

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012121\
 Data File : VD068127.D
 Acq On : 21 Jan 2021 12:34
 Operator : VA/SY
 Sample : VD0121SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0121SBL01

Quant Time: Jan 22 00:07:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

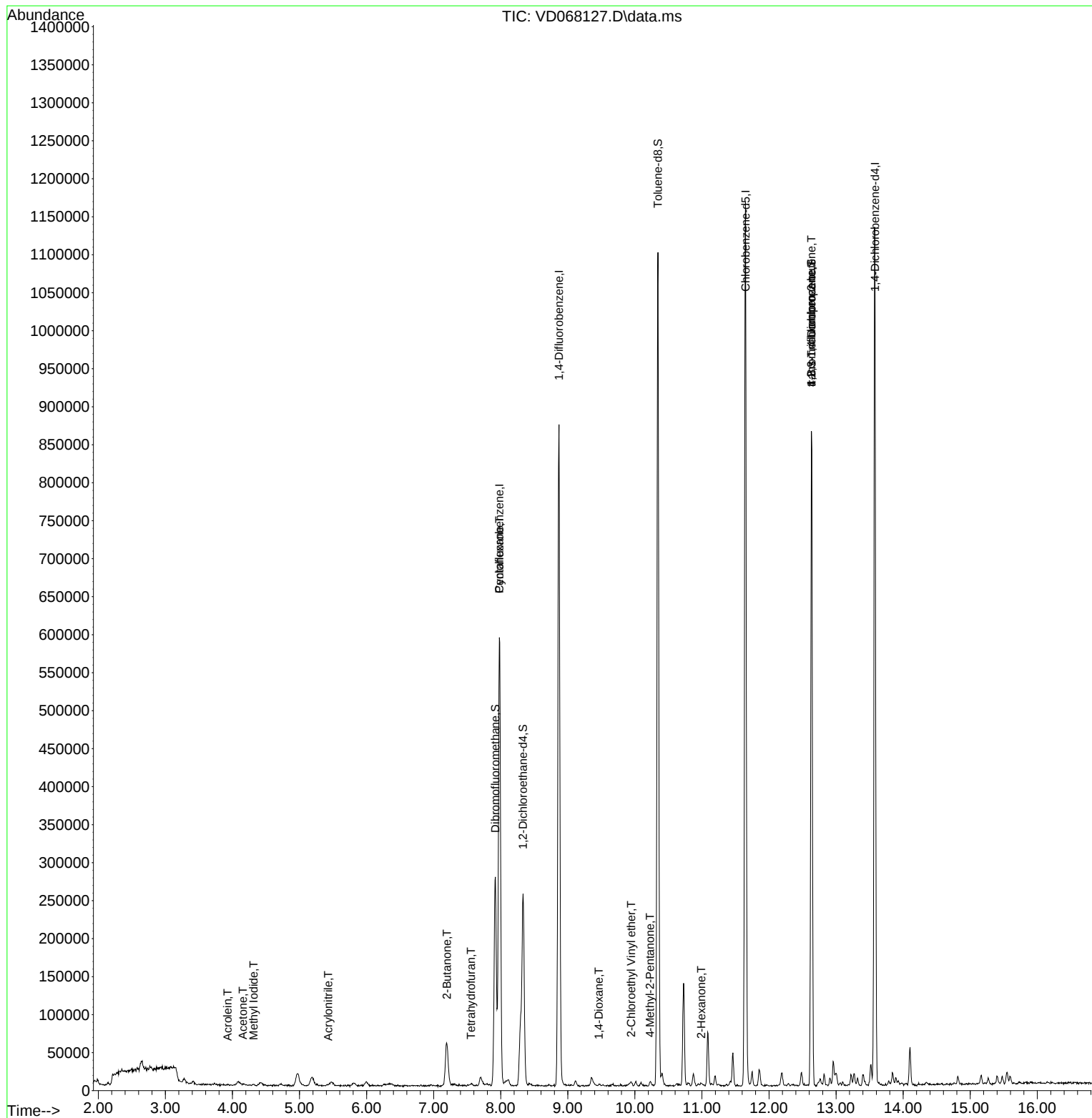
Internal Standards						
1) Pentafluorobenzene	7.979	168	443587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	776504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	687110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	304745	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	198169	46.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.40%		
35) Dibromofluoromethane	7.920	113	201134	46.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.70%		
50) Toluene-d8	10.344	98	780365	45.44	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.88%		
62) 4-Bromofluorobenzene	12.632	95	276769	44.76	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.52%		
Target Compounds						Qvalue
10) Methyl Iodide	4.315	142	2027	3.51	ug/l #	75
11) Tert butyl alcohol	5.179	59	10838	Below Cal	#	79
13) Acrolein	3.926	56	750	2.24	ug/l #	14
15) Acrylonitrile	5.426	53	1721	1.78	ug/l #	62
16) Acetone	4.156	43	3074	4.06	ug/l	93
20) Methylene Chloride	4.979	84	13700	Below Cal		97
25) 2-Butanone	7.197	43	2084	1.83	ug/l #	68
29) Tetrahydrofuran	7.556	42	1051	1.42	ug/l	90
31) Cyclohexane	7.979	56	13558	1.48	ug/l #	50
49) 1,4-Dioxane	9.461	88	208	6.53	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	4670	1.74	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.944	63	2679	1.13	ug/l	90
59) 2-Hexanone	10.991	43	2803	1.51	ug/l	79
76) 1,2,3-Trichloropropane	12.632	75	140321	47.62	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	140321	96.37	ug/l #	13

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

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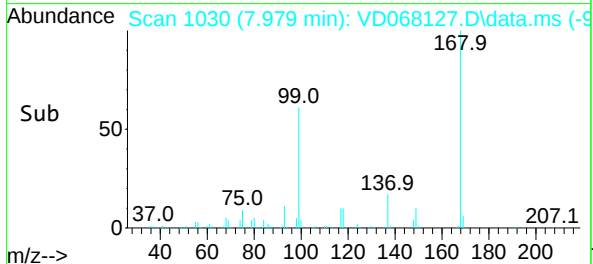
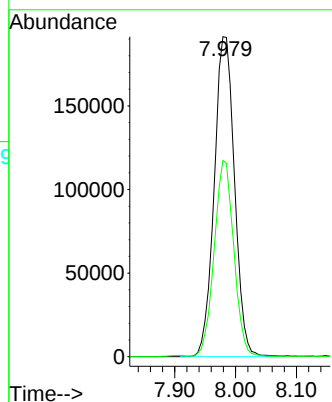
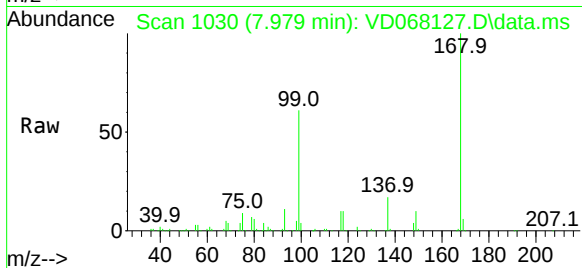




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

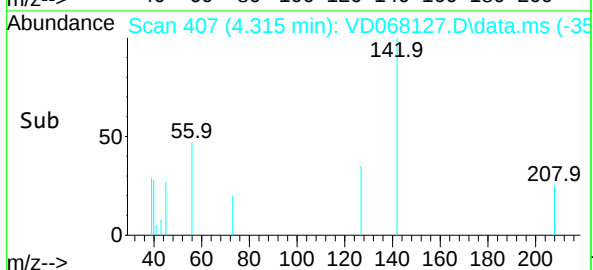
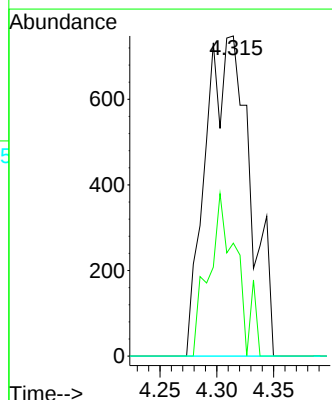
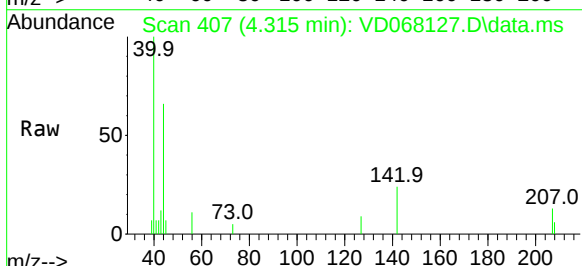
Instrument :
MSVOA_D
ClientSampleId :
VD0121SBL01

Tgt Ion:168 Resp: 443587
Ion Ratio Lower Upper
168 100
99 61.1 43.5 65.3



#10
Methyl Iodide
Concen: 3.51 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.007 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

Tgt Ion:142 Resp: 2027
Ion Ratio Lower Upper
142 100
127 32.5 37.9 56.9#
141 0.0 11.5 17.3#

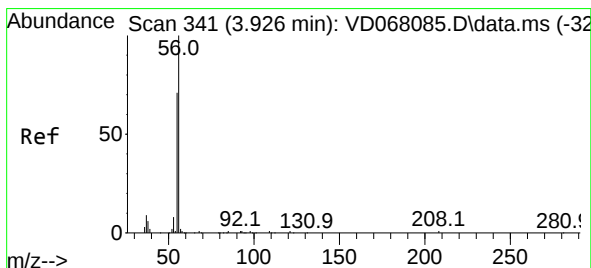
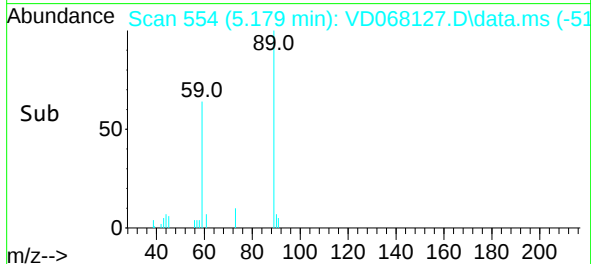
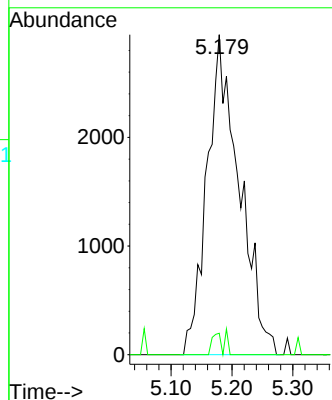
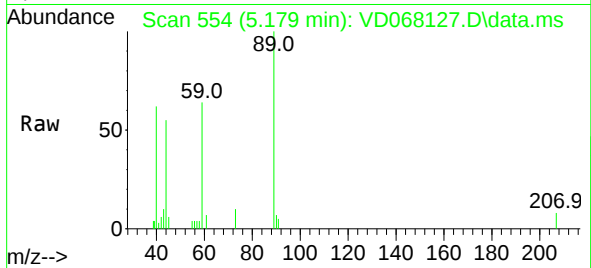




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

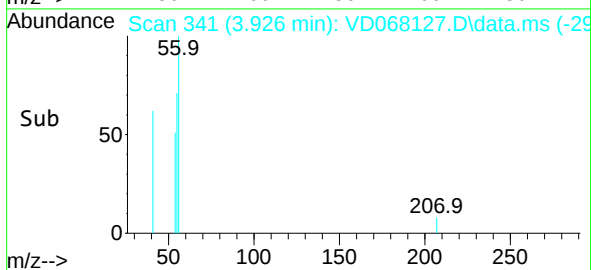
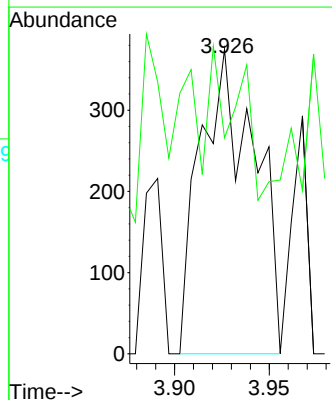
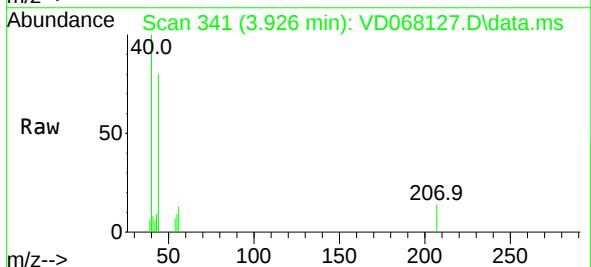
Instrument :
MSVOA_D
ClientSampleId :
VD0121SBL01

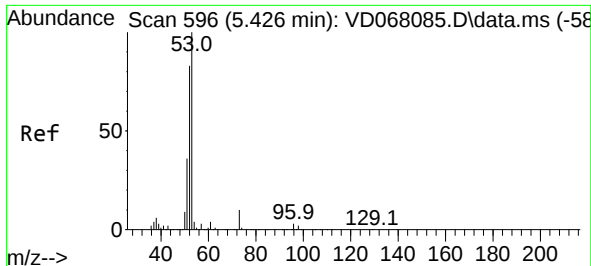
Tgt Ion: 59 Resp: 10838
Ion Ratio Lower Upper
59 100
57 1.8 7.4 11.2#



#13
Acrolein
Concen: 2.24 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

Tgt Ion: 56 Resp: 750
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#

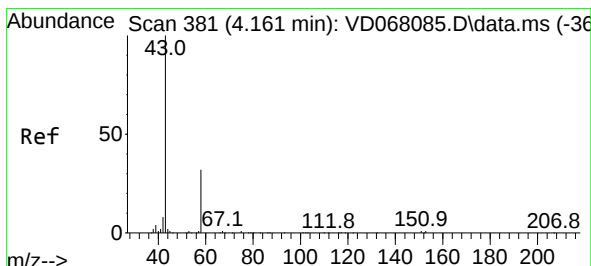
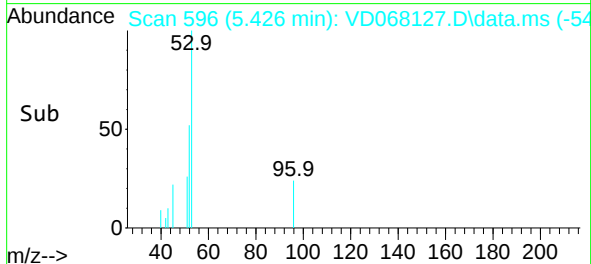
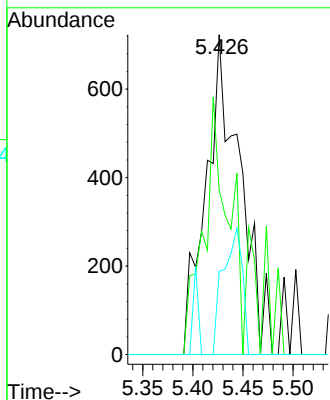
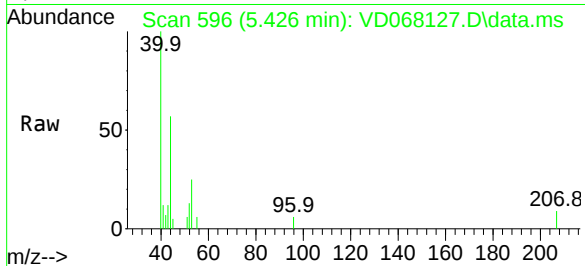




#15
Acrylonitrile
Concen: 1.78 ug/l
RT: 5.426 min Scan# 596
Delta R.T. 0.000 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

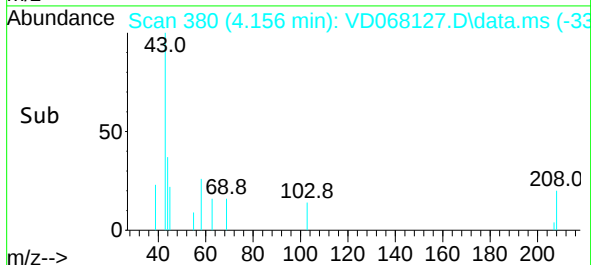
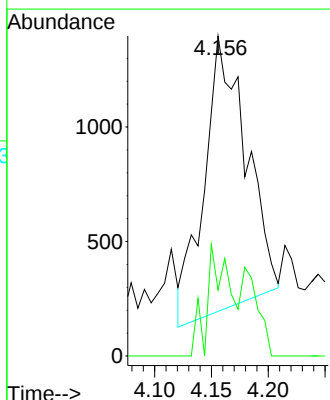
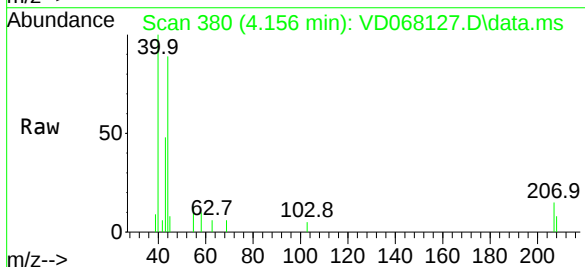
Instrument :
MSVOA_D
ClientSampleId :
VD0121SBL01

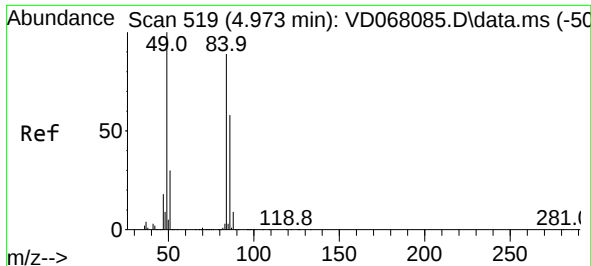
Tgt Ion: 53	Resp: 1721
Ion Ratio	Lower Upper
53 100	
52 58.2	66.2 99.2#
51 0.0	29.0 43.4#



#16
Acetone
Concen: 4.06 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

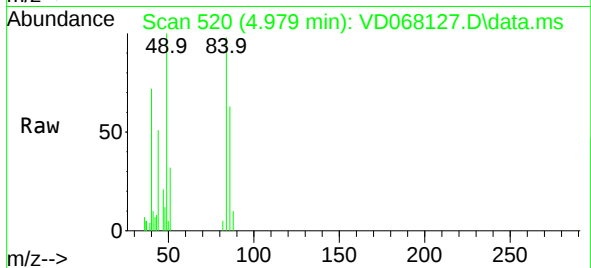
Tgt Ion: 43	Resp: 3074		
Ion Ratio	Lower	Upper	
43 100			
58 26.3	24.2	36.4	



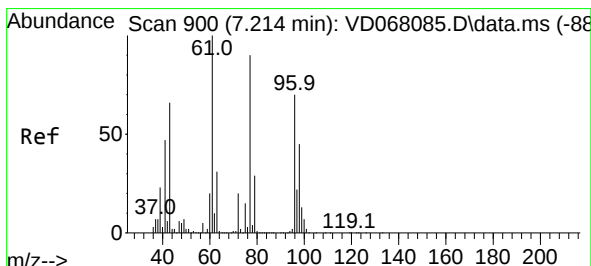
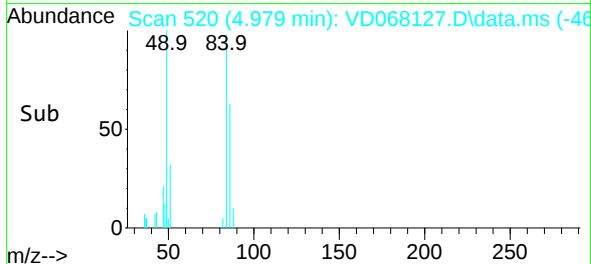
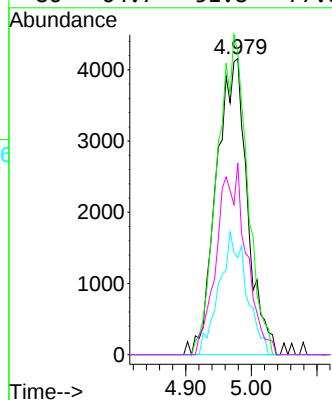


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0121SBL01

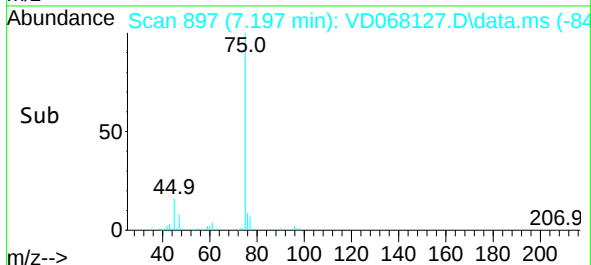
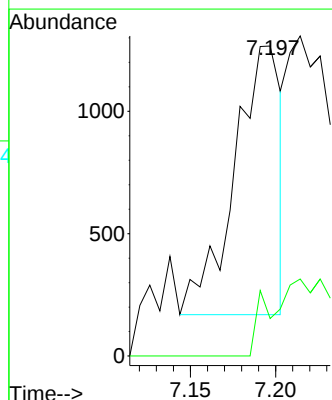
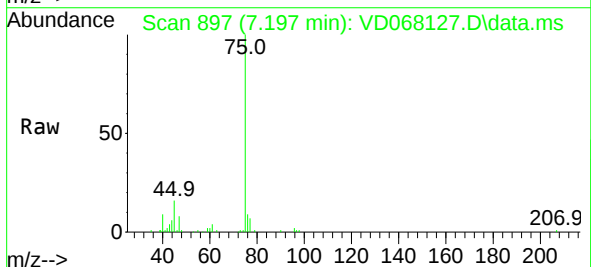


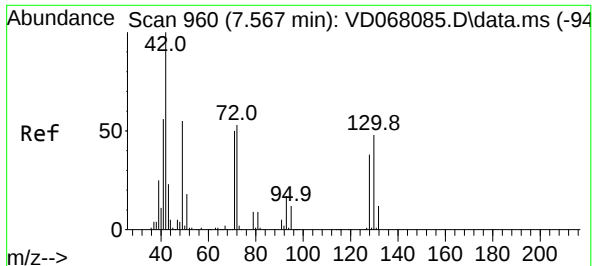
Tgt Ion:	84	Resp:	13700
Ion	Ratio	Lower	Upper
84	100		
49	102.0	77.4	116.2
51	32.8	26.1	39.1
86	64.7	51.8	77.8



#25
2-Butanone
Concen: 1.83 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.017 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

Tgt Ion:	43	Resp:	2084
Ion	Ratio	Lower	Upper
43	100		
72	13.9	25.1	37.7#





#29

Tetrahydrofuran

Concen: 1.42 ug/l

RT: 7.556 min Scan# 958

Delta R.T. -0.011 min

Lab File: VD068127.D

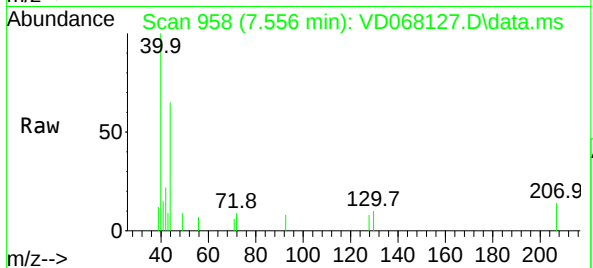
Acq: 21 Jan 2021 12:34

Instrument :

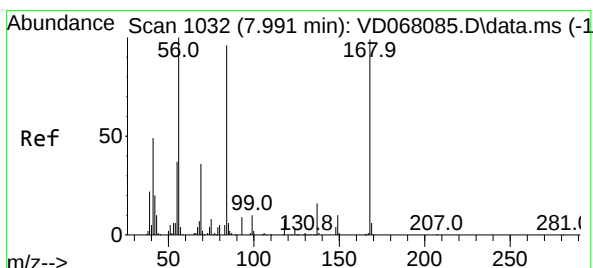
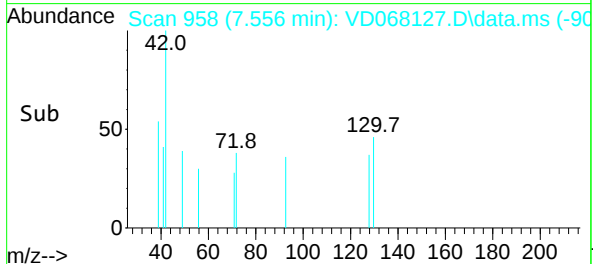
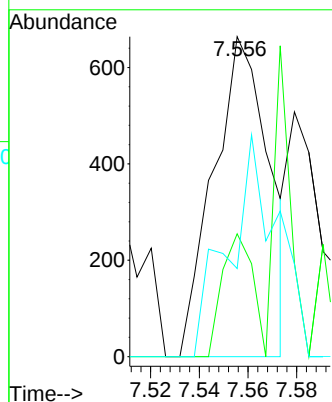
MSVOA_D

ClientSampleId :

VD0121SBL01



Tgt Ion:	42	Resp:	1051
Ion Ratio	Lower	Upper	
42	100		
72	49.3	43.4	65.0
71	60.9	40.8	61.2



#31

Cyclohexane

Concen: 1.48 ug/l

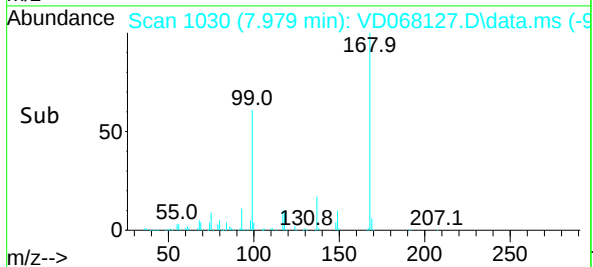
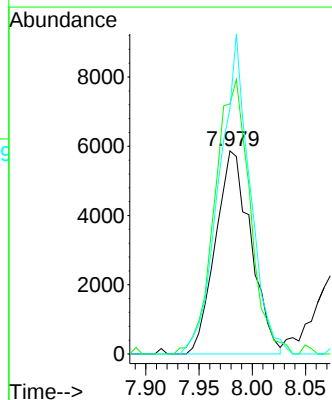
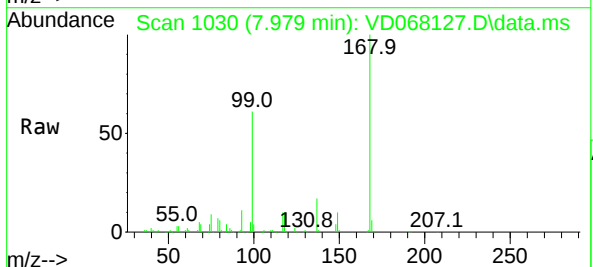
RT: 7.979 min Scan# 1030

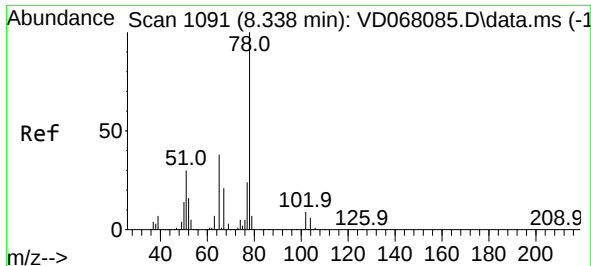
Delta R.T. -0.011 min

Lab File: VD068127.D

Acq: 21 Jan 2021 12:34

Tgt Ion:	56	Resp:	13558
Ion Ratio	Lower	Upper	
56	100		
69	120.2	30.1	45.1#
84	120.8	82.1	123.1

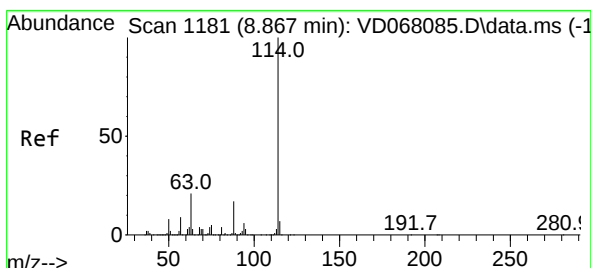
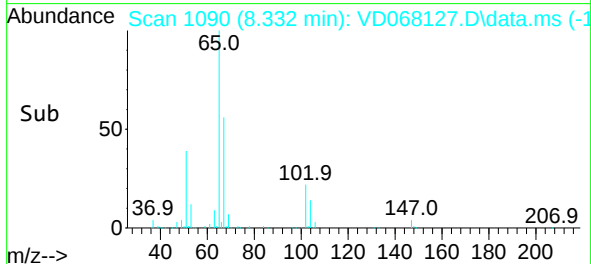
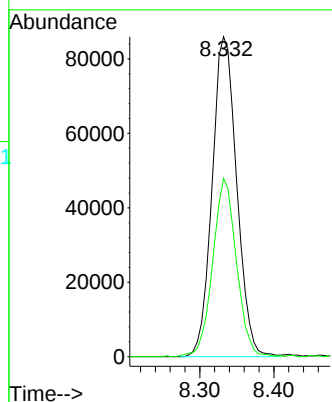
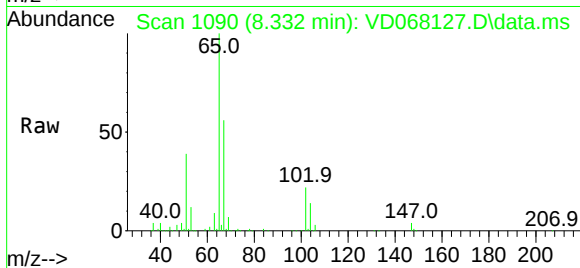




#33
1,2-Dichloroethane-d4
Concen: 46.70 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

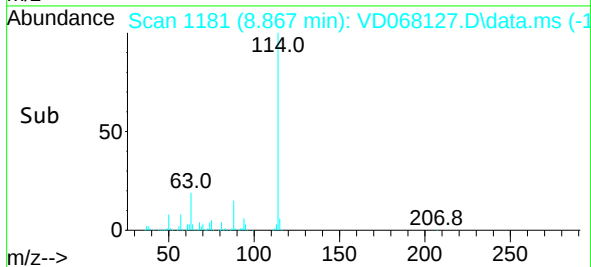
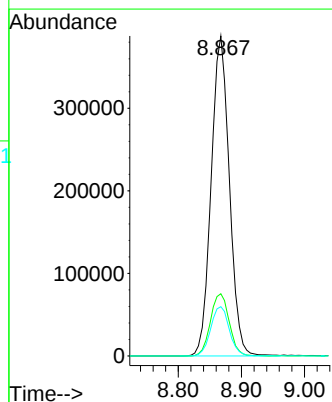
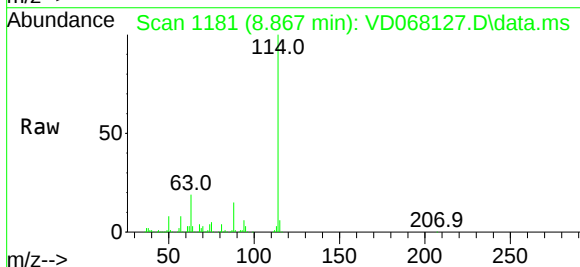
Instrument :
MSVOA_D
ClientSampleId :
VD0121SBL01

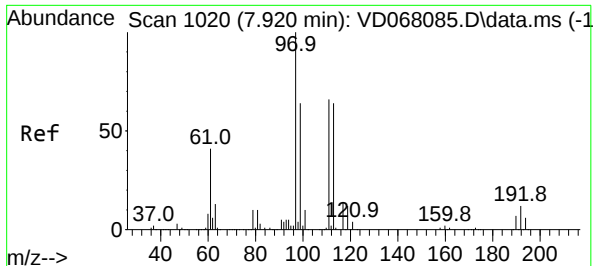
Tgt Ion: 65 Resp: 198169
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

Tgt Ion: 114 Resp: 776504
Ion Ratio Lower Upper
114 100
63 19.4 0.0 34.8
88 15.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.85 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068127.D

Acq: 21 Jan 2021 12:34

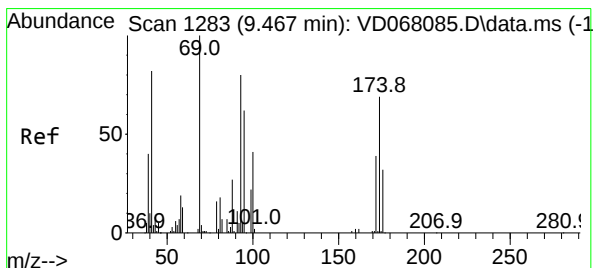
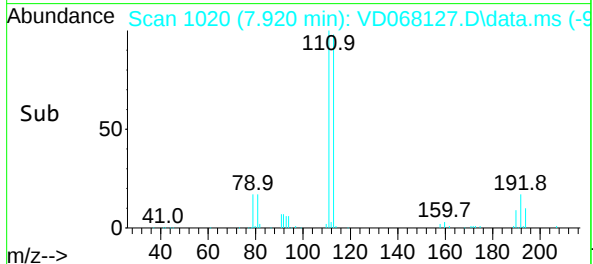
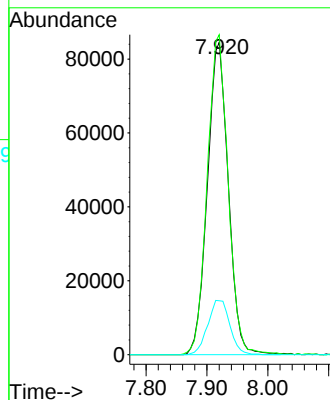
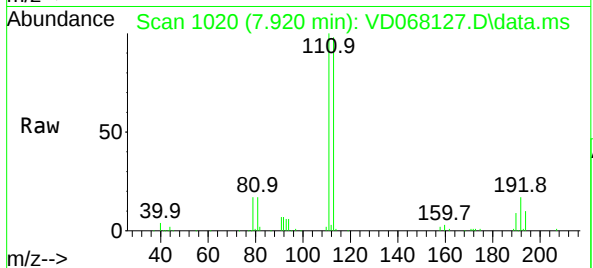
Tgt Ion:113 Resp: 201134

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 18.4 16.1 24.1



#49

1,4-Dioxane

Concen: 6.53 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. -0.006 min

Lab File: VD068127.D

Acq: 21 Jan 2021 12:34

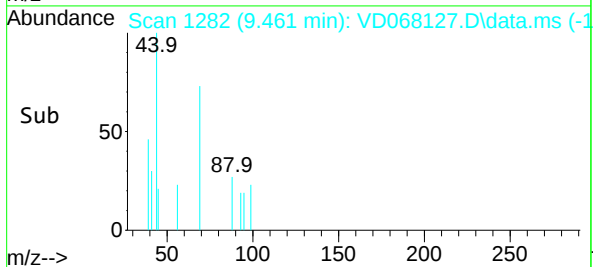
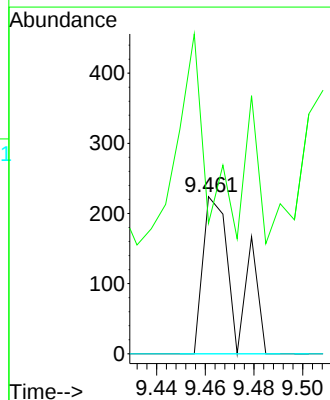
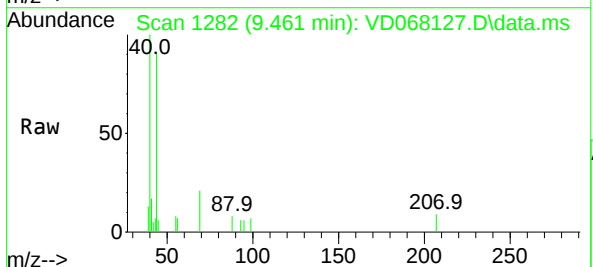
Tgt Ion: 88 Resp: 208

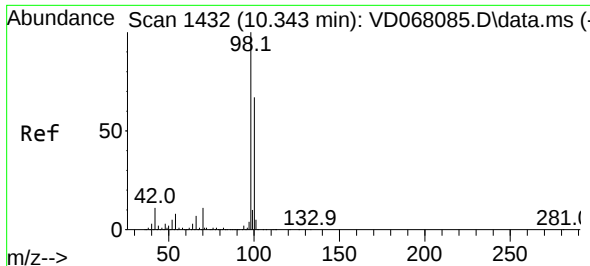
Ion Ratio Lower Upper

88 100

43 118.8 22.1 33.1#

58 0.0 46.7 70.1#

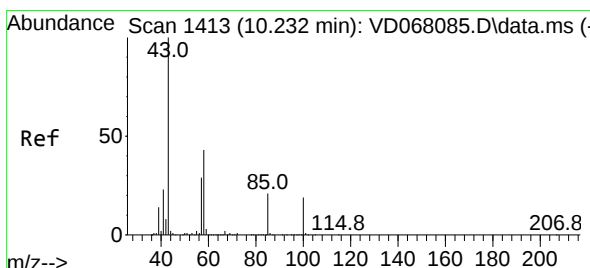
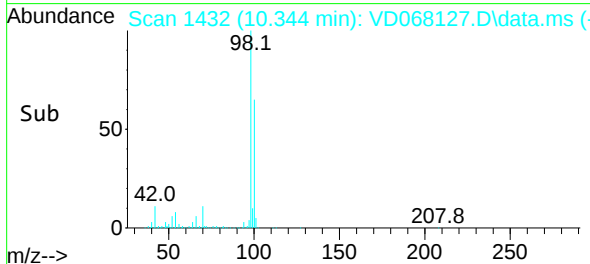
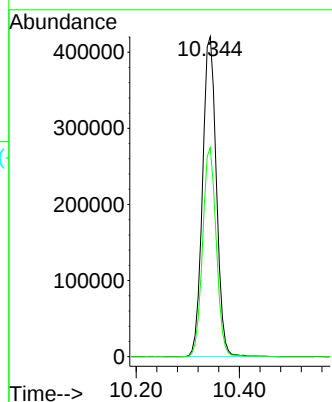
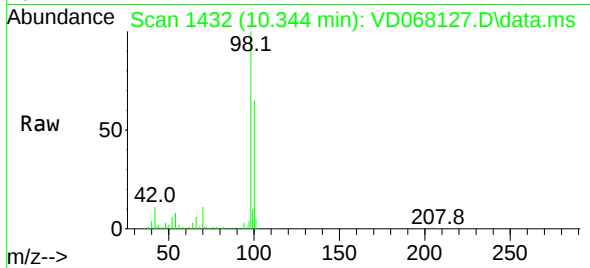




#50
Toluene-d8
Concen: 45.44 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

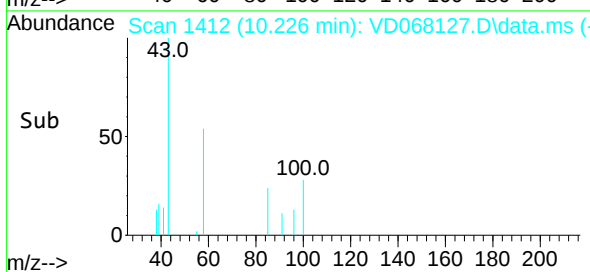
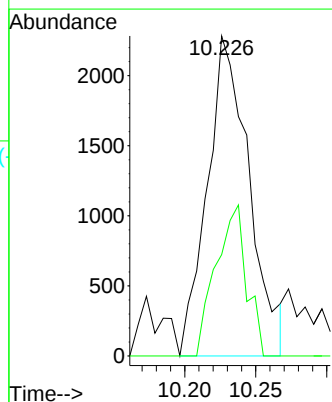
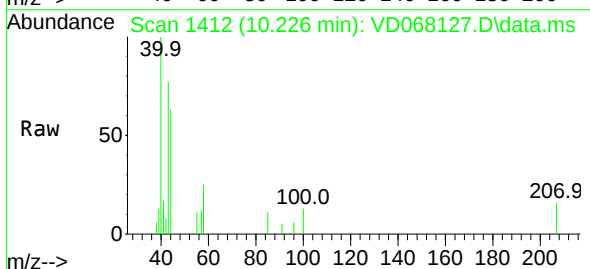
Instrument :
MSVOA_D
ClientSampleId :
VD0121SBL01

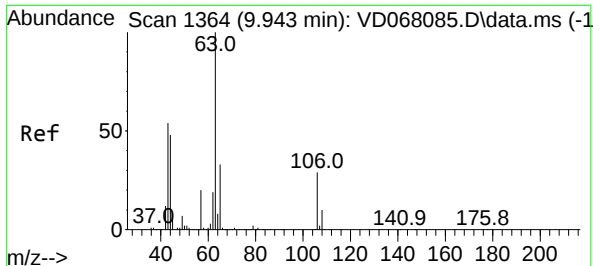
Tgt Ion: 98 Resp: 780365
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.74 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

Tgt Ion: 43 Resp: 4670
Ion Ratio Lower Upper
43 100
58 34.6 36.1 54.1#

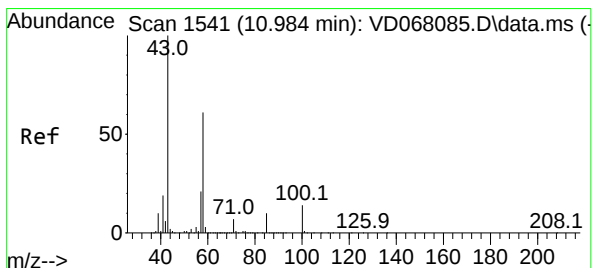
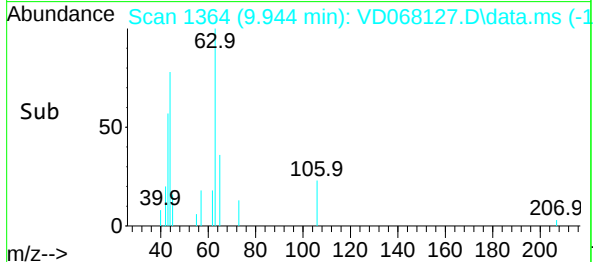
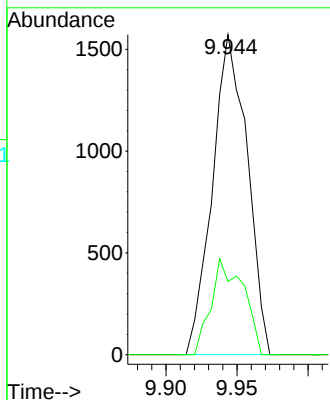
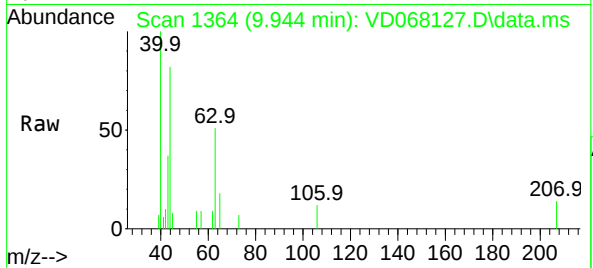




#58
2-Chloroethyl Vinyl ether
Concen: 1.13 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.000 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

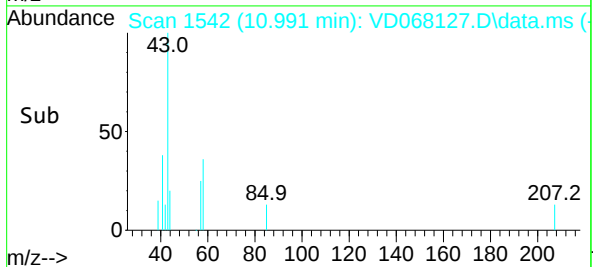
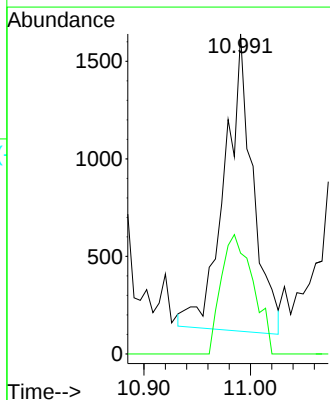
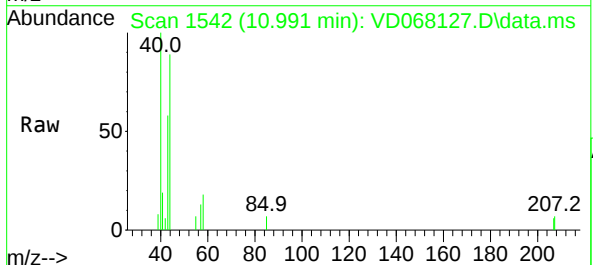
Instrument :
MSVOA_D
ClientSampleId :
VD0121SBL01

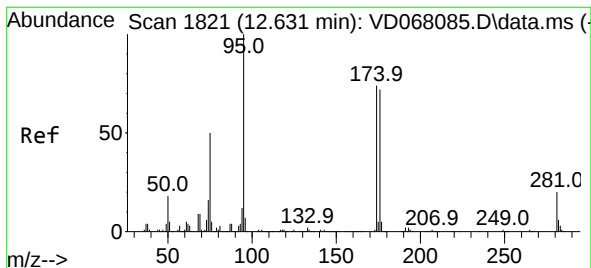
Tgt Ion: 63 Resp: 2679
Ion Ratio Lower Upper
63 100
106 27.8 27.0 40.4



#59
2-Hexanone
Concen: 1.51 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
58 45.6 31.0 93.0

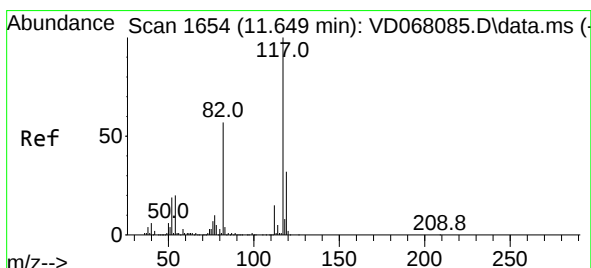
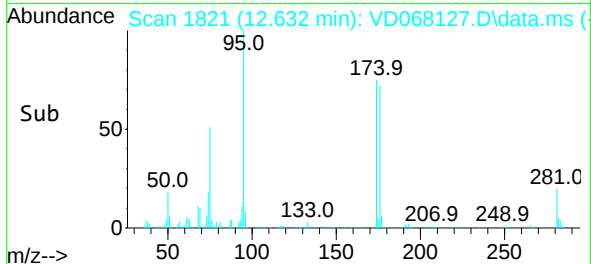
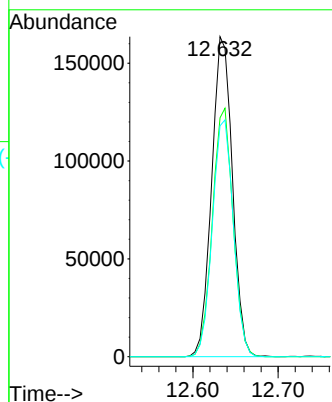
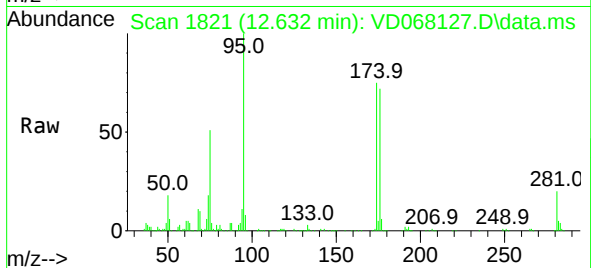




#62
4-Bromofluorobenzene
Concen: 44.76 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

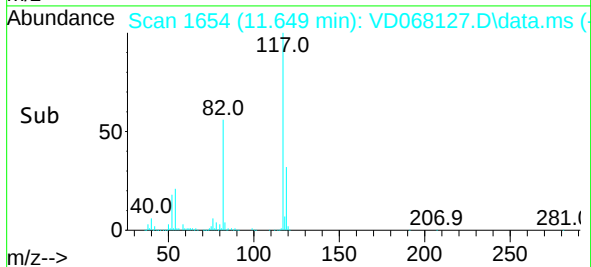
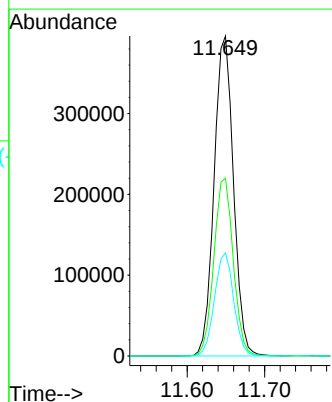
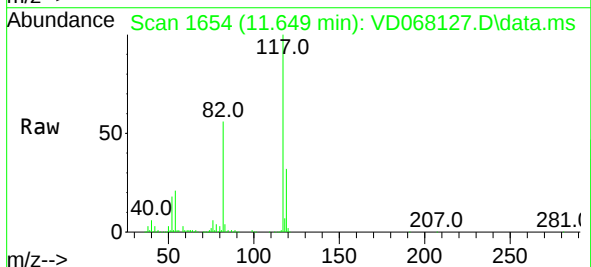
Instrument :
MSVOA_D
ClientSampleId :
VD0121SBL01

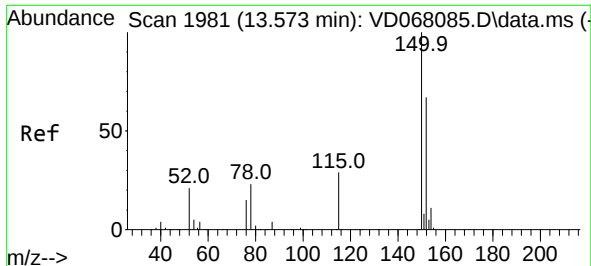
Tgt Ion: 95 Resp: 276769
Ion Ratio Lower Upper
95 100
174 77.3 0.0 172.4
176 74.7 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

Tgt Ion: 117 Resp: 687110
Ion Ratio Lower Upper
117 100
82 55.6 41.4 62.0
119 32.2 26.1 39.1

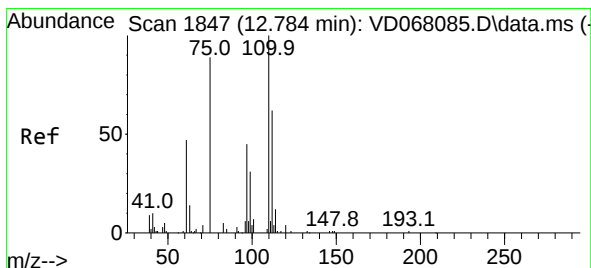
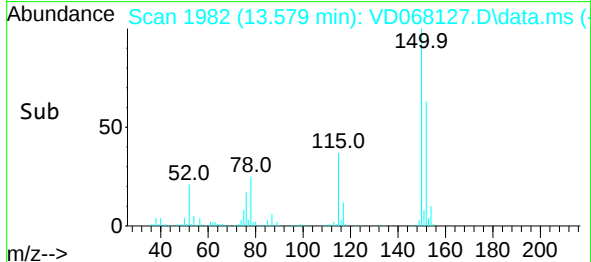
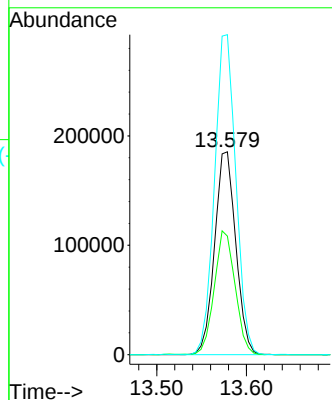
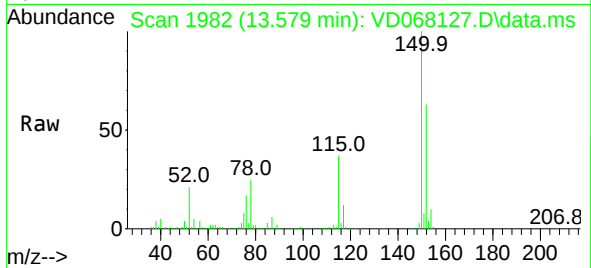




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

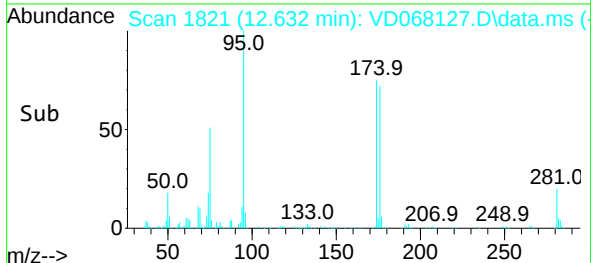
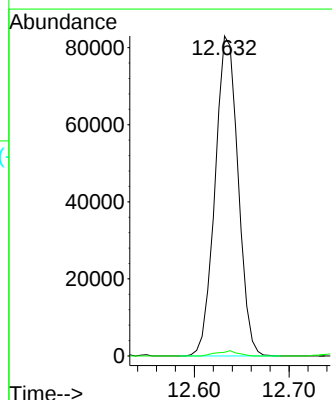
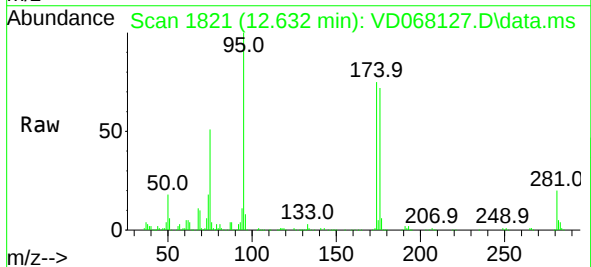
Instrument :
MSVOA_D
ClientSampleId :
VD0121SBL01

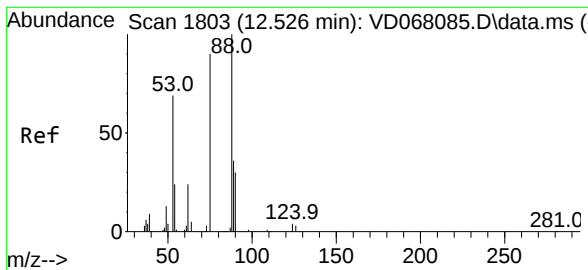
Tgt Ion:152 Resp: 304745
Ion Ratio Lower Upper
152 100
115 60.0 28.9 86.8
150 158.2 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 47.62 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068127.D
Acq: 21 Jan 2021 12:34

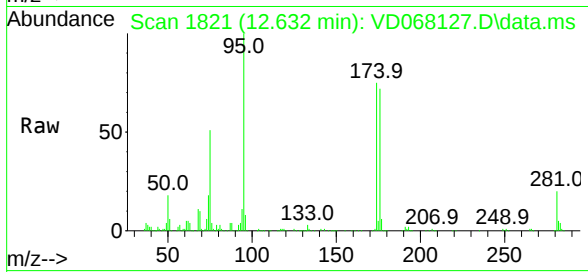
Tgt Ion: 75 Resp: 140321
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.37 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068127.D
 Acq: 21 Jan 2021 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0121SBL01



Tgt Ion: 75 Resp: 140321
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.1 40.3 60.5#

