

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010721\
 Data File : VD068031.D
 Acq On : 07 Jan 2021 13:51
 Operator : VA/SY
 Sample : M1023-01RE
 Misc : 7.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-010621

Quant Time: Jan 08 00:14:49 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	7.985	168	279156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	541972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	521866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	195973	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	184255	61.12	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.24%
35) Dibromofluoromethane	7.920	113	181210	53.06	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.12%
50) Toluene-d8	10.344	98	687874	53.59	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.18%
62) 4-Bromofluorobenzene	12.632	95	223685	50.95	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.90%

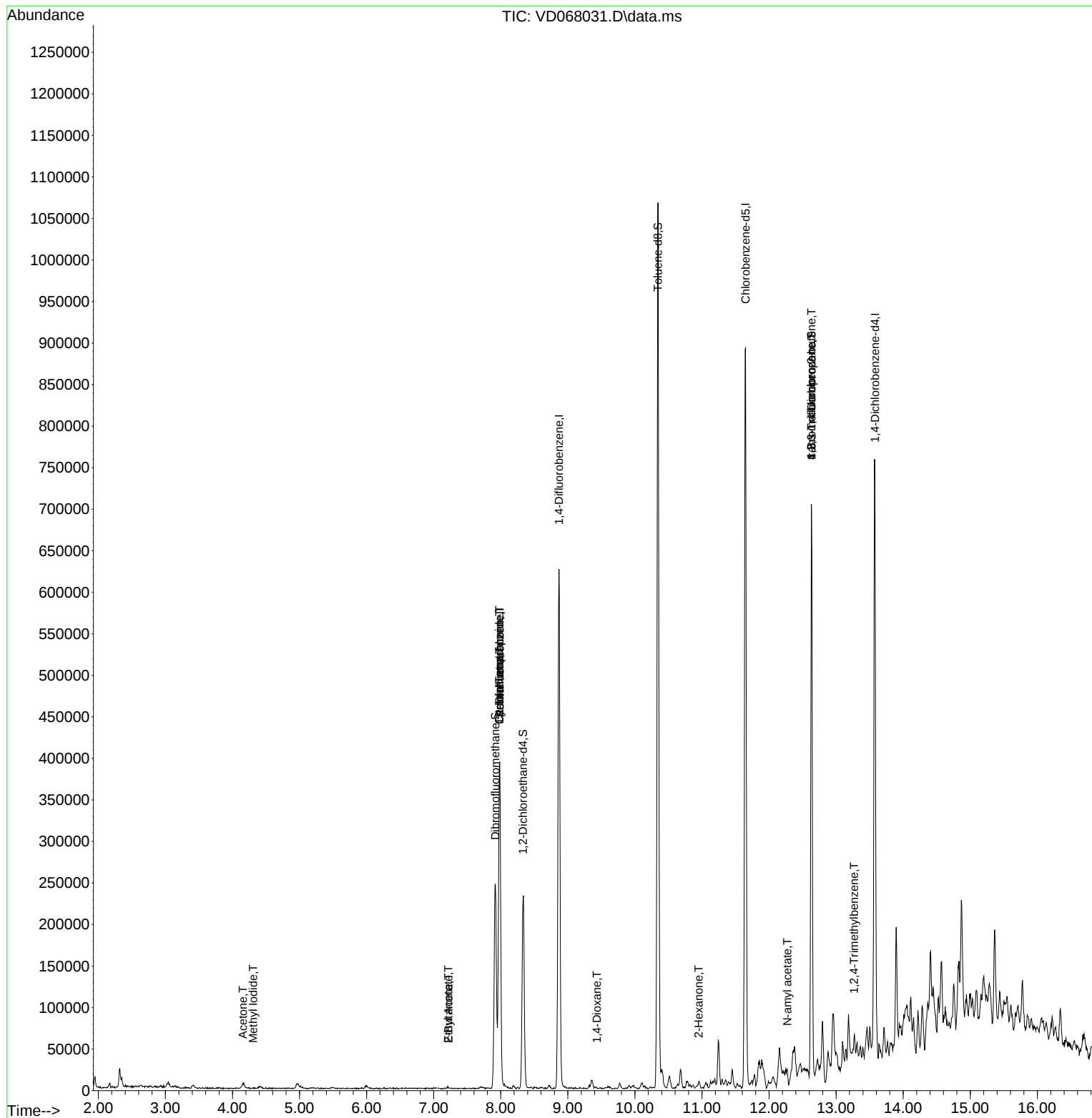
Target Compounds					Qvalue
5) Bromomethane	2.785	94	403	Below Cal	# 42
10) Methyl Iodide	4.309	142	309	3.94 ug/l	# 90
11) Tert butyl alcohol	5.214	59	861	Below Cal	# 74
16) Acetone	4.156	43	5235	9.10 ug/l	# 83
20) Methylene Chloride	4.961	84	3918	Below Cal	# 81
25) 2-Butanone	7.220	43	2469	2.91 ug/l	# 49
31) Cyclohexane	7.979	56	8260	1.34 ug/l	# 1
36) 1,1-Dichloropropene	7.979	75	25482	4.42 ug/l	# 50
37) Ethyl Acetate	7.220	43	2469	1.06 ug/l	# 70
38) Carbon Tetrachloride	7.979	117	30600	5.56 ug/l	# 16
49) 1,4-Dioxane	9.432	88	60	2.66 ug/l	# 24
59) 2-Hexanone	10.949	43	4146	2.85 ug/l	# 29
74) N-amyl acetate	12.273	43	5946	1.80 ug/l	# 42
76) 1,2,3-Trichloropropane	12.632	75	116062	70.34 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	116062	144.19 ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.267	105	16238	1.34 ug/l	97

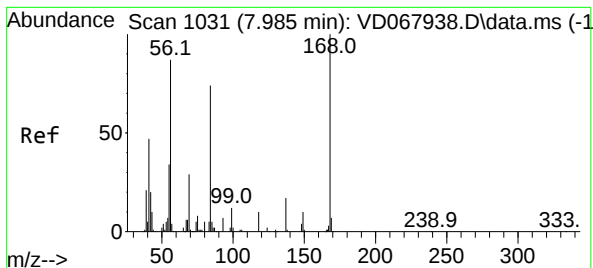
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

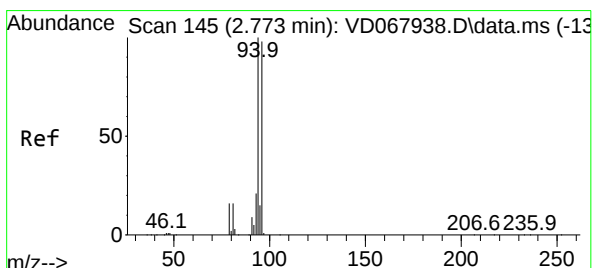
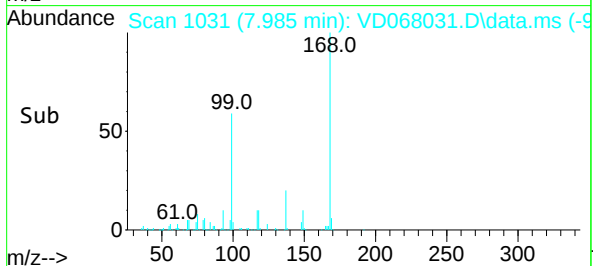
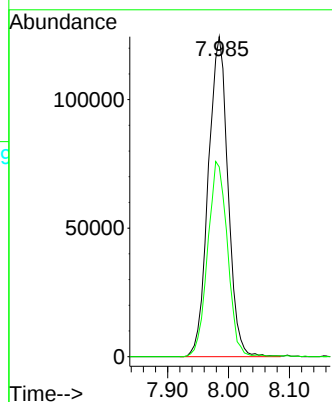
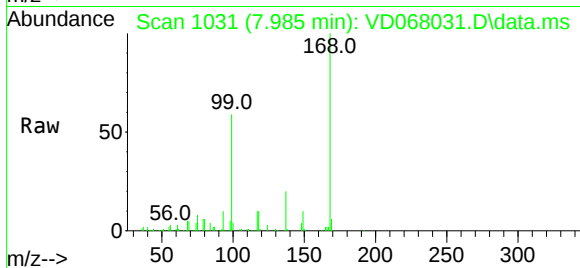




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

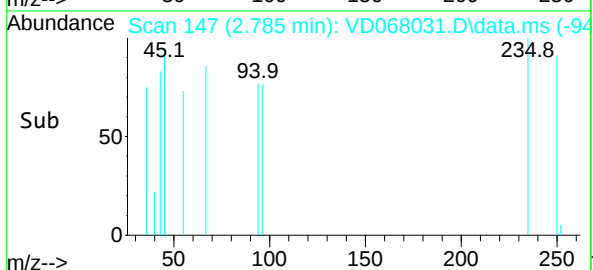
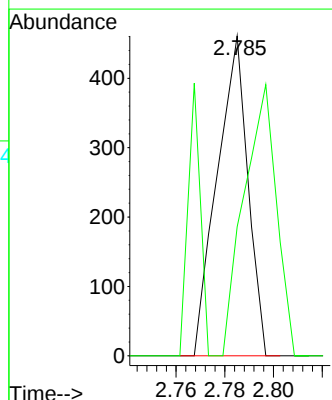
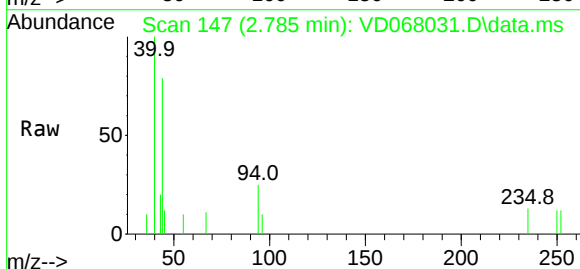
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

Tgt Ion:168 Resp: 279156
Ion Ratio Lower Upper
168 100
99 59.3 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.012 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

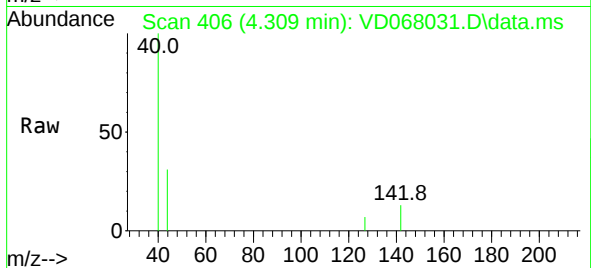
Tgt Ion: 94 Resp: 403
Ion Ratio Lower Upper
94 100
96 40.3 78.0 117.0#



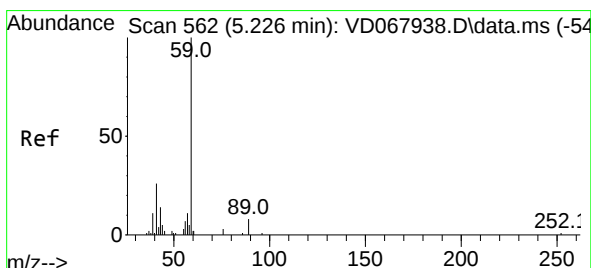
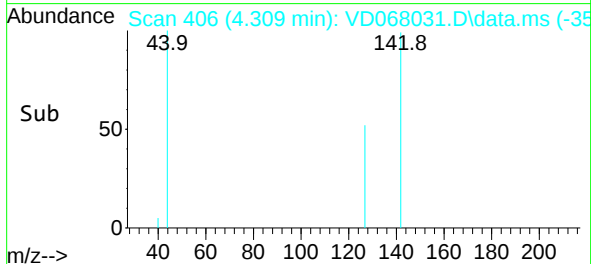
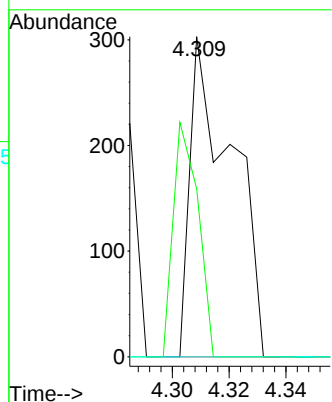


#10
Methyl Iodide
Concen: 3.94 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

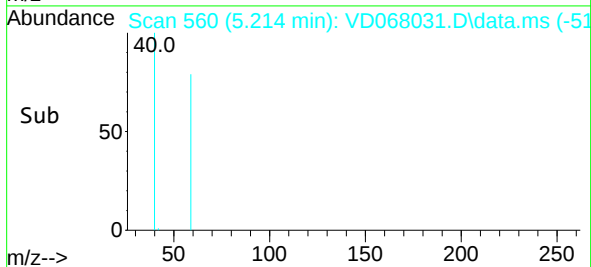
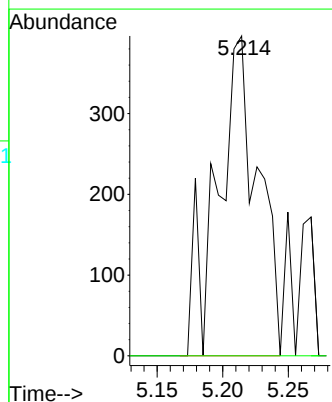
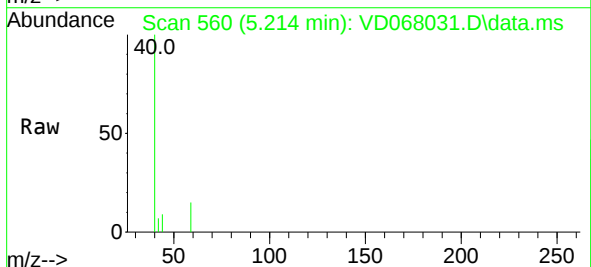


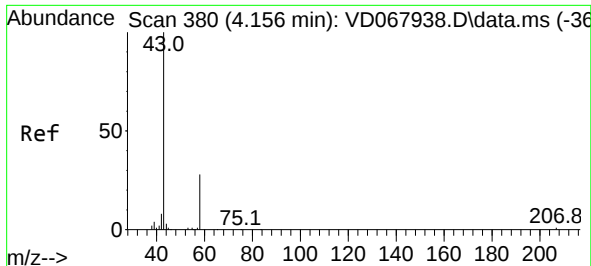
Tgt Ion:142 Resp: 309
Ion Ratio Lower Upper
142 100
127 43.4 34.4 51.6
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

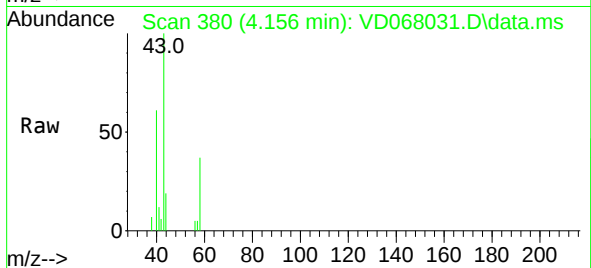
Tgt Ion: 59 Resp: 861
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



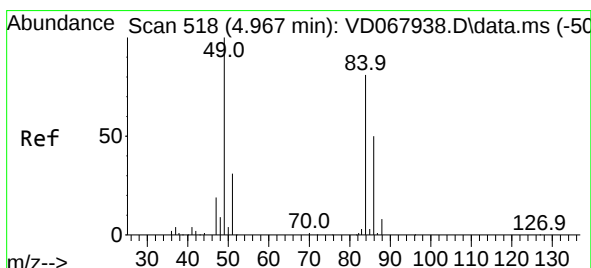
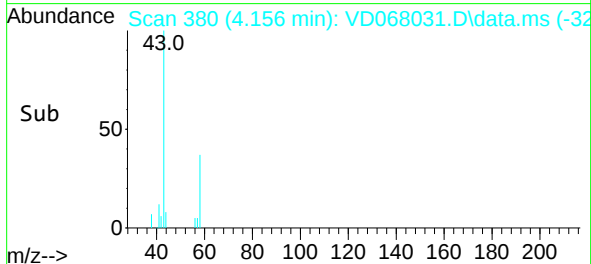
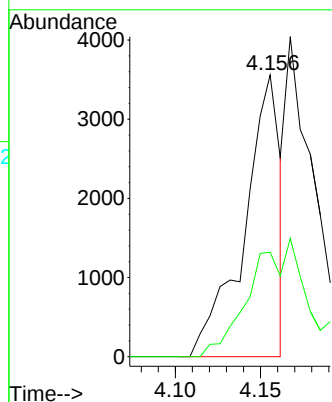


#16
Acetone
Concen: 9.10 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

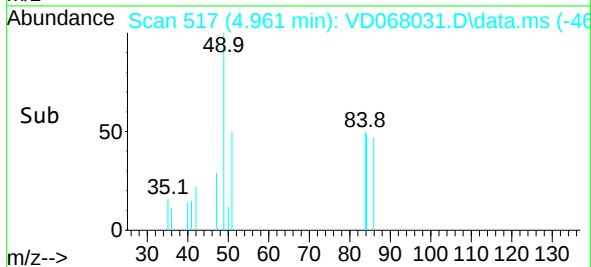
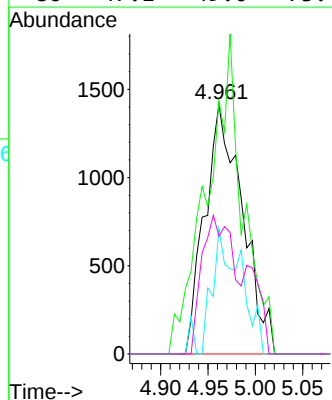
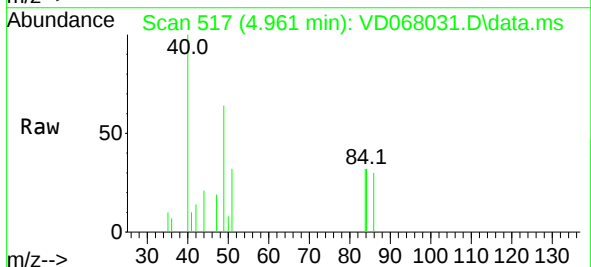


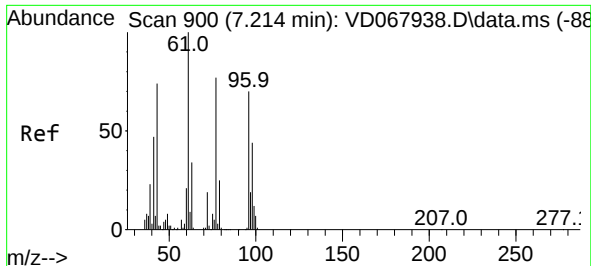
Tgt Ion: 43 Resp: 5235
Ion Ratio Lower Upper
43 100
58 37.1 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

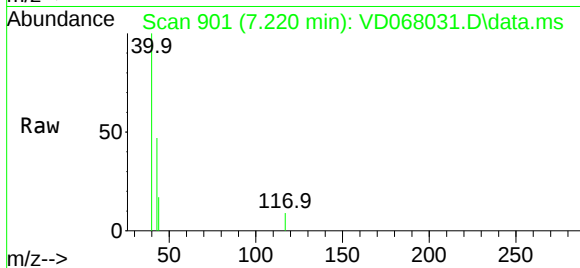
Tgt Ion: 84 Resp: 3918
Ion Ratio Lower Upper
84 100
49 101.1 98.3 147.5
51 50.2 30.3 45.5#
86 47.1 49.0 73.4#



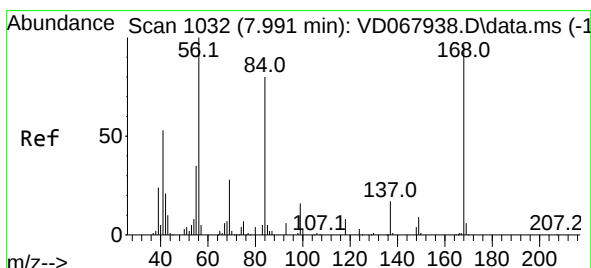
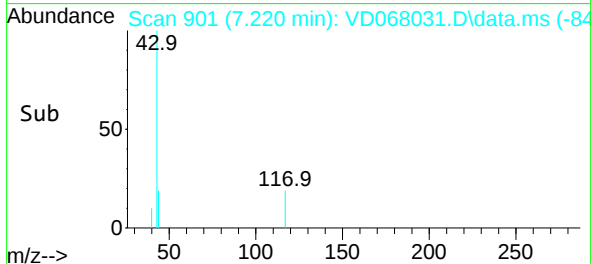
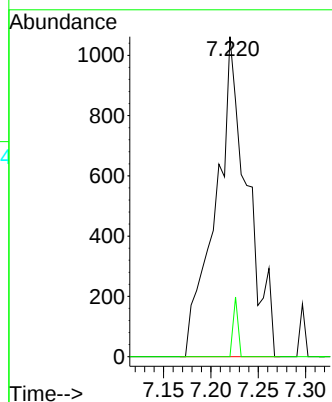


#25
2-Butanone
Concen: 2.91 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

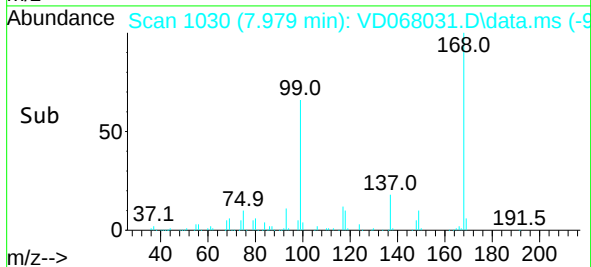
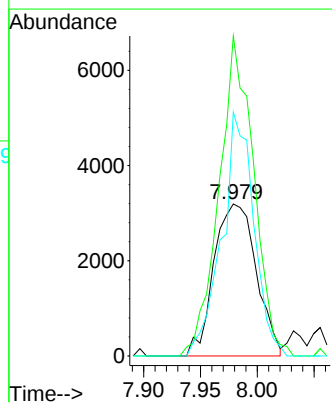
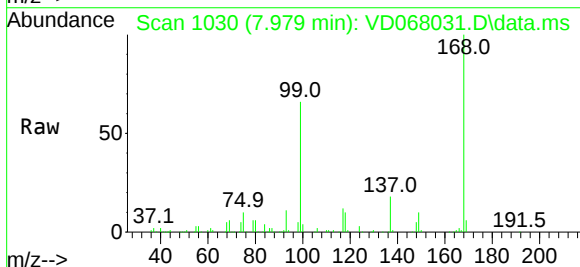


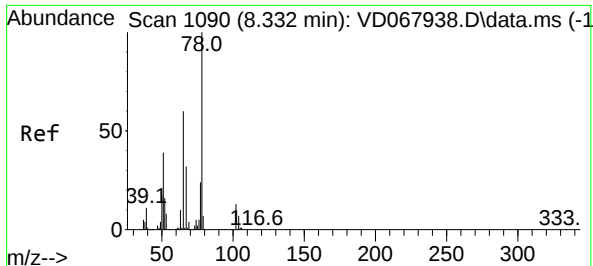
Tgt Ion: 43 Resp: 2469
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 1.34 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

Tgt Ion: 56 Resp: 8260
Ion Ratio Lower Upper
56 100
69 210.6 22.7 34.1#
84 160.4 64.2 96.4#

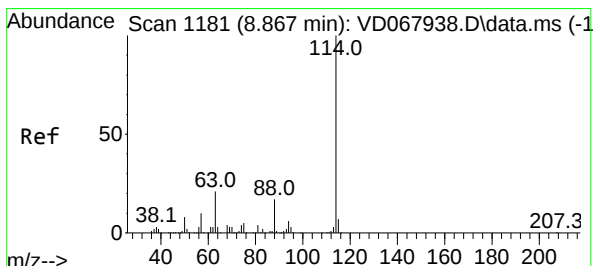
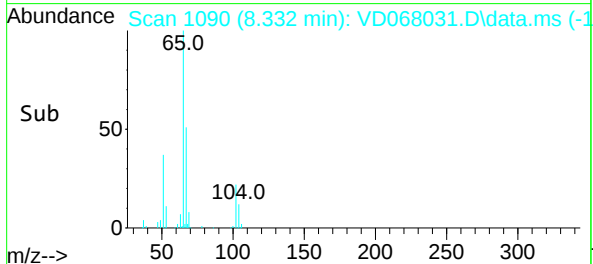
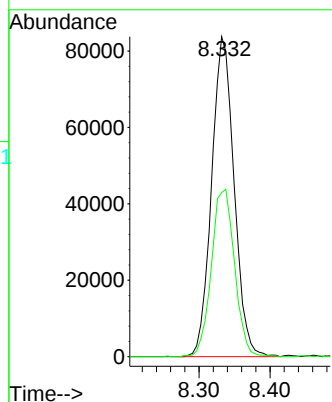
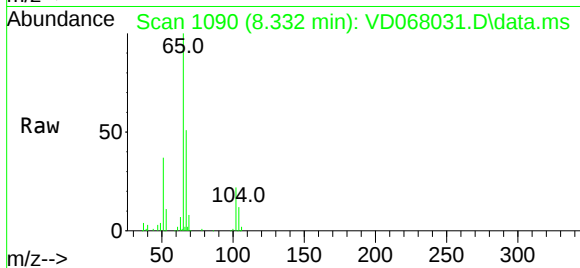




#33
1,2-Dichloroethane-d4
Concen: 61.12 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

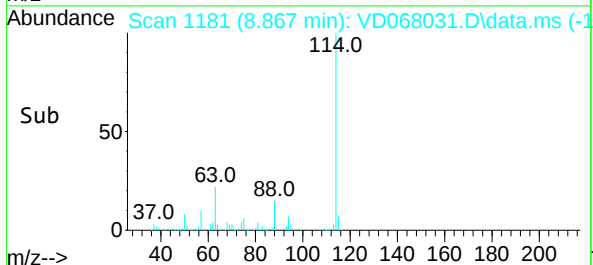
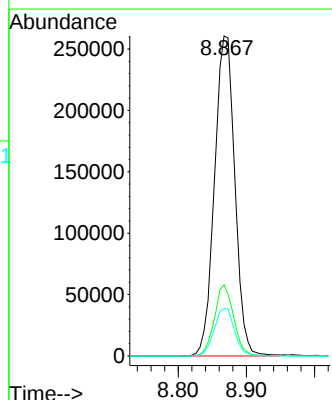
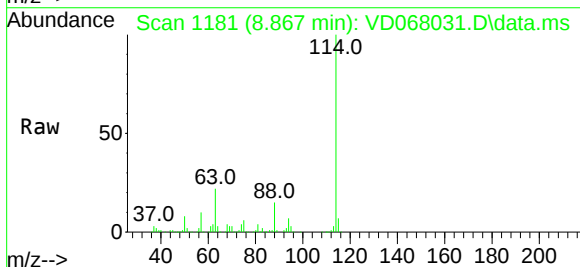
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

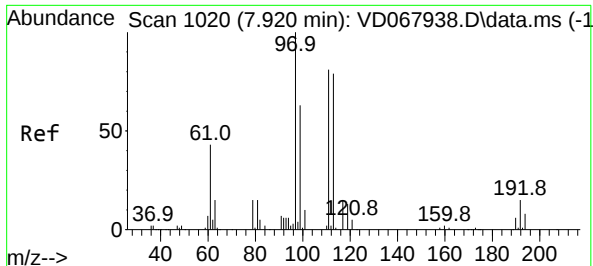
Tgt Ion: 65 Resp: 184255
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

Tgt Ion: 114 Resp: 541972
Ion Ratio Lower Upper
114 100
63 22.2 0.0 41.4
88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.06 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068031.D

Acq: 07 Jan 2021 13:51

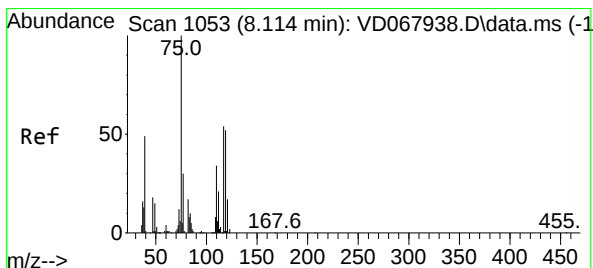
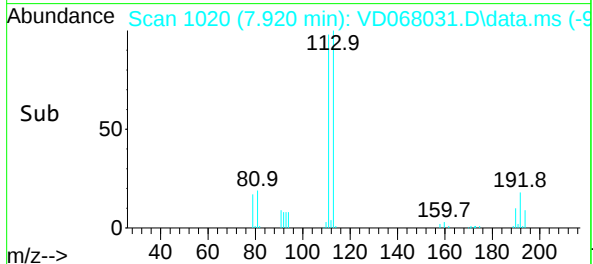
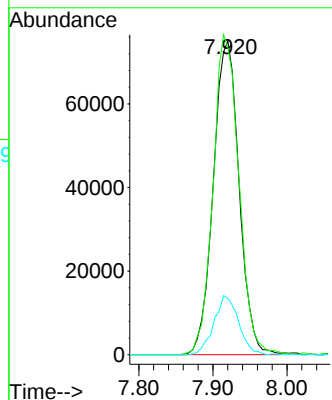
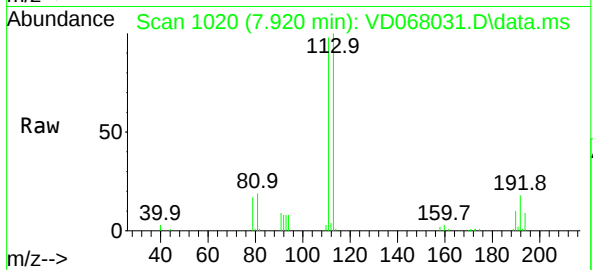
Tgt Ion:113 Resp: 181210

Ion Ratio Lower Upper

113 100

111 102.1 79.3 118.9

192 18.0 14.5 21.7



#36

1,1-Dichloropropene

Concen: 4.42 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD068031.D

Acq: 07 Jan 2021 13:51

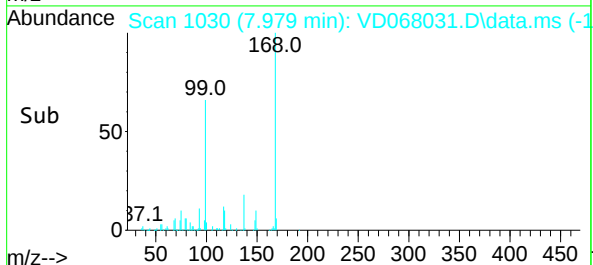
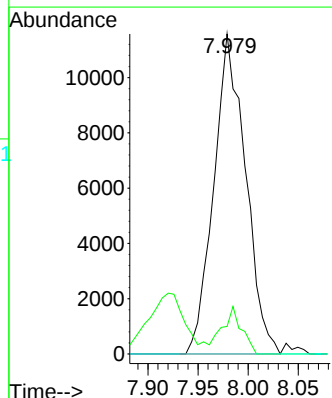
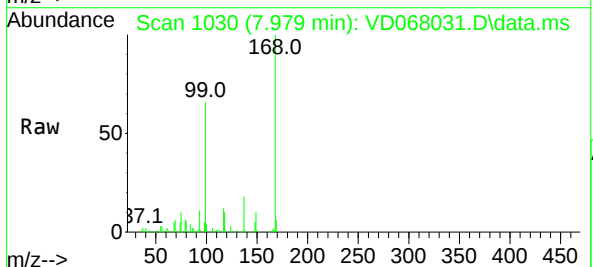
Tgt Ion: 75 Resp: 25482

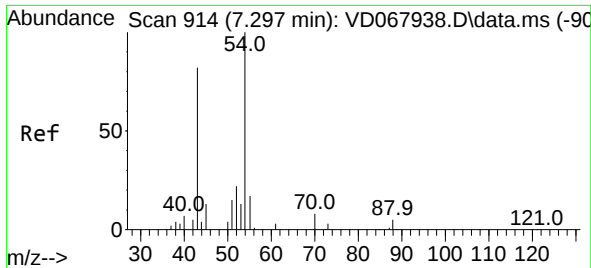
Ion Ratio Lower Upper

75 100

110 9.0 17.0 51.0#

77 0.0 24.6 37.0#

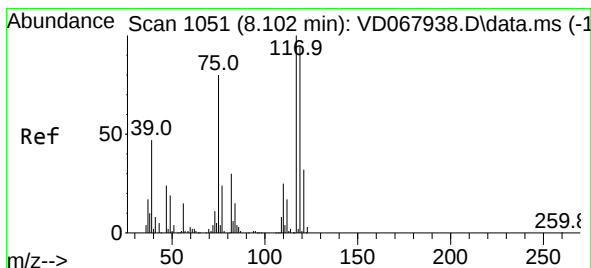
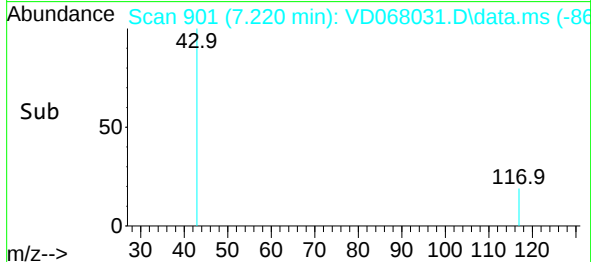
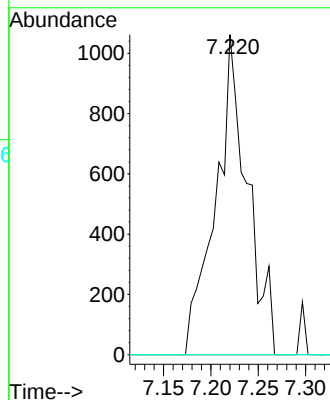
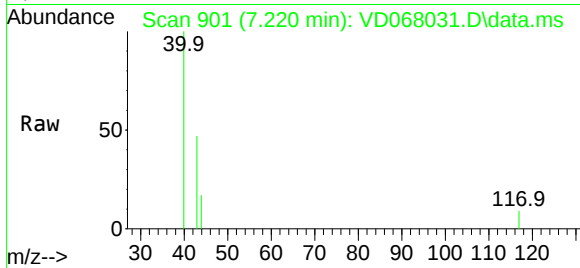




#37
Ethyl Acetate
Concen: 1.06 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.076 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

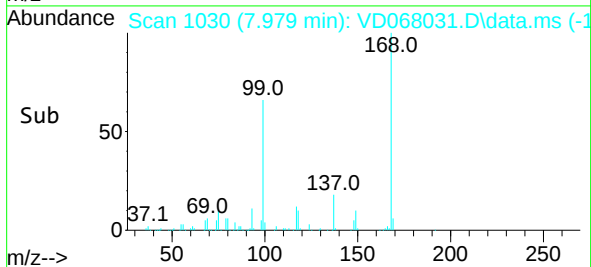
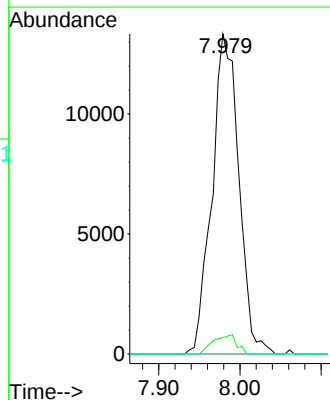
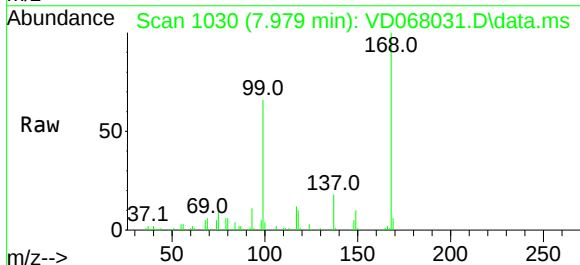
Instrument :
MSVOA_D
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SU-04-010621

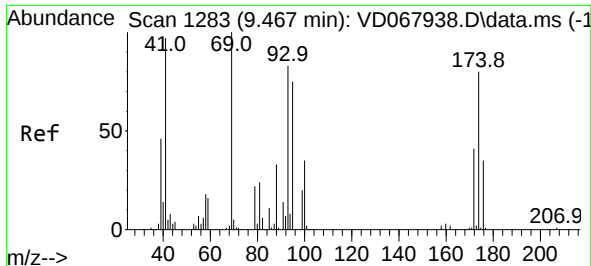
Tgt Ion: 43 Resp: 2469
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.56 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.124 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

Tgt Ion: 117 Resp: 30600
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.4#
121 0.0 25.9 38.9#





#49

1,4-Dioxane

Concen: 2.66 ug/l

RT: 9.432 min Scan# 1277

Delta R.T. -0.035 min

Lab File: VD068031.D

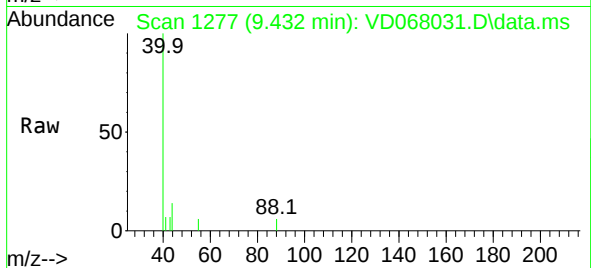
Acq: 07 Jan 2021 13:51

Instrument :

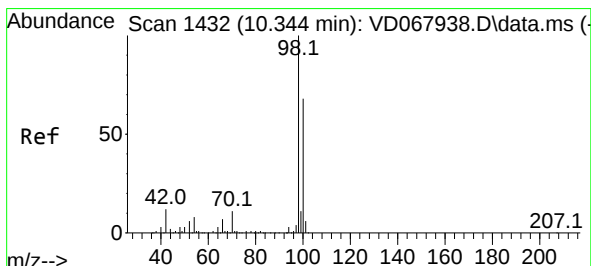
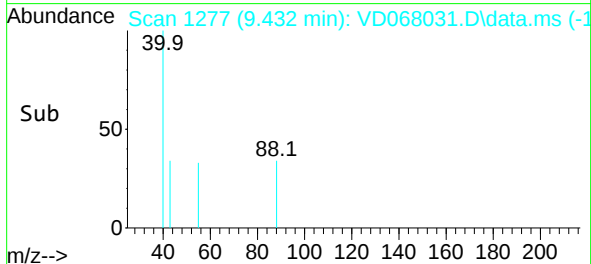
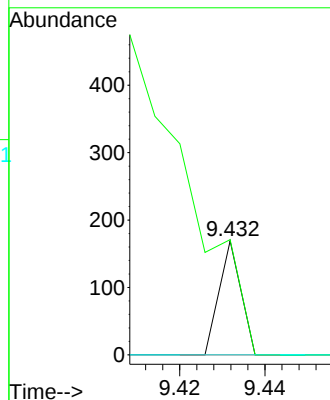
MSVOA_D

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Tgt Ion:	88	Resp:	60
Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.3	40.9#
58	0.0	54.8	82.2#



#50

Toluene-d8

Concen: 53.59 ug/l

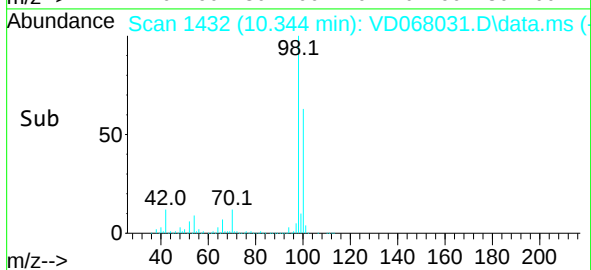
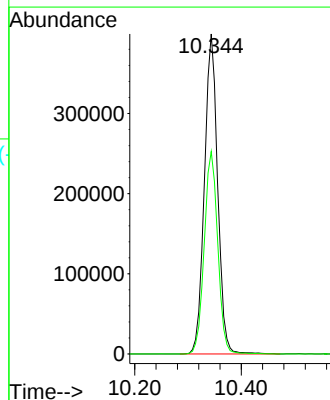
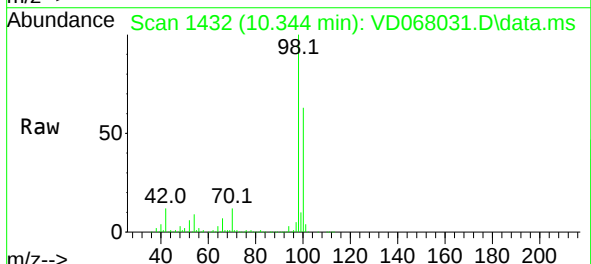
RT: 10.344 min Scan# 1432

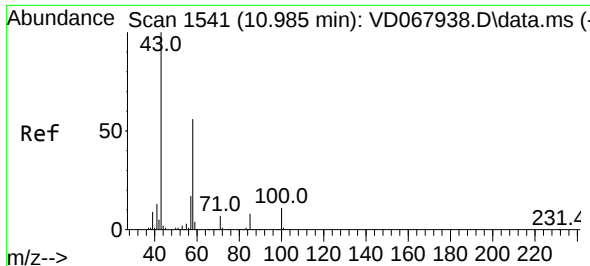
Delta R.T. 0.000 min

Lab File: VD068031.D

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Tgt Ion:	98	Resp:	687874
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.5	78.7

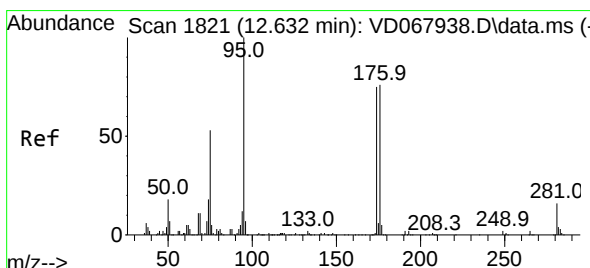
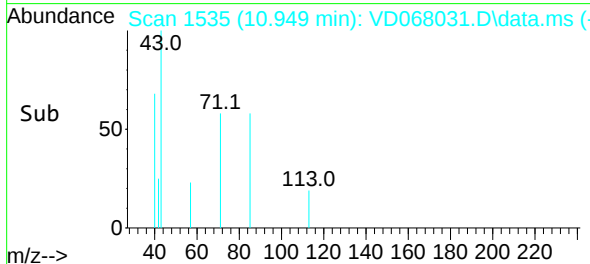
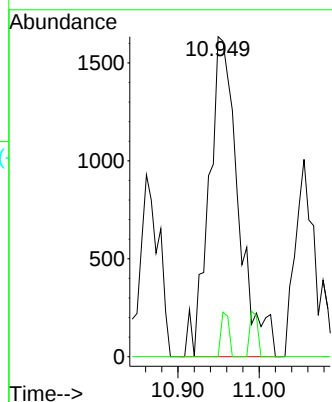
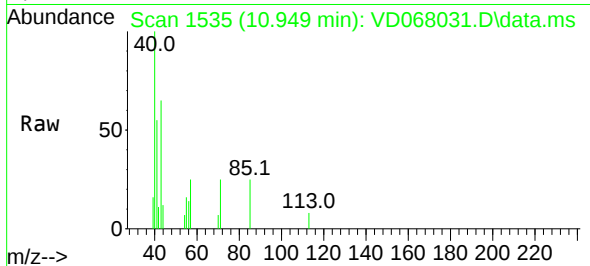




#59
2-Hexanone
Concen: 2.85 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

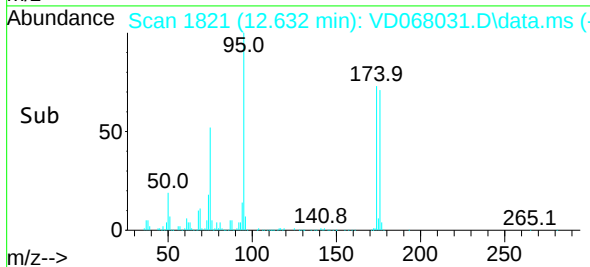
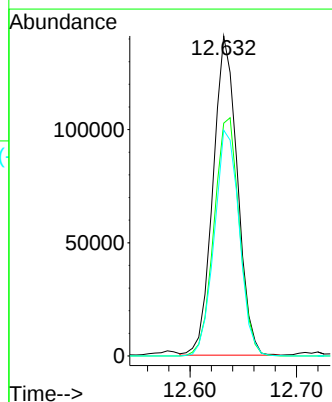
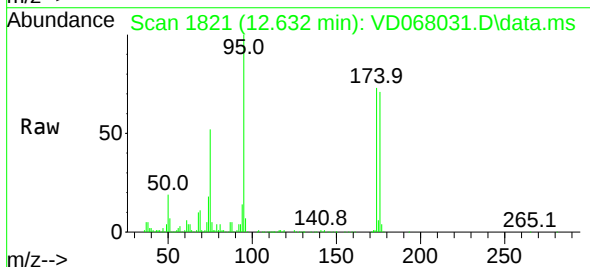
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

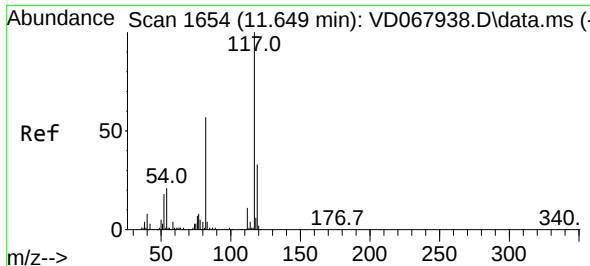
Tgt Ion: 43 Resp: 4146
Ion Ratio Lower Upper
43 100
58 3.7 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 50.95 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

Tgt Ion: 95 Resp: 223685
Ion Ratio Lower Upper
95 100
174 77.5 0.0 150.6
176 72.4 0.0 151.2

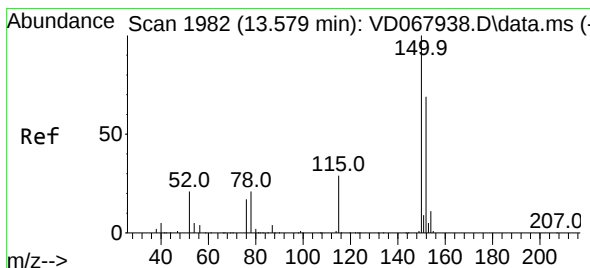
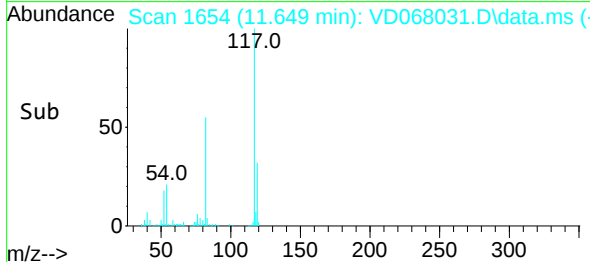
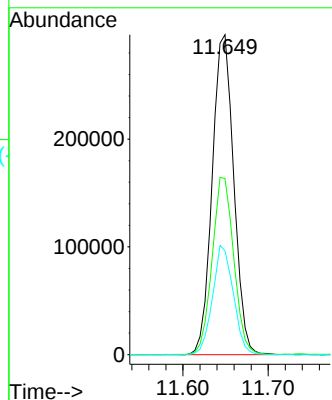
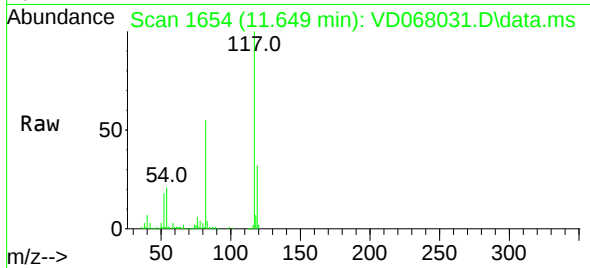




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

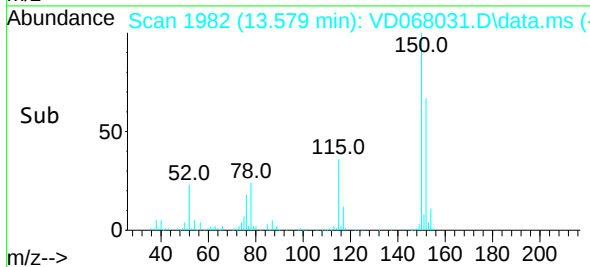
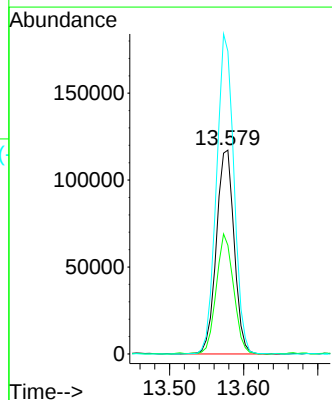
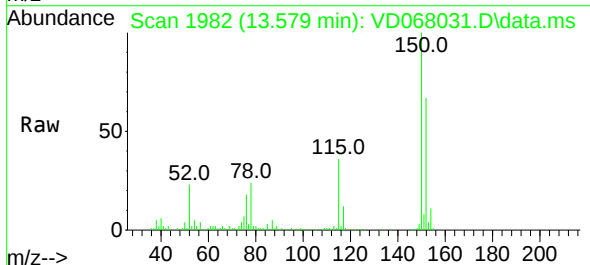
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

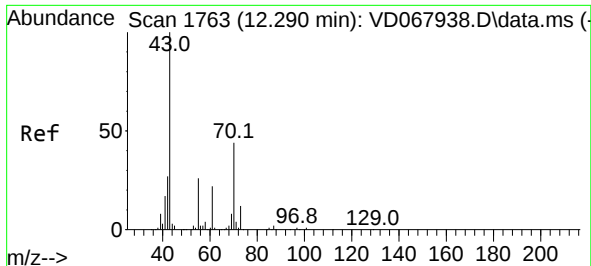
Tgt Ion:117 Resp: 521866
Ion Ratio Lower Upper
117 100
82 54.9 45.4 68.0
119 32.4 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

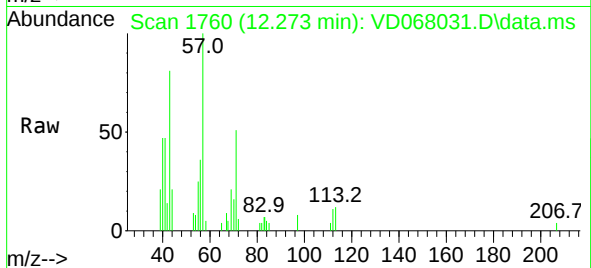
Tgt Ion:152 Resp: 195973
Ion Ratio Lower Upper
152 100
115 57.3 29.3 88.0
150 153.4 0.0 340.0



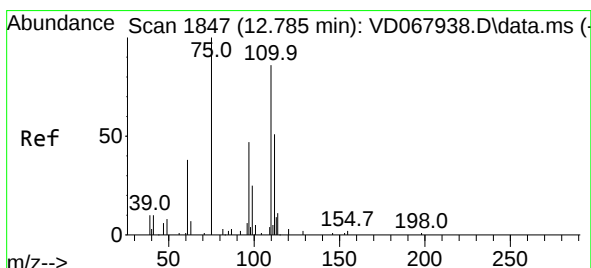
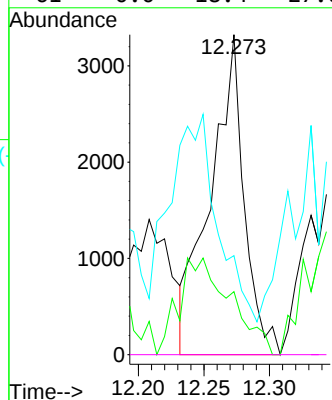
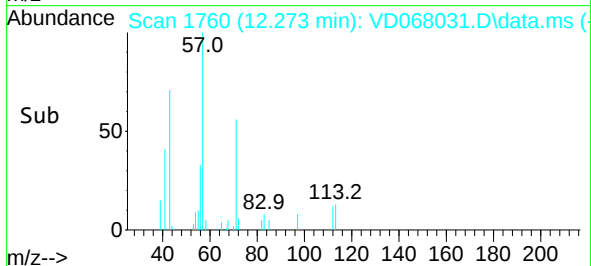


#74
N-amy1 acetate
Concen: 1.80 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.018 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

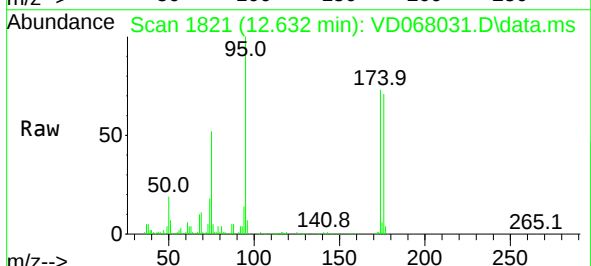
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621



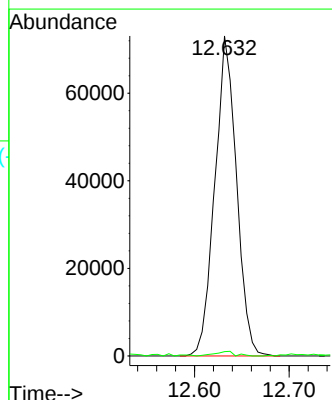
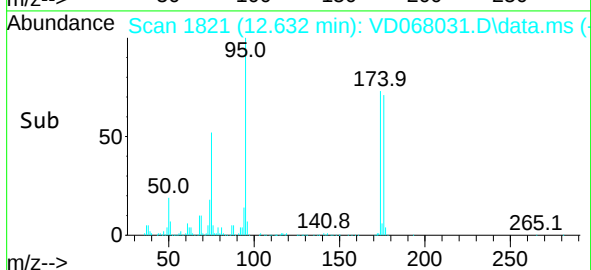
Tgt Ion: 43	Resp: 5946
Ion Ratio	Lower Upper
43	100
70	0.0 34.3 51.5#
55	0.0 21.2 31.8#
61	0.0 18.4 27.6#

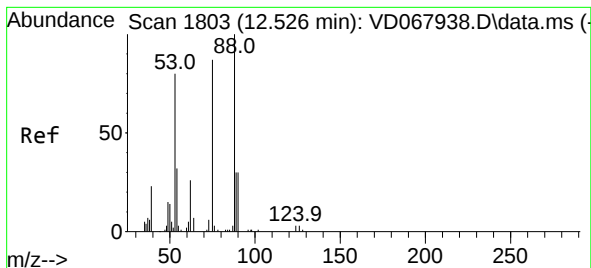


#76
1,2,3-Trichloropropane
Concen: 70.34 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51



Tgt Ion: 75	Resp: 116062
Ion Ratio	Lower Upper
75	100
77	1.3 0.0 0.0#

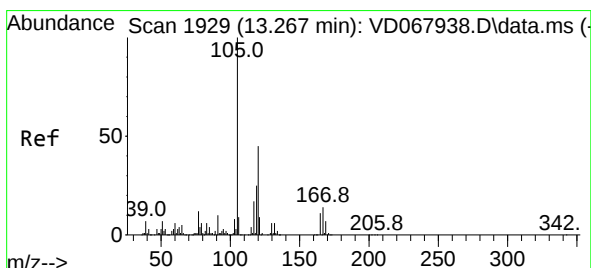
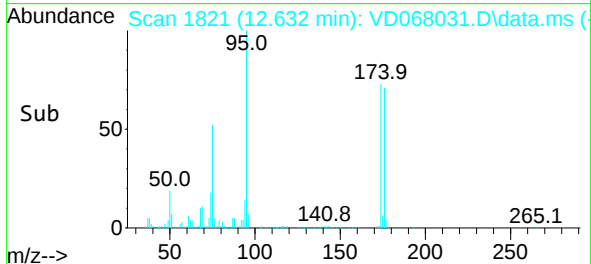
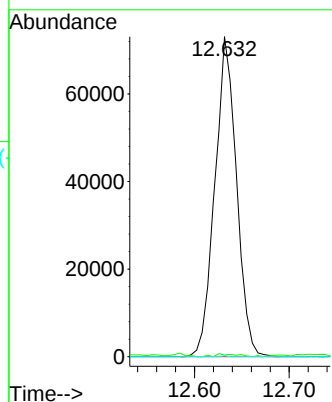
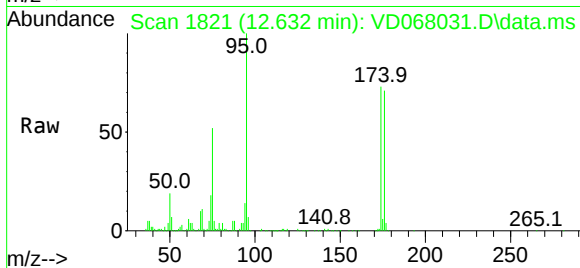




#81
trans-1,4-Dichloro-2-butene
Concen: 144.19 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

Tgt Ion: 75 Resp: 116062
Ion Ratio Lower Upper
75 100
53 0.9 74.9 112.3#
89 0.1 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.34 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068031.D
Acq: 07 Jan 2021 13:51

Tgt Ion: 105 Resp: 16238
Ion Ratio Lower Upper
105 100
120 47.4 22.7 68.0

