

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD070990.D
 Acq On : 11 Nov 2021 14:32
 Operator : VA/SY
 Sample : M4576-04
 Misc : 7.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:00:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

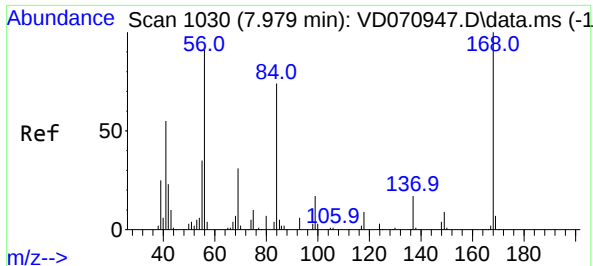
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	334737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	614342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	495712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	147780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	215377	60.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.860%	
35) Dibromofluoromethane	7.908	113	202214	58.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.660%	
50) Toluene-d8	10.332	98	701228	51.652	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	12.620	95	209346	42.827	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.660%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	282	6.086	ug/l #	40
11) Tert butyl alcohol	5.203	59	884	3.394	ug/l #	71
13) Acrolein	3.944	56	56	Below Cal	#	13
16) Acetone	4.156	43	167578	180.123	ug/l	93
17) Carbon Disulfide	4.409	76	209161	20.379	ug/l	99
20) Methylene Chloride	4.961	84	20009	4.552	ug/l	94
23) Vinyl Acetate	6.285	43	179	21.006	ug/l #	72
25) 2-Butanone	7.214	43	71197	72.946	ug/l #	85
29) Tetrahydrofuran	7.561	42	927	1.280	ug/l #	60
31) Cyclohexane	7.973	56	18814	2.567	ug/l #	55
36) 1,1-Dichloropropene	7.973	75	29546	5.387	ug/l #	48
37) Ethyl Acetate	7.214	43	71197	28.450	ug/l #	66
38) Carbon Tetrachloride	7.973	117	36377	7.202	ug/l #	15
41) Methacrylonitrile	7.491	41	333	3.674	ug/l #	12
51) 4-Methyl-2-Pentanone	10.226	43	11798	4.595	ug/l	89
52) Toluene	10.396	92	68459	7.031	ug/l	97
59) 2-Hexanone	10.979	43	9228	20.238	ug/l	67
68) m/p-Xylenes	11.843	106	22692	3.625	ug/l	94
69) o-Xylene	12.173	106	8583	1.441	ug/l	99
74) N-amyl acetate	12.255	43	10651	3.502	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.643	83	3572	1.949	ug/l	85
76) 1,2,3-Trichloropropane	12.620	75	113522	89.930	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	113522	164.965	ug/l #	18
86) p-Isopropyltoluene	13.502	119	16500	1.810	ug/l	88
95) Naphthalene	15.379	128	10600	2.251	ug/l #	82

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration

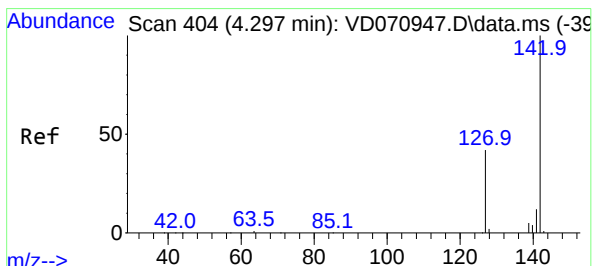
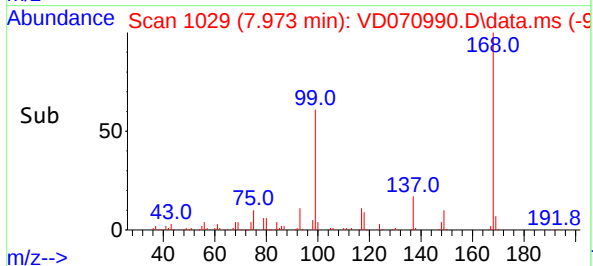
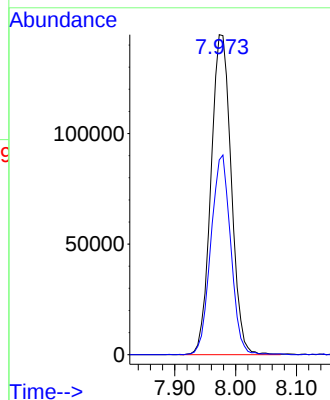
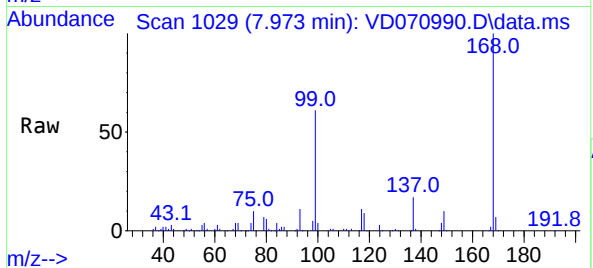




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

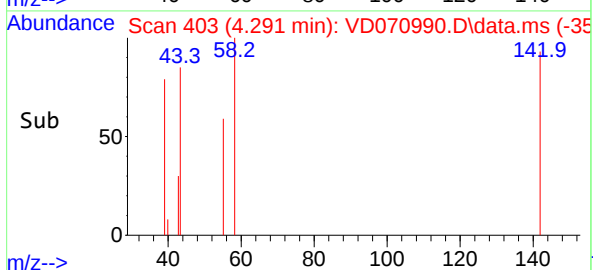
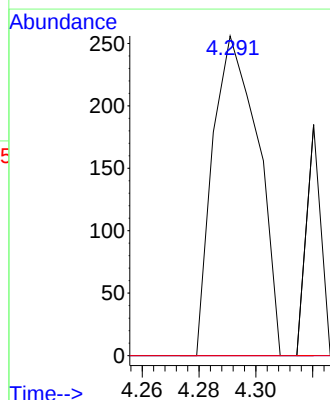
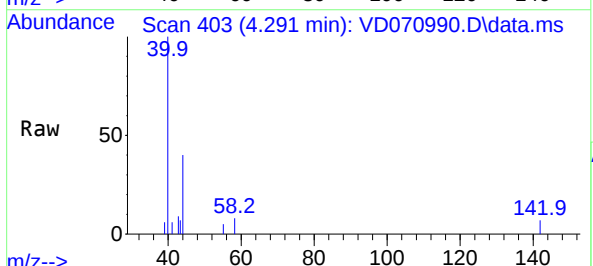
Instrument :
MSVOA_D
ClientSampleId :

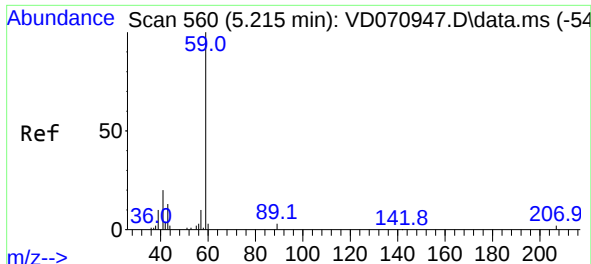
Tgt Ion:168 Resp: 334737
Ion Ratio Lower Upper
168 100
99 60.7 46.6 69.8



#10
Methyl Iodide
Concen: 6.086 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

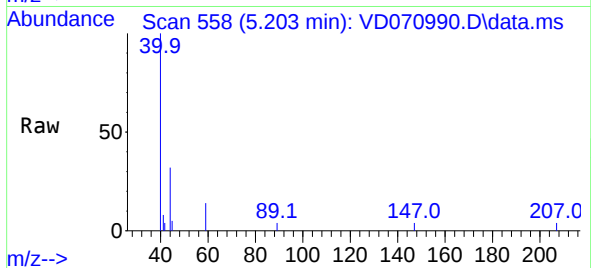
Tgt Ion:142 Resp: 282
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



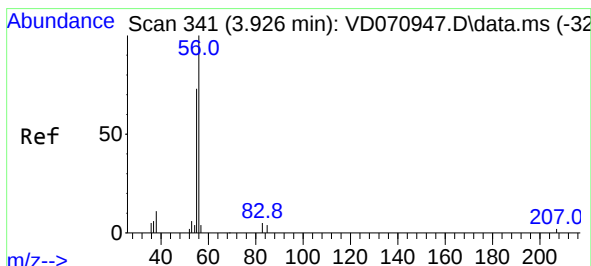
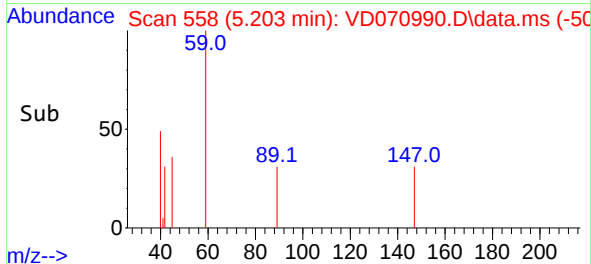
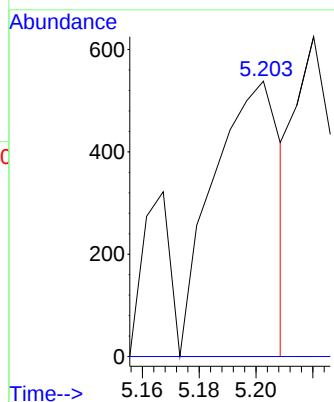


#11
Tert butyl alcohol
Concen: 3.394 ug/l
RT: 5.203 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

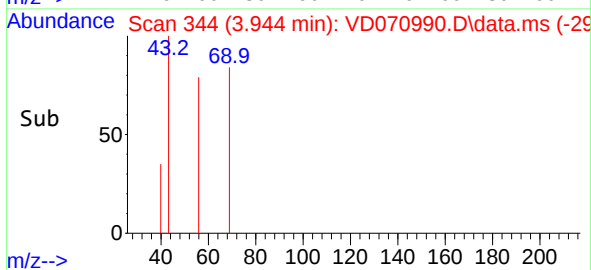
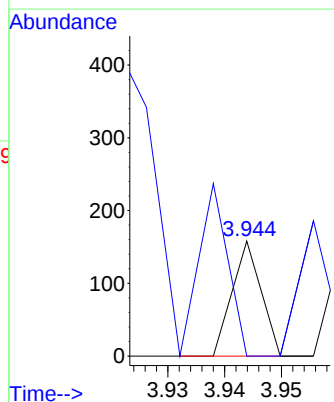
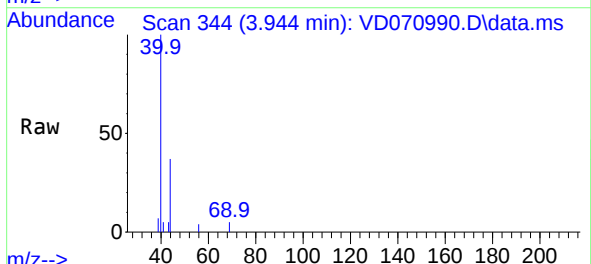


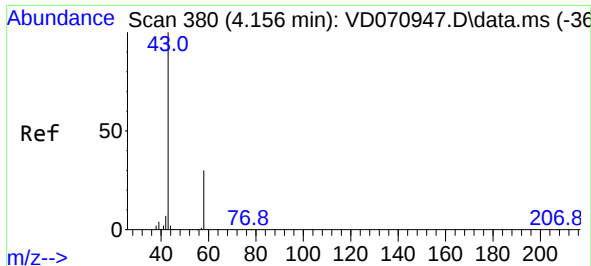
Tgt Ion: 59 Resp: 884
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: Below Cal
RT: 3.944 min Scan# 344
Delta R.T. 0.018 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

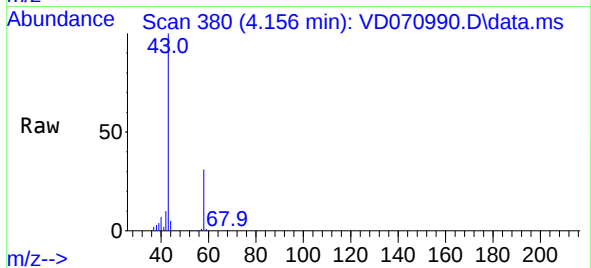
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



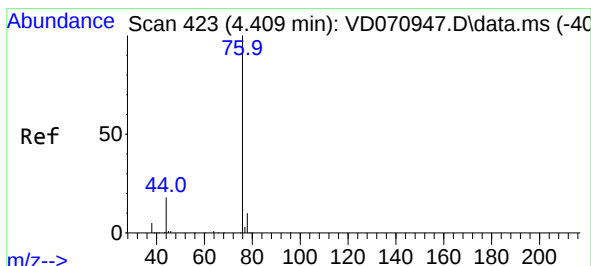
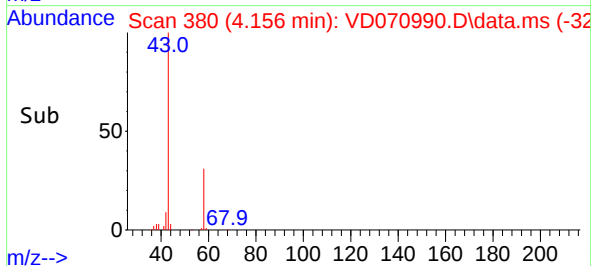
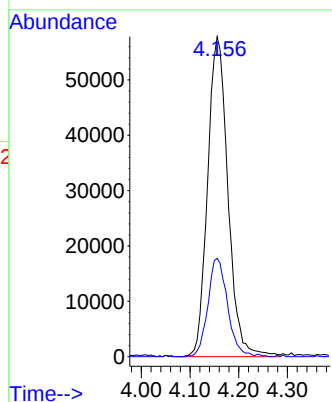


#16
Acetone
Concen: 180.123 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

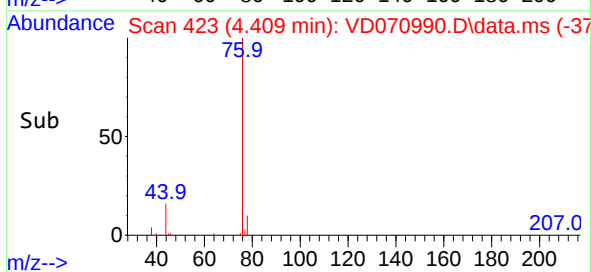
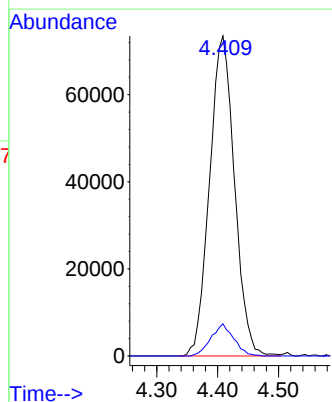
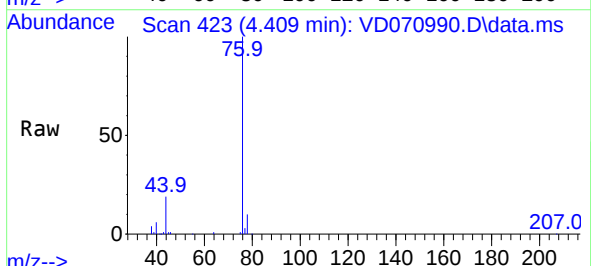


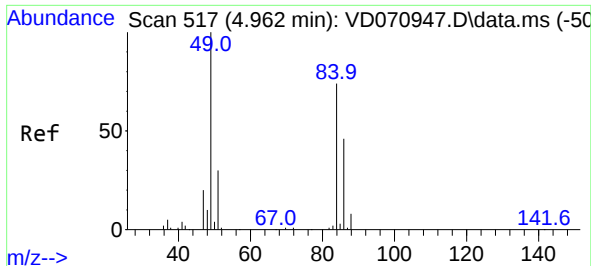
Tgt Ion: 43 Resp: 167578
Ion Ratio Lower Upper
43 100
58 30.8 27.8 41.8



#17
Carbon Disulfide
Concen: 20.379 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

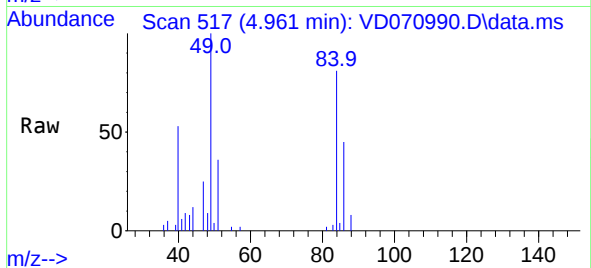
Tgt Ion: 76 Resp: 209161
Ion Ratio Lower Upper
76 100
78 10.0 7.8 11.8





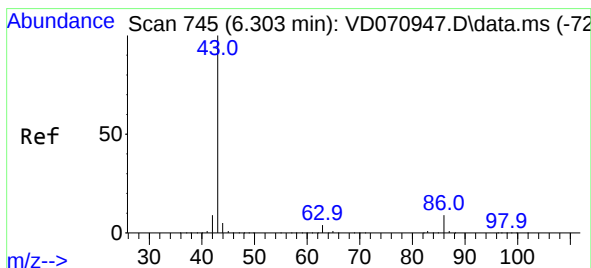
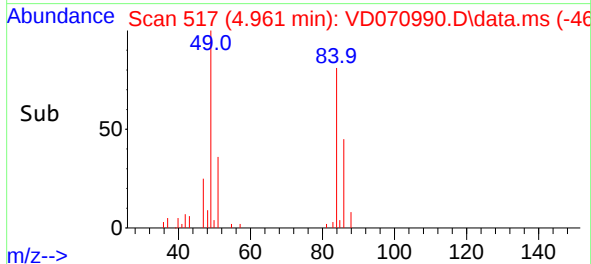
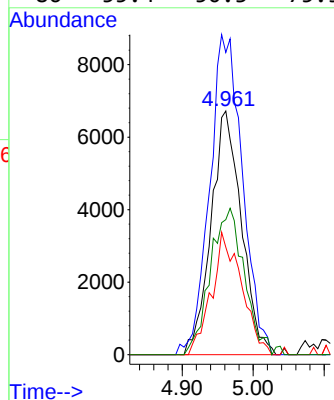
#20
Methylene Chloride
Concen: 4.552 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 20009

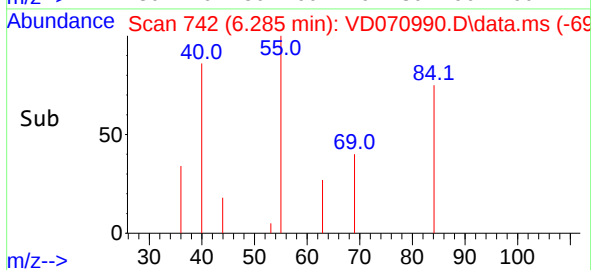
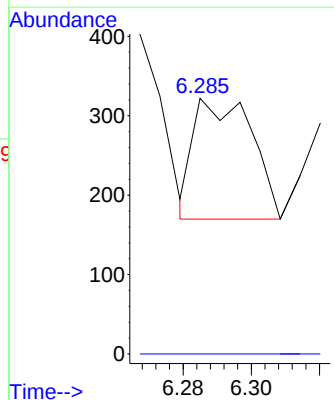
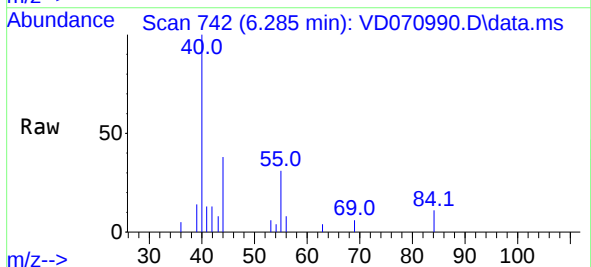
Ion	Ratio	Lower	Upper
84	100		
49	124.0	95.8	143.6
51	44.1	30.9	46.3
86	55.4	50.3	75.5

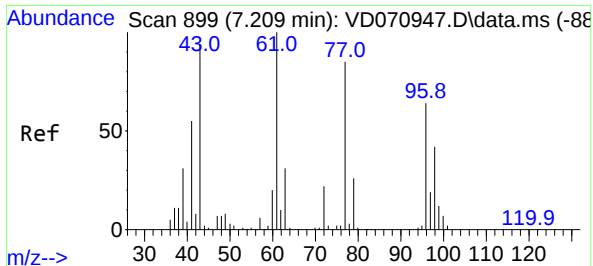


#23
Vinyl Acetate
Concen: 21.006 ug/l
RT: 6.285 min Scan# 742
Delta R.T. -0.018 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 43 Resp: 179

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

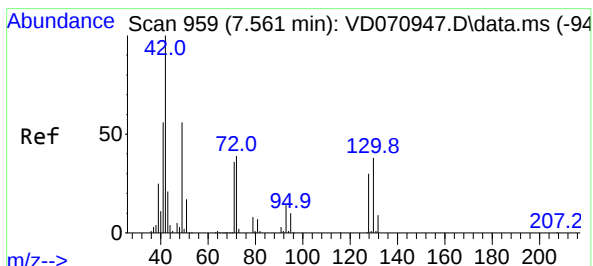
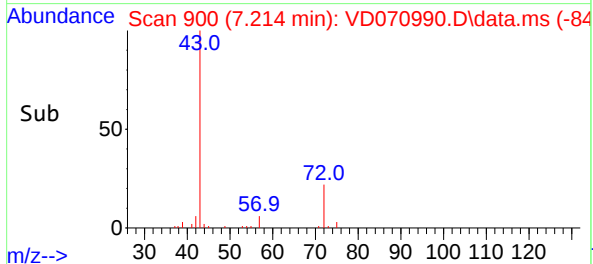
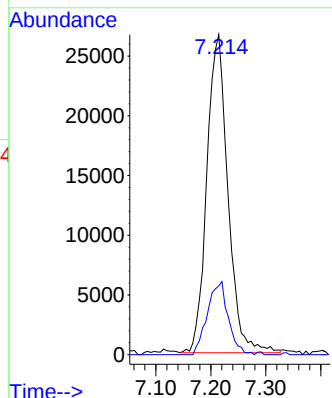
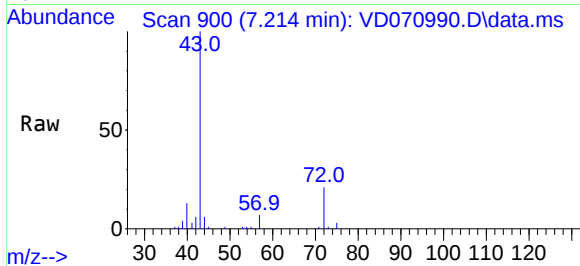




#25
2-Butanone
Concen: 72.946 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

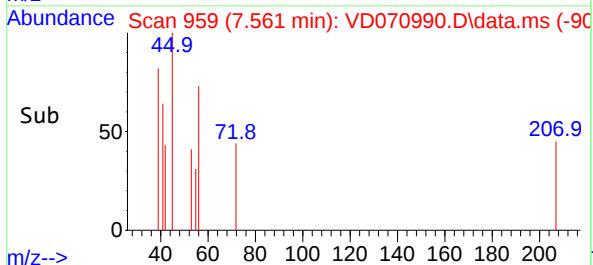
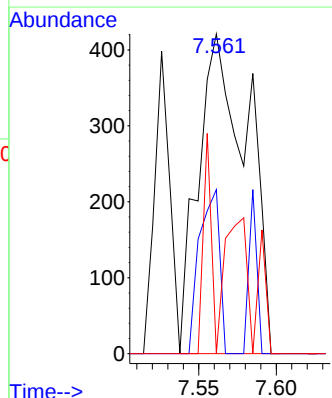
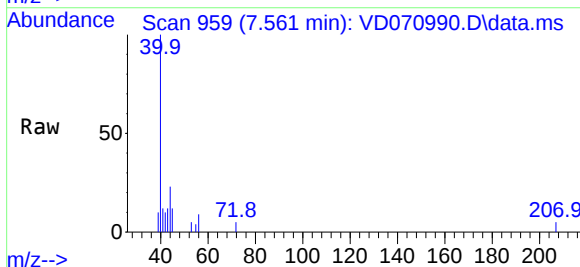
Instrument :
MSVOA_D
ClientSampleId :

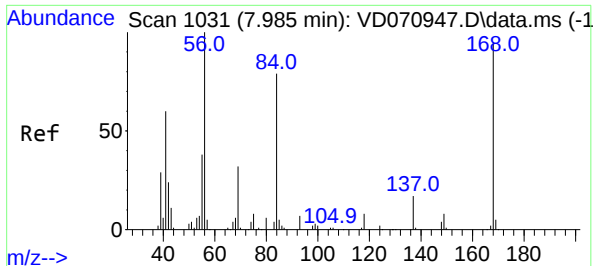
Tgt Ion: 43 Resp: 71197
Ion Ratio Lower Upper
43 100
72 21.6 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.280 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 42 Resp: 927
Ion Ratio Lower Upper
42 100
72 21.1 33.7 50.5#
71 11.0 32.7 49.1#





#31

Cyclohexane

Concen: 2.567 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070990.D

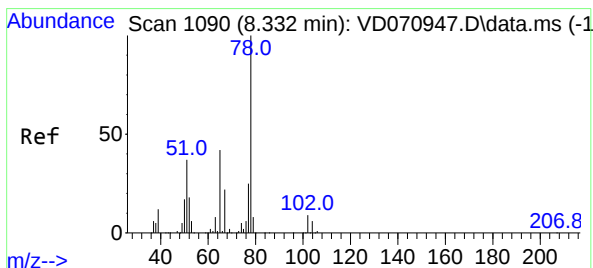
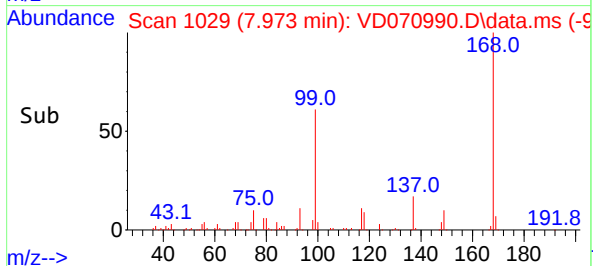
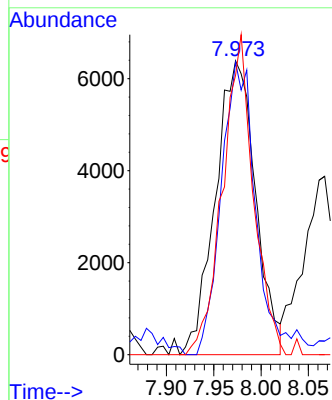
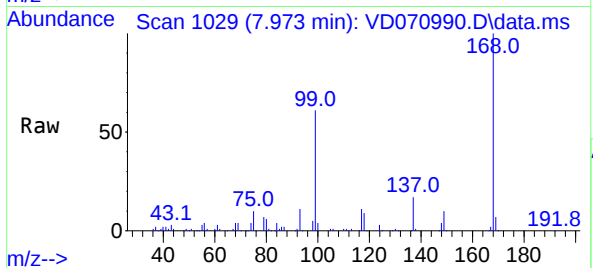
Acq: 11 Nov 2021 14:32

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	56	Resp:	18814
Ion	Ratio	Lower	Upper
56	100		
69	96.8	25.9	38.9#
84	95.1	64.3	96.5



#33

1,2-Dichloroethane-d4

Concen: 60.432 ug/l

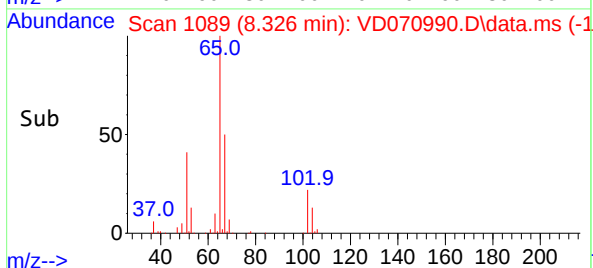
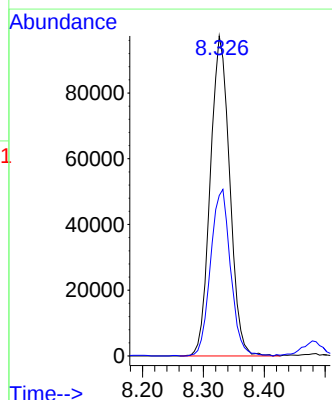
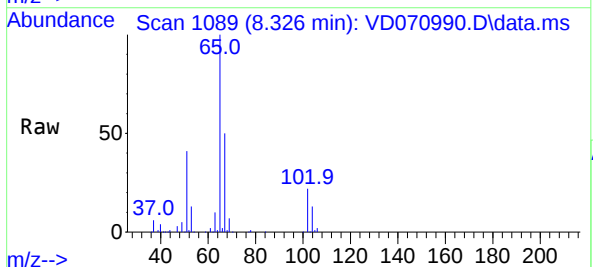
RT: 8.326 min Scan# 1089

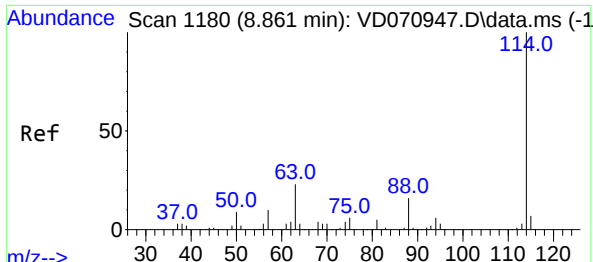
Delta R.T. -0.006 min

Lab File: VD070990.D

Acq: 11 Nov 2021 14:32

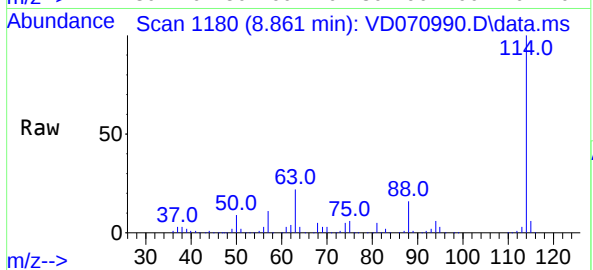
Tgt Ion:	65	Resp:	215377
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	112.2



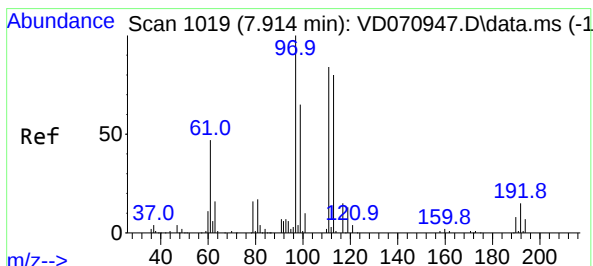
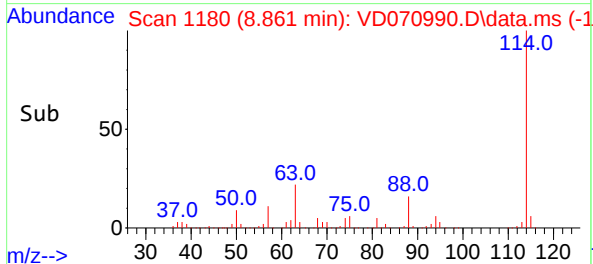
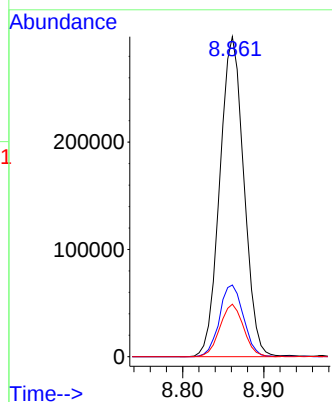


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

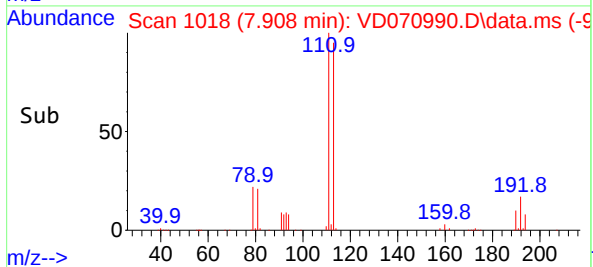
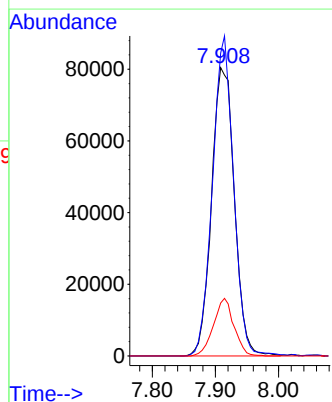
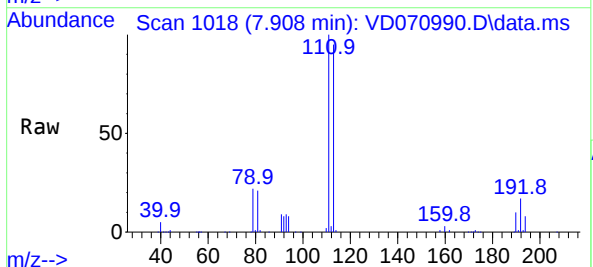


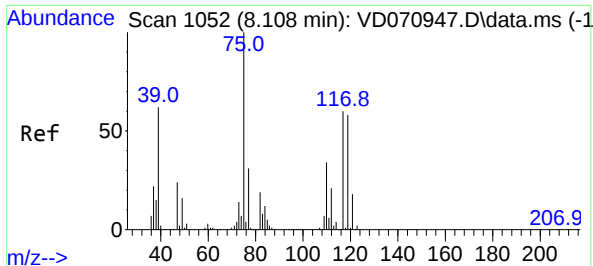
Tgt Ion:114 Resp: 614342
Ion Ratio Lower Upper
114 100
63 22.4 0.0 41.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 58.332 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion:113 Resp: 202214
Ion Ratio Lower Upper
113 100
111 102.8 82.0 123.0
192 17.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.387 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD070990.D

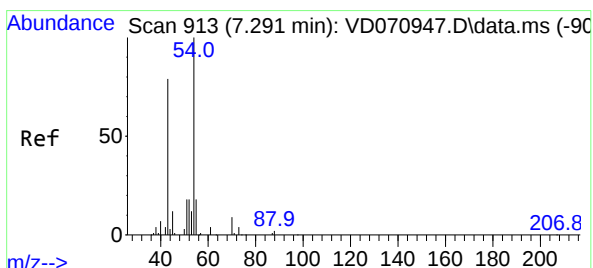
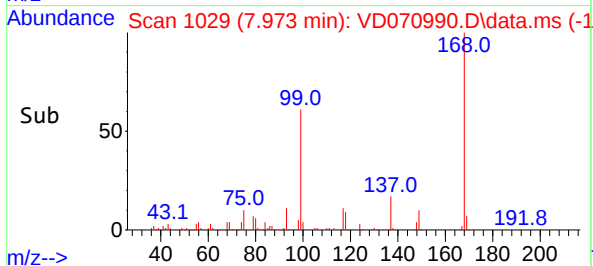
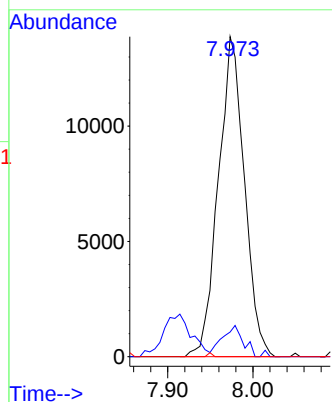
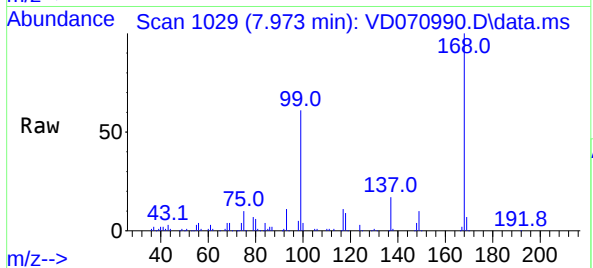
Acq: 11 Nov 2021 14:32

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	29546
Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.8	53.4#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 28.450 ug/l

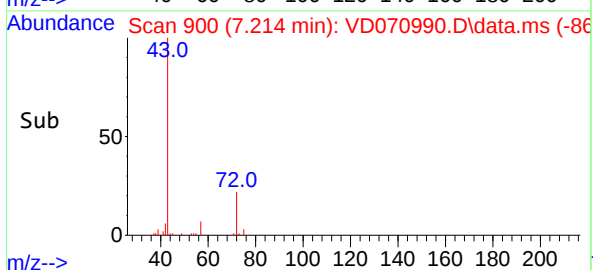
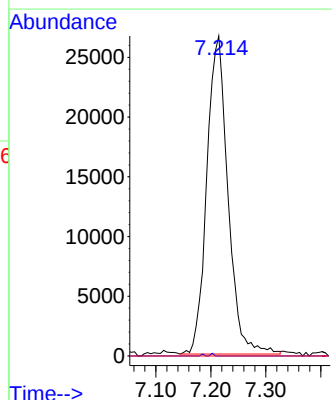
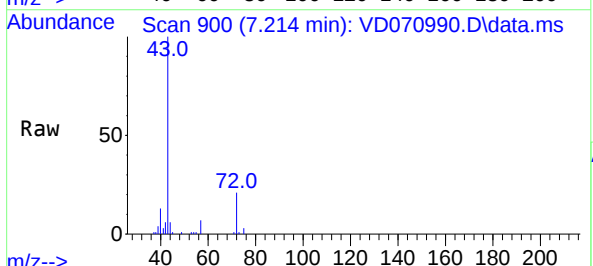
RT: 7.214 min Scan# 900

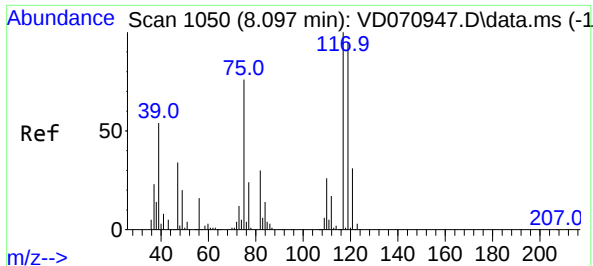
Delta R.T. -0.077 min

Lab File: VD070990.D

Acq: 11 Nov 2021 14:32

Tgt Ion:	43	Resp:	71197
Ion	Ratio	Lower	Upper
43	100		
61	0.1	13.0	19.6#
70	0.0	8.7	13.1#





#38

Carbon Tetrachloride

Concen: 7.202 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

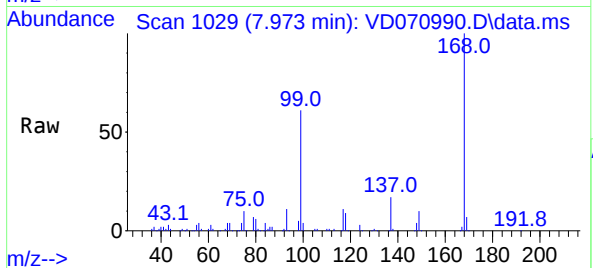
Lab File: VD070990.D

Acq: 11 Nov 2021 14:32

Instrument :

MSVOA_D

ClientSampleId :



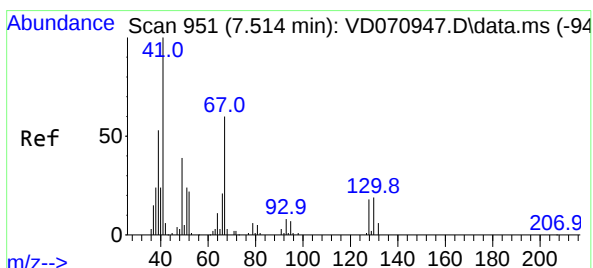
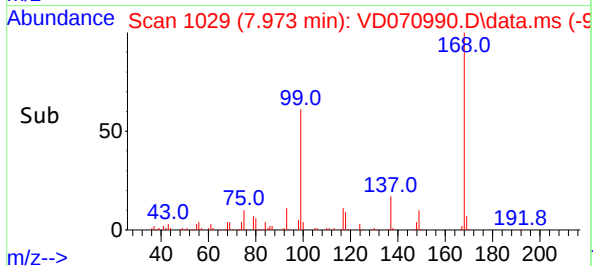
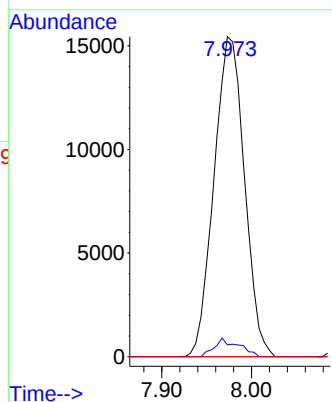
Tgt Ion:117 Resp: 36377

Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.6#

121 0.0 23.6 35.4#



#41

Methacrylonitrile

Concen: 3.674 ug/l

RT: 7.491 min Scan# 947

Delta R.T. -0.023 min

Lab File: VD070990.D

Acq: 11 Nov 2021 14:32

Tgt Ion: 41 Resp: 333

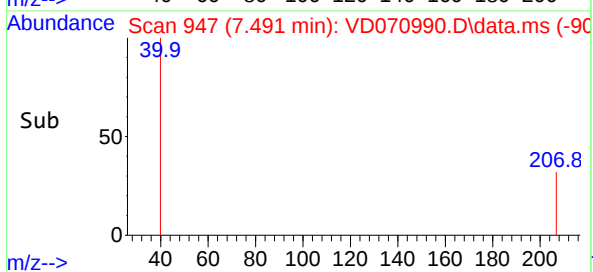
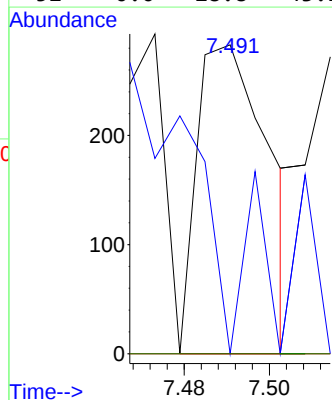
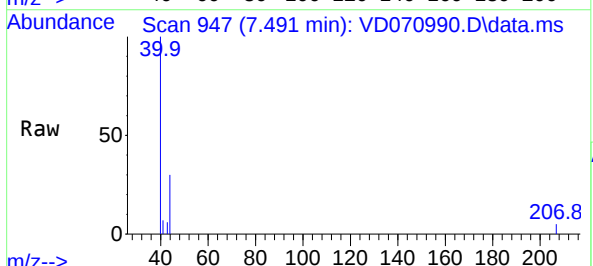
Ion Ratio Lower Upper

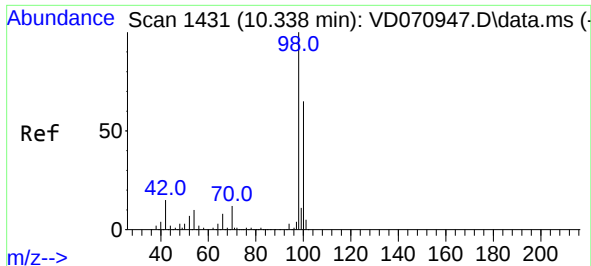
41 100

39 0.0 60.2 90.4#

67 0.0 74.8 112.2#

52 0.0 28.8 43.2#

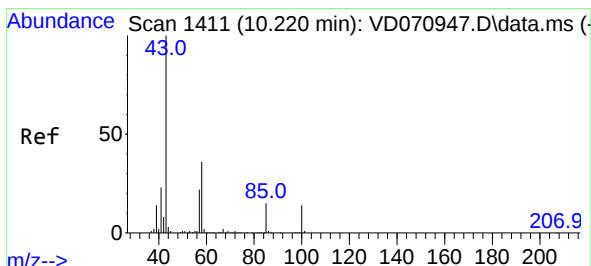
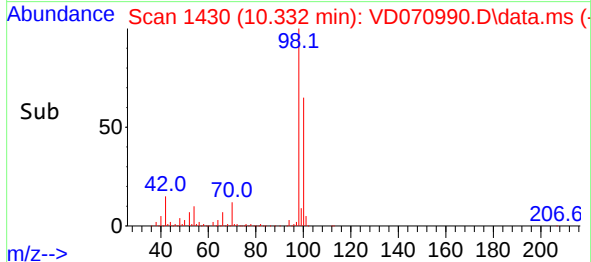
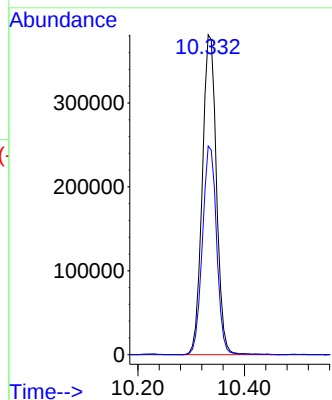
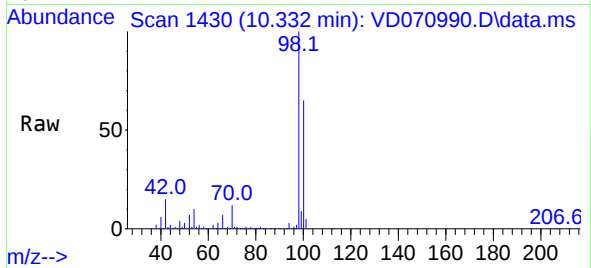




#50
Toluene-d8
Concen: 51.652 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

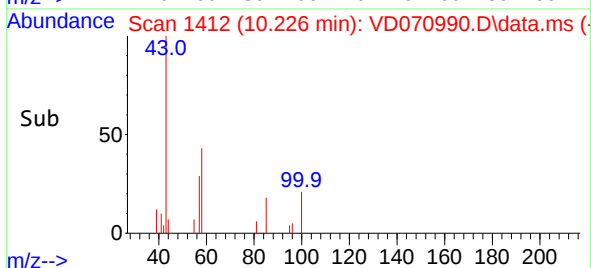
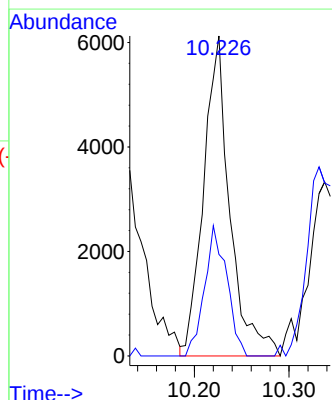
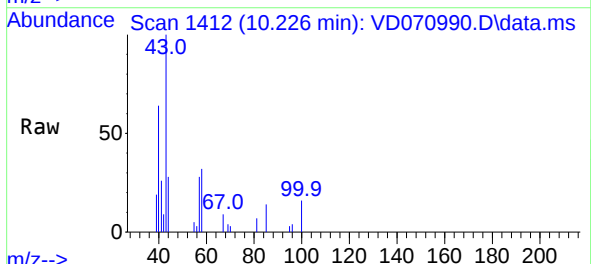
Instrument :
MSVOA_D
ClientSampleId :

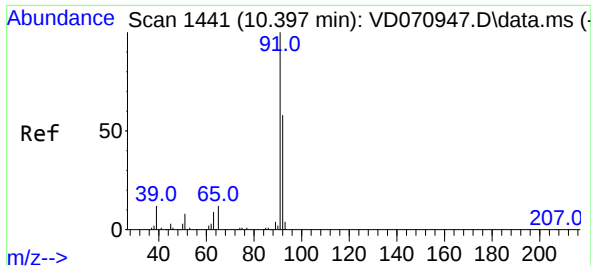
Tgt Ion: 98 Resp: 701228
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 4.595 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 43 Resp: 11798
Ion Ratio Lower Upper
43 100
58 34.5 33.1 49.7

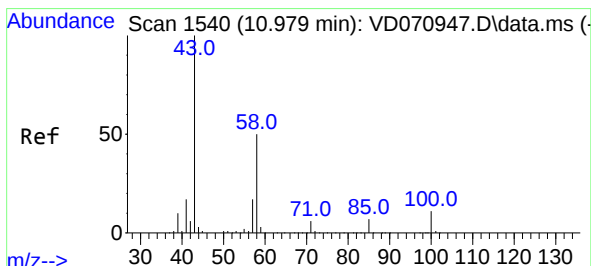
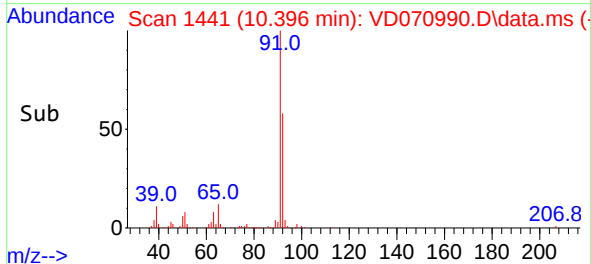
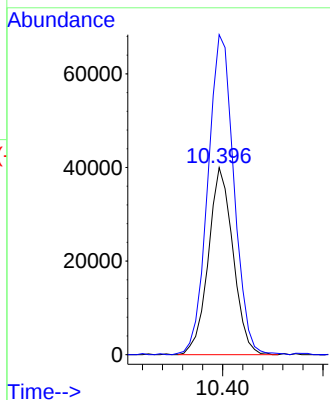
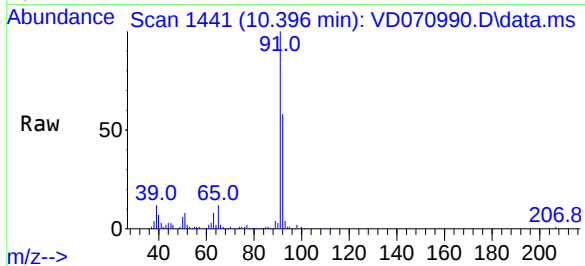




#52
Toluene
Concen: 7.031 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.001 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

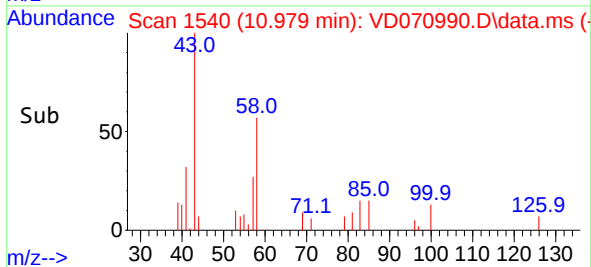
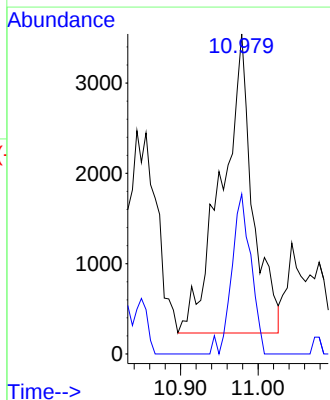
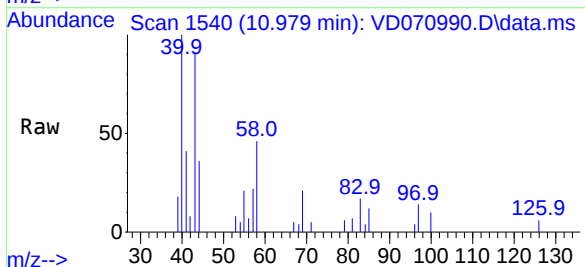
Instrument :
MSVOA_D
ClientSampleId :

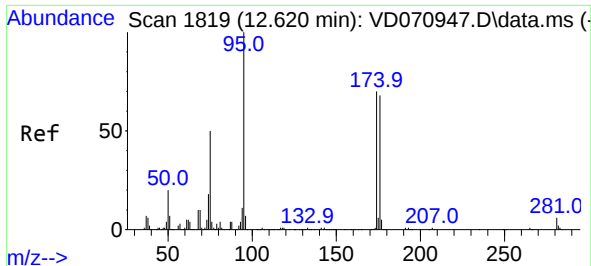
Tgt Ion: 92 Resp: 68459
Ion Ratio Lower Upper
92 100
91 180.7 140.7 211.1



#59
2-Hexanone
Concen: 20.238 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

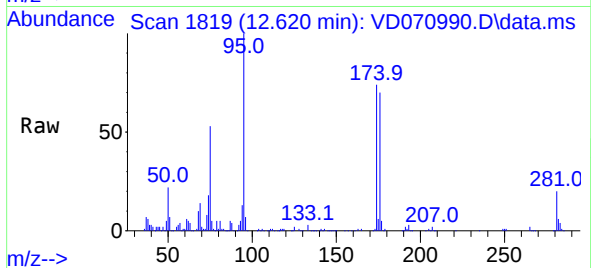
Tgt Ion: 43 Resp: 9228
Ion Ratio Lower Upper
43 100
58 33.0 28.7 86.1



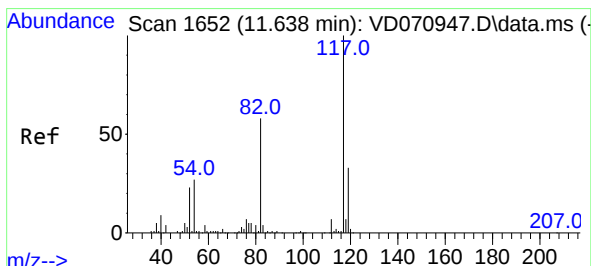
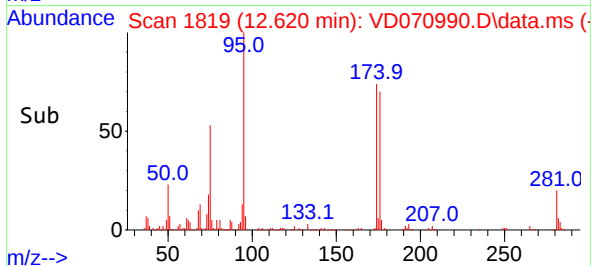
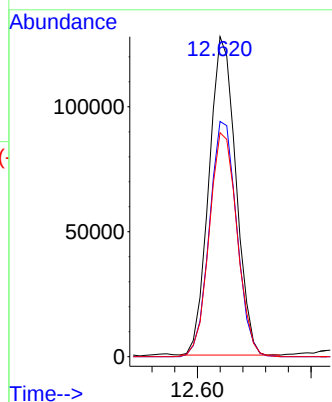


#62
4-Bromofluorobenzene
Concen: 42.827 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

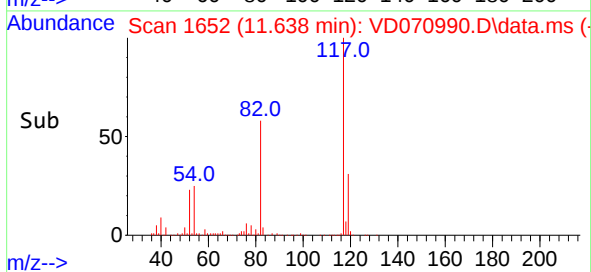
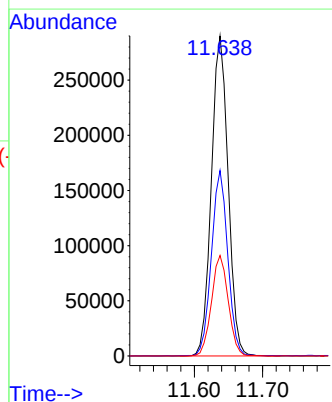
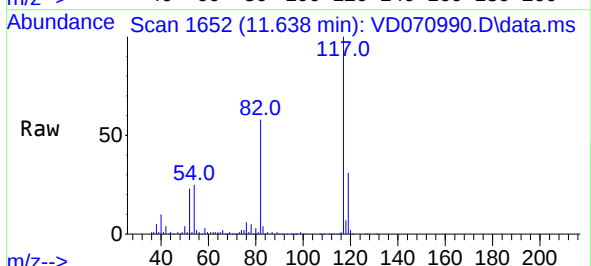


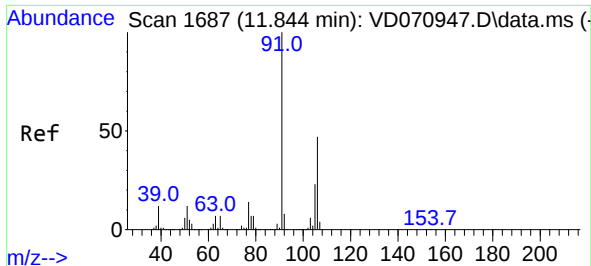
Tgt Ion: 95 Resp: 209346
Ion Ratio Lower Upper
95 100
174 74.9 0.0 159.4
176 72.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 117 Resp: 495712
Ion Ratio Lower Upper
117 100
82 57.8 44.7 67.1
119 31.4 26.2 39.4

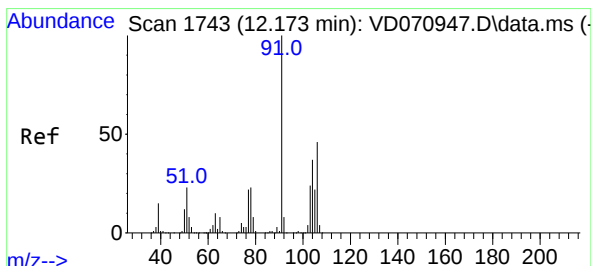
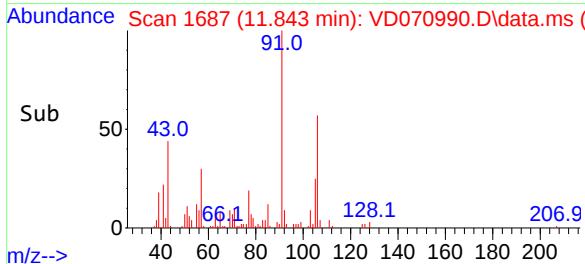
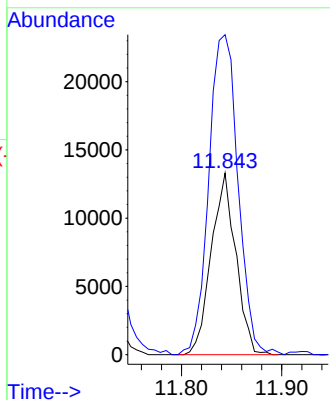
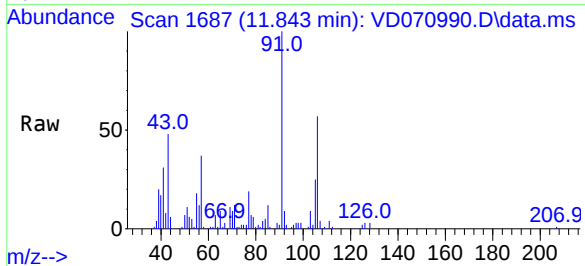




#68
m/p-Xylenes
Concen: 3.625 ug/l
RT: 11.843 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

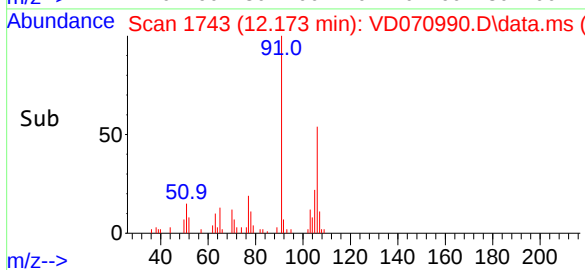
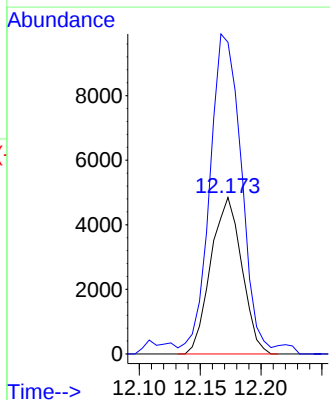
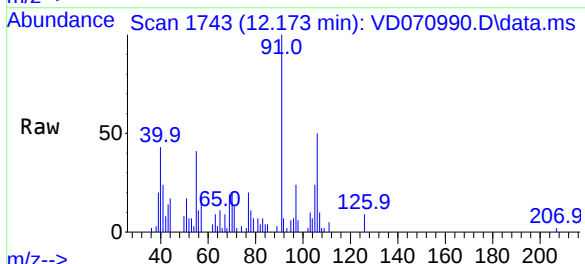
Instrument :
MSVOA_D
ClientSampleId :

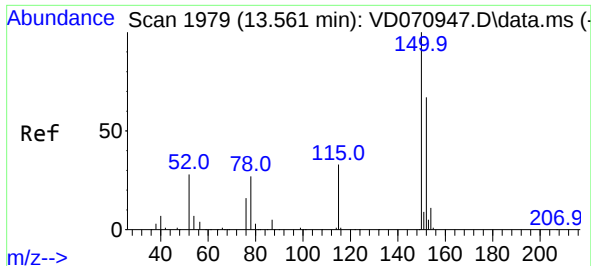
Tgt Ion:106 Resp: 22692
Ion Ratio Lower Upper
106 100
91 209.3 160.1 240.1



#69
o-Xylene
Concen: 1.441 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

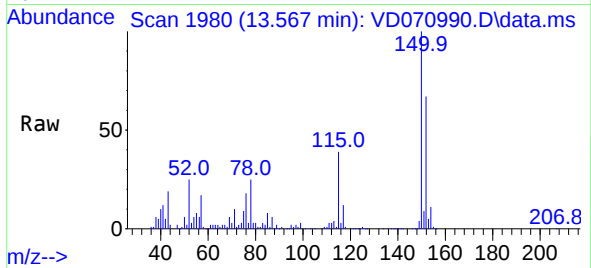
Tgt Ion:106 Resp: 8583
Ion Ratio Lower Upper
106 100
91 211.4 106.3 319.0



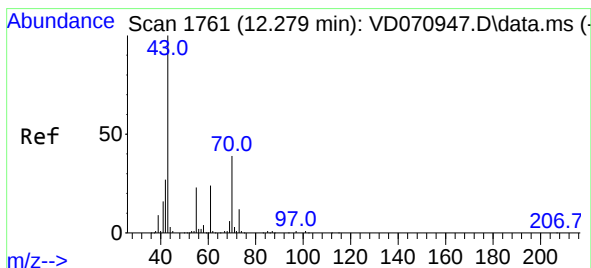
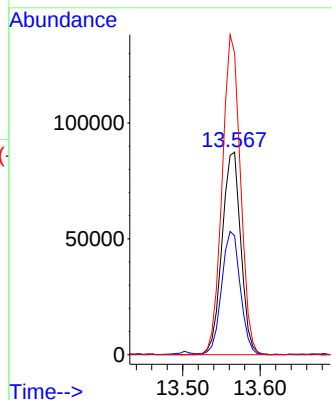
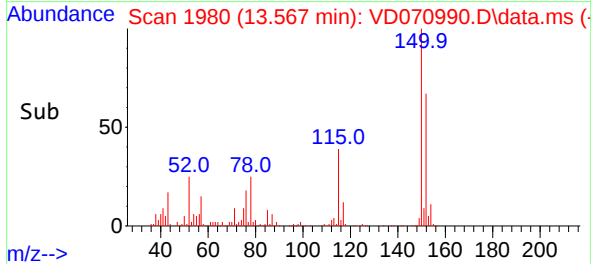


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

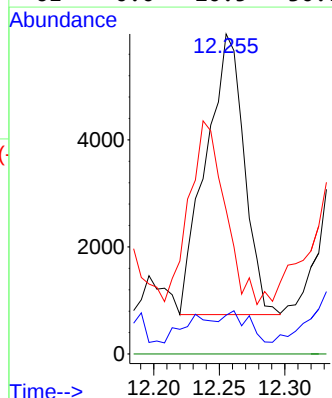
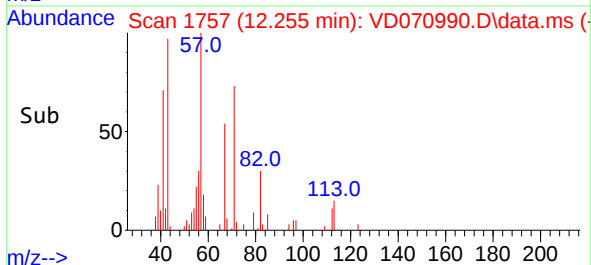
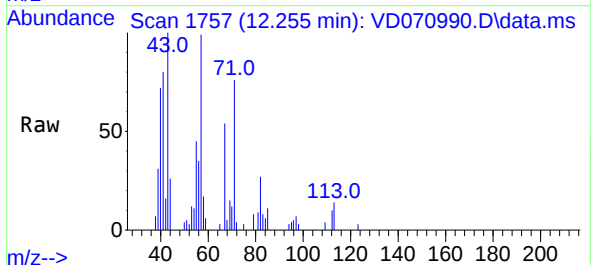


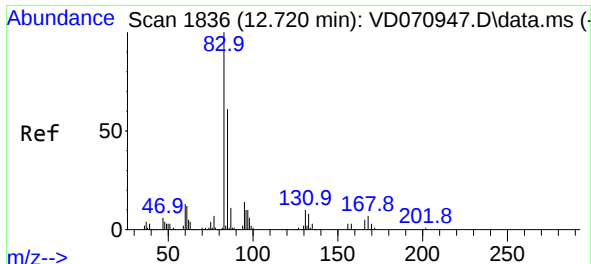
Tgt Ion:152 Resp: 147780
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 153.0 0.0 349.2



#74
N-ethyl acetate
Concen: 3.502 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 43 Resp: 10651
Ion Ratio Lower Upper
43 100
70 6.9 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

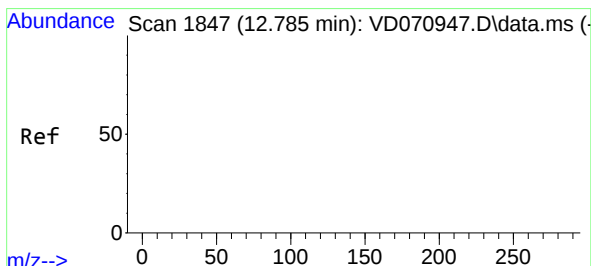
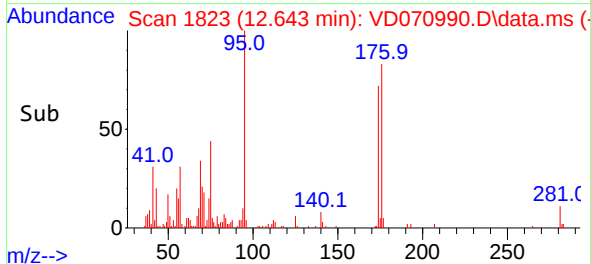
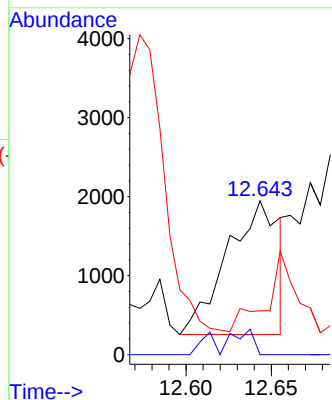
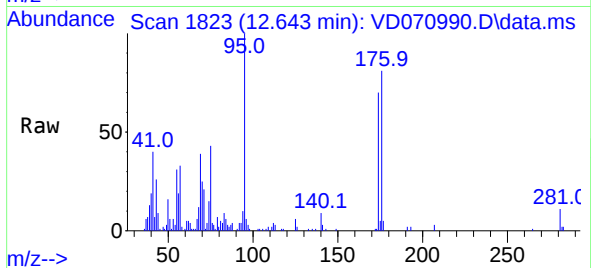




#75
1,1,2,2-Tetrachloroethane
Concen: 1.949 ug/l
RT: 12.643 min Scan# 1819
Delta R.T. -0.077 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

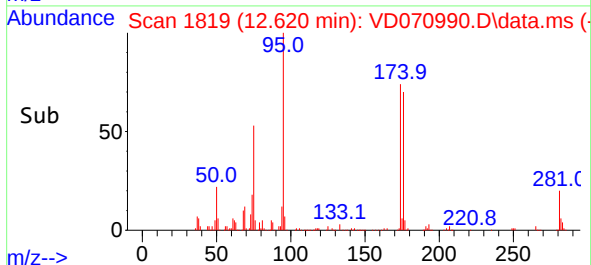
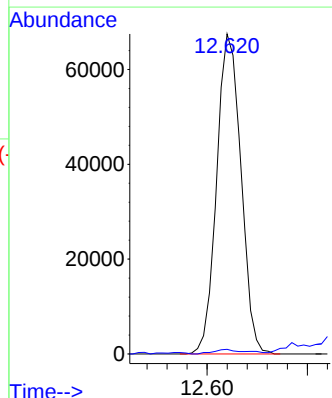
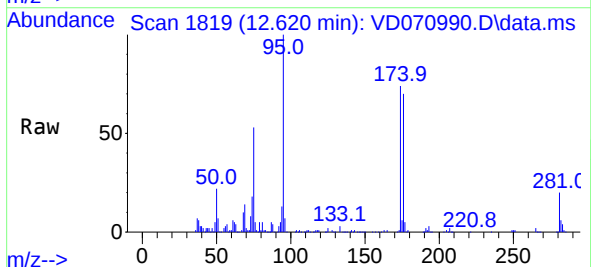
Instrument :
MSVOA_D
ClientSampleId :

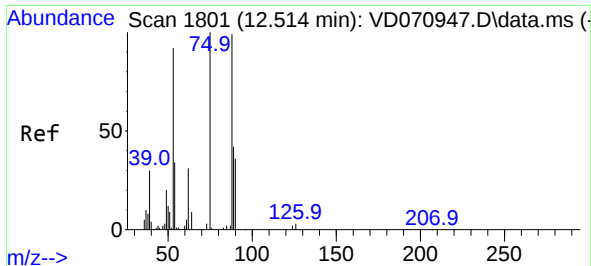
Tgt Ion: 83 Resp: 3572
Ion Ratio Lower Upper
83 100
131 7.8 4.9 14.7
85 51.3 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 89.930 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

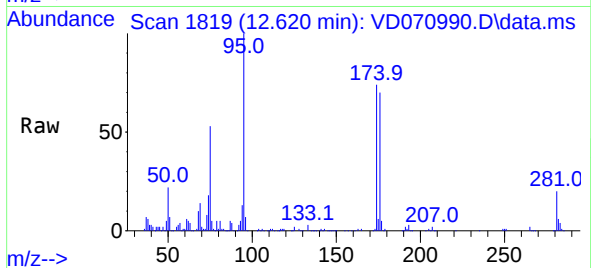
Tgt Ion: 75 Resp: 113522
Ion Ratio Lower Upper
75 100
77 2.0 158.4 475.3#



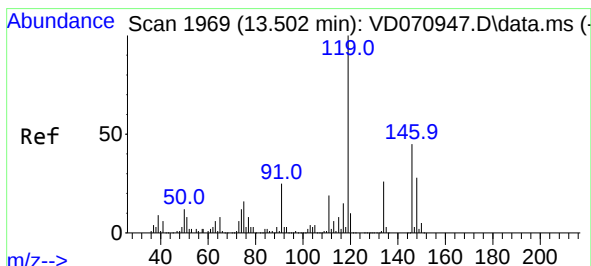
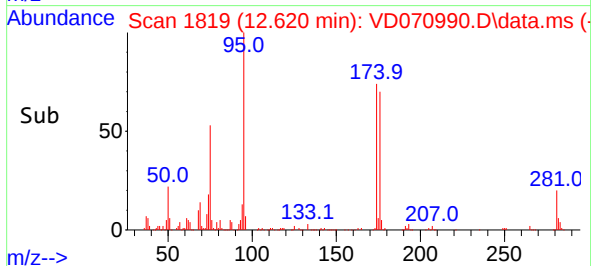
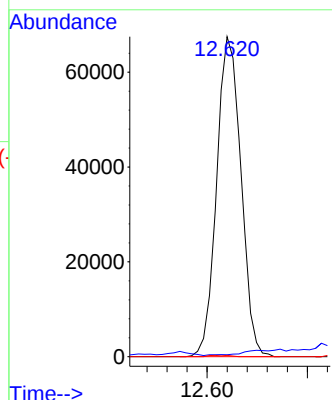


#81
trans-1,4-Dichloro-2-butene
Concen: 164.965 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

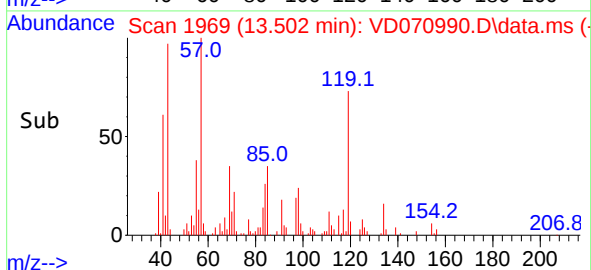
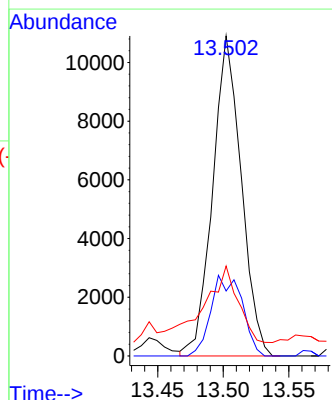
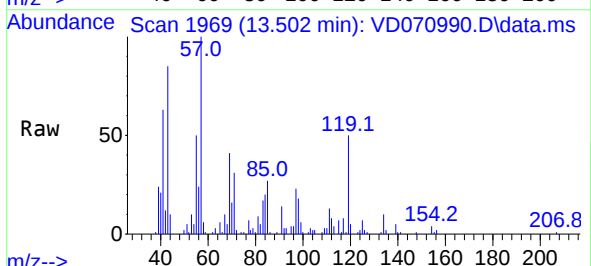


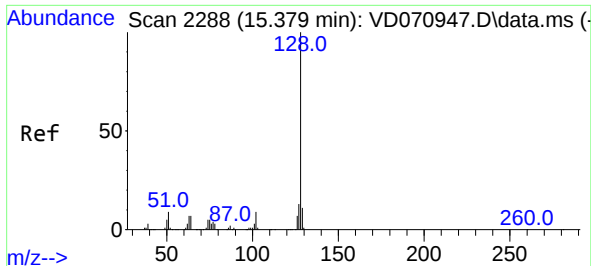
Tgt Ion: 75 Resp: 113522
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.3 34.5 51.7#



#86
p-Isopropyltoluene
Concen: 1.810 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion:119 Resp: 16500
Ion Ratio Lower Upper
119 100
134 27.5 13.0 38.9
91 33.7 11.4 34.2





#95

Naphthalene

Concen: 2.251 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.000 min

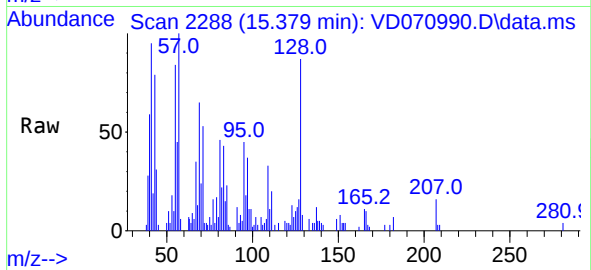
Lab File: VD070990.D

Acq: 11 Nov 2021 14:32

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	128	Resp:	10600
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	10.9	8.7	13.1

