

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071231.D
 Acq On : 09 Dec 2021 16:35
 Operator : VA/SY
 Sample : M4990-11
 Misc : 5.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:45:59 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)

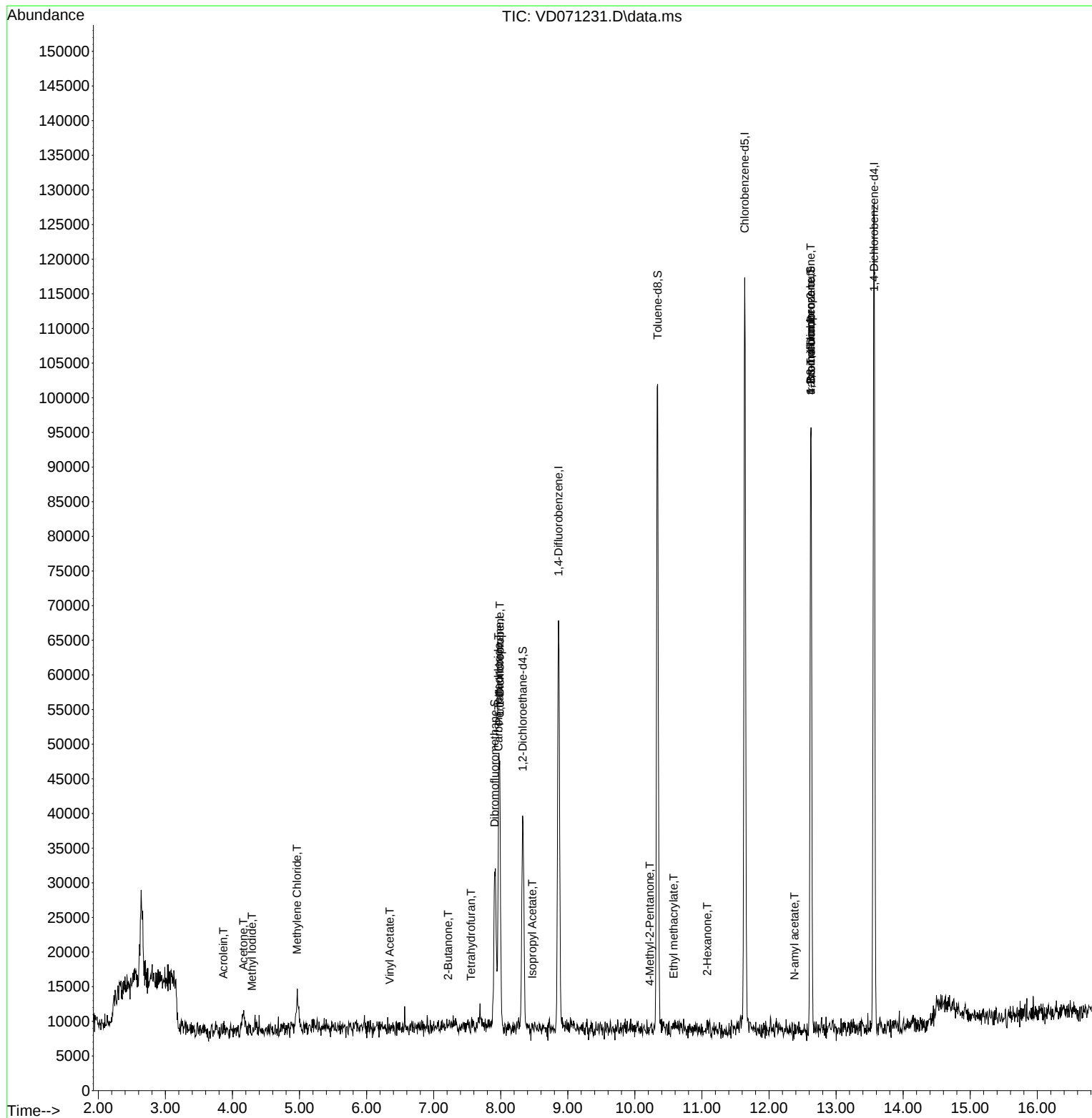
Internal Standards						
1) Pentafluorobenzene	7.979	168	27670	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	46840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	55716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	29520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	24128	74.314	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.620%	
35) Dibromofluoromethane	7.909	113	16497	55.309	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.620%	
50) Toluene-d8	10.338	98	62310	54.895	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.780%	
62) 4-Bromofluorobenzene	12.620	95	27943	71.019	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 142.040%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	59	4.726	ug/l	# 40
11) Tert butyl alcohol	5.220	59	81	Below Cal	#	71
13) Acrolein	3.862	56	58	2.614	ug/l	# 13
16) Acetone	4.162	43	4305	74.579	ug/l	91
20) Methylene Chloride	4.962	84	2900	5.101	ug/l	# 90
23) Vinyl Acetate	6.344	43	62	27.323	ug/l	# 72
25) 2-Butanone	7.214	43	166	29.837	ug/l	# 45
29) Tetrahydrofuran	7.556	42	125	2.425	ug/l	# 34
36) 1,1-Dichloropropene	7.985	75	2910	6.647	ug/l	# 44
38) Carbon Tetrachloride	7.967	117	3463	8.025	ug/l	# 12
41) Methacrylonitrile	7.544	41	59	Below Cal	#	1
43) Isopropyl Acetate	8.467	43	83	5.402	ug/l	# 47
51) 4-Methyl-2-Pentanone	10.220	43	289	31.841	ug/l	# 34
56) Ethyl methacrylate	10.579	69	58	6.137	ug/l	# 1
59) 2-Hexanone	11.079	43	235	35.834	ug/l	# 22
71) Bromoform	12.626	173	497	2.542	ug/l	# 1
74) N-amyl acetate	12.379	43	64	5.798	ug/l	# 40
76) 1,2,3-Trichloropropane	12.620	75	16185	57.546	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	16185	124.827	ug/l	# 18

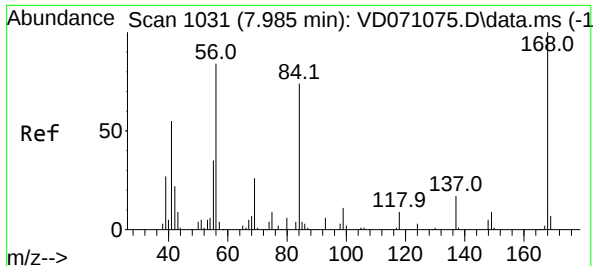
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
Data File : VD071231.D
Acq On : 09 Dec 2021 16:35
Operator : VA/SY
Sample : M4990-11
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

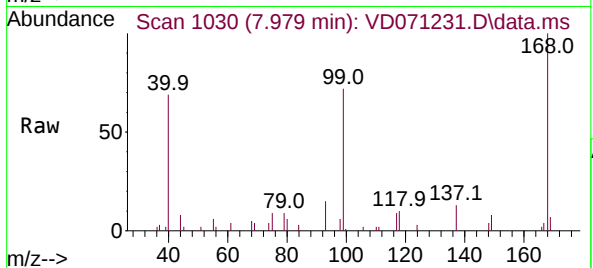
Quant Time: Dec 10 06:45:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



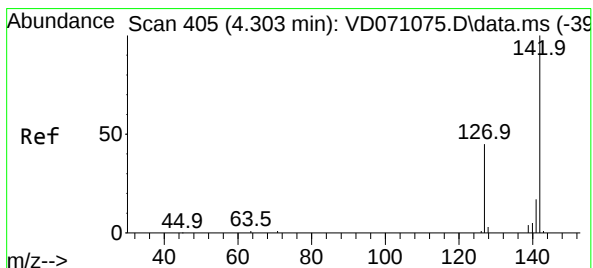
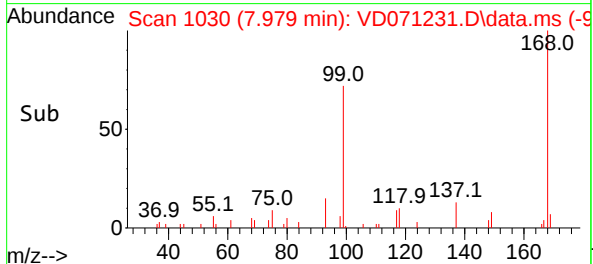
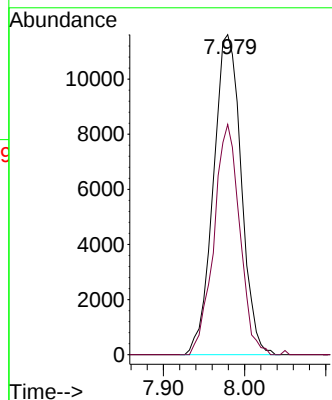


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Instrument :
MSVOA_D
ClientSampleId :

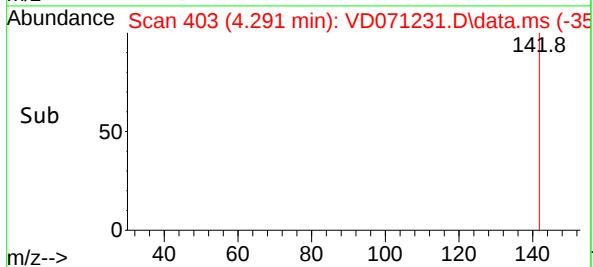
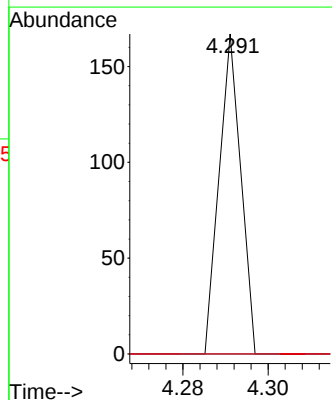
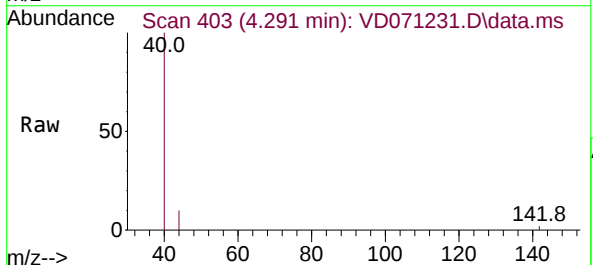


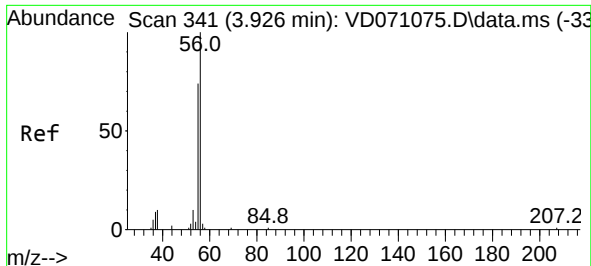
Tgt Ion:168 Resp: 27670
Ion Ratio Lower Upper
168 100
99 71.9 46.6 69.8#



#10
Methyl Iodide
Concen: 4.726 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

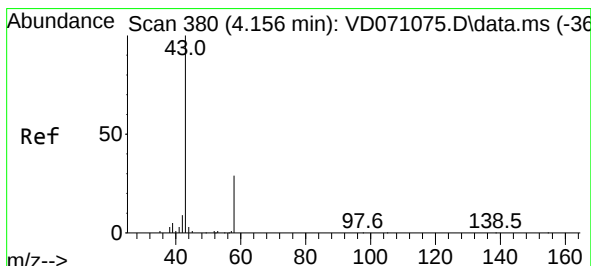
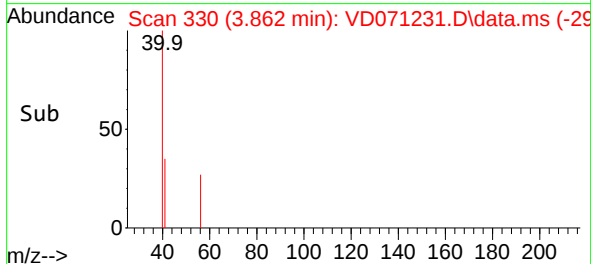
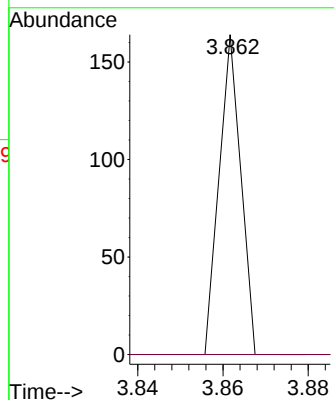
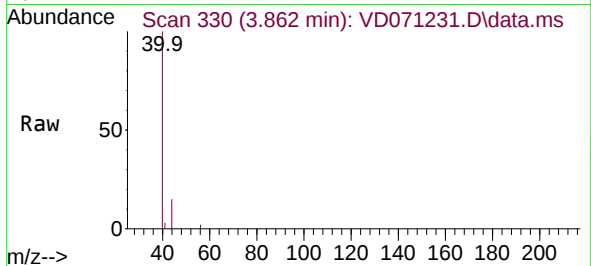




#13
Acrolein
Concen: 2.614 ug/l
RT: 3.862 min Scan# 31
Delta R.T. -0.064 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

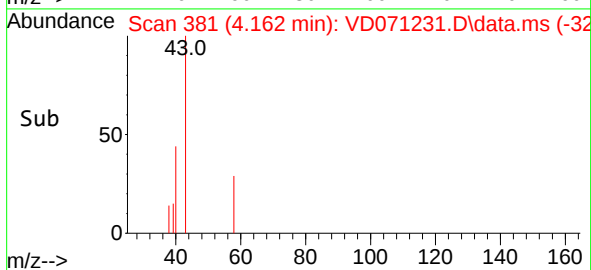
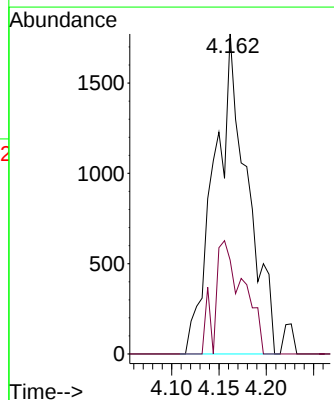
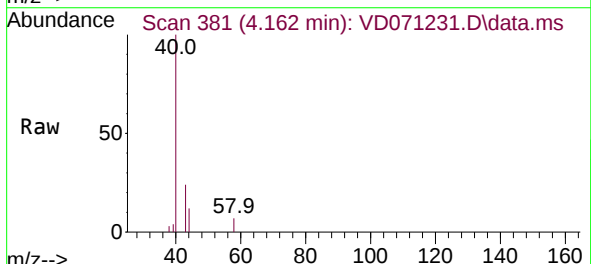
Instrument :
MSVOA_D
ClientSampleId :

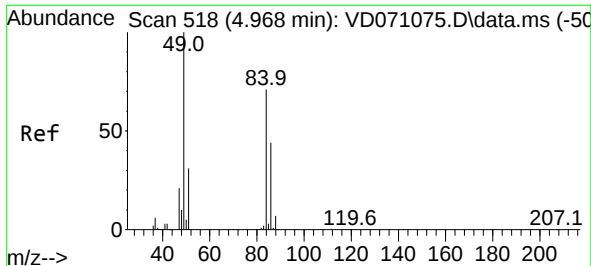
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 74.579 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

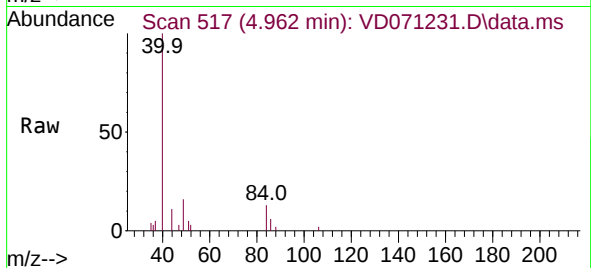
Tgt Ion: 43 Resp: 4305
Ion Ratio Lower Upper
43 100
58 29.3 27.8 41.8



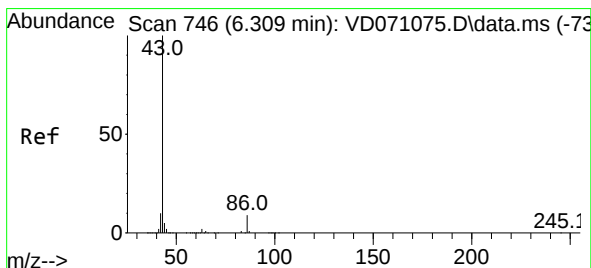
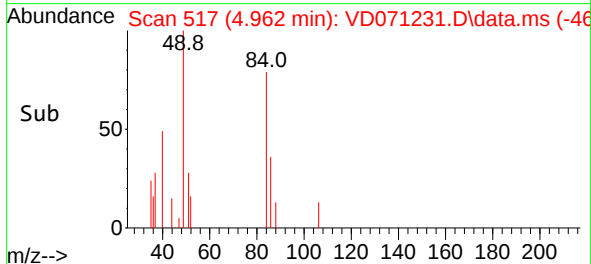
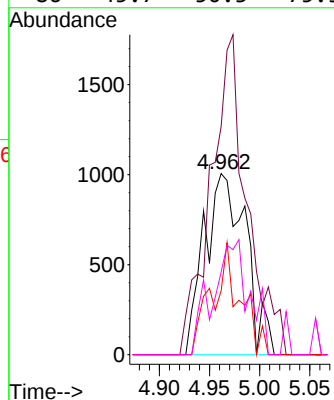


#20
Methylene Chloride
Concen: 5.101 ug/l
RT: 4.962 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Instrument :
MSVOA_D
ClientSampleId :

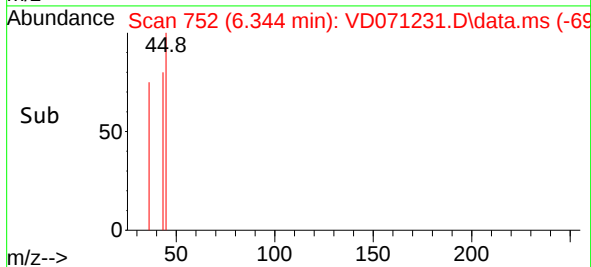
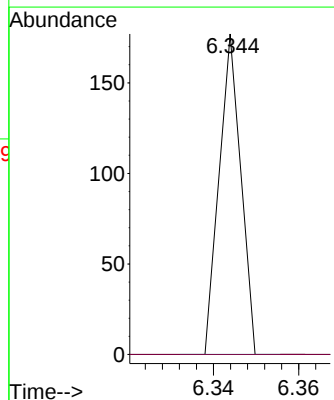
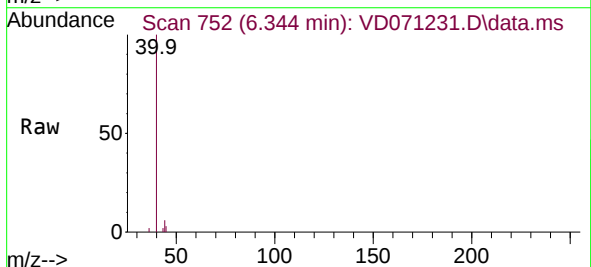


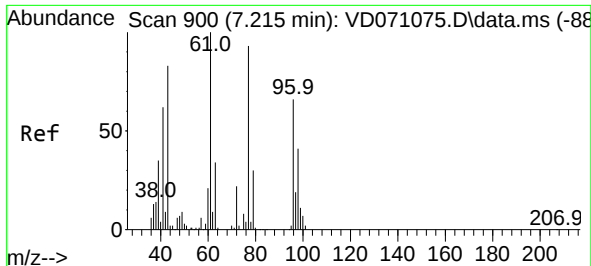
Tgt Ion:	84	Resp:	2900
Ion	Ratio	Lower	Upper
84	100		
49	126.0	95.8	143.6
51	35.4	30.9	46.3
86	45.7	50.3	75.5#



#23
Vinyl Acetate
Concen: 27.323 ug/l
RT: 6.344 min Scan# 752
Delta R.T. 0.035 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

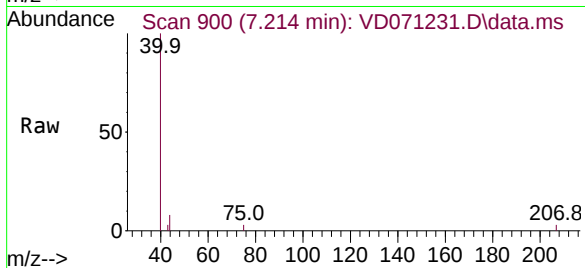
Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



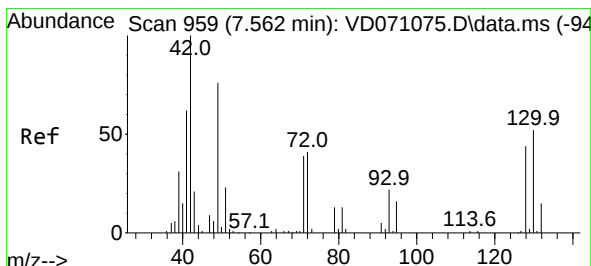
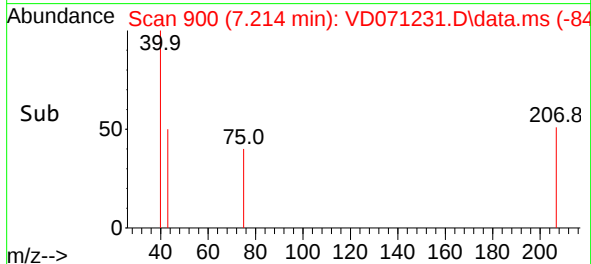
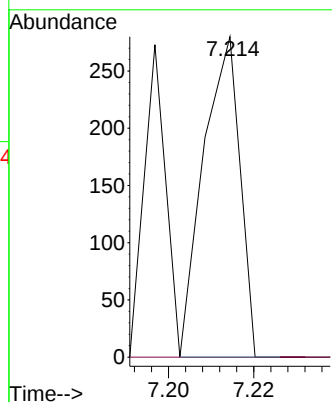


#25
2-Butanone
Concen: 29.837 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.001 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Instrument :
MSVOA_D
ClientSampleId :

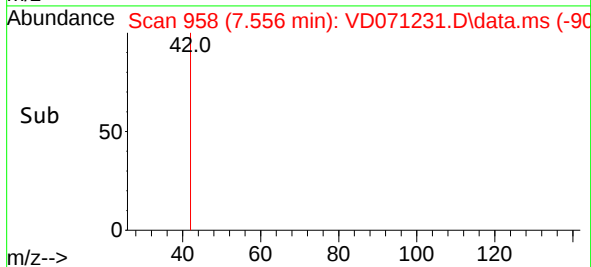
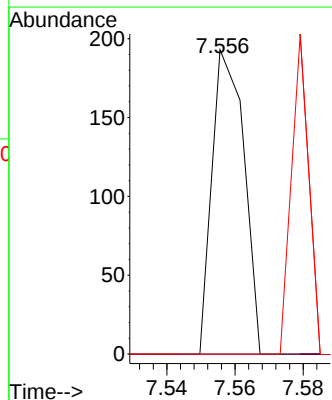
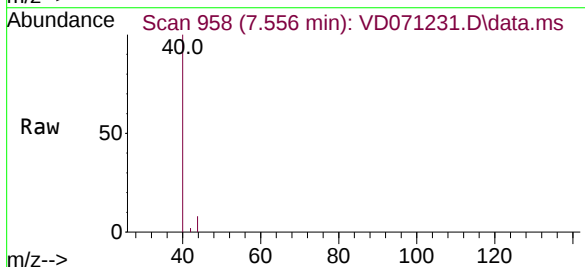


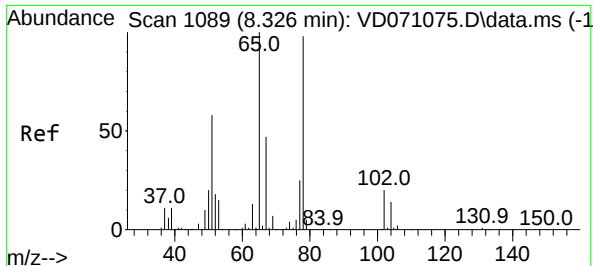
Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 2.425 ug/l
RT: 7.556 min Scan# 958
Delta R.T. -0.006 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Tgt Ion: 42 Resp: 125
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 74.314 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071231.D

Acq: 09 Dec 2021 16:35

Instrument :

MSVOA_D

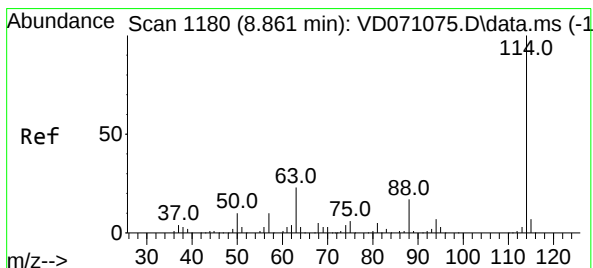
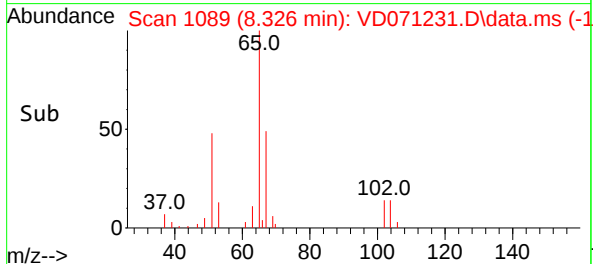
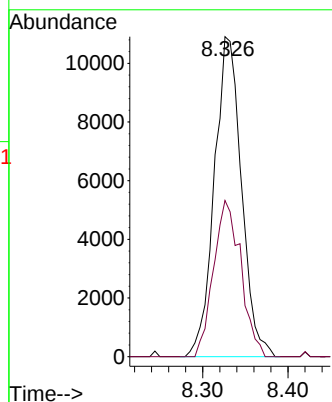
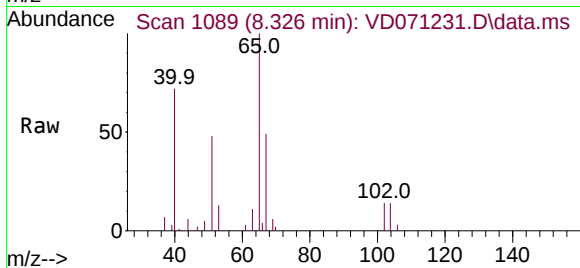
ClientSampleId :

Tgt Ion: 65 Resp: 24128

Ion Ratio Lower Upper

65 100

67 49.0 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: VD071231.D

Acq: 09 Dec 2021 16:35

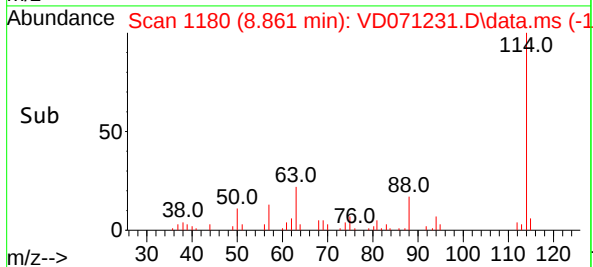
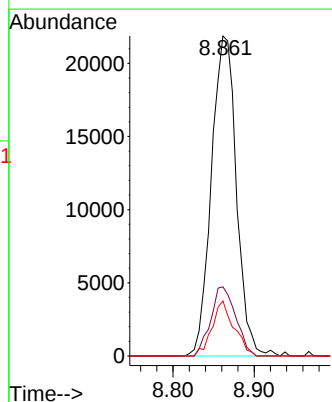
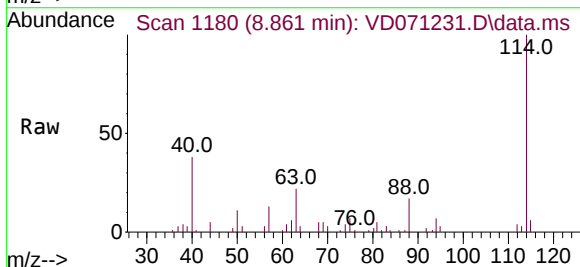
Tgt Ion: 114 Resp: 46840

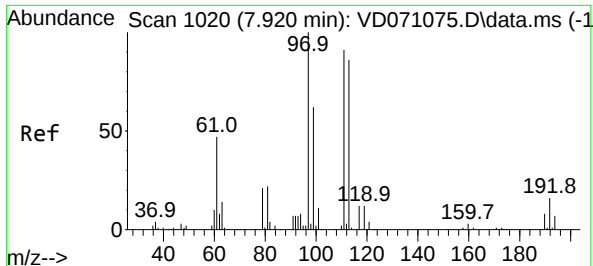
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 17.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 55.309 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071231.D

Acq: 09 Dec 2021 16:35

Instrument :

MSVOA_D

ClientSampleId :

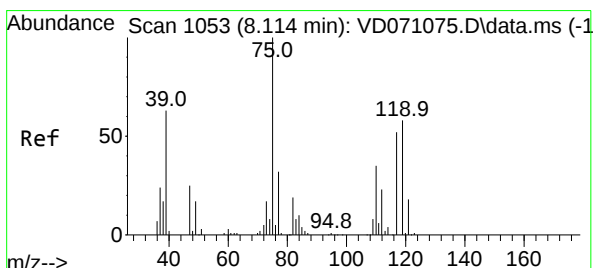
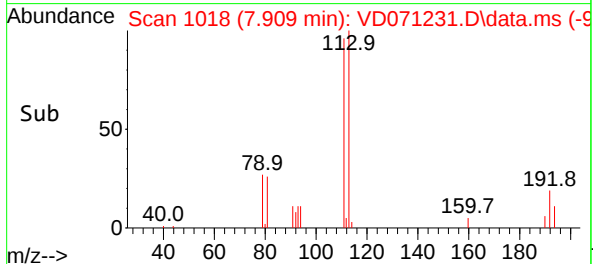
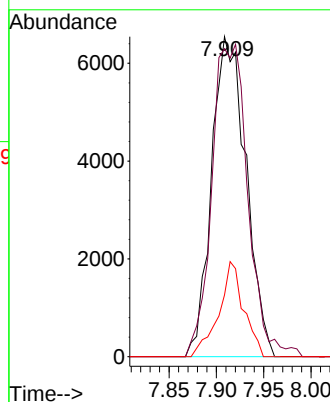
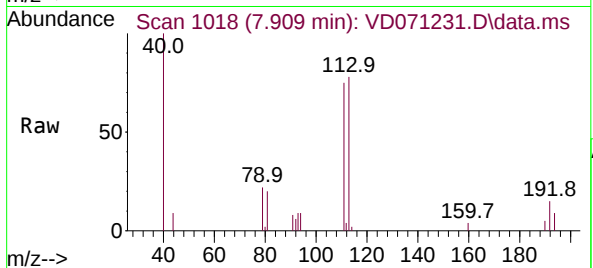
Tgt Ion:113 Resp: 16497

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 21.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 6.647 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD071231.D

Acq: 09 Dec 2021 16:35

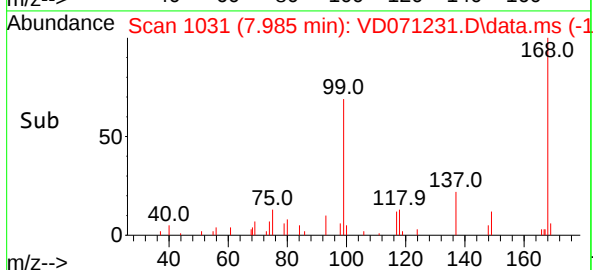
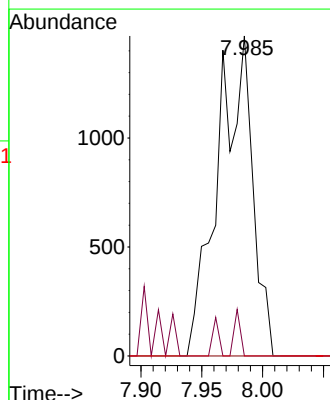
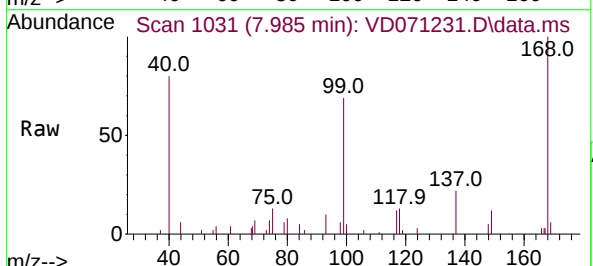
Tgt Ion: 75 Resp: 2910

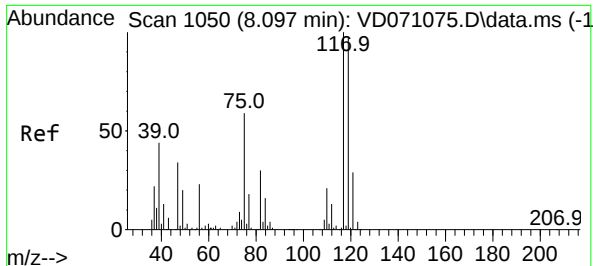
Ion Ratio Lower Upper

75 100

110 2.6 17.8 53.4#

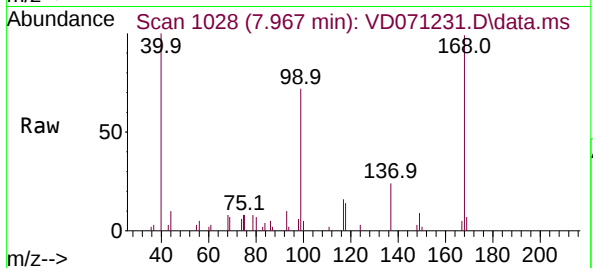
77 0.0 24.8 37.2#



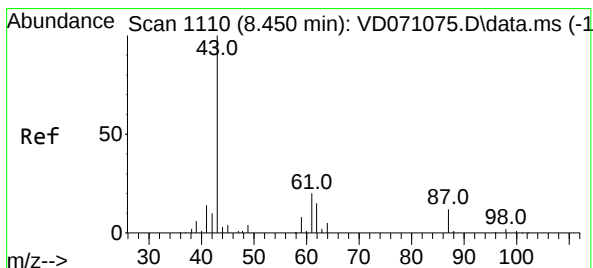
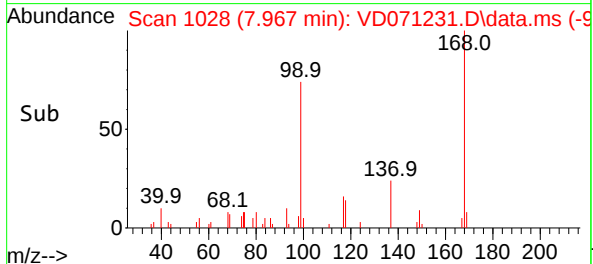
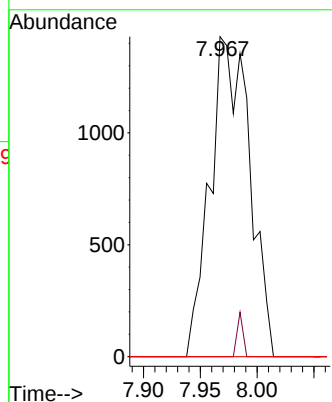


#38
Carbon Tetrachloride
Concen: 8.025 ug/l
RT: 7.967 min Scan# 1109
Delta R.T. -0.130 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Instrument :
MSVOA_D
ClientSampleId :

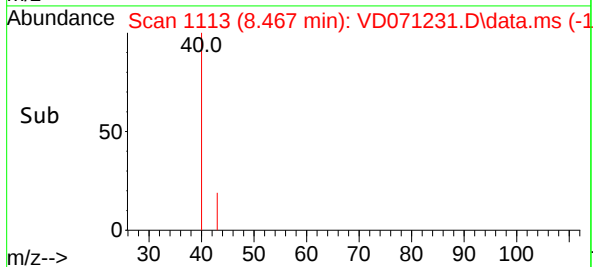
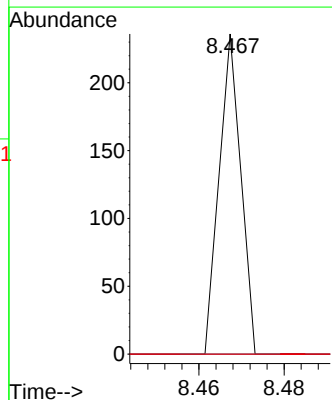
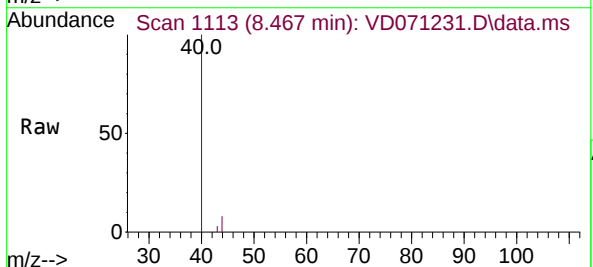


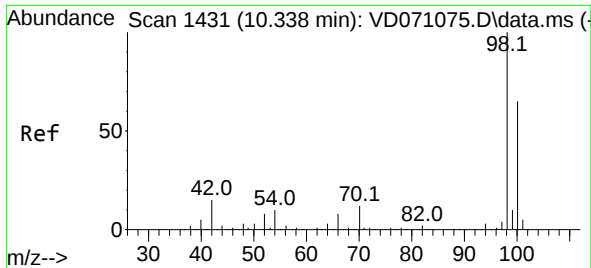
Tgt Ion:117 Resp: 3463
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.402 ug/l
RT: 8.467 min Scan# 1113
Delta R.T. 0.017 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

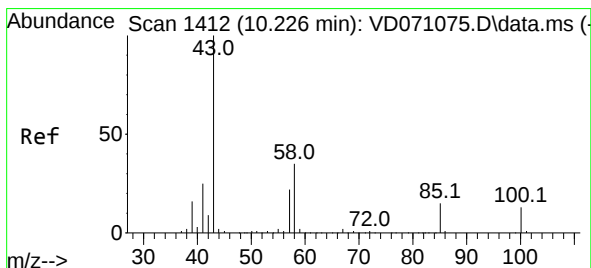
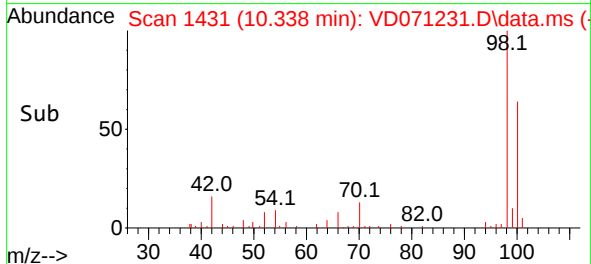
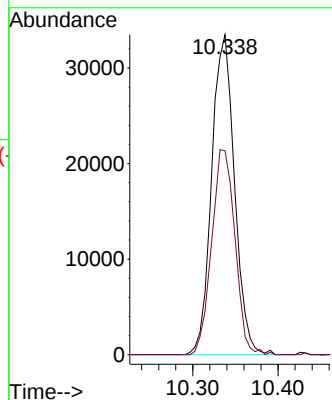
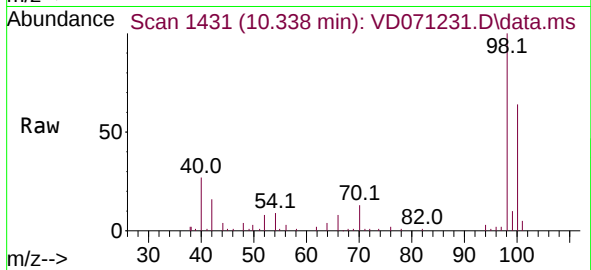




#50
Toluene-d8
Concen: 54.895 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

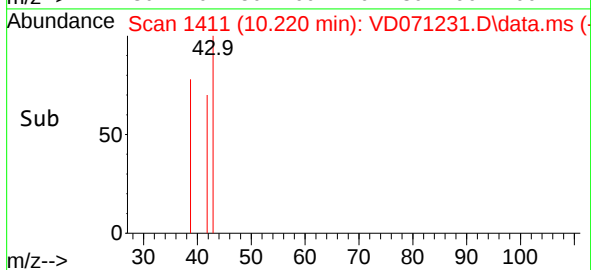
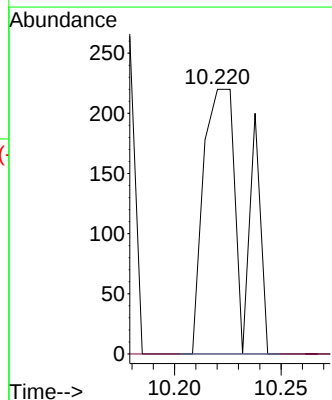
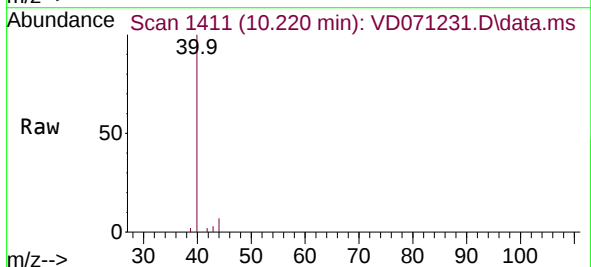
Instrument :
MSVOA_D
ClientSampleId :

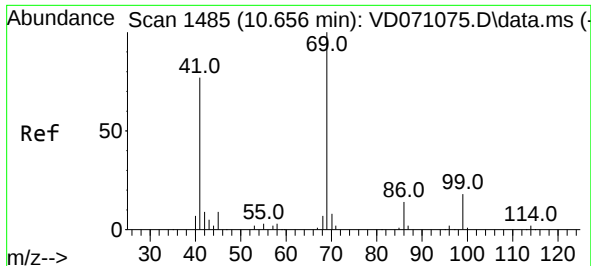
Tgt Ion: 98 Resp: 62310
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.841 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

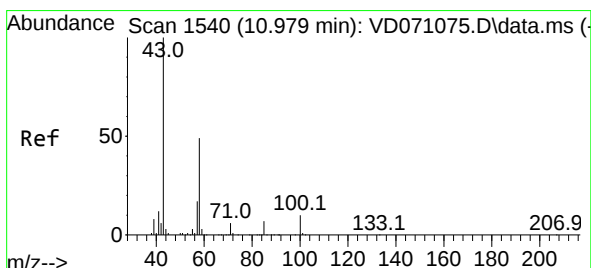
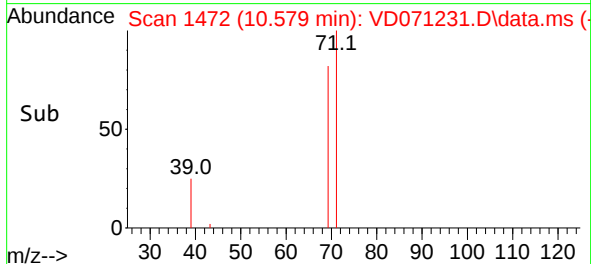
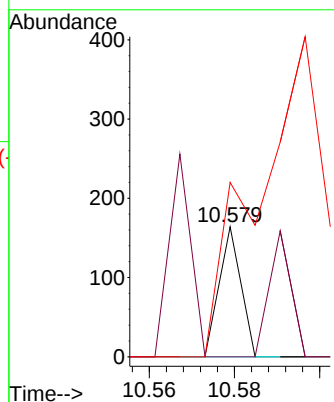
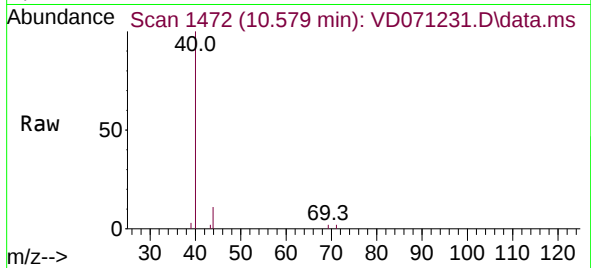




#56
Ethyl methacrylate
Concen: 6.137 ug/l
RT: 10.579 min Scan# 1485
Delta R.T. -0.077 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

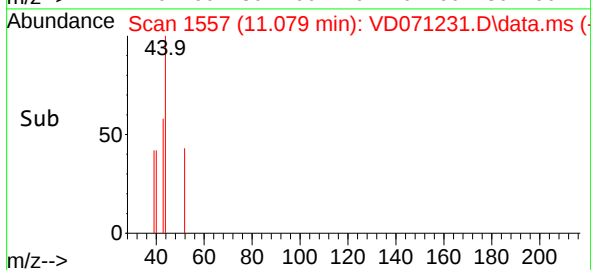
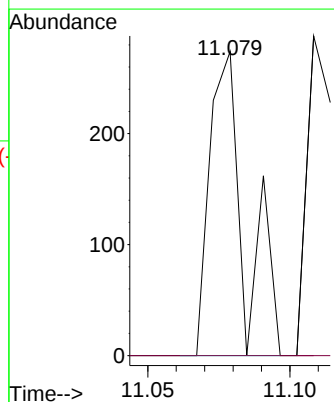
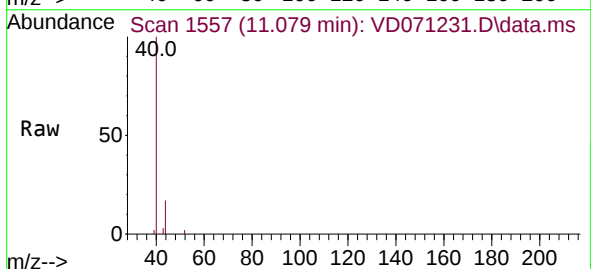
Instrument :
MSVOA_D
ClientSampleId :

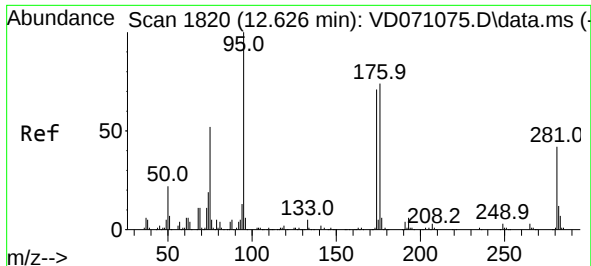
Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 96.6 50.2 75.2#
39 744.8 19.8 29.8#



#59
2-Hexanone
Concen: 35.834 ug/l
RT: 11.079 min Scan# 1557
Delta R.T. 0.100 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Tgt Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

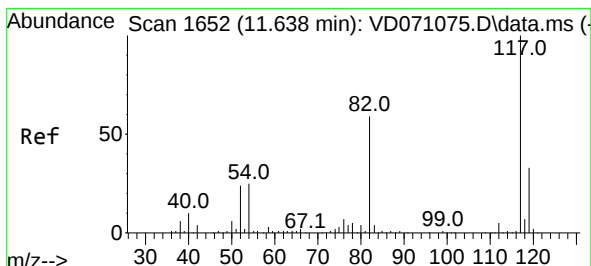
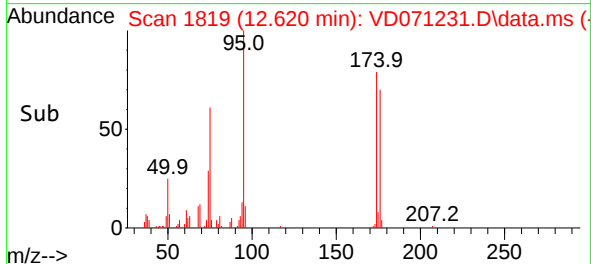
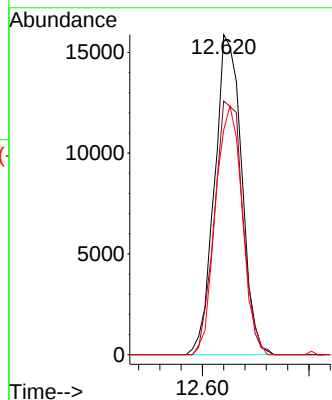
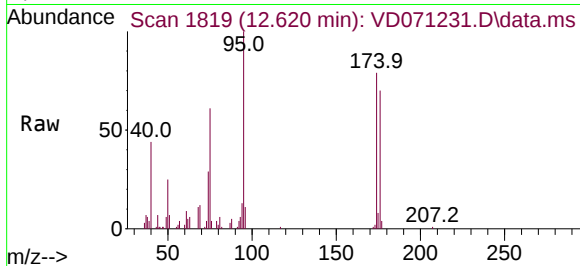




#62
4-Bromofluorobenzene
Concen: 71.019 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

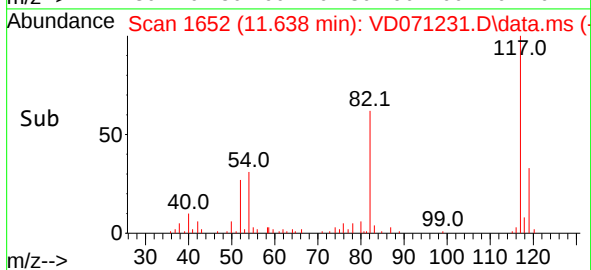
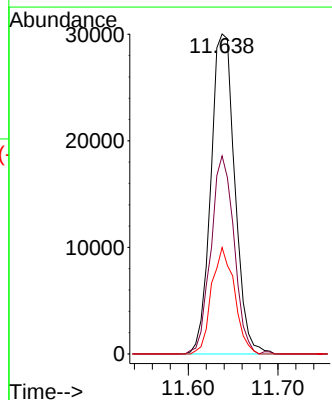
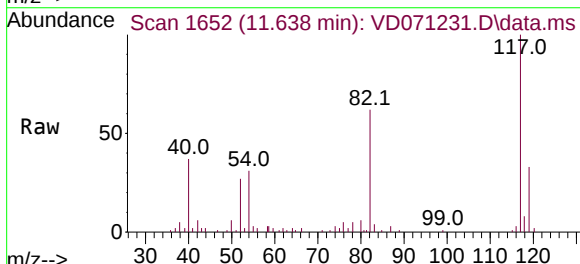
Instrument :
MSVOA_D
ClientSampleId :

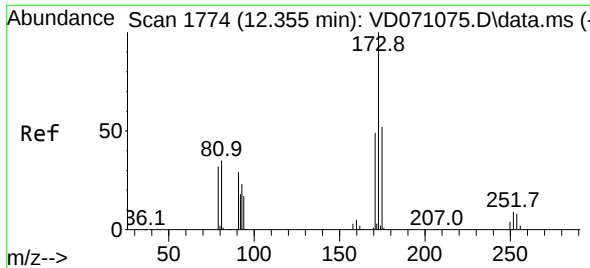
Tgt Ion: 95 Resp: 27943
Ion Ratio Lower Upper
95 100
174 82.3 0.0 159.4
176 77.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Tgt Ion: 117 Resp: 55716
Ion Ratio Lower Upper
117 100
82 61.9 44.7 67.1
119 33.3 26.2 39.4

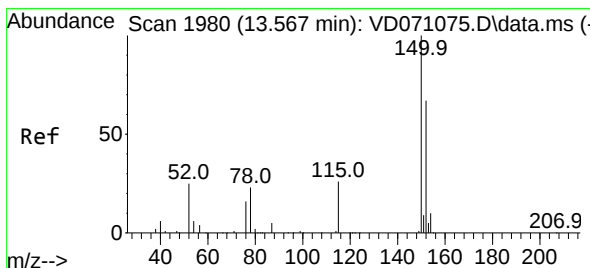
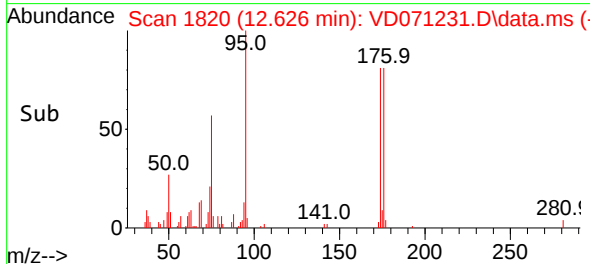
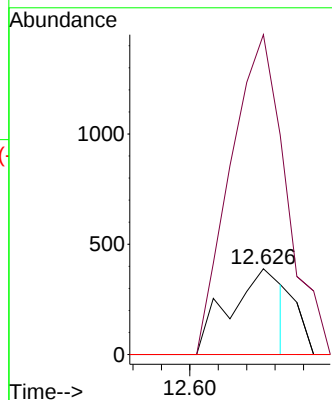
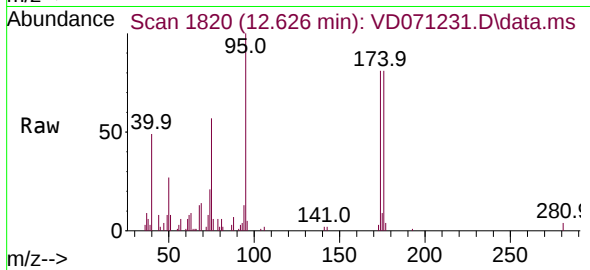




#71
Bromoform
Concen: 2.542 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

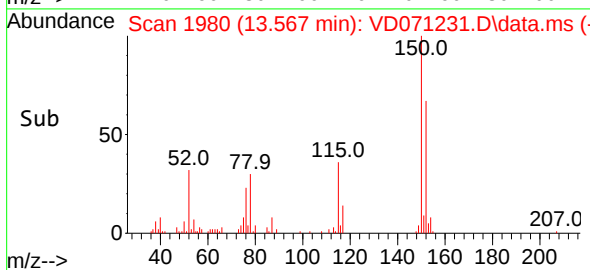
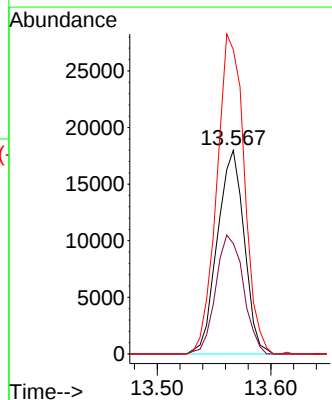
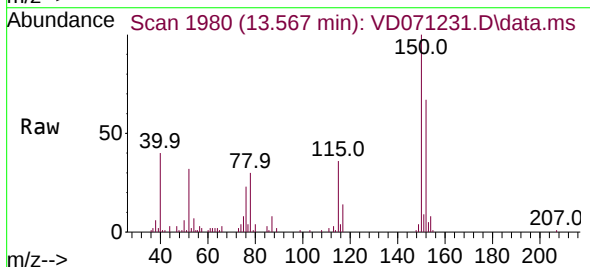
Instrument :
MSVOA_D
ClientSampleId :

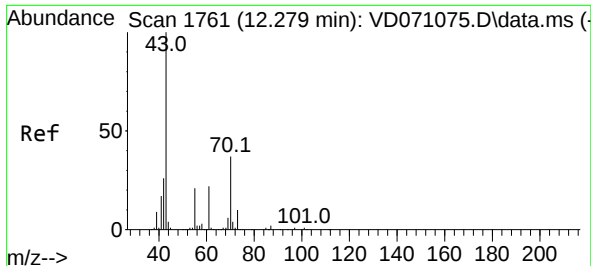
Tgt Ion:173 Resp: 497
Ion Ratio Lower Upper
173 100
175 351.3 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

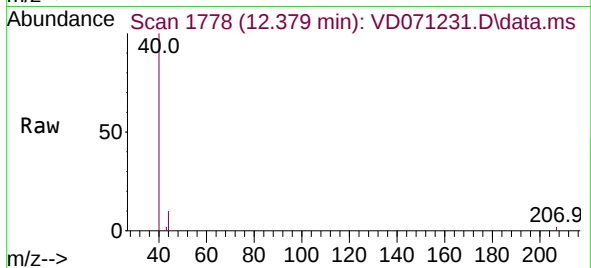
Tgt Ion:152 Resp: 29520
Ion Ratio Lower Upper
152 100
115 60.2 29.8 89.3
150 160.6 0.0 349.2



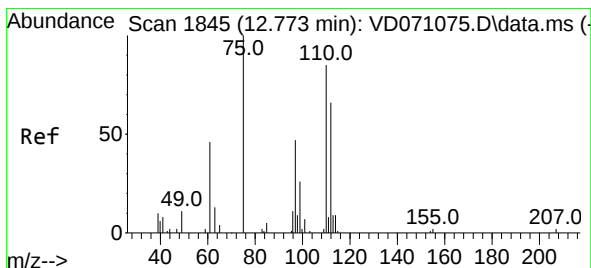
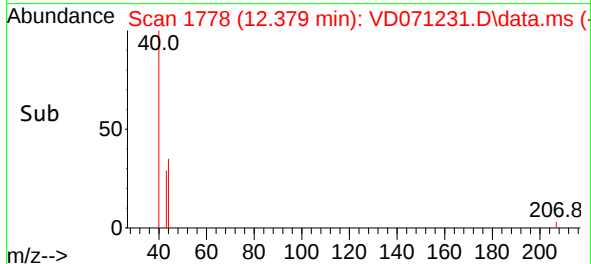
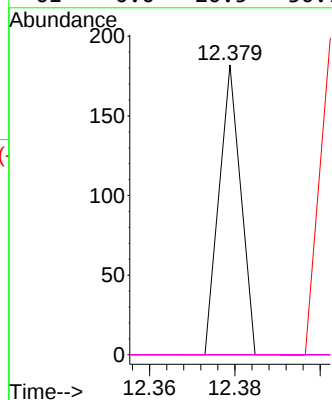


#74
N-amy1 acetate
Concen: 5.798 ug/l
RT: 12.379 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

Instrument :
MSVOA_D
ClientSampleId :

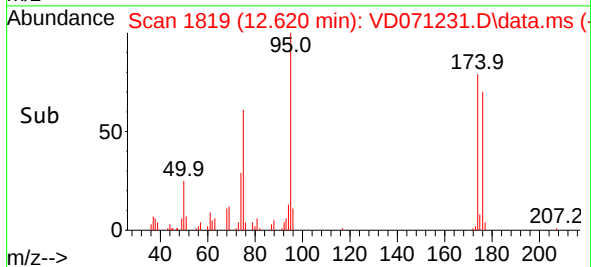
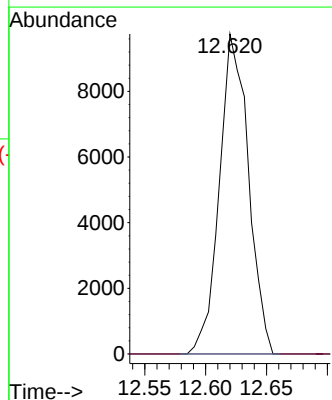
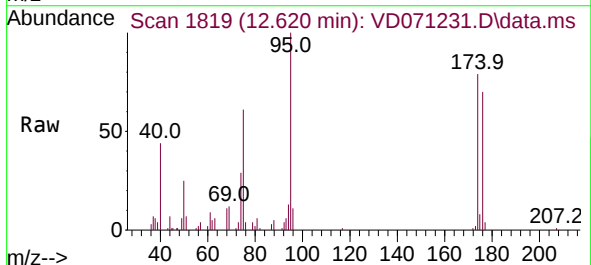


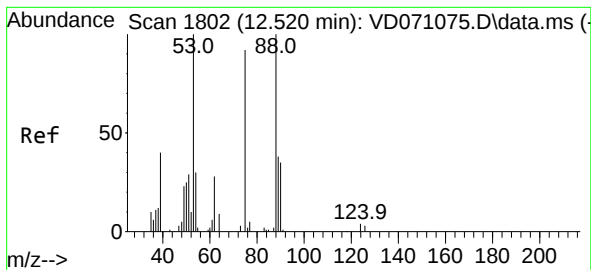
Tgt Ion: 43	Resp: 64
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 57.546 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071231.D
Acq: 09 Dec 2021 16:35

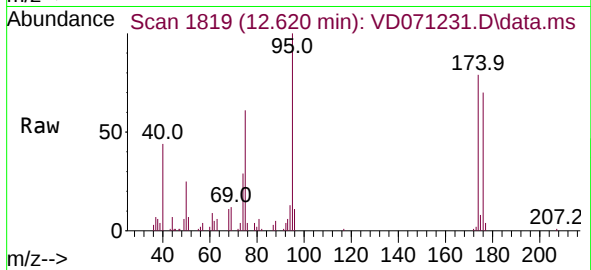
Tgt Ion: 75	Resp: 16185
Ion Ratio	Lower Upper
75 100	
77 0.0	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.827 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD071231.D
 Acq: 09 Dec 2021 16:35

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 16185
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

