

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068163.D
 Acq On : 25 Jan 2021 12:09
 Operator : VA/SY
 Sample : VD0125SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 26 00:06:56 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)

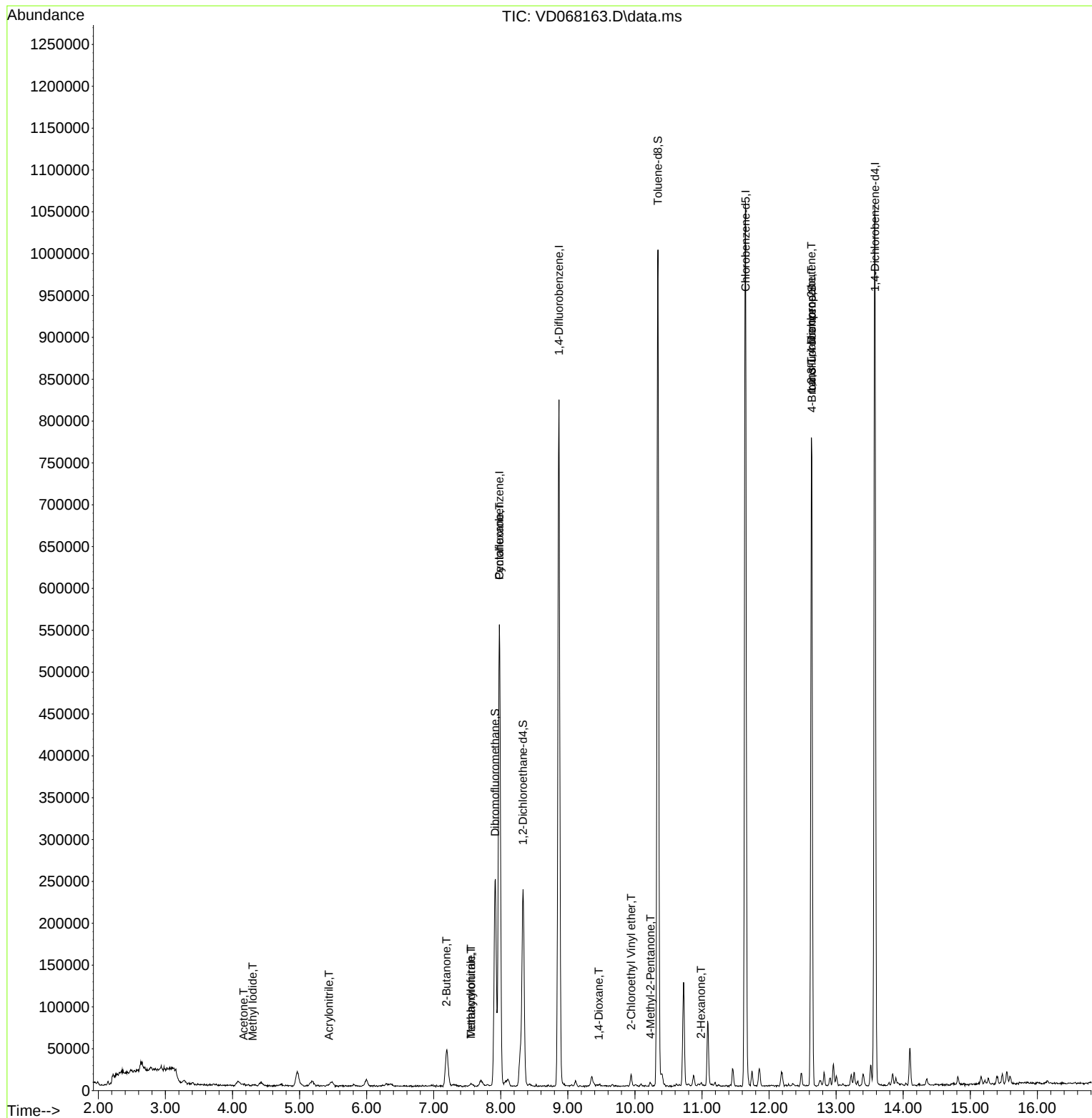
Internal Standards						
1) Pentafluorobenzene	7.979	168	414550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	714426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	639366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.578	152	288775	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	187630	47.31	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.62%		
35) Dibromofluoromethane	7.914	113	181280	45.90	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.80%		
50) Toluene-d8	10.343	98	717306	45.40	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.80%		
62) 4-Bromofluorobenzene	12.637	95	254727	44.77	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.54%		
Target Compounds						Qvalue
10) Methyl Iodide	4.302	142	1821	3.50	ug/l #	51
11) Tert butyl alcohol	5.179	59	6596	Below Cal	#	74
15) Acrylonitrile	5.438	53	1374	1.52	ug/l #	64
16) Acetone	4.167	43	5086	7.18	ug/l #	82
20) Methylene Chloride	4.961	84	13801	Below Cal		94
25) 2-Butanone	7.191	43	2482	2.33	ug/l #	68
29) Tetrahydrofuran	7.555	42	858	1.24	ug/l #	40
31) Cyclohexane	7.979	56	13218	1.54	ug/l #	52
41) Methacrylonitrile	7.555	41	2153	1.40	ug/l #	29
49) 1,4-Dioxane	9.461	88	170	5.80	ug/l #	53
51) 4-Methyl-2-Pentanone	10.232	43	3116	1.26	ug/l #	81
58) 2-Chloroethyl Vinyl ether	9.943	63	5769	2.65	ug/l	96
59) 2-Hexanone	10.984	43	2699	1.58	ug/l	72
76) 1,2,3-Trichloropropane	12.631	75	128588	46.05	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	128588	93.19	ug/l #	13

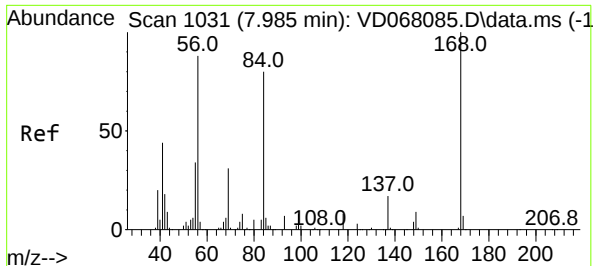
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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Quant Time: Jan 26 00:06:56 2021
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QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

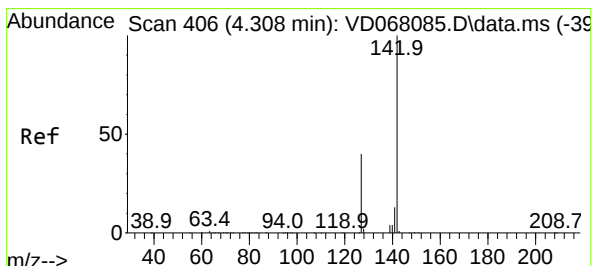
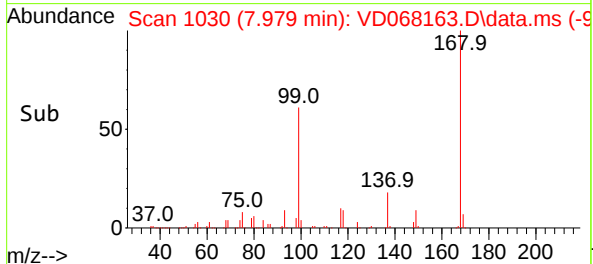
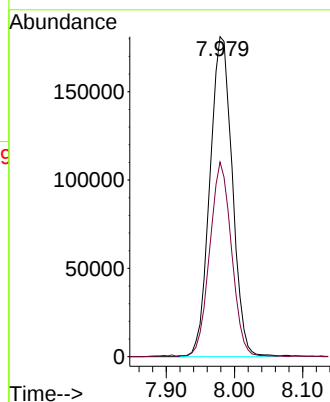
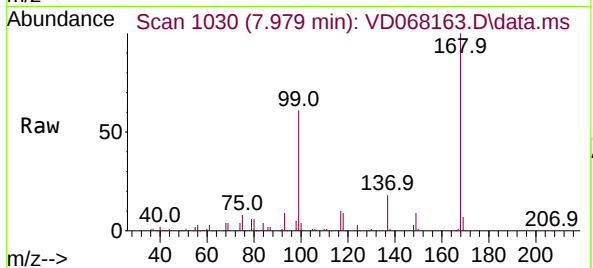




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

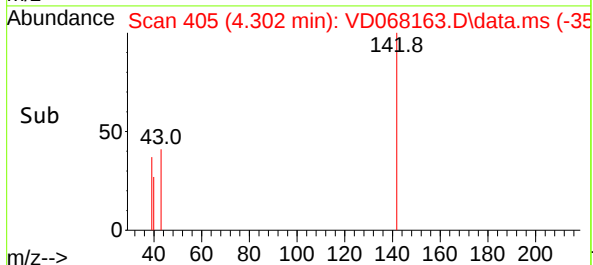
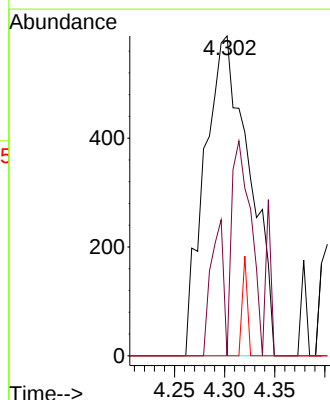
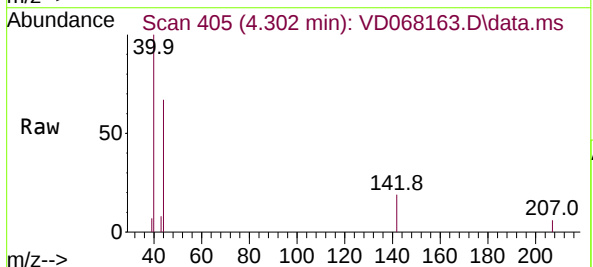
Instrument :
MSVOA_D
ClientSampled :

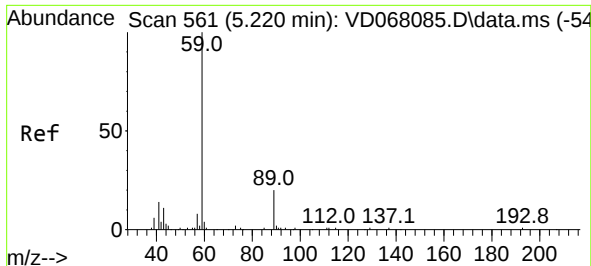
Tgt Ion:168 Resp: 414550
Ion Ratio Lower Upper
168 100
99 60.6 43.5 65.3



#10
Methyl Iodide
Concen: 3.50 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

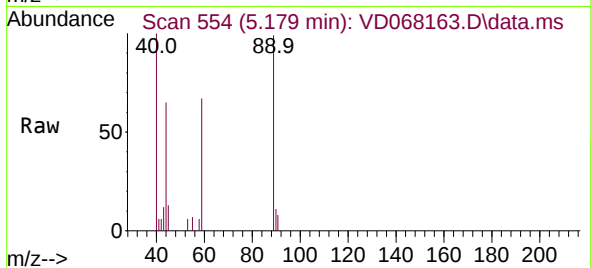
Tgt Ion:142 Resp: 1821
Ion Ratio Lower Upper
142 100
127 11.9 37.9 56.9#
141 0.0 11.5 17.3#



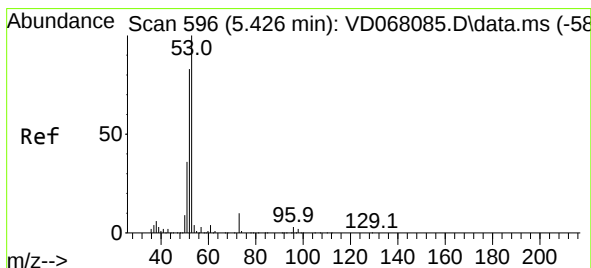
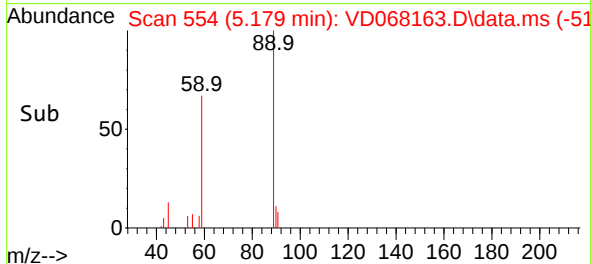
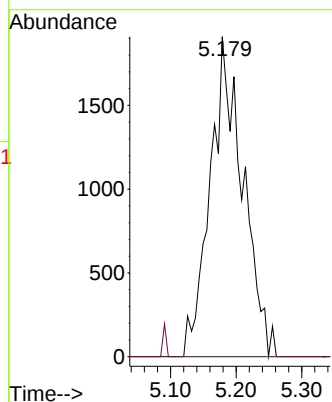


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

Instrument :
MSVOA_D
ClientSampleId :

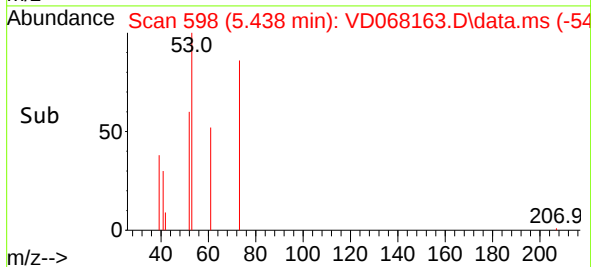
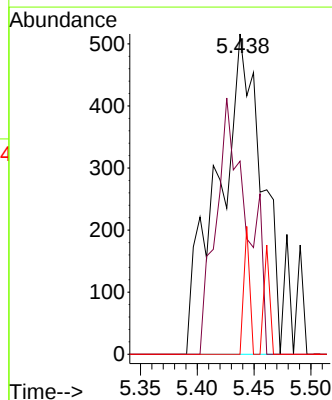
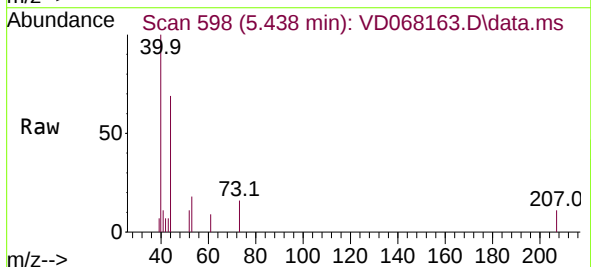


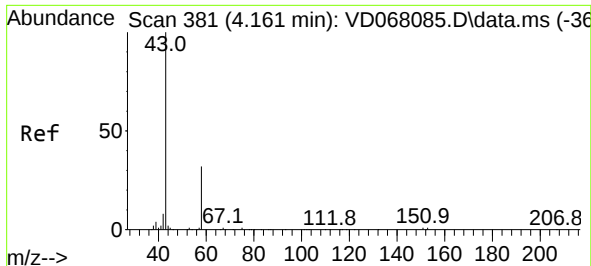
Tgt Ion: 59 Resp: 6596
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#15
Acrylonitrile
Concen: 1.52 ug/l
RT: 5.438 min Scan# 598
Delta R.T. 0.012 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

Tgt Ion: 53 Resp: 1374
Ion Ratio Lower Upper
53 100
52 57.2 66.2 99.2#
51 5.3 29.0 43.4#

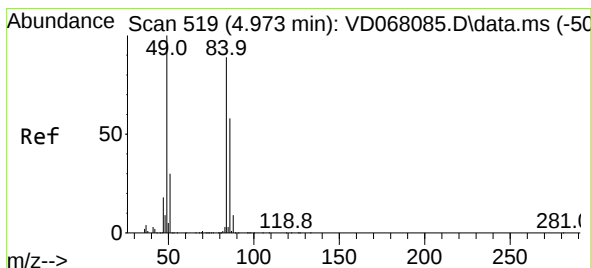
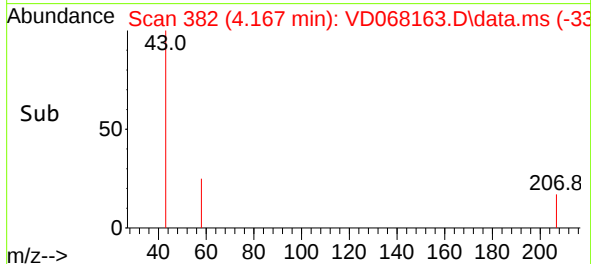
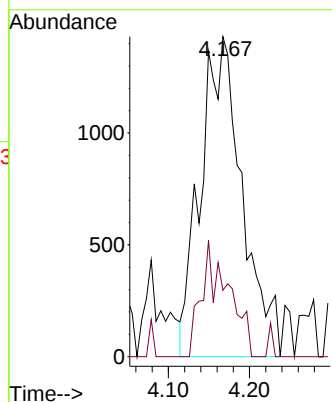
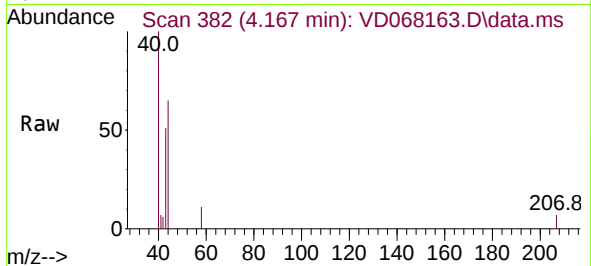




#16
Acetone
Concen: 7.18 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

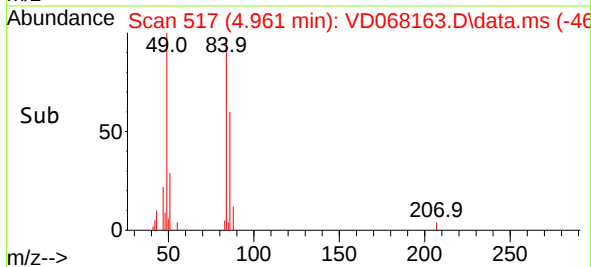
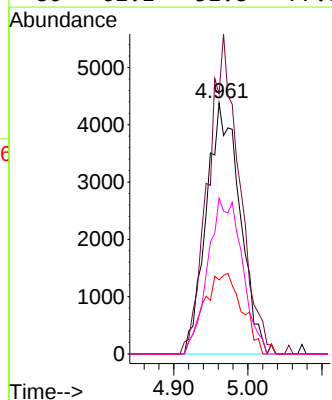
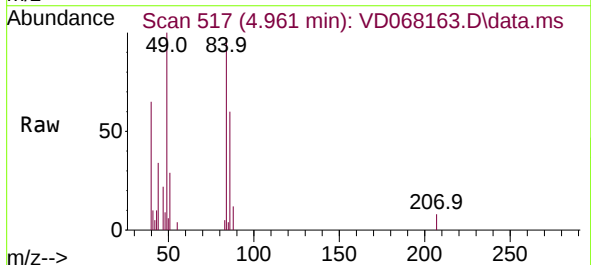
Instrument :
MSVOA_D
ClientSampled :

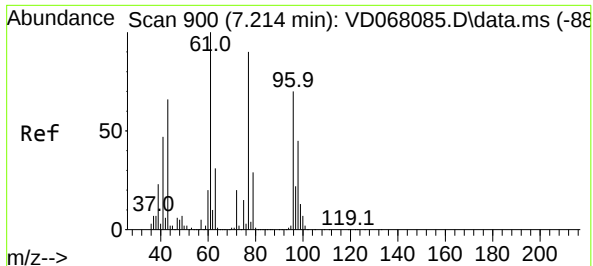
Tgt Ion: 43 Resp: 5086
Ion Ratio Lower Upper
43 100
58 20.8 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

Tgt Ion: 84 Resp: 13801
Ion Ratio Lower Upper
84 100
49 103.6 77.4 116.2
51 29.6 26.1 39.1
86 62.1 51.8 77.8

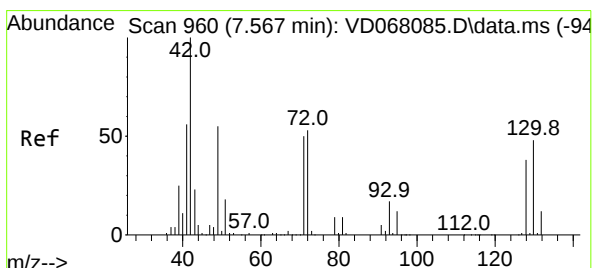
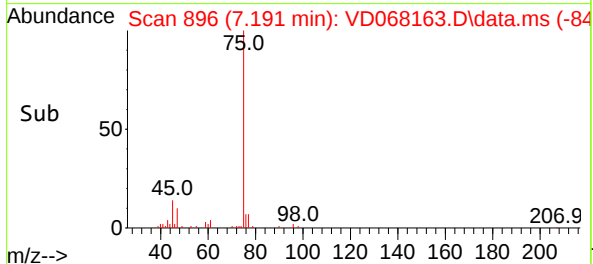
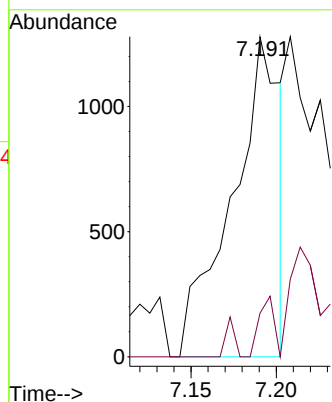
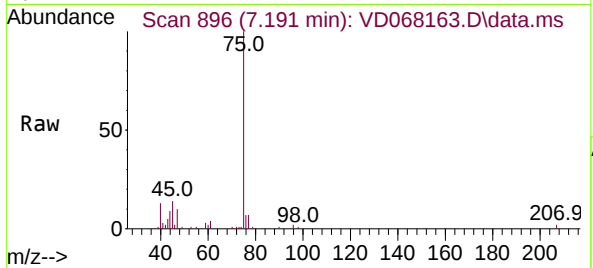




#25
2-Butanone
Concen: 2.33 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.024 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

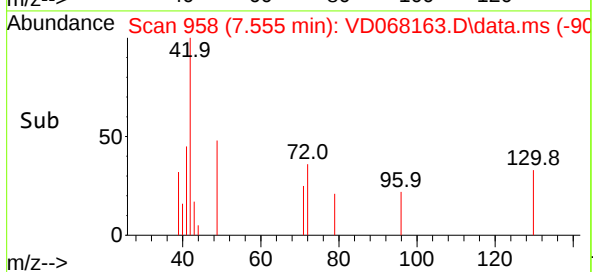
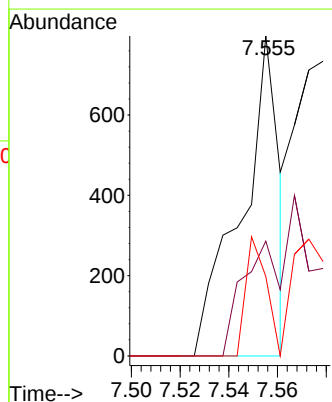
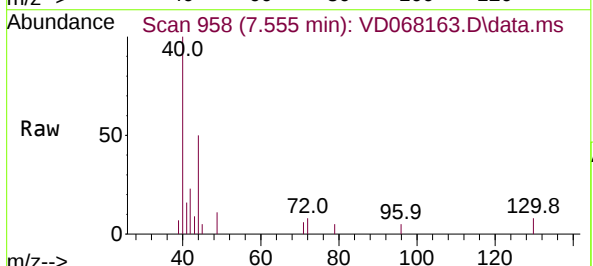
Instrument :
MSVOA_D
ClientSampled :

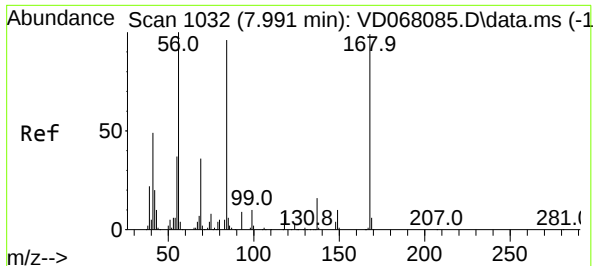
Tgt Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
72 13.6 25.1 37.7#



#29
Tetrahydrofuran
Concen: 1.24 ug/l
RT: 7.555 min Scan# 958
Delta R.T. -0.012 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

Tgt Ion: 42 Resp: 858
Ion Ratio Lower Upper
42 100
72 0.0 43.4 65.0#
71 20.4 40.8 61.2#

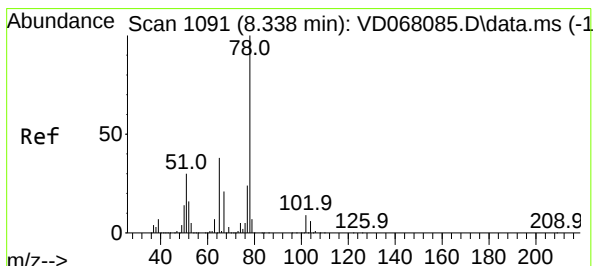
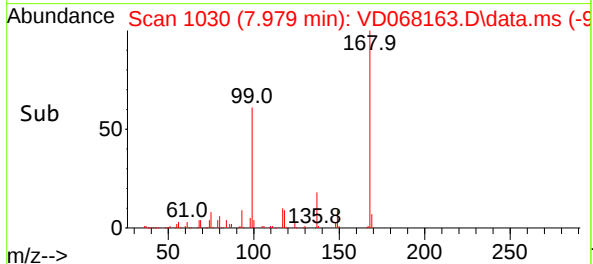
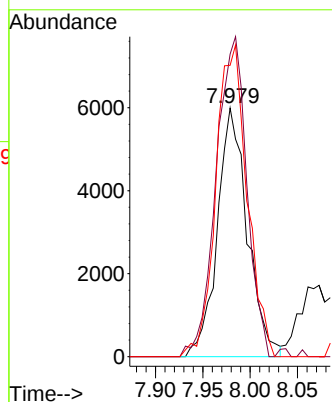
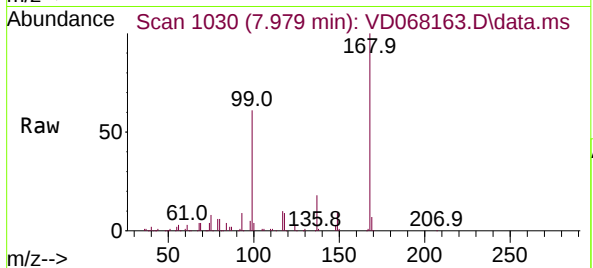




#31
Cyclohexane
Concen: 1.54 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

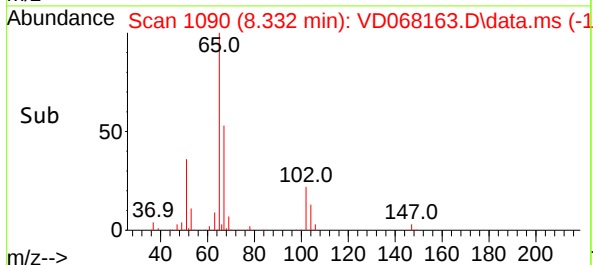
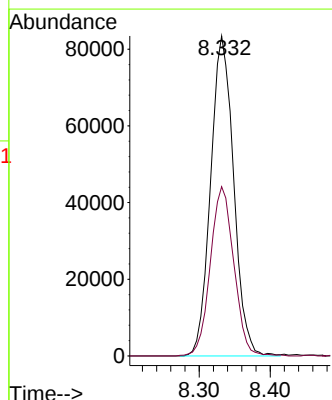
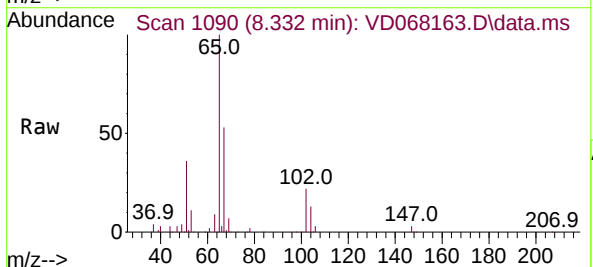
Instrument :
MSVOA_D
ClientSampled :

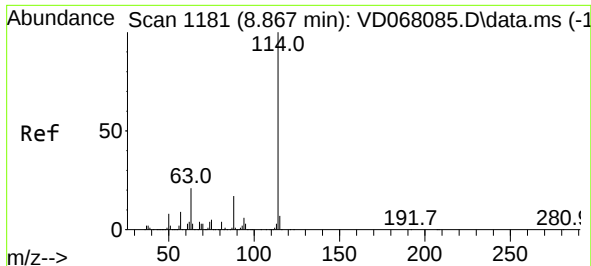
Tgt Ion: 56 Resp: 13218
Ion Ratio Lower Upper
56 100
69 121.7 30.1 45.1#
84 117.2 82.1 123.1



#33
1,2-Dichloroethane-d4
Concen: 47.31 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

Tgt Ion: 65 Resp: 187630
Ion Ratio Lower Upper
65 100
67 54.1 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: VD068163.D

Acq: 25 Jan 2021 12:09

Tgt Ion:114 Resp: 714426

Ion Ratio Lower Upper

114 100

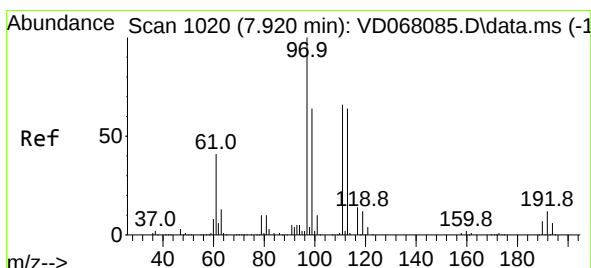
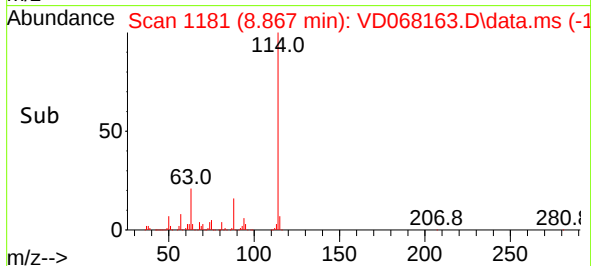
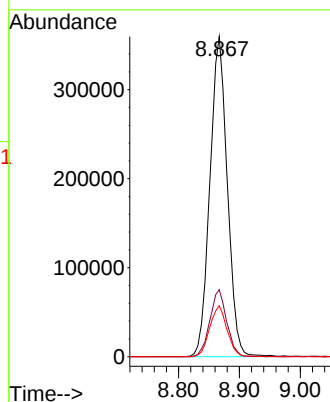
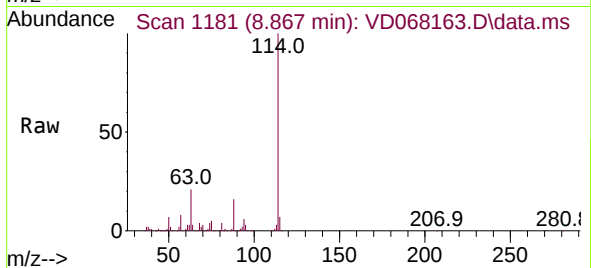
63 20.9 0.0 34.8

88 15.9 0.0 31.6

Instrument :

MSVOA_D

ClientSampled :



#35

Dibromofluoromethane

Concen: 45.90 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068163.D

Acq: 25 Jan 2021 12:09

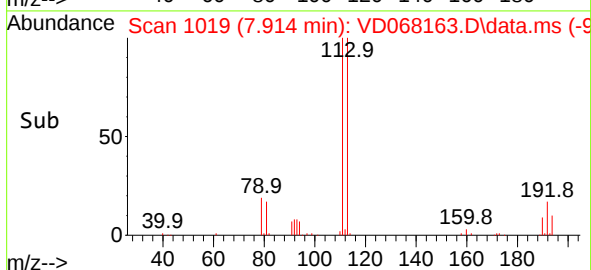
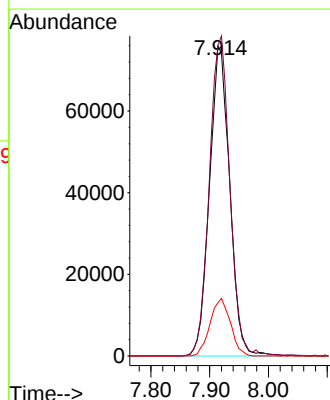
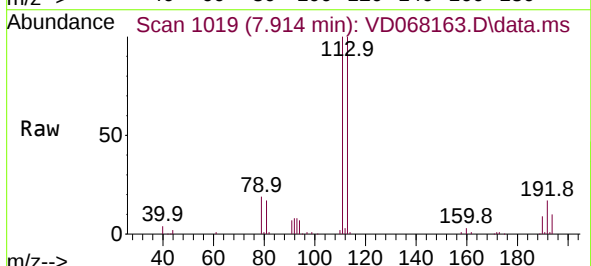
Tgt Ion:113 Resp: 181280

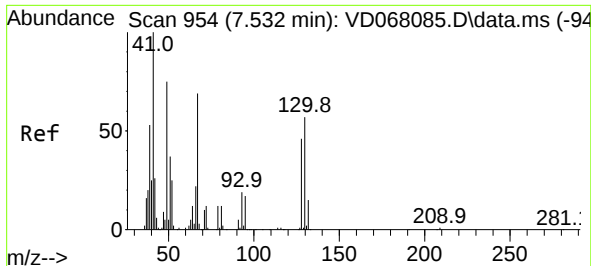
Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

192 18.7 16.1 24.1

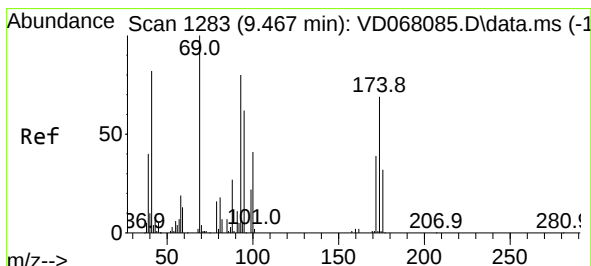
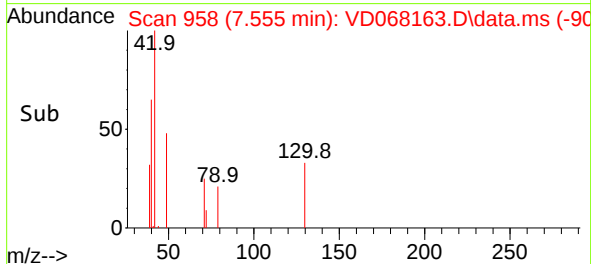
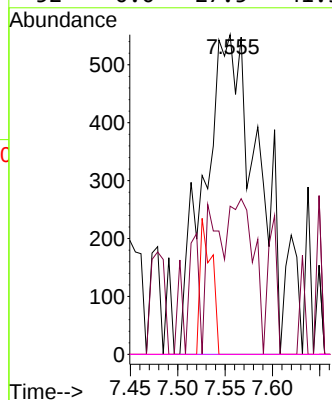
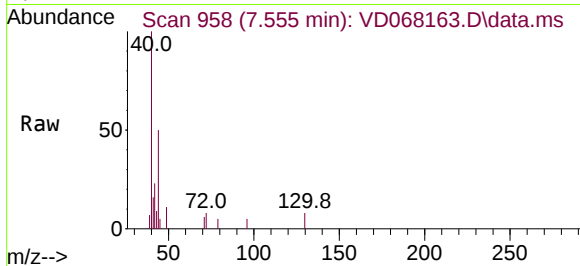




#41
Methacrylonitrile
Concen: 1.40 ug/l
RT: 7.555 min Scan# 958
Delta R.T. 0.023 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

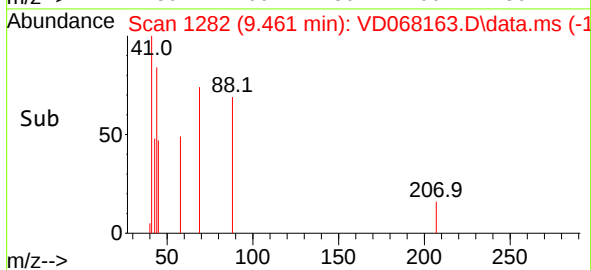
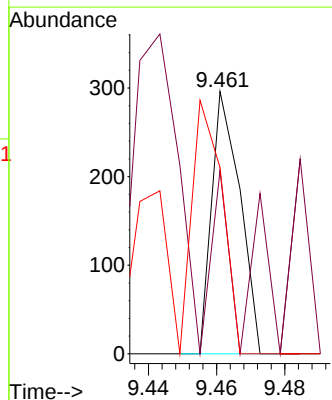
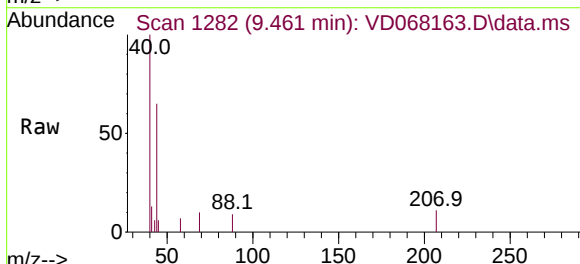
Instrument :
MSVOA_D
ClientSampled :

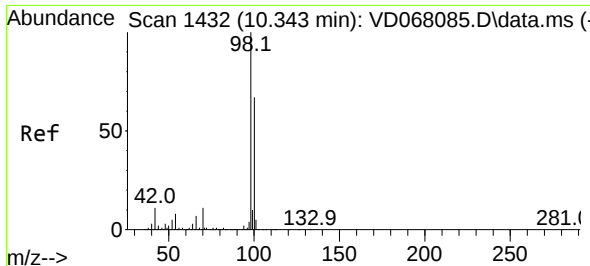
Tgt Ion: 41 Resp: 2153
Ion Ratio Lower Upper
41 100
39 22.7 45.2 67.8#
67 0.0 67.4 101.2#
52 0.0 27.5 41.3#



#49
1,4-Dioxane
Concen: 5.80 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. -0.006 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

Tgt Ion: 88 Resp: 170
Ion Ratio Lower Upper
88 100
43 37.6 22.1 33.1#
58 102.9 46.7 70.1#

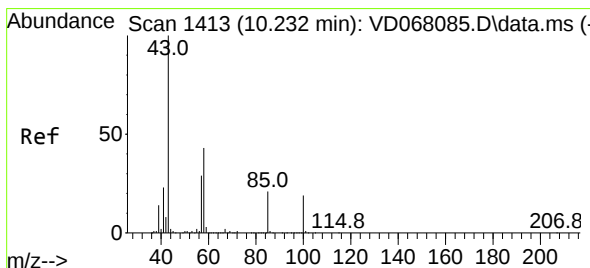
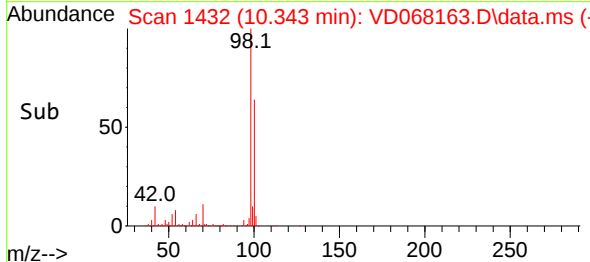
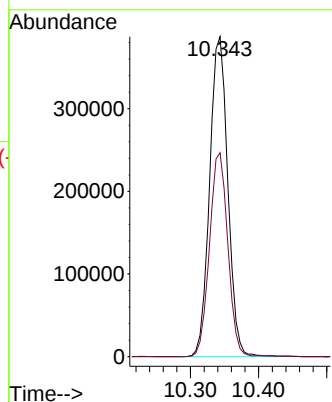
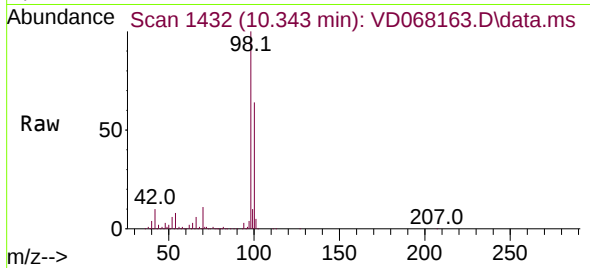




#50
Toluene-d8
Concen: 45.40 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

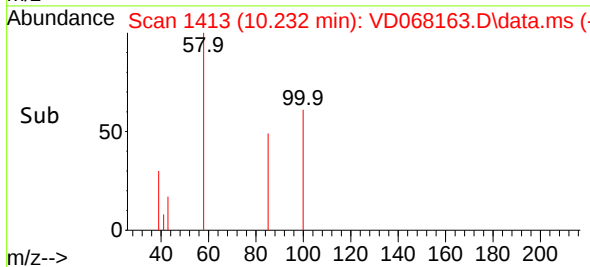
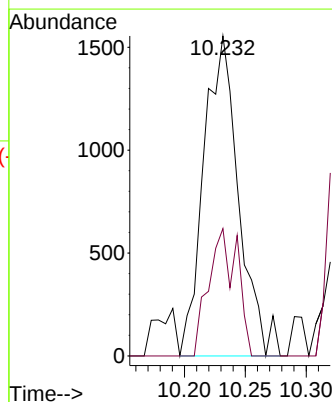
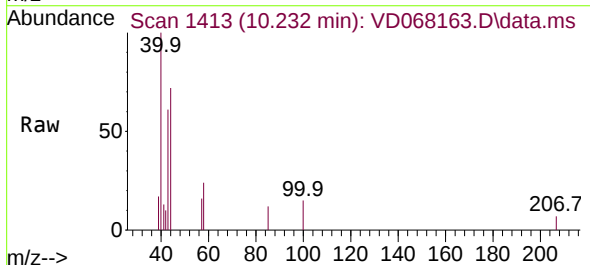
Instrument :
MSVOA_D
ClientSampled :

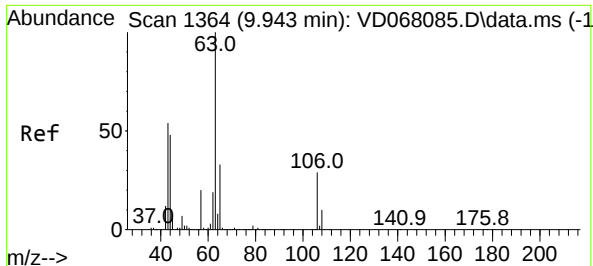
Tgt Ion: 98 Resp: 717306
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.26 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

Tgt Ion: 43 Resp: 3116
Ion Ratio Lower Upper
43 100
58 32.3 36.1 54.1#

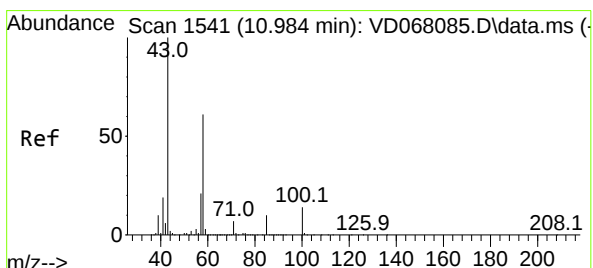
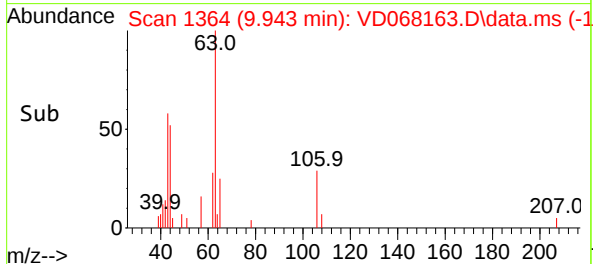
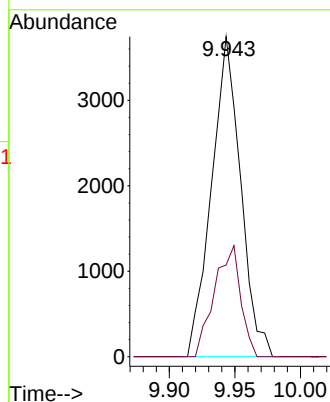
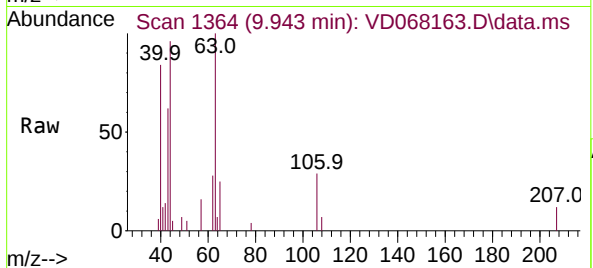




#58
2-Chloroethyl Vinyl ether
Concen: 2.65 ug/l
RT: 9.943 min Scan# 1364
Delta R.T. -0.000 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

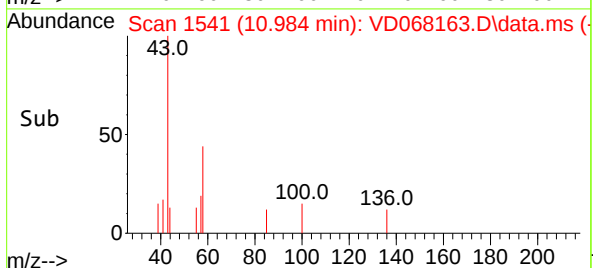
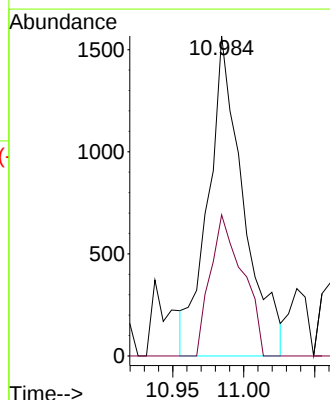
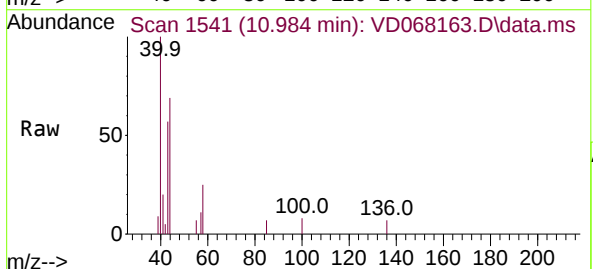
Instrument :
MSVOA_D
ClientSampled :

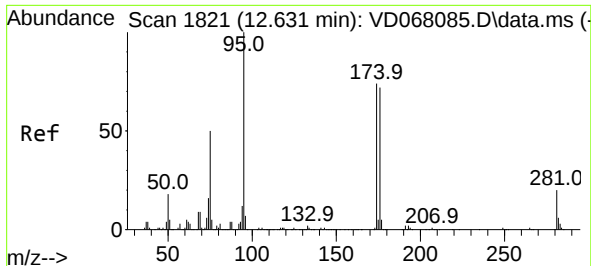
Tgt Ion: 63 Resp: 5769
Ion Ratio Lower Upper
63 100
106 31.3 27.0 40.4



#59
2-Hexanone
Concen: 1.58 ug/l
RT: 10.984 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
58 40.7 31.0 93.0

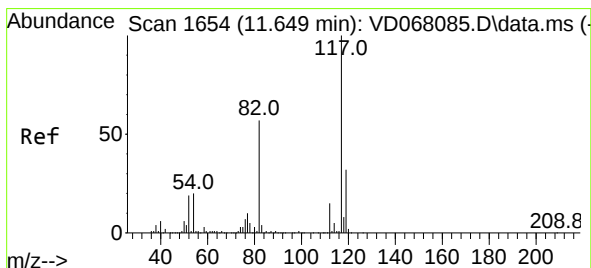
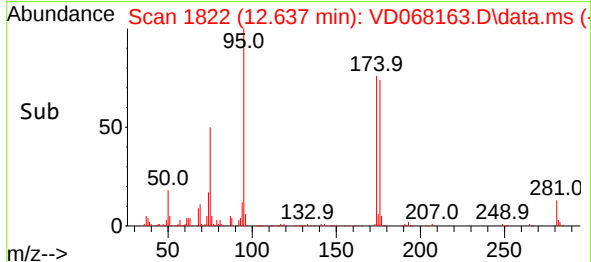
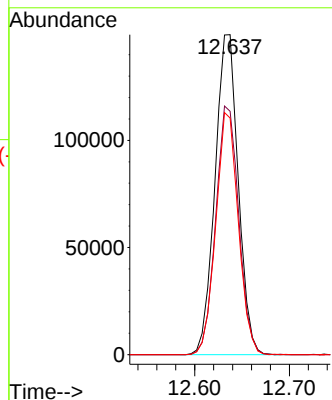
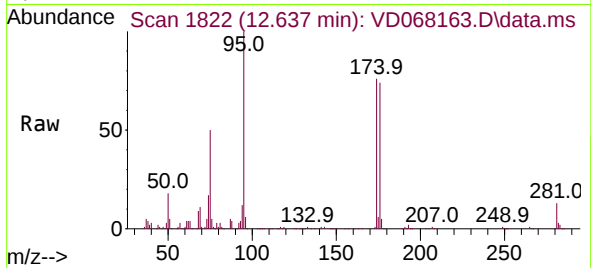




#62
4-Bromofluorobenzene
Concen: 44.77 ug/l
RT: 12.637 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

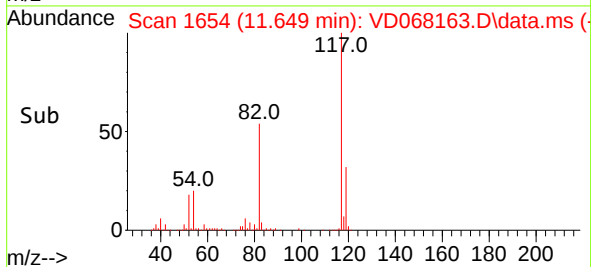
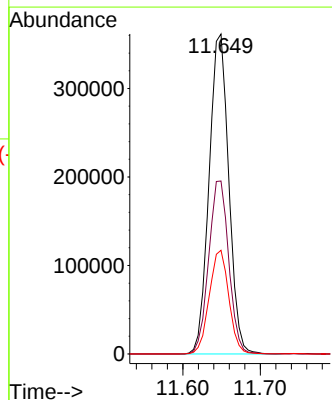
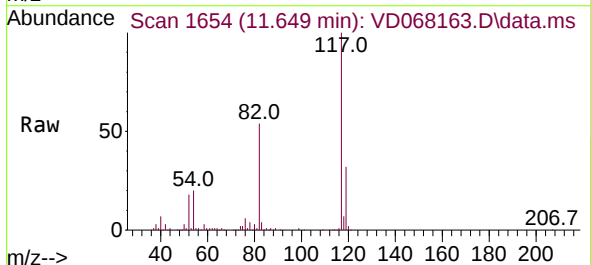
Instrument :
MSVOA_D
ClientSampleId :

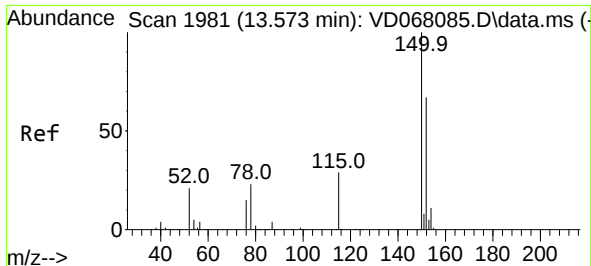
Tgt Ion: 95 Resp: 254727
Ion Ratio Lower Upper
95 100
174 77.1 0.0 172.4
176 73.4 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

Tgt Ion: 117 Resp: 639366
Ion Ratio Lower Upper
117 100
82 54.0 41.4 62.0
119 32.4 26.1 39.1

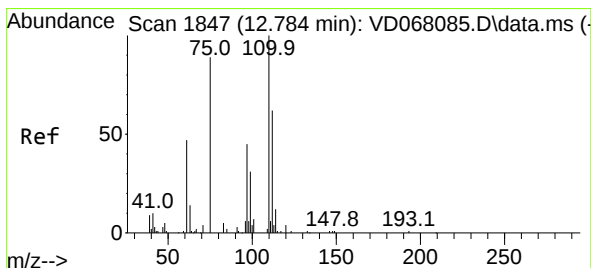
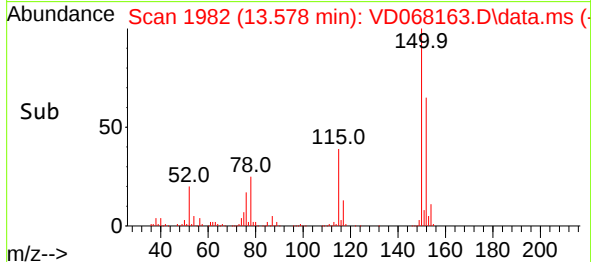
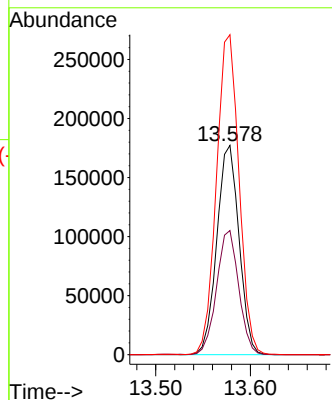
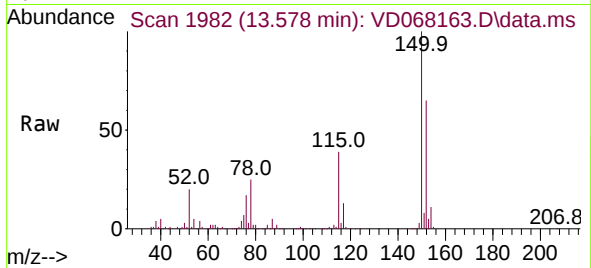




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.578 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

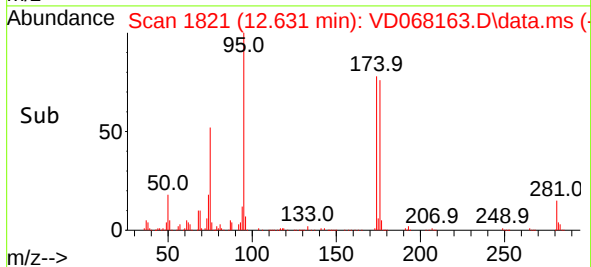
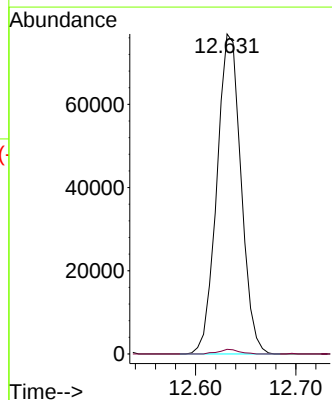
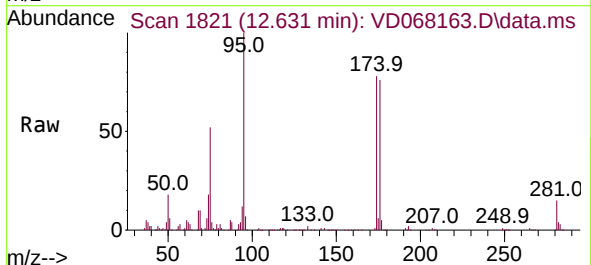
Instrument :
MSVOA_D
ClientSampleId :

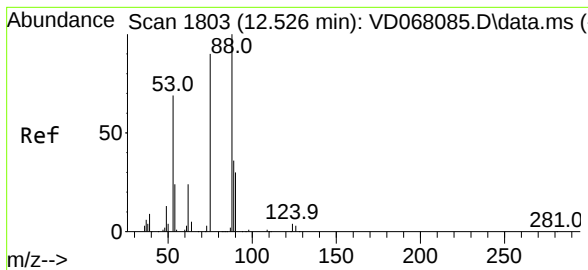
Tgt Ion:152 Resp: 288775
Ion Ratio Lower Upper
152 100
115 59.1 28.9 86.8
150 155.3 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 46.05 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068163.D
Acq: 25 Jan 2021 12:09

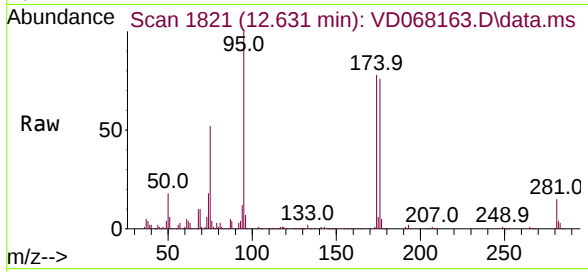
Tgt Ion: 75 Resp: 128588
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.19 ug/l
 RT: 12.631 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068163.D
 Acq: 25 Jan 2021 12:09

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 128588
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.1 40.3 60.5#

