

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092218\
 Data File : VU026967.D
 Acq On : 21 Sep 2018 14:51
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:02 PM

Quant Time: Sep 22 01:00:26 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	78396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132995	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61845	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	8765	6.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.82%	
35) Dibromofluoromethane	4.89	113	6180	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	
50) Toluene-d8	7.57	98	22327	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
62) 4-Bromofluorobenzene	10.31	95	6442	4.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	5699	6.519	ug/l	98
3) Chloromethane	1.33	50	9249	7.284	ug/l	100
4) Vinyl Chloride	1.40	62	8647	6.716	ug/l	100
5) Bromomethane	1.61	94	4838	6.125	ug/l	96
6) Chloroethane	1.69	64	6102	7.418	ug/l	99
7) Trichlorofluoromethane	1.88	101	10153	6.192	ug/l	99
8) Diethyl Ether	2.11	74	4616	6.277	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	6182	6.321	ug/l	98
10) Methyl Iodide	2.41	142	6979	8.175	ug/l	97
11) Tert butyl alcohol	2.83	59	9250	30.296	ug/l	98
12) 1,1-Dichloroethene	2.28	96	5622	6.063	ug/l	98
13) Acrolein	2.20	56	3823	19.246	ug/l	99
14) Allyl chloride	2.59	41	11492	6.650	ug/l	99
15) Acrylonitrile	2.94	53	22820	34.143	ug/l	98
16) Acetone	2.32	43	30203	42.375	ug/l	100
17) Carbon Disulfide	2.48	76	17656	5.945	ug/l	100
18) Methyl Acetate	2.62	43	11059	6.990	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	19513	5.998	ug/l	100
20) Methylene Chloride	2.70	84	7516	6.627	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	5767	5.859	ug/l	98
22) Diisopropyl ether	3.57	45	23197	6.410	ug/l #	88
23) Vinyl Acetate	3.53	43	95891	31.214	ug/l	100
24) 1,1-Dichloroethane	3.45	63	13907	6.901	ug/l	98
25) 2-Butanone	4.27	43	35007	35.993	ug/l	98
26) 2,2-Dichloropropane	4.23	77	10898	6.658	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	6668	5.916	ug/l	99
28) Bromochloromethane	4.55	49	6648	6.847	ug/l #	99
29) Tetrahydrofuran	4.64	42	19211	32.447	ug/l	99
30) Chloroform	4.68	83	12614	6.437	ug/l	92
31) Cyclohexane	4.99	56	13066	6.287	ug/l #	85
32) 1,1,1-Trichloroethane	4.92	97	10256	6.373	ug/l	99
36) 1,1-Dichloropropene	5.14	75	8764	5.707	ug/l	97
37) Ethyl Acetate	4.39	43	11242	5.927	ug/l	99
38) Carbon Tetrachloride	5.14	117	8910	5.577	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	8438	4.665	ug/l	96
40) Benzene	5.39	78	27562	5.803	ug/l	92
41) Methacrylonitrile	4.55	41	5999	6.070	ug/l	99
42) 1,2-Dichloroethane	5.41	62	10518	6.108	ug/l	99
43) Isopropyl Acetate	5.55	43	16918	5.904	ug/l	98
44) Trichloroethene	6.19	130	5854	5.098	ug/l	98
45) 1,2-Dichloropropane	6.44	63	8090	6.208	ug/l	97
46) Dibromomethane	6.57	93	4896	5.920	ug/l	96
47) Bromodichloromethane	6.76	83	9662	5.899	ug/l	98
48) Methyl methacrylate	6.63	41	7746	5.456	ug/l	99
49) 1,4-Dioxane	6.62	88	3364	105.441	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	55717	28.827	ug/l	99
52) Toluene	7.64	92	14661	5.166	ug/l	94
53) t-1,3-Dichloropropene	7.88	75	9098	4.981	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	10464	5.314	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	6842	5.668	ug/l	99
56) Ethyl methacrylate	8.02	69	8326	4.681	ug/l	99
57) 1,3-Dichloropropane	8.25	76	12247	5.847	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	22558	24.743	ug/l	99
59) 2-Hexanone	8.37	43	42541	28.123	ug/l	94
60) Dibromochloromethane	8.48	129	6172	4.821	ug/l	97
61) 1,2-Dibromoethane	8.59	107	7018	5.380	ug/l	99
64) Tetrachloroethene	8.23	164	4987	4.975	ug/l	92
65) Chlorobenzene	9.12	112	17445	5.499	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	6169	5.308	ug/l	98
67) Ethyl Benzene	9.25	91	24765	4.692	ug/l	99
68) m/p-Xylenes	9.38	106	18314	9.177	ug/l	96
69) o-Xylene	9.78	106	8904	4.600	ug/l	96
70) Styrene	9.79	104	13171	4.151	ug/l	99
71) Bromoform	9.96	173	4498	4.547	ug/l #	96
73) Isopropylbenzene	10.17	105	22743	5.268	ug/l	98
74) N-amyl acetate	10.02	43	12531	5.952	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	12101	6.800	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	10687m	7.381	ug/l	
77) Bromobenzene	10.46	156	5746	4.997	ug/l	95
78) n-propylbenzene	10.59	91	25289	5.007	ug/l	99
79) 2-Chlorotoluene	10.66	91	17499	5.599	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	17917	4.946	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	2742m	5.534	ug/l	
82) 4-Chlorotoluene	10.77	91	19361	5.516	ug/l	98
83) tert-Butylbenzene	11.10	119	18009	4.944	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	17911	4.893	ug/l	99
85) sec-Butylbenzene	11.32	105	21538	4.942	ug/l	99
86) p-Isopropyltoluene	11.48	119	17308	4.581	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	10721	4.995	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	11415	5.111	ug/l	94
89) n-Butylbenzene	11.89	91	14981	4.485	ug/l	93
90) Hexachloroethane	12.15	117	4316	5.657	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	11256	5.218	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2356	6.605	ug/l	94

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ClientSampleId :
VSTDICC005

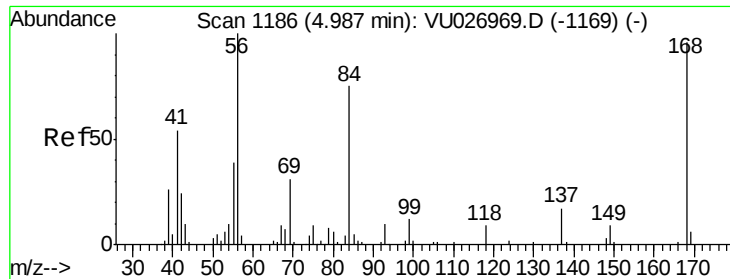
Manual Integrations
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9/24/2018 2:14:02 PM

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QLast Update : Sat Sep 22 00:44:52 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	5390	3.822	ug/l	97
94) Hexachlorobutadiene	13.69	225	3534	4.874	ug/l	98
95) Naphthalene	13.75	128	17279	3.960	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	6127	4.139	ug/l	98

(#) = 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: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 78396

Ion Ratio Lower Upper

168 100

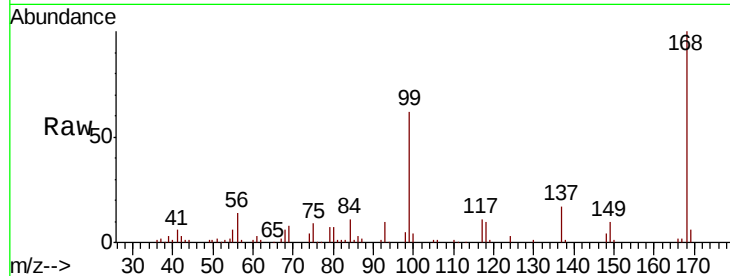
99 60.9 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

30000

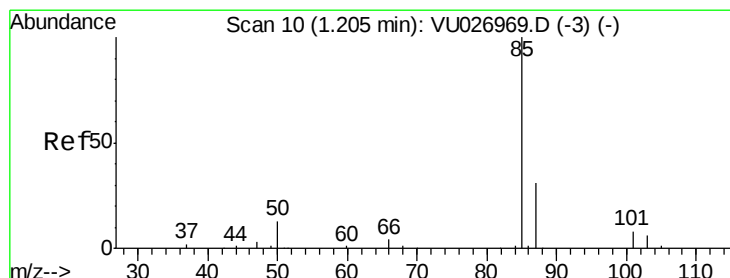
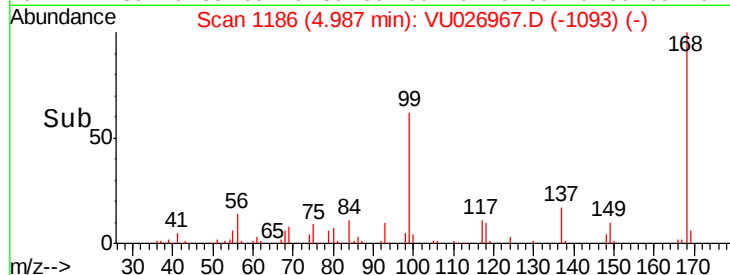
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 6.519 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026967.D

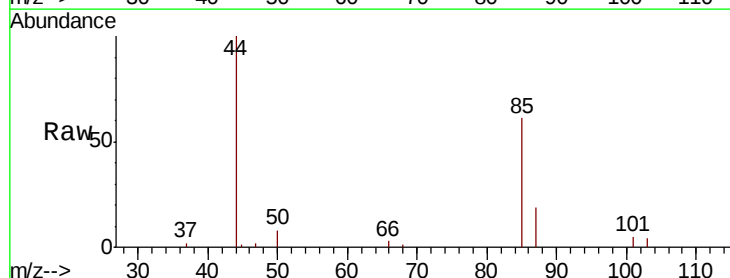
Acq: 21 Sep 2018 14:51

Tgt Ion: 85 Resp: 5699

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

6000

5000

4000

3000

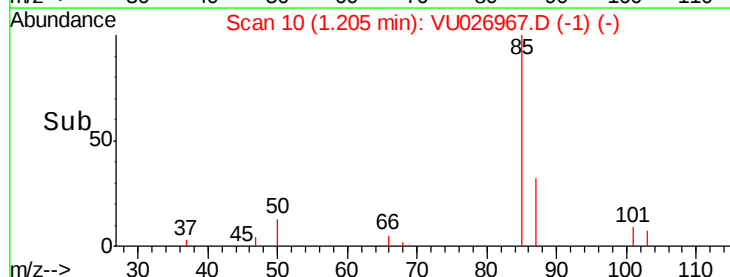
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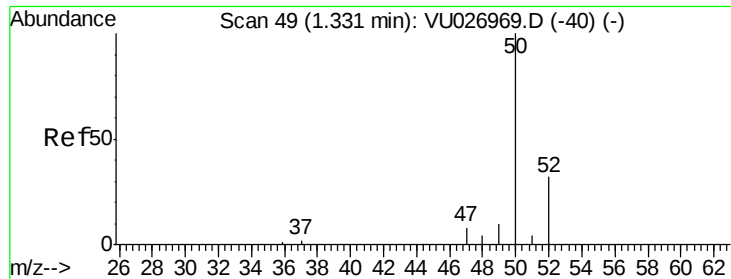
1000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 7.284 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9249

Ion Ratio Lower Upper

50 100

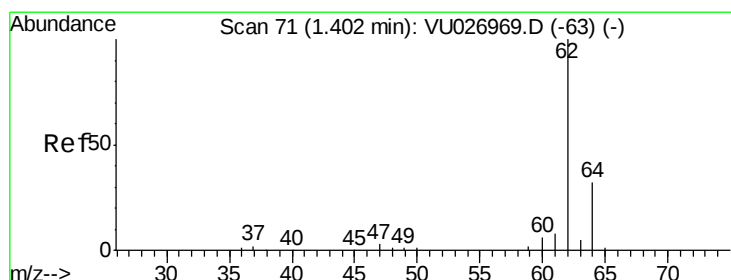
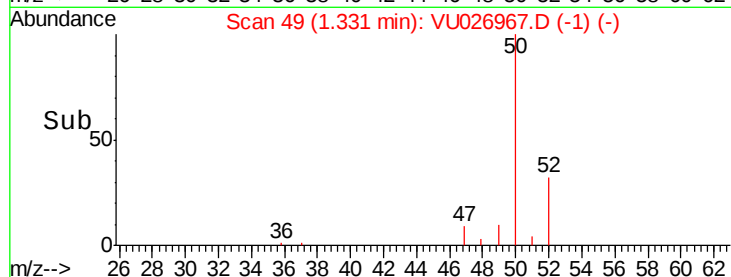
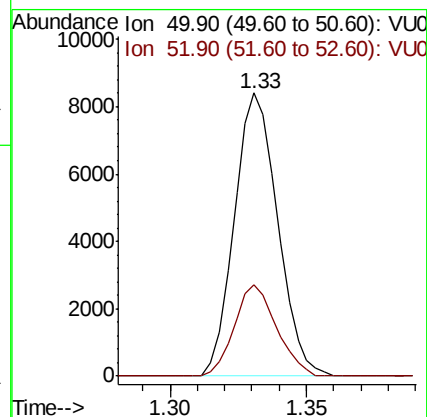
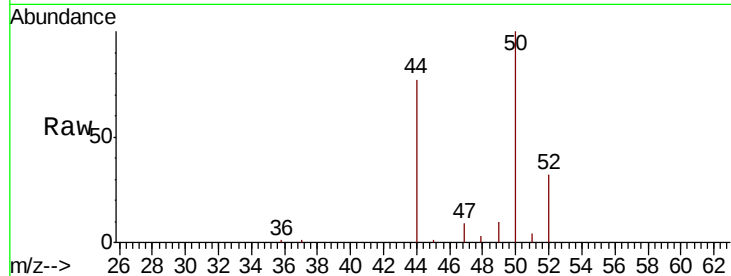
52 32.1 25.9 38.9

Manual Integrations

APPROVED

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9/24/2018 2:14:02 PM



#4

Vinyl Chloride

Concen: 6.716 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU026967.D

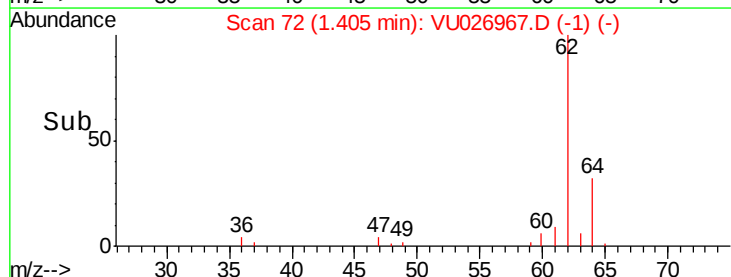
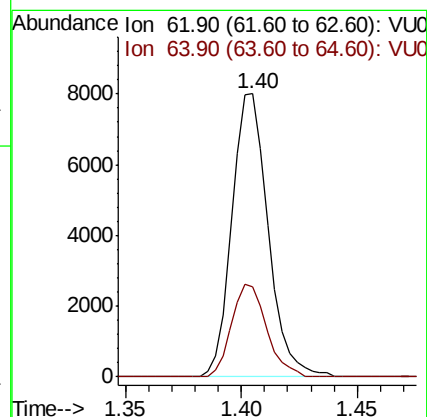
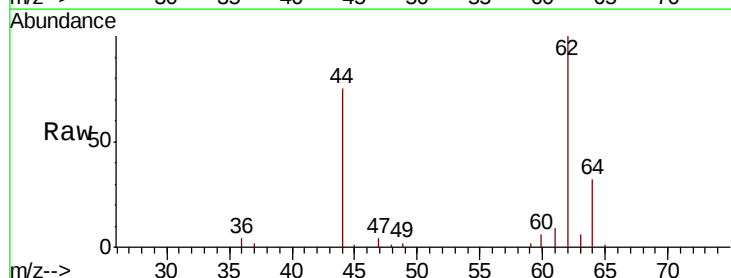
Acq: 21 Sep 2018 14:51

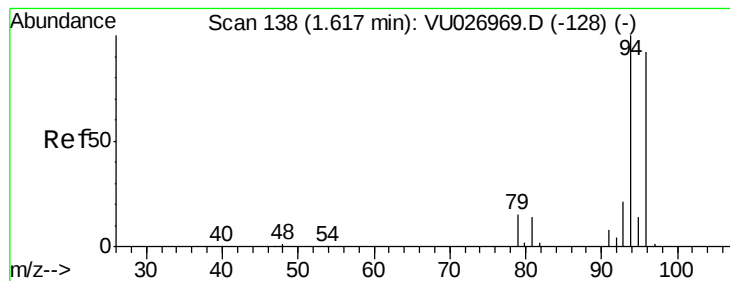
Tgt Ion: 62 Resp: 8647

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 6.125 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 4838

Ion Ratio Lower Upper

94 100

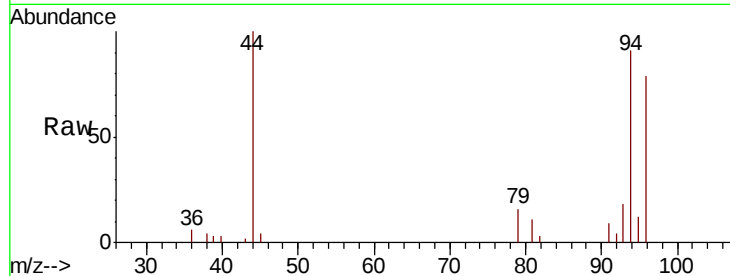
96 87.8 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

4000

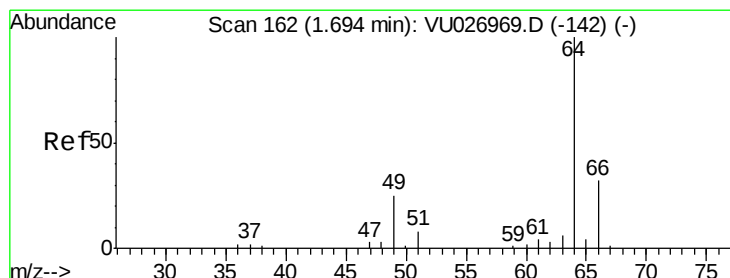
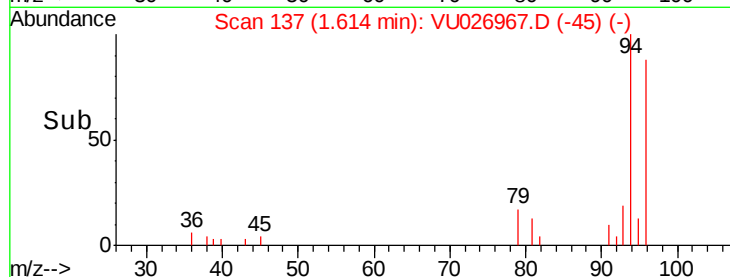
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 7.418 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU026967.D

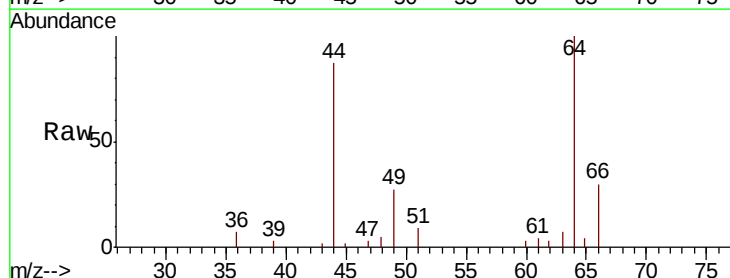
Acq: 21 Sep 2018 14:51

Tgt Ion: 64 Resp: 6102

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

5000

4000

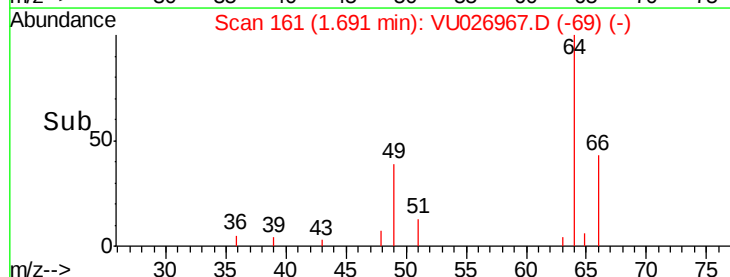
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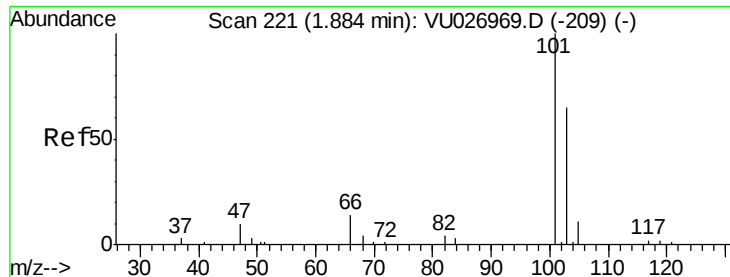
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1000

0

Time-->





#7

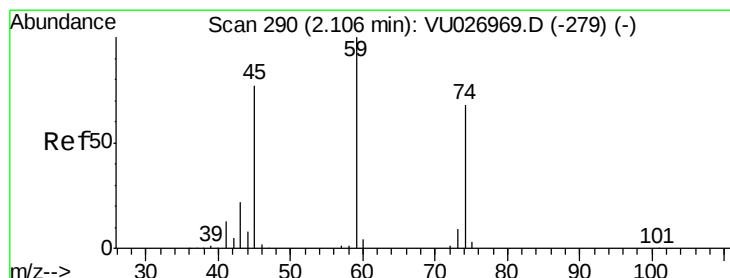
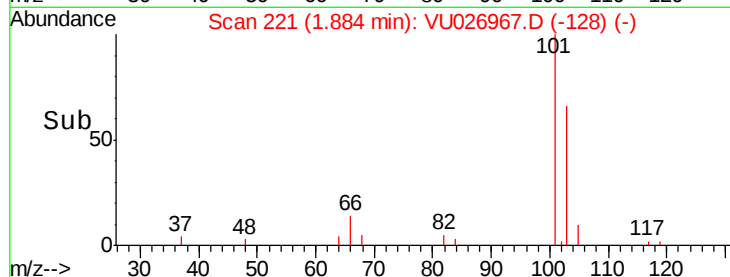
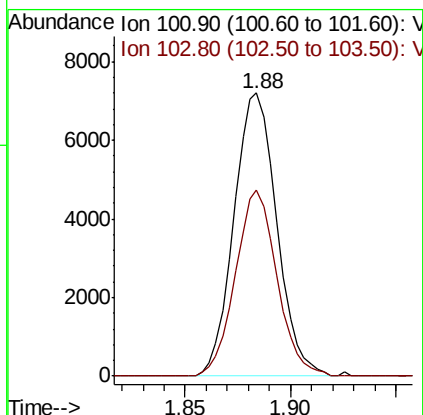
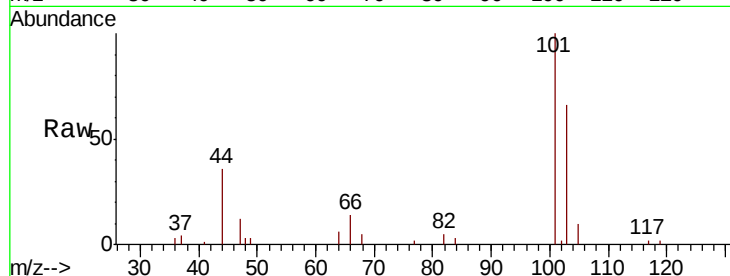
Trichlorofluoromethane
Concen: 6.192 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.2	78.2

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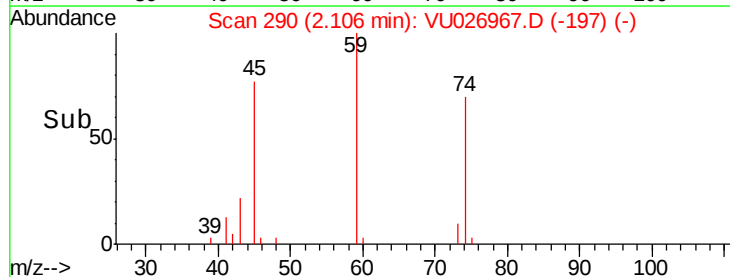
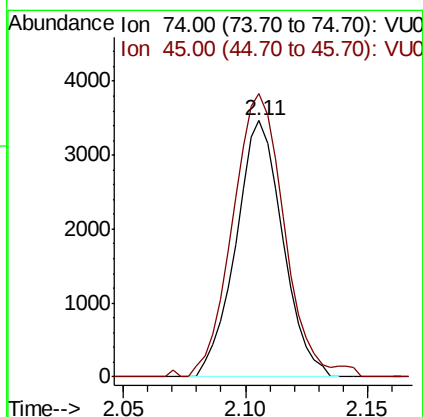
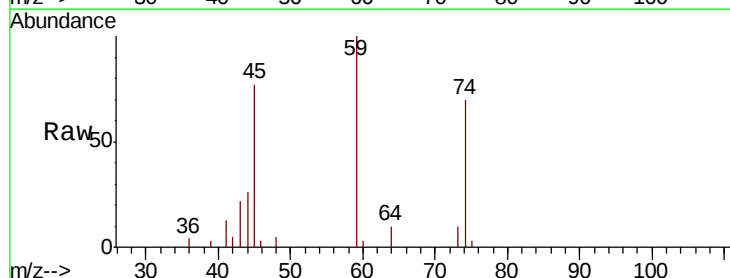
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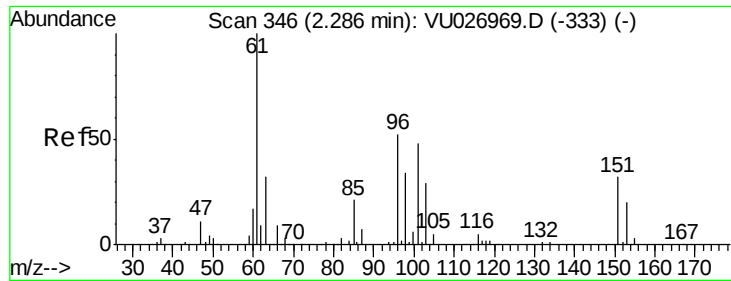


#8

Diethyl Ether
Concen: 6.277 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.2	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.321 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

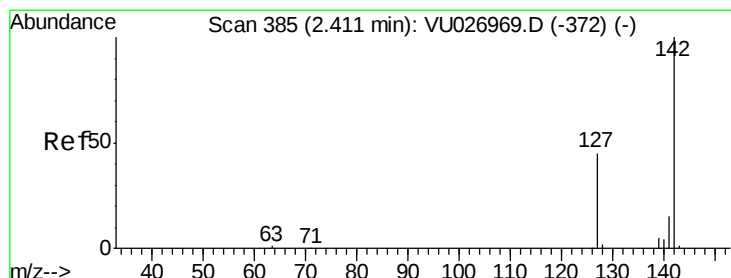
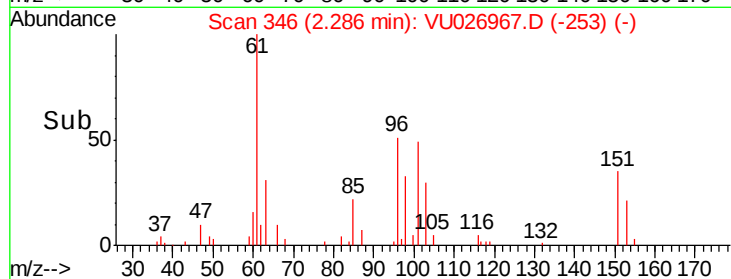
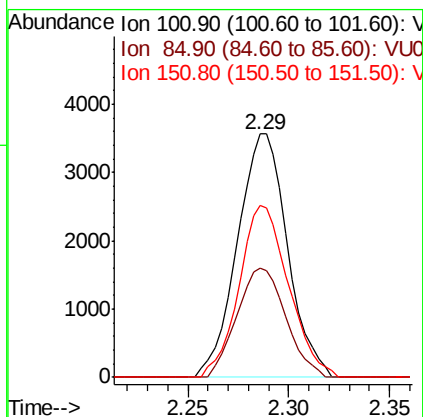
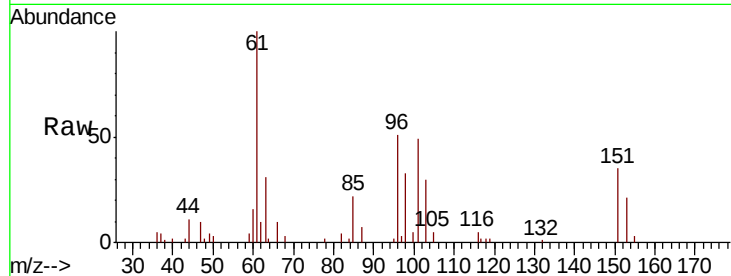
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	6182
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.2	54.2
151	69.7	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 8.175 ug/l

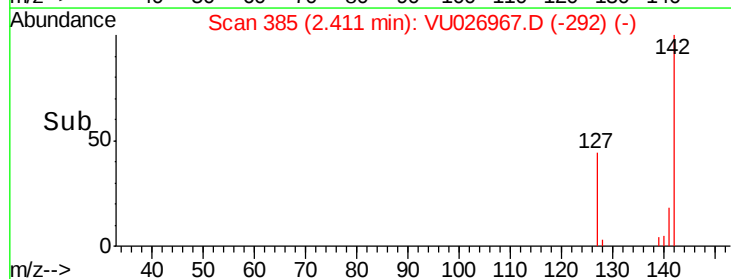
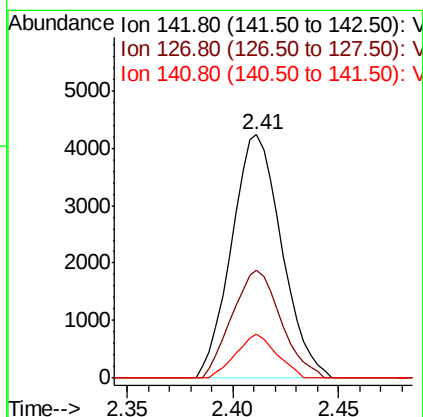
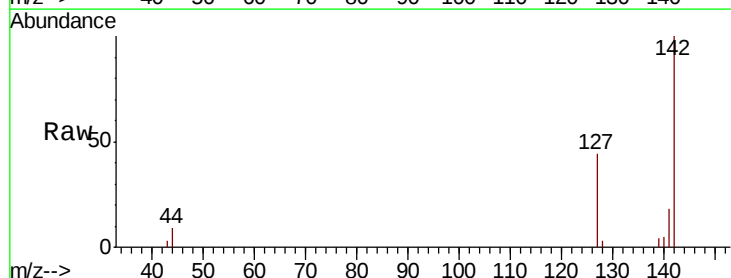
RT: 2.41 min Scan# 385

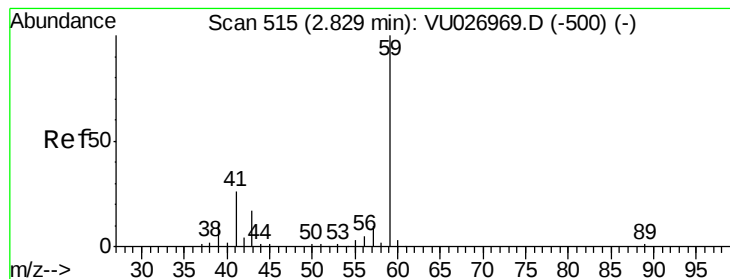
Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion:	142	Resp:	6979
Ion Ratio	Lower	Upper	
142	100		
127	43.4	36.7	55.1
141	14.8	11.8	17.6





#11

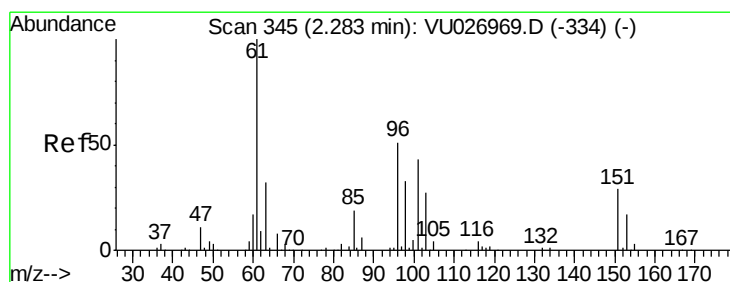
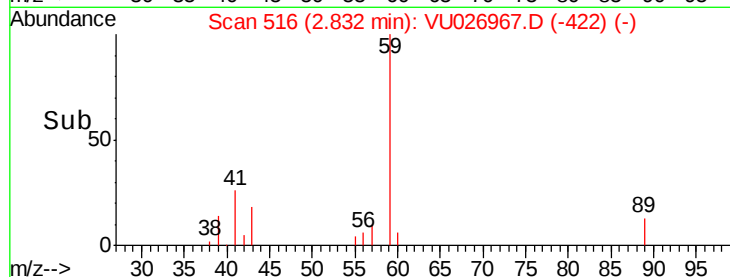
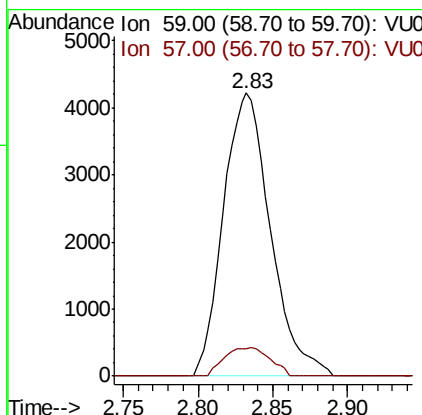
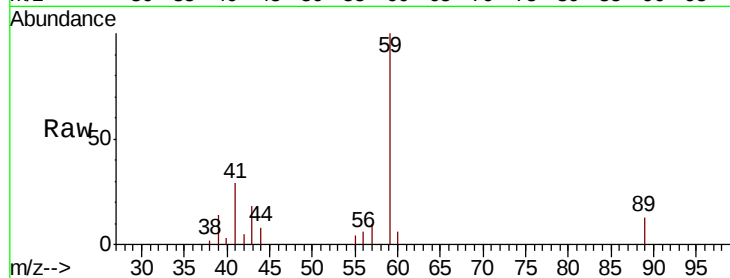
Tert butyl alcohol
 Concen: 30.296 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

Manual Integrations
 APPROVED

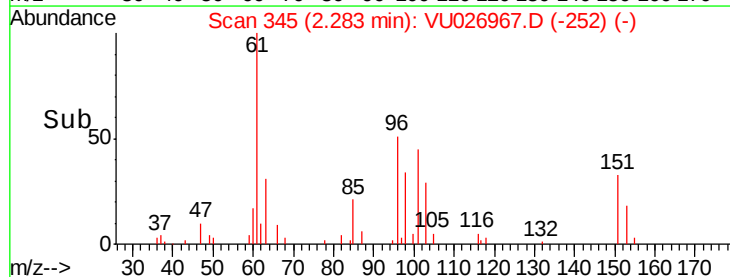
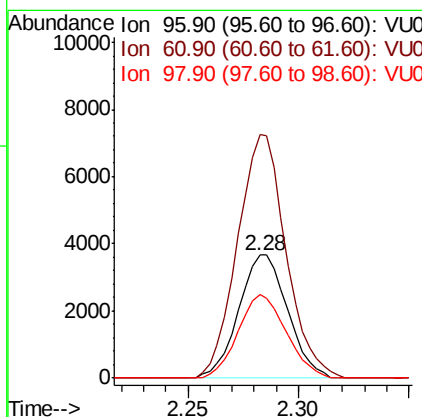
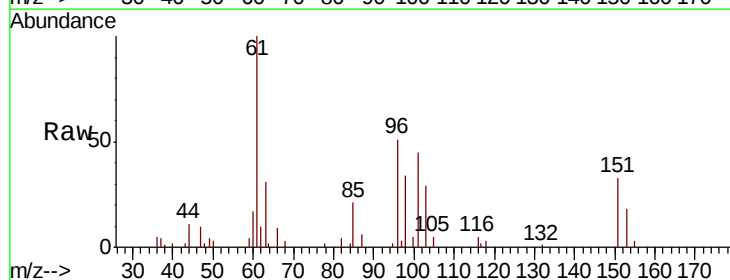
MMDadoda
 9/24/2018 2:14:02 PM

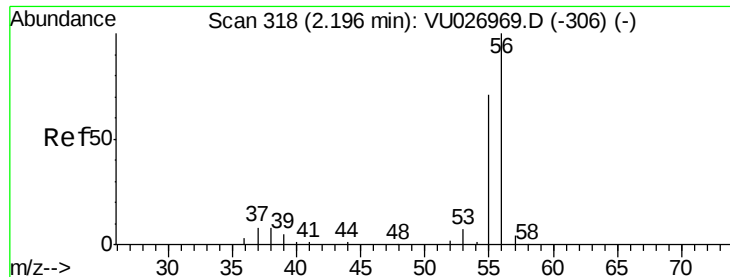


#12

1,1-Dichloroethene
 Concen: 6.063 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.7	156.1	234.1
98	67.4	51.4	77.0





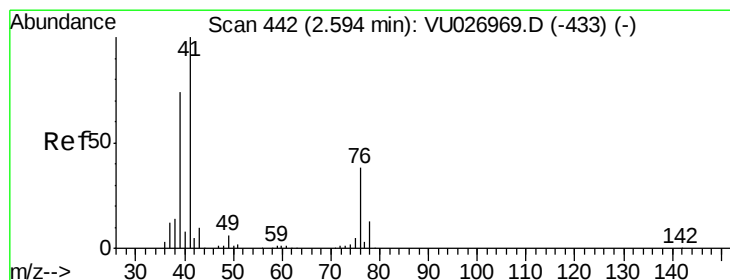
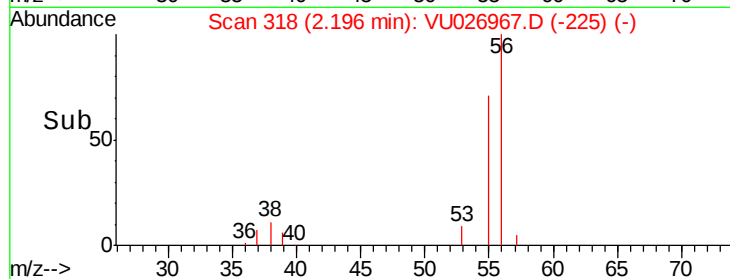
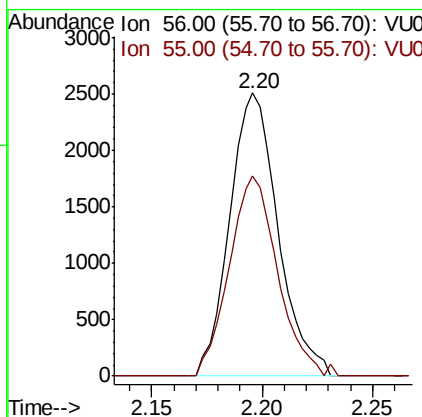
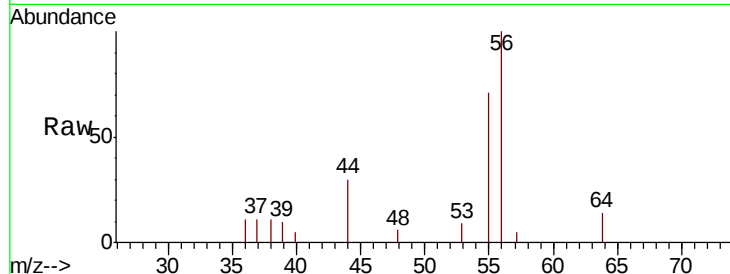
#13
Acrolein
Concen: 19.246 ug/l
RT: 2.20 min Scan# 318
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	56	55	Ratio	100	70.6	Resp	3823	Lower	Upper
56	100								
55		70.6				57.1		85.7	

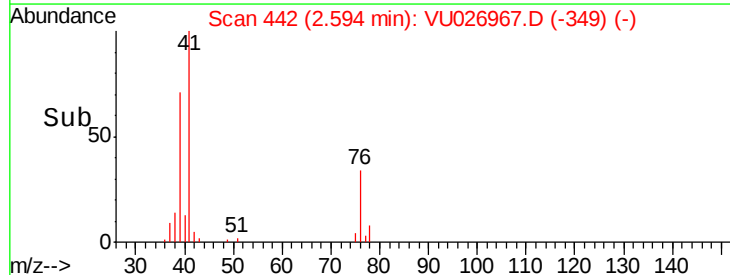
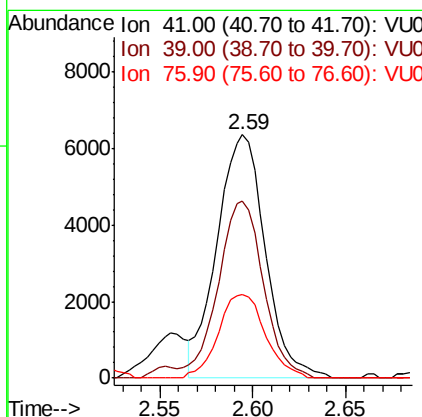
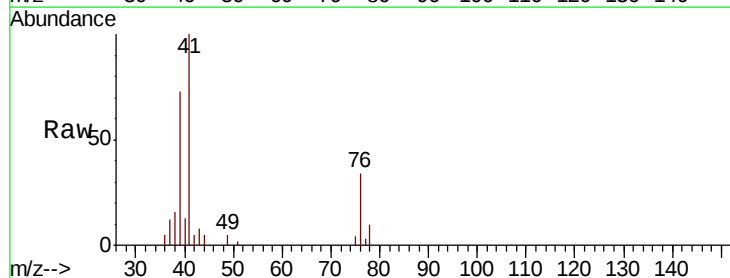
Manual Integrations
APPROVED

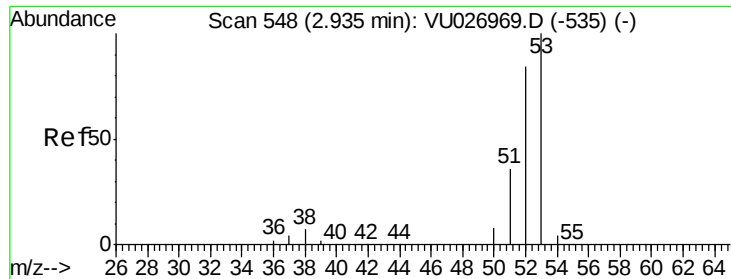
MMDadoda
9/24/2018 2:14:02 PM



#14
Allyl chloride
Concen: 6.650 ug/l
RT: 2.59 min Scan# 442
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	41	39	76	Ratio	100	68.7	33.3	Resp	11492	Lower	Upper
41	100										
39		68.7						55.7		83.5	
76			33.3					26.5		39.7	





#15

Acrylonitrile

Concen: 34.143 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

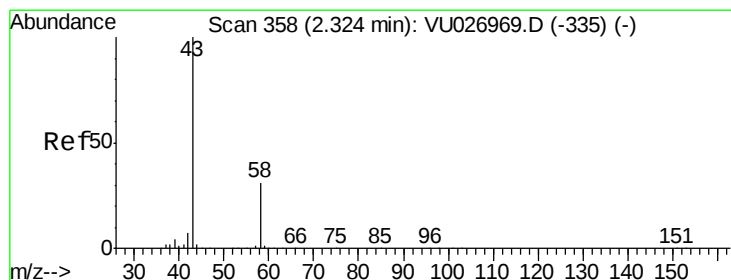
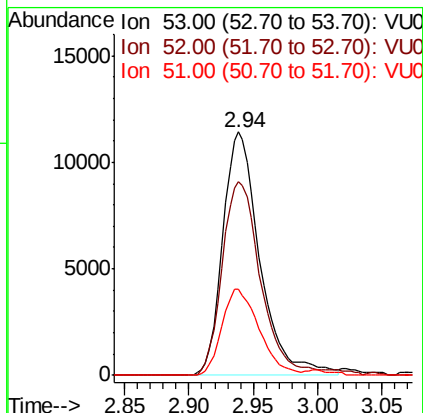
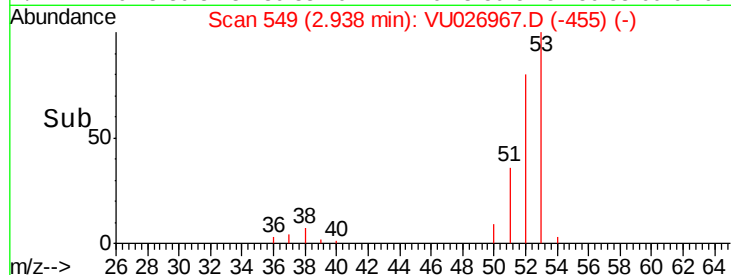
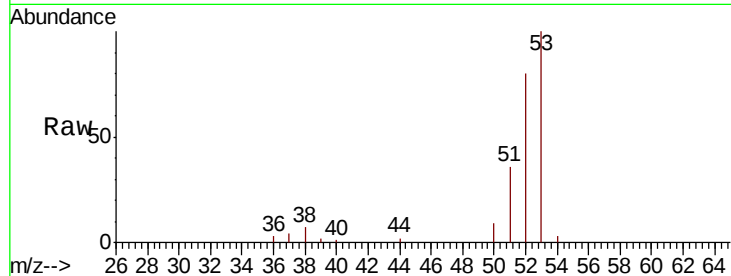
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	22820
Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.7	98.5
51	35.6	27.4	41.2

Manual Integrations
APPROVED

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#16

Acetone

Concen: 42.375 ug/l

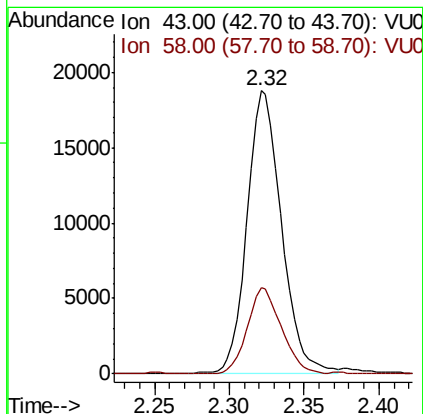
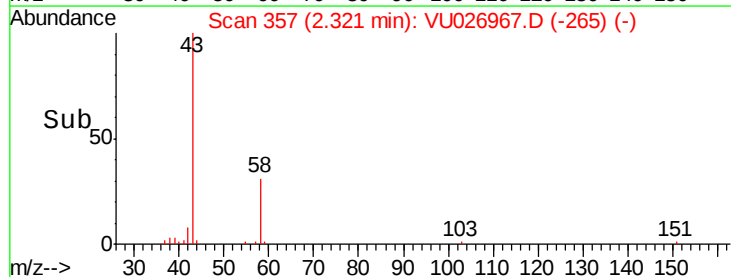
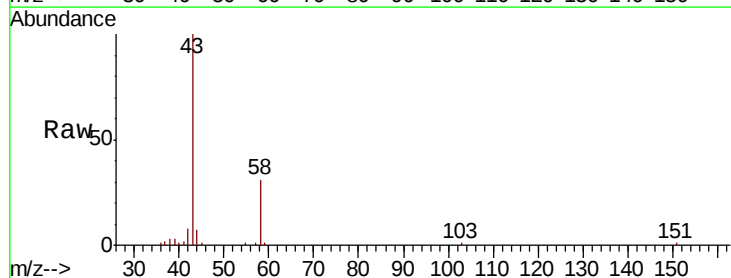
RT: 2.32 min Scan# 357

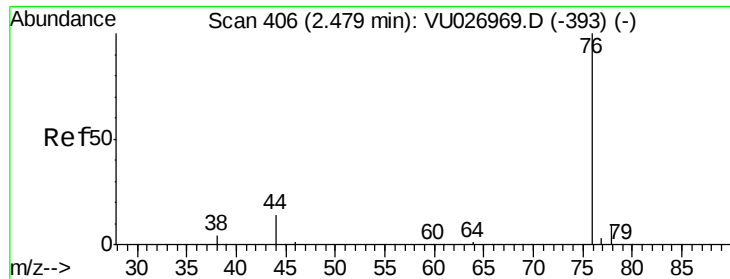
Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion:	43	Resp:	30203
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8





#17

Carbon Disulfide

Concen: 5.945 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 17656

Ion Ratio Lower Upper

76 100

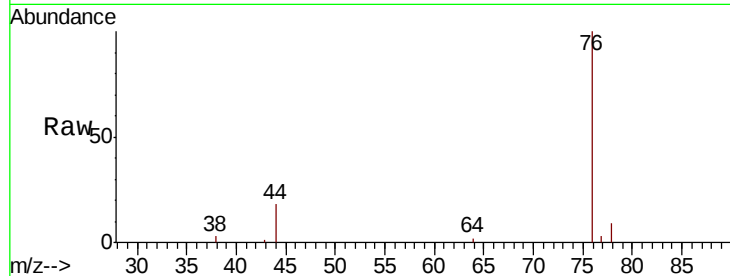
78 8.9 7.1 10.7

Manual Integrations

APPROVED

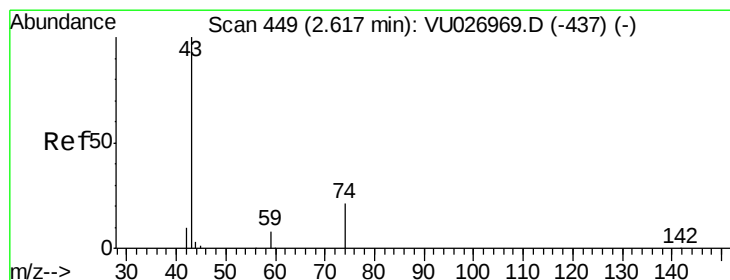
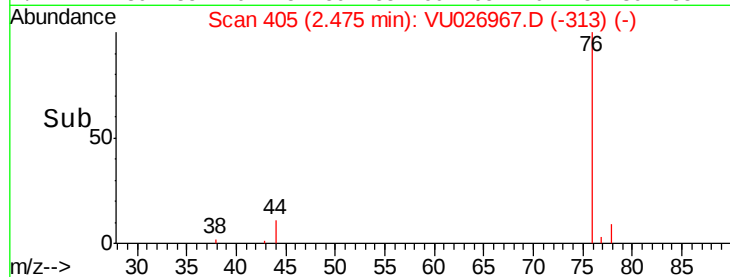
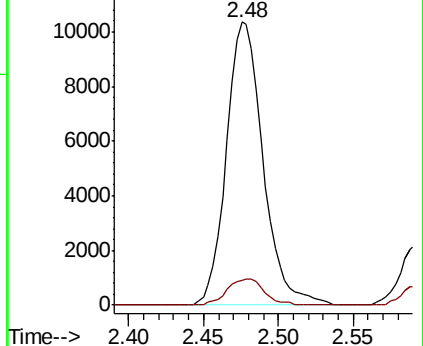
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9/24/2018 2:14:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VU026967.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU026967.D (-313) (-)



#18

Methyl Acetate

Concen: 6.990 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU026967.D

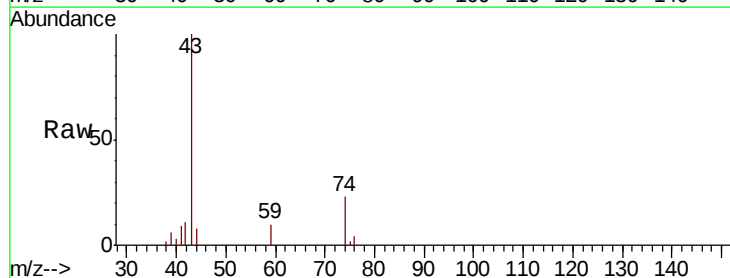
Acq: 21 Sep 2018 14:51

Tgt Ion: 43 Resp: 11059

Ion Ratio Lower Upper

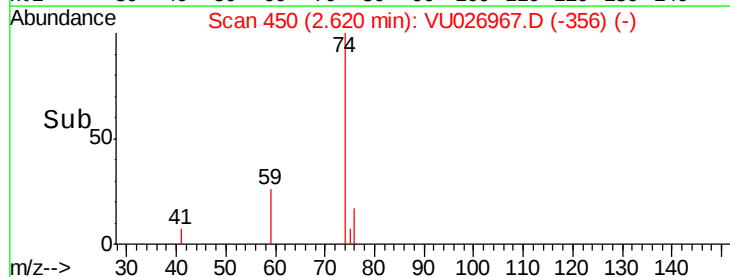
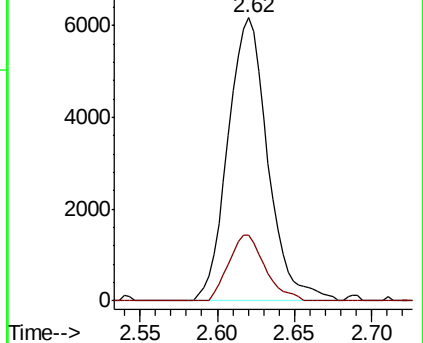
43 100

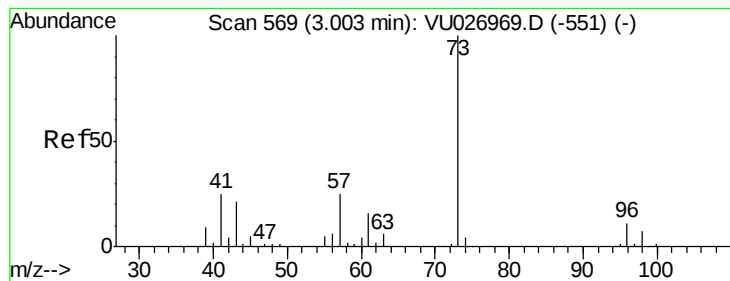
74 21.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU026967.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU026967.D (-356) (-)





#19

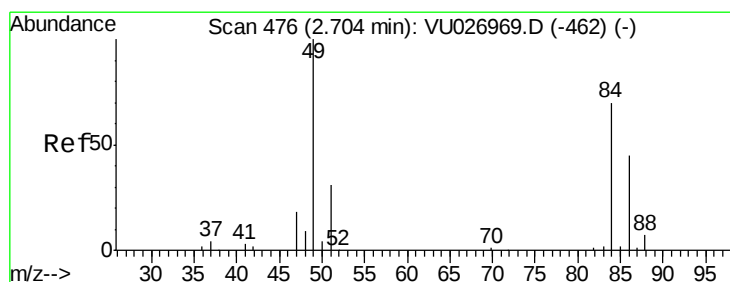
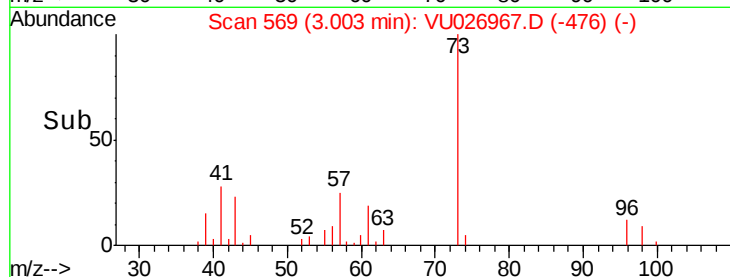
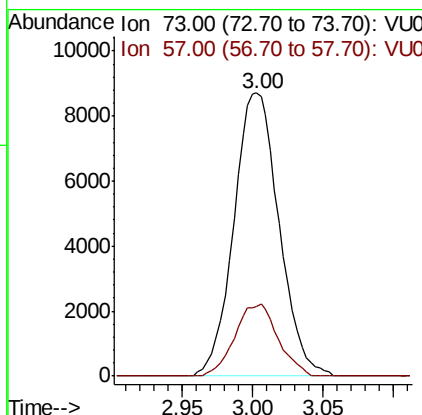
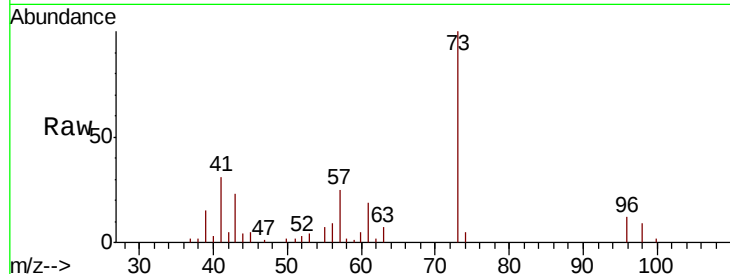
Methyl tert-butyl Ether
 Concen: 5.998 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.8	29.6

Manual Integrations
 APPROVED

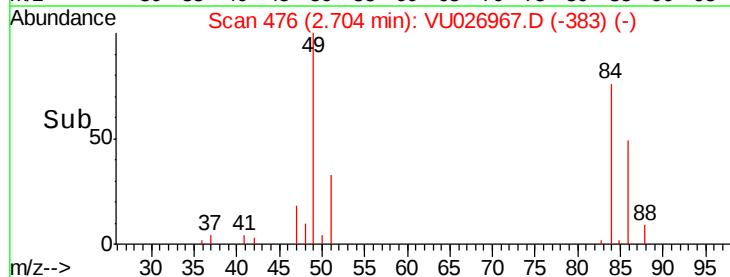
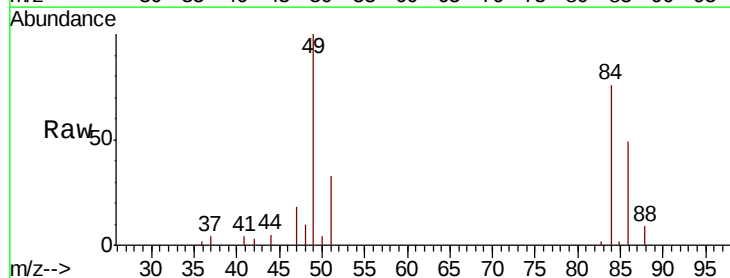
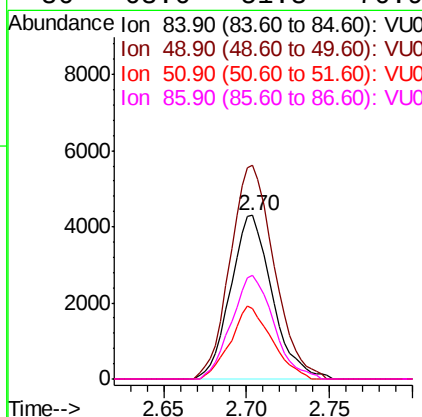
MMDadoda
 9/24/2018 2:14:02 PM

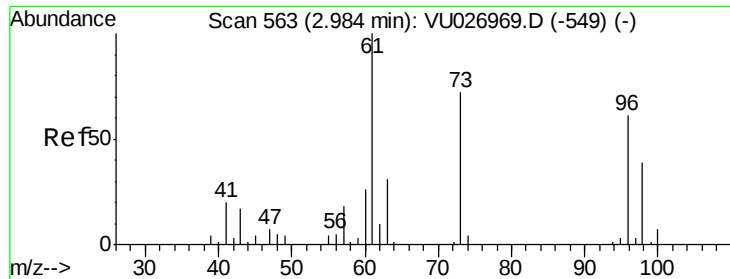


#20

Methylene Chloride
 Concen: 6.627 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.7	114.9	172.3
51	43.0	35.8	53.8
86	63.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 5.859 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 5767

Ion Ratio Lower Upper

96 100

61 160.9 131.8 197.6

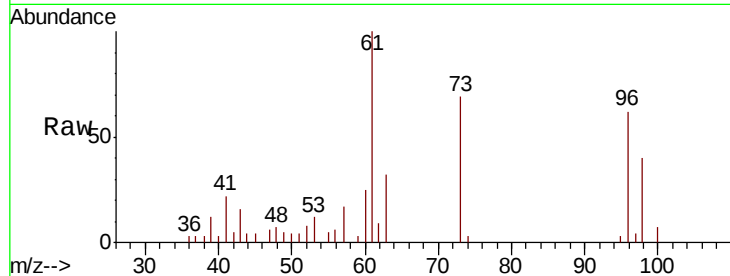
98 64.6 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

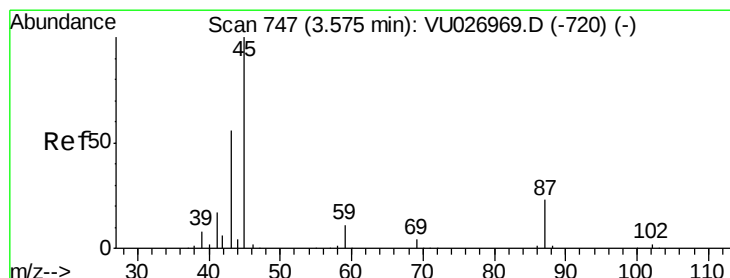
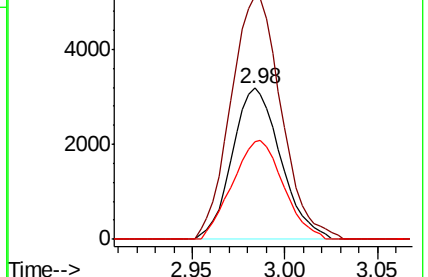
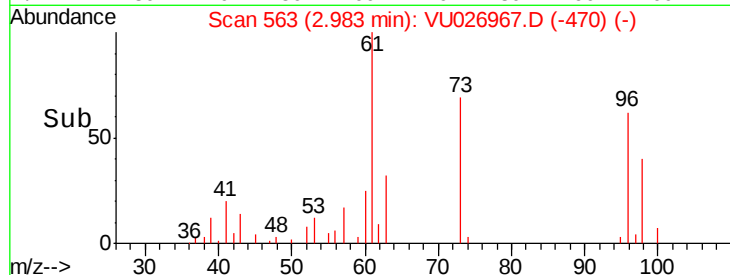
9/24/2018 2:14:02 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026967.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU026967.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU026967.D (-470) (-)



#22

Diisopropyl ether

Concen: 6.410 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion: 45 Resp: 23197

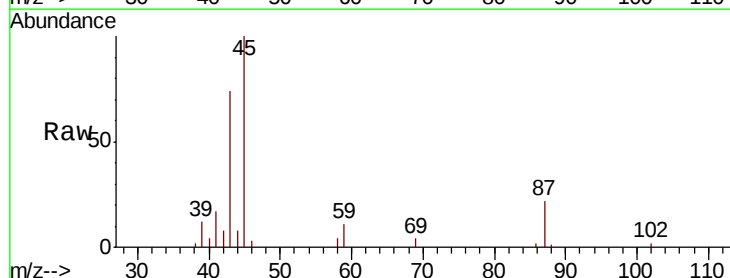
Ion Ratio Lower Upper

45 100

43 70.4 45.8 68.6#

87 22.3 18.6 28.0

59 11.0 9.0 13.4

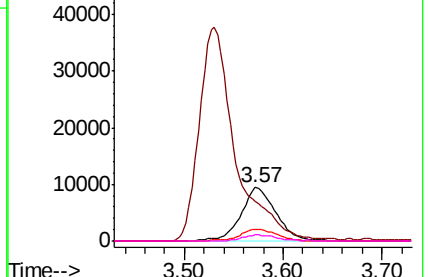
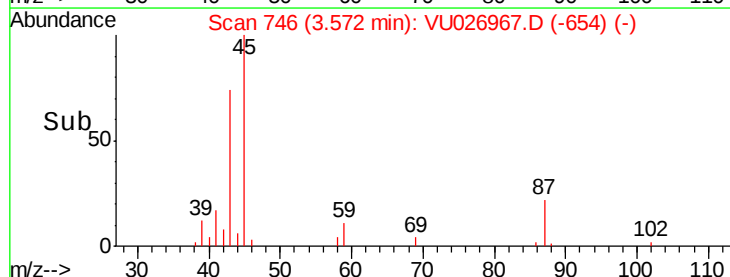


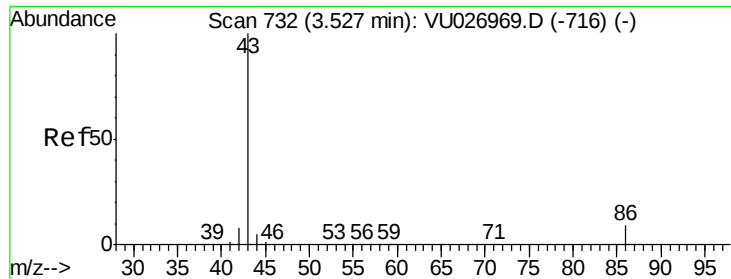
Abundance Ion 45.00 (44.70 to 45.70): VU026967.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU026967.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU026967.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU026967.D (-654) (-)





#23

Vinyl Acetate

Concen: 31.214 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 95891

Ion Ratio Lower Upper

43 100

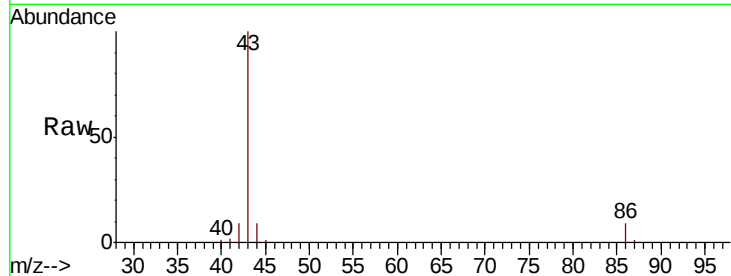
86 9.0 7.2 10.8

Manual Integrations

APPROVED

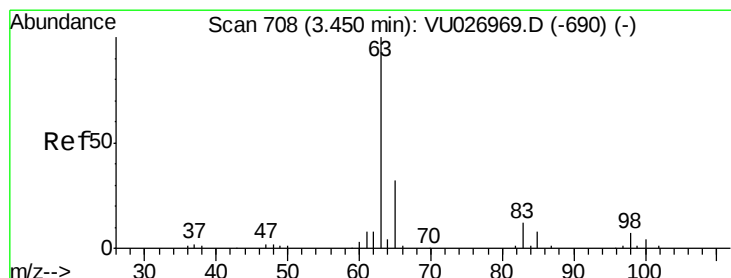
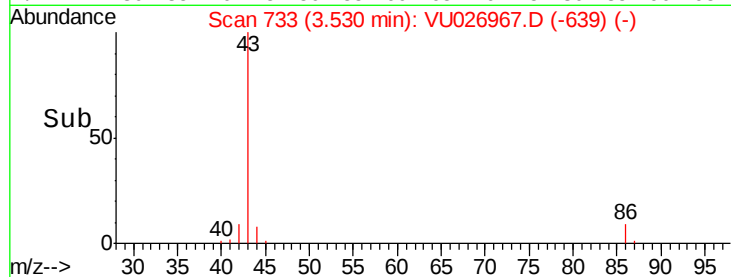
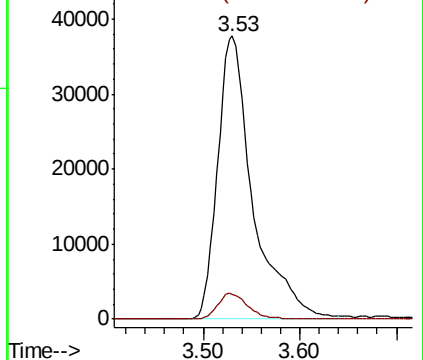
MMDadoda

9/24/2018 2:14:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VU026967.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU026967.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 6.901 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

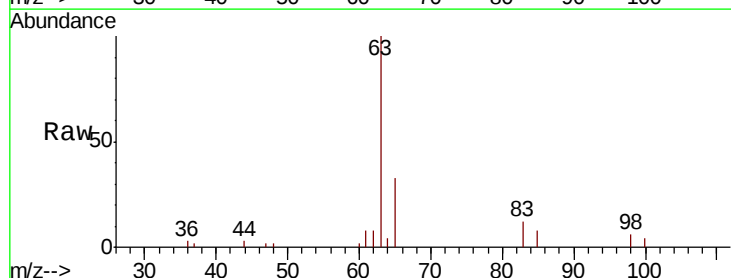
Tgt Ion: 63 Resp: 13907

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

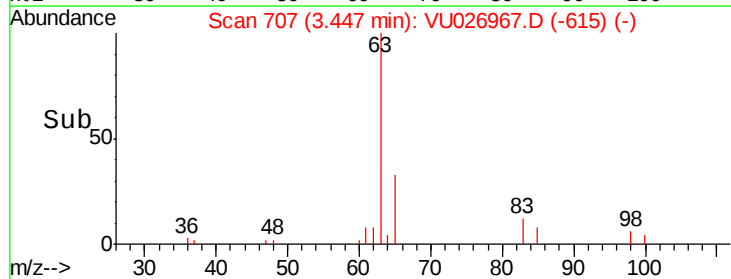
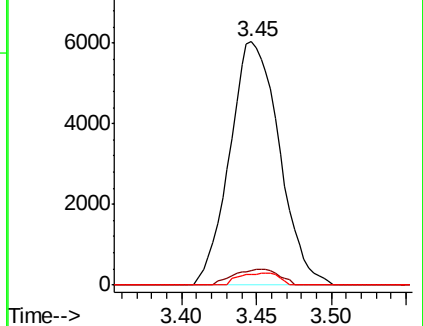
100 4.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU026967.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU026967.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU026967.D (-615) (-)





#25

2-Butanone

Concen: 35.993 ug/l

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 35007

Ion Ratio Lower Upper

43 100

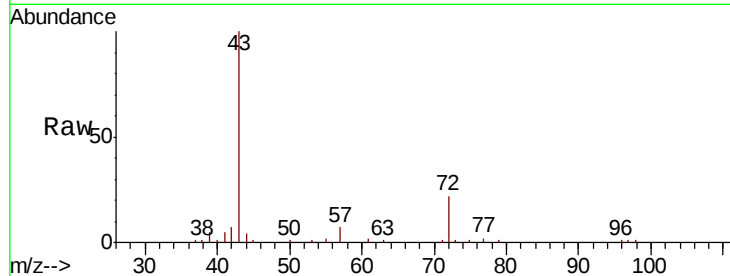
72 22.2 18.4 27.6

Manual Integrations

APPROVED

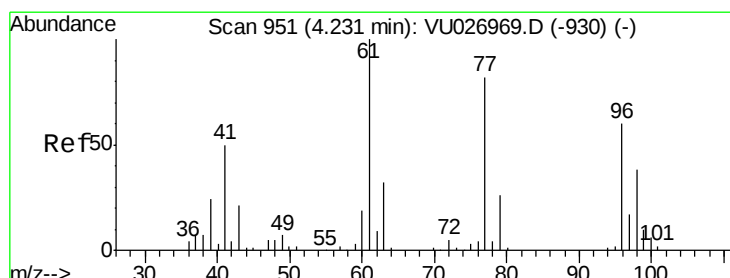
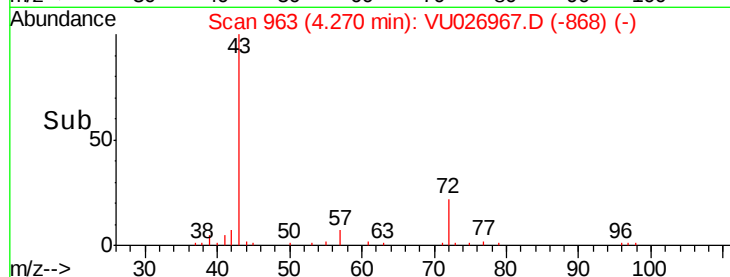
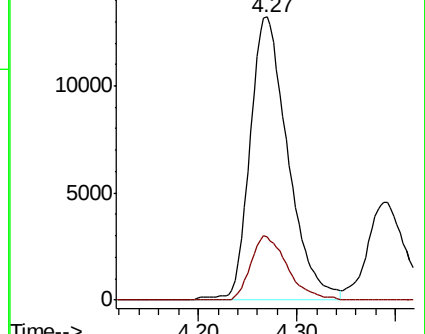
MMDadoda

9/24/2018 2:14:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 6.658 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU026967.D

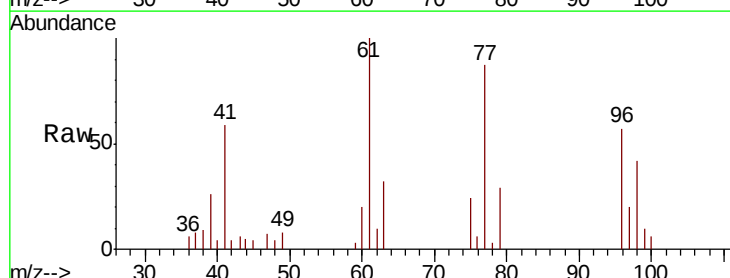
Acq: 21 Sep 2018 14:51

Tgt Ion: 77 Resp: 10898

Ion Ratio Lower Upper

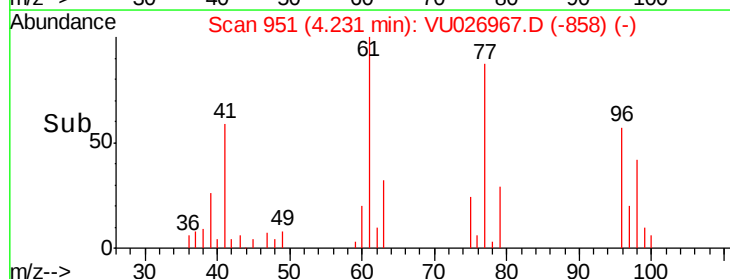
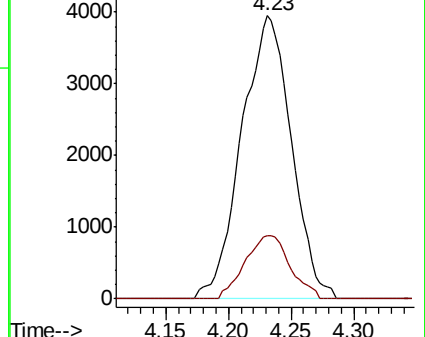
77 100

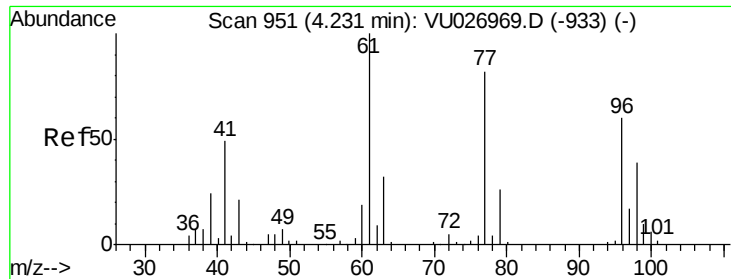
97 20.2 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

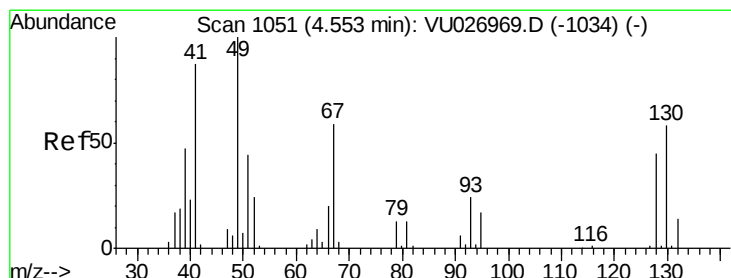
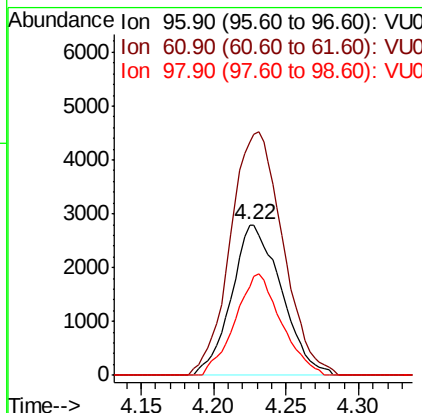
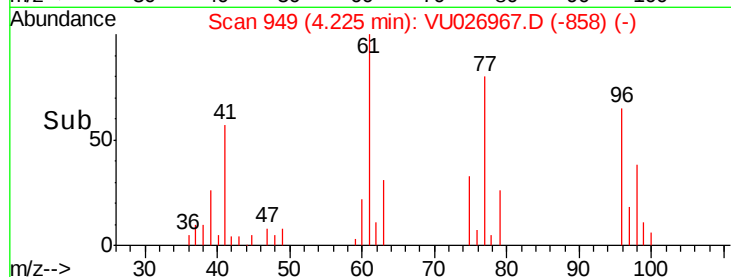
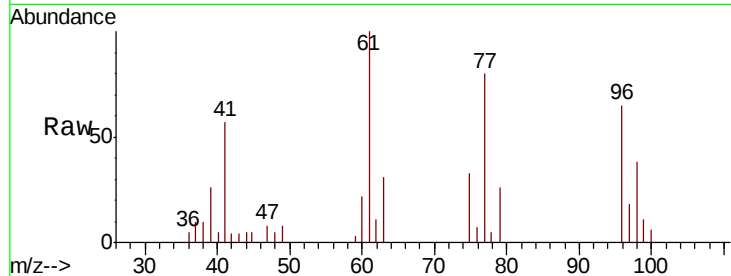
cis-1,2-Dichloroethene
Concen: 5.916 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.01 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.1	0.0	337.2
98	62.3	0.0	127.6

Manual Integrations
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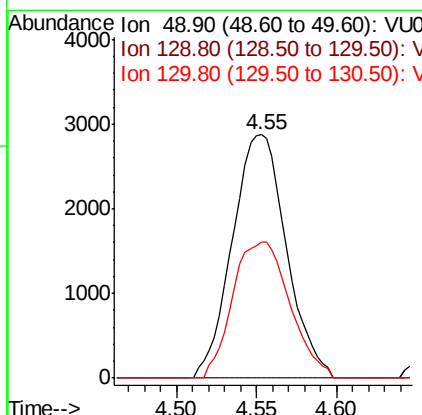
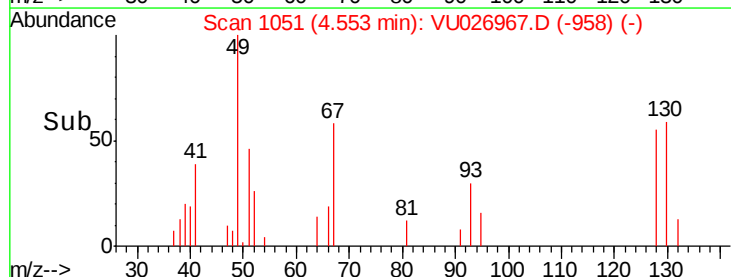
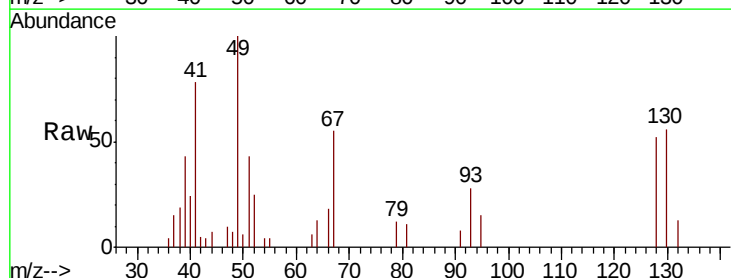
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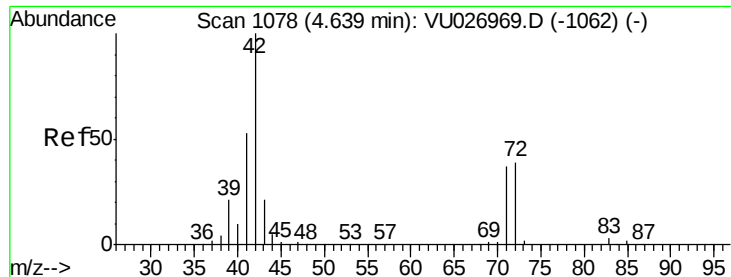


#28

Bromochloromethane
Concen: 6.847 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	59.1	47.8	71.8





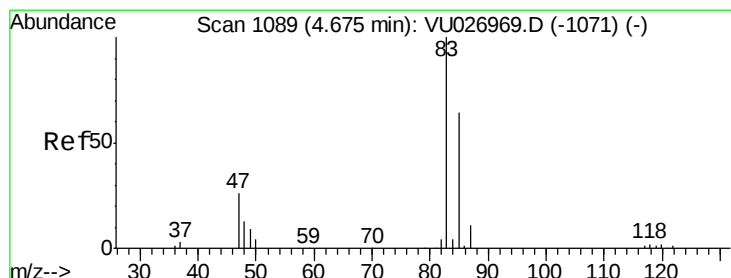
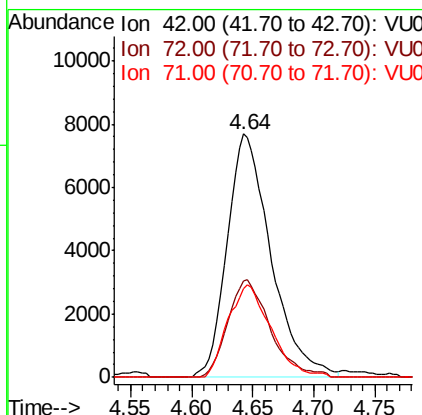
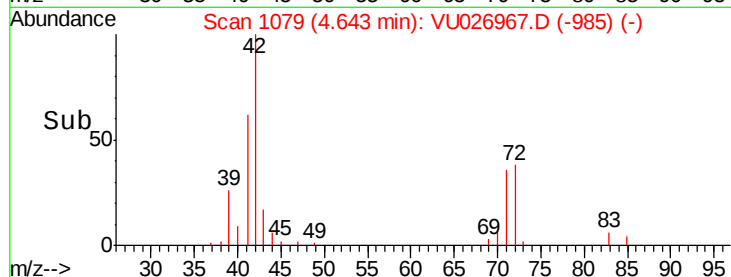
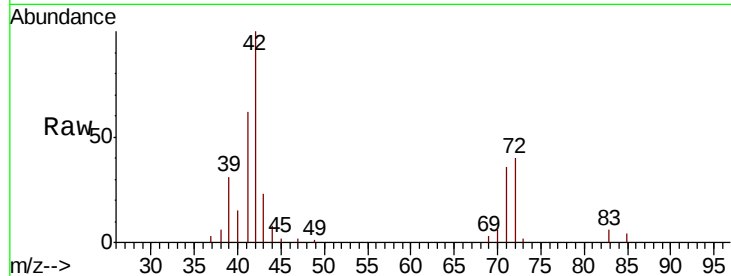
#29
Tetrahydrofuran
Concen: 32.447 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	31.7	47.5
71	37.1	29.6	44.4

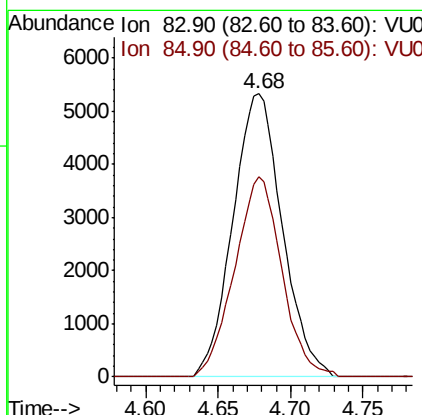
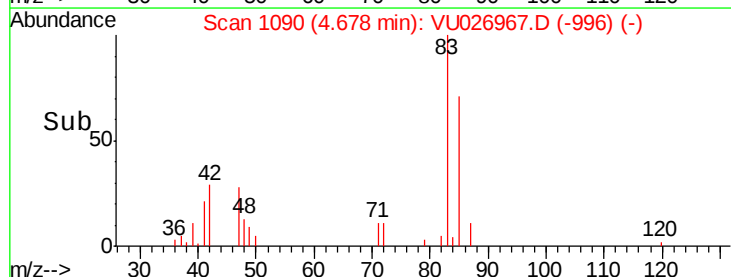
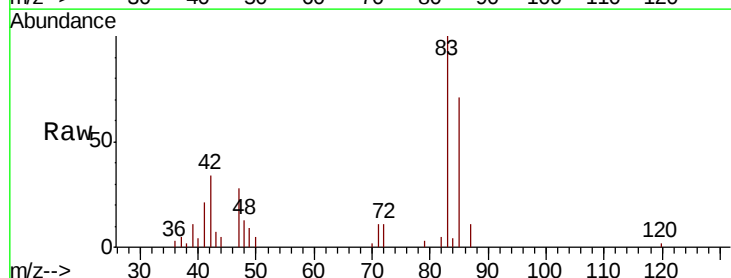
Manual Integrations
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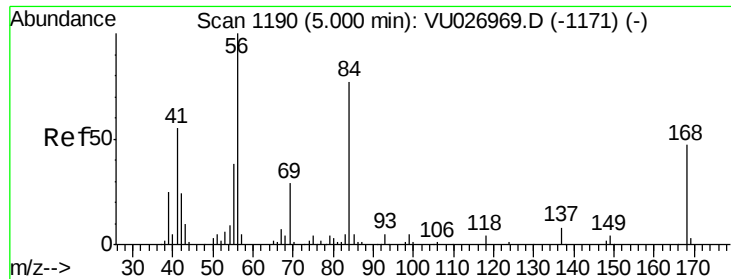
MMDadoda
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#30
Chloroform
Concen: 6.437 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.7	51.5	77.3





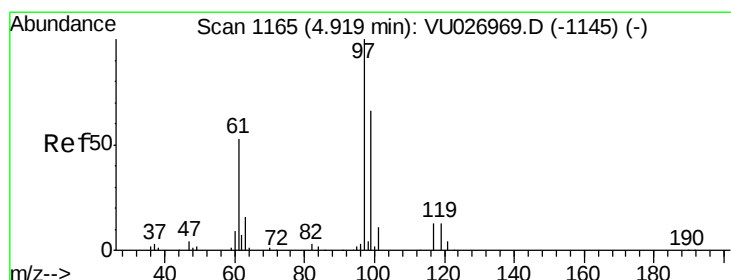
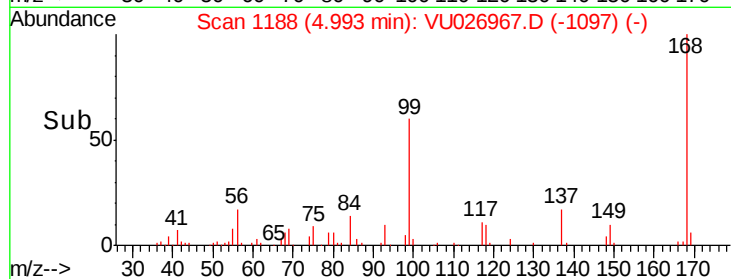
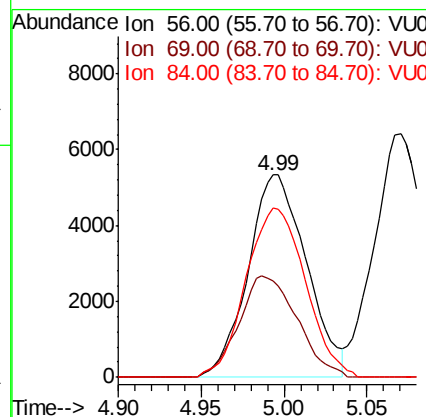
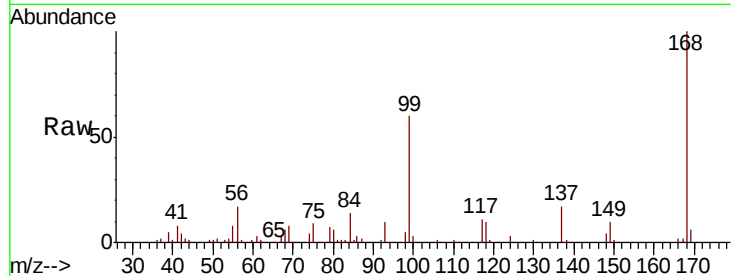
#31
Cyclohexane
Concen: 6.287 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	47.6	23.0	34.4#
84	83.6	61.4	92.2

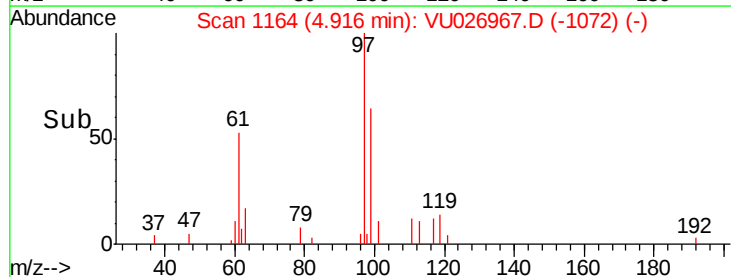
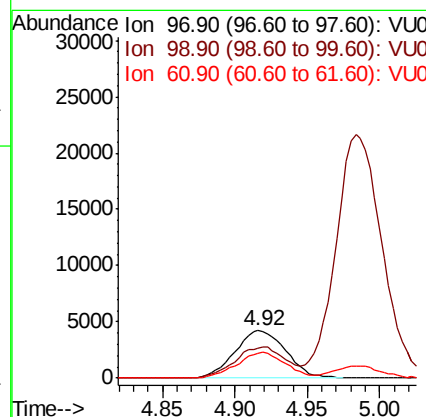
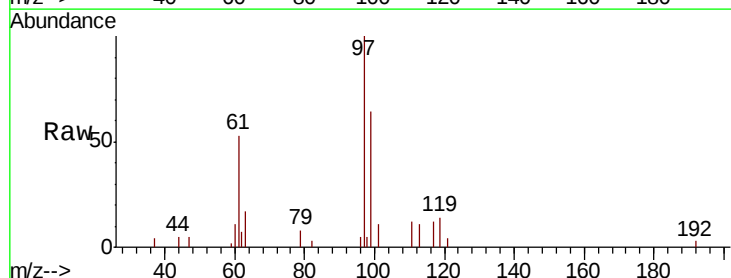
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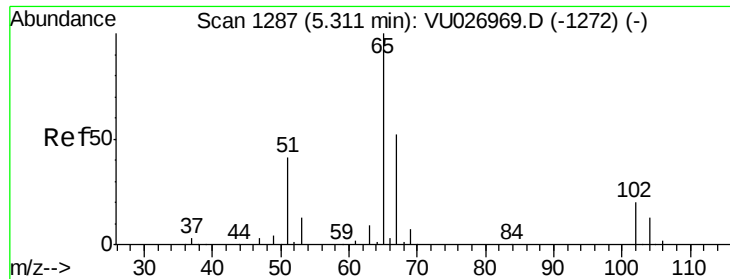
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#32
1,1,1-Trichloroethane
Concen: 6.373 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.6
61	52.0	41.1	61.7





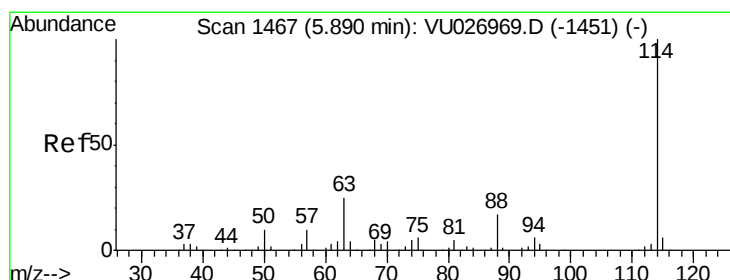
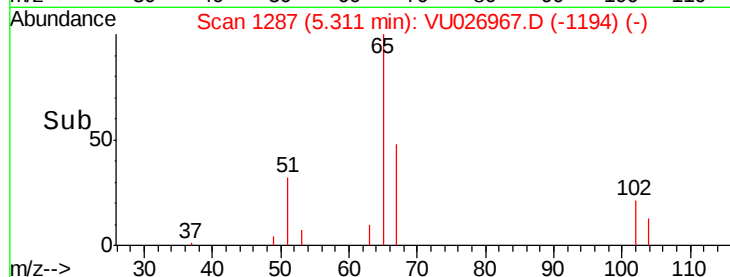
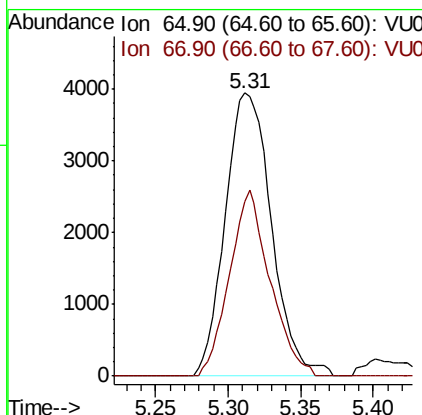
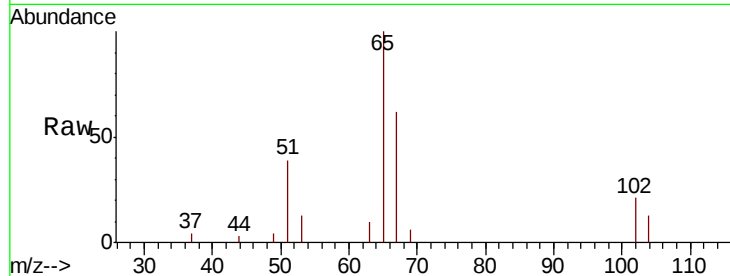
#33
 1,2-Dichloroethane-d4
 Concen: 6.913 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.3	0.0	105.6

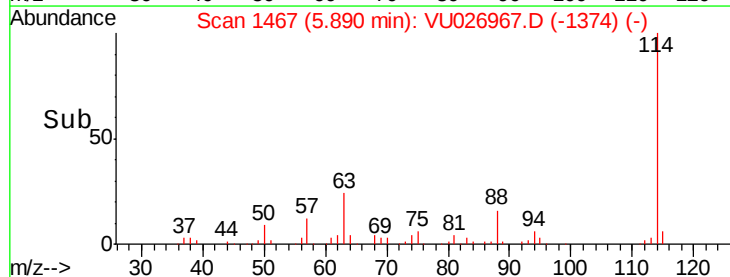
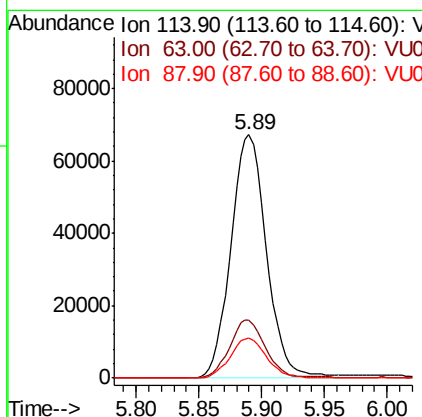
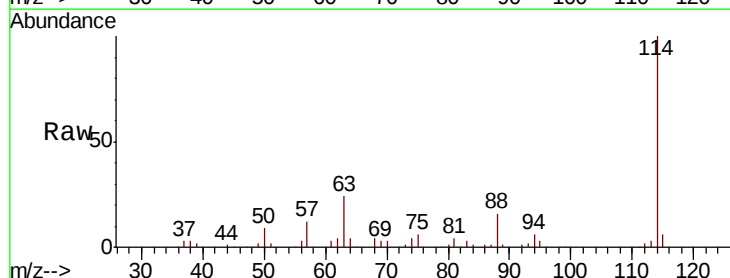
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	49.2
88	16.2	0.0	33.8





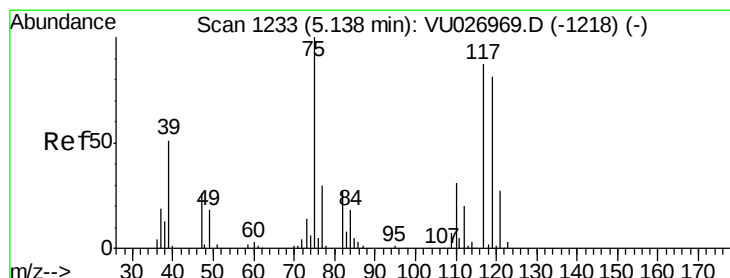
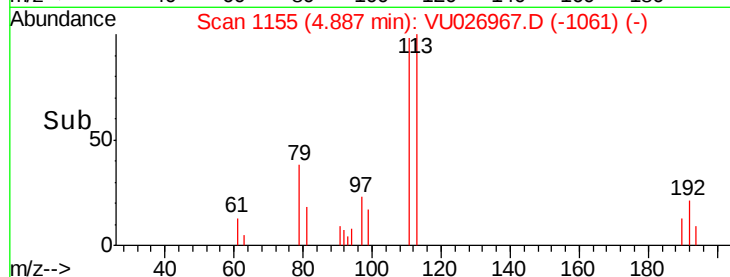
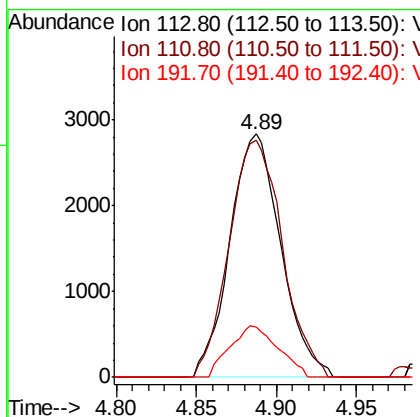
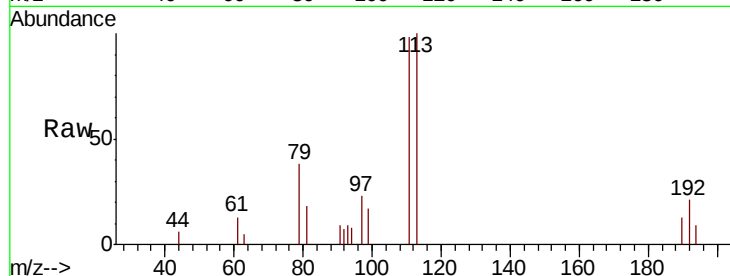
#35
 Dibromofluoromethane
 Concen: 5.597 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	20.0	15.2	22.8

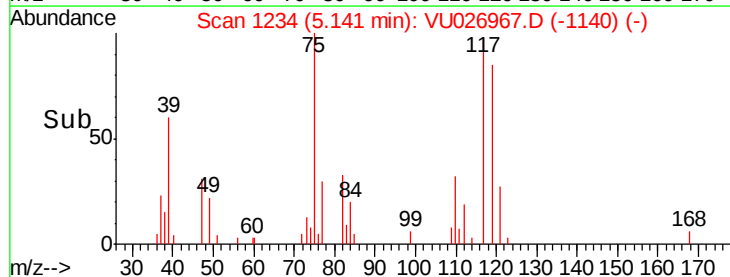
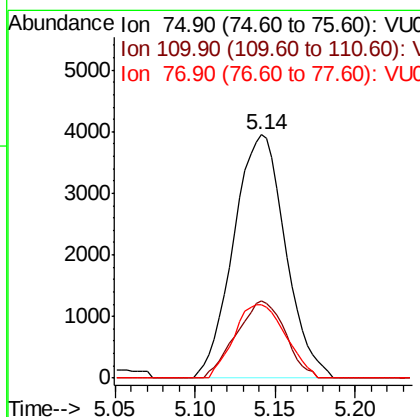
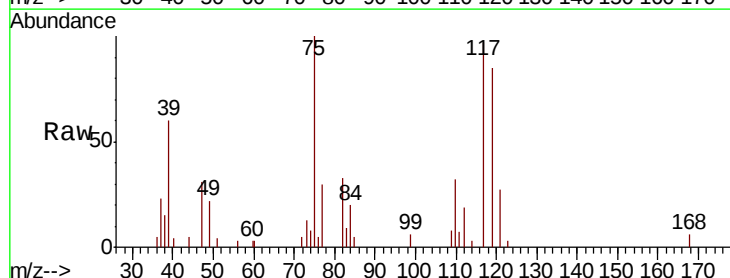
Manual Integrations
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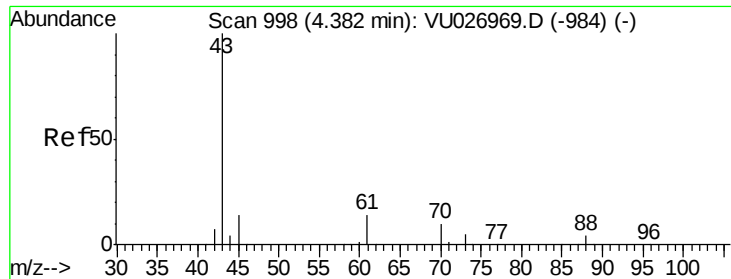
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 5.707 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.8	16.1	48.2
77	29.9	24.6	36.8





#37

Ethyl Acetate

Concen: 5.927 ug/l

RT: 4.39 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

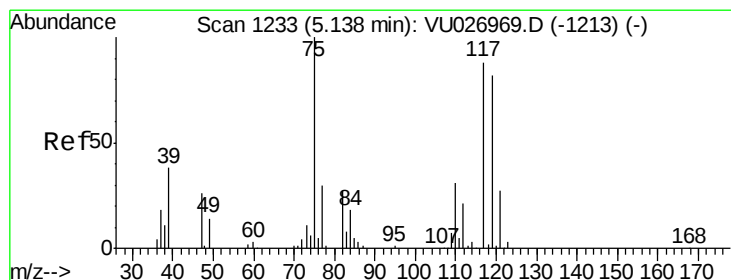
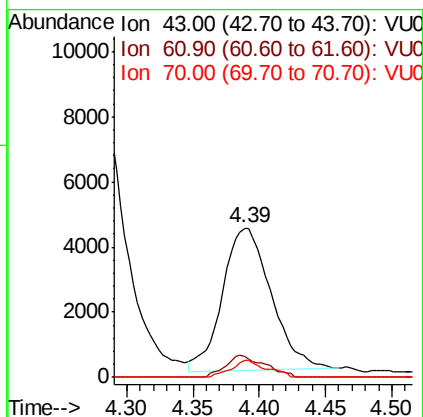
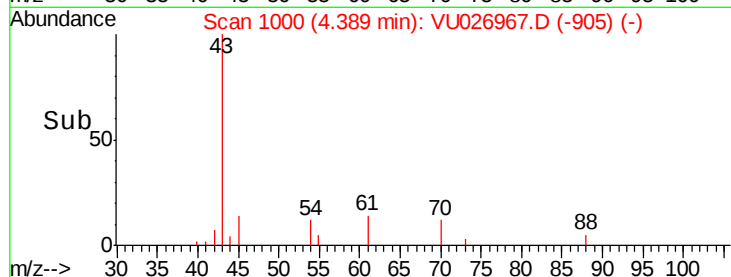
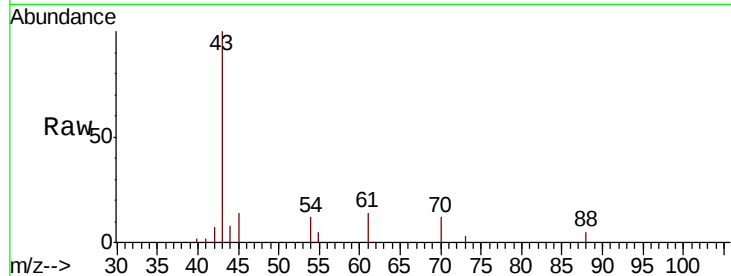
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	11242
Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.5	15.7
70	8.8	7.4	11.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 5.577 ug/l

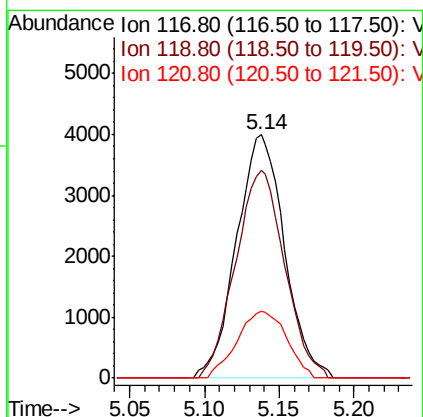
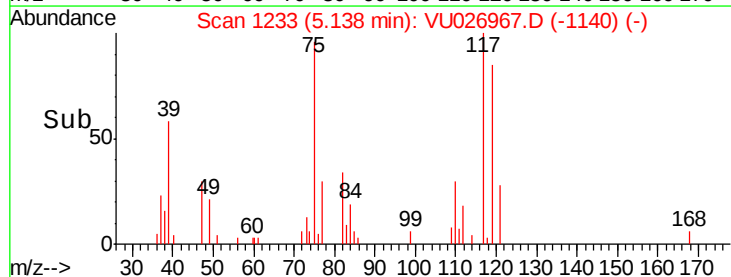
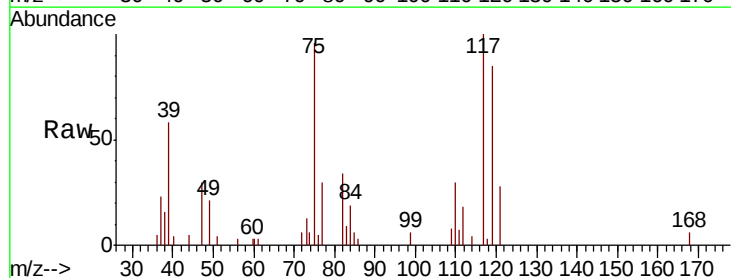
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion:	117	Resp:	8910
Ion	Ratio	Lower	Upper
117	100		
119	85.2	74.4	111.6
121	27.6	24.2	36.4





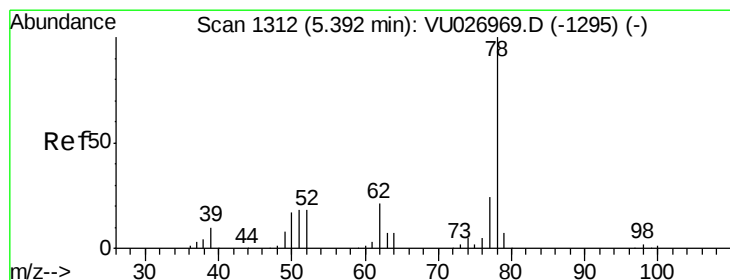
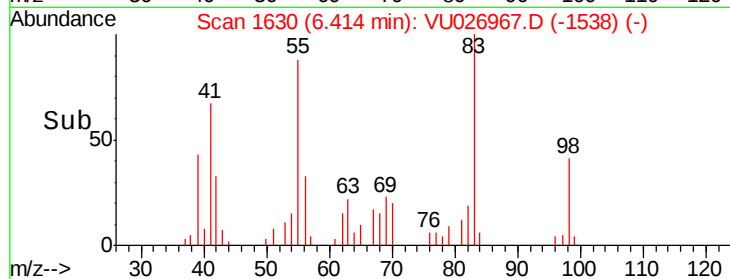
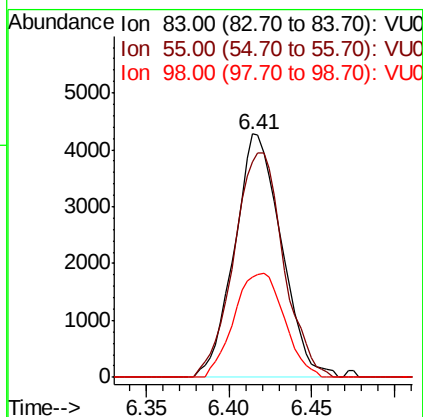
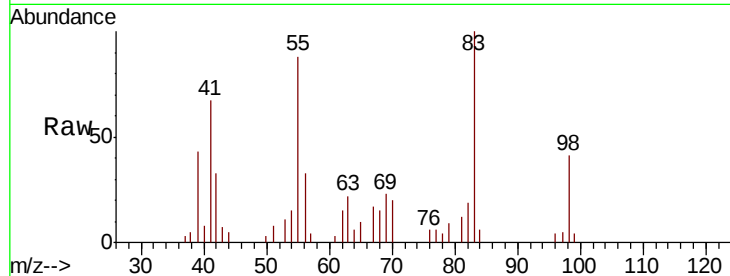
#39
Methvlcvclohexane
Concen: 4.665 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	83.00	Resp:	8438
Ion	Ratio	Lower	Upper
83	100		
55	88.5	69.9	104.9
98	41.1	37.5	56.3

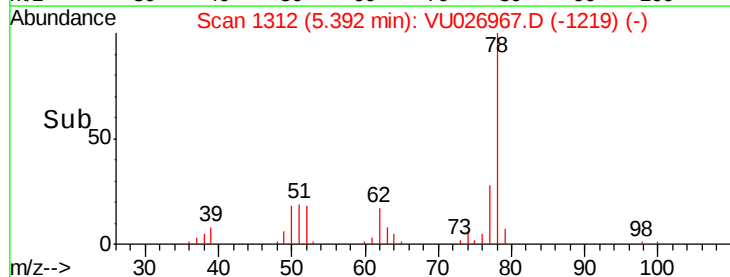
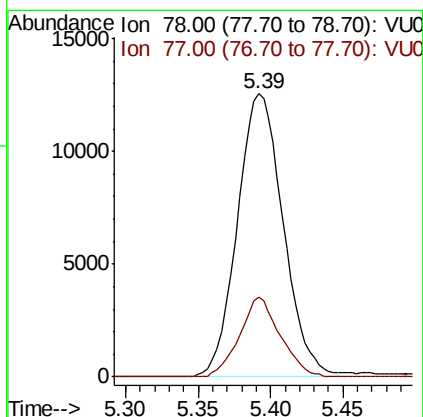
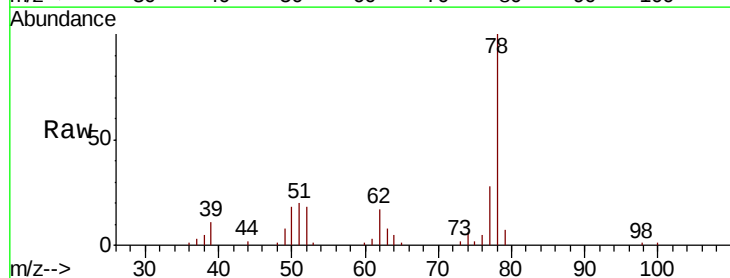
Manual Integrations
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#40
Benzene
Concen: 5.803 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	78.00	Resp:	27562
Ion	Ratio	Lower	Upper
78	100		
77	28.2	19.4	29.0





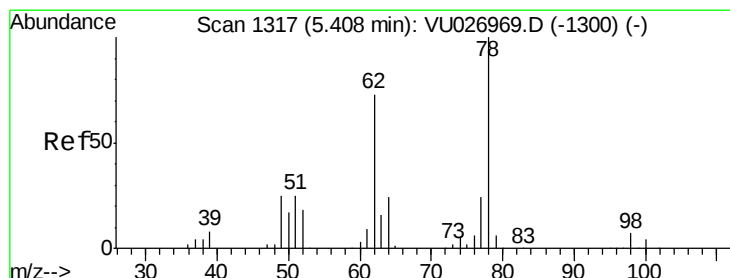
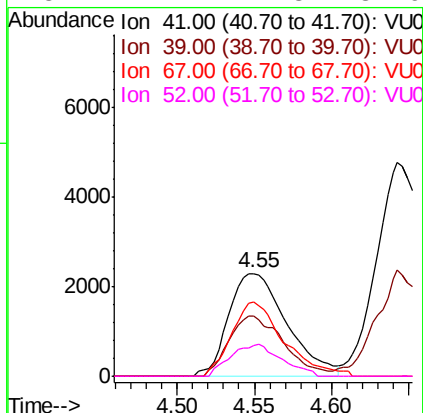
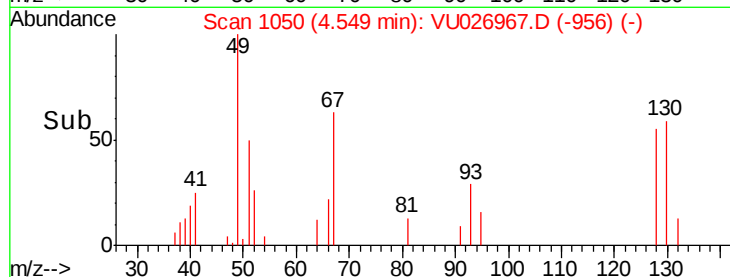
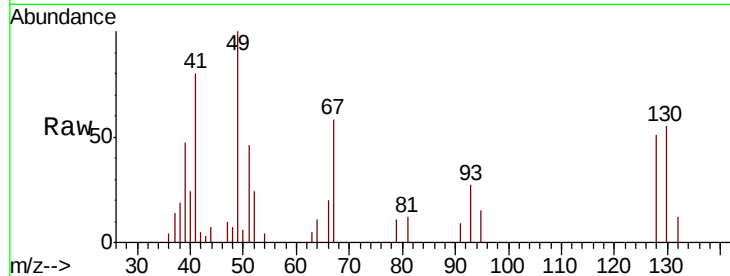
#41
Methacrylonitrile
Concen: 6.070 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	42.9	64.3	
67	65.0	52.4	78.6	
52	27.2	21.3	31.9	

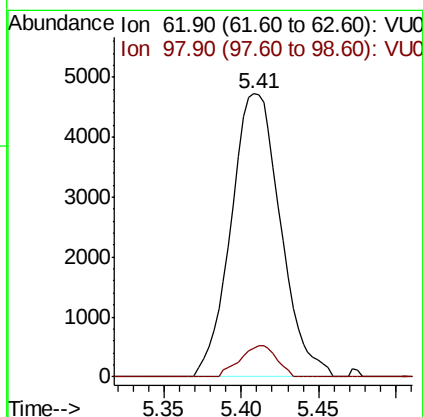
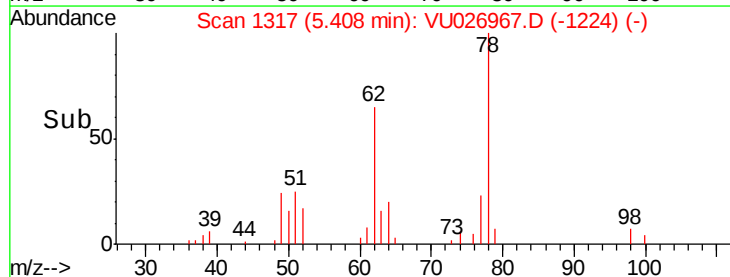
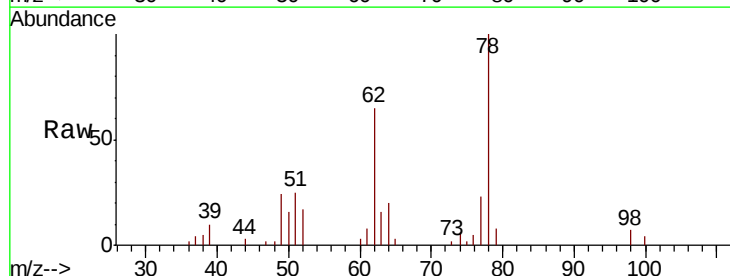
Manual Integrations
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9/24/2018 2:14:02 PM



#42
1,2-Dichloroethane
Concen: 6.108 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.0	





#43

Isopropyl Acetate

Concen: 5.904 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

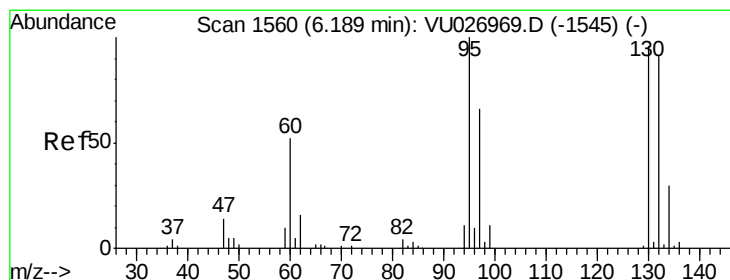
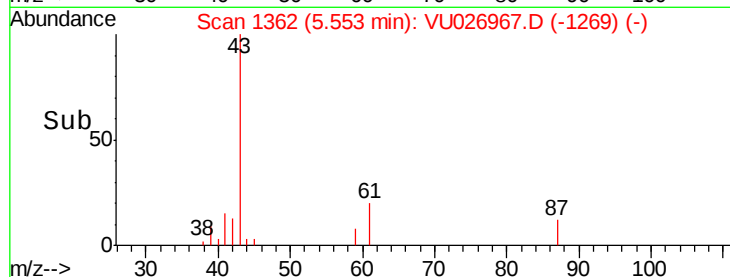
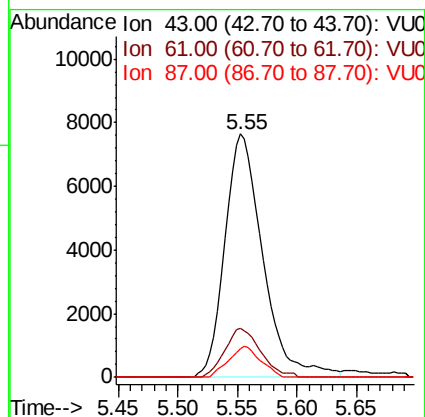
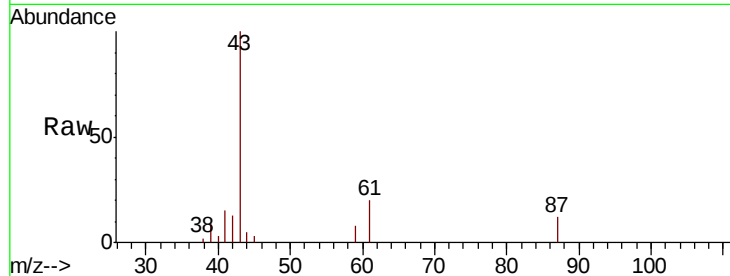
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	16918
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.7	23.5
87	10.6	9.0	13.4

Manual Integrations
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#44

Trichloroethene

Concen: 5.098 ug/l

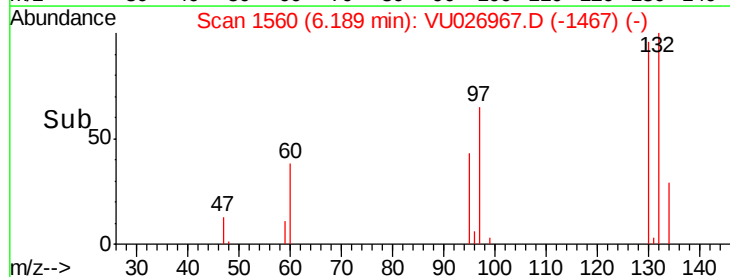
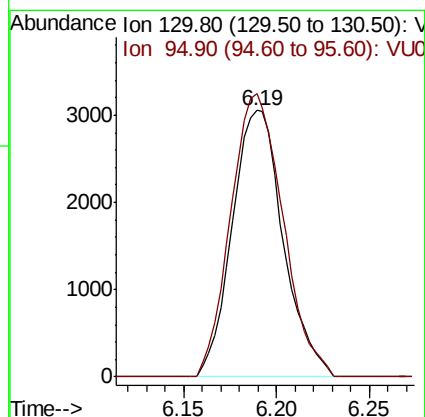
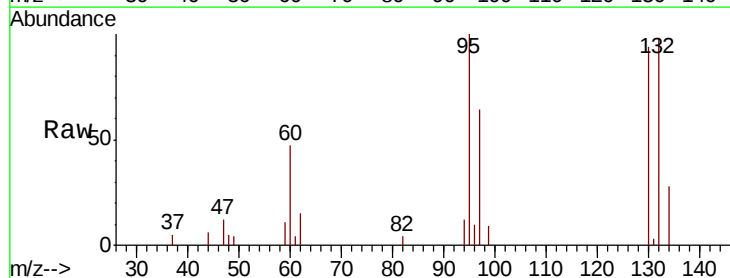
RT: 6.19 min Scan# 1560

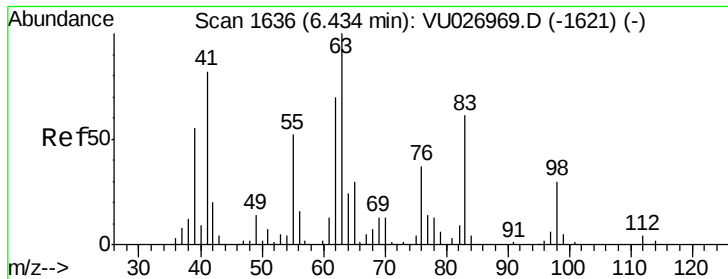
Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion:	130	Resp:	5854
Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	208.8





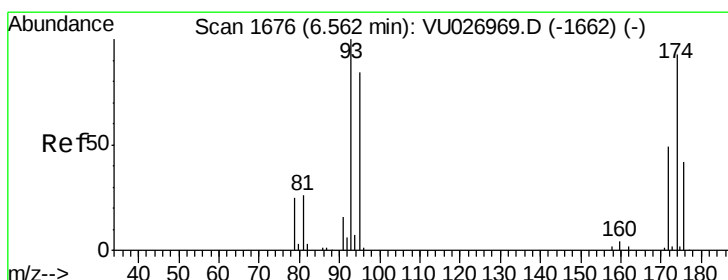
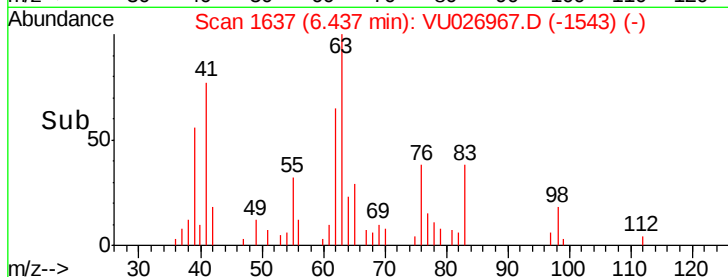
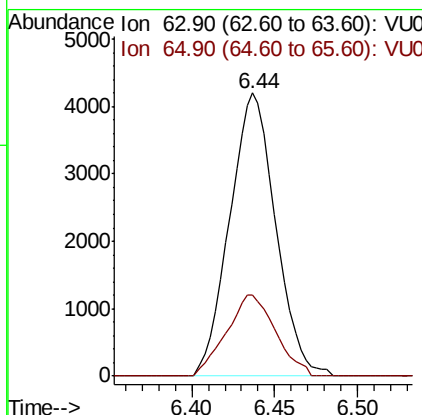
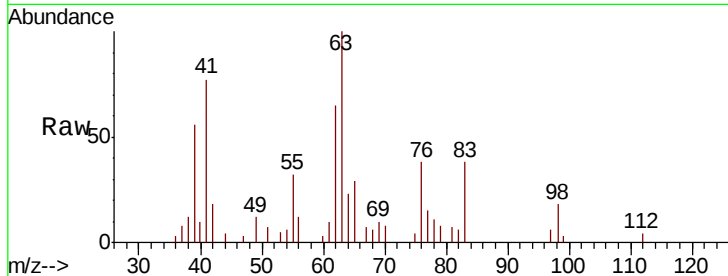
#45
 1,2-Dichloropropane
 Concen: 6.208 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.3	36.5

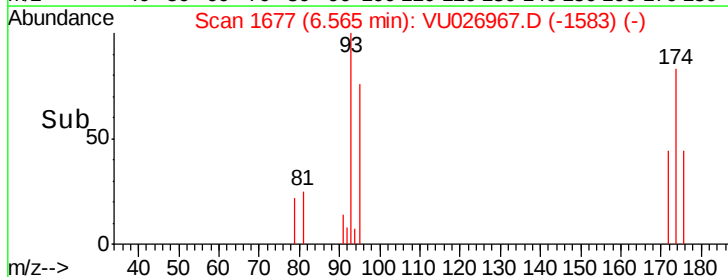
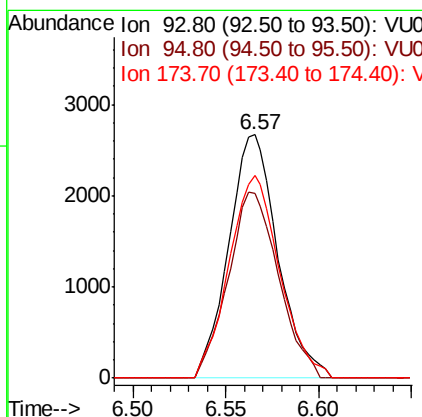
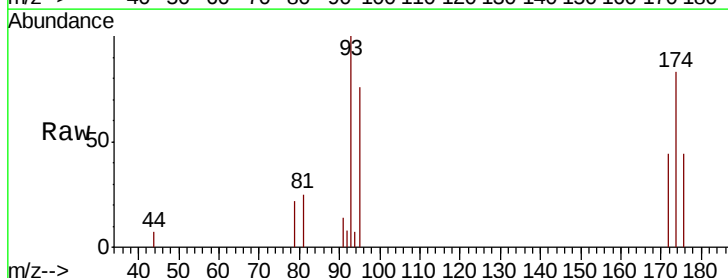
Manual Integrations
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 9/24/2018 2:14:02 PM



#46
 Dibromomethane
 Concen: 5.920 ug/l
 RT: 6.57 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.3	66.2	99.4
174	86.1	71.7	107.5





#47

Bromodichloromethane

Concen: 5.899 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

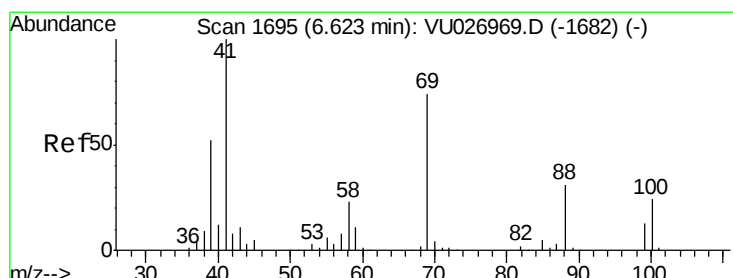
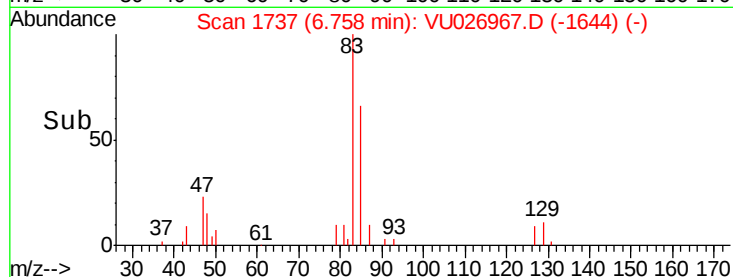
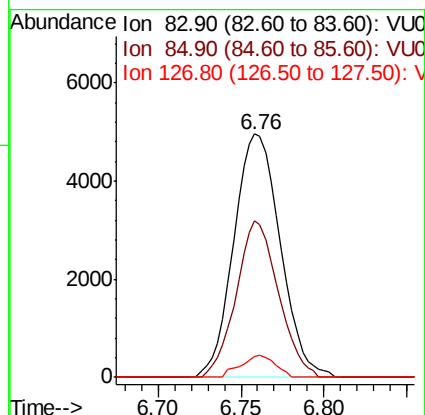
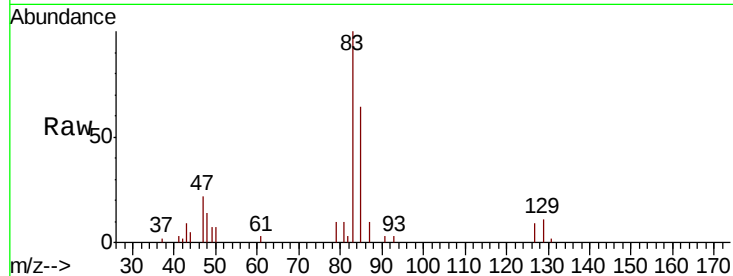
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	9662
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7
127	8.5	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.456 ug/l

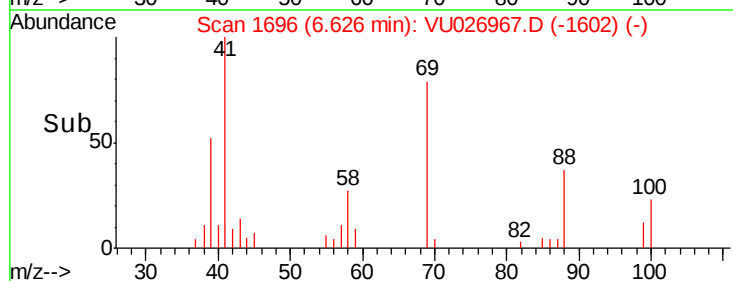
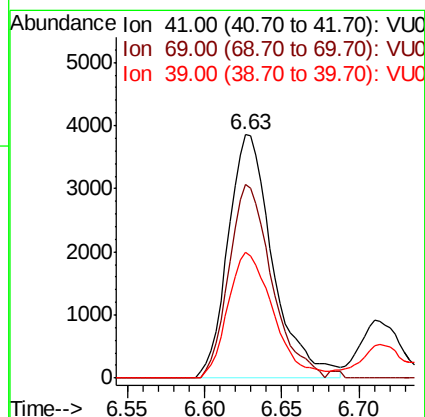
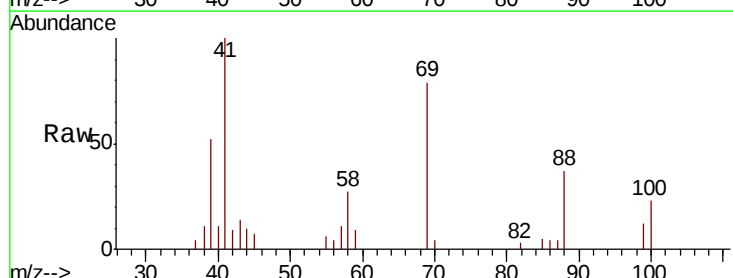
RT: 6.63 min Scan# 1696

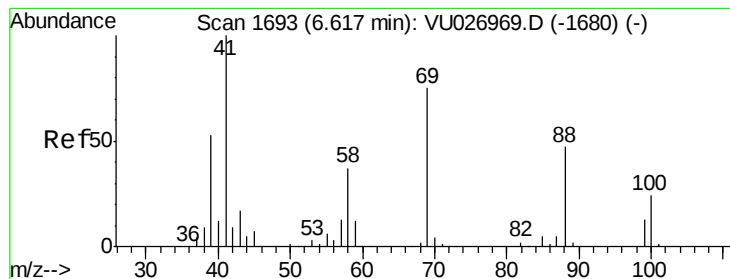
Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion:	41	Resp:	7746
Ion	Ratio	Lower	Upper
41	100		
69	75.7	60.6	90.8
39	52.4	42.8	64.2





#49

1,4-Dioxane

Concen: 105.441 ug/l

RT: 6.62 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

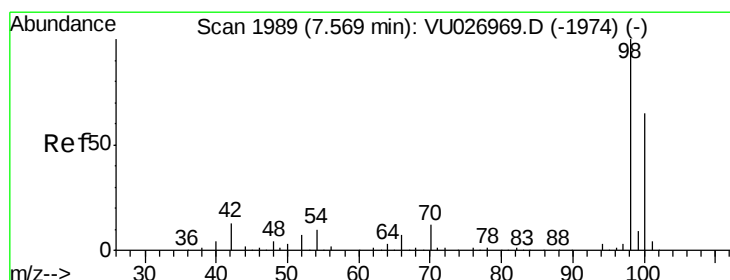
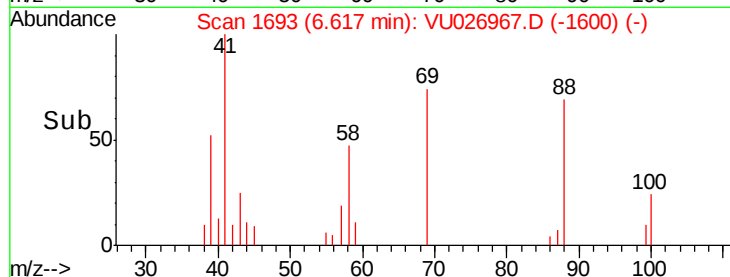
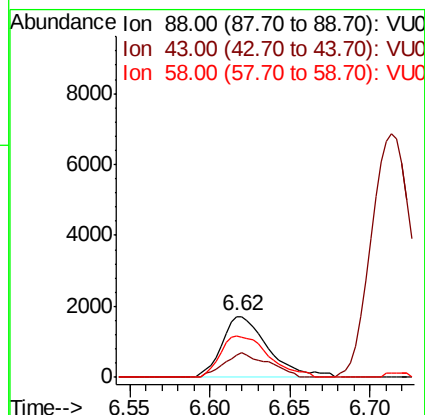
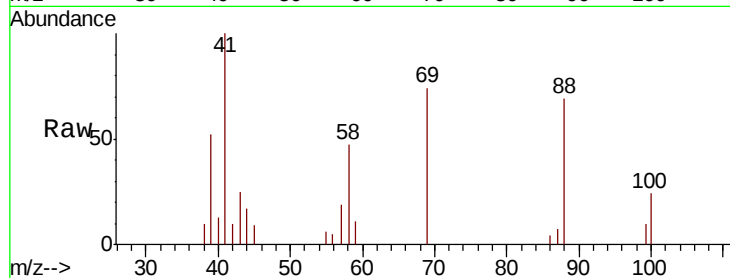
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	3364
Ion	Ratio	Lower	Upper
88	100		
43	39.3	29.8	44.8
58	71.1	63.9	95.9

Manual Integrations
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#50

Toluene-d8

Concen: 5.420 ug/l

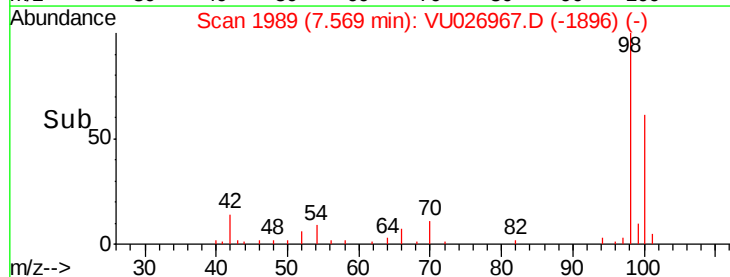
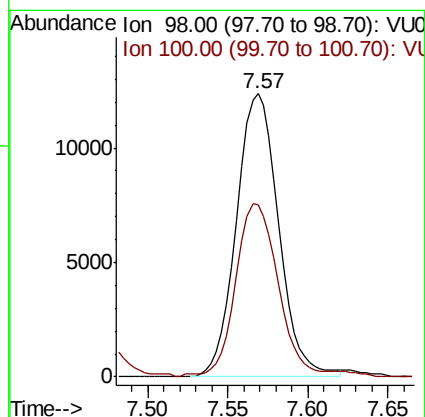
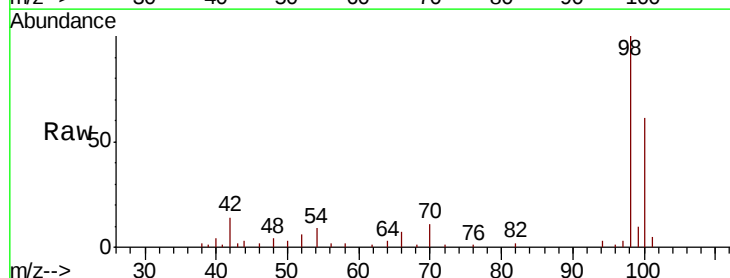
RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion:	98	Resp:	22327
Ion	Ratio	Lower	Upper
98	100		
100	61.3	52.1	78.1





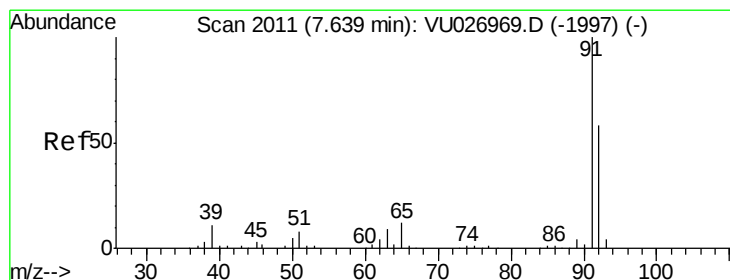
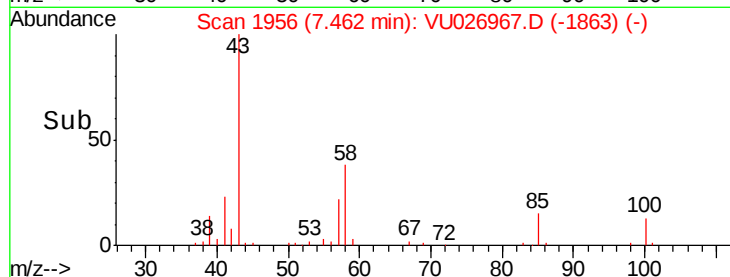
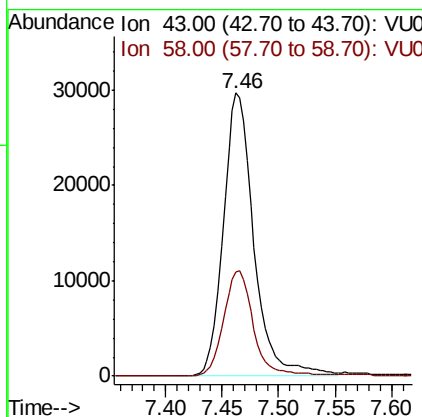
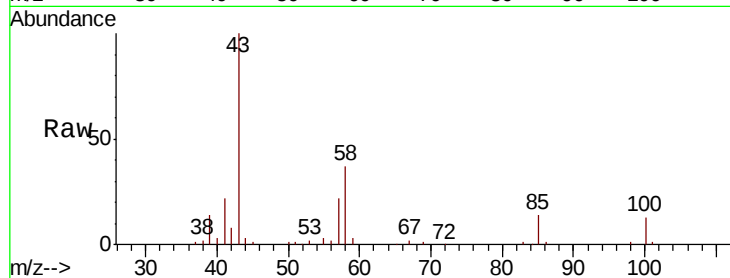
#51
4-Methyl-2-Pentanone
Concen: 28.827 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.8	44.6

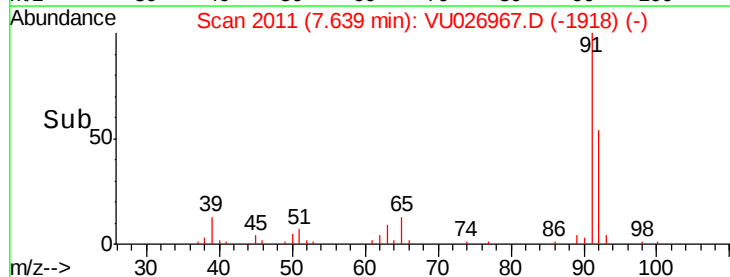
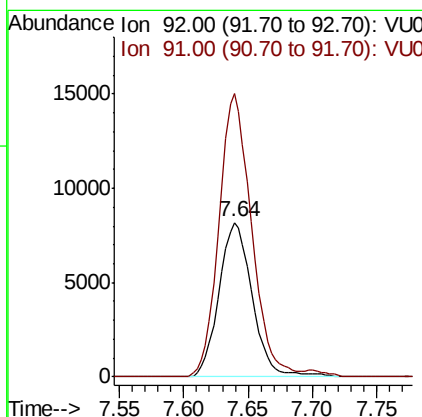
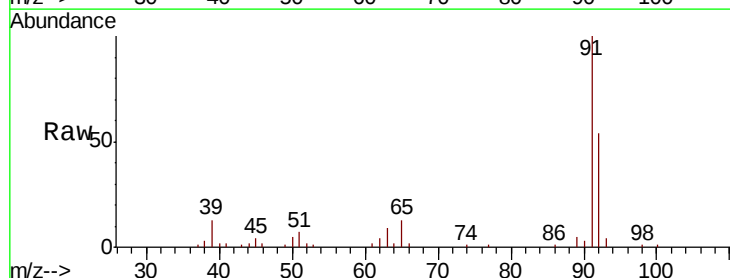
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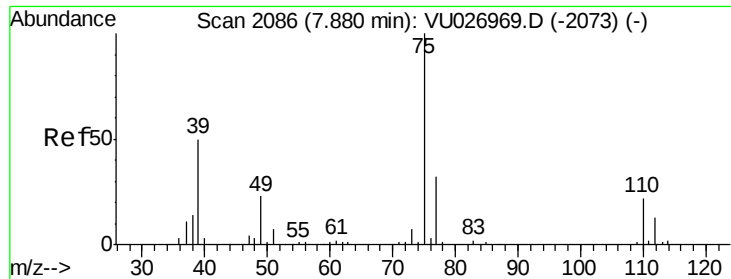
MMDadoda
9/24/2018 2:14:02 PM



#52
Toluene
Concen: 5.166 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
92	100		
91	179.1	136.4	204.6





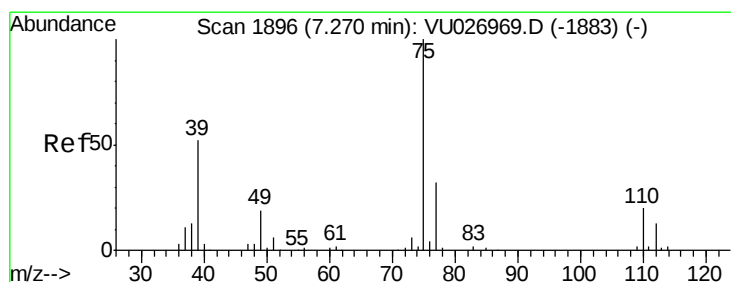
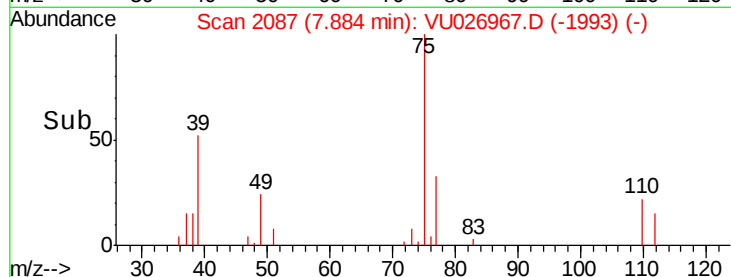
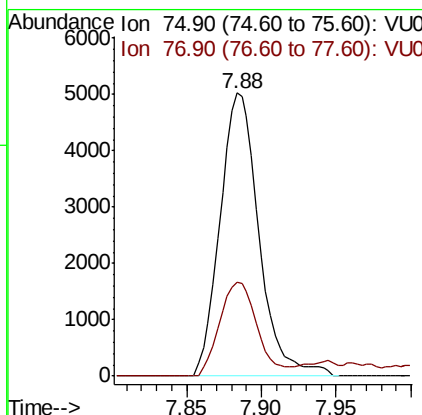
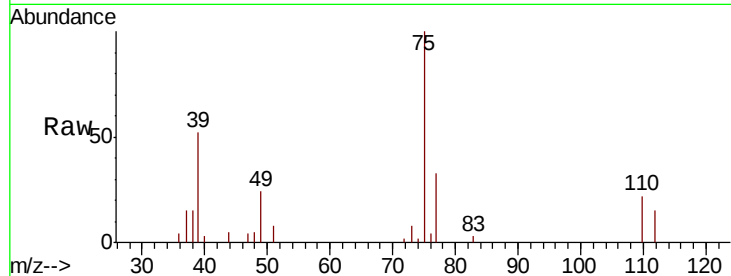
#53
t-1,3-Dichloropropene
Concen: 4.981 ug/l
RT: 7.88 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 9098
Ion Ratio Lower Upper
75 100
77 33.0 25.3 37.9

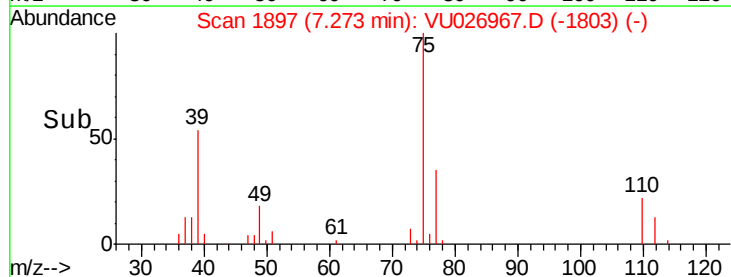
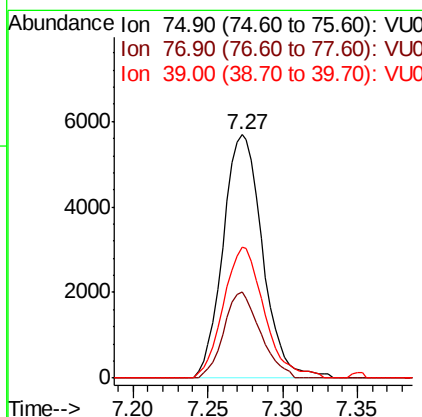
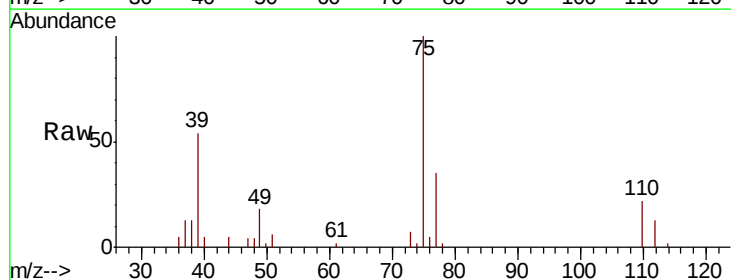
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9/24/2018 2:14:02 PM



#54
cis-1,3-Dichloropropene
Concen: 5.314 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 75 Resp: 10464
Ion Ratio Lower Upper
75 100
77 35.3 25.4 38.0
39 53.7 41.6 62.4





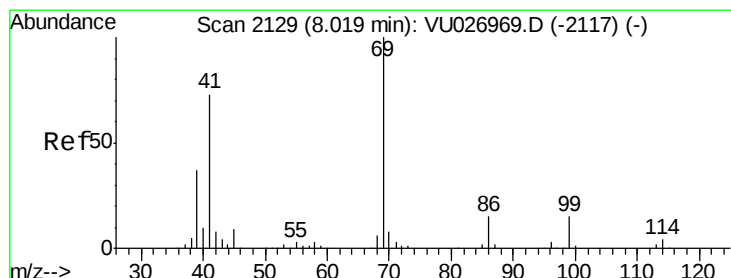
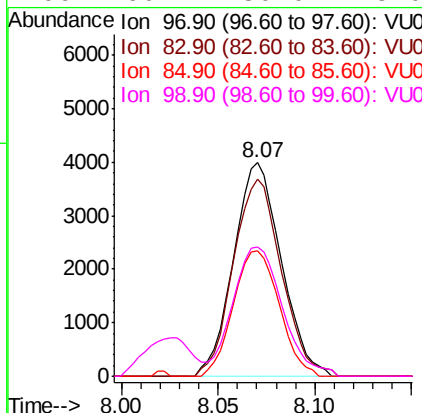
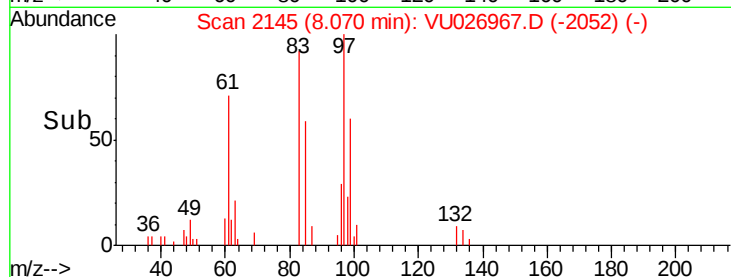
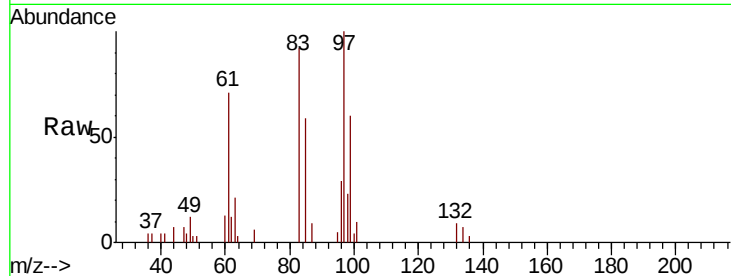
#55
 1,1,2-Trichloroethane
 Concen: 5.668 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	6842
Ion	Ratio	Lower	Upper
97	100		
83	92.2	73.1	109.7
85	58.6	46.7	70.1
99	60.4	50.0	75.0

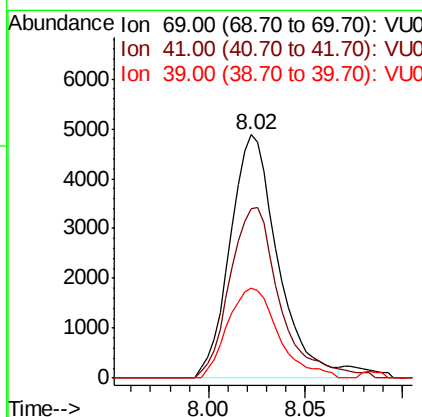
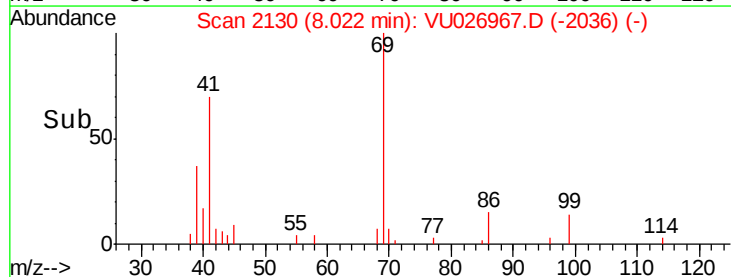
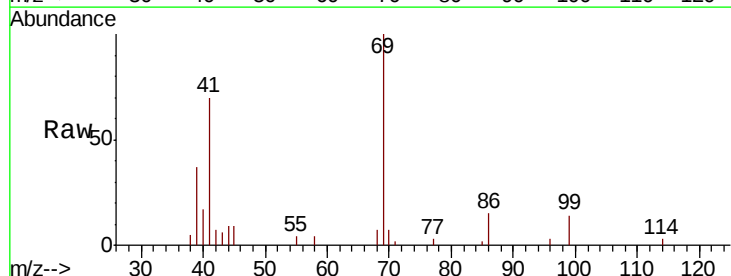
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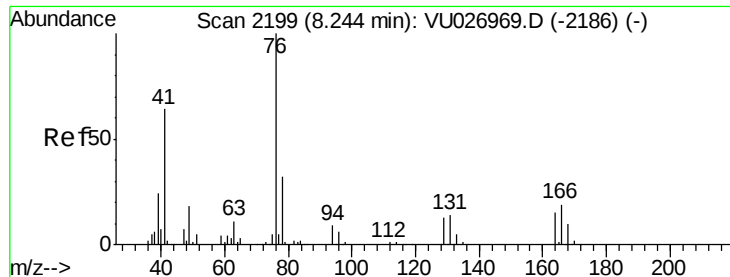
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#56
 Ethyl methacrylate
 Concen: 4.681 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion:	69	Resp:	8326
Ion	Ratio	Lower	Upper
69	100		
41	74.0	59.0	88.4
39	39.3	30.2	45.4





#57

1,3-Dichloropropane

Concen: 5.847 ug/l

RT: 8.25 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 12247

Ion Ratio Lower Upper

76 100

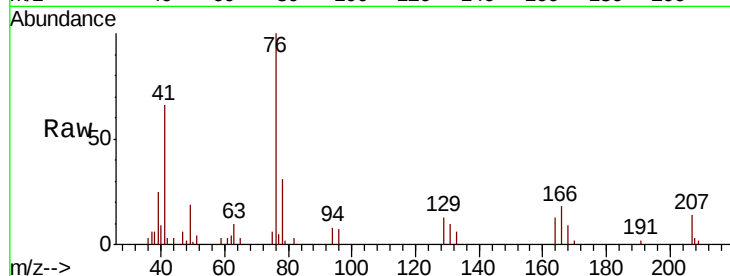
78 31.1 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

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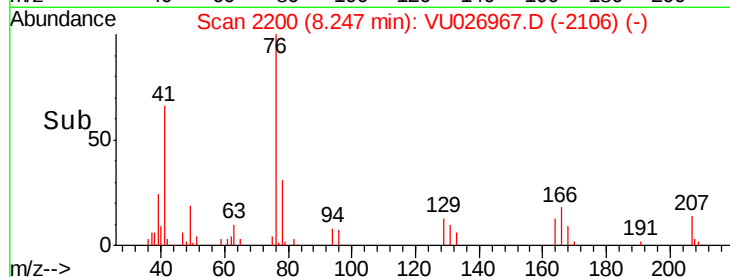
8.25

8.25

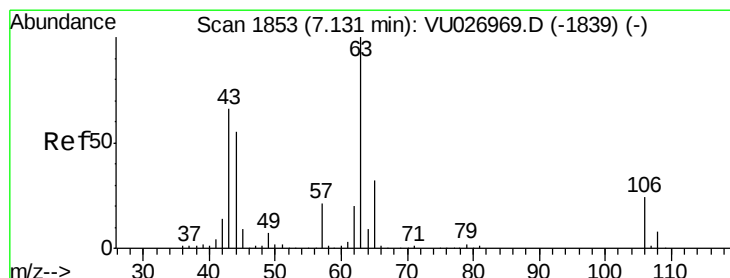
8.25

8.25

8.25



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 24.743 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU026967.D

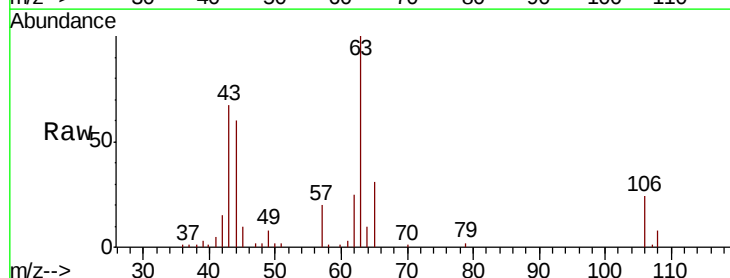
Acq: 21 Sep 2018 14:51

Tgt Ion: 63 Resp: 22558

Ion Ratio Lower Upper

63 100

106 23.0 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

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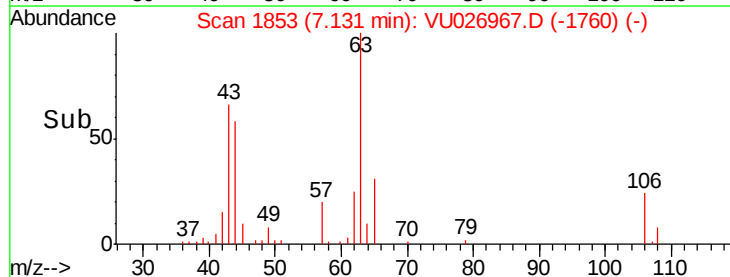
7.13

7.13

7.13

7.13

7.13



Time-->



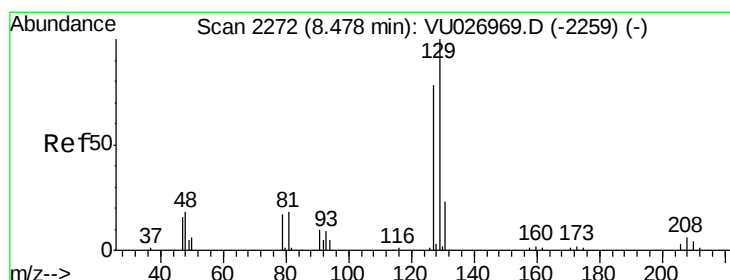
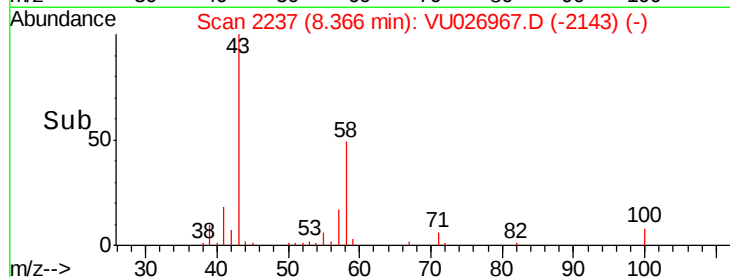
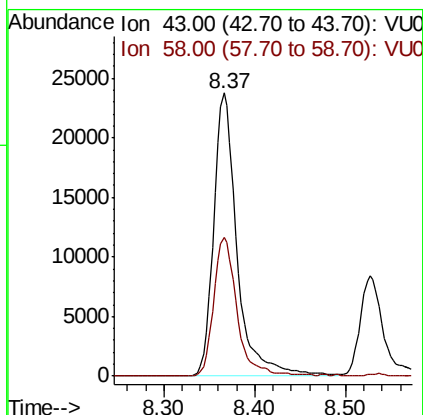
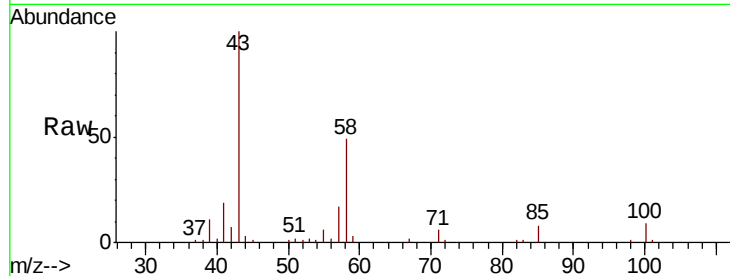
#59
2-Hexanone
Concen: 28.123 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 42541
Ion Ratio Lower Upper
43 100
58 47.9 26.1 78.2

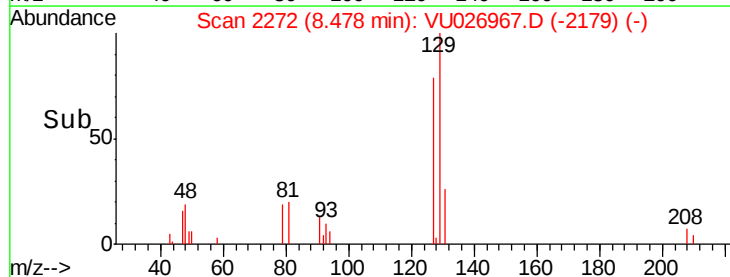
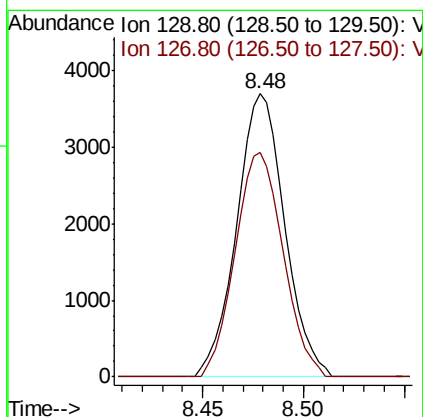
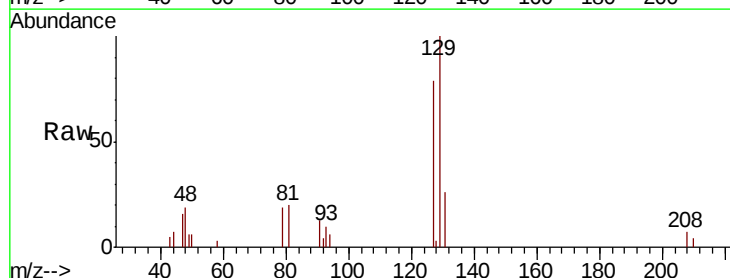
Manual Integrations
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#60
Dibromochloromethane
Concen: 4.821 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 129 Resp: 6172
Ion Ratio Lower Upper
129 100
127 79.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 5.380 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 7018

Ion Ratio Lower Upper

107 100

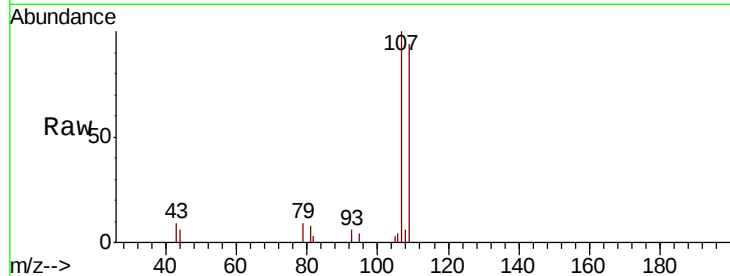
109 94.5 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

4000

3000

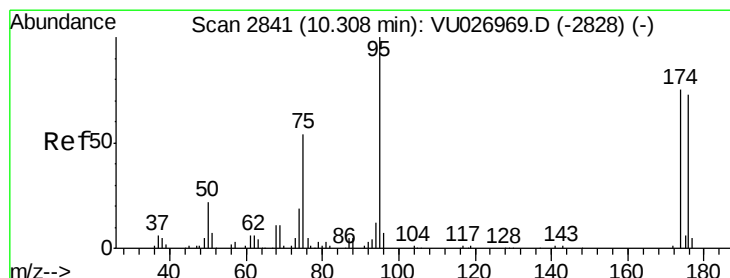
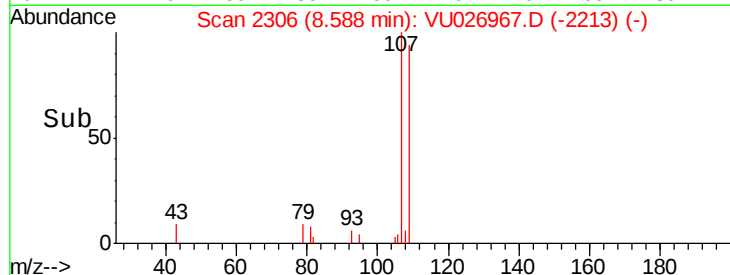
2000

1000

0

8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 4.361 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

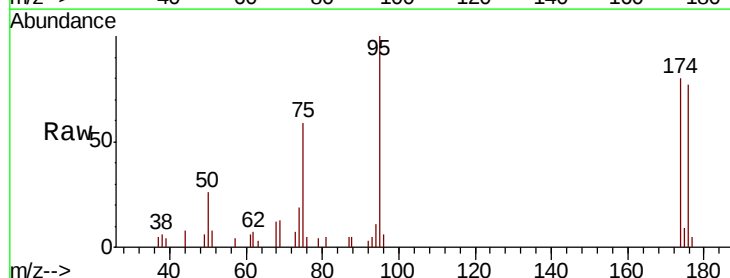
Tgt Ion: 95 Resp: 6442

Ion Ratio Lower Upper

95 100

174 78.7 0.0 150.2

176 77.5 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

10.31

5000

4000

3000

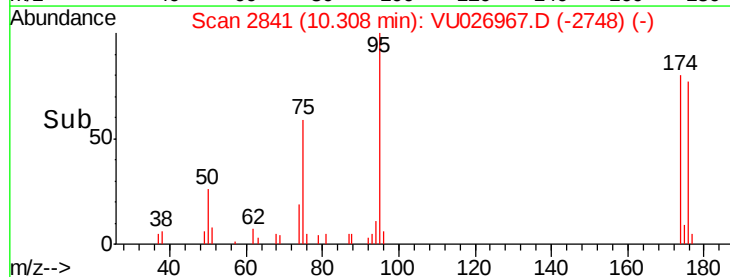
2000

1000

0

10.25 10.30 10.35

Time-->





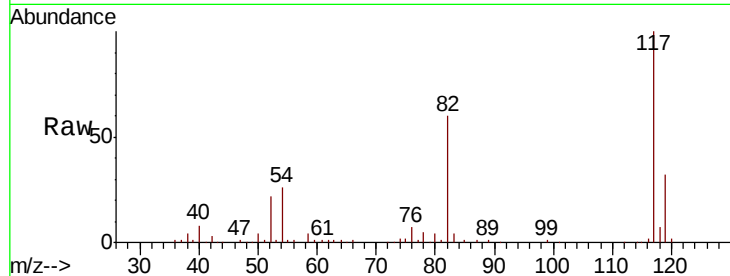
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	127510		
82	60.0	48.0	72.0	
119	31.8	25.8	38.8	

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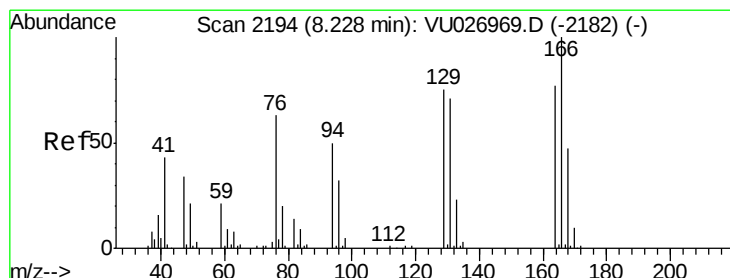
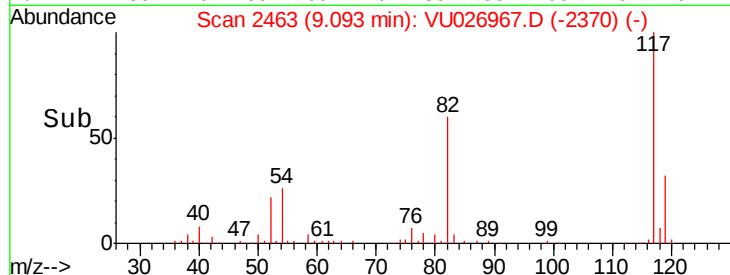
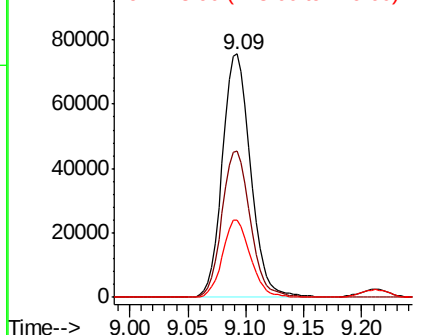


Abundance

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: 4.975 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4987		
166	120.1	104.4	156.6	
129	90.2	78.7	118.1	
131	85.5	73.9	110.9	

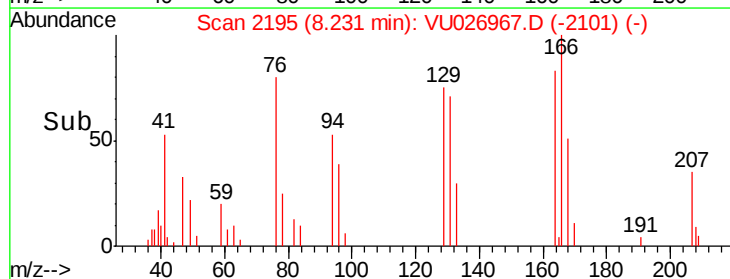
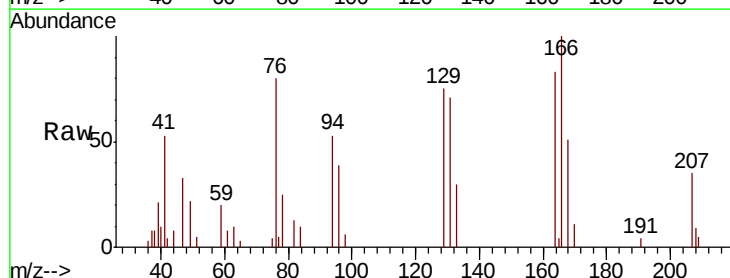
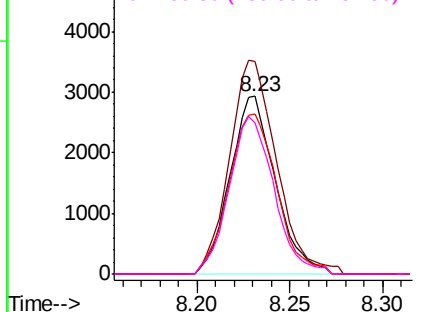
Abundance

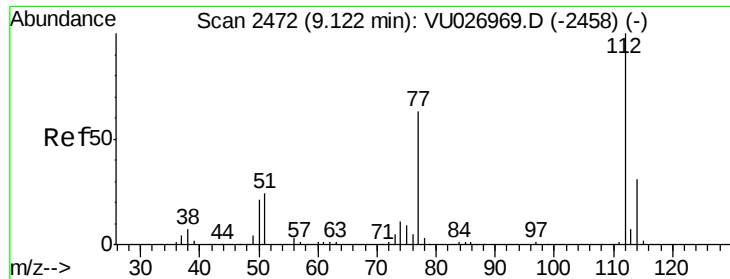
Ion 163.80 (163.50 to 164.50): V

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





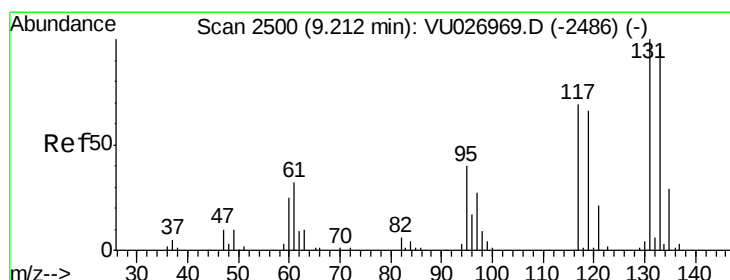
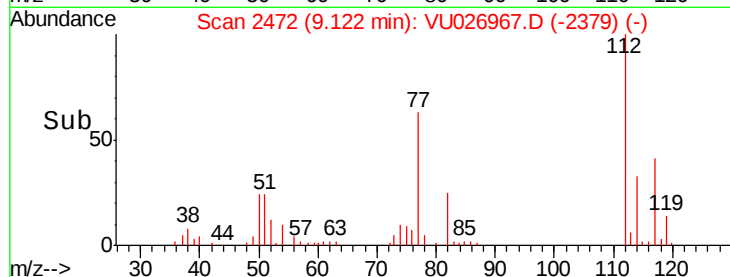
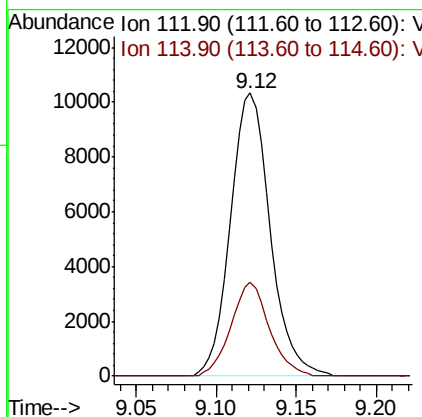
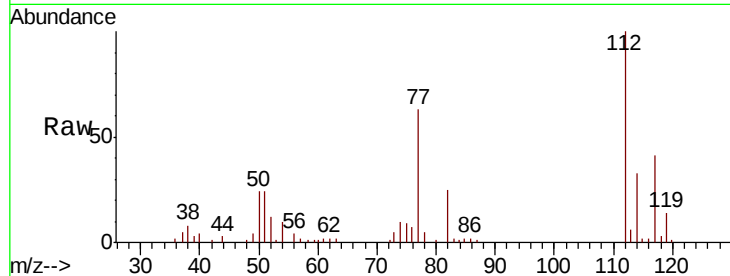
#65
Chlorobenzene
Concen: 5.499 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 17445
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.6

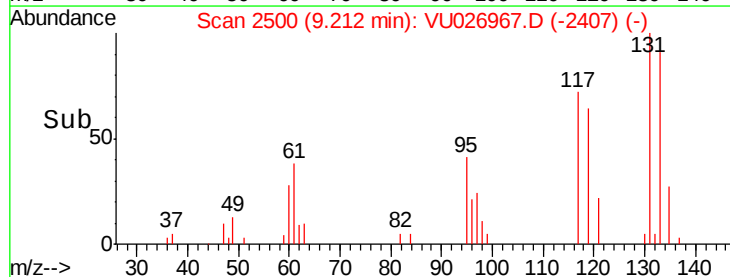
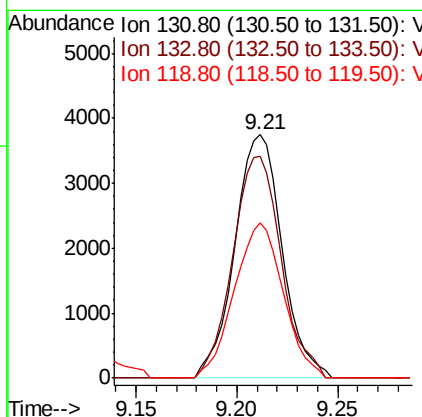
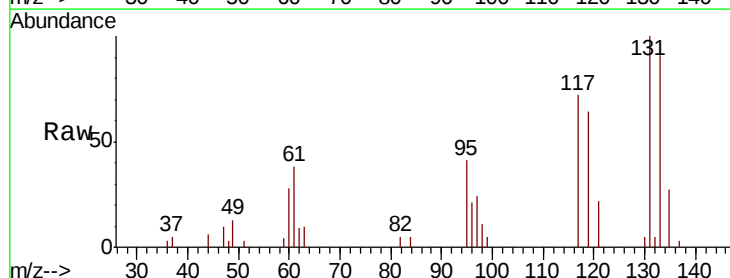
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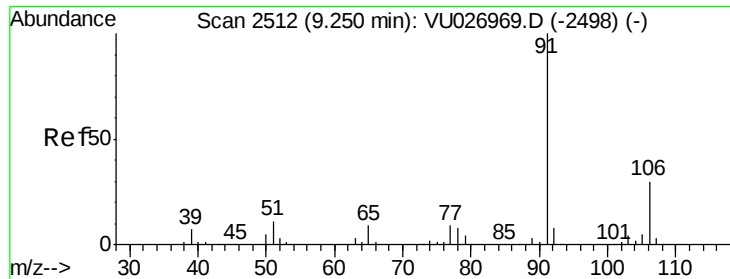
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.308 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion:131 Resp: 6169
Ion Ratio Lower Upper
131 100
133 93.1 48.0 144.2
119 65.8 33.4 100.1





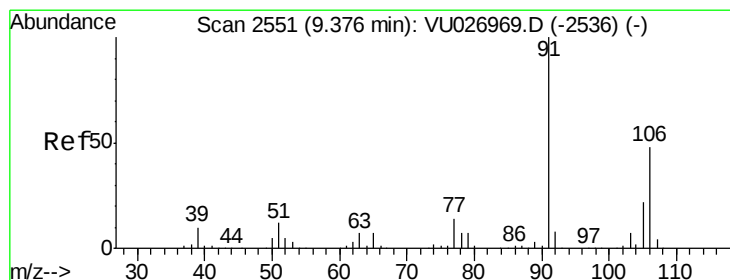
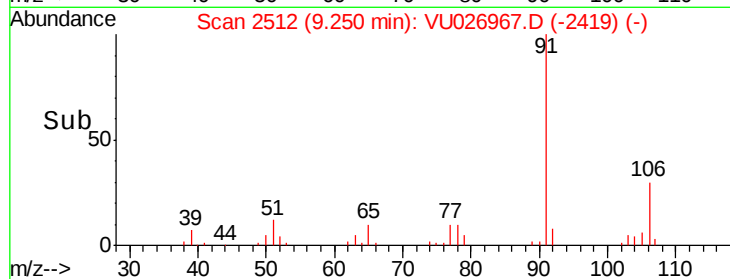
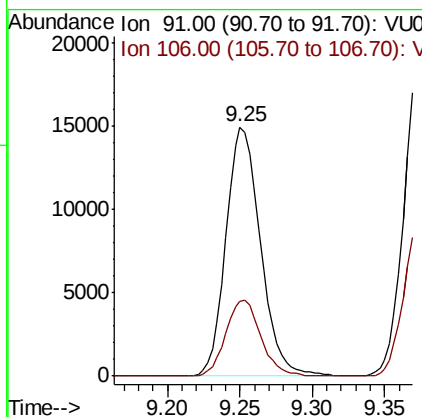
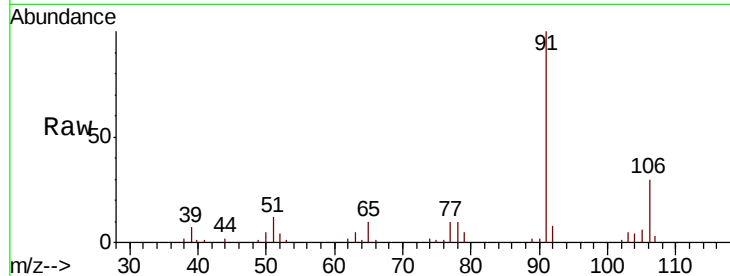
#67
Ethyl Benzene
Concen: 4.692 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 24765
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8

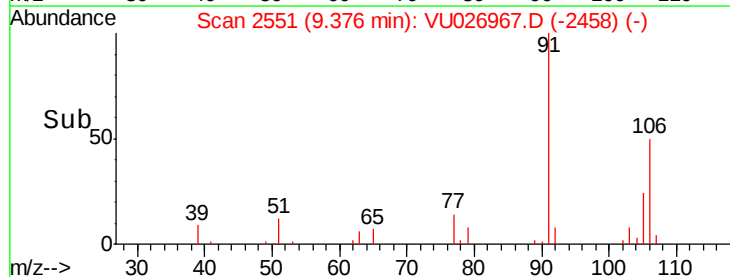
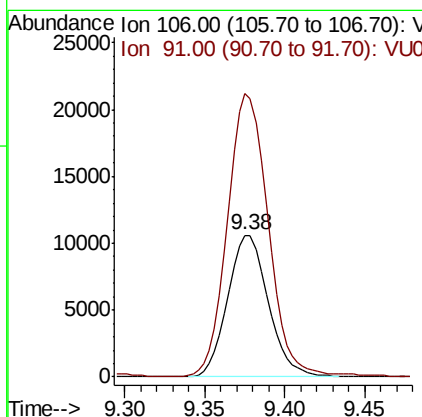
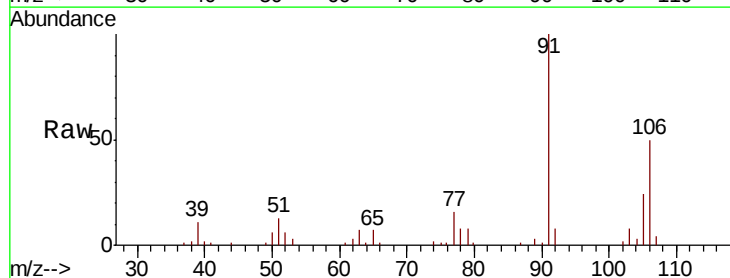
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#68
m/p-Xylenes
Concen: 9.177 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 106 Resp: 18314
Ion Ratio Lower Upper
106 100
91 202.0 166.5 249.7





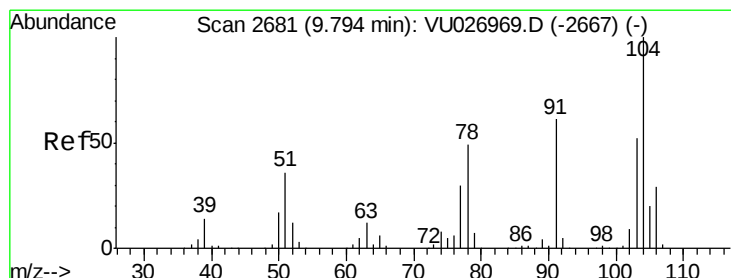
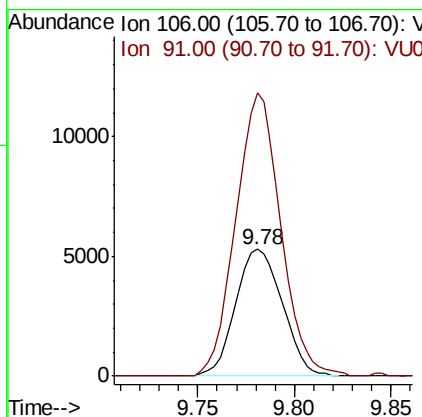
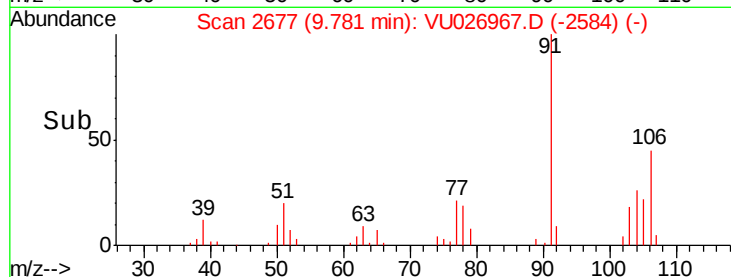
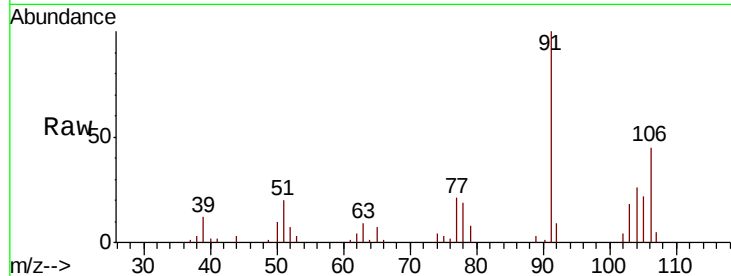
#69
o-Xylene
Concen: 4.600 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 8904
Ion Ratio Lower Upper
106 100
91 214.5 110.2 330.6

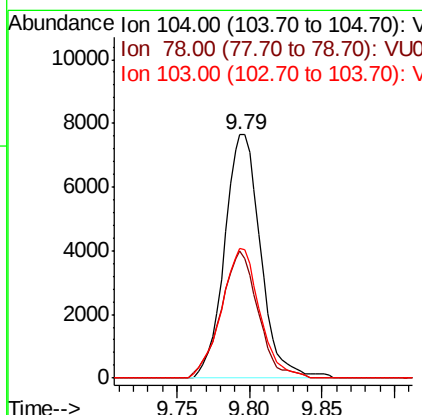
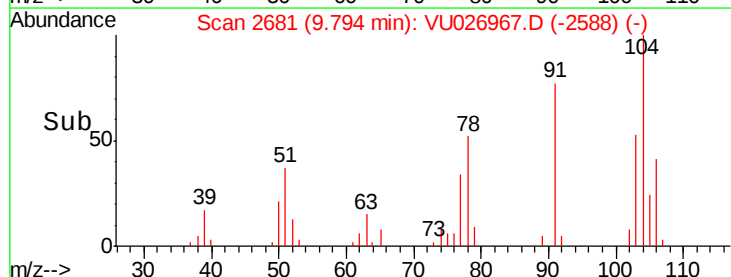
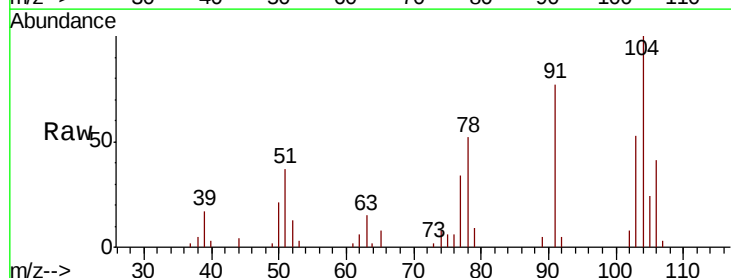
Manual Integrations
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#70
Styrene
Concen: 4.151 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion:104 Resp: 13171
Ion Ratio Lower Upper
104 100
78 53.9 43.0 64.4
103 56.6 44.1 66.1





#71

Bromoform

Concen: 4.547 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 4498

Ion Ratio Lower Upper

173 100

175 44.9 23.9 71.8

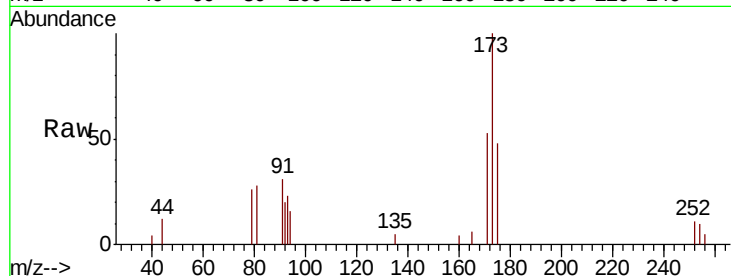
254 0.0 0.0 0.0

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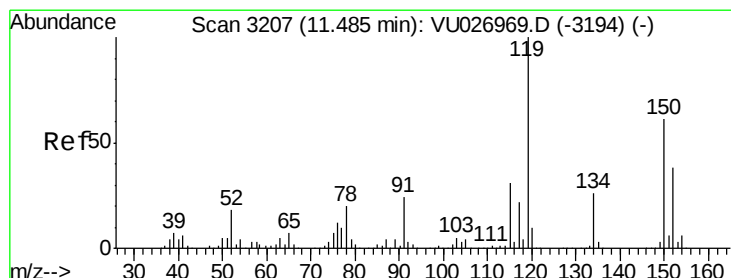
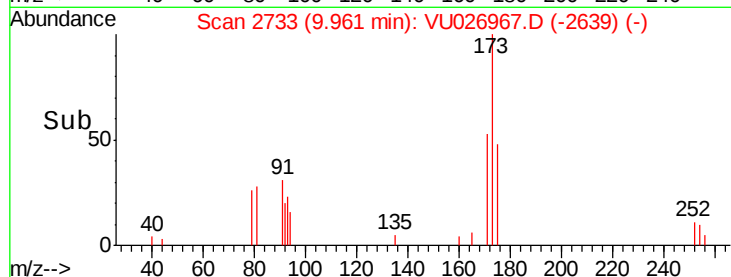
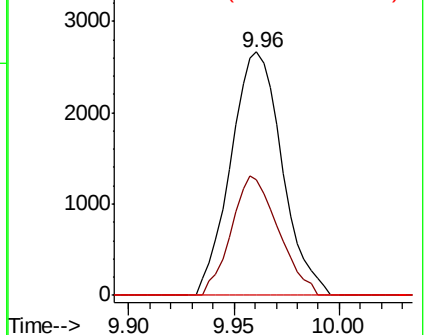
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VU026967.D

Acq: 21 Sep 2018 14:51

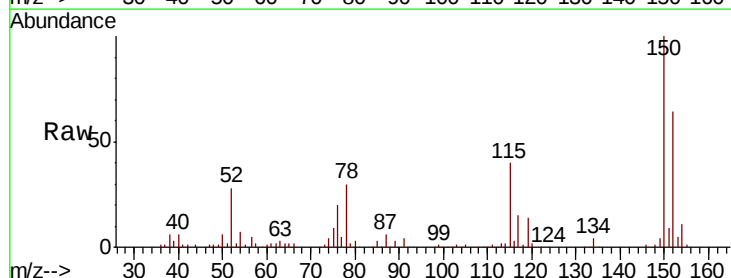
Tgt Ion:152 Resp: 61845

Ion Ratio Lower Upper

152 100

115 62.9 44.9 134.5

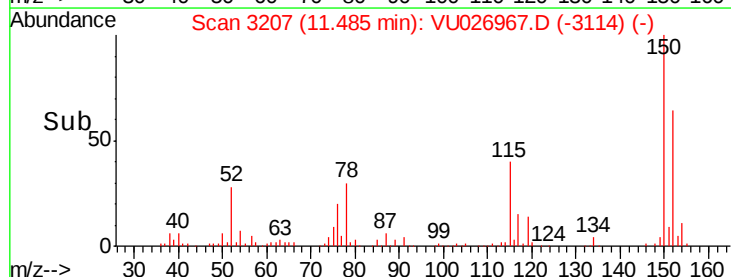
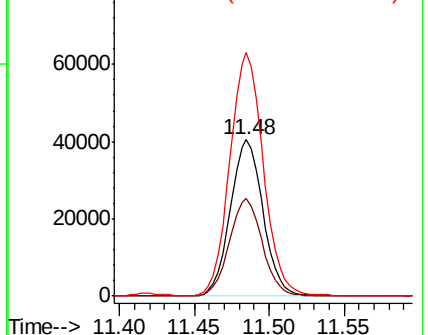
150 159.8 0.0 355.8

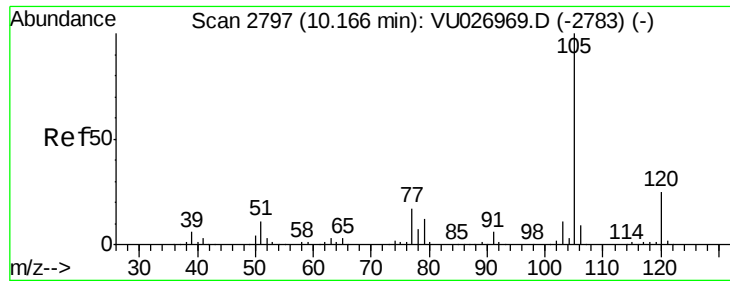


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.268 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 22743

Ion Ratio Lower Upper

105 100

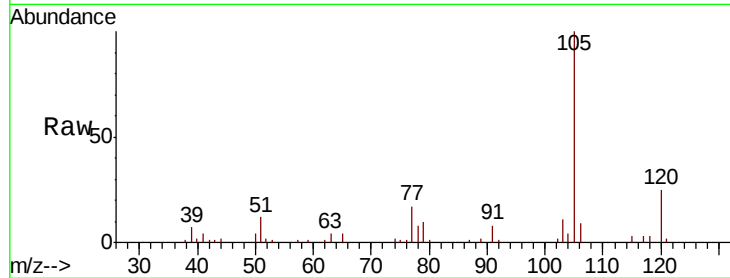
120 24.8 12.8 38.4

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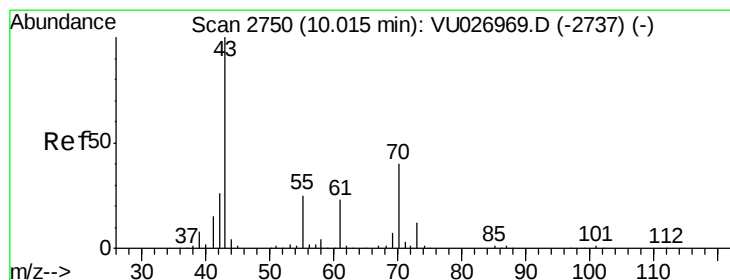
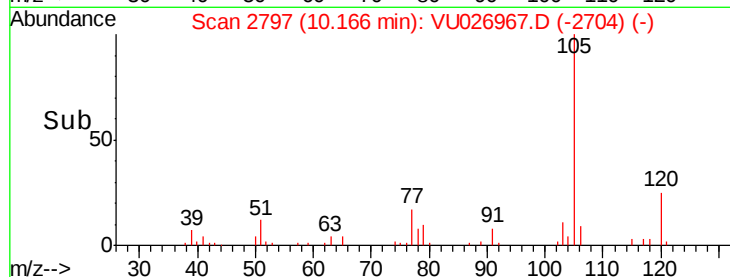
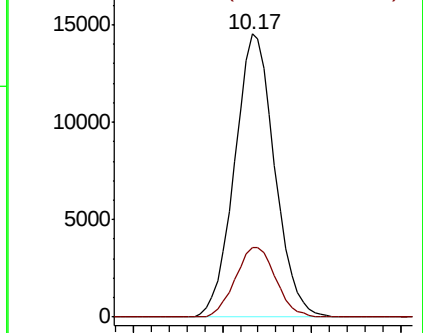
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9/24/2018 2:14:02 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.952 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion: 43 Resp: 12531

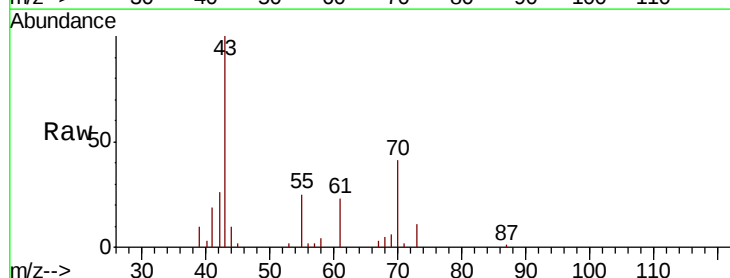
Ion Ratio Lower Upper

43 100

70 38.2 31.8 47.8

55 24.2 19.9 29.9

61 20.4 18.4 27.6

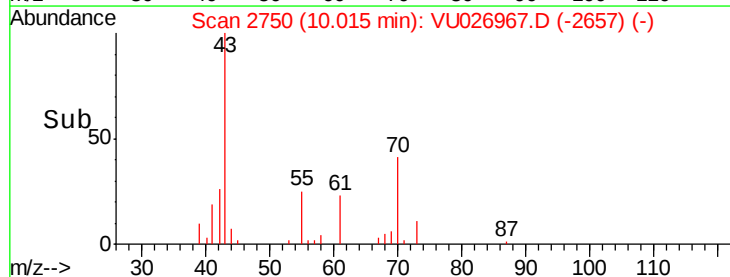
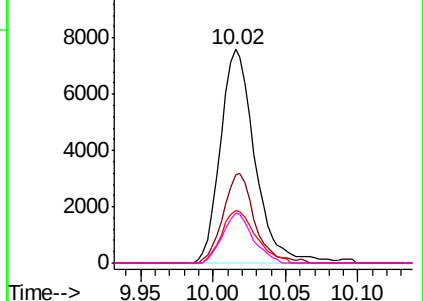


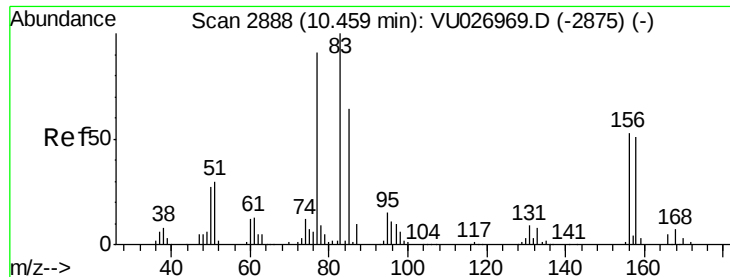
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





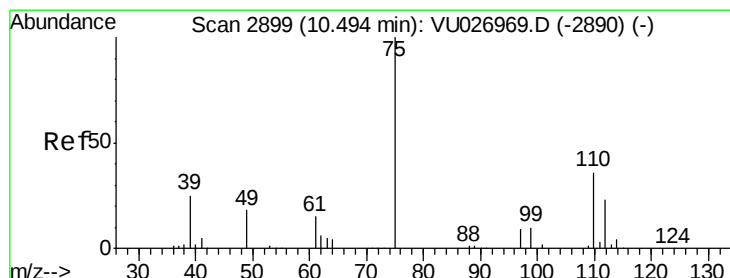
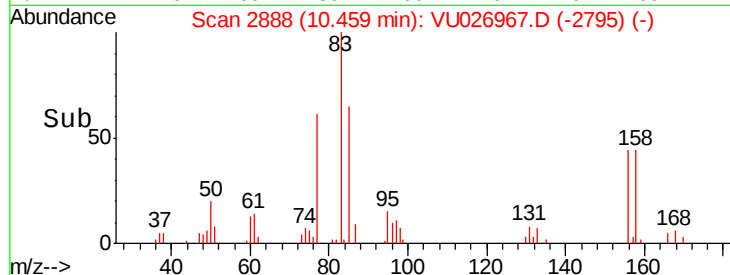
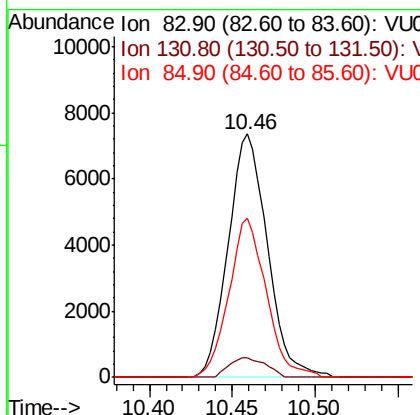
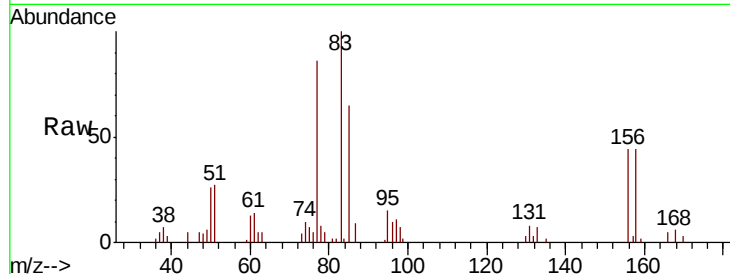
#75
 1,1,2,2-Tetrachloroethane
 Concen: 6.800 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	12101		
131	7.5	4.3	12.8	
85	62.2	31.9	95.7	

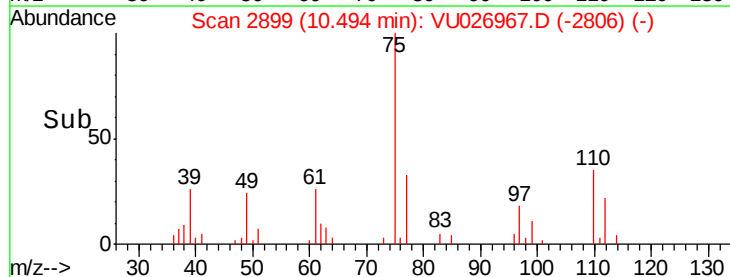
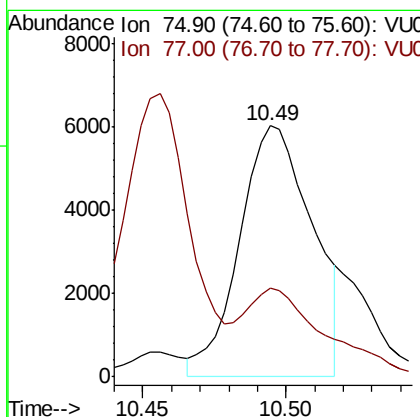
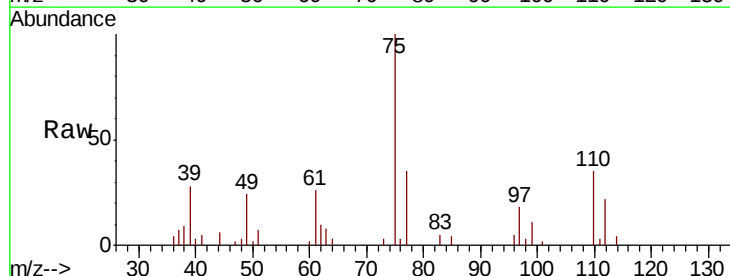
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#76
 1,2,3-Trichloropropane
 Concen: 7.381 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10687		
77	38.9	20.9	62.8	





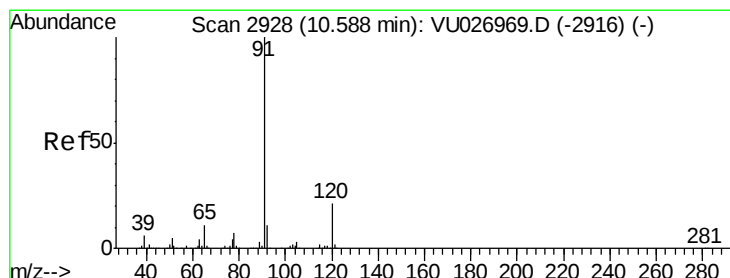
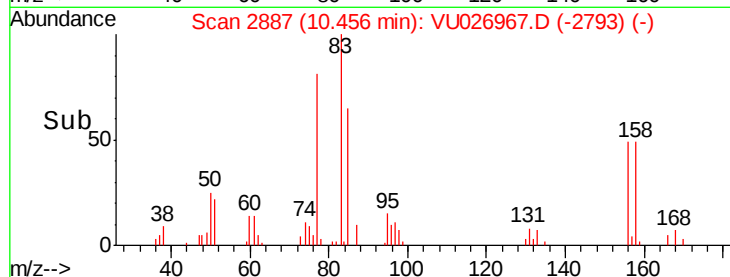
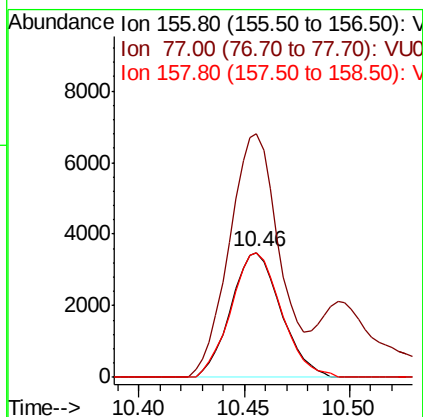
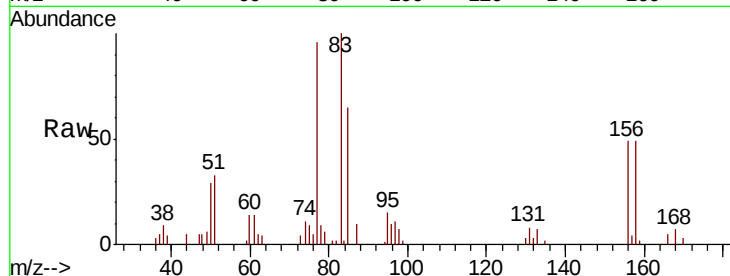
#77
Bromobenzene
Concen: 4.997 ug/l
RT: 10.46 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.4	92.3	276.9
158	99.9	48.1	144.3

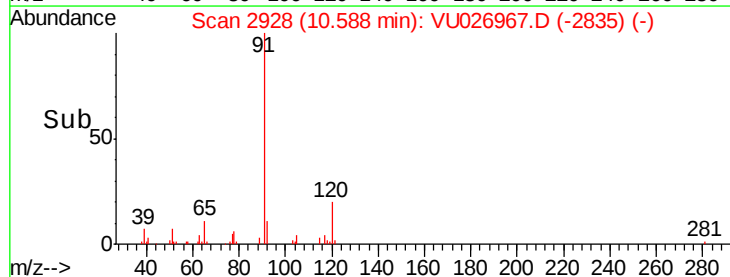
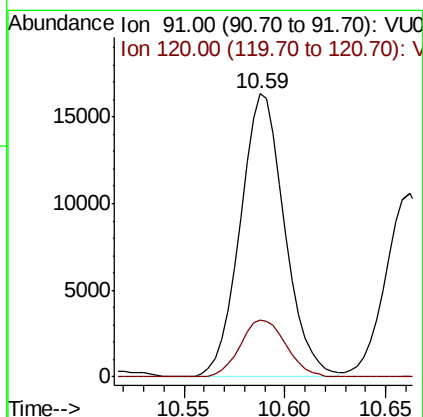
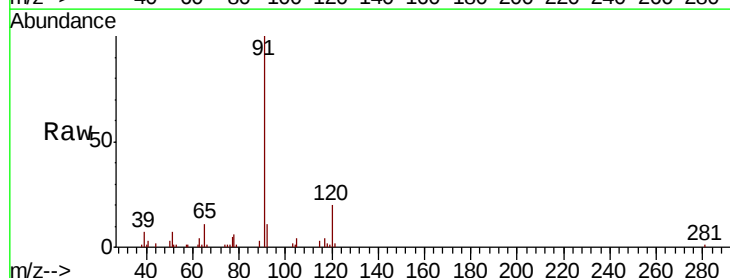
Manual Integrations
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#78
n-propylbenzene
Concen: 5.007 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.6	31.8





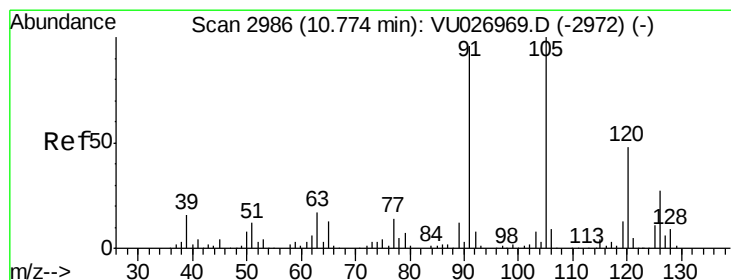
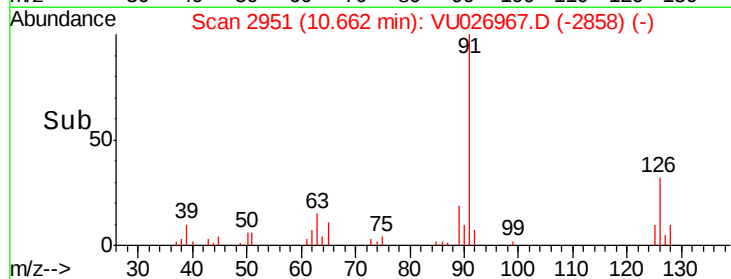
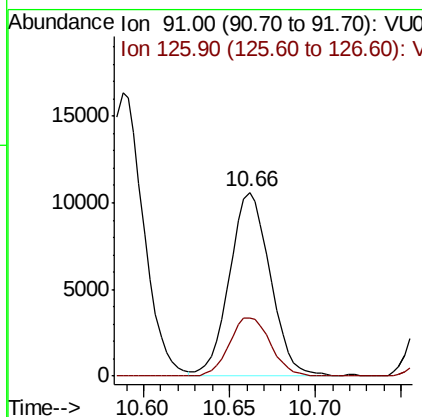
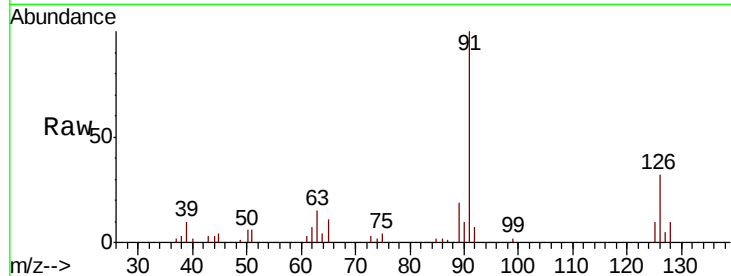
#79
 2-Chlorotoluene
 Concen: 5.599 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 17499
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.8 47.3

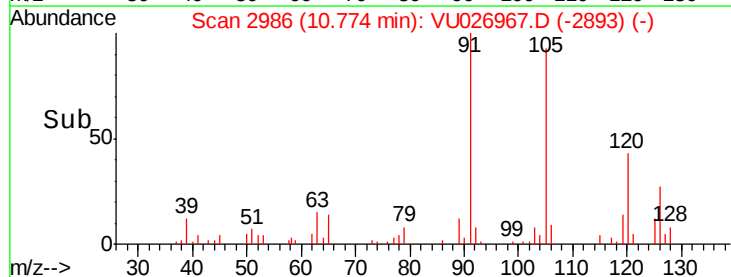
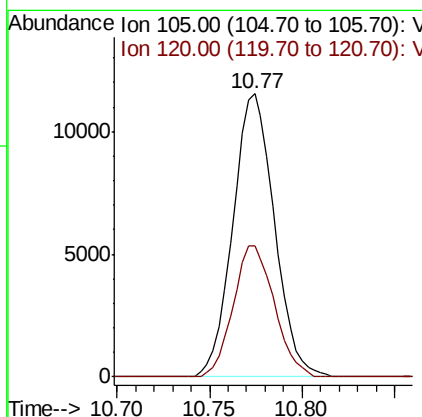
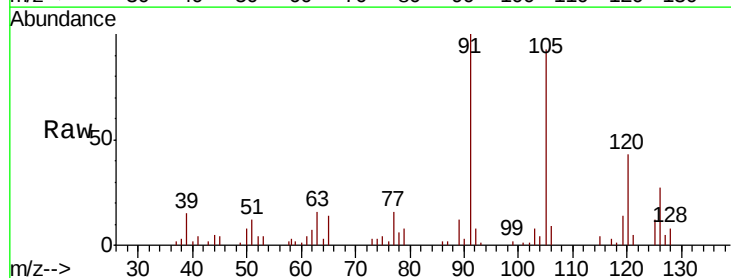
Manual Integrations
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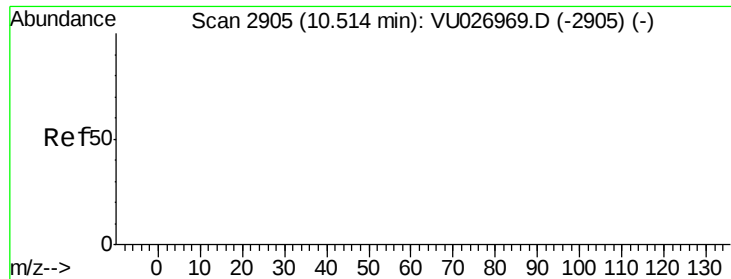
MMDadoda
 9/24/2018 2:14:02 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.946 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 105 Resp: 17917
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.9 71.7





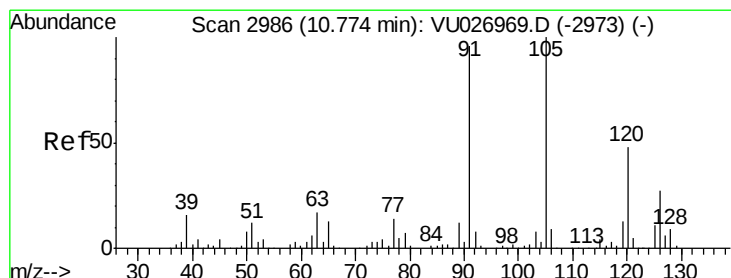
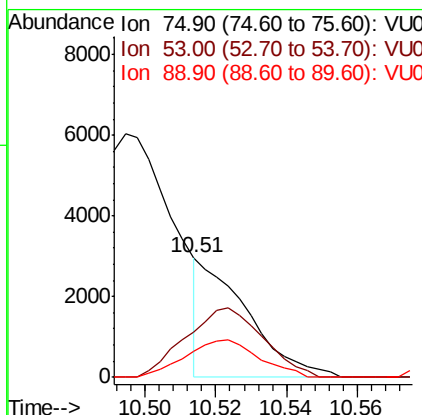
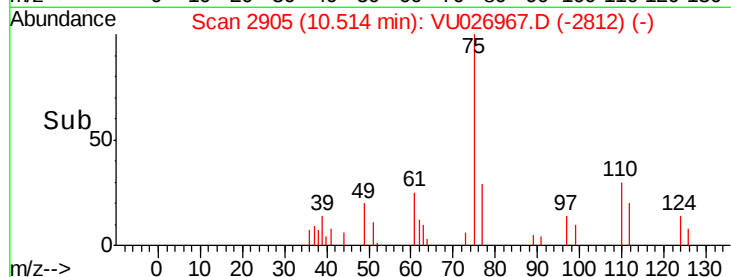
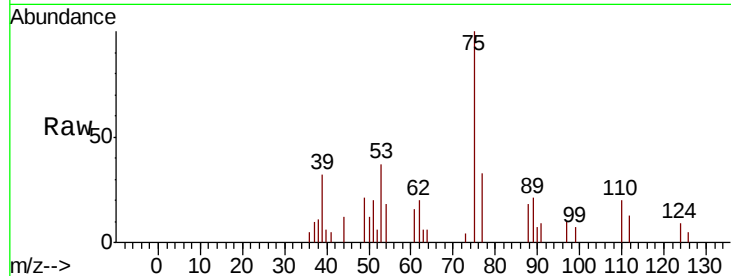
#81
trans-1,4-Dichloro-2-butene
Concen: 5.534 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

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

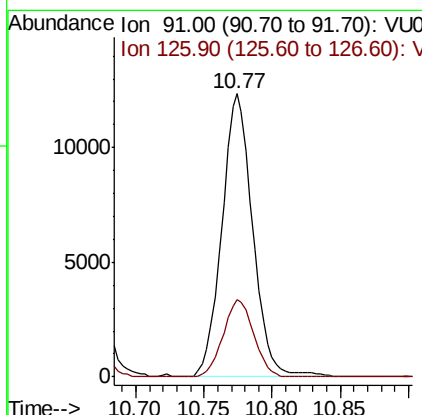
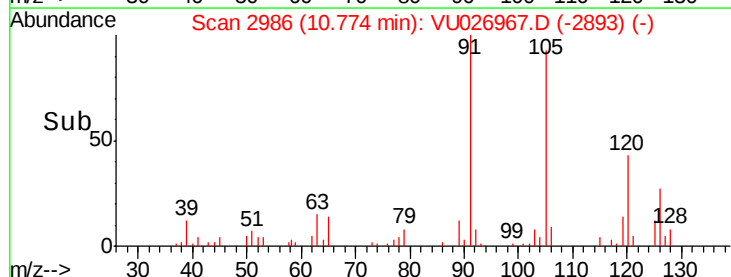
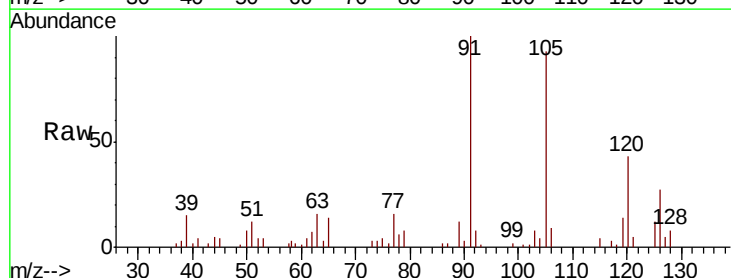
Manual Integrations
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#82
4-Chlorotoluene
Concen: 5.516 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.9	14.1	42.2





#83

tert-Butylbenzene

Concen: 4.944 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

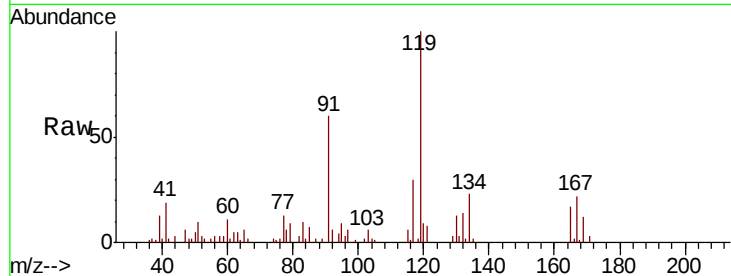
ClientSampleId :

VSTDIC005

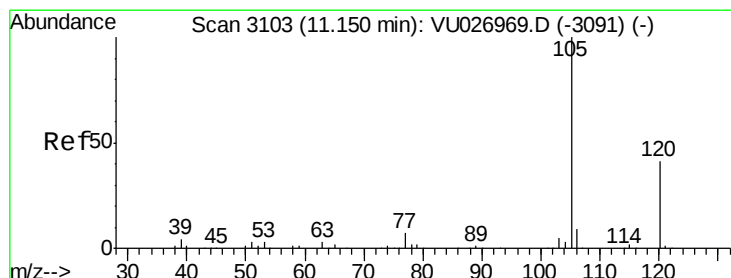
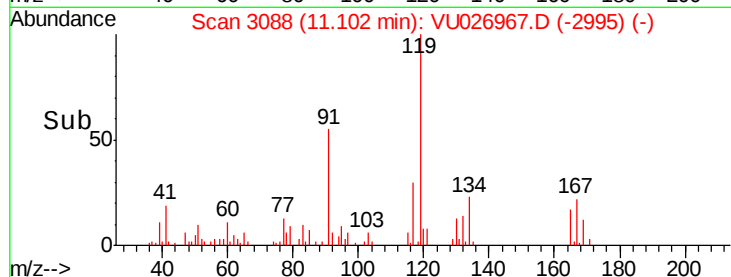
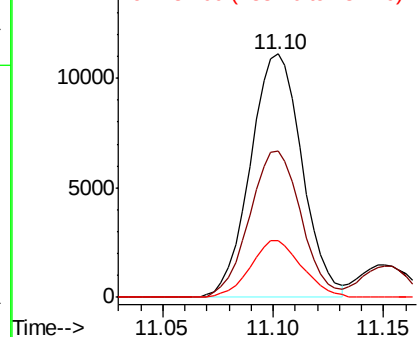
Tot Ion:	119	Resp:	18009
Ion Ratio	Lower	Upper	
119	100		
91	60.1	29.8	89.4
134	23.3	11.5	34.4

Manual Integrations
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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: 4.893 ug/l

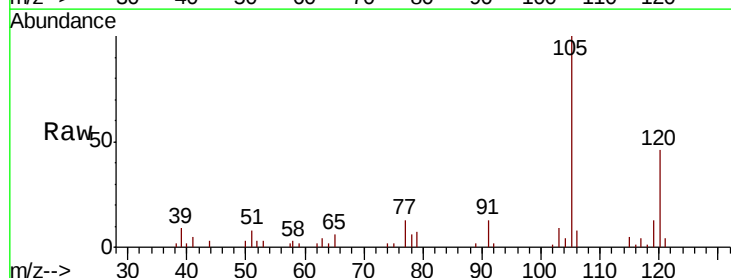
RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

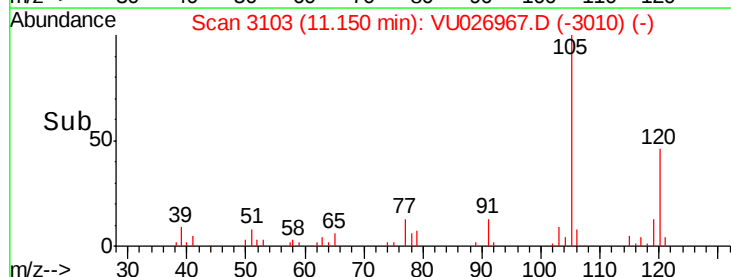
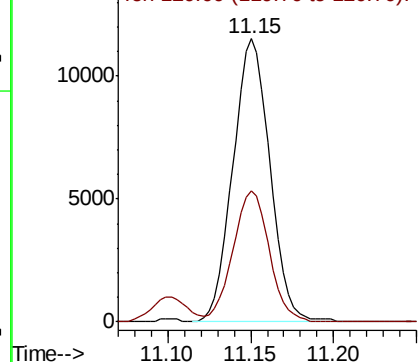
Lab File: VU026967.D

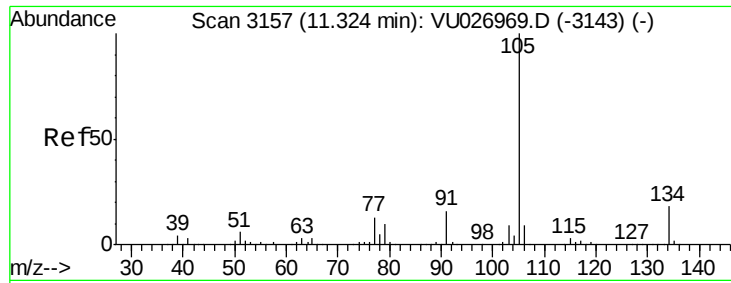
Acq: 21 Sep 2018 14:51

Tgt Ion:	105	Resp:	17911
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.4	67.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





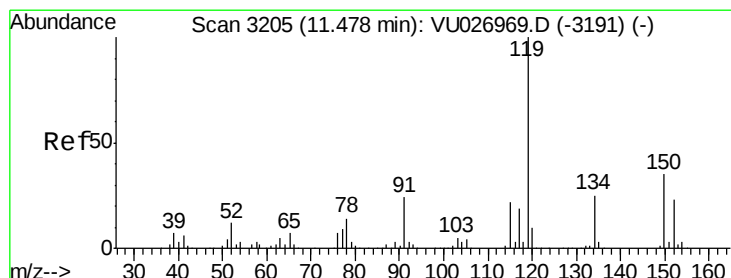
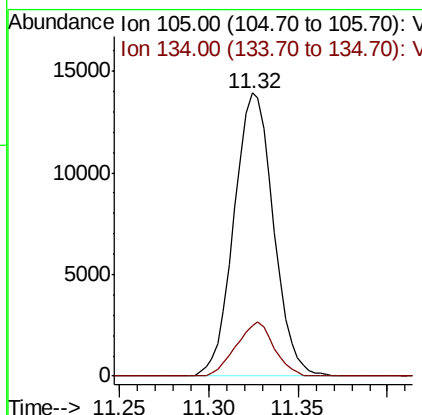
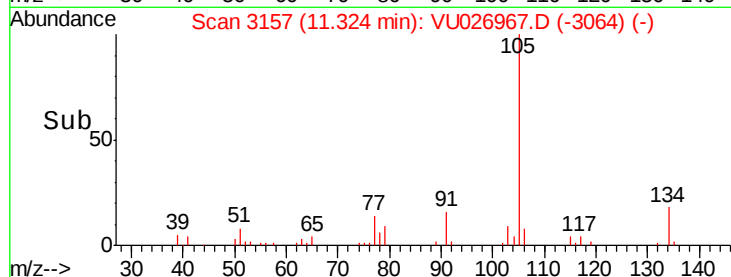
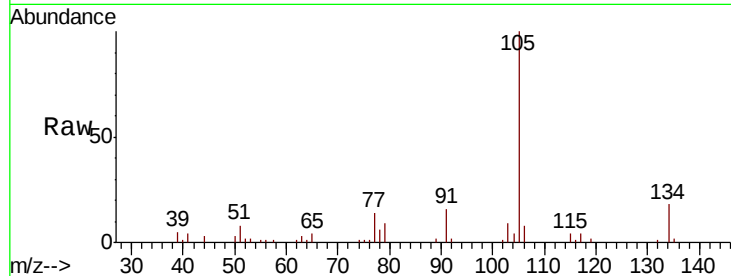
#85
 sec-Butylbenzene
 Concen: 4.942 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.2	9.4	28.2

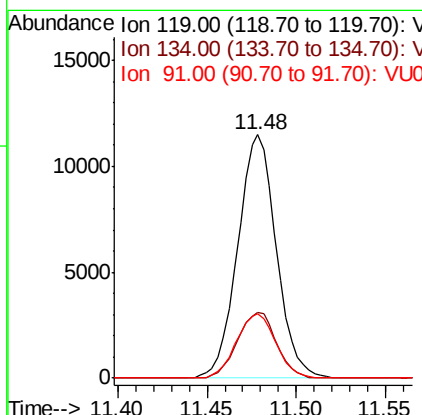
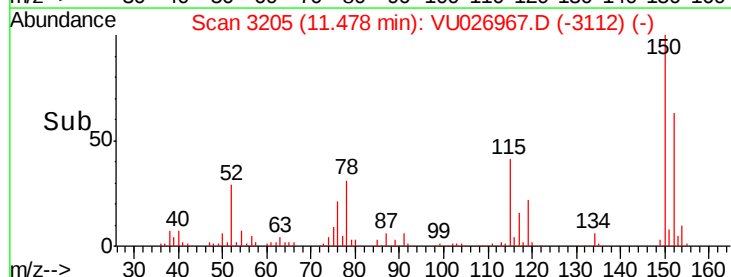
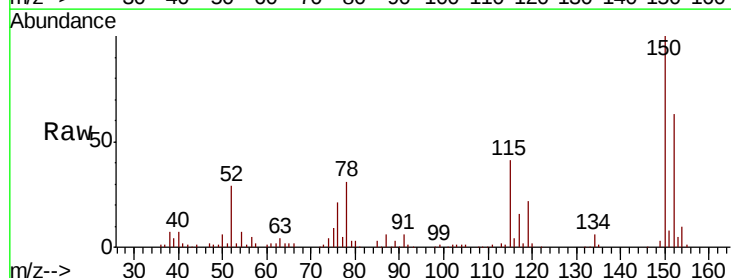
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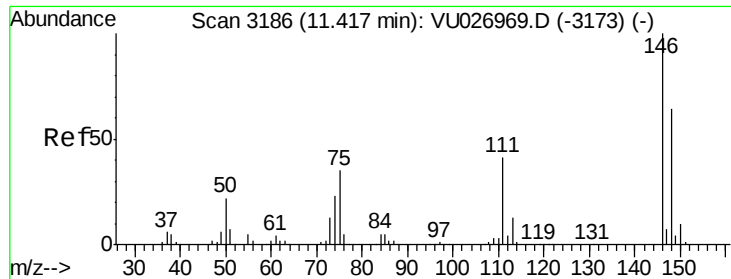
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#86
 p-Isopropyltoluene
 Concen: 4.581 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	12.8	38.3
91	27.2	12.3	36.8





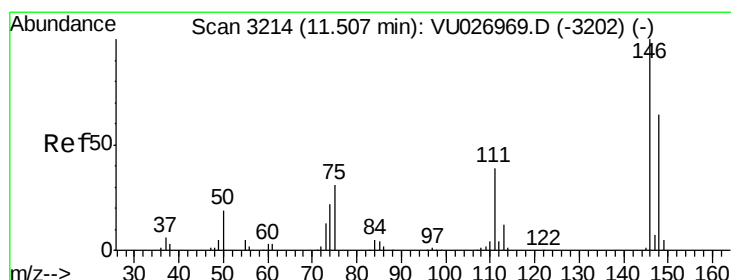
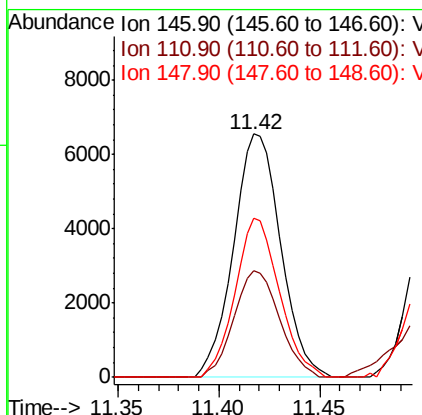
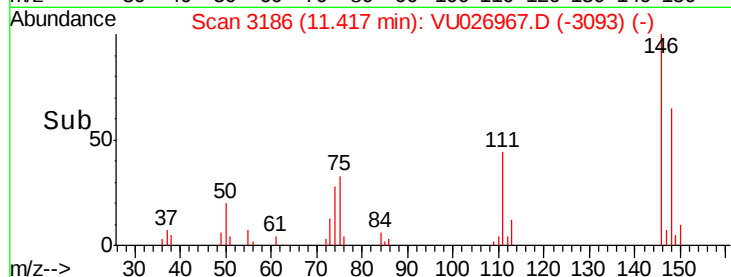
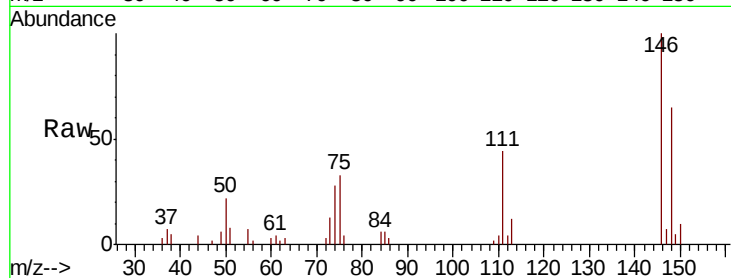
#87
 1,3-Dichlorobenzene
 Concen: 4.995 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.2
148	61.3	32.0	96.2

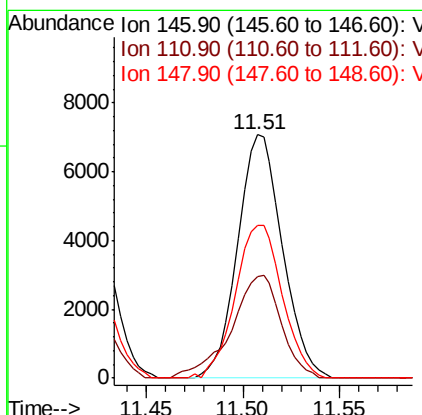
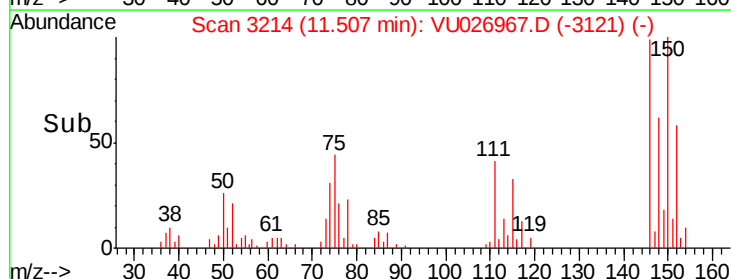
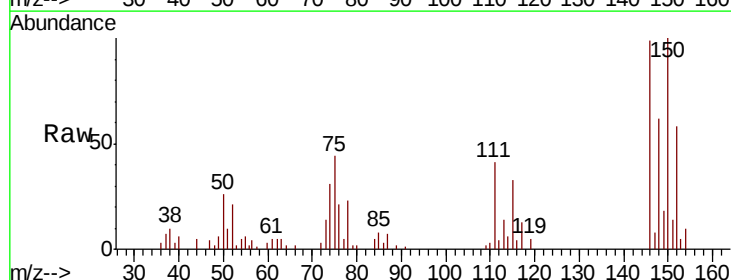
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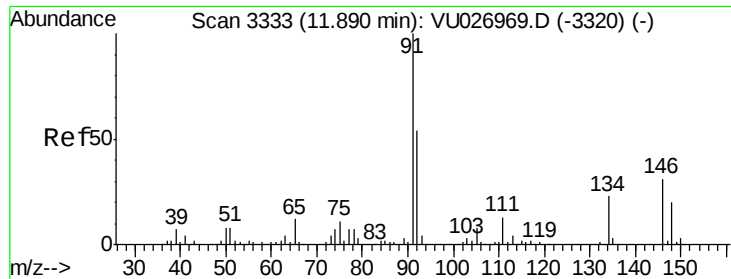
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#88
 1,4-Dichlorobenzene
 Concen: 5.111 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	20.3	60.9
148	66.1	31.9	95.9





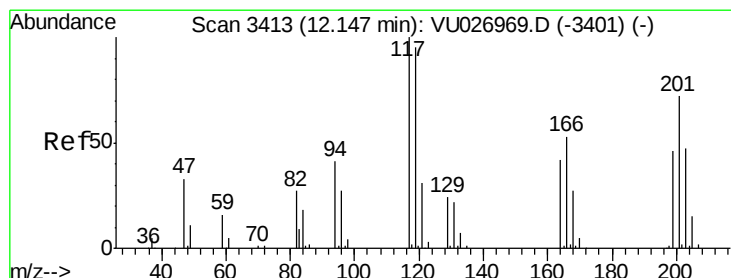
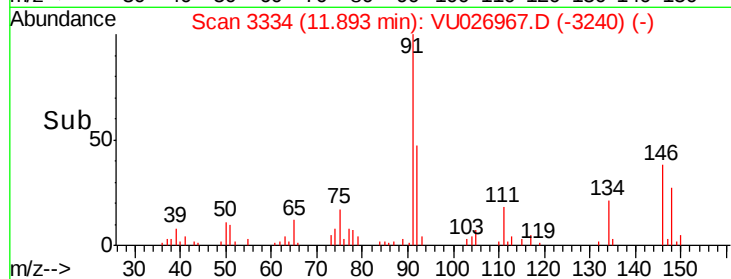
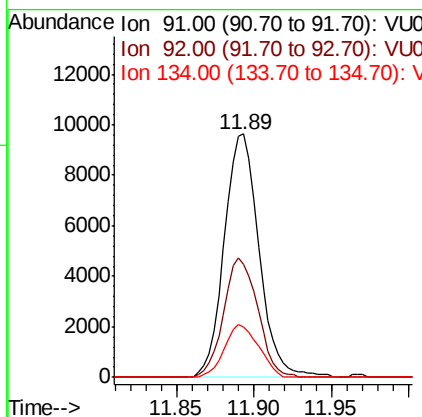
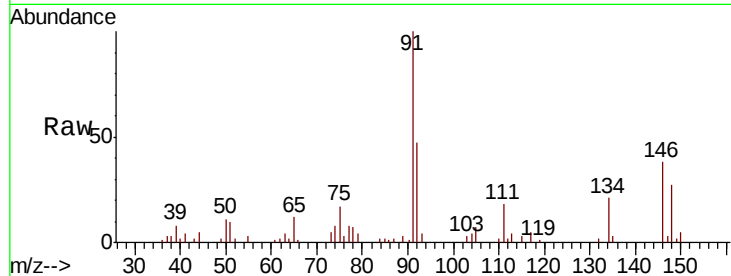
#89
n-Butylbenzene
Concen: 4.485 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.3	27.1	81.2
134	21.3	11.7	35.0

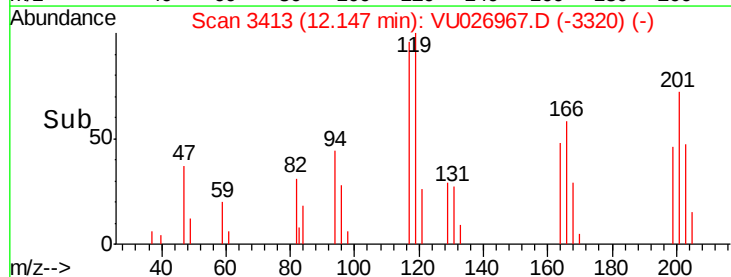
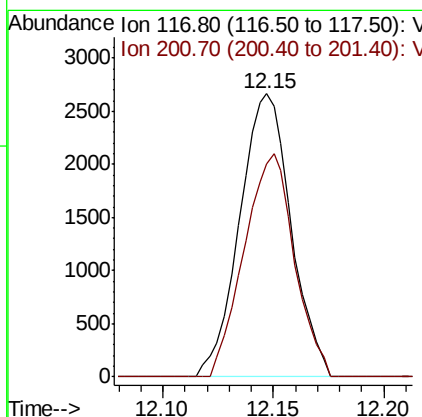
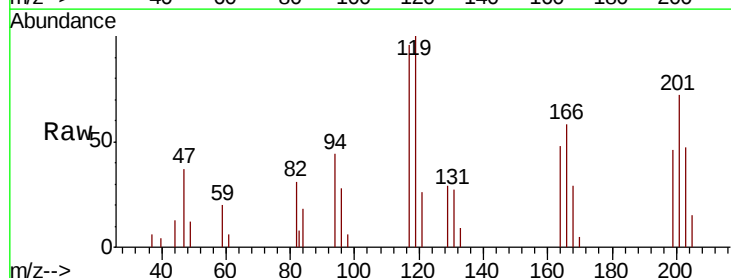
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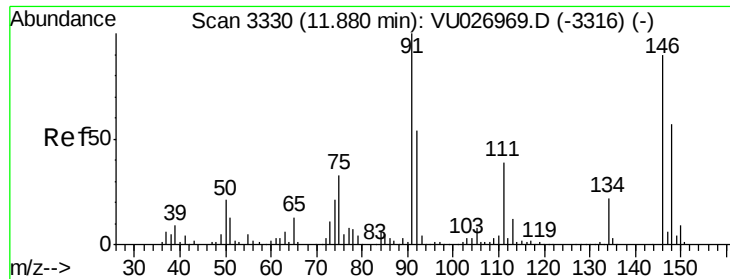
MMDadoda
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#90
Hexachloroethane
Concen: 5.657 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	36.8	110.3





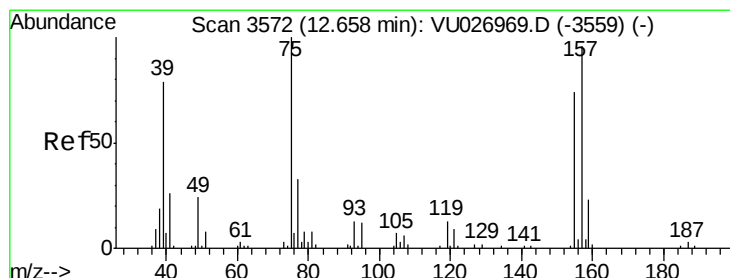
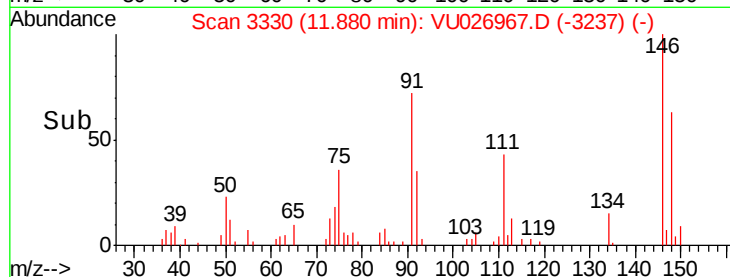
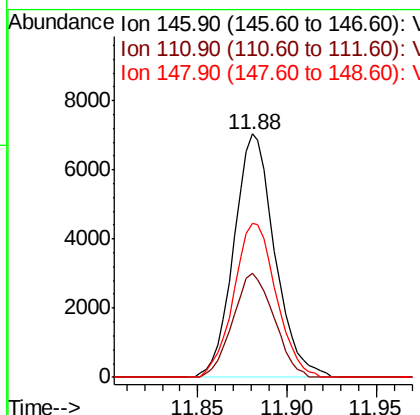
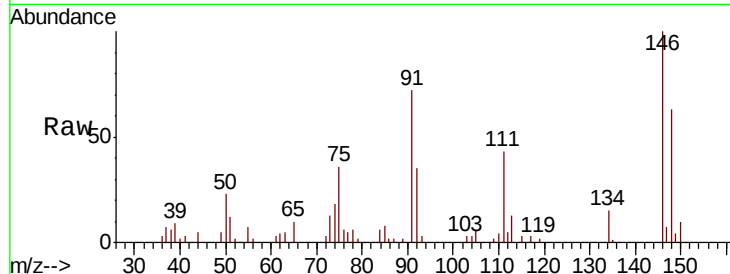
#91
 1,2-Dichlorobenzene
 Concen: 5.218 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	65.6	31.9	95.7

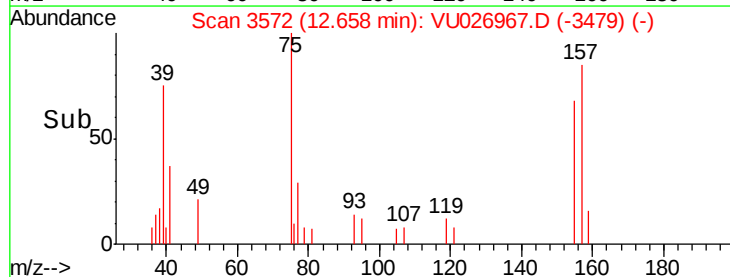
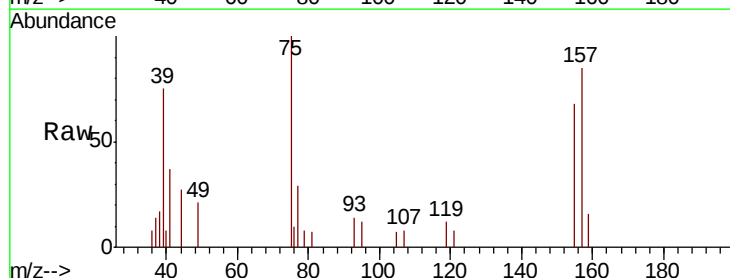
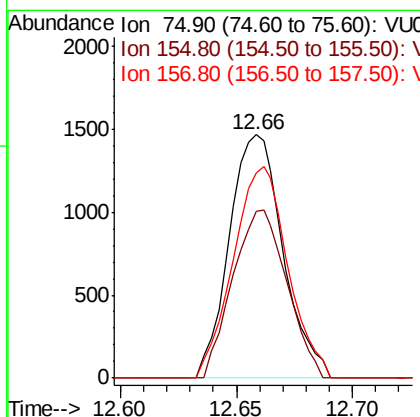
Manual Integrations
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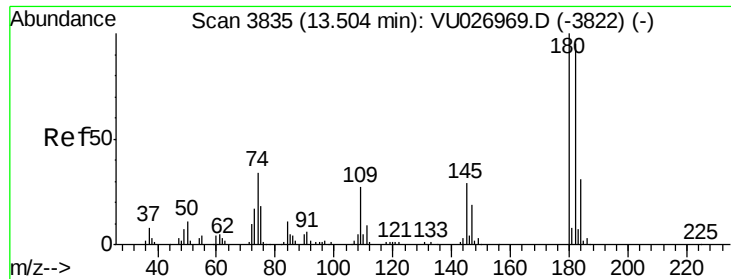
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.605 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.4	36.6	109.8
157	88.3	47.4	142.2





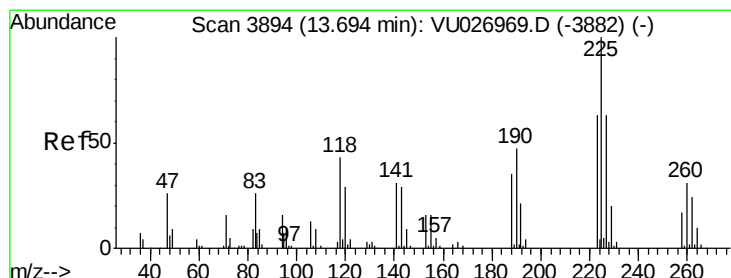
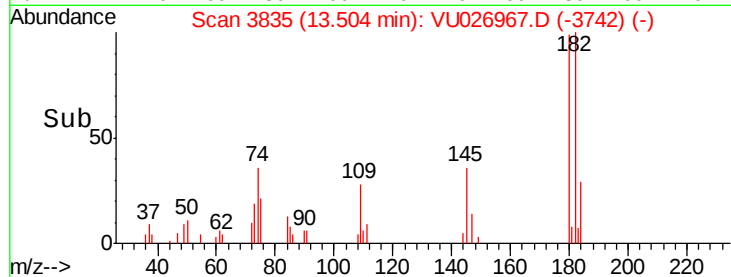
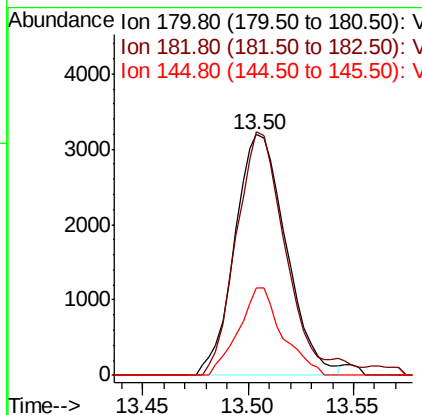
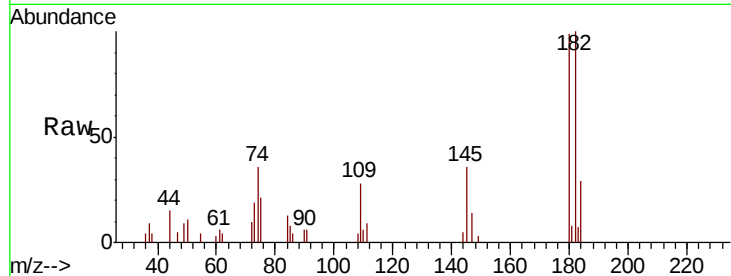
#93
 1,2,4-Trichlorobenzene
 Concen: 3.822 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	5390		
182	98.3	47.4	142.2	
145	30.8	14.9	44.5	

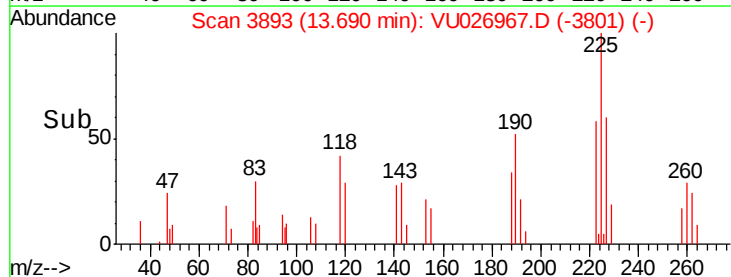
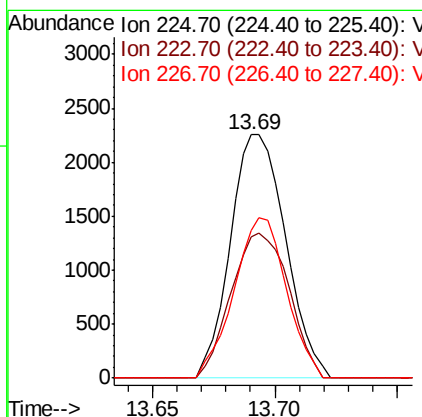
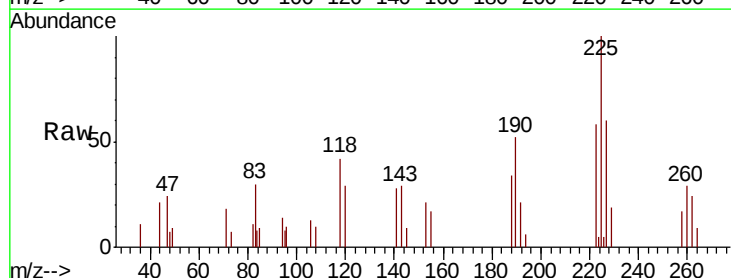
Manual Integrations
 APPROVED

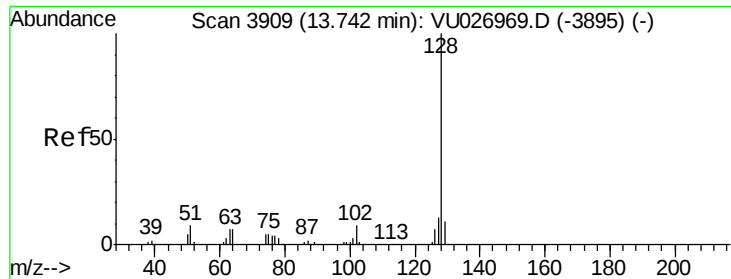
MMDadoda
 9/24/2018 2:14:02 PM



#94
 Hexachlorobutadiene
 Concen: 4.874 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	3534		
223	62.5	31.9	95.7	
227	62.5	32.1	96.5	





#95

Naphthalene

Concen: 3.960 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 17279

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

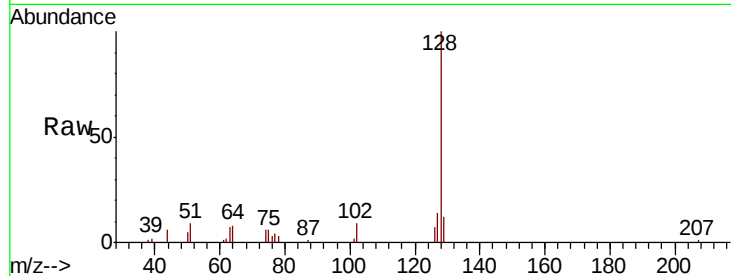
129 9.6 8.6 12.8

Manual Integrations

APPROVED

MMDadoda

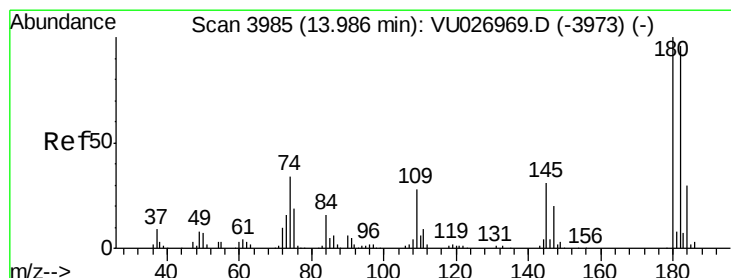
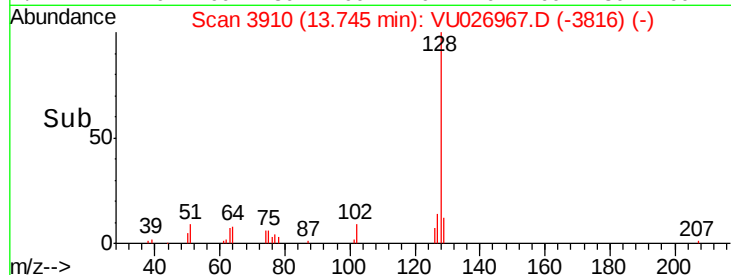
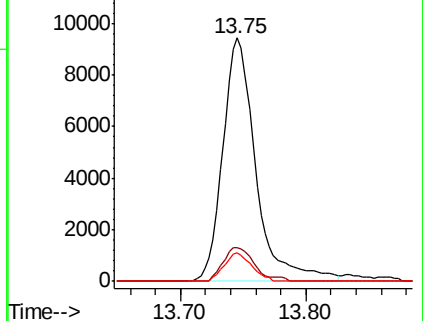
9/24/2018 2:14:02 PM



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: 4.139 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

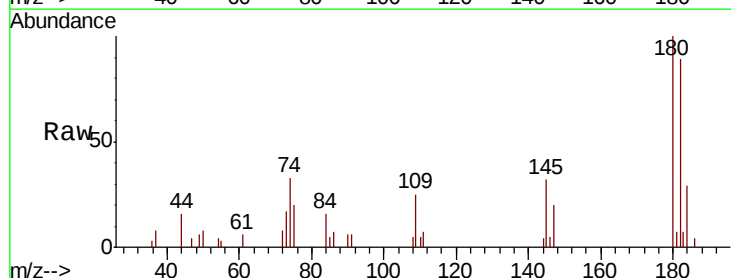
Tgt Ion:180 Resp: 6127

Ion Ratio Lower Upper

180 100

182 93.2 47.5 142.5

145 32.2 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

