

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071024.D
 Acq On : 15 Nov 2021 12:57
 Operator : VA/SY
 Sample : M4612-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 15 14:37:44 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	7.985	168	20096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	35181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	34693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	16057	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	15569	72.765	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.520%	
35) Dibromofluoromethane	7.914	113	10835	54.579	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.160%	
50) Toluene-d8	10.338	98	42046	54.082	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.160%	
62) 4-Bromofluorobenzene	12.620	95	16575	59.211	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.420%	

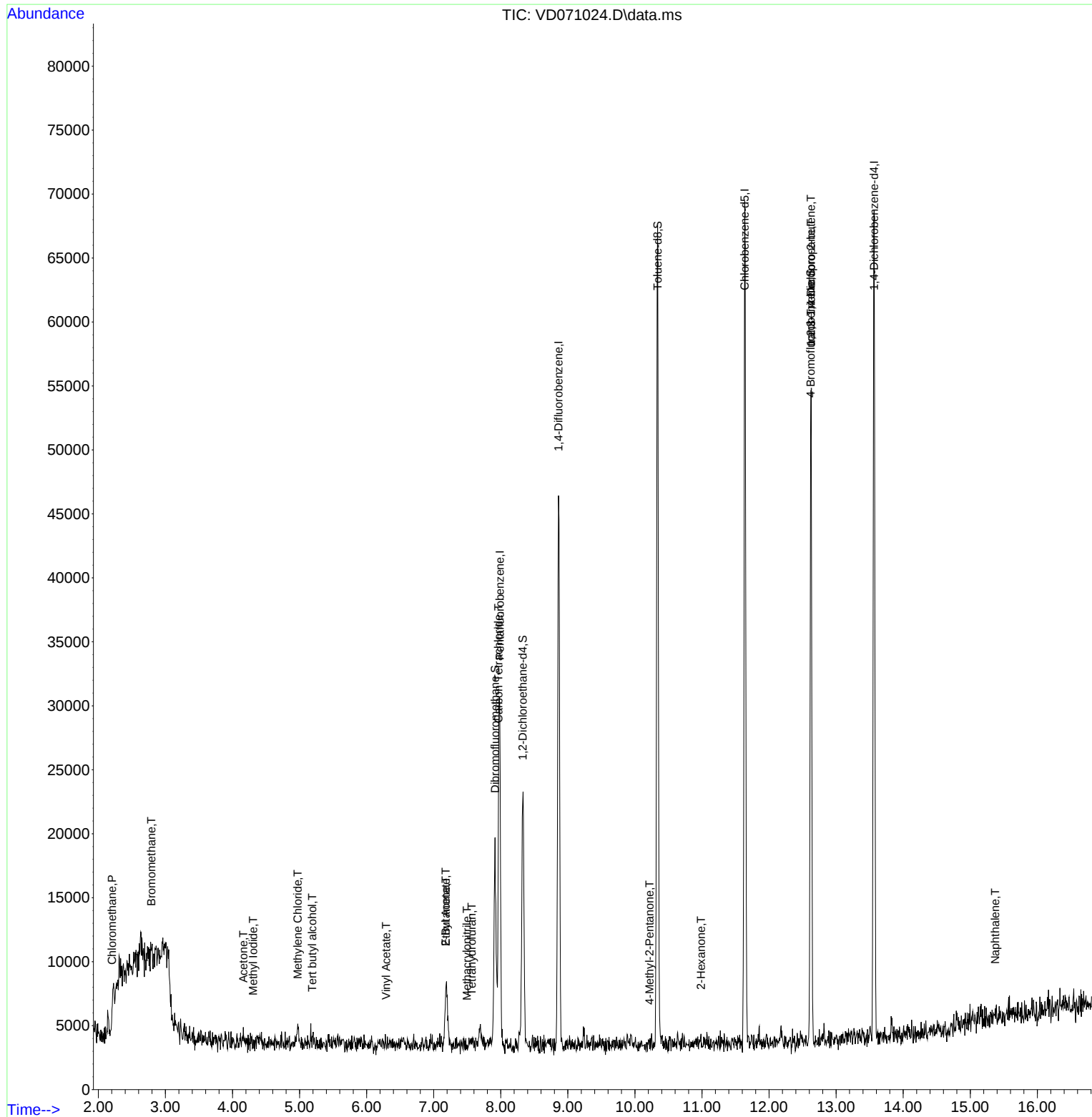
Target Compounds			Qvalue			
3) Chloromethane	2.203	50	331	1.620	ug/l #	42
5) Bromomethane	2.791	94	569	4.249	ug/l	94
10) Methyl Iodide	4.309	142	126	6.497	ug/l #	40
11) Tert butyl alcohol	5.191	59	193	12.342	ug/l #	71
16) Acetone	4.162	43	746	31.684	ug/l #	40
20) Methylene Chloride	4.973	84	564	1.910	ug/l #	76
23) Vinyl Acetate	6.291	43	56	21.104	ug/l #	72
25) 2-Butanone	7.179	43	489	26.382	ug/l #	45
29) Tetrahydrofuran	7.567	42	155	3.565	ug/l #	34
37) Ethyl Acetate	7.179	43	489	3.412	ug/l #	66
38) Carbon Tetrachloride	7.967	117	2055	7.104	ug/l #	12
41) Methacrylonitrile	7.497	41	60	4.034	ug/l #	12
51) 4-Methyl-2-Pentanone	10.220	43	457	3.108	ug/l #	34
59) 2-Hexanone	10.985	43	447	19.574	ug/l #	43
76) 1,2,3-Trichloropropane	12.626	75	9061	66.062	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	9061	122.073	ug/l #	18
95) Naphthalene	15.373	128	657	1.284	ug/l #	81

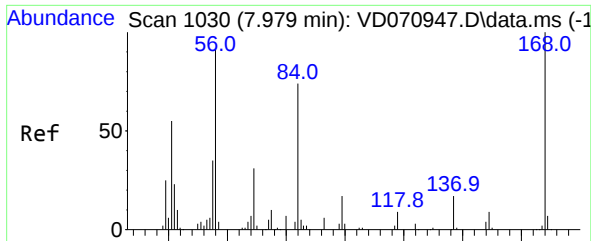
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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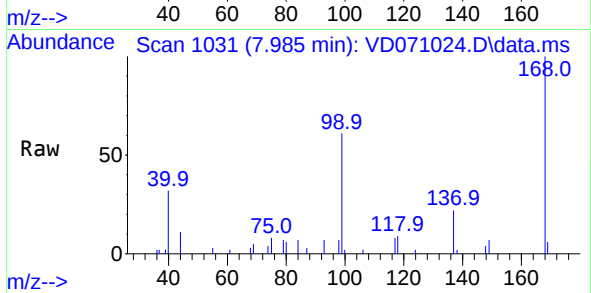
Quant Time: Nov 15 14:37:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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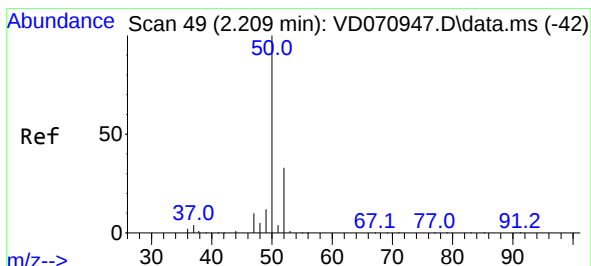
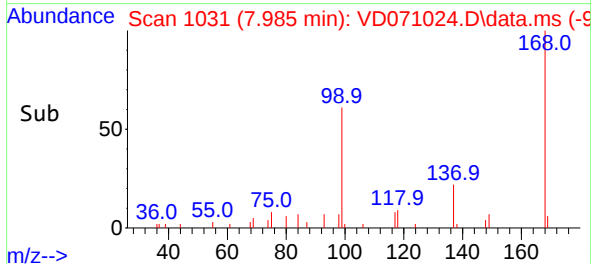
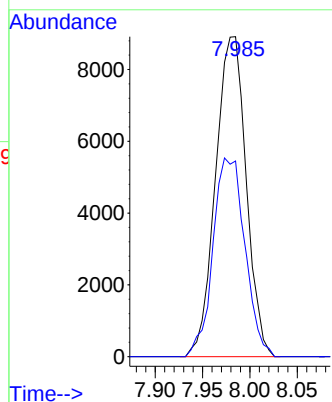


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Instrument :
MSVOA_D
ClientSampleId :

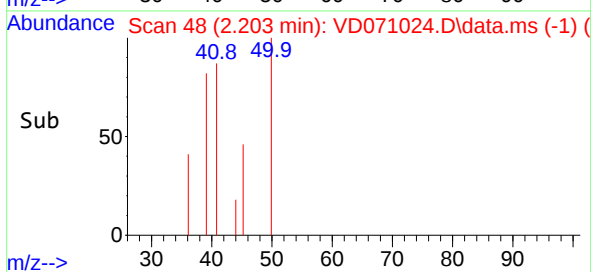
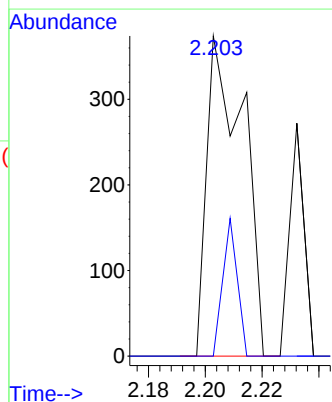
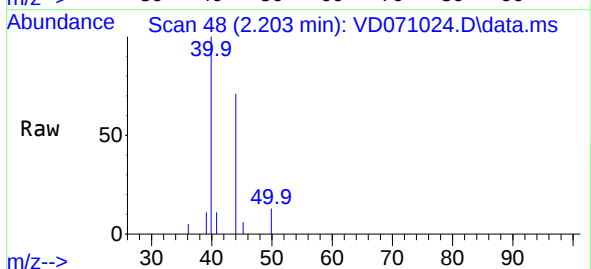


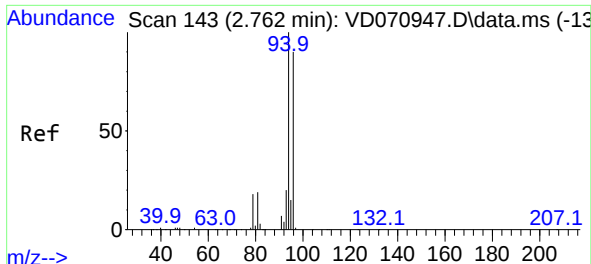
Tgt Ion:168 Resp: 20096
Ion Ratio Lower Upper
168 100
99 61.2 46.6 69.8



#3
Chloromethane
Concen: 1.620 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

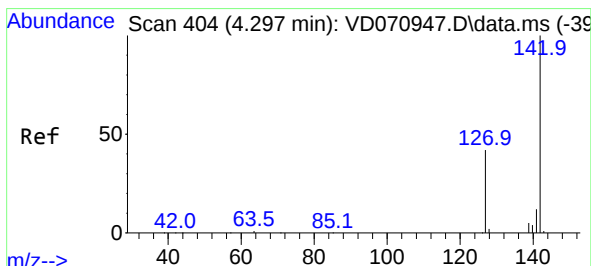
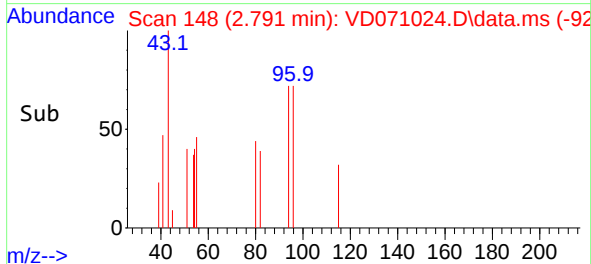
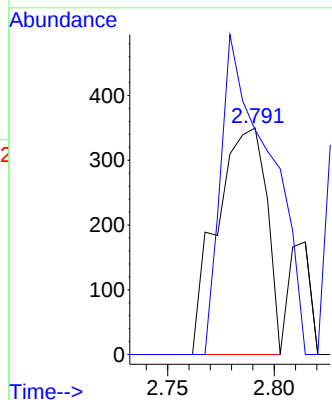
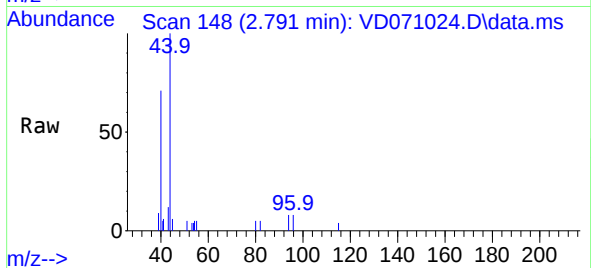




#5
Bromomethane
Concen: 4.249 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.029 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

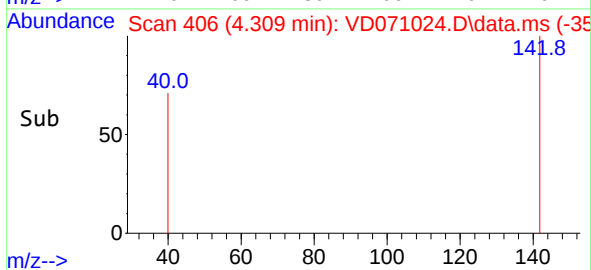
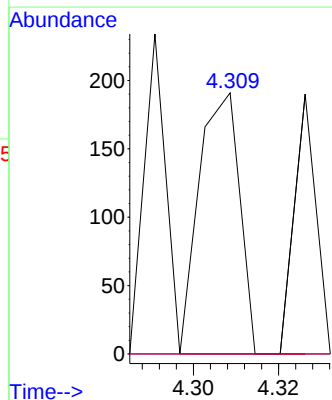
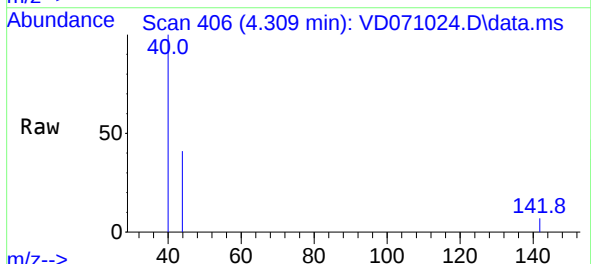
Instrument :
MSVOA_D
ClientSampleId :

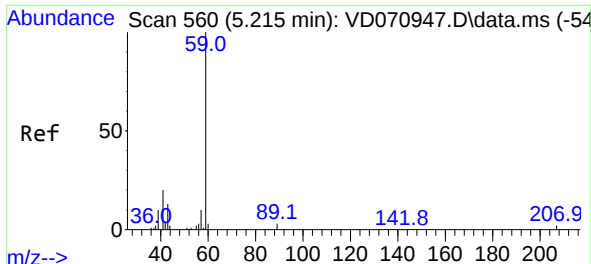
Tgt Ion: 94 Resp: 569
Ion Ratio Lower Upper
94 100
96 99.1 74.8 112.2



#10
Methyl Iodide
Concen: 6.497 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

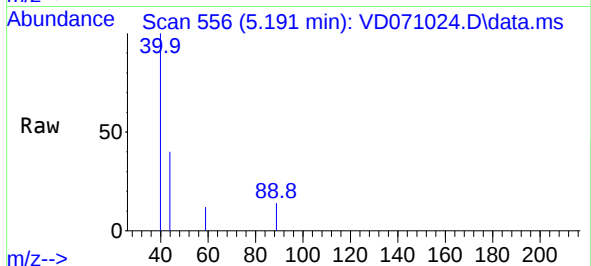
Tgt Ion: 142 Resp: 126
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



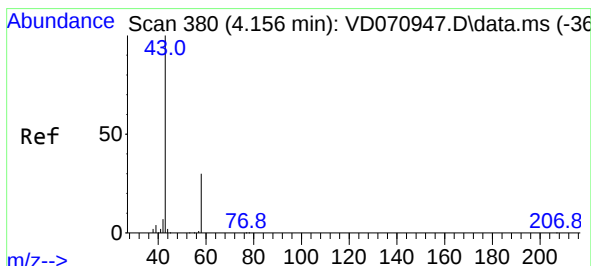
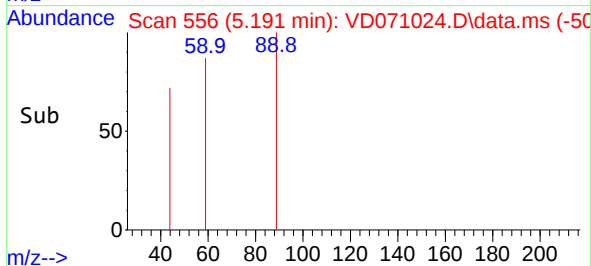
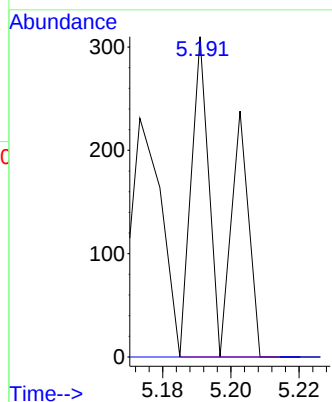


#11
Tert butyl alcohol
Concen: 12.342 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Instrument :
MSVOA_D
ClientSampleId :

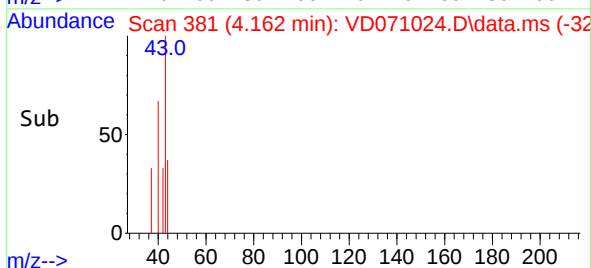
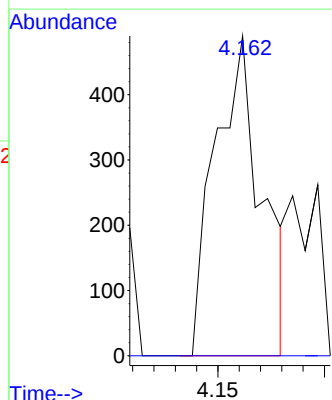
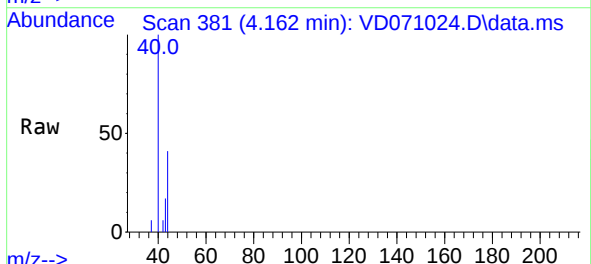


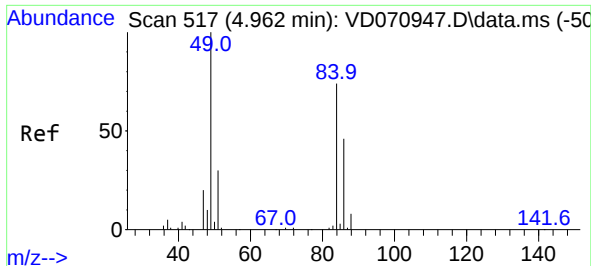
Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 31.684 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

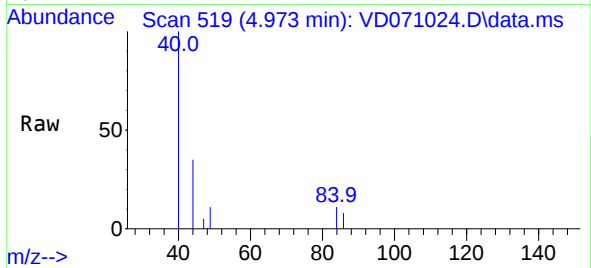
Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



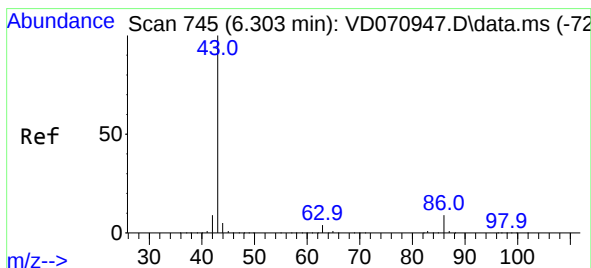
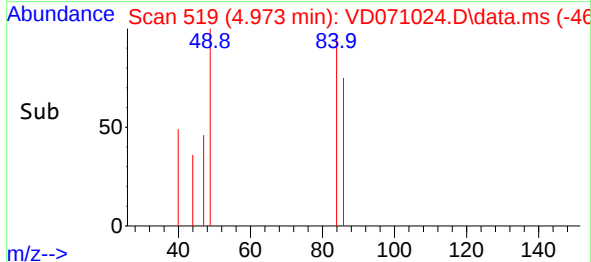
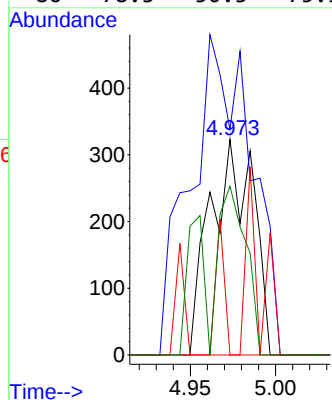


#20
Methylene Chloride
Concen: 1.910 ug/l
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Instrument :
MSVOA_D
ClientSampleId :

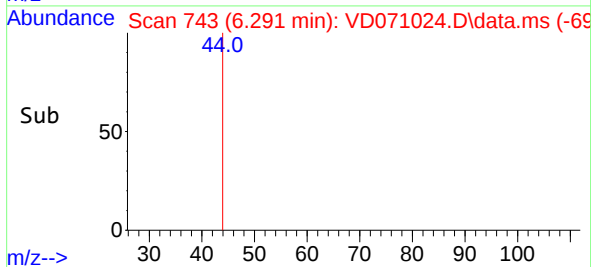
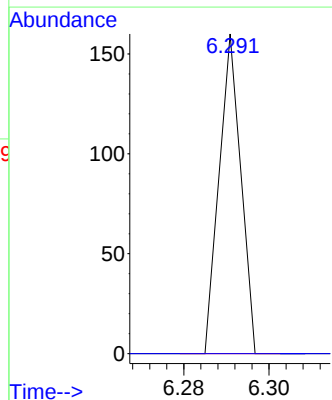
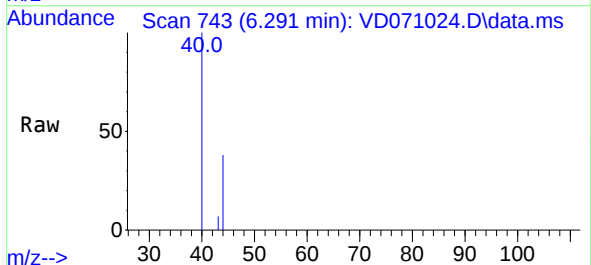


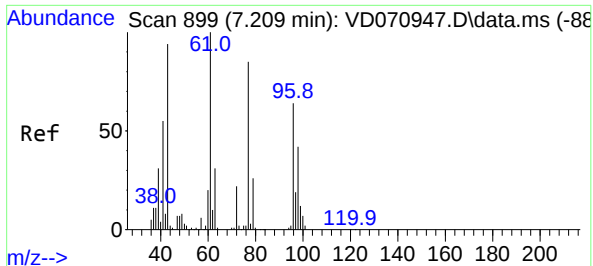
Tgt Ion: 84 Resp: 564
Ion Ratio Lower Upper
84 100
49 104.6 95.8 143.6
51 0.0 30.9 46.3#
86 78.3 50.3 75.5#



#23
Vinyl Acetate
Concen: 21.104 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.012 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

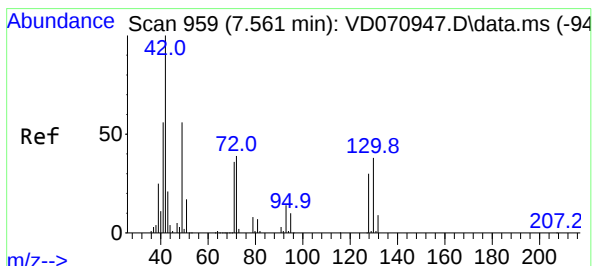
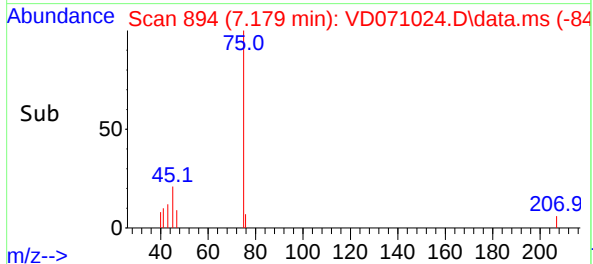
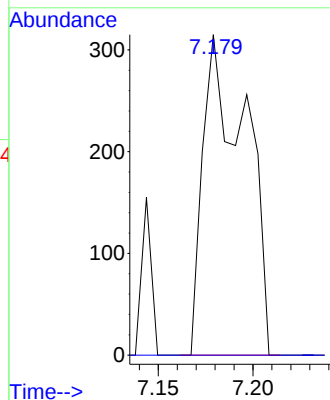
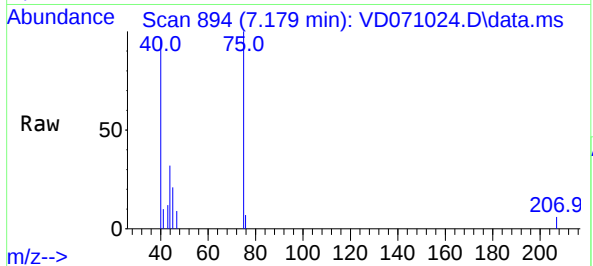




#25
2-Butanone
Concen: 26.382 ug/l
RT: 7.179 min Scan# 899
Delta R.T. -0.030 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

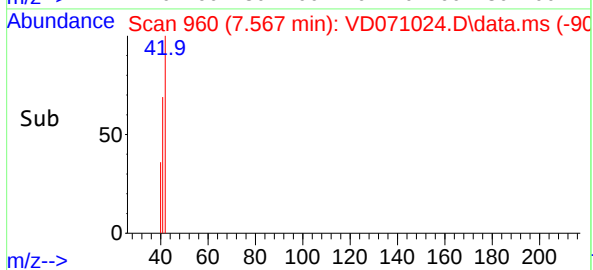
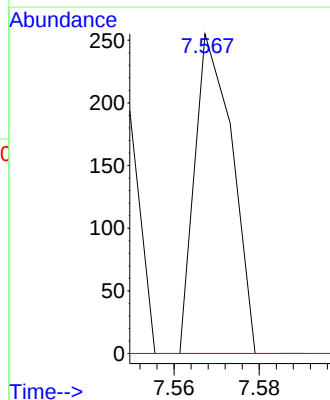
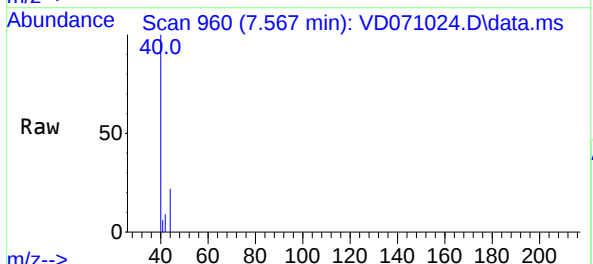
Instrument :
MSVOA_D
ClientSampleId :

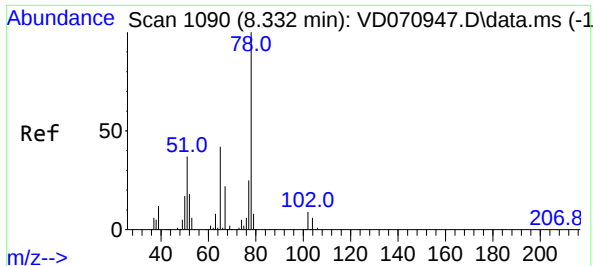
Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 3.565 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Tgt Ion: 42 Resp: 155
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 72.765 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071024.D

Acq: 15 Nov 2021 12:57

Instrument :

MSVOA_D

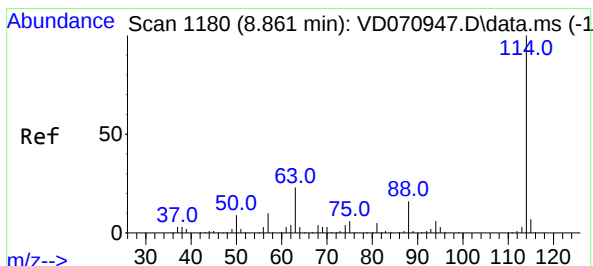
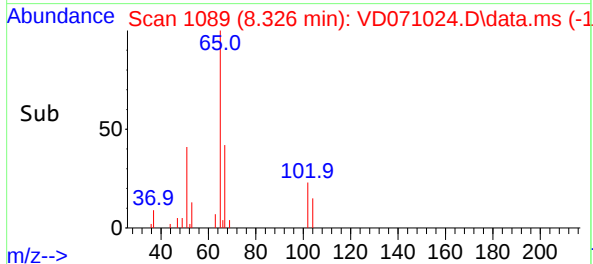
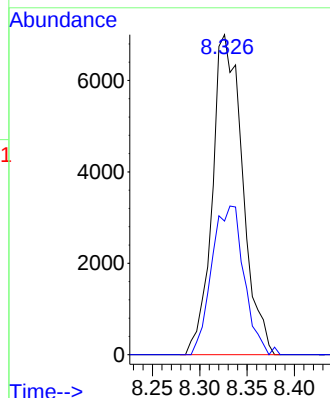
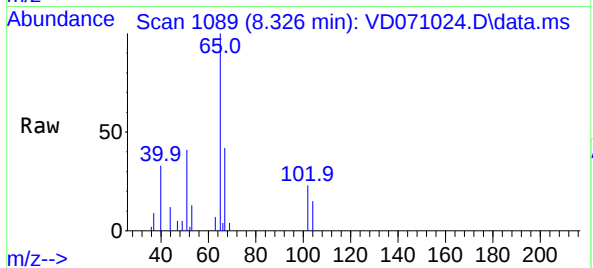
ClientSampleId :

Tgt Ion: 65 Resp: 15569

Ion Ratio Lower Upper

65 100

67 49.6 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: VD071024.D

Acq: 15 Nov 2021 12:57

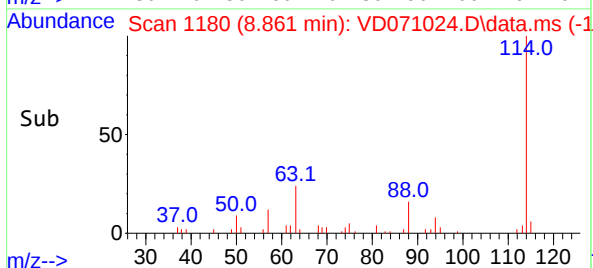
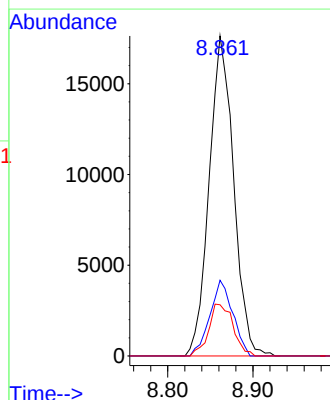
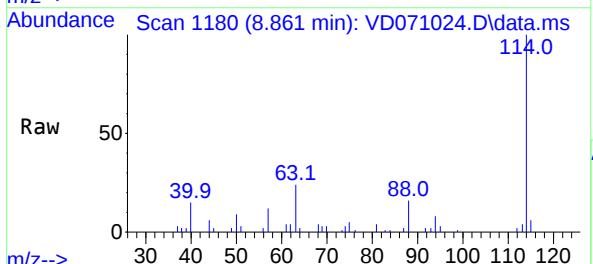
Tgt Ion: 114 Resp: 35181

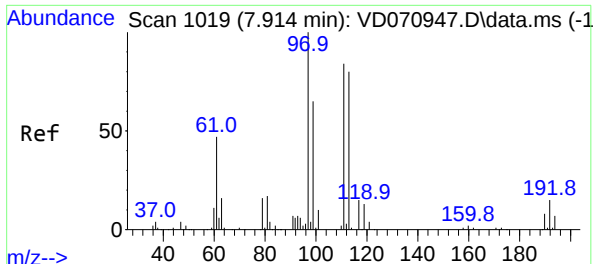
Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 16.0 0.0 32.8

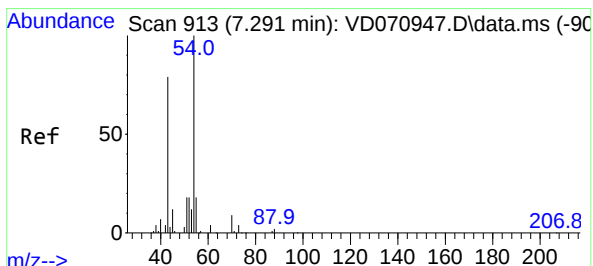
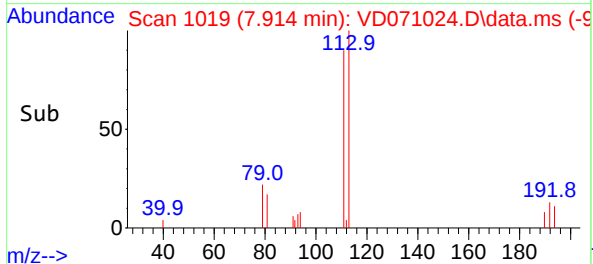
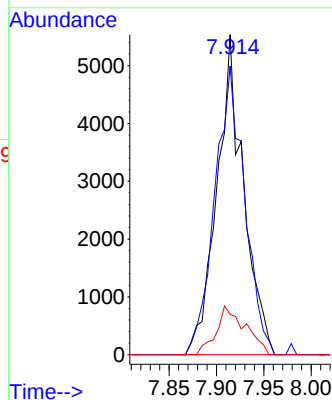
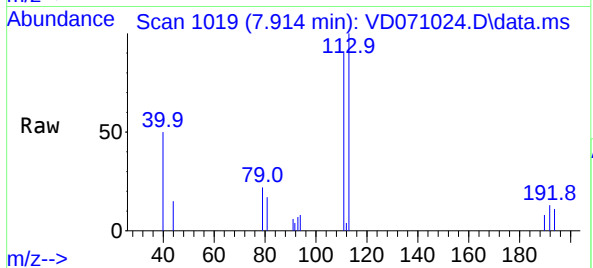




#35
Dibromofluoromethane
Concen: 54.579 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

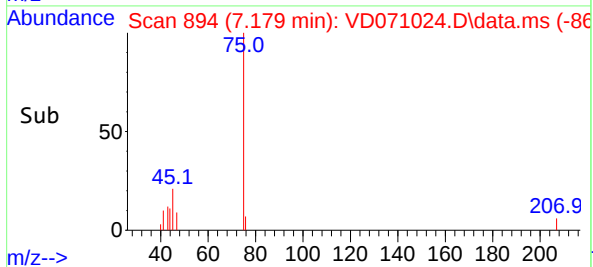
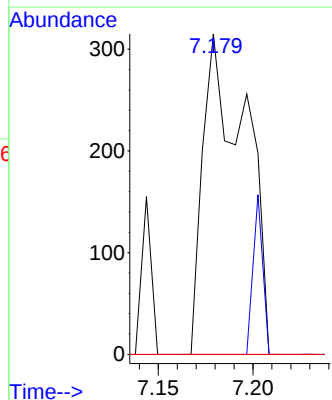
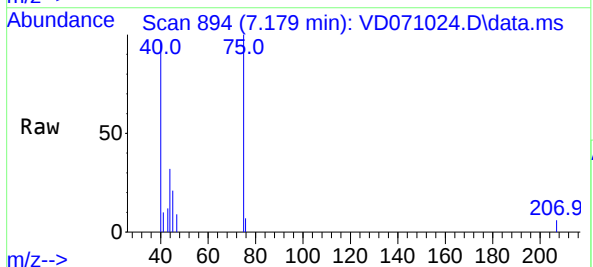
Instrument :
MSVOA_D
ClientSampleId :

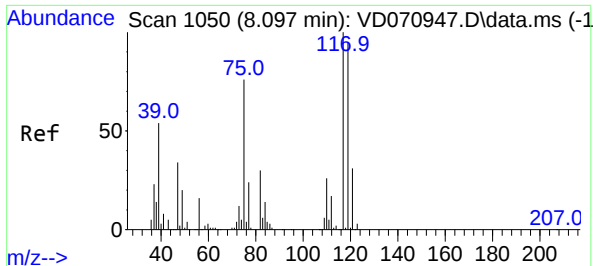
Tgt Ion:113 Resp: 10835
Ion Ratio Lower Upper
113 100
111 100.7 82.0 123.0
192 16.6 15.2 22.8



#37
Ethyl Acetate
Concen: 3.412 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.112 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

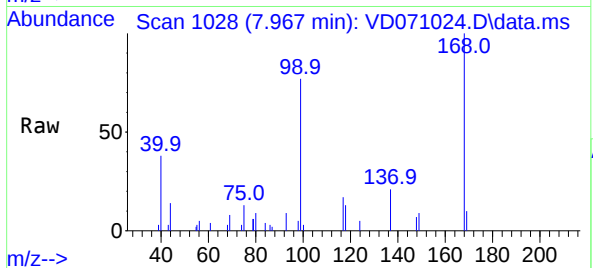
Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 8.7 13.1#



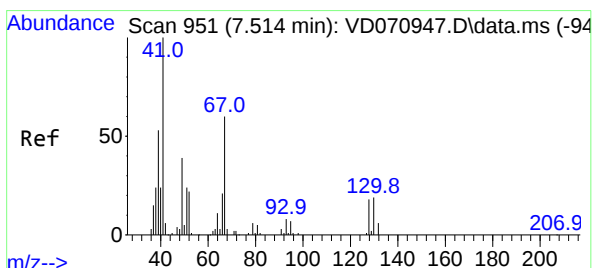
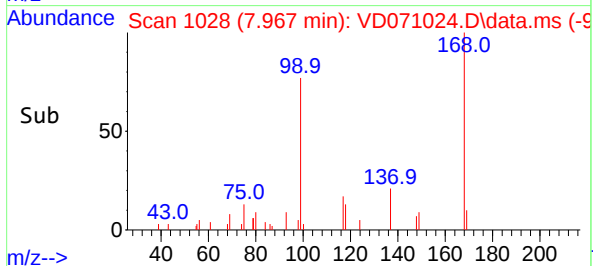
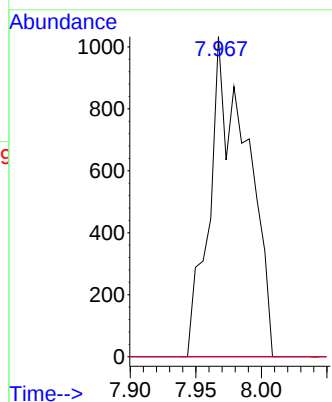


#38
Carbon Tetrachloride
Concen: 7.104 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Instrument :
MSVOA_D
ClientSampleId :

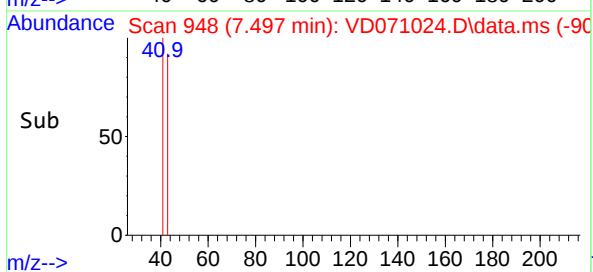
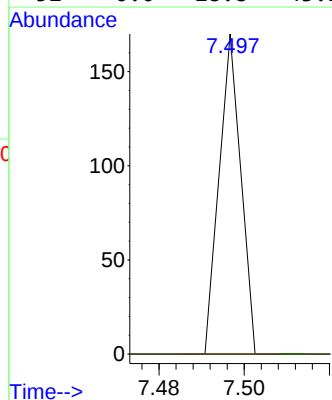
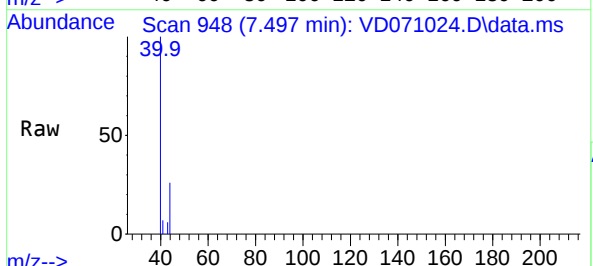


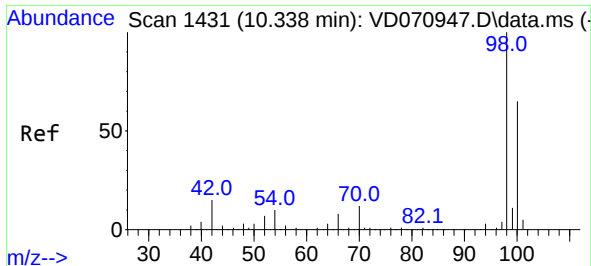
Tgt Ion:117 Resp: 2055
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 4.034 ug/l
RT: 7.497 min Scan# 948
Delta R.T. -0.017 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Tgt Ion: 41 Resp: 60
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#

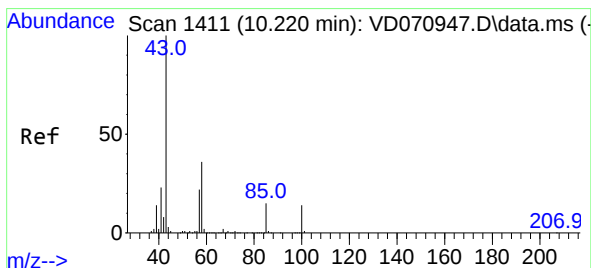
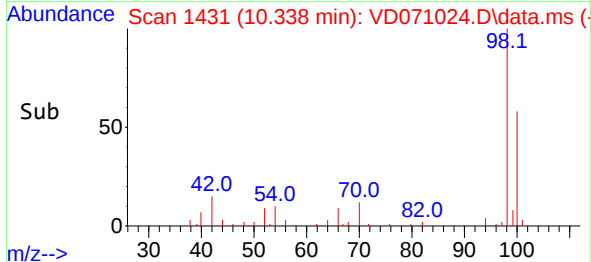
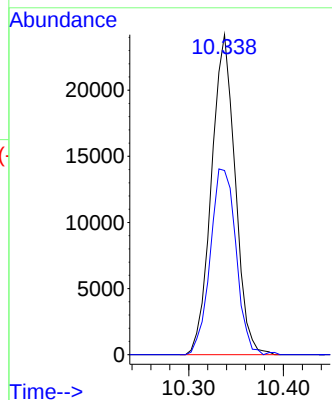
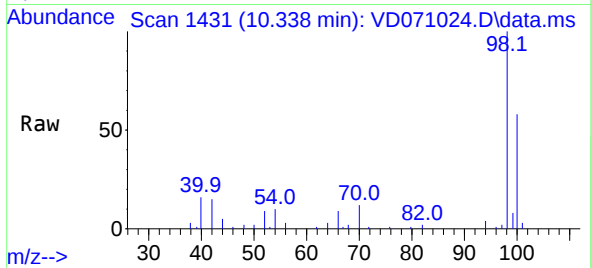




#50
Toluene-d8
Concen: 54.082 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

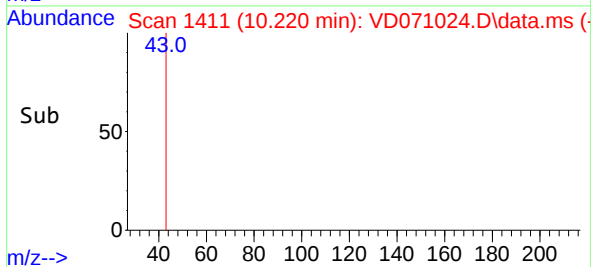
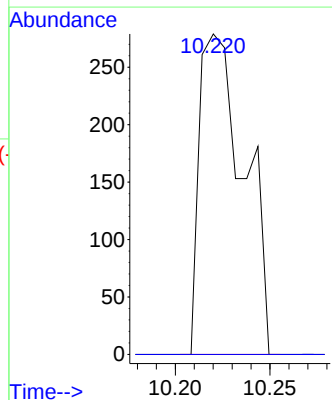
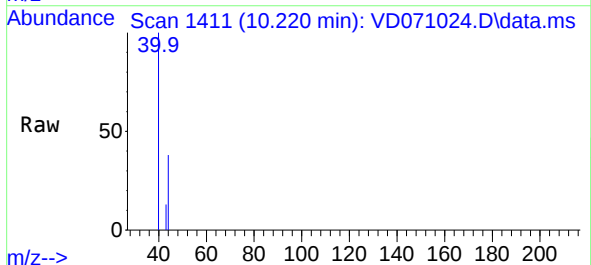
Instrument :
MSVOA_D
ClientSampleId :

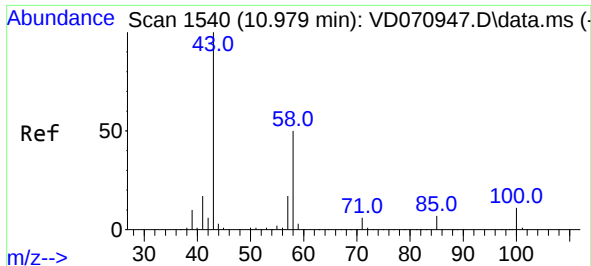
Tgt Ion: 98 Resp: 42046
Ion Ratio Lower Upper
98 100
100 63.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 3.108 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Tgt Ion: 43 Resp: 457
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

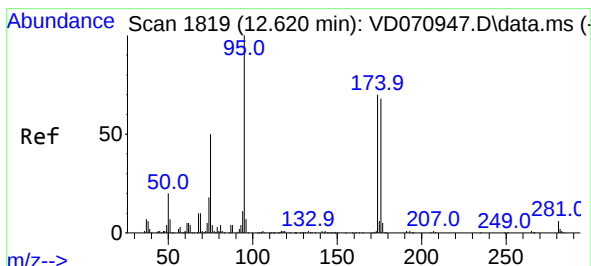
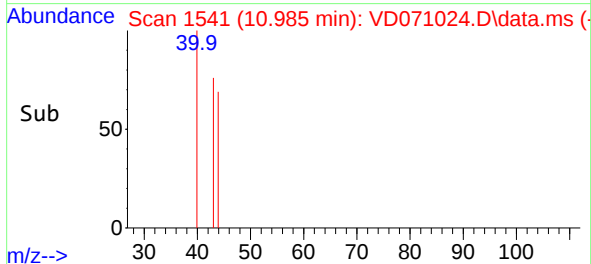
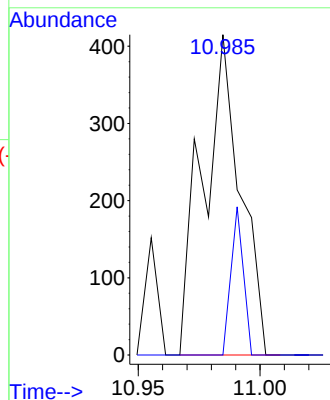
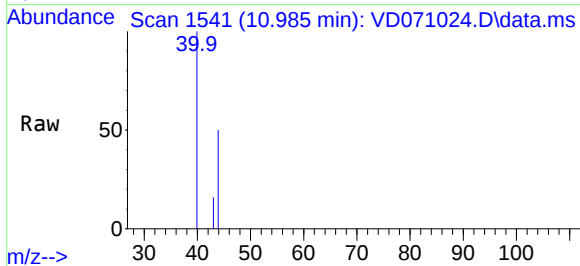




#59
2-Hexanone
Concen: 19.574 ug/l
RT: 10.985 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

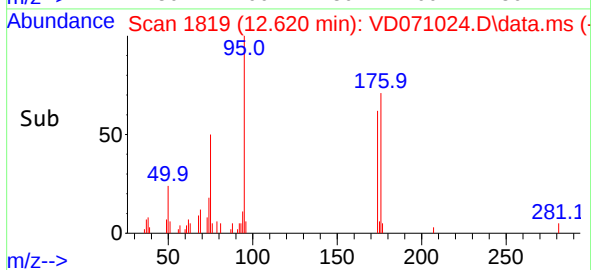
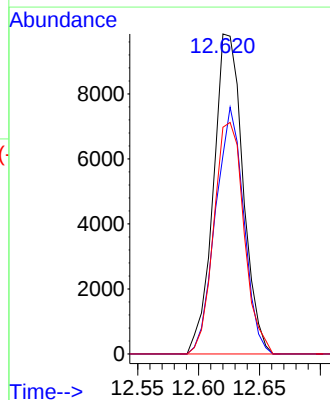
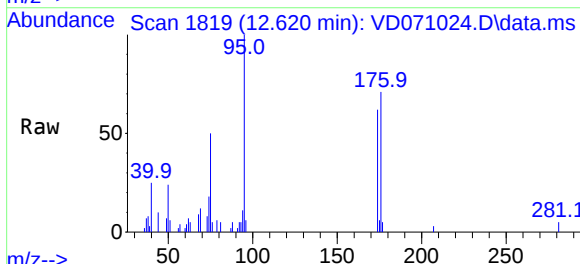
Instrument :
MSVOA_D
ClientSampleId :

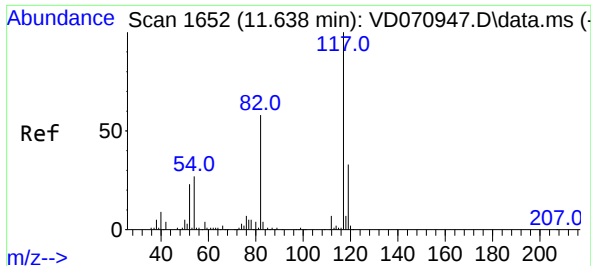
Tgt Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
58 15.2 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 59.211 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

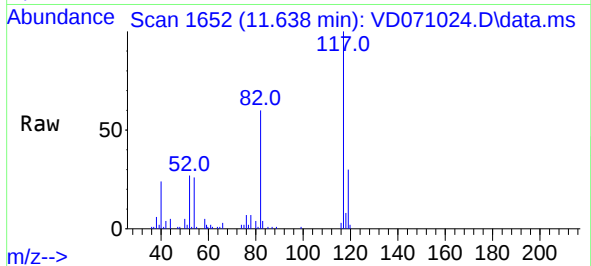
Tgt Ion: 95 Resp: 16575
Ion Ratio Lower Upper
95 100
174 73.7 0.0 159.4
176 74.0 0.0 154.0



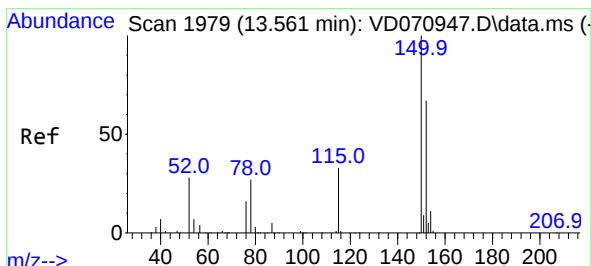
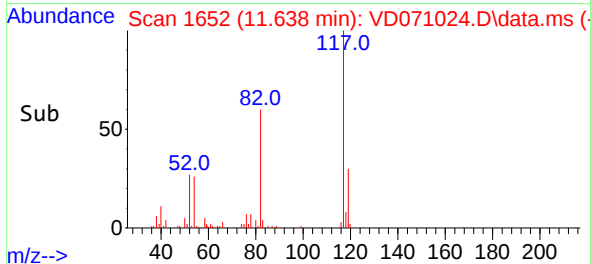
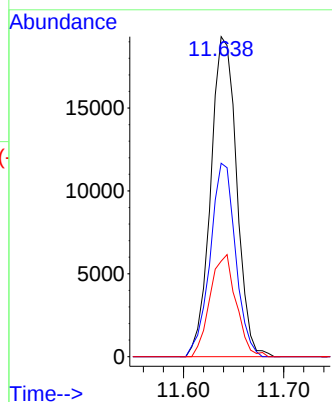


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Instrument :
MSVOA_D
ClientSampleId :

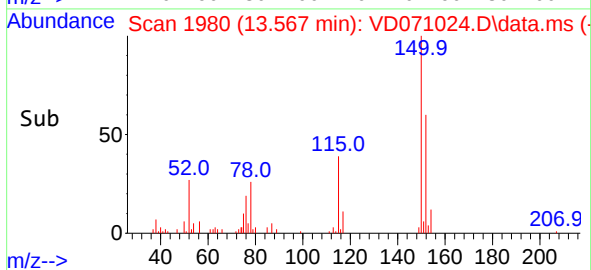
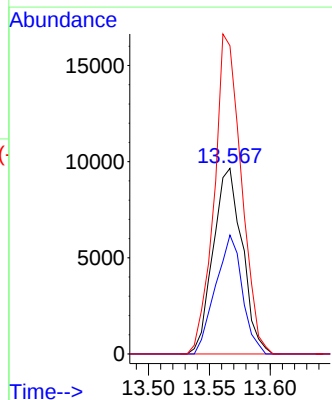
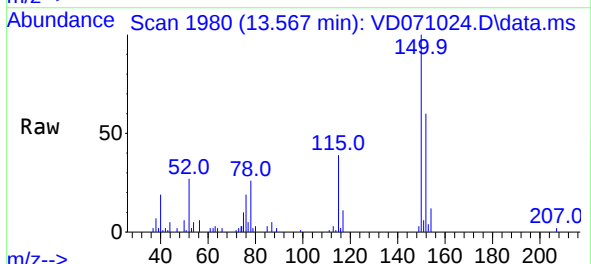


Tgt Ion:117 Resp: 34693
Ion Ratio Lower Upper
117 100
82 60.5 44.7 67.1
119 29.9 26.2 39.4

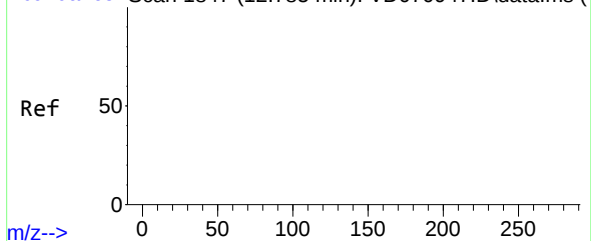


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

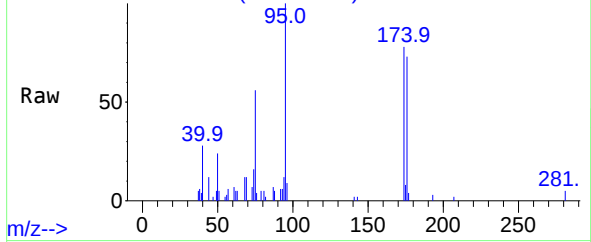
Tgt Ion:152 Resp: 16057
Ion Ratio Lower Upper
152 100
115 58.9 29.8 89.3
150 160.8 0.0 349.2



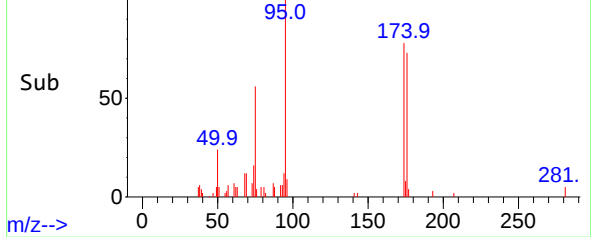
Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-



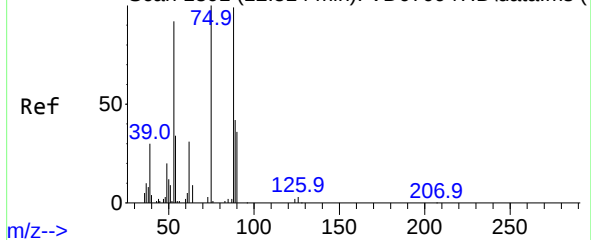
Abundance Scan 1820 (12.626 min): VD071024.D\data.ms (-



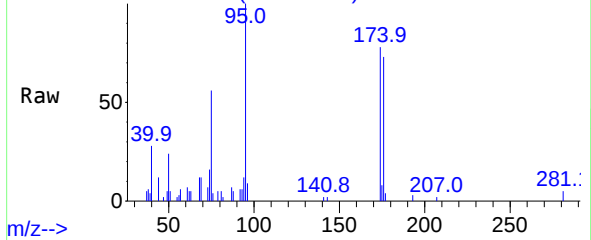
Abundance Scan 1820 (12.626 min): VD071024.D\data.ms (-



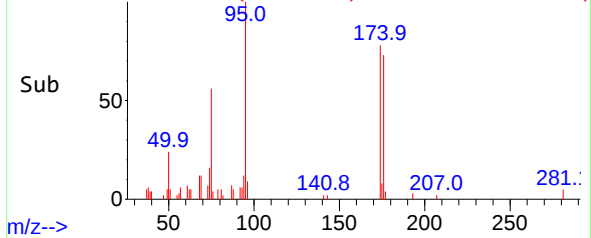
Abundance Scan 1801 (12.514 min): VD070947.D\data.ms (-



Abundance Scan 1820 (12.626 min): VD071024.D\data.ms (-



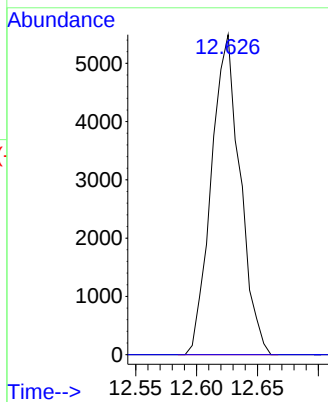
Abundance Scan 1820 (12.626 min): VD071024.D\data.ms (-



#76
1,2,3-Trichloropropane
Concen: 66.062 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

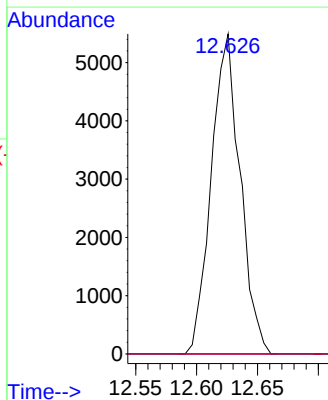
Instrument :
MSVOA_D
ClientSampleId :

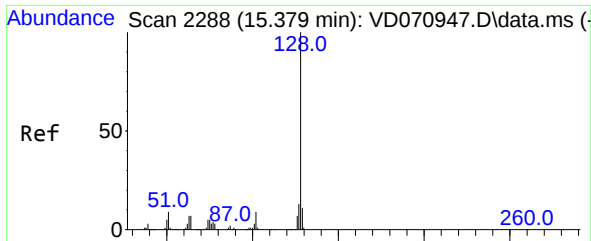
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	158.4	475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.073 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

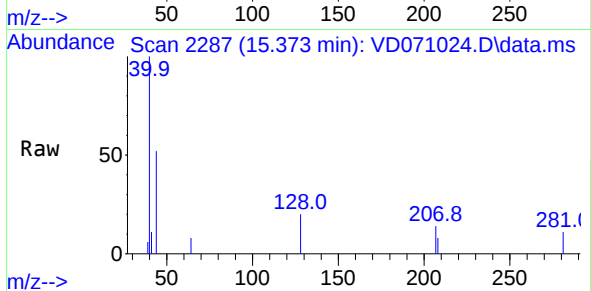
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	62.6	94.0#
89	0.0	34.5	51.7#





#95
Naphthalene
Concen: 1.284 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD071024.D
Acq: 15 Nov 2021 12:57

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 657
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 10.0 8.7 13.1

