

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100421\
 Data File : VD070555.D
 Acq On : 04 Oct 2021 17:09
 Operator : VA/SY
 Sample : M4042-01
 Misc : 5.02G/5.00ml/MSVOA_D/soil
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-100121RE

Quant Time: Oct 05 05:01:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

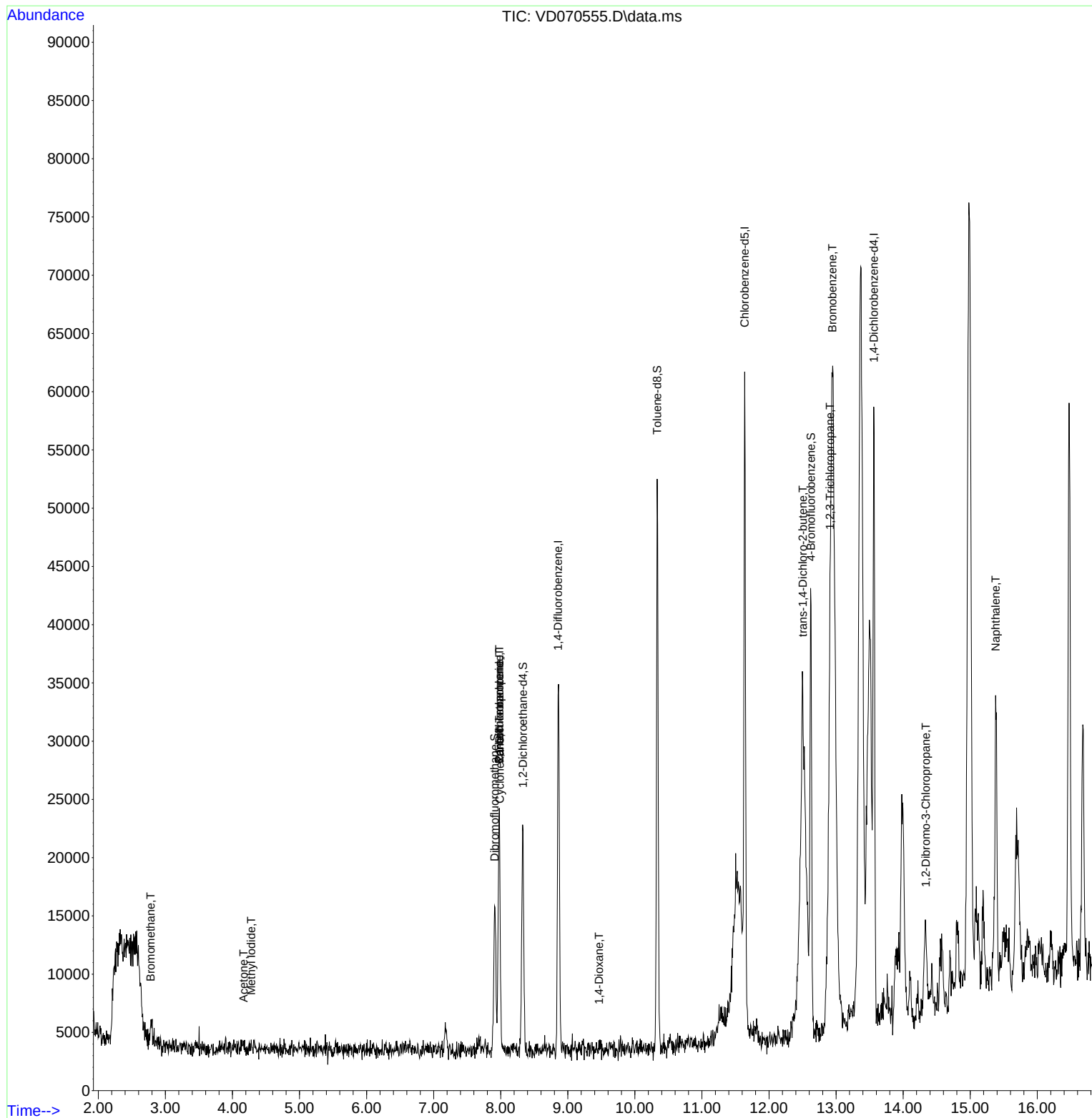
Internal Standards						
1) Pentafluorobenzene	7.979	168	15583	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	27328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	29458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	14430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	14719	73.562	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 147.120%		
35) Dibromofluoromethane	7.908	113	9317	47.896	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 95.800%		
50) Toluene-d8	10.332	98	32576	46.124	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 92.240%		
62) 4-Bromofluorobenzene	12.626	95	11791	47.769	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 95.540%		
Target Compounds						
						Qvalue
3) Chloromethane	2.209	50	806	Below Cal		92
5) Bromomethane	2.779	94	1221	3.344	ug/l	94
10) Methyl Iodide	4.279	142	72	1.395	ug/l #	39
16) Acetone	4.167	43	651	18.224	ug/l #	36
20) Methylene Chloride	4.938	84	62	Below Cal	#	9
31) Cyclohexane	7.985	56	434	1.259	ug/l #	33
36) 1,1-Dichloropropene	7.979	75	947	3.242	ug/l #	41
38) Carbon Tetrachloride	7.979	117	1629	5.639	ug/l #	12
49) 1,4-Dioxane	9.467	88	55	47.482	ug/l #	25
76) 1,2,3-Trichloropropane	12.908	75	670	4.590	ug/l #	1
77) Bromobenzene	12.944	156	74162	317.648	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.502	75	467	8.017	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.338	75	67	2.064	ug/l #	1
95) Naphthalene	15.379	128	20446	48.577	ug/l	98

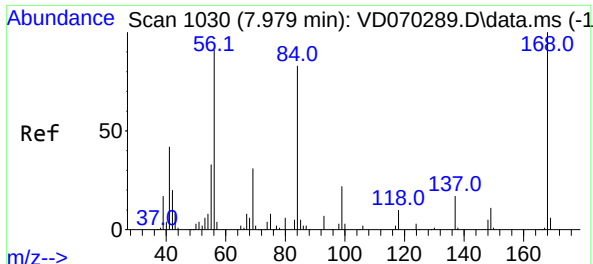
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 05:01:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

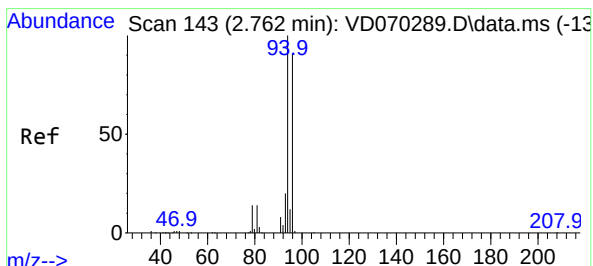
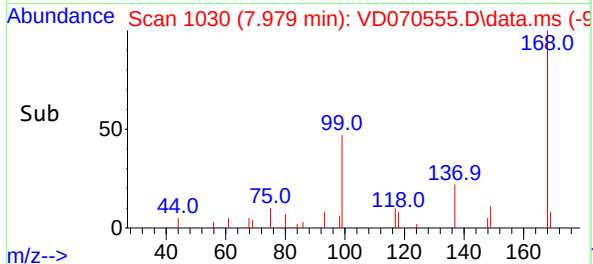
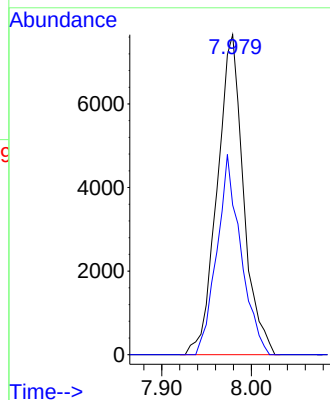
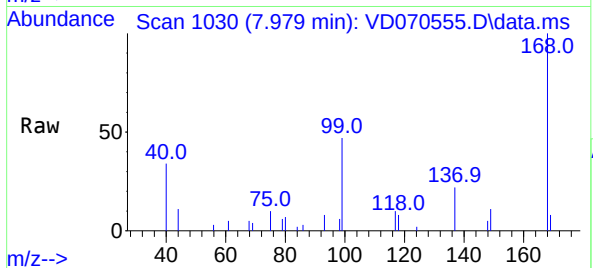




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

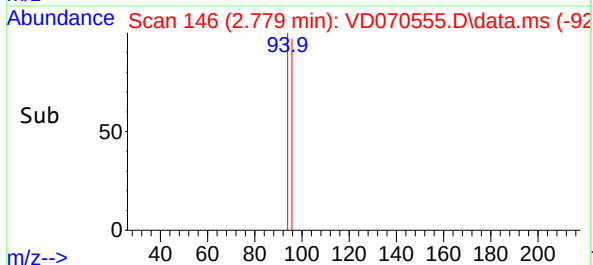
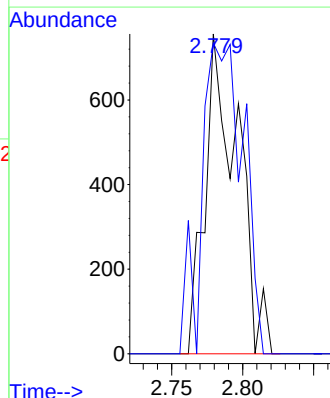
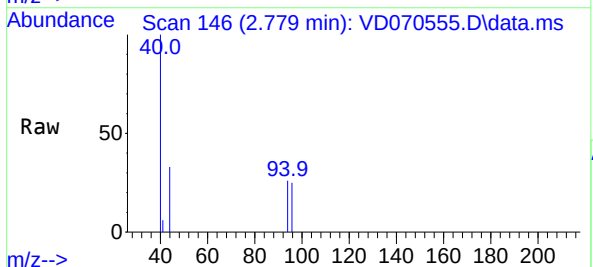
Instrument :
MSVOA_D
ClientSampleId :
EO-01-100121RE

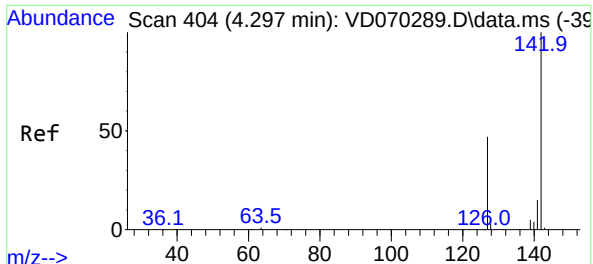
Tgt Ion:168 Resp: 15583
Ion Ratio Lower Upper
168 100
99 46.7 50.8 76.2#



#5
Bromomethane
Concen: 3.344 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Tgt Ion: 94 Resp: 1221
Ion Ratio Lower Upper
94 100
96 97.2 73.0 109.6

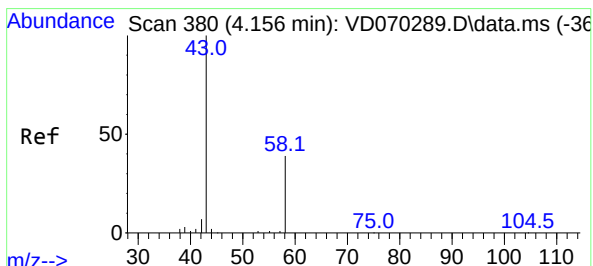
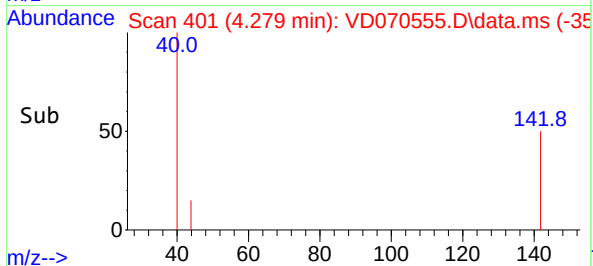
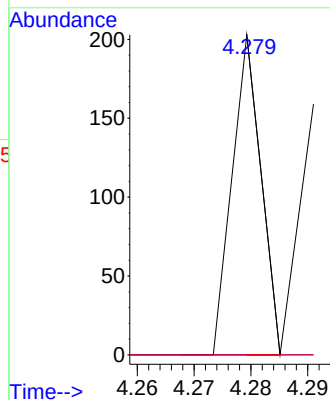
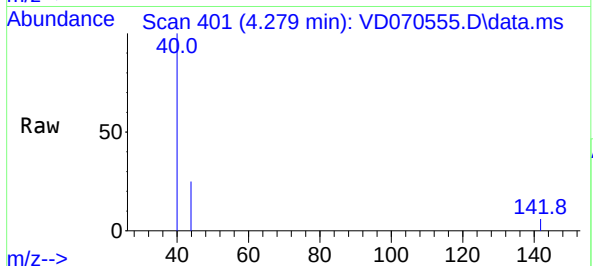




#10
Methyl Iodide
Concen: 1.395 ug/l
RT: 4.279 min Scan# 401
Delta R.T. -0.018 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

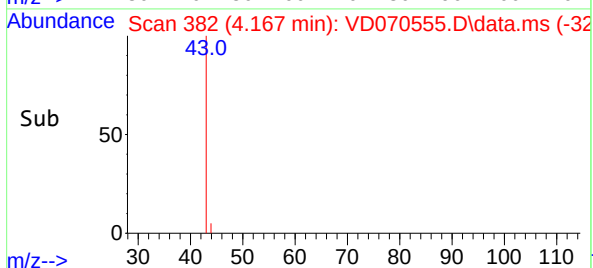
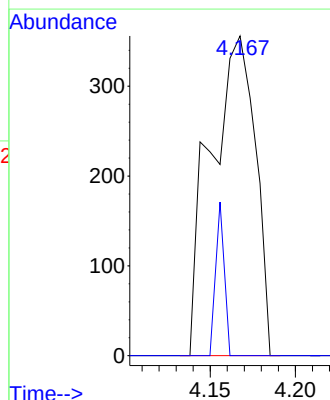
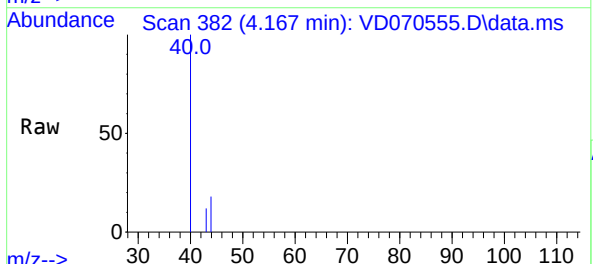
Instrument :
MSVOA_D
ClientSampleId :
EO-01-100121RE

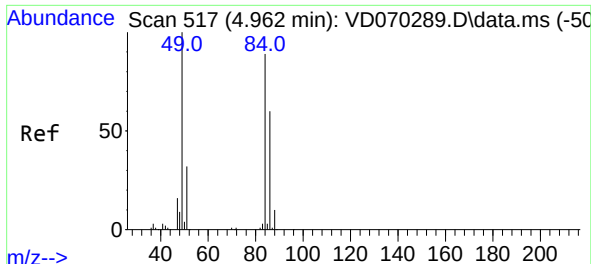
Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 18.224 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

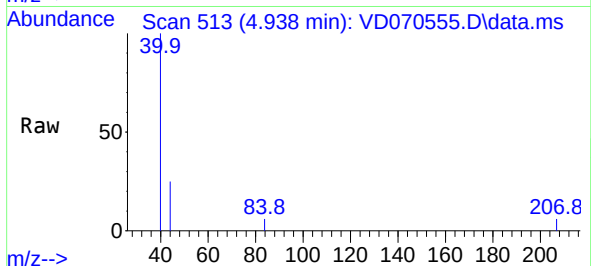
Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#





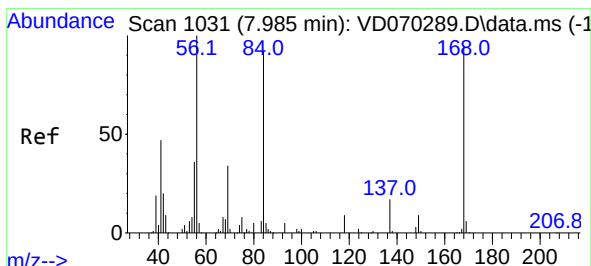
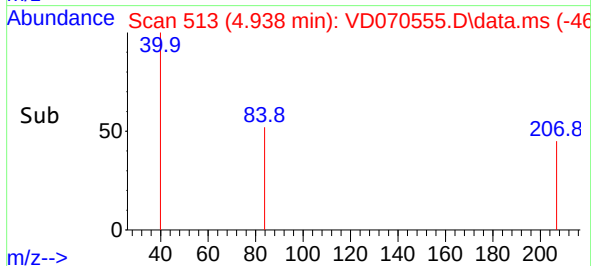
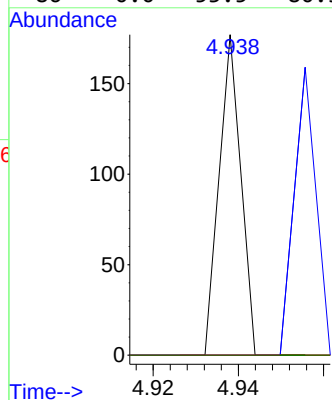
#20
Methylene Chloride
Concen: Below Cal
RT: 4.938 min Scan# 513
Delta R.T. -0.024 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :
EO-01-100121RE



Tgt Ion: 84 Resp: 62

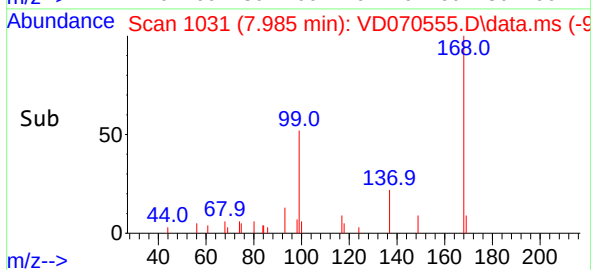
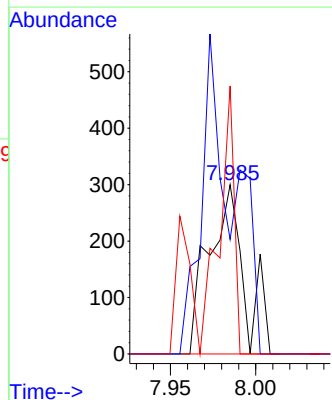
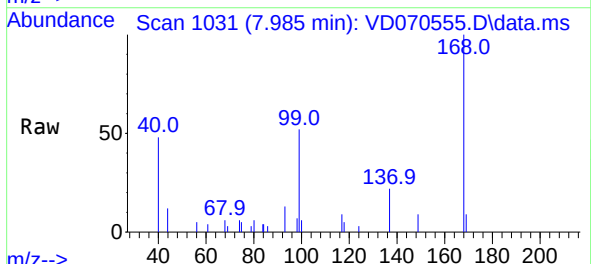
Ion	Ratio	Lower	Upper
84	100		
49	0.0	89.6	134.4#
51	0.0	28.6	43.0#
86	0.0	53.5	80.3#

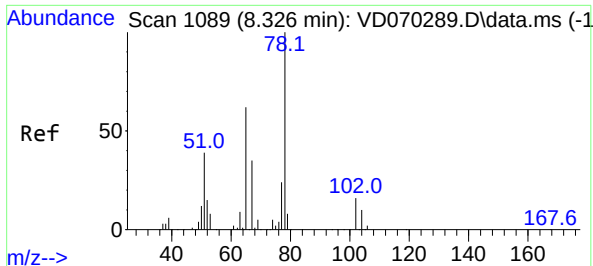


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Tgt Ion: 56 Resp: 434

Ion	Ratio	Lower	Upper
56	100		
69	67.7	26.9	40.3#
84	158.3	73.6	110.4#



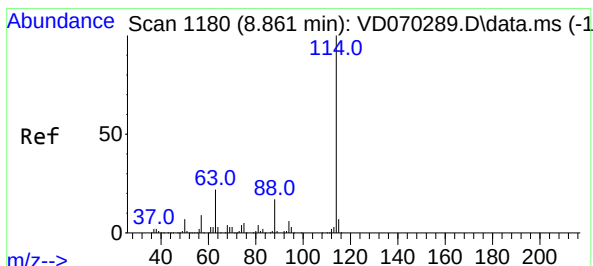
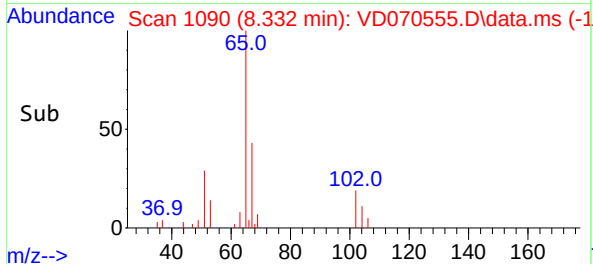
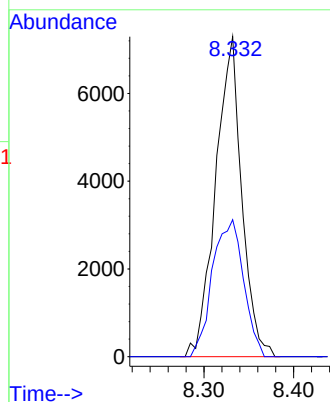
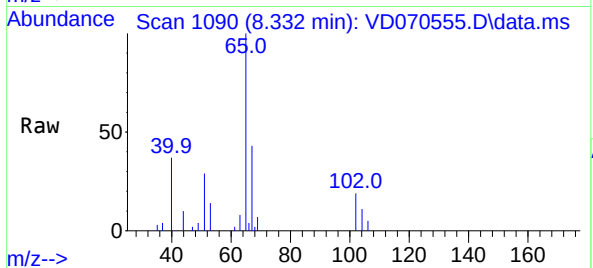


#33

1,2-Dichloroethane-d4
Concen: 73.562 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Instrument :
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ClientSampleId :
EO-01-100121RE

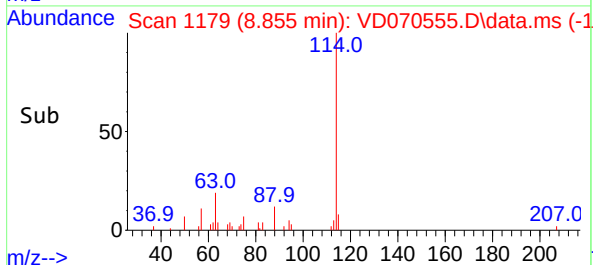
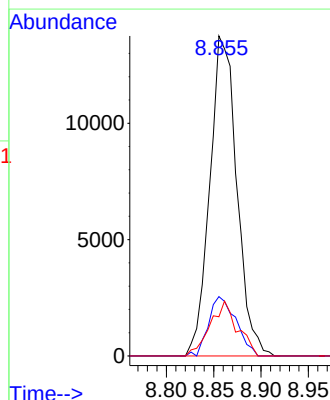
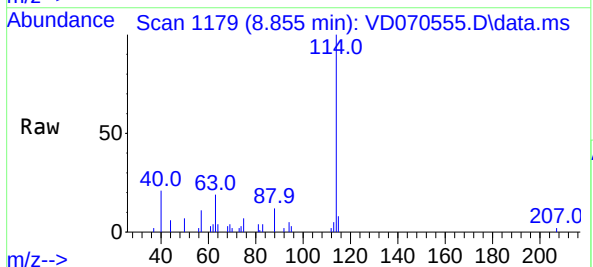
Tgt Ion: 65 Resp: 14719
Ion Ratio Lower Upper
65 100
67 50.9 0.0 111.4

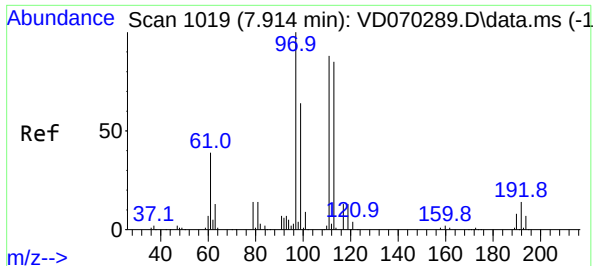


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Tgt Ion:114 Resp: 27328
Ion Ratio Lower Upper
114 100
63 18.6 0.0 43.4
88 12.3 0.0 33.4

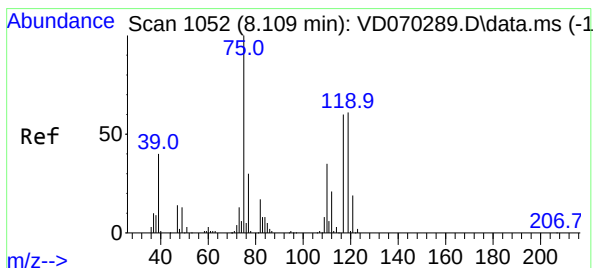
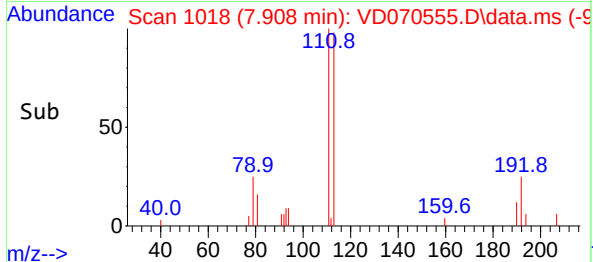
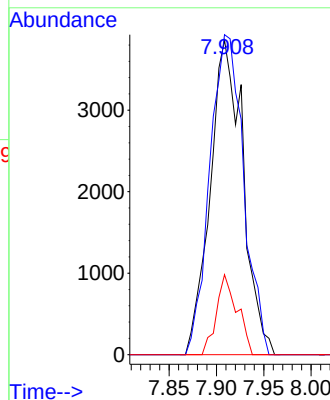
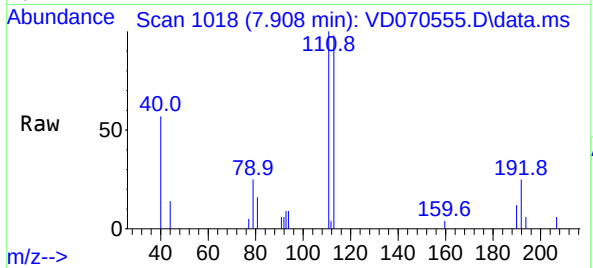




#35
Dibromofluoromethane
Concen: 47.896 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

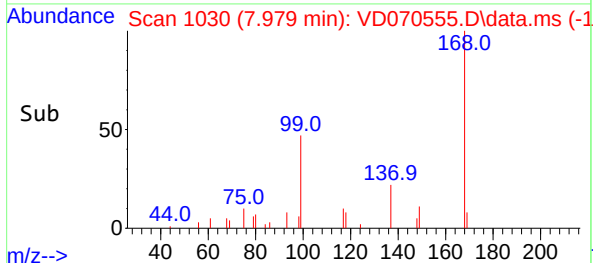
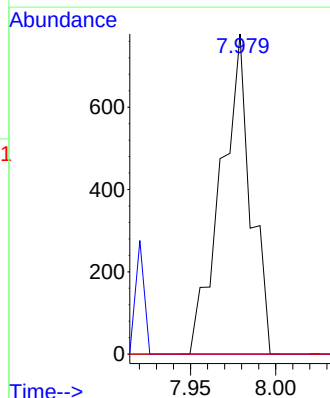
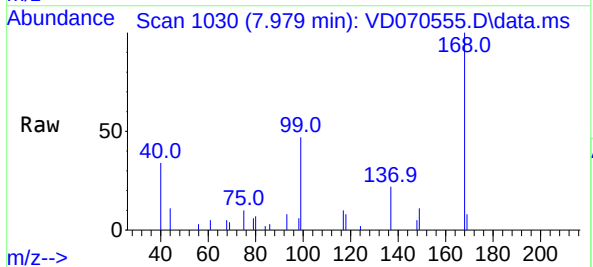
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MSVOA_D
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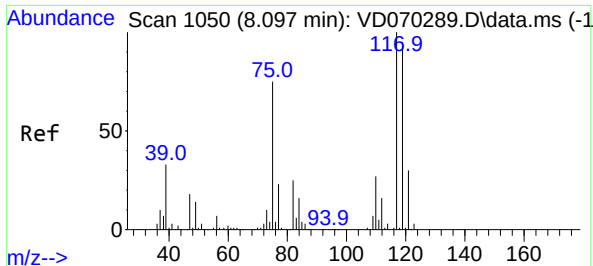
Tgt Ion:113 Resp: 9317
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.2
192 16.0 13.0 19.6



#36
1,1-Dichloropropene
Concen: 3.242 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Tgt Ion: 75 Resp: 947
Ion Ratio Lower Upper
75 100
110 0.0 17.9 53.7#
77 0.0 25.3 37.9#

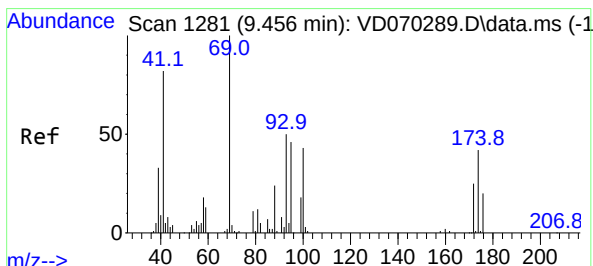
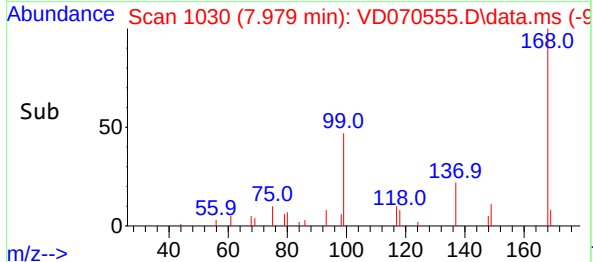
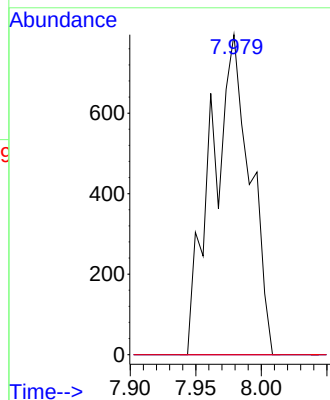
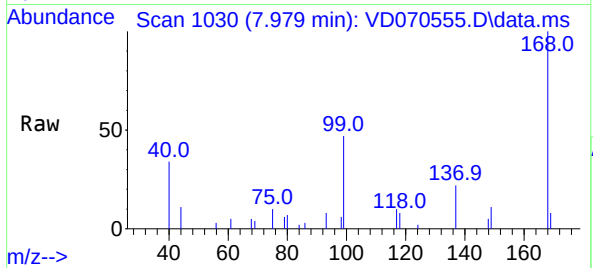




#38
Carbon Tetrachloride
Concen: 5.639 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

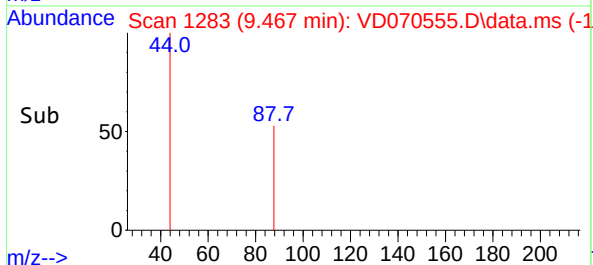
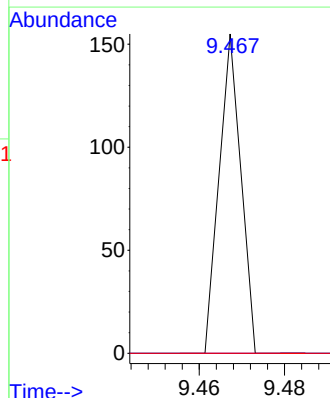
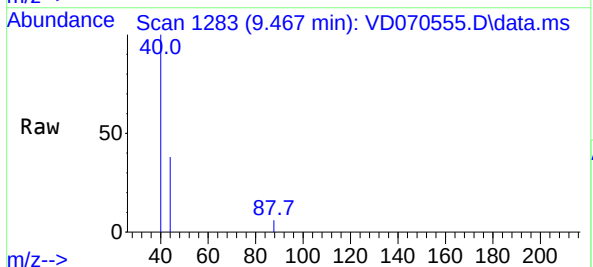
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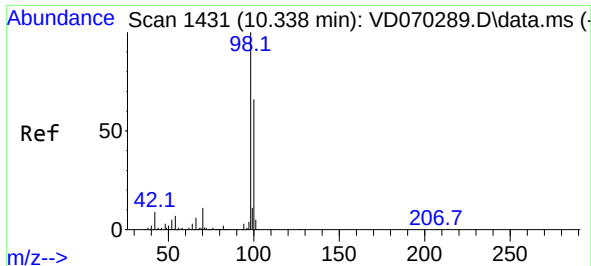
Tgt Ion:117 Resp: 1629
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#



#49
1,4-Dioxane
Concen: 47.482 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.012 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 22.4 33.6#
58 0.0 54.2 81.4#

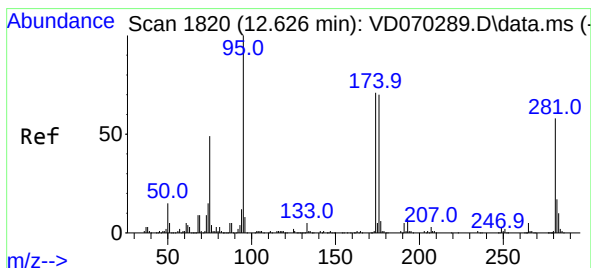
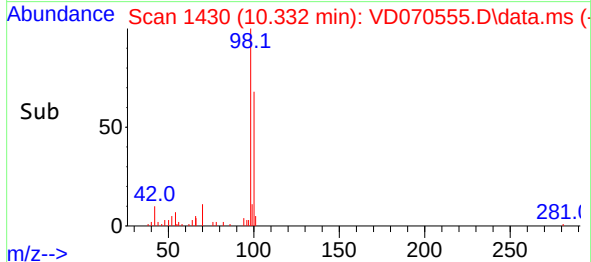
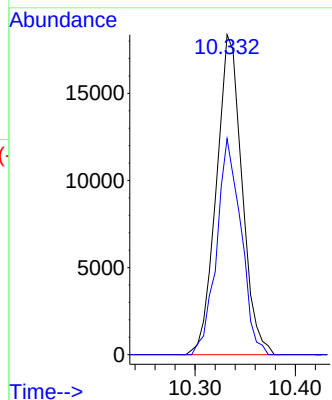
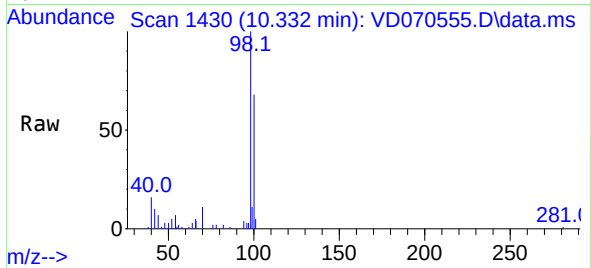




#50
Toluene-d8
Concen: 46.124 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

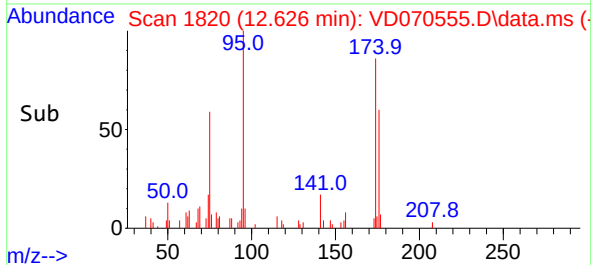
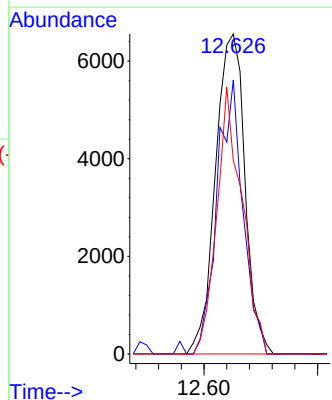
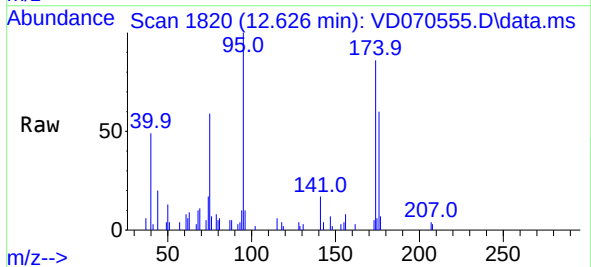
Instrument :
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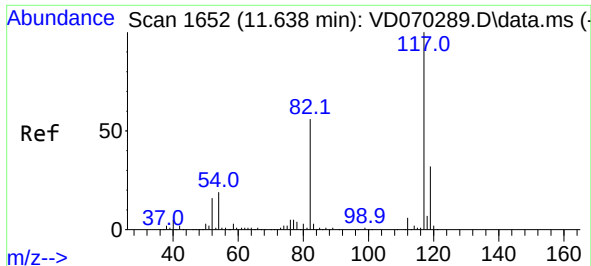
Tgt Ion: 98 Resp: 32576
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.769 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Tgt Ion: 95 Resp: 11791
Ion Ratio Lower Upper
95 100
174 75.1 0.0 140.6
176 71.6 0.0 137.4

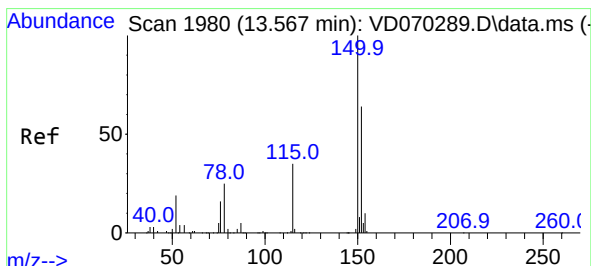
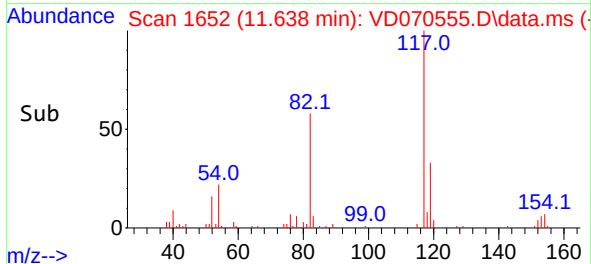
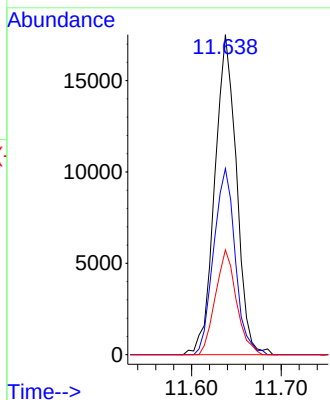
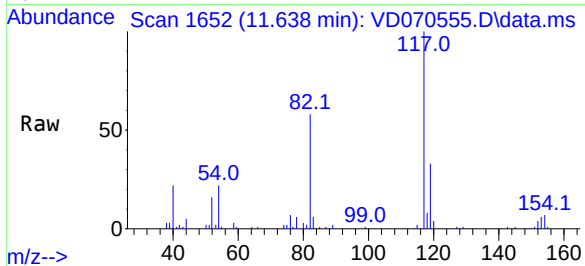




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

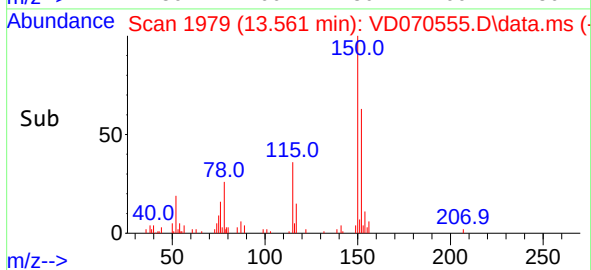
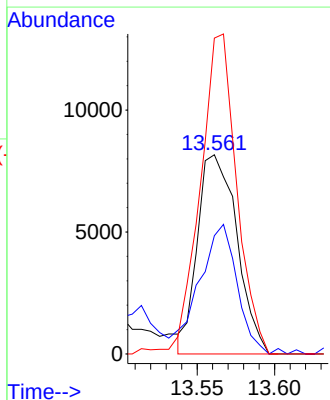
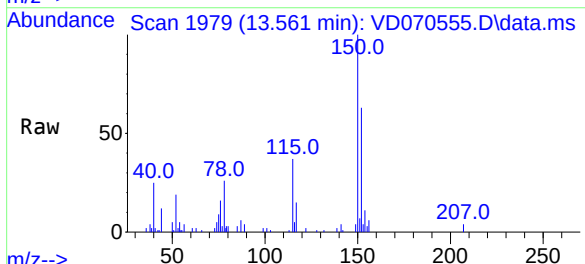
Instrument :
MSVOA_D
ClientSampleId :
EO-01-100121RE

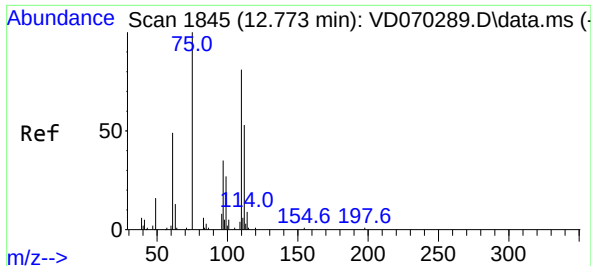
Tgt Ion:	117	Resp:	29458
Ion Ratio	Lower	Upper	
117	100		
82	58.2	45.0	67.4
119	32.7	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Tgt Ion:	152	Resp:	14430
Ion Ratio	Lower	Upper	
152	100		
115	63.5	32.1	96.3
150	149.7	0.0	350.6

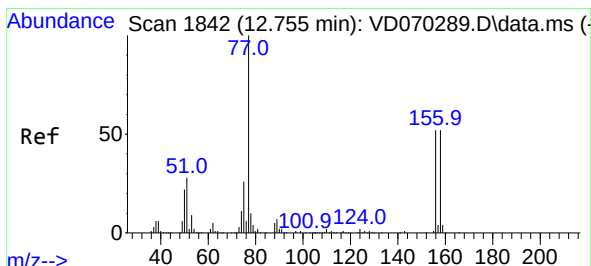
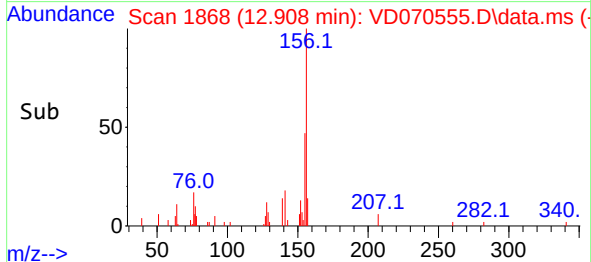
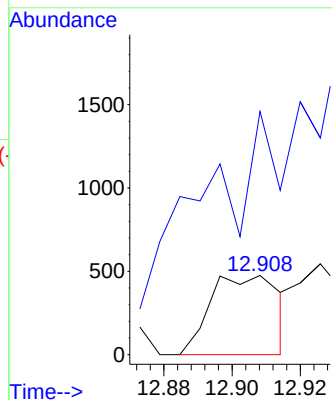
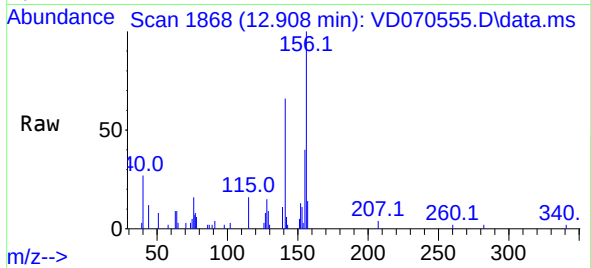




#76
1,2,3-Trichloropropane
Concen: 4.590 ug/l
RT: 12.908 min Scan# 1868
Delta R.T. 0.135 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

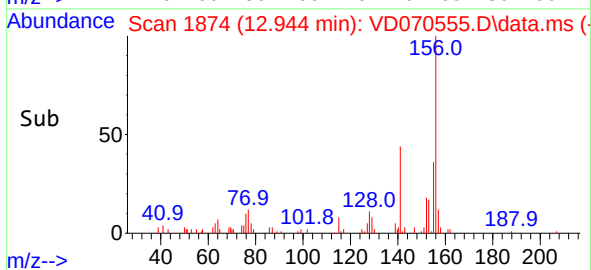
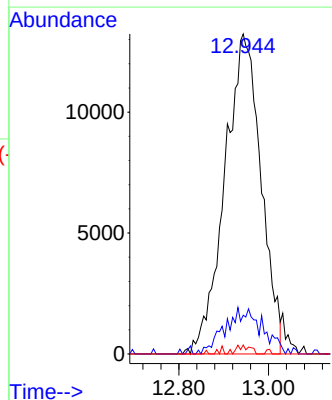
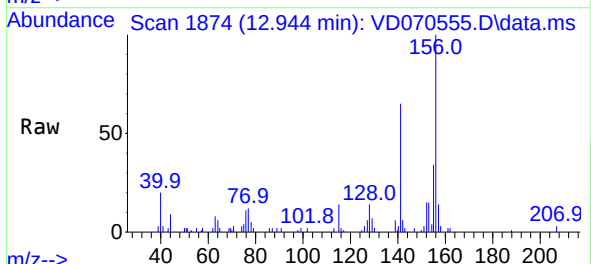
Instrument :
MSVOA_D
ClientSampleId :
EO-01-100121RE

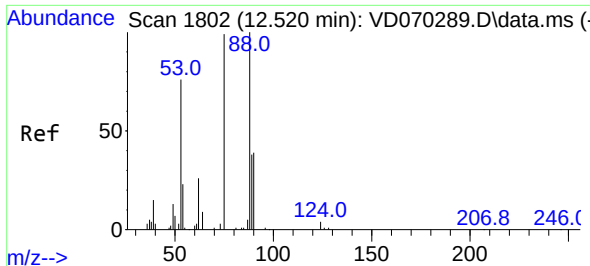
Tgt Ion: 75 Resp: 670
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#77
Bromobenzene
Concen: 317.648 ug/l
RT: 12.944 min Scan# 1874
Delta R.T. 0.188 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

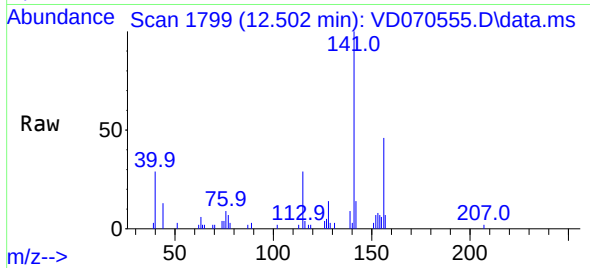
Tgt Ion: 156 Resp: 74162
Ion Ratio Lower Upper
156 100
77 6.8 104.3 312.8#
158 0.4 49.4 148.0#



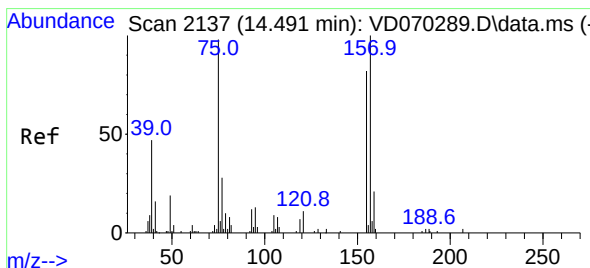
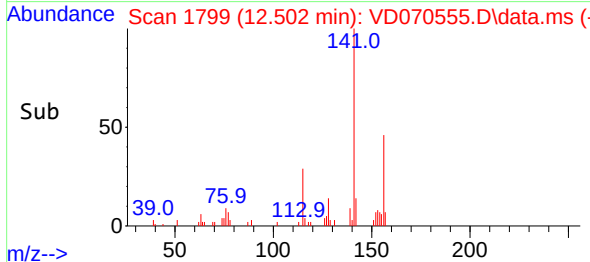
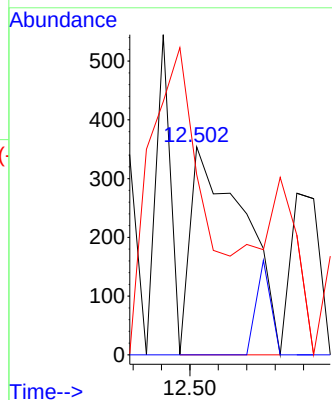


#81
trans-1,4-Dichloro-2-butene
Concen: 8.017 ug/l
RT: 12.502 min Scan# 1799
Delta R.T. -0.018 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :
EO-01-100121RE

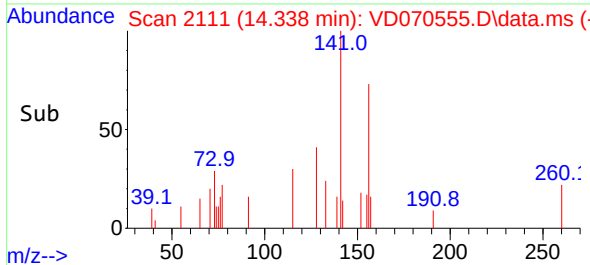
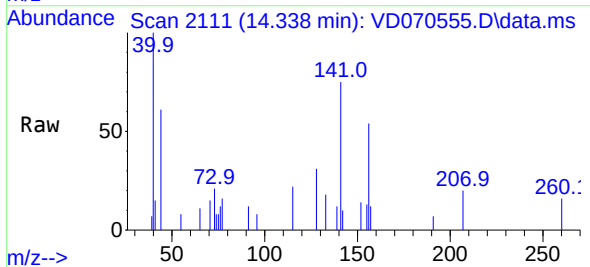
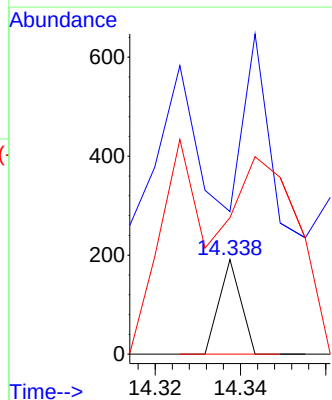


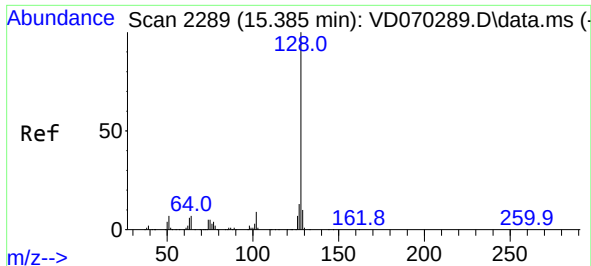
Tgt Ion: 75 Resp: 467
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 148.0 35.6 53.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.064 ug/l
RT: 14.338 min Scan# 2111
Delta R.T. -0.153 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Tgt Ion: 75 Resp: 67
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.9#
157 520.9 48.9 146.6#





#95
Naphthalene
Concen: 48.577 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070555.D
Acq: 04 Oct 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :
EO-01-100121RE

Tgt Ion:	128	Resp:	20446
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.3	9.0	13.4

