

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123020\
 Data File : VD067971.D
 Acq On : 30 Dec 2020 12:31
 Operator : VA/SY
 Sample : VD1230SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 31 00:13:46 2020
 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	255987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	511819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	481773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	203190	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	178426	64.55	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.10%
35) Dibromofluoromethane	7.914	113	180541	55.98	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.96%
50) Toluene-d8	10.338	98	651395	53.74	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.48%
62) 4-Bromofluorobenzene	12.632	95	199305	48.07	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.14%

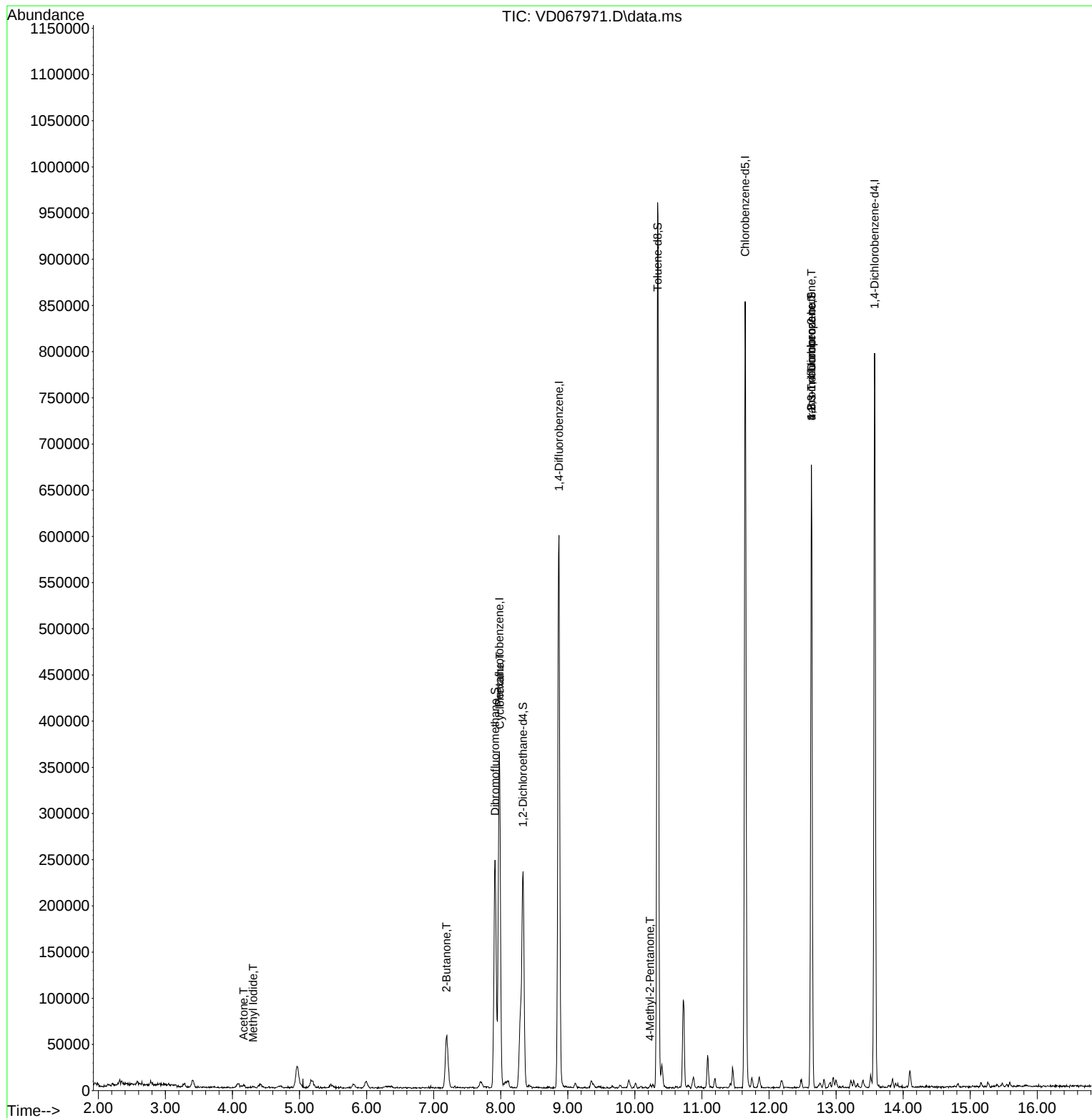
Target Compounds						Qvalue
5) Bromomethane	2.779	94	2127	Below Cal	#	71
10) Methyl Iodide	4.309	142	1605	4.35	ug/l #	62
11) Tert butyl alcohol	5.173	59	4751	Below Cal	#	74
16) Acetone	4.167	43	4923	9.33	ug/l #	69
20) Methylene Chloride	4.962	84	17401	Below Cal		92
25) 2-Butanone	7.191	43	3763	4.83	ug/l #	87
31) Cyclohexane	7.985	56	9304	1.65	ug/l #	44
51) 4-Methyl-2-Pentanone	10.226	43	2395	1.14	ug/l #	86
76) 1,2,3-Trichloropropane	12.632	75	105129	61.45	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	105129	125.97	ug/l #	13

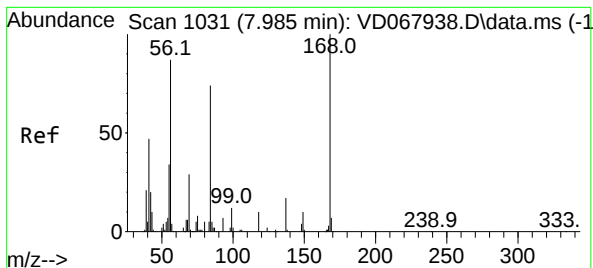
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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Quant Time: Dec 31 00:13:46 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
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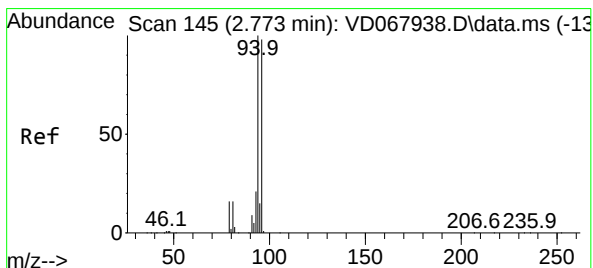
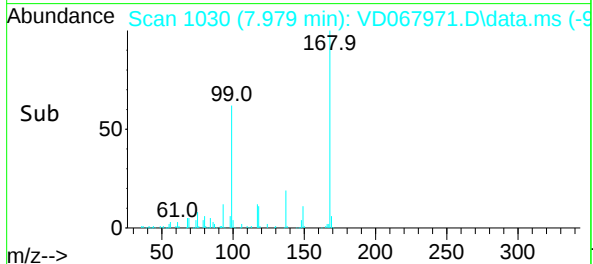
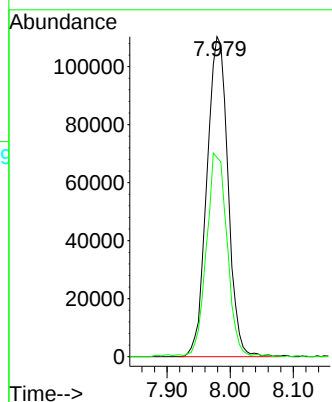
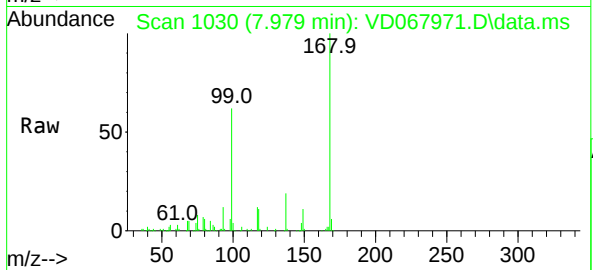




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

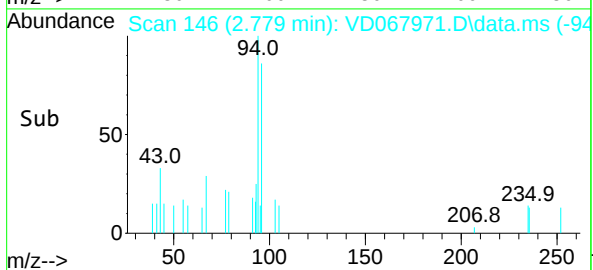
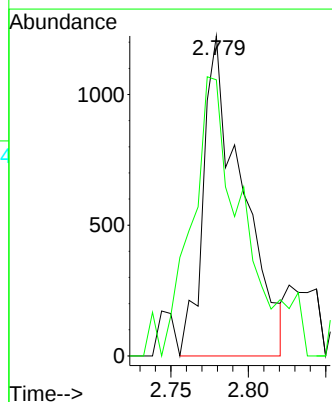
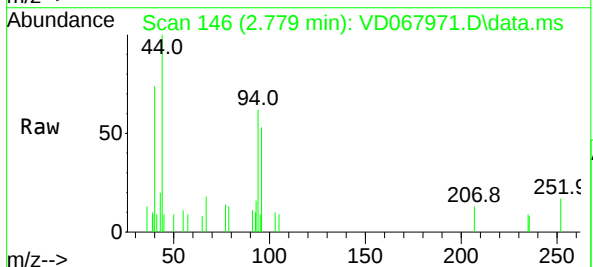
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 255987
Ion Ratio Lower Upper
168 100
99 62.0 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.006 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

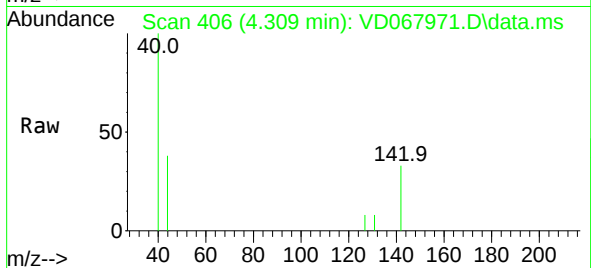
Tgt Ion: 94 Resp: 2127
Ion Ratio Lower Upper
94 100
96 68.7 78.0 117.0#



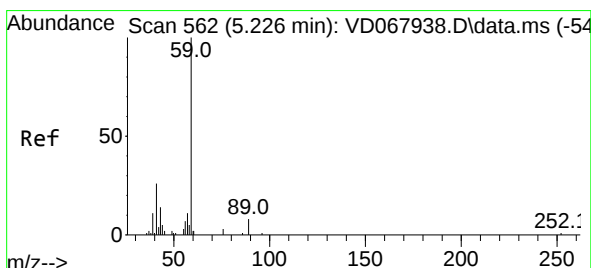
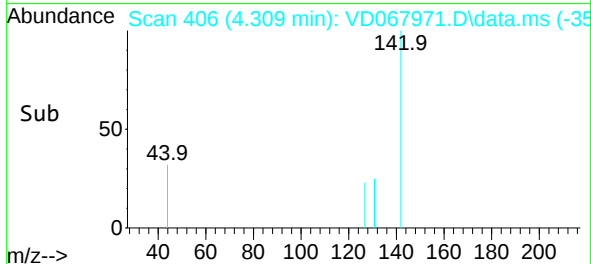
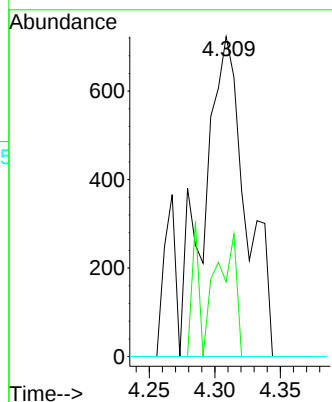


#10
Methyl Iodide
Concen: 4.35 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Instrument :
MSVOA_D
ClientSampled :

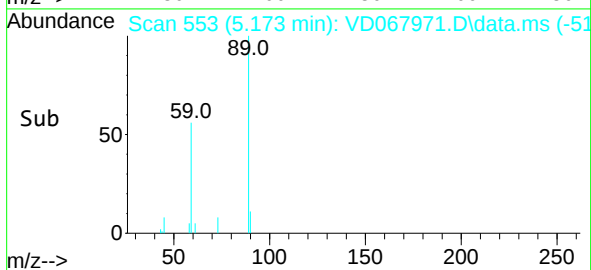
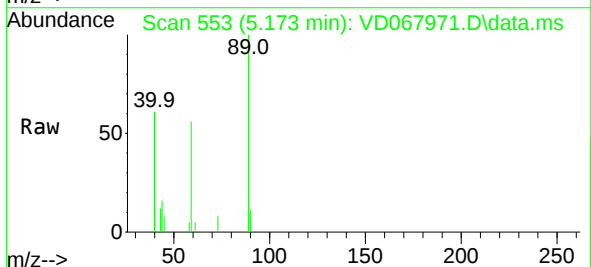
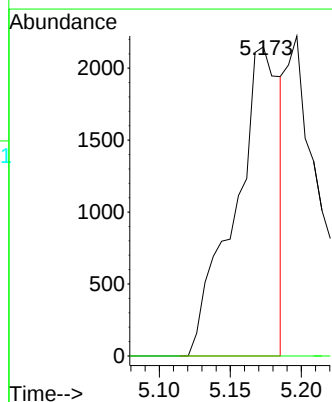


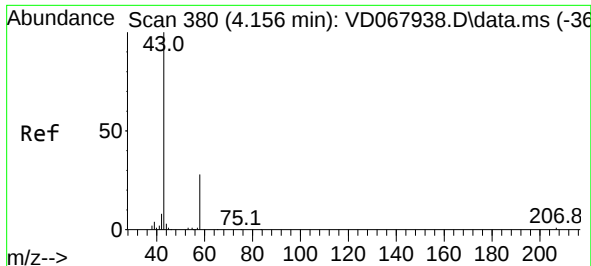
Tgt Ion:142 Resp: 1605
Ion Ratio Lower Upper
142 100
127 18.3 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 553
Delta R.T. -0.053 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Tgt Ion: 59 Resp: 4751
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

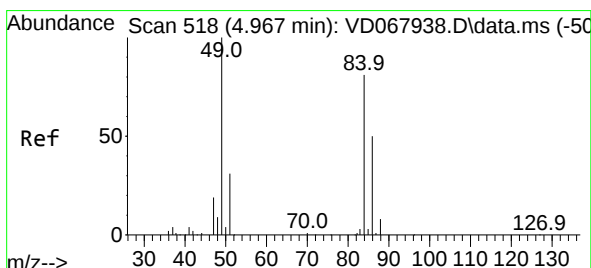
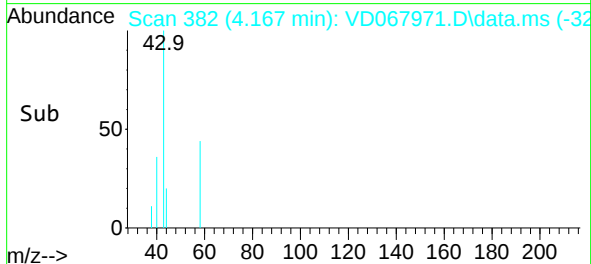
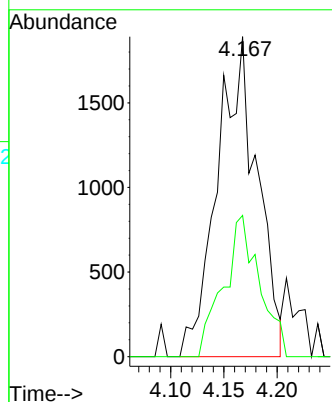
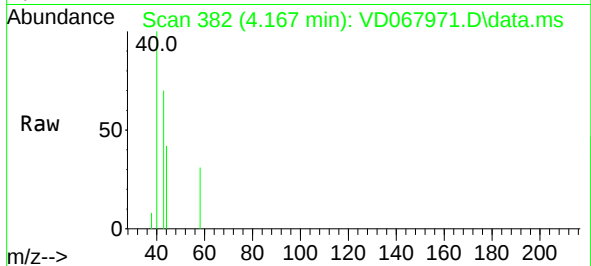




#16
Acetone
Concen: 9.33 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

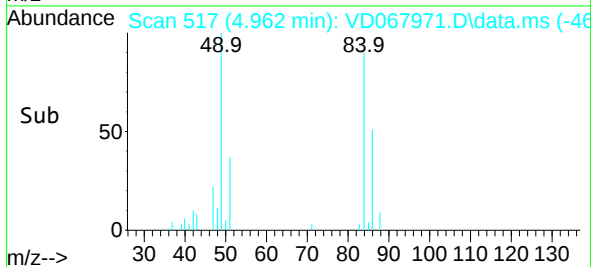
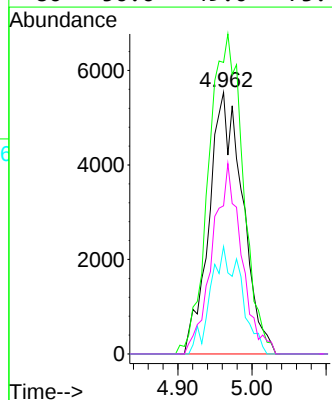
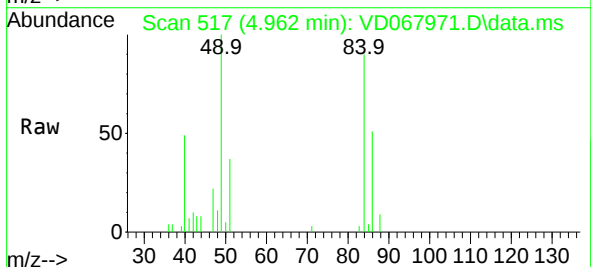
Instrument :
MSVOA_D
ClientSampleId :

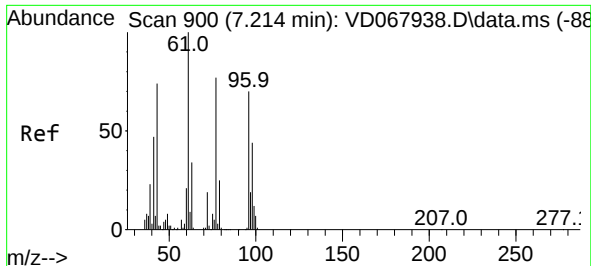
Tgt Ion: 43 Resp: 4923
Ion Ratio Lower Upper
43 100
58 44.2 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

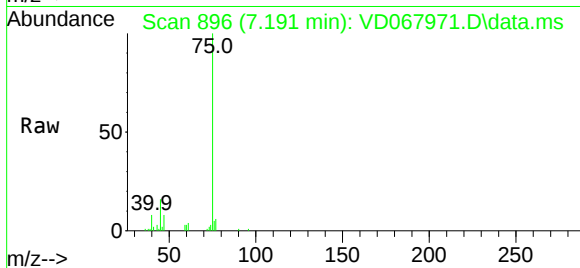
Tgt Ion: 84 Resp: 17401
Ion Ratio Lower Upper
84 100
49 111.4 98.3 147.5
51 41.1 30.3 45.5
86 56.6 49.0 73.4



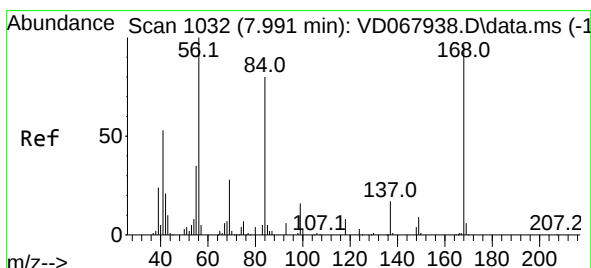
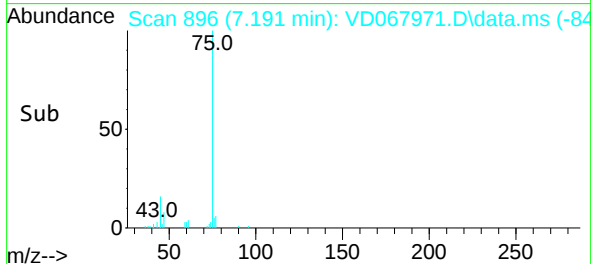
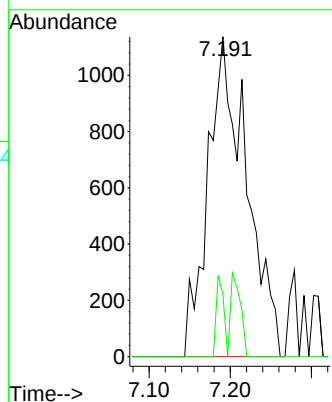


#25
2-Butanone
Concen: 4.83 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.023 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :

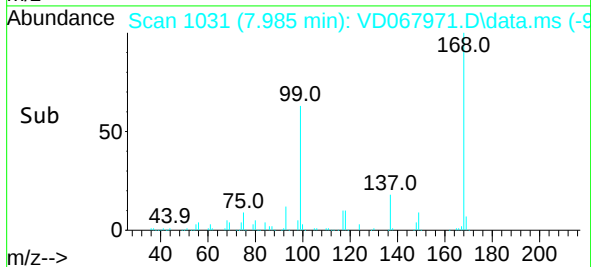
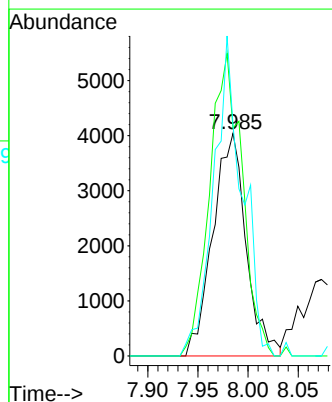
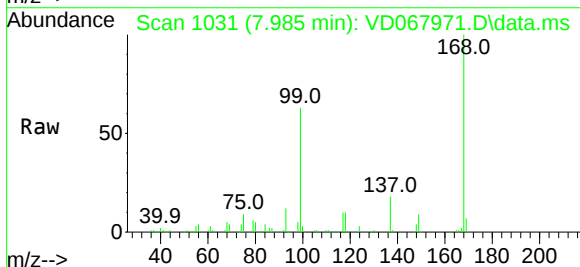


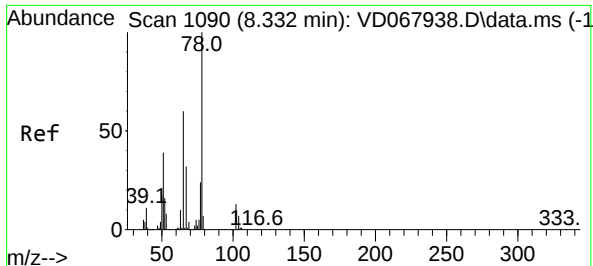
Tgt Ion: 43 Resp: 3763
Ion Ratio Lower Upper
43 100
72 19.4 20.8 31.2#



#31
Cyclohexane
Concen: 1.65 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Tgt Ion: 56 Resp: 9304
Ion Ratio Lower Upper
56 100
69 102.4 22.7 34.1#
84 103.9 64.2 96.4#

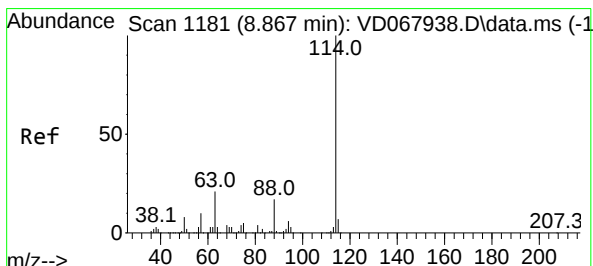
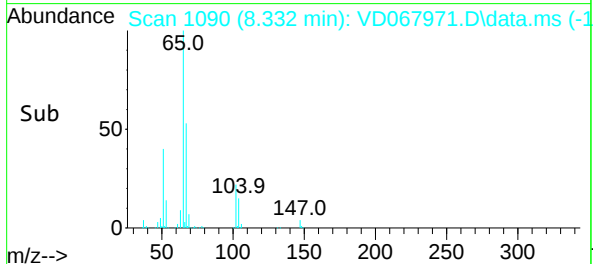
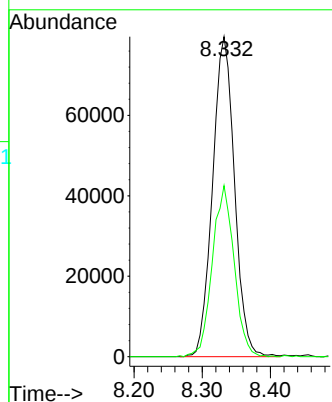
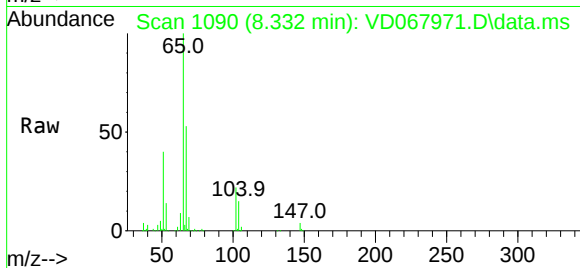




#33
1,2-Dichloroethane-d4
Concen: 64.55 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

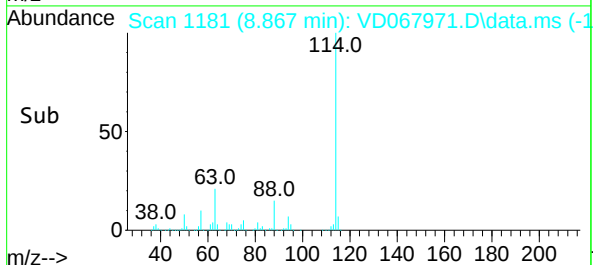
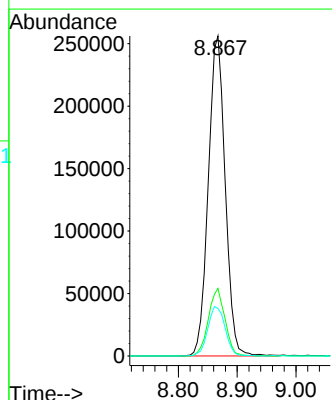
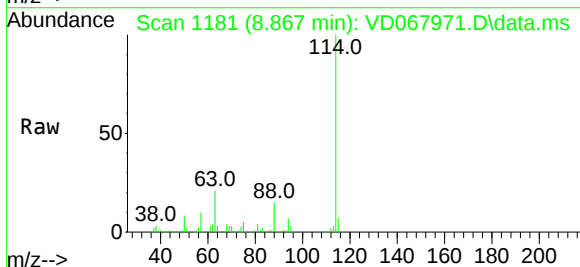
Instrument :
MSVOA_D
ClientSampled :

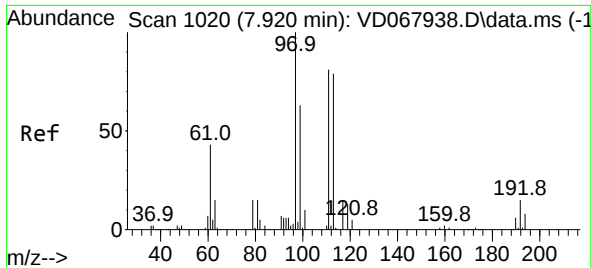
Tgt Ion: 65 Resp: 178426
Ion Ratio Lower Upper
65 100
67 53.1 0.0 110.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Tgt Ion: 114 Resp: 511819
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.4
88 14.8 0.0 33.2

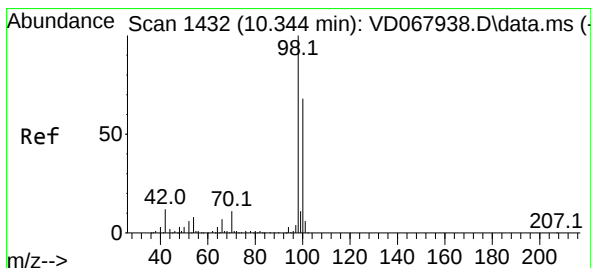
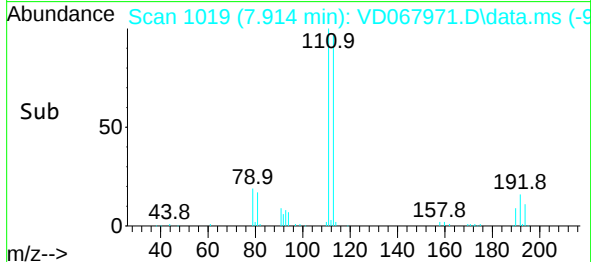
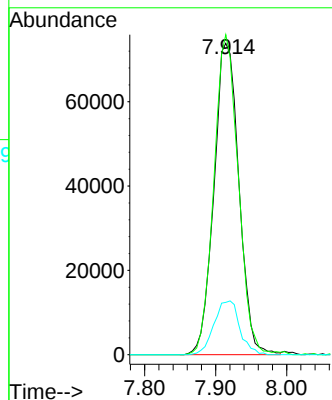
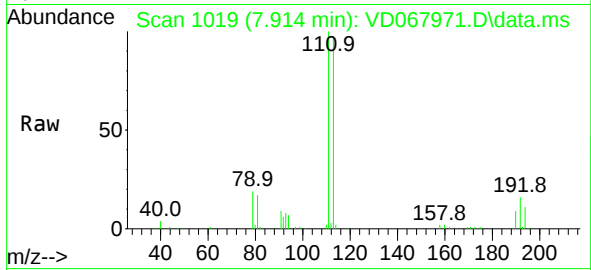




#35
Dibromofluoromethane
Concen: 55.98 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

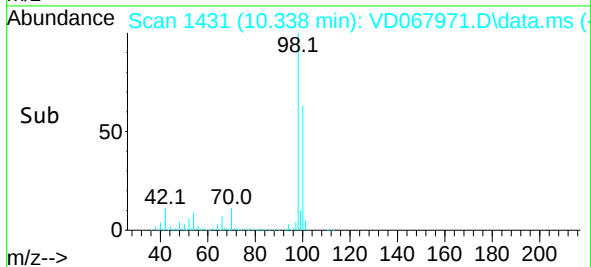
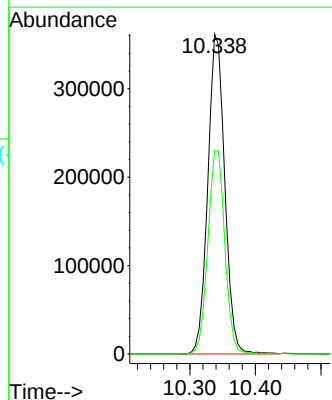
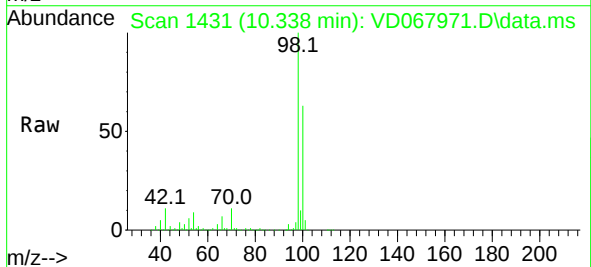
Instrument :
MSVOA_D
ClientSampleId :

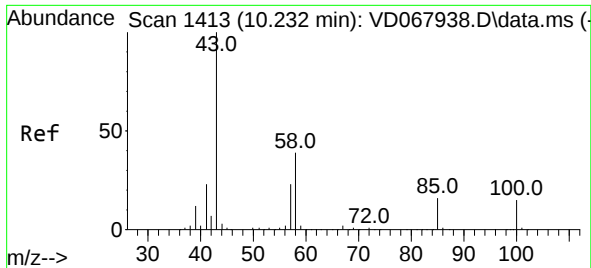
Tgt Ion:113 Resp: 180541
Ion Ratio Lower Upper
113 100
111 99.9 79.3 118.9
192 17.7 14.5 21.7



#50
Toluene-d8
Concen: 53.74 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Tgt Ion: 98 Resp: 651395
Ion Ratio Lower Upper
98 100
100 63.7 52.5 78.7

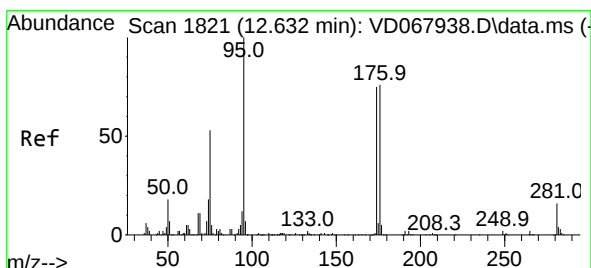
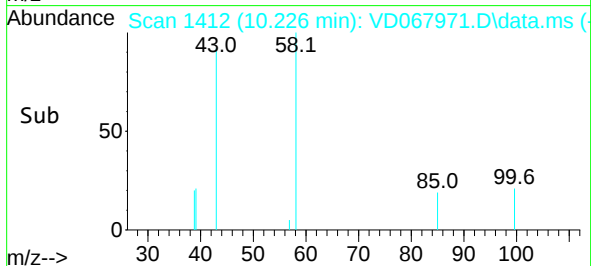
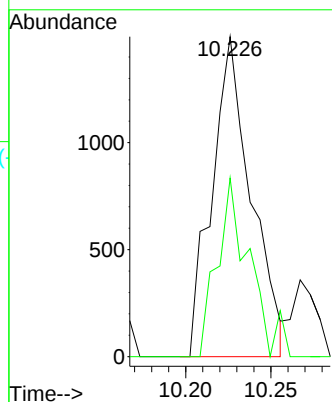
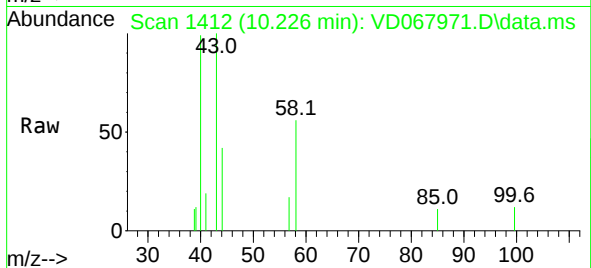




#51
4-Methyl-2-Pentanone
Concen: 1.14 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

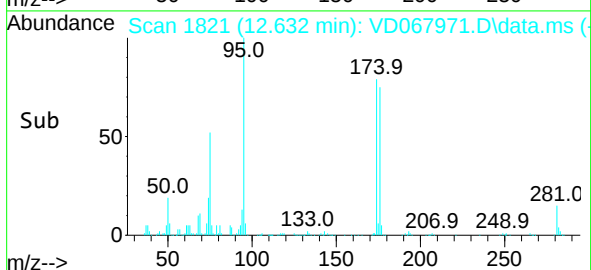
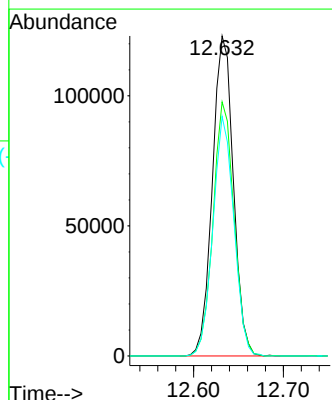
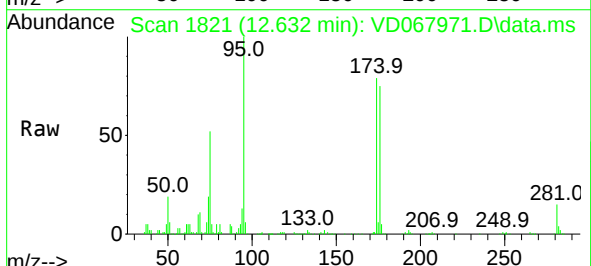
Instrument :
MSVOA_D
ClientSampled :

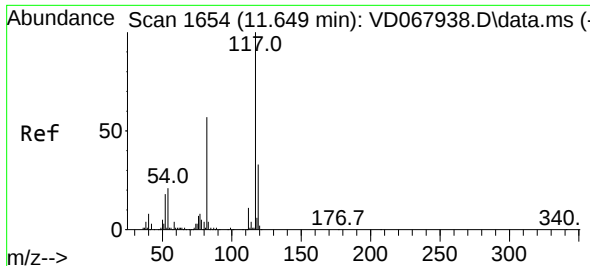
Tgt Ion: 43 Resp: 2395
Ion Ratio Lower Upper
43 100
58 46.1 30.0 45.0#



#62
4-Bromofluorobenzene
Concen: 48.07 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Tgt Ion: 95 Resp: 199305
Ion Ratio Lower Upper
95 100
174 79.5 0.0 150.6
176 74.9 0.0 151.2

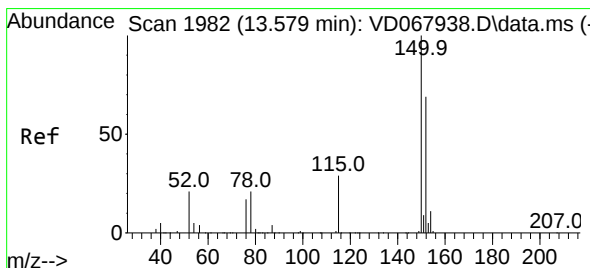
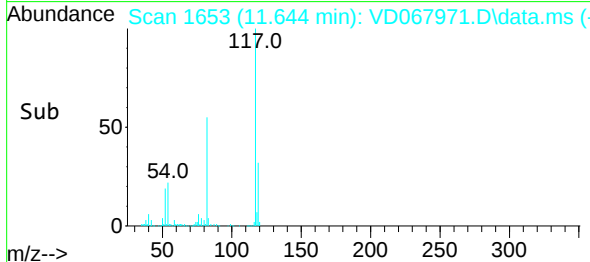
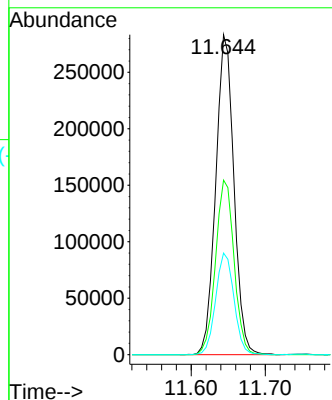
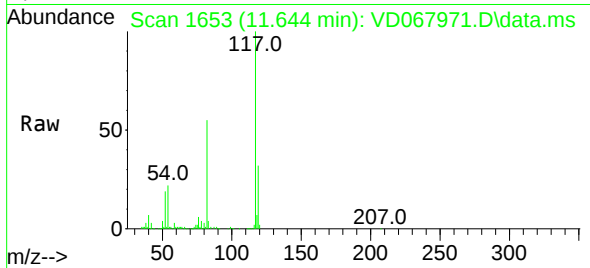




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

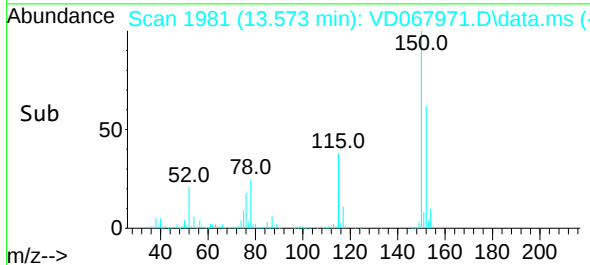
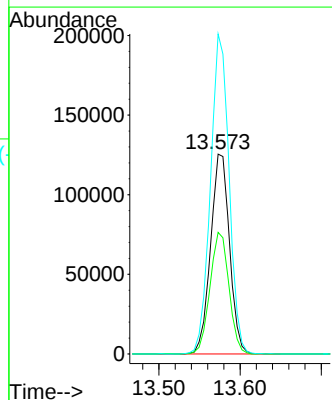
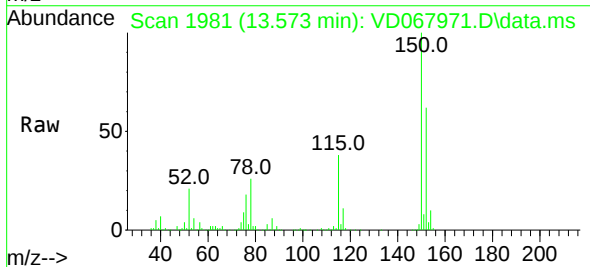
Instrument :
MSVOA_D
ClientSampleId :

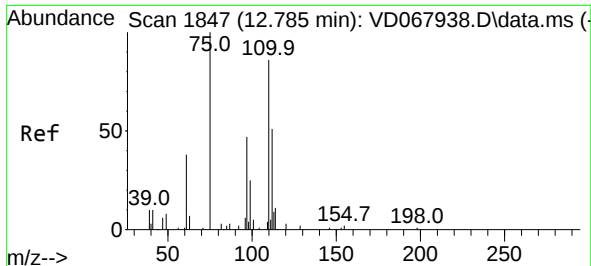
Tgt Ion:117 Resp: 481773
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 31.8 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Tgt Ion:152 Resp: 203190
Ion Ratio Lower Upper
152 100
115 61.0 29.3 88.0
150 157.1 0.0 340.0

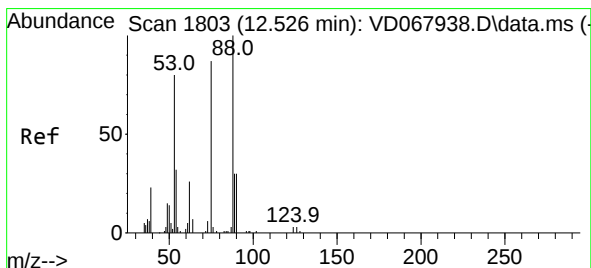
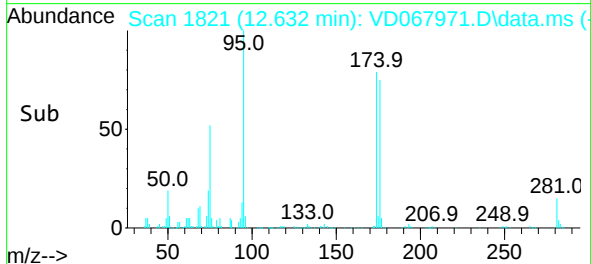
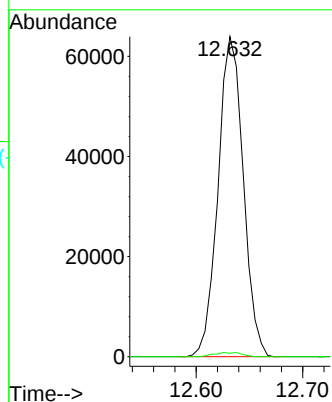
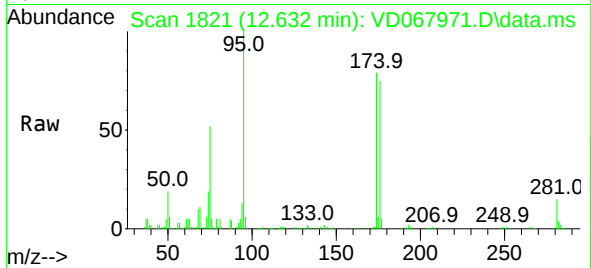




#76
1,2,3-Trichloropropane
Concen: 61.45 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 105129
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.97 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD067971.D
Acq: 30 Dec 2020 12:31

Tgt Ion: 75 Resp: 105129
Ion Ratio Lower Upper
75 100
53 0.2 74.9 112.3#
89 0.3 33.8 50.8#

