

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100421\
 Data File : VD070552.D
 Acq On : 04 Oct 2021 15:44
 Operator : VA/SY
 Sample : M4042-05
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-100121

Quant Time: Oct 05 05:00:44 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)

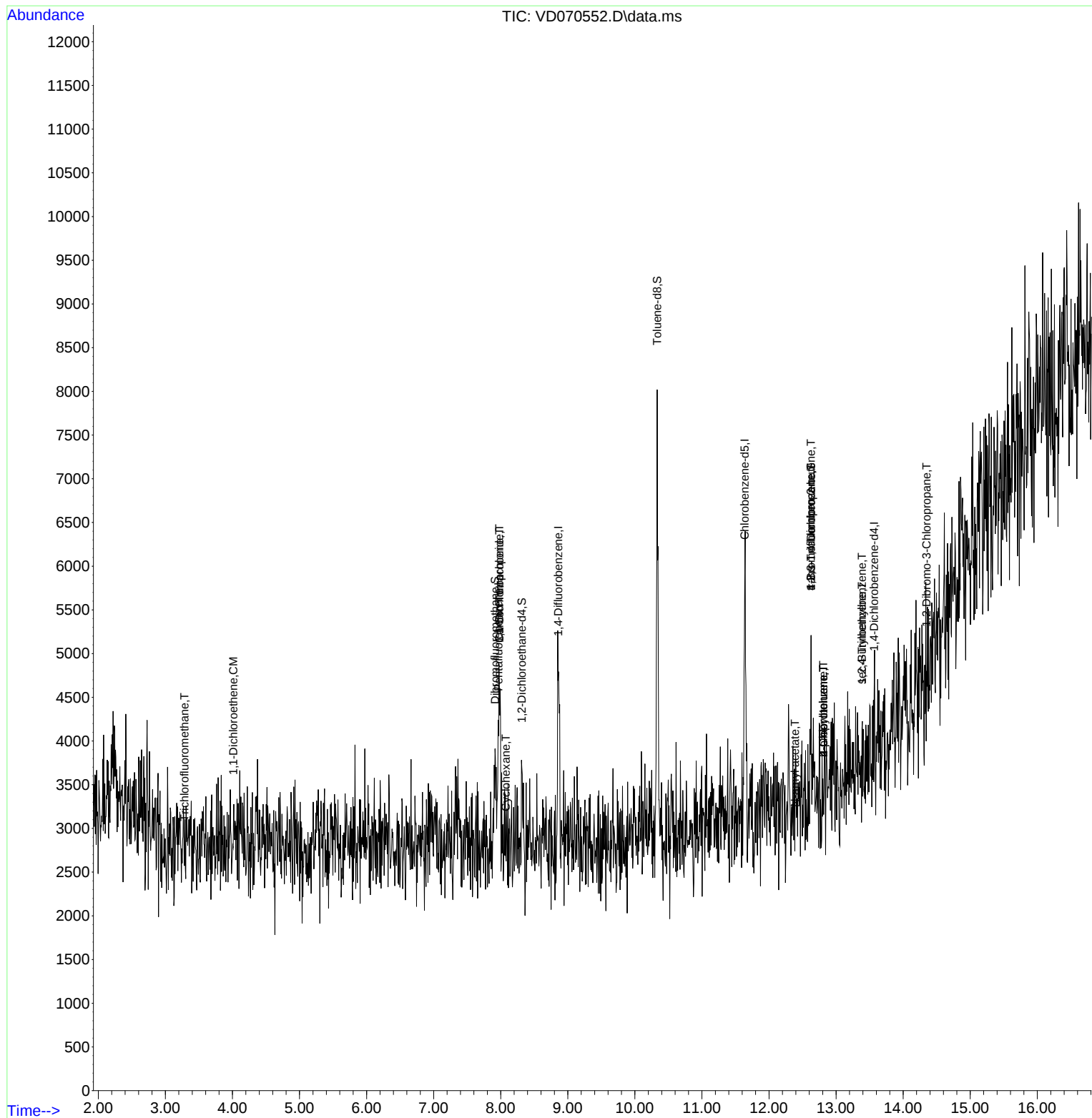
Internal Standards						
1) Pentafluorobenzene	7.967	168	2097	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.856	114	2926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	2278	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.314	65	1073	39.850	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.700%		
35) Dibromofluoromethane	7.915	113	1218	58.480	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	116.960%		
50) Toluene-d8	10.332	98	3805	50.317	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.640%		
62) 4-Bromofluorobenzene	12.626	95	337	12.752	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	25.500%		
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.285	101	70	1.604	ug/l #	17
12) 1,1-Dichloroethene	4.015	96	84	3.441	ug/l #	1
31) Cyclohexane	8.073	56	61	1.315	ug/l #	14
36) 1,1-Dichloropropene	7.979	75	68	2.174	ug/l #	41
38) Carbon Tetrachloride	7.979	117	106	3.427	ug/l #	12
74) N-amyl acetate	12.385	43	112	24.680	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	58	19.306	ug/l #	1
78) n-propylbenzene	12.808	91	82	3.033	ug/l #	54
79) 2-Chlorotoluene	12.808	91	82	5.204	ug/l #	42
81) trans-1,4-Dichloro-2-b...	12.626	75	58	48.374	ug/l #	17
82) 4-Chlorotoluene	12.808	91	82	4.933	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.385	105	55	3.107	ug/l #	32
85) sec-Butylbenzene	13.385	105	55	2.400	ug/l #	57
92) 1,2-Dibromo-3-Chloropr...	14.349	75	80	119.743	ug/l #	5

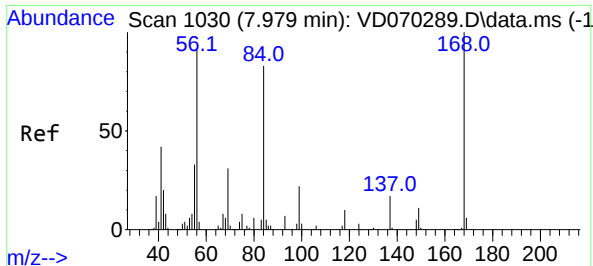
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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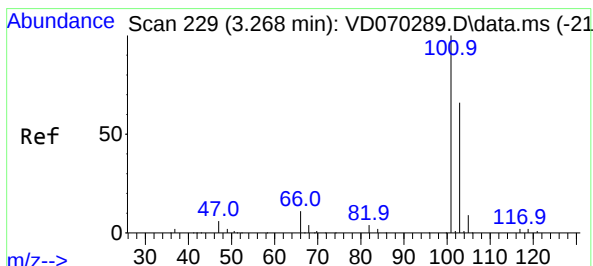
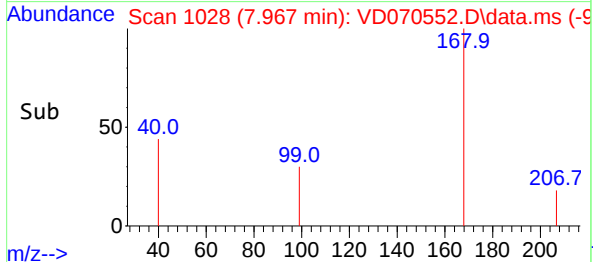
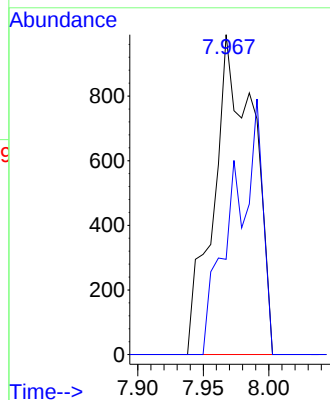
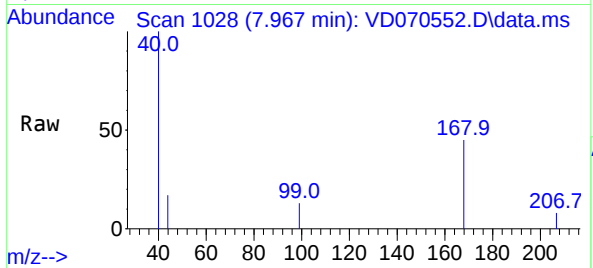




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

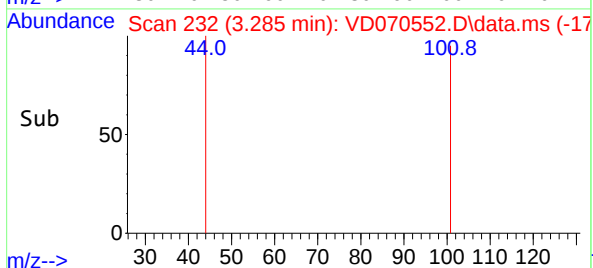
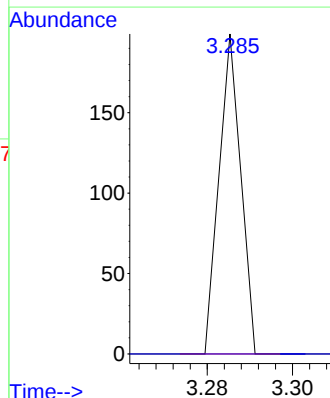
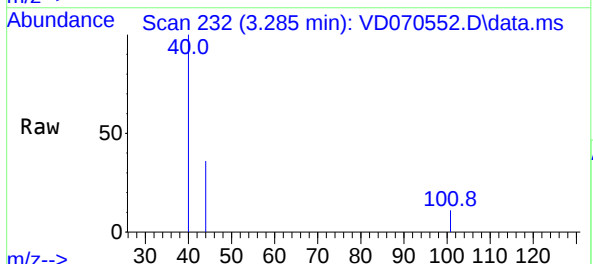
Instrument :
MSVOA_D
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EO-03-100121

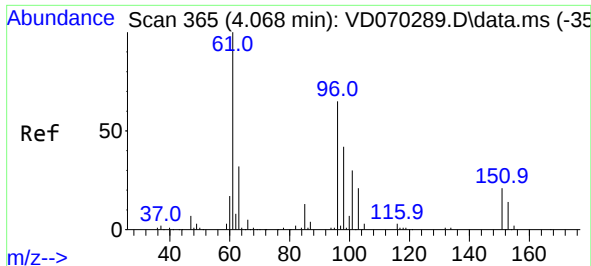
Tgt Ion:168 Resp: 2097
Ion Ratio Lower Upper
168 100
99 29.8 50.8 76.2#



#7
Trichlorofluoromethane
Concen: 1.604 ug/l
RT: 3.285 min Scan# 232
Delta R.T. 0.018 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion:101 Resp: 70
Ion Ratio Lower Upper
101 100
103 0.0 53.0 79.6#





#12

1,1-Dichloroethene

Concen: 3.441 ug/l

RT: 4.015 min Scan# 356

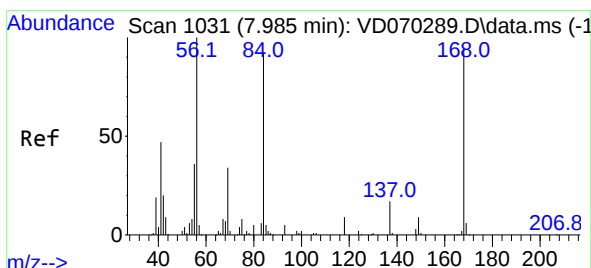
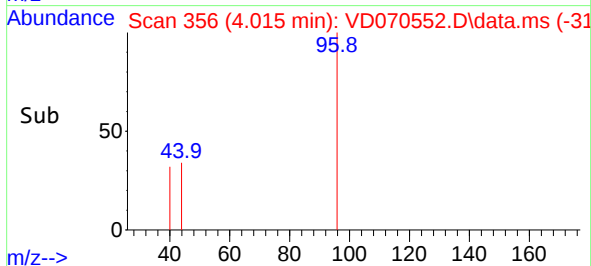
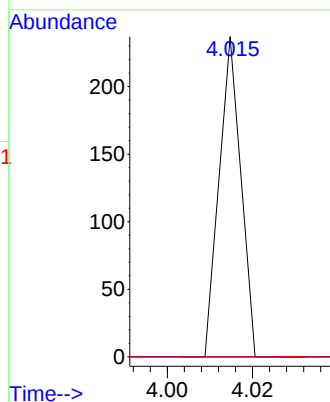
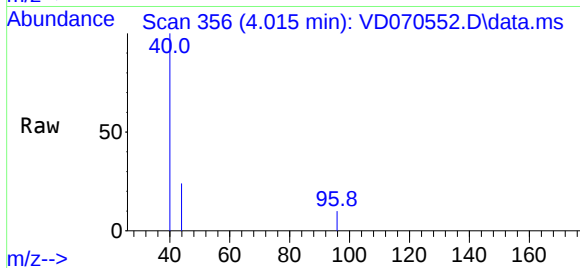
Delta R.T. -0.053 min

Lab File: VD070552.D

Acq: 04 Oct 2021 15:44

Tgt Ion:	96	Resp:	84
Ion	Ratio	Lower	Upper
96	100		
61	0.0	123.2	184.8#
98	0.0	51.9	77.9#

Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121



#31

Cyclohexane

Concen: 1.315 ug/l

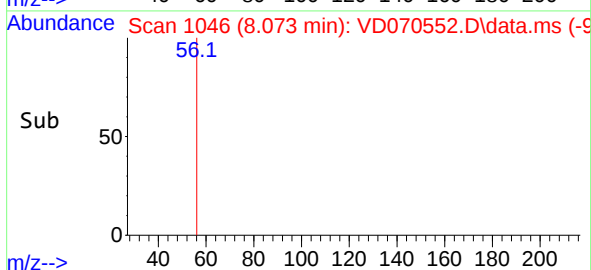
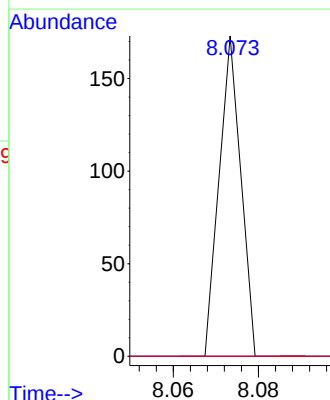
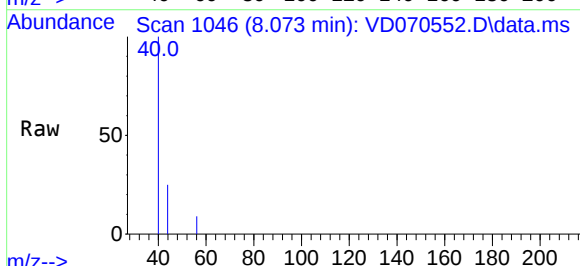
RT: 8.073 min Scan# 1046

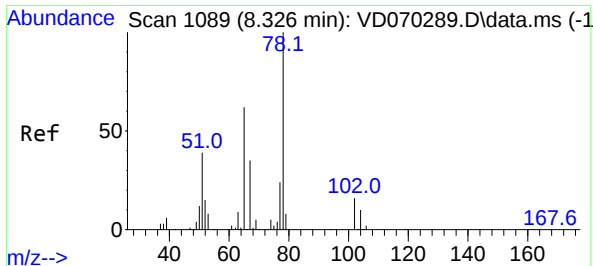
Delta R.T. 0.088 min

Lab File: VD070552.D

Acq: 04 Oct 2021 15:44

Tgt Ion:	56	Resp:	61
Ion	Ratio	Lower	Upper
56	100		
69	0.0	26.9	40.3#
84	0.0	73.6	110.4#

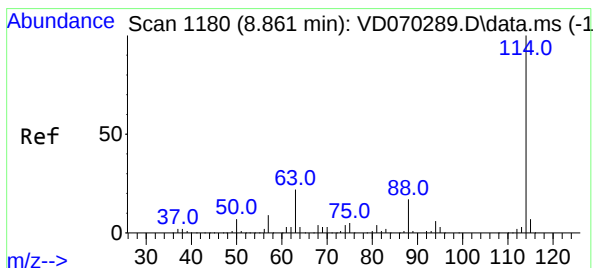
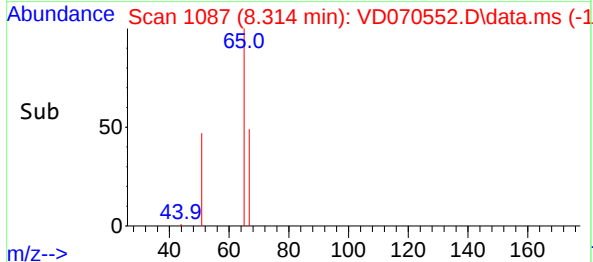
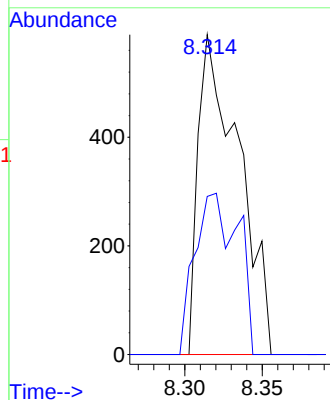
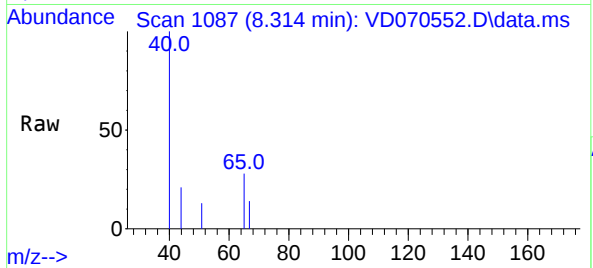




#33
1,2-Dichloroethane-d4
Concen: 39.850 ug/l
RT: 8.314 min Scan# 1087
Delta R.T. -0.012 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

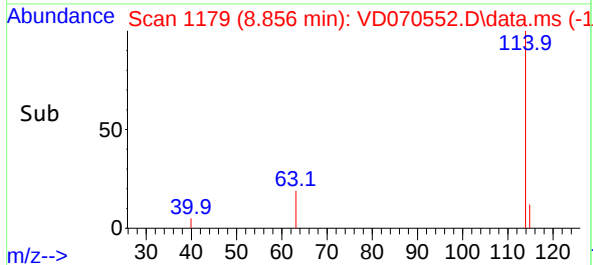
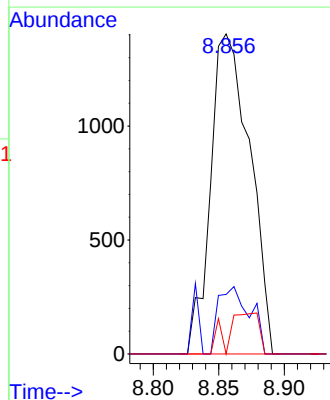
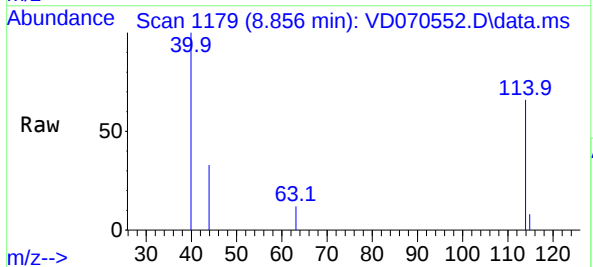
Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121

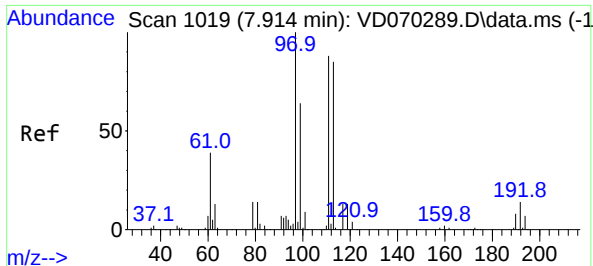
Tgt Ion: 65 Resp: 1073
Ion Ratio Lower Upper
65 100
67 53.5 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion: 114 Resp: 2926
Ion Ratio Lower Upper
114 100
63 18.6 0.0 43.4
88 0.0 0.0 33.4



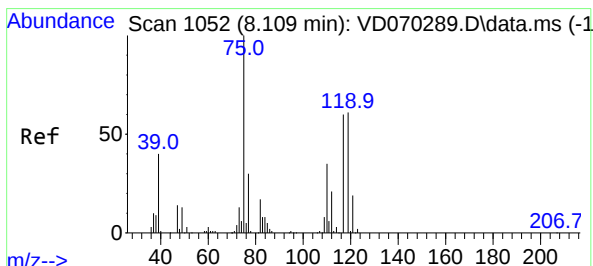
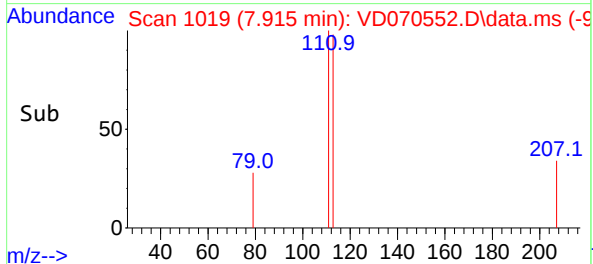
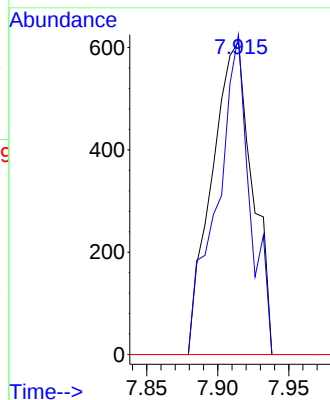
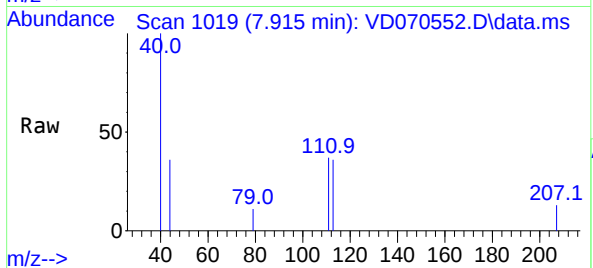


#35

Dibromofluoromethane
Concen: 58.480 ug/l
RT: 7.915 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121

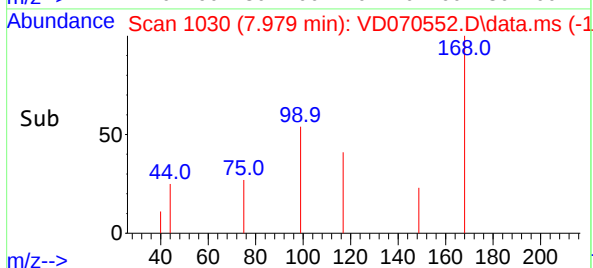
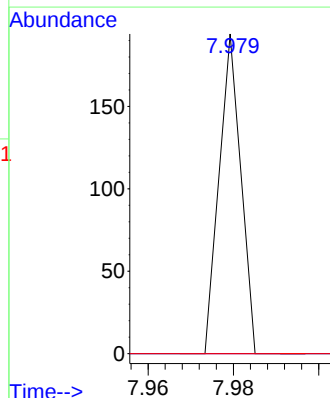
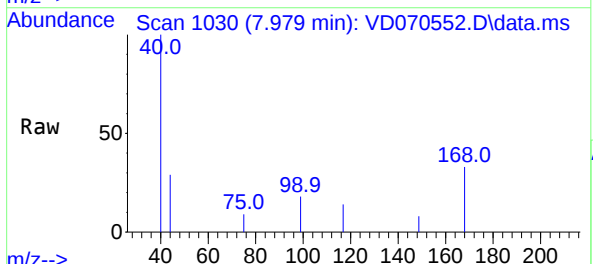
Tgt Ion:113 Resp: 1218
Ion Ratio Lower Upper
113 100
111 83.1 81.4 122.2
192 0.0 13.0 19.6#

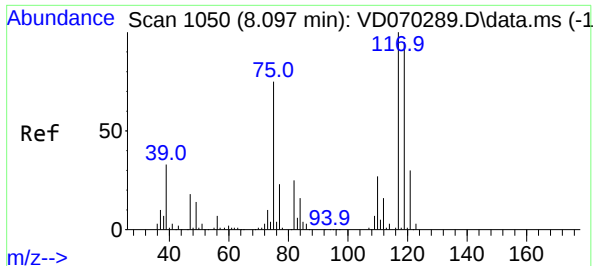


#36

1,1-Dichloropropene
Concen: 2.174 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
110 0.0 17.9 53.7#
77 0.0 25.3 37.9#

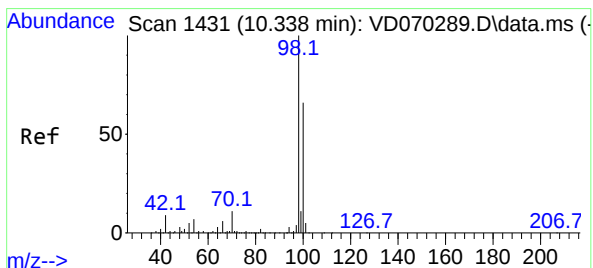
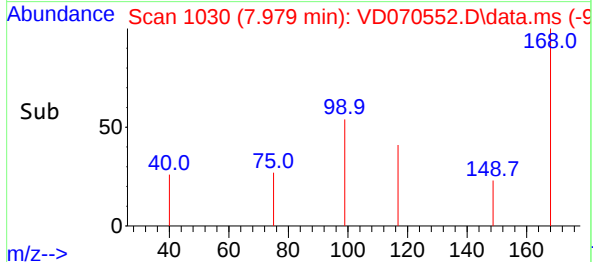
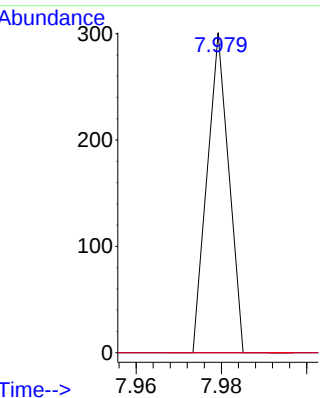
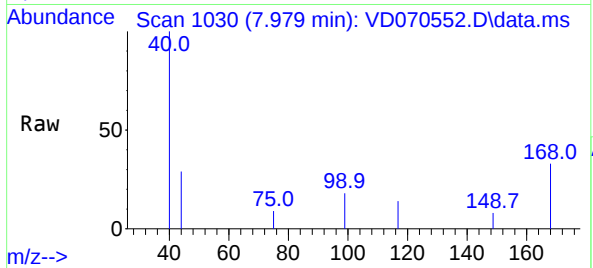




#38
Carbon Tetrachloride
Concen: 3.427 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

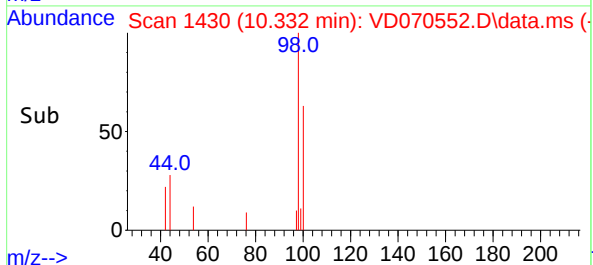
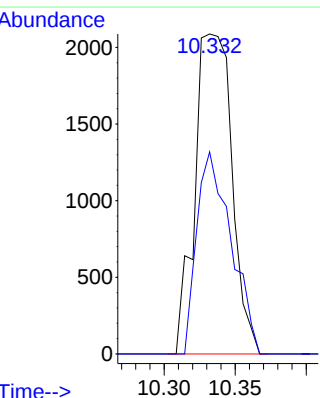
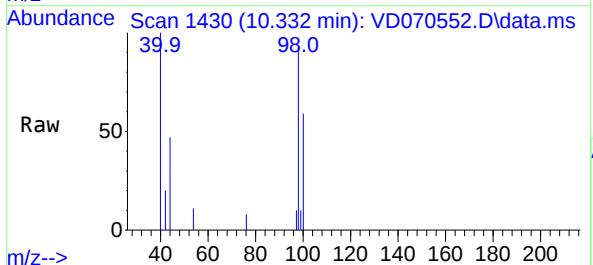
Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121

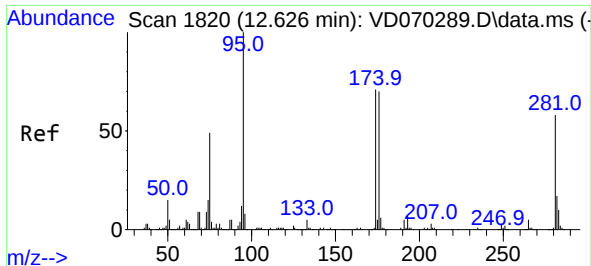
Tgt Ion:117 Resp: 106
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 50.317 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion: 98 Resp: 3805
Ion Ratio Lower Upper
98 100
100 58.3 52.0 78.0



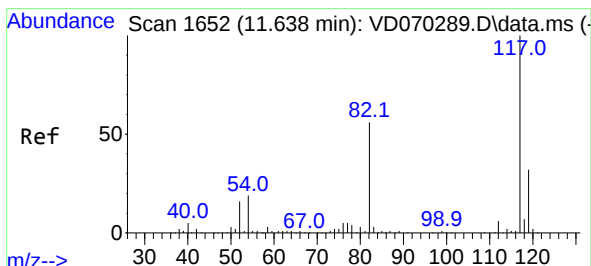
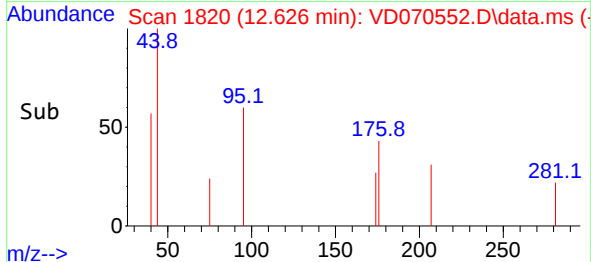
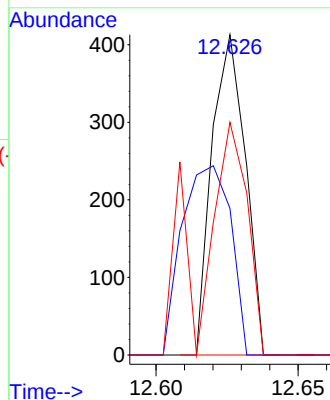
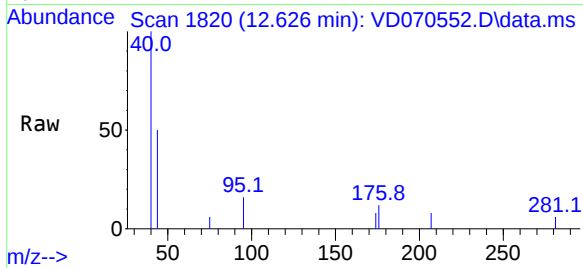


#62
4-Bromofluorobenzene
Concen: 12.752 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121

Tgt Ion: 95 Resp: 337

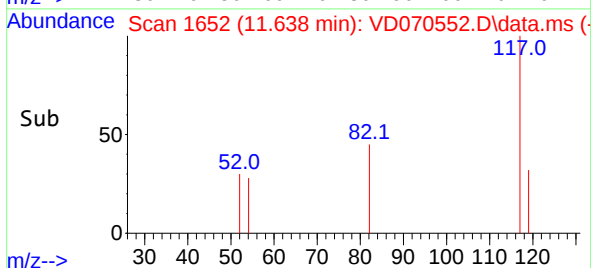
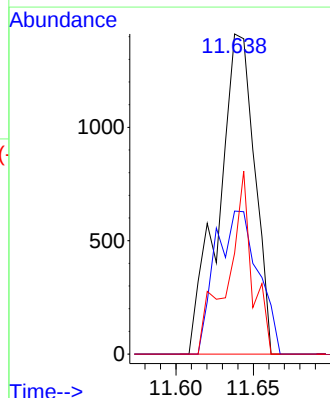
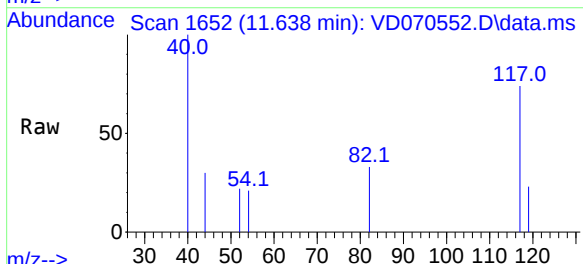
Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	140.6
176	71.2	0.0	137.4

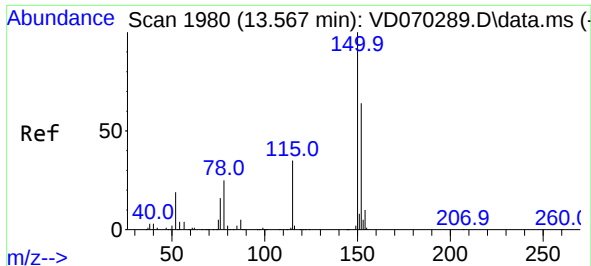


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion: 117 Resp: 2278

Ion	Ratio	Lower	Upper
117	100		
82	44.7	45.0	67.4#
119	31.5	25.2	37.8

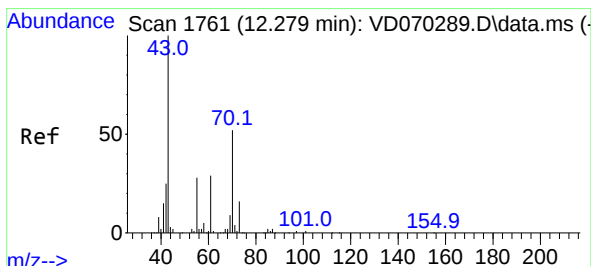
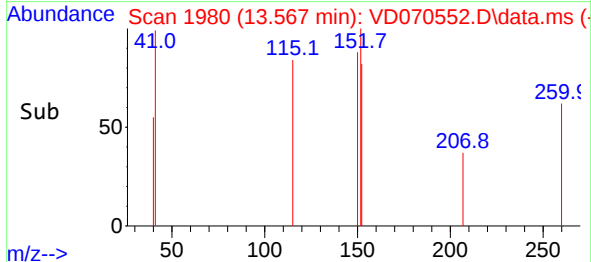
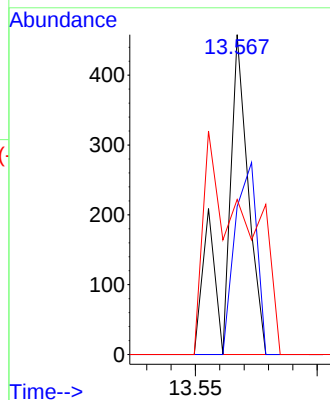
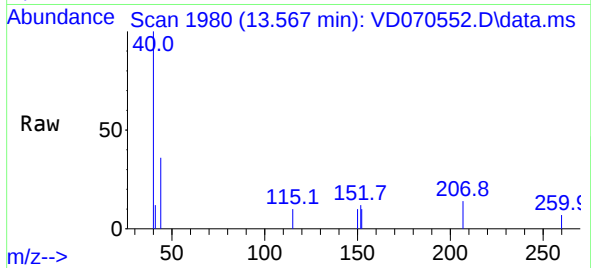




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

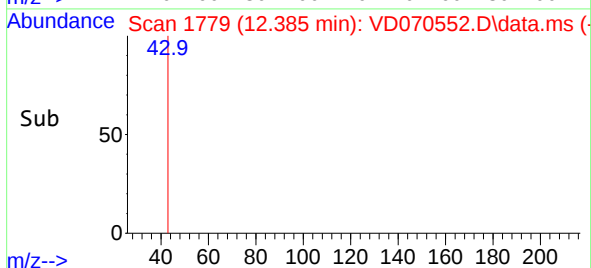
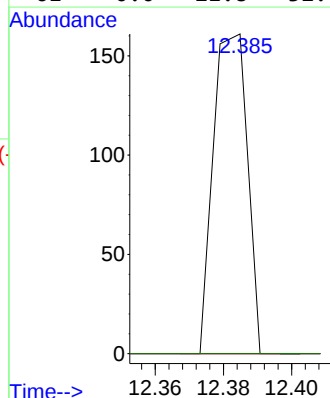
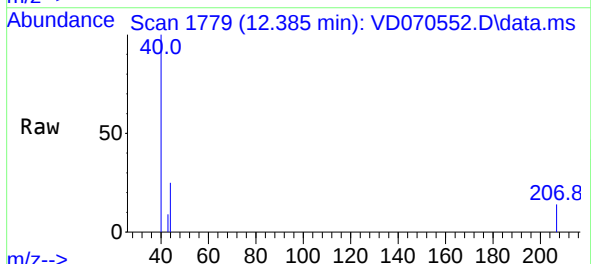
Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121

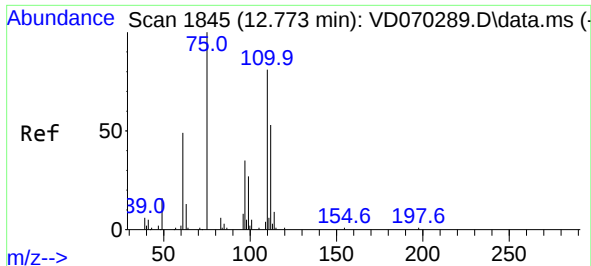
Tgt Ion:	152	Resp:	297
Ion	Ratio	Lower	Upper
152	100		
115	57.9	32.1	96.3
150	129.0	0.0	350.6



#74
N-ethyl acetate
Concen: 24.680 ug/l
RT: 12.385 min Scan# 1779
Delta R.T. 0.106 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion:	43	Resp:	112
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.4	62.0#
55	0.0	22.8	34.2#
61	0.0	21.8	32.6#

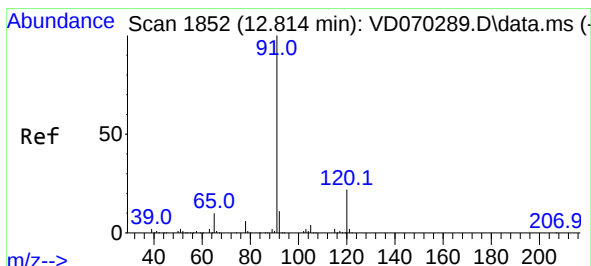
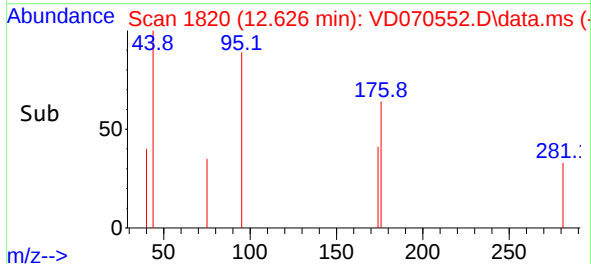
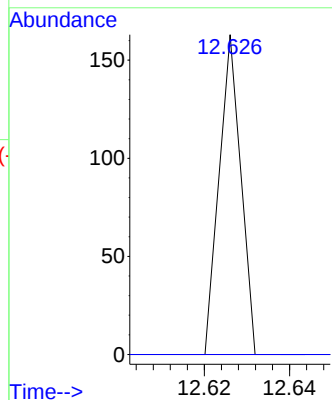
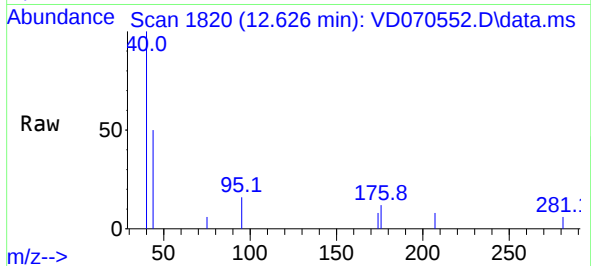




#76
1,2,3-Trichloropropane
Concen: 19.306 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

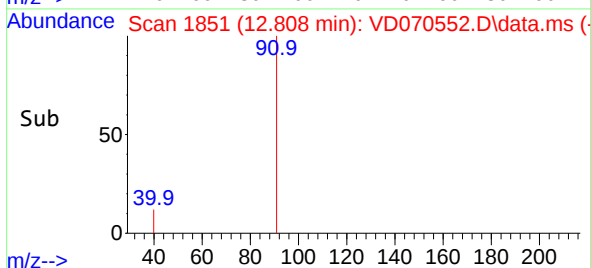
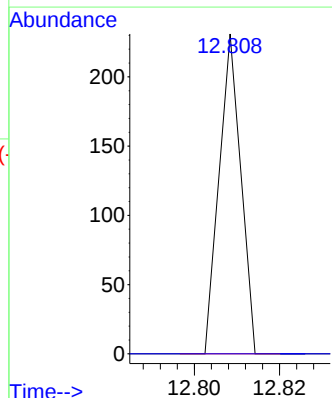
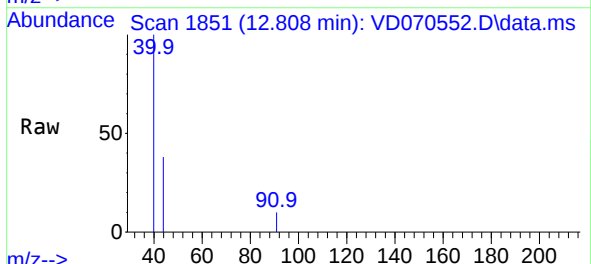
Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121

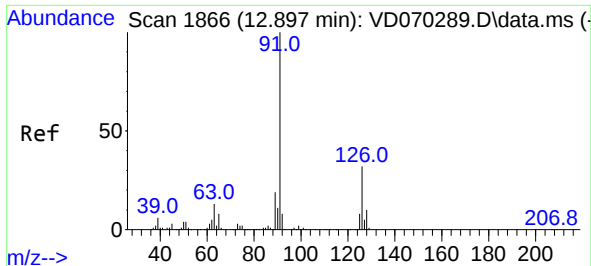
Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#78
n-propylbenzene
Concen: 3.033 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion: 91 Resp: 82
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#

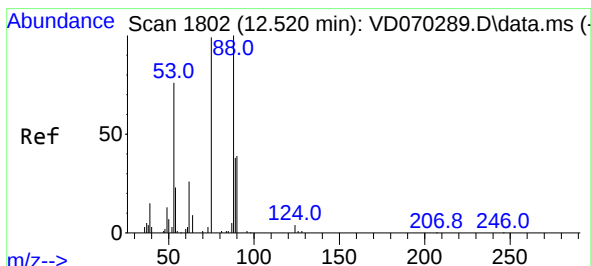
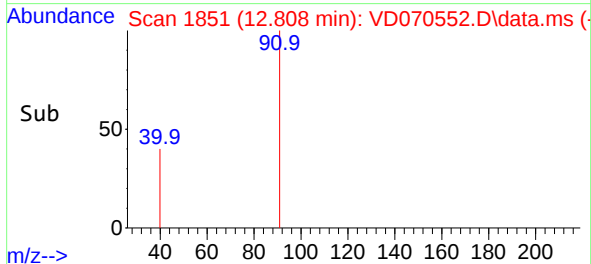
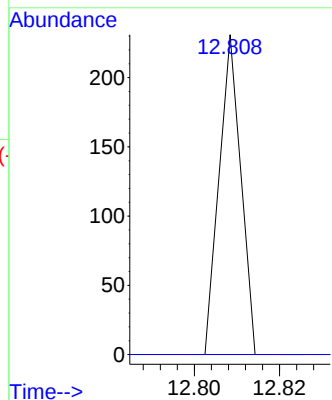
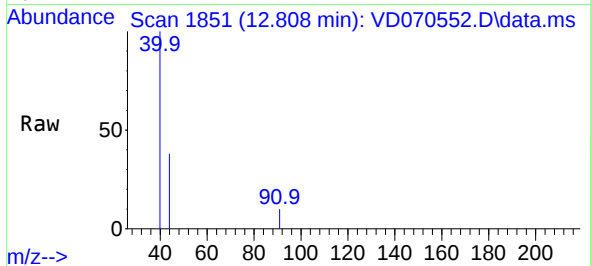




#79
2-Chlorotoluene
Concen: 5.204 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.088 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

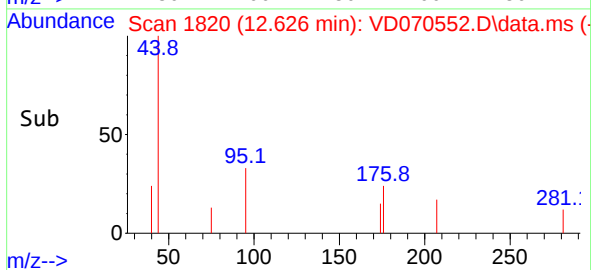
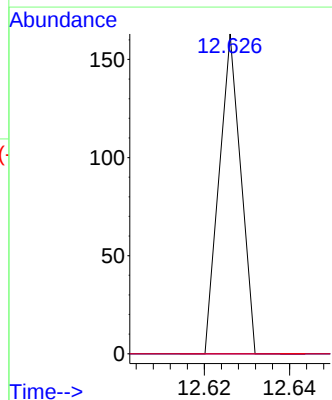
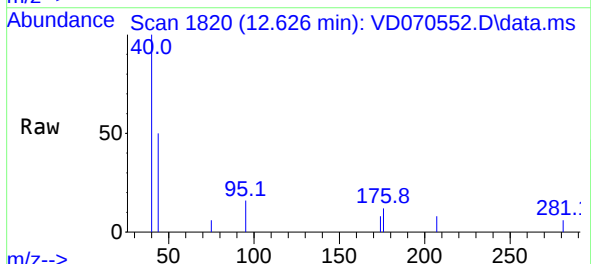
Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121

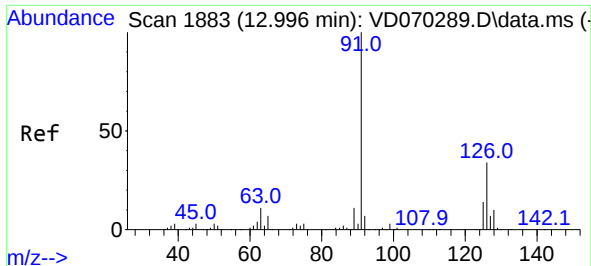
Tgt Ion: 91 Resp: 82
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 48.374 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#

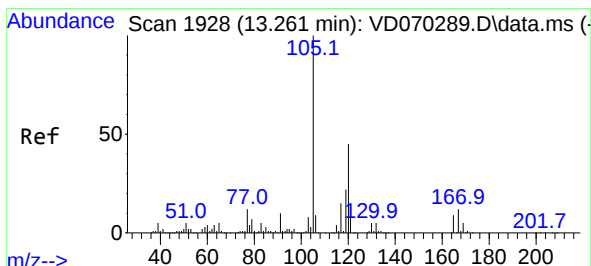
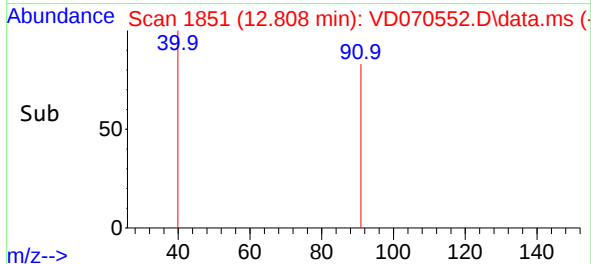
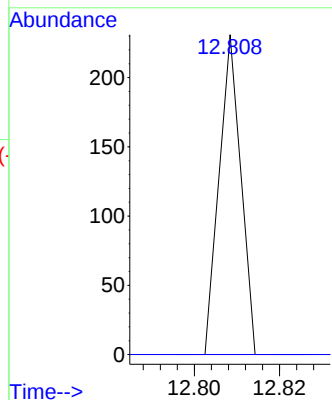
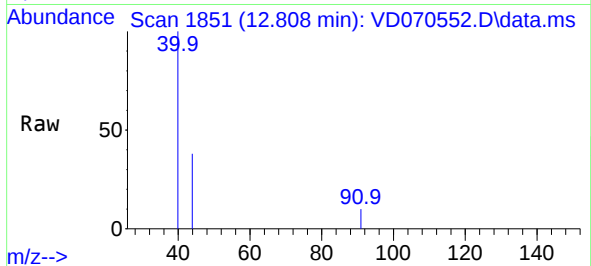




#82
4-Chlorotoluene
Concen: 4.933 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.188 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

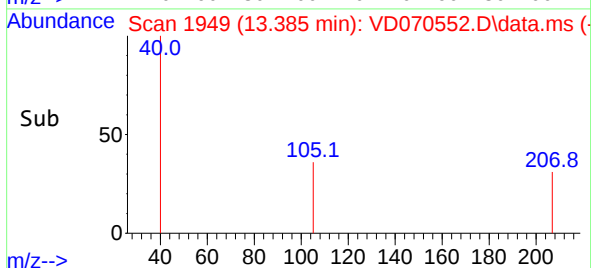
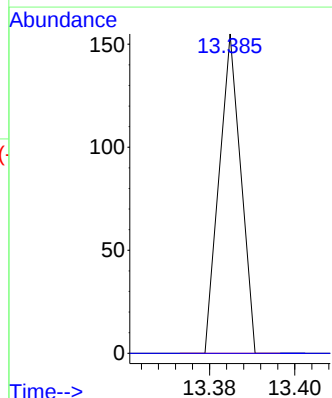
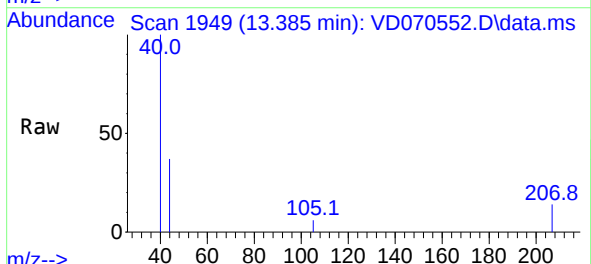
Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121

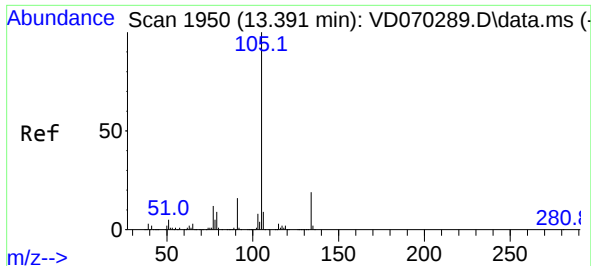
Tgt Ion: 91 Resp: 82
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.5#



#84
1,2,4-Trimethylbenzene
Concen: 3.107 ug/l
RT: 13.385 min Scan# 1949
Delta R.T. 0.124 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion: 105 Resp: 55
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#

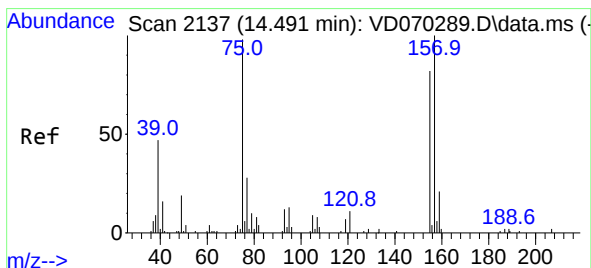
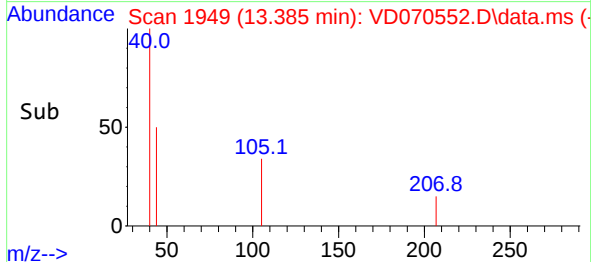
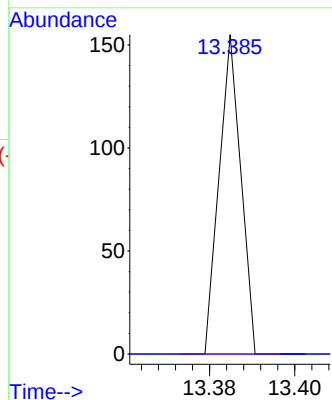
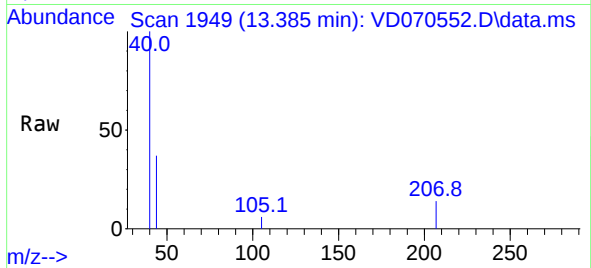




#85
sec-Butylbenzene
Concen: 2.400 ug/l
RT: 13.385 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :
EO-03-100121

Tgt Ion:105 Resp: 55
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 119.743 ug/l
RT: 14.349 min Scan# 2113
Delta R.T. -0.141 min
Lab File: VD070552.D
Acq: 04 Oct 2021 15:44

Tgt Ion: 75 Resp: 80
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.9#
157 0.0 48.9 146.6#

