

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110521\
 Data File : VU045559.D
 Acq On : 05 Nov 2021 15:28
 Operator : SY/MD
 Sample : M4530-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
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Quant Time: Nov 05 16:33:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

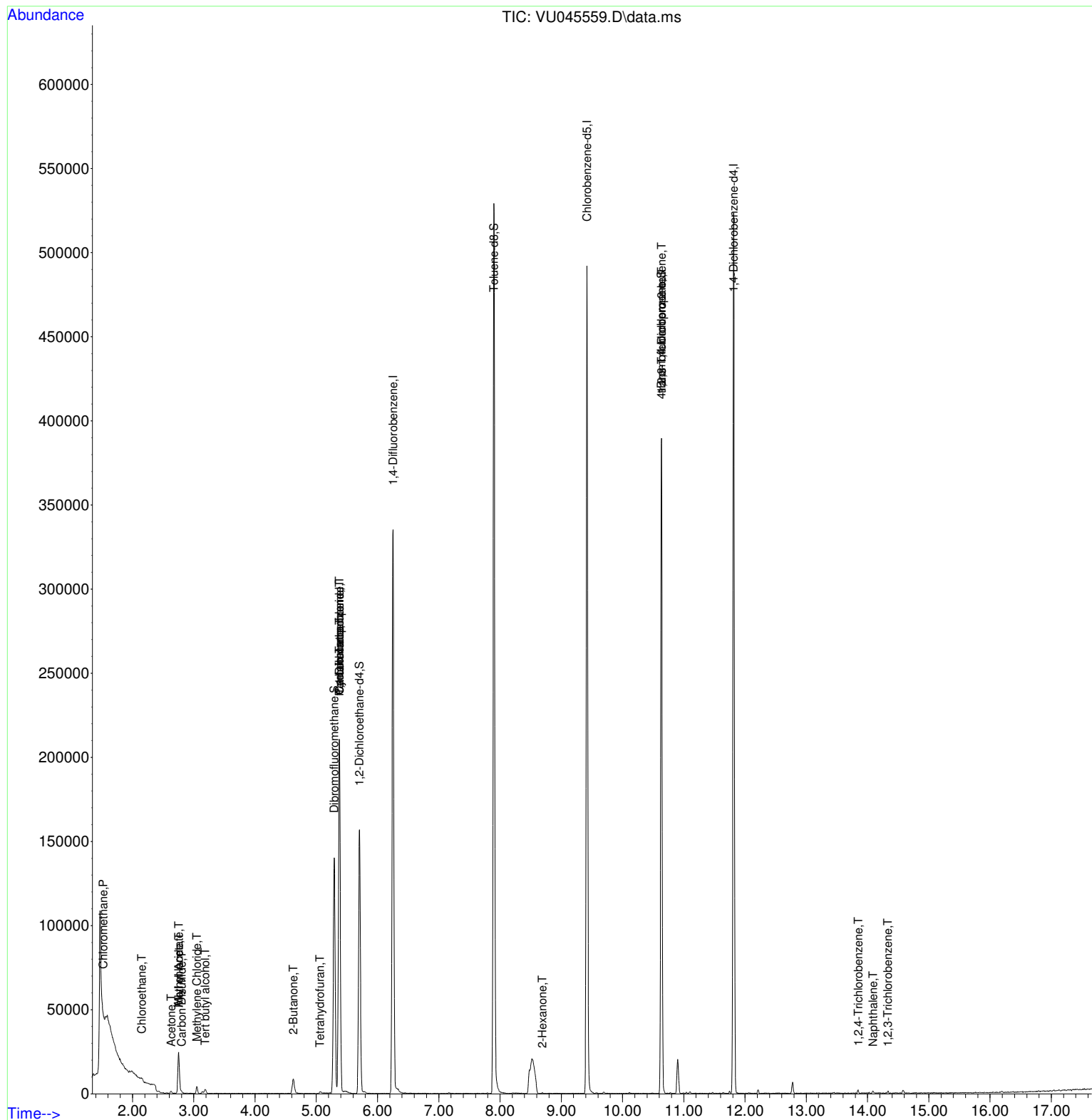
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.379	168	139393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	264874	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	264417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	127667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	115706	55.43	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	110.86%		
35) Dibromofluoromethane	5.292	113	89751	50.75	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.50%		
50) Toluene-d8	7.899	98	350326	53.27	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.54%		
62) 4-Bromofluorobenzene	10.632	95	129255	49.02	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.04%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	424	0.21	ug/l #	41
6) Chloroethane	2.150	64	641	0.49	ug/l #	71
11) Tert butyl alcohol	3.186	59	1905	4.61	ug/l #	72
14) Allyl chloride	2.752	41	2398	0.88	ug/l #	59
16) Acetone	2.630	43	1549	1.46	ug/l	100
17) Carbon Disulfide	2.800	76	1005	0.23	ug/l #	75
18) Methyl Acetate	2.752	43	6482	1.79	ug/l #	50
20) Methylene Chloride	3.051	84	1872	1.01	ug/l	92
25) 2-Butanone	4.623	43	364	0.25	ug/l #	47
29) Tetrahydrofuran	5.057	42	285	0.32	ug/l #	54
31) Cyclohexane	5.375	56	3116	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	12679	4.91	ug/l #	50
38) Carbon Tetrachloride	5.375	117	15050	5.78	ug/l #	15
59) 2-Hexanone	8.690	43	426	7.69	ug/l	82
76) 1,2,3-Trichloropropane	10.636	75	68070	17.58	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.636	75	68070	57.14	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.848	180	671	0.24	ug/l	87
95) Naphthalene	14.089	128	1623	1.18	ug/l #	83
96) 1,2,3-Trichlorobenzene	14.330	180	591	0.22	ug/l #	66

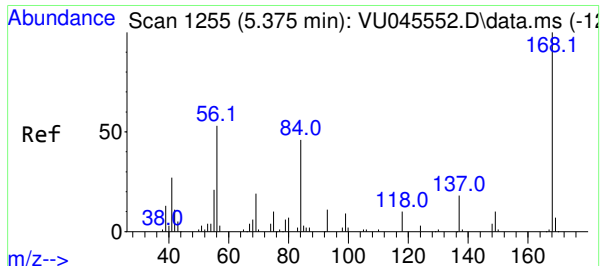
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 05 16:33:06 2021
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Quant Title : SW846 8260
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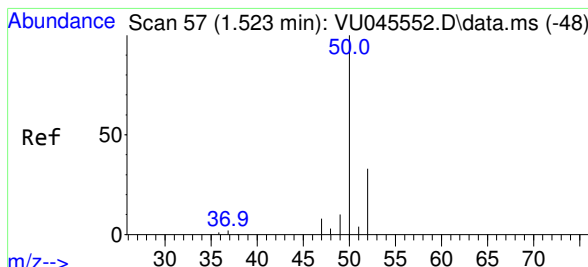
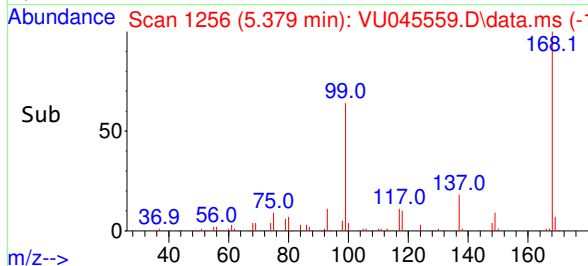
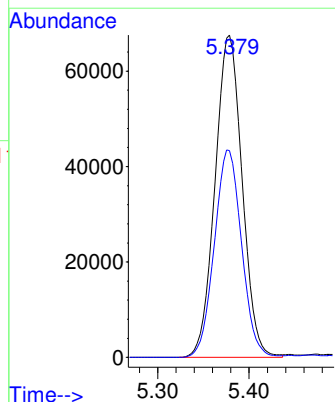
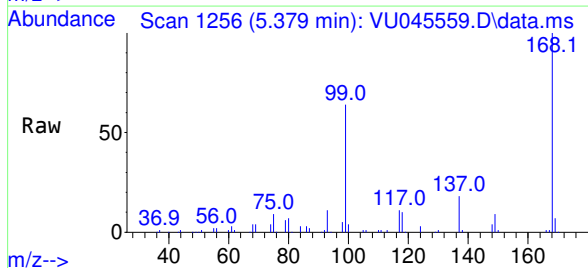




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.379 min Scan# 1
Delta R.T. 0.004 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

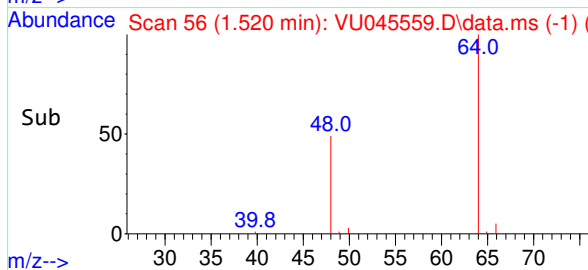
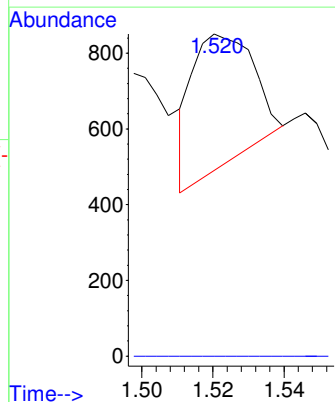
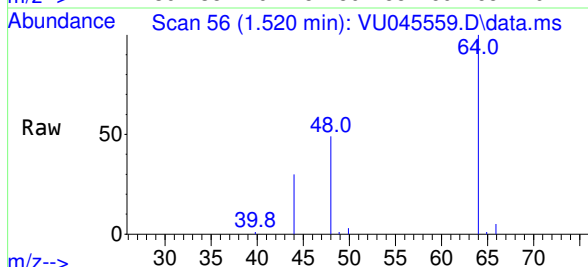
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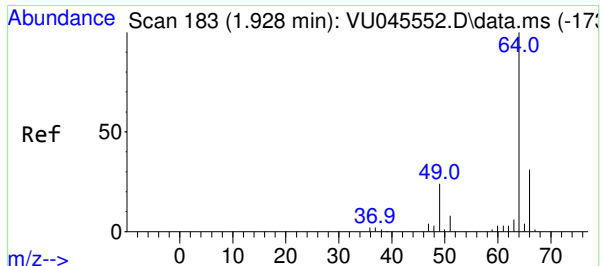
Tgt Ion:168 Resp: 139393
Ion Ratio Lower Upper
168 100
99 64.1 51.0 76.6



#3
Chloromethane
Concen: 0.21 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion: 50 Resp: 424
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

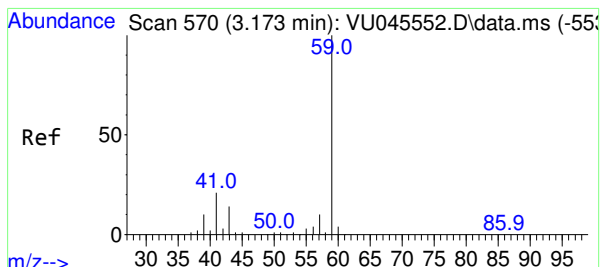
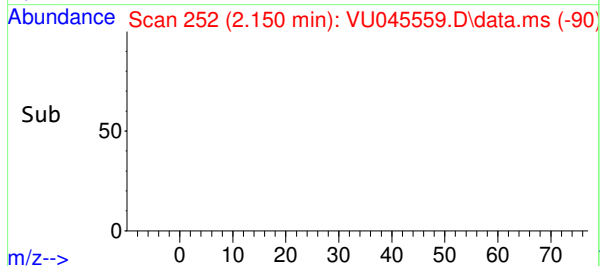
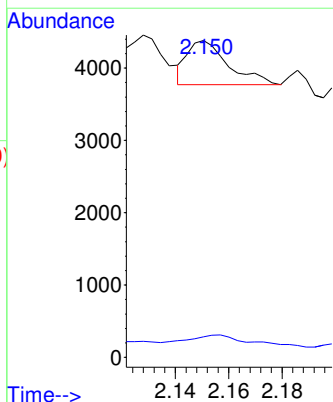
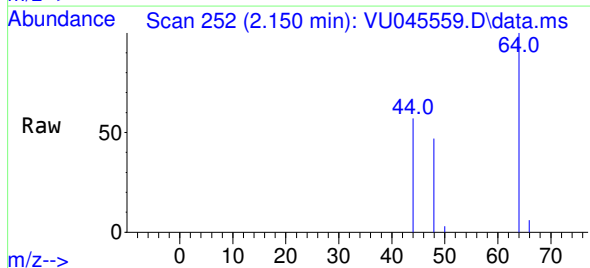




#6
Chloroethane
Concen: 0.49 ug/l
RT: 2.150 min Scan# 21
Delta R.T. 0.222 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

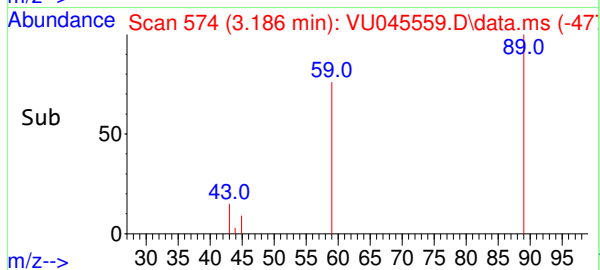
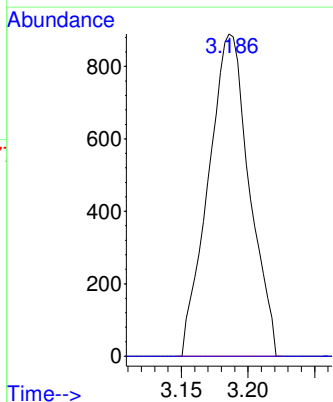
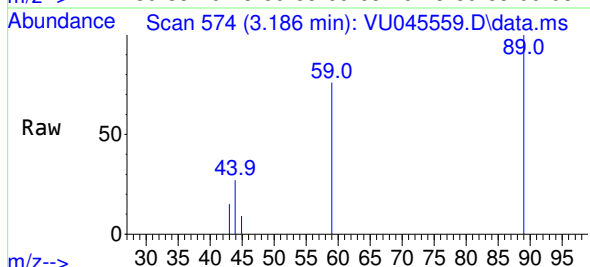
Instrument :
MSVOA_U
ClientSampleId :
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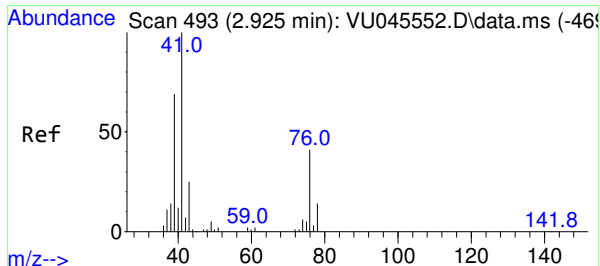
Tgt Ion: 64 Resp: 641
Ion Ratio Lower Upper
64 100
66 17.1 26.7 40.1#



#11
Tert butyl alcohol
Concen: 4.61 ug/l
RT: 3.186 min Scan# 574
Delta R.T. 0.013 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion: 59 Resp: 1905
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

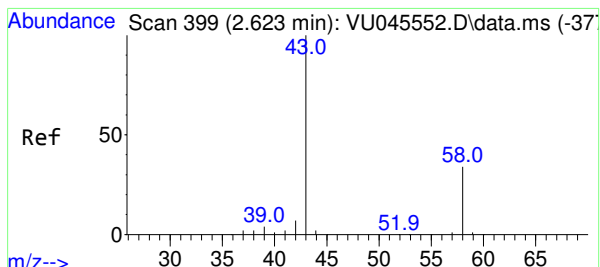
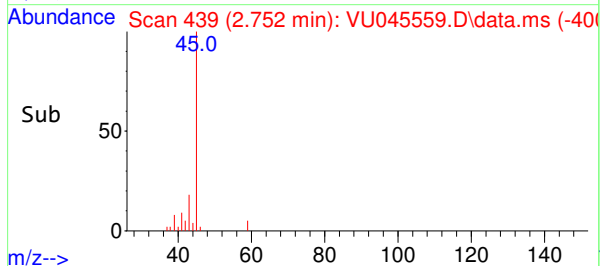
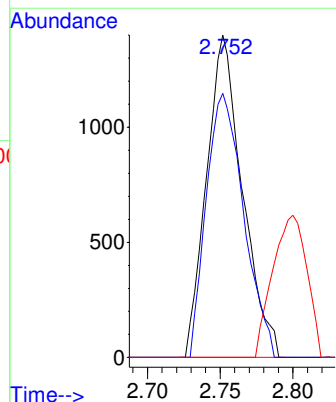
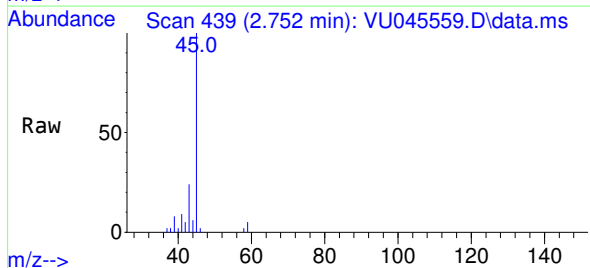




#14
 Allyl chloride
 Concen: 0.88 ug/l
 RT: 2.752 min Scan# 41
 Delta R.T. -0.173 min
 Lab File: VU045559.D
 Acq: 05 Nov 2021 15:28

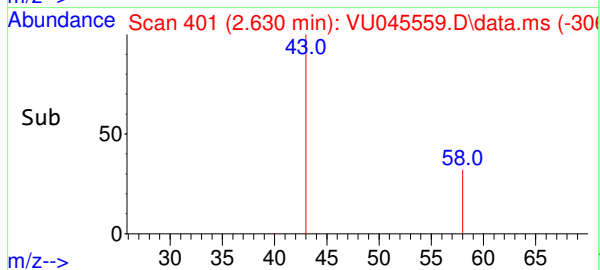
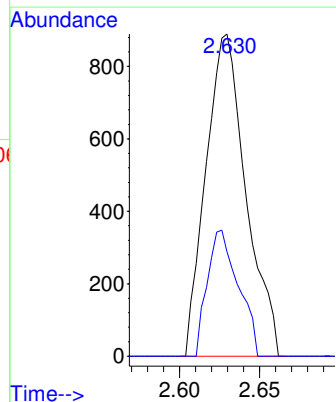
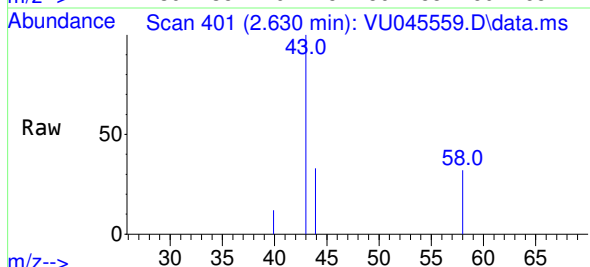
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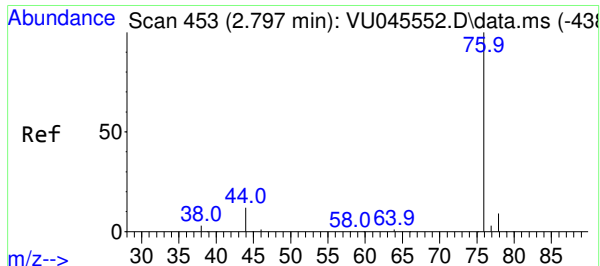
Tgt Ion: 41 Resp: 2398
 Ion Ratio Lower Upper
 41 100
 39 85.2 49.7 74.5#
 76 0.0 27.7 41.5#



#16
 Acetone
 Concen: 1.46 ug/l
 RT: 2.630 min Scan# 401
 Delta R.T. 0.007 min
 Lab File: VU045559.D
 Acq: 05 Nov 2021 15:28

Tgt Ion: 43 Resp: 1549
 Ion Ratio Lower Upper
 43 100
 58 32.5 26.2 39.2

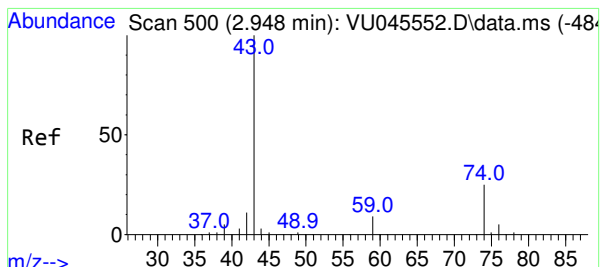
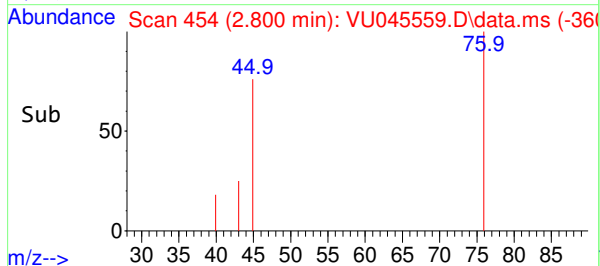
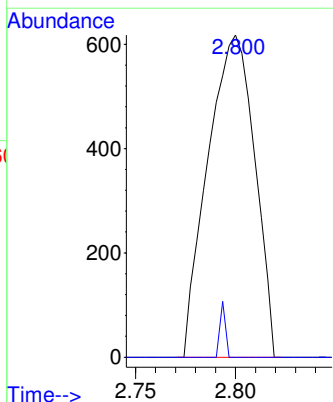
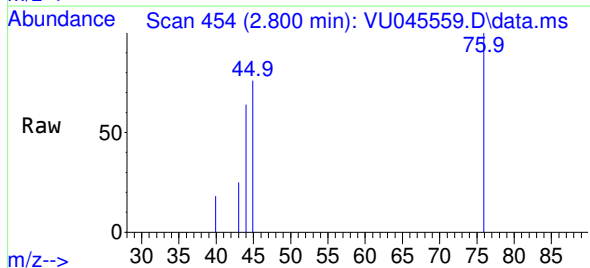




#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 2.800 min Scan# 417
Delta R.T. 0.003 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

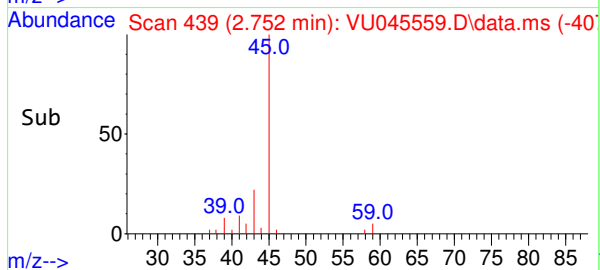
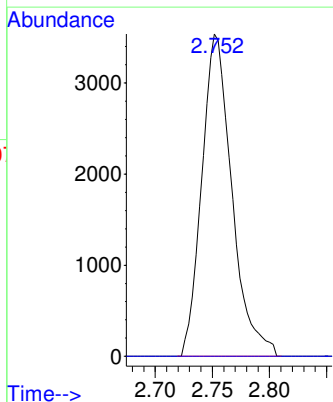
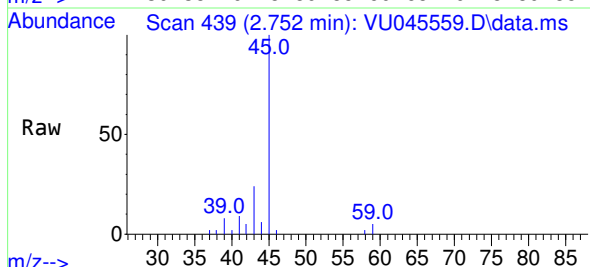
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MSVOA_U
ClientSampleId :
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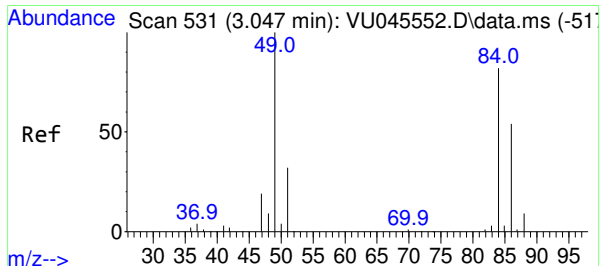
Tgt Ion: 76 Resp: 1005
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 1.79 ug/l
RT: 2.752 min Scan# 439
Delta R.T. -0.196 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion: 43 Resp: 6482
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



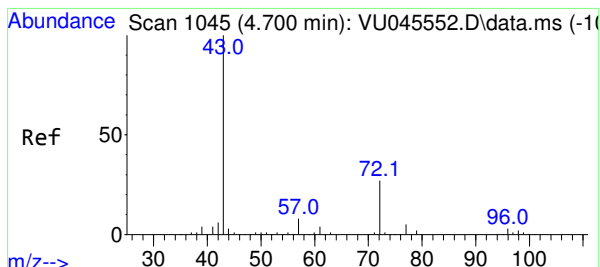
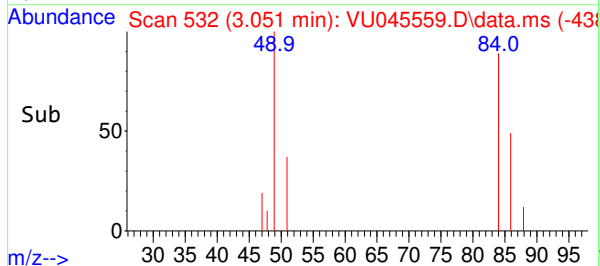
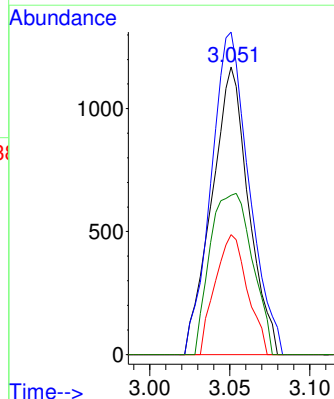
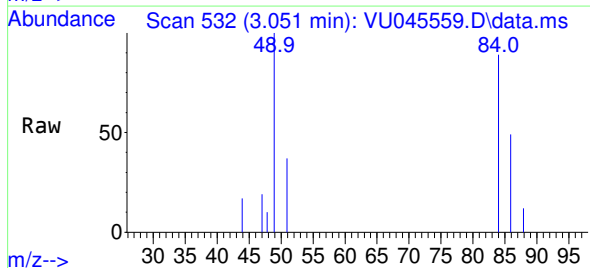


#20
Methylene Chloride
Concen: 1.01 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 84 Resp: 1872

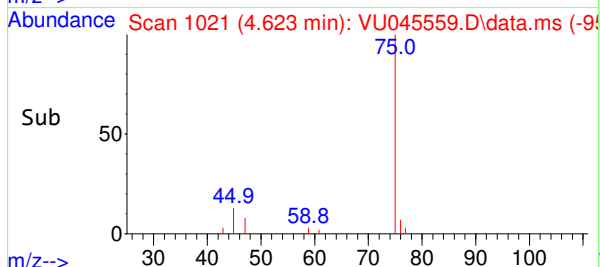
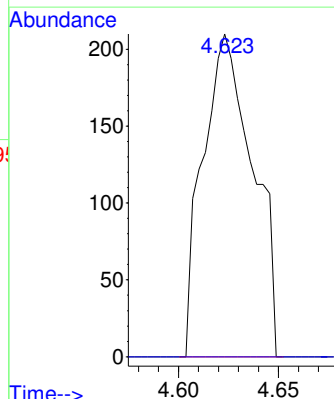
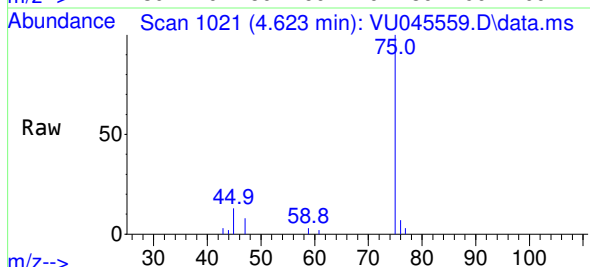
Ion	Ratio	Lower	Upper
84	100		
49	112.1	96.4	144.6
51	41.7	30.5	45.7
86	55.4	50.3	75.5

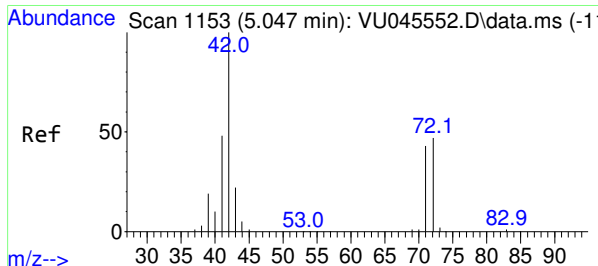


#25
2-Butanone
Concen: 0.25 ug/l
RT: 4.623 min Scan# 1021
Delta R.T. -0.077 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion: 43 Resp: 364

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.0	33.0#

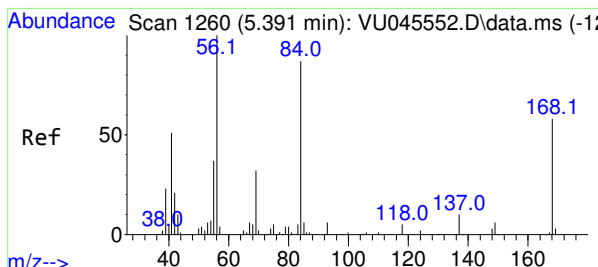
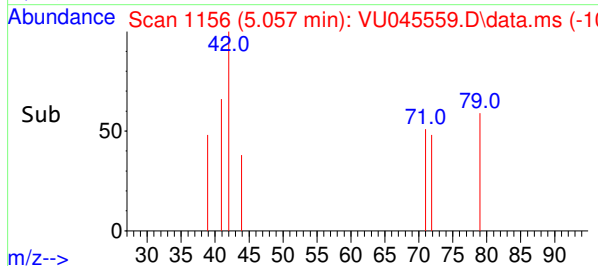
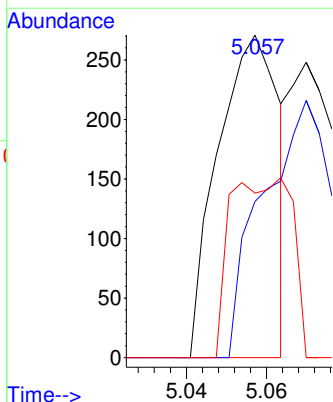
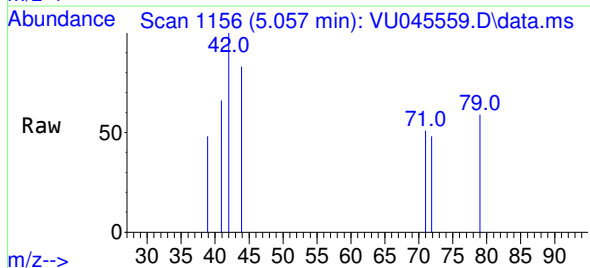




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 5.057 min Scan# 1
Delta R.T. 0.010 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

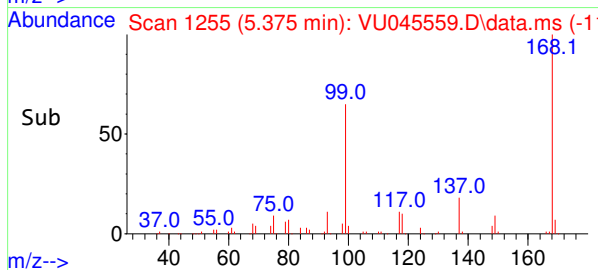
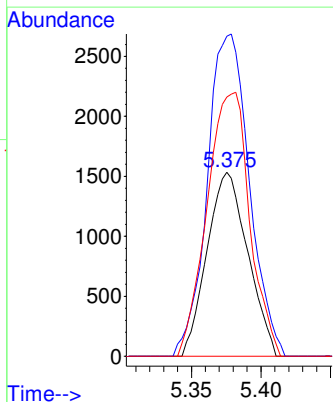
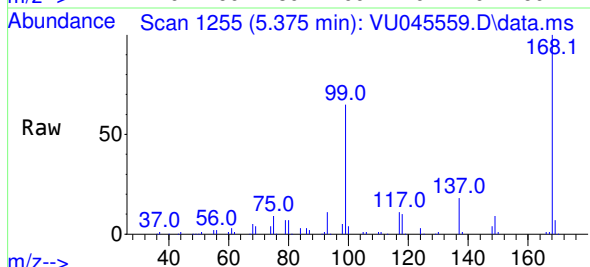
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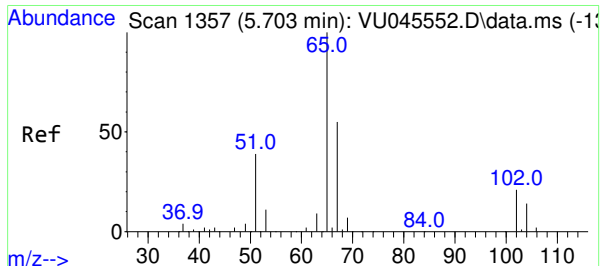
Tgt Ion: 42 Resp: 285
Ion Ratio Lower Upper
42 100
72 91.9 38.2 57.4#
71 28.4 35.4 53.2#



#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion: 56 Resp: 3116
Ion Ratio Lower Upper
56 100
69 167.4 26.4 39.6#
84 140.8 68.4 102.6#

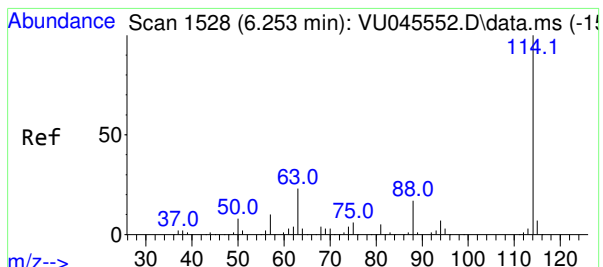
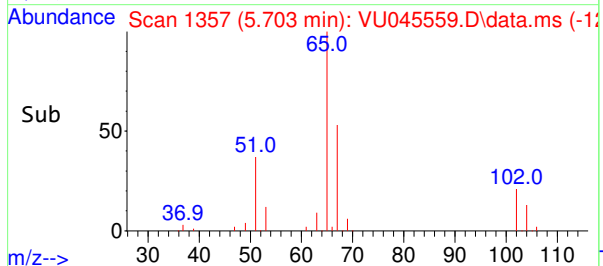
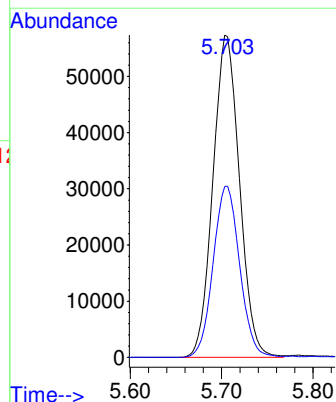
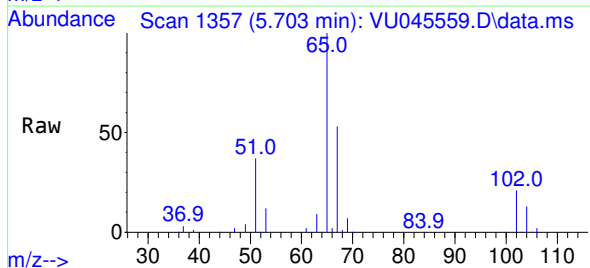




#33
1,2-Dichloroethane-d4
Concen: 55.43 ug/l
RT: 5.703 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

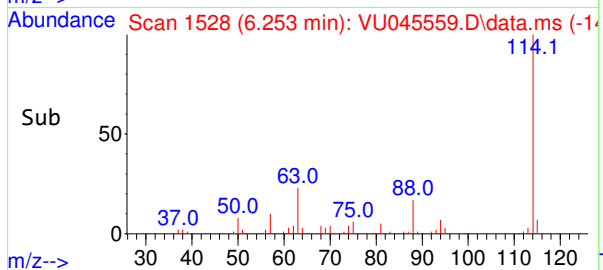
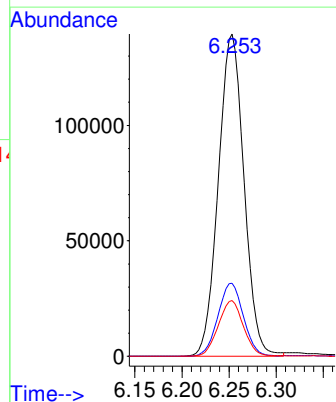
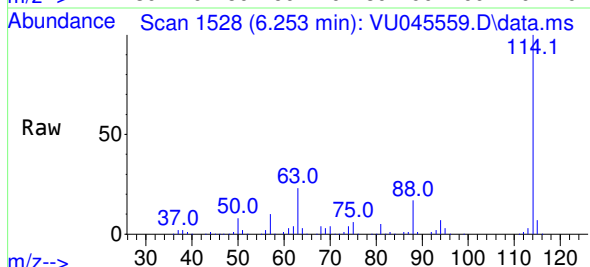
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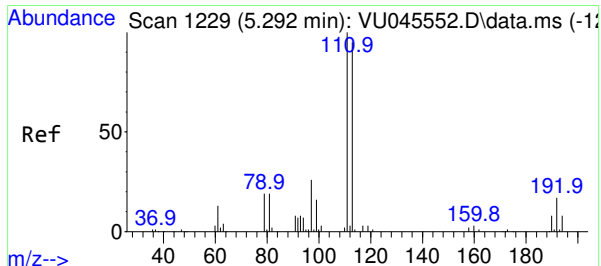
Tgt Ion: 65 Resp: 115706
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion:114 Resp: 264874
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.6
88 17.3 0.0 33.8

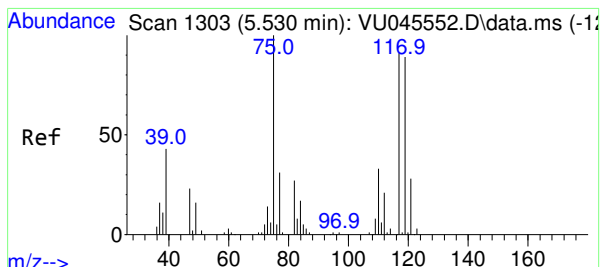
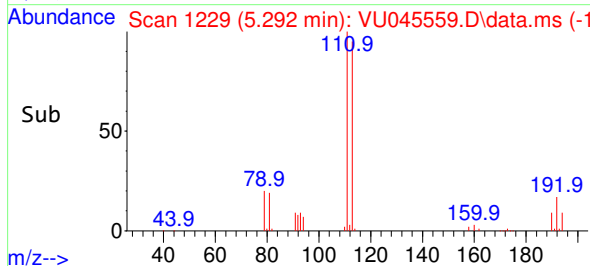
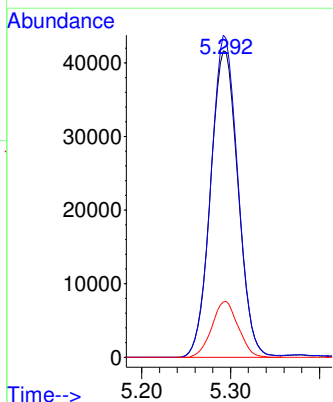
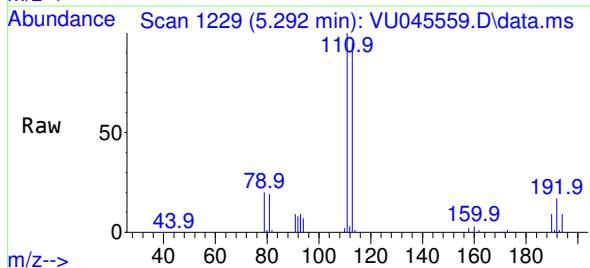




#35
Dibromofluoromethane
Concen: 50.75 ug/l
RT: 5.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

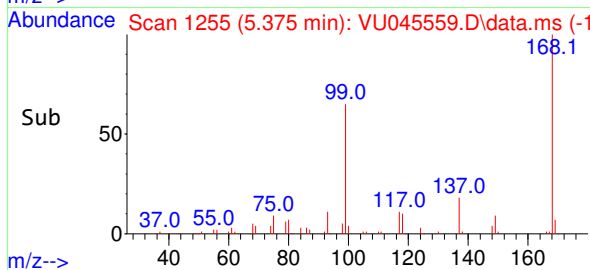
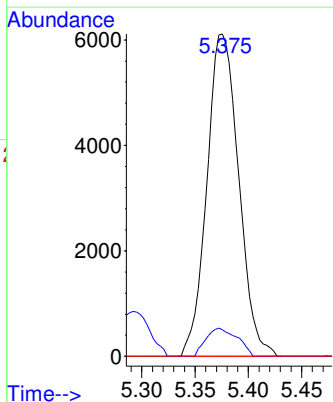
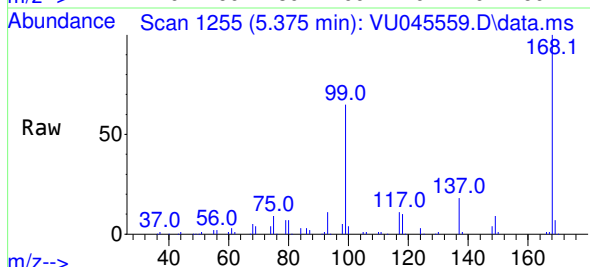
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ClientSampleId :
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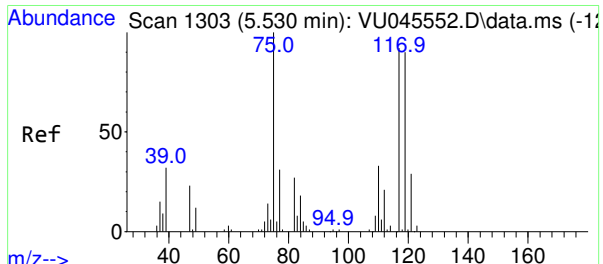
Tgt Ion:113 Resp: 89751
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 17.5 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.91 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion: 75 Resp: 12679
Ion Ratio Lower Upper
75 100
110 8.6 16.7 50.0#
77 0.0 25.0 37.4#

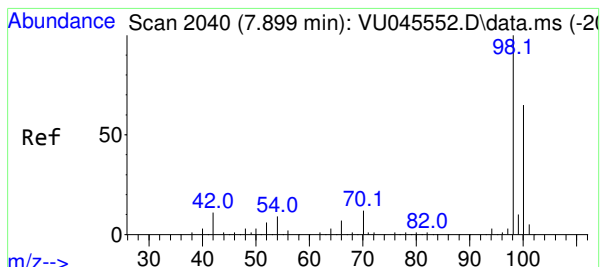
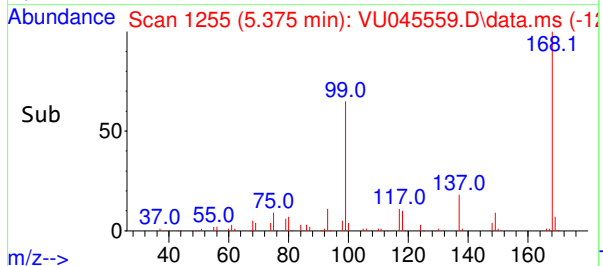
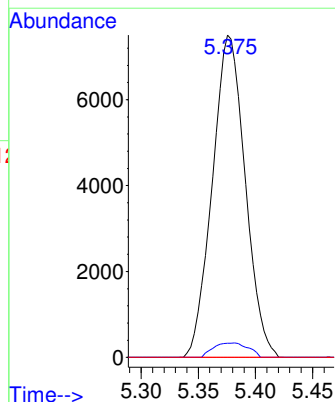
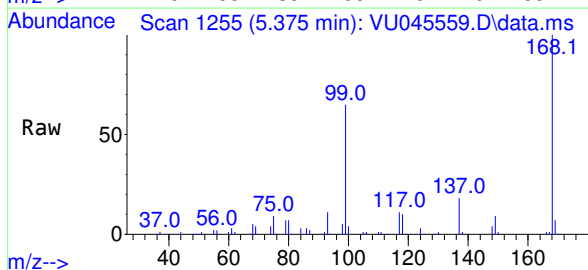




#38
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 5.375 min Scan# 1
Delta R.T. -0.154 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

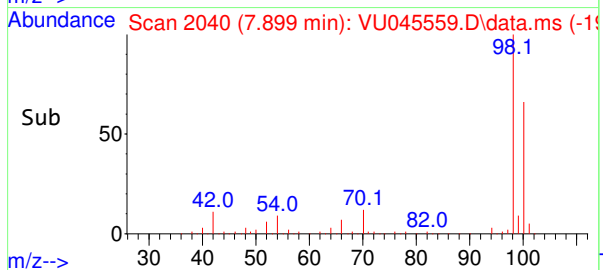
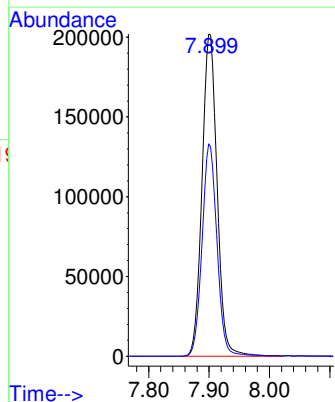
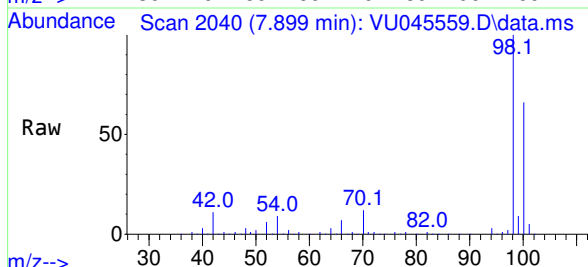
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ClientSampleId :
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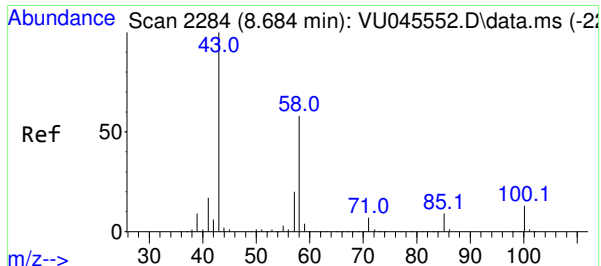
Tgt Ion:117 Resp: 15050
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.0#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.27 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion: 98 Resp: 350326
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

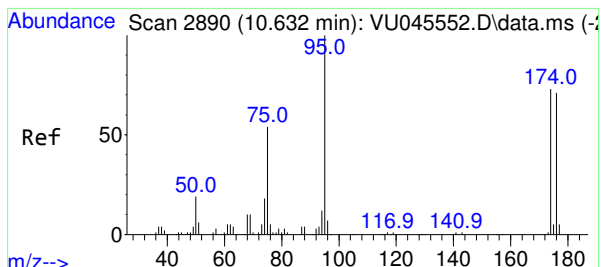
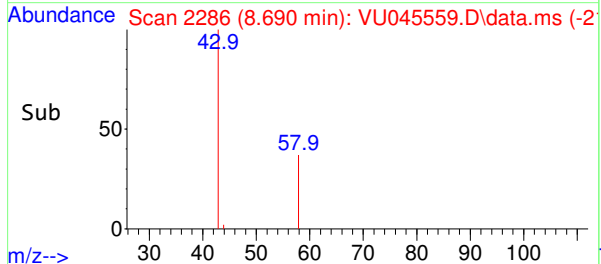
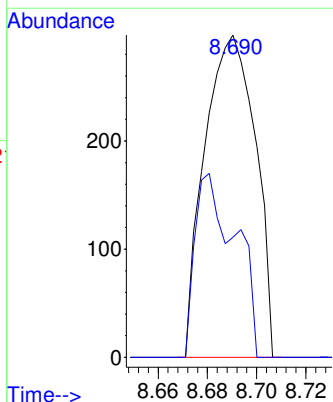
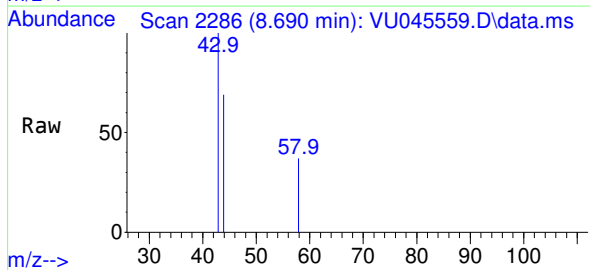




#59
2-Hexanone
Concen: 7.69 ug/l
RT: 8.690 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

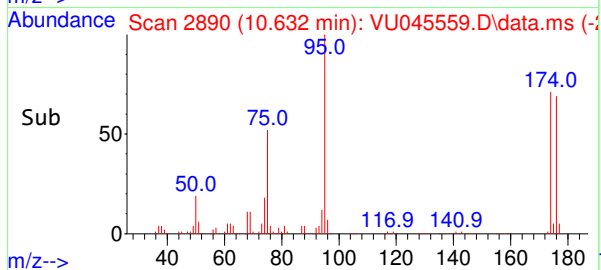
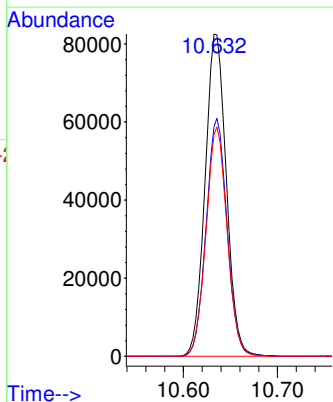
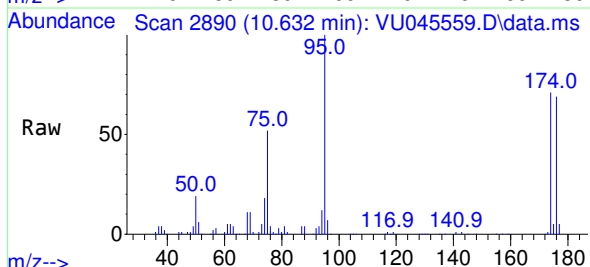
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MSVOA_U
ClientSampleId :
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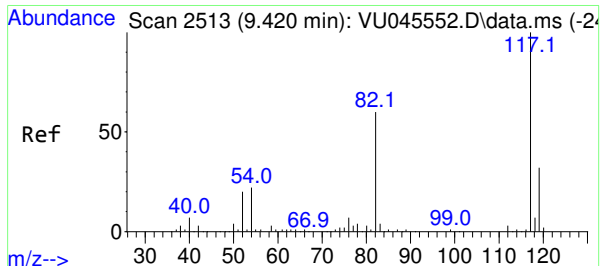
Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
58 45.3 29.5 88.6



#62
4-Bromofluorobenzene
Concen: 49.02 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion: 95 Resp: 129255
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.8
176 70.5 0.0 138.2

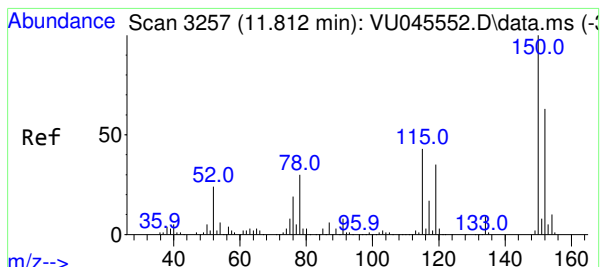
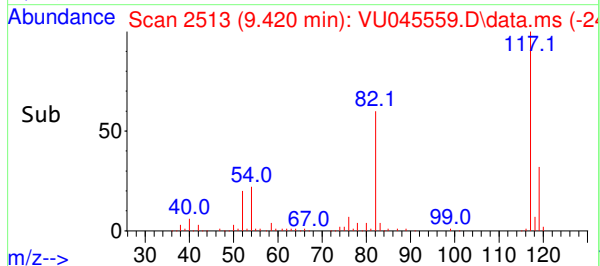
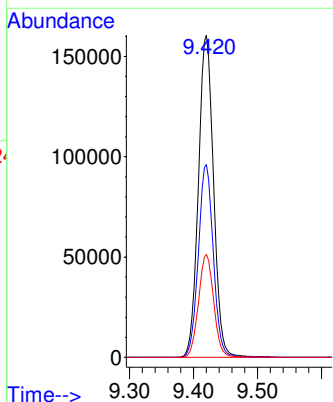
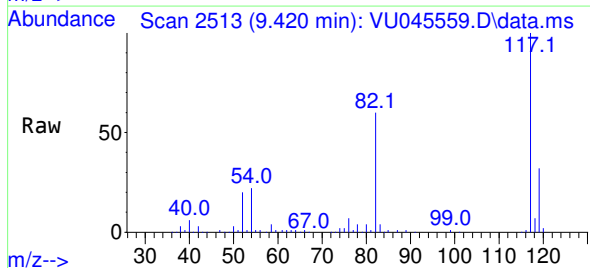




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

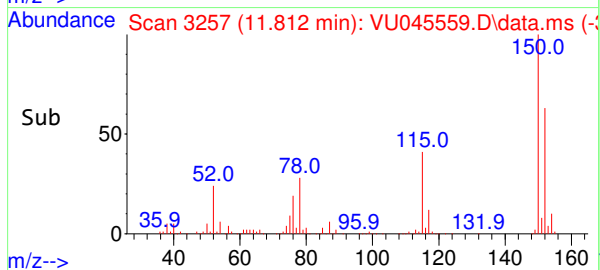
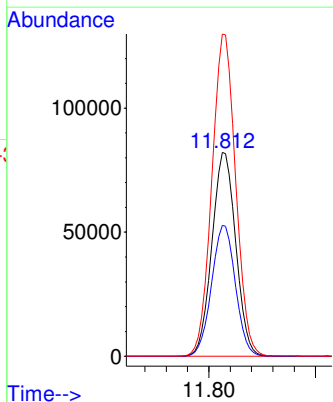
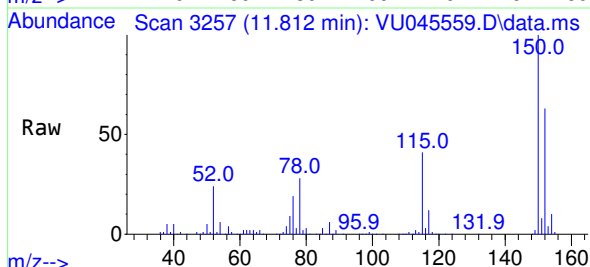
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MSVOA_U
ClientSampleId :
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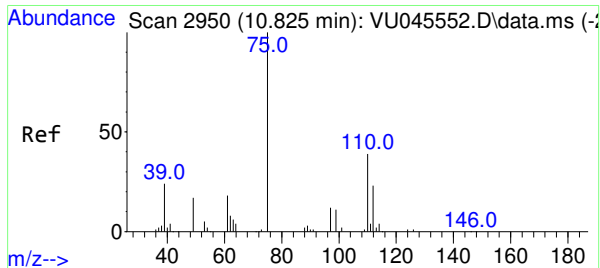
Tgt Ion:	117	Resp:	264417
Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.8
119	31.9	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion:	152	Resp:	127667
Ion	Ratio	Lower	Upper
152	100		
115	64.2	42.7	128.1
150	157.7	0.0	346.8

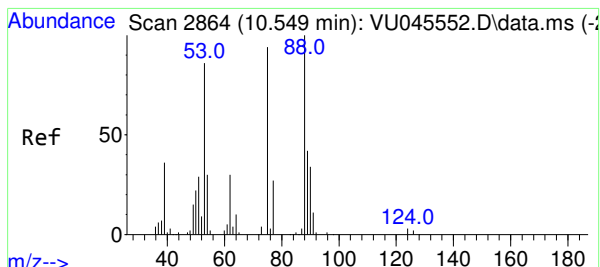
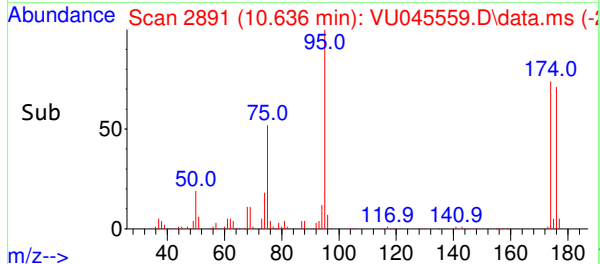
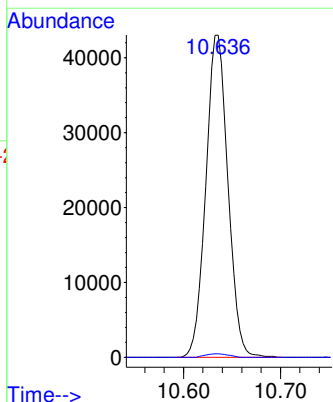
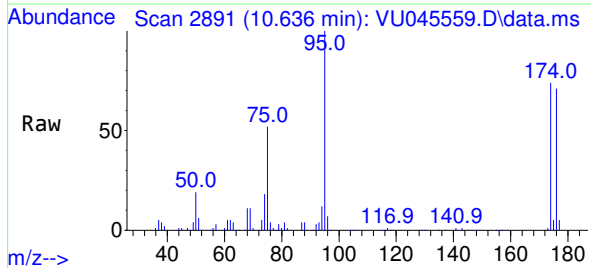




#76
1,2,3-Trichloropropane
Concen: 17.58 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

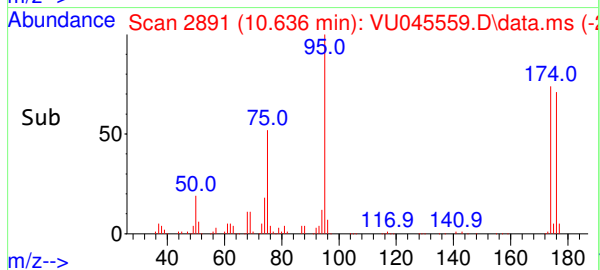
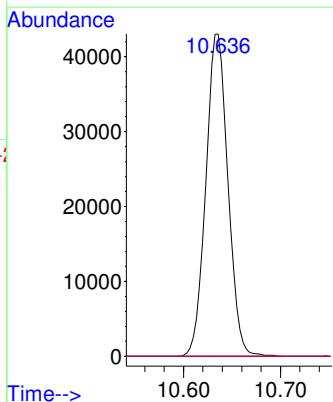
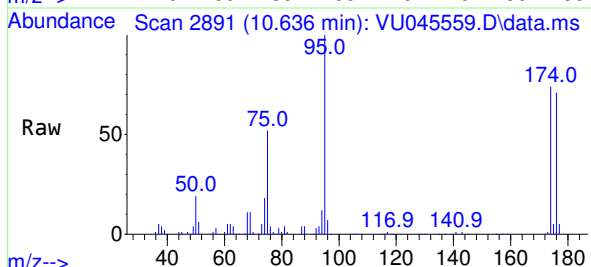
Instrument :
MSVOA_U
ClientSampleId :
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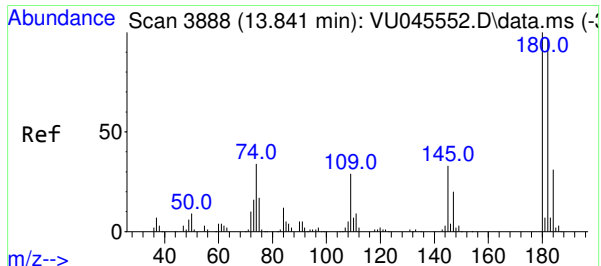
Tgt Ion: 75 Resp: 68070
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.14 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Tgt Ion: 75 Resp: 68070
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

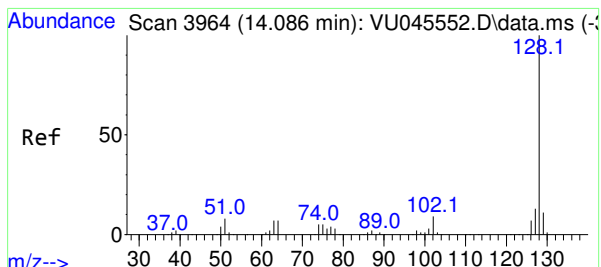
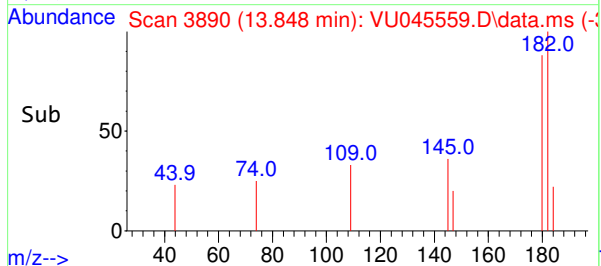
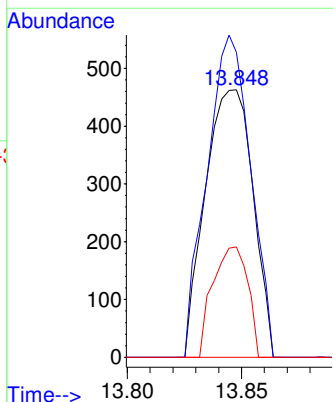
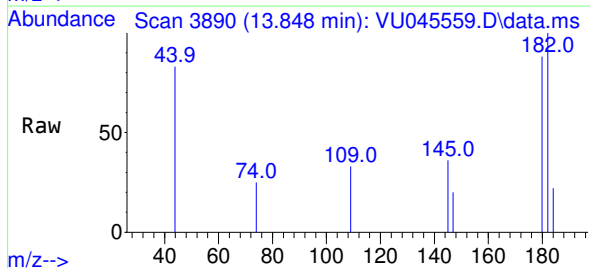




#93
1,2,4-Trichlorobenzene
Concen: 0.24 ug/l
RT: 13.848 min Scan# 3
Delta R.T. 0.007 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

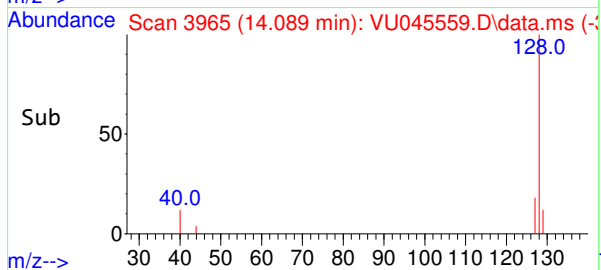
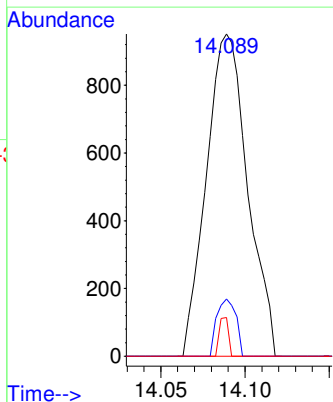
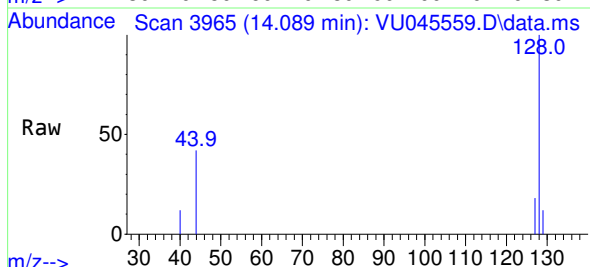
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ClientSampleId :
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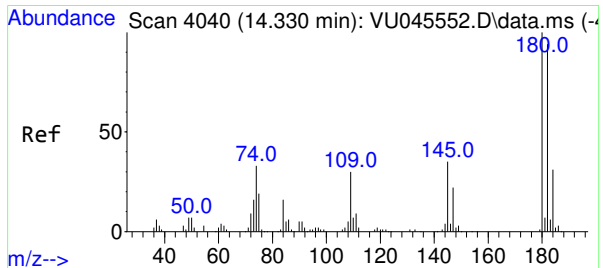
Tgt Ion:180 Resp: 671
Ion Ratio Lower Upper
180 100
182 110.1 47.0 141.2
145 30.3 15.6 46.7



#95
Naphthalene
Concen: 1.18 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

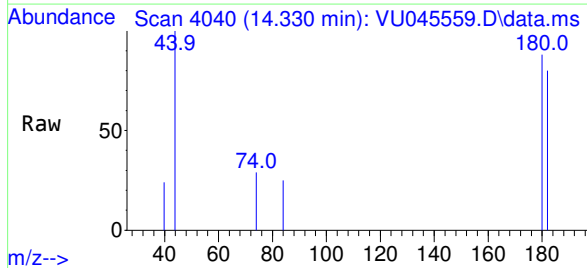
Tgt Ion:128 Resp: 1623
Ion Ratio Lower Upper
128 100
127 8.3 10.6 15.8#
129 2.6 8.6 13.0#





#96
1,2,3-Trichlorobenzene
Concen: 0.22 ug/l
RT: 14.330 min Scan# 4
Delta R.T. 0.000 min
Lab File: VU045559.D
Acq: 05 Nov 2021 15:28

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:180 Resp: 591
Ion Ratio Lower Upper
180 100
182 63.5 47.7 143.1
145 11.3 16.7 50.0#

