

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071418.D
 Acq On : 21 Dec 2021 18:44
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 19:11:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

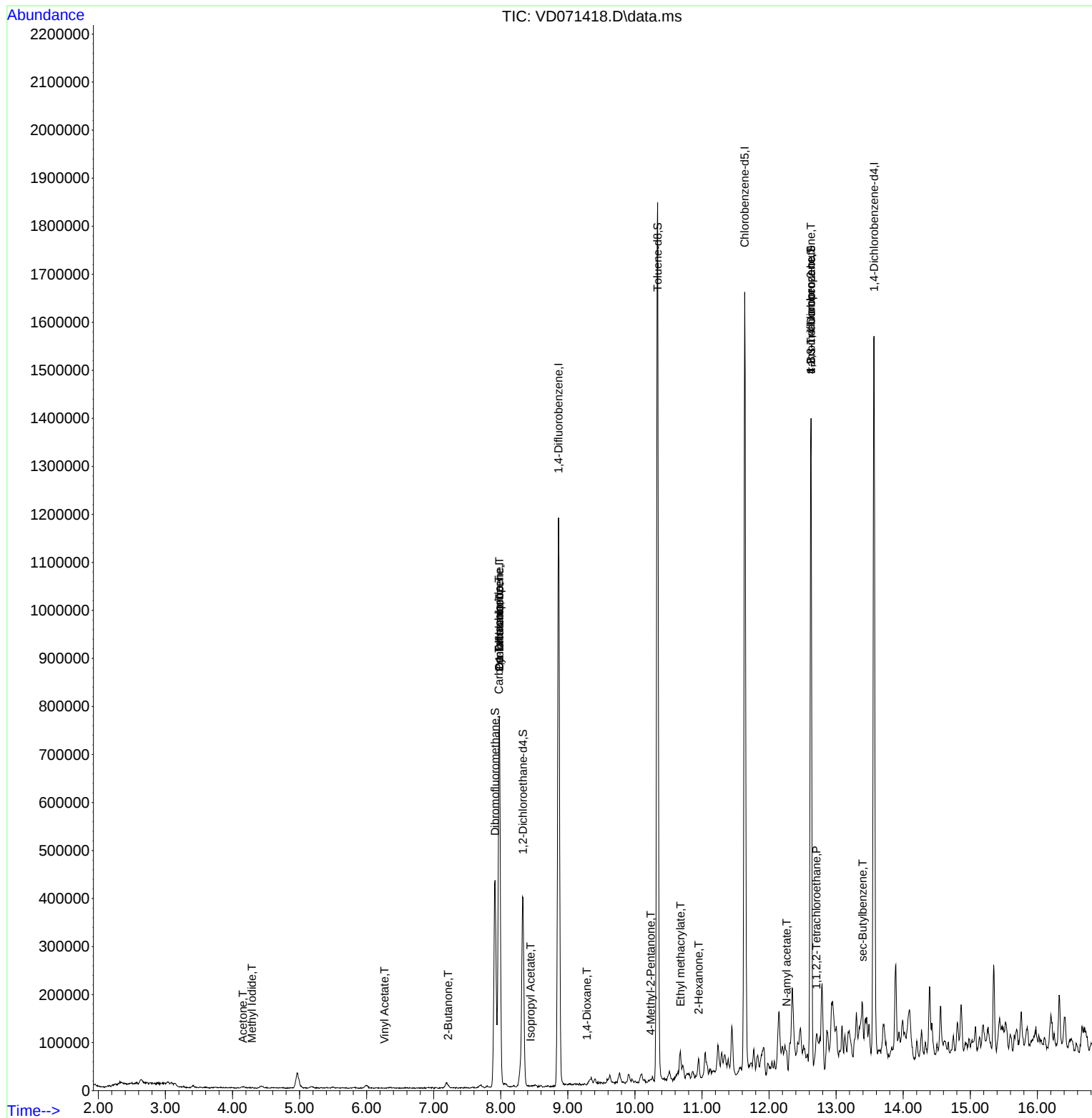
Internal Standards						
1) Pentafluorobenzene	7.979	168	531913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	945188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	847240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	379144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	315138	50.492	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.914	113	301570	50.104	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.200%			
50) Toluene-d8	10.338	98	1186613	51.806	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.626	95	389883	49.106	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.220%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.291	142	58	4.569	ug/l #	40
11) Tert butyl alcohol	5.191	59	587	Below Cal	#	71
16) Acetone	4.156	43	3957	32.890	ug/l #	77
20) Methylene Chloride	4.961	84	20572	Below Cal		83
23) Vinyl Acetate	6.267	43	165	27.233	ug/l #	72
25) 2-Butanone	7.214	43	376	28.533	ug/l #	45
31) Cyclohexane	7.979	56	16799	1.582	ug/l #	30
36) 1,1-Dichloropropene	7.979	75	48870	5.532	ug/l #	50
38) Carbon Tetrachloride	7.973	117	58508	6.719	ug/l #	17
41) Methacrylonitrile	7.532	41	631	Below Cal	#	37
43) Isopropyl Acetate	8.444	43	583	5.285	ug/l #	47
49) 1,4-Dioxane	9.285	88	56	1.772	ug/l #	1
51) 4-Methyl-2-Pentanone	10.238	43	839	30.823	ug/l #	34
56) Ethyl methacrylate	10.679	69	6997	6.967	ug/l #	1
59) 2-Hexanone	10.949	43	17407	39.200	ug/l #	26
74) N-amyl acetate	12.261	43	10062	6.887	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.708	83	5895	1.304	ug/l	82
76) 1,2,3-Trichloropropane	12.626	75	221562	61.335	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	221562	132.667	ug/l #	19
85) sec-Butylbenzene	13.396	105	36356	1.224	ug/l #	78

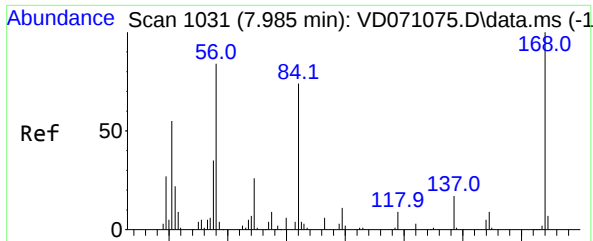
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071418.D
Acq On : 21 Dec 2021 18:44
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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

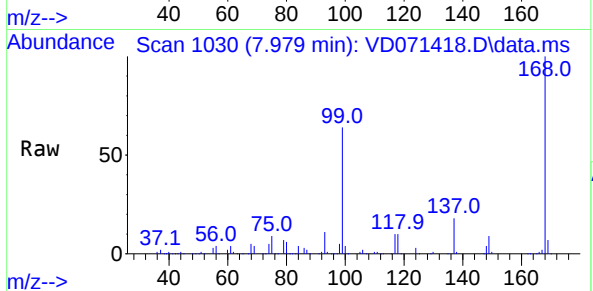
Quant Time: Dec 21 19:11:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



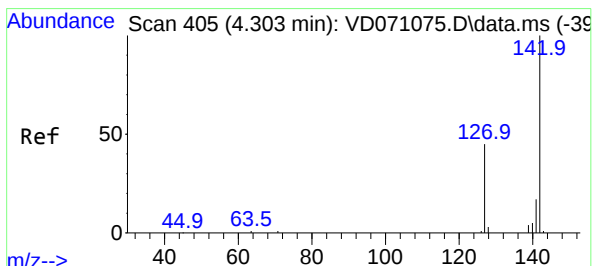
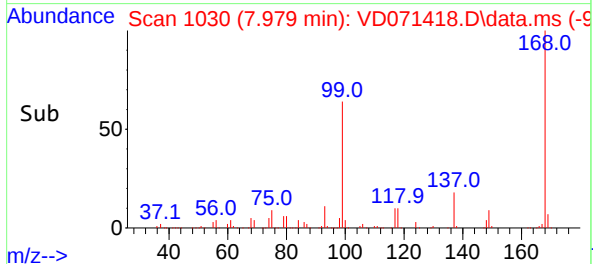
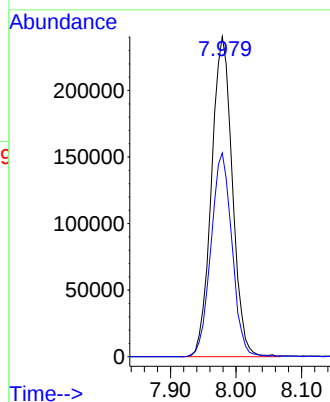


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Instrument :
MSVOA_D
ClientSampleId :

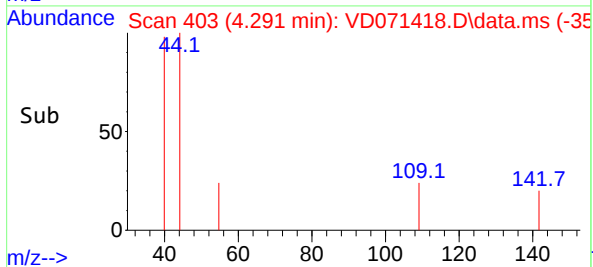
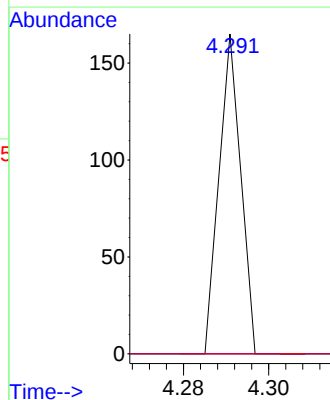
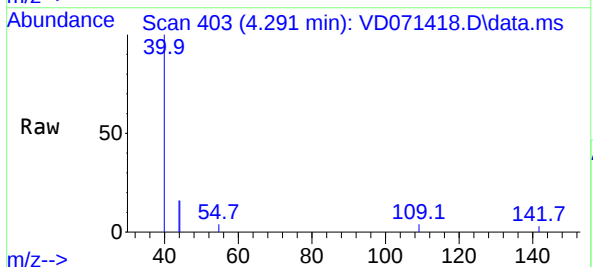


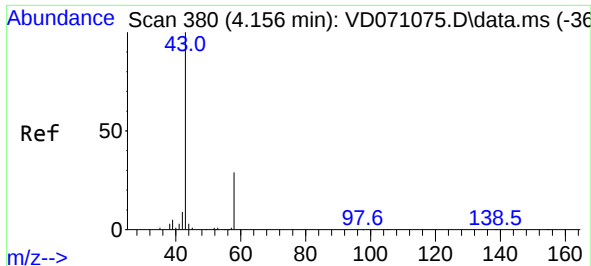
Tgt Ion:168 Resp: 531913
Ion Ratio Lower Upper
168 100
99 63.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.569 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

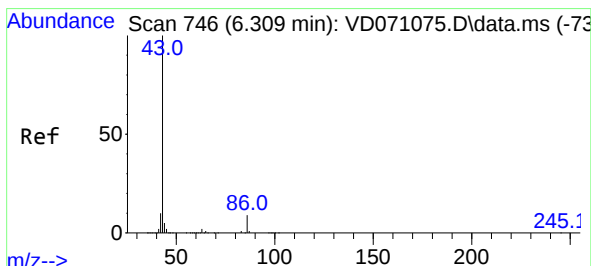
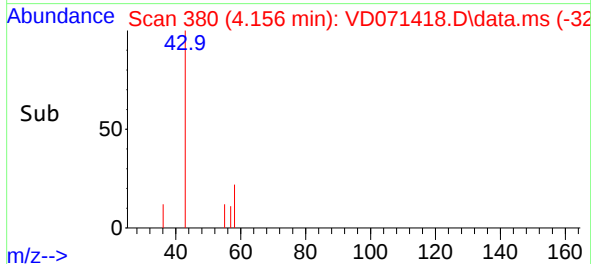
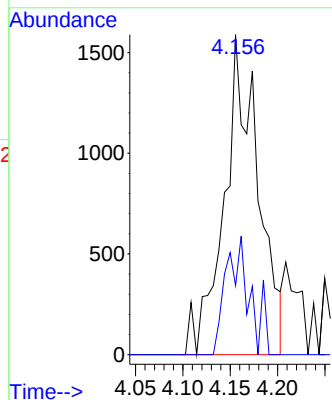
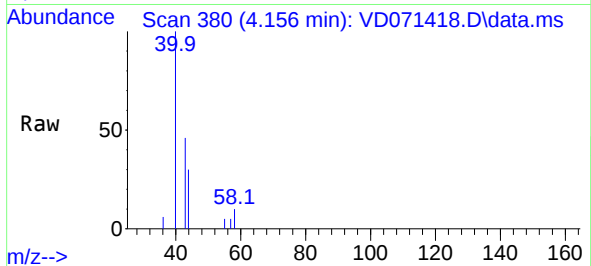




#16
Acetone
Concen: 32.890 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

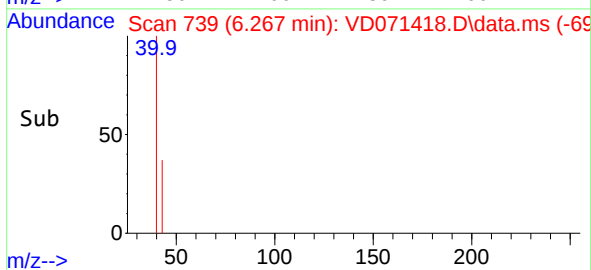
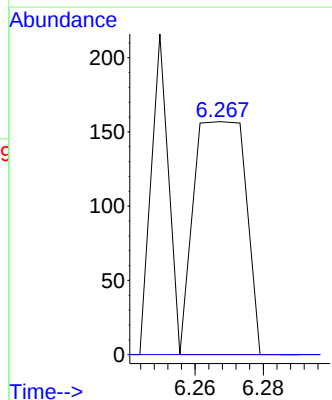
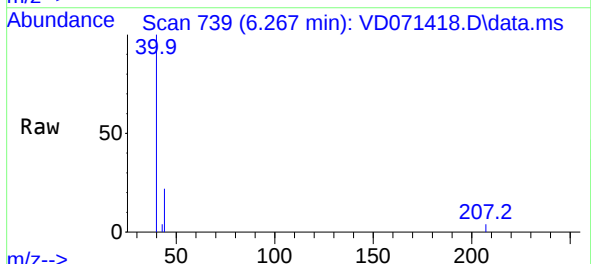
Instrument :
MSVOA_D
ClientSampleId :

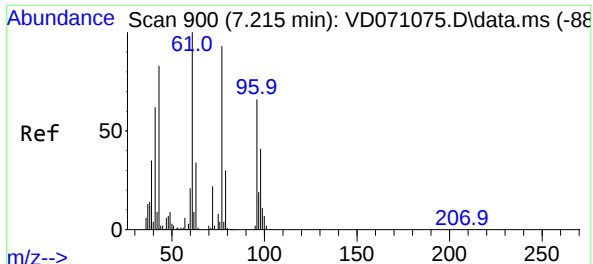
Tgt Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
58 21.6 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.233 ug/l
RT: 6.267 min Scan# 739
Delta R.T. -0.042 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

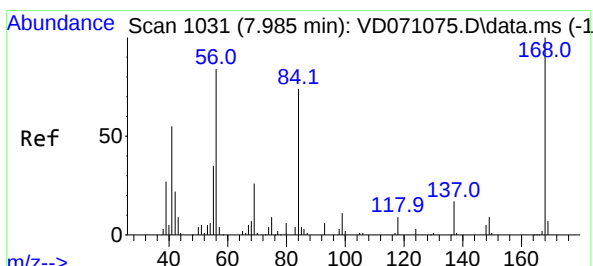
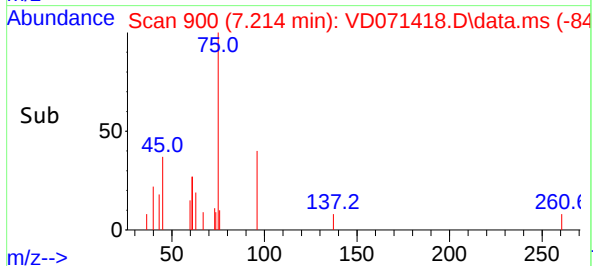
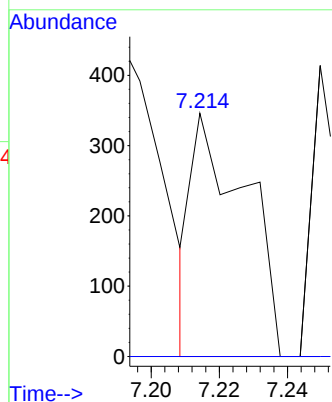
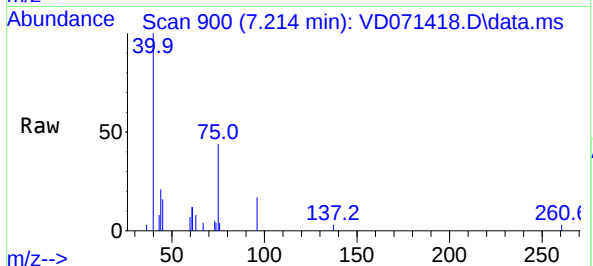




#25
2-Butanone
Concen: 28.533 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.001 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

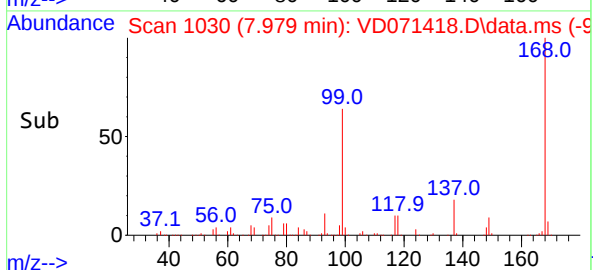
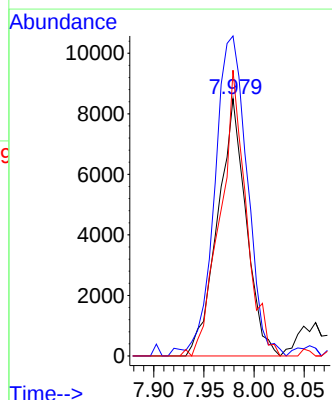
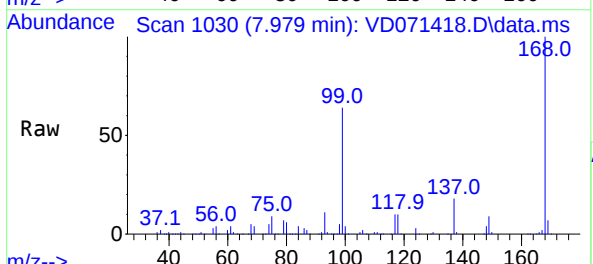
Instrument :
MSVOA_D
ClientSampleId :

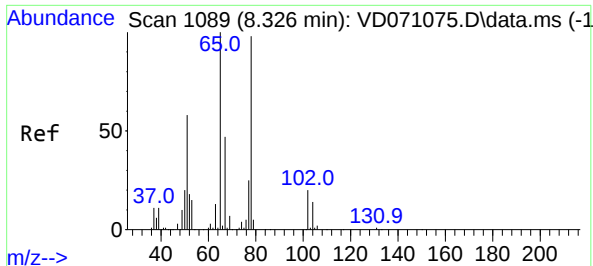
Tgt Ion: 43 Resp: 376
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.582 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Tgt Ion: 56 Resp: 16799
Ion Ratio Lower Upper
56 100
69 121.8 25.9 38.9#
84 111.0 64.3 96.5#

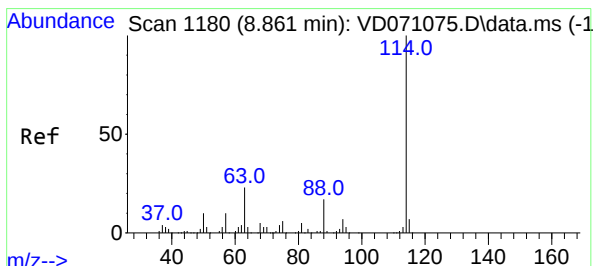
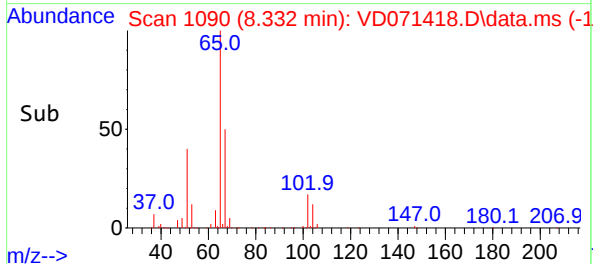
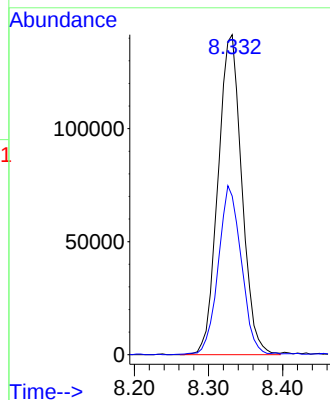
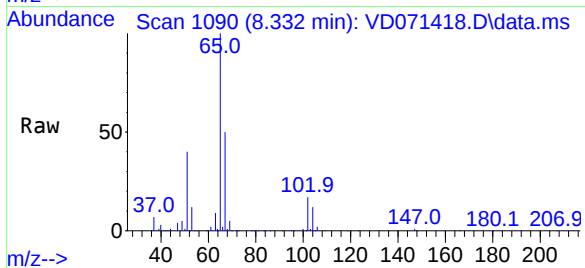




#33
1,2-Dichloroethane-d4
Concen: 50.492 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

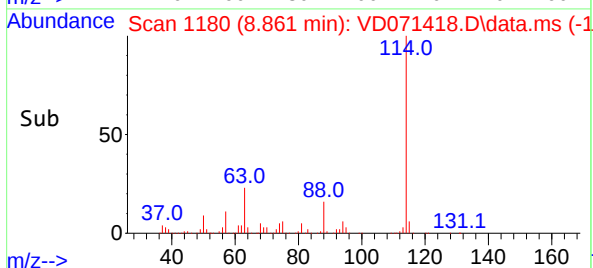
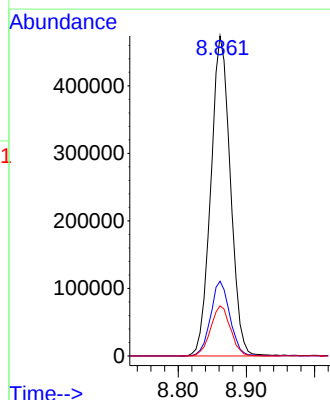
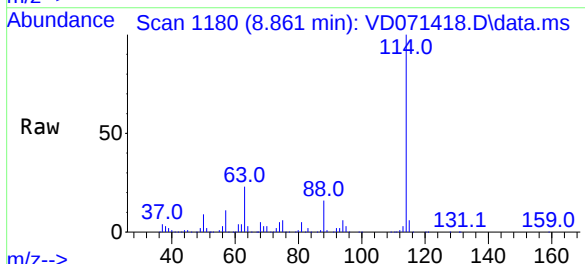
Instrument :
MSVOA_D
ClientSampleId :

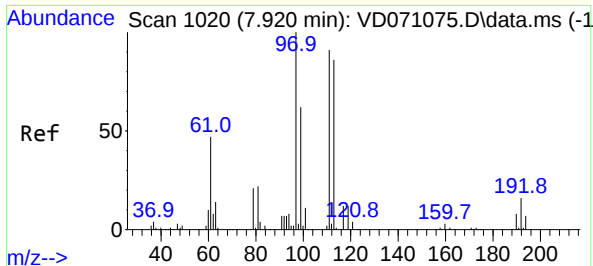
Tgt Ion: 65 Resp: 315138
Ion Ratio Lower Upper
65 100
67 51.4 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Tgt Ion: 114 Resp: 945188
Ion Ratio Lower Upper
114 100
63 23.3 0.0 41.8
88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.104 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071418.D

Acq: 21 Dec 2021 18:44

Instrument :

MSVOA_D

ClientSampleId :

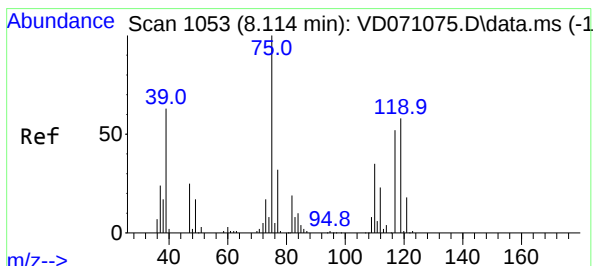
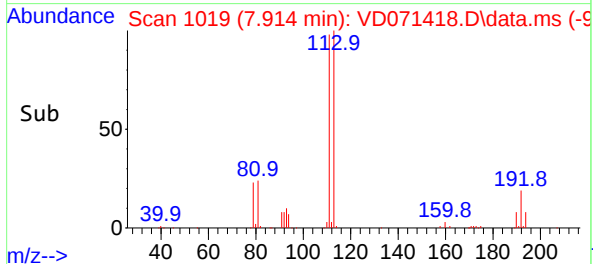
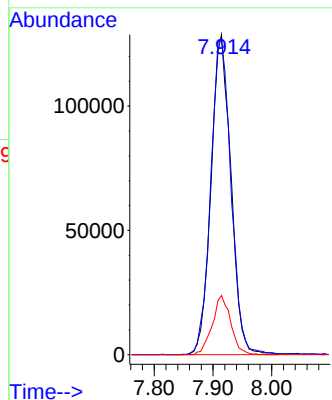
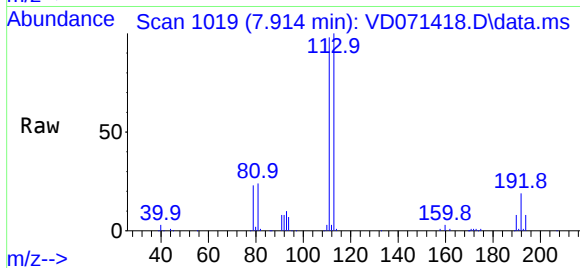
Tgt Ion:113 Resp: 301570

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 17.2 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.532 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071418.D

Acq: 21 Dec 2021 18:44

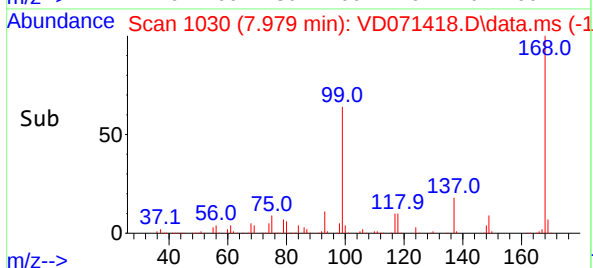
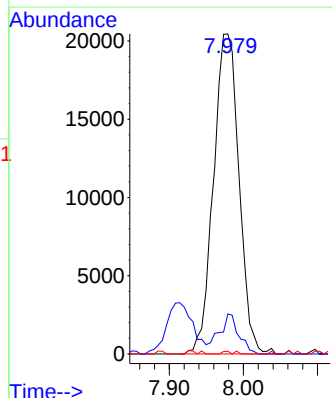
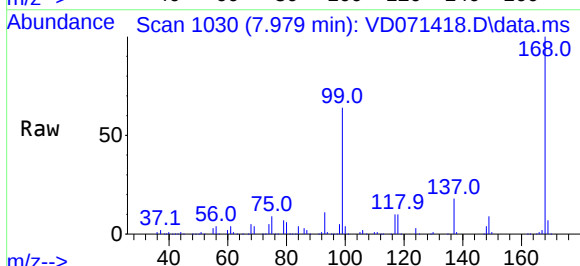
Tgt Ion: 75 Resp: 48870

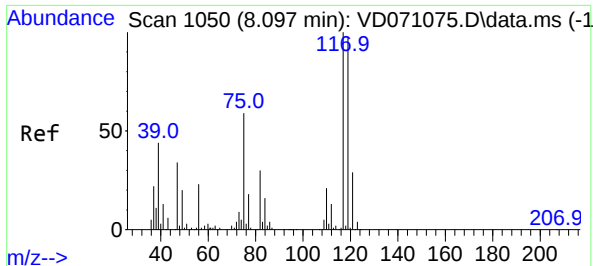
Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.4#

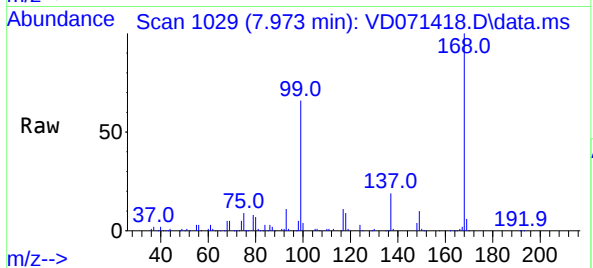
77 0.4 24.8 37.2#



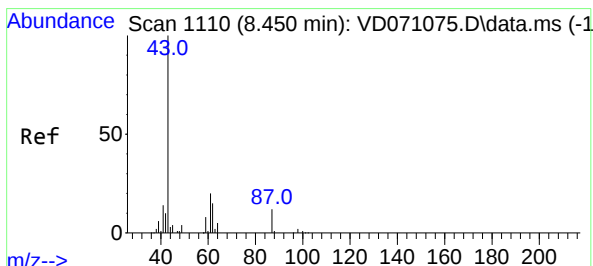
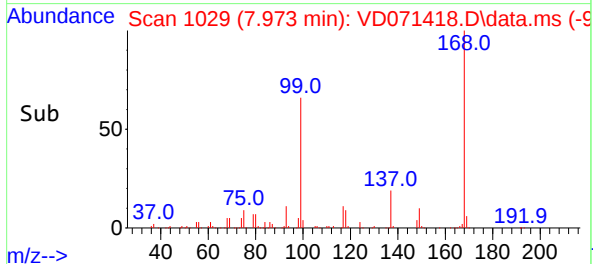
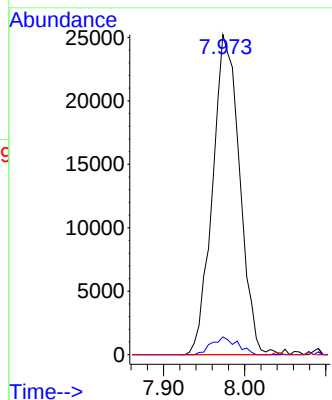


#38
Carbon Tetrachloride
Concen: 6.719 ug/l
RT: 7.973 min Scan# 1109
Delta R.T. -0.124 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Instrument :
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ClientSampleId :

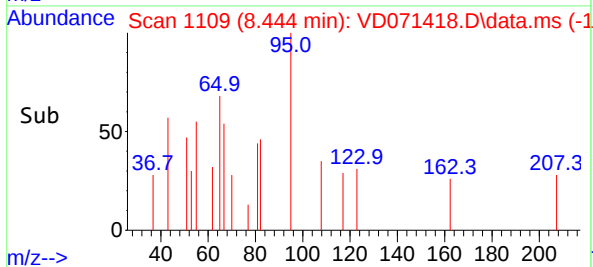
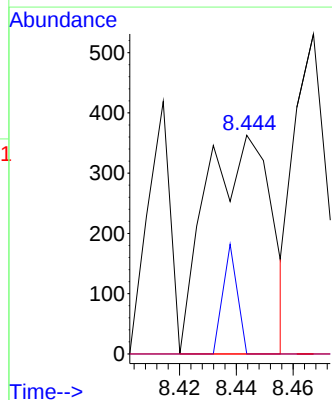
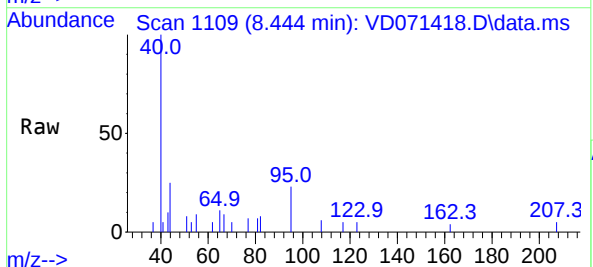


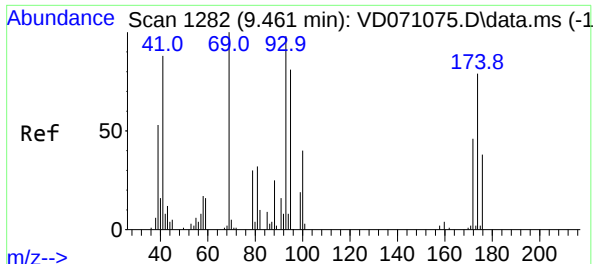
Tgt Ion:117 Resp: 58508
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.285 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

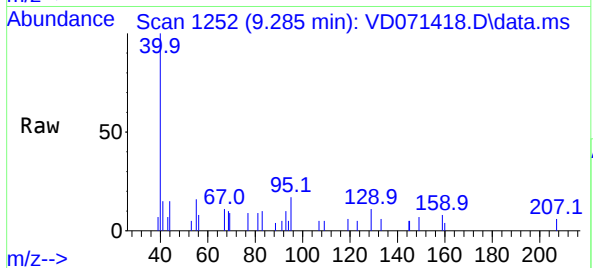
Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



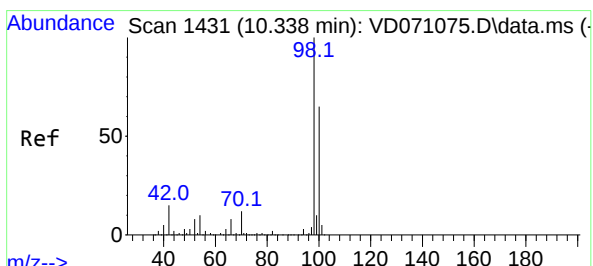
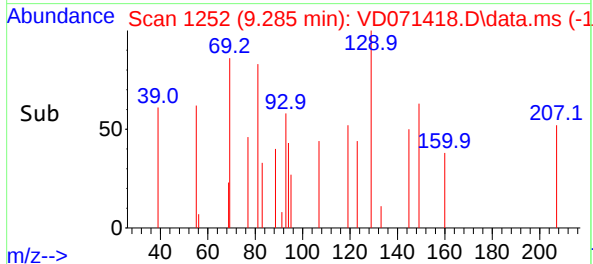
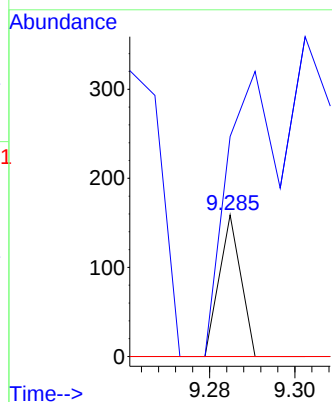


#49
1,4-Dioxane
Concen: 1.772 ug/l
RT: 9.285 min Scan# 11
Delta R.T. -0.176 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Instrument :
MSVOA_D
ClientSampleId :

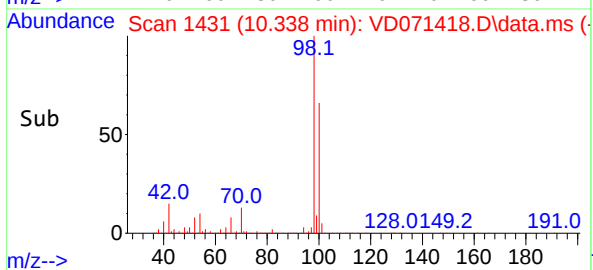
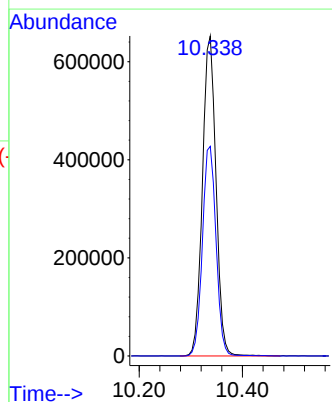
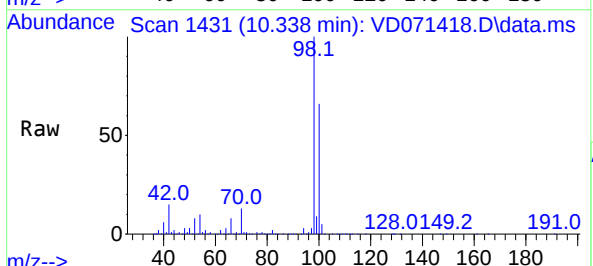


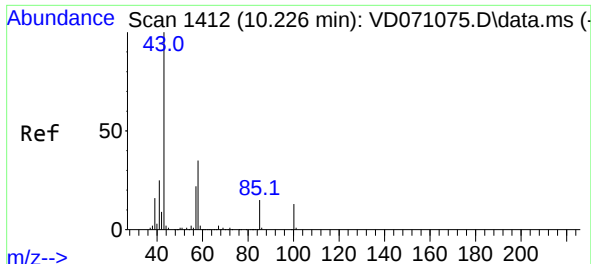
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 476.8 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 51.806 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Tgt Ion: 98 Resp: 1186613
Ion Ratio Lower Upper
98 100
100 65.9 51.8 77.6

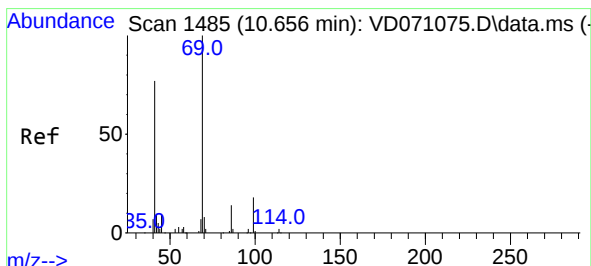
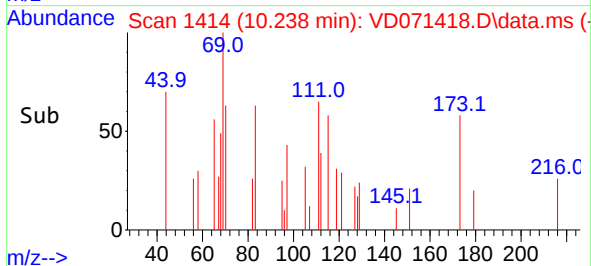
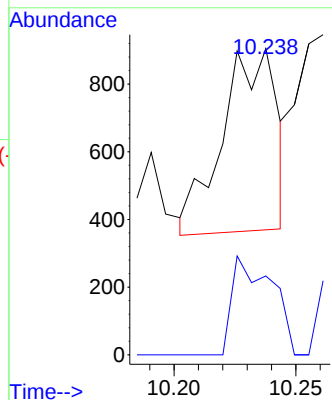
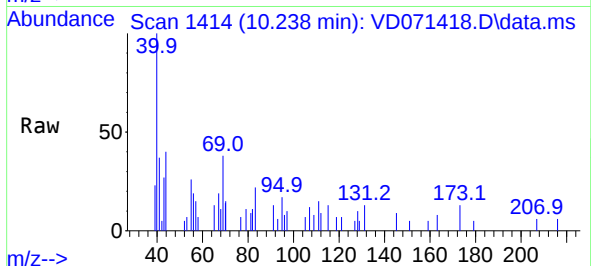




#51
4-Methyl-2-Pentanone
Concen: 30.823 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.012 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

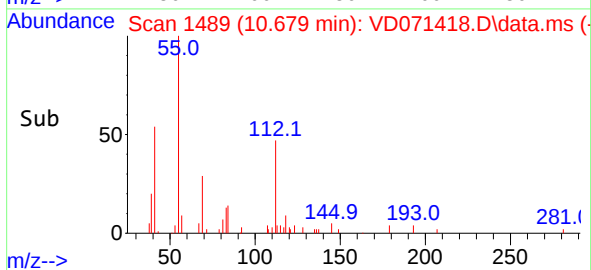
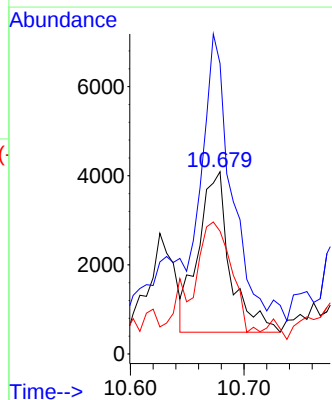
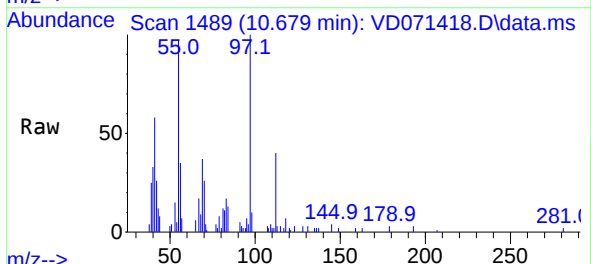
Instrument :
MSVOA_D
ClientSampleId :

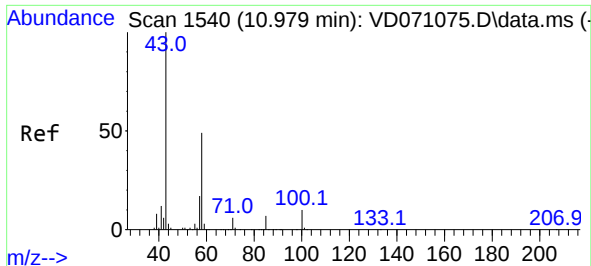
Tgt Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.967 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.023 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Tgt Ion: 69 Resp: 6997
Ion Ratio Lower Upper
69 100
41 165.7 50.2 75.2#
39 95.0 19.8 29.8#

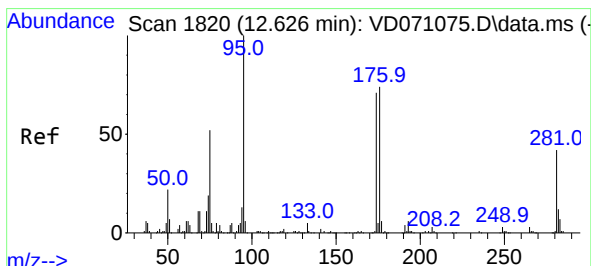
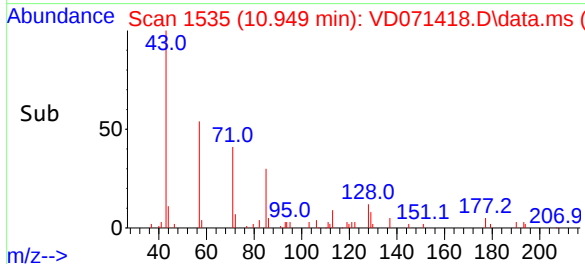
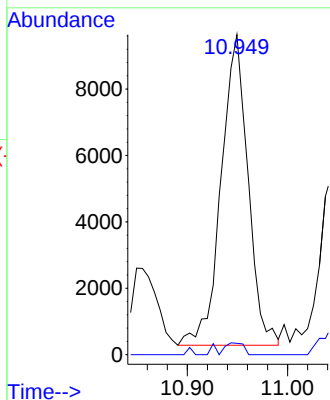
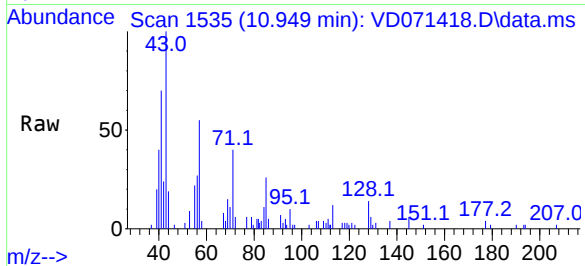




#59
2-Hexanone
Concen: 39.200 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

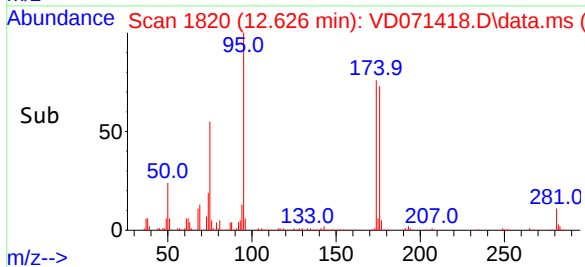
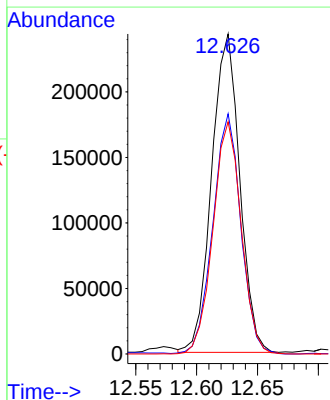
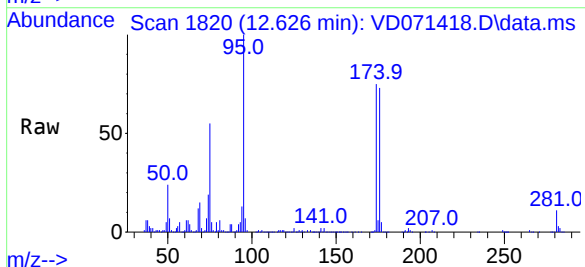
Instrument :
MSVOA_D
ClientSampleId :

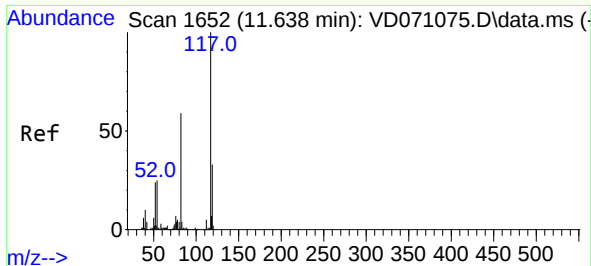
Tgt Ion: 43 Resp: 17407
Ion Ratio Lower Upper
43 100
58 2.6 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 49.106 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Tgt Ion: 95 Resp: 389883
Ion Ratio Lower Upper
95 100
174 75.2 0.0 159.4
176 73.2 0.0 154.0

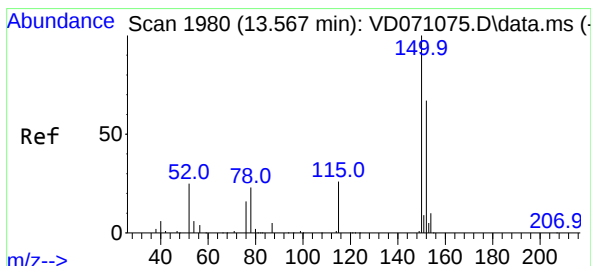
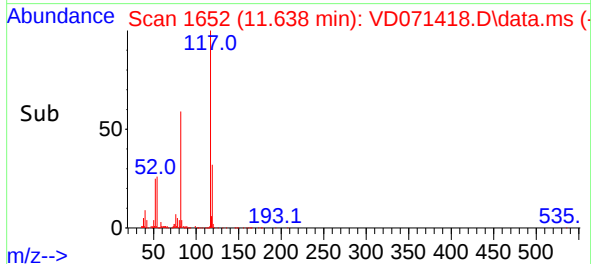
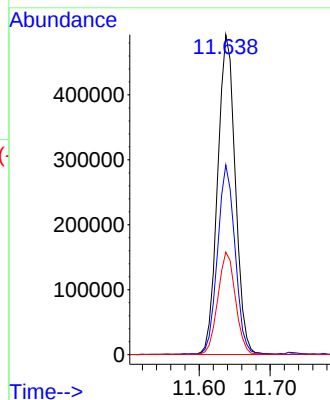
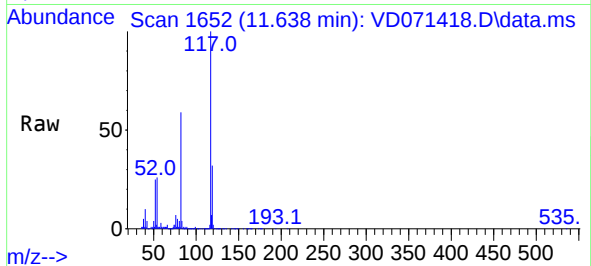




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

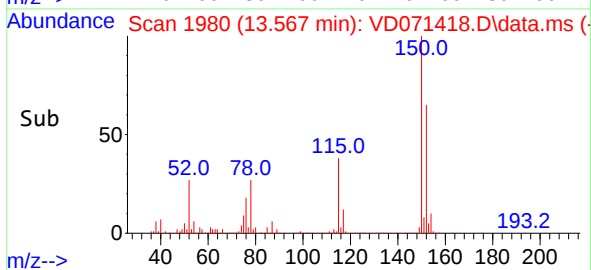
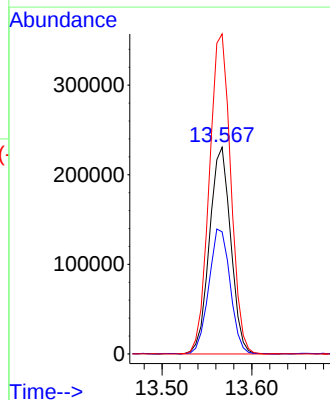
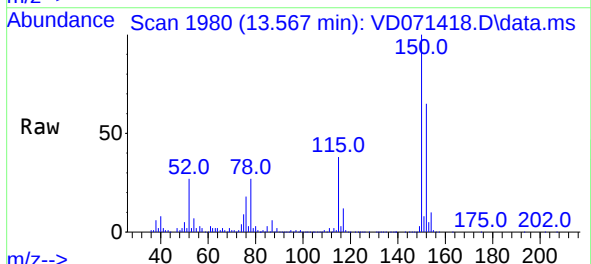
Instrument :
MSVOA_D
ClientSampleId :

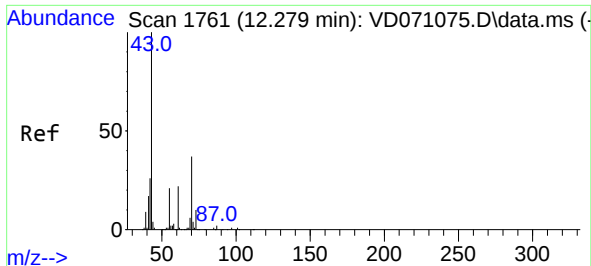
Tgt Ion:117 Resp: 847240
Ion Ratio Lower Upper
117 100
82 59.1 44.7 67.1
119 32.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

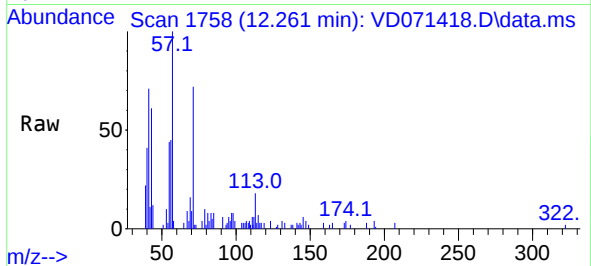
Tgt Ion:152 Resp: 379144
Ion Ratio Lower Upper
152 100
115 61.0 29.8 89.3
150 156.5 0.0 349.2





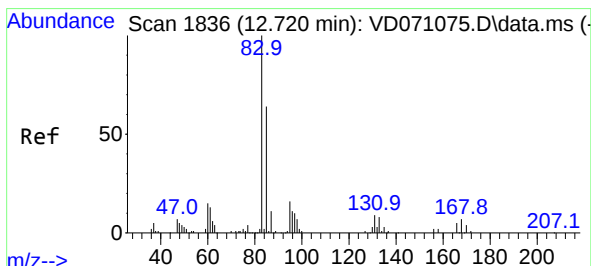
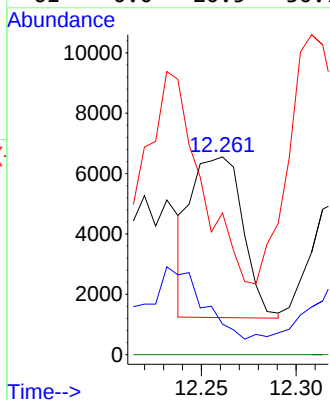
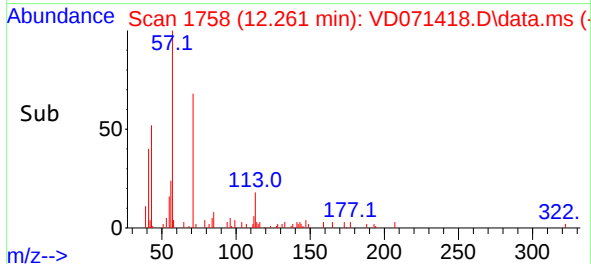
#74
N-amy1 acetate
Concen: 6.887 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 10062

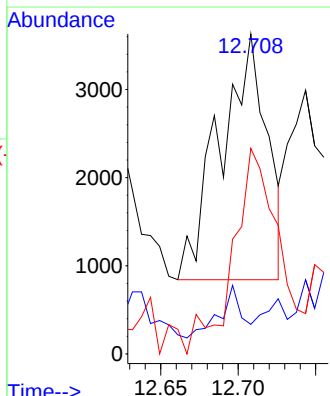
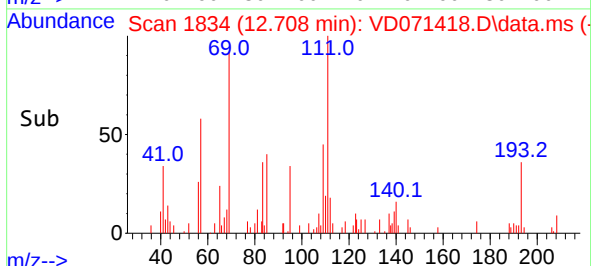
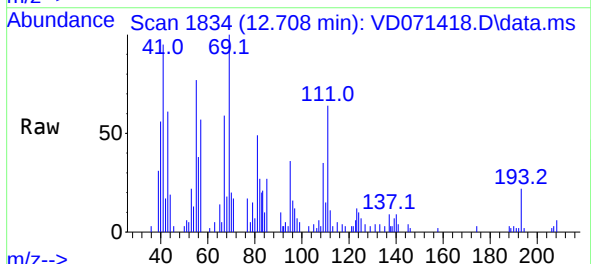
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#

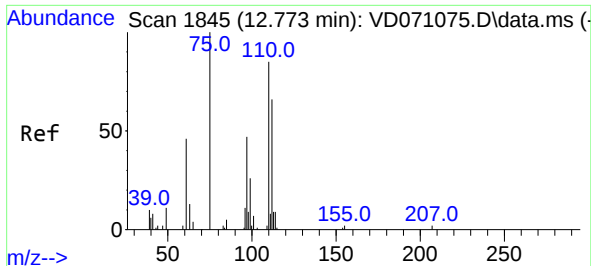


#75
1,1,2,2-Tetrachloroethane
Concen: 1.304 ug/l
RT: 12.708 min Scan# 1834
Delta R.T. -0.012 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Tgt Ion: 83 Resp: 5895

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	80.4	32.0	96.2

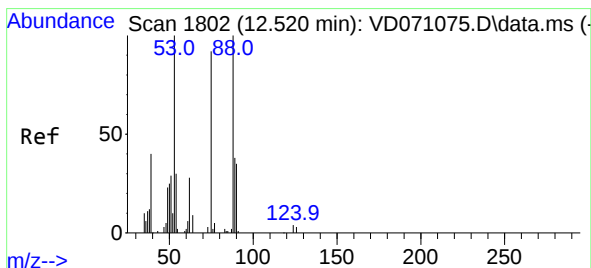
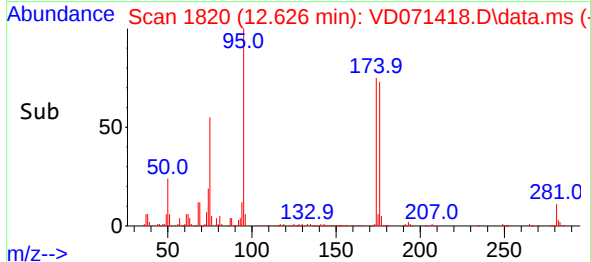
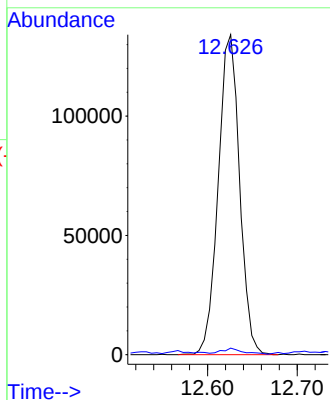
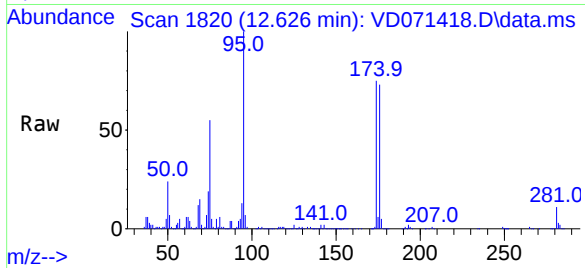




#76
1,2,3-Trichloropropane
Concen: 61.335 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

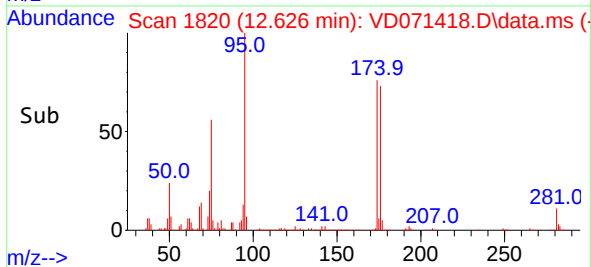
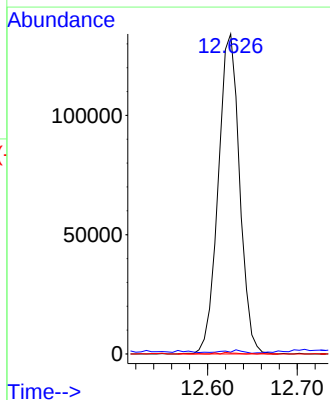
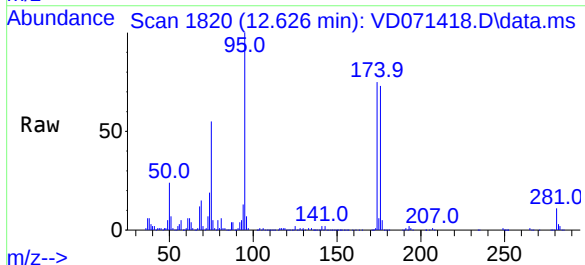
Instrument :
MSVOA_D
ClientSampleId :

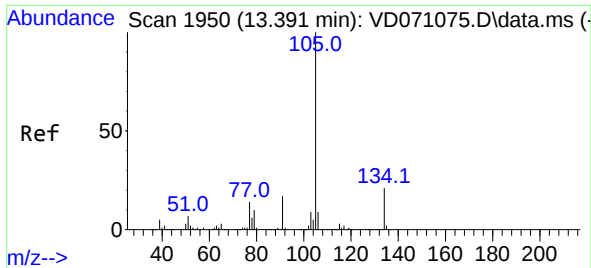
Tgt Ion: 75 Resp: 221562
Ion Ratio Lower Upper
75 100
77 1.8 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.667 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071418.D
Acq: 21 Dec 2021 18:44

Tgt Ion: 75 Resp: 221562
Ion Ratio Lower Upper
75 100
53 0.9 62.6 94.0#
89 0.3 34.5 51.7#





#85

sec-Butylbenzene

Concen: 1.224 ug/l

RT: 13.396 min Scan# 1951

Delta R.T. 0.005 min

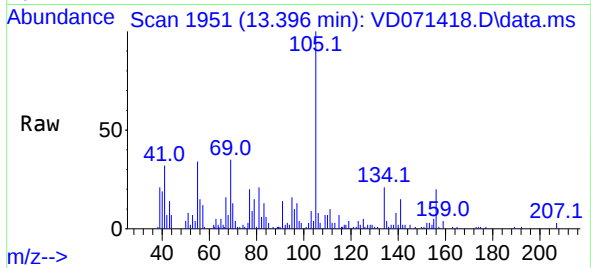
Lab File: VD071418.D

Acq: 21 Dec 2021 18:44

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:105 Resp: 36356

Ion Ratio Lower Upper

105 100

134 29.1 9.7 28.9#

