

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
 Data File : VD068302.D
 Acq On : 05 Feb 2021 15:52
 Operator : VA/SY
 Sample : M1315-03
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 05 21:42:45 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)

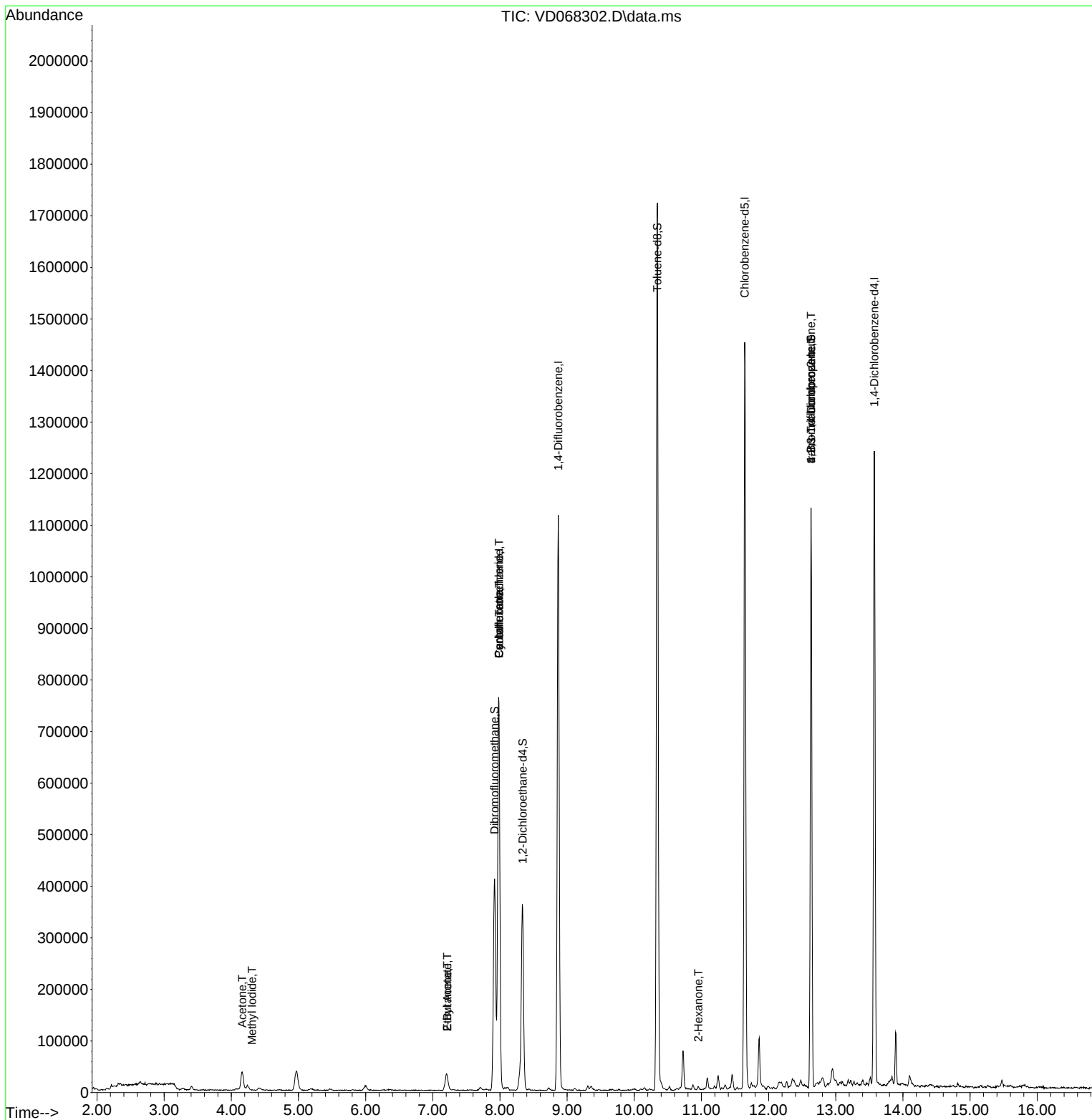
Internal Standards						
1) Pentafluorobenzene	7.985	168	589248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1015302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	880061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	342020	50.00	ug/l	0.00

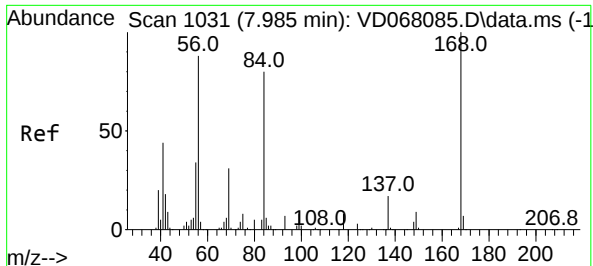
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	291041	51.63	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.26%
35) Dibromofluoromethane	7.920	113	301064	53.64	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.28%
50) Toluene-d8	10.344	98	1236694	55.08	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.16%
62) 4-Bromofluorobenzene	12.632	95	366806	45.37	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.74%

Target Compounds					Qvalue
10) Methyl Iodide	4.309	142	683	3.25 ug/l #	53
11) Tert butyl alcohol	5.185	59	3001	Below Cal #	74
16) Acetone	4.162	43	64079	63.67 ug/l	94
25) 2-Butanone	7.214	43	14131	9.32 ug/l	95
31) Cyclohexane	7.985	56	14980	1.23 ug/l #	24
37) Ethyl Acetate	7.214	43	14131	3.90 ug/l #	82
38) Carbon Tetrachloride	7.985	117	58164	6.07 ug/l #	16
59) 2-Hexanone	10.955	43	2462	1.01 ug/l #	19
76) 1,2,3-Trichloropropane	12.632	75	181582	54.91 ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	181582	111.11 ug/l #	14

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

Quant Time: Feb 05 21:42:45 2021
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Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

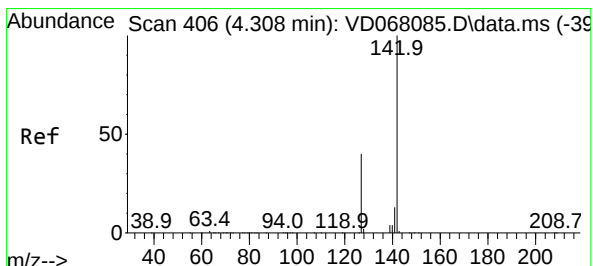
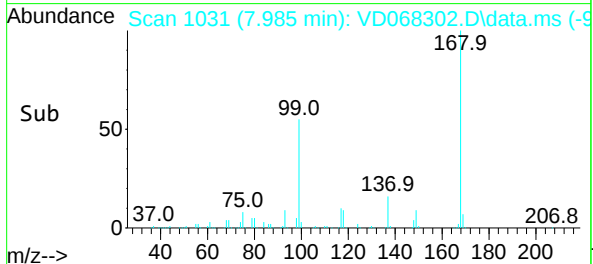
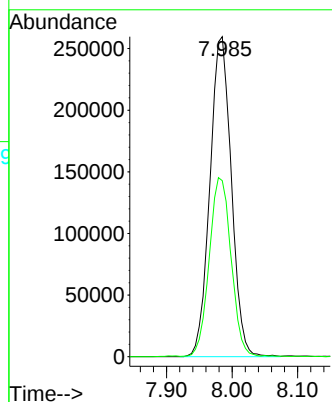
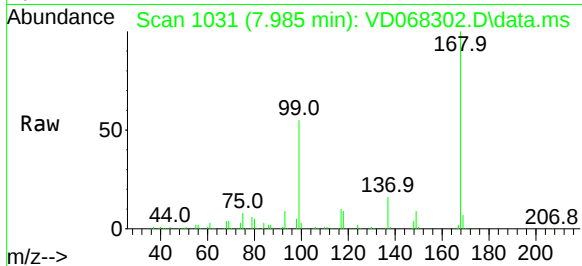




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

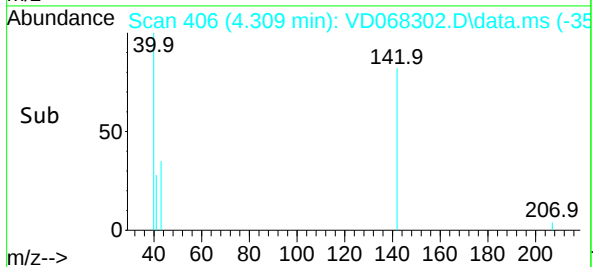
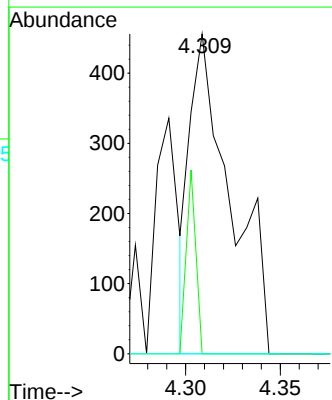
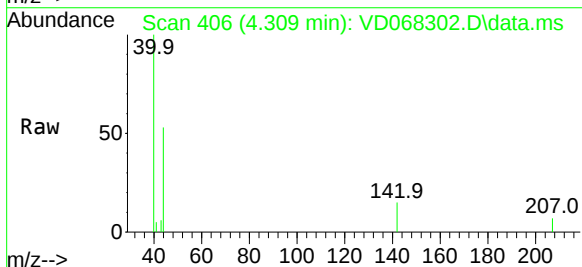
Instrument :
MSVOA_D
ClientSampled :

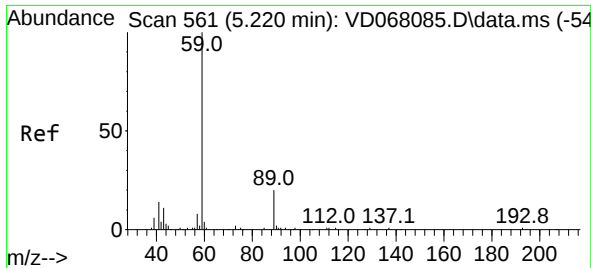
Tgt Ion:168 Resp: 589248
Ion Ratio Lower Upper
168 100
99 54.9 43.5 65.3



#10
Methyl Iodide
Concen: 3.25 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

Tgt Ion:142 Resp: 683
Ion Ratio Lower Upper
142 100
127 13.5 37.9 56.9#
141 0.0 11.5 17.3#

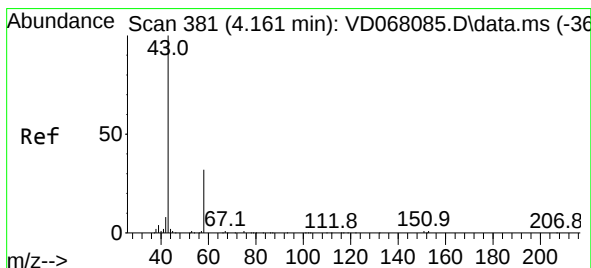
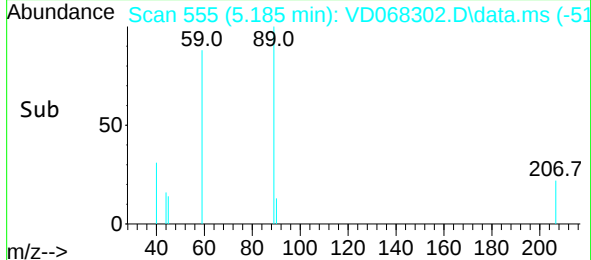
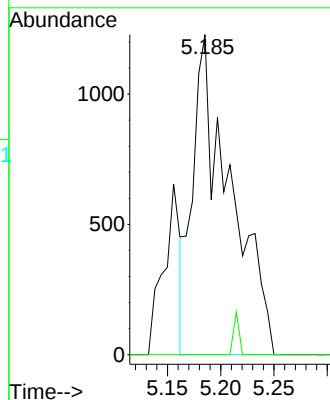
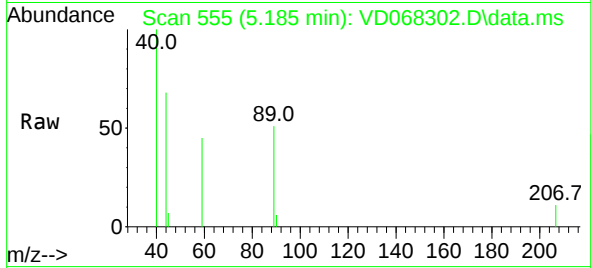




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

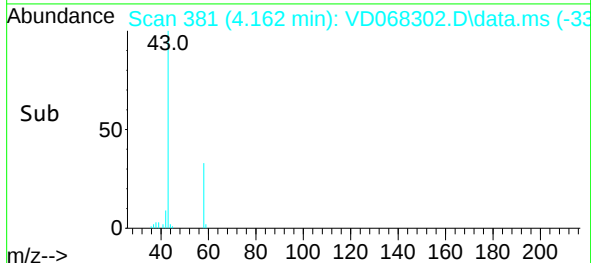
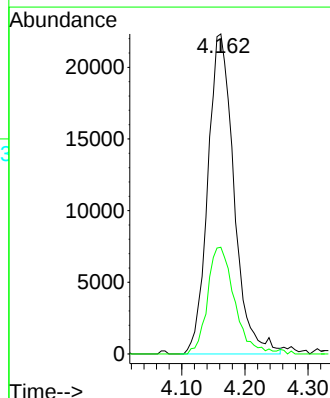
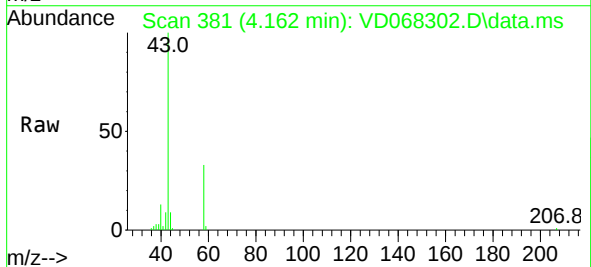
Instrument :
MSVOA_D
ClientSampled :

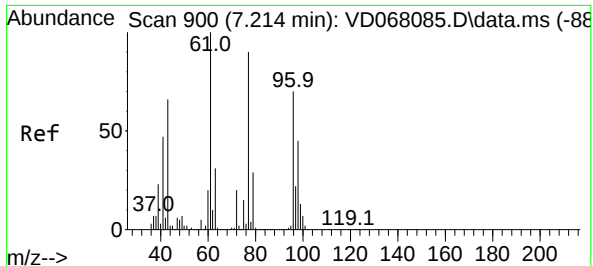
Tgt Ion: 59 Resp: 3001
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 63.67 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

Tgt Ion: 43 Resp: 64079
Ion Ratio Lower Upper
43 100
58 33.4 24.2 36.4

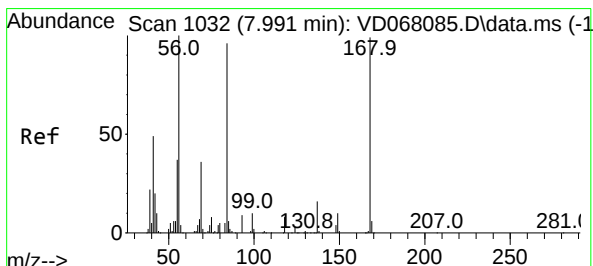
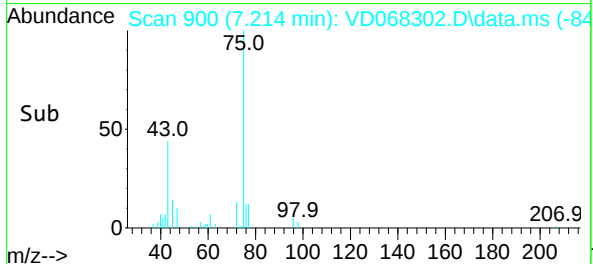
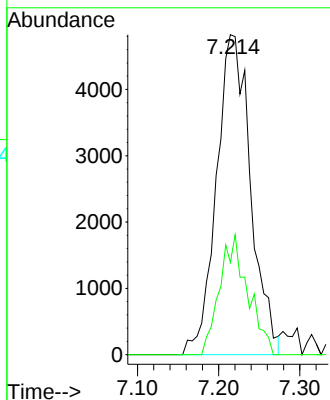
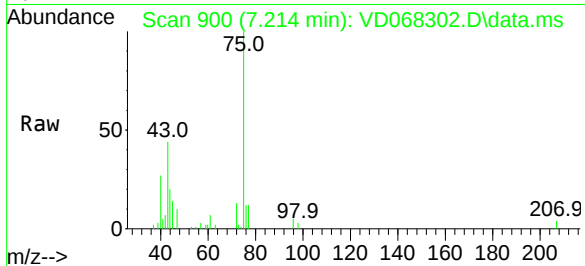




#25
2-Butanone
Concen: 9.32 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

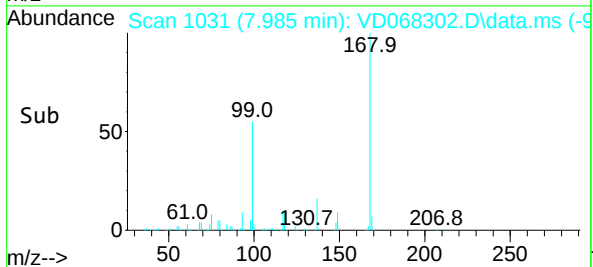
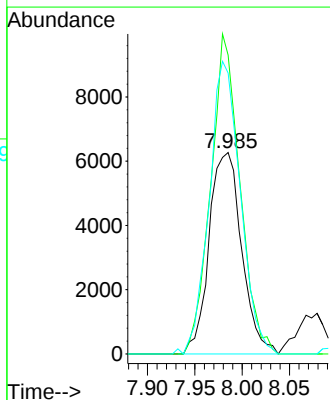
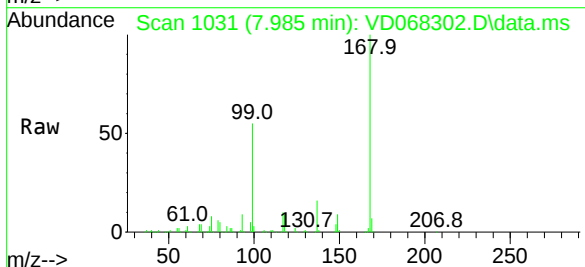
Instrument :
MSVOA_D
ClientSampled :

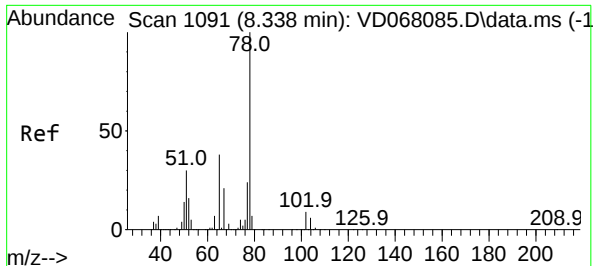
Tgt Ion: 43 Resp: 14131
Ion Ratio Lower Upper
43 100
72 28.8 25.1 37.7



#31
Cyclohexane
Concen: 1.23 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.005 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

Tgt Ion: 56 Resp: 14980
Ion Ratio Lower Upper
56 100
69 148.3 30.1 45.1#
84 139.4 82.1 123.1#

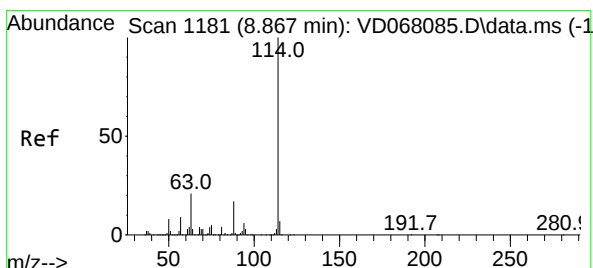
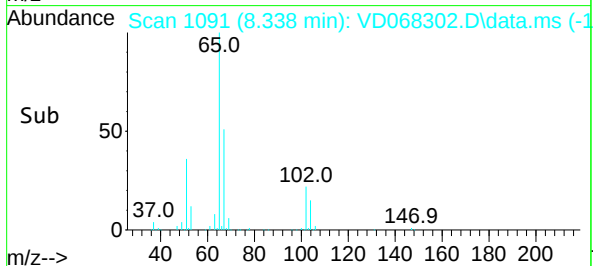
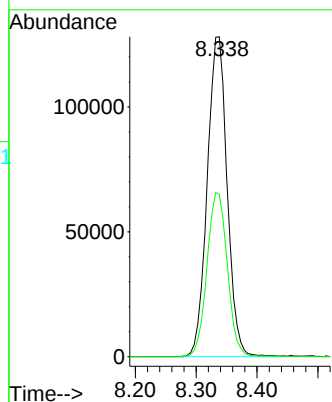
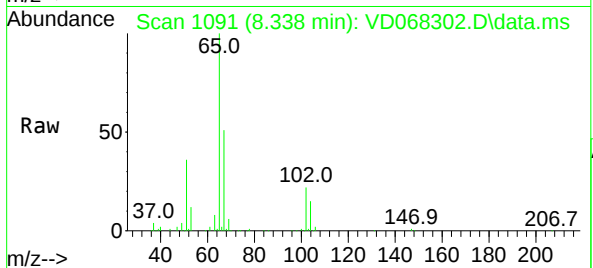




#33
1,2-Dichloroethane-d4
Concen: 51.63 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

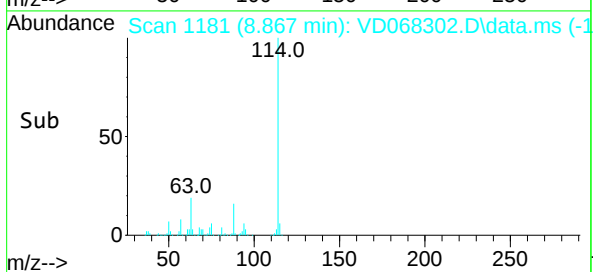
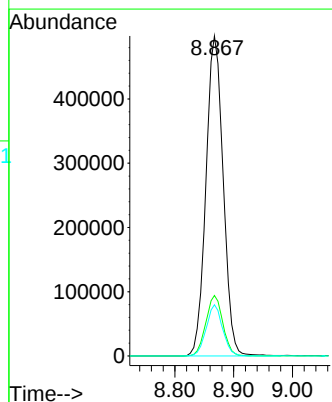
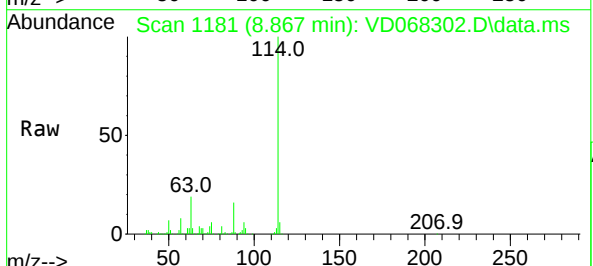
Instrument :
MSVOA_D
ClientSampled :

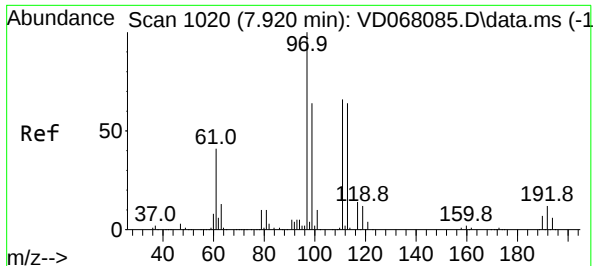
Tgt Ion: 65 Resp: 291041
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

Tgt Ion: 114 Resp: 1015302
Ion Ratio Lower Upper
114 100
63 18.9 0.0 34.8
88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.64 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068302.D

Acq: 05 Feb 2021 15:52

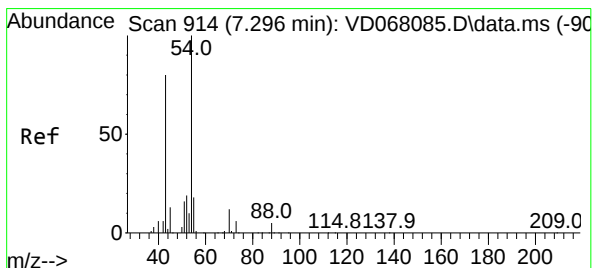
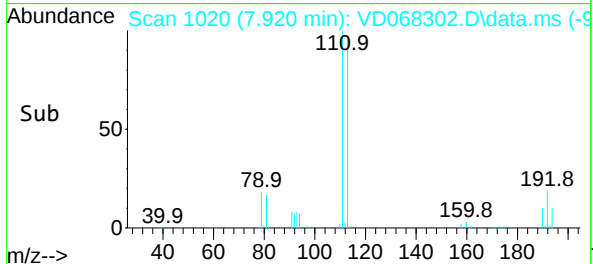
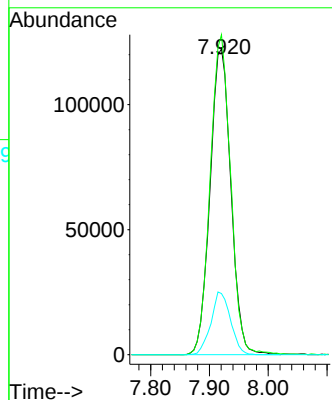
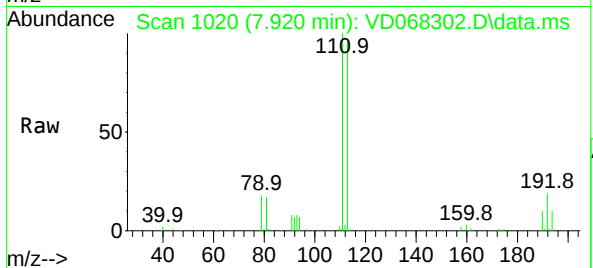
Tgt Ion:113 Resp: 301064

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

192 19.2 16.1 24.1



#37

Ethyl Acetate

Concen: 3.90 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.082 min

Lab File: VD068302.D

Acq: 05 Feb 2021 15:52

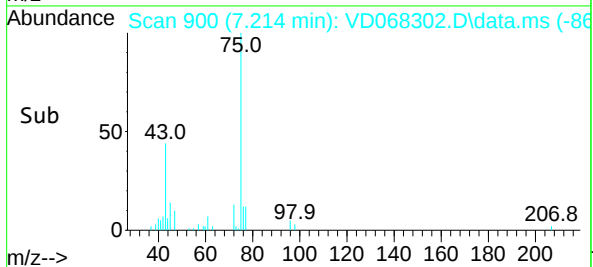
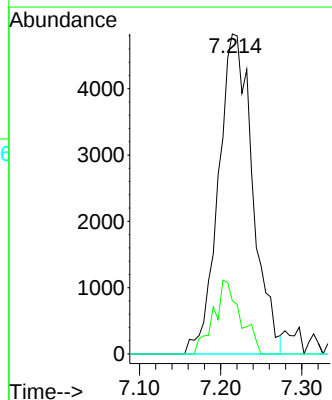
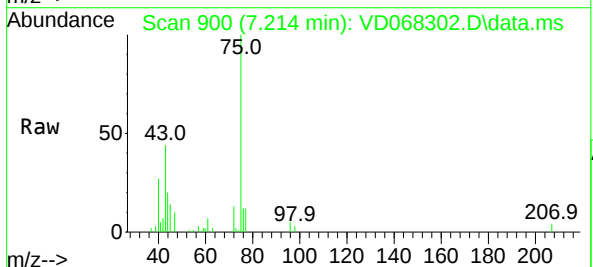
Tgt Ion: 43 Resp: 14131

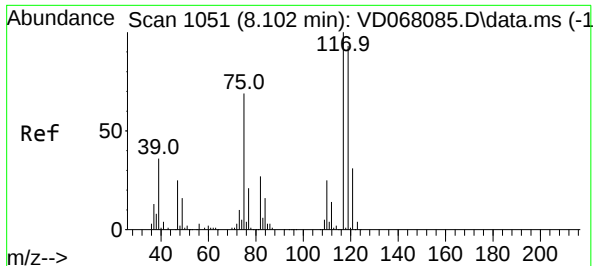
Ion Ratio Lower Upper

43 100

61 18.0 12.9 19.3

70 0.0 11.0 16.6#

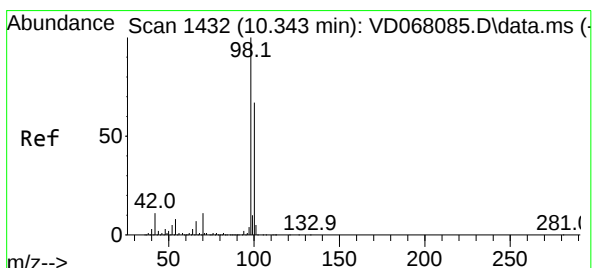
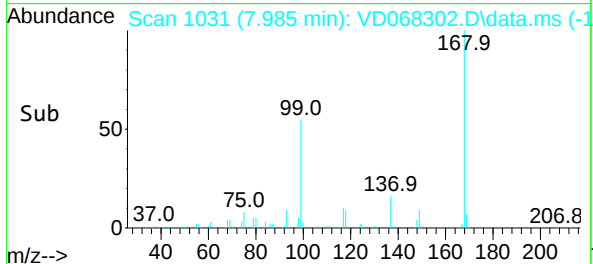
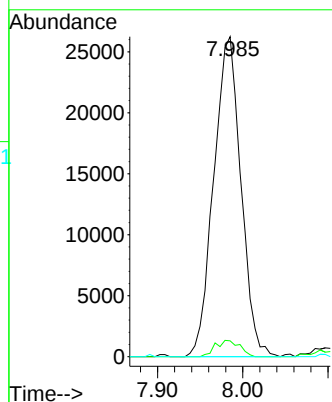
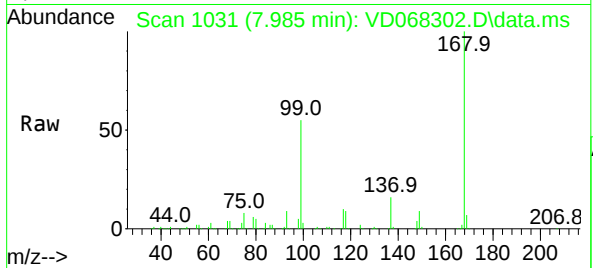




#38
Carbon Tetrachloride
Concen: 6.07 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

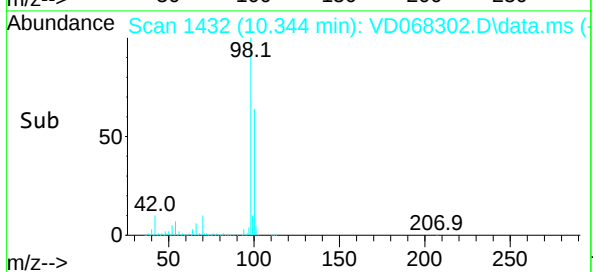
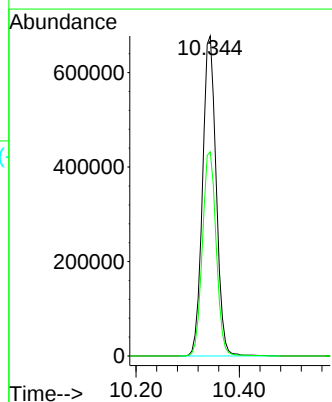
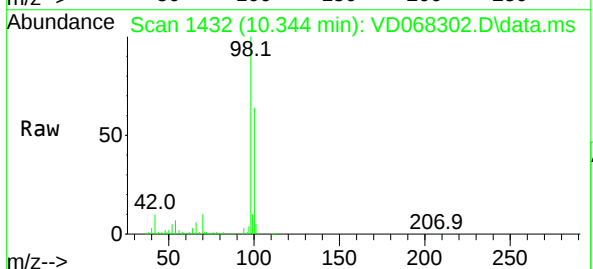
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ClientSampleId :

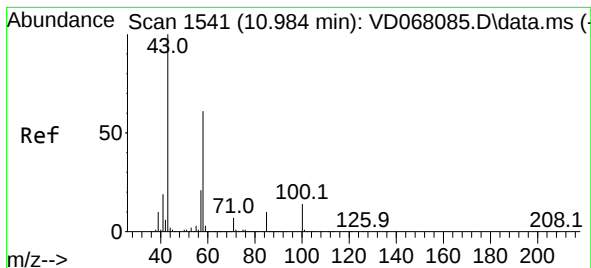
Tgt Ion:117 Resp: 58164
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 55.08 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

Tgt Ion: 98 Resp: 1236694
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4

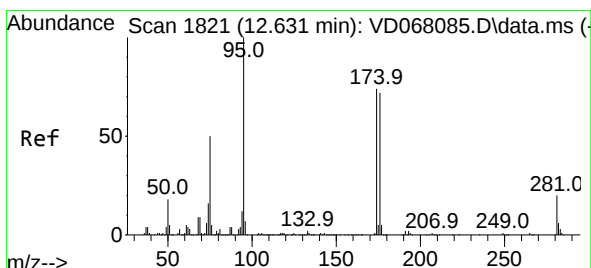
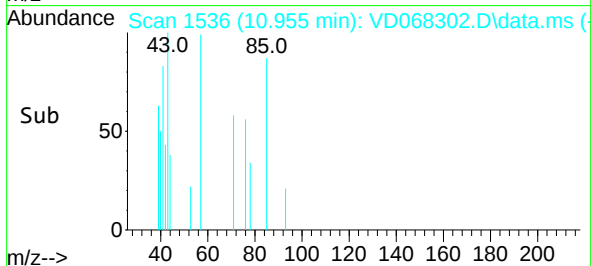
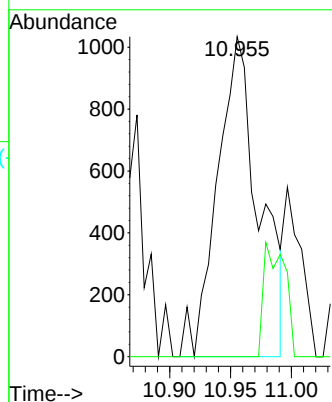
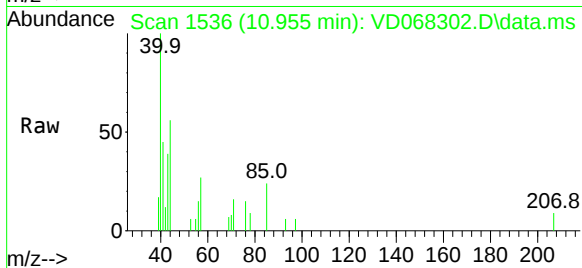




#59
2-Hexanone
Concen: 1.01 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.029 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

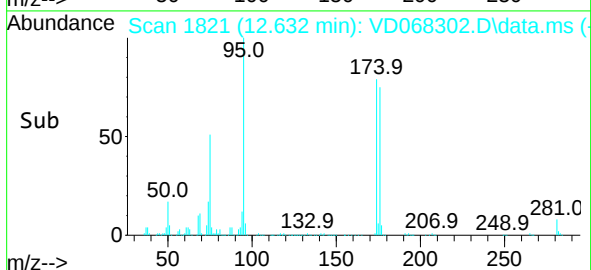
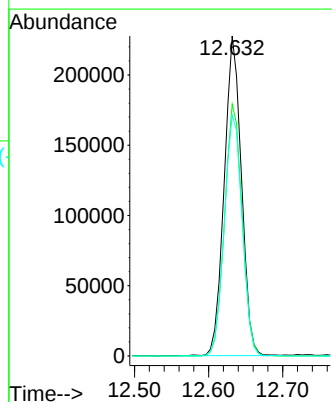
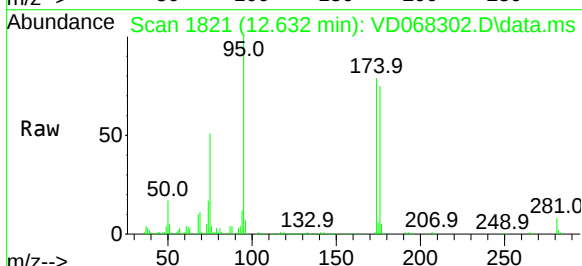
Instrument :
MSVOA_D
ClientSampled :

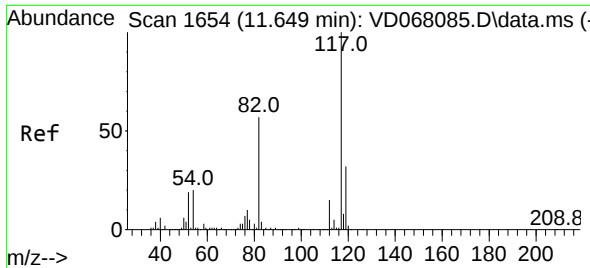
Tgt Ion: 43 Resp: 2462
Ion Ratio Lower Upper
43 100
58 0.0 31.0 93.0#



#62
4-Bromofluorobenzene
Concen: 45.37 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

Tgt Ion: 95 Resp: 366806
Ion Ratio Lower Upper
95 100
174 80.8 0.0 172.4
176 78.3 0.0 168.4

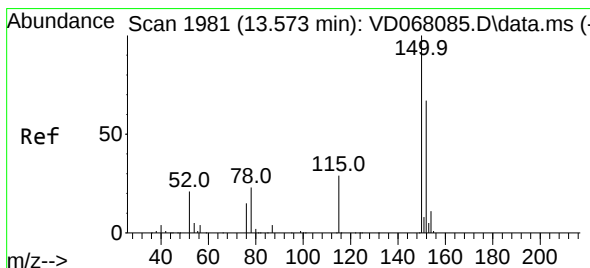
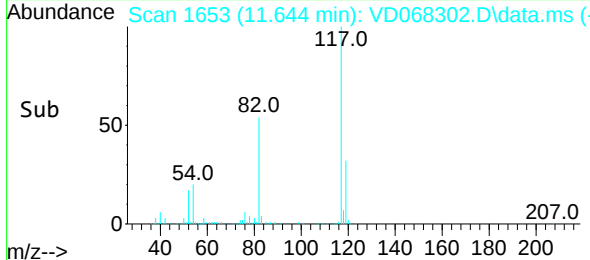
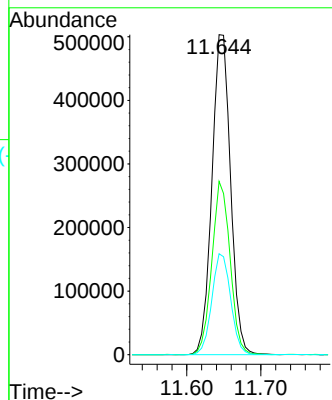
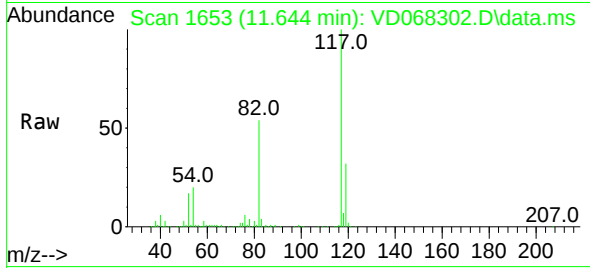




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

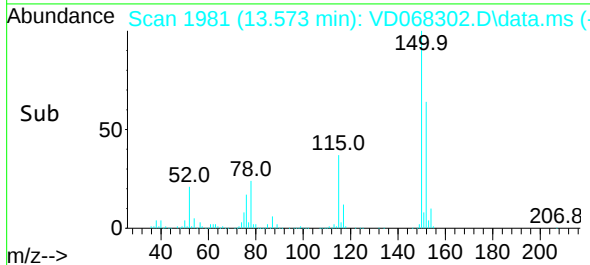
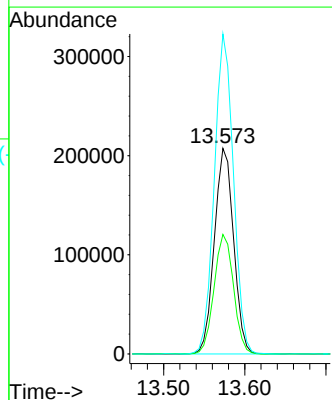
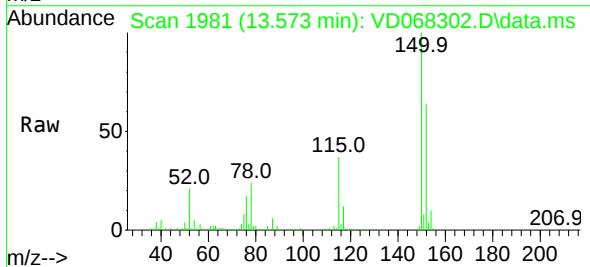
Instrument :
MSVOA_D
ClientSampled :

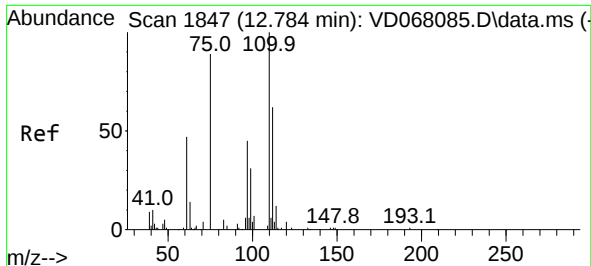
Tgt Ion:	117	Resp:	880061
Ion	Ratio	Lower	Upper
117	100		
82	54.1	41.4	62.0
119	31.5	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

Tgt Ion:	152	Resp:	342020
Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.8
150	154.4	0.0	344.4

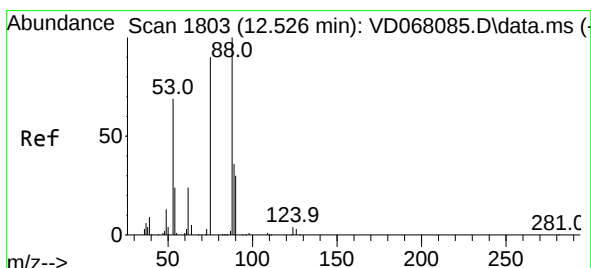
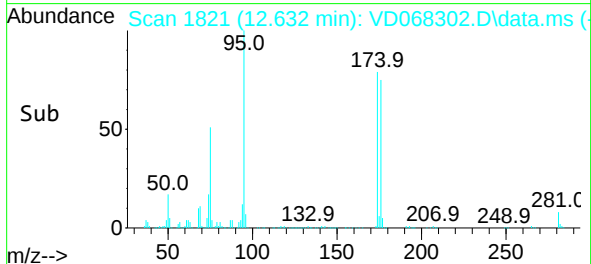
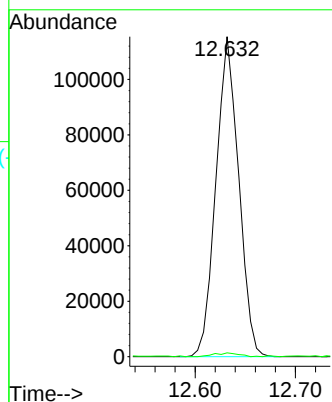
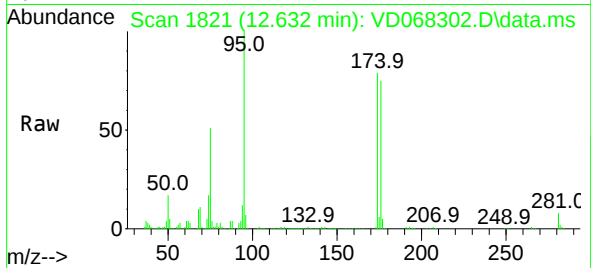




#76
1,2,3-Trichloropropane
Concen: 54.91 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 181582
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.11 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068302.D
Acq: 05 Feb 2021 15:52

Tgt Ion: 75 Resp: 181582
Ion Ratio Lower Upper
75 100
53 0.1 70.2 105.2#
89 0.2 40.3 60.5#

