

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071362.D
 Acq On : 16 Dec 2021 12:48
 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 16 23:47:40 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)

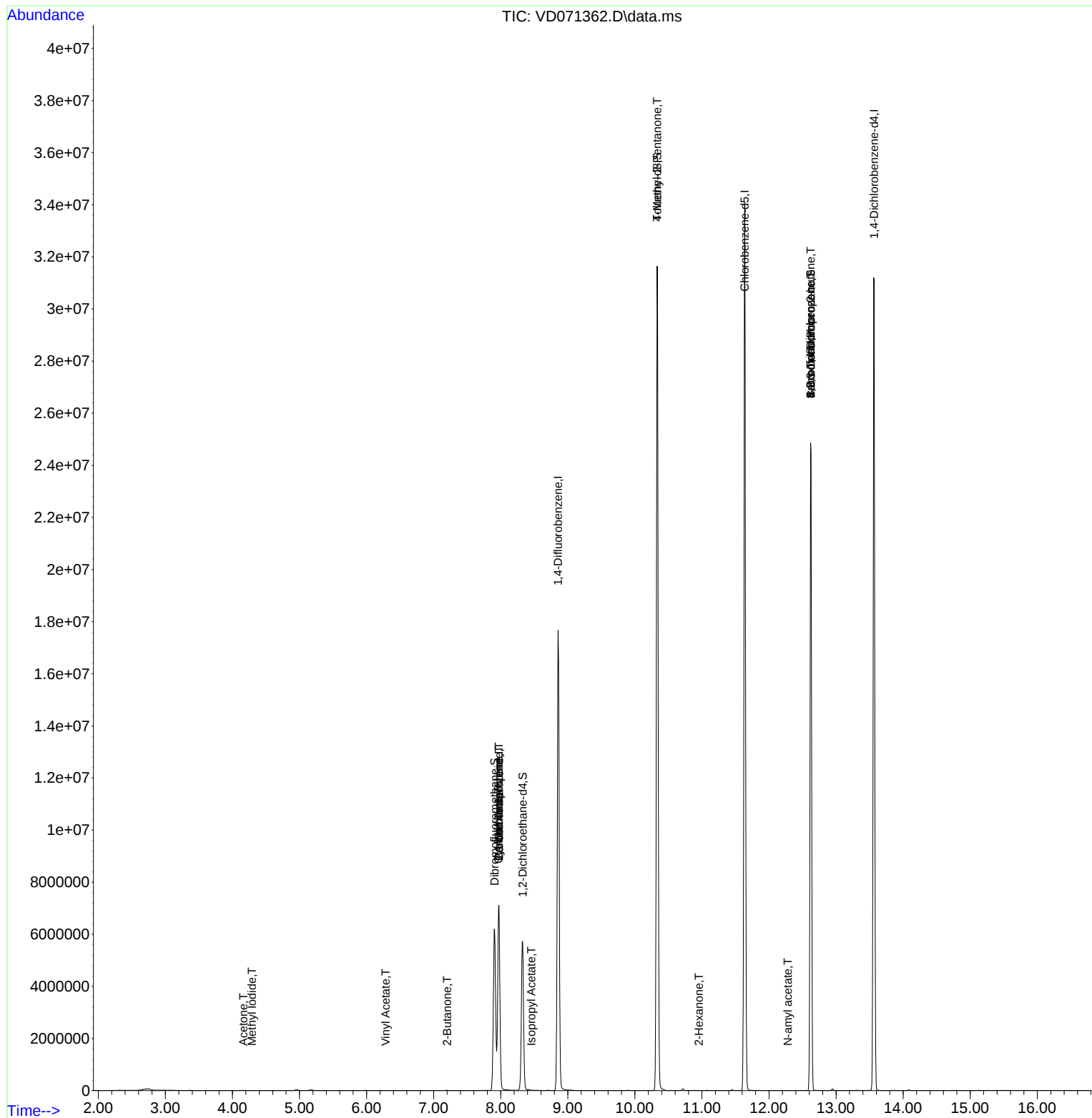
Internal Standards						
1) Pentafluorobenzene	7.973	168	4918413	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.855	114	13465819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	15032960	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	7291727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4654118	80.644	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.280%	
35) Dibromofluoromethane	7.909	113	4348152	50.708	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.420%	
50) Toluene-d8	10.332	98	17627139	54.018	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.040%	
62) 4-Bromofluorobenzene	12.620	95	7481818	66.144	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 132.280%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	3163	4.611	ug/l #	88
11) Tert butyl alcohol	5.173	59	24506	Below Cal	#	71
16) Acetone	4.162	43	15868	31.704	ug/l	91
20) Methylene Chloride	4.956	84	18976	Below Cal		96
23) Vinyl Acetate	6.285	43	459	27.223	ug/l #	72
25) 2-Butanone	7.203	43	1330	28.426	ug/l #	72
31) Cyclohexane	7.967	56	139871	1.425	ug/l #	23
36) 1,1-Dichloropropene	7.973	75	467149	3.712	ug/l #	49
38) Carbon Tetrachloride	7.973	117	548522	4.421	ug/l #	16
41) Methacrylonitrile	7.497	41	137	Below Cal	#	32
43) Isopropyl Acetate	8.456	43	186	5.224	ug/l #	47
51) 4-Methyl-2-Pentanone	10.332	43	121100	32.385	ug/l #	1
59) 2-Hexanone	10.955	43	218	34.578	ug/l	98
71) Bromoform	12.620	173	79867	1.514	ug/l #	1
74) N-amyl acetate	12.279	43	485	5.704	ug/l #	59
76) 1,2,3-Trichloropropane	12.620	75	4384201	63.107	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	4384201	136.333	ug/l #	18

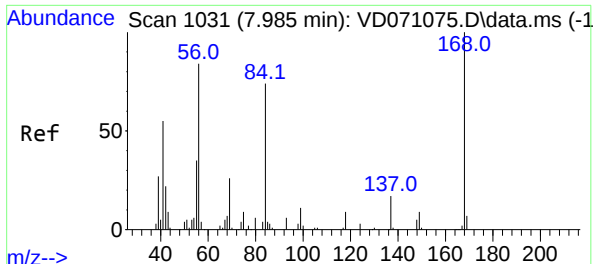
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

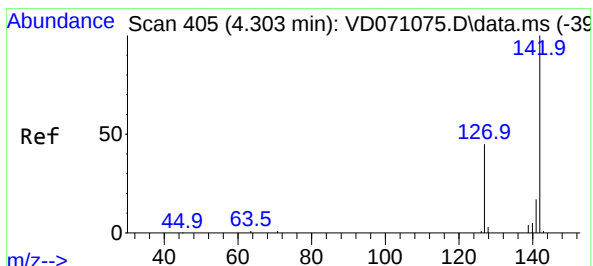
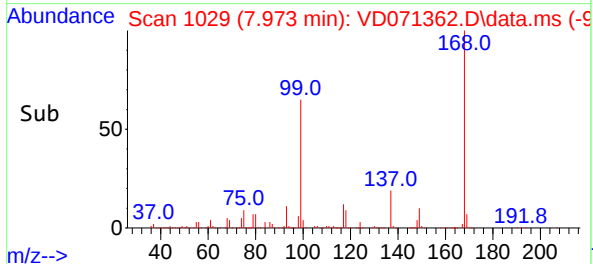
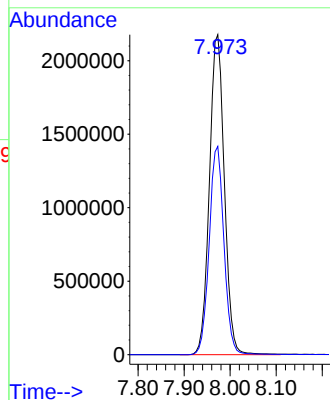
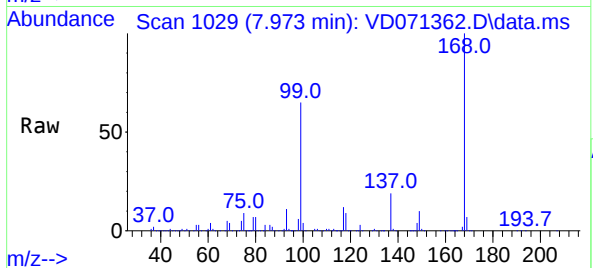




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

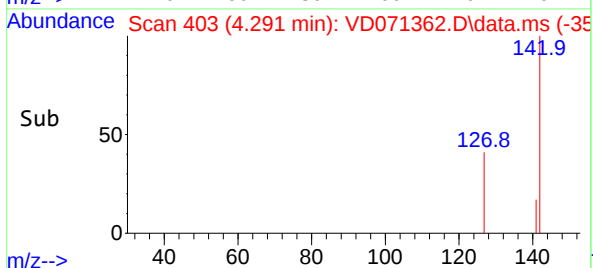
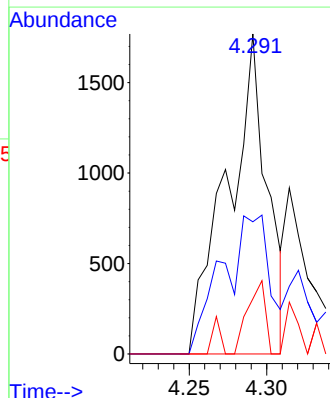
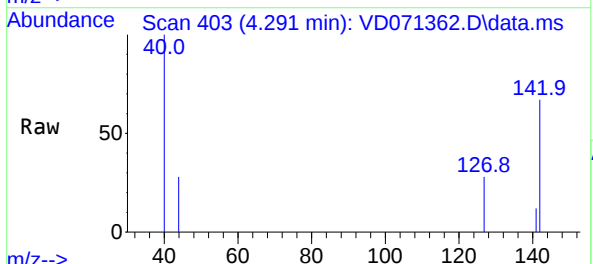
Instrument :
MSVOA_D
ClientSampleId :

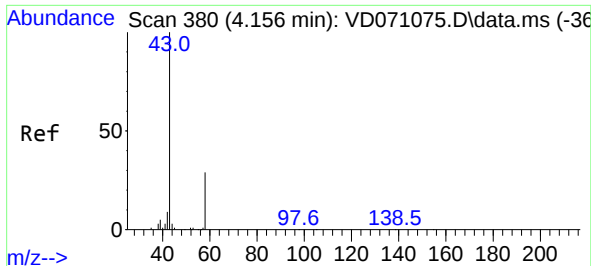
Tgt Ion:168 Resp: 4918413
Ion Ratio Lower Upper
168 100
99 65.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.611 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

Tgt Ion:142 Resp: 3163
Ion Ratio Lower Upper
142 100
127 51.8 35.0 52.4
141 10.2 12.0 18.0#

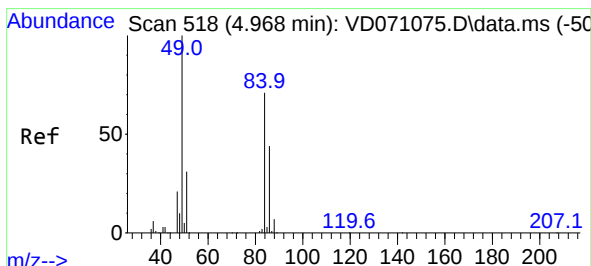
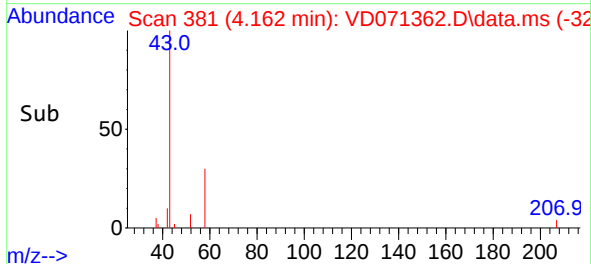
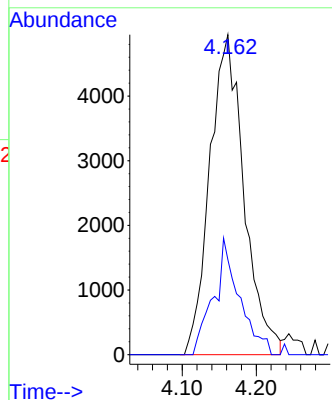
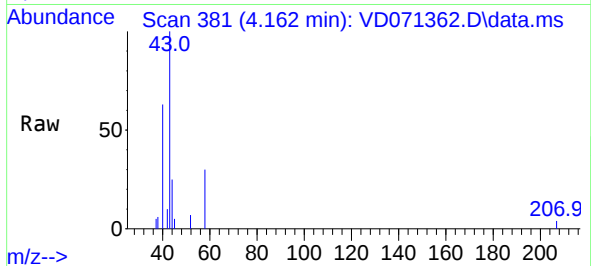




#16
Acetone
Concen: 31.704 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

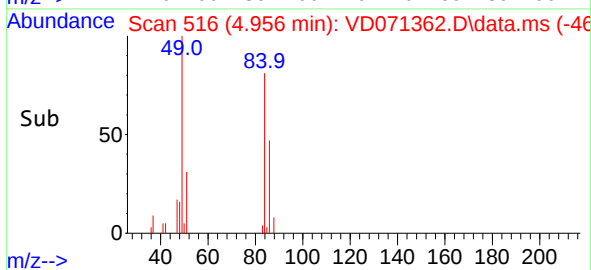
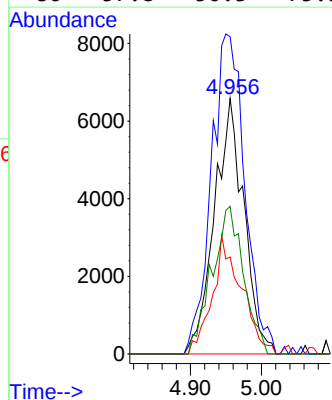
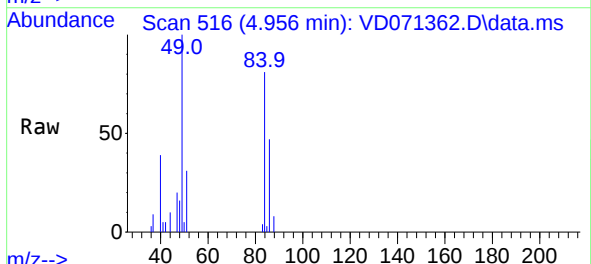
Instrument :
MSVOA_D
ClientSampleId :

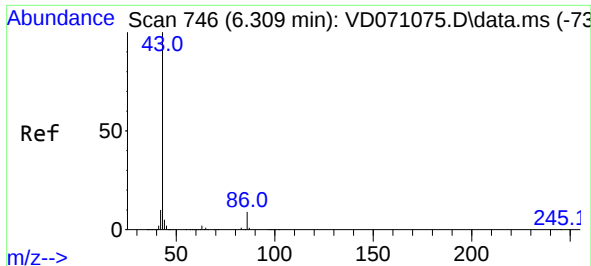
Tgt Ion: 43 Resp: 15868
Ion Ratio Lower Upper
43 100
58 29.7 27.8 41.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

Tgt Ion: 84 Resp: 18976
Ion Ratio Lower Upper
84 100
49 124.2 95.8 143.6
51 38.0 30.9 46.3
86 57.8 50.3 75.5

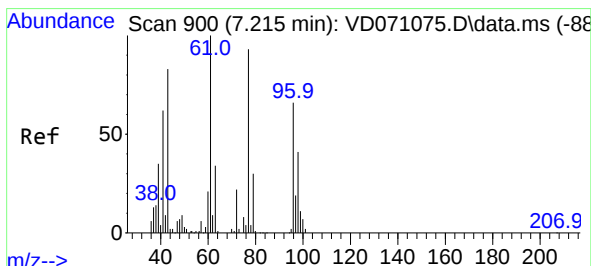
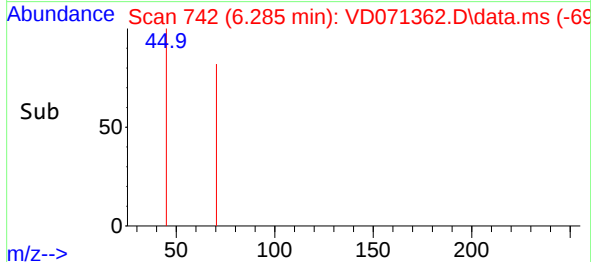
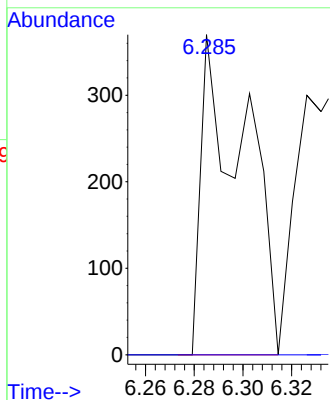
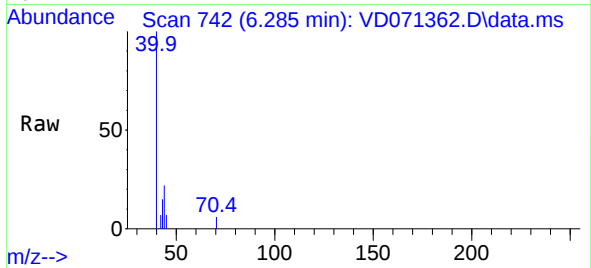




#23
 Vinyl Acetate
 Concen: 27.223 ug/l
 RT: 6.285 min Scan# 746
 Delta R.T. -0.024 min
 Lab File: VD071362.D
 Acq: 16 Dec 2021 12:48

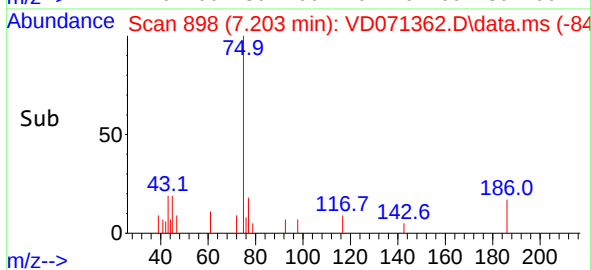
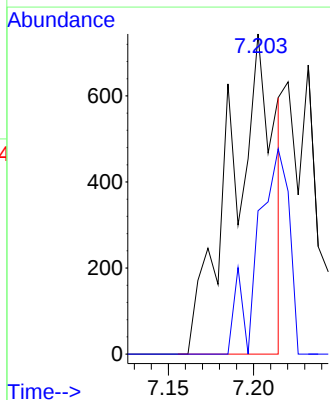
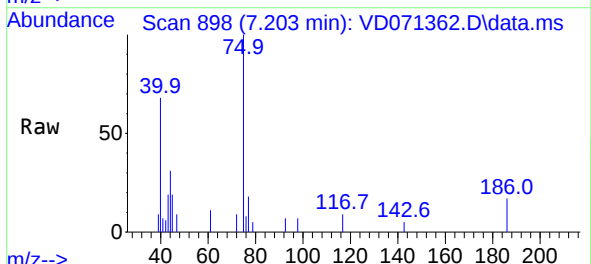
Instrument :
 MSVOA_D
 ClientSampleId :

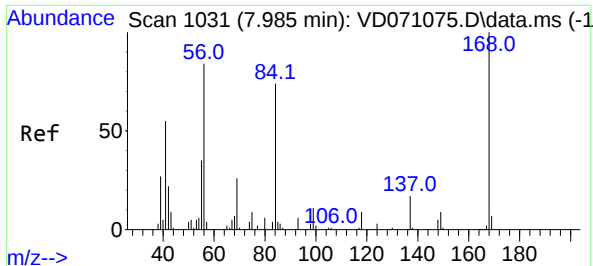
Tgt Ion: 43 Resp: 459
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.426 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD071362.D
 Acq: 16 Dec 2021 12:48

Tgt Ion: 43 Resp: 1330
 Ion Ratio Lower Upper
 43 100
 72 44.8 23.8 35.6#





#31

Cyclohexane

Concen: 1.425 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD071362.D

Acq: 16 Dec 2021 12:48

Instrument :

MSVOA_D

ClientSampleId :

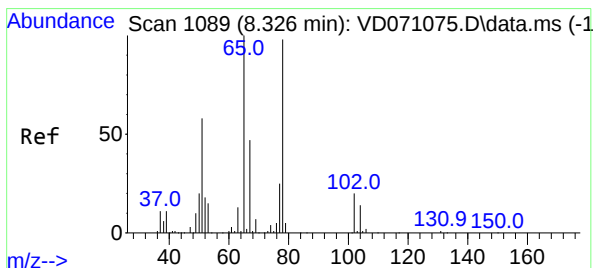
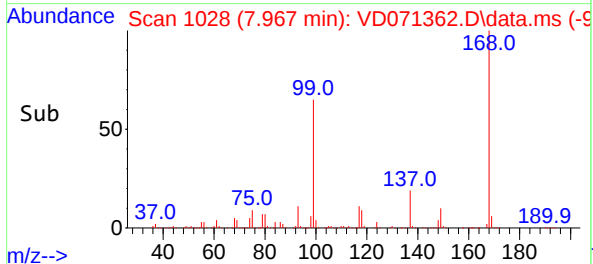
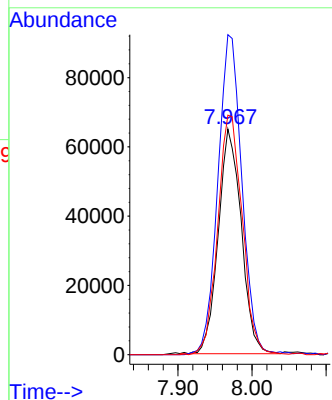
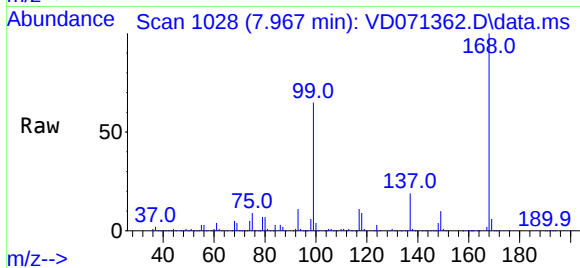
Tgt Ion: 56 Resp: 139871

Ion Ratio Lower Upper

56 100

69 142.4 25.9 38.9#

84 106.6 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 80.644 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071362.D

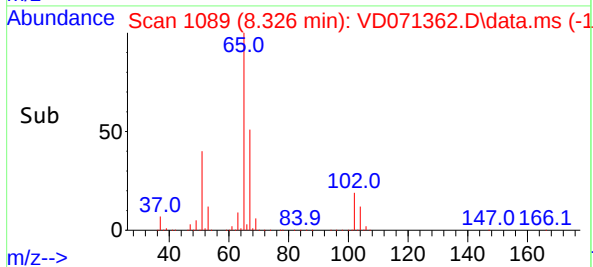
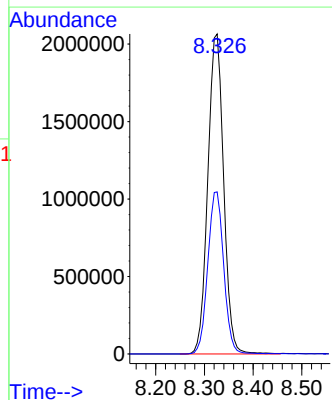
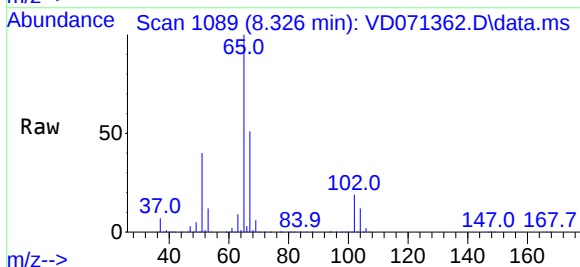
Acq: 16 Dec 2021 12:48

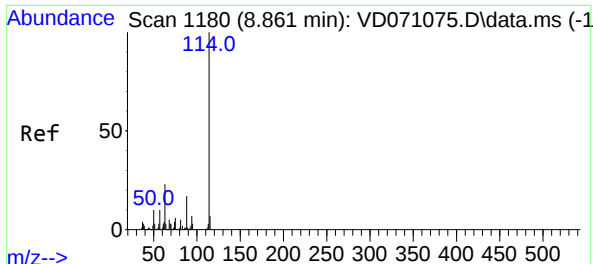
Tgt Ion: 65 Resp: 4654118

Ion Ratio Lower Upper

65 100

67 51.0 0.0 112.2

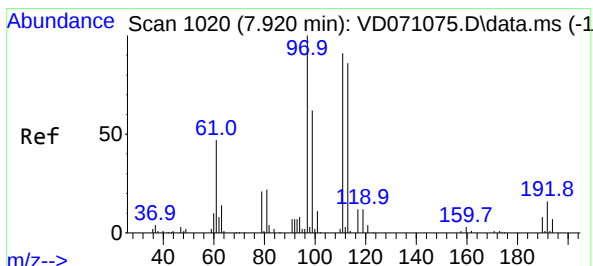
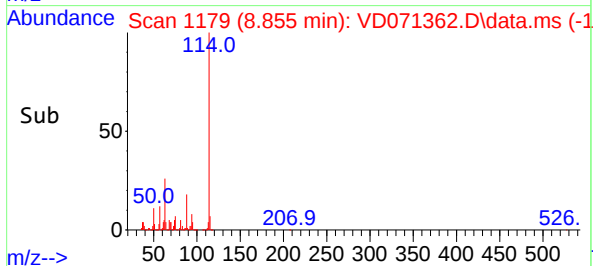
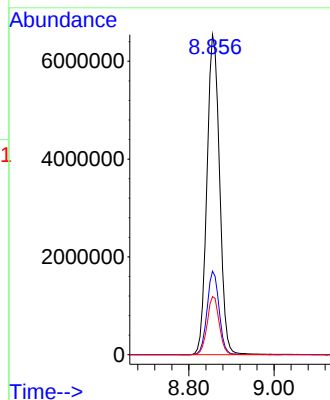
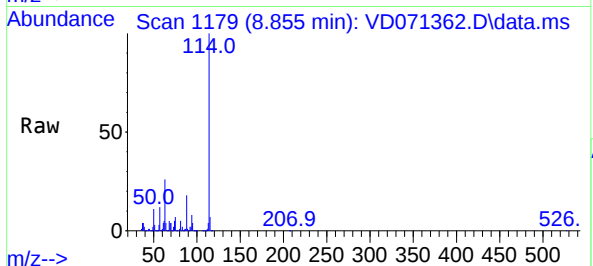




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

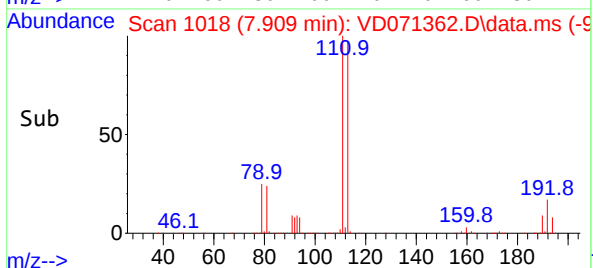
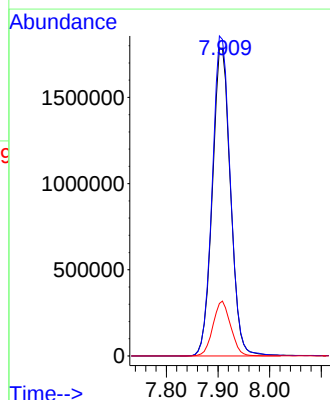
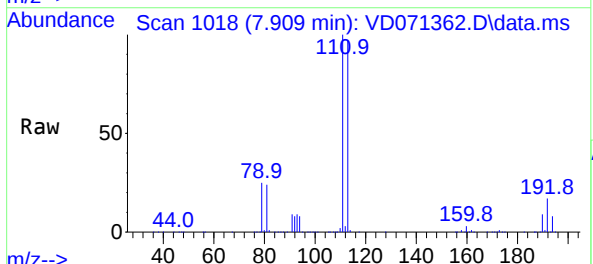
Instrument :
MSVOA_D
ClientSampleId :

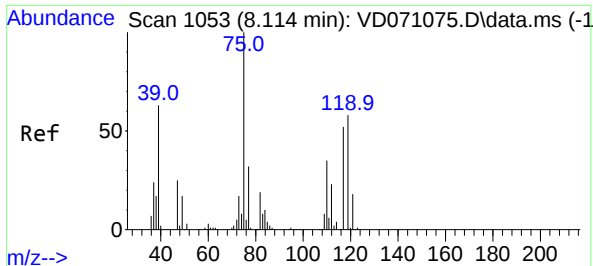
Tgt Ion:114 Resp:13465819
Ion Ratio Lower Upper
114 100
63 26.1 0.0 41.8
88 18.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.708 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.011 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

Tgt Ion:113 Resp: 4348152
Ion Ratio Lower Upper
113 100
111 103.6 82.0 123.0
192 17.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.712 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071362.D

Acq: 16 Dec 2021 12:48

Instrument :

MSVOA_D

ClientSampleId :

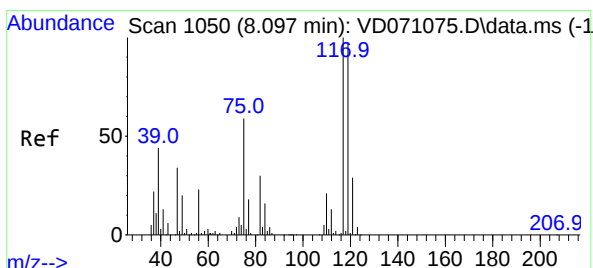
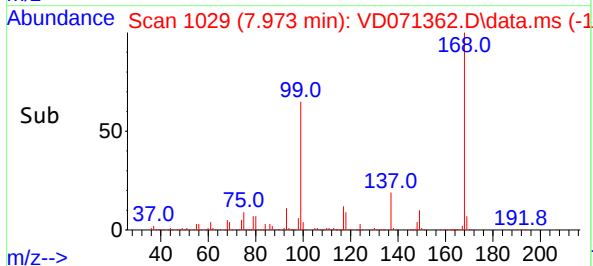
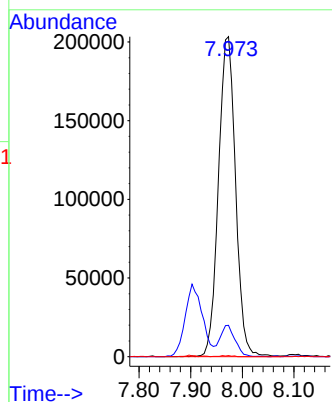
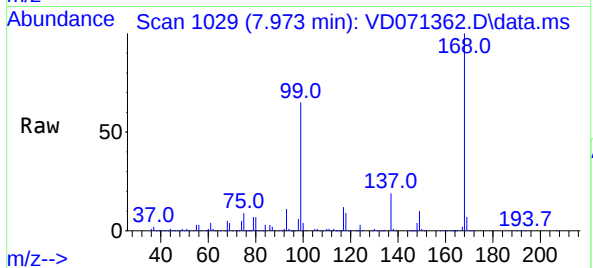
Tgt Ion: 75 Resp: 467149

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.4#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.421 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071362.D

Acq: 16 Dec 2021 12:48

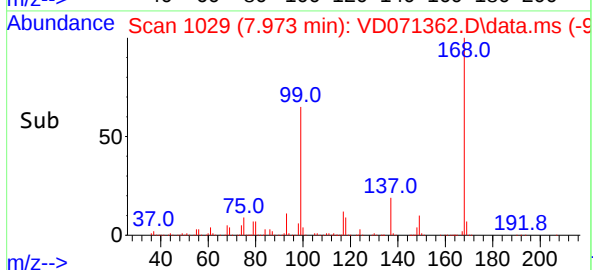
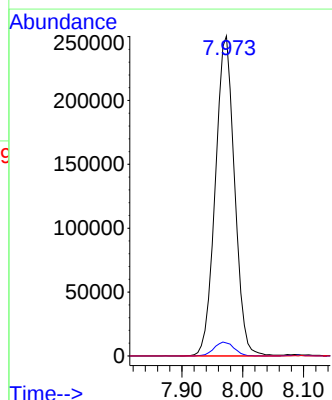
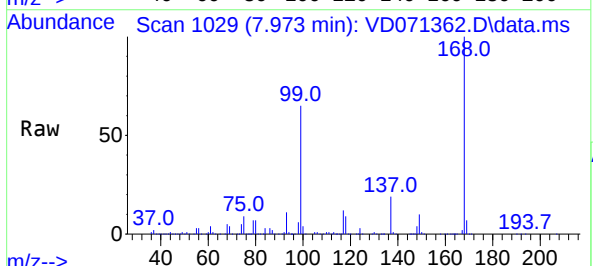
Tgt Ion: 117 Resp: 548522

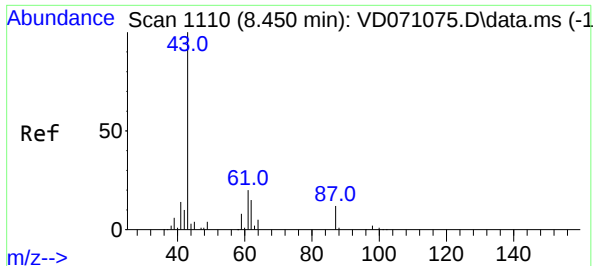
Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.224 ug/l

RT: 8.456 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VD071362.D

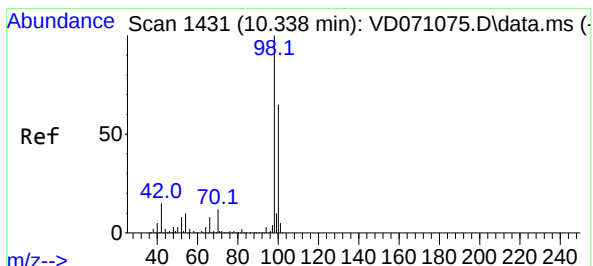
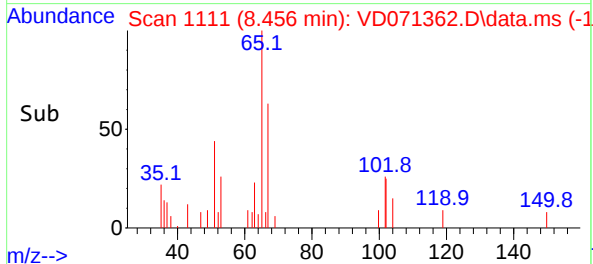
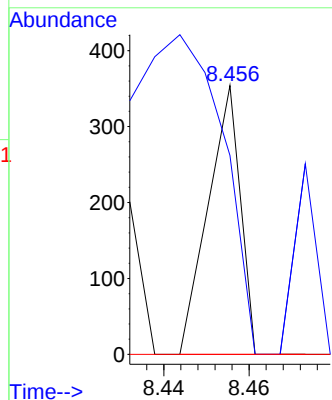
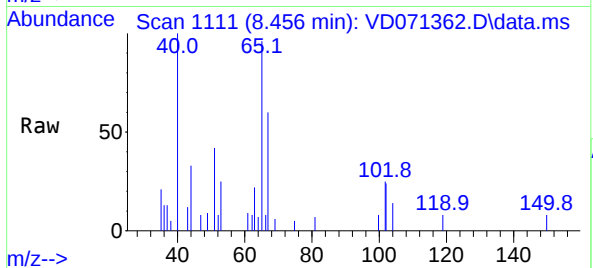
Acq: 16 Dec 2021 12:48

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 186
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 54.018 ug/l

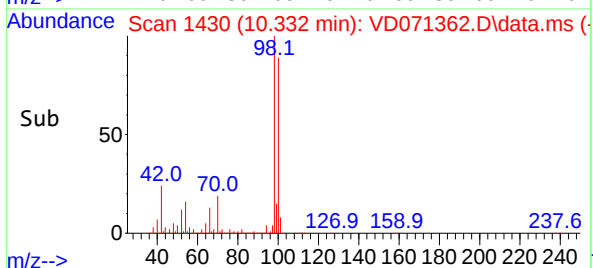
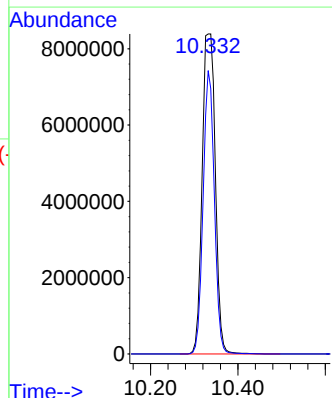
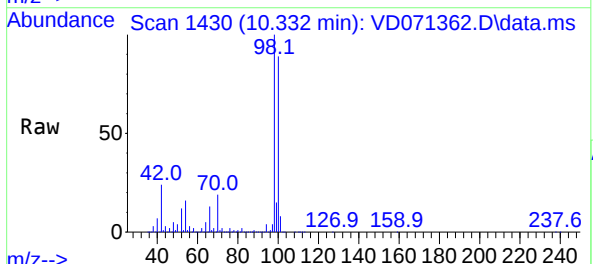
RT: 10.332 min Scan# 1430

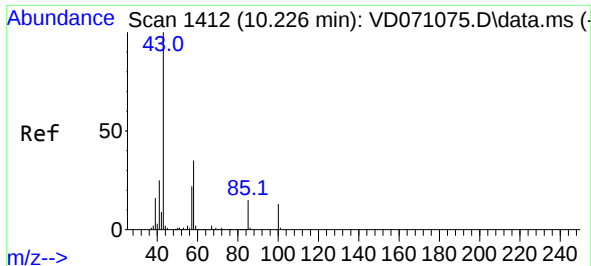
Delta R.T. -0.006 min

Lab File: VD071362.D

Acq: 16 Dec 2021 12:48

Tgt Ion: 98	Resp: 17627139
Ion Ratio	Lower Upper
98	100
100	75.3 51.8 77.6

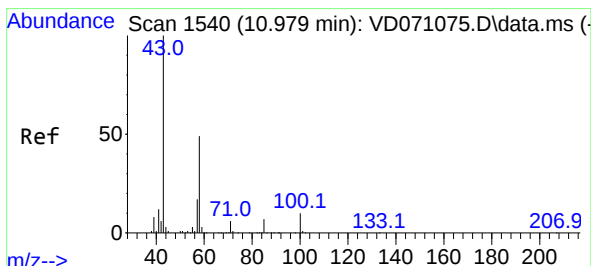
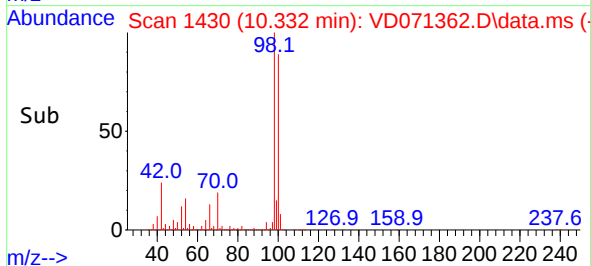
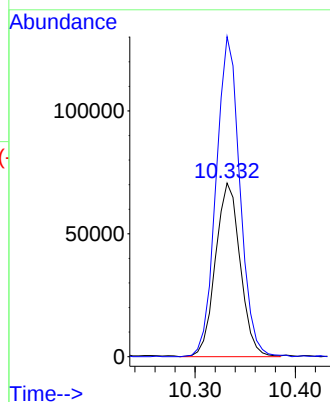
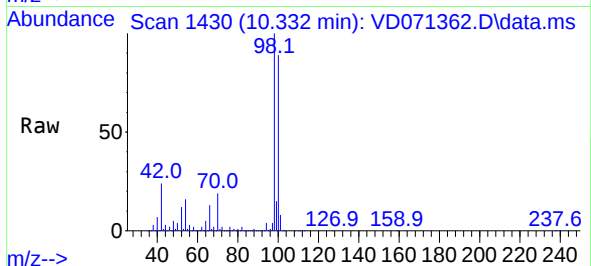




#51
4-Methyl-2-Pentanone
Concen: 32.385 ug/l
RT: 10.332 min Scan# 1412
Delta R.T. 0.106 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

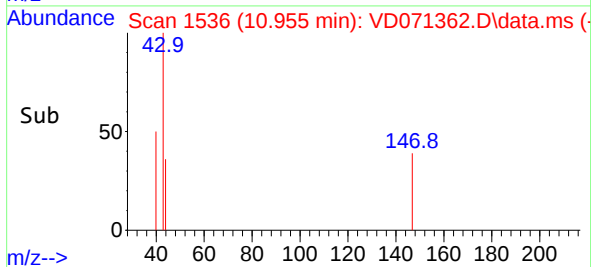
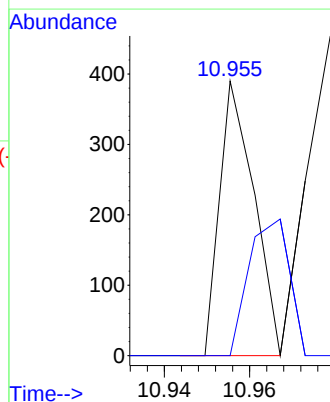
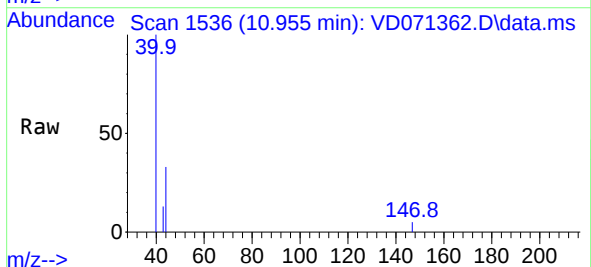
Instrument :
MSVOA_D
ClientSampleId :

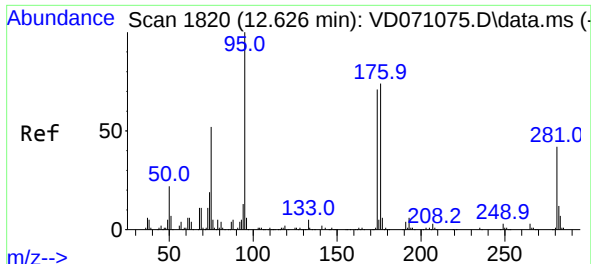
Tgt Ion: 43 Resp: 121100
Ion Ratio Lower Upper
43 100
58 177.6 33.1 49.7#



#59
2-Hexanone
Concen: 34.578 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.024 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
58 58.7 28.7 86.1

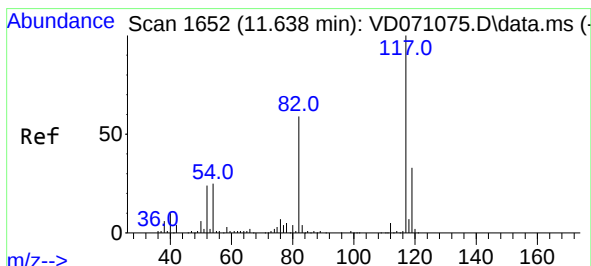
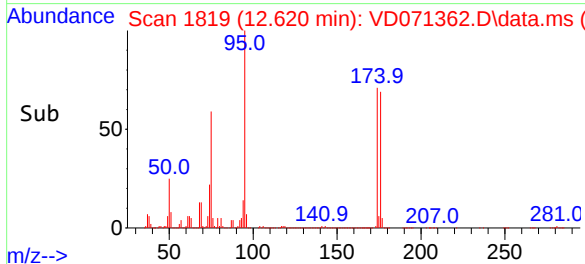
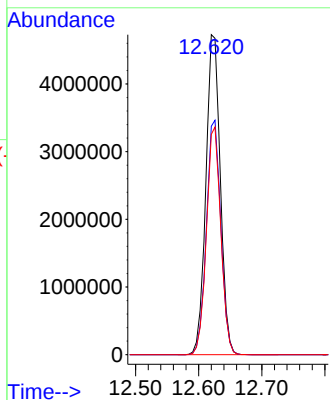
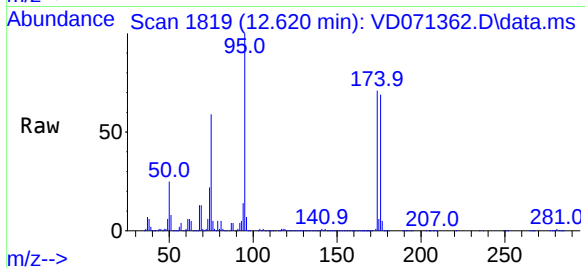




#62
4-Bromofluorobenzene
Concen: 66.144 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

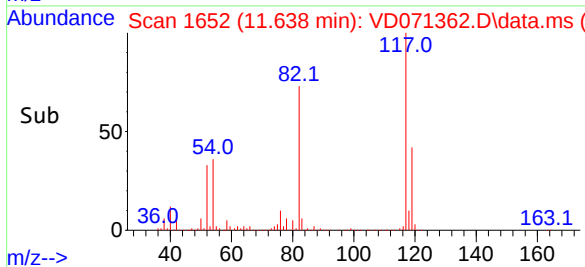
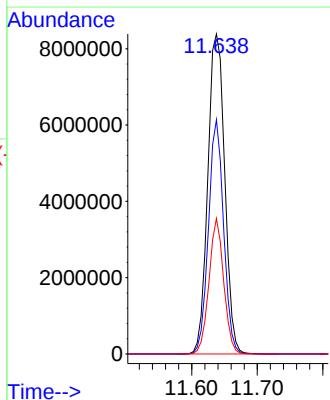
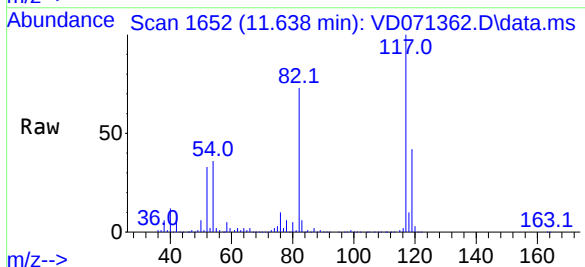
Instrument :
MSVOA_D
ClientSampleId :

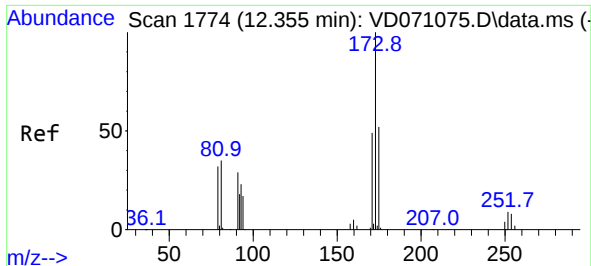
Tgt Ion: 95 Resp: 7481818
Ion Ratio Lower Upper
95 100
174 73.5 0.0 159.4
176 70.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

Tgt Ion: 117 Resp: 15032960
Ion Ratio Lower Upper
117 100
82 73.2 44.7 67.1#
119 42.3 26.2 39.4#

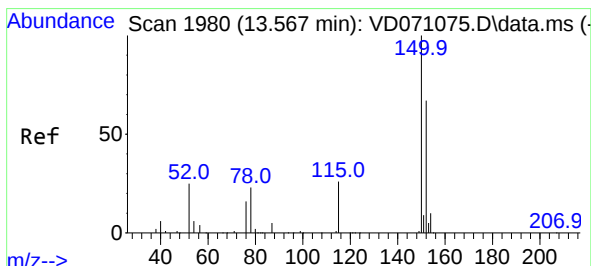
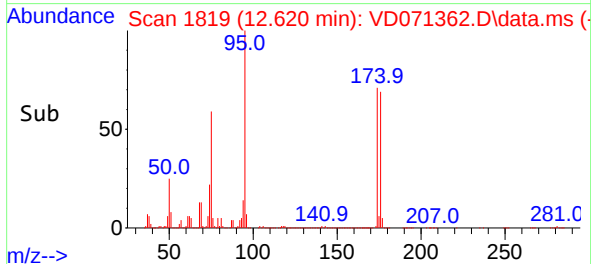
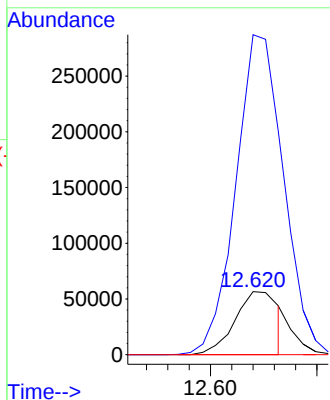
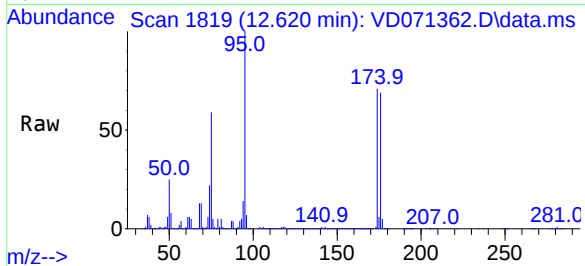




#71
Bromoform
Concen: 1.514 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

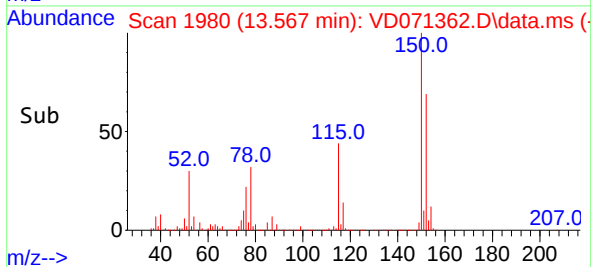
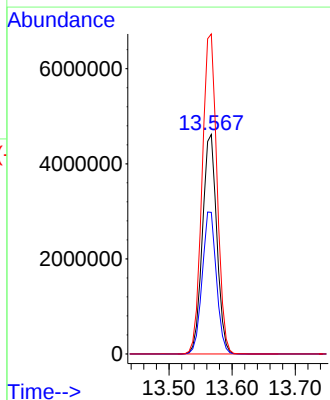
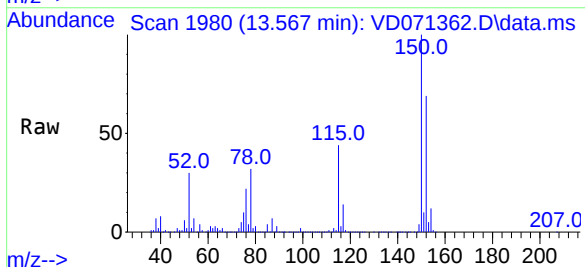
Instrument :
MSVOA_D
ClientSampleId :

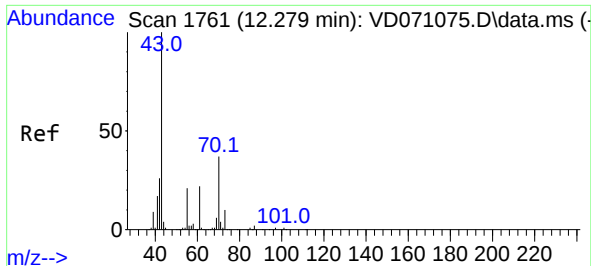
Tgt Ion:173 Resp: 79867
Ion Ratio Lower Upper
173 100
175 487.5 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

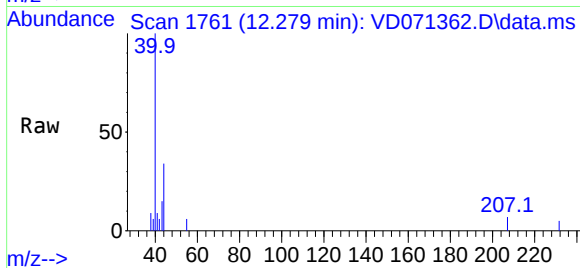
Tgt Ion:152 Resp: 7291727
Ion Ratio Lower Upper
152 100
115 64.1 29.8 89.3
150 150.9 0.0 349.2





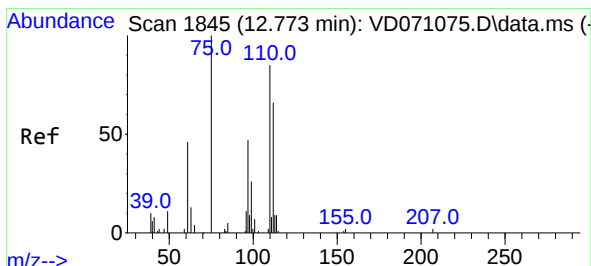
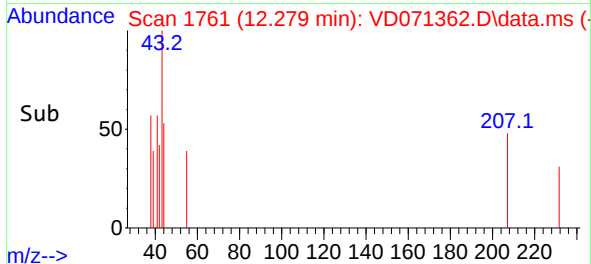
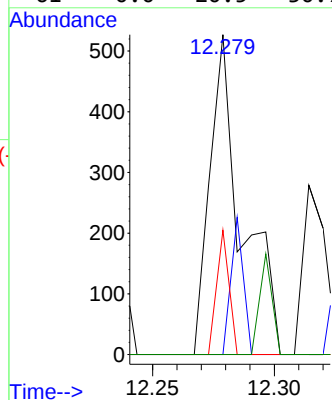
#74
N-amy1 acetate
Concen: 5.704 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 485

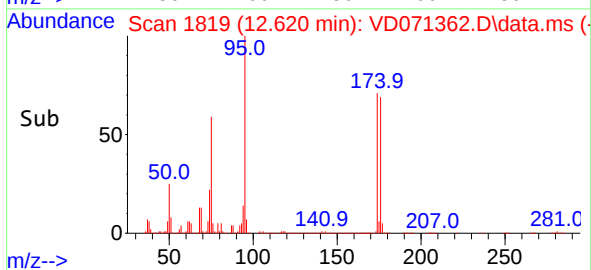
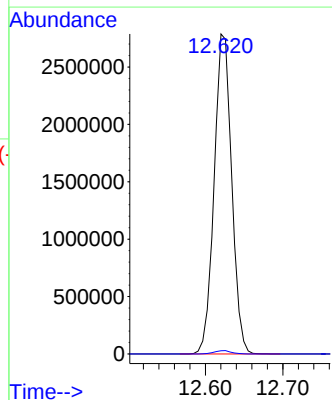
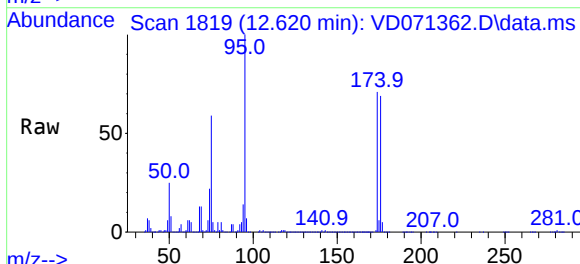
Ion	Ratio	Lower	Upper
43	100		
70	16.5	36.6	55.0#
55	14.8	22.5	33.7#
61	0.0	20.5	30.7#

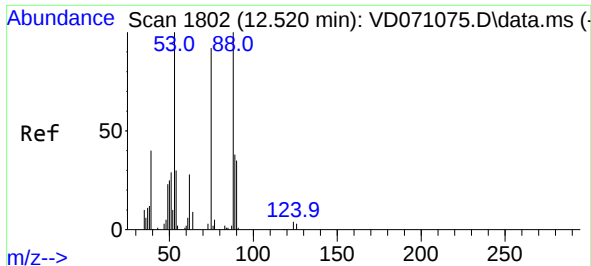


#76
1,2,3-Trichloropropane
Concen: 63.107 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071362.D
Acq: 16 Dec 2021 12:48

Tgt Ion: 75 Resp: 4384201

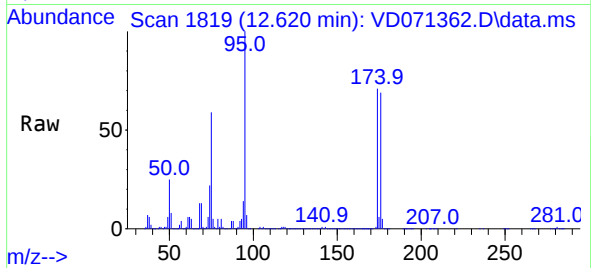
Ion	Ratio	Lower	Upper
75	100		
77	1.0	158.4	475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.333 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071362.D
 Acq: 16 Dec 2021 12:48

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 4384201

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

