

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092218\
 Data File : VU026969.D
 Acq On : 21 Sep 2018 15:38
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:05 PM

Quant Time: Sep 22 01:06:08 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	85803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142460	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	143267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86160	62.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.18%	
35) Dibromofluoromethane	4.88	113	62482	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
50) Toluene-d8	7.57	98	243494	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
62) 4-Bromofluorobenzene	10.31	95	83533	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54810	57.288	ug/l	100
3) Chloromethane	1.33	50	90548	65.151	ug/l	100
4) Vinyl Chloride	1.40	62	87692	62.233	ug/l	100
5) Bromomethane	1.62	94	46316	53.579	ug/l	100
6) Chloroethane	1.69	64	56063	62.269	ug/l	100
7) Trichlorofluoromethane	1.88	101	99966	55.702	ug/l	100
8) Diethyl Ether	2.11	74	48681	60.484	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	60095	56.139	ug/l	100
10) Methyl Iodide	2.41	142	78364	83.871	ug/l	100
11) Tert butyl alcohol	2.83	59	96490	288.751	ug/l	100
12) 1,1-Dichloroethene	2.28	96	57503	56.664	ug/l	100
13) Acrolein	2.20	56	56348	259.180	ug/l	100
14) Allyl chloride	2.59	41	120447	63.682	ug/l	100
15) Acrylonitrile	2.94	53	252957	345.803	ug/l	100
16) Acetone	2.32	43	238248	305.408	ug/l	100
17) Carbon Disulfide	2.48	76	186207	57.289	ug/l	100
18) Methyl Acetate	2.62	43	123215	71.160	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	221144	62.105	ug/l	100
20) Methylene Chloride	2.70	84	72540	58.435	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	64128	59.528	ug/l	100
22) Diisopropyl ether	3.58	45	270646	68.333	ug/l	100
23) Vinyl Acetate	3.53	43	1156044	343.829	ug/l	100
24) 1,1-Dichloroethane	3.45	63	141022	63.935	ug/l	100
25) 2-Butanone	4.26	43	360522	338.682	ug/l	100
26) 2,2-Dichloropropane	4.23	77	108751	60.703	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	72194	58.527	ug/l	100
28) Bromochloromethane	4.55	49	70501	66.348	ug/l	100
29) Tetrahydrofuran	4.64	42	228832	353.129	ug/l	100
30) Chloroform	4.67	83	129391	60.330	ug/l	100
31) Cyclohexane	5.00	56	129195	56.799	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	105528	59.918	ug/l	100
36) 1,1-Dichloropropene	5.14	75	95893	58.293	ug/l	100
37) Ethyl Acetate	4.38	43	129488	63.736	ug/l	100
38) Carbon Tetrachloride	5.14	117	91370	53.393	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	111639	57.618	ug/l	100
40) Benzene	5.39	78	291055	57.204	ug/l	100
41) Methacrylonitrile	4.55	41	71555	67.586	ug/l	100
42) 1,2-Dichloroethane	5.41	62	111808	60.619	ug/l	100
43) Isopropyl Acetate	5.55	43	195700	63.761	ug/l	100
44) Trichloroethene	6.19	130	62480	50.792	ug/l	100
45) 1,2-Dichloropropane	6.43	63	83735	59.984	ug/l	100
46) Dibromomethane	6.56	93	50138	56.596	ug/l	100
47) Bromodichloromethane	6.76	83	100343	57.190	ug/l	100
48) Methyl methacrylate	6.62	41	100478	66.067	ug/l	100
49) 1,4-Dioxane	6.62	88	40737	1192.023	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	675472	326.260	ug/l	100
52) Toluene	7.64	92	179309	58.982	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	115719	59.148	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	126339	59.896	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	72448	56.027	ug/l	100
56) Ethyl methacrylate	8.02	69	115844	60.800	ug/l	100
57) 1,3-Dichloropropane	8.24	76	136188	60.700	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	344665	352.934	ug/l	100
59) 2-Hexanone	8.36	43	520758	321.388	ug/l	100
60) Dibromochloromethane	8.48	129	71084	51.838	ug/l	100
61) 1,2-Dibromoethane	8.59	107	75485	54.024	ug/l	100
64) Tetrachloroethene	8.23	164	53432	47.440	ug/l	100
65) Chlorobenzene	9.12	112	182386	51.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	65348	50.043	ug/l	100
67) Ethyl Benzene	9.25	91	329384	55.548	ug/l	100
68) m/p-Xylenes	9.38	106	250132	111.553	ug/l	100
69) o-Xylene	9.78	106	118570	54.520	ug/l	100
70) Styrene	9.79	104	199001	55.826	ug/l	100
71) Bromoform	9.96	173	50891	45.783	ug/l #	100
73) Isopropylbenzene	10.17	105	321854	58.057	ug/l	100
74) N-amyl acetate	10.02	43	178869	66.162	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	128523	56.244	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	117022m	62.940	ug/l	
77) Bromobenzene	10.45	156	74168	50.235	ug/l	100
78) n-propylbenzene	10.59	91	394202	60.783	ug/l	100
79) 2-Chlorotoluene	10.66	91	230902	57.540	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	272099	58.503	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	35890m	56.414	ug/l	
82) 4-Chlorotoluene	10.77	91	266008	59.023	ug/l	100
83) tert-Butylbenzene	11.10	119	258040	55.174	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	278460	59.241	ug/l	100
85) sec-Butylbenzene	11.32	105	327187	58.463	ug/l	100
86) p-Isopropyltoluene	11.48	119	281296	57.977	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	136381	49.484	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	140471	48.979	ug/l	100
89) n-Butylbenzene	11.89	91	262469	61.195	ug/l	100
90) Hexachloroethane	12.15	117	51960	53.042	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	138051	49.842	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27689	60.450	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	88882	49.083	ug/l	100
94) Hexachlorobutadiene	13.69	225	44398	47.683	ug/l	100
95) Naphthalene	13.74	128	323263	57.702	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	95529	50.260	ug/l	100

(#) = 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: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 85803

Ion Ratio Lower Upper

168 100

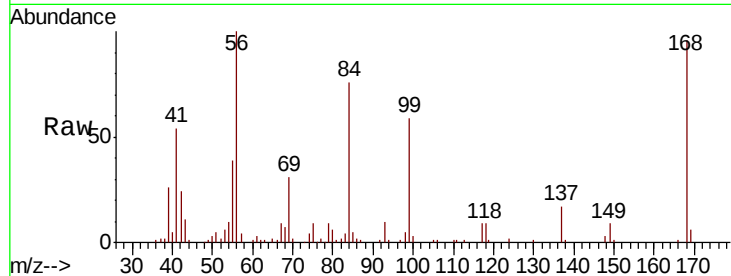
99 60.1 48.1 72.1

Manual Integrations

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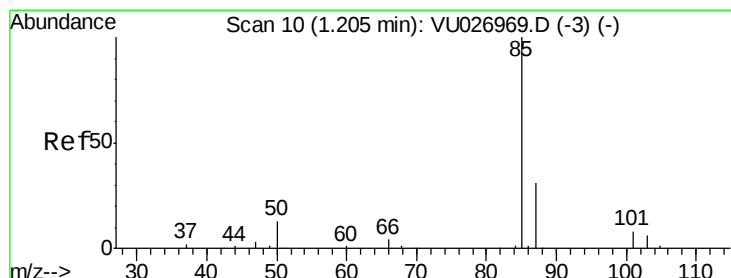
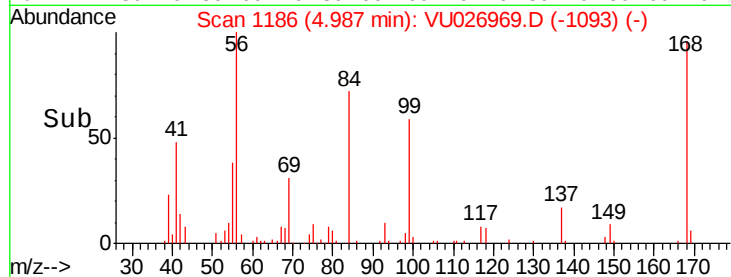
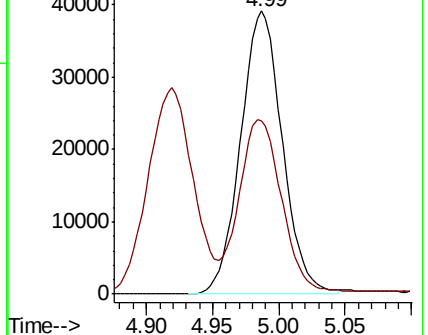
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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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



#2

Dichlorodifluoromethane

Concen: 57.288 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026969.D

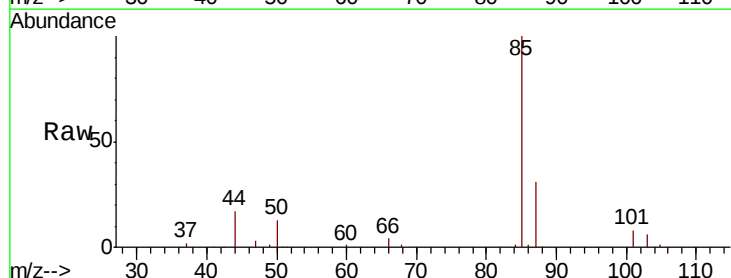
Acq: 21 Sep 2018 15:38

Tgt Ion: 85 Resp: 54810

Ion Ratio Lower Upper

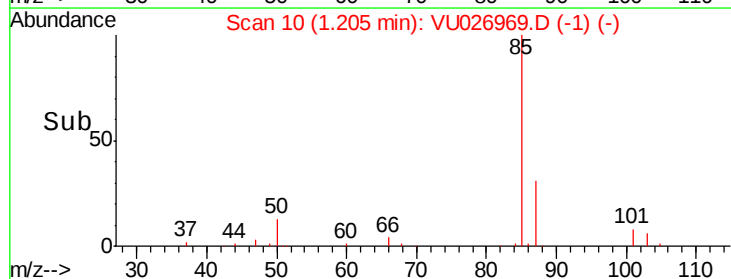
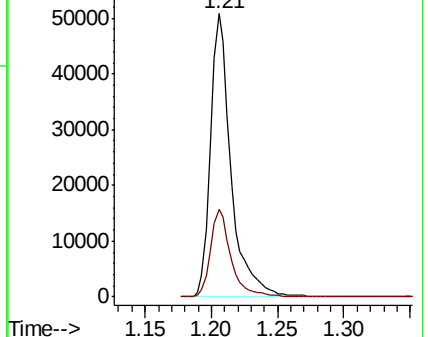
85 100

87 31.1 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) (-)





#3

Chloromethane

Concen: 65.151 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 90548

Ion Ratio Lower Upper

50 100

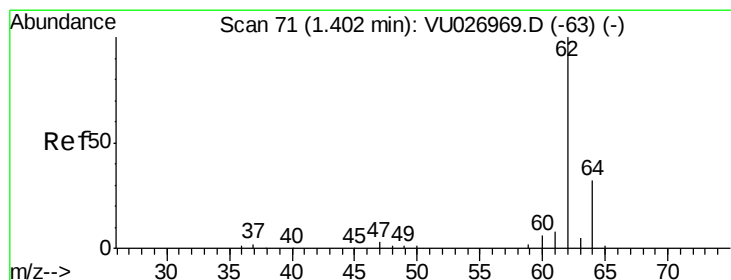
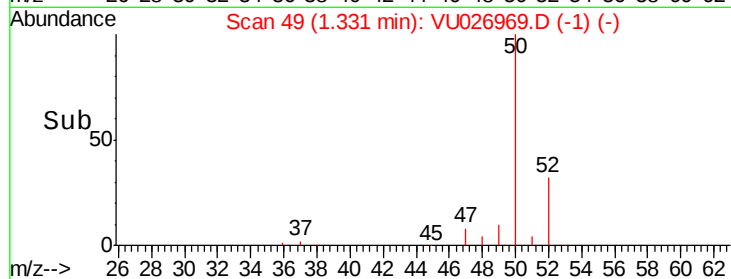
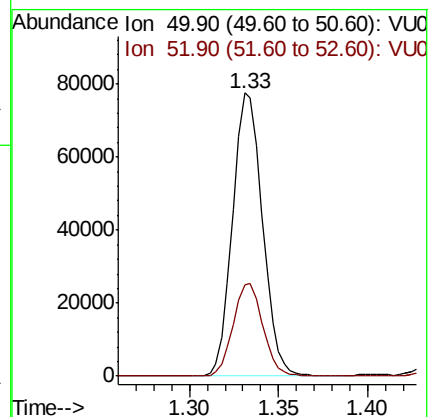
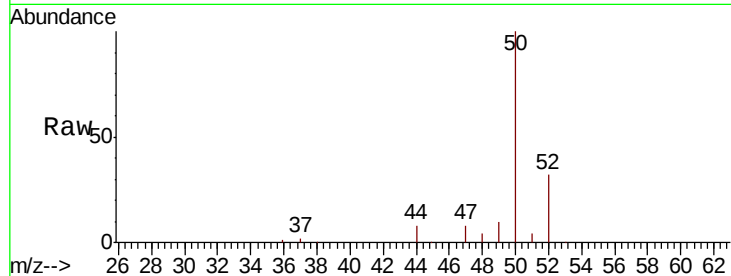
52 32.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 62.233 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026969.D

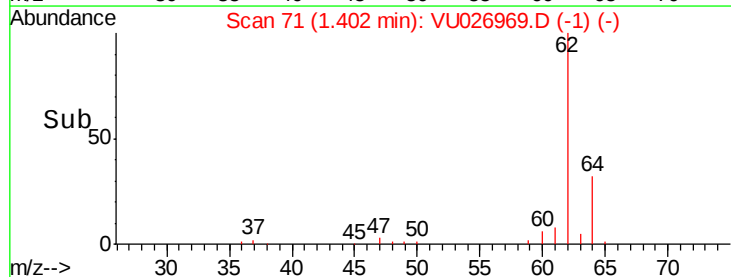
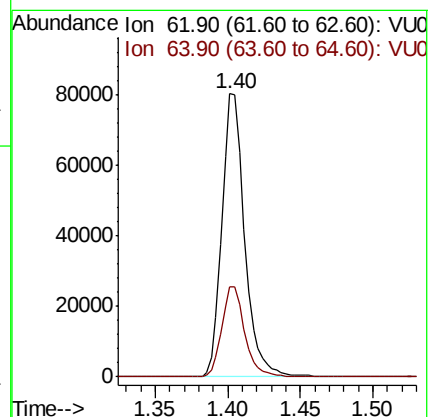
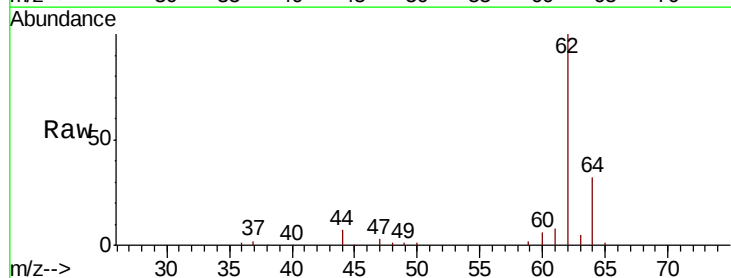
Acq: 21 Sep 2018 15:38

Tgt Ion: 62 Resp: 87692

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 53.579 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 46316

Ion Ratio Lower Upper

94 100

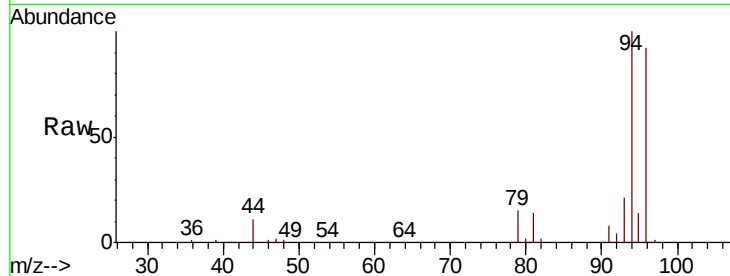
96 91.5 73.2 109.8

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

1.62

40000

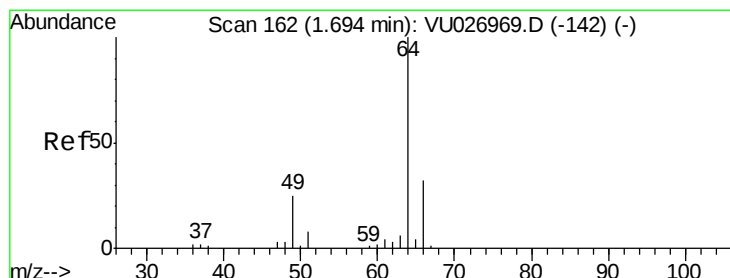
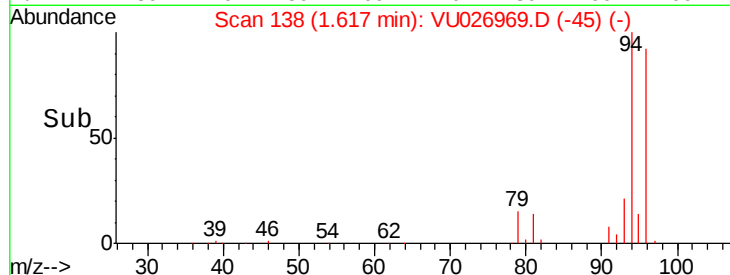
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 62.269 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU026969.D

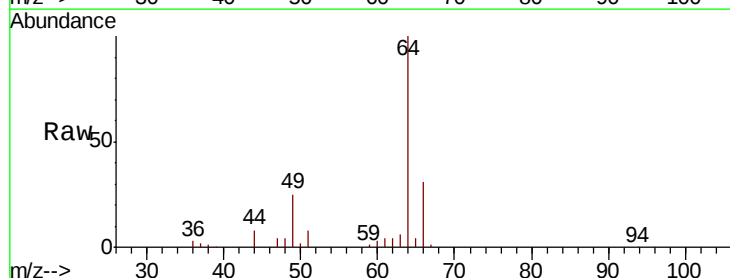
Acq: 21 Sep 2018 15:38

Tgt Ion: 64 Resp: 56063

Ion Ratio Lower Upper

64 100

66 31.6 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

40000

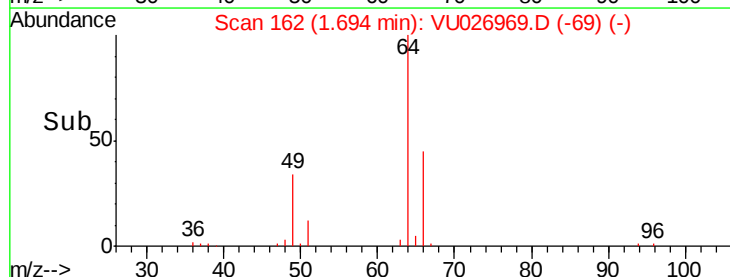
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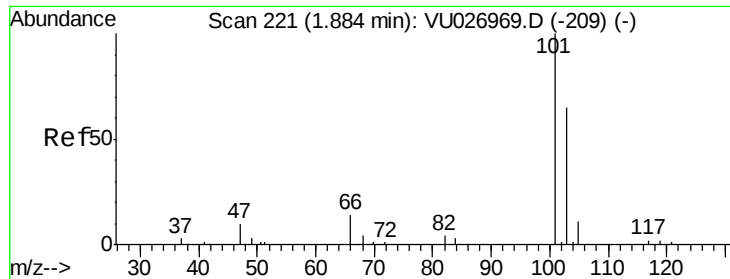
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Time-->





#7

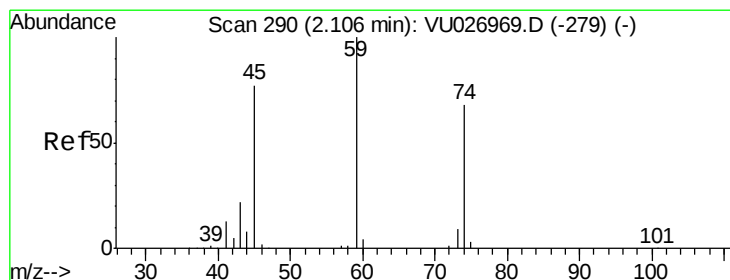
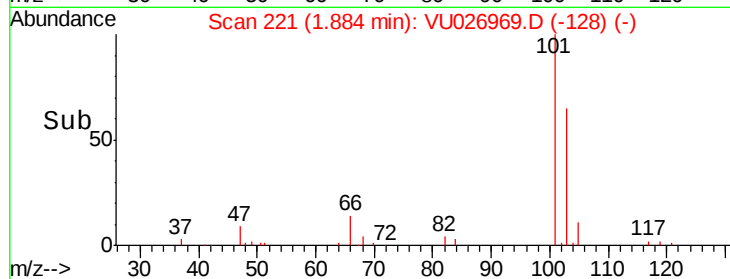
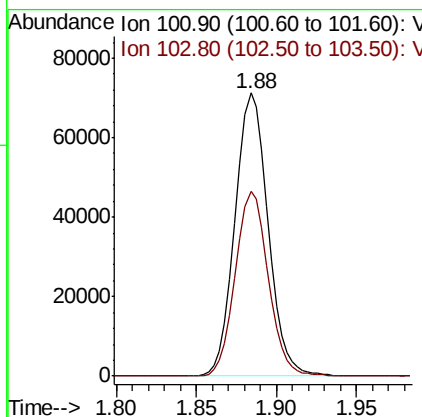
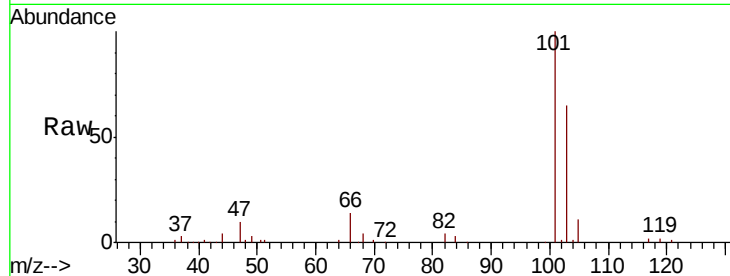
Trichlorofluoromethane
 Concen: 55.702 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU026969.D
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Tot Ion	101	Resp	99966
Ion Ratio	Lower	Upper	
101	100		
103	65.2	52.2	78.2

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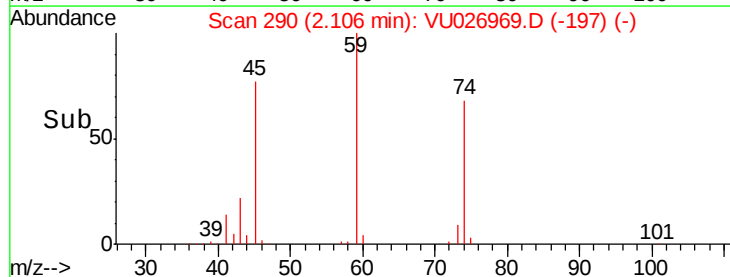
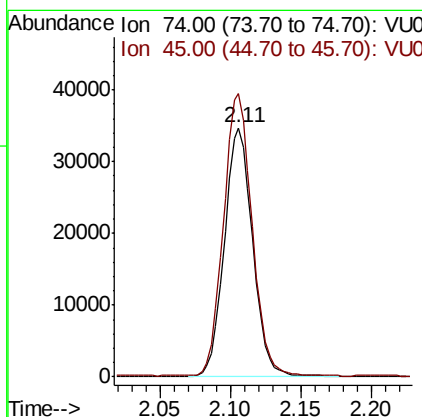
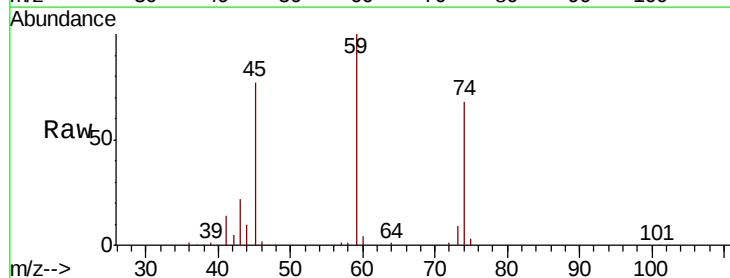
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#8

Diethyl Ether
 Concen: 60.484 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Tgt Ion	74	Resp	48681
Ion Ratio	Lower	Upper	
74	100		
45	113.8	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.139 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

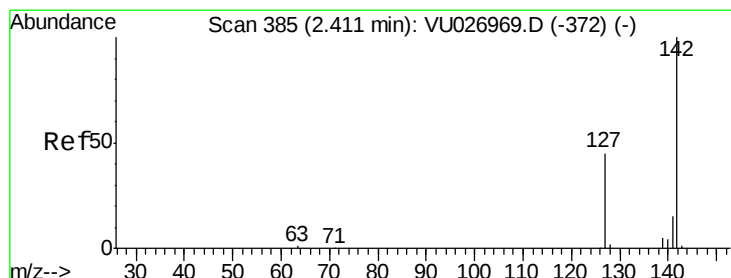
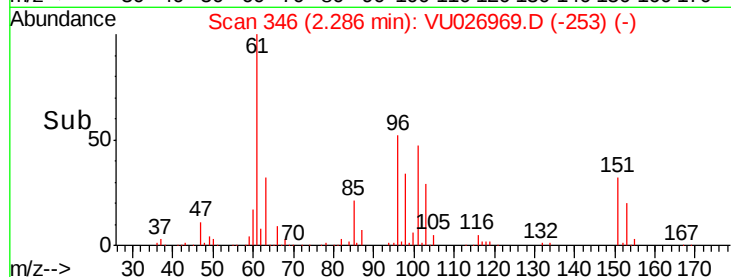
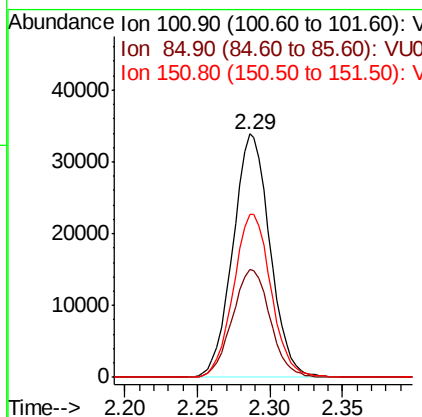
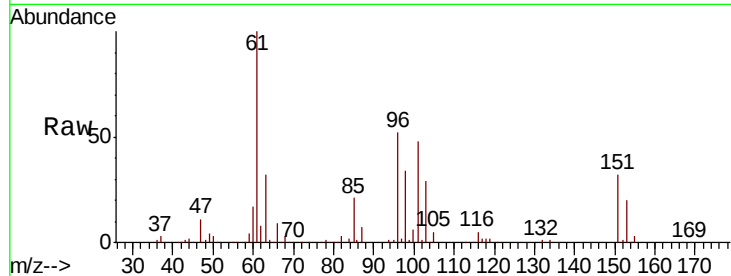
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	60095
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.2	54.2
151	68.1	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 83.871 ug/l

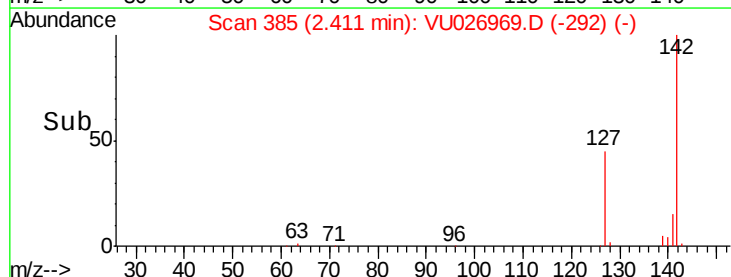
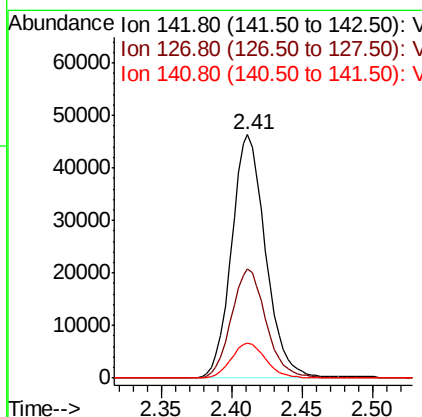
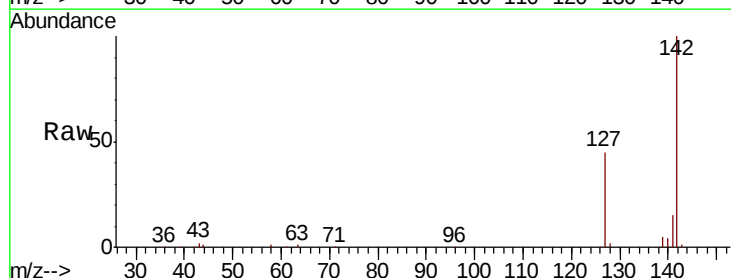
RT: 2.41 min Scan# 385

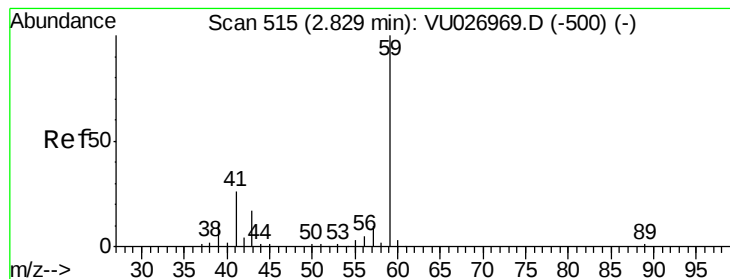
Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Tgt Ion:	142	Resp:	78364
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	14.7	11.8	17.6





#11

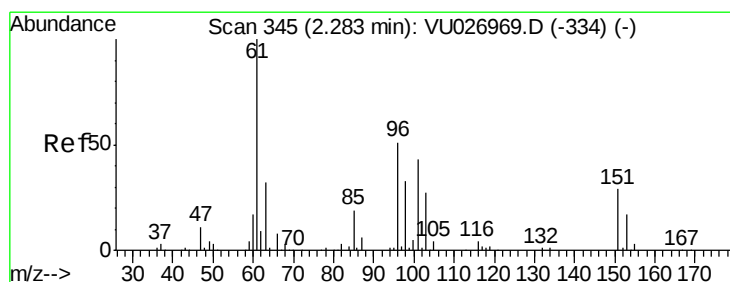
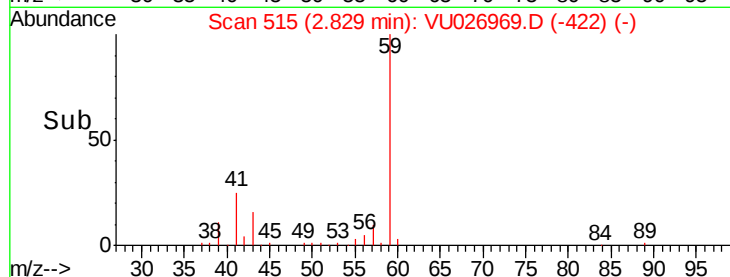
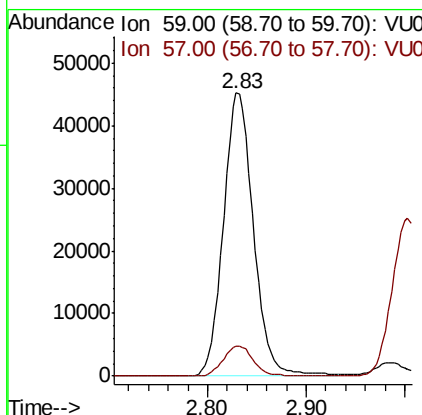
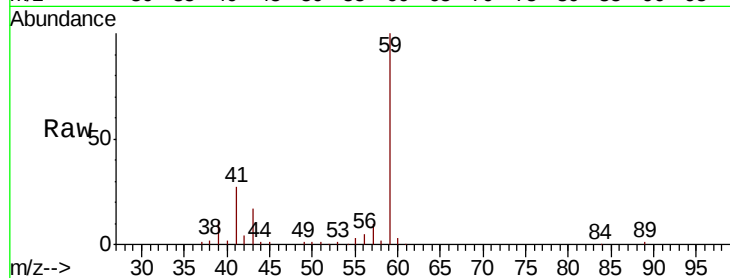
Tert butyl alcohol
Concen: 288.751 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	59	57	Ratio	100	10.6	Resp	96490	Lower	Upper
59	100								
57		10.6						8.5	12.7

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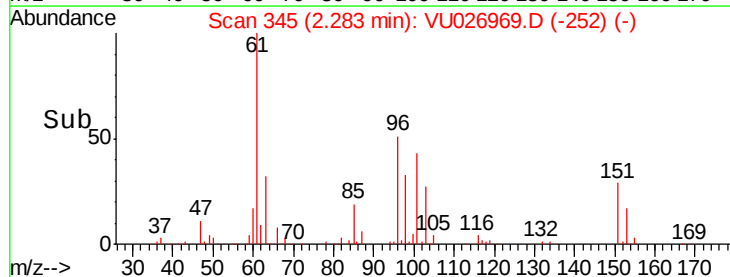
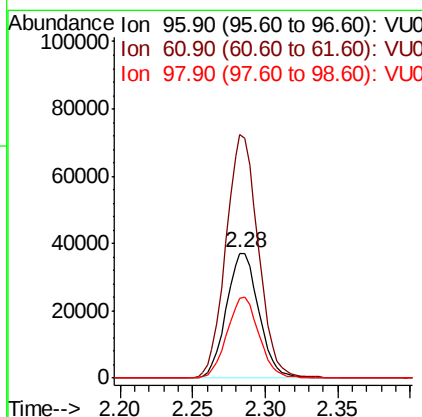
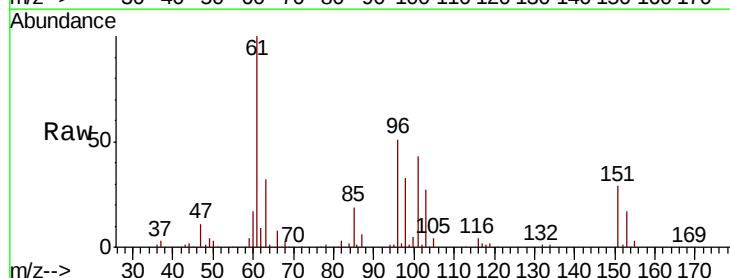
MMDadoda
9/24/2018 2:14:05 PM

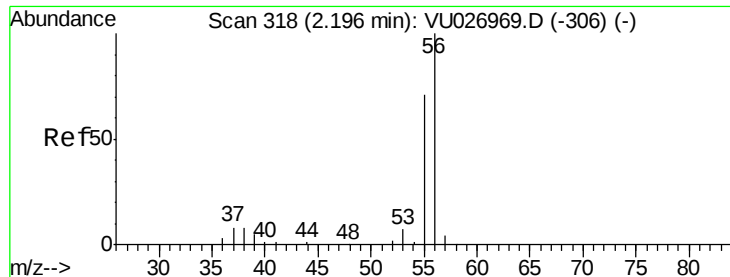


#12

1,1-Dichloroethene
Concen: 56.664 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	96	61	98	Ratio	100	195.1	64.2	Resp	57503	Lower	Upper
96	100										
61		195.1								156.1	234.1
98		64.2								51.4	77.0





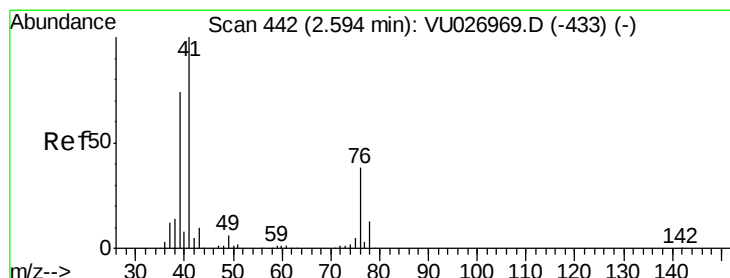
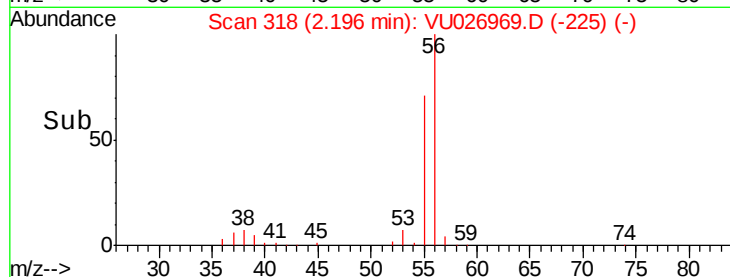
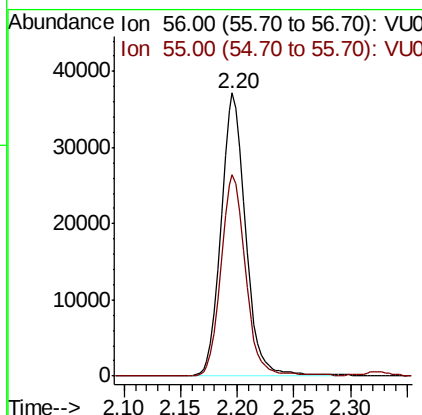
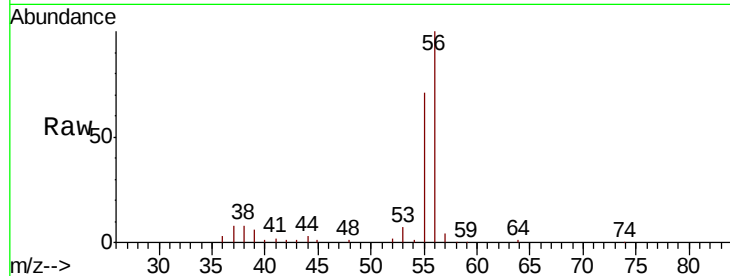
#13
 Acrolein
 Concen: 259.180 ug/l
 RT: 2.20 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	71.4		57.1	85.7	

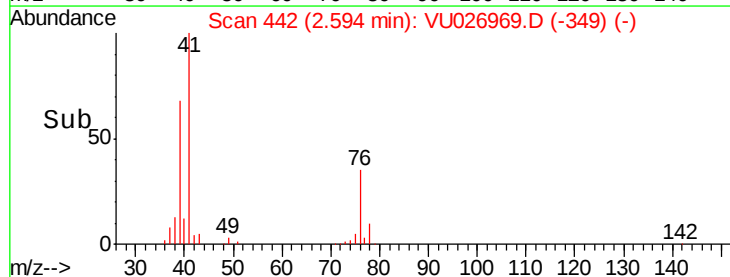
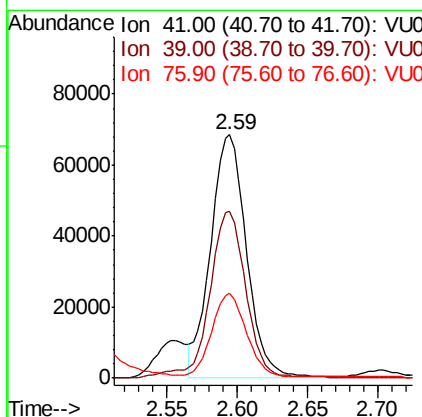
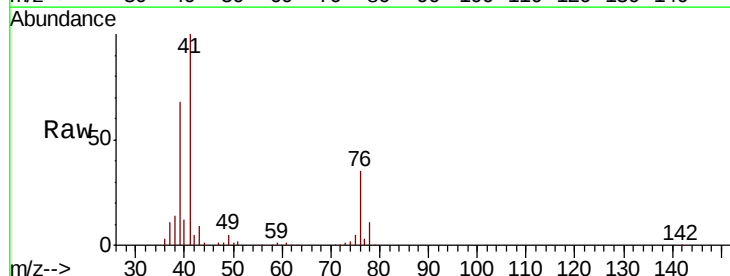
Manual Integrations
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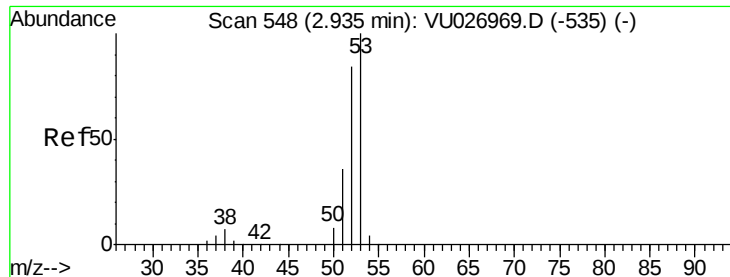
MMDadoda
 9/24/2018 2:14:05 PM



#14
 Allyl chloride
 Concen: 63.682 ug/l
 RT: 2.59 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	69.6			55.7	83.5	
76	33.1			26.5	39.7	





#15

Acrylonitrile

Concen: 345.803 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

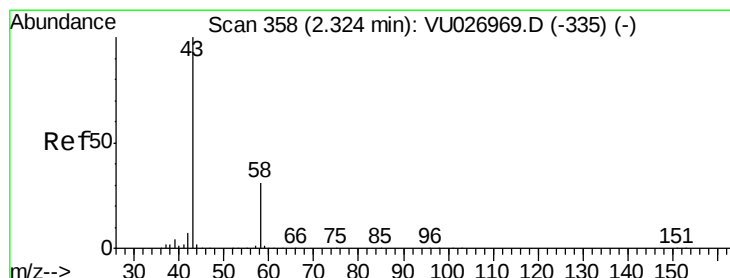
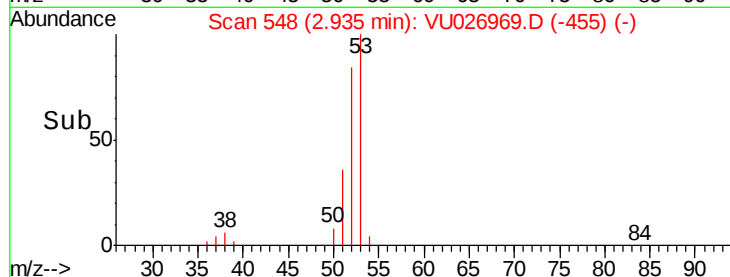
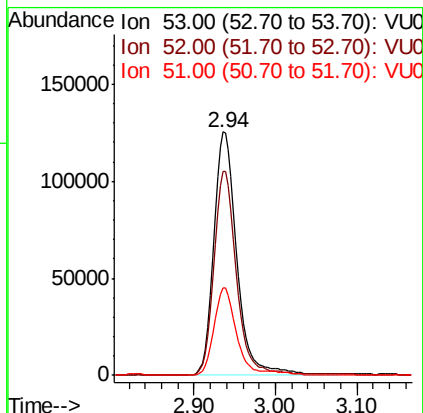
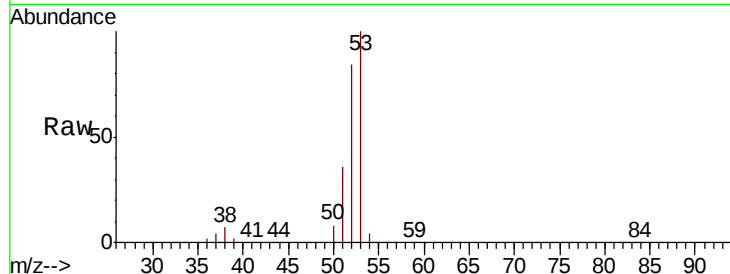
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	252957
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	34.3	27.4	41.2

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#16

Acetone

Concen: 305.408 ug/l

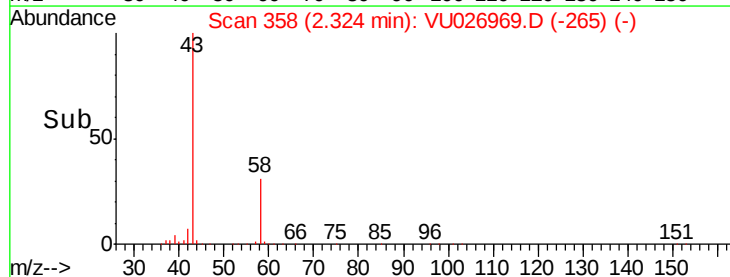
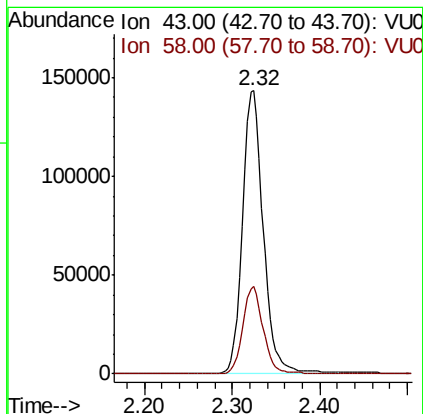
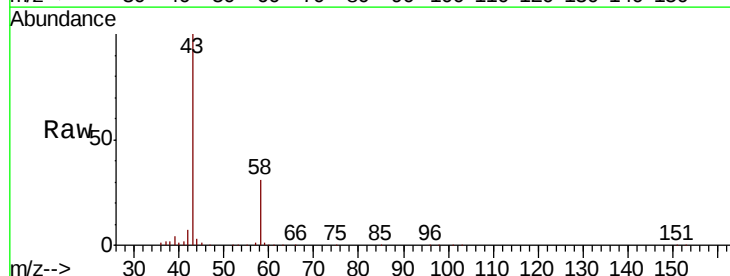
RT: 2.32 min Scan# 358

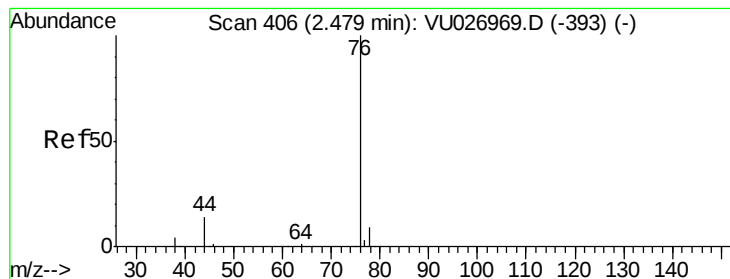
Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Tgt Ion:	43	Resp:	238248
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8





#17

Carbon Disulfide

Concen: 57.289 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 186207

Ion Ratio Lower Upper

76 100

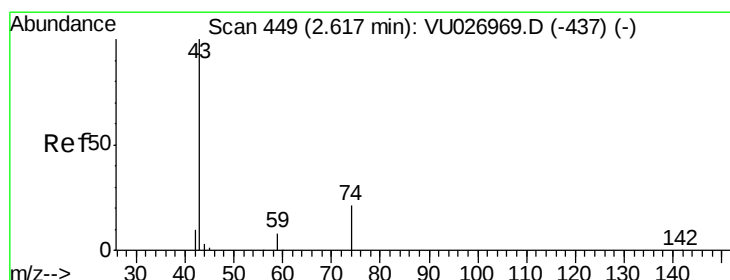
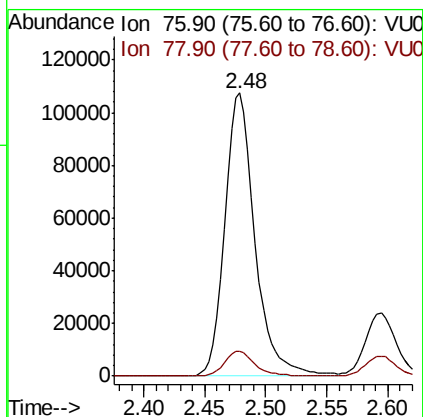
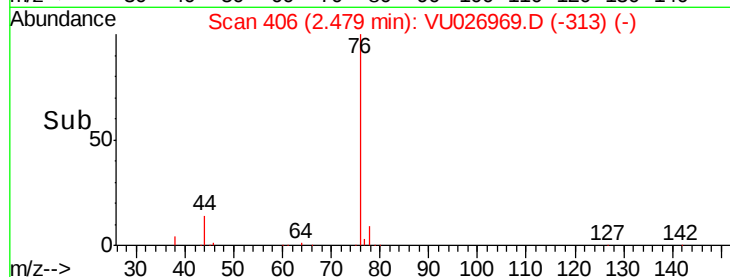
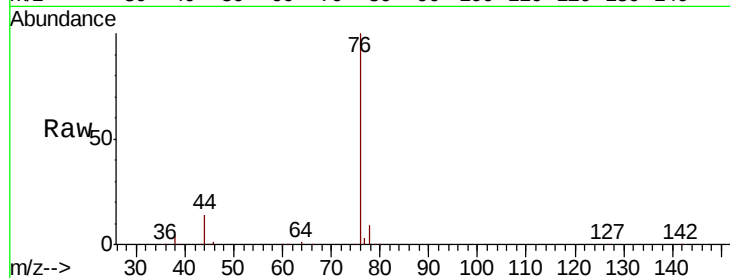
78 8.9 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 71.160 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026969.D

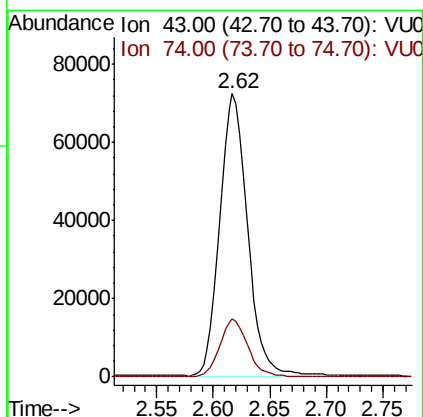
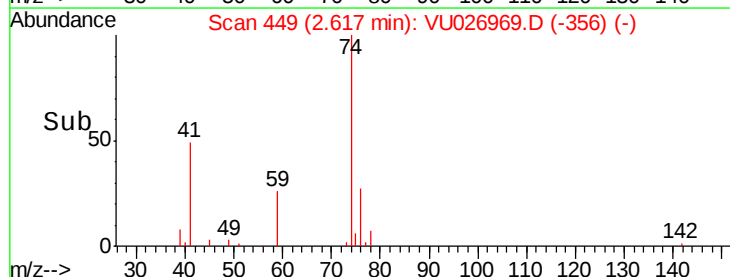
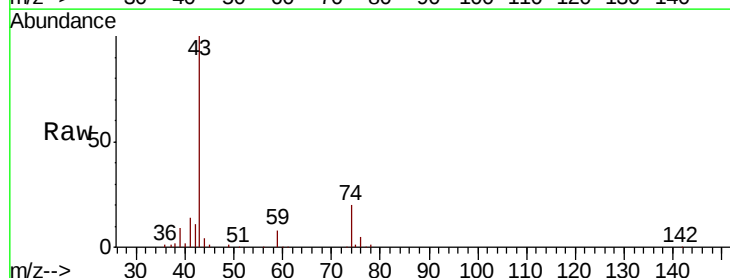
Acq: 21 Sep 2018 15:38

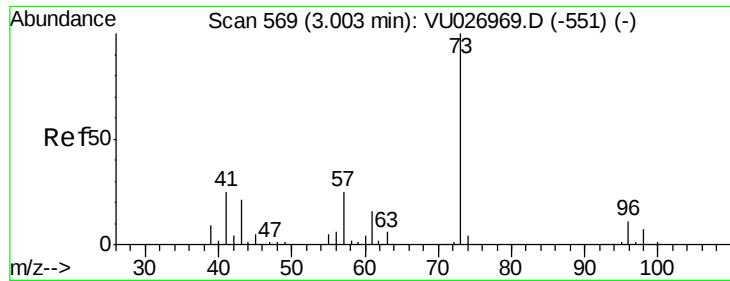
Tgt Ion: 43 Resp: 123215

Ion Ratio Lower Upper

43 100

74 20.8 16.6 25.0





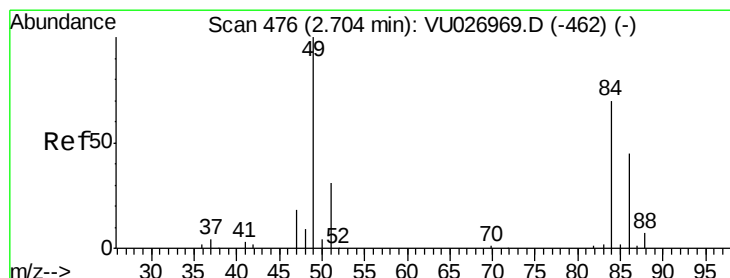
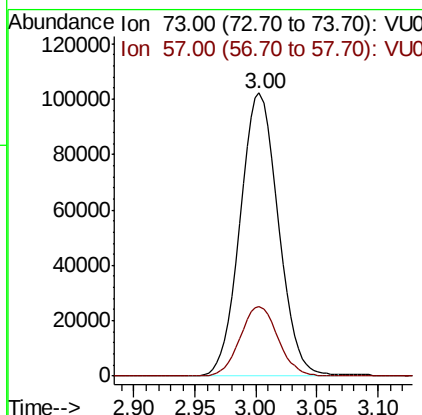
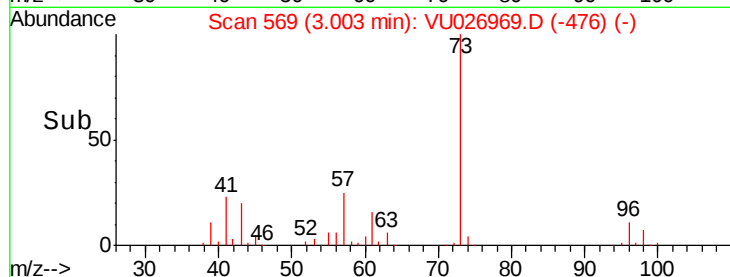
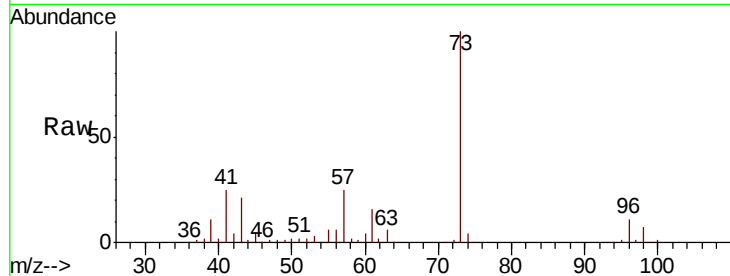
#19
Methvl tert-butvl Ether
Concen: 62.105 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 221144
Ion Ratio Lower Upper
73 100
57 24.7 19.8 29.6

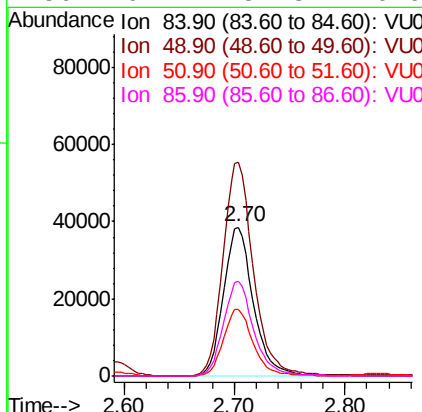
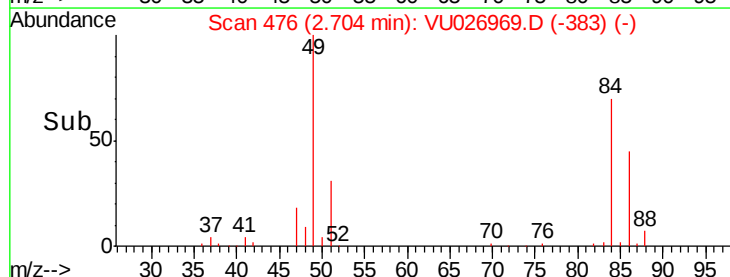
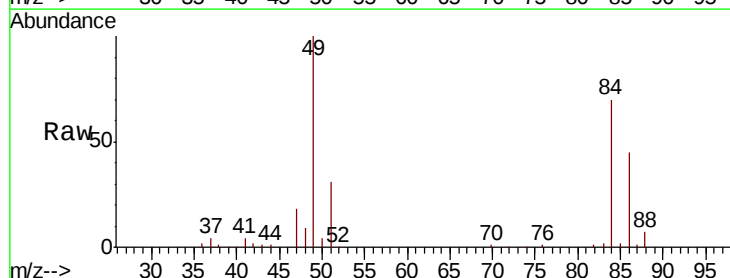
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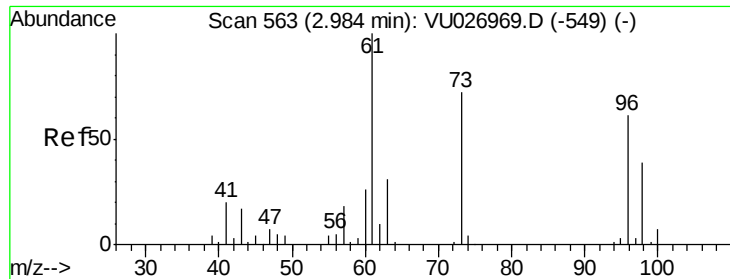
MMDadoda
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#20
Methylene Chloride
Concen: 58.435 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion: 84 Resp: 72540
Ion Ratio Lower Upper
84 100
49 143.6 114.9 172.3
51 44.8 35.8 53.8
86 64.1 51.3 76.9





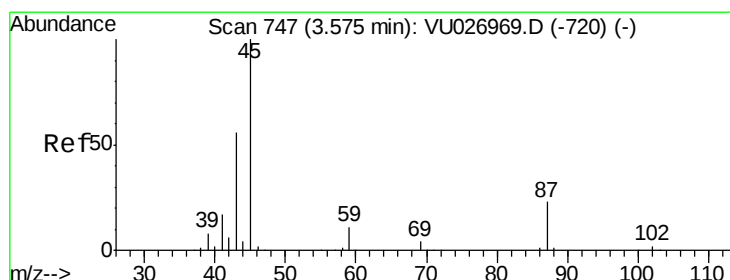
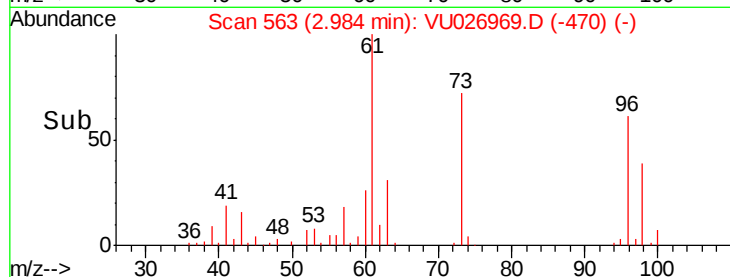
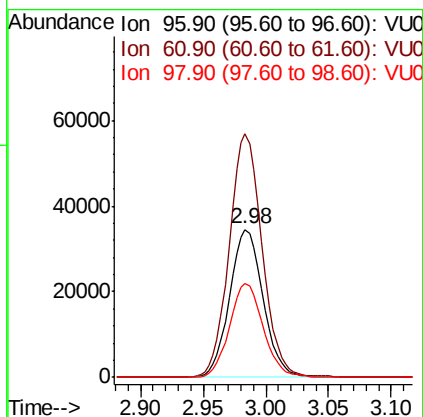
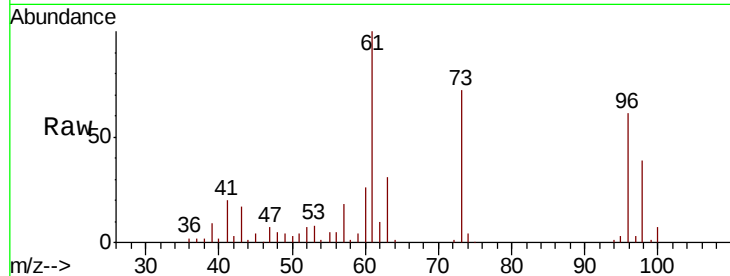
#21
trans-1,2-Dichloroethene
Concen: 59.528 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.7	131.8	197.6
98	63.6	50.9	76.3

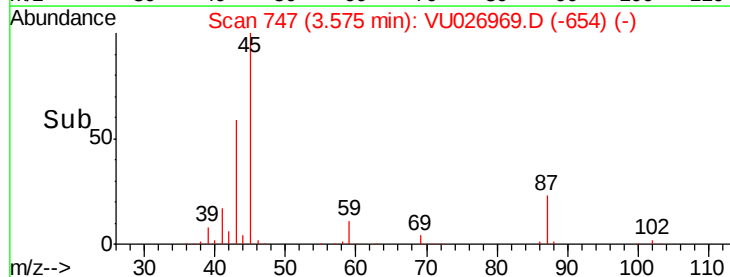
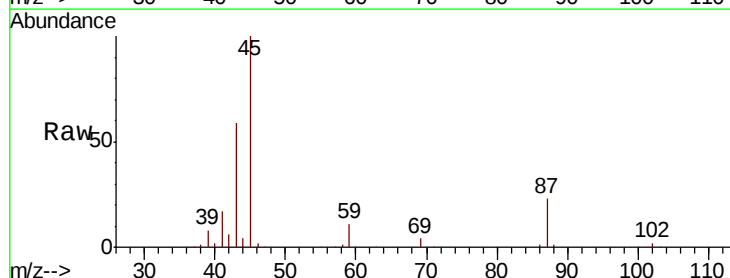
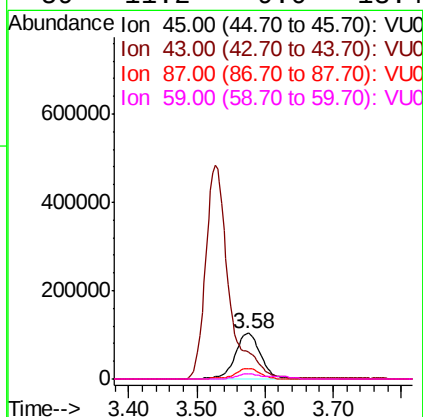
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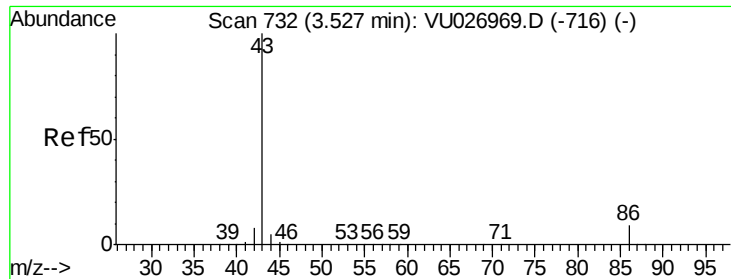
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#22
Diisopropyl ether
Concen: 68.333 ug/l
RT: 3.58 min Scan# 747
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	45.8	68.6
87	23.3	18.6	28.0
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 343.829 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1156044

Ion Ratio Lower Upper

43 100

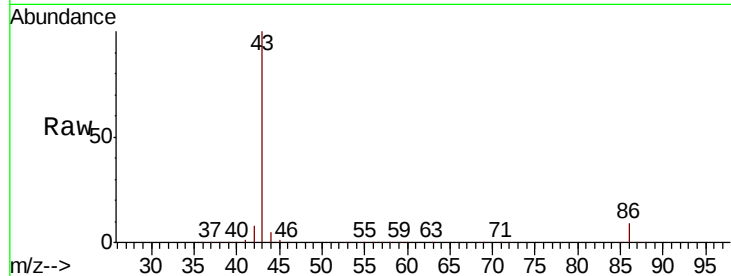
86 9.0 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-716) (-)

Ion 86.00 (85.70 to 86.70): VU026969.D (-716) (-)

3.53

500000

400000

300000

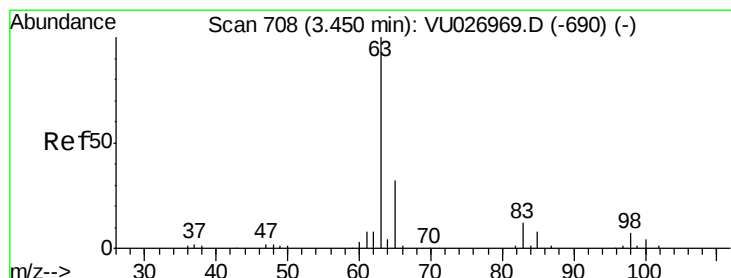
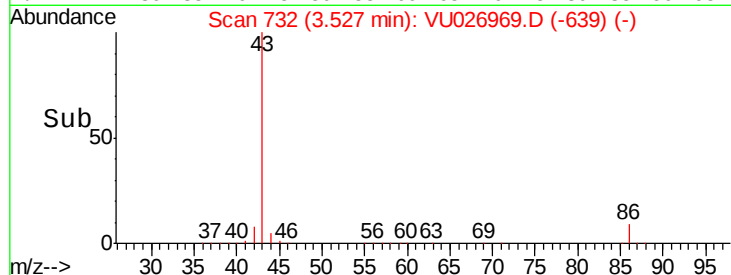
200000

100000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 63.935 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

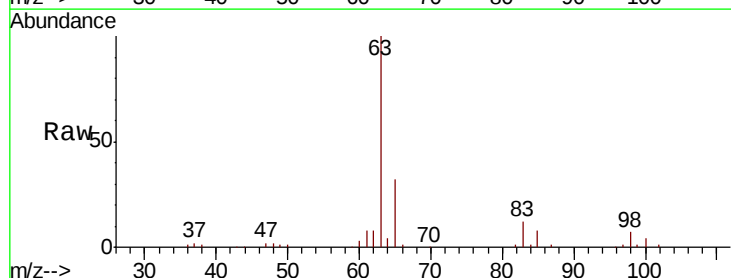
Tgt Ion: 63 Resp: 141022

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)

3.45

80000

60000

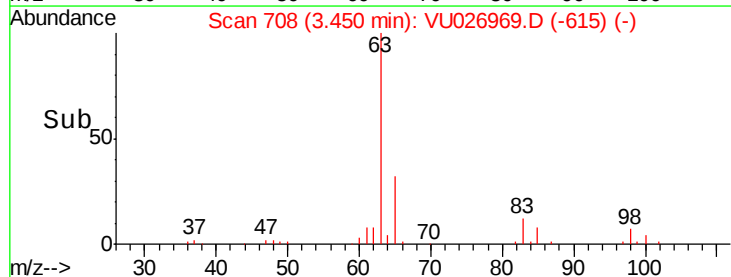
40000

20000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 338.682 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 360522

Ion Ratio Lower Upper

43 100

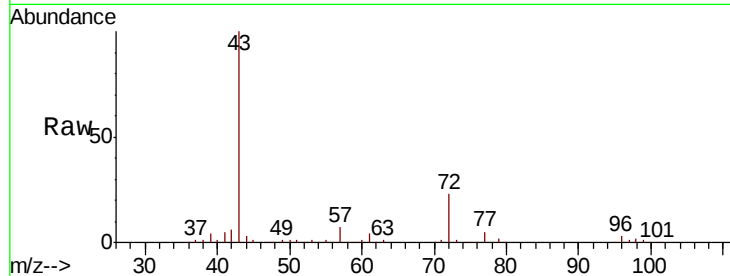
72 23.0 18.4 27.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

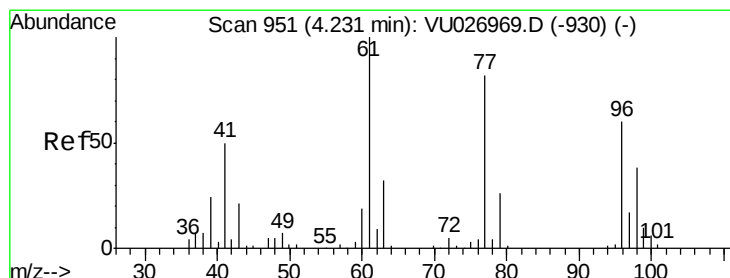
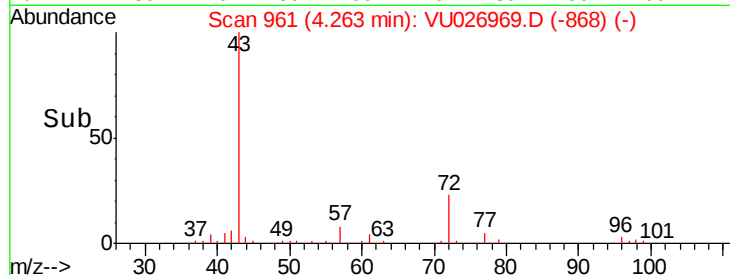
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 60.703 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU026969.D

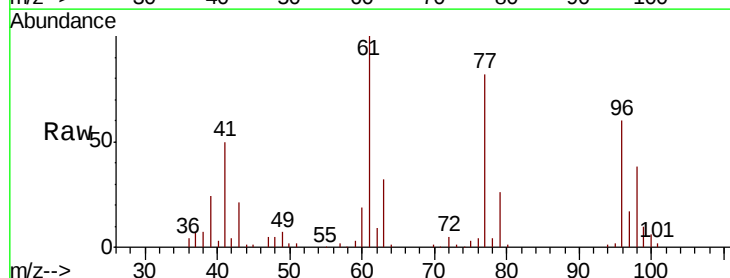
Acq: 21 Sep 2018 15:38

Tgt Ion: 77 Resp: 108751

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

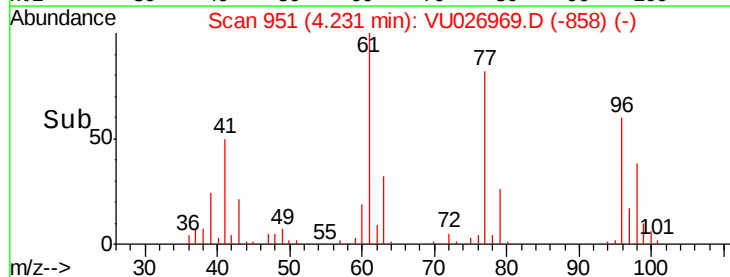
20000

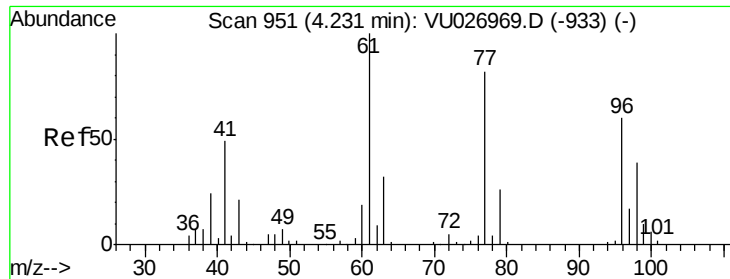
10000

0

4.10 4.20 4.30

Time-->





#27

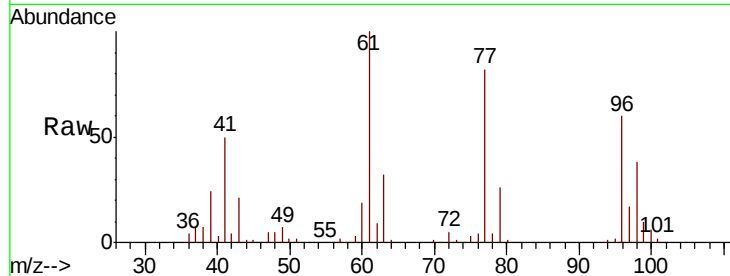
cis-1,2-Dichloroethene
Concen: 58.527 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	72194		
61	168.6	0.0	337.2	
98	63.8	0.0	127.6	

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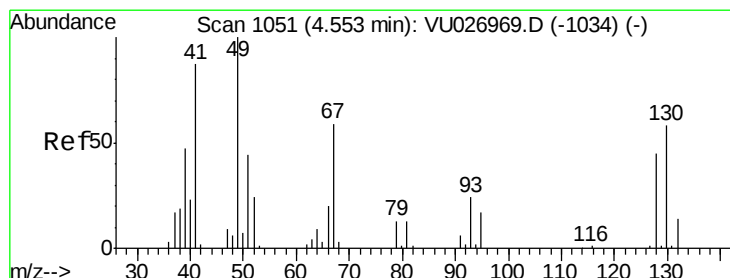
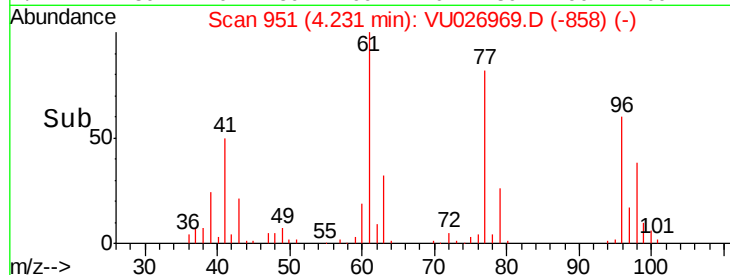
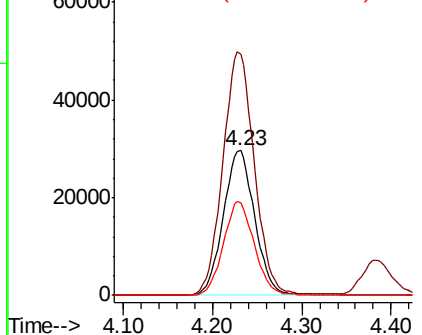


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

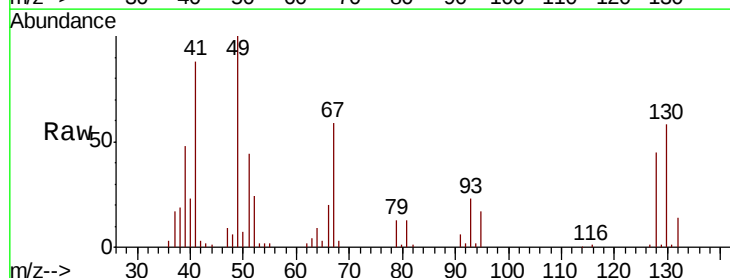
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 66.348 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70501		
129	1.5	0.0	3.0	
130	59.8	47.8	71.8	

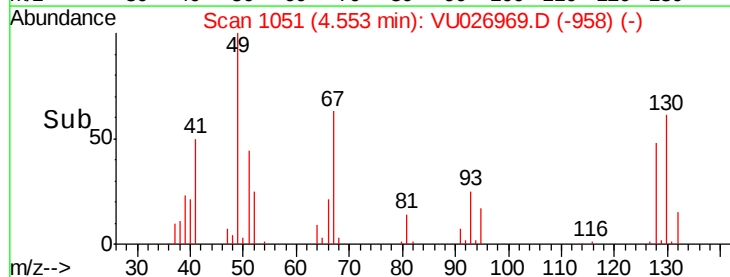
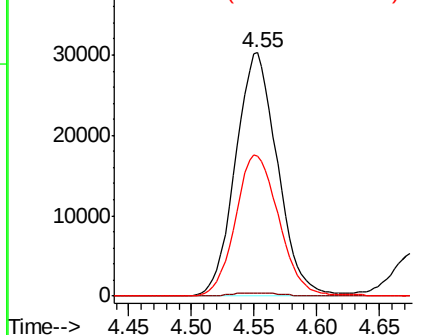


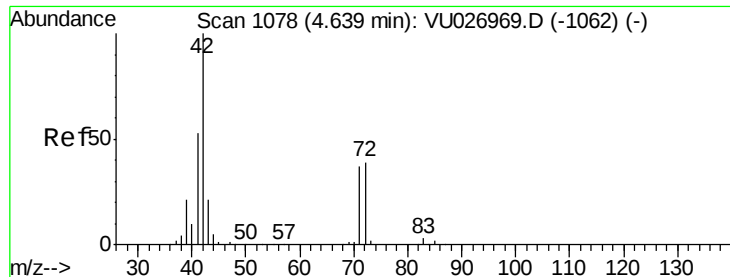
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 353.129 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

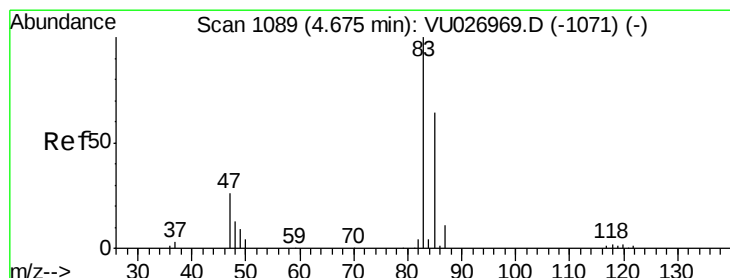
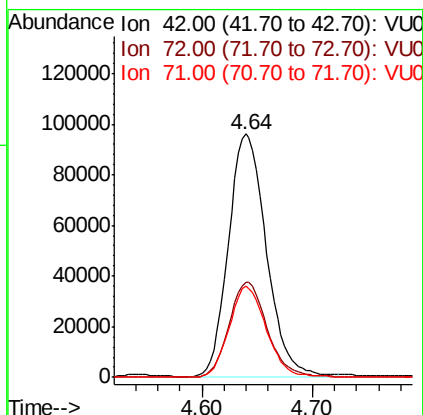
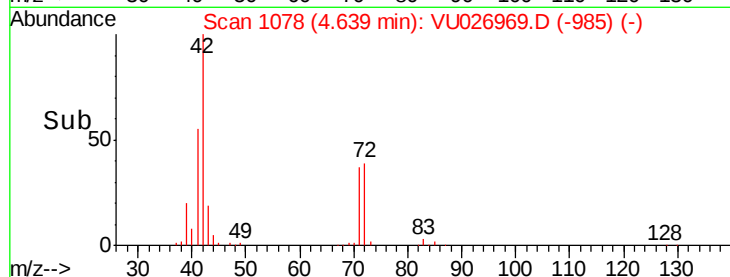
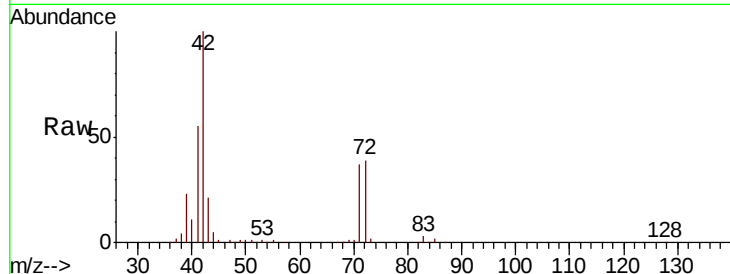
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	228832
Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.7	47.5
71	37.0	29.6	44.4

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#30

Chloroform

Concen: 60.330 ug/l

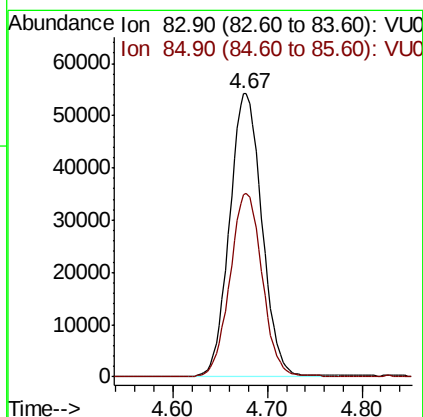
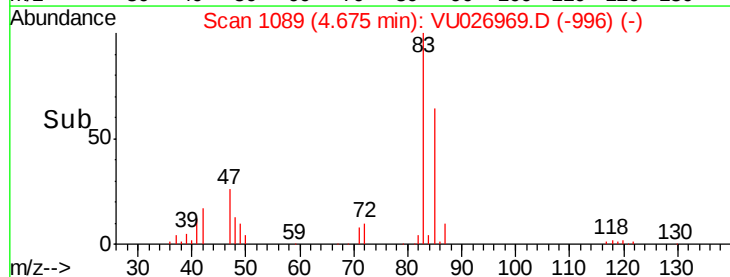
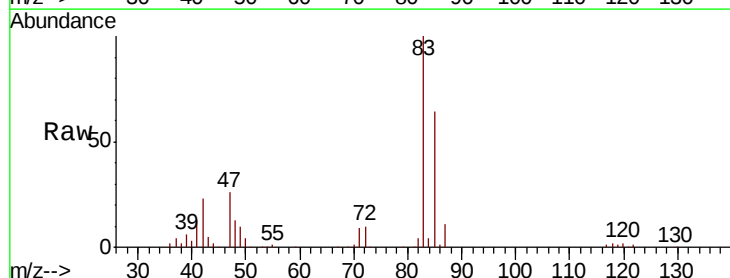
RT: 4.67 min Scan# 1089

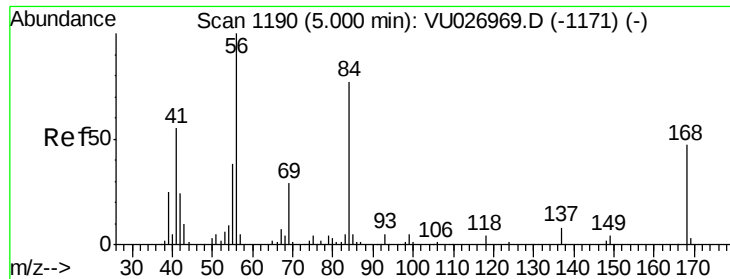
Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Tgt Ion:	83	Resp:	129391
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





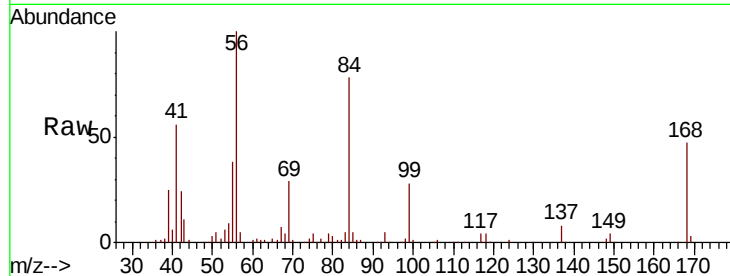
#31
Cyclohexane
Concen: 56.799 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

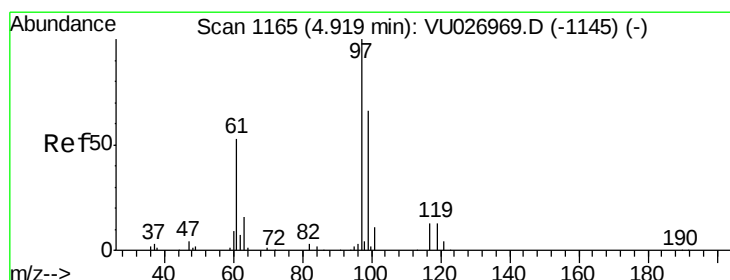
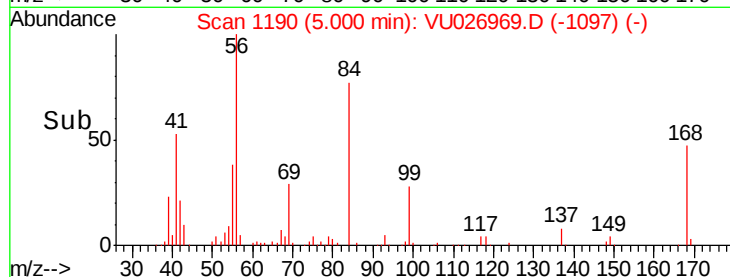
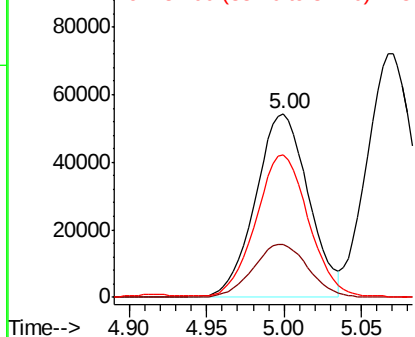
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.0	34.4
84	76.8	61.4	92.2

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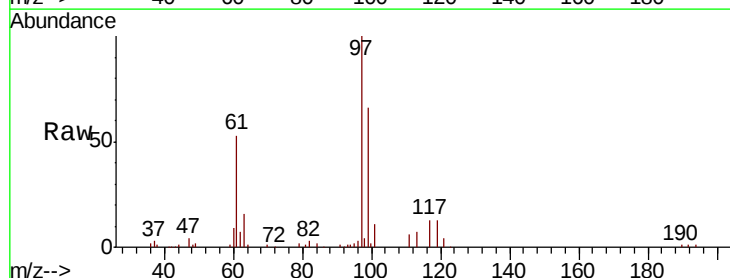


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

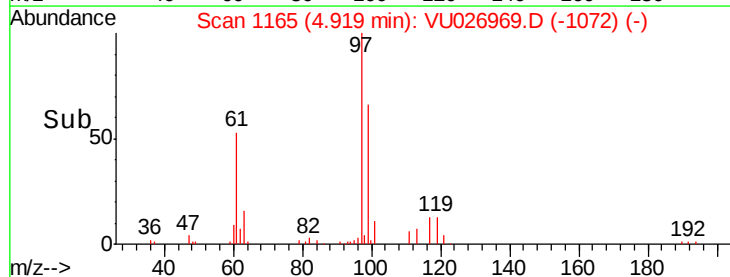
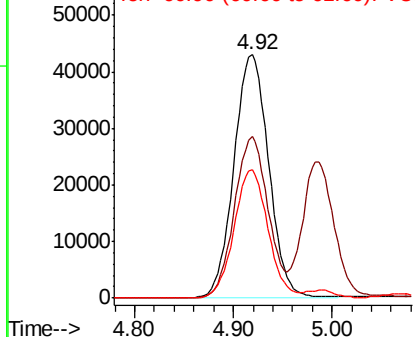


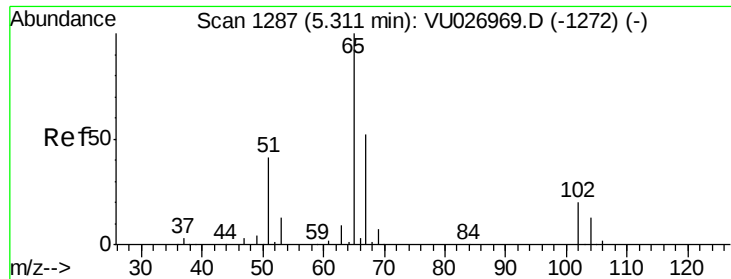
#32
1,1,1-Trichloroethane
Concen: 59.918 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	51.4	41.1	61.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





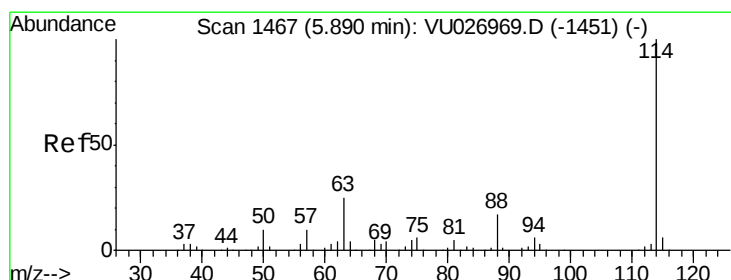
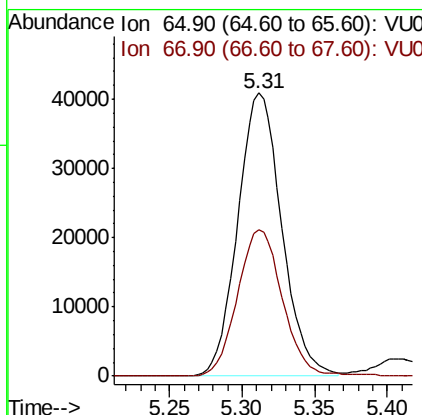
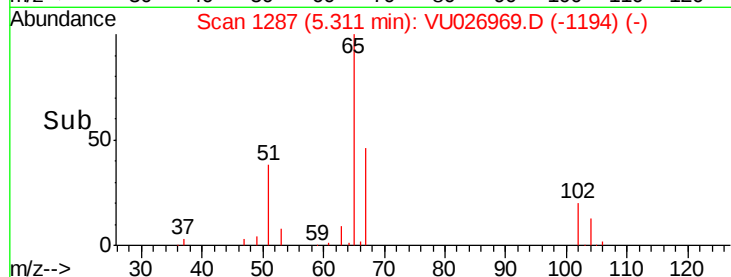
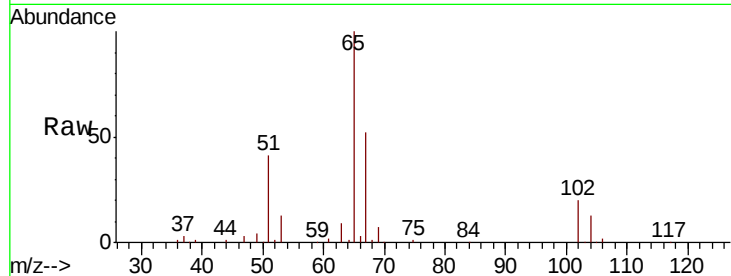
#33
 1,2-Dichloroethane-d4
 Concen: 62.088 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.6

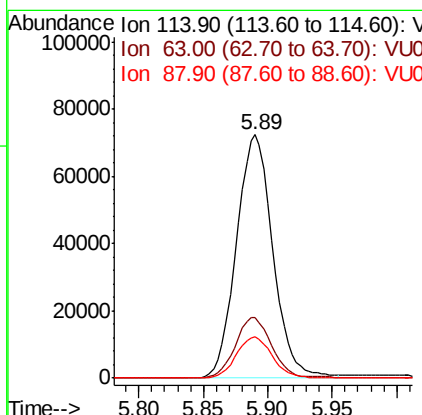
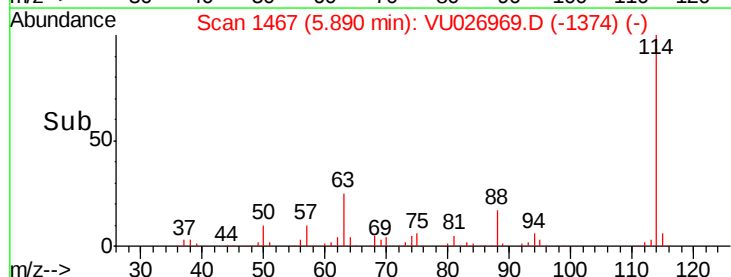
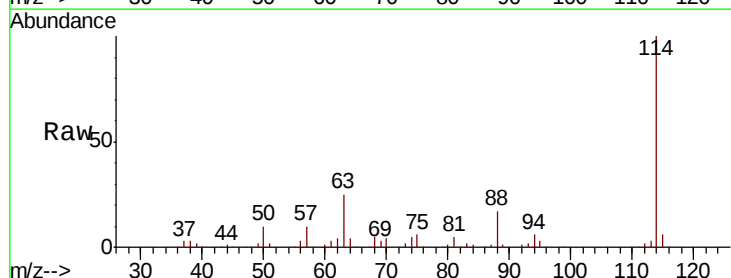
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	16.9	0.0	33.8





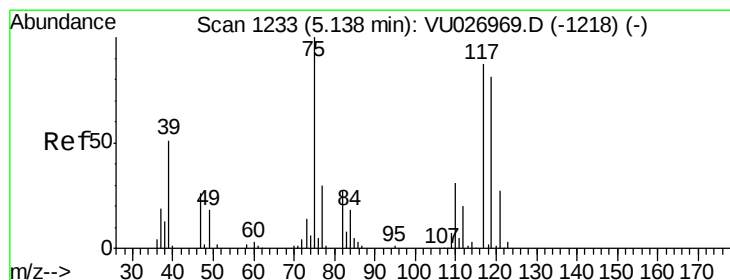
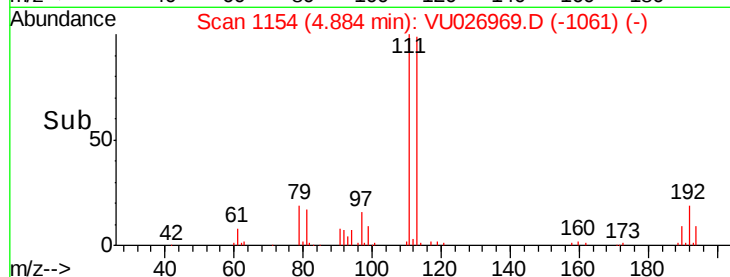
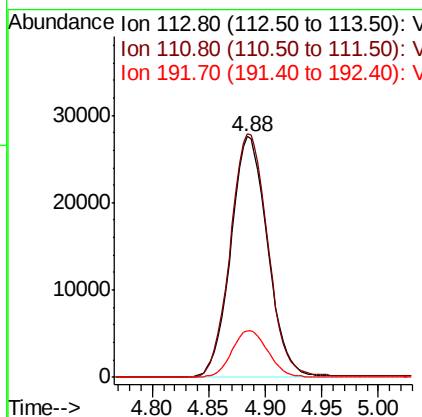
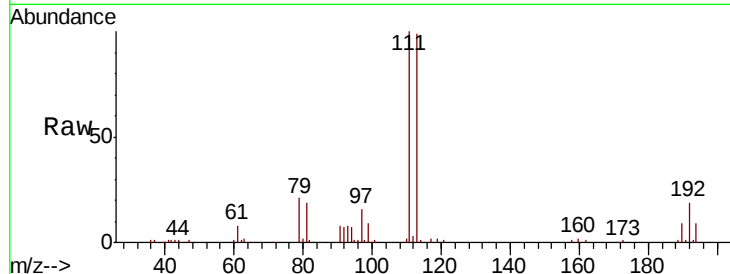
#35
Dibromofluoromethane
Concen: 52.827 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	19.0	15.2	22.8

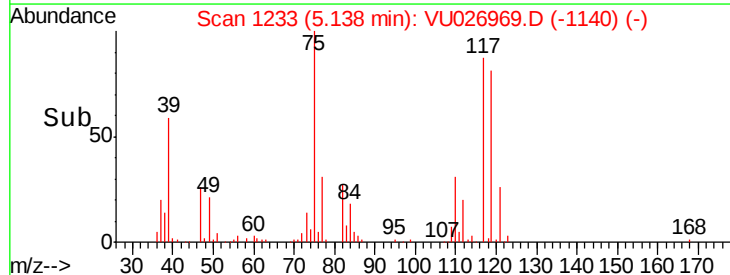
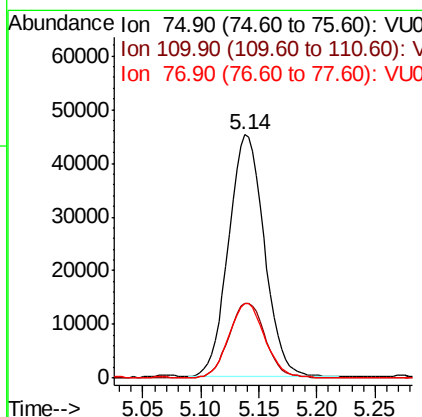
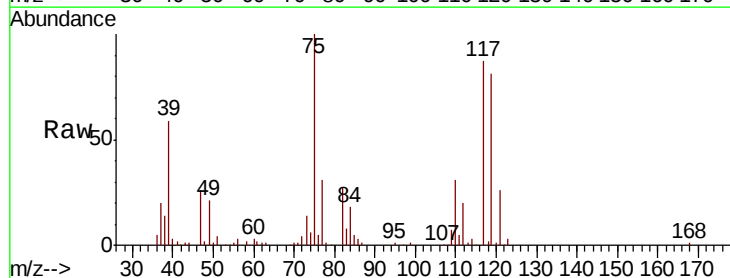
Manual Integrations
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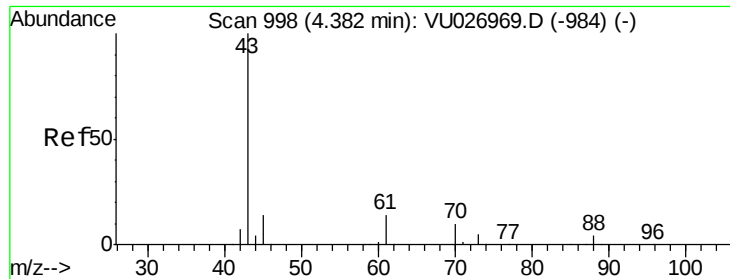
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#36
1,1-Dichloropropene
Concen: 58.293 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.1	48.2
77	30.7	24.6	36.8





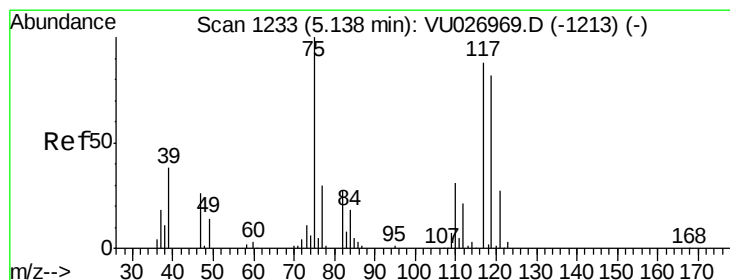
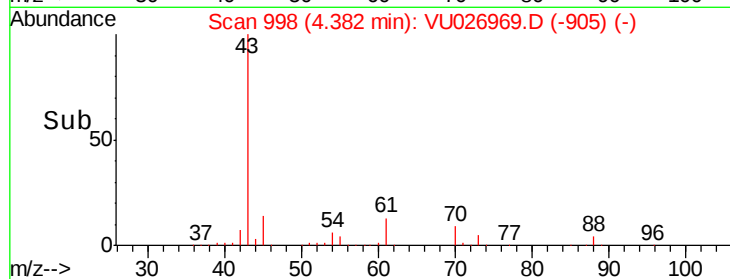
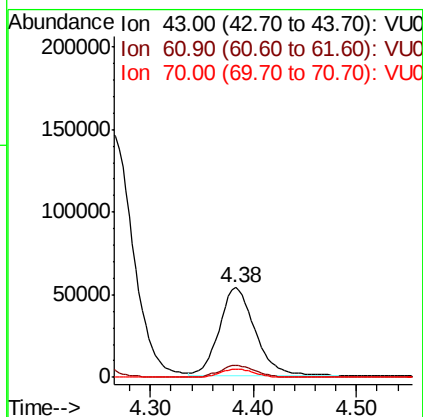
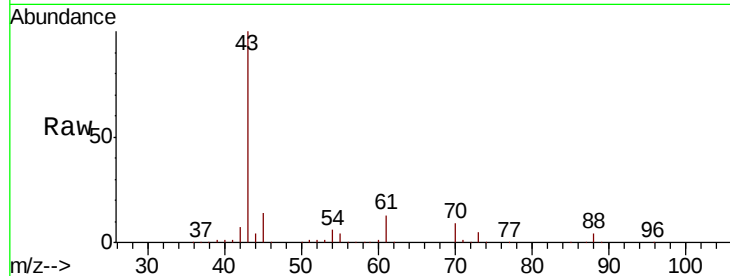
#37
Ethyl Acetate
Concen: 63.736 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.2	7.4	11.0

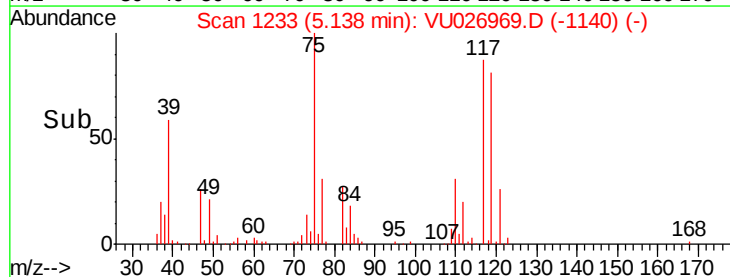
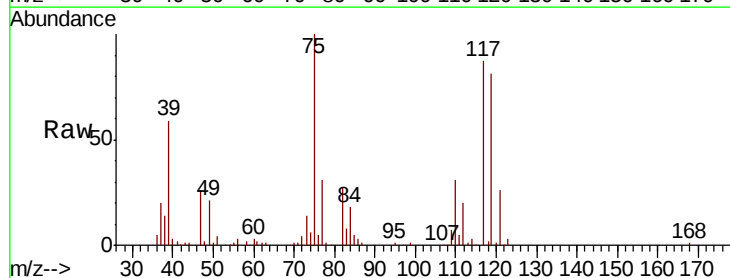
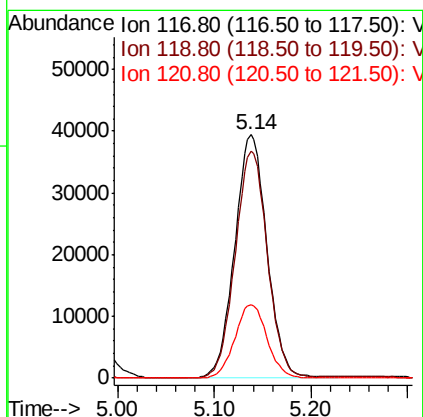
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#38
Carbon Tetrachloride
Concen: 53.393 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.4	111.6
121	30.3	24.2	36.4





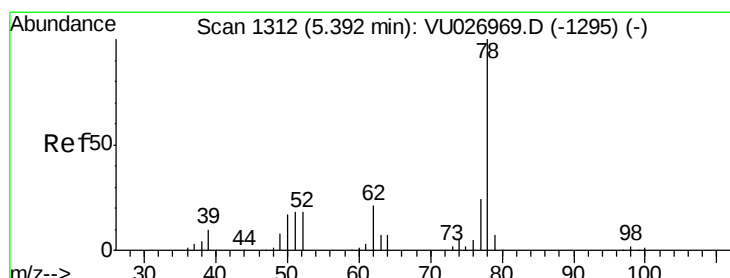
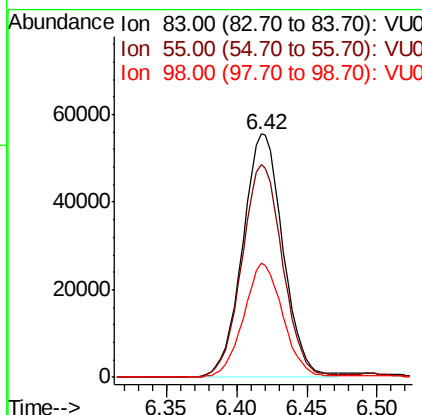
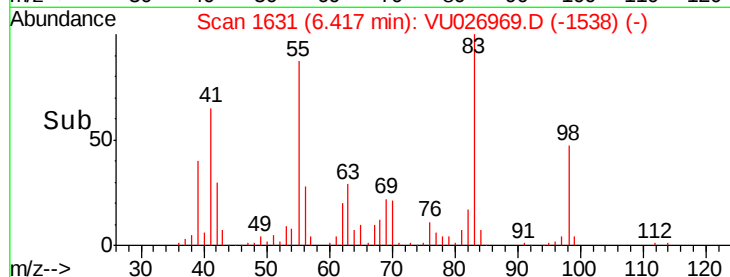
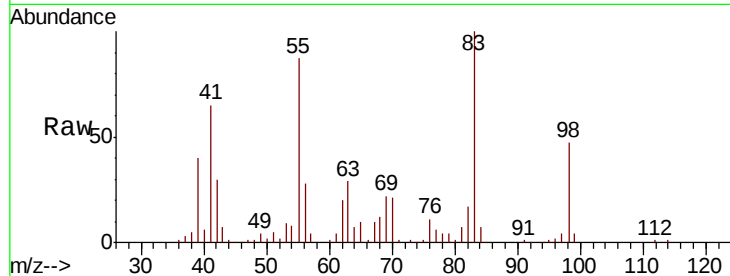
#39
Methvlcvclohexane
Concen: 57.618 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	69.9	104.9
98	46.9	37.5	56.3

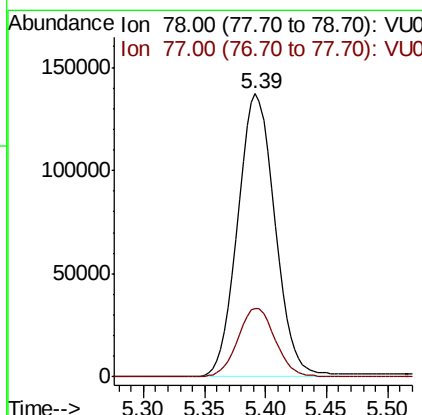
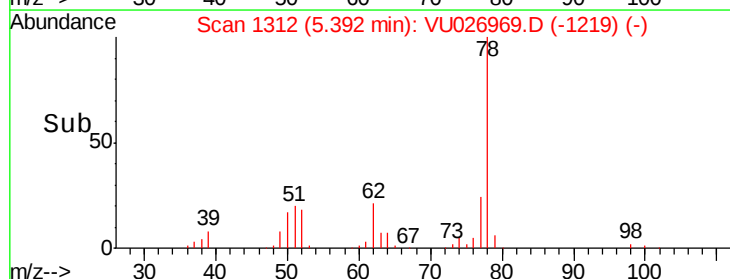
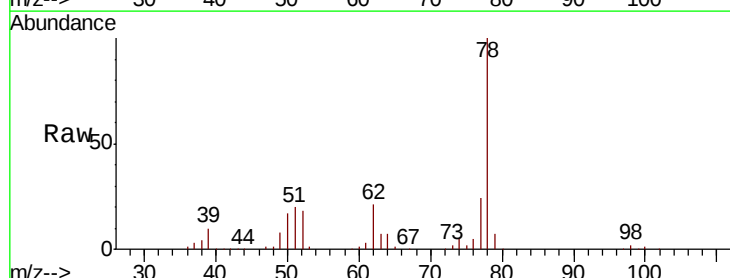
Manual Integrations
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#40
Benzene
Concen: 57.204 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





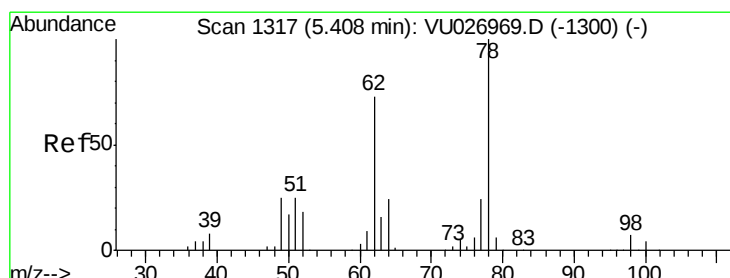
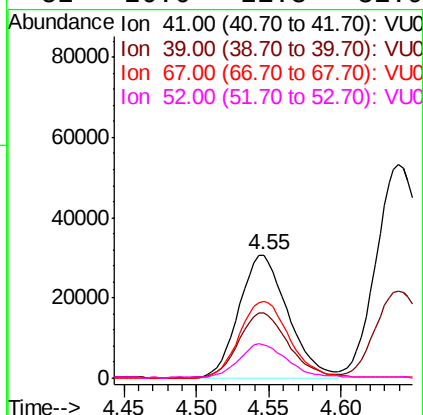
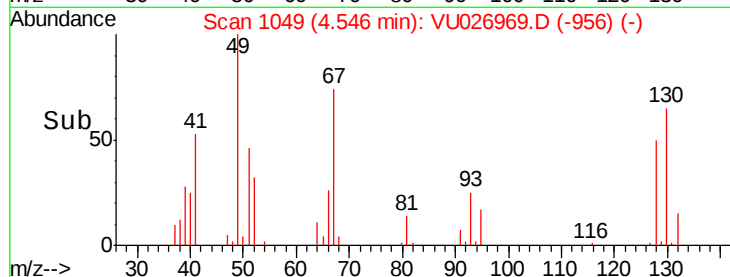
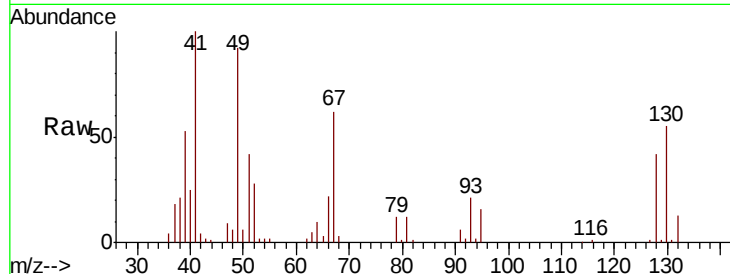
#41
Methacrylonitrile
Concen: 67.586 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.9	64.3	
67	65.5	52.4	78.6	
52	26.6	21.3	31.9	

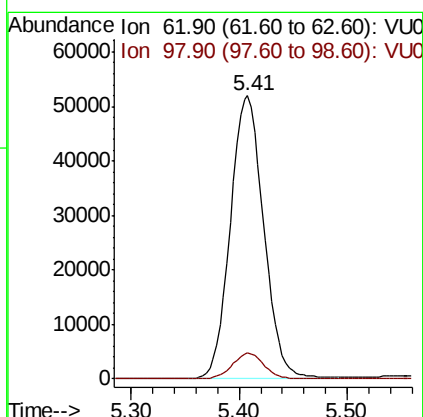
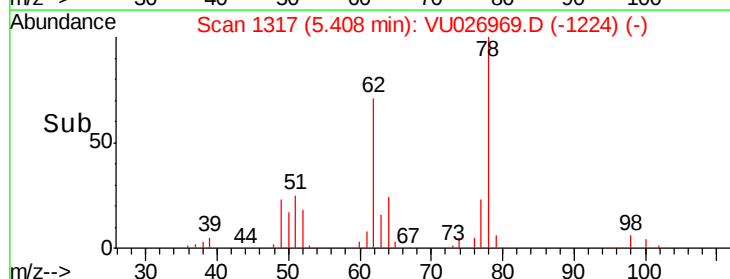
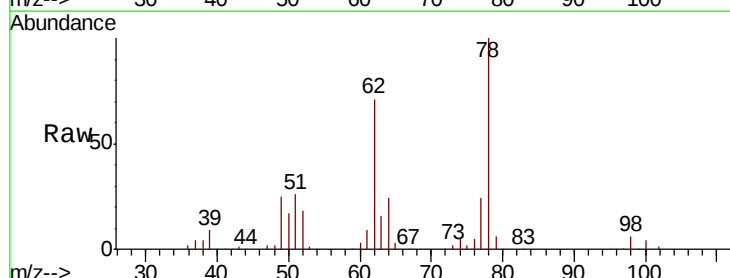
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 60.619 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





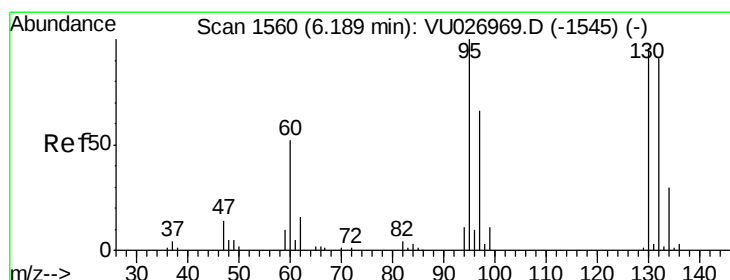
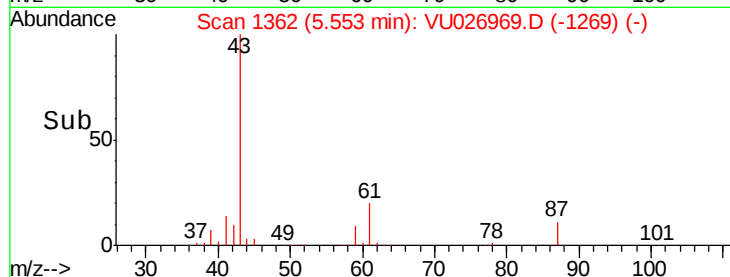
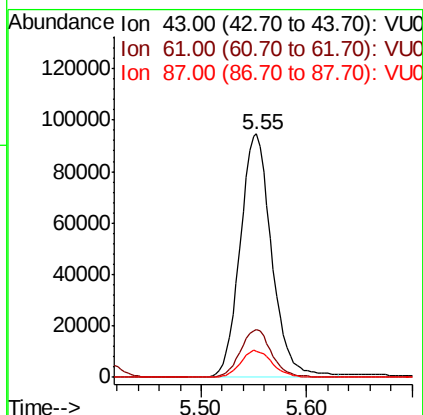
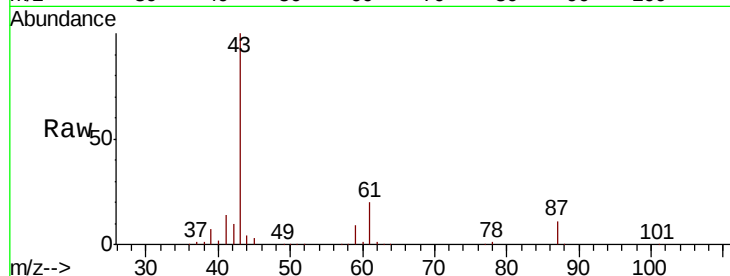
#43
Isopropyl Acetate
Concen: 63.761 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.7	23.5
87	11.2	9.0	13.4

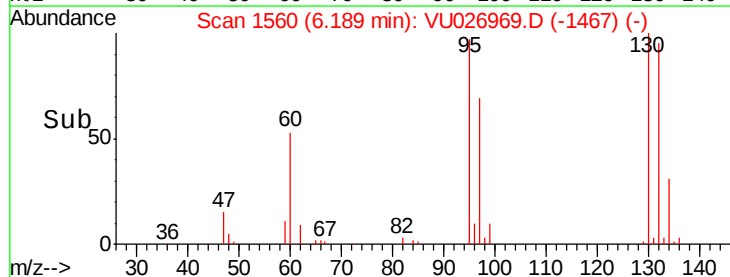
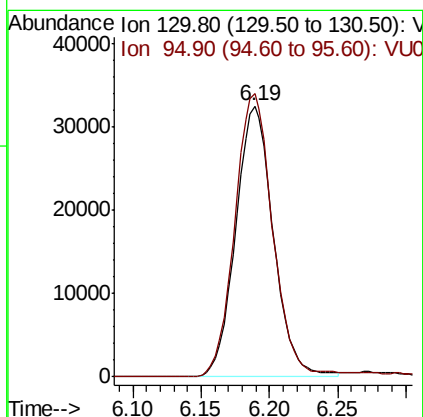
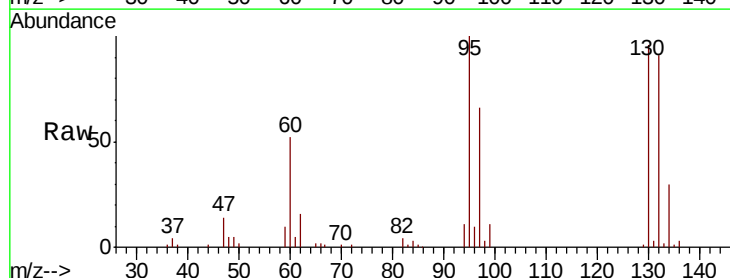
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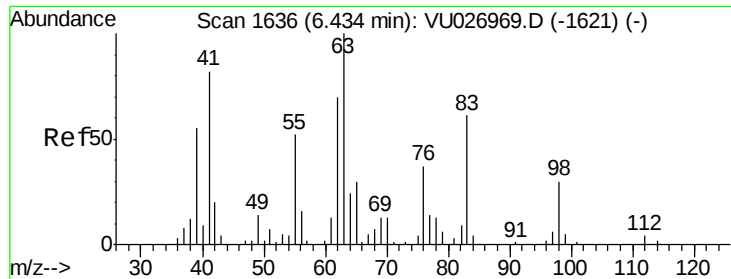
MMDadoda
9/24/2018 2:14:05 PM



#44
Trichloroethene
Concen: 50.792 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	208.8





#45

1,2-Dichloropropane

Concen: 59.984 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 83735

Ion Ratio Lower Upper

63 100

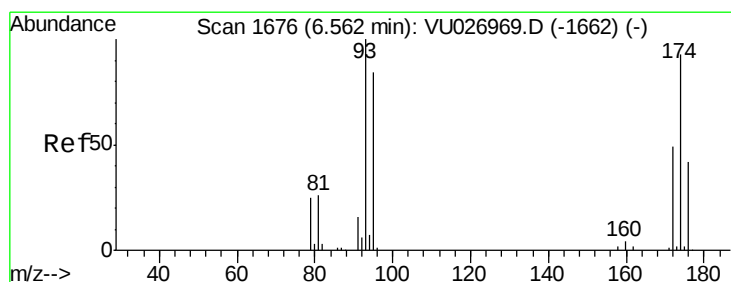
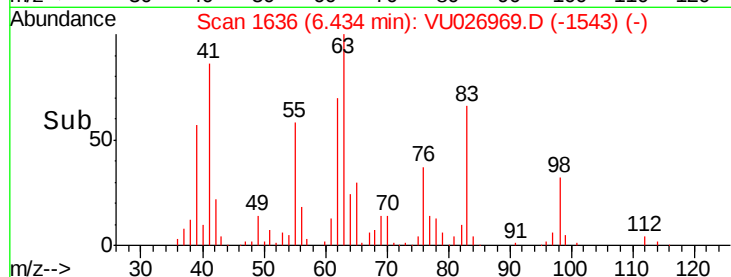
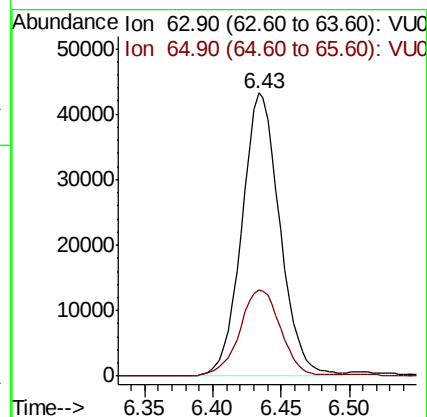
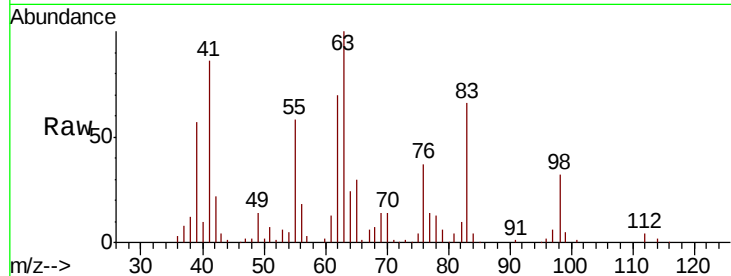
65 30.4 24.3 36.5

Manual Integrations

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9/24/2018 2:14:05 PM



#46

Dibromomethane

Concen: 56.596 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

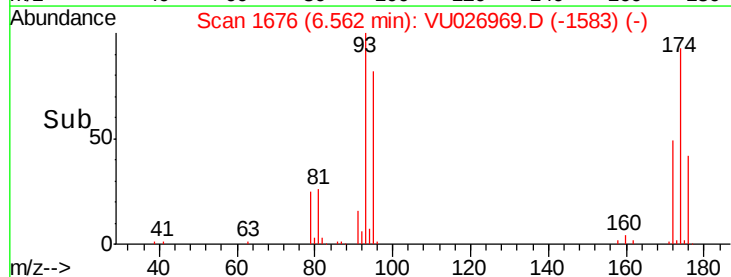
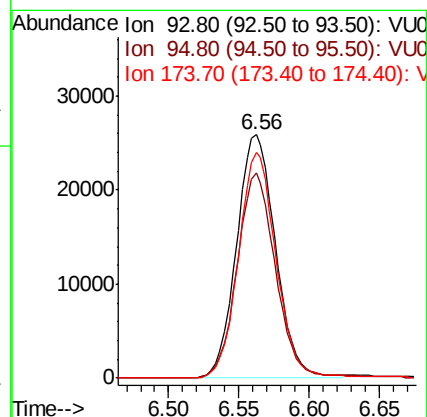
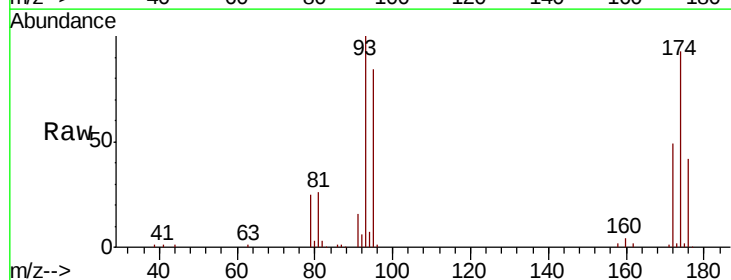
Tgt Ion: 93 Resp: 50138

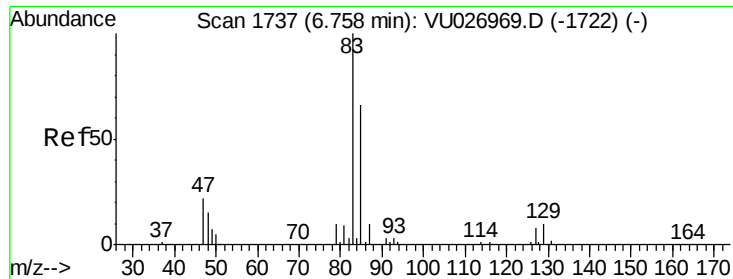
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 89.6 71.7 107.5





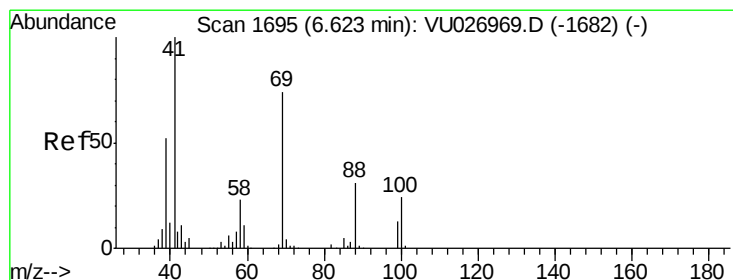
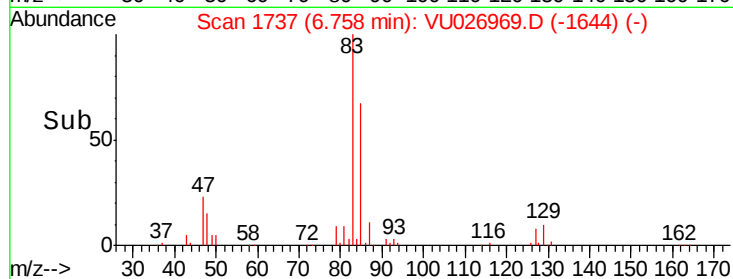
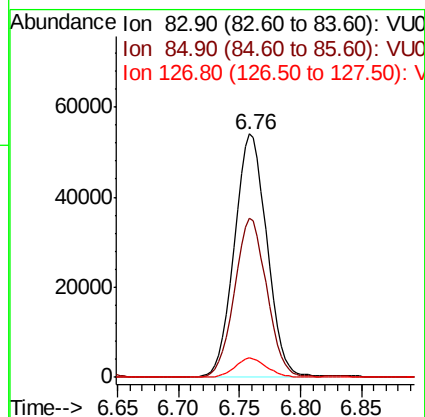
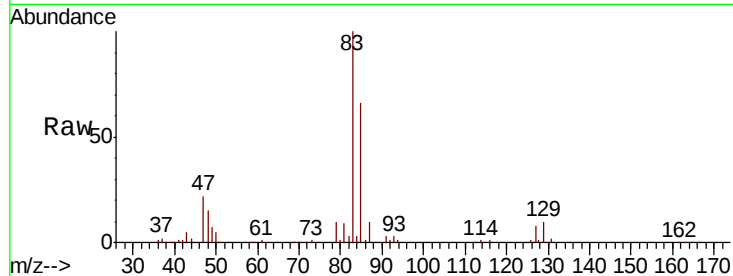
#47
 Bromodichloromethane
 Concen: 57.190 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	83	Resp	100343
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.5	78.7
127	7.9	6.3	9.5

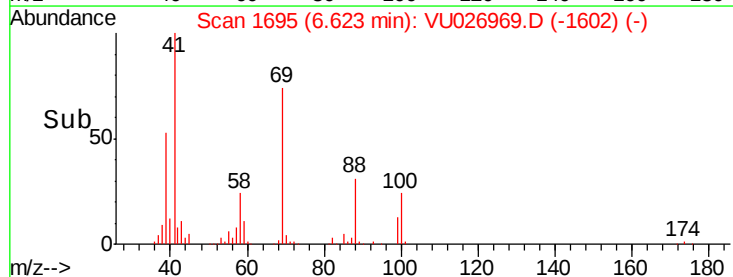
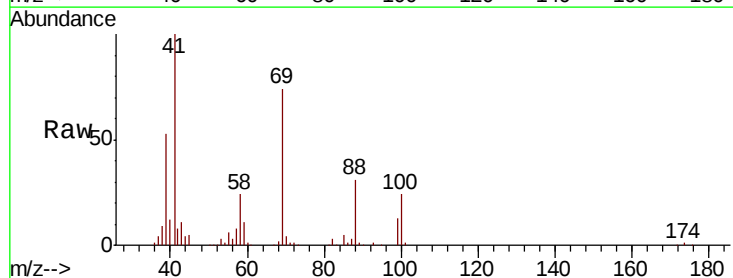
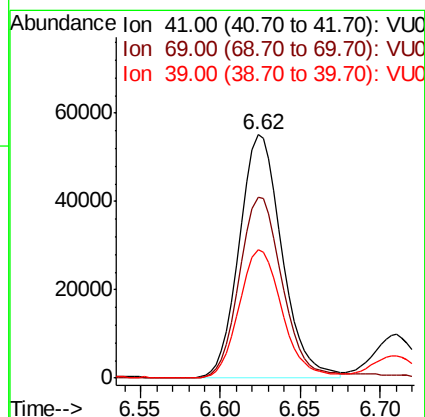
Manual Integrations
 APPROVED

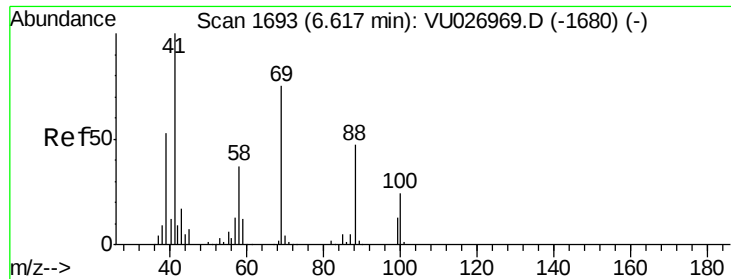
MMDadoda
 9/24/2018 2:14:05 PM



#48
 Methyl methacrylate
 Concen: 66.067 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Tgt Ion	41	Resp	100478
Ion Ratio	Lower	Upper	
41	100		
69	75.7	60.6	90.8
39	53.5	42.8	64.2





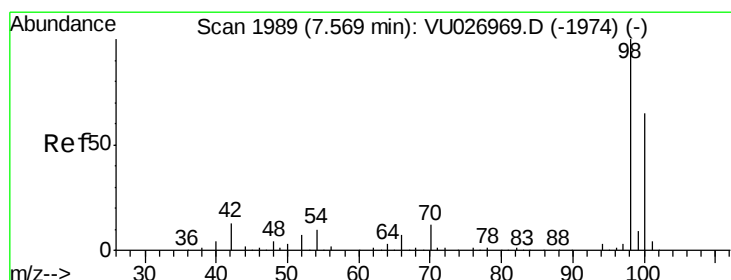
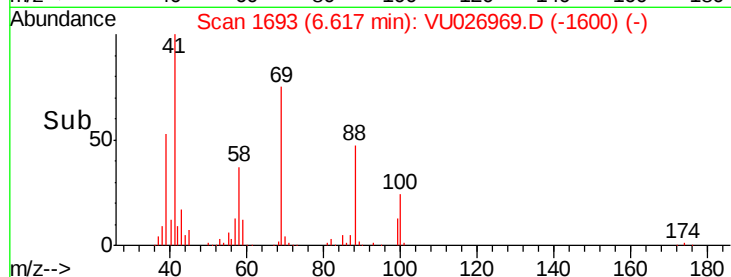
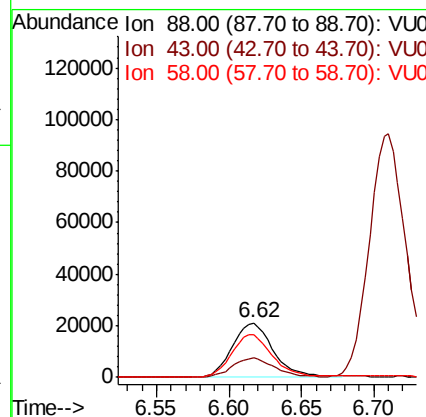
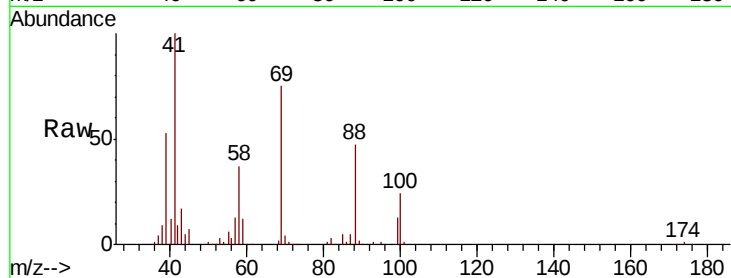
#49
1,4-Dioxane
Concen: 1192.023 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	29.8	44.8
58	79.9	63.9	95.9

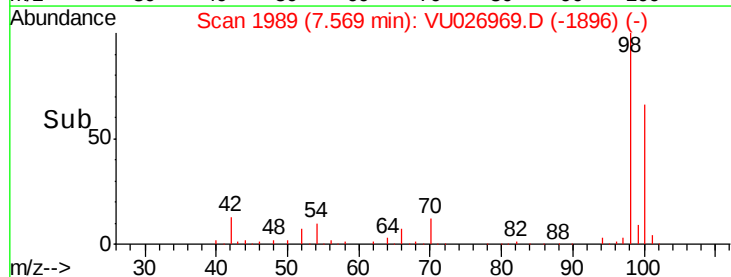
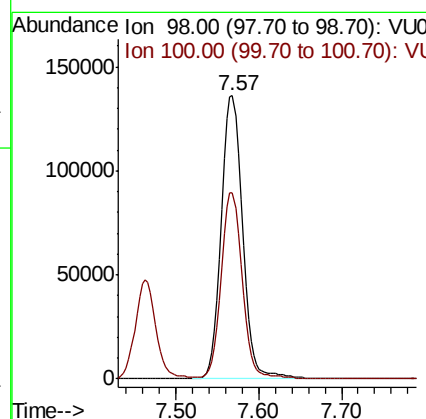
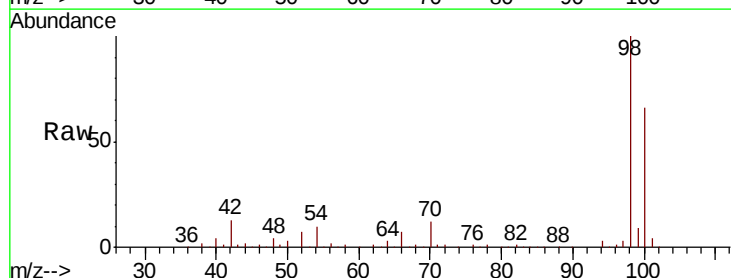
Manual Integrations
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#50
Toluene-d8
Concen: 55.183 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 326.260 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 675472

Ion Ratio Lower Upper

43 100

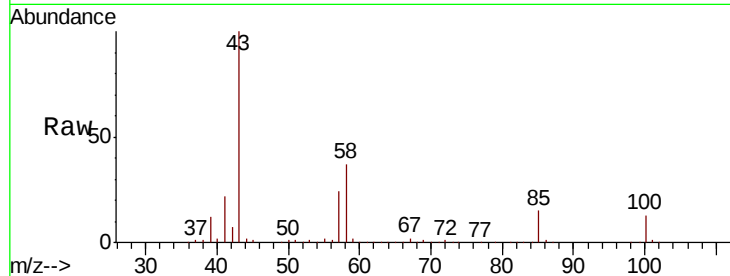
58 37.2 29.8 44.6

Manual Integrations

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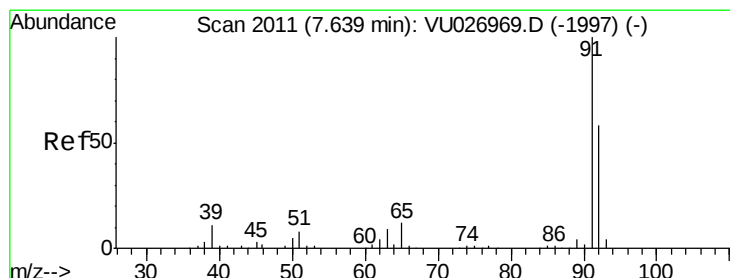
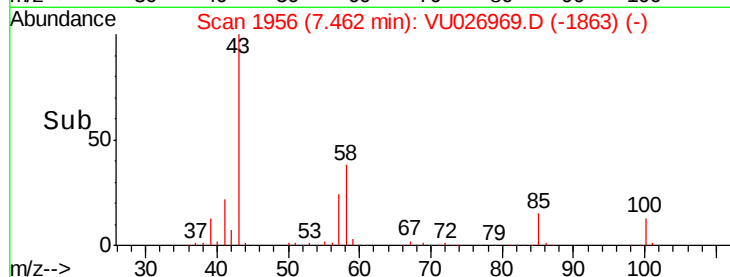
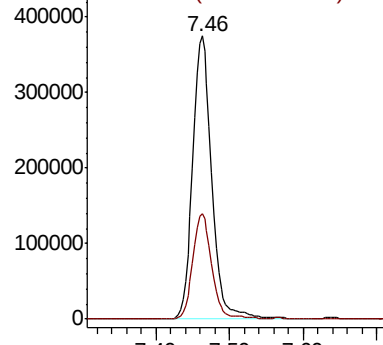
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 58.982 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026969.D

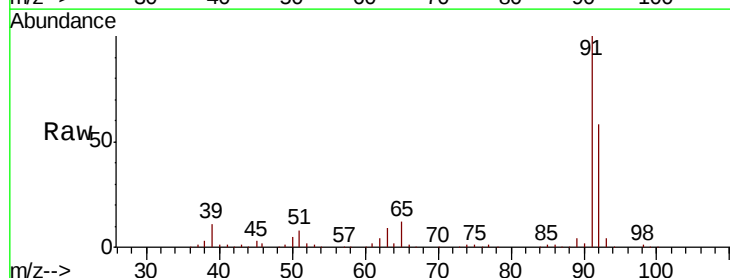
Acq: 21 Sep 2018 15:38

Tgt Ion: 92 Resp: 179309

Ion Ratio Lower Upper

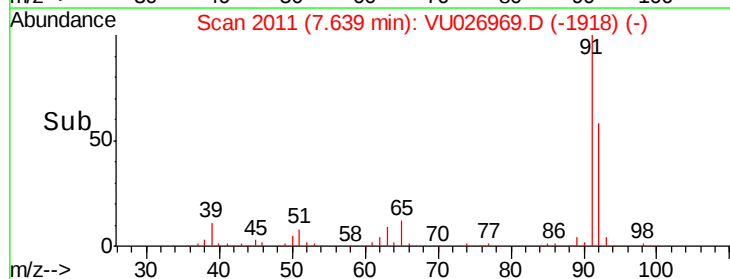
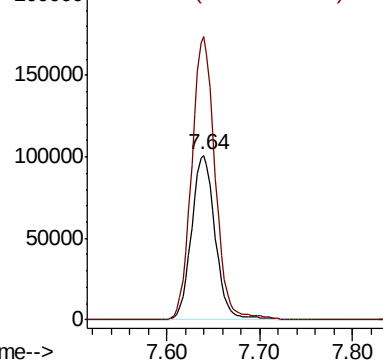
92 100

91 170.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





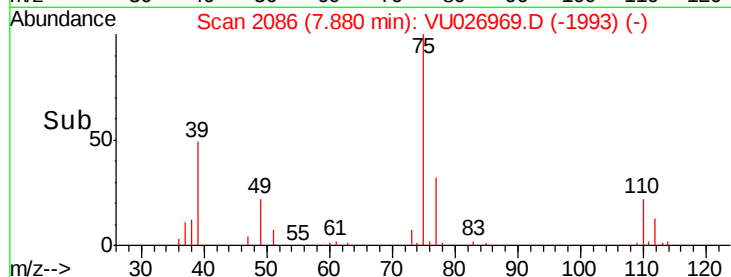
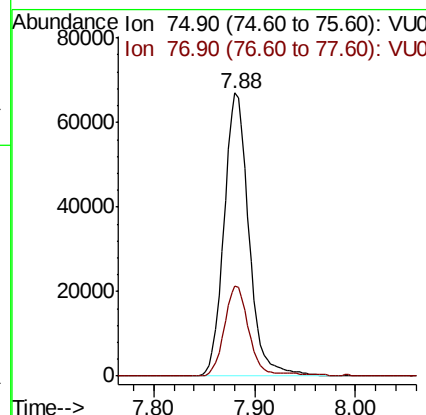
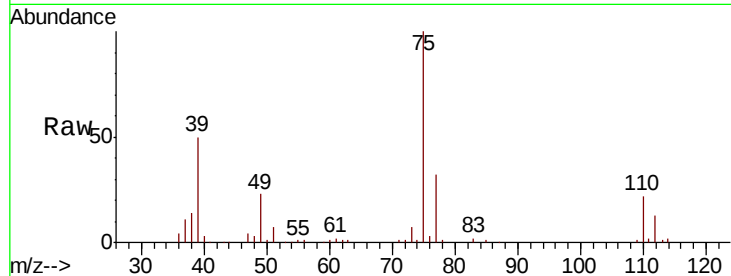
#53
t-1,3-Dichloropropene
Concen: 59.148 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	115719		
77	31.6	25.3	37.9	

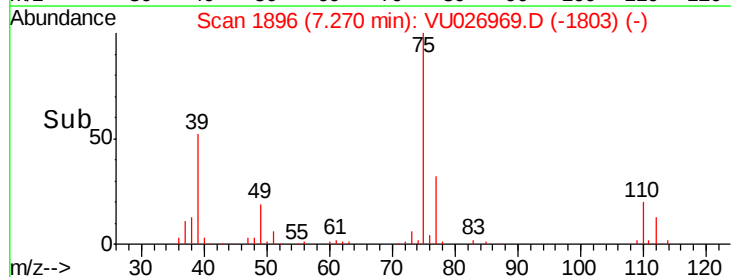
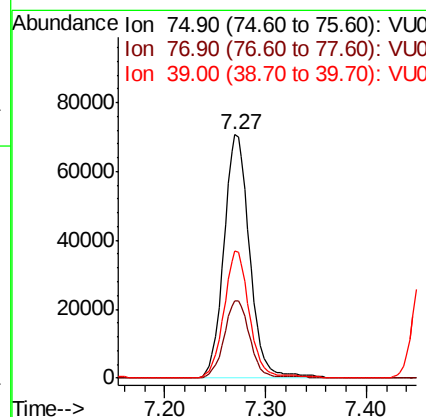
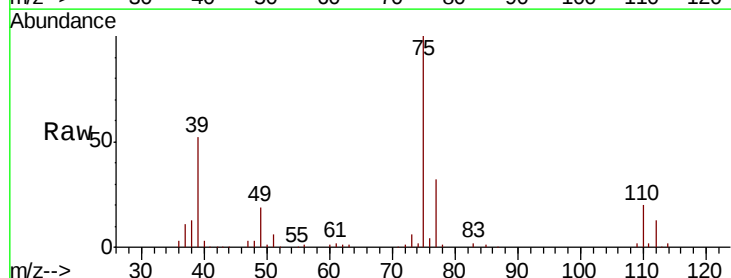
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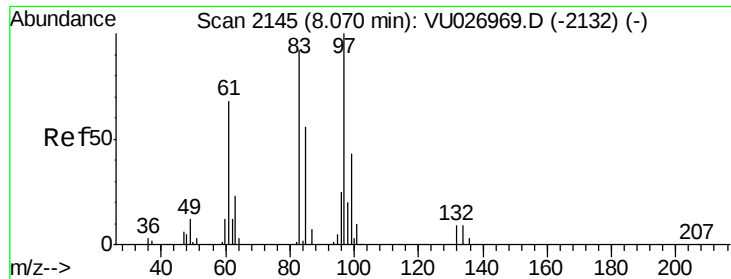
MMDadoda
9/24/2018 2:14:05 PM



#54
cis-1,3-Dichloropropene
Concen: 59.896 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126339		
77	31.7	25.4	38.0	
39	52.0	41.6	62.4	





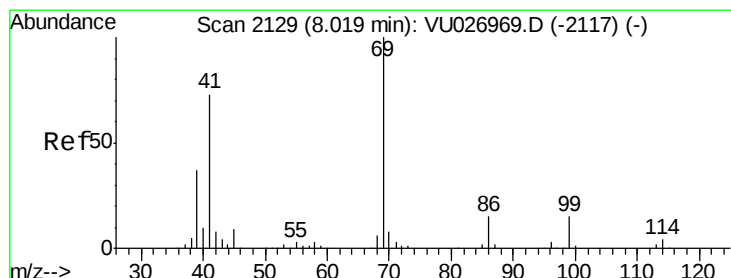
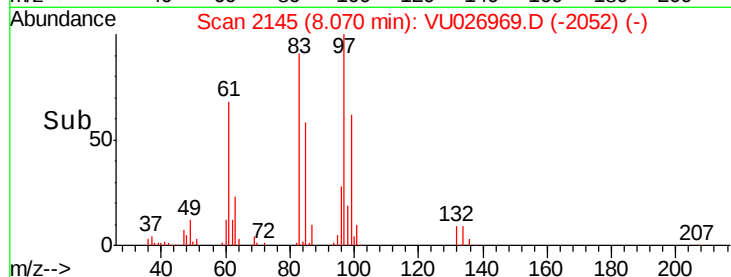
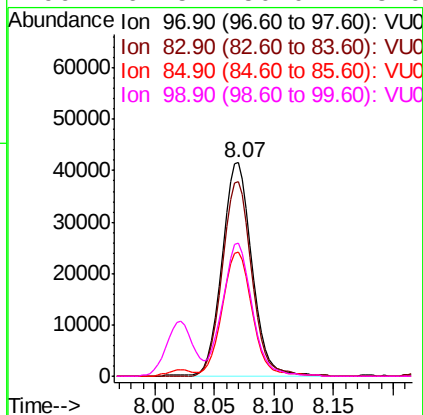
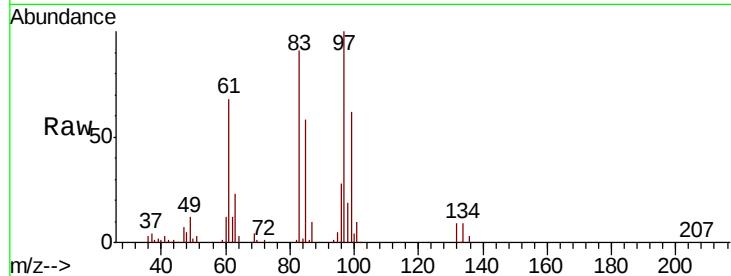
#55
 1,1,2-Trichloroethane
 Concen: 56.027 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	72448
Ion	Ratio	Lower	Upper
97	100		
83	91.4	73.1	109.7
85	58.4	46.7	70.1
99	62.5	50.0	75.0

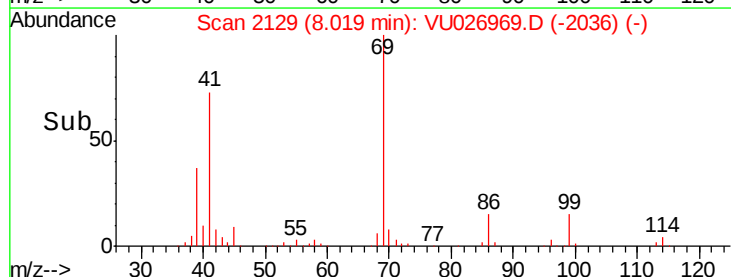
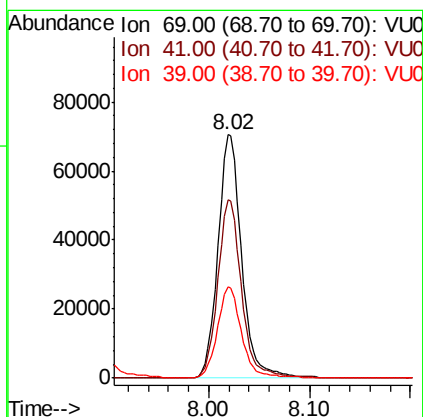
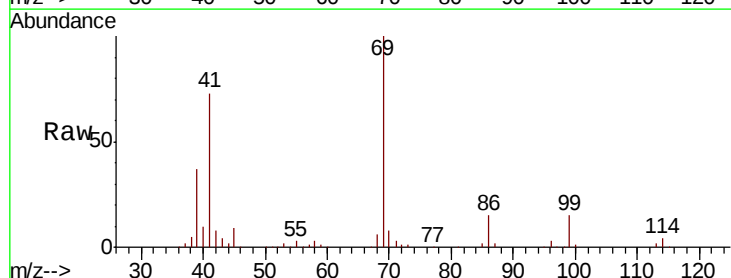
Manual Integrations
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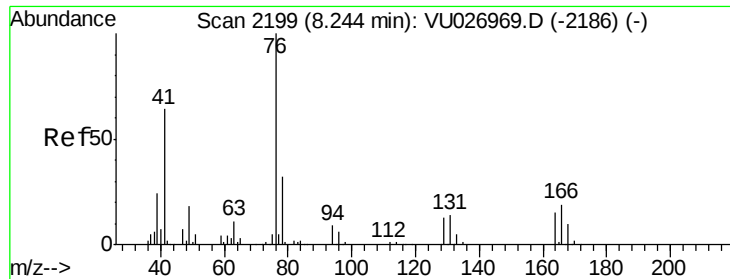
MMDadoda
 9/24/2018 2:14:05 PM



#56
 Ethyl methacrylate
 Concen: 60.800 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Tgt Ion:	69	Resp:	115844
Ion	Ratio	Lower	Upper
69	100		
41	73.7	59.0	88.4
39	37.8	30.2	45.4





#57

1,3-Dichloropropane

Concen: 60.700 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Tot Ion: 76 Resp: 136188

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3

Instrument :

MSVOA_U

ClientSampleId :

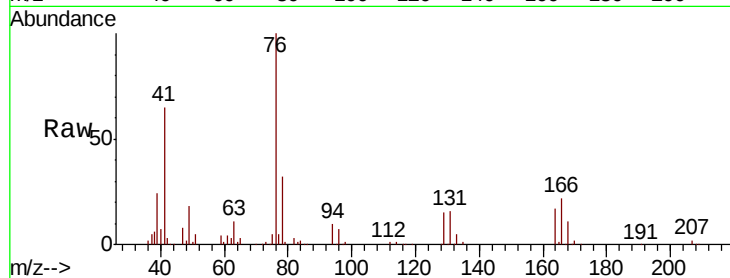
VSTDICCC050

Manual Integrations

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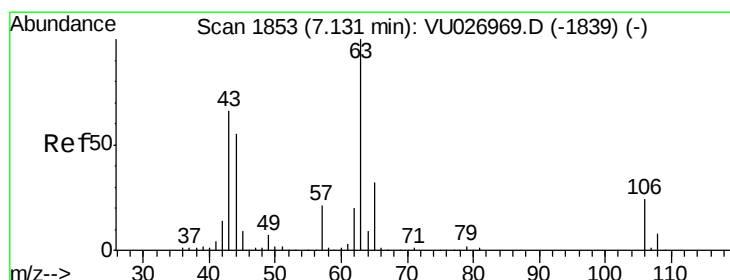
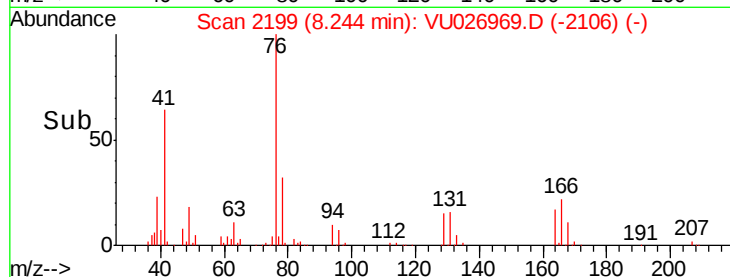
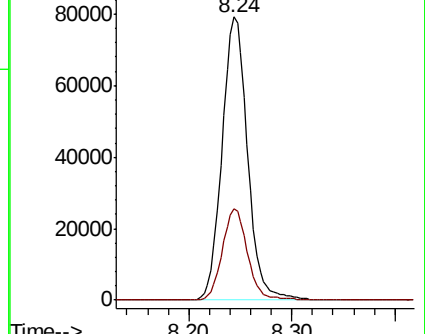
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 352.934 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU026969.D

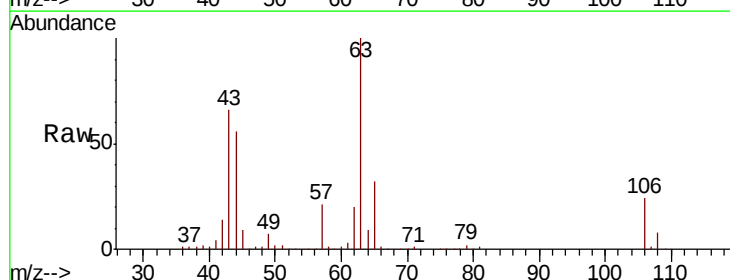
Acq: 21 Sep 2018 15:38

Tgt Ion: 63 Resp: 344665

Ion Ratio Lower Upper

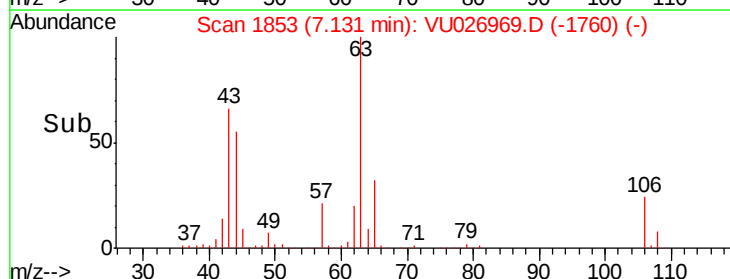
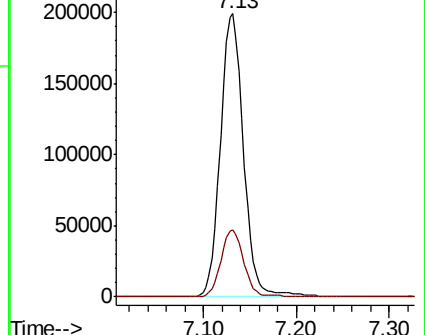
63 100

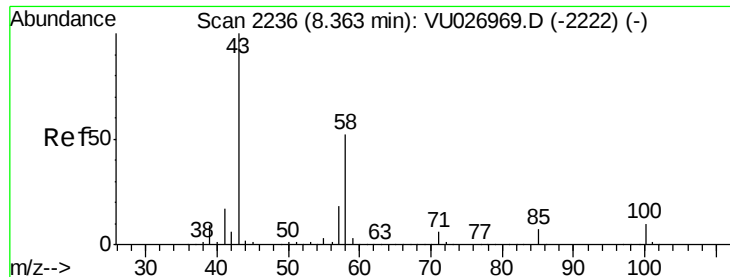
106 23.4 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





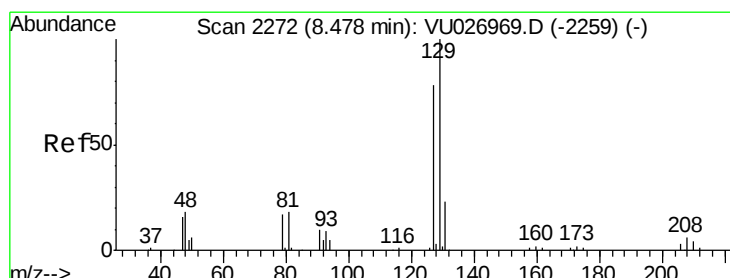
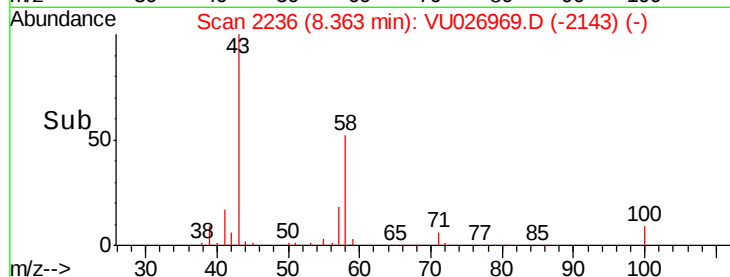
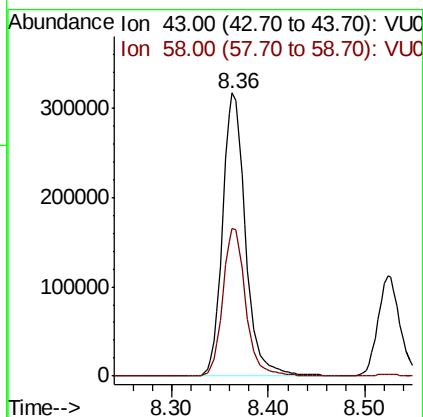
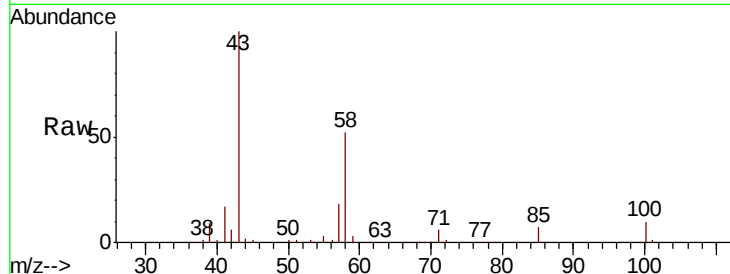
#59
2-Hexanone
Concen: 321.388 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

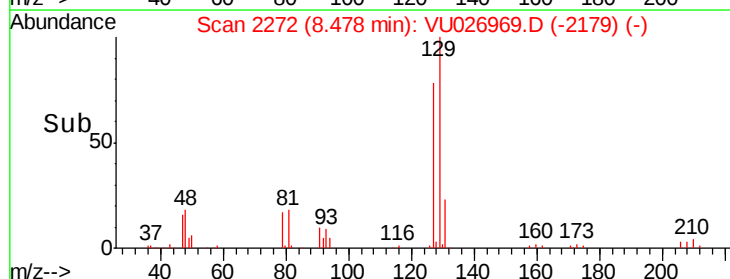
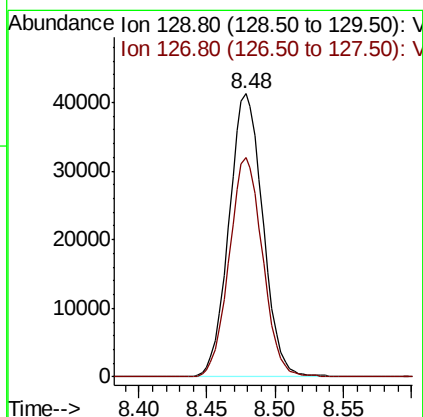
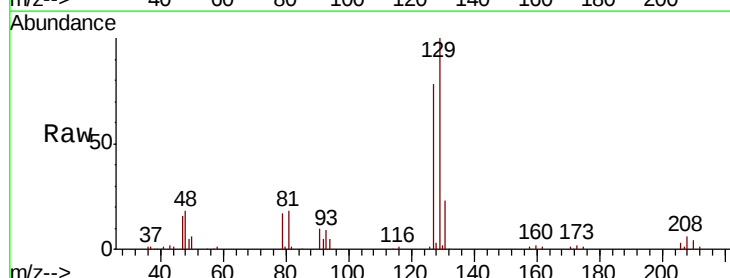
Manual Integrations
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#60
Dibromochloromethane
Concen: 51.838 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.1	114.5





#61

1,2-Dibromoethane

Concen: 54.024 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 75485

Ion Ratio Lower Upper

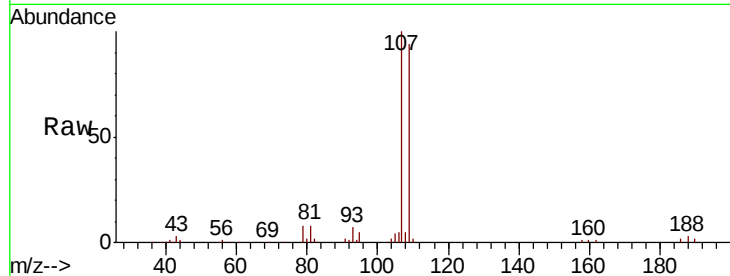
107 100

109 93.8 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

50000

40000

30000

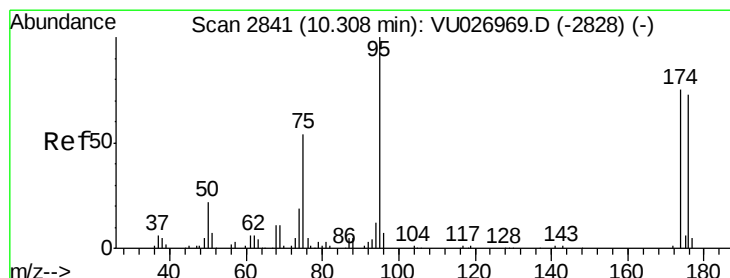
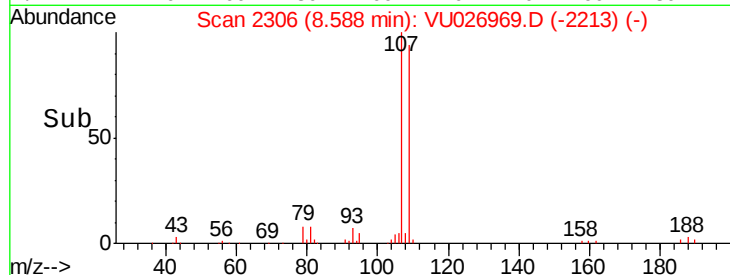
20000

10000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 52.794 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

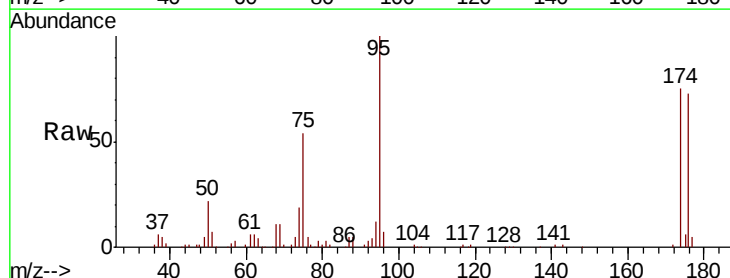
Tgt Ion: 95 Resp: 83533

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 72.6 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

60000

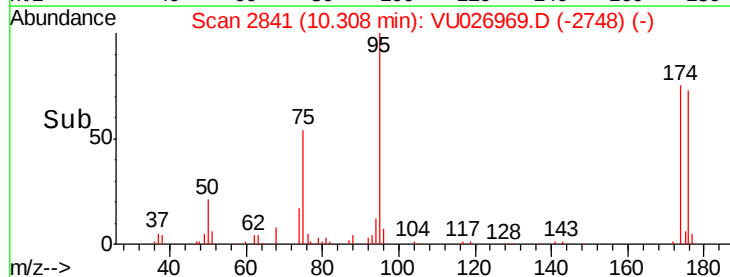
40000

20000

0

Time-->

10.25 10.30 10.35 10.40





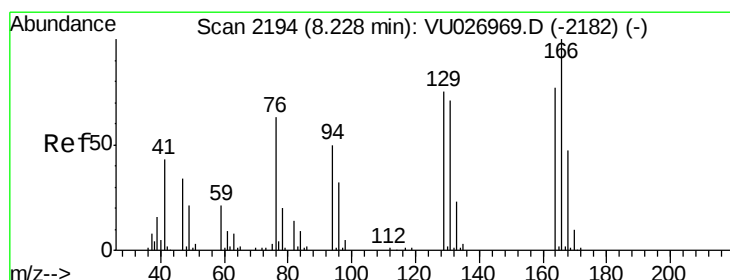
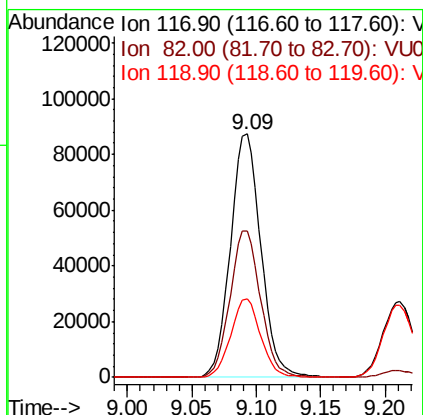
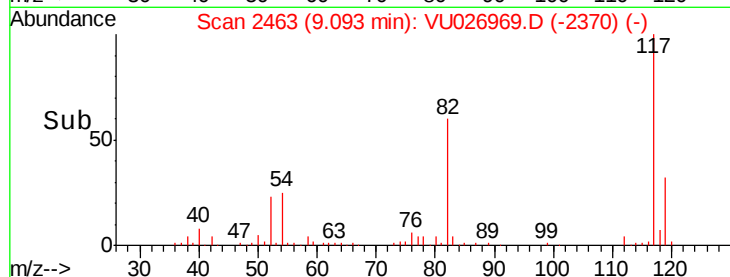
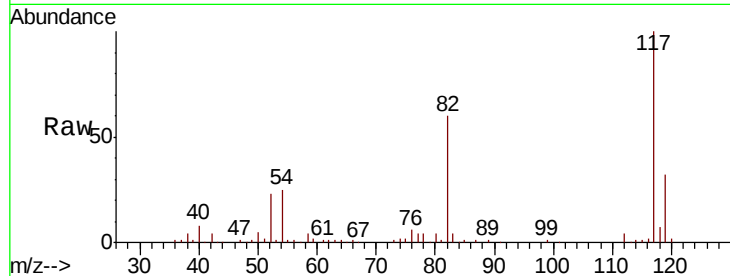
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.0	72.0
119	32.3	25.8	38.8

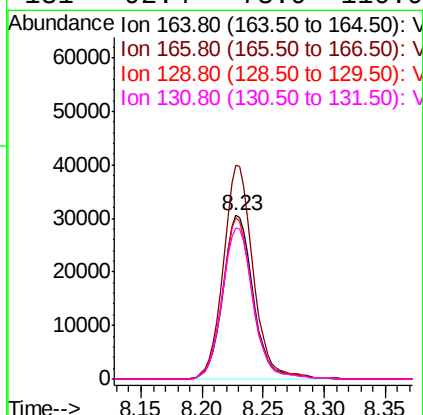
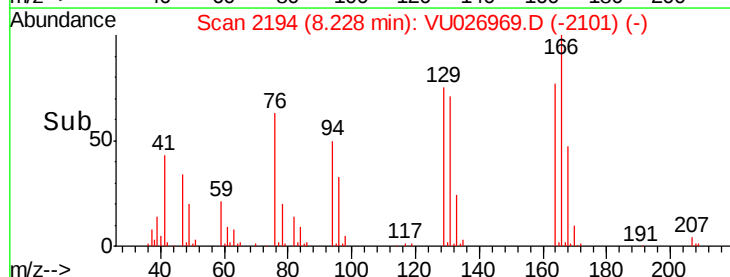
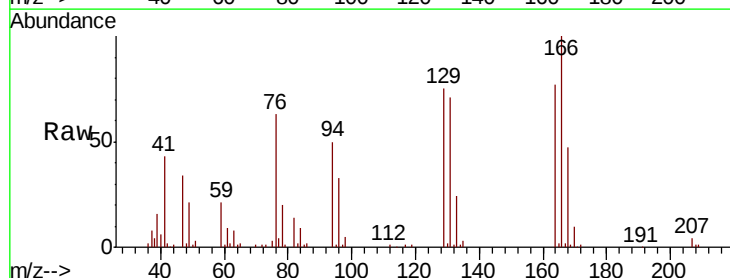
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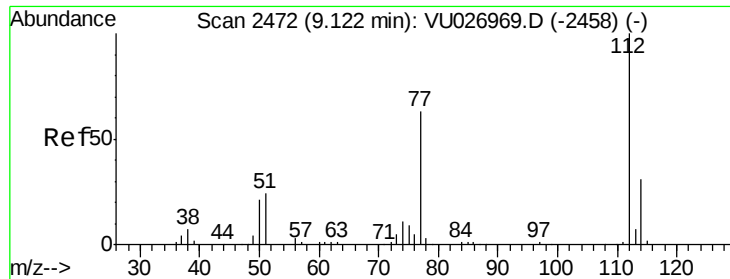
MMDadoda
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#64
Tetrachloroethene
Concen: 47.440 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	104.4	156.6
129	98.4	78.7	118.1
131	92.4	73.9	110.9





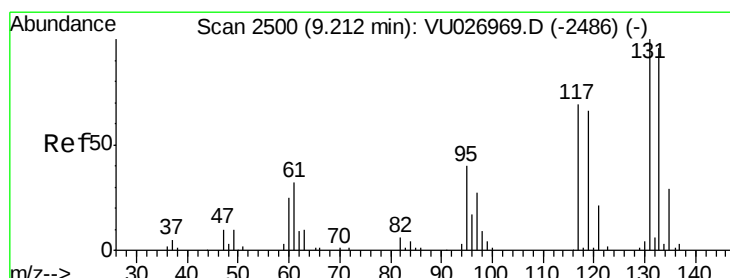
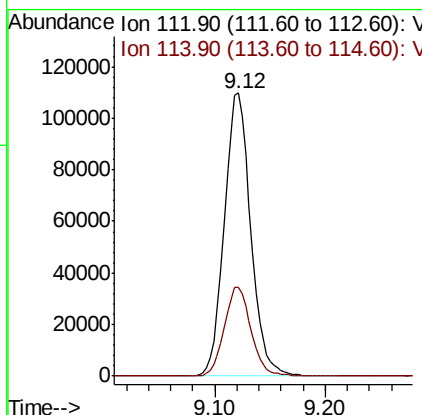
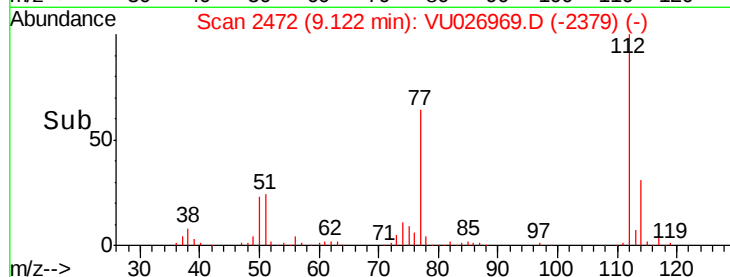
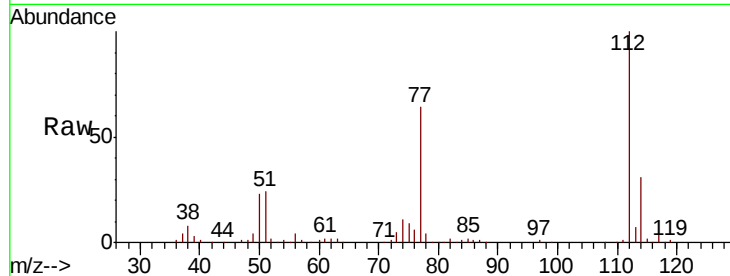
#65
Chlorobenzene
Concen: 51.172 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 182386
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6

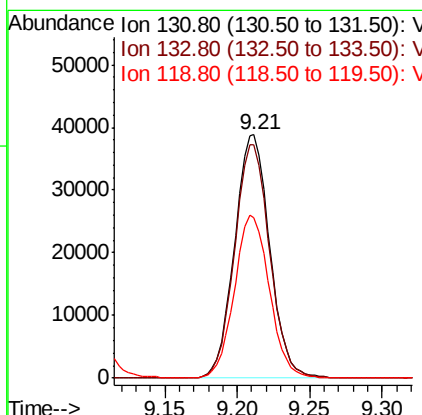
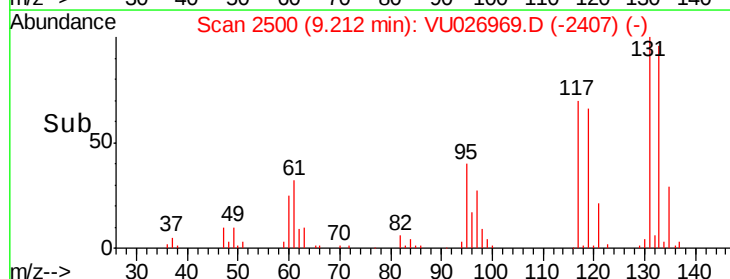
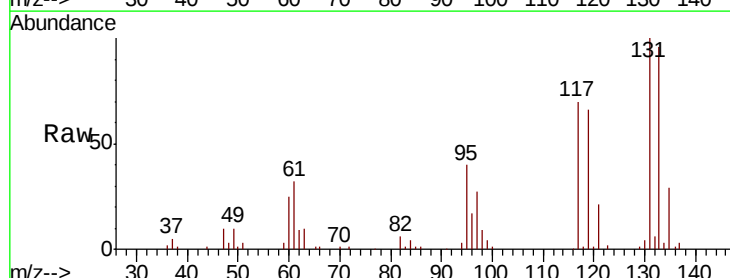
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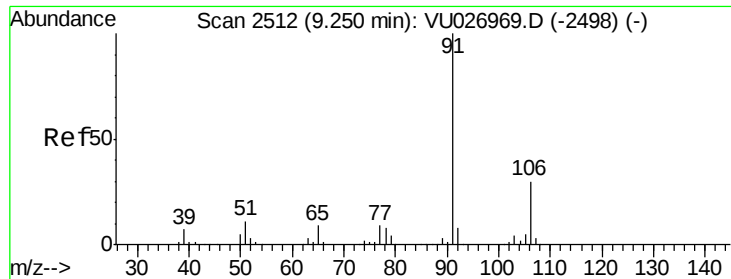
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.043 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion:131 Resp: 65348
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 66.7 33.4 100.1





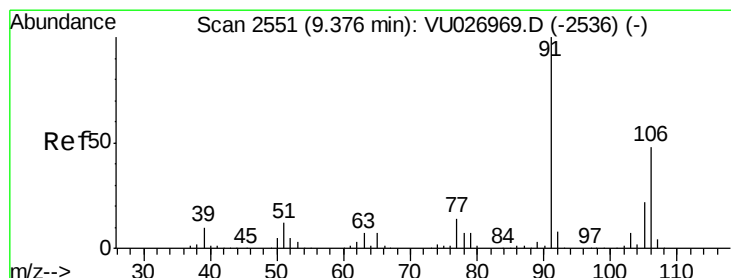
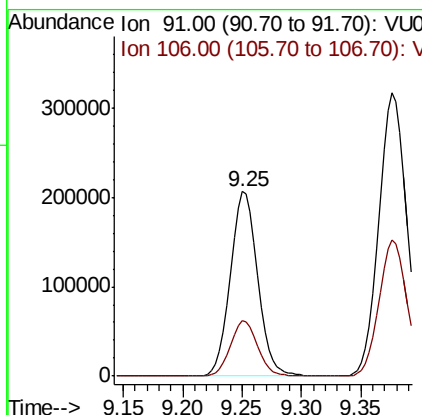
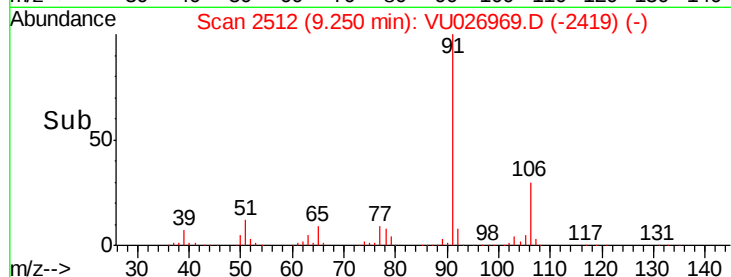
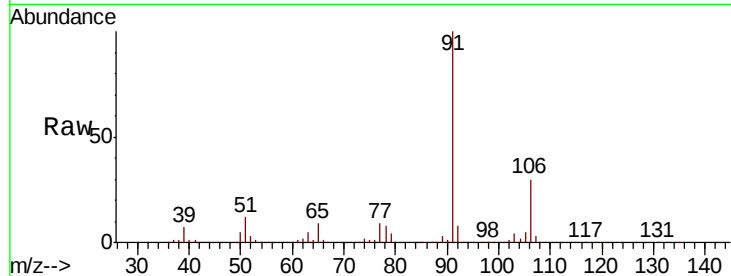
#67
Ethyl Benzene
Concen: 55.548 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 329384
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

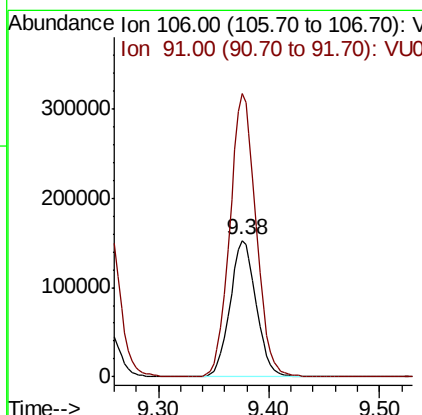
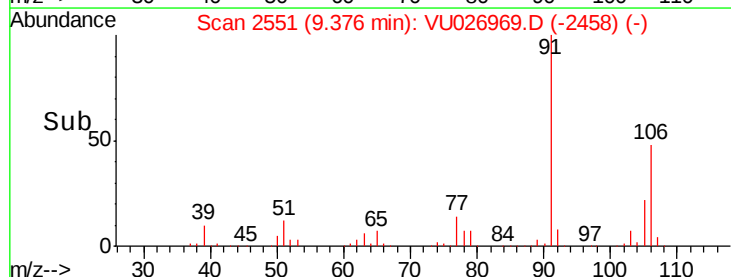
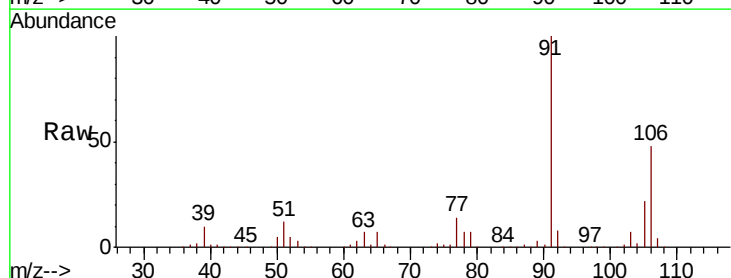
Manual Integrations
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#68
m/p-Xylenes
Concen: 111.553 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion: 106 Resp: 250132
Ion Ratio Lower Upper
106 100
91 208.1 166.5 249.7





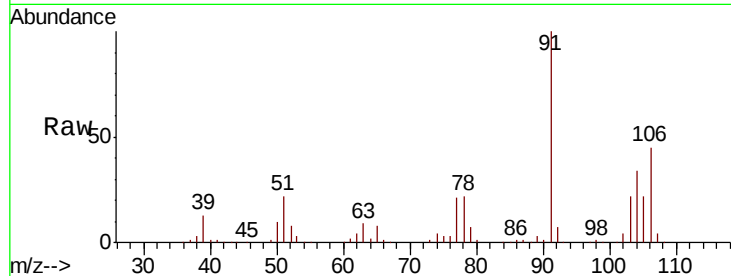
#69
o-Xylene
Concen: 54.520 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

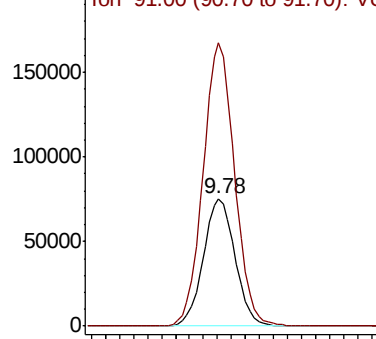
Tot Ion:106 Resp: 118570
Ion Ratio Lower Upper
106 100
91 220.4 110.2 330.6

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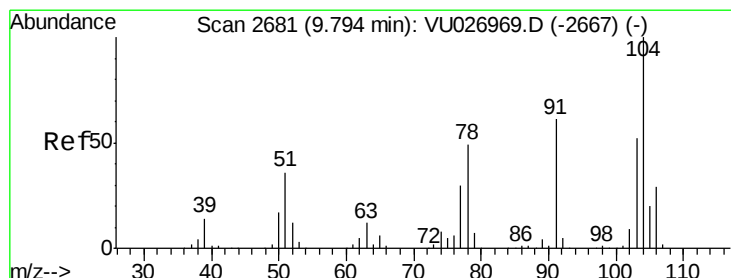
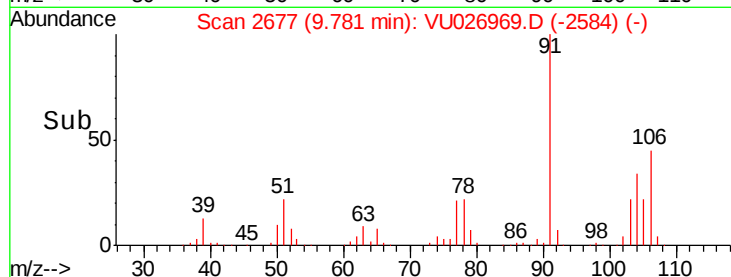
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

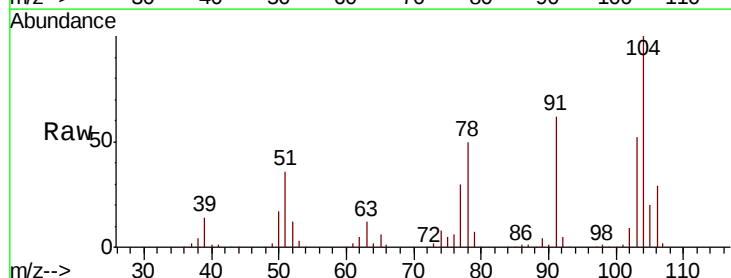


Time-->

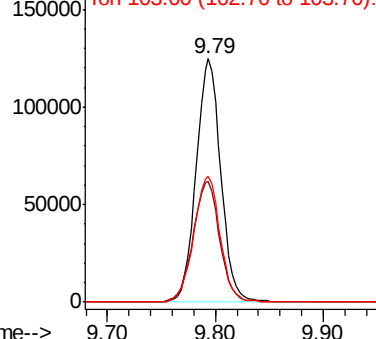


#70
Styrene
Concen: 55.826 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

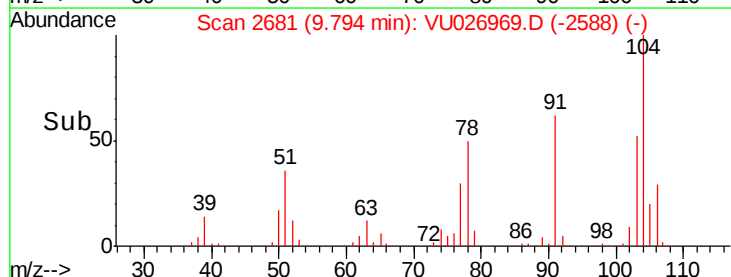
Tgt Ion:104 Resp: 199001
Ion Ratio Lower Upper
104 100
78 53.7 43.0 64.4
103 55.1 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 45.783 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

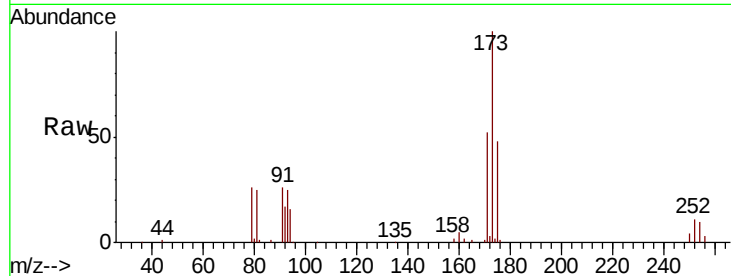
ClientSampleId :

VSTDICCC050

Tot Ion:	173	Resp:	50891
Ion Ratio	Lower	Upper	
173	100		
175	47.9	23.9	71.8
254	0.0	0.0	0.0

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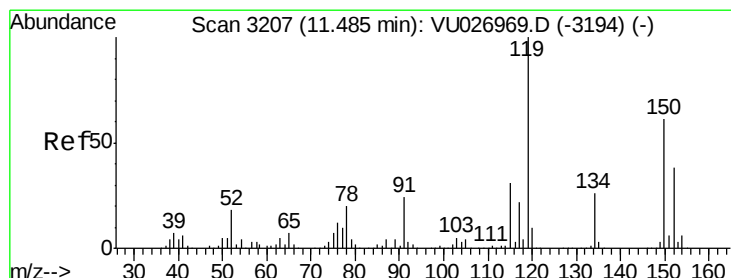
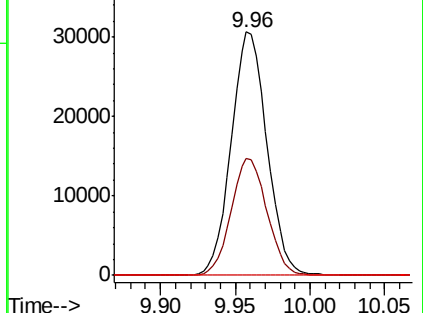
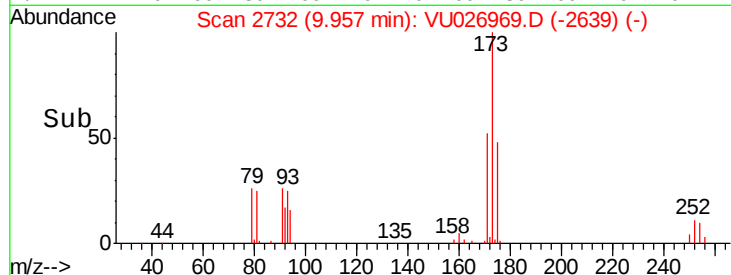


Abundance

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

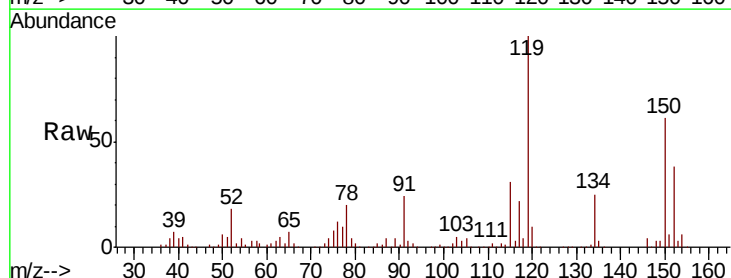
RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Tgt Ion:	152	Resp:	79412
Ion Ratio	Lower	Upper	
152	100		
115	89.7	44.9	134.5
150	177.9	0.0	355.8

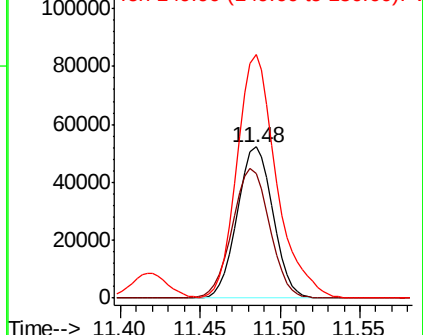
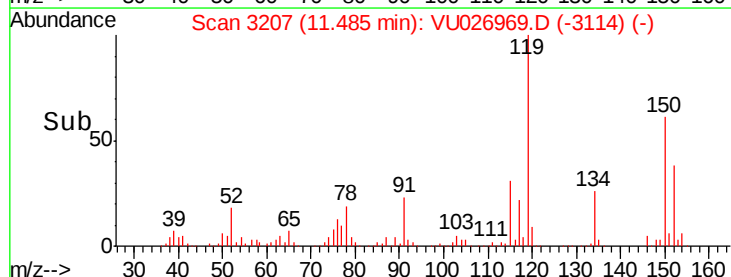


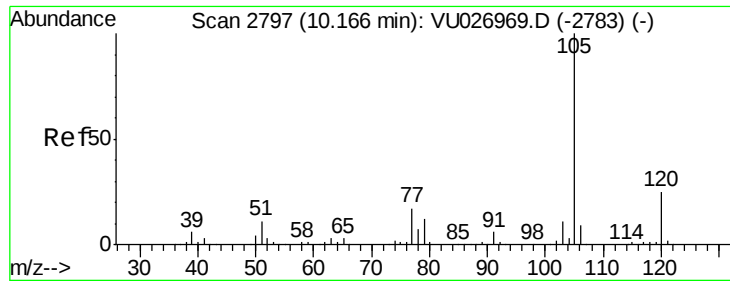
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.057 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 321854

Ion Ratio Lower Upper

105 100

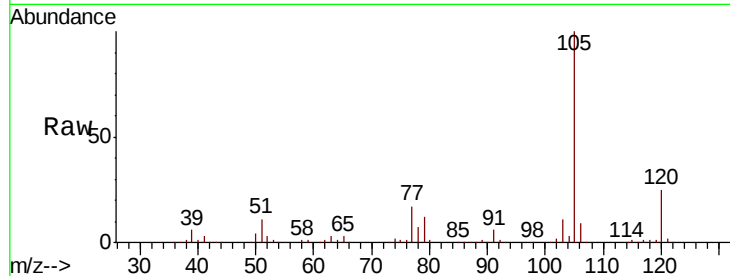
120 25.6 12.8 38.4

Manual Integrations

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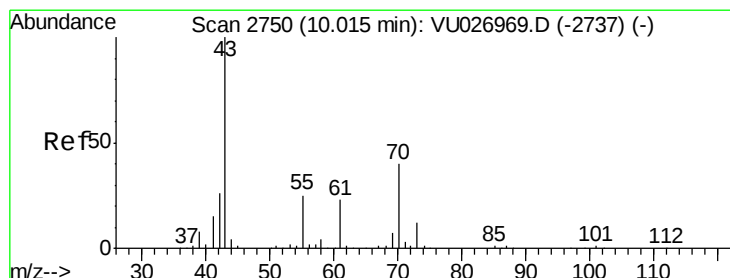
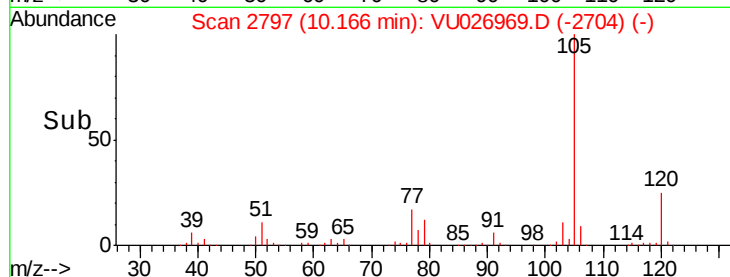
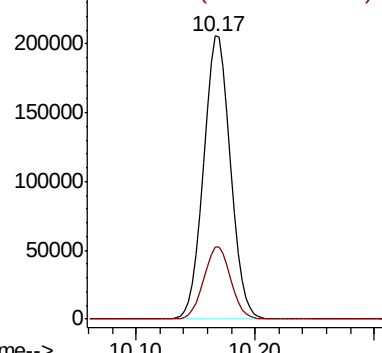
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 66.162 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Tgt Ion: 43 Resp: 178869

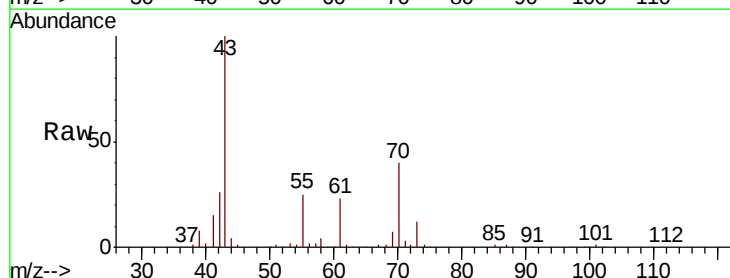
Ion Ratio Lower Upper

43 100

70 39.8 31.8 47.8

55 24.9 19.9 29.9

61 23.0 18.4 27.6

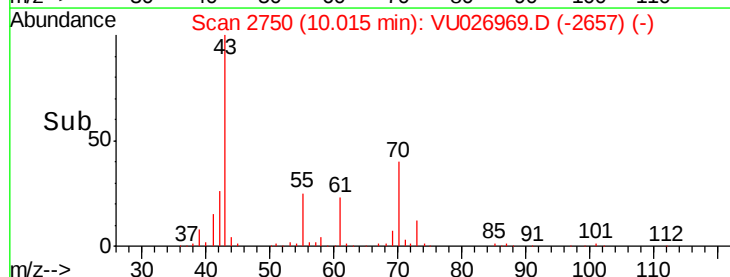
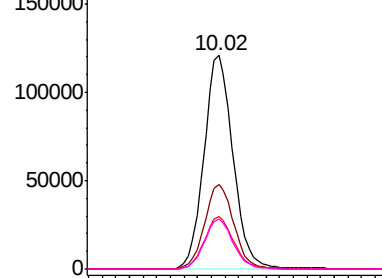


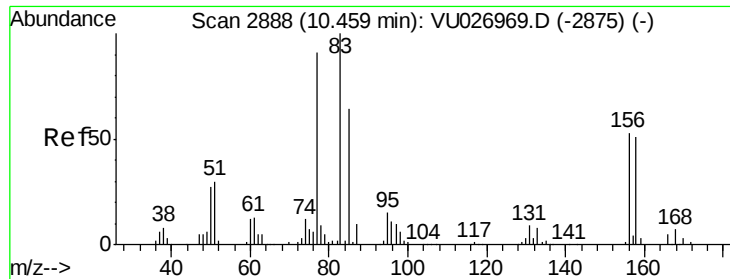
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 56.244 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Instrument :

MSVOA_U

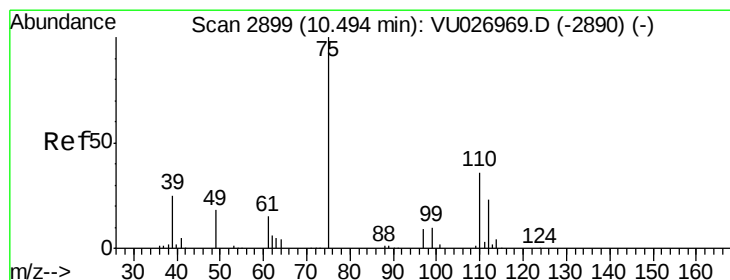
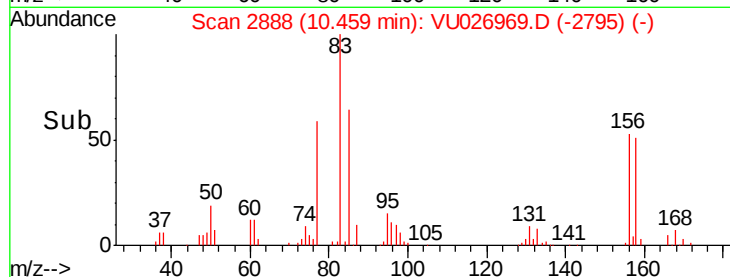
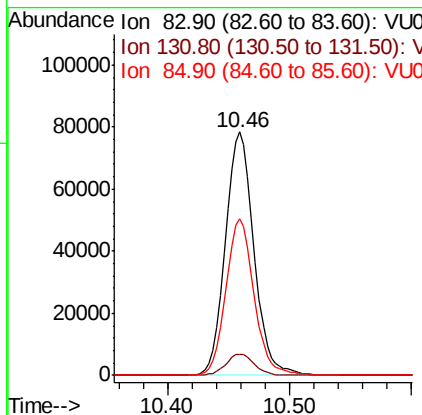
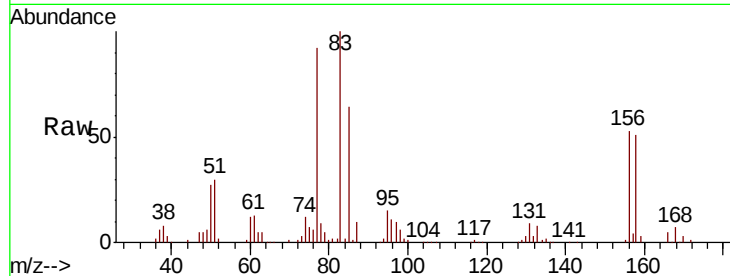
ClientSampled :

VSTDICCC050

Tot Ion:	83	Resp:	128523
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.3	12.8
85	63.8	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 62.940 ug/l m

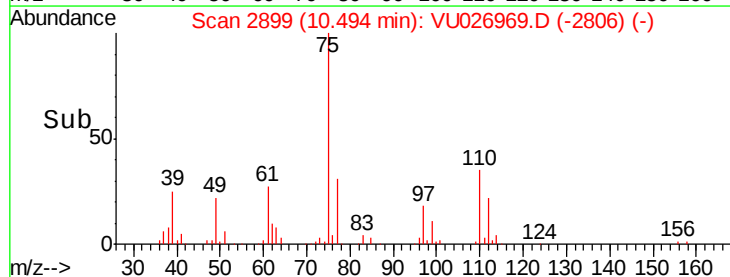
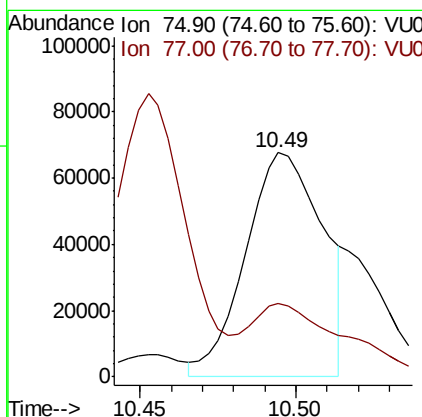
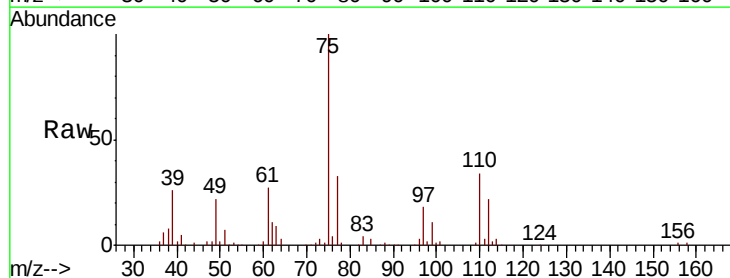
RT: 10.49 min Scan# 2899

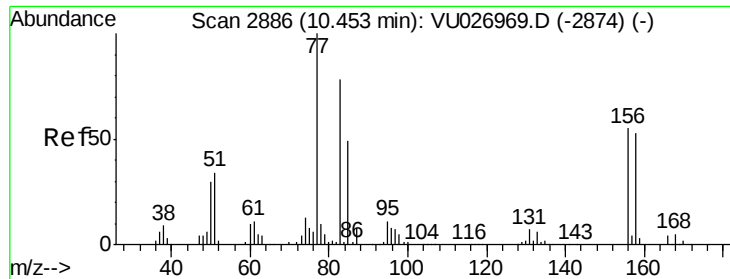
Delta R.T. 0.00 min

Lab File: VU026969.D

Acq: 21 Sep 2018 15:38

Tgt Ion:	75	Resp:	117022
Ion Ratio	Lower	Upper	
75	100		
77	39.1	20.9	62.8





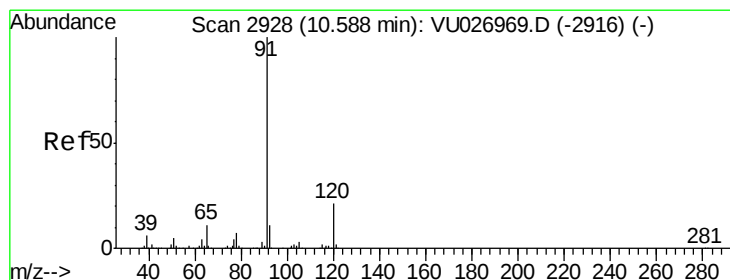
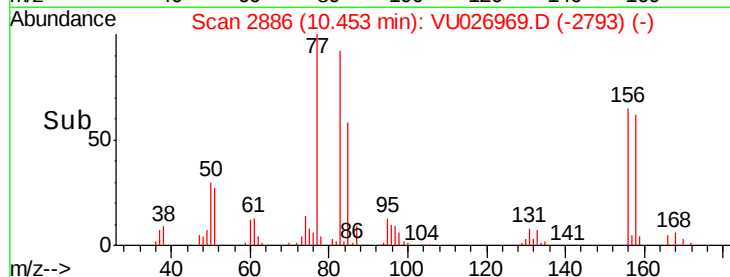
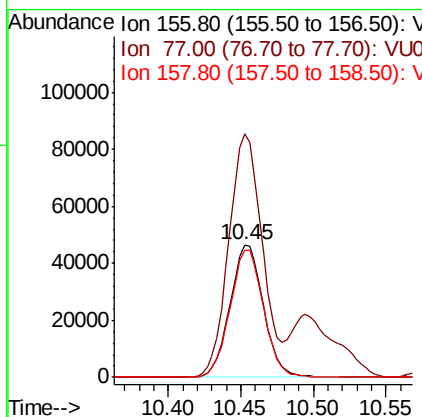
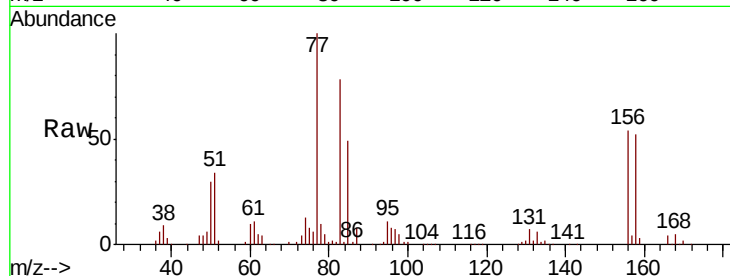
#77
Bromobenzene
Concen: 50.235 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.6	92.3	276.9
158	96.2	48.1	144.3

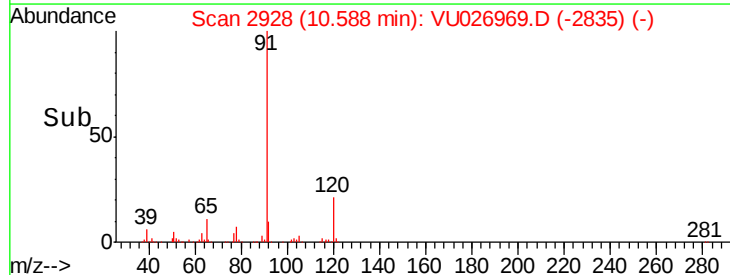
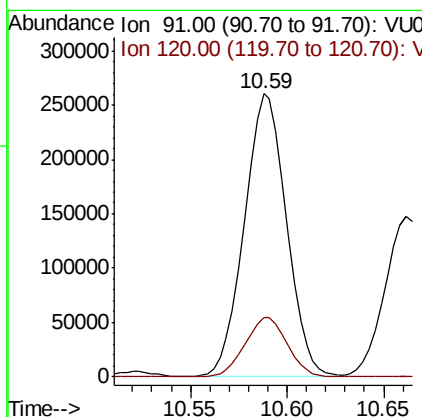
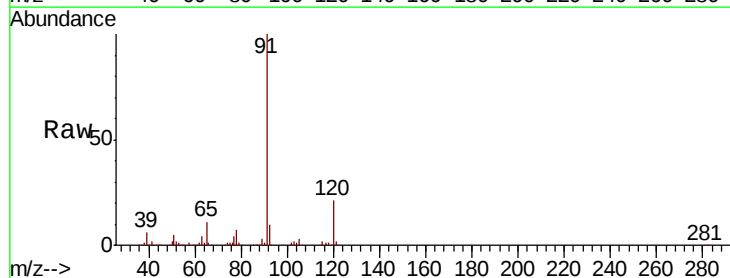
Manual Integrations
APPROVED

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9/24/2018 2:14:05 PM



#78
n-propylbenzene
Concen: 60.783 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.6	31.8





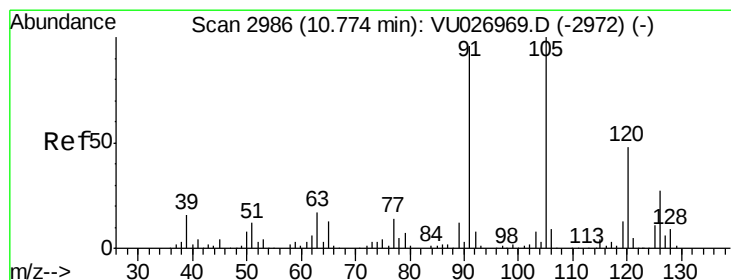
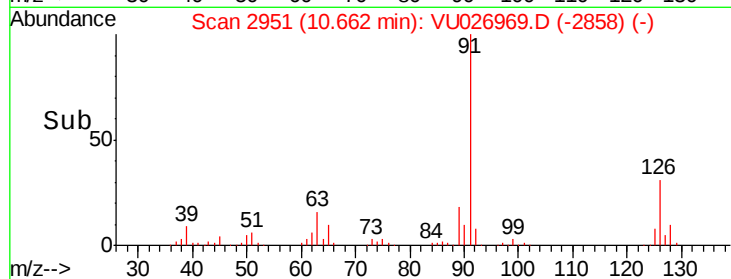
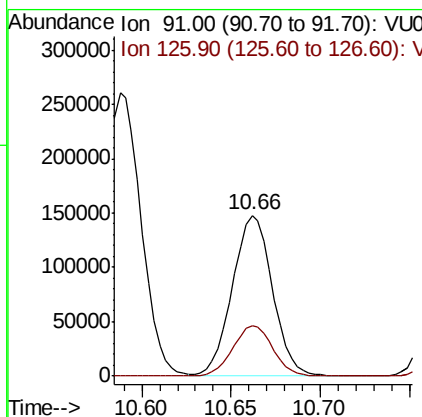
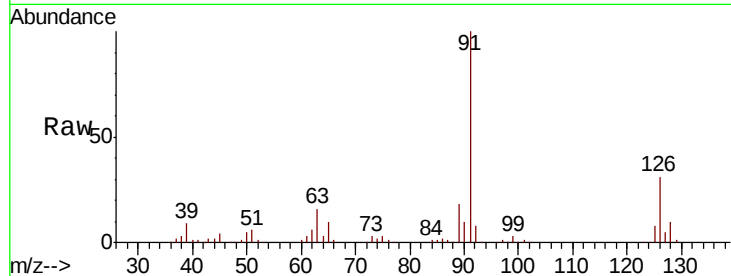
#79
2-Chlorotoluene
Concen: 57.540 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.8	47.3

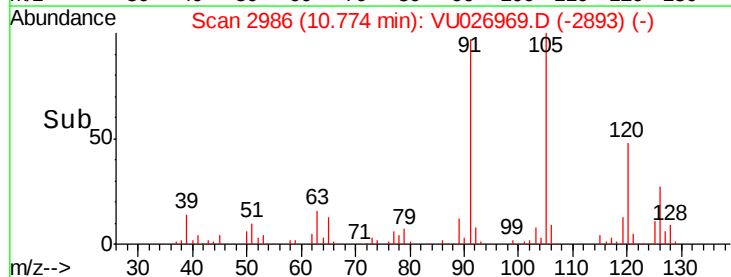
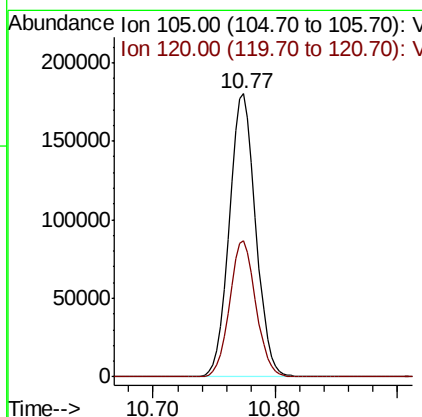
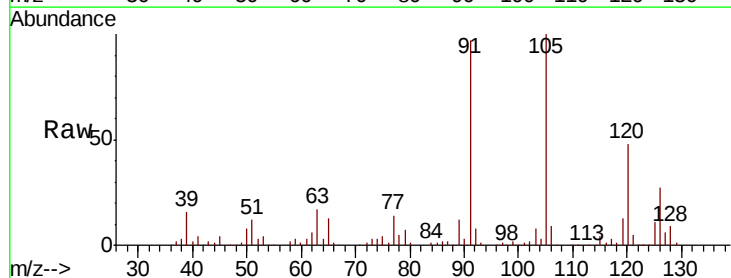
Manual Integrations
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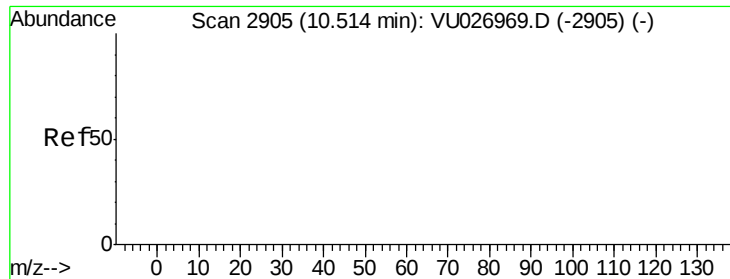
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 58.503 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7





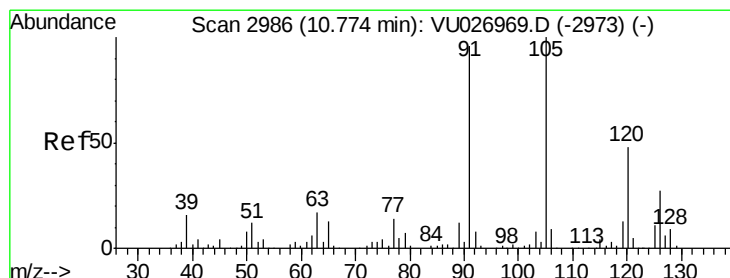
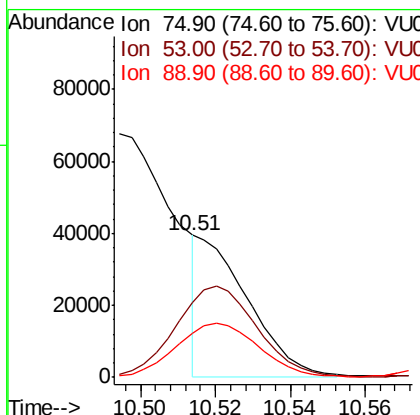
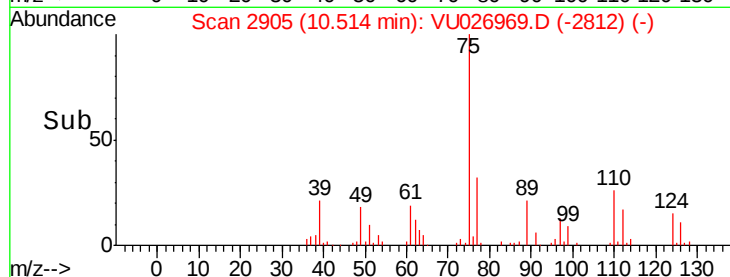
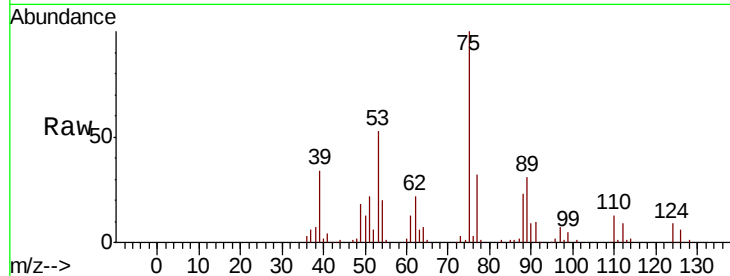
#81
trans-1,4-Dichloro-2-butene
Concen: 56.414 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

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

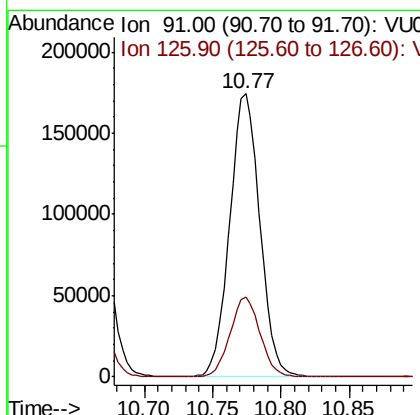
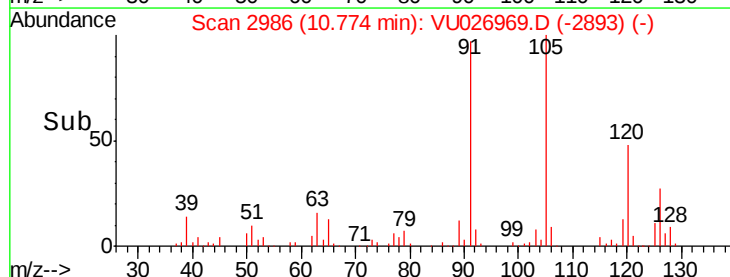
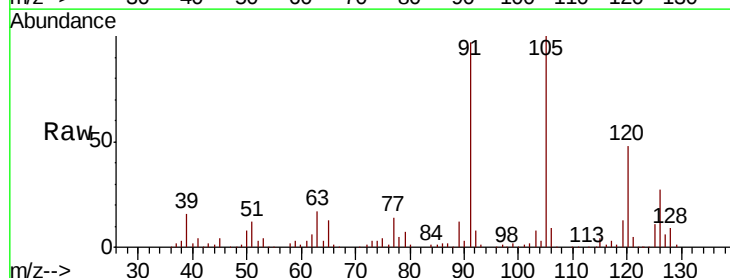
Manual Integrations
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#82
4-Chlorotoluene
Concen: 59.023 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.2





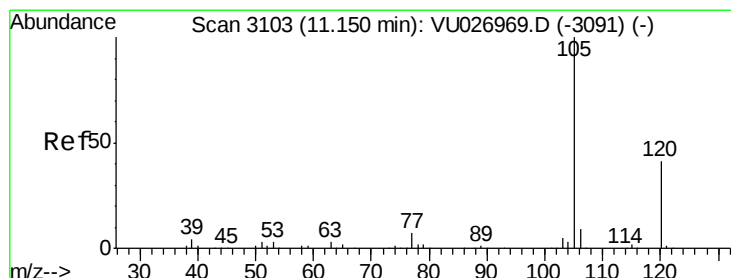
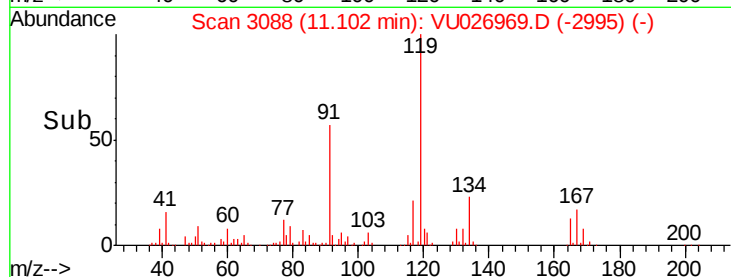
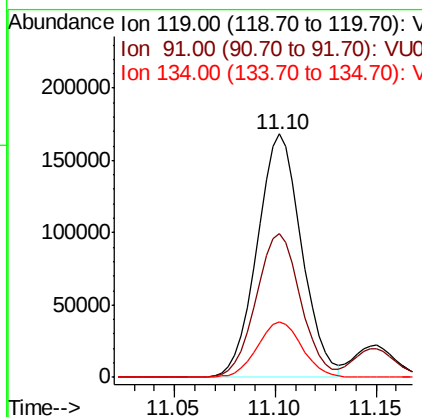
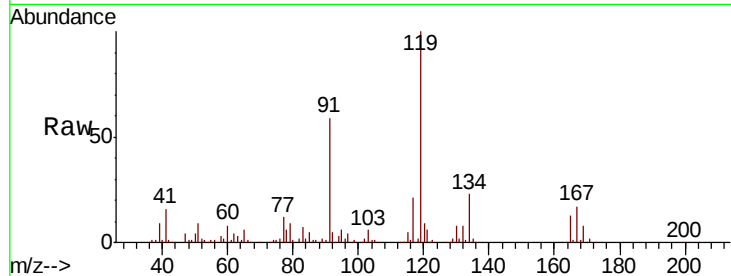
#83
tert-Butylbenzene
Concen: 55.174 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258040		
91	59.6	29.8	89.4	
134	22.9	11.5	34.4	

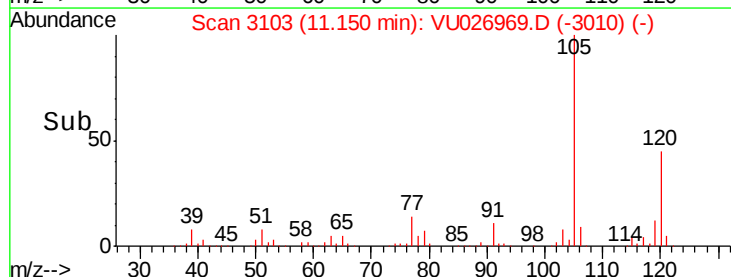
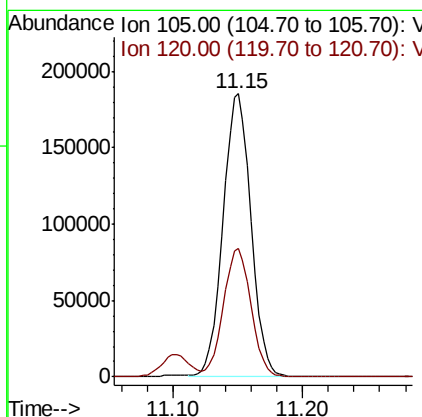
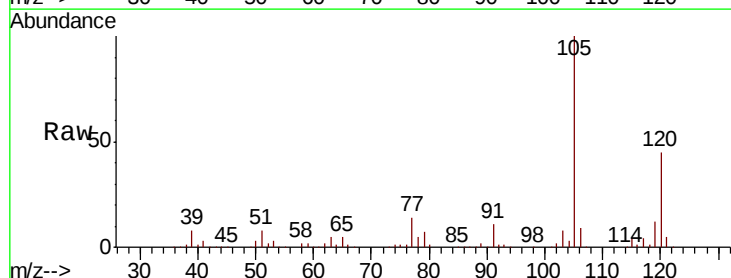
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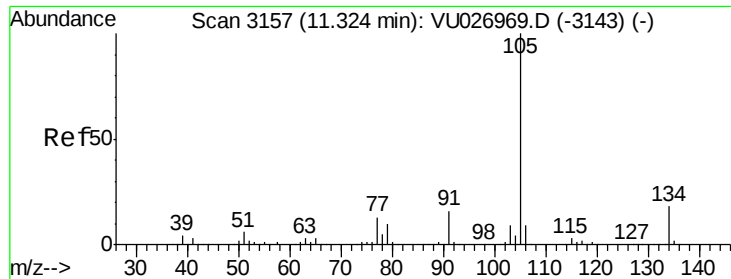
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#84
1,2,4-Trimethylbenzene
Concen: 59.241 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	278460		
120	44.8	22.4	67.2	





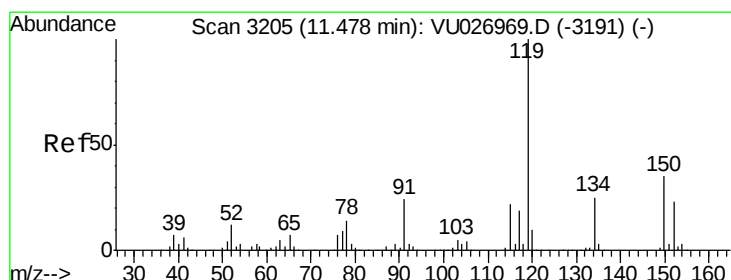
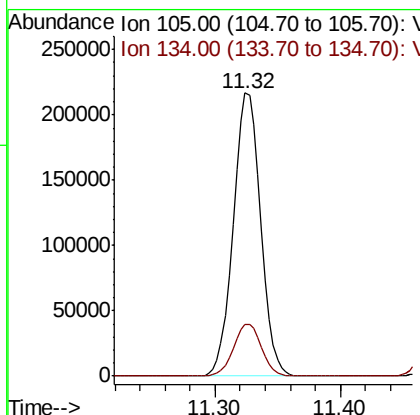
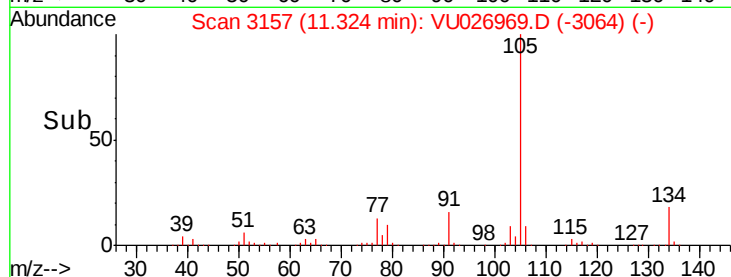
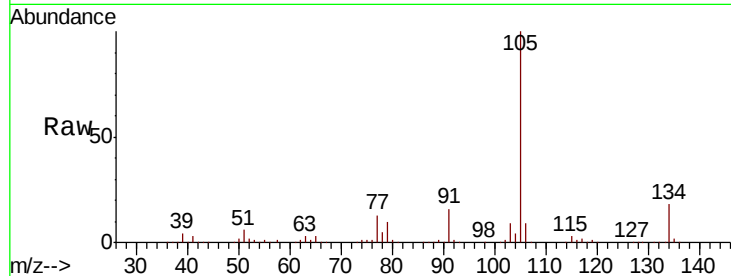
#85
 sec-Butylbenzene
 Concen: 58.463 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.4	28.2

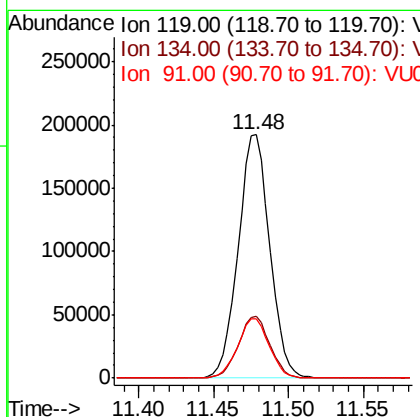
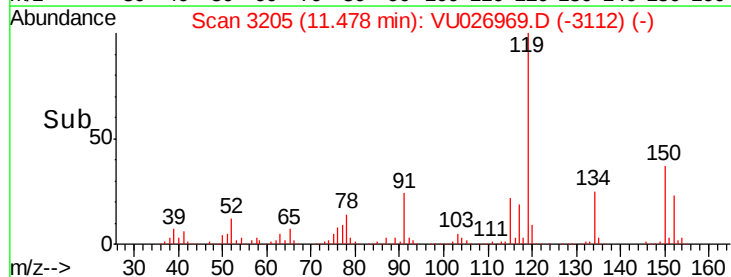
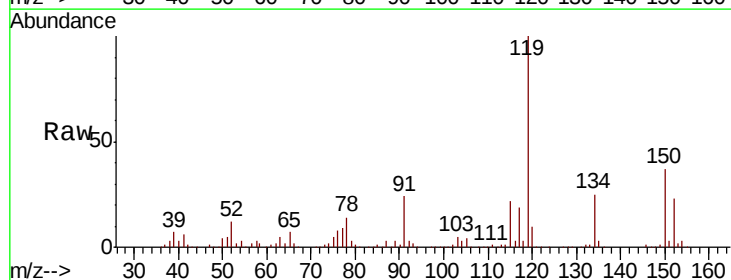
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 57.977 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.3
91	24.5	12.3	36.8





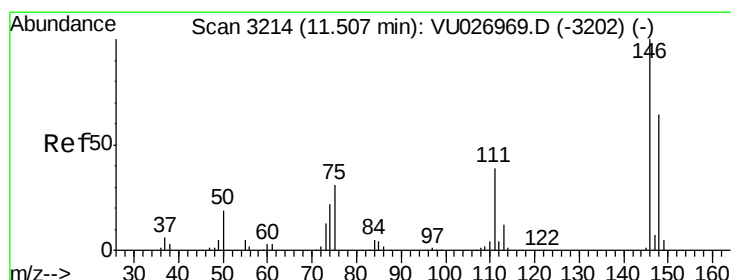
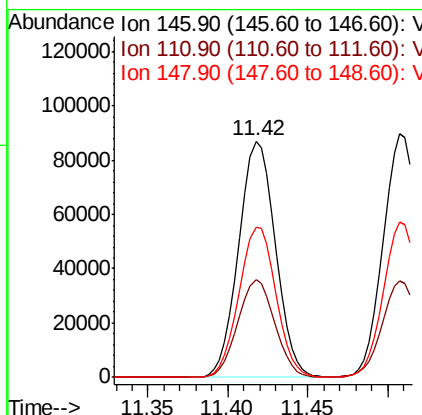
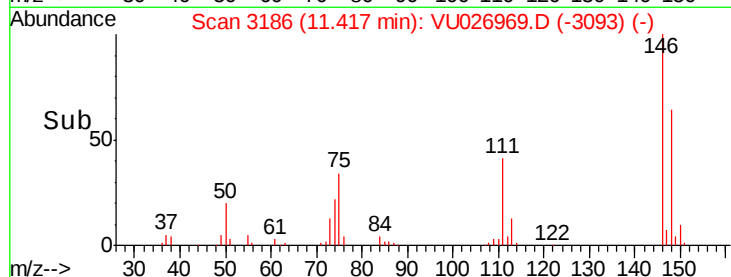
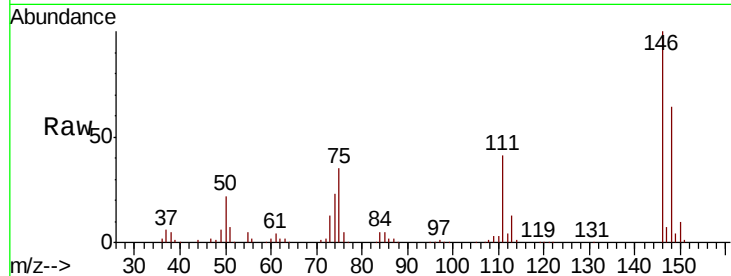
#87
 1,3-Dichlorobenzene
 Concen: 49.484 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	64.1	32.0	96.2

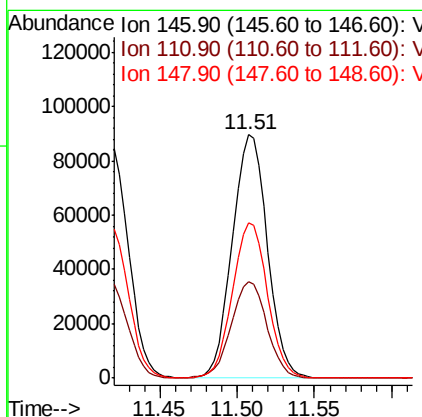
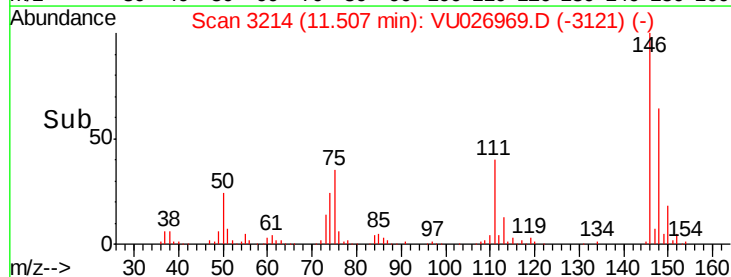
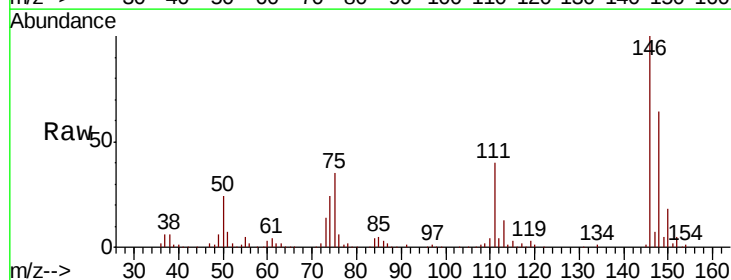
Manual Integrations
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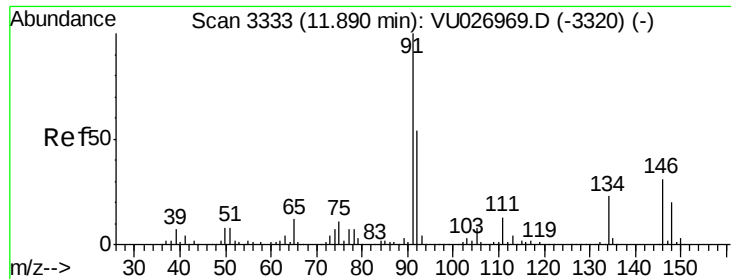
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#88
 1,4-Dichlorobenzene
 Concen: 48.979 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	63.9	31.9	95.9





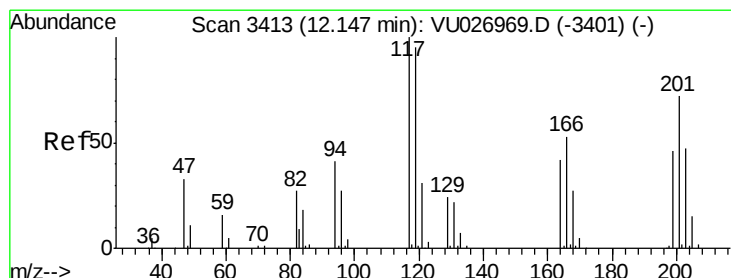
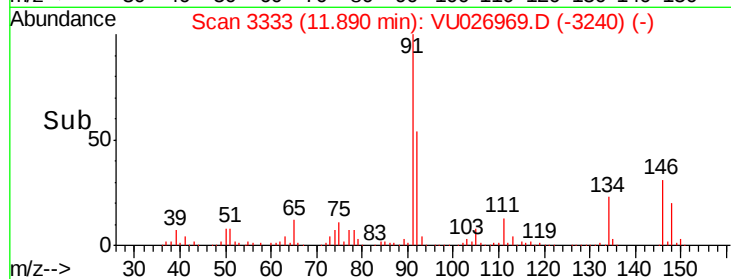
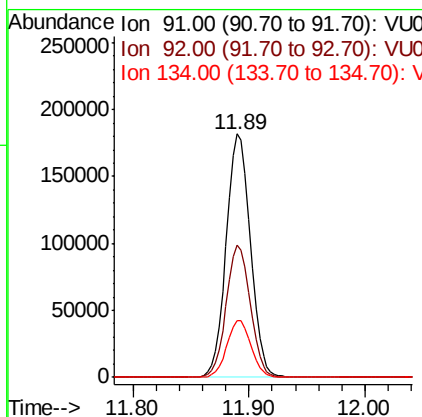
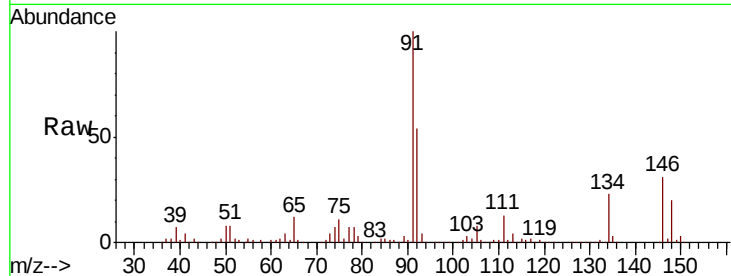
#89
n-Butylbenzene
Concen: 61.195 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	262469		
92	54.1		27.1	81.2
134	23.3		11.7	35.0

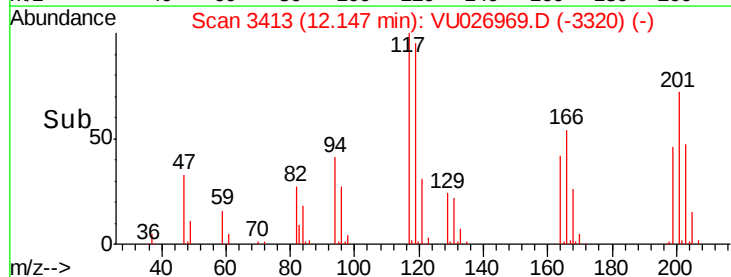
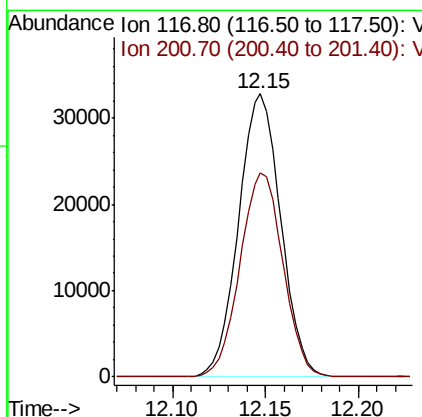
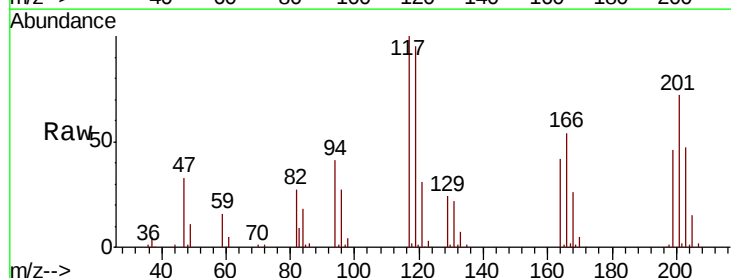
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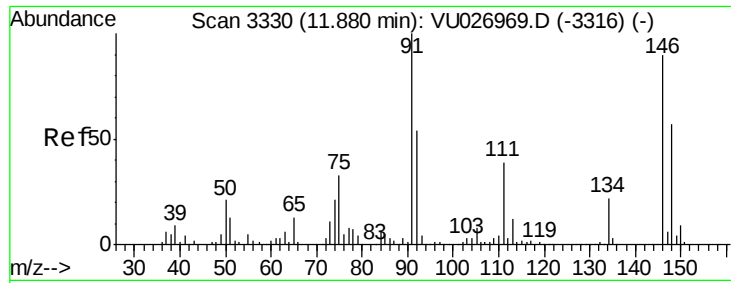
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#90
Hexachloroethane
Concen: 53.042 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	51960		
201	73.5		36.8	110.3





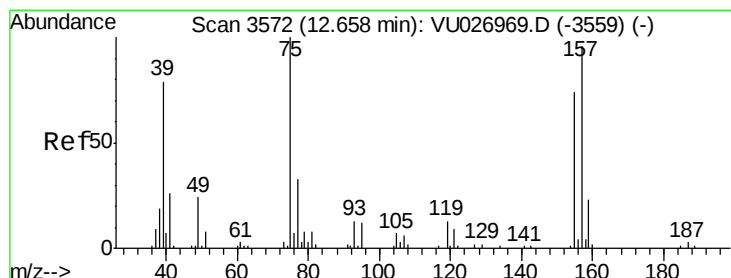
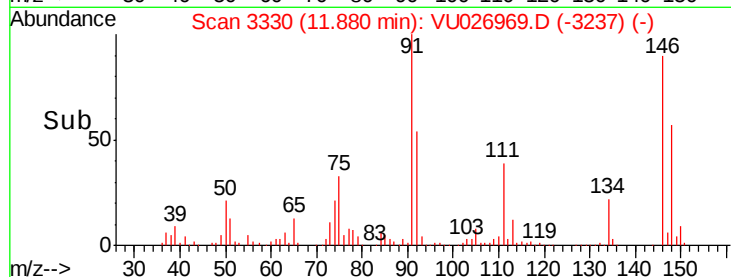
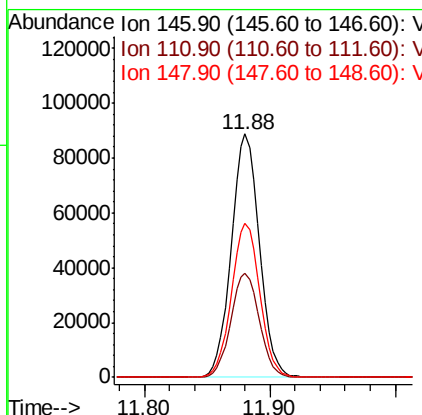
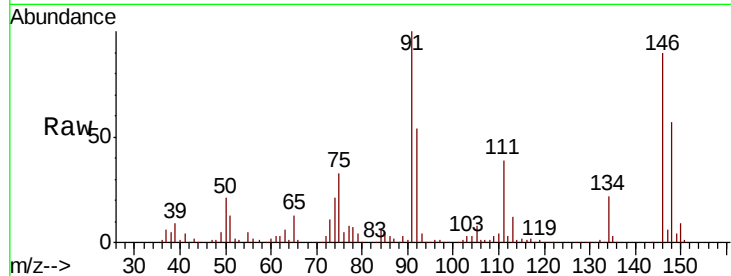
#91
 1,2-Dichlorobenzene
 Concen: 49.842 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.8	31.9	95.7

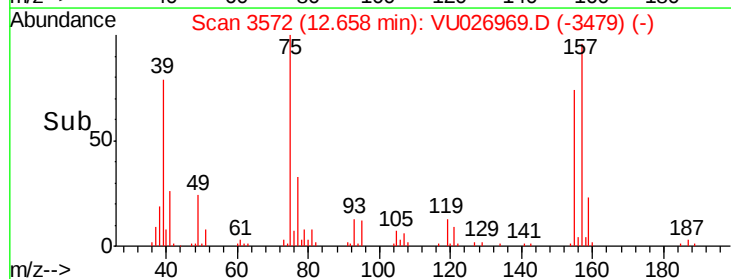
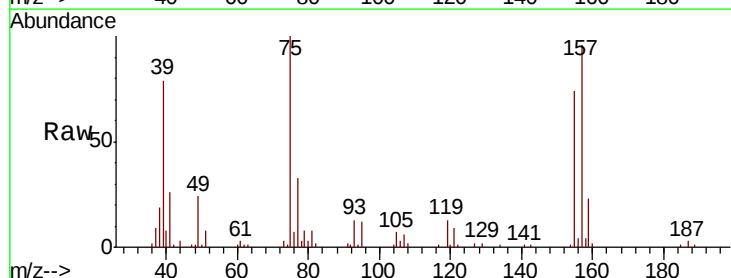
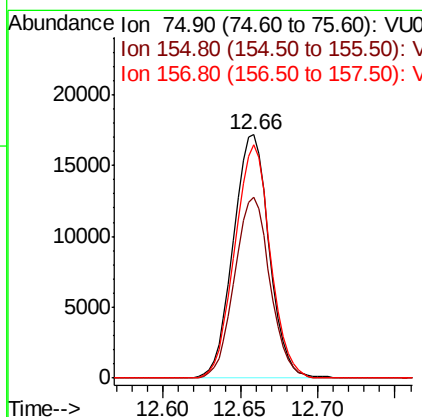
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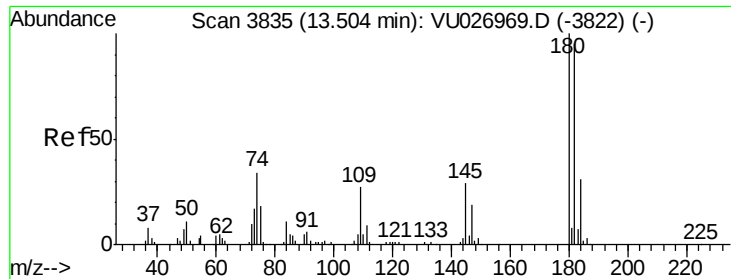
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.450 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	36.6	109.8
157	94.8	47.4	142.2





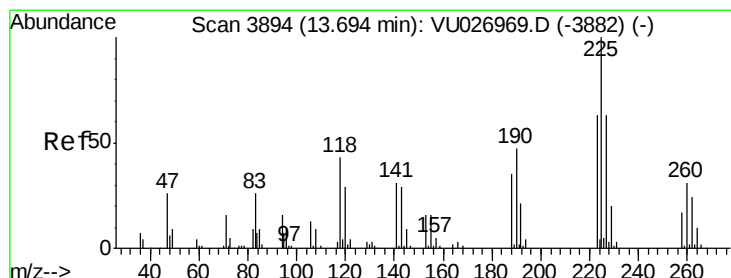
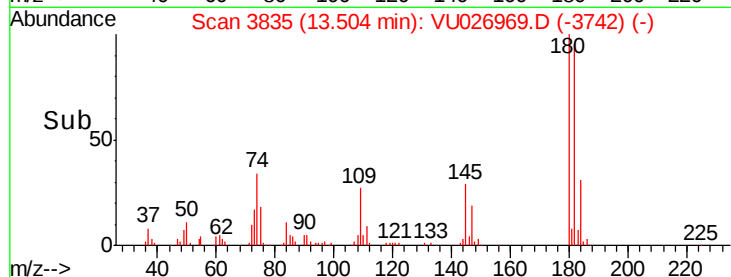
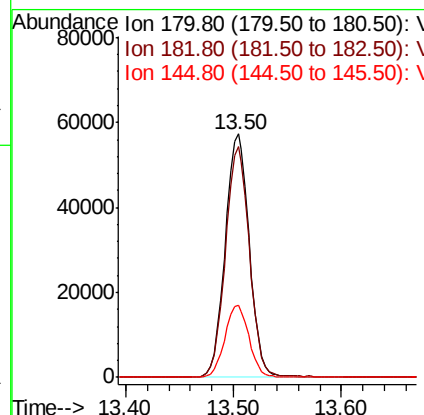
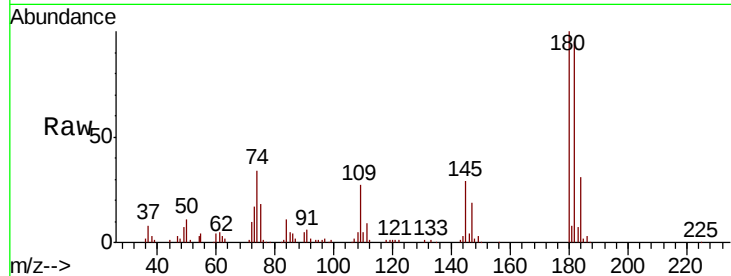
#93
 1,2,4-Trichlorobenzene
 Concen: 49.083 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8		47.4	142.2
145	29.7		14.9	44.5

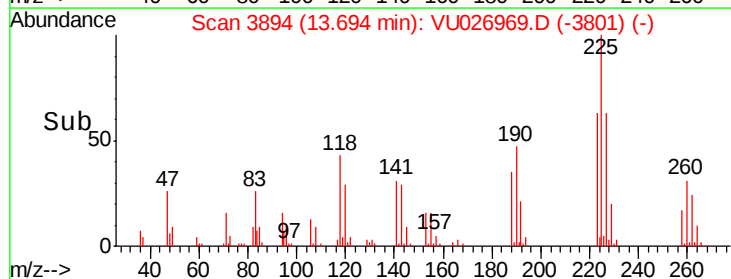
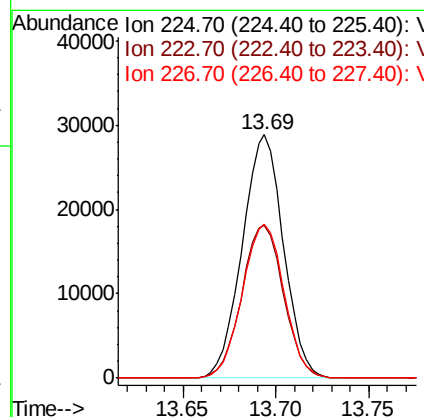
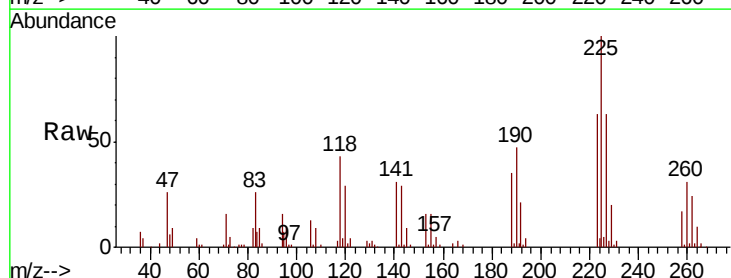
Manual Integrations
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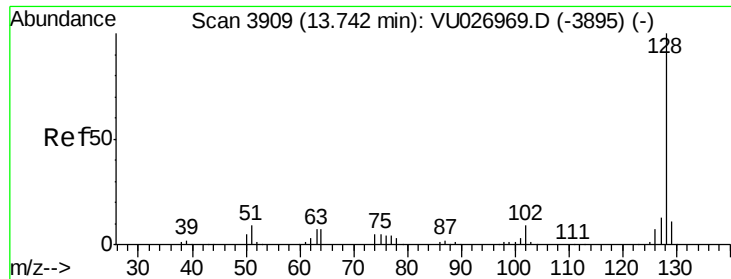
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#94
 Hexachlorobutadiene
 Concen: 47.683 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026969.D
 Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8		31.9	95.7
227	64.3		32.1	96.5





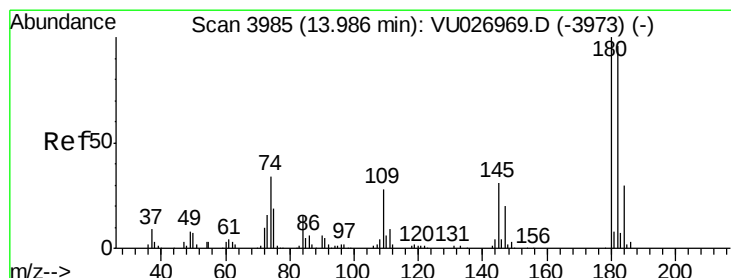
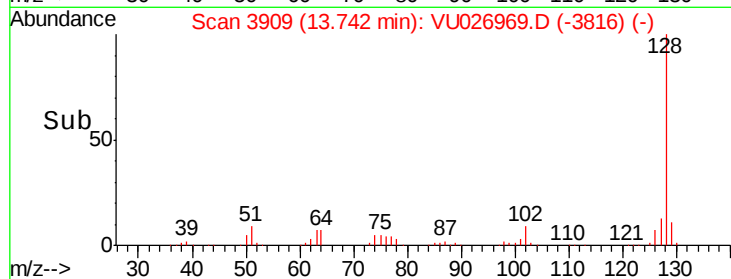
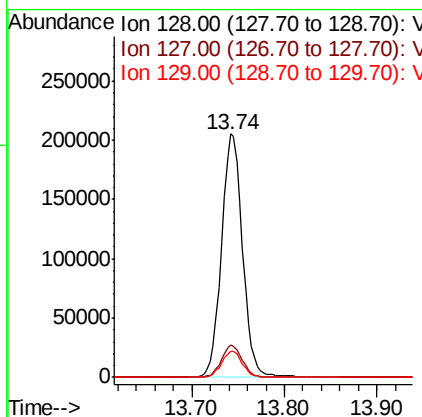
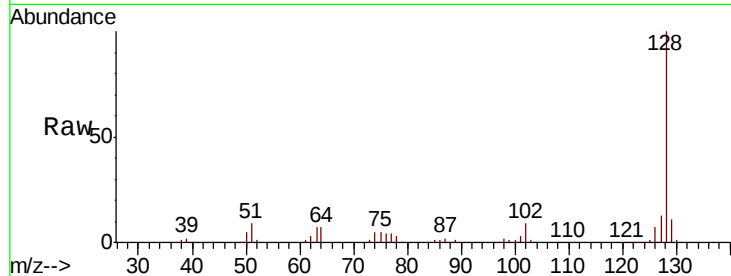
#95
Naphthalene
Concen: 57.702 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:14:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.260 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU026969.D
Acq: 21 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	30.9	15.4	46.4

