

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021021\
 Data File : VD068345.D
 Acq On : 10 Feb 2021 14:34
 Operator : VA/SY
 Sample : M1338-01RE
 Misc : 5.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-020921RE

Quant Time: Feb 11 00:13:00 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)

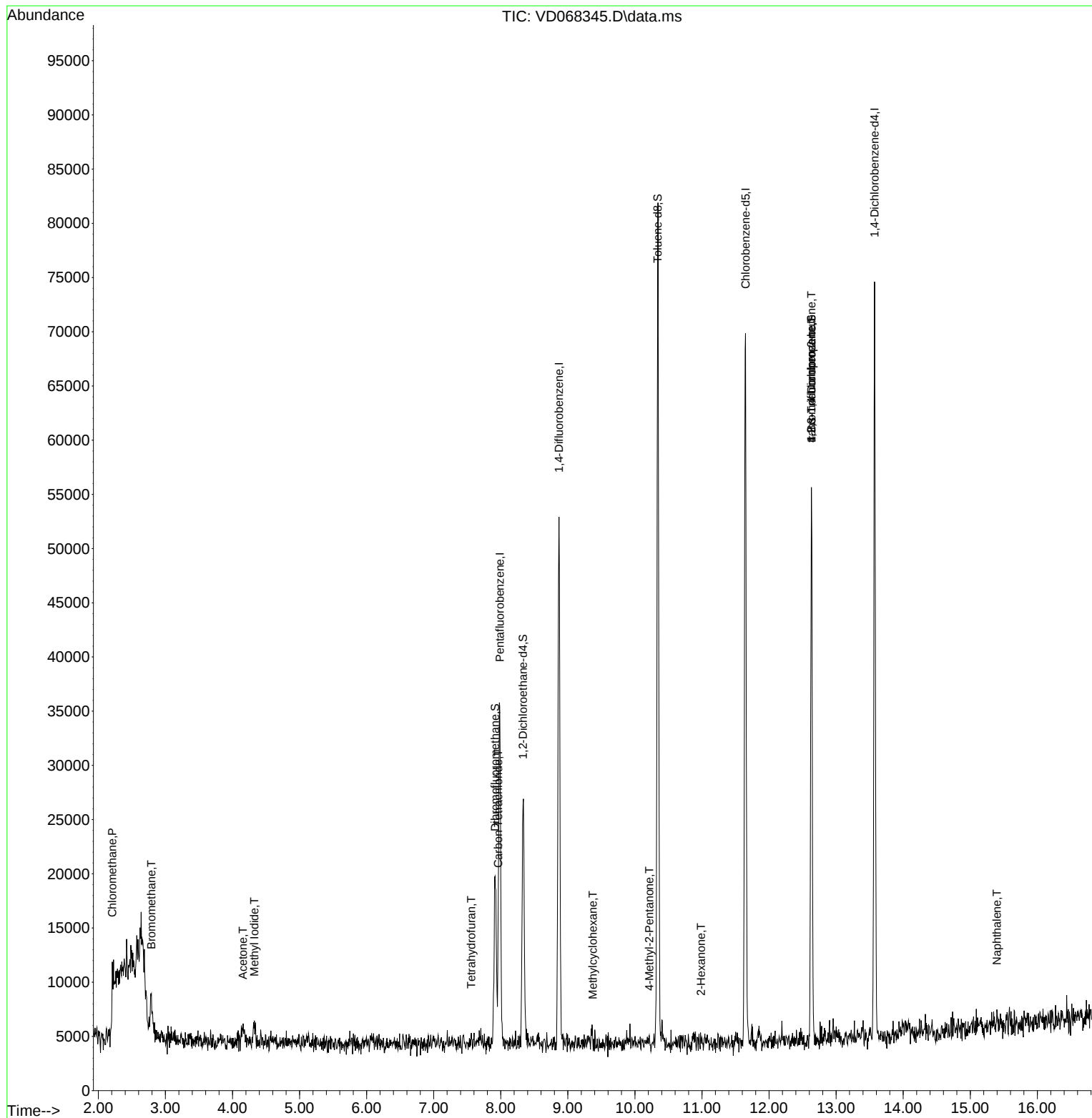
Internal Standards						
1) Pentafluorobenzene	7.985	168	23356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	43033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	39718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	17667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	18029	80.69	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 161.38%			
35) Dibromofluoromethane	7.914	113	11242	47.25	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.50%			
50) Toluene-d8	10.338	98	52191	54.84	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.68%			
62) 4-Bromofluorobenzene	12.632	95	18092	52.79	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.58%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	1328	4.44	ug/l #	75
5) Bromomethane	2.791	94	2504	10.99	ug/l	84
10) Methyl Iodide	4.326	142	2698	12.02	ug/l #	38
16) Acetone	4.156	43	1089	27.30	ug/l #	84
29) Tetrahydrofuran	7.561	42	68	1.75	ug/l #	26
38) Carbon Tetrachloride	7.961	117	1262	3.11	ug/l #	12
39) Methylcyclohexane	9.373	83	607	1.07	ug/l #	21
51) 4-Methyl-2-Pentanone	10.214	43	157	1.06	ug/l #	31
59) 2-Hexanone	10.985	43	133	1.29	ug/l	60
76) 1,2,3-Trichloropropane	12.632	75	8333	48.78	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	8333	98.71	ug/l #	13
95) Naphthalene	15.396	128	1336	2.00	ug/l #	69

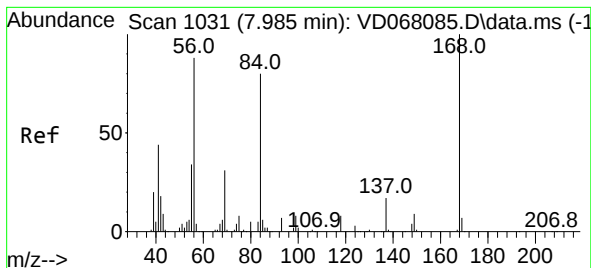
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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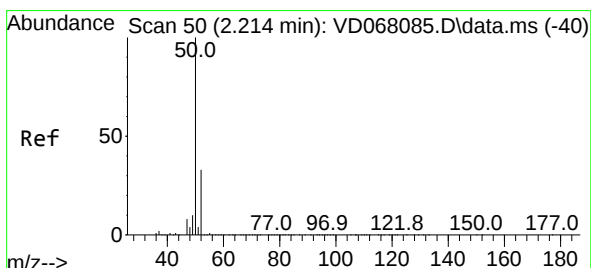
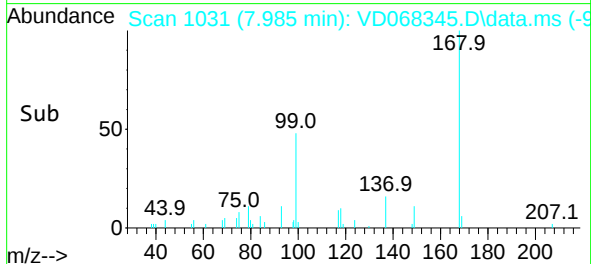
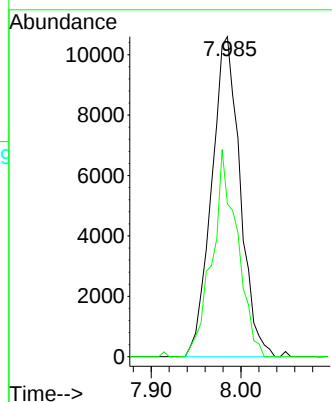
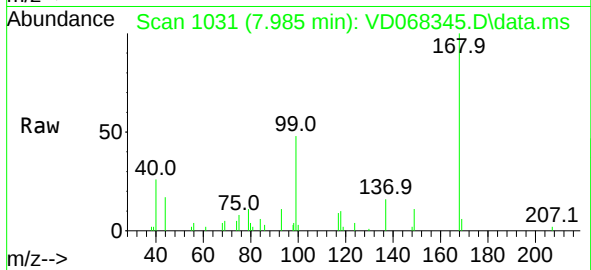




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

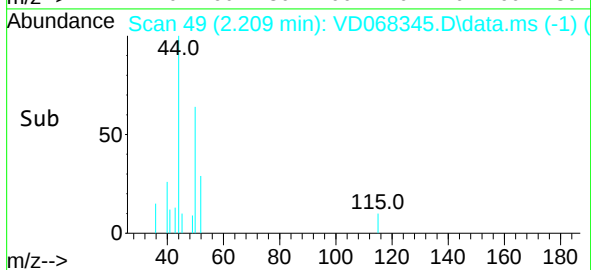
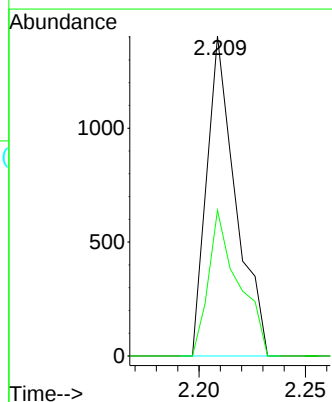
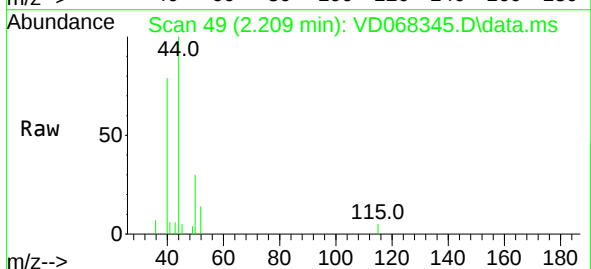
Instrument :
MSVOA_D
ClientSampleId :
OK-02-020921RE

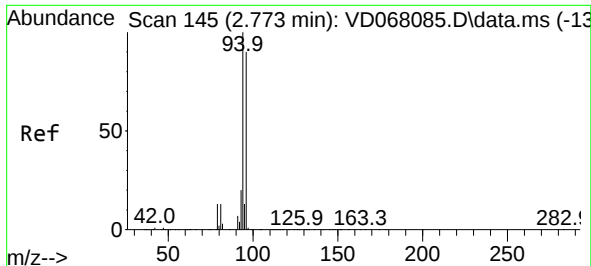
Tgt Ion:168 Resp: 23356
Ion Ratio Lower Upper
168 100
99 47.7 43.5 65.3



#3
Chloromethane
Concen: 4.44 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.005 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

Tgt Ion: 50 Resp: 1328
Ion Ratio Lower Upper
50 100
52 45.6 25.4 38.2#

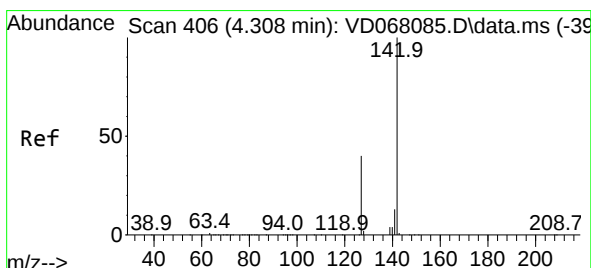
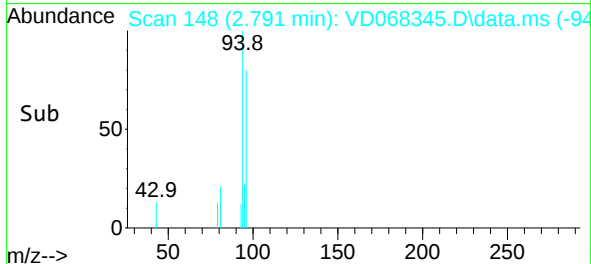
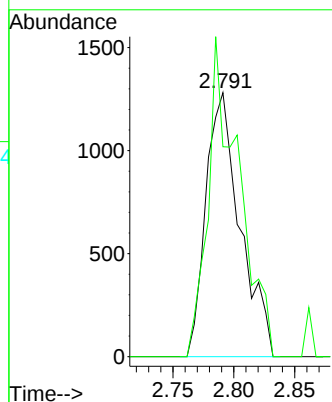
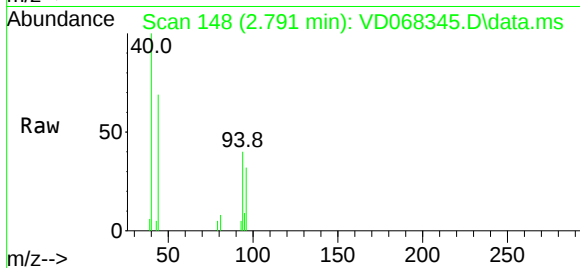




#5
Bromomethane
Concen: 10.99 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.018 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

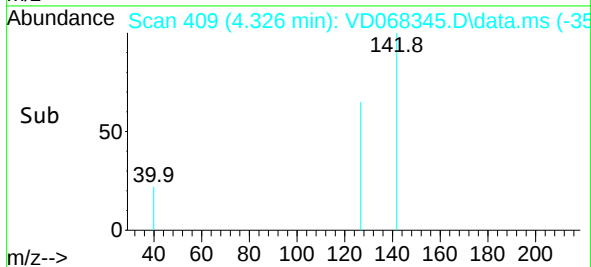
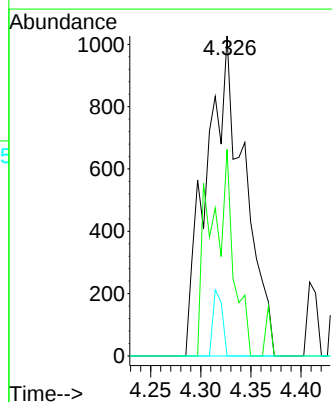
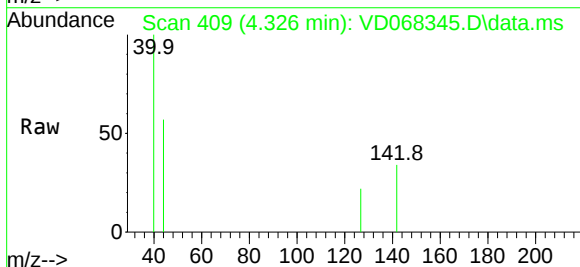
Instrument :
MSVOA_D
ClientSampleId :
OK-02-020921RE

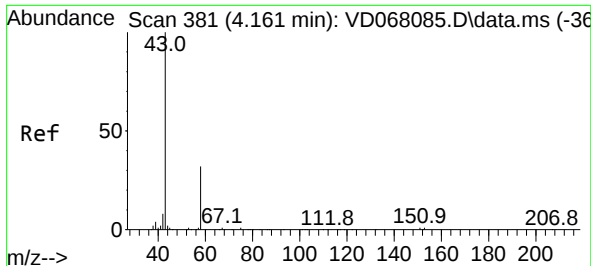
Tgt Ion: 94 Resp: 2504
Ion Ratio Lower Upper
94 100
96 79.5 75.8 113.8



#10
Methyl Iodide
Concen: 12.02 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.018 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

Tgt Ion: 142 Resp: 2698
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

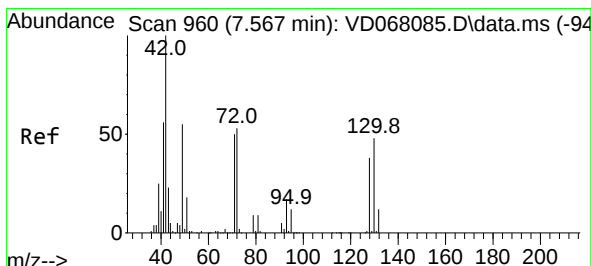
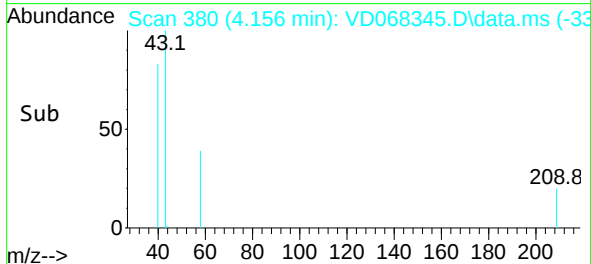
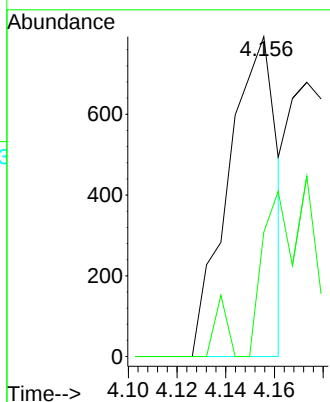
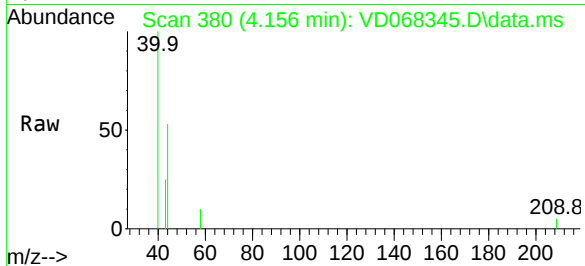




#16
Acetone
Concen: 27.30 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

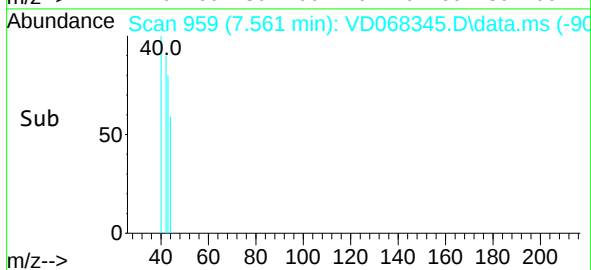
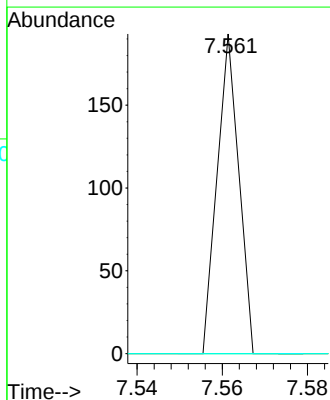
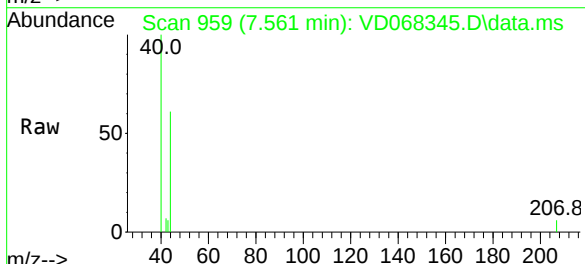
Instrument :
MSVOA_D
ClientSampleId :
OK-02-020921RE

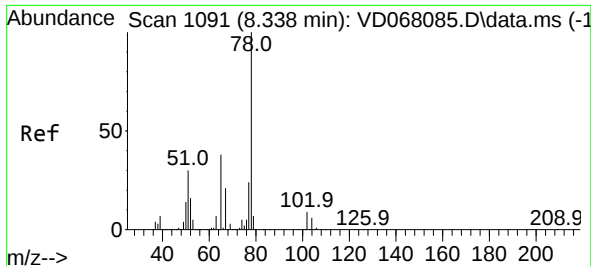
Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
58 38.9 24.2 36.4#



#29
Tetrahydrofuran
Concen: 1.75 ug/l
RT: 7.561 min Scan# 959
Delta R.T. -0.006 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

Tgt Ion: 42 Resp: 68
Ion Ratio Lower Upper
42 100
72 0.0 43.4 65.0#
71 0.0 40.8 61.2#

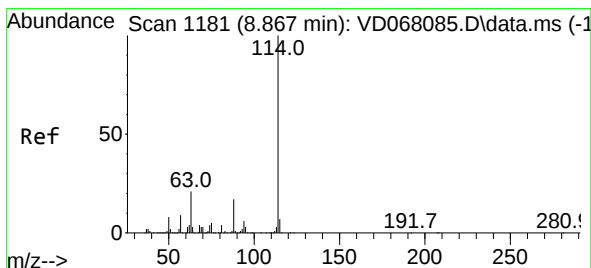
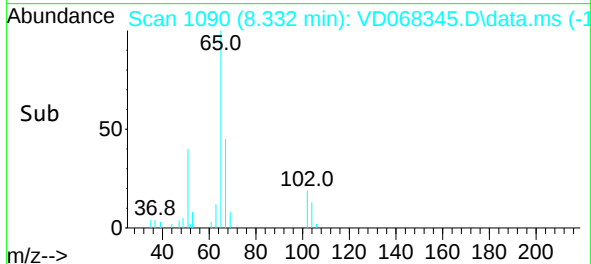
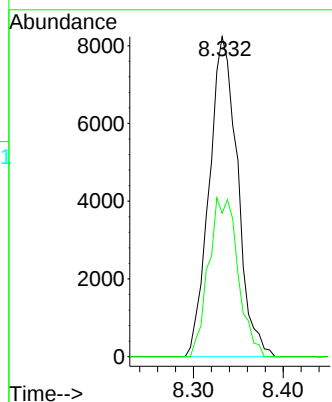
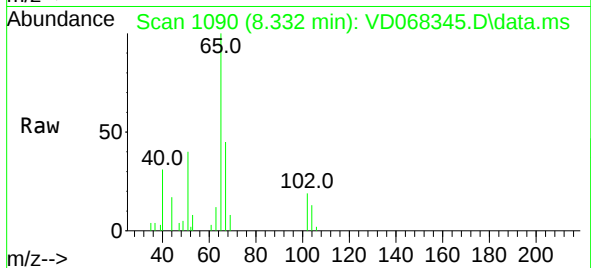




#33
 1,2-Dichloroethane-d4
 Concen: 80.69 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.006 min
 Lab File: VD068345.D
 Acq: 10 Feb 2021 14:34

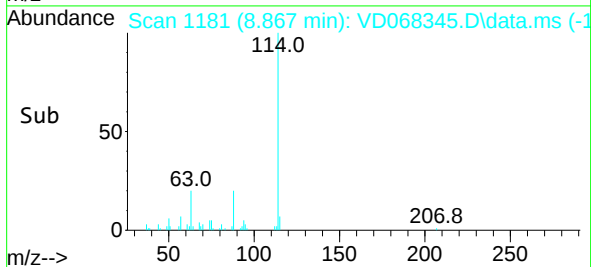
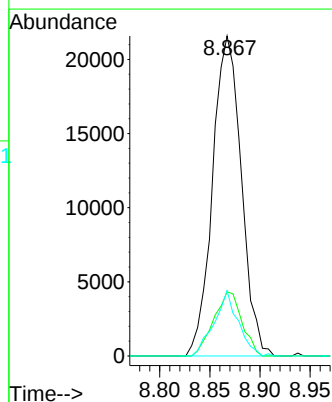
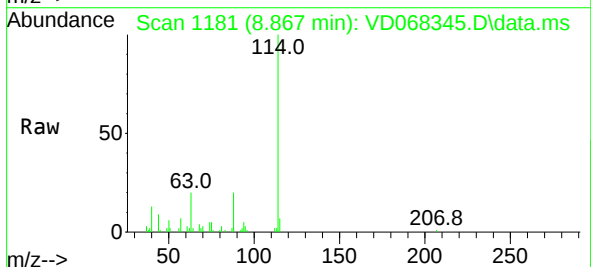
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-020921RE

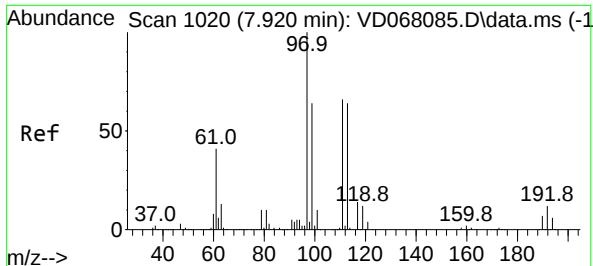
Tgt Ion: 65 Resp: 18029
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068345.D
 Acq: 10 Feb 2021 14:34

Tgt Ion: 114 Resp: 43033
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 34.8
 88 20.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.25 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068345.D

Acq: 10 Feb 2021 14:34

Tgt Ion:113 Resp: 11242

Ion Ratio Lower Upper

113 100

111 109.1 81.4 122.0

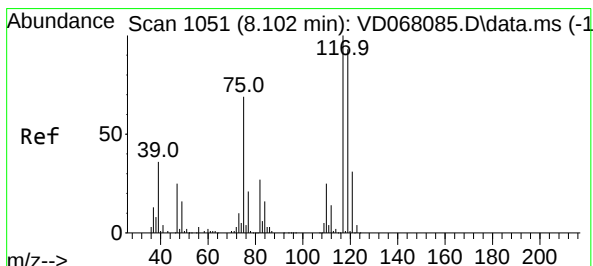
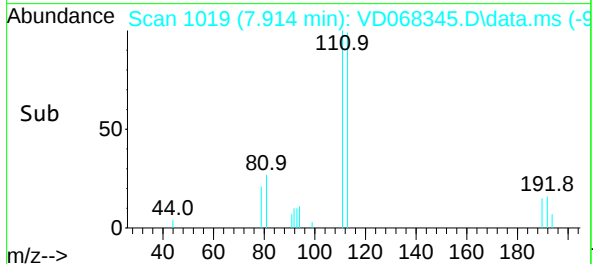
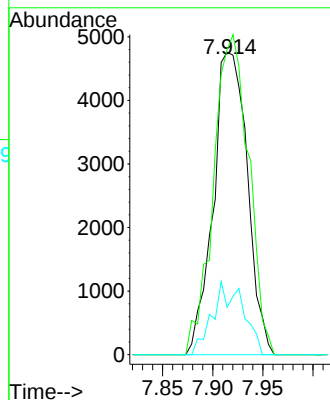
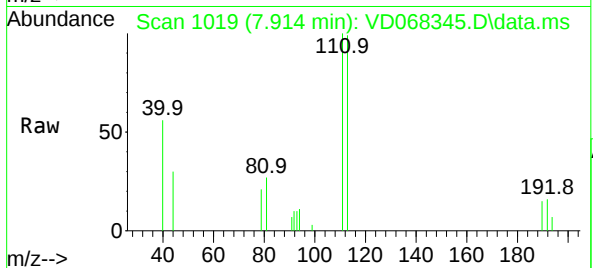
192 21.7 16.1 24.1

Instrument :

MSVOA_D

ClientSampleId :

OK-02-020921RE



#38

Carbon Tetrachloride

Concen: 3.11 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.141 min

Lab File: VD068345.D

Acq: 10 Feb 2021 14:34

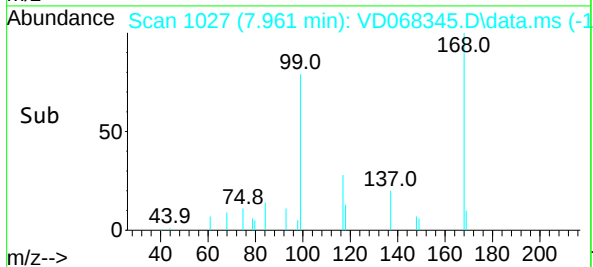
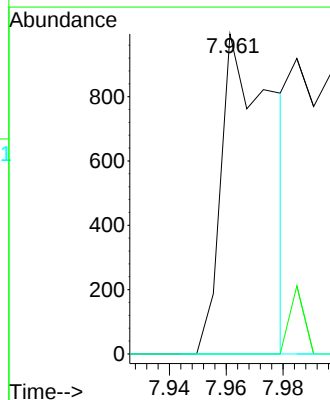
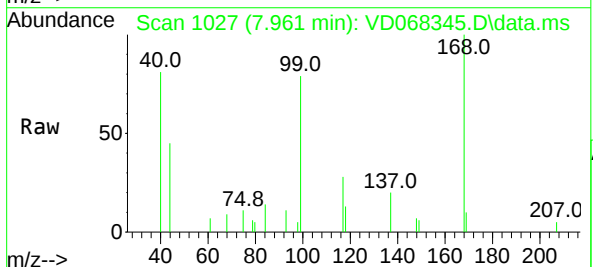
Tgt Ion:117 Resp: 1262

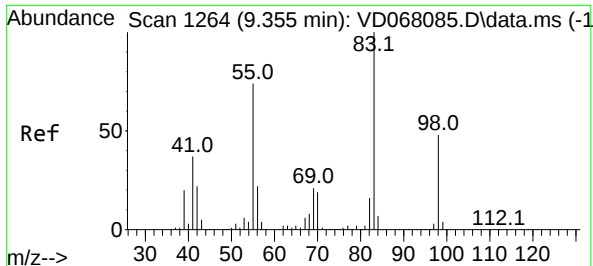
Ion Ratio Lower Upper

117 100

119 0.0 77.3 115.9#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 1.07 ug/l

RT: 9.373 min Scan# 1267

Delta R.T. 0.018 min

Lab File: VD068345.D

Acq: 10 Feb 2021 14:34

Tgt Ion: 83 Resp: 607

Ion Ratio Lower Upper

83 100

55 0.0 55.2 82.8#

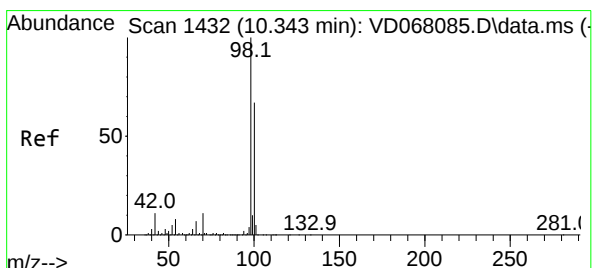
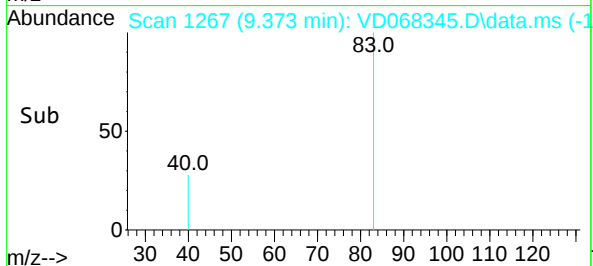
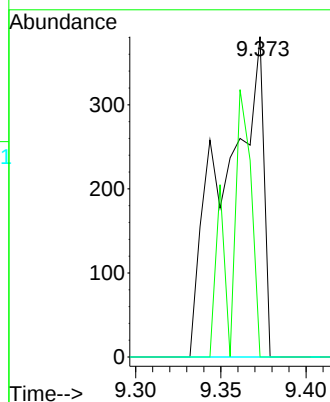
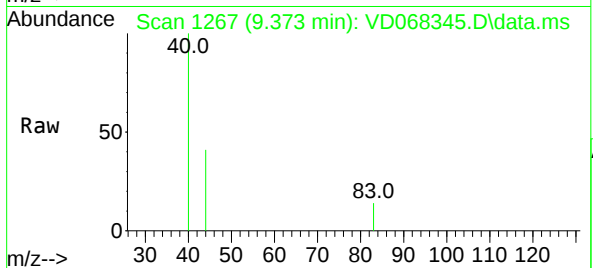
98 0.0 39.1 58.7#

Instrument :

MSVOA_D

ClientSampleId :

OK-02-020921RE



#50

Toluene-d8

Concen: 54.84 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VD068345.D

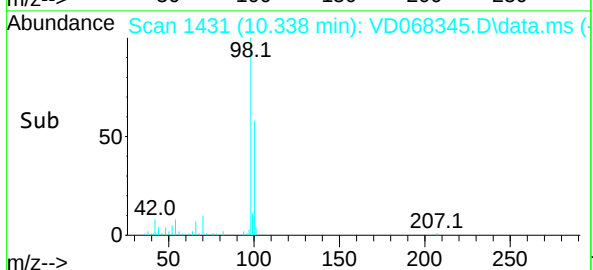
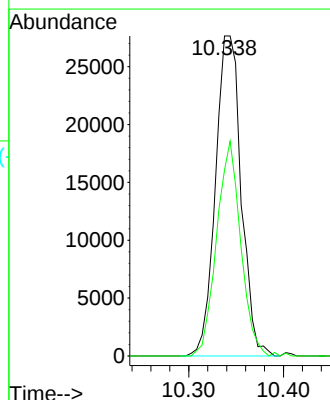
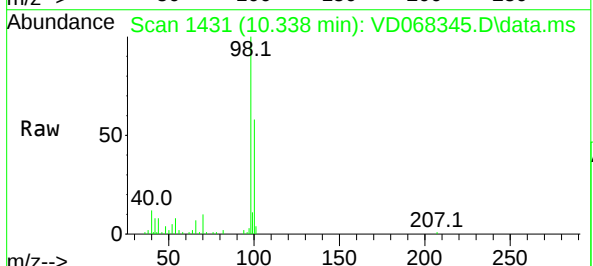
Acq: 10 Feb 2021 14:34

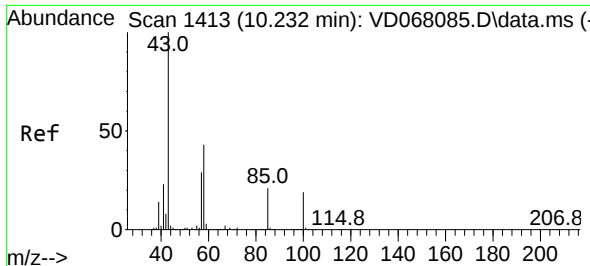
Tgt Ion: 98 Resp: 52191

Ion Ratio Lower Upper

98 100

100 63.0 53.0 79.4

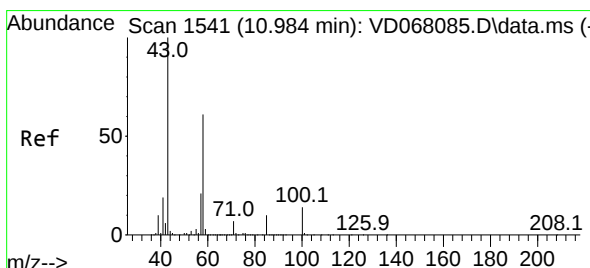
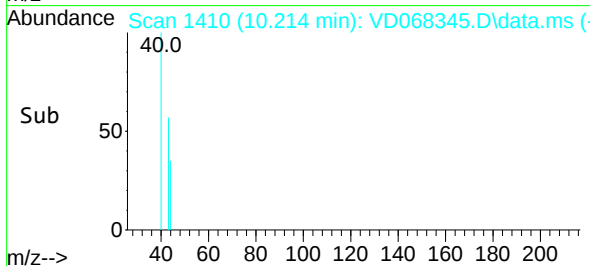
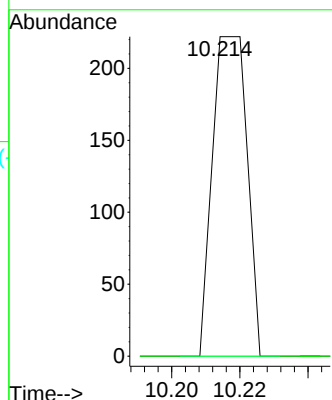
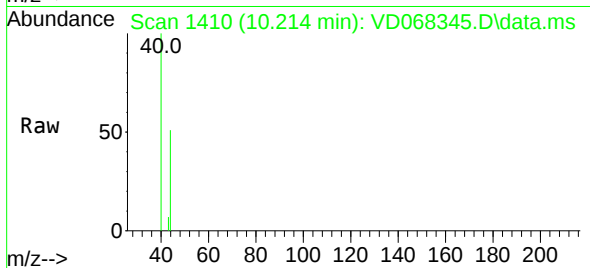




#51
4-Methyl-2-Pentanone
Concen: 1.06 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.017 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

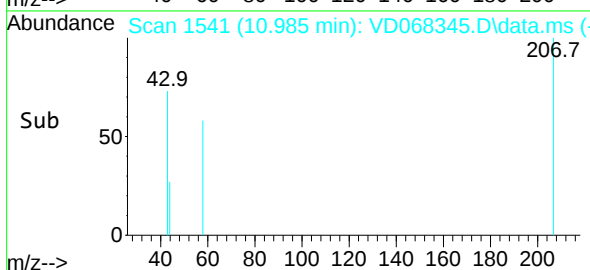
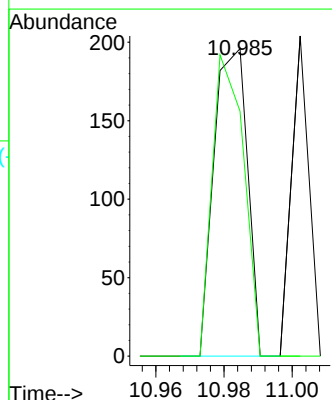
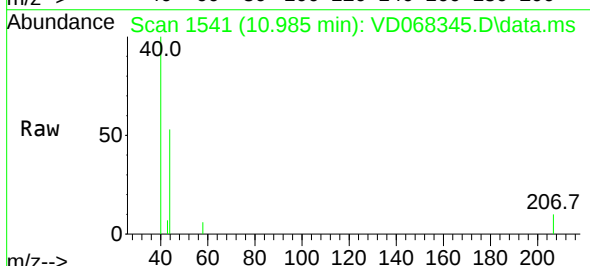
Instrument :
MSVOA_D
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OK-02-020921RE

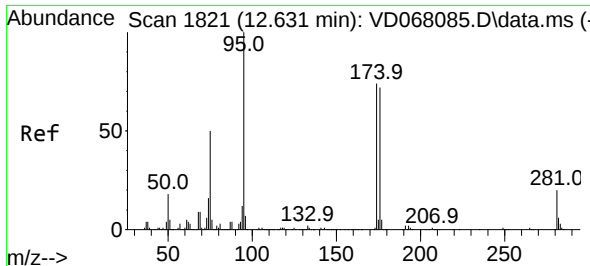
Tgt Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#



#59
2-Hexanone
Concen: 1.29 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

Tgt Ion: 43 Resp: 133
Ion Ratio Lower Upper
43 100
58 92.5 31.0 93.0

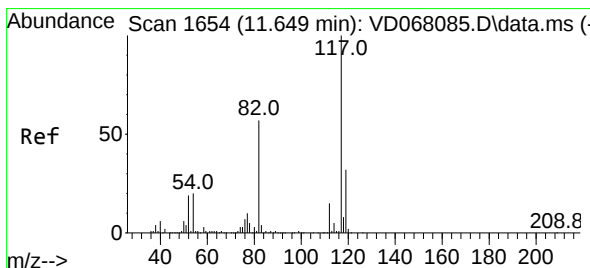
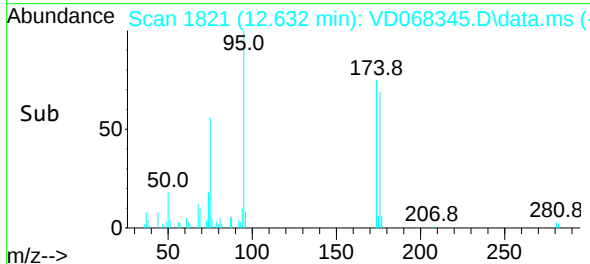
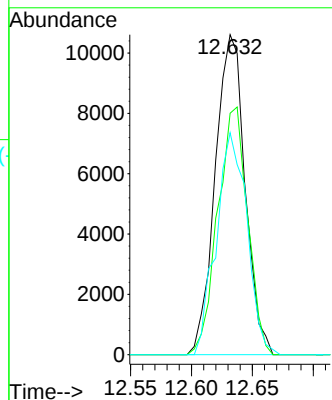
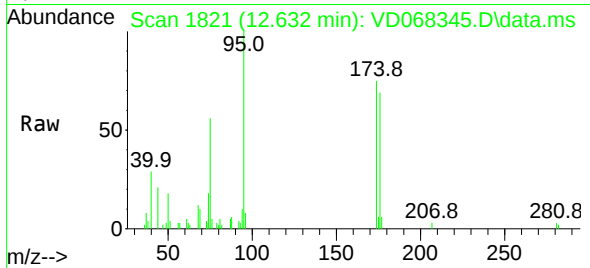




#62
4-Bromofluorobenzene
Concen: 52.79 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

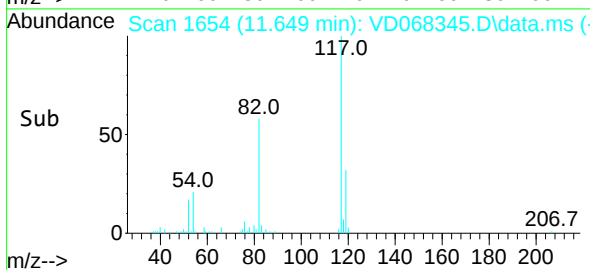
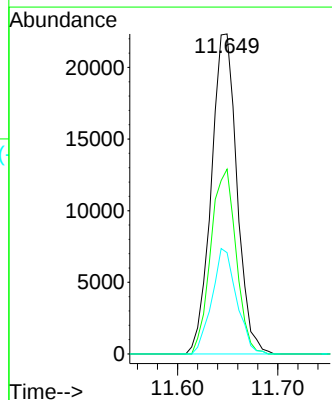
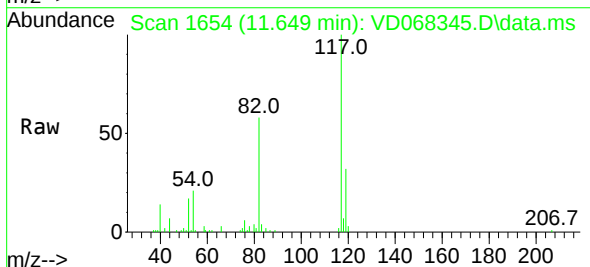
Instrument :
MSVOA_D
ClientSampleId :
OK-02-020921RE

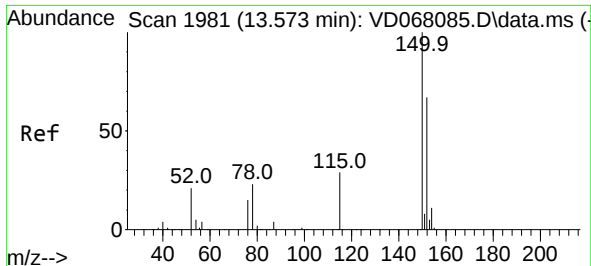
Tgt Ion: 95 Resp: 18092
Ion Ratio Lower Upper
95 100
174 77.3 0.0 172.4
176 71.3 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

Tgt Ion: 117 Resp: 39718
Ion Ratio Lower Upper
117 100
82 57.8 41.4 62.0
119 31.7 26.1 39.1

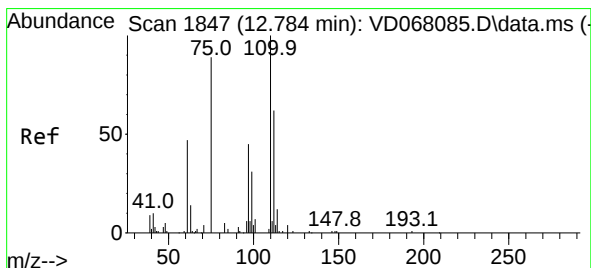
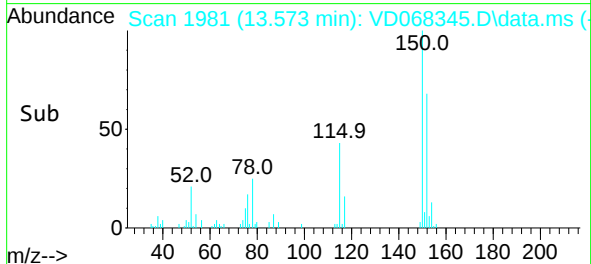
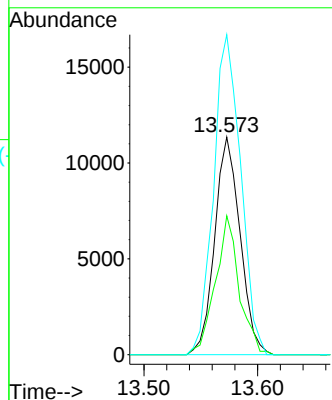
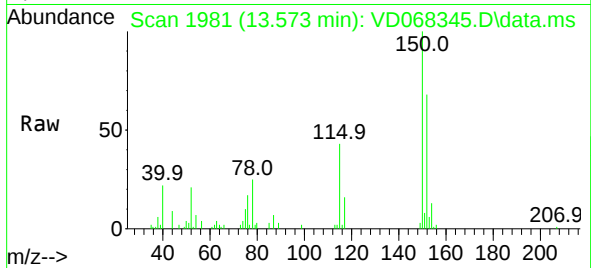




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

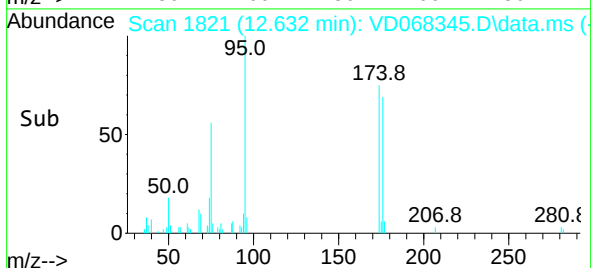
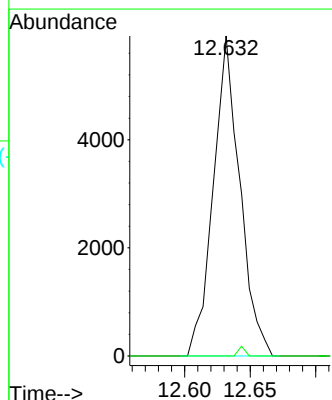
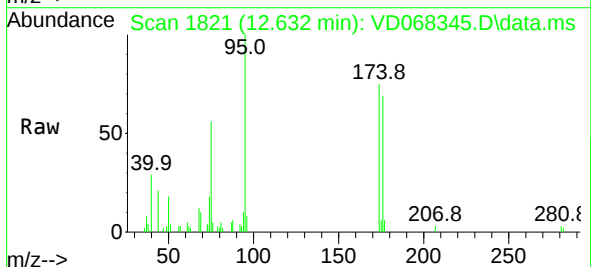
Instrument :
MSVOA_D
ClientSampleId :
OK-02-020921RE

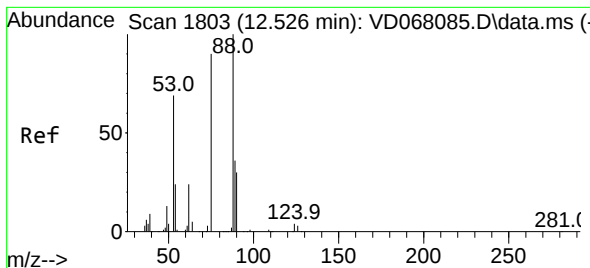
Tgt Ion:152 Resp: 17667
Ion Ratio Lower Upper
152 100
115 60.1 28.9 86.8
150 156.9 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 48.78 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

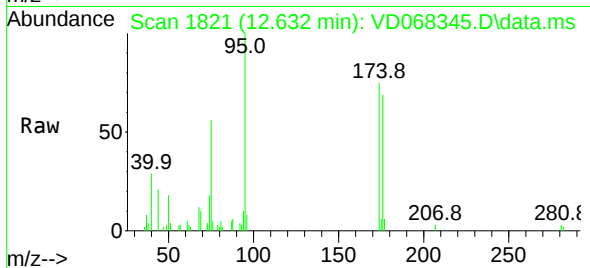
Tgt Ion: 75 Resp: 8333
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



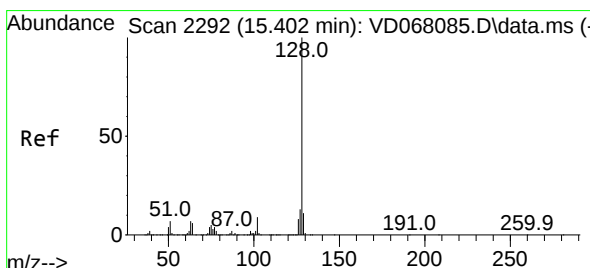
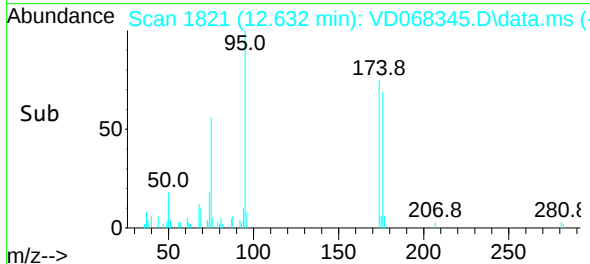
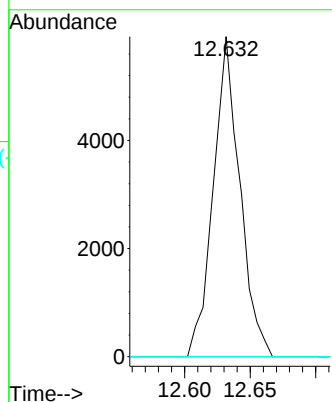


#81
trans-1,4-Dichloro-2-butene
Concen: 98.71 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

Instrument :
MSVOA_D
ClientSampleId :
OK-02-020921RE



Tgt Ion: 75 Resp: 8333
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#



#95
Naphthalene
Concen: 2.00 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD068345.D
Acq: 10 Feb 2021 14:34

Tgt Ion: 128 Resp: 1336
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

