

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071470.D
 Acq On : 25 Dec 2021 20:56
 Operator : VA/SY
 Sample : M5223-05
 Misc : 7.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-17-(15-20)-12-22-21

Quant Time: Dec 27 00:52:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

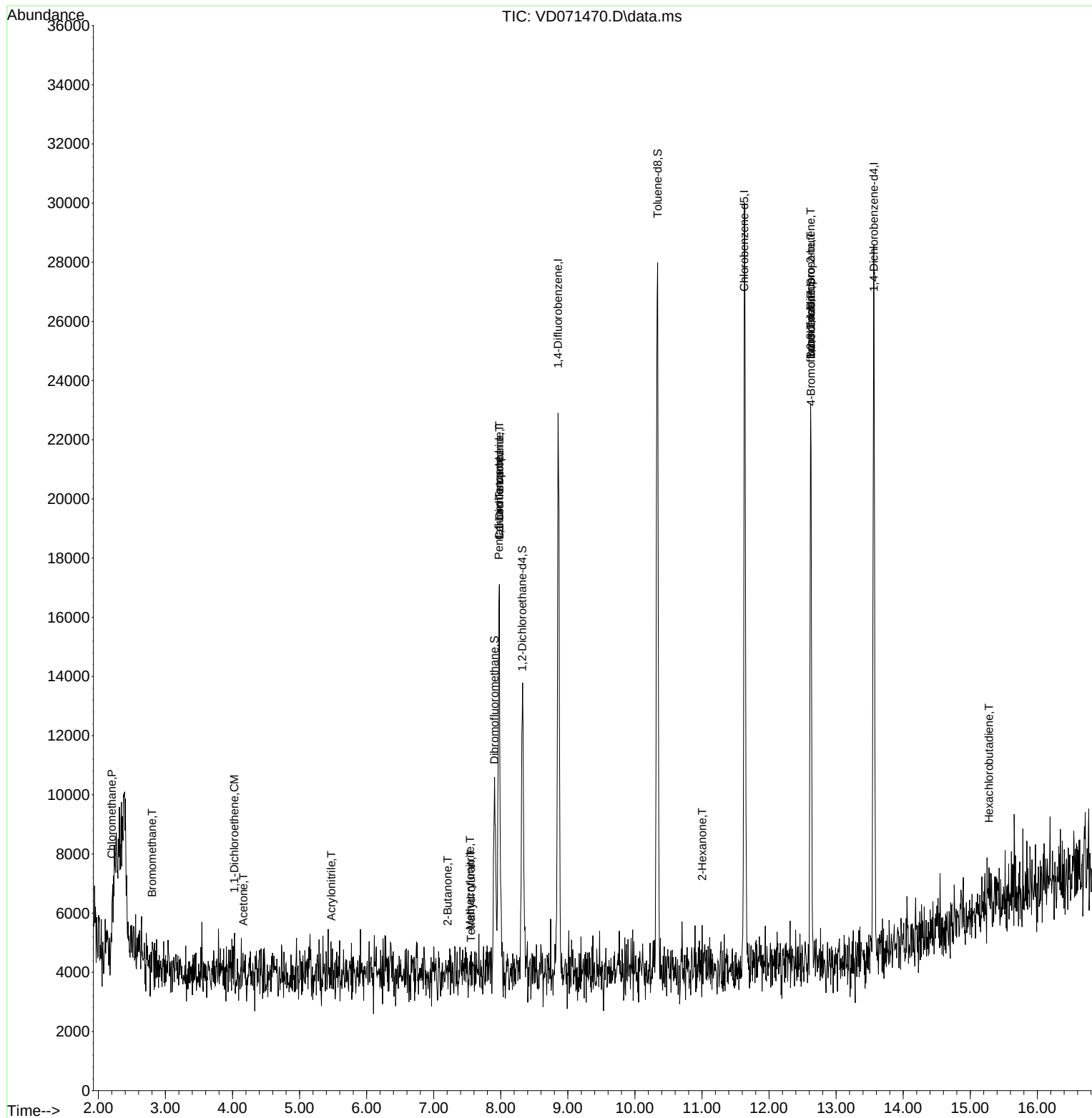
Internal Standards						
1) Pentafluorobenzene	7.973	168	8396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	13827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	12910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	5687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	7302	65.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.980%	
35) Dibromofluoromethane	7.903	113	4947	53.235	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.460%	
50) Toluene-d8	10.338	98	16052	45.709	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.420%	
62) 4-Bromofluorobenzene	12.626	95	5642	45.212	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.420%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	241	2.139	ug/l #	42
5) Bromomethane	2.803	94	198	2.097	ug/l #	3
12) 1,1-Dichloroethene	4.026	96	110	1.258	ug/l #	1
15) Acrylonitrile	5.473	53	69	2.961	ug/l #	19
16) Acetone	4.162	43	97	3.463	ug/l #	40
20) Methylene Chloride	4.956	84	63	Below Cal	#	23
25) 2-Butanone	7.208	43	56	1.674	ug/l #	45
29) Tetrahydrofuran	7.555	42	56	2.788	ug/l #	34
36) 1,1-Dichloropropene	7.979	75	884	5.954	ug/l #	48
38) Carbon Tetrachloride	7.979	117	996	6.800	ug/l #	12
41) Methacrylonitrile	7.544	41	166	4.077	ug/l #	26
59) 2-Hexanone	11.002	43	121	2.392	ug/l #	22
71) Bromoform	12.620	173	56	1.070	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	4109	60.809	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	4109	171.819	ug/l #	18
94) Hexachlorobutadiene	15.279	225	56	1.029	ug/l #	19

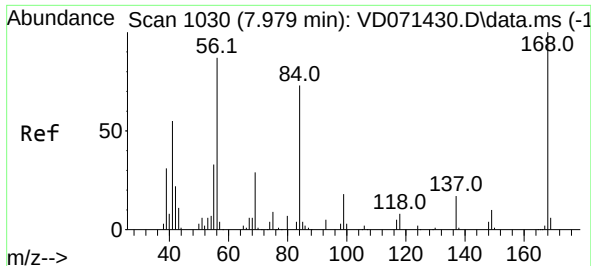
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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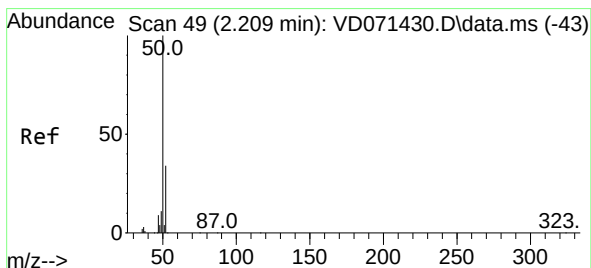
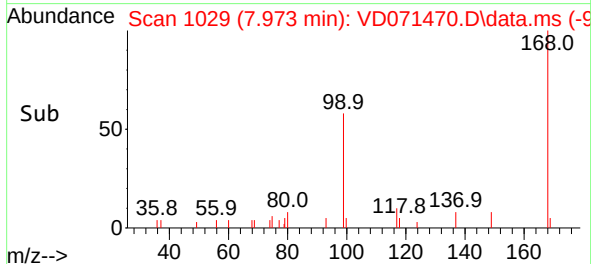
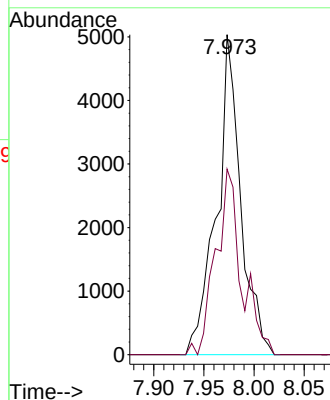
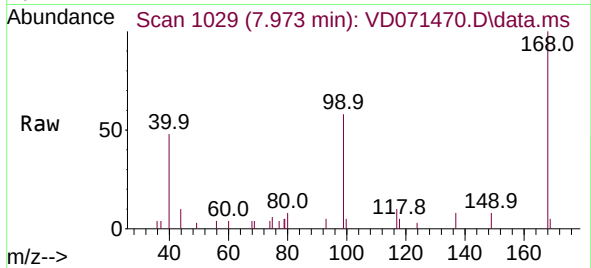




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

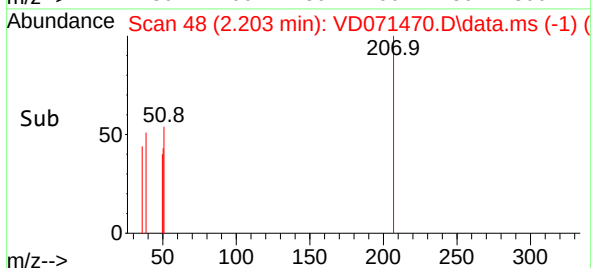
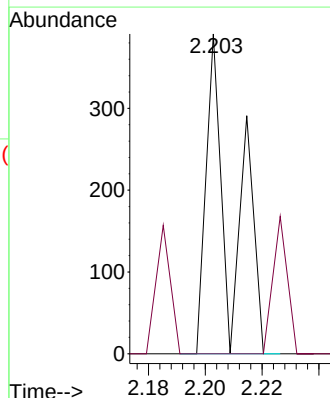
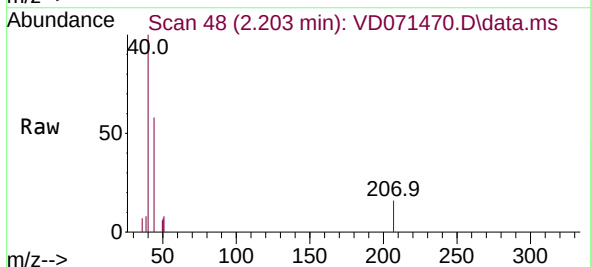
Instrument :
MSVOA_D
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DB-17-(15-20)-12-22-21

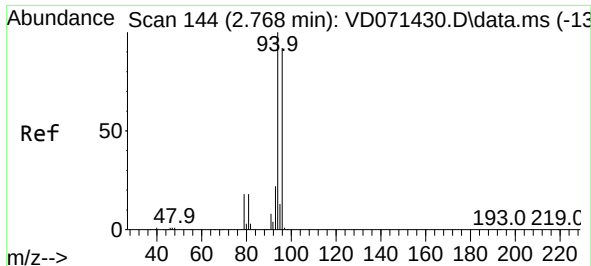
Tgt Ion:168 Resp: 8396
Ion Ratio Lower Upper
168 100
99 58.0 46.6 69.8



#3
Chloromethane
Concen: 2.139 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

Tgt Ion: 50 Resp: 241
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

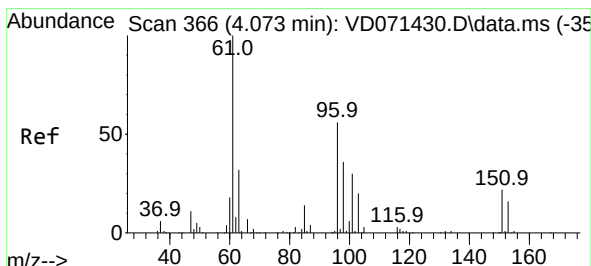
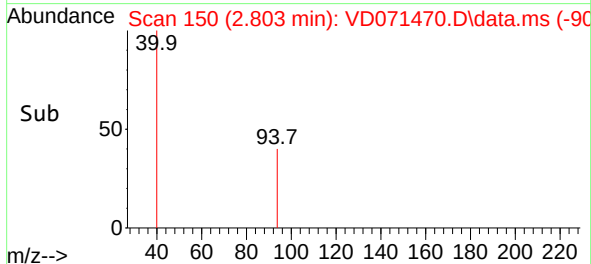
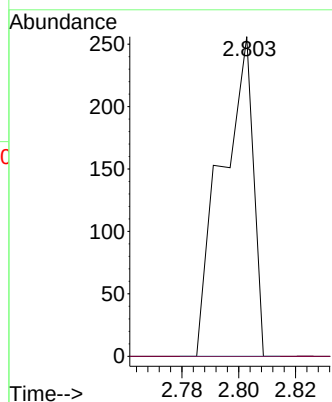
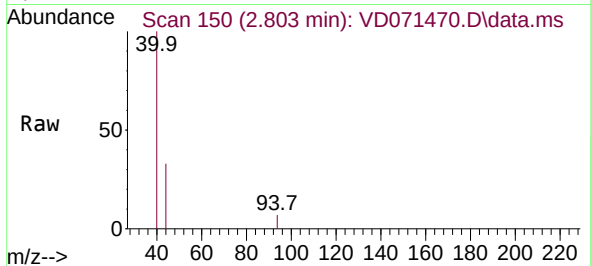




#5
Bromomethane
Concen: 2.097 ug/l
RT: 2.803 min Scan# 11
Delta R.T. 0.053 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

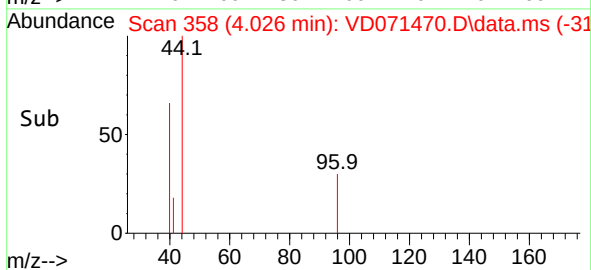
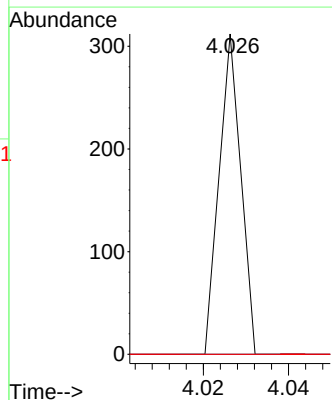
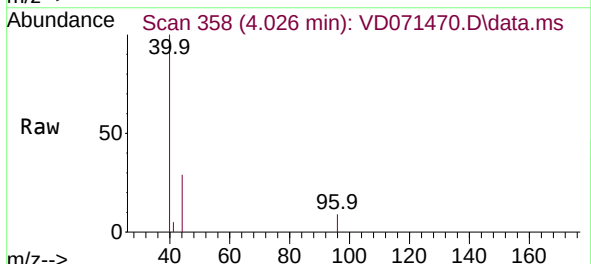
Instrument :
MSVOA_D
ClientSampleId :
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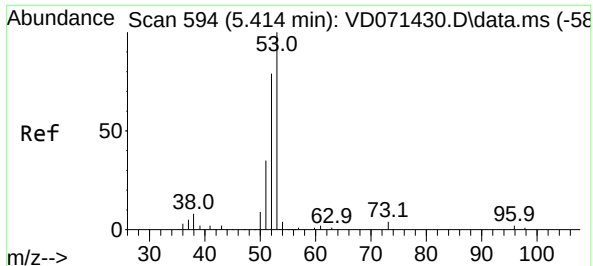
Tgt Ion: 94 Resp: 198
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#12
1,1-Dichloroethene
Concen: 1.258 ug/l
RT: 4.026 min Scan# 358
Delta R.T. -0.036 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

Tgt Ion: 96 Resp: 110
Ion Ratio Lower Upper
96 100
61 0.0 120.3 180.5#
98 0.0 54.4 81.6#

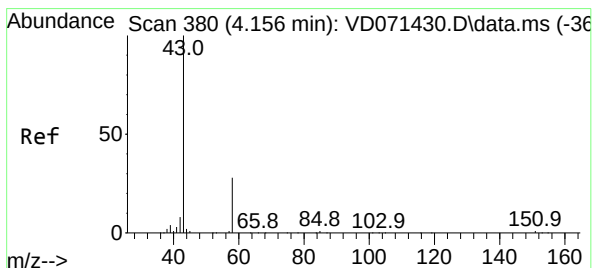
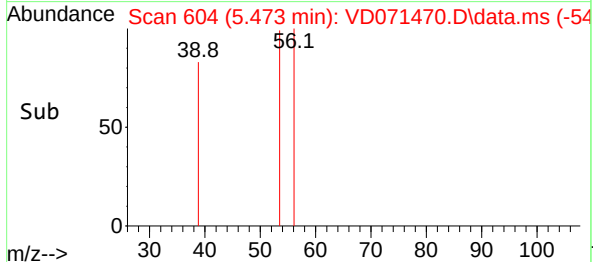
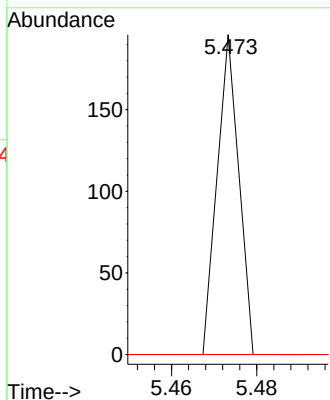
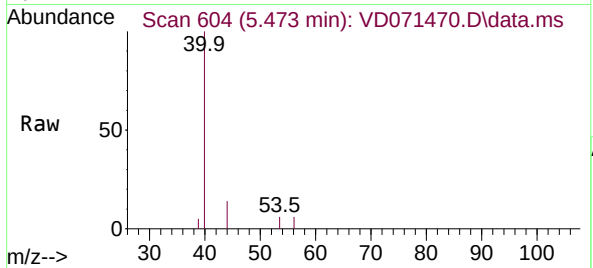




#15
Acrylonitrile
Concen: 2.961 ug/l
RT: 5.473 min Scan# 60
Delta R.T. 0.053 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

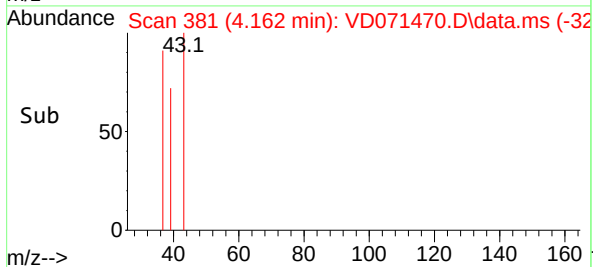
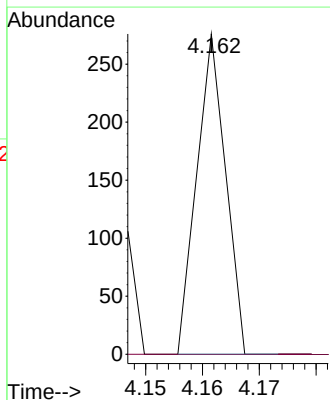
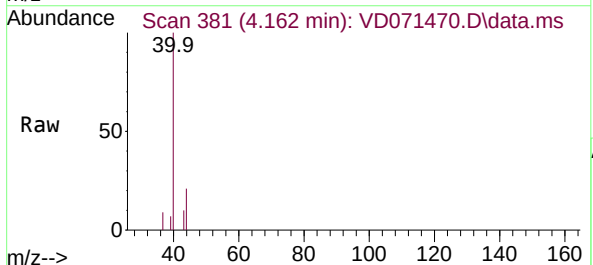
Instrument :
MSVOA_D
ClientSampleId :
DB-17-(15-20)-12-22-21

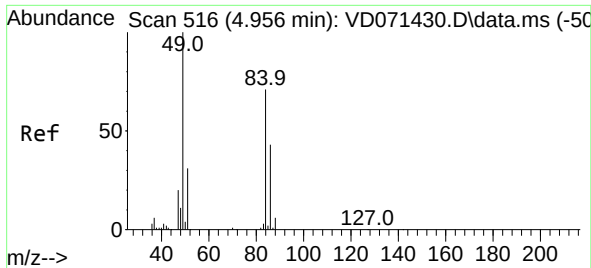
Tgt Ion: 53 Resp: 69
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 3.463 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

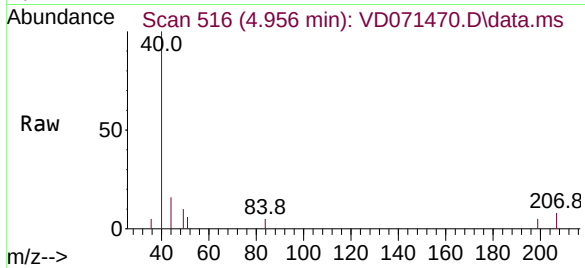
Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



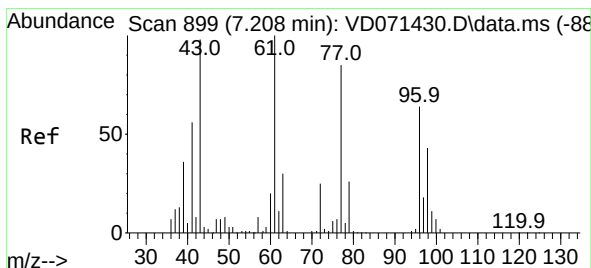
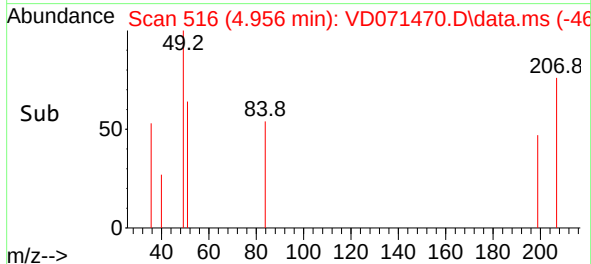
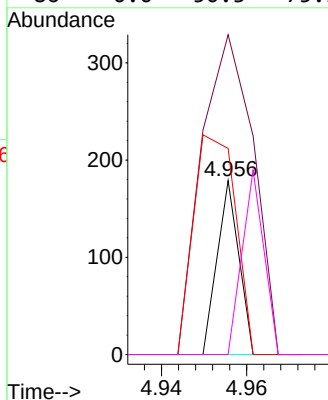


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

Instrument :
MSVOA_D
ClientSampleId :
DB-17-(15-20)-12-22-21

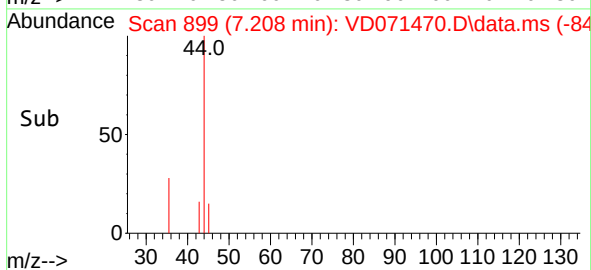
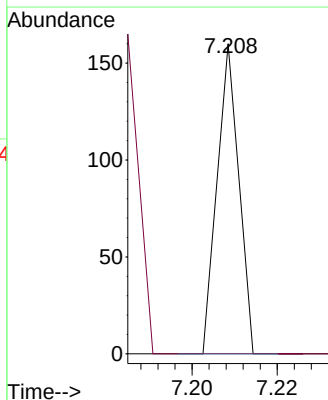
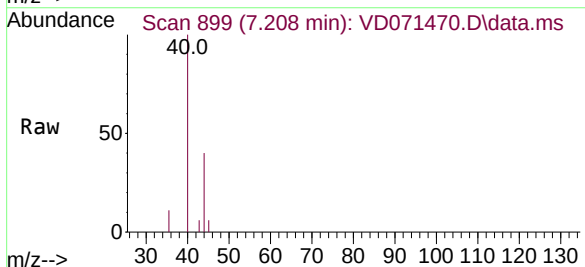


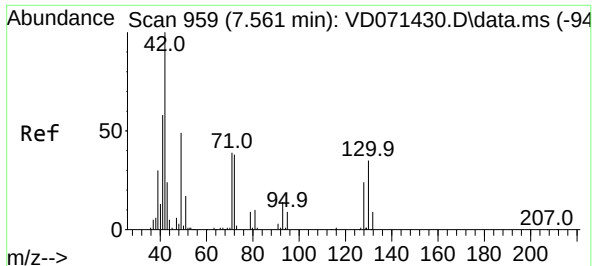
Tgt Ion:	84	Resp:	63
Ion	Ratio	Lower	Upper
84	100		
49	183.8	95.8	143.6#
51	118.4	30.9	46.3#
86	0.0	50.3	75.5#



#25
2-Butanone
Concen: 1.674 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#





#29

Tetrahydrofuran

Concen: 2.788 ug/l

RT: 7.555 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD071470.D

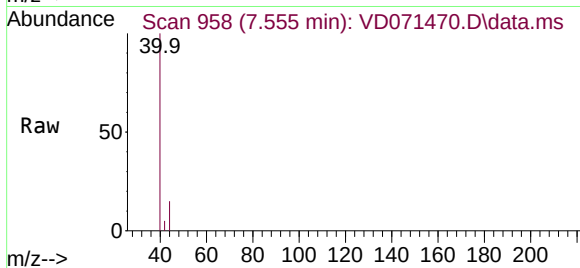
Acq: 25 Dec 2021 20:56

Instrument :

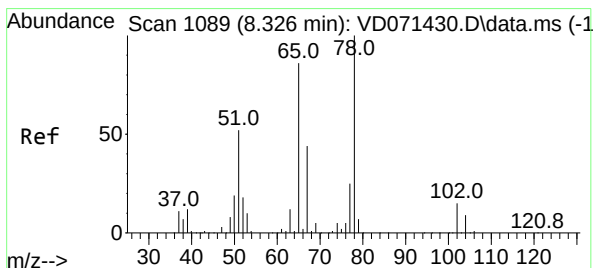
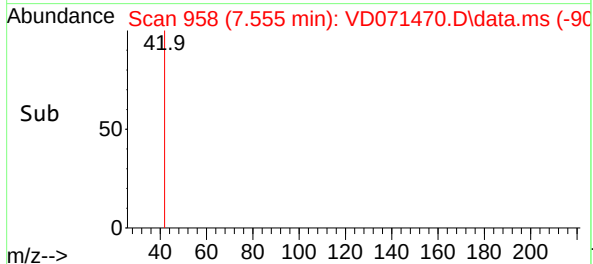
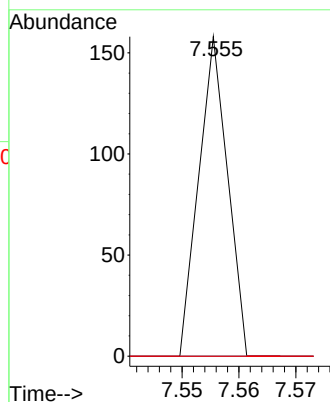
MSVOA_D

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Tgt Ion:	42	Resp:	56
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: 65.485 ug/l

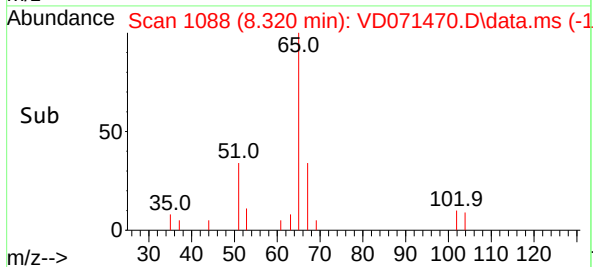
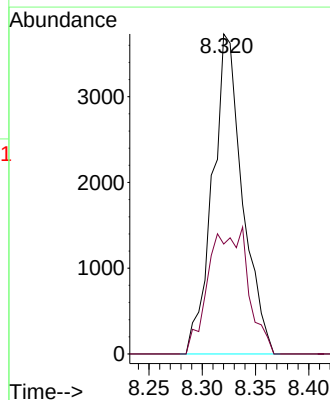
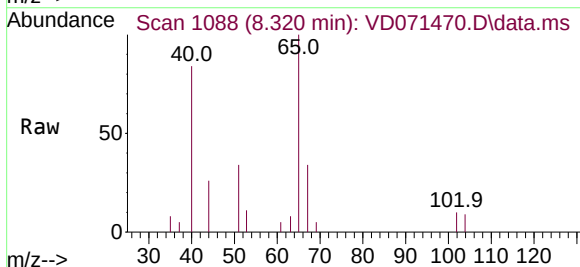
RT: 8.320 min Scan# 1088

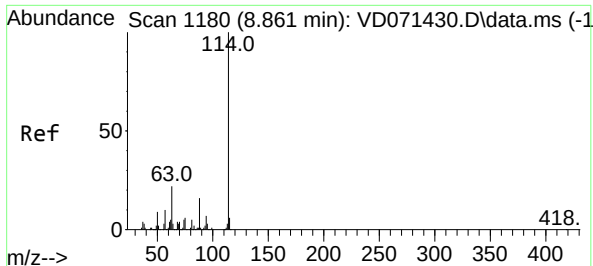
Delta R.T. -0.006 min

Lab File: VD071470.D

Acq: 25 Dec 2021 20:56

Tgt Ion:	65	Resp:	7302
Ion	Ratio	Lower	Upper
65	100		
67	51.8	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: VD071470.D

Acq: 25 Dec 2021 20:56

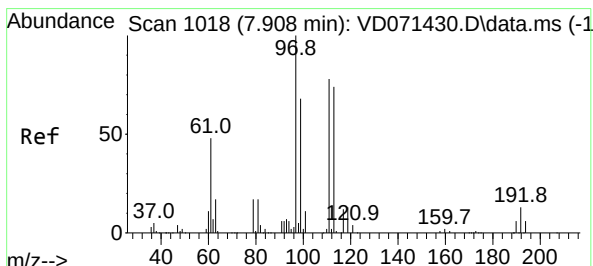
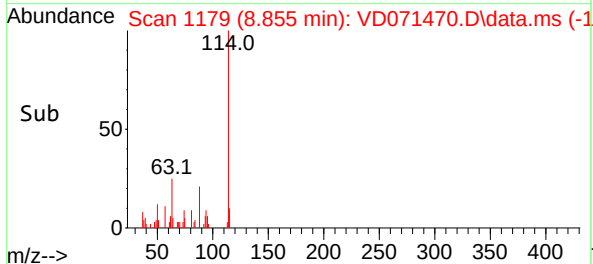
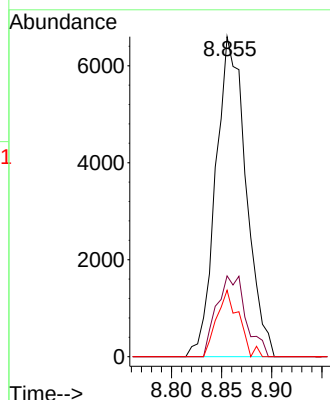
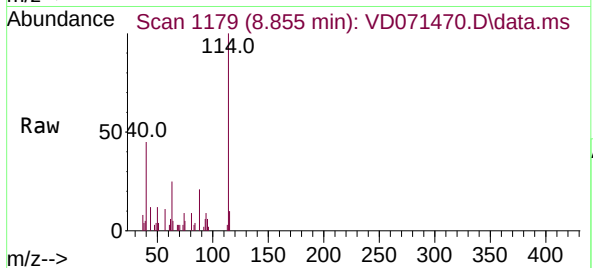
Instrument :

MSVOA_D

ClientSampleId :

DB-17-(15-20)-12-22-21

Tgt Ion:114	Resp:	13827
Ion Ratio	Lower	Upper
114	100	
63	25.2	0.0 41.8
88	20.7	0.0 32.8



#35

Dibromofluoromethane

Concen: 53.235 ug/l

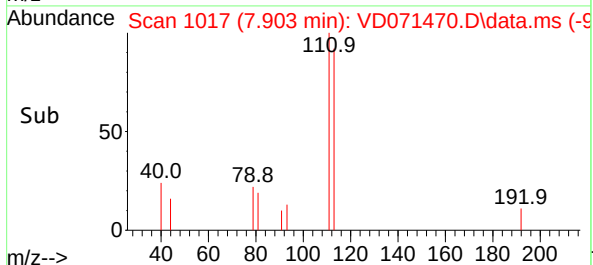
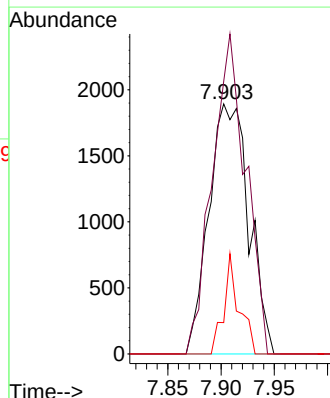
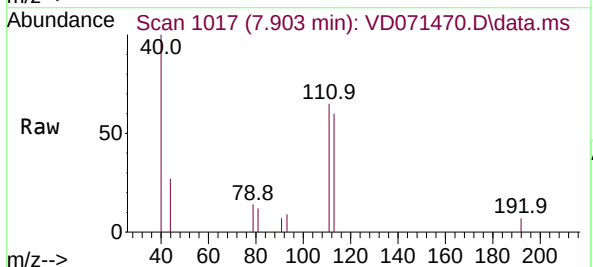
RT: 7.903 min Scan# 1017

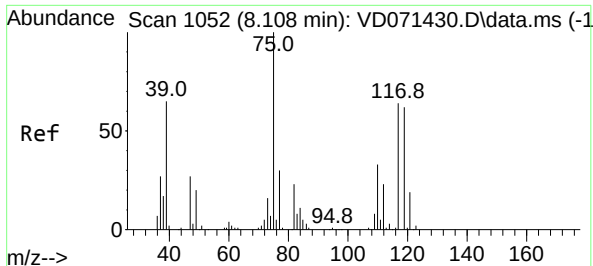
Delta R.T. -0.005 min

Lab File: VD071470.D

Acq: 25 Dec 2021 20:56

Tgt Ion:113	Resp:	4947
Ion Ratio	Lower	Upper
113	100	
111	107.5	82.0 123.0
192	15.2	15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.954 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071470.D

Acq: 25 Dec 2021 20:56

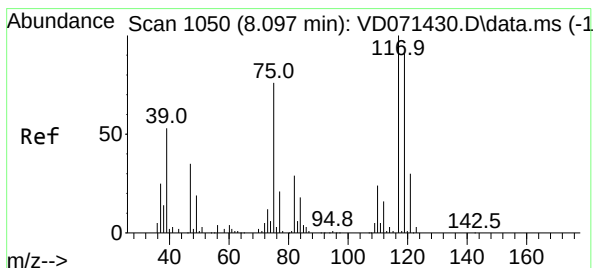
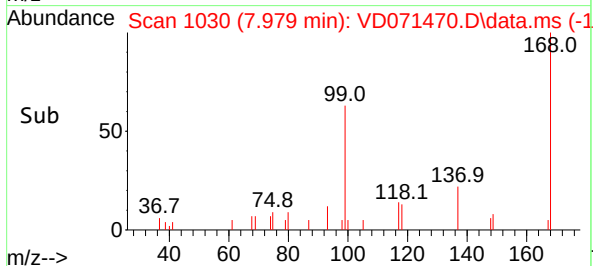
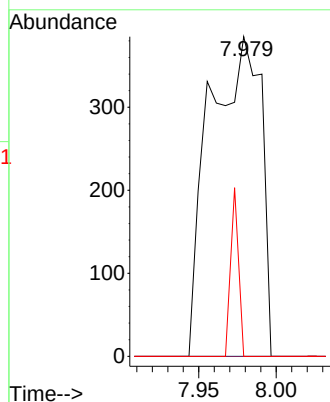
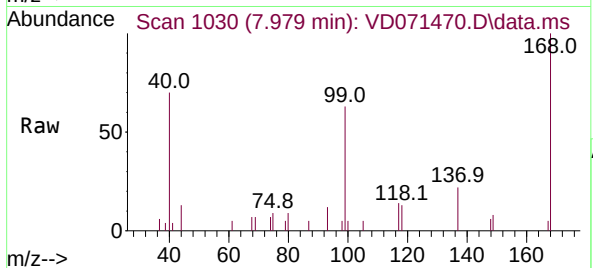
Instrument :

MSVOA_D

ClientSampleId :

DB-17-(15-20)-12-22-21

Tgt Ion: 75	Resp: 884
Ion Ratio	Lower Upper
75	100
110	0.0 17.8 53.4#
77	8.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.800 ug/l

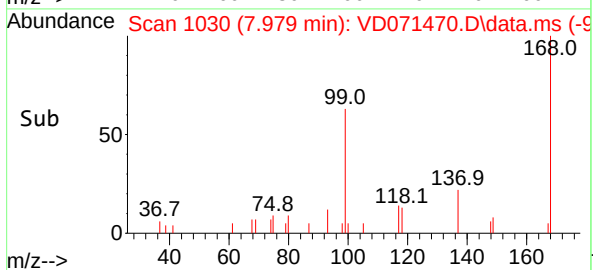
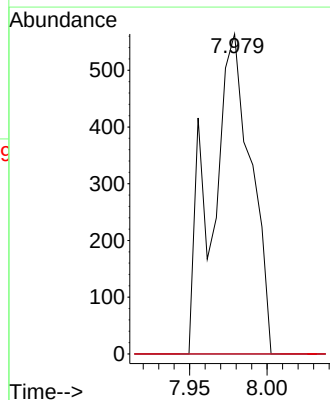
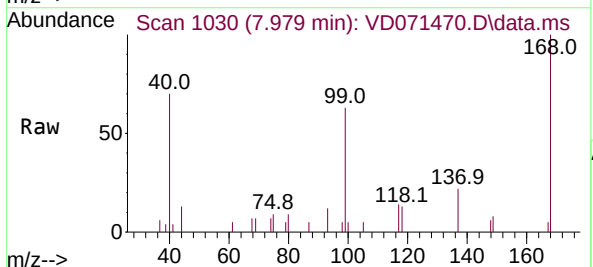
RT: 7.979 min Scan# 1030

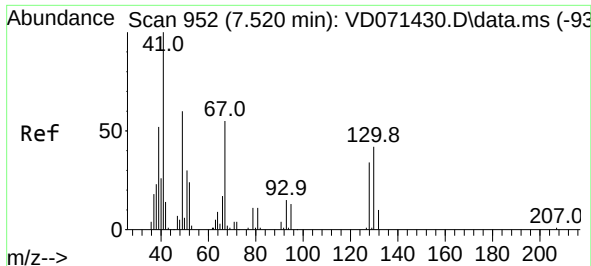
Delta R.T. -0.118 min

Lab File: VD071470.D

Acq: 25 Dec 2021 20:56

Tgt Ion: 117	Resp: 996
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 23.6 35.4#

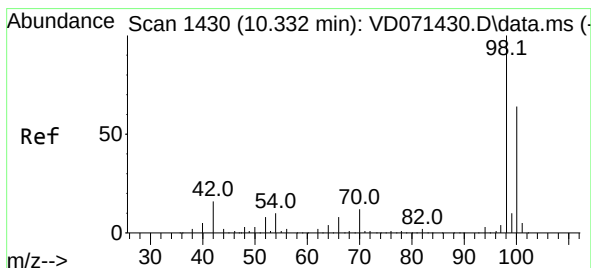
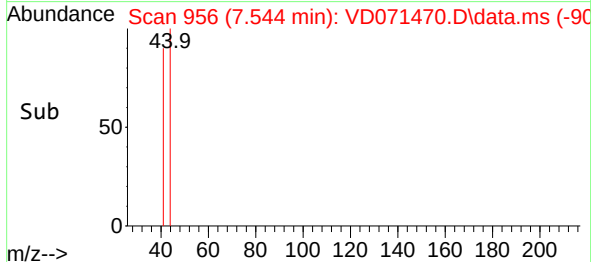
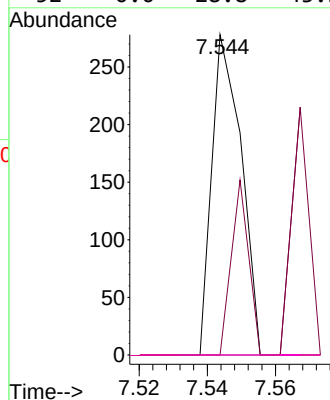
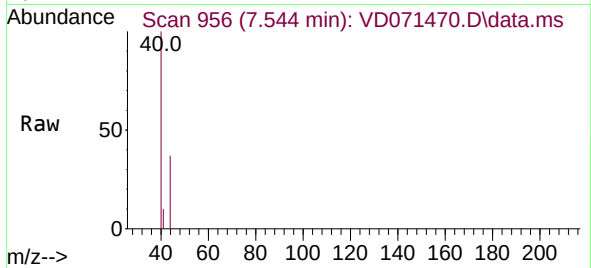




#41
Methacrylonitrile
Concen: 4.077 ug/l
RT: 7.544 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

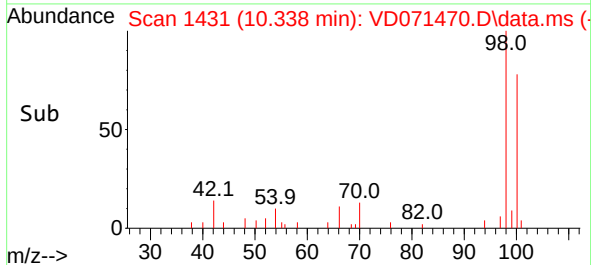
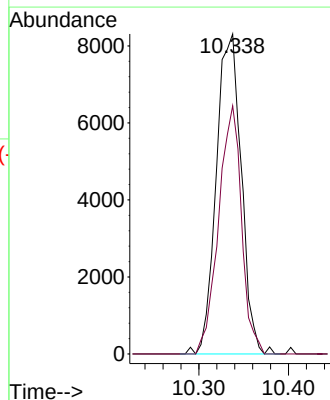
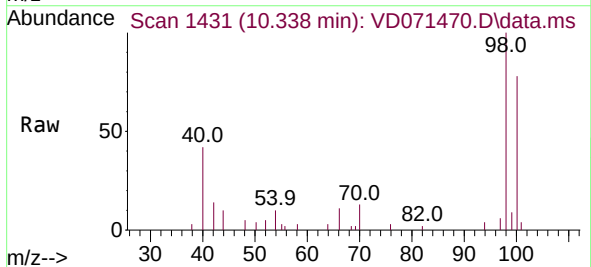
Instrument :
MSVOA_D
ClientSampleId :
DB-17-(15-20)-12-22-21

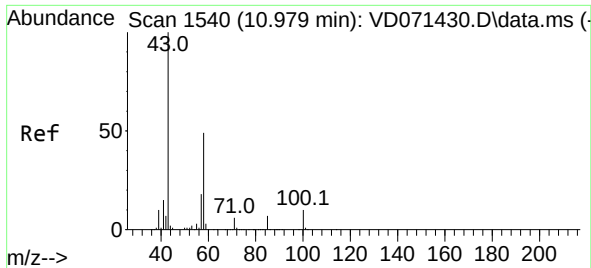
Tgt Ion: 41	Resp: 166
Ion Ratio	Lower Upper
41 100	
39 32.5	60.2 90.4#
67 0.0	74.8 112.2#
52 0.0	28.8 43.2#



#50
Toluene-d8
Concen: 45.709 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

Tgt Ion: 98	Resp: 16052
Ion Ratio	Lower Upper
98 100	
100 71.2	51.8 77.6

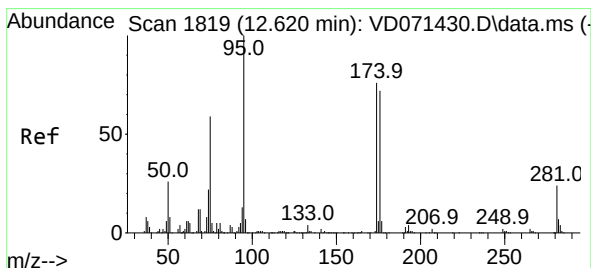
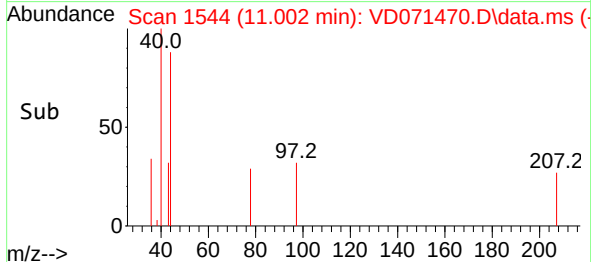
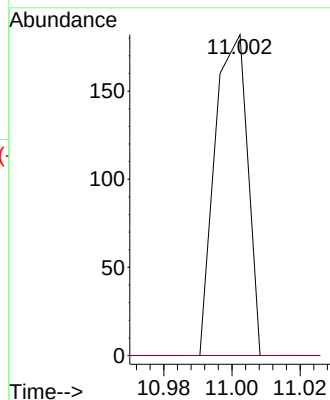
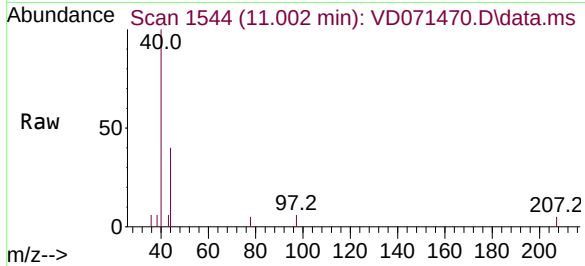




#59
2-Hexanone
Concen: 2.392 ug/l
RT: 11.002 min Scan# 11
Delta R.T. 0.023 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

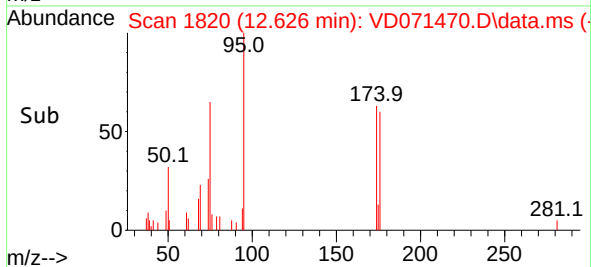
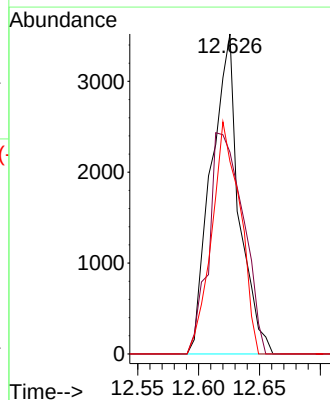
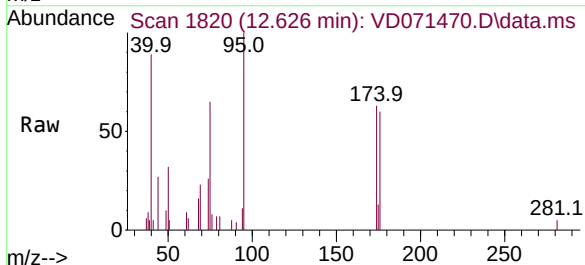
Instrument :
MSVOA_D
ClientSampleId :
DB-17-(15-20)-12-22-21

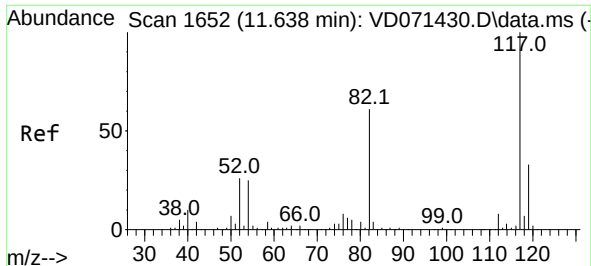
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 45.212 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

Tgt Ion: 95 Resp: 5642
Ion Ratio Lower Upper
95 100
174 85.1 0.0 159.4
176 73.4 0.0 154.0

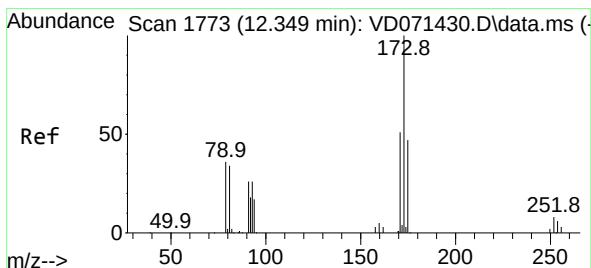
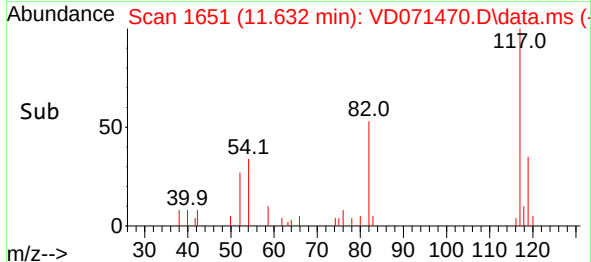
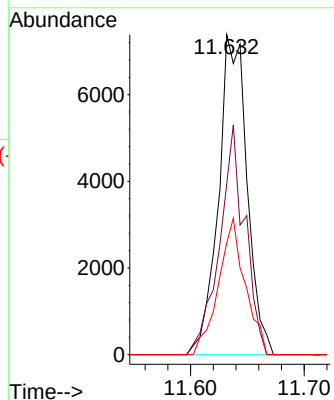
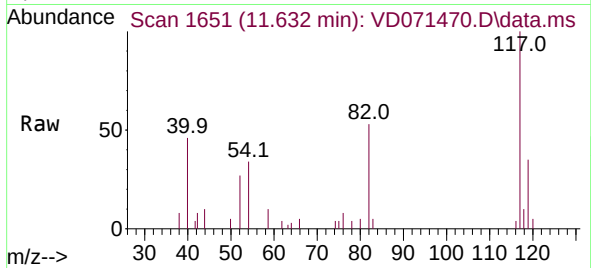




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

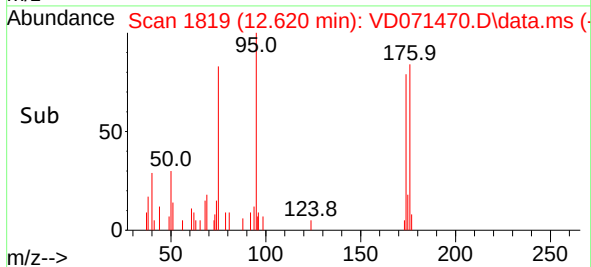
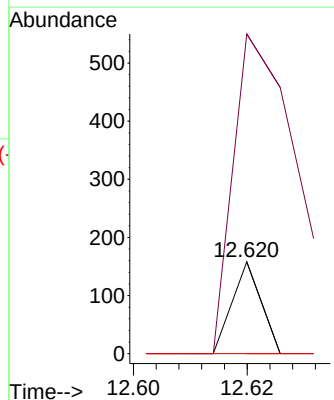
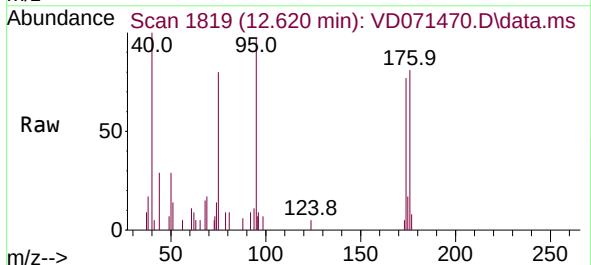
Instrument :
MSVOA_D
ClientSampleId :
DB-17-(15-20)-12-22-21

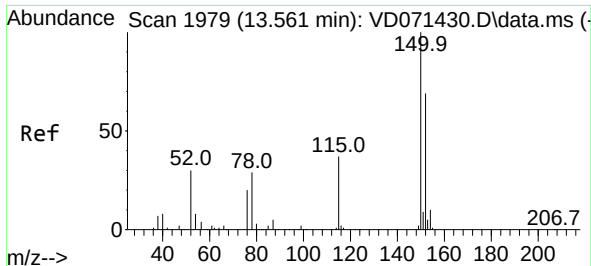
Tgt Ion:	117	Resp:	12910
Ion Ratio	Lower	Upper	
117	100		
82	53.5	44.7	67.1
119	35.0	26.2	39.4



#71
Bromoform
Concen: 1.070 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD071470.D
Acq: 25 Dec 2021 20:56

Tgt Ion:	173	Resp:	56
Ion Ratio	Lower	Upper	
173	100		
175	633.9	24.1	72.2#
254	0.0	0.1	0.1#

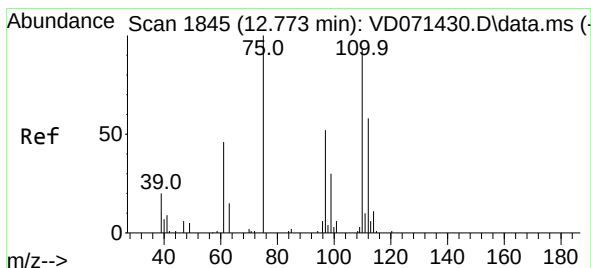
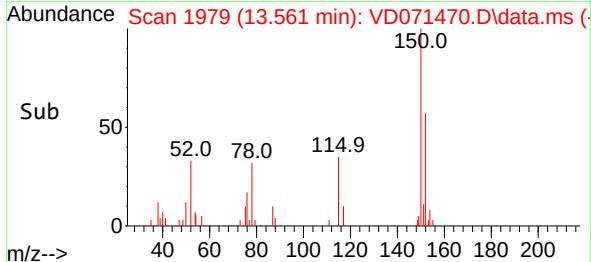
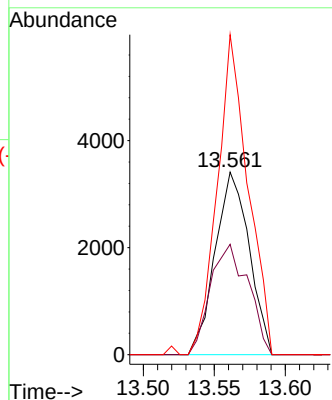
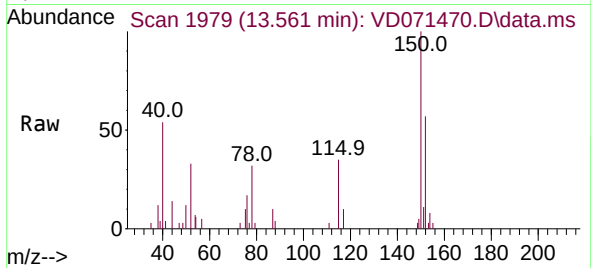




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD071470.D
 Acq: 25 Dec 2021 20:56

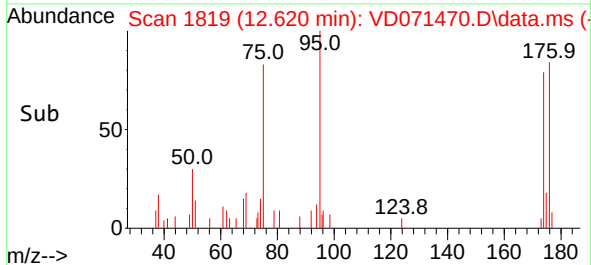
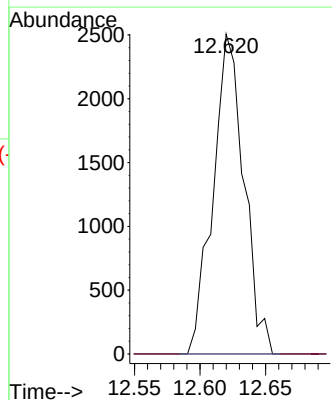
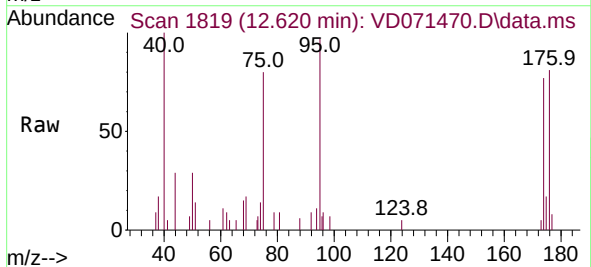
Instrument :
 MSVOA_D
 ClientSampleId :
 DB-17-(15-20)-12-22-21

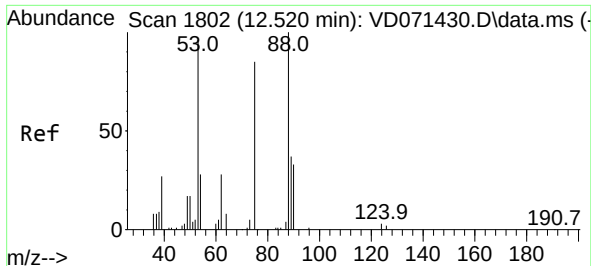
Tgt Ion:152 Resp: 5687
 Ion Ratio Lower Upper
 152 100
 115 67.0 29.8 89.3
 150 158.2 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 60.809 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD071470.D
 Acq: 25 Dec 2021 20:56

Tgt Ion: 75 Resp: 4109
 Ion Ratio Lower Upper
 75 100
 77 0.0 158.4 475.3#

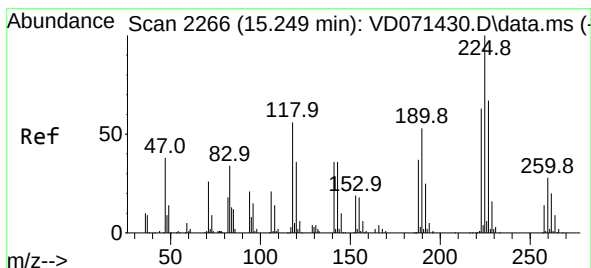
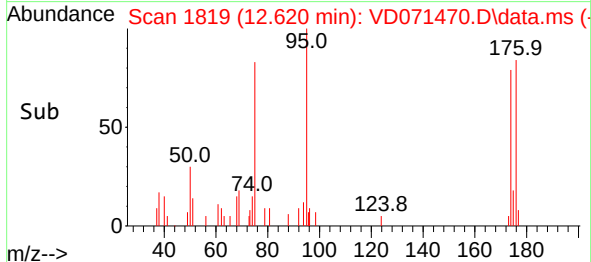
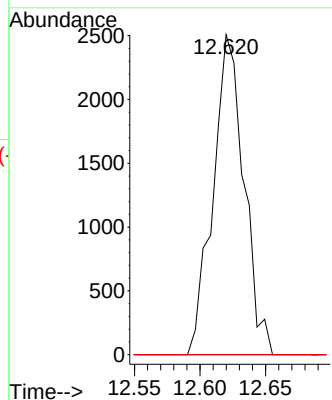
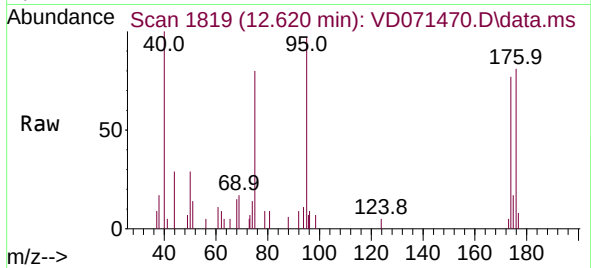




#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.819 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071470.D
 Acq: 25 Dec 2021 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-17-(15-20)-12-22-21

Tgt Ion: 75 Resp: 4109
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#



#94
 Hexachlorobutadiene
 Concen: 1.029 ug/l
 RT: 15.279 min Scan# 2271
 Delta R.T. 0.030 min
 Lab File: VD071470.D
 Acq: 25 Dec 2021 20:56

Tgt Ion: 225 Resp: 56
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.8 95.3#
 227 0.0 31.6 94.8#

