

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030421\
 Data File : VD068521.D
 Acq On : 04 Mar 2021 13:16
 Operator : VA/SY
 Sample : M1556-01
 Misc : 6.79G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 00:00:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	340236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	592014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	542276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	211832	50.00	ug/l	0.00

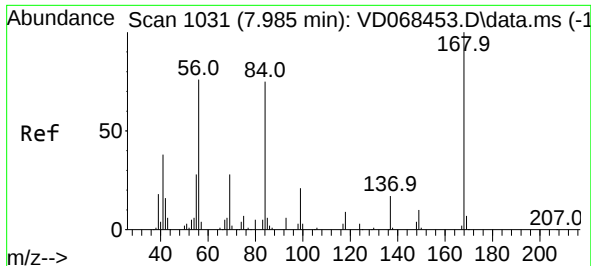
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	176879	52.03	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.06%
35) Dibromofluoromethane	7.920	113	184857	51.83	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.66%
50) Toluene-d8	10.344	98	733743	51.65	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.30%
62) 4-Bromofluorobenzene	12.632	95	222484	48.60	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.20%

Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	468	2.73	ug/l #	38
11) Tert butyl alcohol	5.214	59	253	1.39	ug/l #	74
16) Acetone	4.162	43	6557	12.14	ug/l #	81
20) Methylene Chloride	4.973	84	4159	Below Cal		89
31) Cyclohexane	7.985	56	7919	1.28	ug/l #	33
38) Carbon Tetrachloride	7.985	117	33689	6.37	ug/l #	16
52) Toluene	10.408	92	17392	1.69	ug/l	94
68) m/p-Xylenes	11.844	106	8012	1.07	ug/l	93
76) 1,2,3-Trichloropropane	12.632	75	111654	59.37	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	111654	138.55	ug/l #	14

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

Quant Time: Mar 05 00:00:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 2021
Response via : Initial Calibration

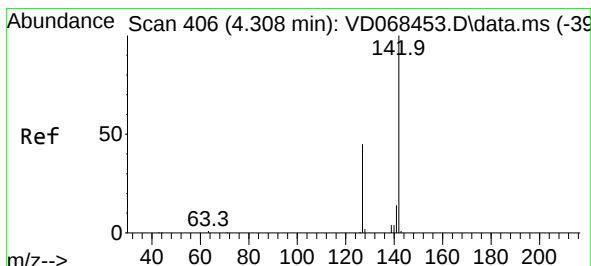
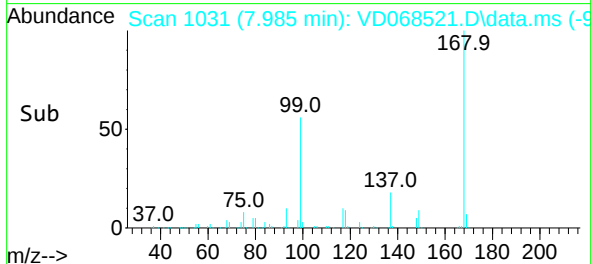
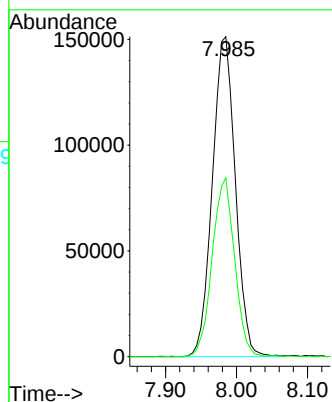
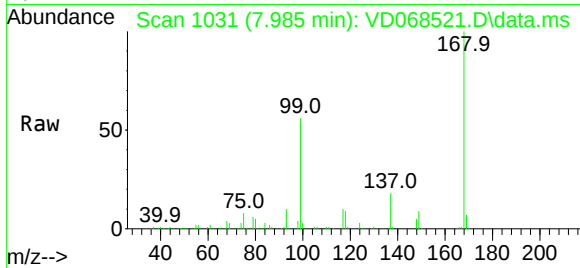




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

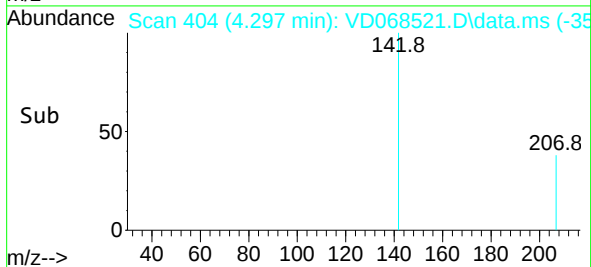
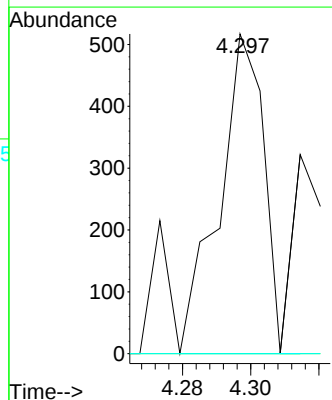
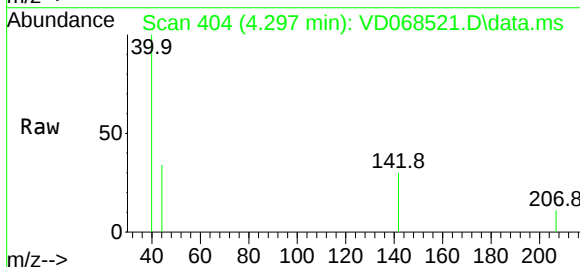
Instrument :
MSVOA_D
ClientSampled :

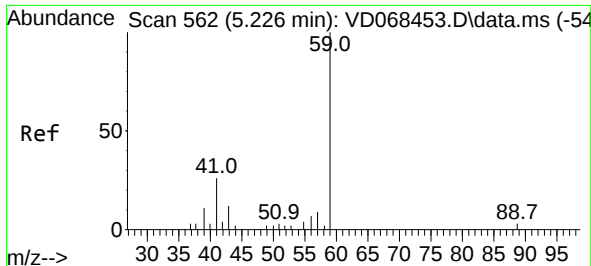
Tgt Ion:168 Resp: 340236
Ion Ratio Lower Upper
168 100
99 55.7 43.5 65.3



#10
Methyl Iodide
Concen: 2.73 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

Tgt Ion:142 Resp: 468
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

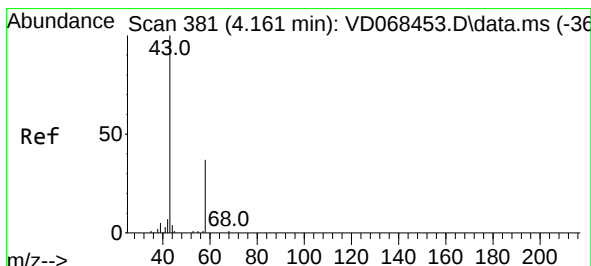
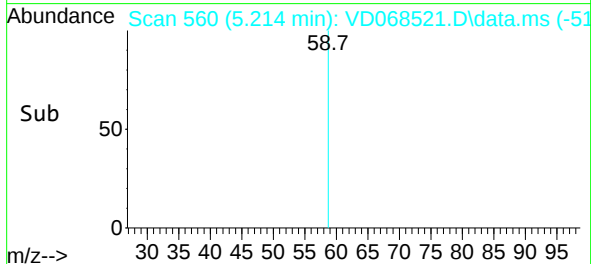
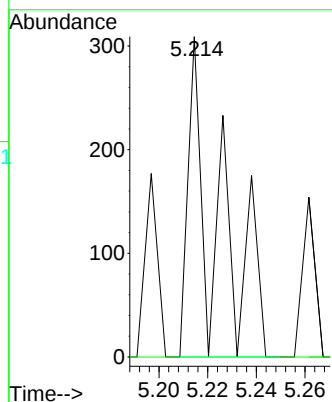
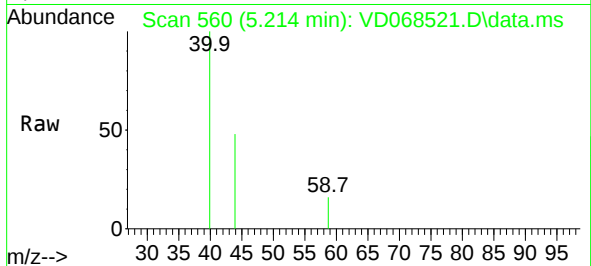




#11
Tert butyl alcohol
Concen: 1.39 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.011 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

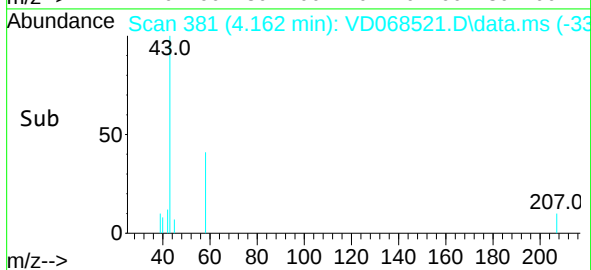
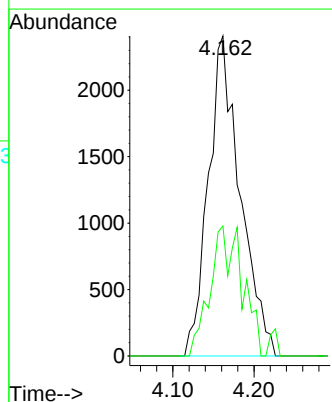
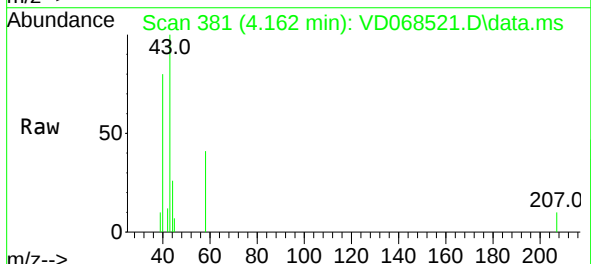
Instrument :
MSVOA_D
ClientSampled :

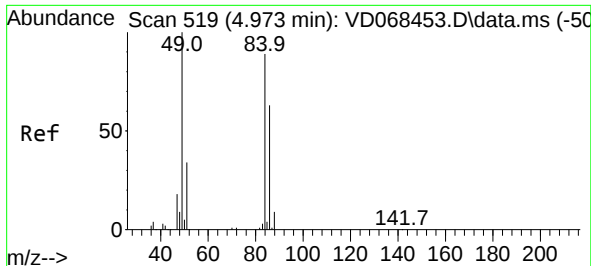
Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 12.14 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

Tgt Ion: 43 Resp: 6557
Ion Ratio Lower Upper
43 100
58 40.7 24.2 36.4#

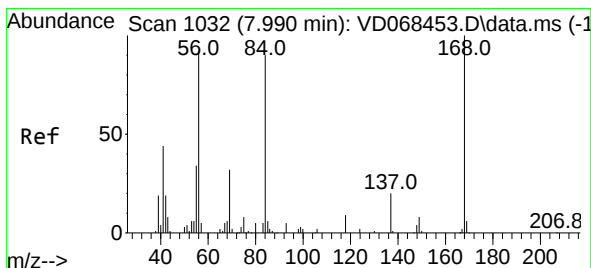
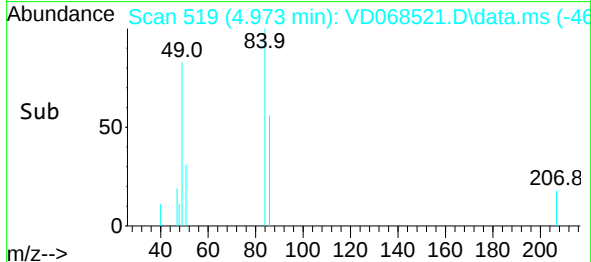
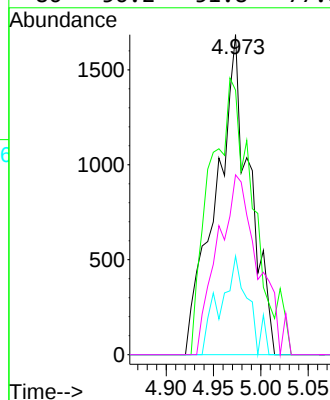
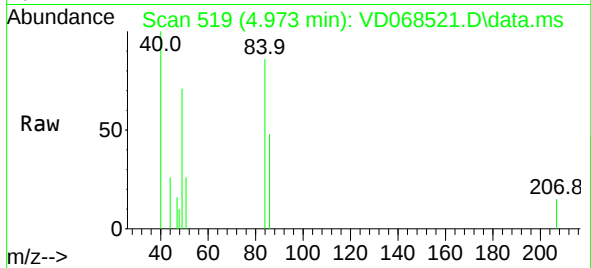




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

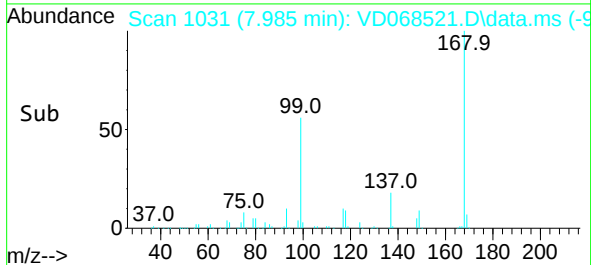
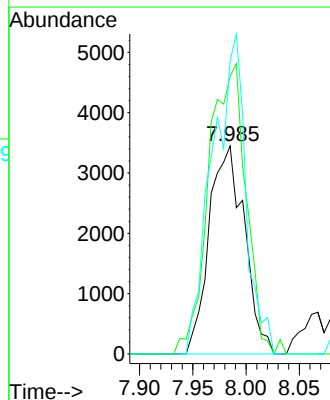
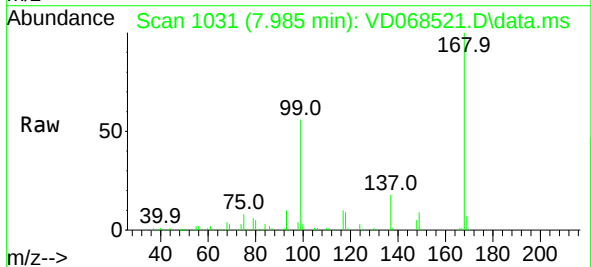
Instrument :
MSVOA_D
ClientSampled :

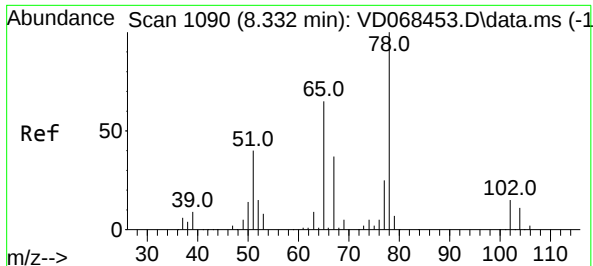
Tgt Ion:	84	Resp:	4159
Ion	Ratio	Lower	Upper
84	100		
49	82.7	77.4	116.2
51	30.8	26.1	39.1
86	56.2	51.8	77.8



#31
Cyclohexane
Concen: 1.28 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

Tgt Ion:	56	Resp:	7919
Ion	Ratio	Lower	Upper
56	100		
69	126.5	30.1	45.1#
84	140.9	82.1	123.1#

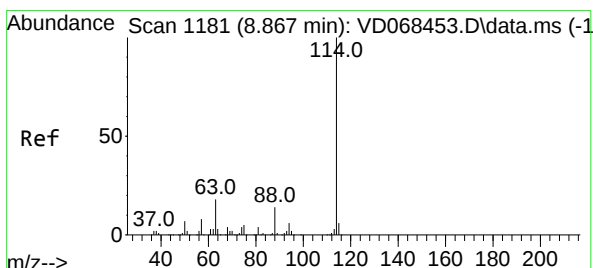
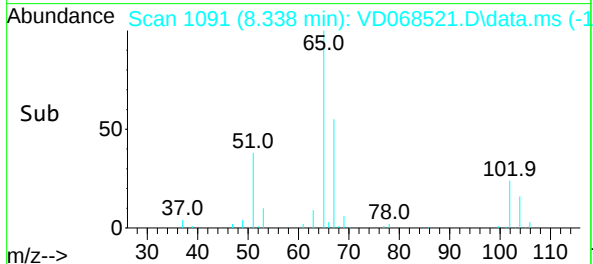
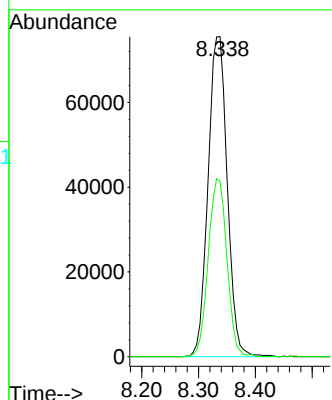
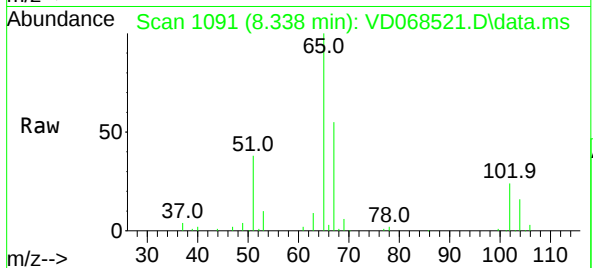




#33
1,2-Dichloroethane-d4
Concen: 52.03 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

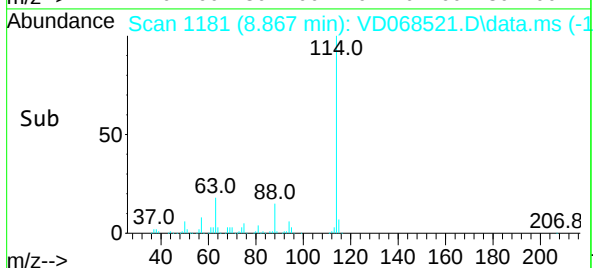
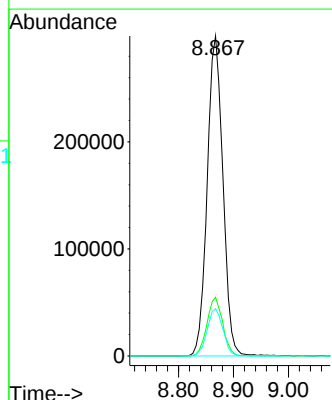
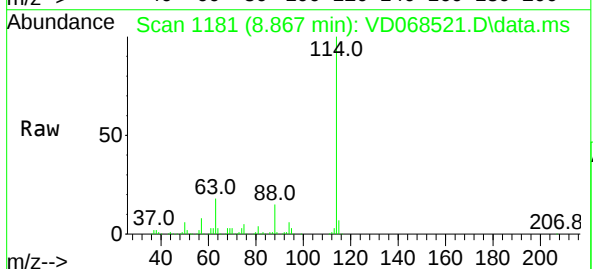
Instrument :
MSVOA_D
ClientSampleId :

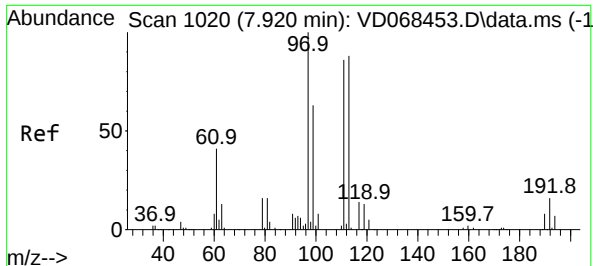
Tgt Ion: 65 Resp: 176879
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

Tgt Ion: 114 Resp: 592014
Ion Ratio Lower Upper
114 100
63 18.4 0.0 34.8
88 14.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.83 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068521.D

Acq: 04 Mar 2021 13:16

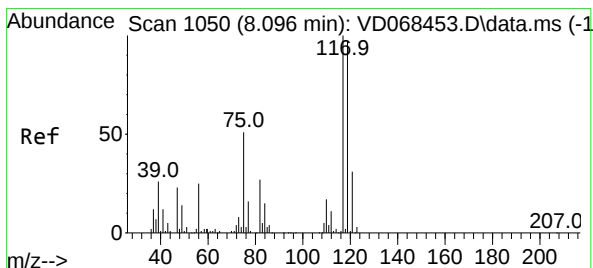
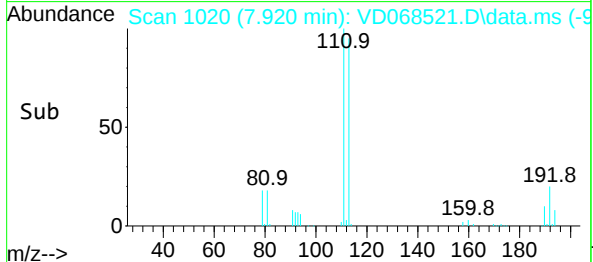
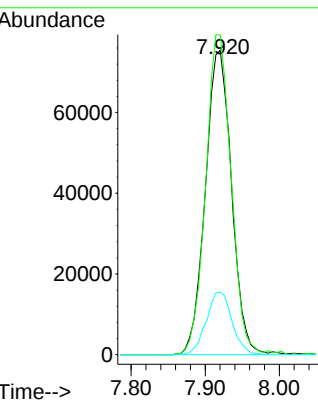
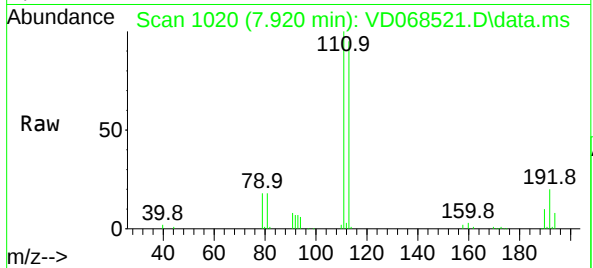
Tgt Ion:113 Resp: 184857

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 20.3 16.1 24.1



#38

Carbon Tetrachloride

Concen: 6.37 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.111 min

Lab File: VD068521.D

Acq: 04 Mar 2021 13:16

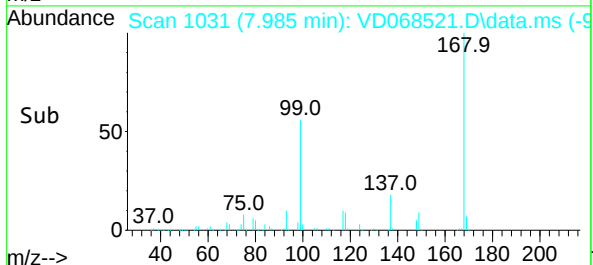
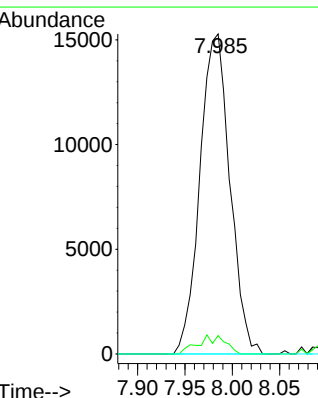
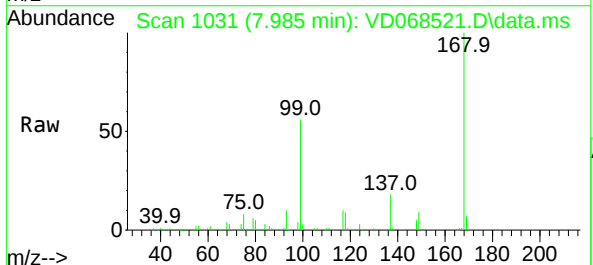
Tgt Ion:117 Resp: 33689

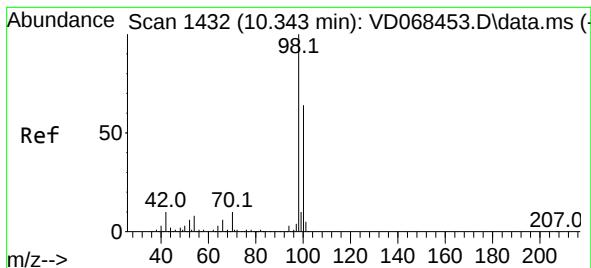
Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 24.7 37.1#

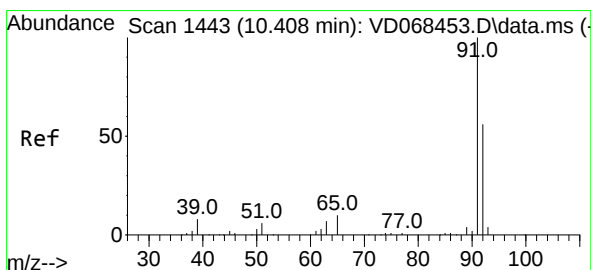
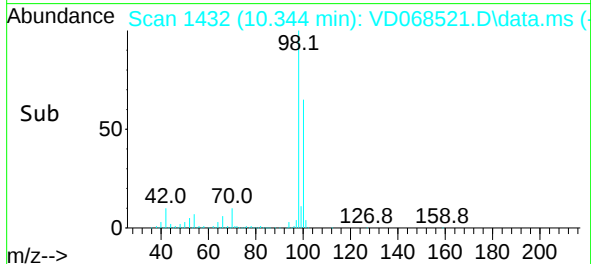
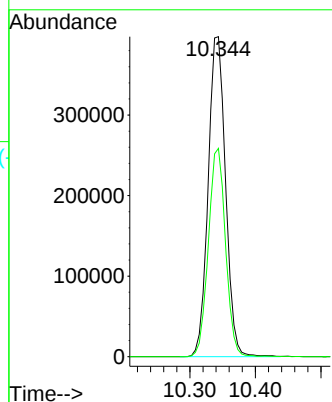
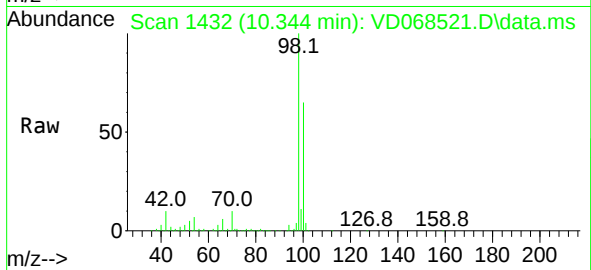




#50
Toluene-d8
Concen: 51.65 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

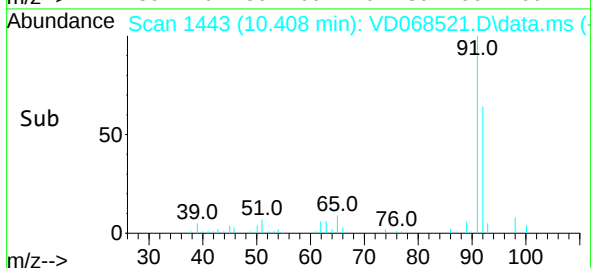
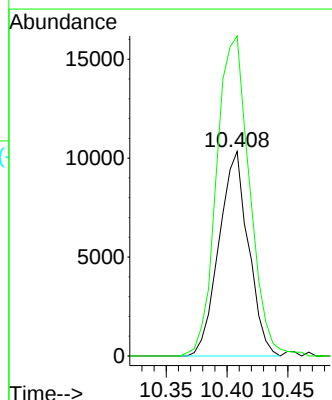
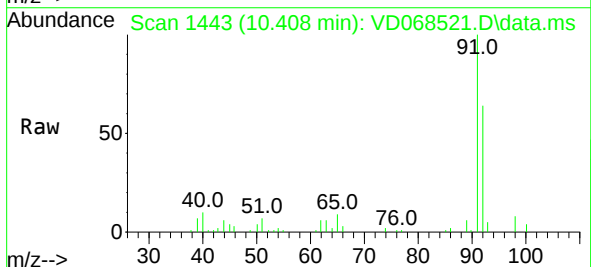
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ClientSampled :

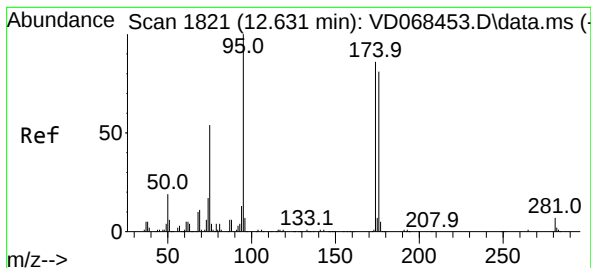
Tgt Ion: 98 Resp: 733743
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.4



#52
Toluene
Concen: 1.69 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

Tgt Ion: 92 Resp: 17392
Ion Ratio Lower Upper
92 100
91 175.2 134.1 201.1

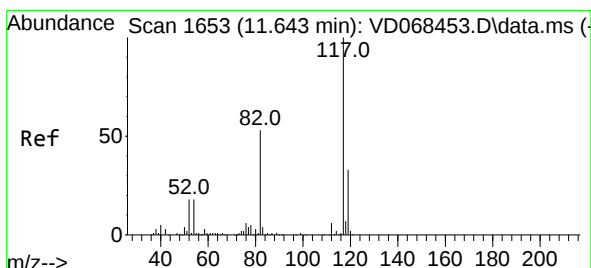
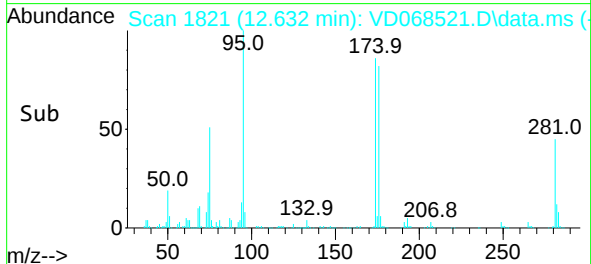
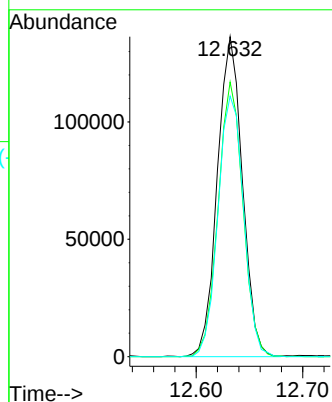
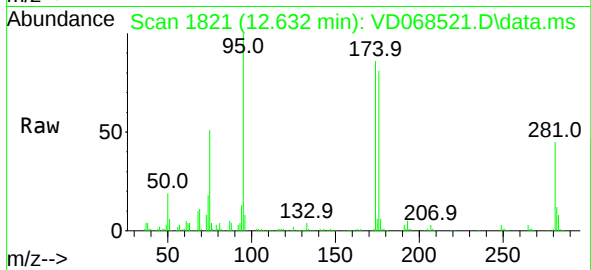




#62
4-Bromofluorobenzene
Concen: 48.60 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

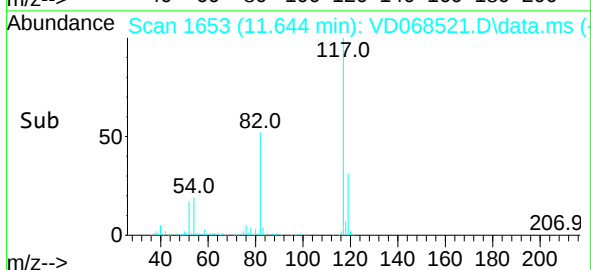
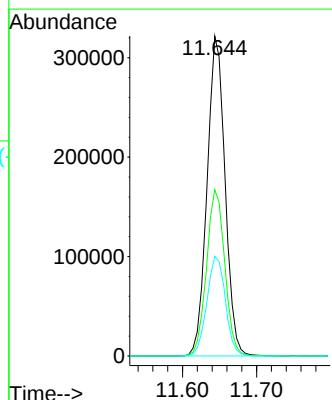
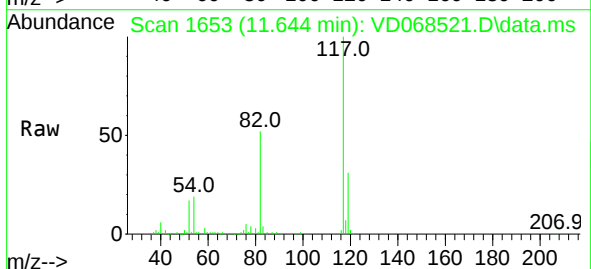
Instrument :
MSVOA_D
ClientSampleId :

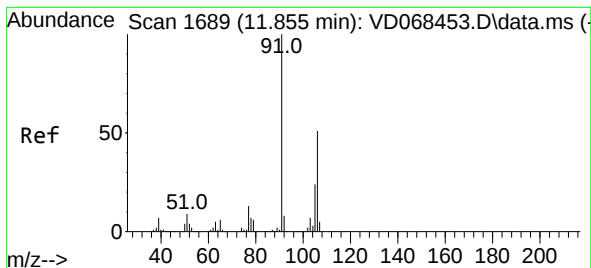
Tgt Ion: 95 Resp: 222484
Ion Ratio Lower Upper
95 100
174 85.1 0.0 172.4
176 83.1 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

Tgt Ion: 117 Resp: 542276
Ion Ratio Lower Upper
117 100
82 51.9 41.4 62.0
119 31.1 26.1 39.1

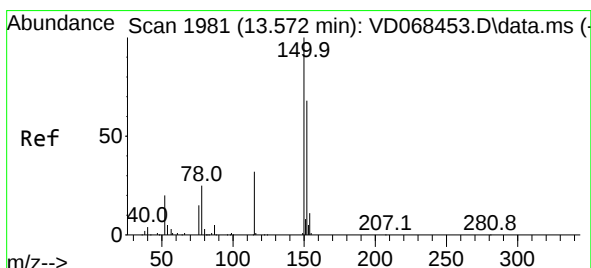
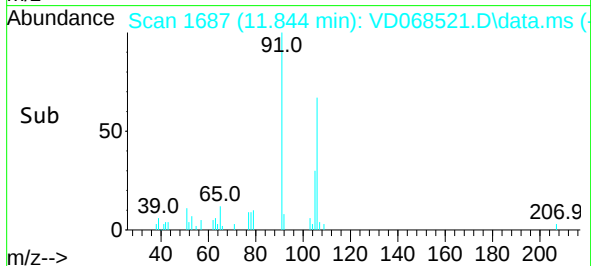
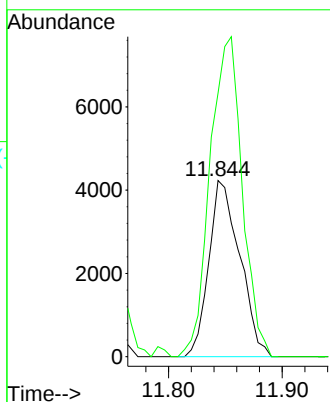
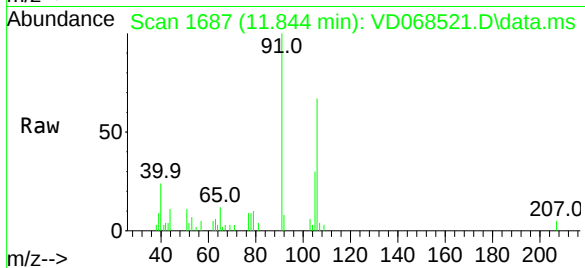




#68
m/p-Xylenes
Concen: 1.07 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.011 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

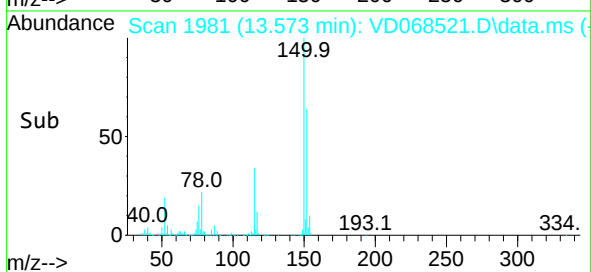
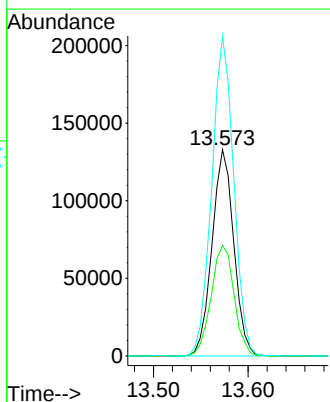
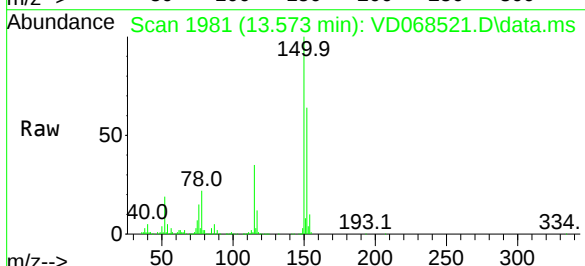
Instrument :
MSVOA_D
ClientSampleId :

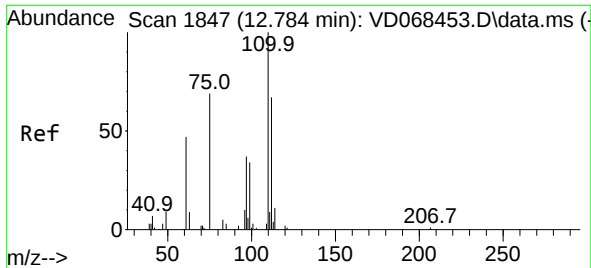
Tgt Ion:106 Resp: 8012
Ion Ratio Lower Upper
106 100
91 189.0 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

Tgt Ion:152 Resp: 211832
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.8
150 156.6 0.0 344.4

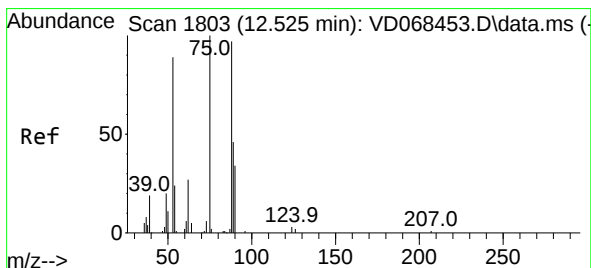
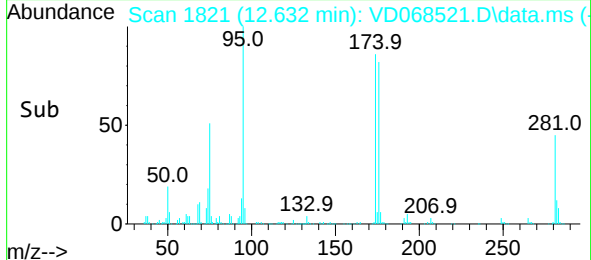
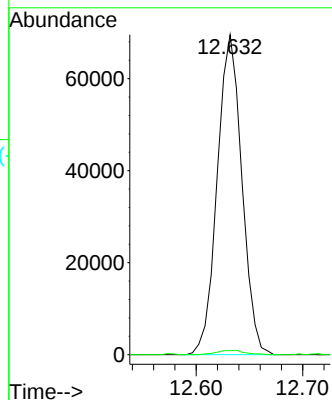
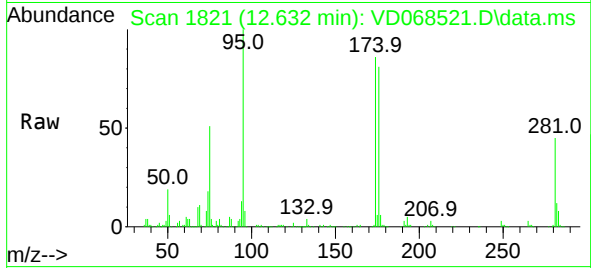




#76
1,2,3-Trichloropropane
Concen: 59.37 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 111654
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.55 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068521.D
Acq: 04 Mar 2021 13:16

Tgt Ion: 75 Resp: 111654
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.6 40.3 60.5#

