

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010521\
 Data File : VD068002.D
 Acq On : 05 Jan 2021 12:06
 Operator : VA/SY
 Sample : M1005-02
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 00:15:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	33657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	58788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	63502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	25730	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	33285	91.58	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	183.16%#
35) Dibromofluoromethane	7.920	113	24338	65.70	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	131.40%
50) Toluene-d8	10.344	98	76236	54.76	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.52%
62) 4-Bromofluorobenzene	12.638	95	24148	50.70	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.40%

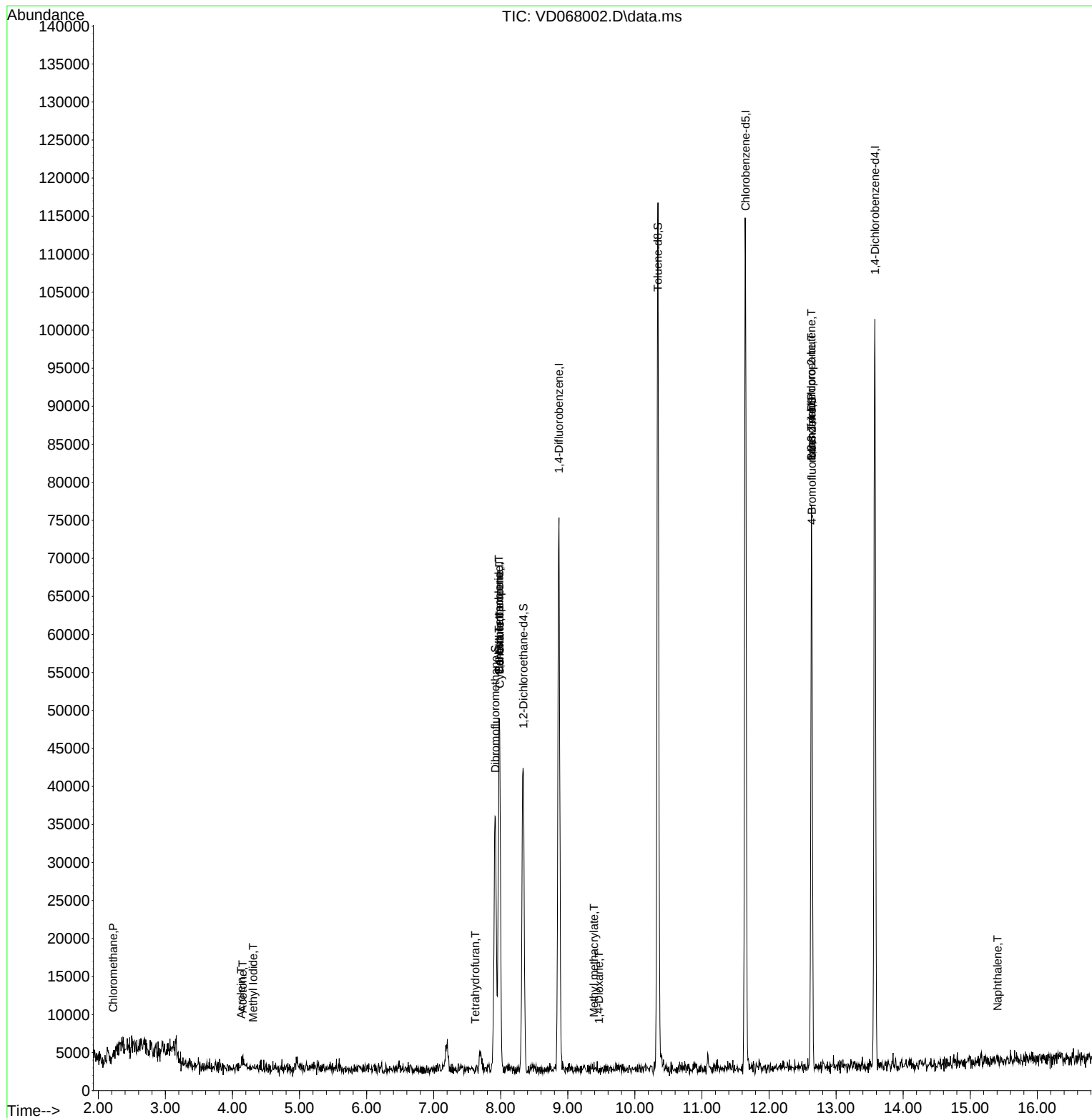
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.221	50	519	1.11	ug/l #	42
5) Bromomethane	2.779	94	196	Below Cal	#	70
10) Methyl Iodide	4.309	142	84	4.05	ug/l #	41
13) Acrolein	4.132	56	66	2.55	ug/l #	13
16) Acetone	4.150	43	557	8.03	ug/l #	53
20) Methylene Chloride	4.973	84	1115	Below Cal	#	75
29) Tetrahydrofuran	7.620	42	87	1.26	ug/l #	36
31) Cyclohexane	7.985	56	1024	1.38	ug/l #	28
36) 1,1-Dichloropropene	7.979	75	2891	4.63	ug/l #	45
38) Carbon Tetrachloride	7.973	117	3639	6.10	ug/l #	12
48) Methyl methacrylate	9.391	41	251	1.05	ug/l #	17
49) 1,4-Dioxane	9.467	88	121	49.41	ug/l #	24
71) Bromoform	12.632	173	289	1.17	ug/l #	28
76) 1,2,3-Trichloropropane	12.632	75	11829	54.60	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	11829	111.93	ug/l #	13
95) Naphthalene	15.408	128	808	1.05	ug/l #	68

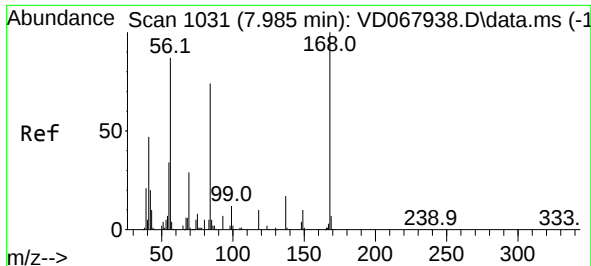
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

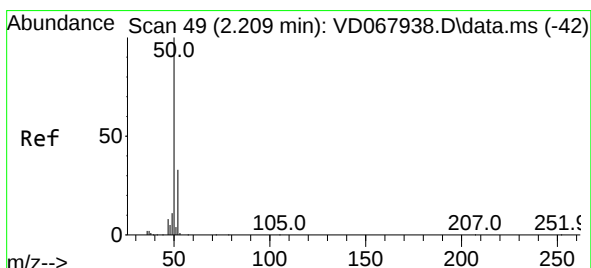
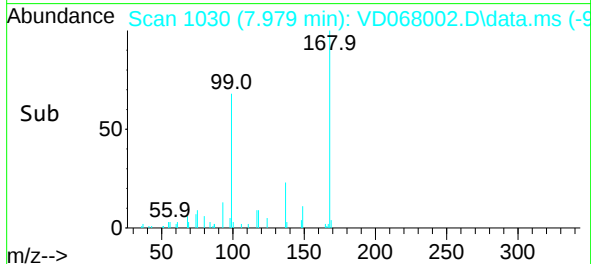
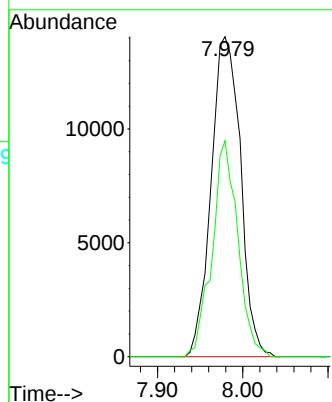
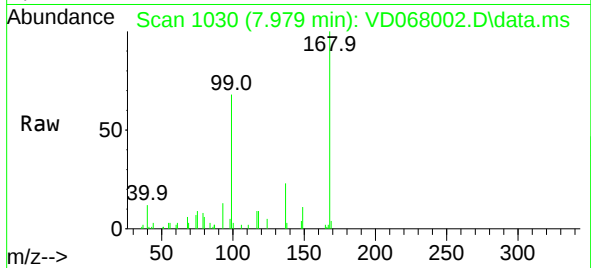




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

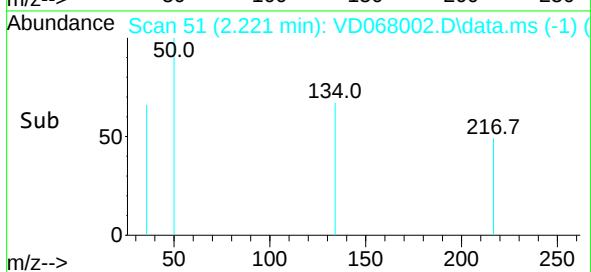
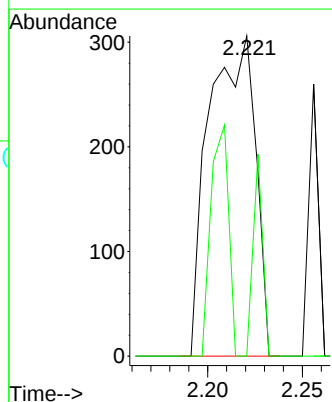
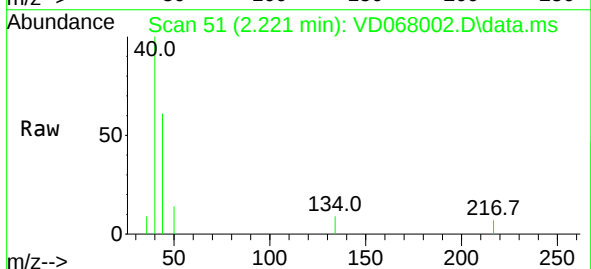
Instrument :
MSVOA_D
ClientSampled :

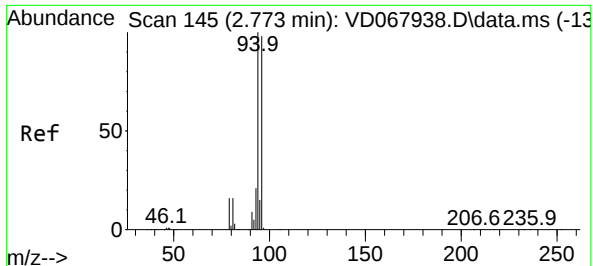
Tgt Ion:168 Resp: 33657
Ion Ratio Lower Upper
168 100
99 67.5 48.0 72.0



#3
Chloromethane
Concen: 1.11 ug/l
RT: 2.221 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

Tgt Ion: 50 Resp: 519
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

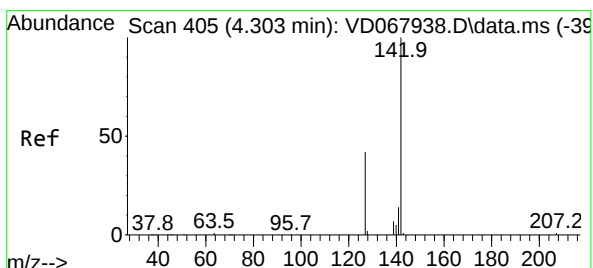
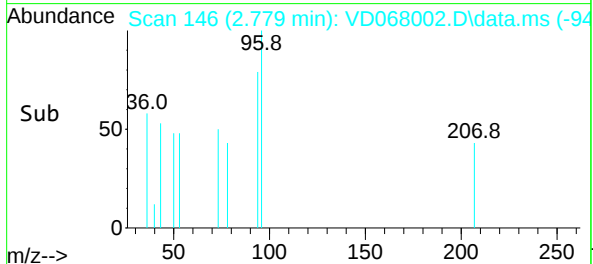
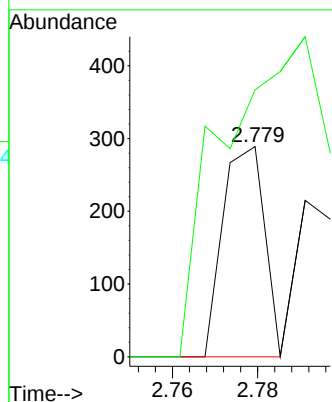
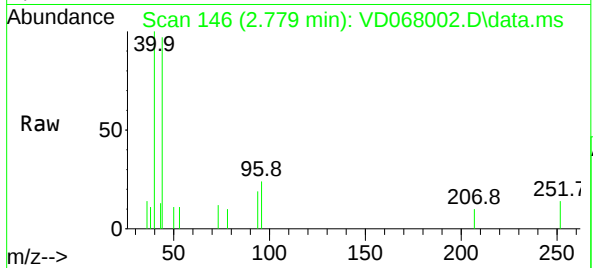




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.006 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

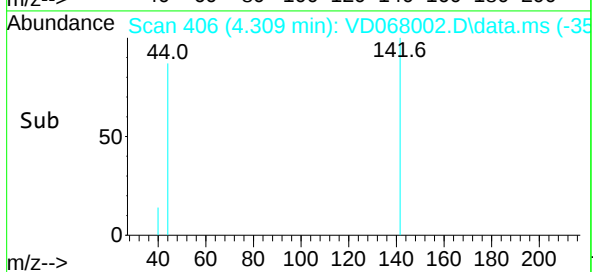
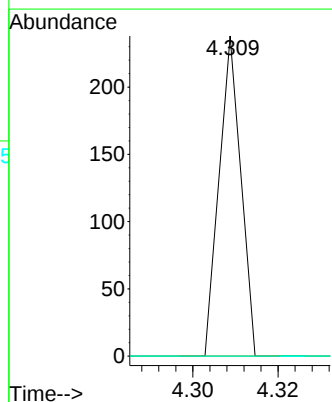
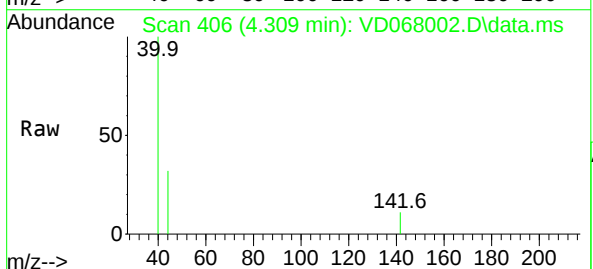
Instrument :
MSVOA_D
ClientSampled :

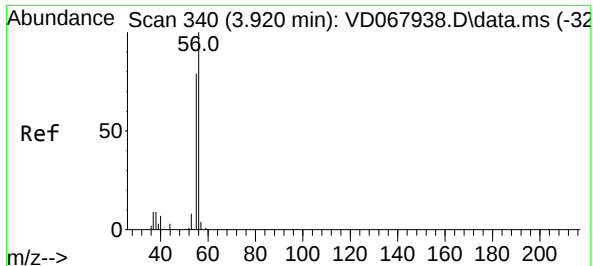
Tgt Ion: 94 Resp: 196
Ion Ratio Lower Upper
94 100
96 127.0 78.0 117.0#



#10
Methyl Iodide
Concen: 4.05 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

Tgt Ion: 142 Resp: 84
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.8 17.8#

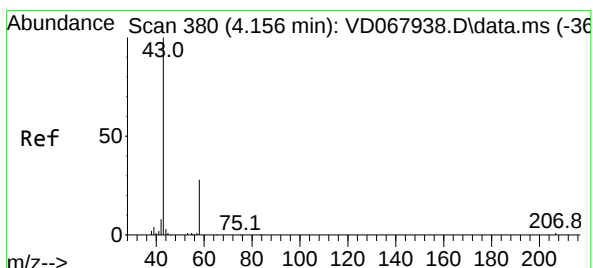
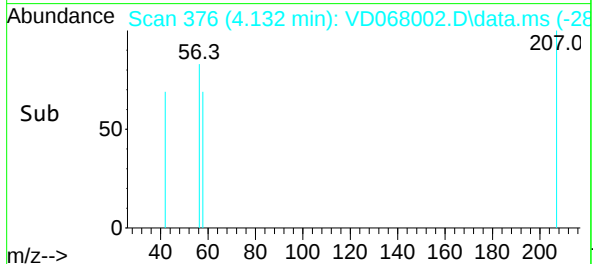
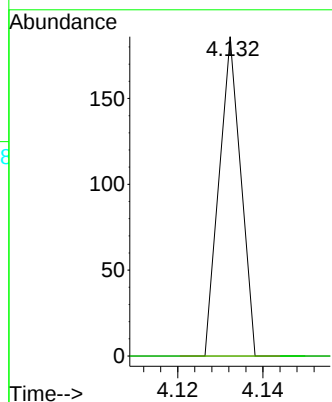
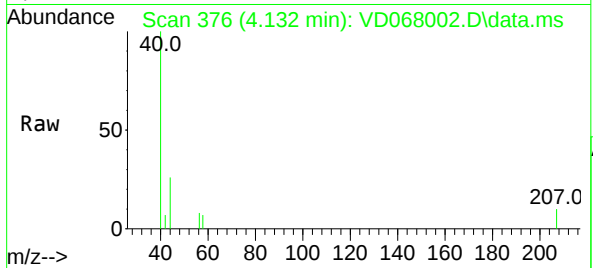




#13
Acrolein
Concen: 2.55 ug/l
RT: 4.132 min Scan# 376
Delta R.T. 0.212 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

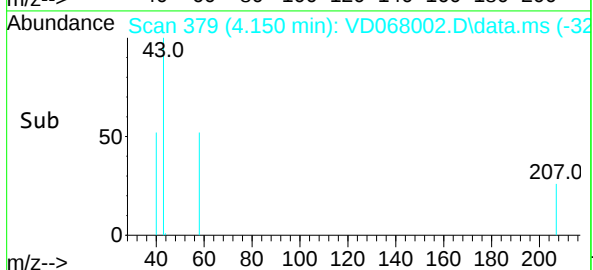
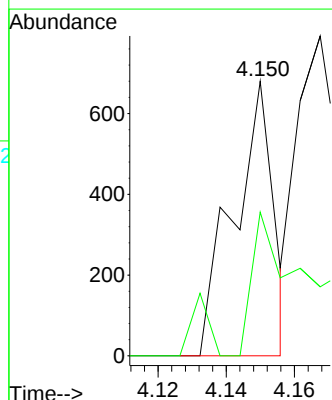
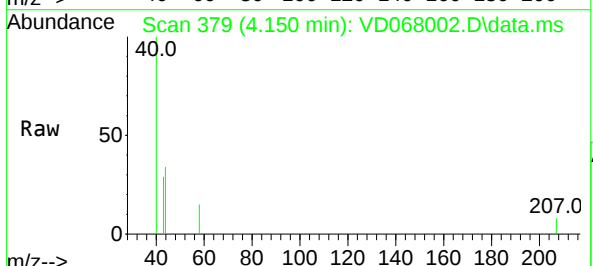
Instrument :
MSVOA_D
ClientSampled :

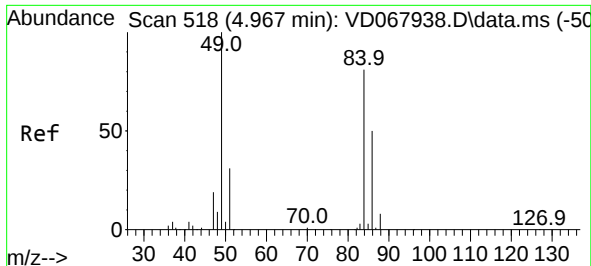
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#



#16
Acetone
Concen: 8.03 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

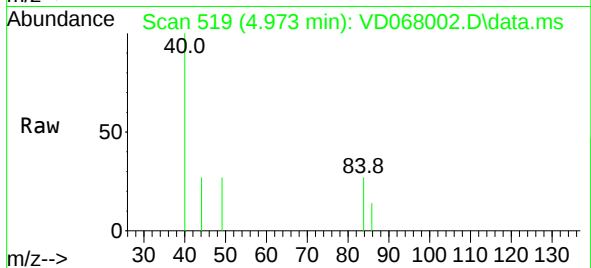
Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
58 52.4 22.3 33.5#



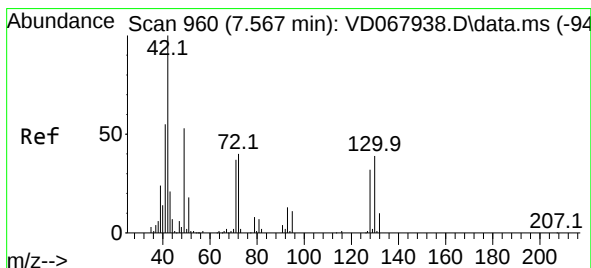
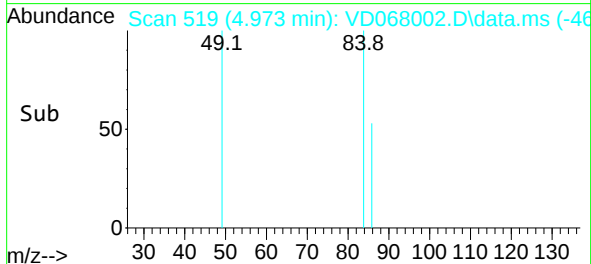
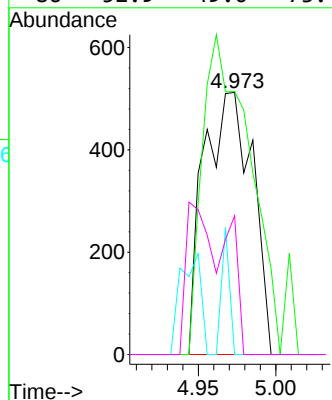


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

Instrument :
MSVOA_D
ClientSampleId :

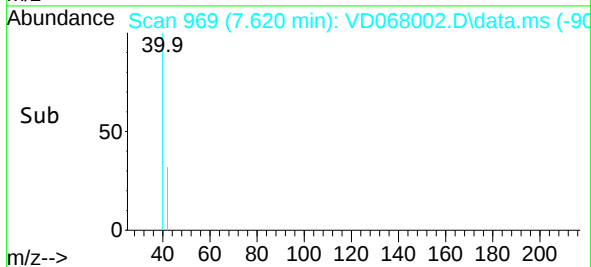
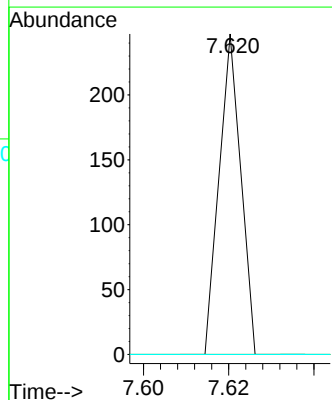
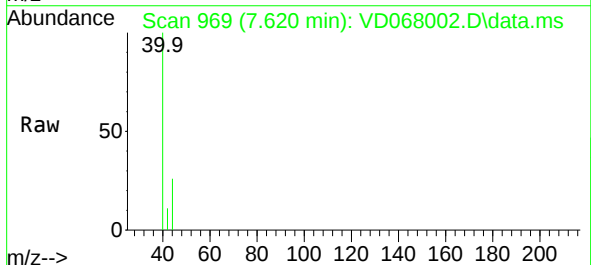


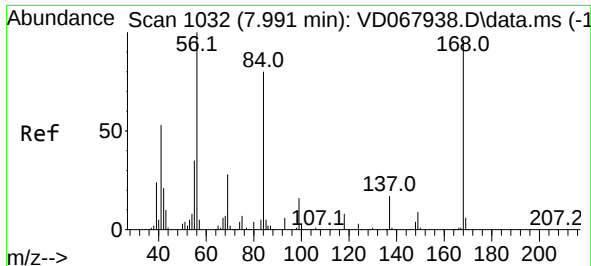
Tgt Ion:	84	Resp:	1115
Ion	Ratio	Lower	Upper
84	100		
49	100.4	98.3	147.5
51	0.0	30.3	45.5#
86	52.9	49.0	73.4



#29
Tetrahydrofuran
Concen: 1.26 ug/l
RT: 7.620 min Scan# 969
Delta R.T. 0.053 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

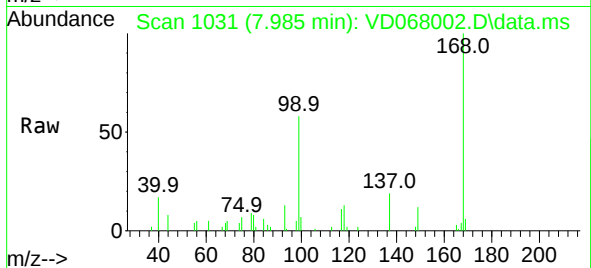
Tgt Ion:	42	Resp:	87
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.9	49.3#
71	0.0	29.9	44.9#



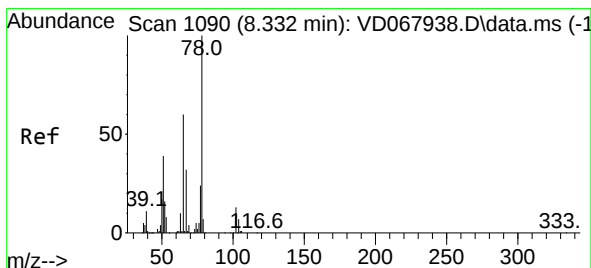
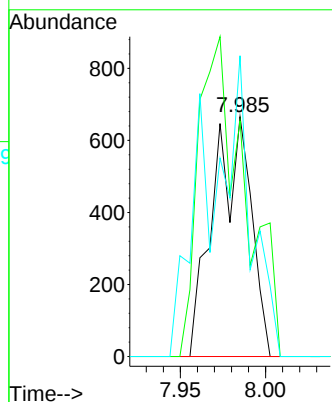
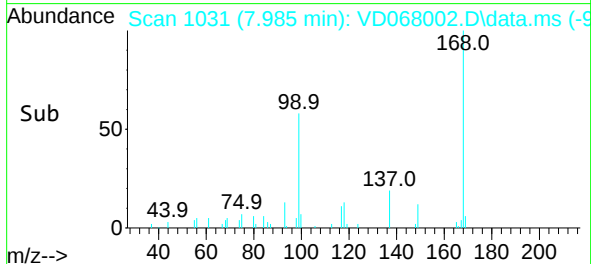


#31
Cyclohexane
Concen: 1.38 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

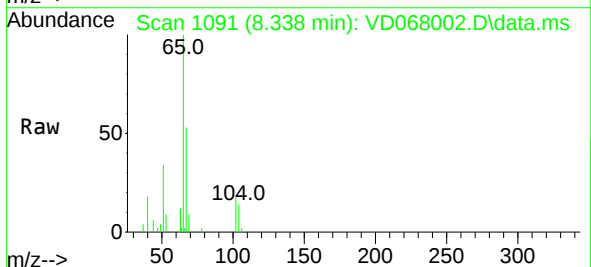
Instrument :
MSVOA_D
ClientSampled :



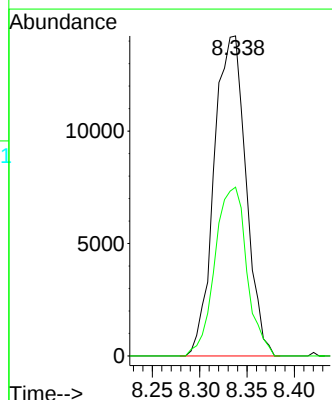
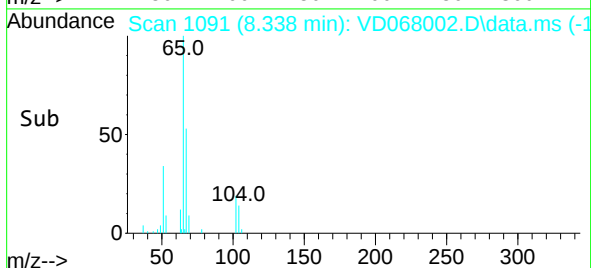
Tgt Ion: 56 Resp: 1024
Ion Ratio Lower Upper
56 100
69 98.2 22.7 34.1#
84 125.4 64.2 96.4#

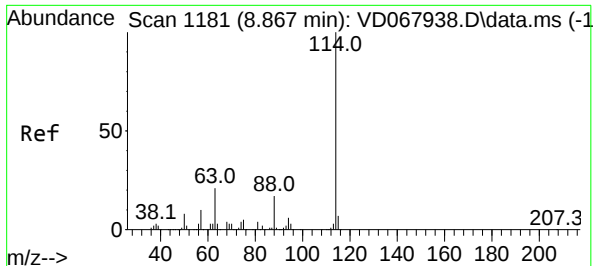


#33
1,2-Dichloroethane-d4
Concen: 91.58 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06



Tgt Ion: 65 Resp: 33285
Ion Ratio Lower Upper
65 100
67 52.8 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

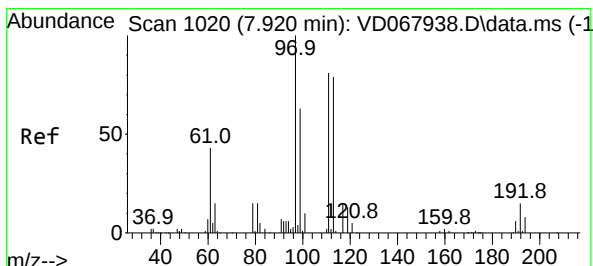
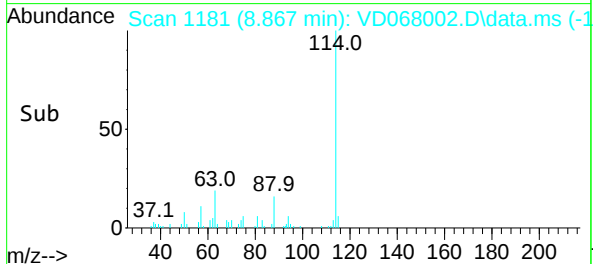
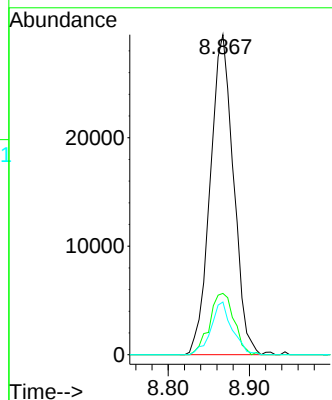
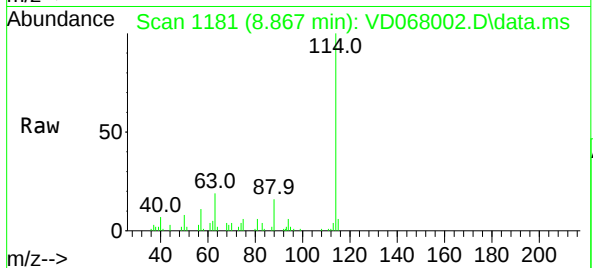
Delta R.T. 0.000 min

Lab File: VD068002.D

Acq: 05 Jan 2021 12:06

Tgt Ion:	114	Resp:	58788
Ion Ratio	Lower	Upper	
114	100		
63	19.2	0.0	41.4
88	16.4	0.0	33.2

Instrument :
MSVOA_D
ClientSampled :



#35

Dibromofluoromethane

Concen: 65.70 ug/l

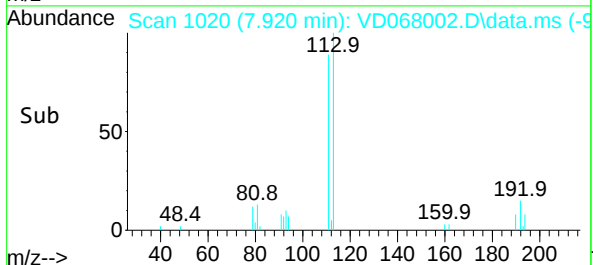
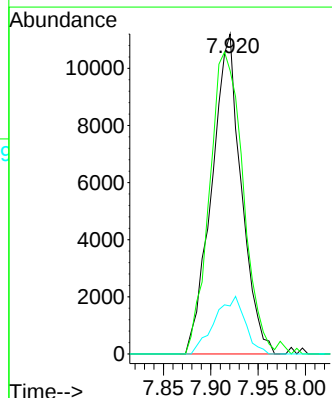
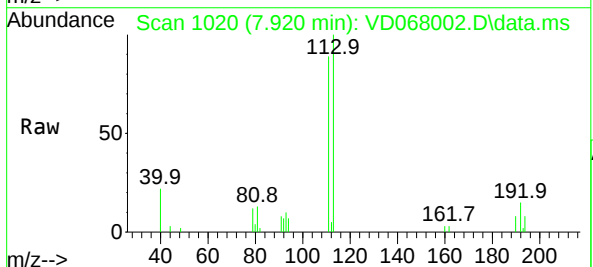
RT: 7.920 min Scan# 1020

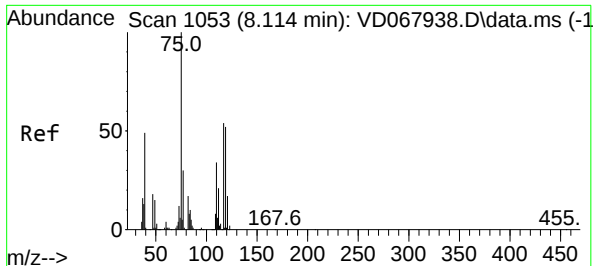
Delta R.T. 0.000 min

Lab File: VD068002.D

Acq: 05 Jan 2021 12:06

Tgt Ion:	113	Resp:	24338
Ion Ratio	Lower	Upper	
113	100		
111	106.6	79.3	118.9
192	18.6	14.5	21.7

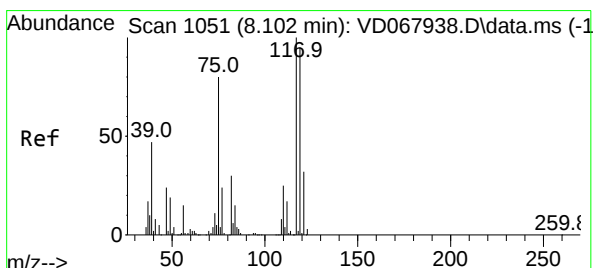
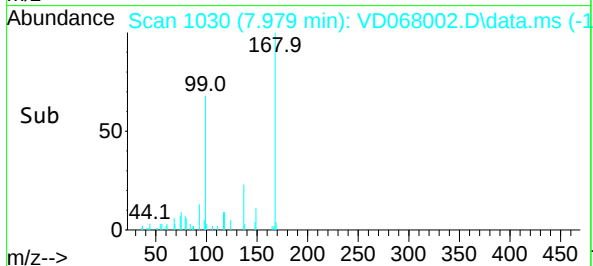
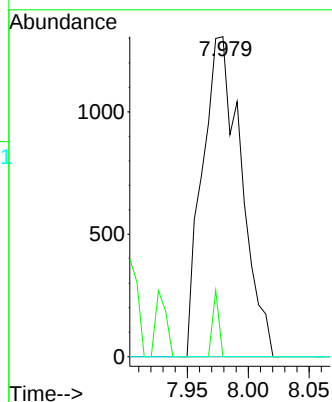
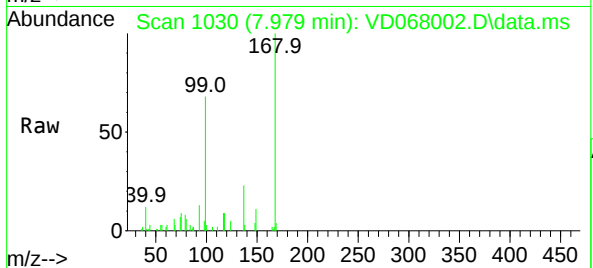




#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

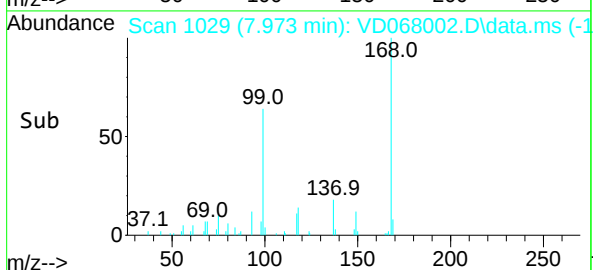
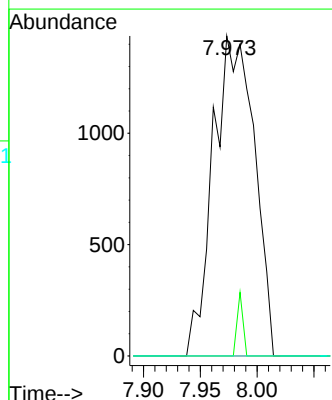
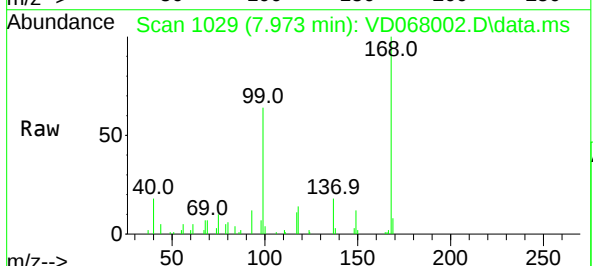
Instrument :
MSVOA_D
ClientSampled :

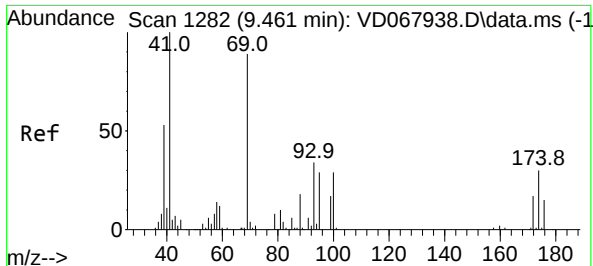
Tgt Ion: 75 Resp: 2891
Ion Ratio Lower Upper
75 100
110 3.3 17.0 51.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.10 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

Tgt Ion: 117 Resp: 3639
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 1.05 ug/l

RT: 9.391 min Scan# 1270

Delta R.T. -0.070 min

Lab File: VD068002.D

Acq: 05 Jan 2021 12:06

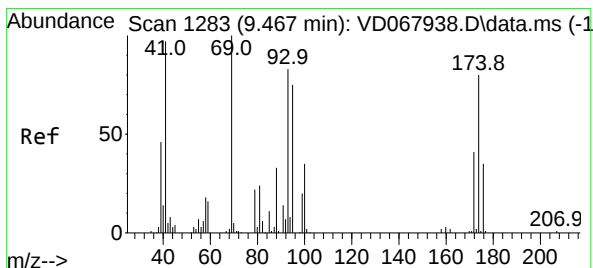
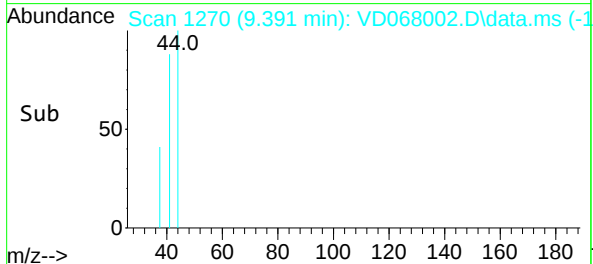
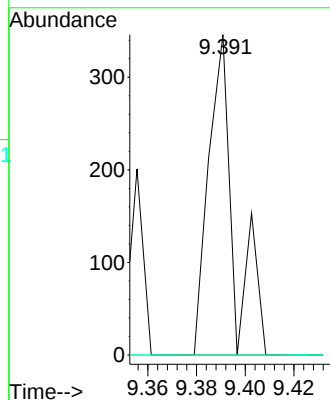
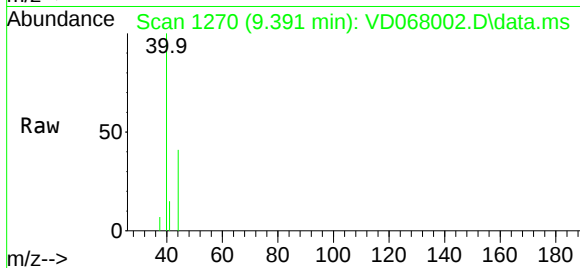
Tgt Ion: 41 Resp: 251

Ion Ratio Lower Upper

41 100

69 0.0 63.9 95.9#

39 0.0 37.4 56.0#



#49

1,4-Dioxane

Concen: 49.41 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.000 min

Lab File: VD068002.D

Acq: 05 Jan 2021 12:06

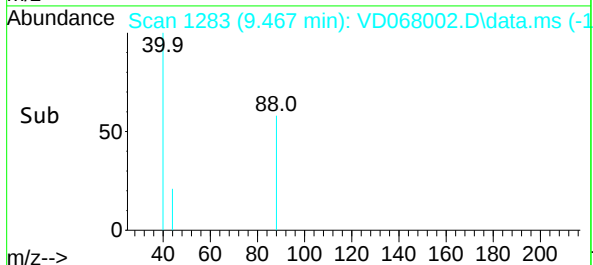
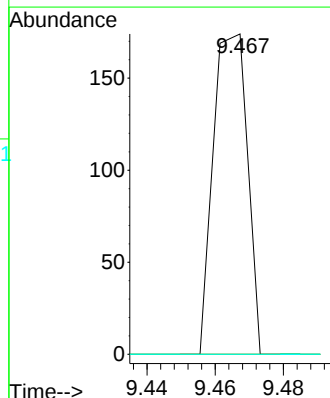
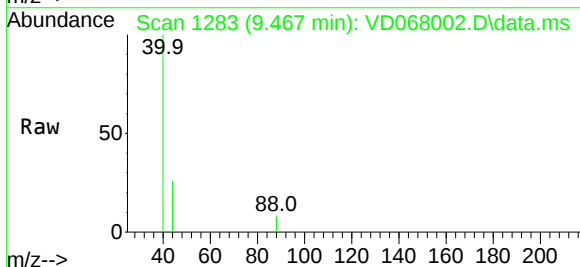
Tgt Ion: 88 Resp: 121

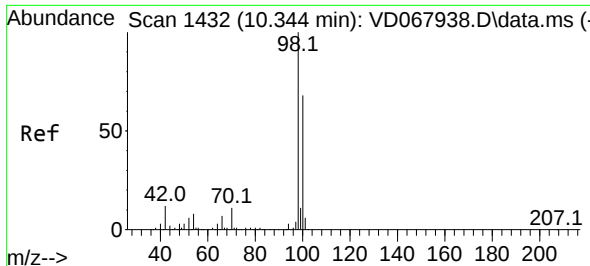
Ion Ratio Lower Upper

88 100

43 0.0 27.3 40.9#

58 0.0 54.8 82.2#

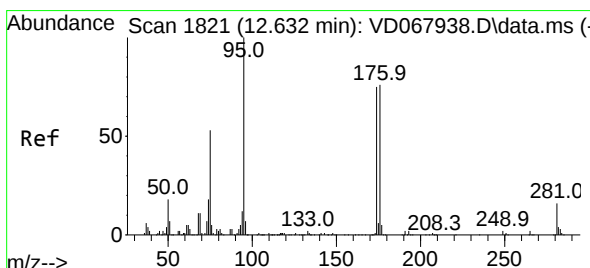
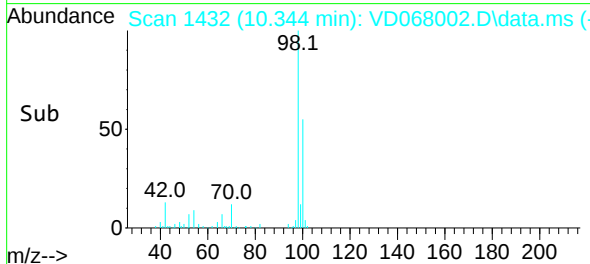
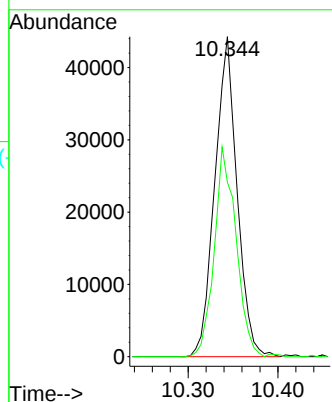
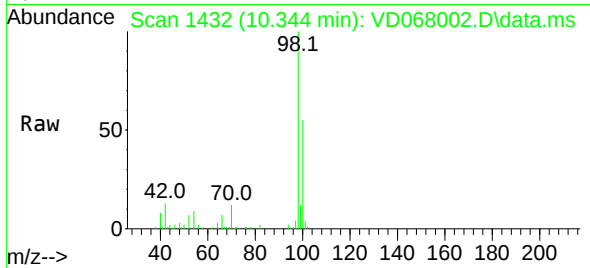




#50
Toluene-d8
Concen: 54.76 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

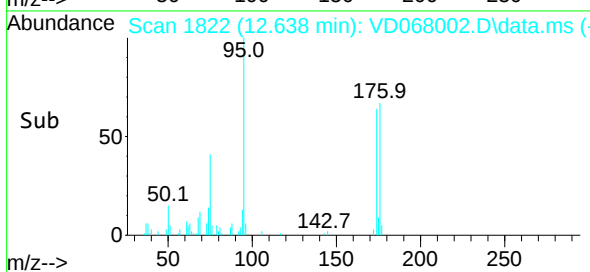
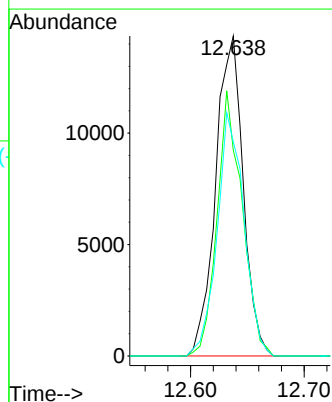
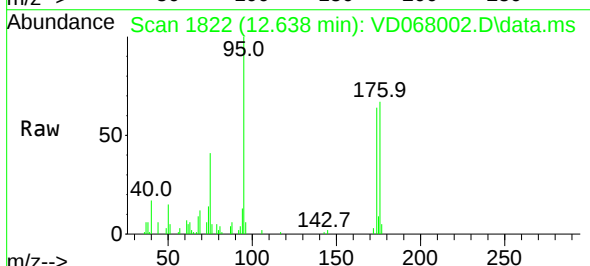
Instrument :
MSVOA_D
ClientSampled :

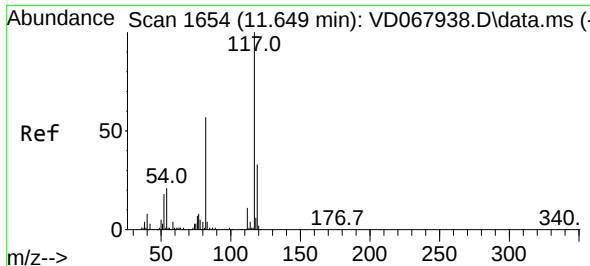
Tgt Ion: 98 Resp: 76236
Ion Ratio Lower Upper
98 100
100 64.0 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 50.70 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

Tgt Ion: 95 Resp: 24148
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.6
176 74.0 0.0 151.2

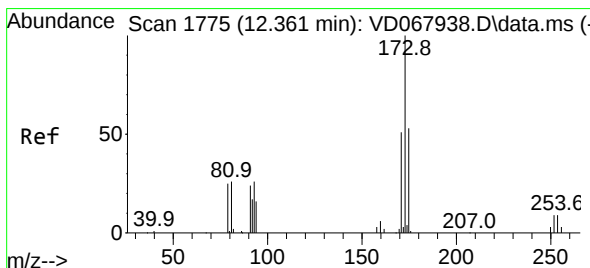
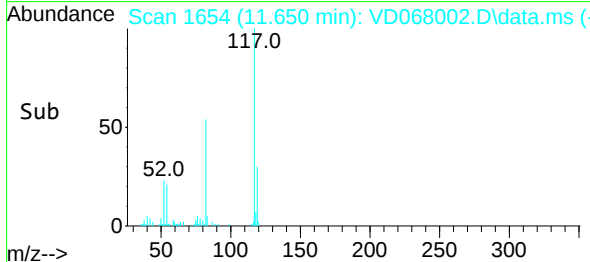
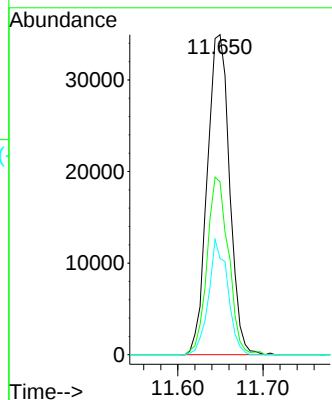
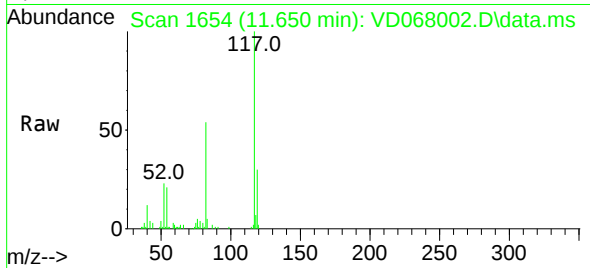




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.650 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

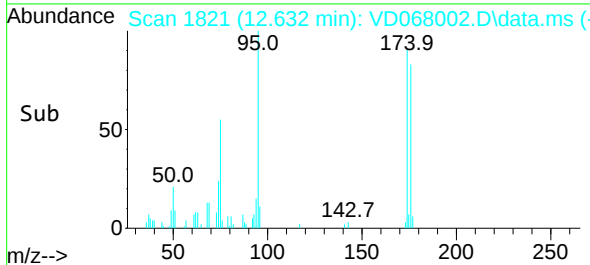
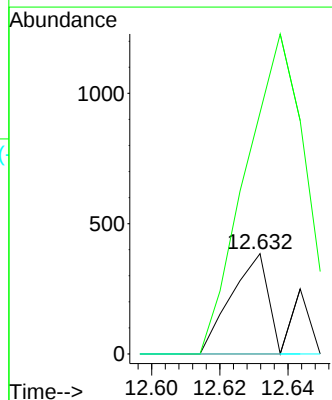
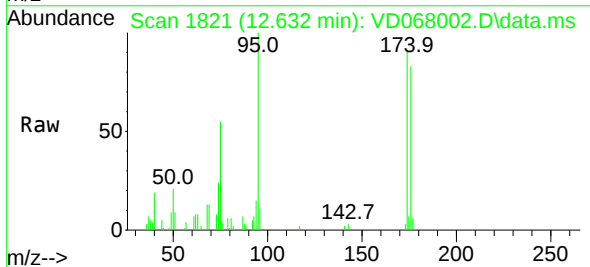
Instrument :
MSVOA_D
ClientSampleId :

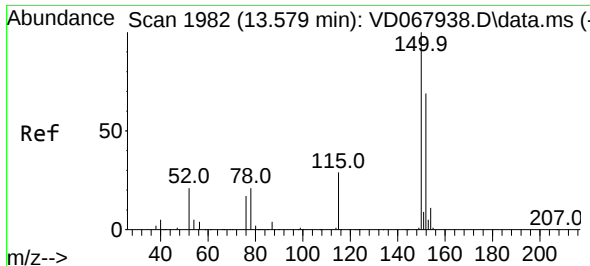
Tgt Ion:117 Resp: 63502
Ion Ratio Lower Upper
117 100
82 54.0 45.4 68.0
119 30.1 26.7 40.1



#71
Bromoform
Concen: 1.17 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.271 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

Tgt Ion:173 Resp: 289
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0

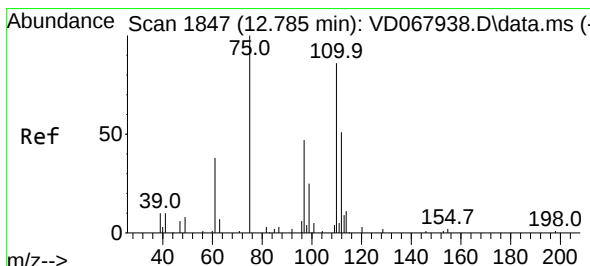
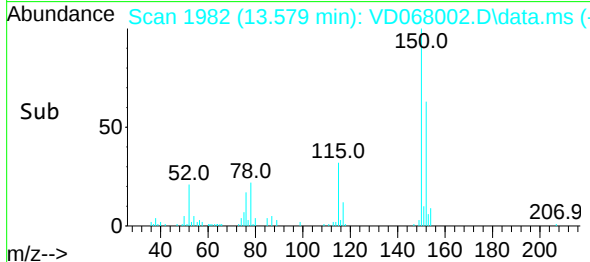
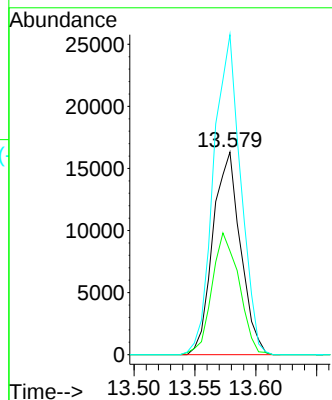
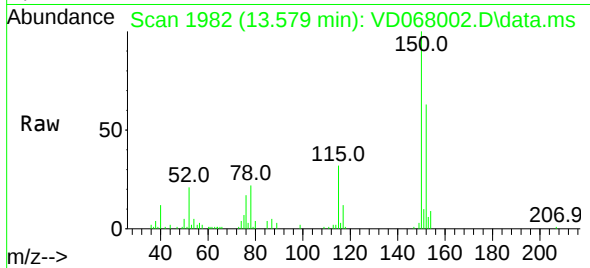




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

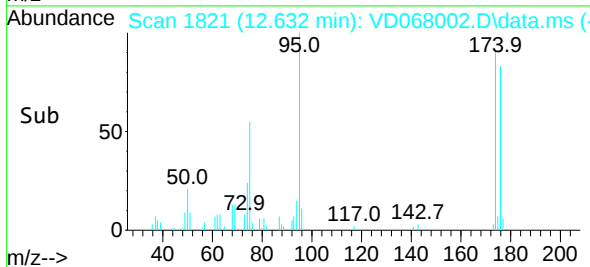
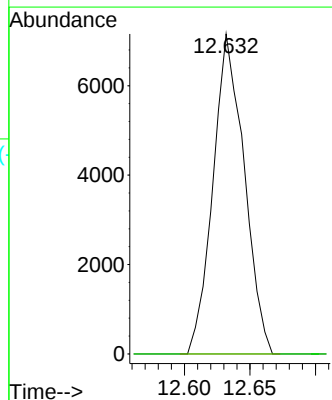
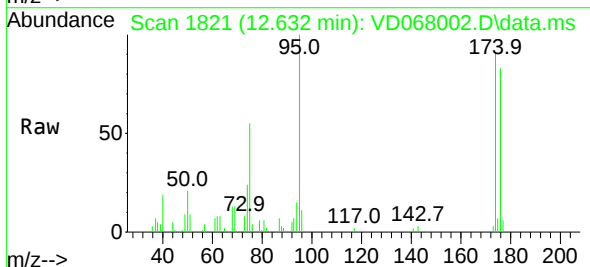
Instrument :
MSVOA_D
ClientSampleId :

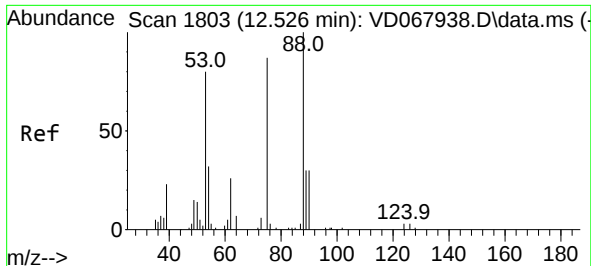
Tgt Ion:152 Resp: 25730
Ion Ratio Lower Upper
152 100
115 59.4 29.3 88.0
150 155.2 0.0 340.0



#76
1,2,3-Trichloropropane
Concen: 54.60 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

Tgt Ion: 75 Resp: 11829
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

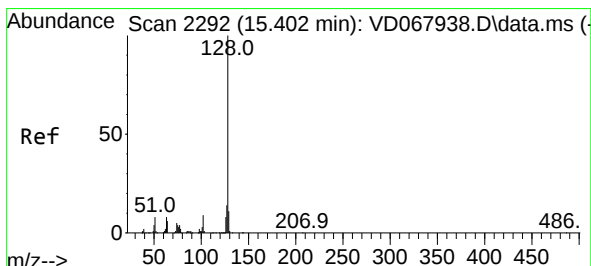
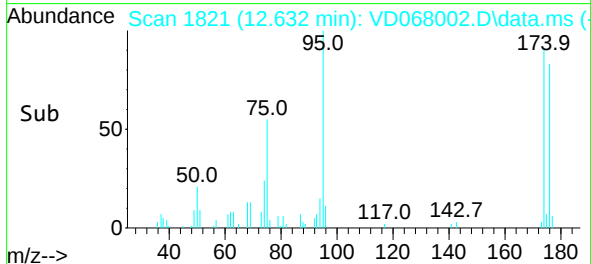
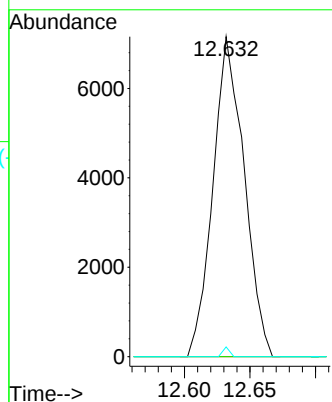
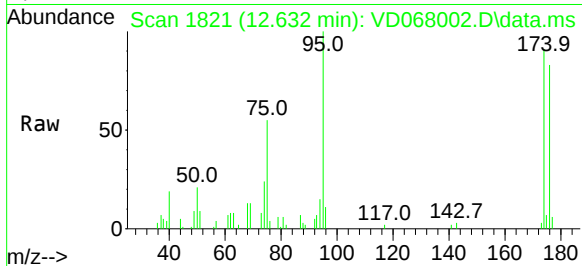




#81
trans-1,4-Dichloro-2-butene
Concen: 111.93 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 11829
Ion Ratio Lower Upper
75 100
53 0.0 74.9 112.3#
89 0.7 33.8 50.8#



#95
Naphthalene
Concen: 1.05 ug/l
RT: 15.408 min Scan# 2293
Delta R.T. 0.006 min
Lab File: VD068002.D
Acq: 05 Jan 2021 12:06

Tgt Ion:128 Resp: 808
Ion Ratio Lower Upper
128 100
127 0.0 11.2 16.8#
129 0.0 8.6 12.8#

