

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071209.D
 Acq On : 08 Dec 2021 16:54
 Operator : VA/SY
 Sample : M4966-12
 Misc : 5.42G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 09 10:17:58 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)

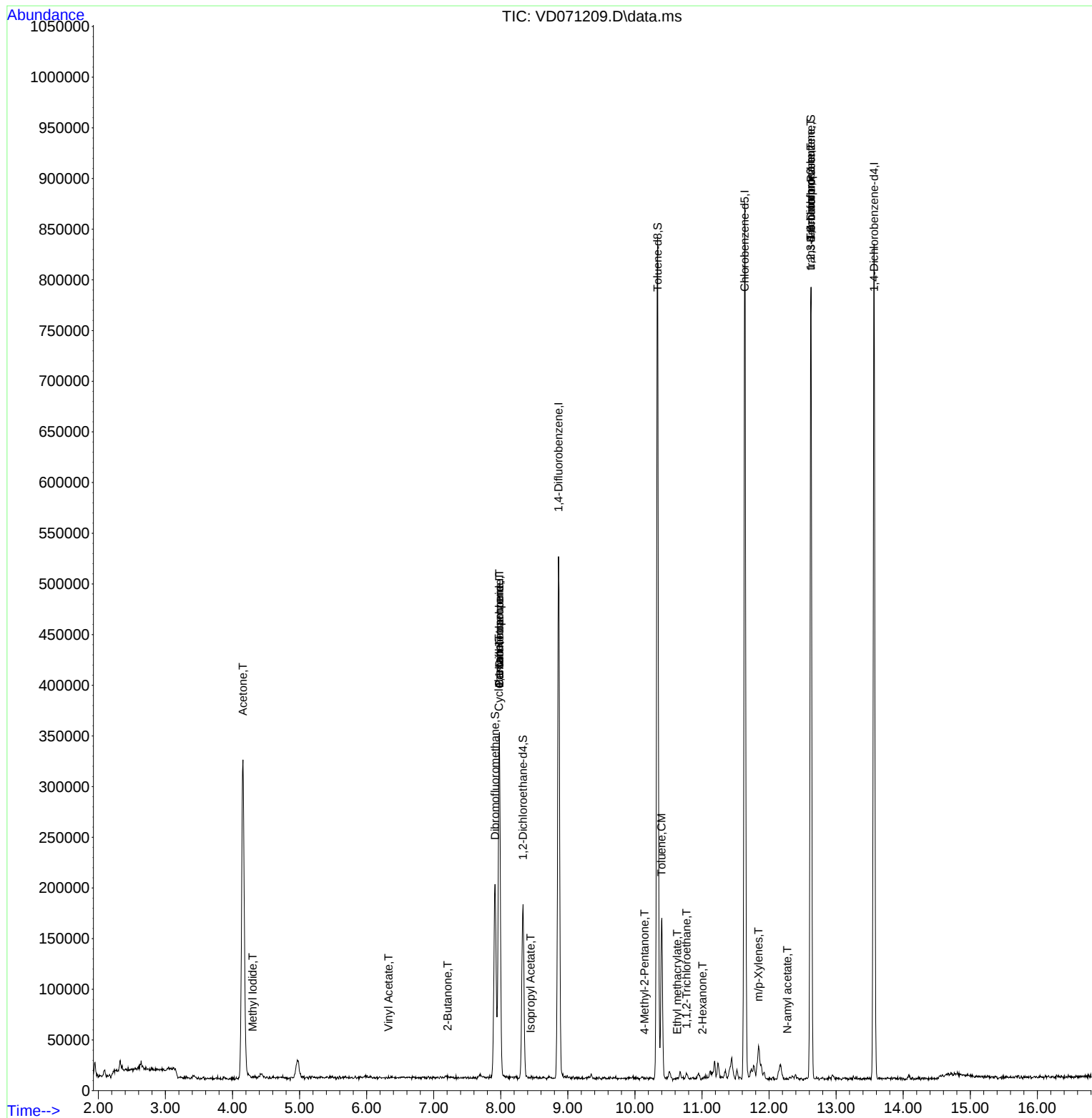
Internal Standards						
1) Pentafluorobenzene	7.979	168	235178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	410686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	446737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	199994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	138024	50.017	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.040%	
35) Dibromofluoromethane	7.914	113	132148	50.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.060%	
50) Toluene-d8	10.338	98	532695	53.525	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.060%	
62) 4-Bromofluorobenzene	12.626	95	213176	61.794	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 123.580%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	120	4.600	ug/l #	40
11) Tert butyl alcohol	5.214	59	2087	Below Cal	#	86
16) Acetone	4.156	43	566552	708.727	ug/l #	86
23) Vinyl Acetate	6.326	43	56	27.229	ug/l #	72
25) 2-Butanone	7.208	43	855	29.255	ug/l #	45
31) Cyclohexane	7.973	56	7095	1.512	ug/l #	32
36) 1,1-Dichloropropene	7.979	75	22437	5.845	ug/l #	49
38) Carbon Tetrachloride	7.979	117	25180	6.655	ug/l #	18
41) Methacrylonitrile	7.567	41	206	Below Cal	#	27
43) Isopropyl Acetate	8.444	43	72	5.241	ug/l #	47
51) 4-Methyl-2-Pentanone	10.144	43	156	30.725	ug/l #	34
52) Toluene	10.396	92	61674	9.323	ug/l	97
55) 1,1,2-Trichloroethane	10.767	97	1979	1.060	ug/l #	16
56) Ethyl methacrylate	10.632	69	487	6.130	ug/l #	46
59) 2-Hexanone	11.008	43	78	34.622	ug/l #	22
68) m/p-Xylenes	11.843	106	6019	1.022	ug/l	93
71) Bromoform	12.626	173	2428	1.549	ug/l #	1
74) N-amyl acetate	12.273	43	57	5.714	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	123054	64.580	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	123054	139.379	ug/l #	18

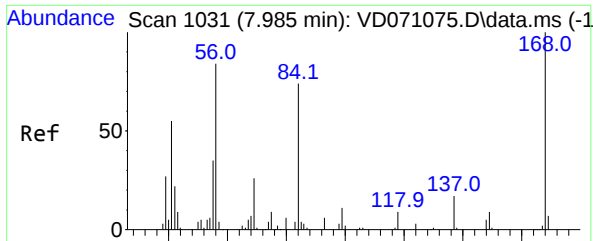
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 09 10:17:58 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

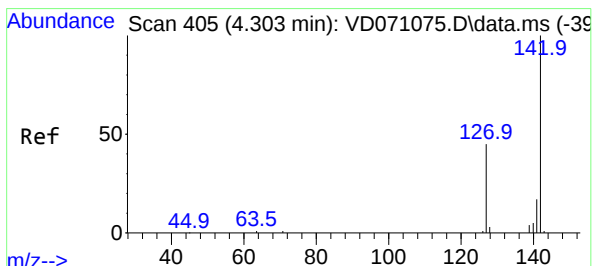
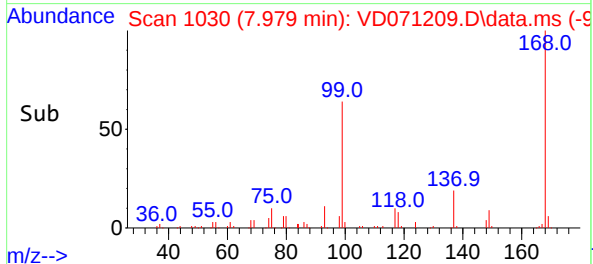
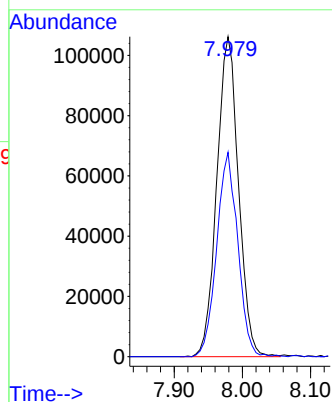
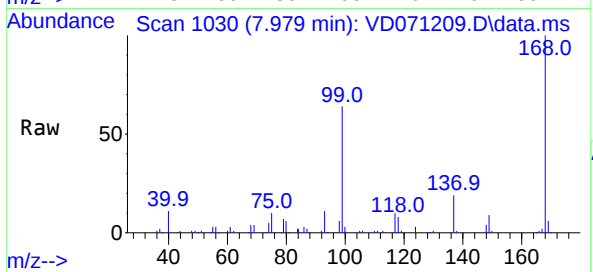




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

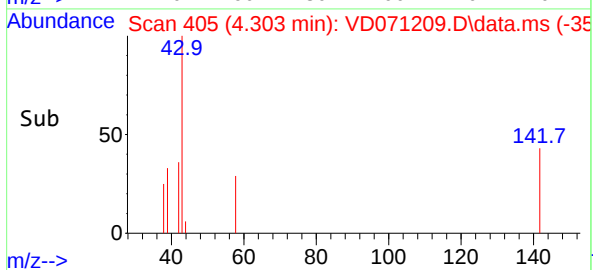
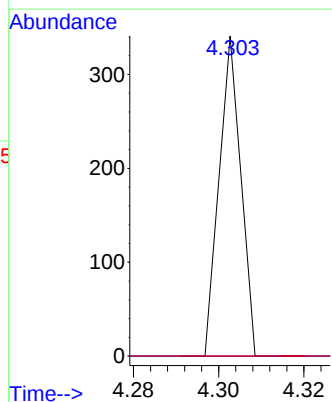
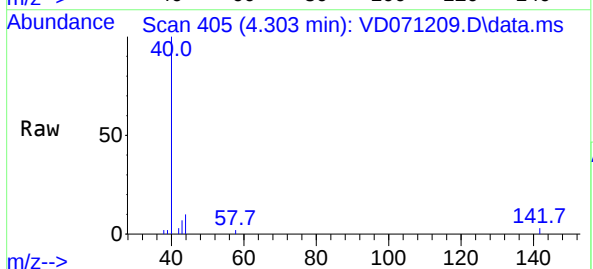
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 235178
Ion Ratio Lower Upper
168 100
99 63.9 46.6 69.8



#10
Methyl Iodide
Concen: 4.600 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Tgt Ion:142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

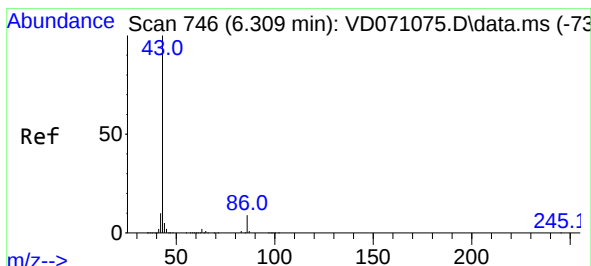
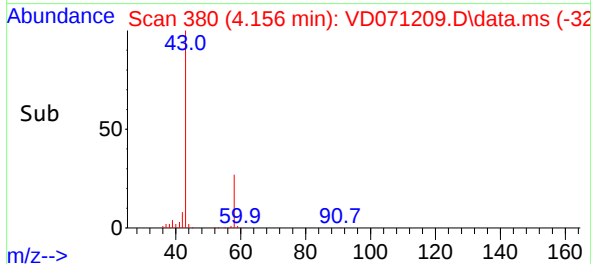
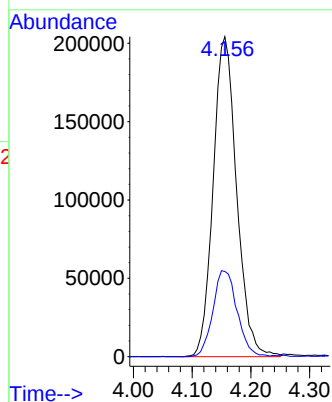
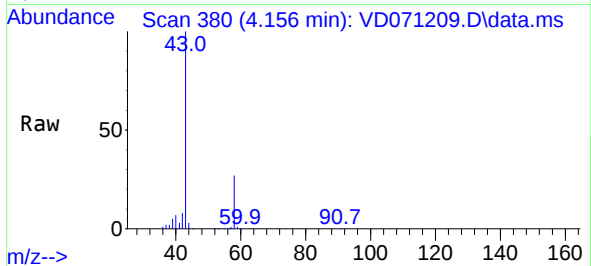




#16
Acetone
Concen: 708.727 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

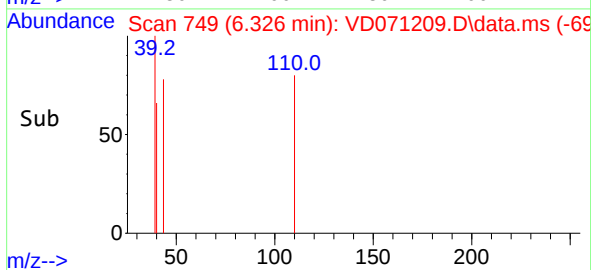
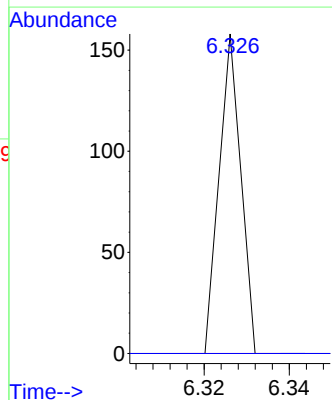
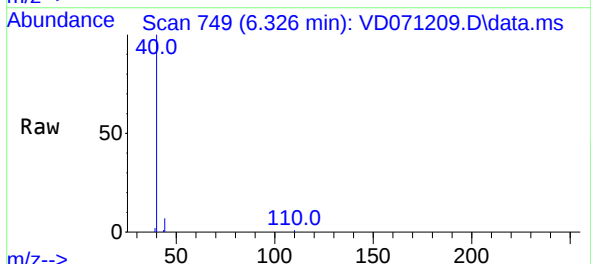
Instrument :
MSVOA_D
ClientSampleId :

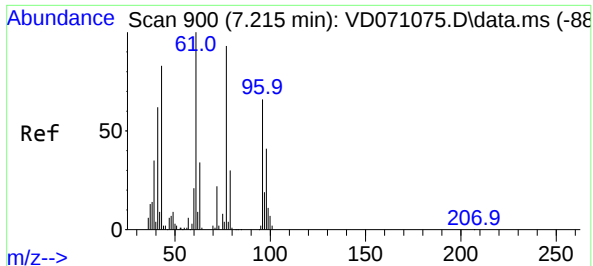
Tgt Ion: 43 Resp: 566552
Ion Ratio Lower Upper
43 100
58 26.7 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.229 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.017 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

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





#25

2-Butanone

Concen: 29.255 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.007 min

Lab File: VD071209.D

Acq: 08 Dec 2021 16:54

Instrument :

MSVOA_D

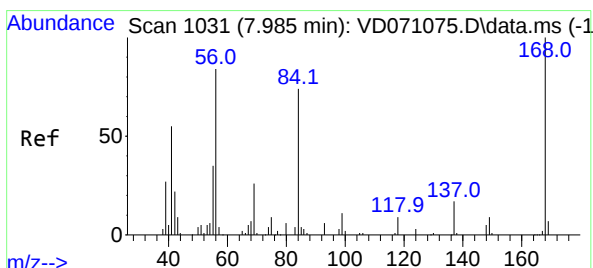
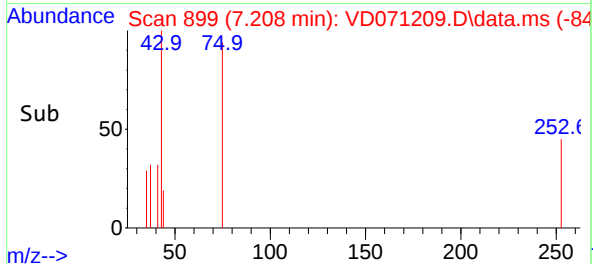
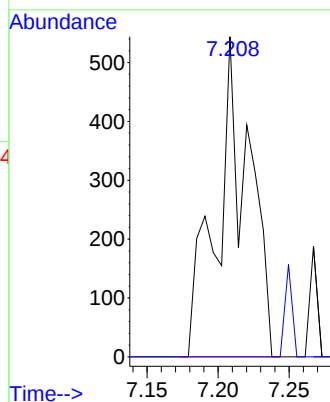
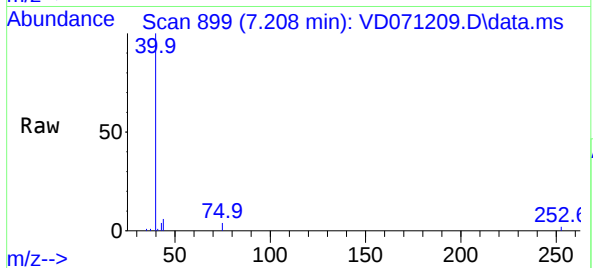
ClientSampleId :

Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.512 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071209.D

Acq: 08 Dec 2021 16:54

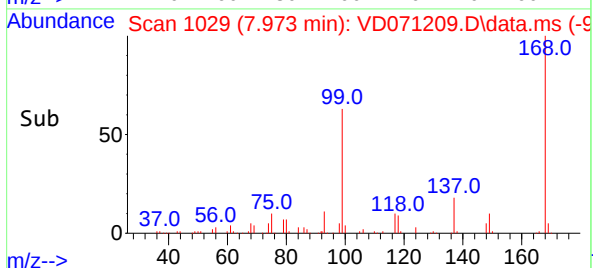
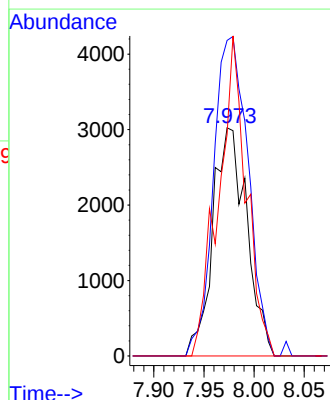
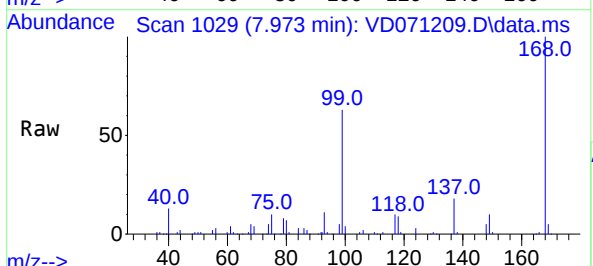
Tgt Ion: 56 Resp: 7095

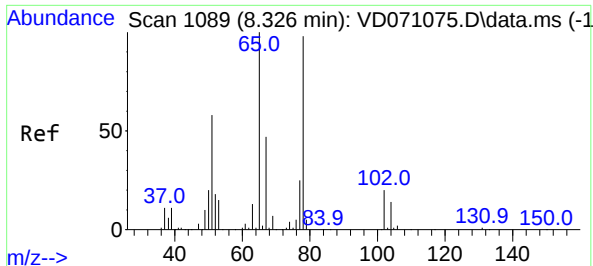
Ion Ratio Lower Upper

56 100

69 138.3 25.9 38.9#

84 97.1 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 50.017 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071209.D

Acq: 08 Dec 2021 16:54

Instrument :

MSVOA_D

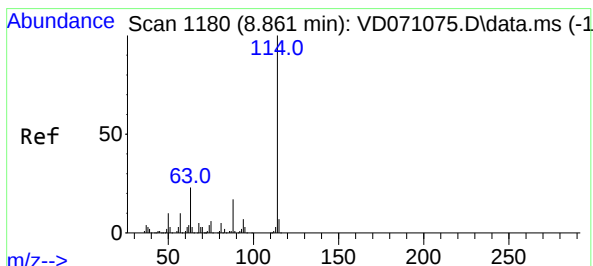
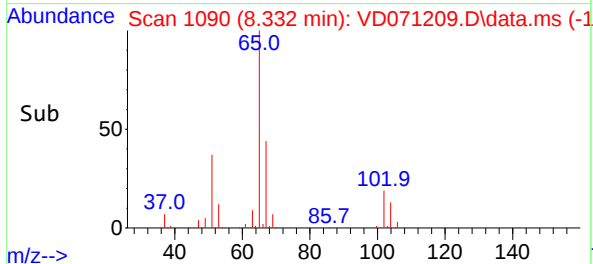
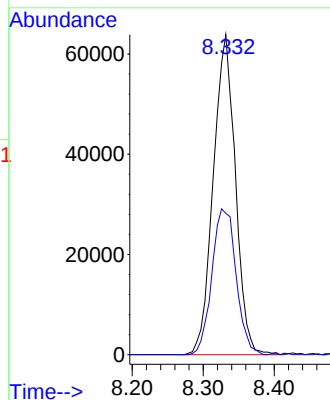
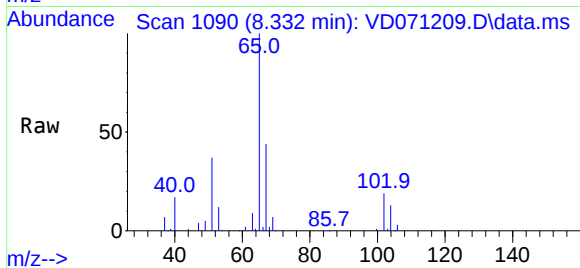
ClientSampleId :

Tgt Ion: 65 Resp: 138024

Ion Ratio Lower Upper

65 100

67 49.9 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: VD071209.D

Acq: 08 Dec 2021 16:54

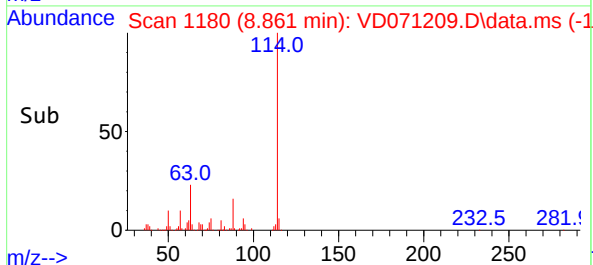
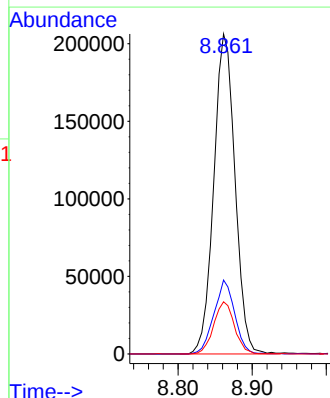
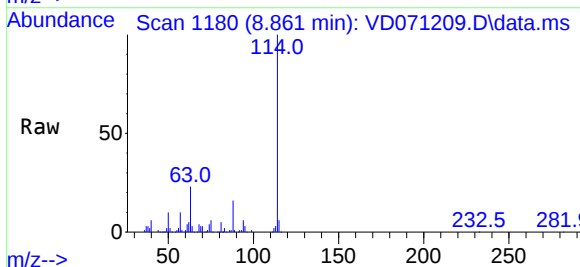
Tgt Ion: 114 Resp: 410686

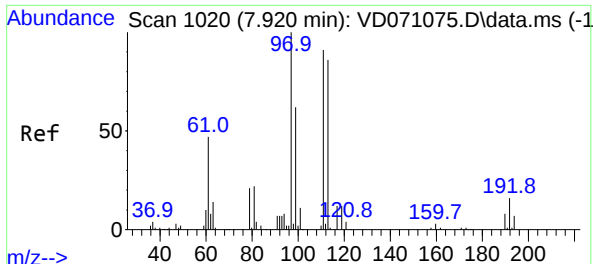
Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.8

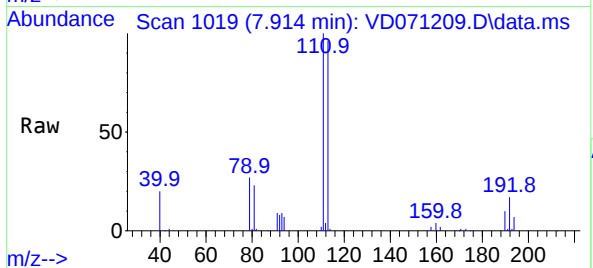
88 16.3 0.0 32.8



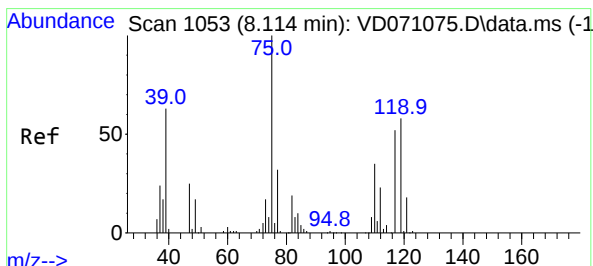
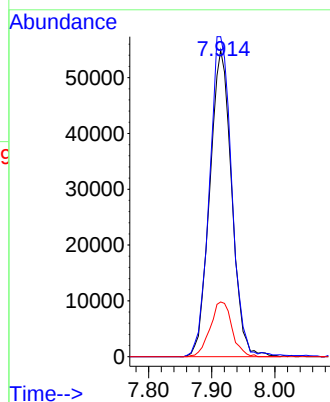
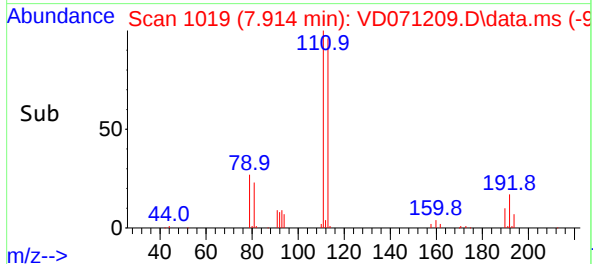


#35
Dibromofluoromethane
Concen: 50.531 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Instrument :
MSVOA_D
ClientSampleId :

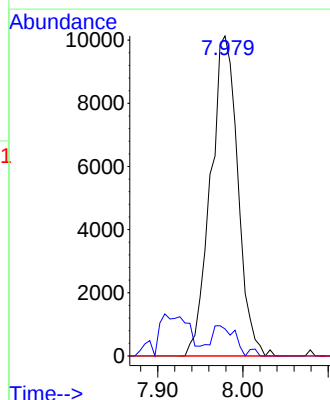
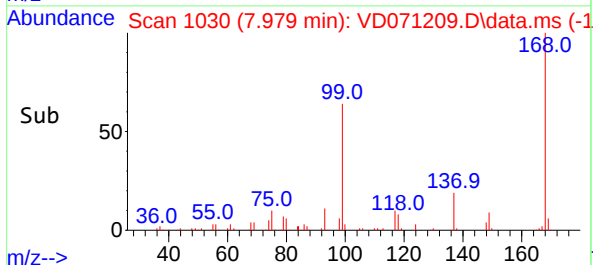
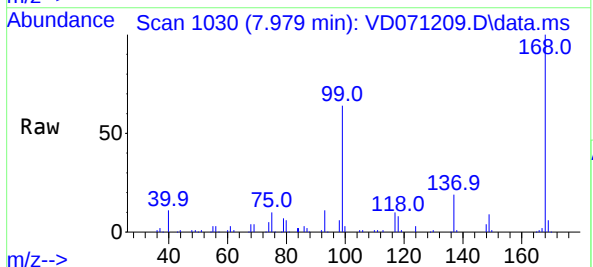


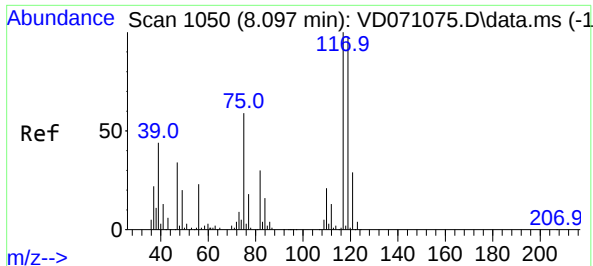
Tgt Ion:113 Resp: 132148
Ion Ratio Lower Upper
113 100
111 105.5 82.0 123.0
192 17.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.845 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

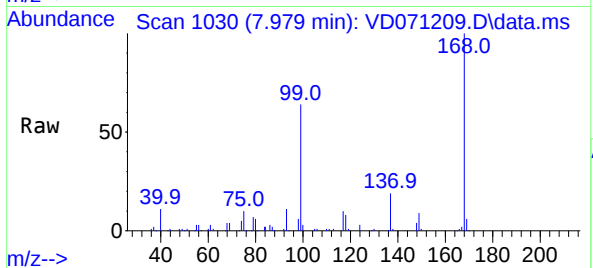
Tgt Ion: 75 Resp: 22437
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.4#
77 0.0 24.8 37.2#



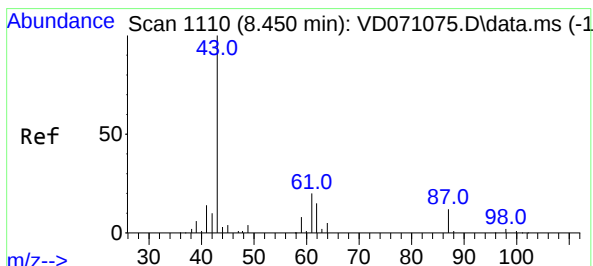
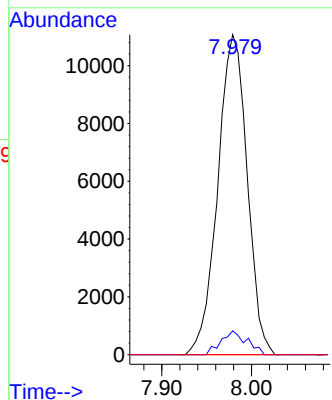
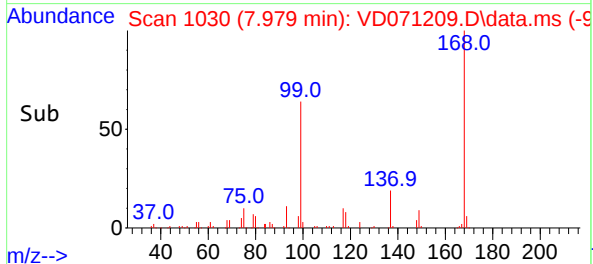


#38
Carbon Tetrachloride
Concen: 6.655 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

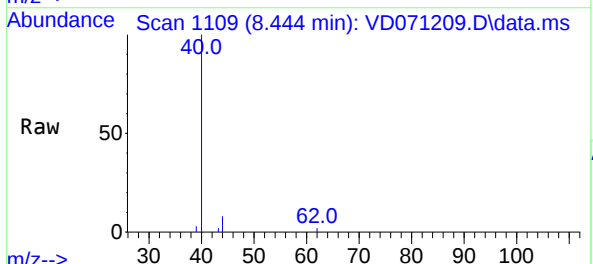
Instrument :
MSVOA_D
ClientSampleId :



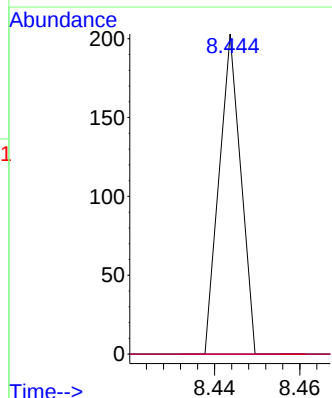
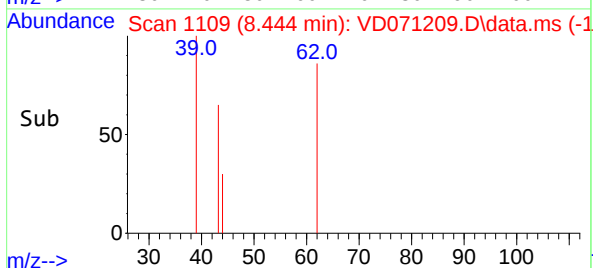
Tgt Ion:117 Resp: 25180
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.6#
121 0.0 23.6 35.4#

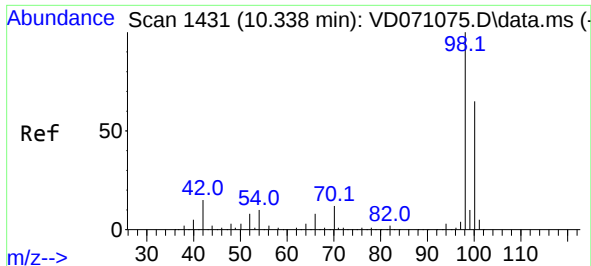


#43
Isopropyl Acetate
Concen: 5.241 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54



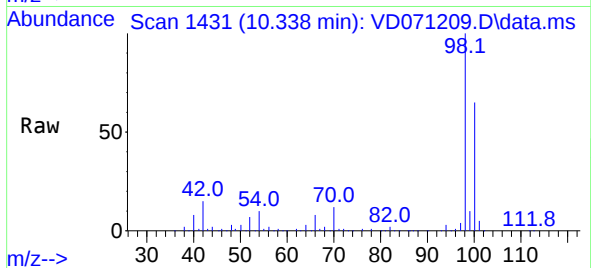
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



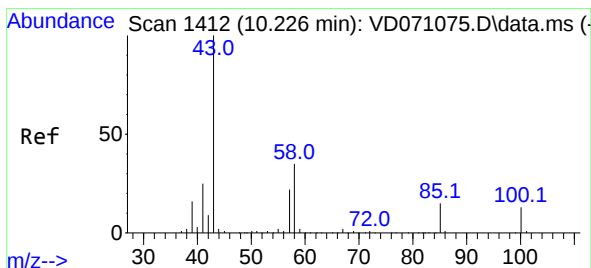
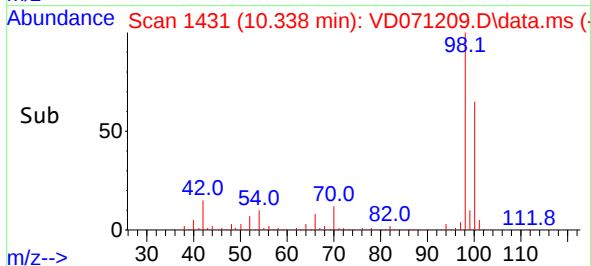
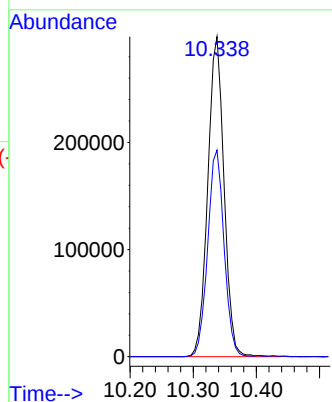


#50
Toluene-d8
Concen: 53.525 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Instrument :
MSVOA_D
ClientSampleId :

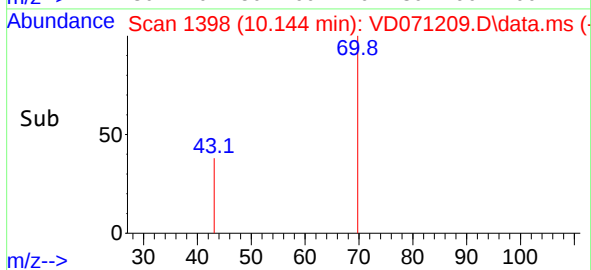
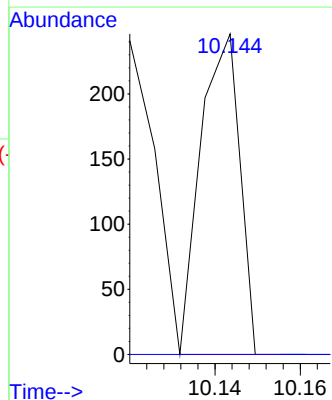
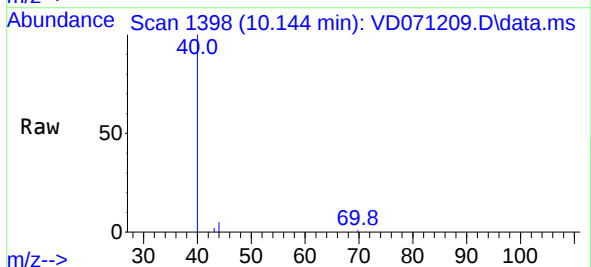


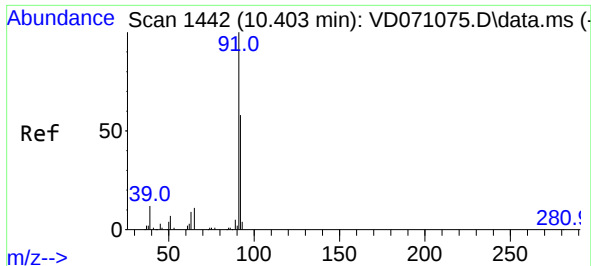
Tgt Ion: 98 Resp: 532695
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.725 ug/l
RT: 10.144 min Scan# 1398
Delta R.T. -0.082 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

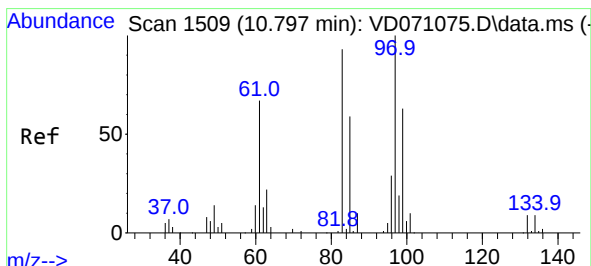
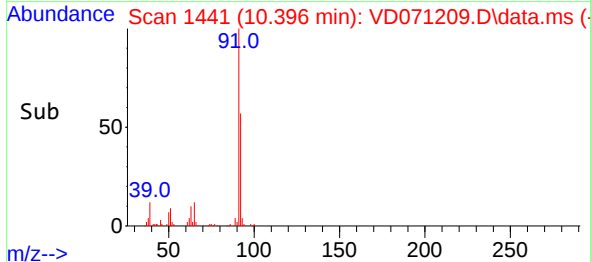
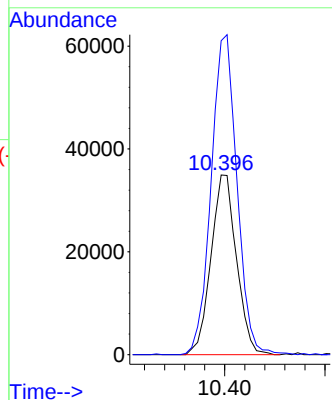
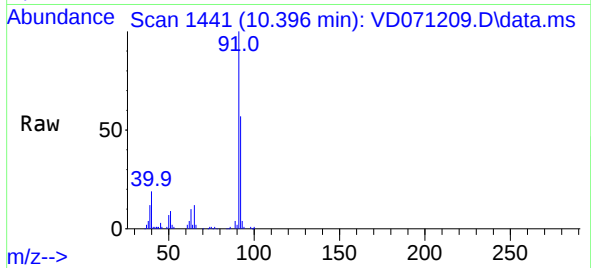




#52
Toluene
Concen: 9.323 ug/l
RT: 10.396 min Scan# 1442
Delta R.T. -0.007 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

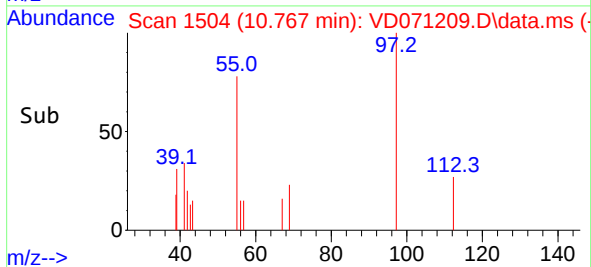
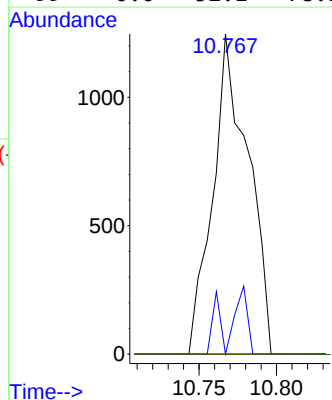
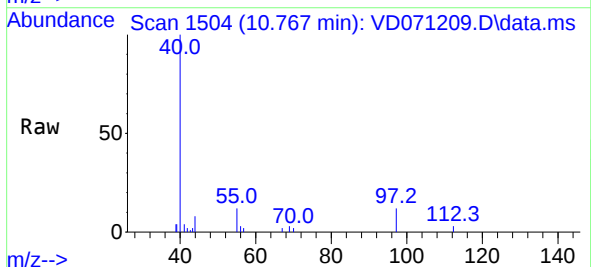
Instrument :
MSVOA_D
ClientSampleId :

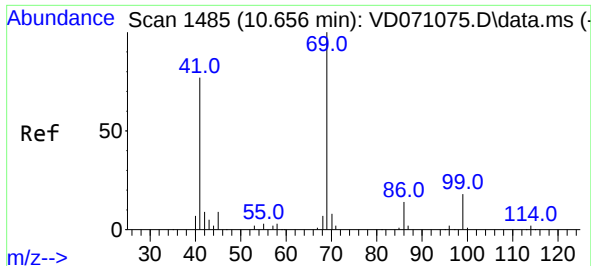
Tgt Ion: 92 Resp: 61674
Ion Ratio Lower Upper
92 100
91 180.2 140.7 211.1



#55
1,1,2-Trichloroethane
Concen: 1.060 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.030 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Tgt Ion: 97 Resp: 1979
Ion Ratio Lower Upper
97 100
83 0.0 65.2 97.8#
85 0.0 43.4 65.0#
99 0.0 52.1 78.1#

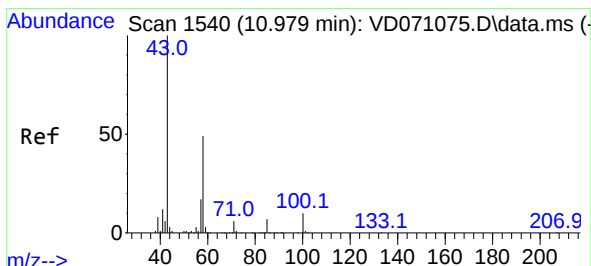
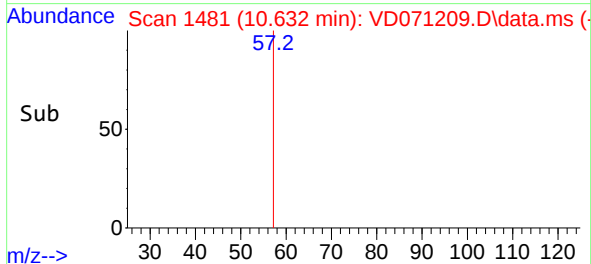
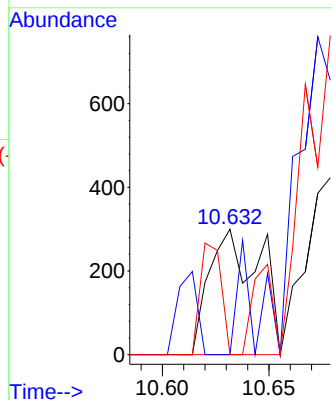
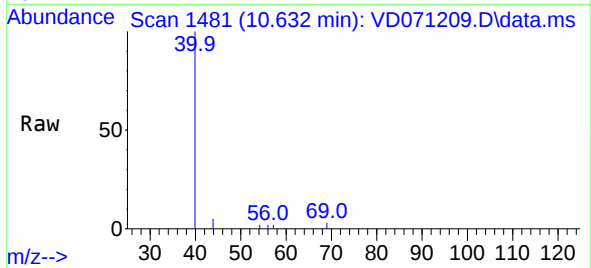




#56
Ethyl methacrylate
Concen: 6.130 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.024 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

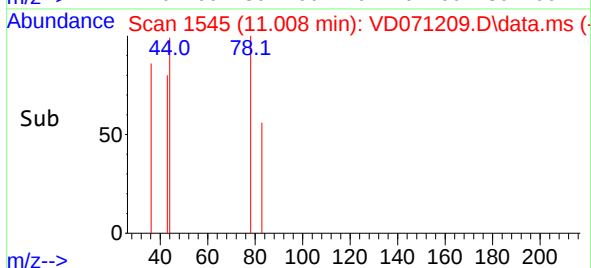
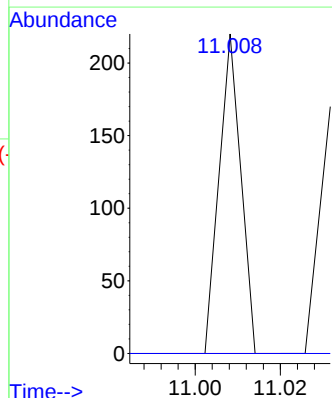
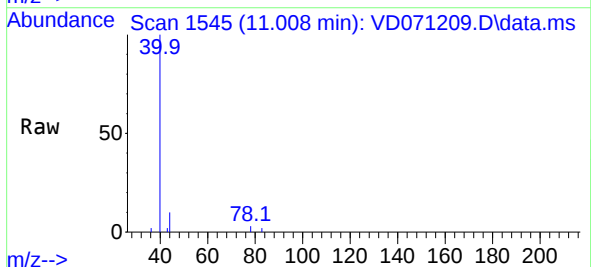
Instrument :
MSVOA_D
ClientSampleId :

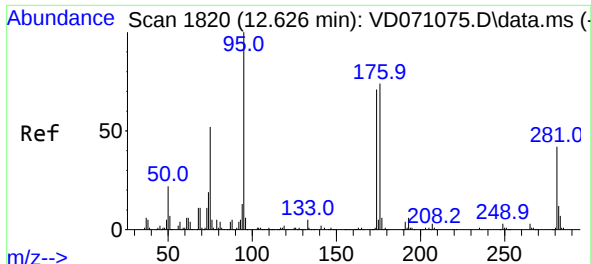
Tgt Ion: 69 Resp: 487
Ion Ratio Lower Upper
69 100
41 19.7 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.622 ug/l
RT: 11.008 min Scan# 1545
Delta R.T. 0.029 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

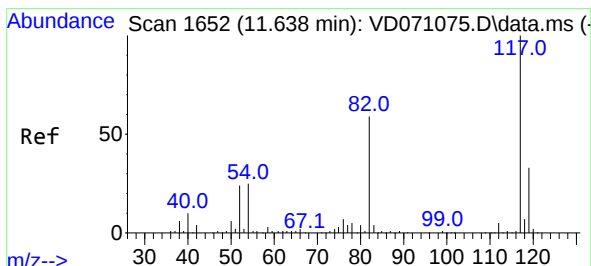
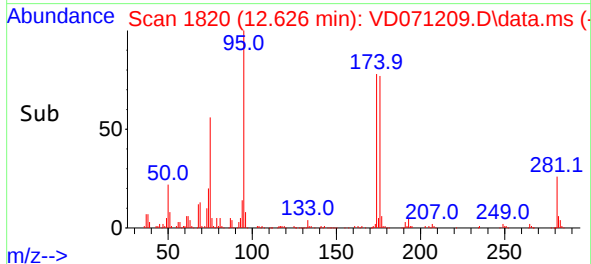
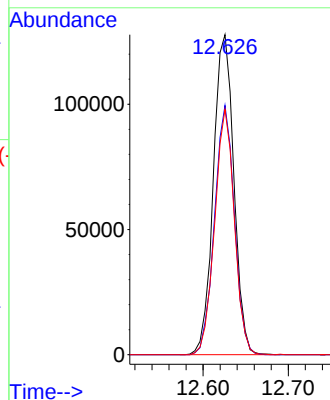
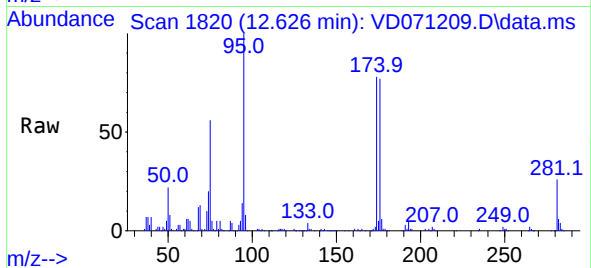




#62
4-Bromofluorobenzene
Concen: 61.794 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

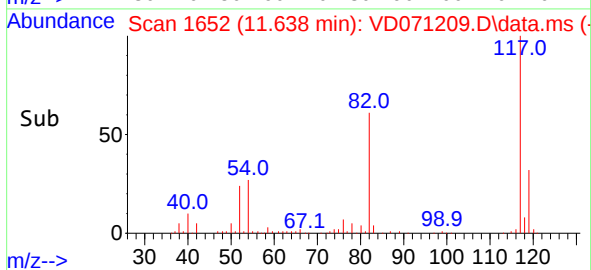
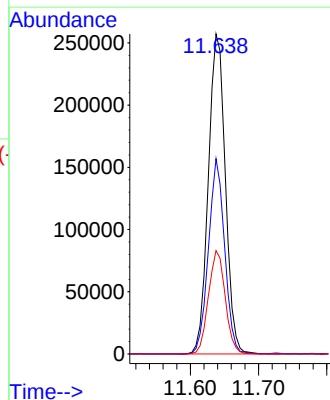
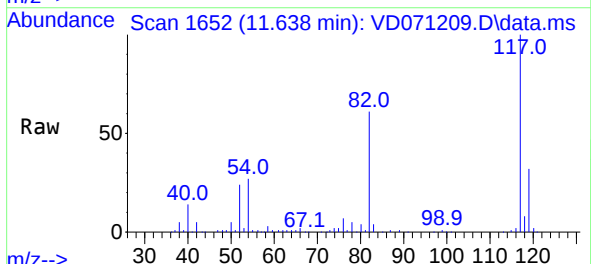
Instrument :
MSVOA_D
ClientSampleId :

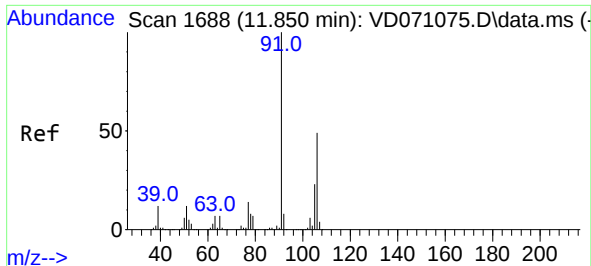
Tgt Ion: 95 Resp: 213176
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 73.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Tgt Ion: 117 Resp: 446737
Ion Ratio Lower Upper
117 100
82 61.0 44.7 67.1
119 32.3 26.2 39.4

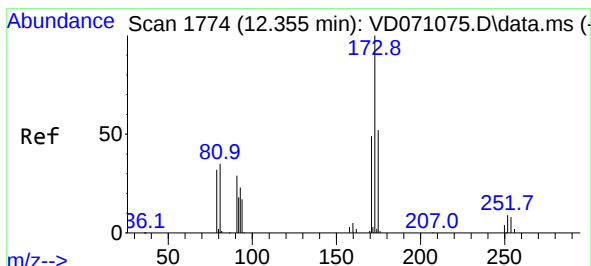
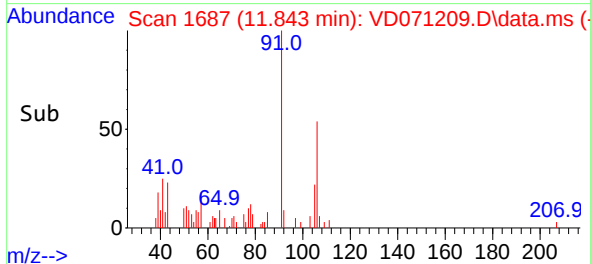
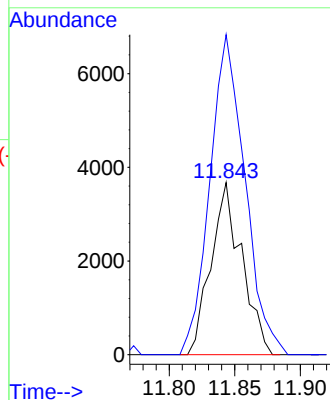
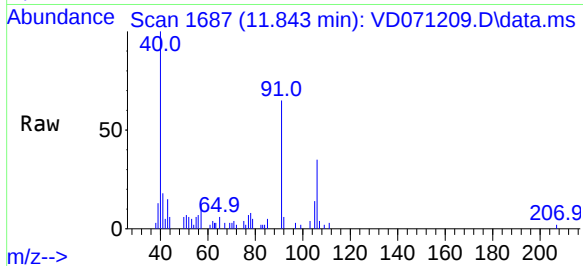




#68
m/p-Xylenes
Concen: 1.022 ug/l
RT: 11.843 min Scan# 11
Delta R.T. -0.007 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

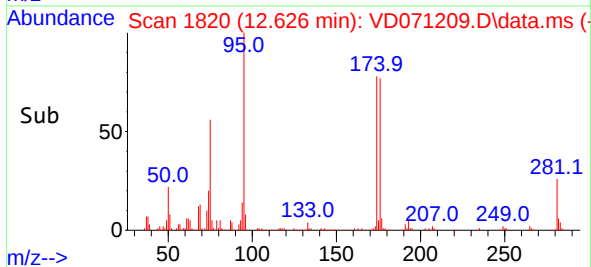
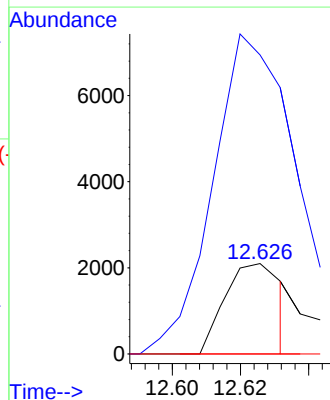
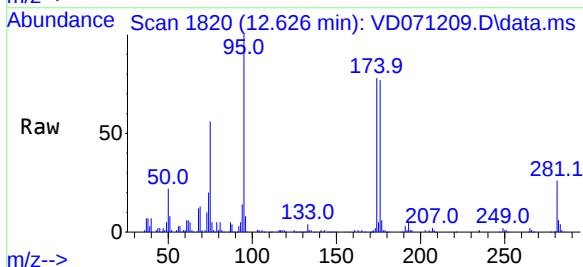
Instrument :
MSVOA_D
ClientSampleId :

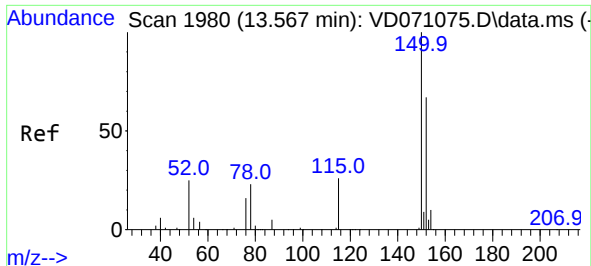
Tgt Ion:106 Resp: 6019
Ion Ratio Lower Upper
106 100
91 211.1 160.1 240.1



#71
Bromoform
Concen: 1.549 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Tgt Ion:173 Resp: 2428
Ion Ratio Lower Upper
173 100
175 421.9 24.1 72.2#
254 0.0 0.1 0.1#

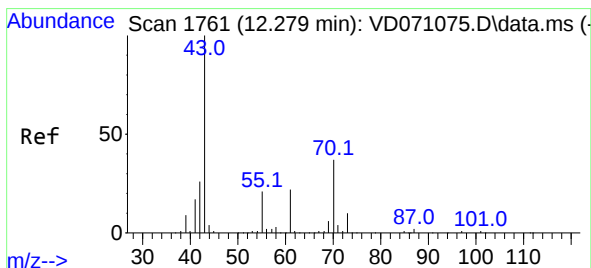
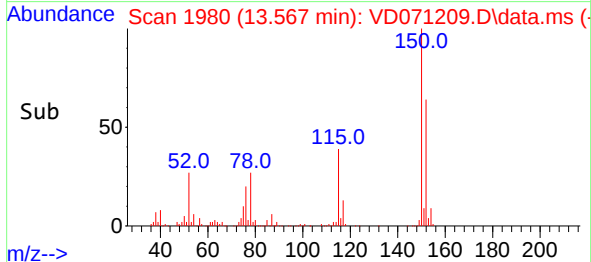
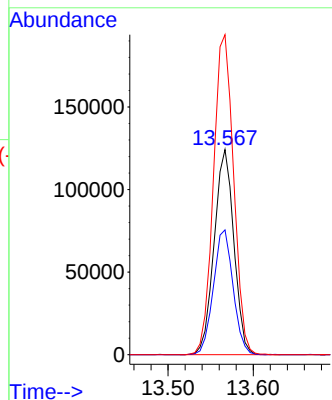
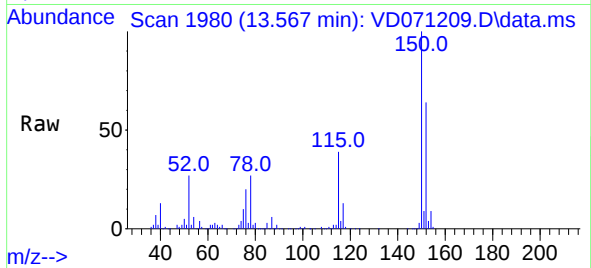




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

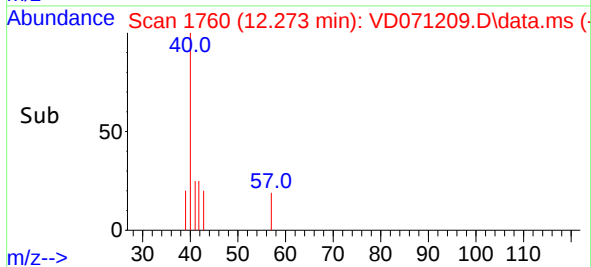
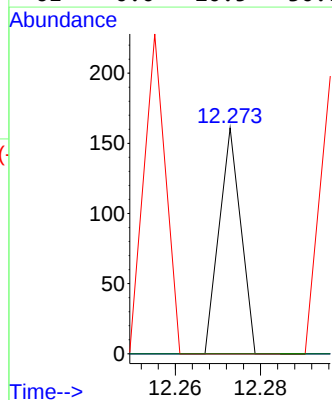
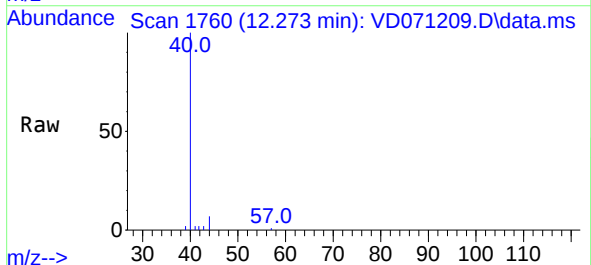
Instrument :
MSVOA_D
ClientSampleId :

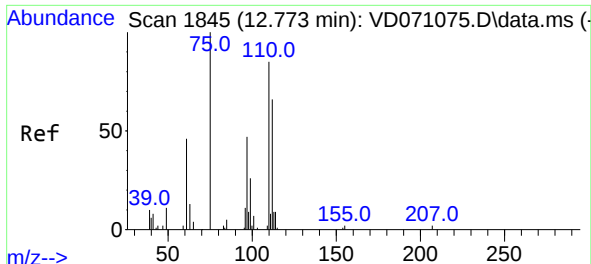
Tgt Ion:152 Resp: 199994
Ion Ratio Lower Upper
152 100
115 60.8 29.8 89.3
150 159.9 0.0 349.2



#74
N-ethyl acetate
Concen: 5.714 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Tgt Ion: 43 Resp: 57
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#

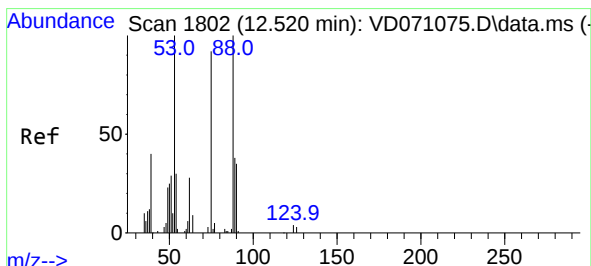
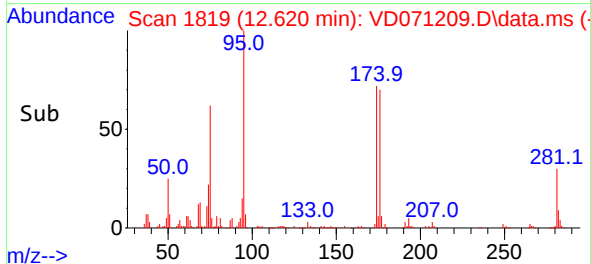
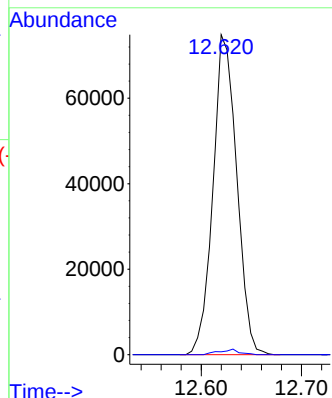
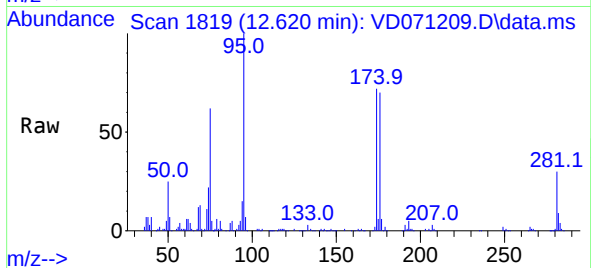




#76
1,2,3-Trichloropropane
Concen: 64.580 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 123054
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.379 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071209.D
Acq: 08 Dec 2021 16:54

Tgt Ion: 75 Resp: 123054
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.6 34.5 51.7#

