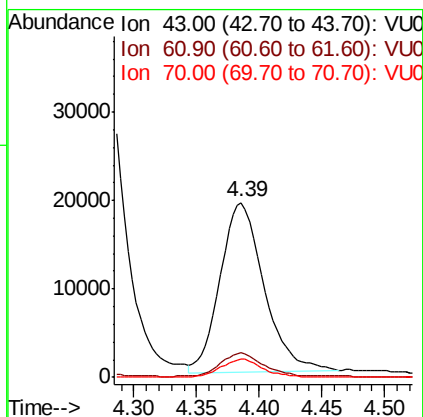
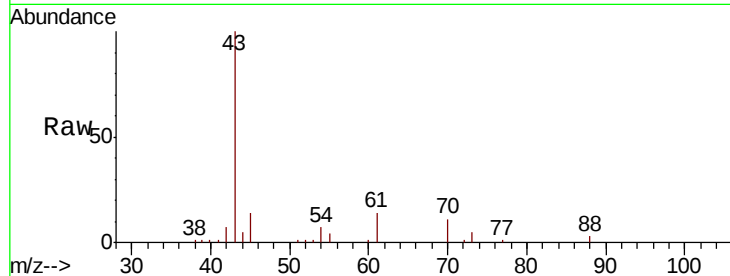
#37
Ethyl Acetate
Concen: 24.732 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.5	15.7
70	10.2	7.4	11.0

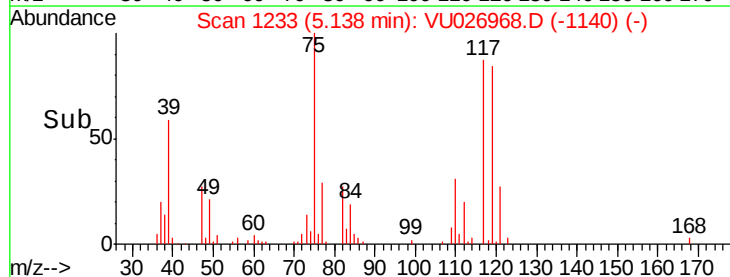
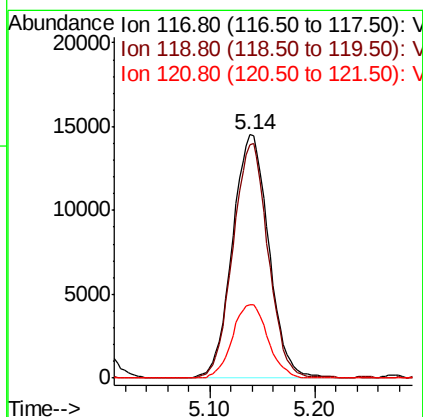
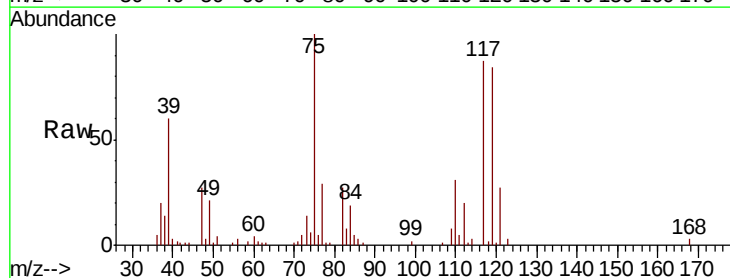
Manual Integrations
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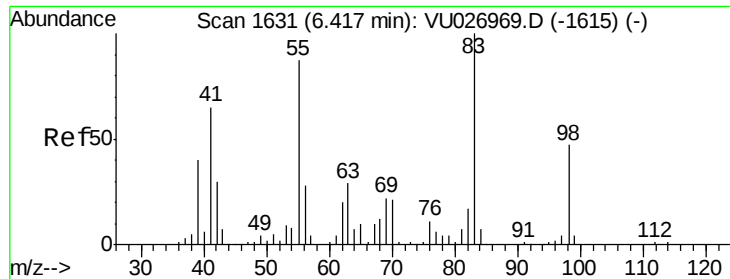
MMDadoda
9/24/2018 2:14:04 PM



#38
Carbon Tetrachloride
Concen: 21.850 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	74.4	111.6
121	30.4	24.2	36.4





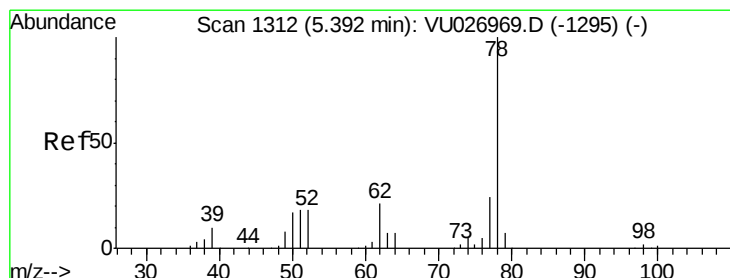
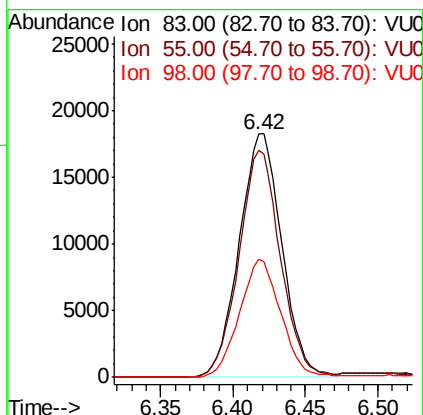
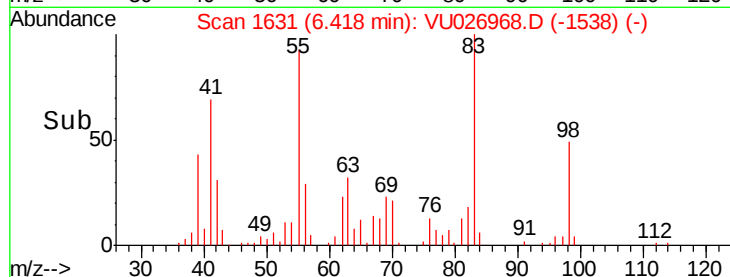
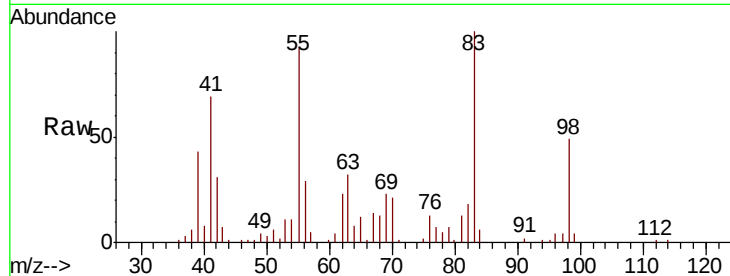
#39
Methylvlcyclohexane
Concen: 20.736 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp:	37307
Ion	Ratio	Lower	Upper
83	100		
55	93.3	69.9	104.9
98	48.6	37.5	56.3

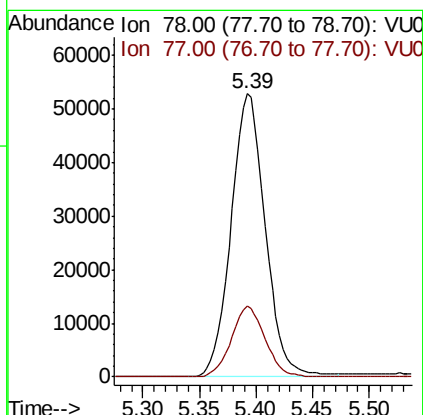
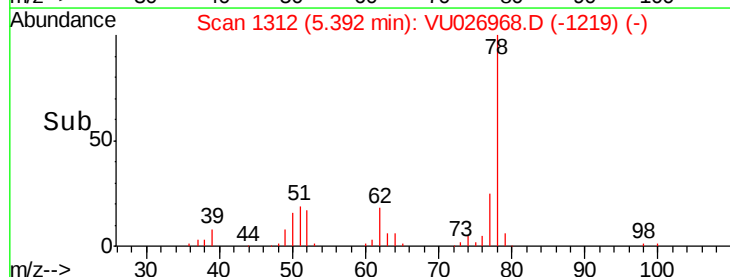
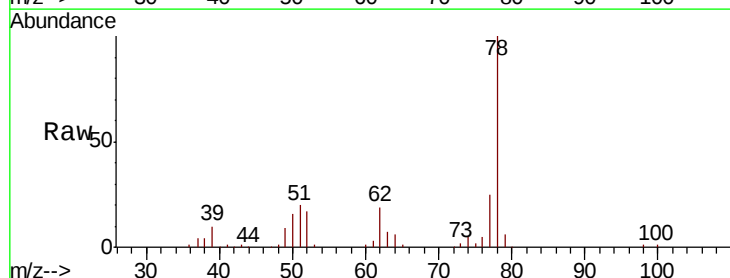
Manual Integrations
APPROVED

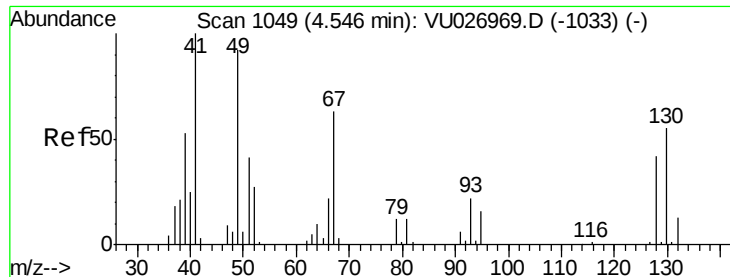
MMDadoda
9/24/2018 2:14:04 PM



#40
Benzene
Concen: 23.569 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	78.00	Resp:	111353
Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.4	29.0





#41

Methacrylonitrile

Concen: 26.878 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 26423

Ion Ratio Lower Upper

41 100

39 54.0 42.9 64.3

67 64.4 52.4 78.6

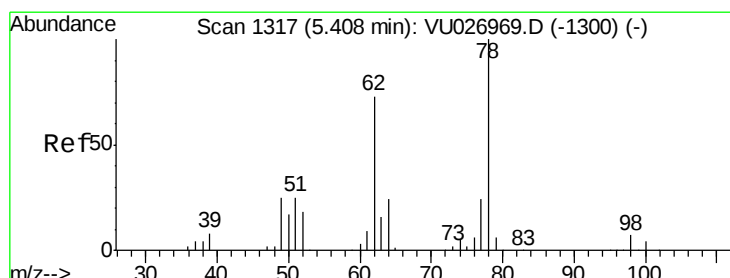
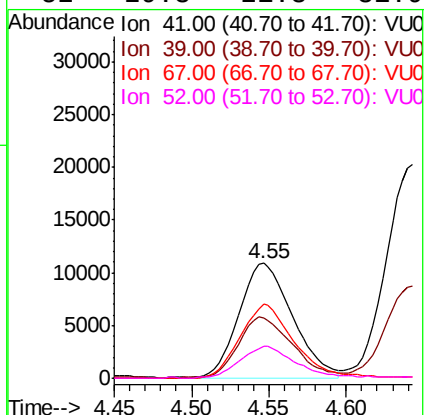
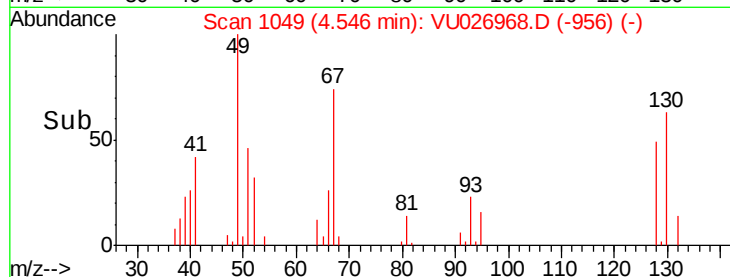
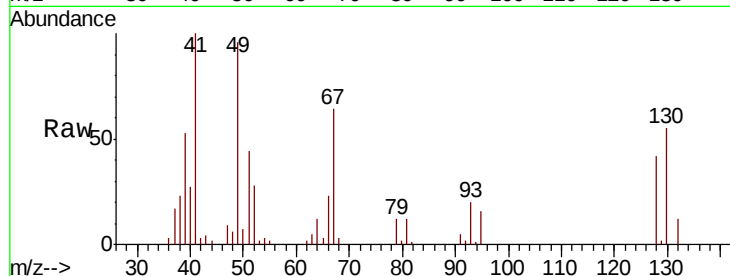
52 29.3 21.3 31.9

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#42

1,2-Dichloroethane

Concen: 24.953 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU026968.D

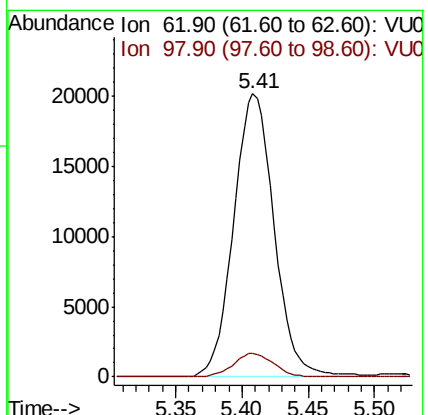
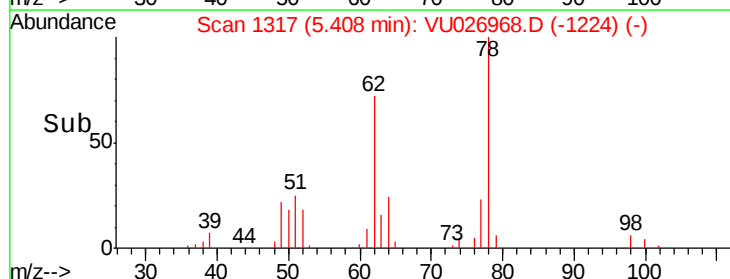
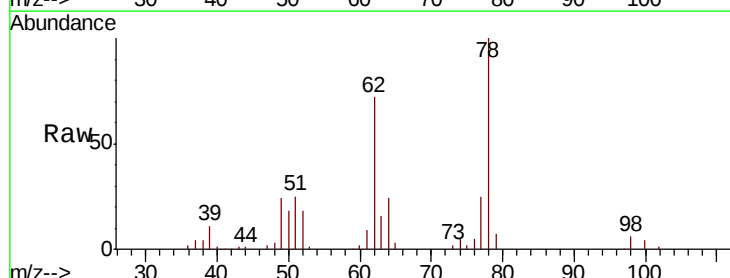
Acq: 21 Sep 2018 15:15

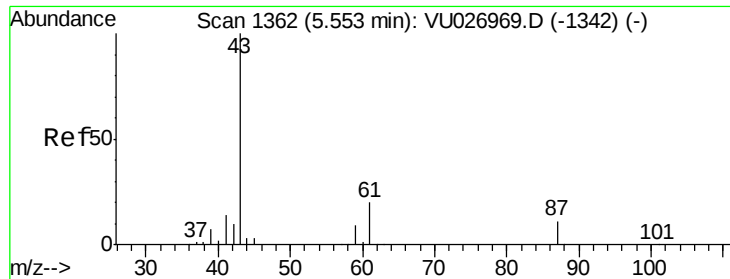
Tgt Ion: 62 Resp: 42736

Ion Ratio Lower Upper

62 100

98 8.3 0.0 17.0





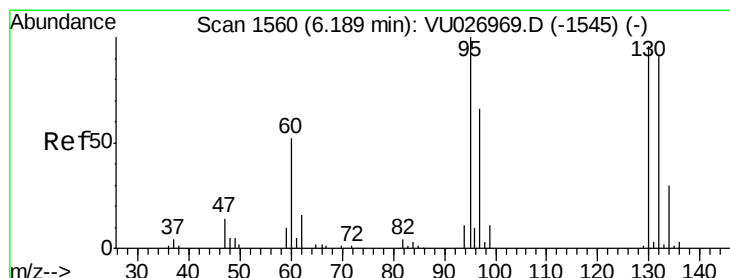
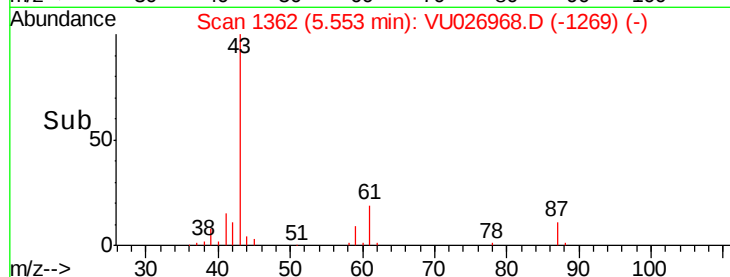
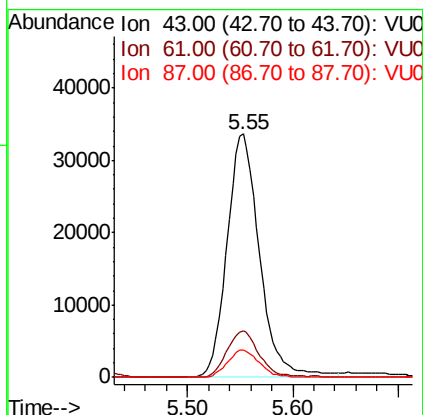
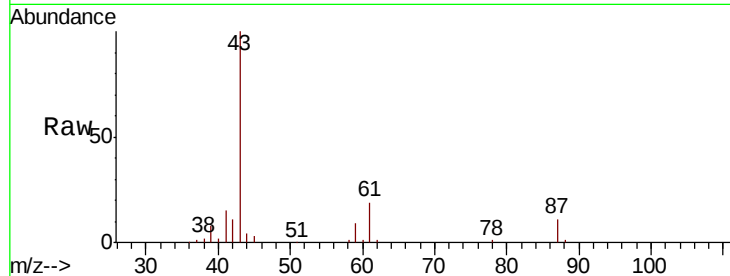
#43
Isopropyl Acetate
Concen: 25.293 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.7	23.5
87	10.9	9.0	13.4

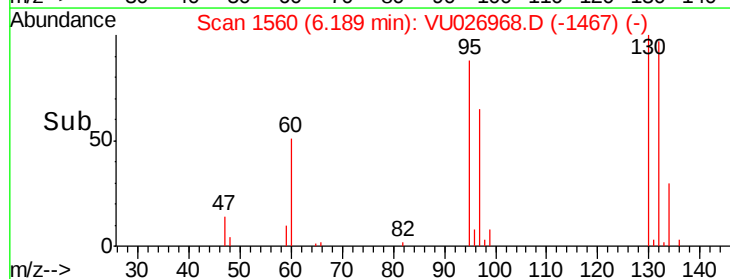
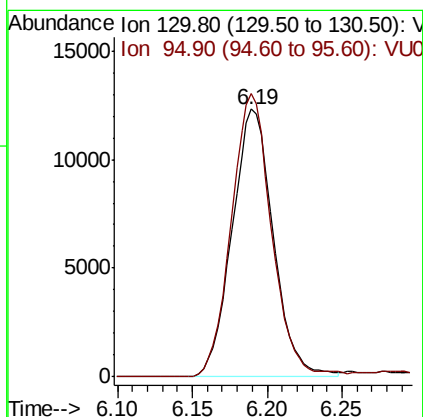
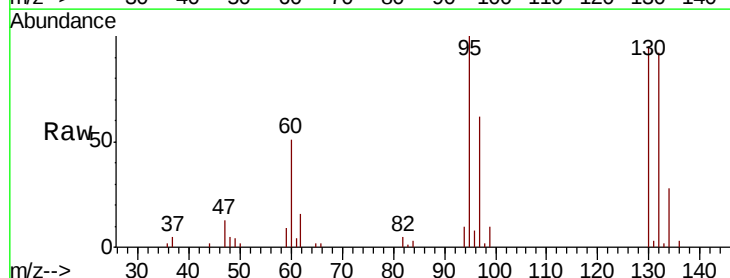
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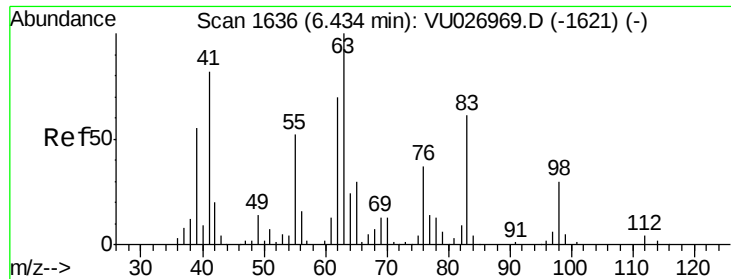
MMDadoda
9/24/2018 2:14:04 PM



#44
Trichloroethene
Concen: 20.688 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	208.8





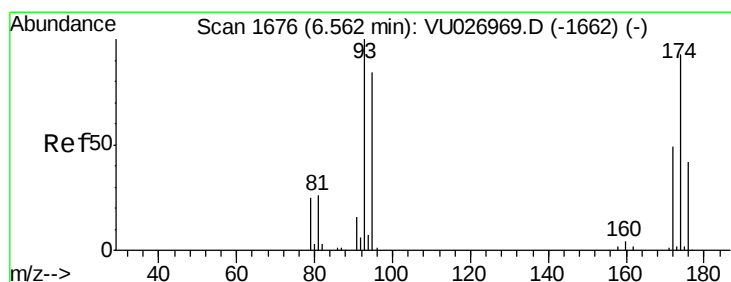
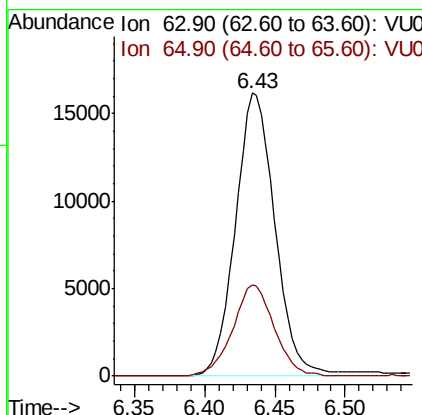
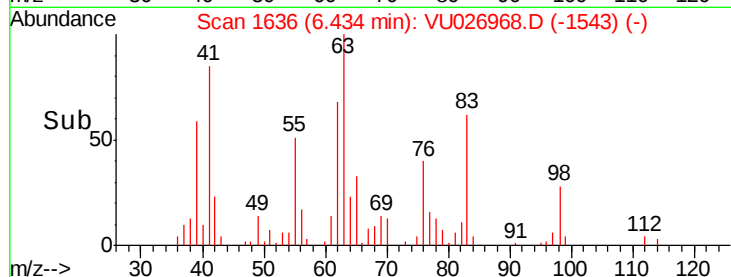
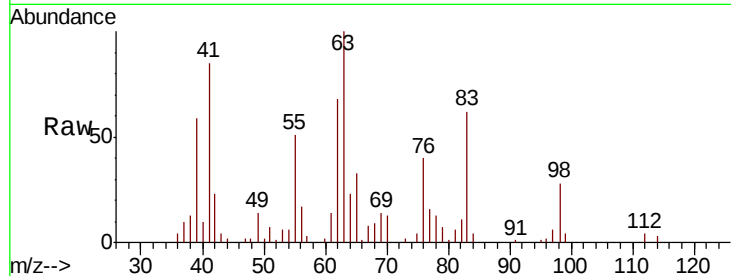
#45
 1,2-Dichloropropane
 Concen: 24.513 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 31774
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.3 36.5

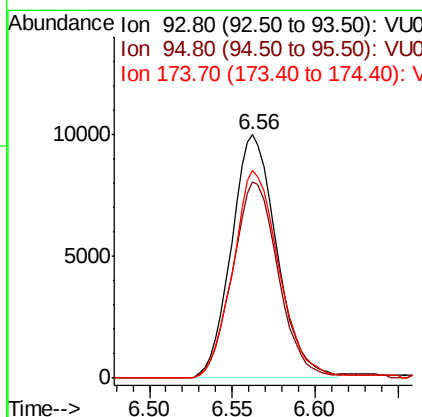
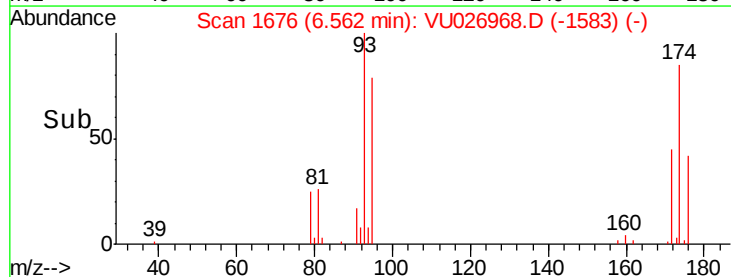
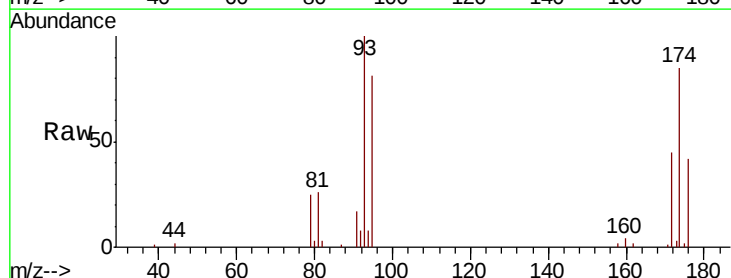
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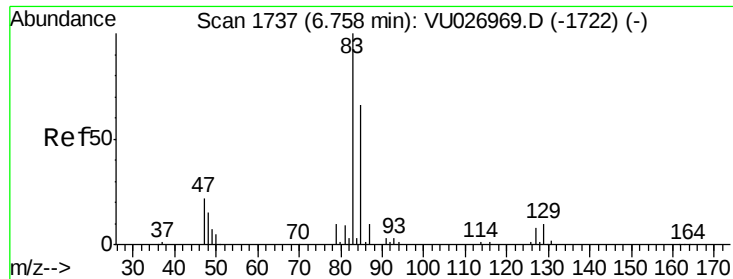
MMDadoda
 9/24/2018 2:14:04 PM



#46
 Dibromomethane
 Concen: 23.111 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion: 93 Resp: 19011
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.2 99.4
 174 87.7 71.7 107.5





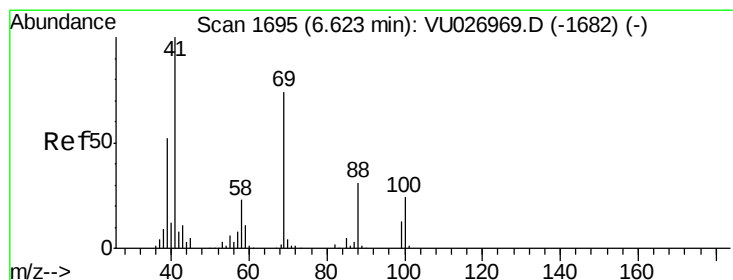
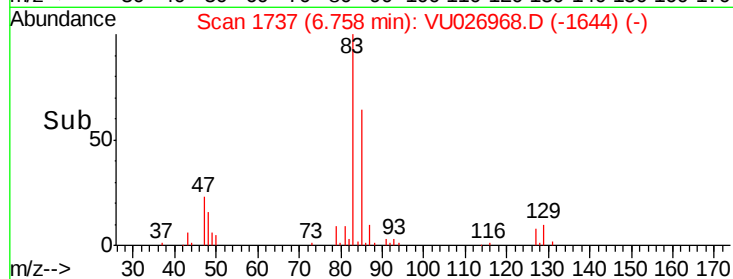
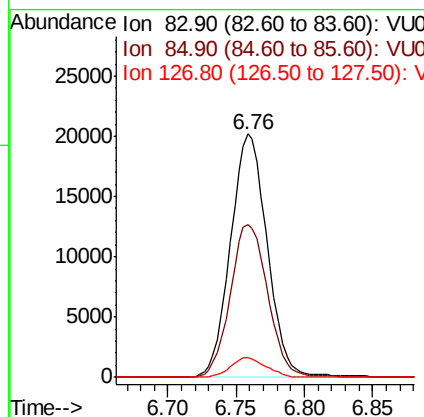
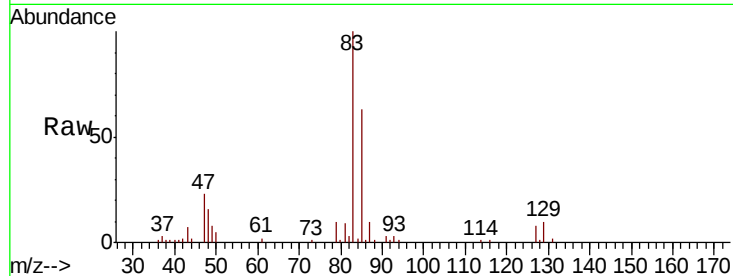
#47
 Bromodichloromethane
 Concen: 23.163 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	83	Resp:	37737
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.5	78.7
127	8.0	6.3	9.5

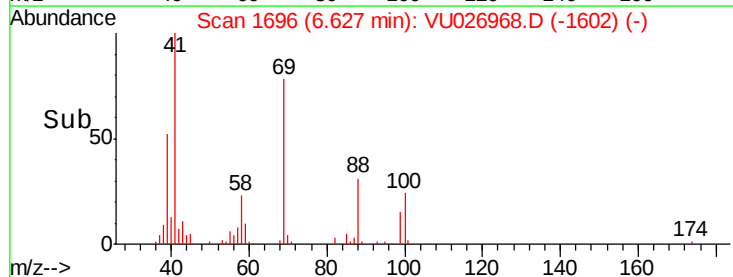
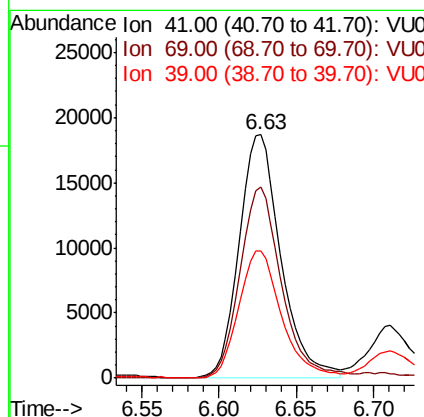
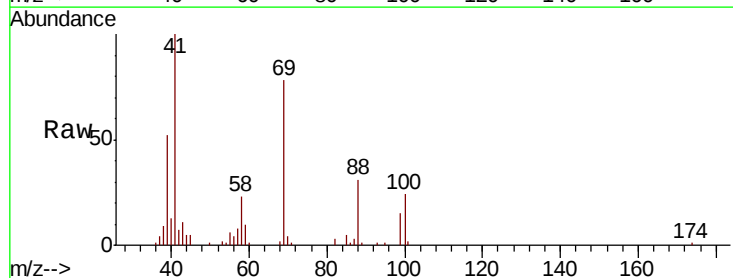
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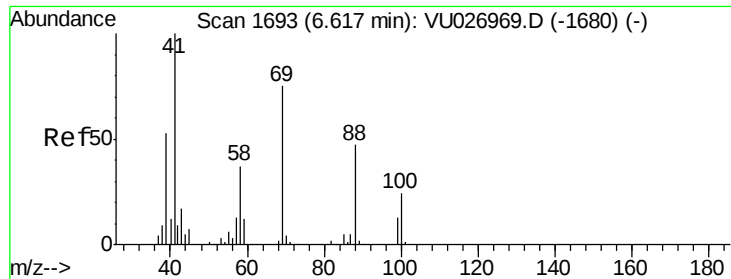
MMDadoda
 9/24/2018 2:14:04 PM



#48
 Methyl methacrylate
 Concen: 24.897 ug/l
 RT: 6.63 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion:	41	Resp:	35159
Ion	Ratio	Lower	Upper
41	100		
69	78.0	60.6	90.8
39	53.7	42.8	64.2





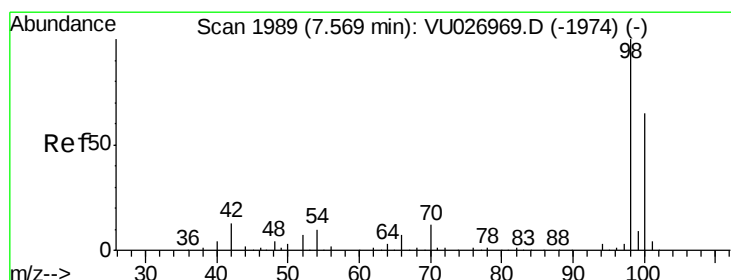
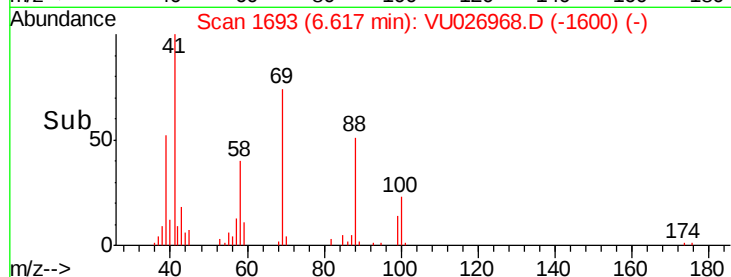
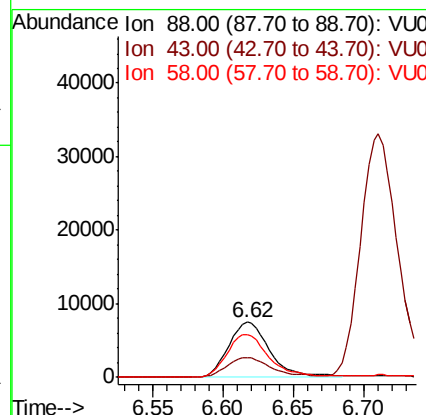
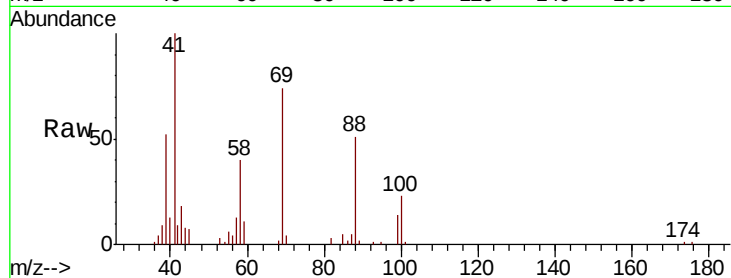
#49
1,4-Dioxane
Concen: 484.199 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	29.8	44.8
58	78.5	63.9	95.9

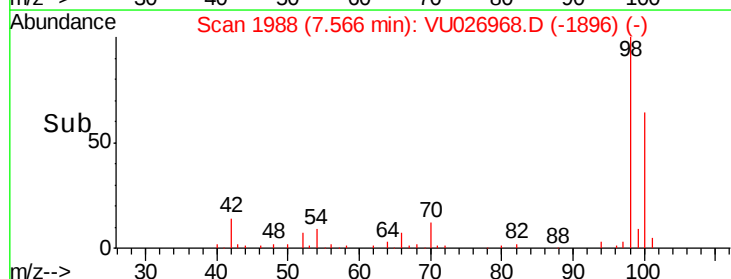
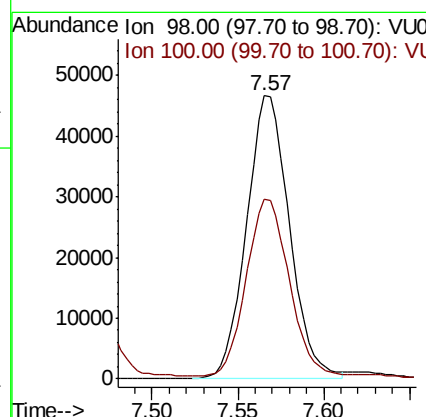
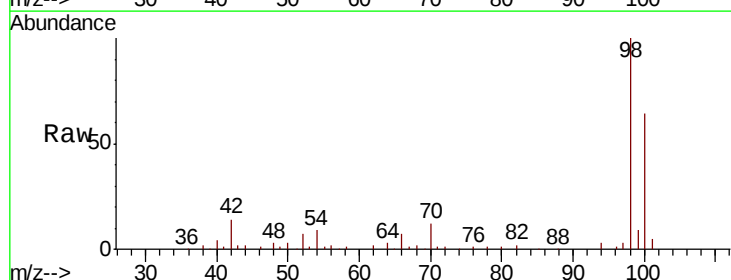
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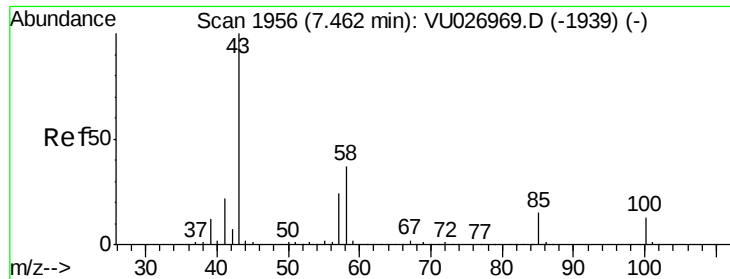
MMDadoda
9/24/2018 2:14:04 PM



#50
Toluene-d8
Concen: 19.748 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 131.682 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 253149

Ion Ratio Lower Upper

43 100

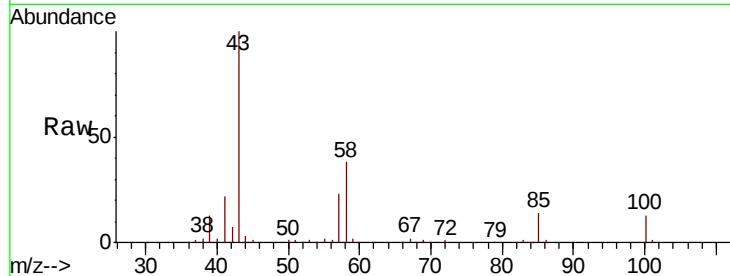
58 36.9 29.8 44.6

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

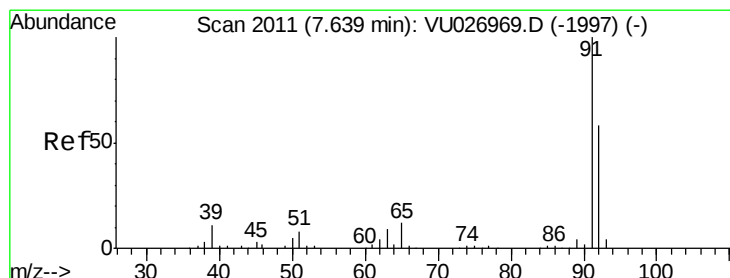
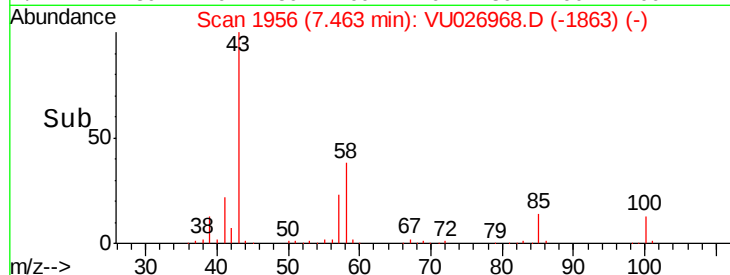
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.274 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026968.D

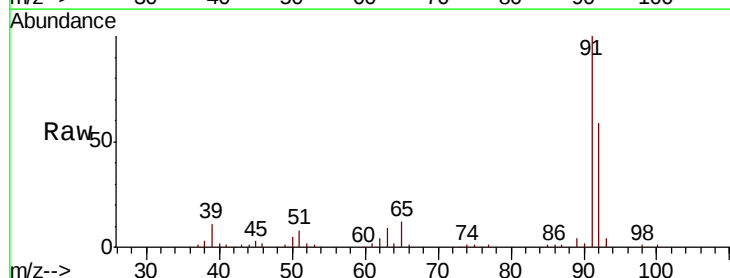
Acq: 21 Sep 2018 15:15

Tgt Ion: 92 Resp: 65698

Ion Ratio Lower Upper

92 100

91 176.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

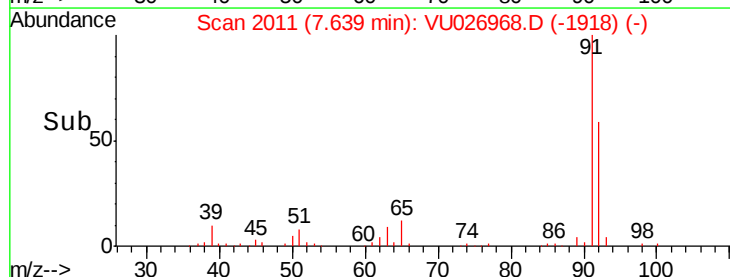
60000

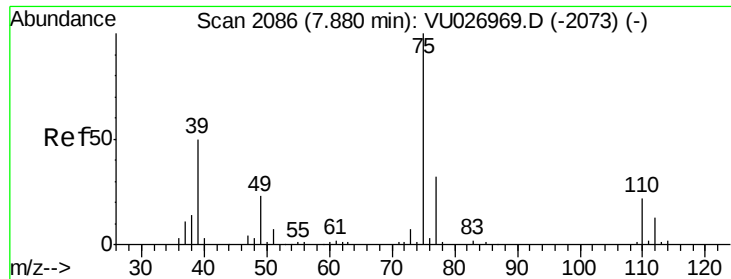
40000

20000

0

Time-->





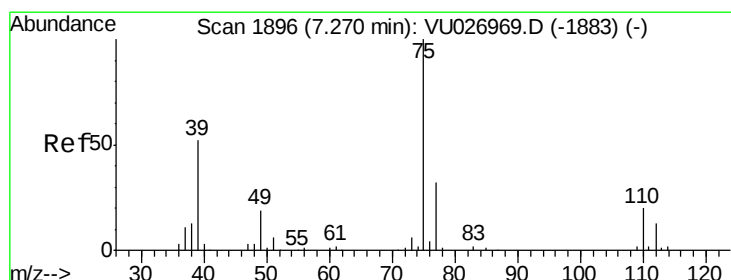
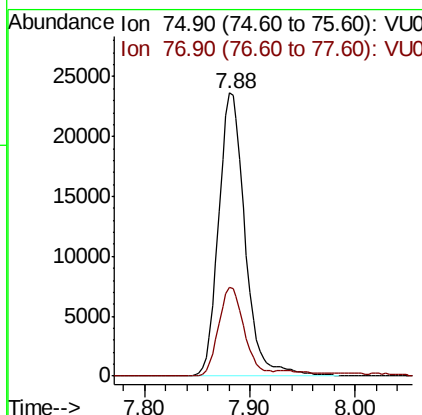
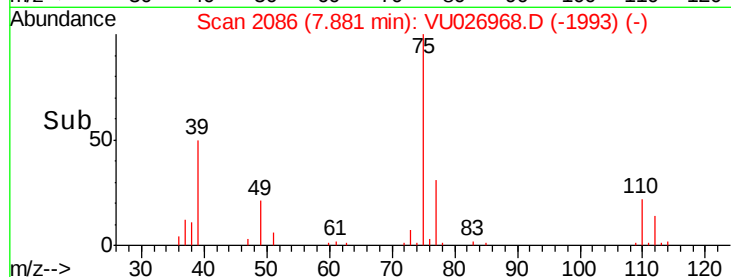
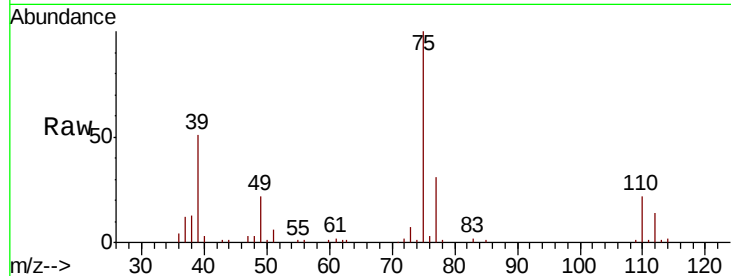
#53
t-1,3-Dichloropropene
Concen: 22.625 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 41101
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

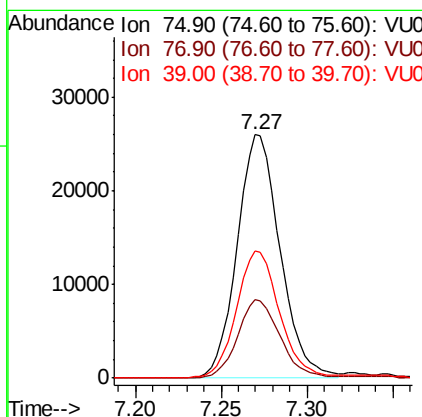
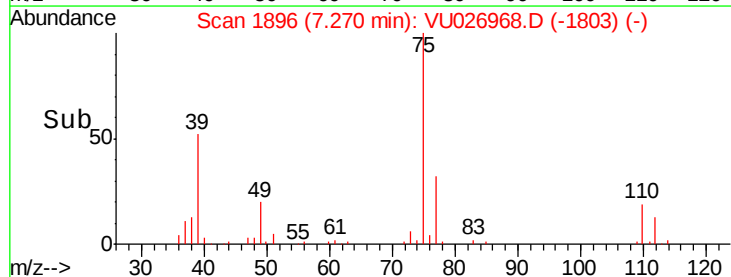
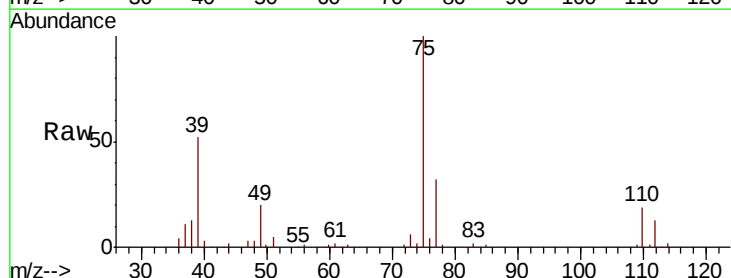
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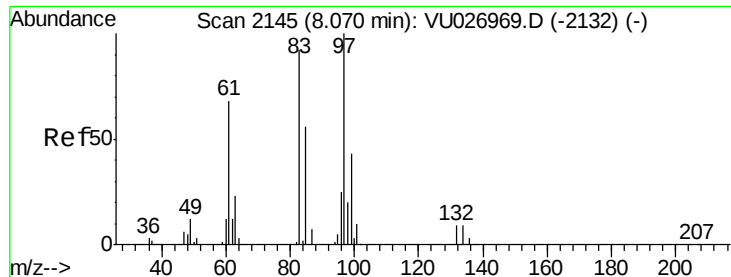
MMDadoda
9/24/2018 2:14:04 PM



#54
cis-1,3-Dichloropropene
Concen: 23.066 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion: 75 Resp: 45176
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
39 52.1 41.6 62.4





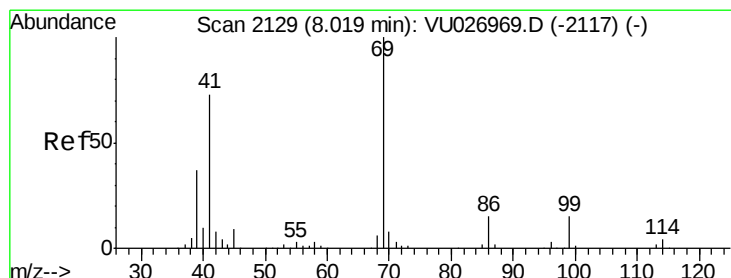
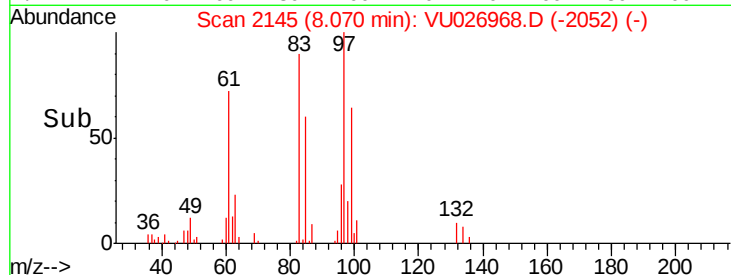
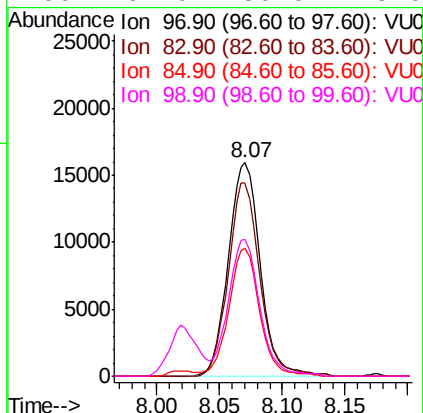
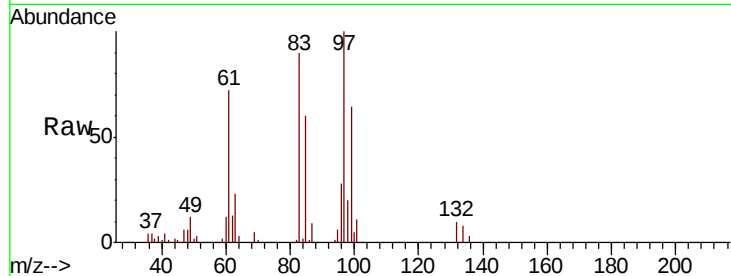
#55
 1,1,2-Trichloroethane
 Concen: 23.500 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	28217
Ion	Ratio	Lower	Upper
97	100		
83	90.3	73.1	109.7
85	60.0	46.7	70.1
99	64.0	50.0	75.0

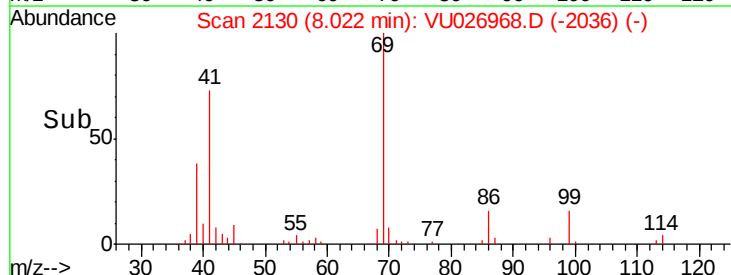
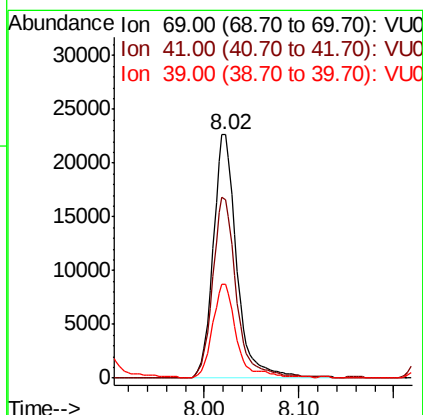
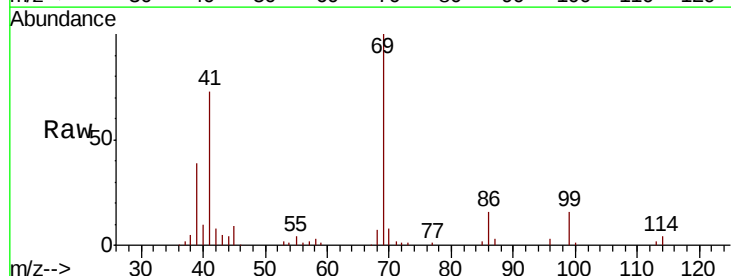
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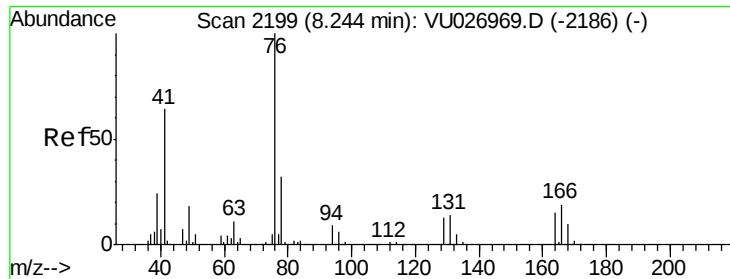
MMDadoda
 9/24/2018 2:14:04 PM



#56
 Ethyl methacrylate
 Concen: 22.196 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion:	69	Resp:	39270
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.0	88.4
39	39.3	30.2	45.4





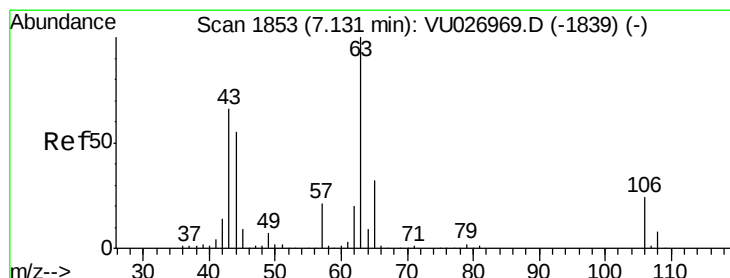
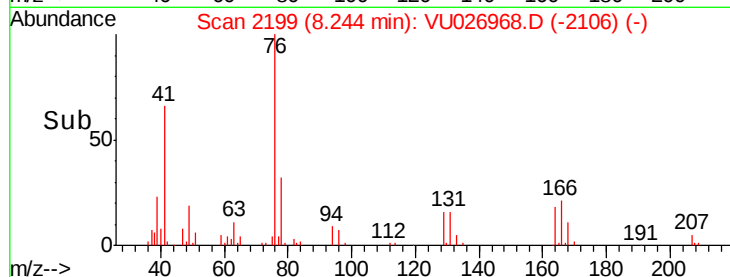
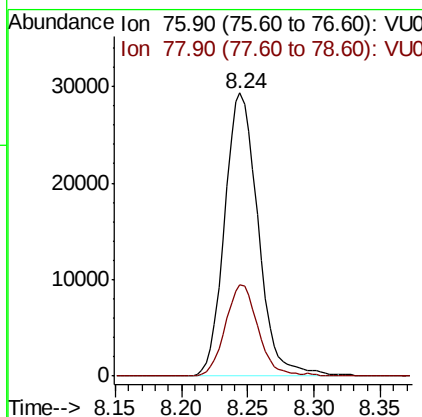
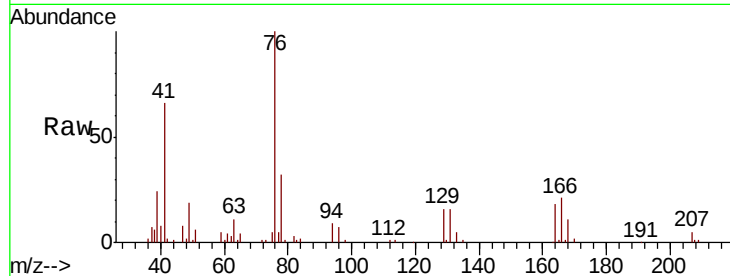
#57
 1,3-Dichloropropane
 Concen: 24.781 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

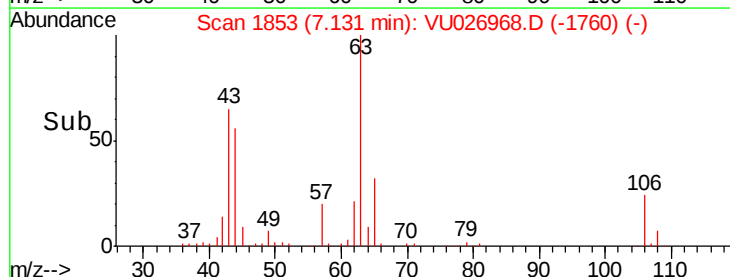
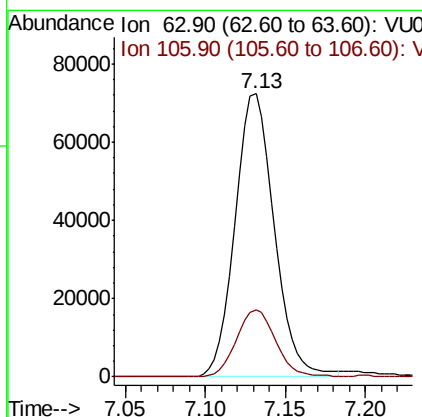
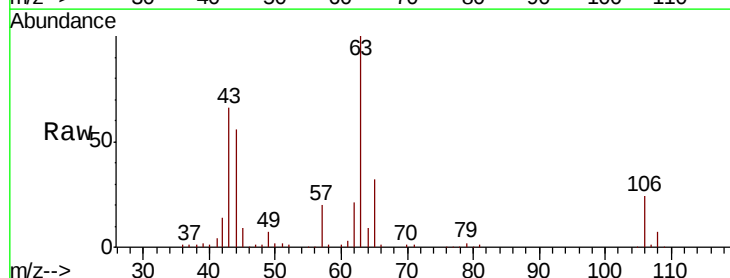
Manual Integrations
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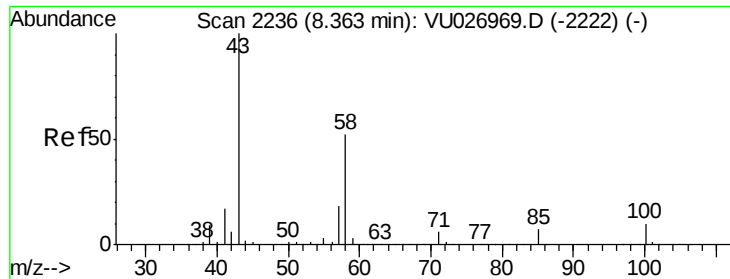
MMDadoda
 9/24/2018 2:14:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.372 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.8	18.7	28.1





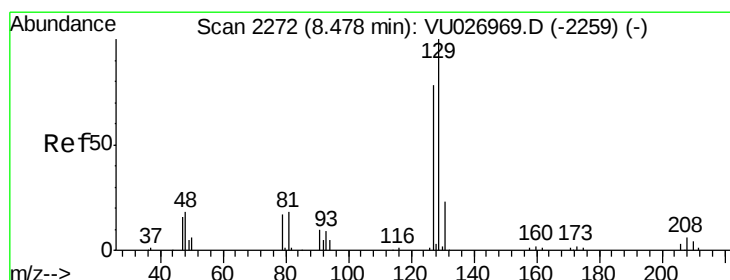
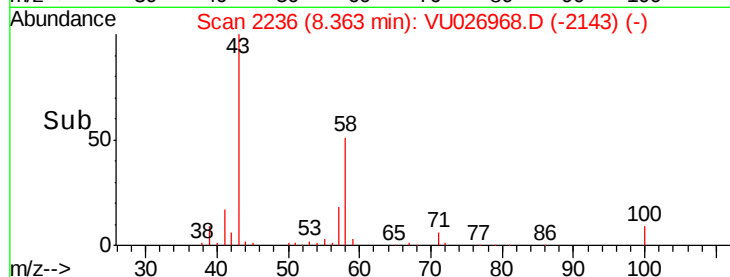
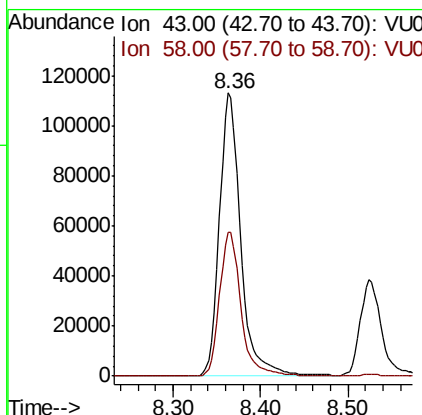
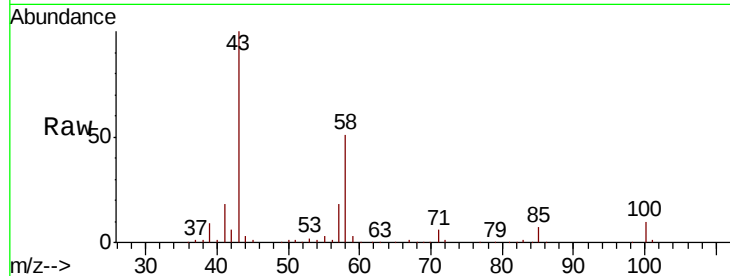
#59
2-Hexanone
Concen: 127.697 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 192128
Ion Ratio Lower Upper
43 100
58 51.1 26.1 78.2

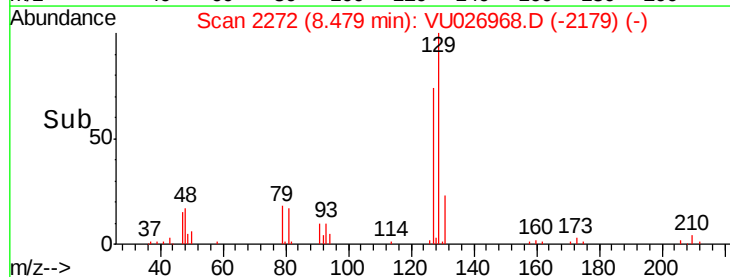
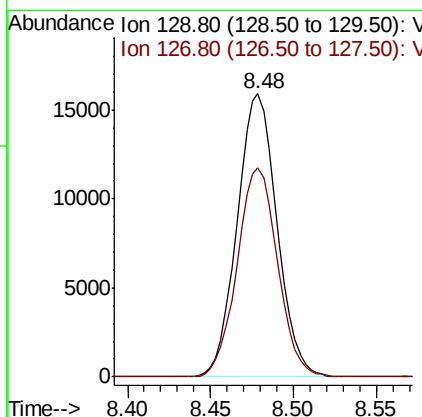
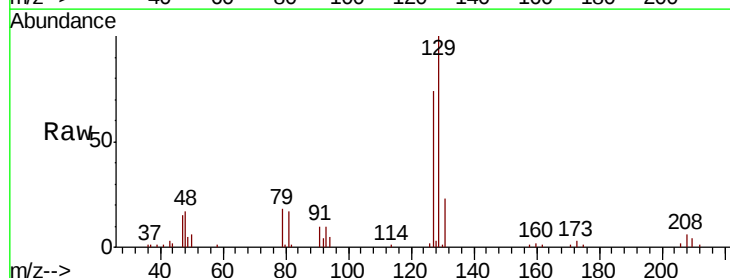
Manual Integrations
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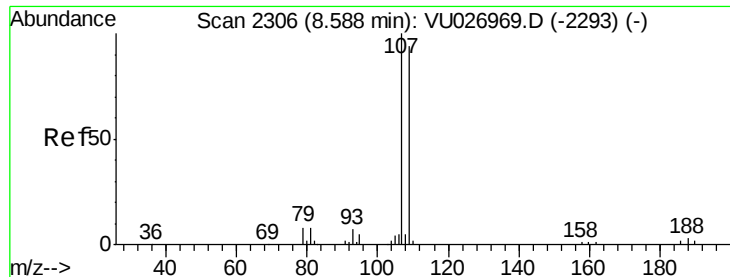
MMDadoda
9/24/2018 2:14:04 PM



#60
Dibromochloromethane
Concen: 20.924 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion:129 Resp: 26642
Ion Ratio Lower Upper
129 100
127 74.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.956 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 28486

Ion Ratio Lower Upper

107 100

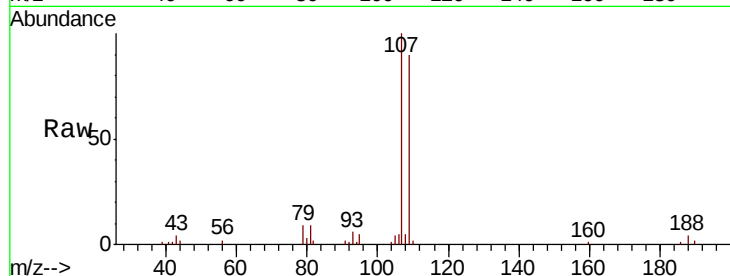
109 92.3 75.0 112.6

Manual Integrations

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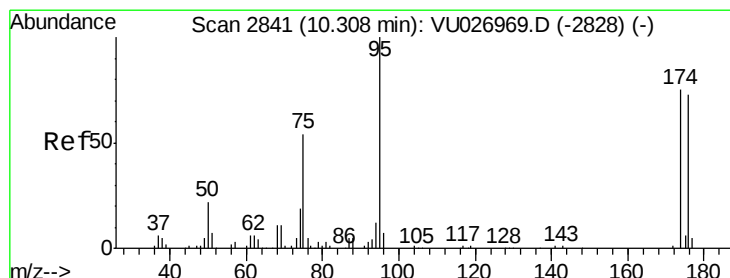
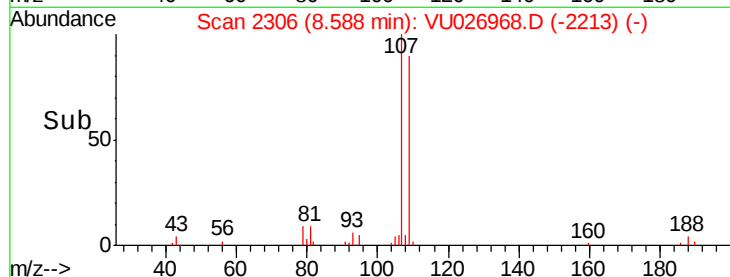
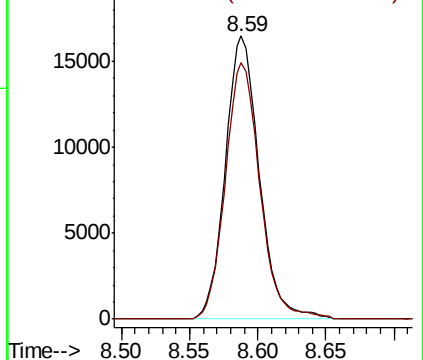
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.011 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

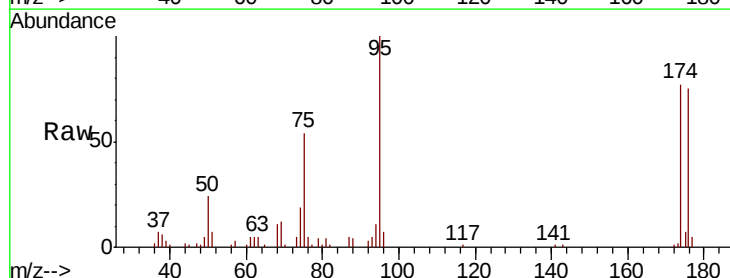
Tgt Ion: 95 Resp: 26462

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

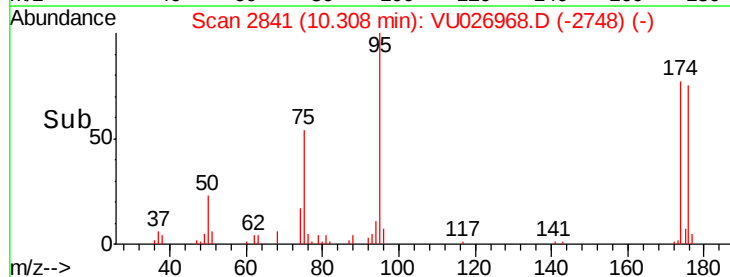
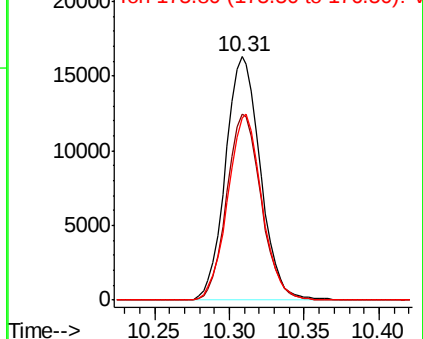
176 74.8 0.0 145.2

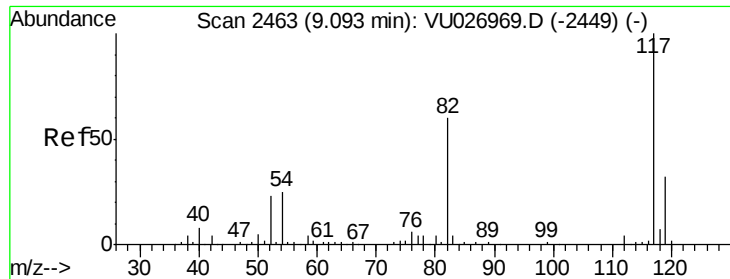


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





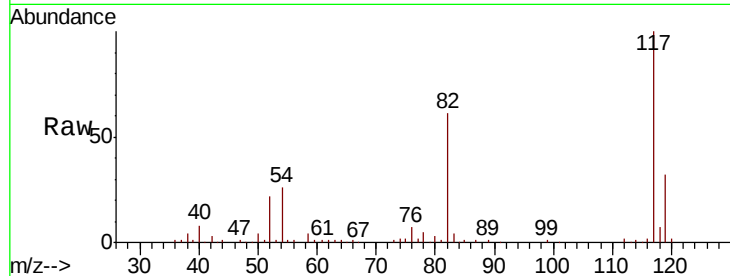
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.0	72.0
119	31.8	25.8	38.8

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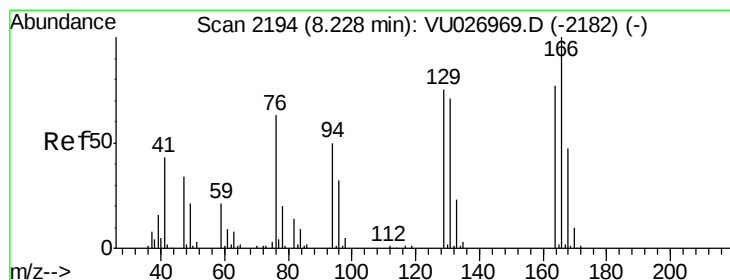
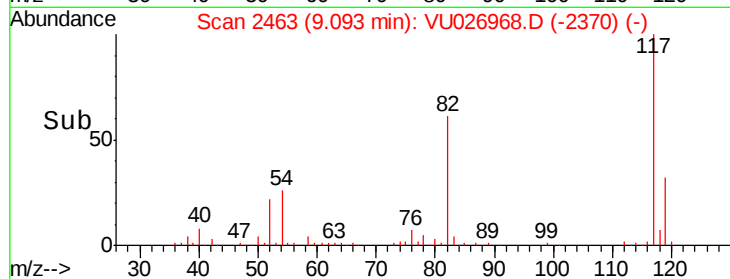
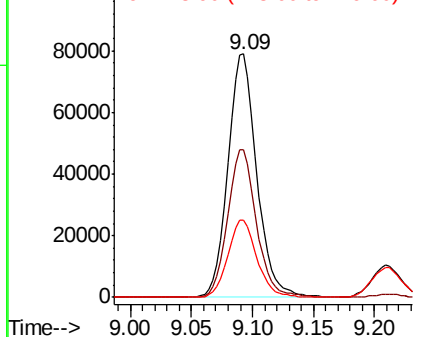


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.006 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.4	156.6
129	97.4	78.7	118.1
131	92.5	73.9	110.9

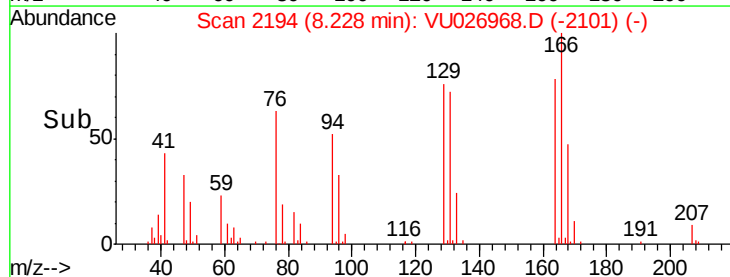
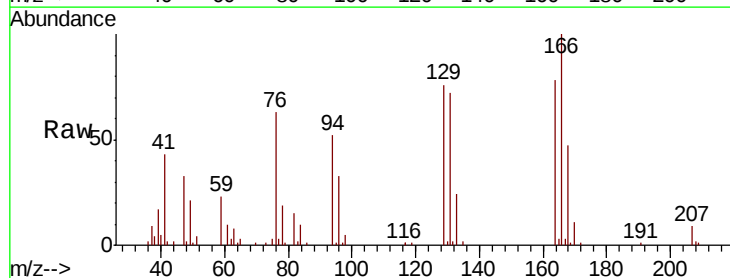
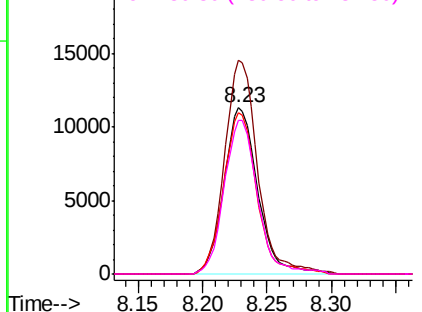
Abundance

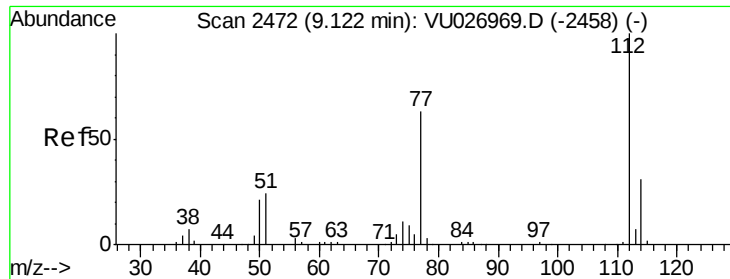
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





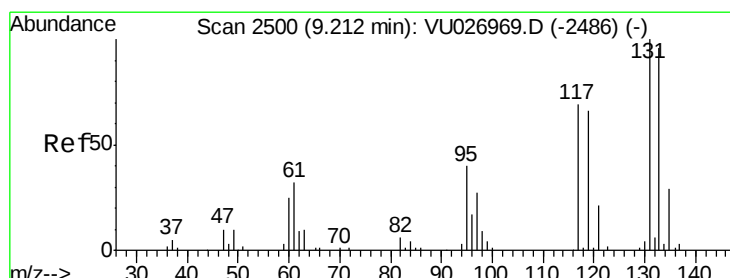
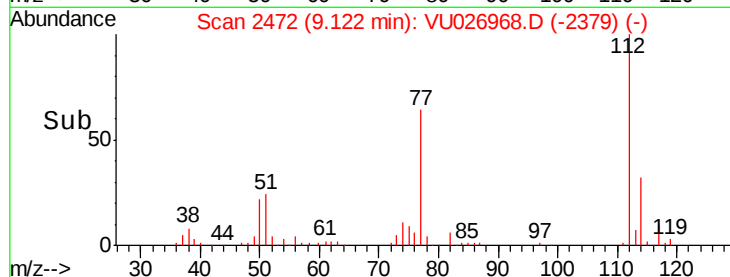
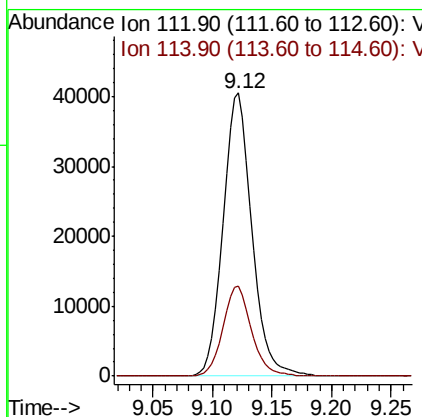
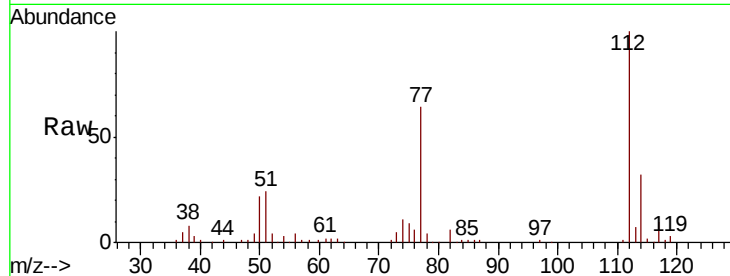
#65
Chlorobenzene
Concen: 20.863 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 67896
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

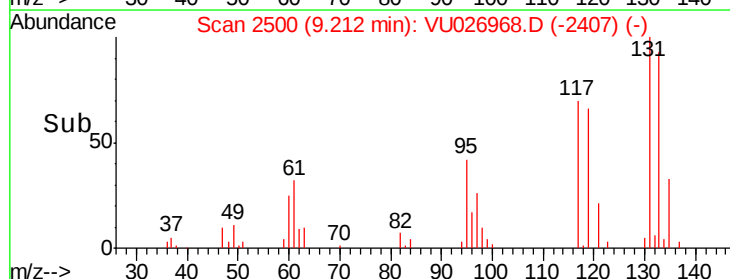
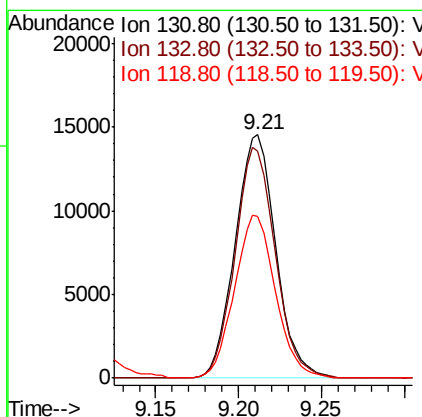
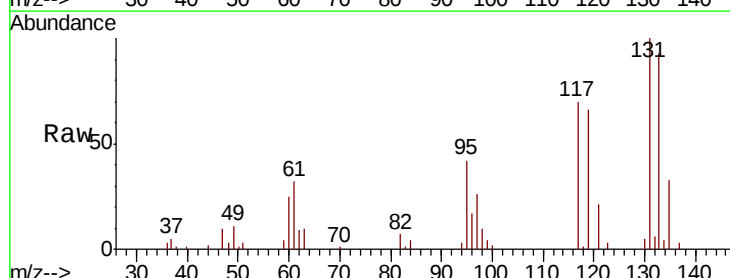
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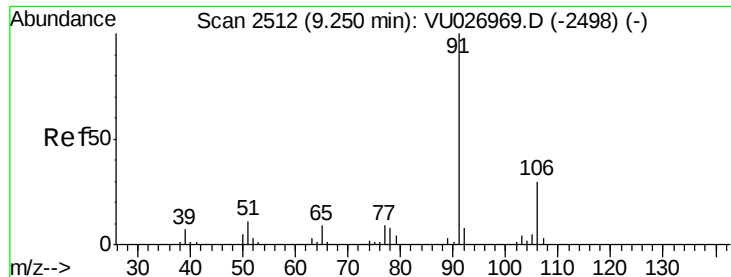
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.817 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion:131 Resp: 24821
Ion Ratio Lower Upper
131 100
133 93.5 48.0 144.2
119 67.4 33.4 100.1





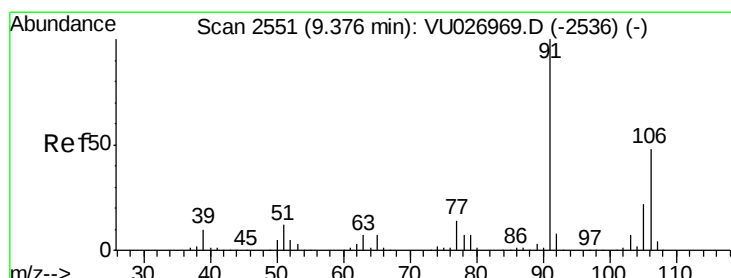
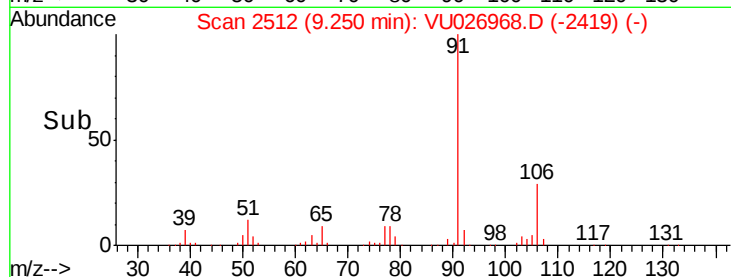
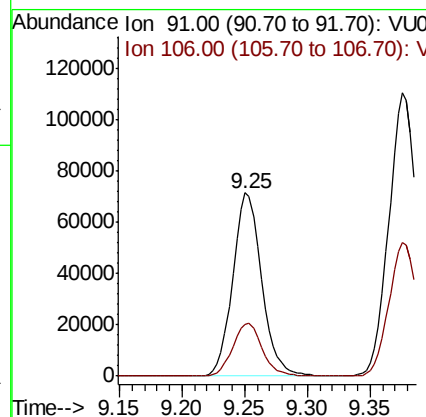
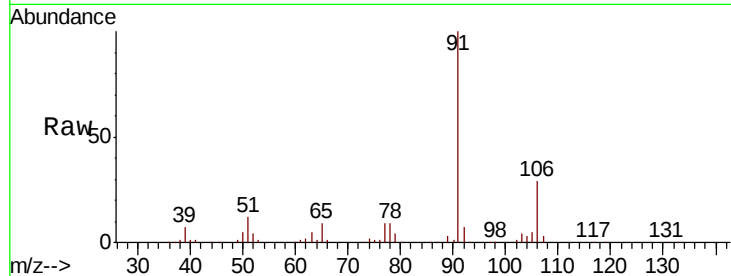
#67
Ethyl Benzene
Concen: 21.165 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 114590
Ion Ratio Lower Upper
91 100
106 28.6 23.8 35.8

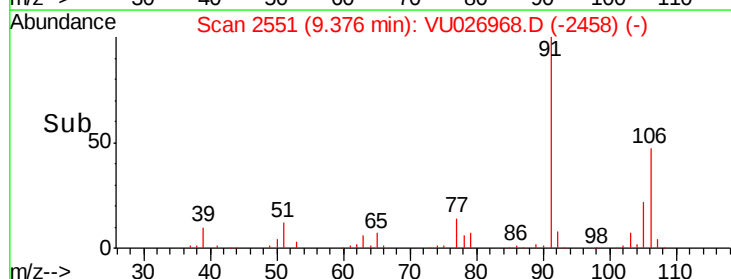
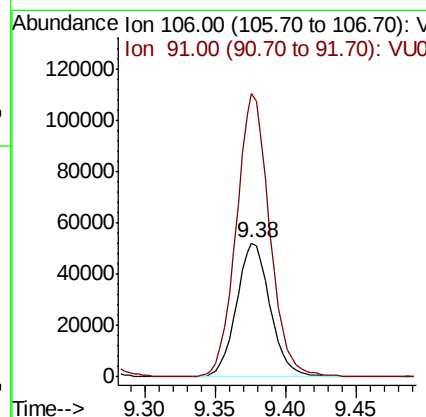
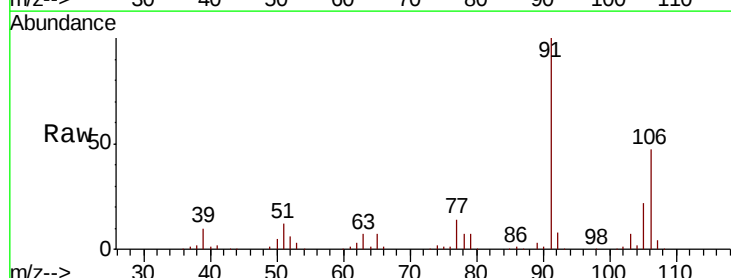
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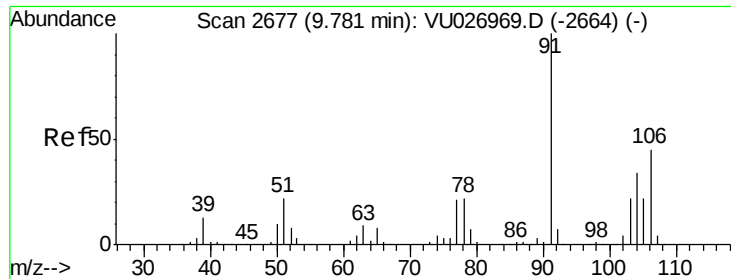
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9/24/2018 2:14:04 PM



#68
m/p-Xylenes
Concen: 42.862 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion: 106 Resp: 87752
Ion Ratio Lower Upper
106 100
91 208.3 166.5 249.7





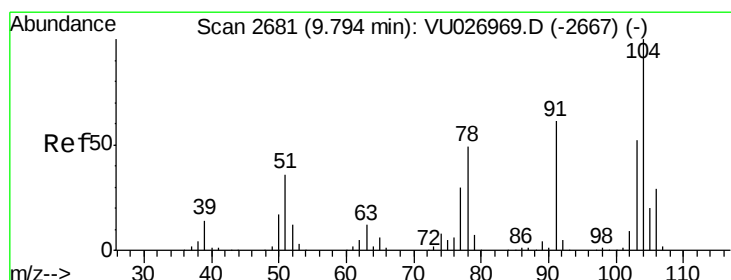
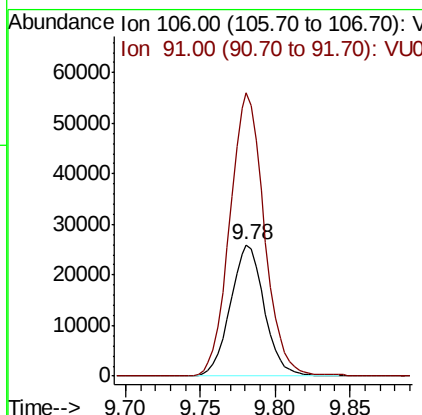
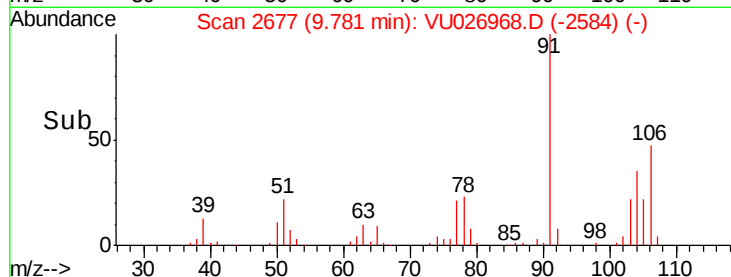
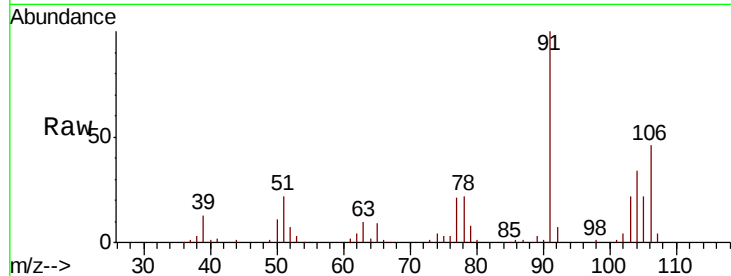
#69
o-Xylene
Concen: 20.608 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 40921
Ion Ratio Lower Upper
106 100
91 220.2 110.2 330.6

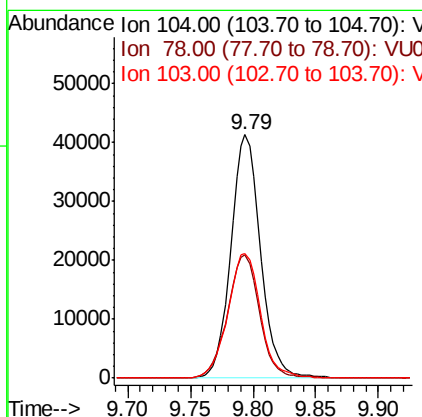
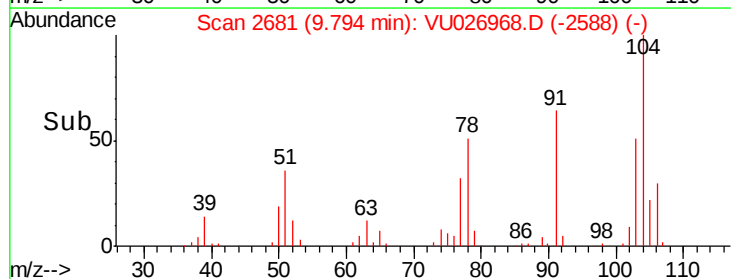
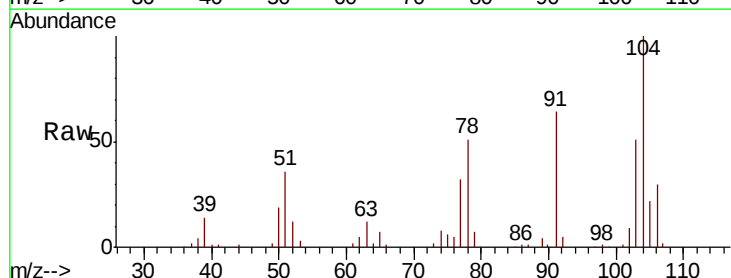
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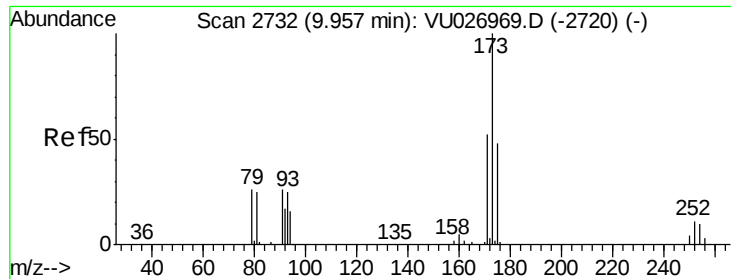
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#70
Styrene
Concen: 20.859 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion:104 Resp: 67892
Ion Ratio Lower Upper
104 100
78 54.3 43.0 64.4
103 56.3 44.1 66.1





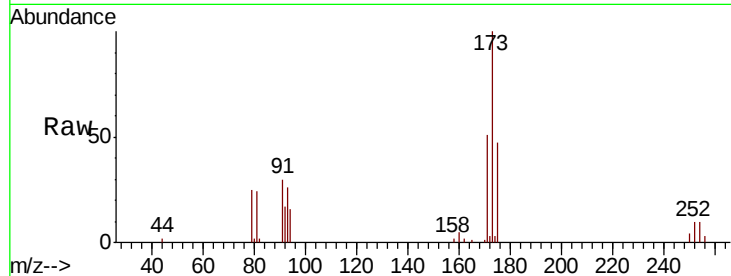
#71
Bromoform
Concen: 18.195 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.1	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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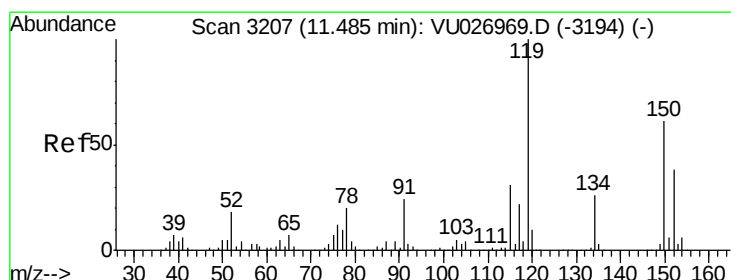
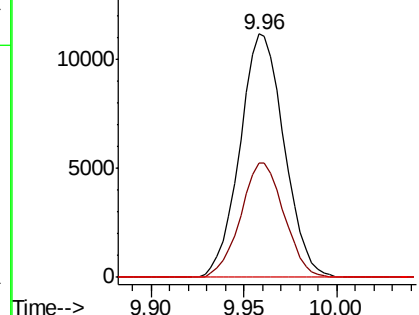
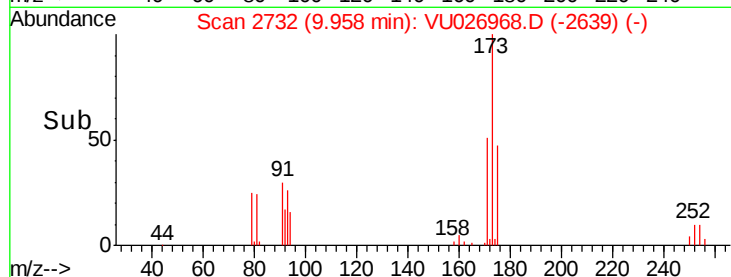


Abundance

Ion 172.70 (172.40 to 173.40): V

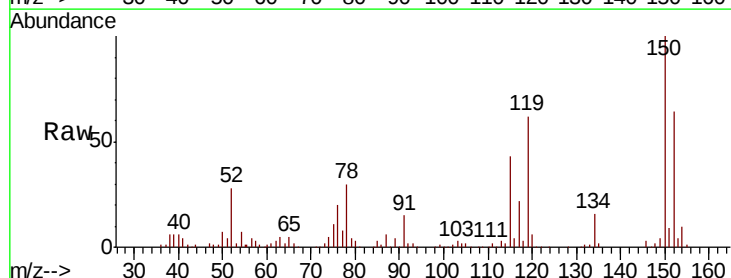
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.7	44.9	134.5
150	164.9	0.0	355.8

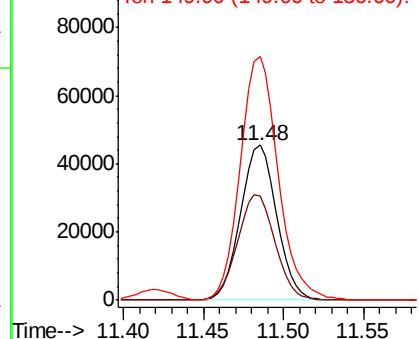
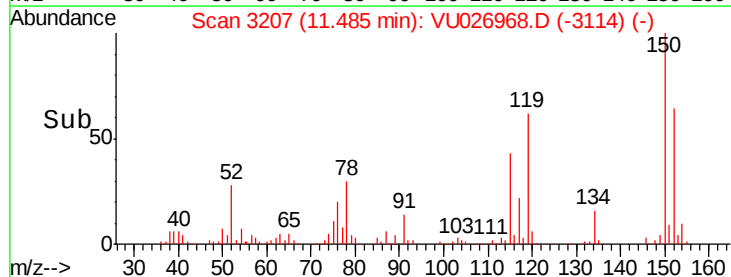


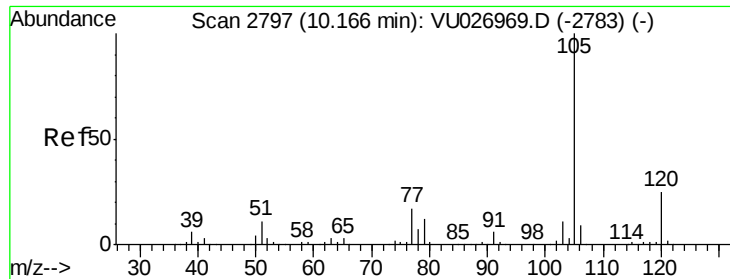
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.783 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 110915

Ion Ratio Lower Upper

105 100

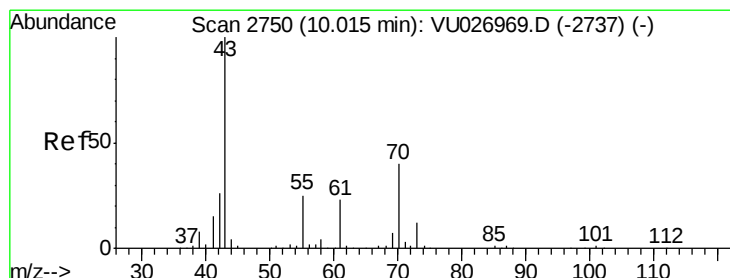
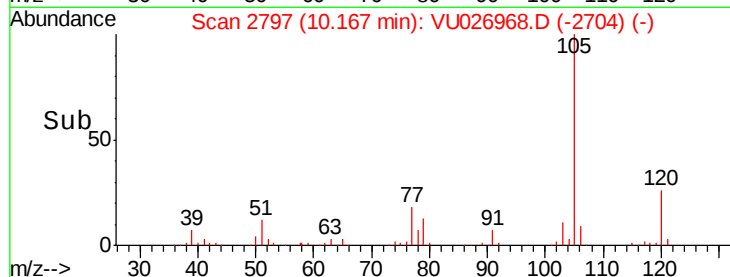
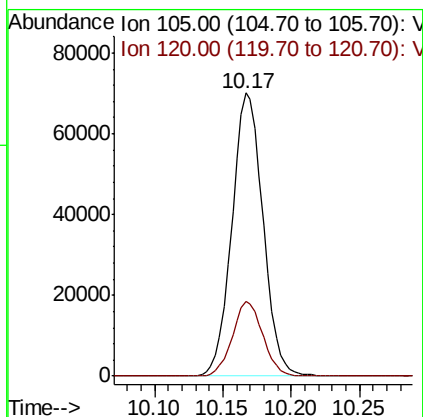
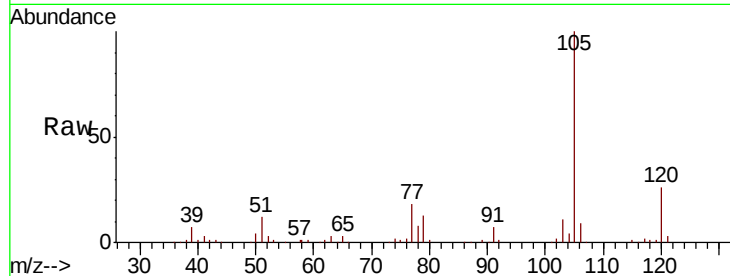
120 25.8 12.8 38.4

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#74

N-ethyl acetate

Concen: 25.441 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Tgt Ion: 43 Resp: 60399

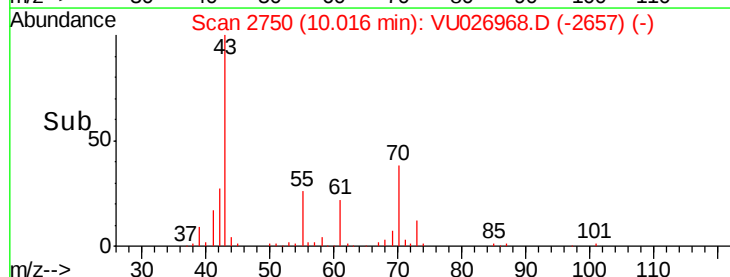
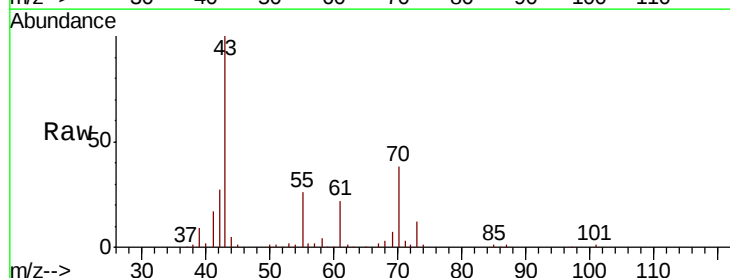
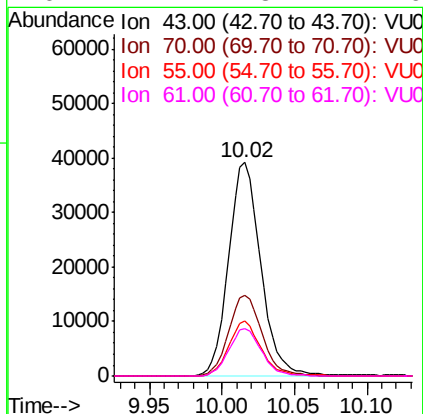
Ion Ratio Lower Upper

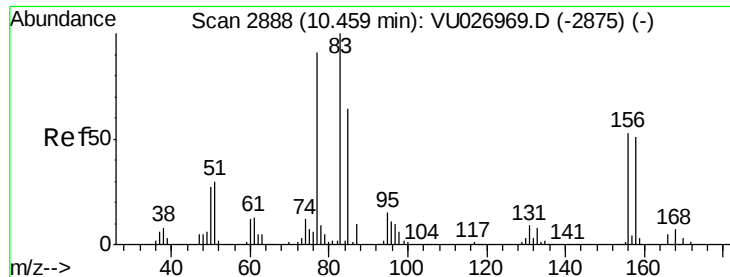
43 100

70 38.9 31.8 47.8

55 25.6 19.9 29.9

61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.096 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

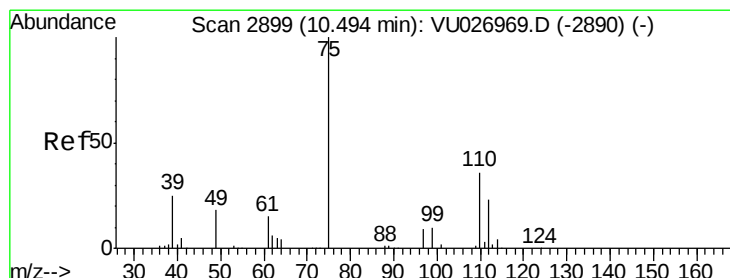
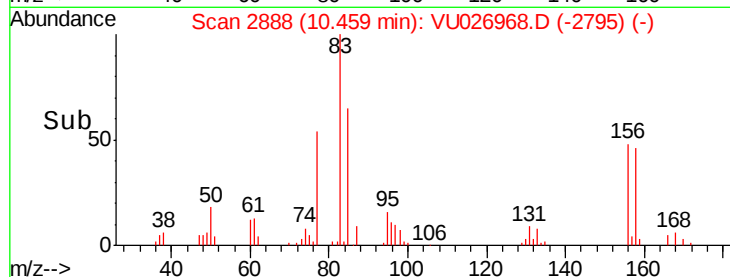
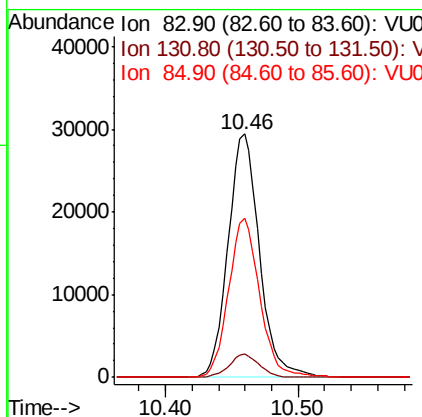
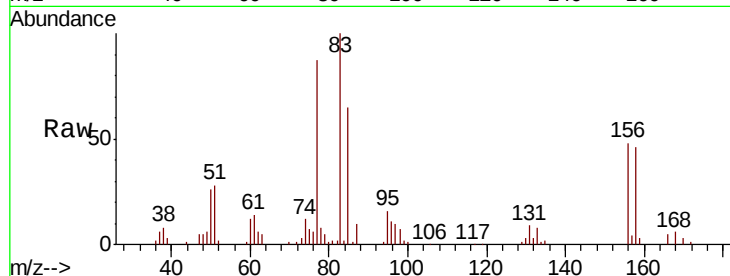
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	48354
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.3	12.8
85	64.9	31.9	95.7

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 25.800 ug/l m

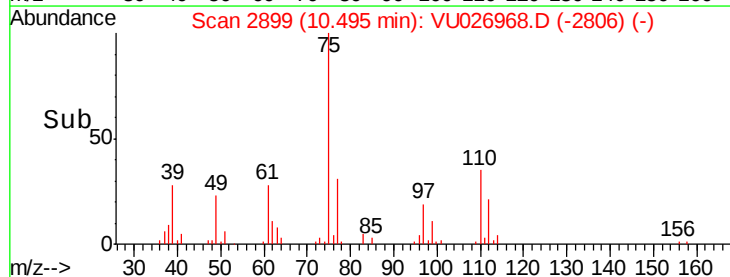
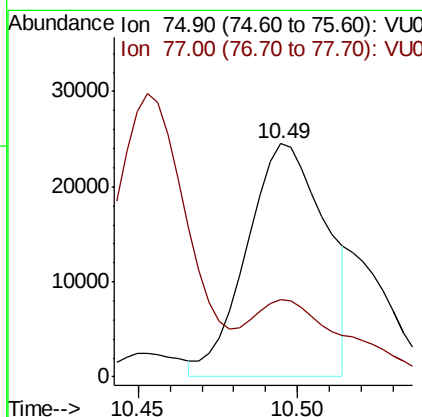
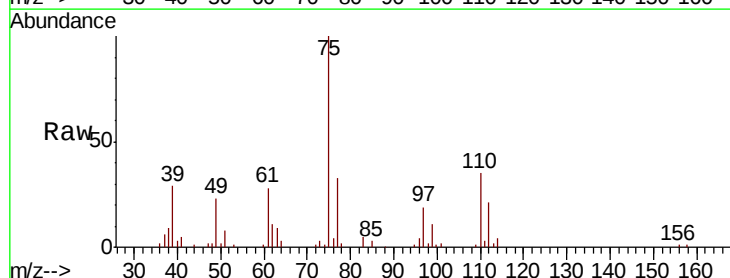
RT: 10.49 min Scan# 2899

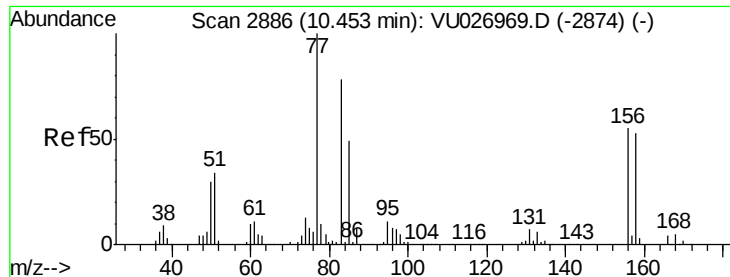
Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Tgt Ion:	75	Resp:	42125
Ion Ratio	Lower	Upper	
75	100		
77	39.5	20.9	62.8





#77

Bromobenzene

Concen: 20.026 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

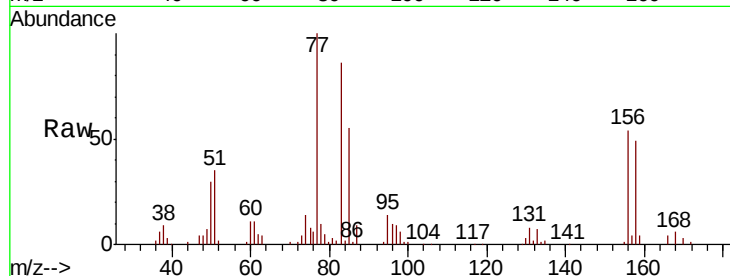
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	25964
Ion Ratio	Lower	Upper	
156	100		
77	188.0	92.3	276.9
158	95.7	48.1	144.3

Manual Integrations
APPROVED

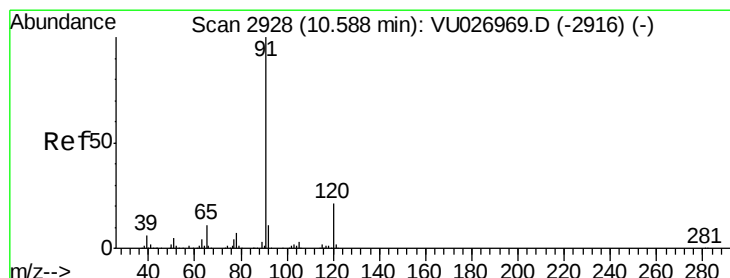
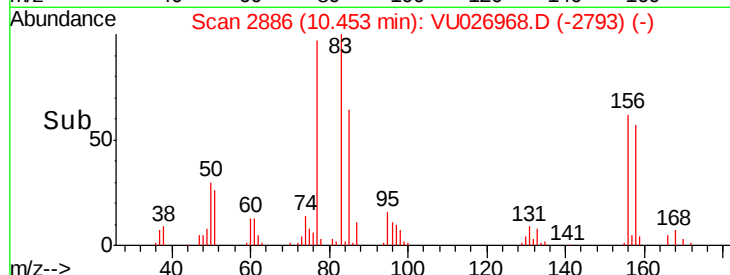
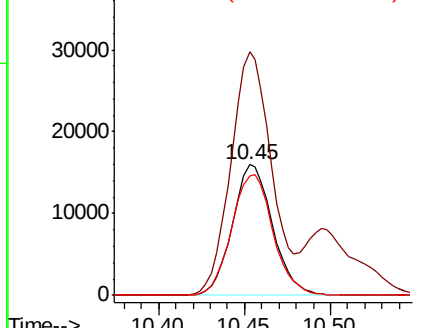
MMDadoda
9/24/2018 2:14:04 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.024 ug/l

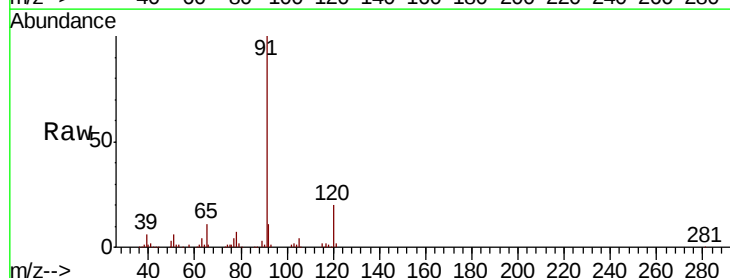
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026968.D

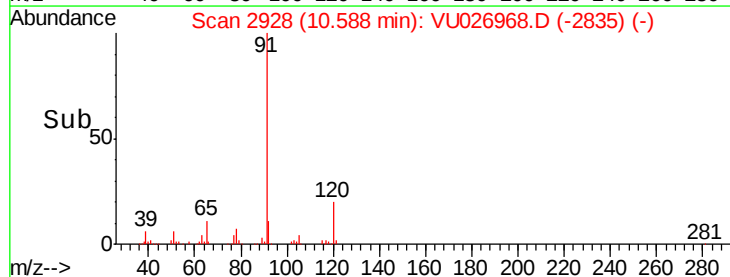
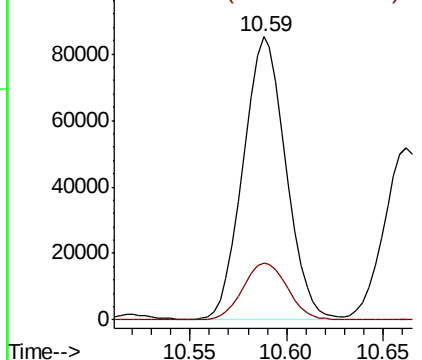
Acq: 21 Sep 2018 15:15

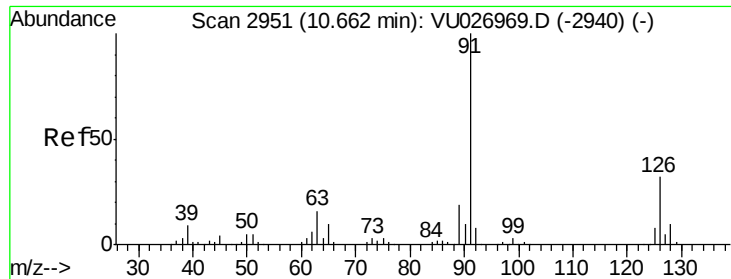
Tgt Ion:	91	Resp:	131129
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





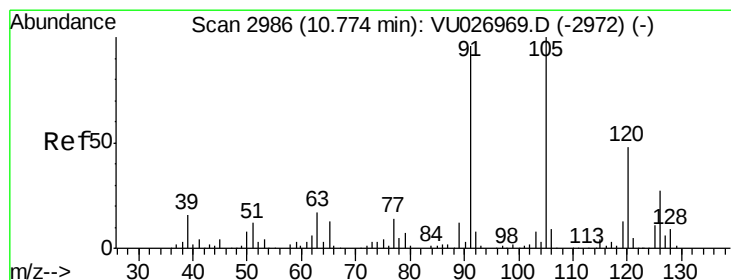
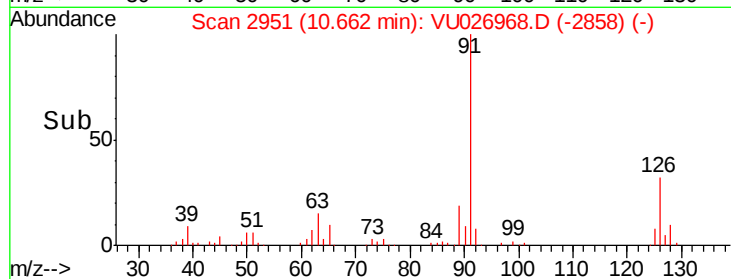
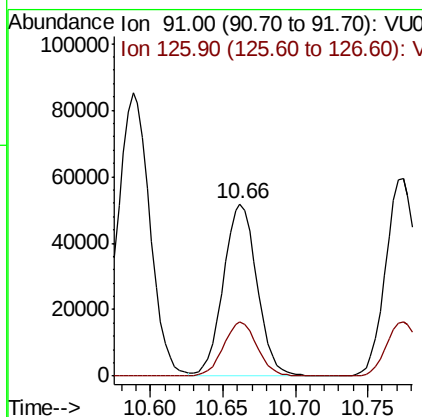
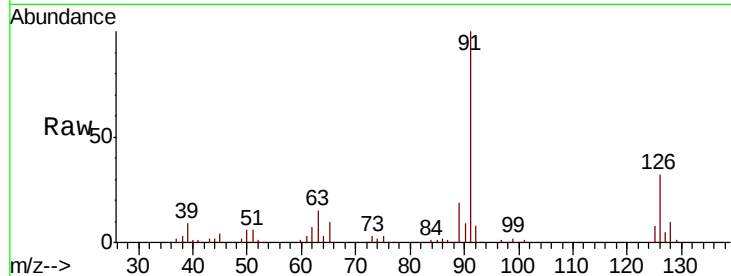
#79
 2-Chlorotoluene
 Concen: 23.661 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 83381
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.8 47.3

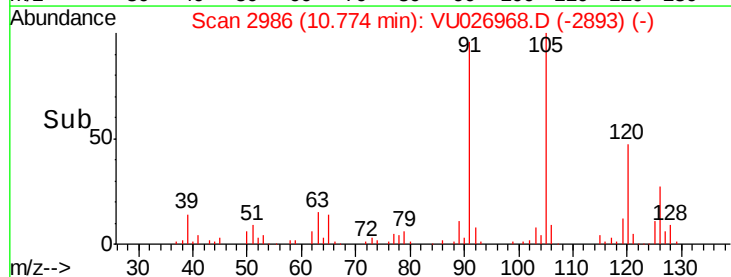
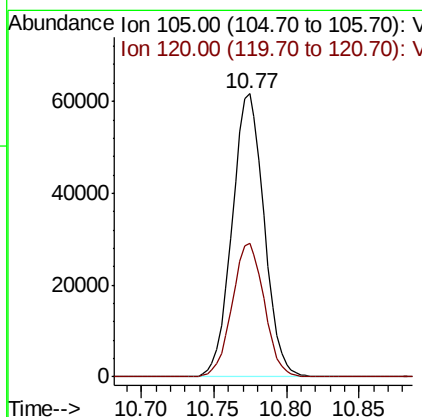
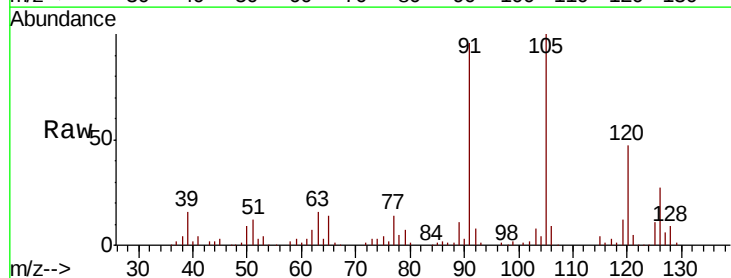
Manual Integrations
 APPROVED

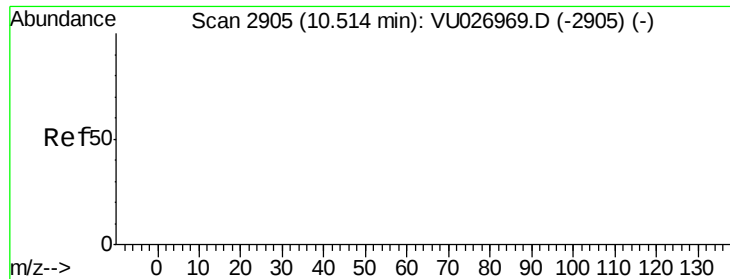
MMDadoda
 9/24/2018 2:14:04 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 23.135 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion: 105 Resp: 94494
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 22.115 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU026968.D

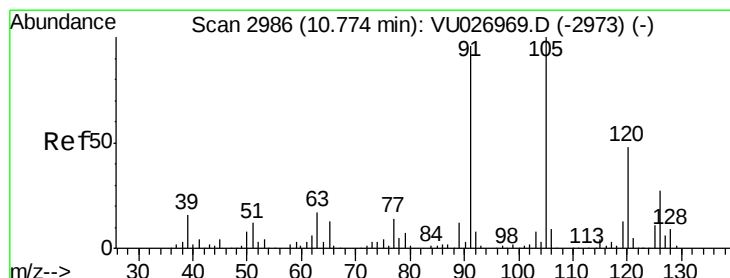
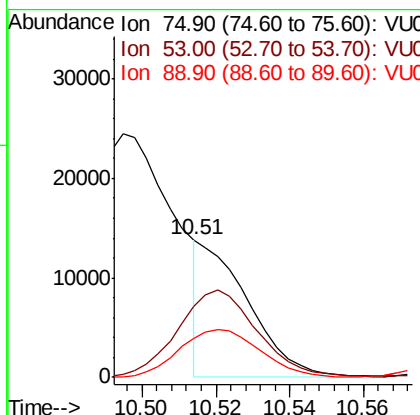
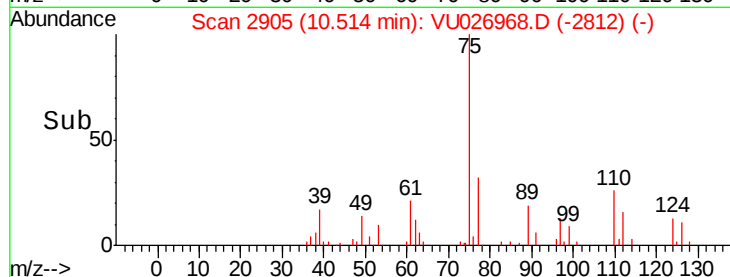
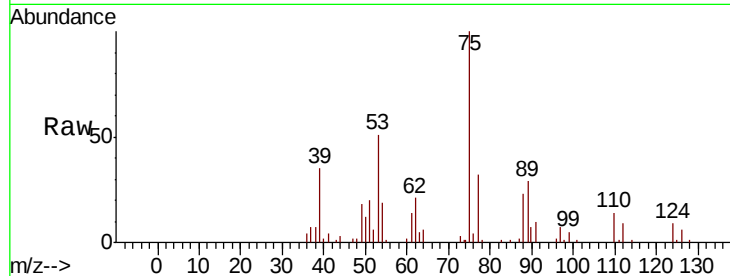
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 23.198 ug/l

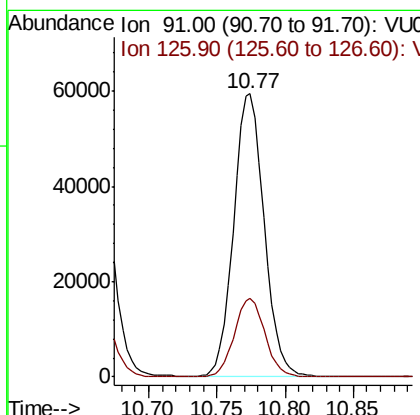
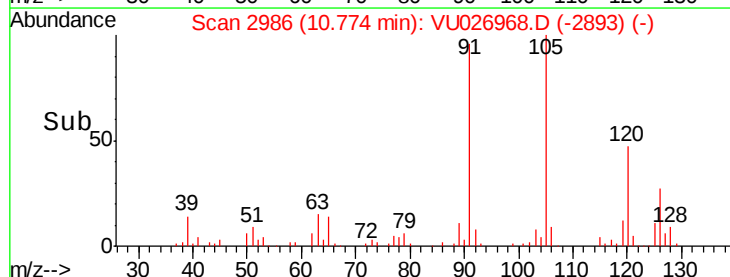
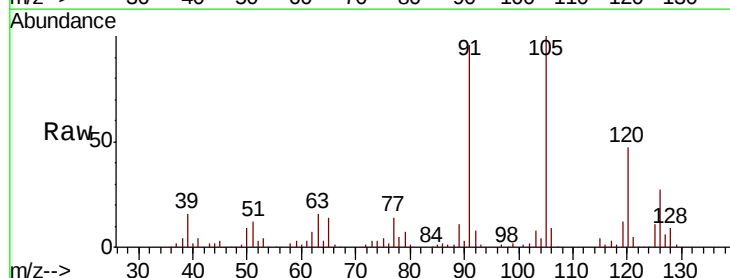
RT: 10.77 min Scan# 2986

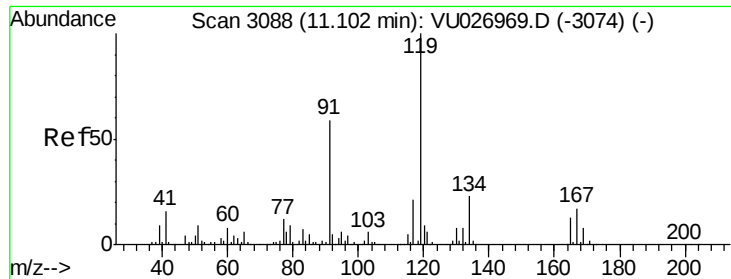
Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.2





#83

tert-Butylbenzene

Concen: 21.066 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

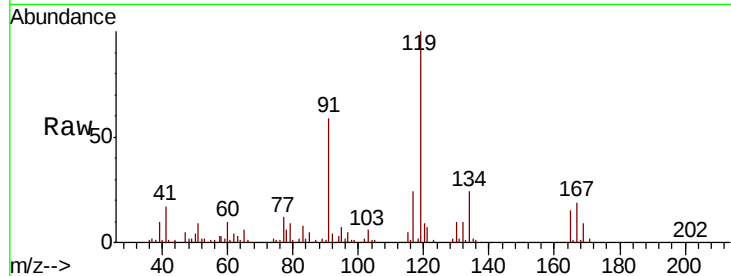
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	86519
Ion Ratio	Lower	Upper	
119	100		
91	59.1	29.8	89.4
134	23.3	11.5	34.4

Manual Integrations
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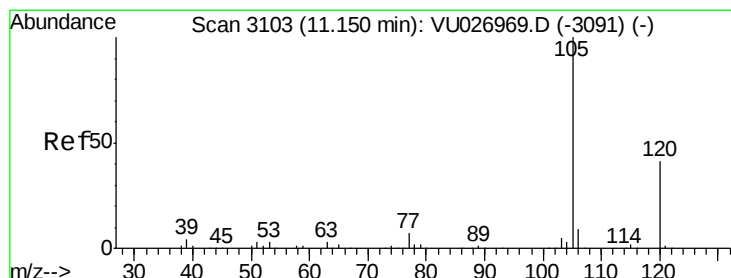
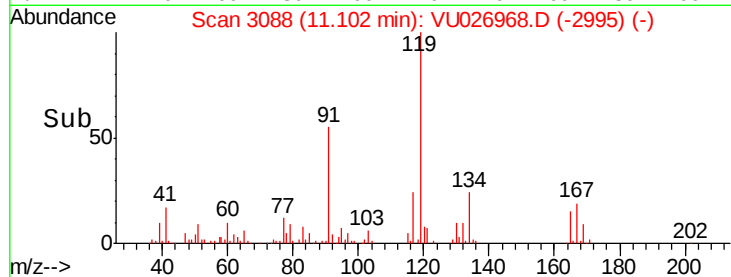
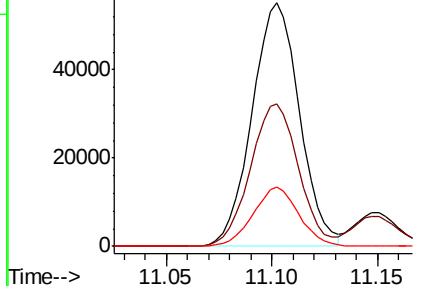
MMDadoda
9/24/2018 2:14:04 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.233 ug/l

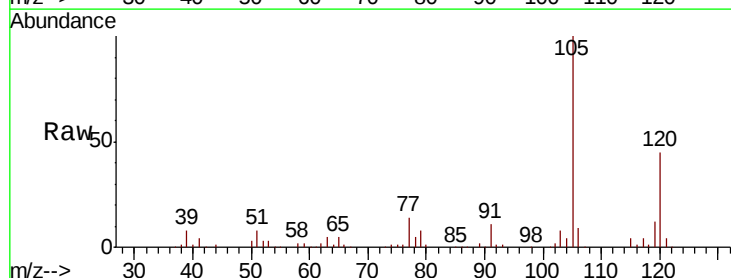
RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU026968.D

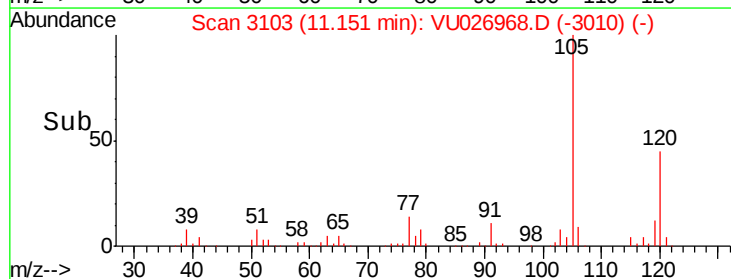
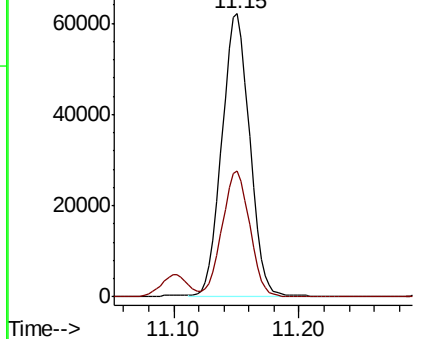
Acq: 21 Sep 2018 15:15

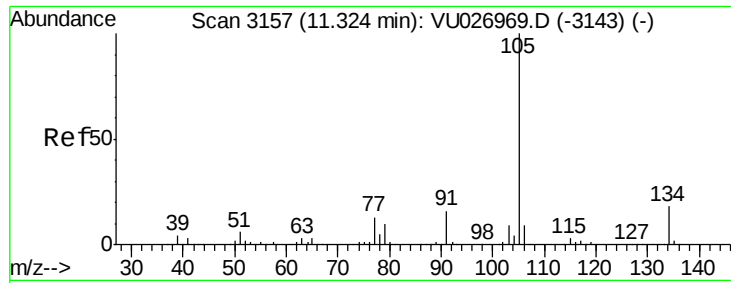
Tgt Ion:	105	Resp:	95903
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.4	67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.520 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 110677

Ion Ratio Lower Upper

105 100

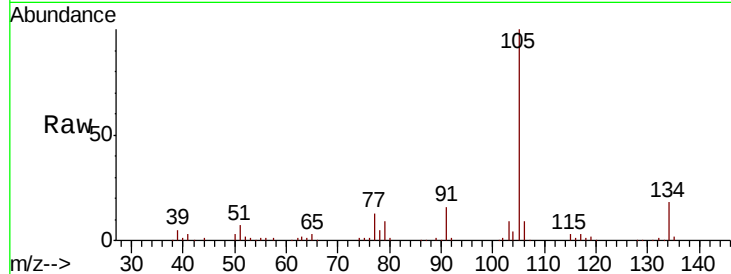
134 18.2 9.4 28.2

Manual Integrations

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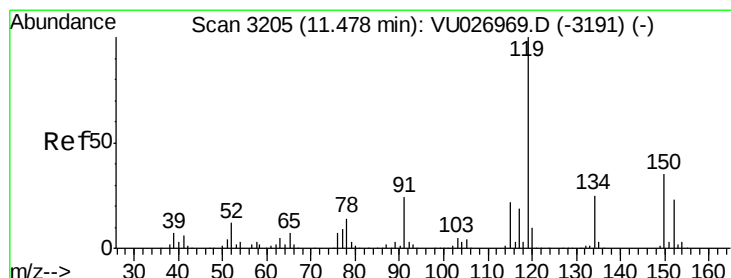
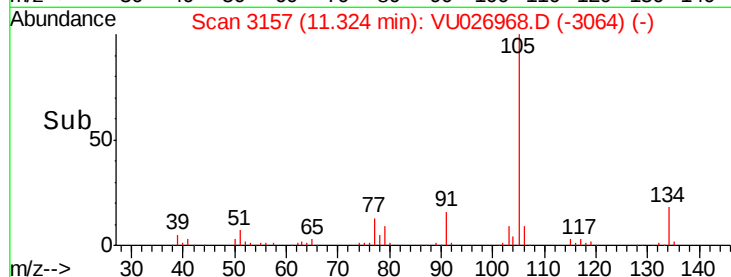
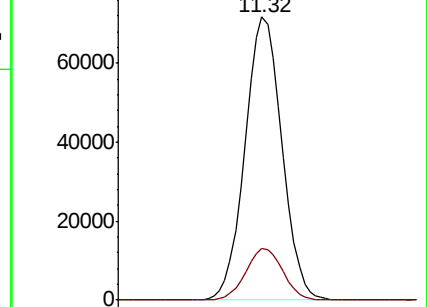
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.769 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU026968.D

Acq: 21 Sep 2018 15:15

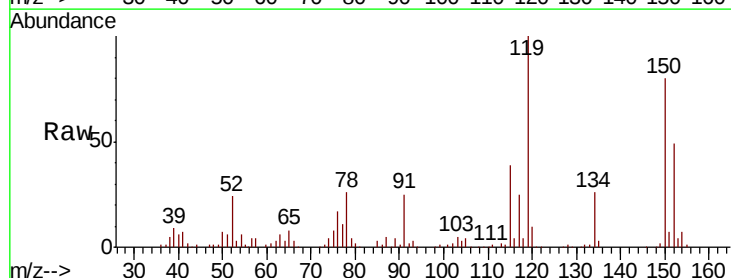
Tgt Ion:119 Resp: 92750

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

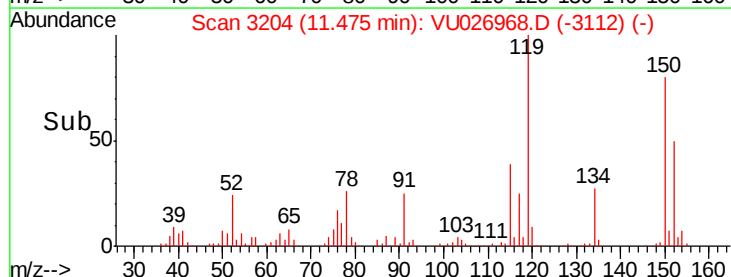
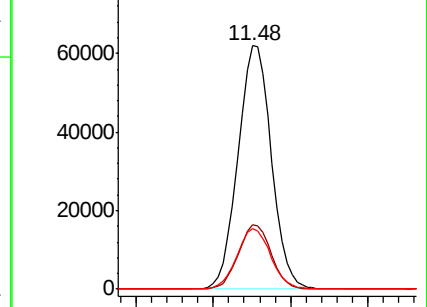
91 25.2 12.3 36.8

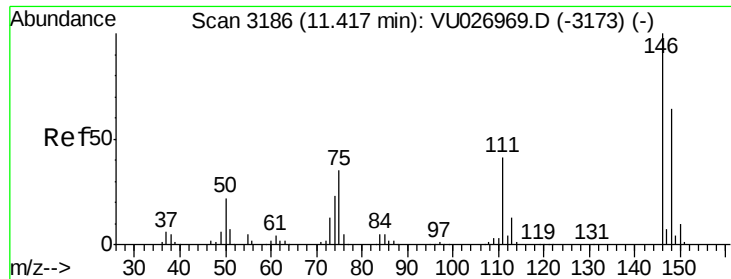


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





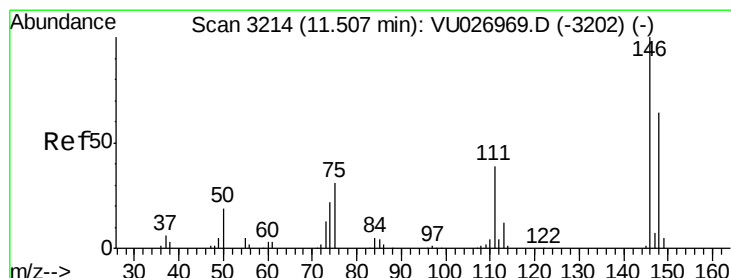
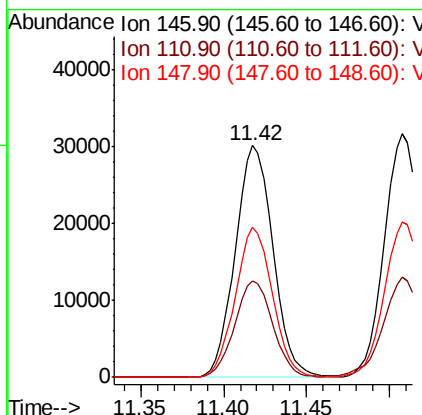
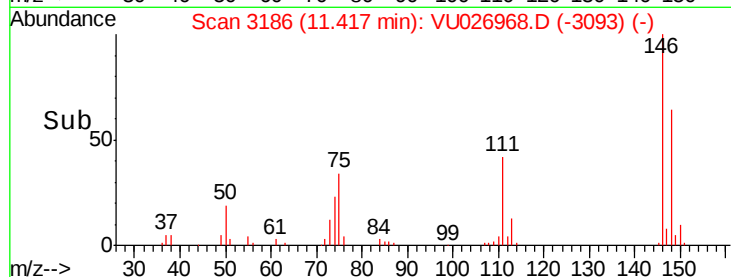
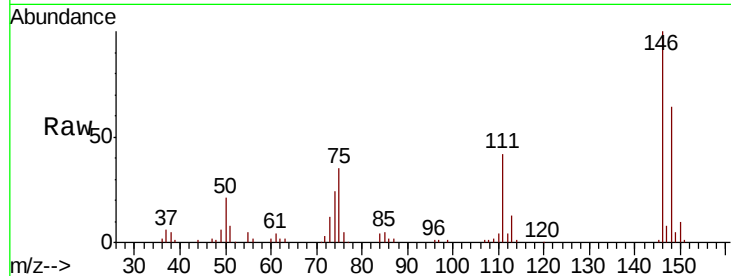
#87
 1,3-Dichlorobenzene
 Concen: 19.733 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.2
148	63.5	32.0	96.2

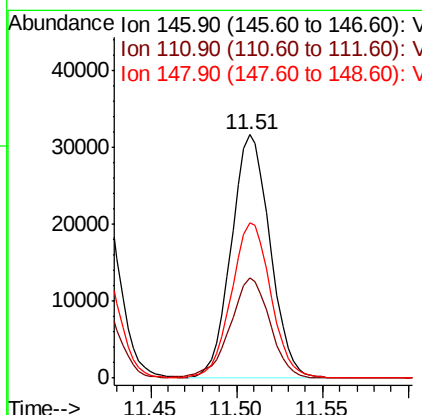
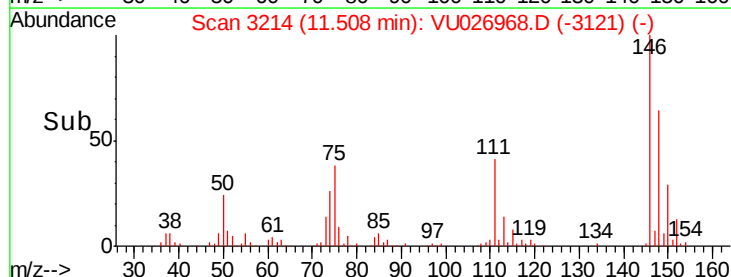
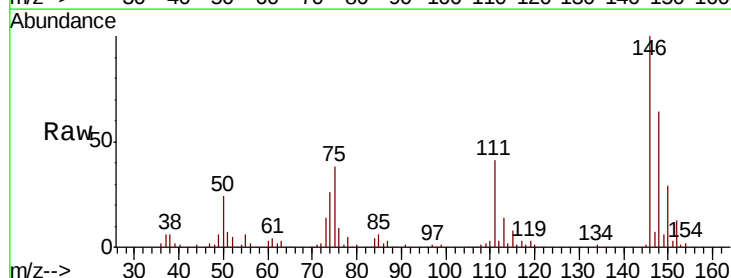
Manual Integrations
 APPROVED

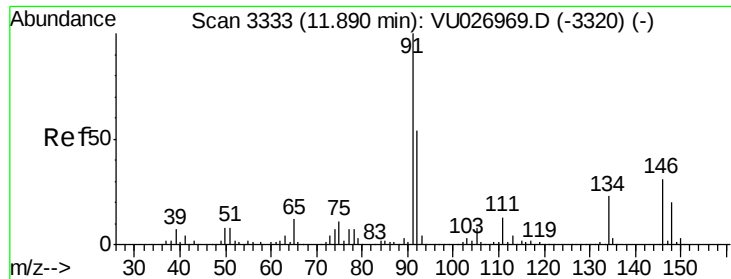
MMDadoda
 9/24/2018 2:14:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.678 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	60.9
148	65.1	31.9	95.9





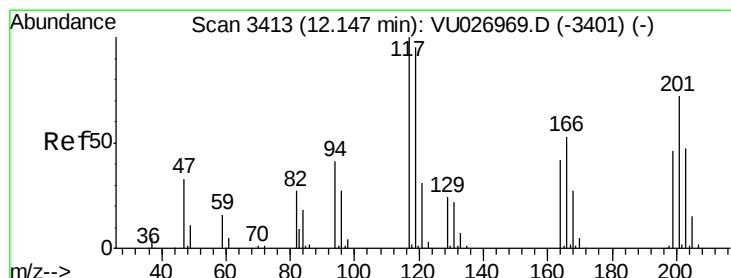
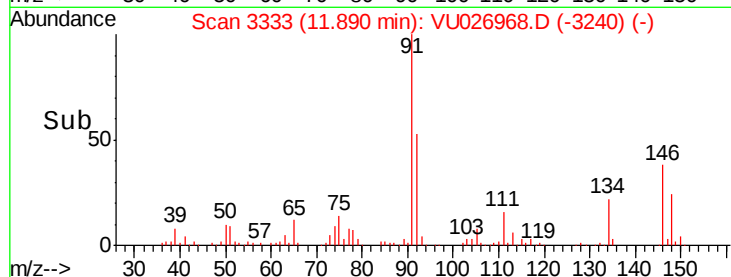
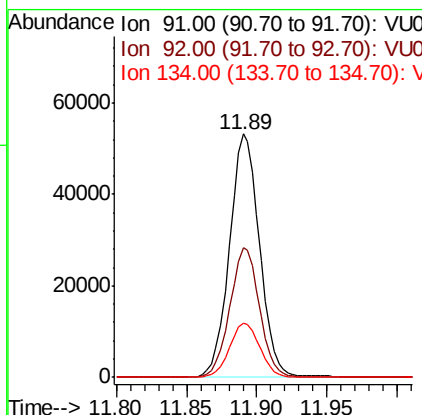
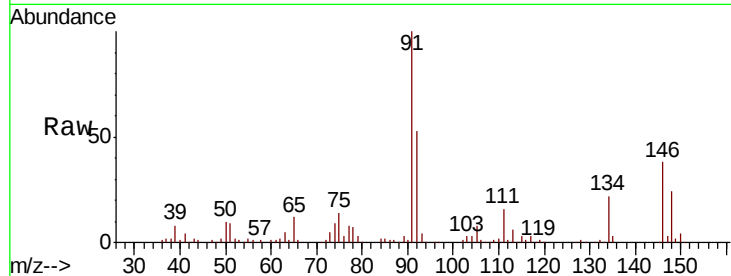
#89
n-Butylbenzene
Concen: 21.067 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.1	81.2
134	22.4	11.7	35.0

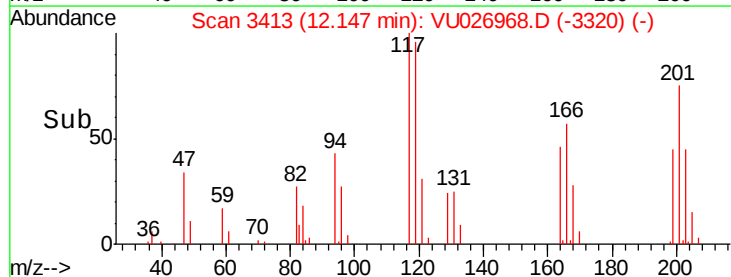
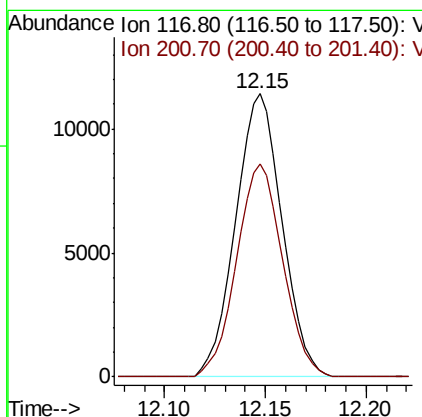
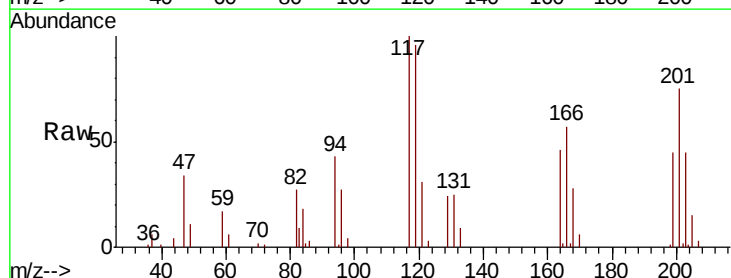
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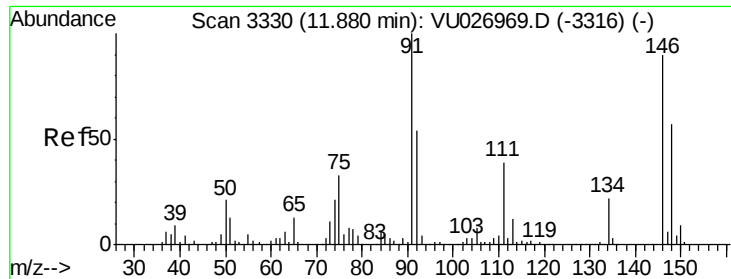
MMDadoda
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#90
Hexachloroethane
Concen: 21.410 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	36.8	110.3





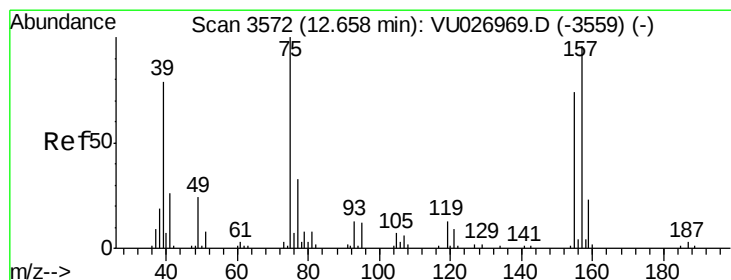
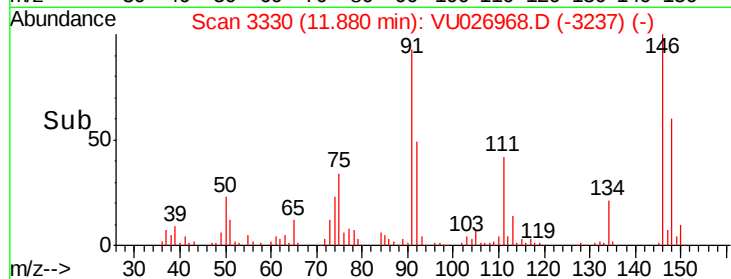
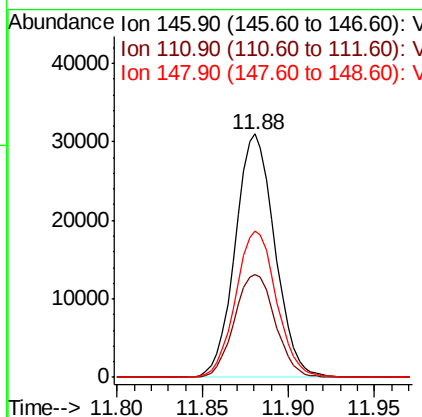
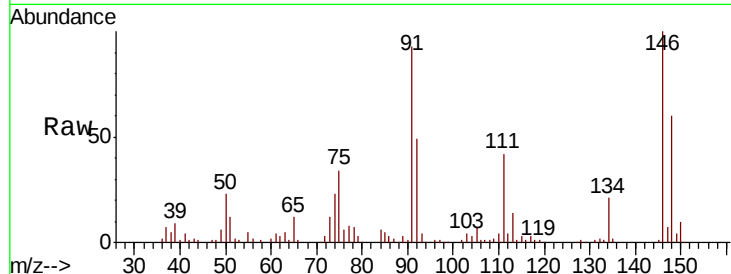
#91
 1,2-Dichlorobenzene
 Concen: 20.424 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	62.2	31.9	95.7

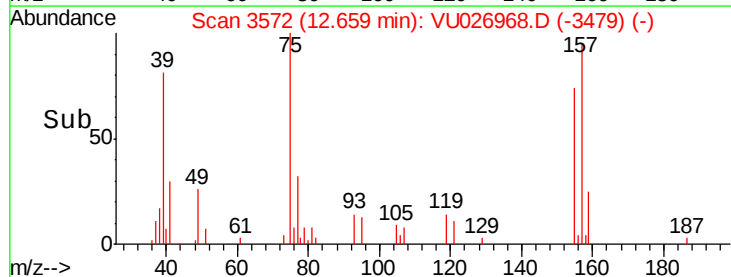
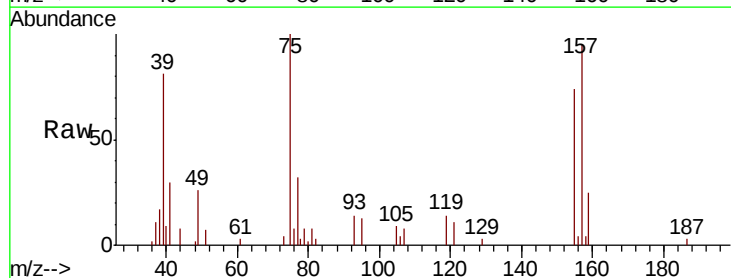
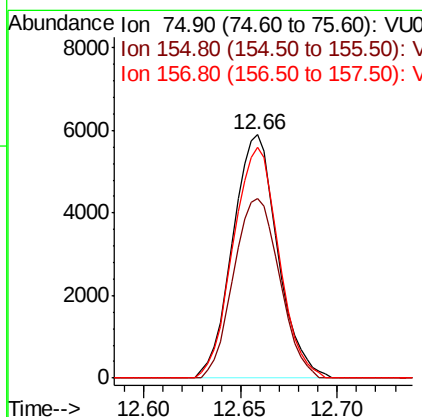
Manual Integrations
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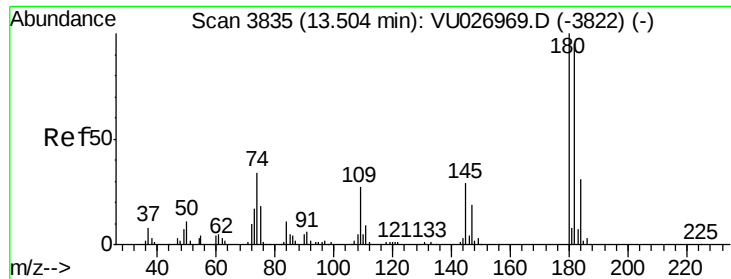
MMDadoda
 9/24/2018 2:14:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.692 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.4	36.6	109.8
157	95.9	47.4	142.2





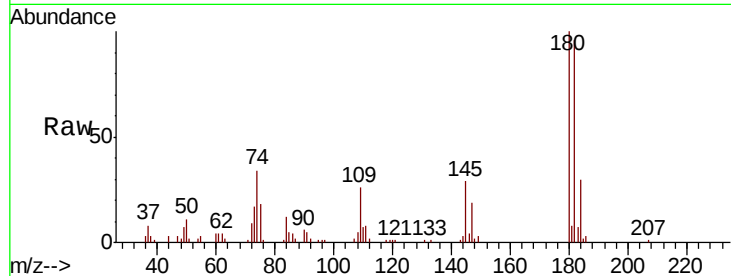
#93
 1,2,4-Trichlorobenzene
 Concen: 17.904 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	29.3	14.9	44.5

Manual Integrations
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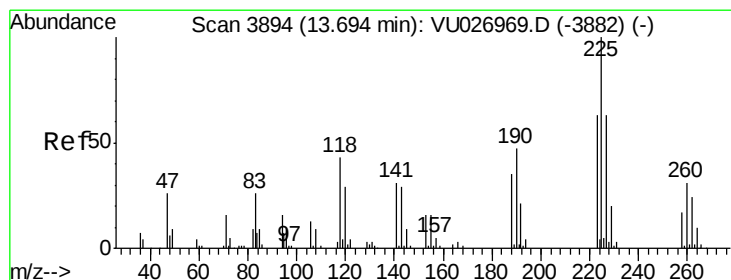
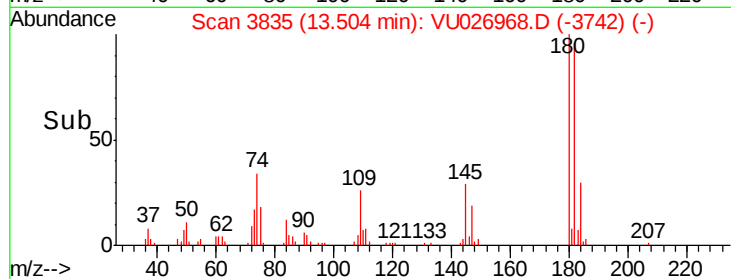
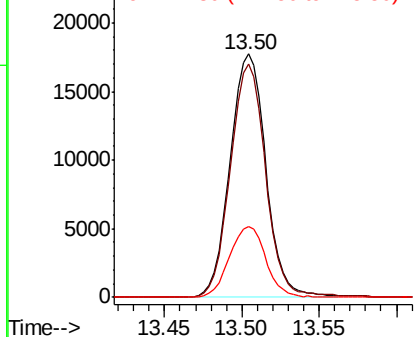


Abundance

Ion 179.80 (179.50 to 180.50): V

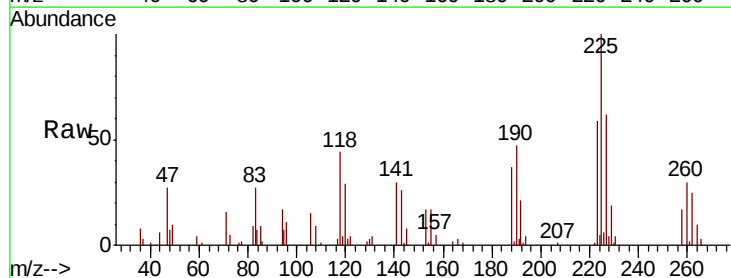
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.855 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU026968.D
 Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.9	95.7
227	63.2	32.1	96.5

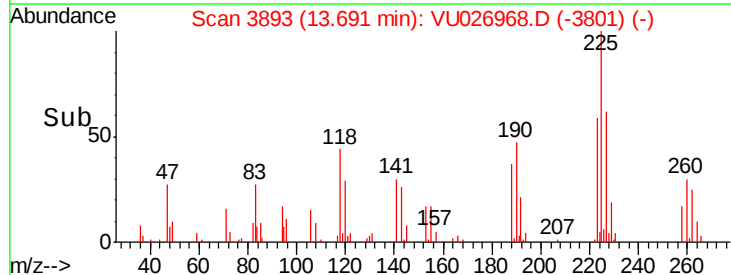
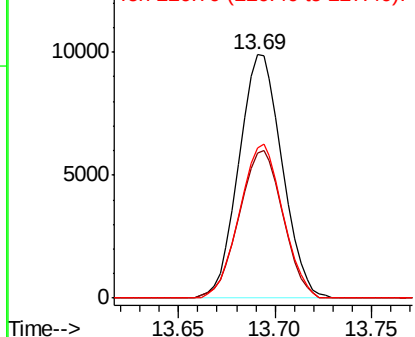


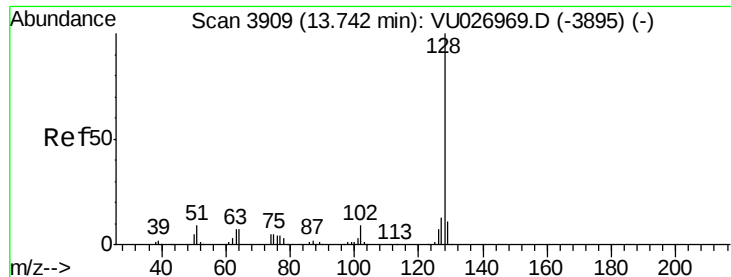
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





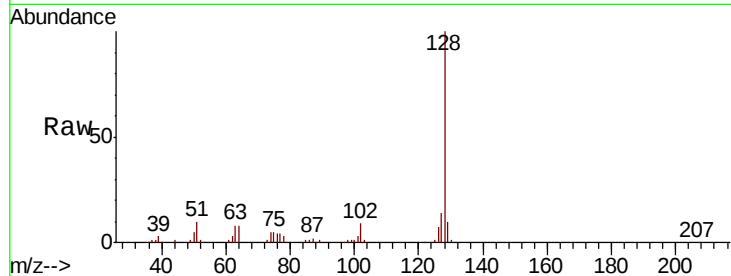
#95
Naphthalene
Concen: 20.078 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	10.6	8.6	12.8

Manual Integrations
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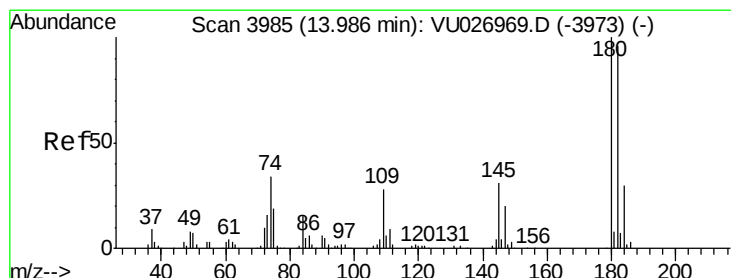
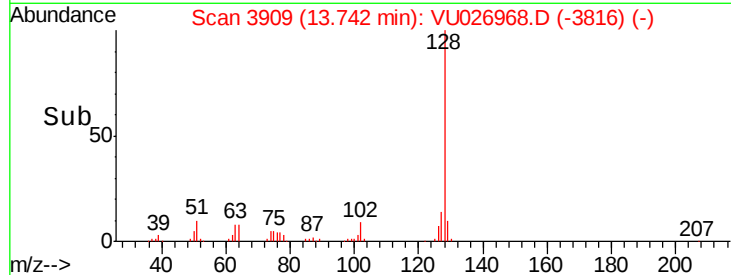
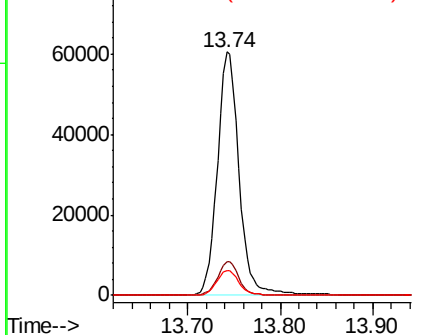


Abundance

Ion 128.00 (127.70 to 128.70): V

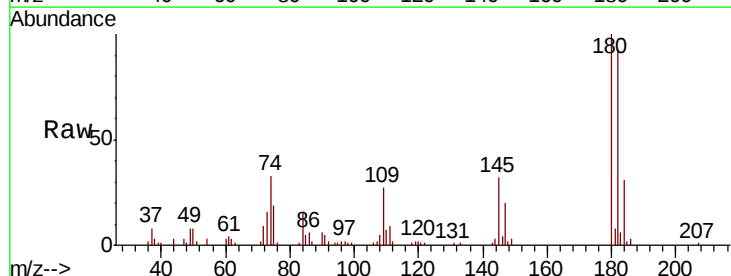
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.919 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU026968.D
Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.5	142.5
145	31.2	15.4	46.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

