

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071235.D
 Acq On : 09 Dec 2021 18:26
 Operator : VA/SY
 Sample : M4967-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:47:08 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)

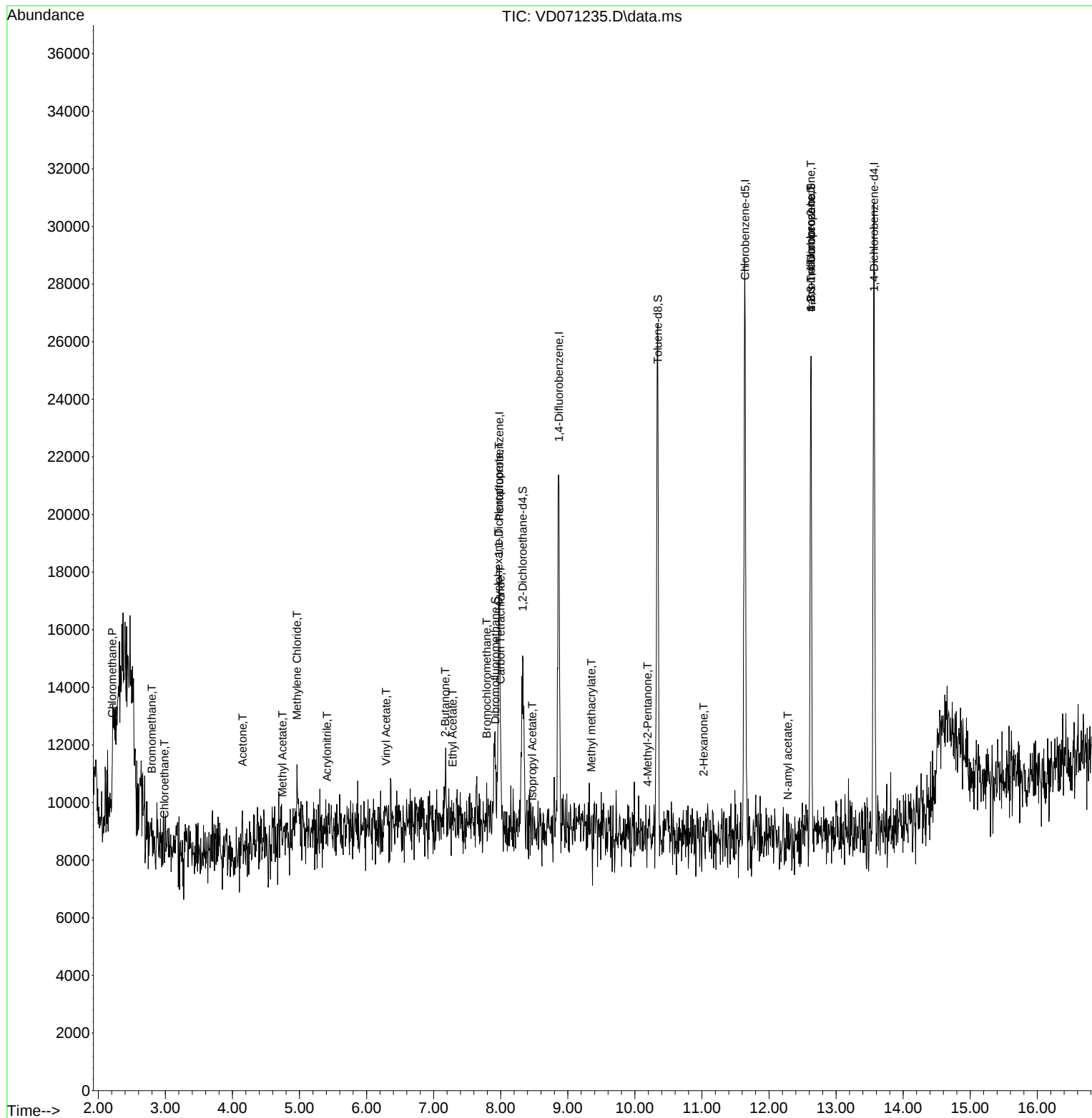
Internal Standards						
1) Pentafluorobenzene	7.979	168	6189	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	10889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	10952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	5195	71.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.080%			
35) Dibromofluoromethane	7.920	113	2885	41.607	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 83.220%			
50) Toluene-d8	10.344	98	12227	46.336	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.680%			
62) 4-Bromofluorobenzene	12.626	95	5146	56.260	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.520%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	340	4.869	ug/l #	42
5) Bromomethane	2.797	94	407	7.248	ug/l #	79
6) Chloroethane	2.985	64	109	2.034	ug/l #	39
15) Acrylonitrile	5.409	53	56	4.025	ug/l #	19
16) Acetone	4.150	43	120	36.253	ug/l #	40
18) Methyl Acetate	4.744	43	86	1.605	ug/l #	51
20) Methylene Chloride	4.962	84	517	3.141	ug/l #	59
23) Vinyl Acetate	6.291	43	244	29.057	ug/l #	72
25) 2-Butanone	7.173	43	80	31.544	ug/l #	45
28) Bromochloromethane	7.791	49	74	1.355	ug/l #	14
31) Cyclohexane	7.967	56	263	2.129	ug/l #	34
36) 1,1-Dichloropropene	7.973	75	447	4.392	ug/l #	41
37) Ethyl Acetate	7.285	43	54	1.228	ug/l #	66
38) Carbon Tetrachloride	7.997	117	160	1.595	ug/l #	12
41) Methacrylonitrile	7.515	41	54	Below Cal	#	1
43) Isopropyl Acetate	8.467	43	69	5.862	ug/l #	47
48) Methyl methacrylate	9.350	41	59	1.371	ug/l #	15
51) 4-Methyl-2-Pentanone	10.191	43	132	32.988	ug/l #	34
59) 2-Hexanone	11.026	43	116	37.250	ug/l #	22
74) N-amyl acetate	12.279	43	56	6.166	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	2885	56.231	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	2885	122.108	ug/l #	20

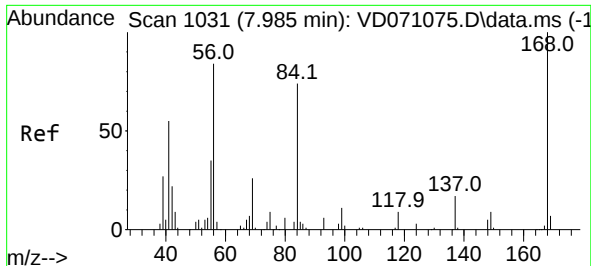
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

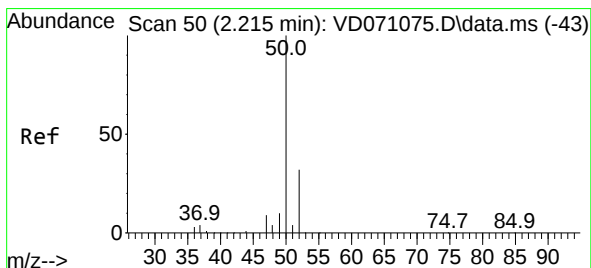
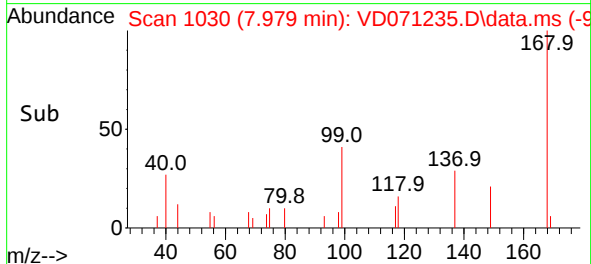
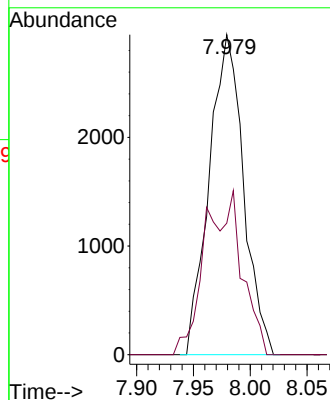
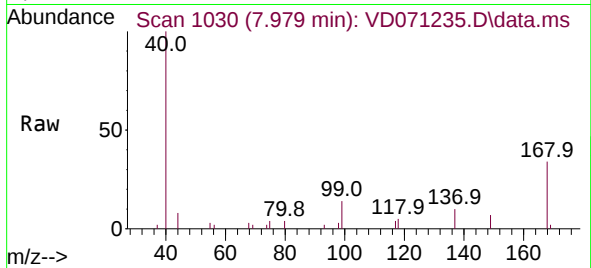




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

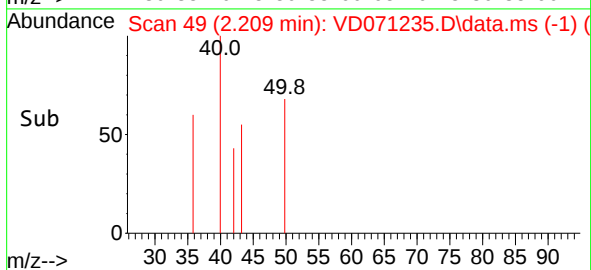
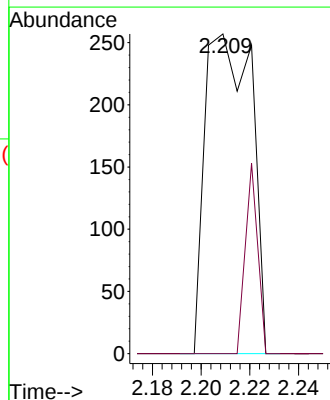
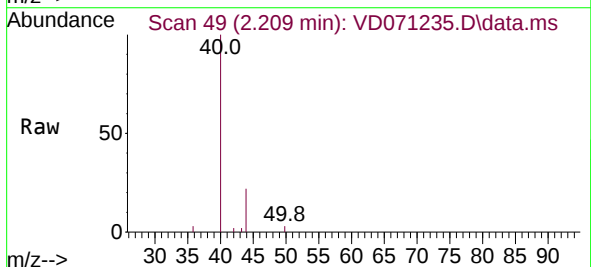
Instrument :
MSVOA_D
ClientSampleId :

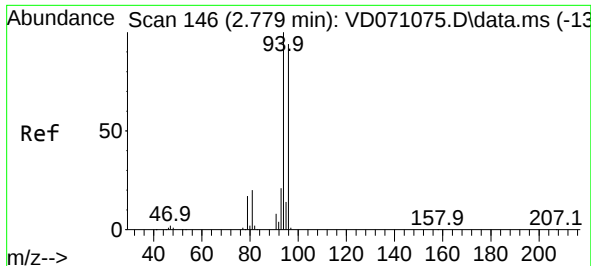
Tgt Ion:168 Resp: 6189
Ion Ratio Lower Upper
168 100
99 41.1 46.6 69.8#



#3
Chloromethane
Concen: 4.869 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

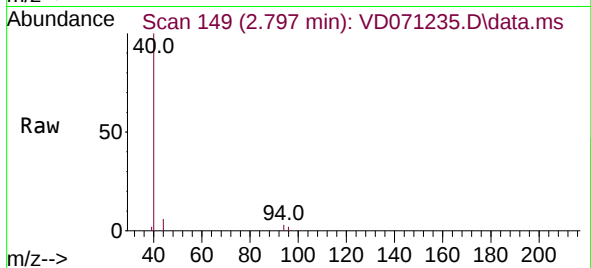
Tgt Ion: 50 Resp: 340
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



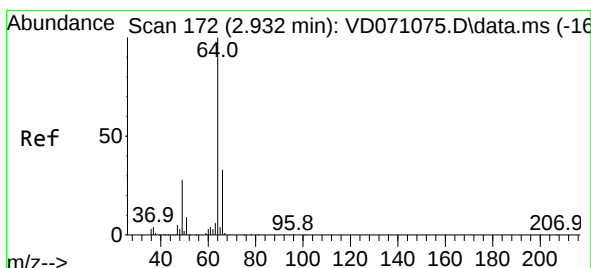
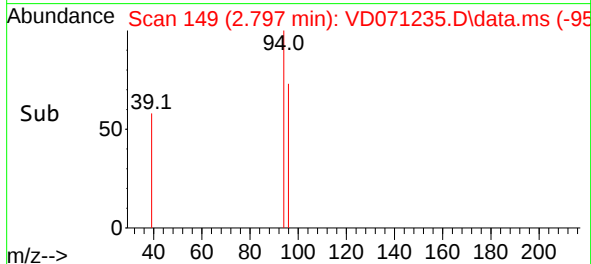
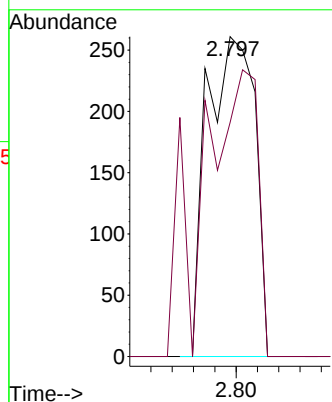


#5
Bromomethane
Concen: 7.248 ug/l
RT: 2.797 min Scan# 146
Delta R.T. 0.018 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Instrument :
MSVOA_D
ClientSampleId :

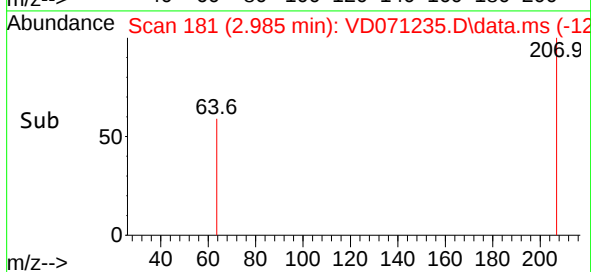
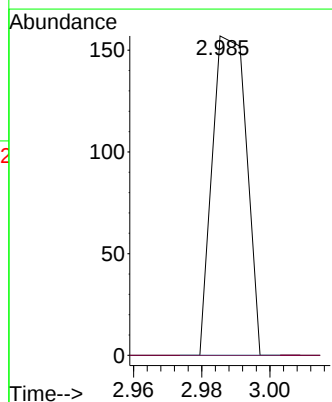
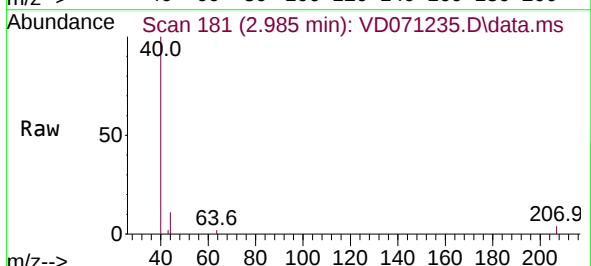


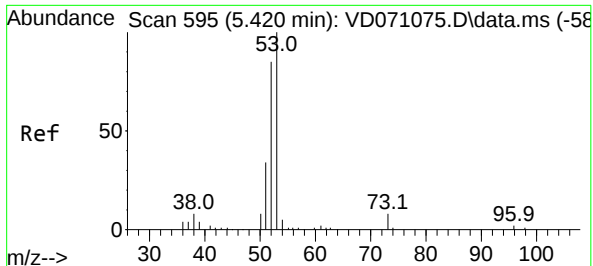
Tgt Ion: 94 Resp: 407
Ion Ratio Lower Upper
94 100
96 73.2 74.8 112.2#



#6
Chloroethane
Concen: 2.034 ug/l
RT: 2.985 min Scan# 181
Delta R.T. 0.053 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

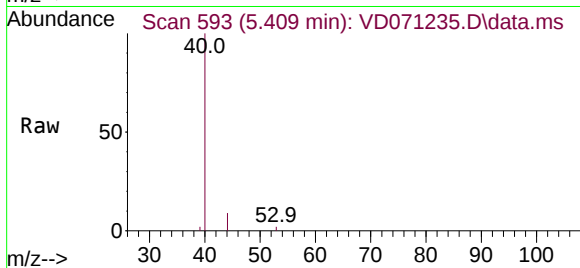
Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#



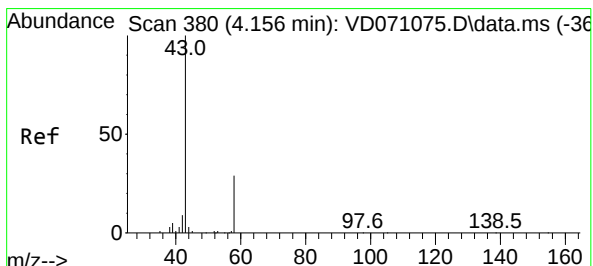
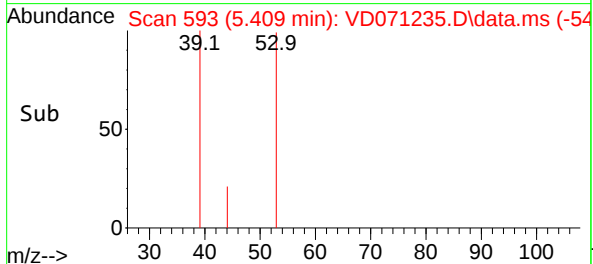
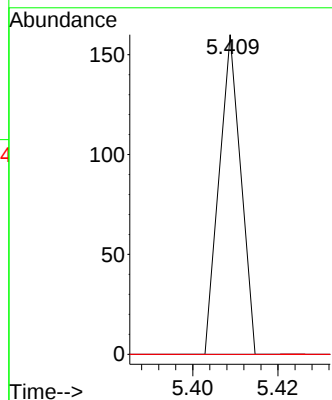


#15
Acrylonitrile
Concen: 4.025 ug/l
RT: 5.409 min Scan# 595
Delta R.T. -0.011 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Instrument :
MSVOA_D
ClientSampleId :

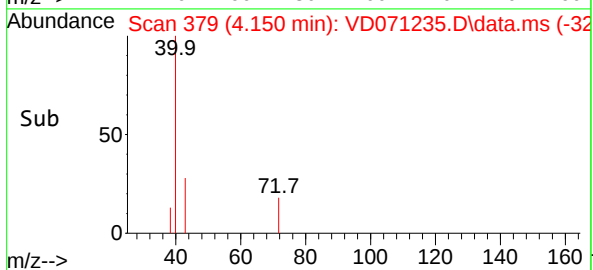
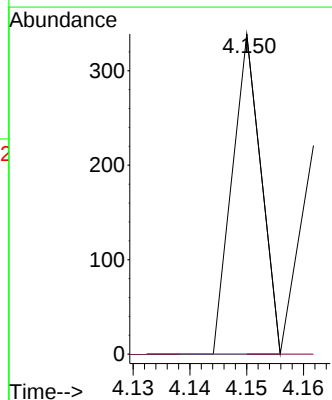
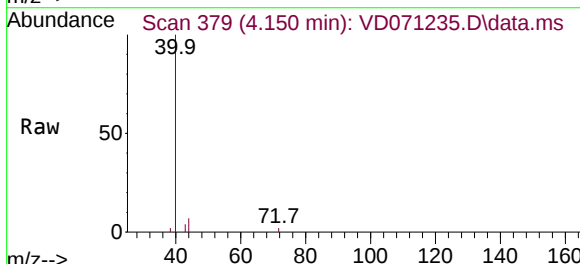


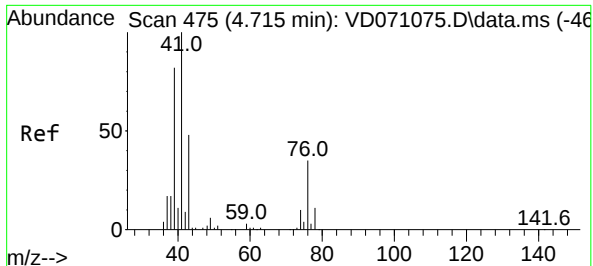
Tgt Ion: 53 Resp: 56
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 36.253 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#





#18

Methyl Acetate

Concen: 1.605 ug/l

RT: 4.744 min Scan# 41

Delta R.T. 0.029 min

Lab File: VD071235.D

Acq: 09 Dec 2021 18:26

Instrument :

MSVOA_D

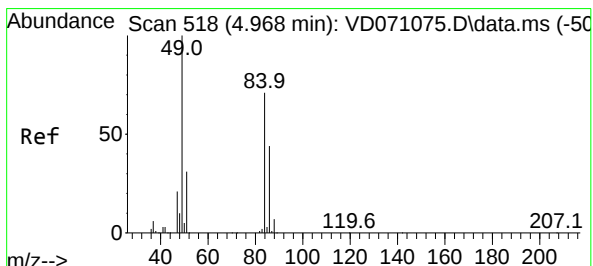
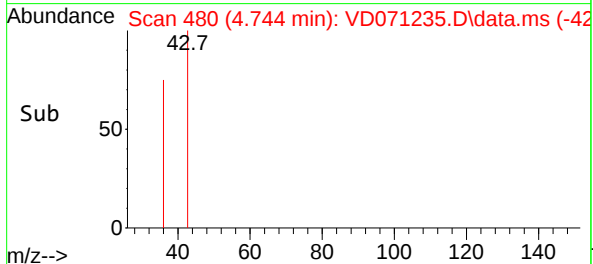
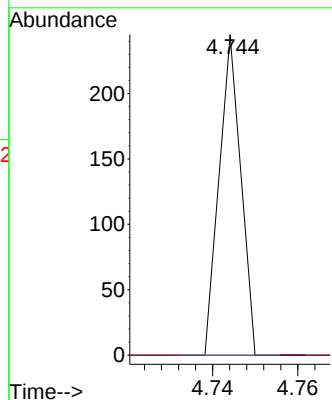
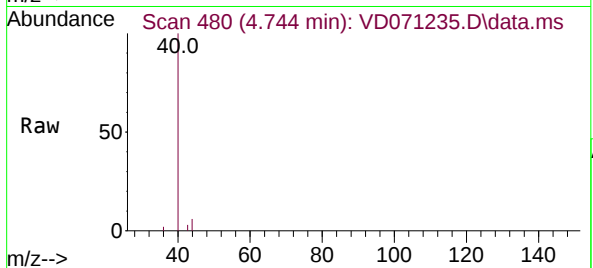
ClientSampleId :

Tgt Ion: 43 Resp: 86

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#



#20

Methylene Chloride

Concen: 3.141 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD071235.D

Acq: 09 Dec 2021 18:26

Tgt Ion: 84 Resp: 517

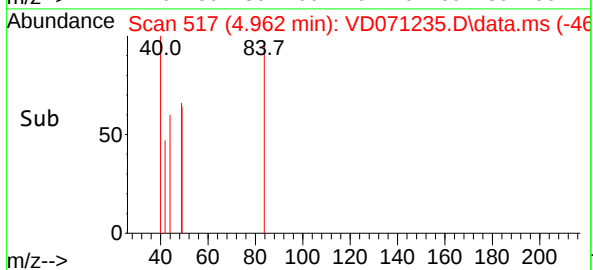
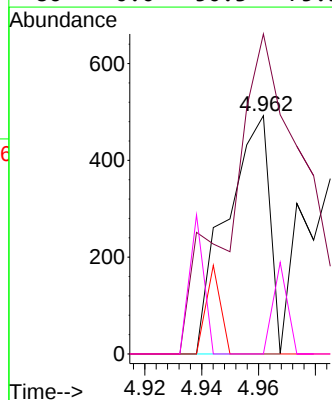
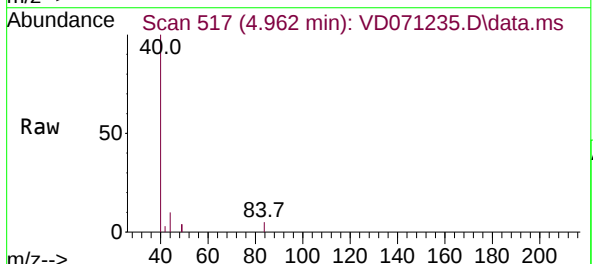
Ion Ratio Lower Upper

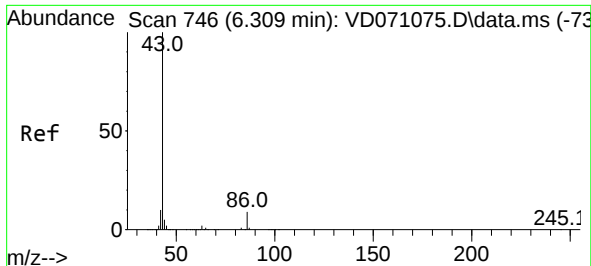
84 100

49 134.3 95.8 143.6

51 0.0 30.9 46.3#

86 0.0 50.3 75.5#

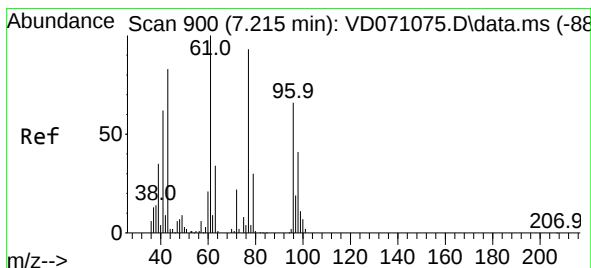
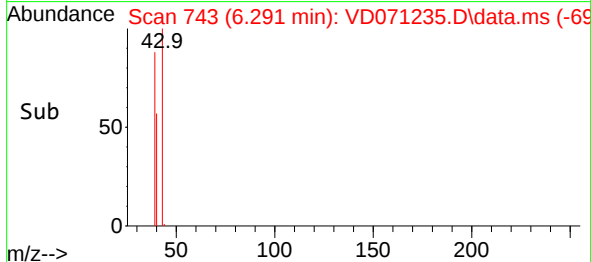
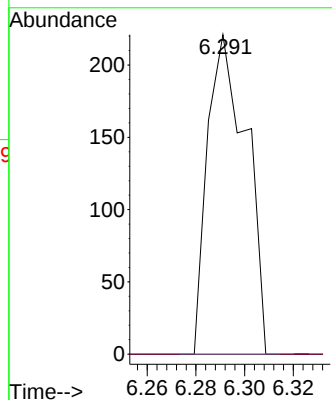
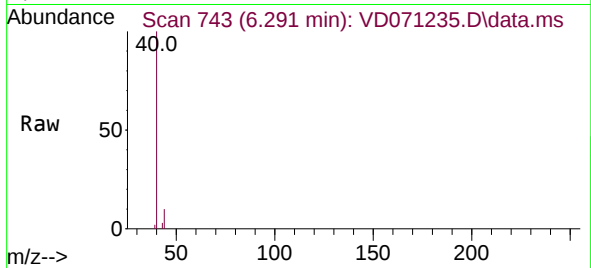




#23
 Vinyl Acetate
 Concen: 29.057 ug/l
 RT: 6.291 min Scan# 746
 Delta R.T. -0.018 min
 Lab File: VD071235.D
 Acq: 09 Dec 2021 18:26

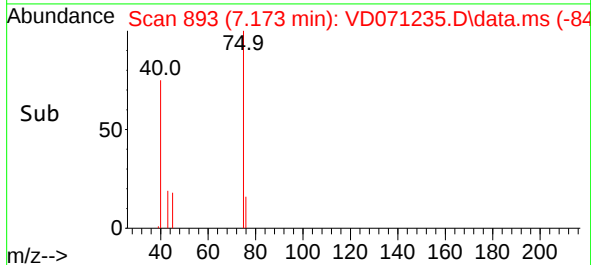
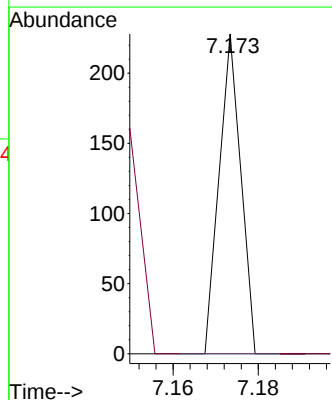
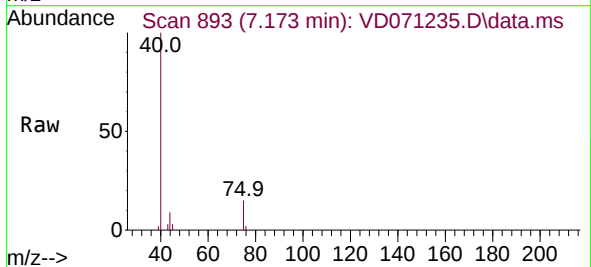
Instrument :
 MSVOA_D
 ClientSampleId :

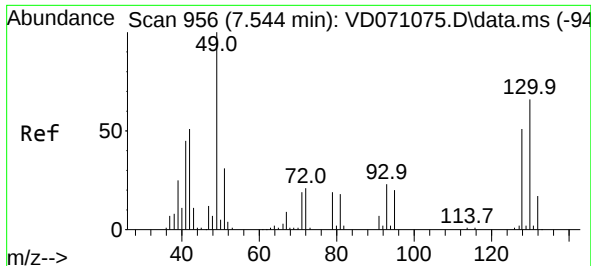
Tgt Ion: 43 Resp: 244
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 31.544 ug/l
 RT: 7.173 min Scan# 893
 Delta R.T. -0.042 min
 Lab File: VD071235.D
 Acq: 09 Dec 2021 18:26

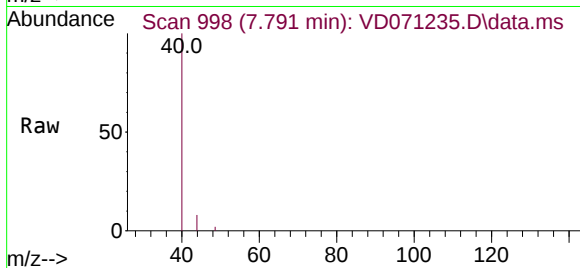
Tgt Ion: 43 Resp: 80
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



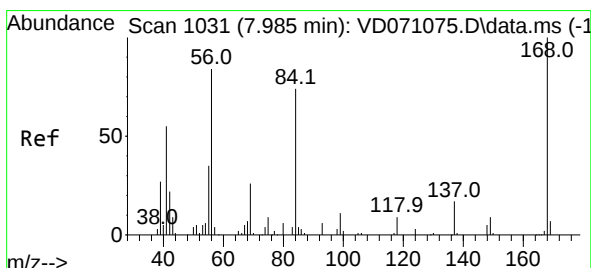
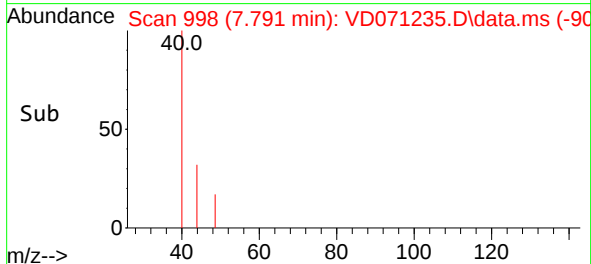
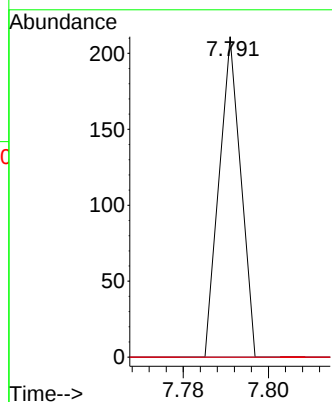


#28
Bromochloromethane
Concen: 1.355 ug/l
RT: 7.791 min Scan# 91
Delta R.T. 0.247 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Instrument :
MSVOA_D
ClientSampleId :

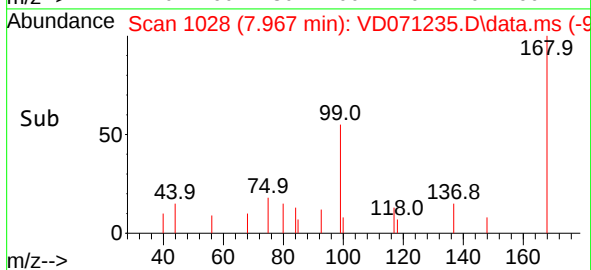
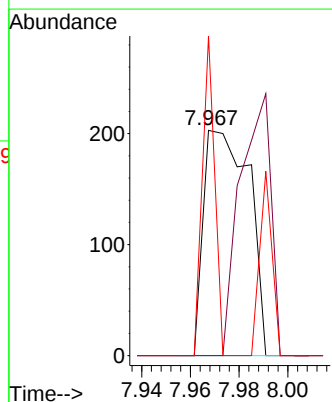
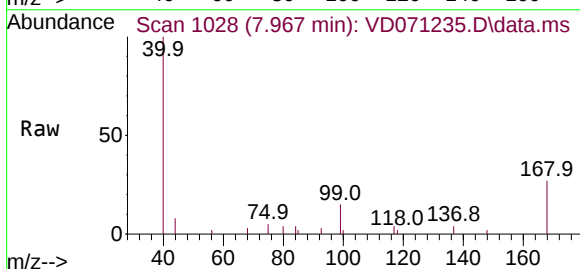


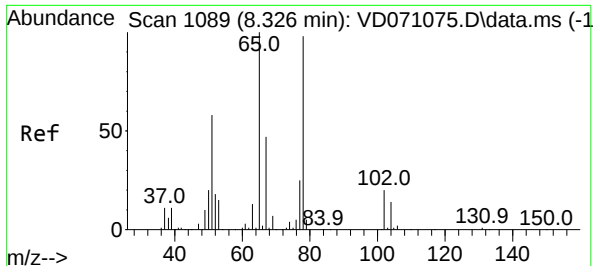
Tgt Ion: 49 Resp: 74
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 60.2 90.2#



#31
Cyclohexane
Concen: 2.129 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Tgt Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
69 0.0 25.9 38.9#
84 141.9 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 71.536 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD071235.D

Acq: 09 Dec 2021 18:26

Instrument :

MSVOA_D

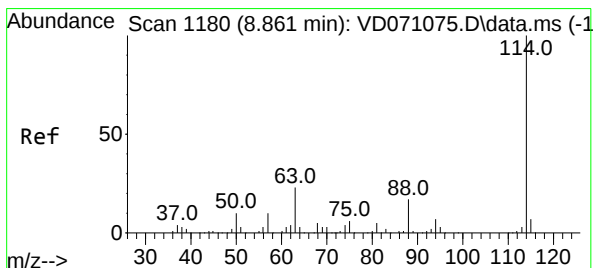
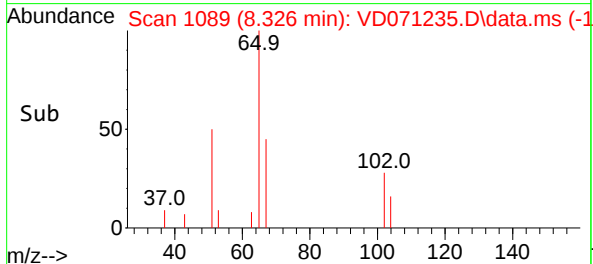
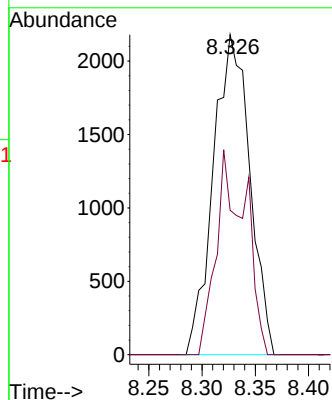
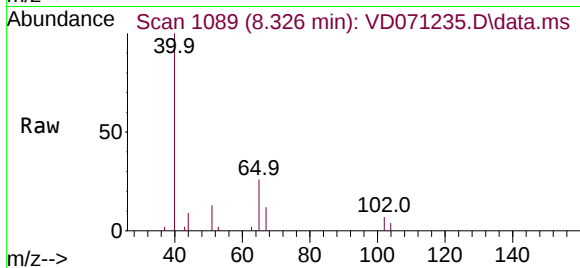
ClientSampleId :

Tgt Ion: 65 Resp: 5195

Ion Ratio Lower Upper

65 100

67 51.4 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD071235.D

Acq: 09 Dec 2021 18:26

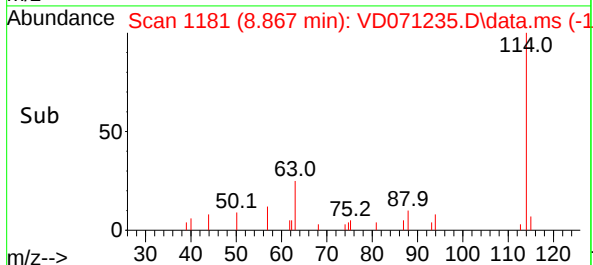
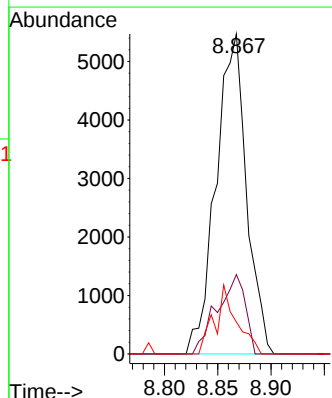
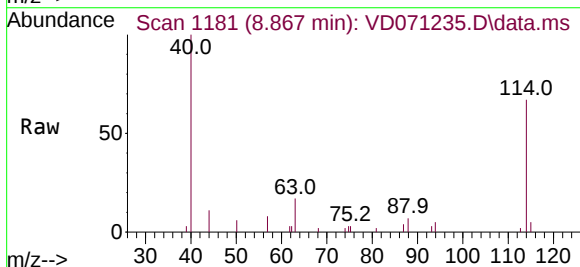
Tgt Ion: 114 Resp: 10889

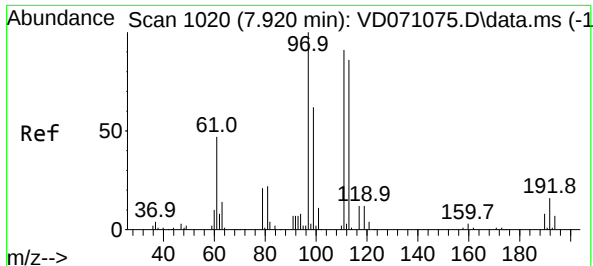
Ion Ratio Lower Upper

114 100

63 24.8 0.0 41.8

88 10.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 41.607 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

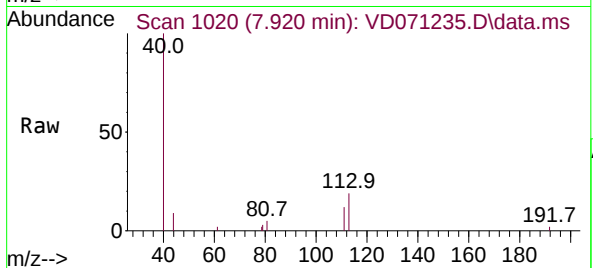
Lab File: VD071235.D

Acq: 09 Dec 2021 18:26

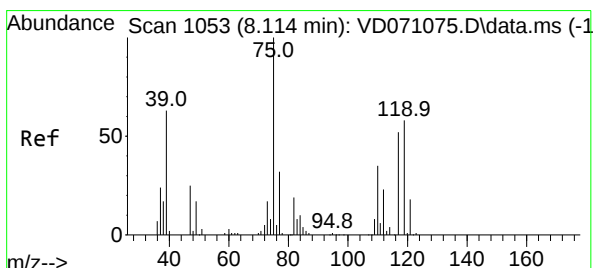
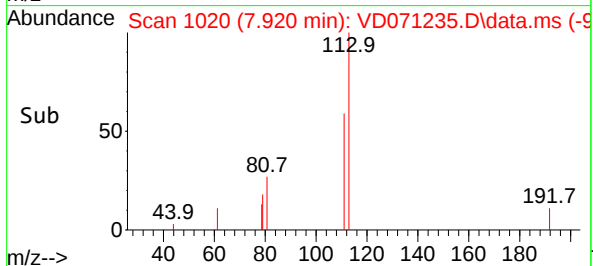
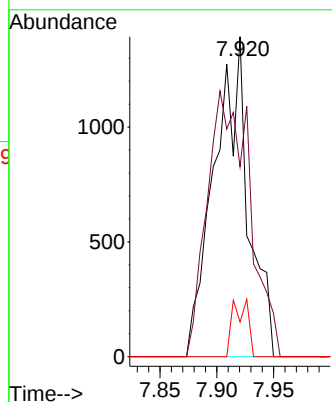
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	2885
Ion Ratio	Lower	Upper	
113	100		
111	0.0	82.0	123.0#
192	7.9	15.2	22.8#



#36

1,1-Dichloropropene

Concen: 4.392 ug/l

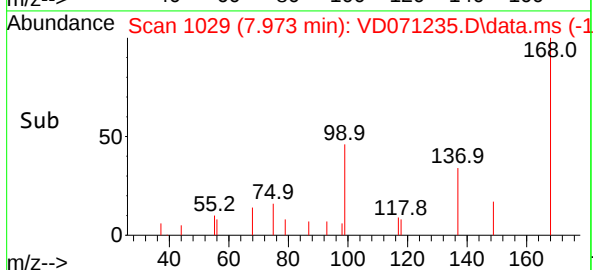
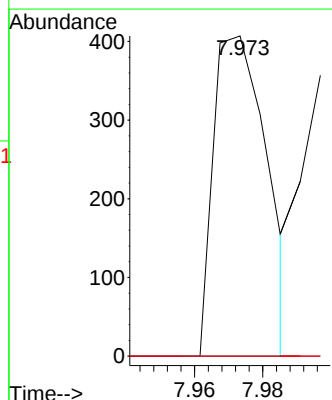
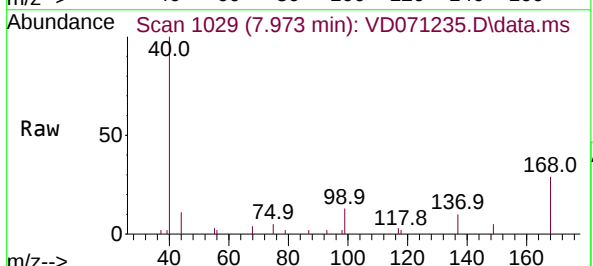
RT: 7.973 min Scan# 1029

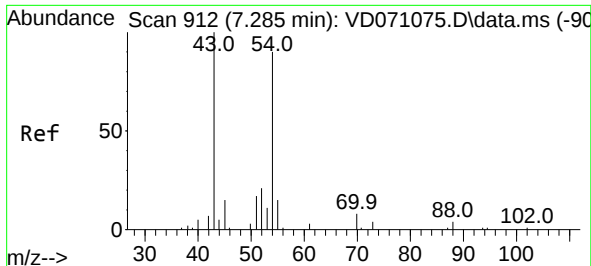
Delta R.T. -0.141 min

Lab File: VD071235.D

Acq: 09 Dec 2021 18:26

Tgt Ion:	75	Resp:	447
Ion Ratio	Lower	Upper	
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 1.228 ug/l

RT: 7.285 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD071235.D

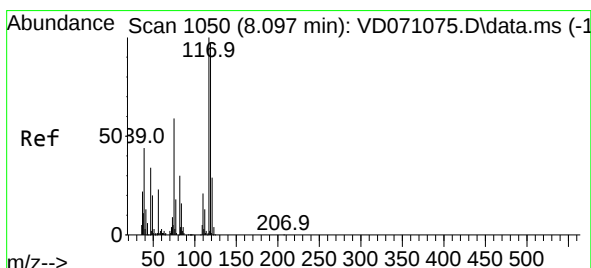
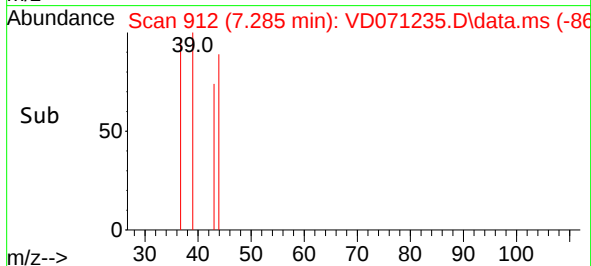
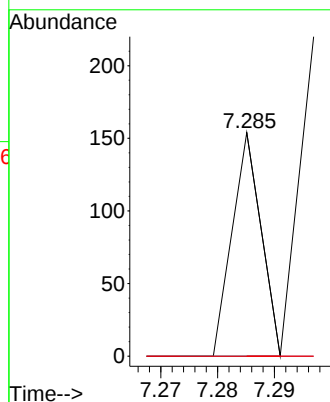
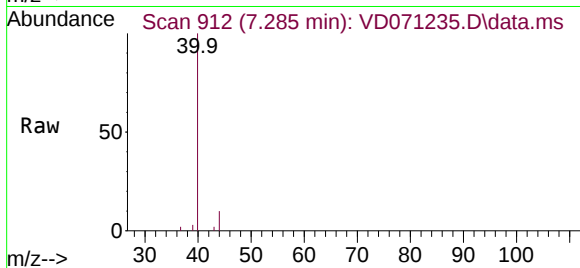
Acq: 09 Dec 2021 18:26

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	43	Resp:	54
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 1.595 ug/l

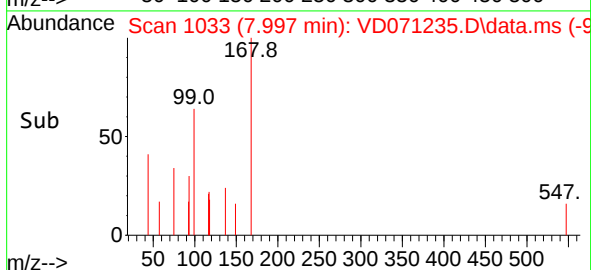
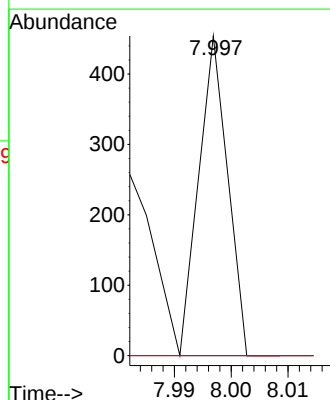
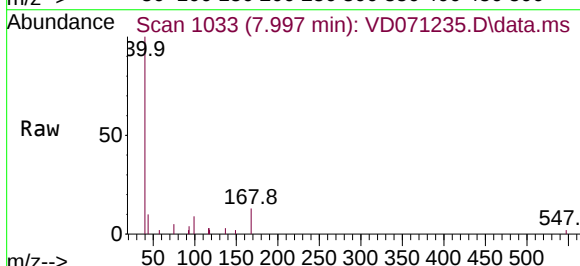
RT: 7.997 min Scan# 1033

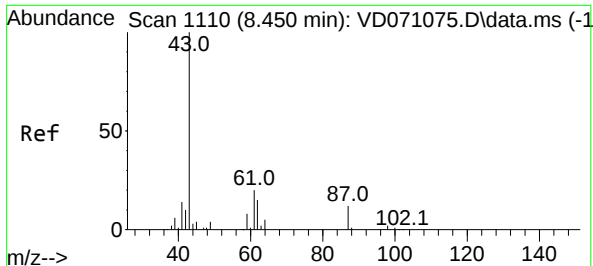
Delta R.T. -0.100 min

Lab File: VD071235.D

Acq: 09 Dec 2021 18:26

Tgt Ion:	117	Resp:	160
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	23.6	35.4#

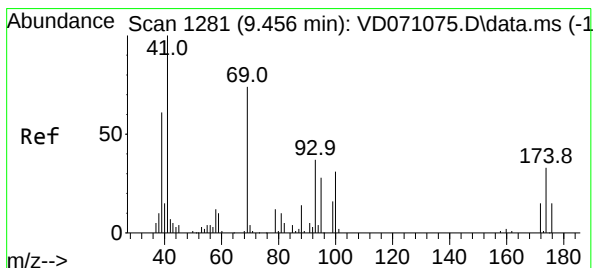
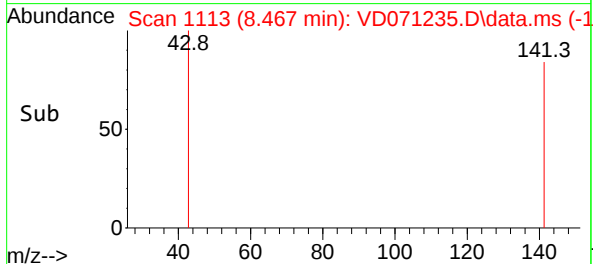
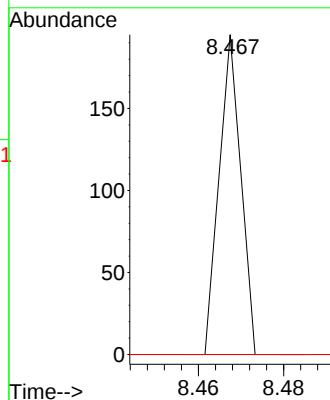
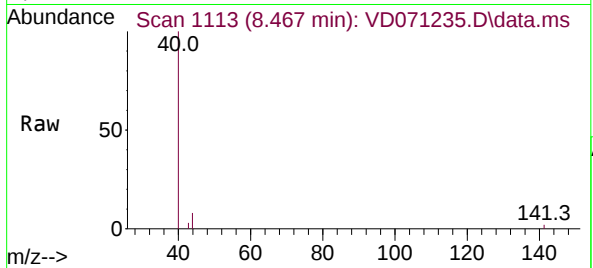




#43
Isopropyl Acetate
Concen: 5.862 ug/l
RT: 8.467 min Scan# 1110
Delta R.T. 0.017 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

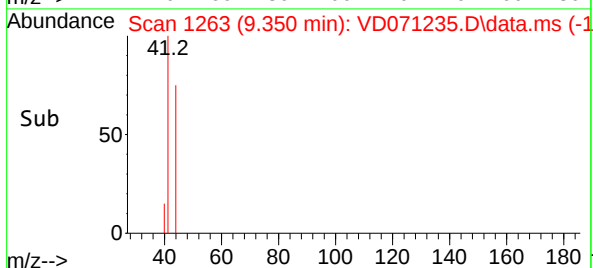
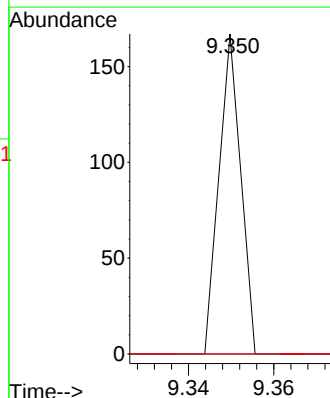
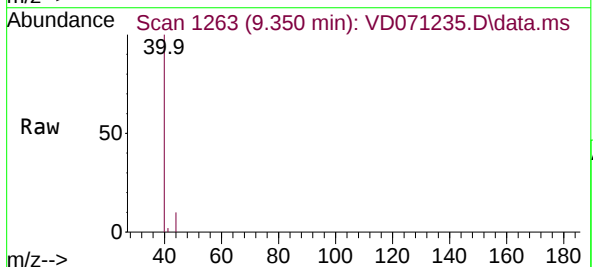
Instrument :
MSVOA_D
ClientSampleId :

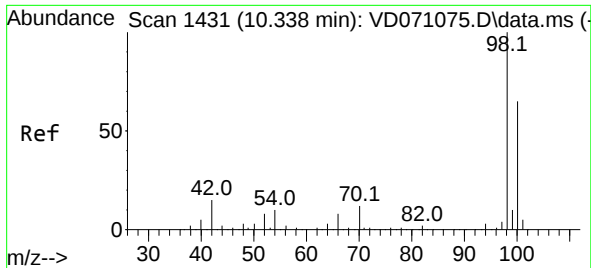
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#48
Methyl methacrylate
Concen: 1.371 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.106 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Tgt Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.6#
39 0.0 35.6 53.4#

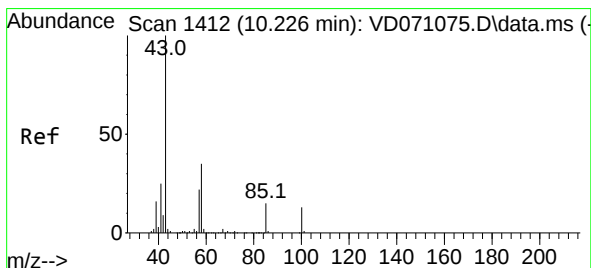
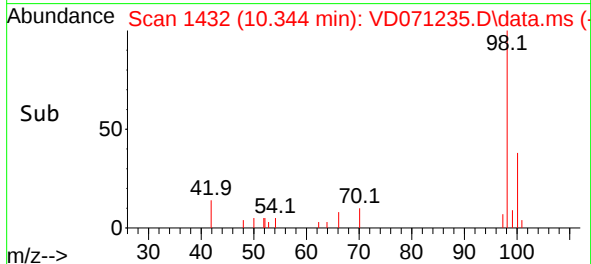
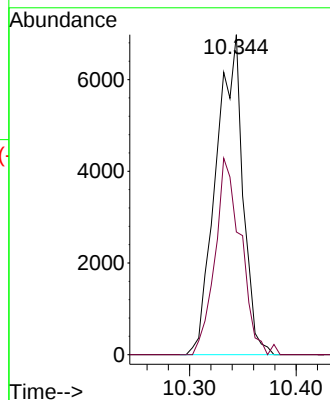
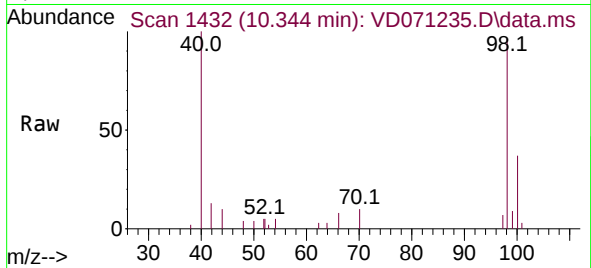




#50
Toluene-d8
Concen: 46.336 ug/l
RT: 10.344 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

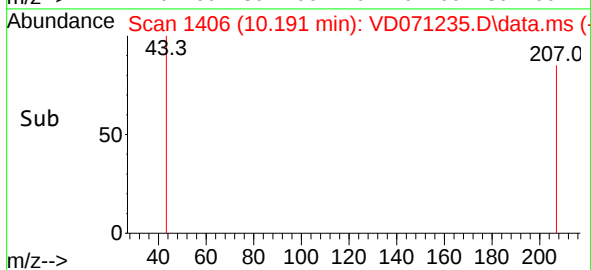
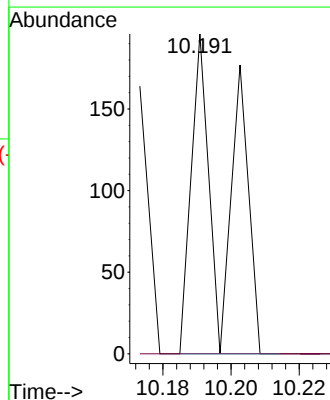
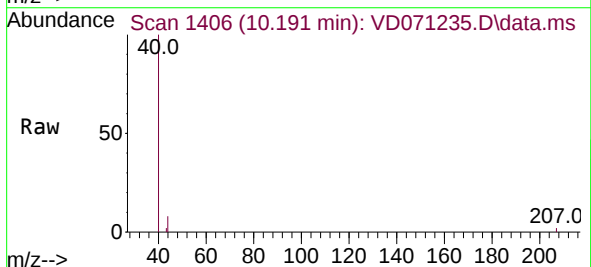
Instrument :
MSVOA_D
ClientSampleId :

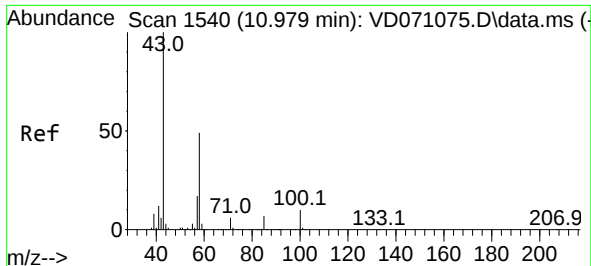
Tgt Ion: 98 Resp: 12227
Ion Ratio Lower Upper
98 100
100 59.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 32.988 ug/l
RT: 10.191 min Scan# 1406
Delta R.T. -0.035 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

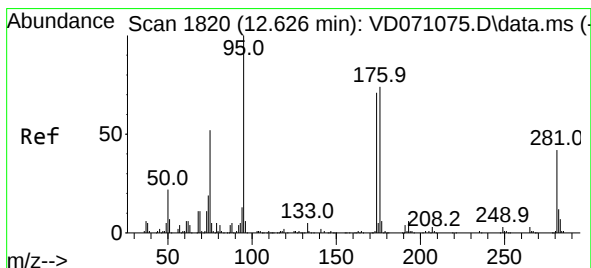
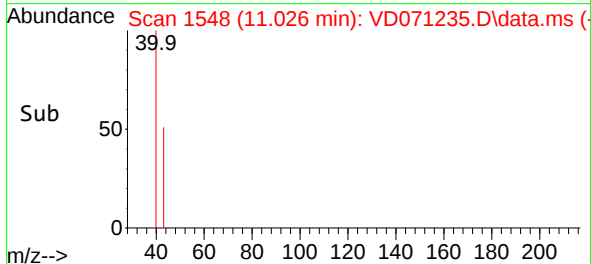
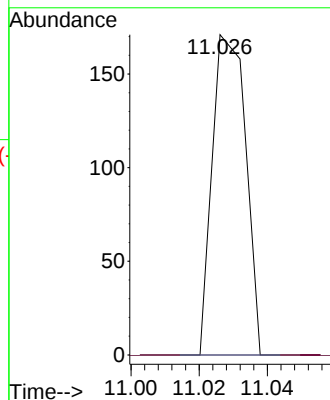
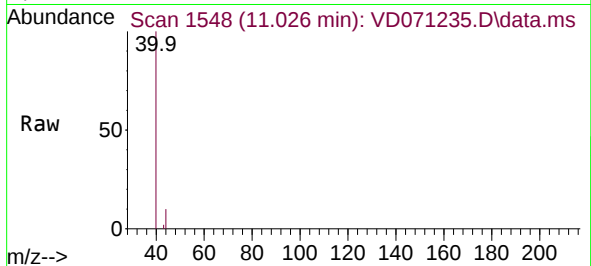




#59
2-Hexanone
Concen: 37.250 ug/l
RT: 11.026 min Scan# 11
Delta R.T. 0.047 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

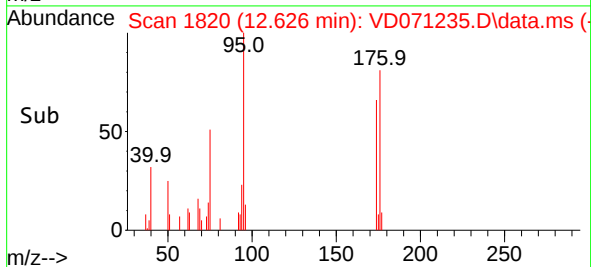
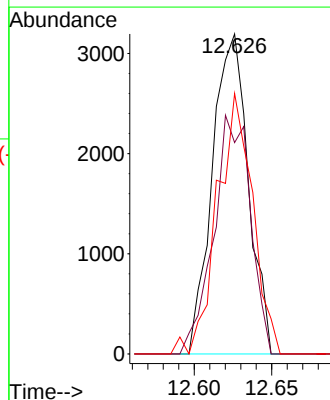
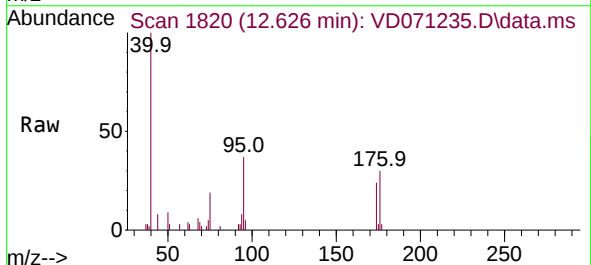
Instrument :
MSVOA_D
ClientSampleId :

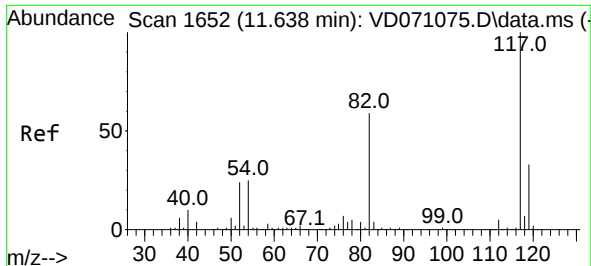
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 56.260 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Tgt Ion: 95 Resp: 5146
Ion Ratio Lower Upper
95 100
174 76.3 0.0 159.4
176 80.0 0.0 154.0

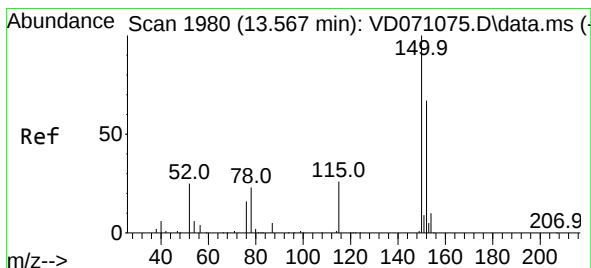
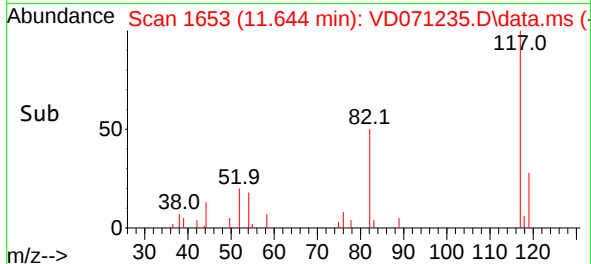
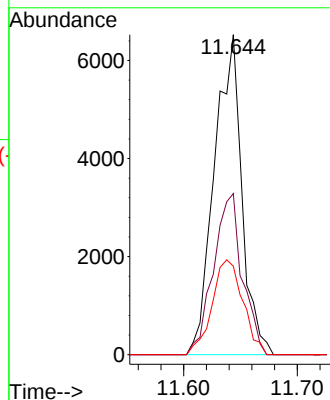
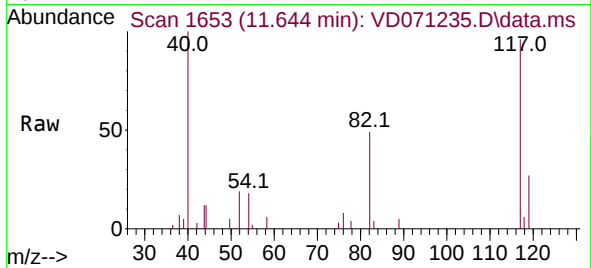




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

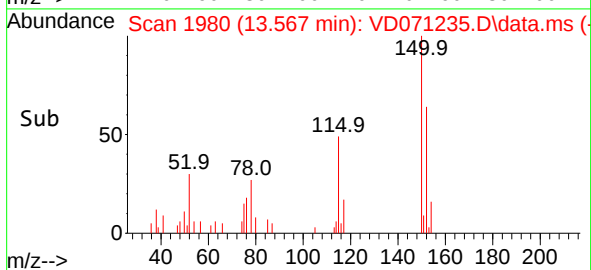
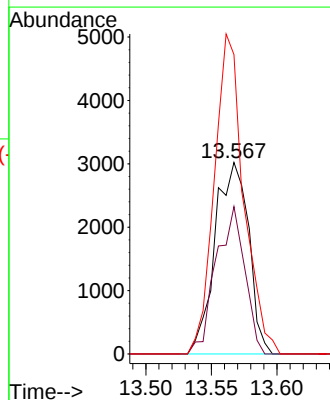
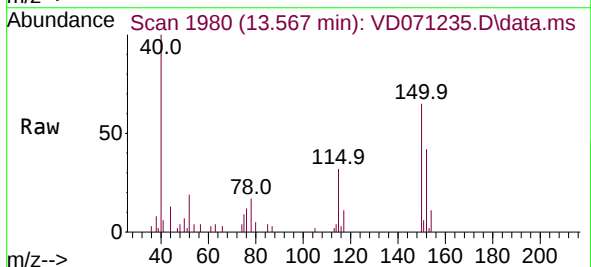
Instrument :
MSVOA_D
ClientSampleId :

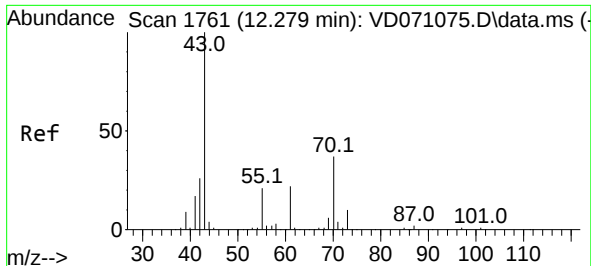
Tgt Ion:117 Resp: 10952
Ion Ratio Lower Upper
117 100
82 50.3 44.7 67.1
119 27.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Tgt Ion:152 Resp: 5385
Ion Ratio Lower Upper
152 100
115 65.9 29.8 89.3
150 146.3 0.0 349.2

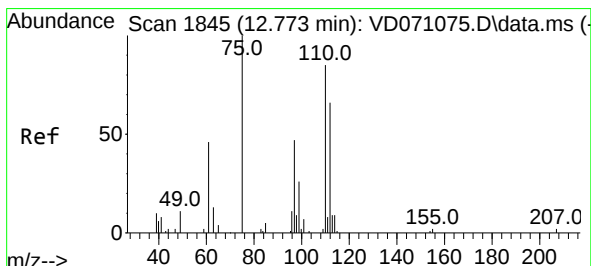
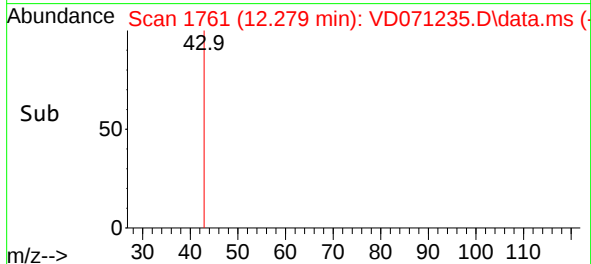
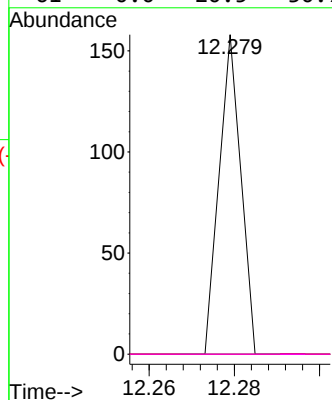
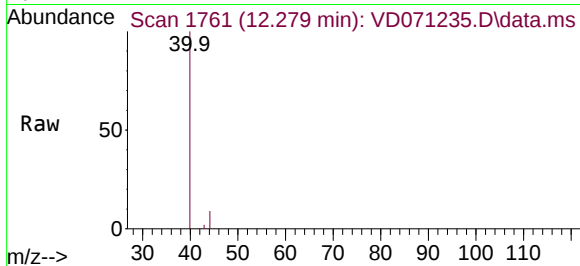




#74
N-amy1 acetate
Concen: 6.166 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

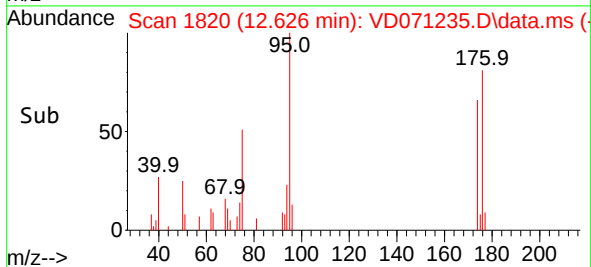
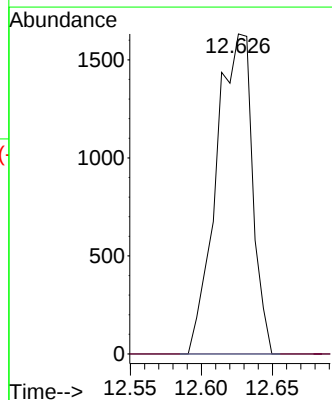
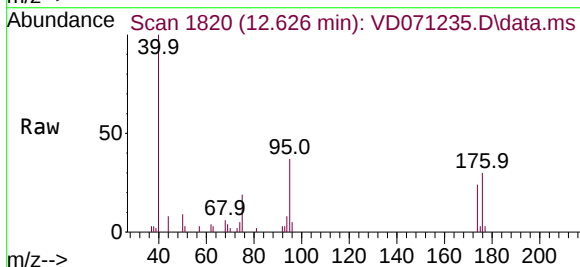
Instrument :
MSVOA_D
ClientSampleId :

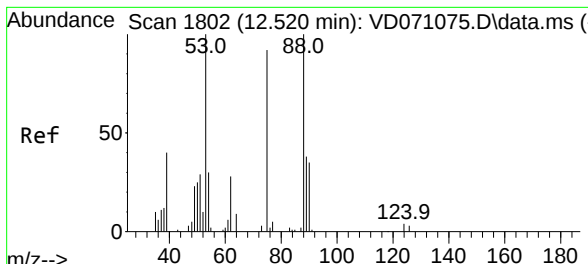
Tgt Ion: 43	Resp: 56
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 56.231 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071235.D
Acq: 09 Dec 2021 18:26

Tgt Ion: 75	Resp: 2885
Ion Ratio	Lower Upper
75 100	
77 0.0	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.108 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071235.D
 Acq: 09 Dec 2021 18:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	75	Resp:	2885
Ion	Ratio	Lower	Upper
75	100		
53	2.6	62.6	94.0#
89	0.0	34.5	51.7#

