

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
 Data File : VD068016.D
 Acq On : 06 Jan 2021 16:22
 Operator : VA/SY
 Sample : M1021-01
 Misc : 6.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-010621

Quant Time: Jan 07 00:11:11 2021
 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)

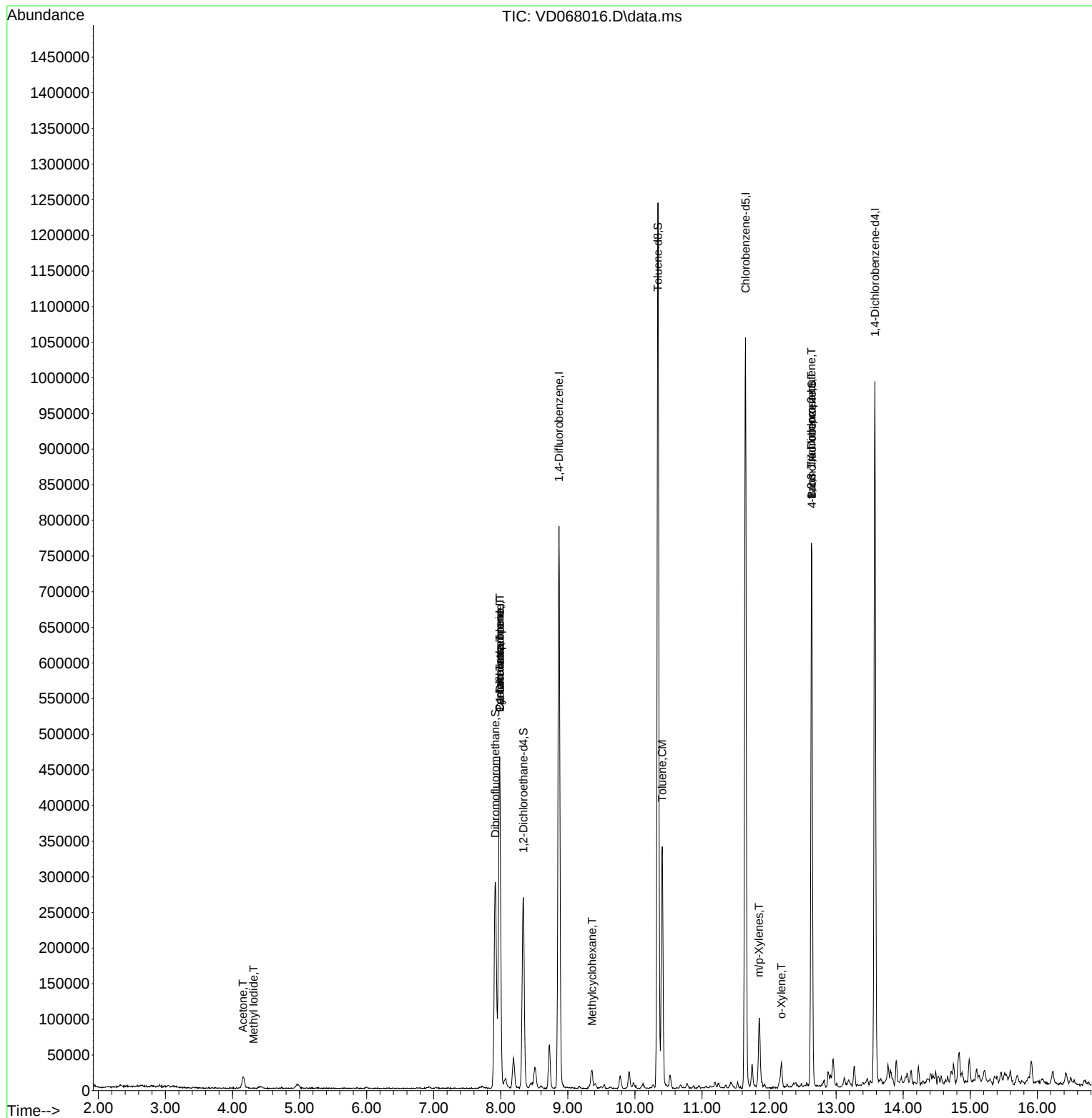
Internal Standards						
1) Pentafluorobenzene	7.985	168	317912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	654761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	597387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	255570	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	214046	62.35	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.70%			
35) Dibromofluoromethane	7.920	113	210227	50.96	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.92%			
50) Toluene-d8	10.344	98	818765	52.80	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.60%			
62) 4-Bromofluorobenzene	12.638	95	258157	48.67	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.34%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	369	Below Cal	#	57
10) Methyl Iodide	4.314	142	83	3.87 ug/l	#	41
11) Tert butyl alcohol	5.232	59	65	Below Cal	#	74
16) Acetone	4.156	43	28309	43.19 ug/l	#	84
20) Methylene Chloride	4.961	84	3501	Below Cal	#	80
31) Cyclohexane	7.985	56	14695	2.09 ug/l	#	37
36) 1,1-Dichloropropene	7.985	75	27654	3.97 ug/l	#	52
38) Carbon Tetrachloride	7.985	117	33686	5.07 ug/l	#	15
39) Methylcyclohexane	9.361	83	8187	1.03 ug/l	#	76
52) Toluene	10.408	92	146422	11.75 ug/l		100
68) m/p-Xylenes	11.849	106	24176	2.76 ug/l		93
69) o-Xylene	12.185	106	8832	1.13 ug/l		94
76) 1,2,3-Trichloropropane	12.632	75	134716	62.61 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.632	75	134716	128.33 ug/l	#	12

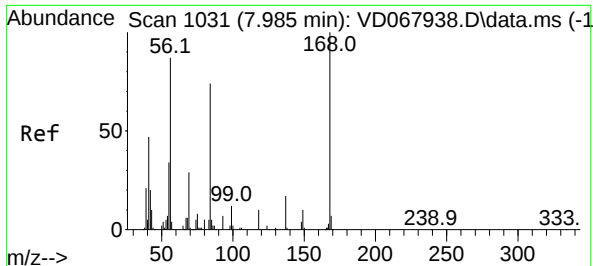
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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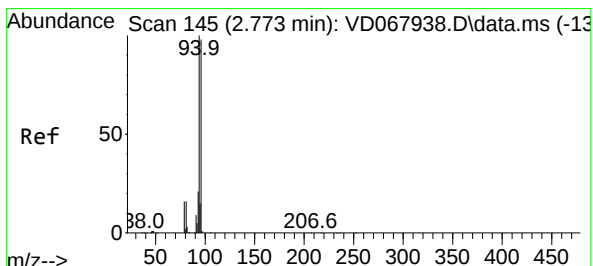
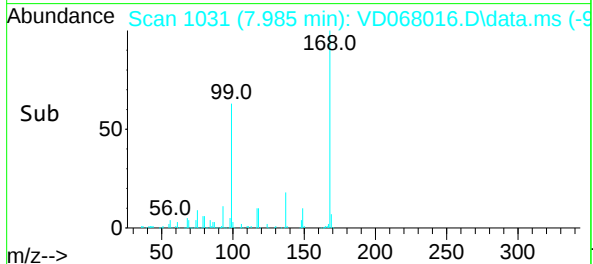
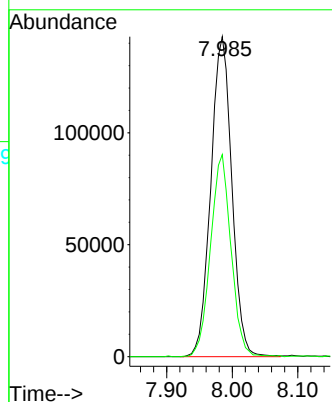
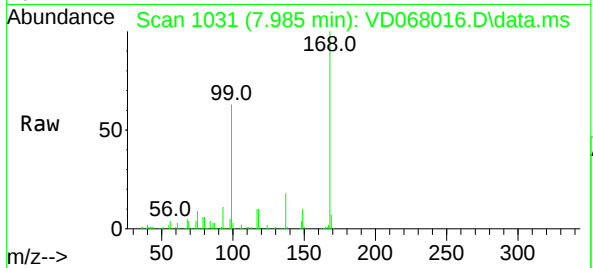




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

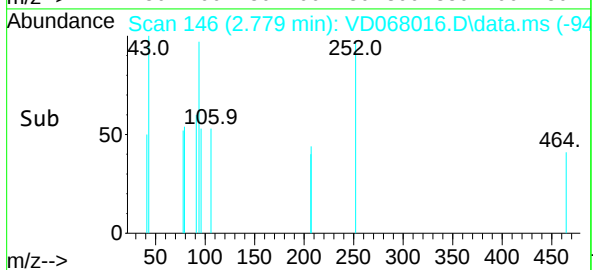
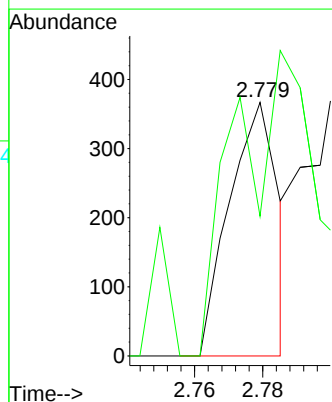
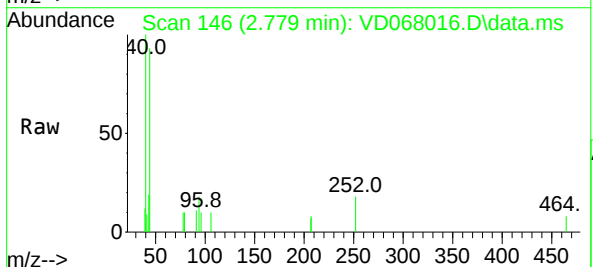
Instrument :
MSVOA_D
ClientSampleId :
OK-02-010621

Tgt Ion:168 Resp: 317912
Ion Ratio Lower Upper
168 100
99 63.2 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.006 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

Tgt Ion: 94 Resp: 369
Ion Ratio Lower Upper
94 100
96 55.0 78.0 117.0#

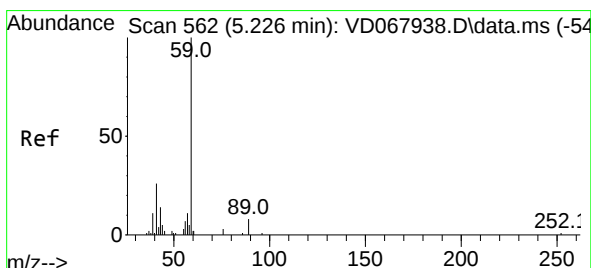
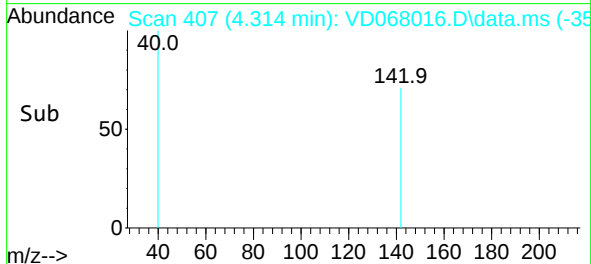
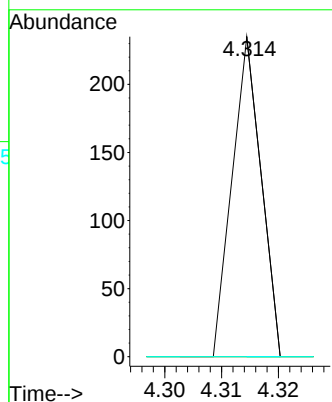
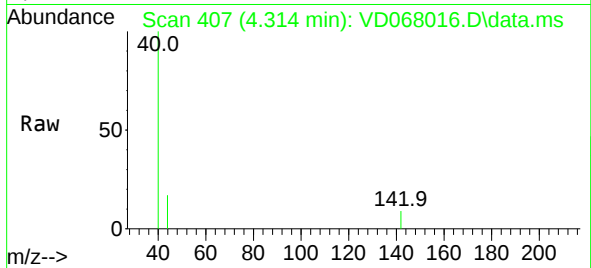




#10
Methyl Iodide
Concen: 3.87 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

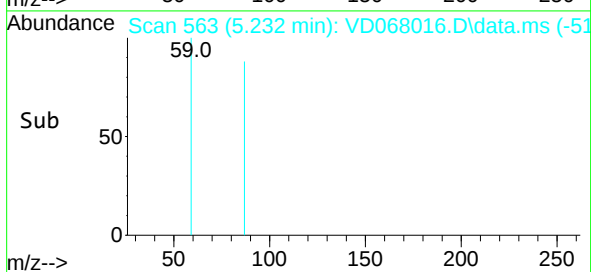
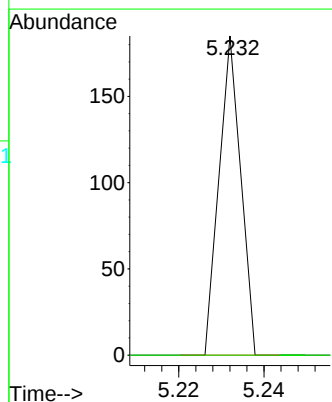
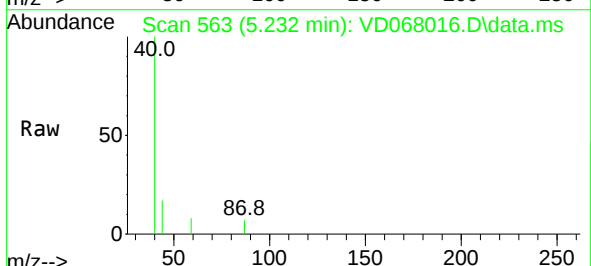
Instrument :
MSVOA_D
ClientSampleId :
OK-02-010621

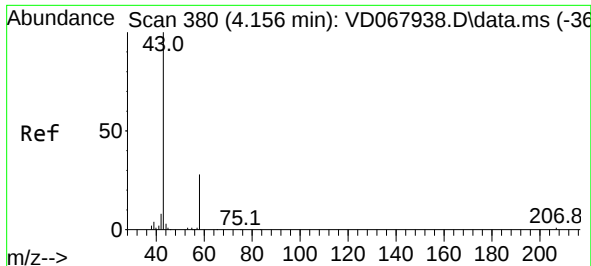
Tgt Ion:142 Resp: 83
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

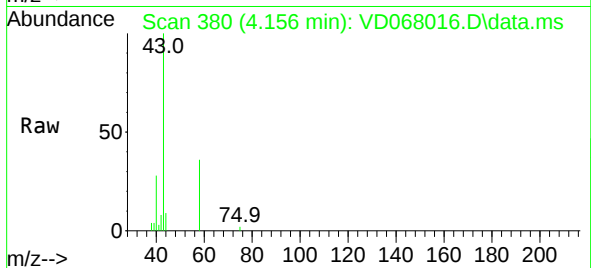
Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



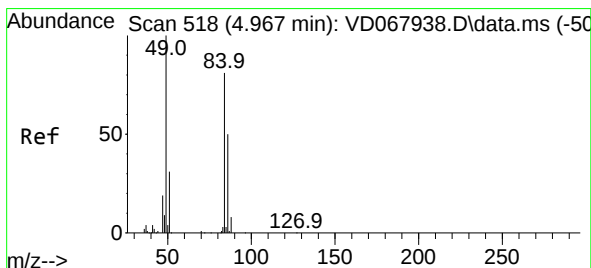
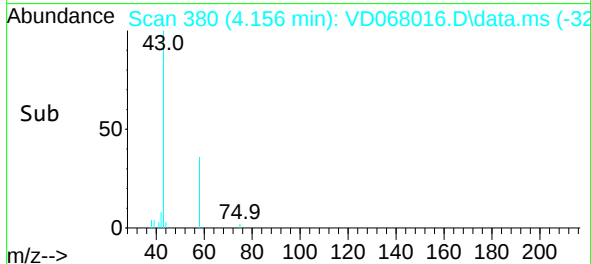
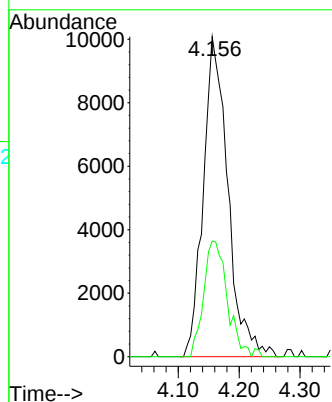


#16
Acetone
Concen: 43.19 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

Instrument :
MSVOA_D
ClientSampleId :
OK-02-010621

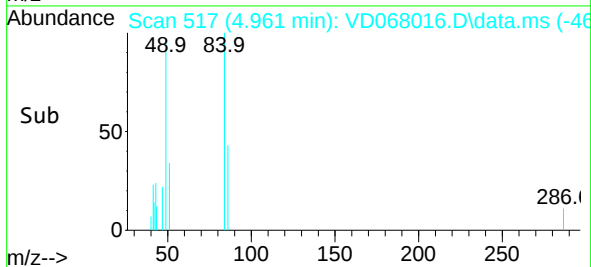
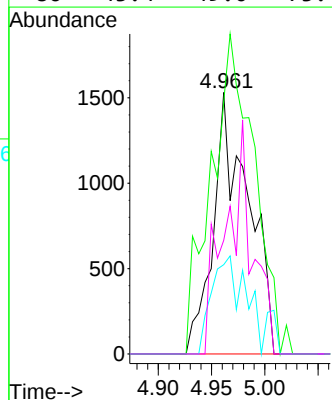
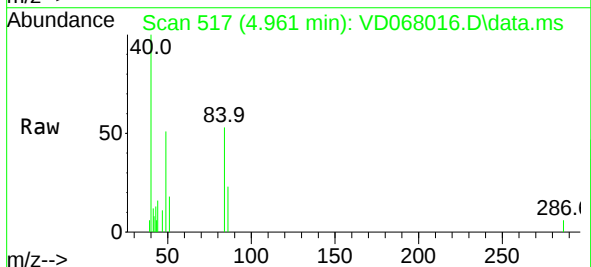


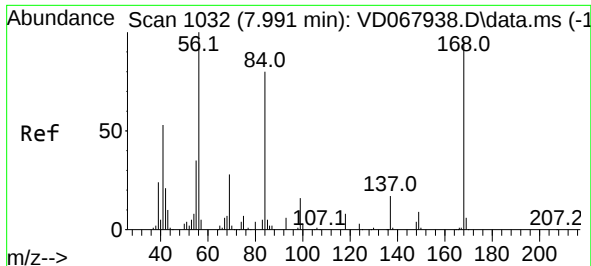
Tgt Ion: 43 Resp: 28309
Ion Ratio Lower Upper
43 100
58 36.2 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

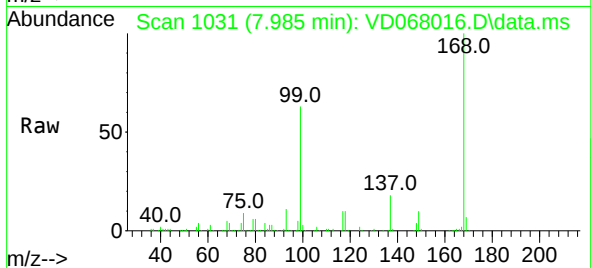
Tgt Ion: 84 Resp: 3501
Ion Ratio Lower Upper
84 100
49 96.5 98.3 147.5#
51 34.2 30.3 45.5
86 43.4 49.0 73.4#



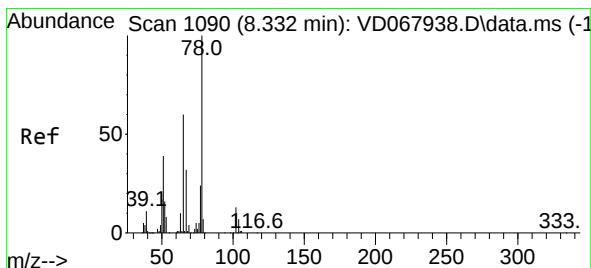
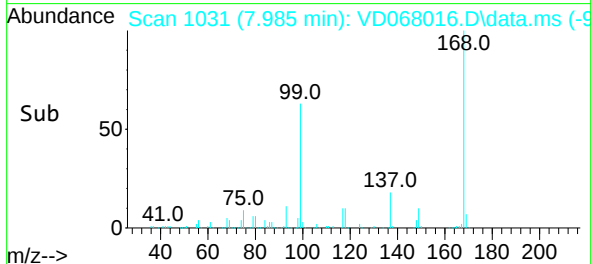
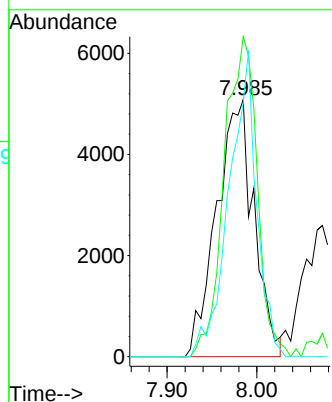


#31
Cyclohexane
Concen: 2.09 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

Instrument :
MSVOA_D
ClientSampleId :
OK-02-010621

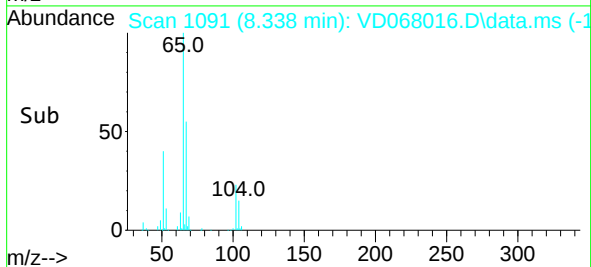
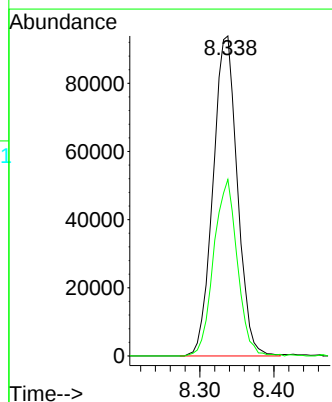
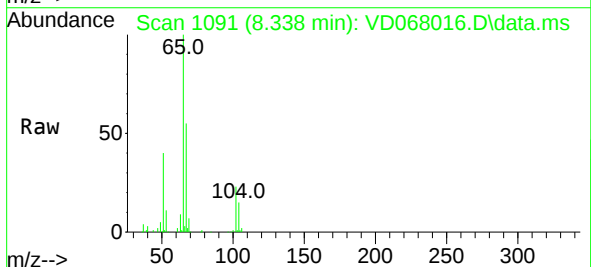


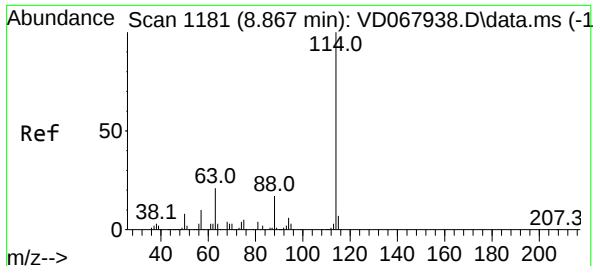
Tgt Ion: 56 Resp: 14695
Ion Ratio Lower Upper
56 100
69 124.4 22.7 34.1#
84 98.7 64.2 96.4#



#33
1,2-Dichloroethane-d4
Concen: 62.35 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

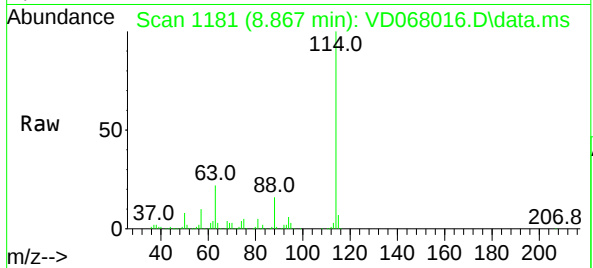
Tgt Ion: 65 Resp: 214046
Ion Ratio Lower Upper
65 100
67 53.7 0.0 110.0



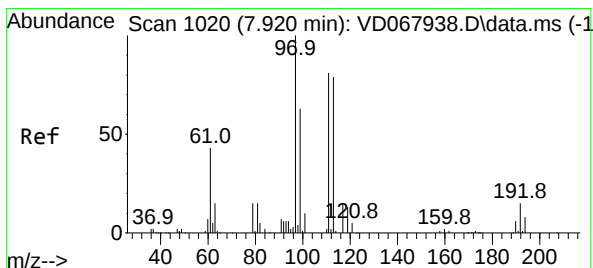
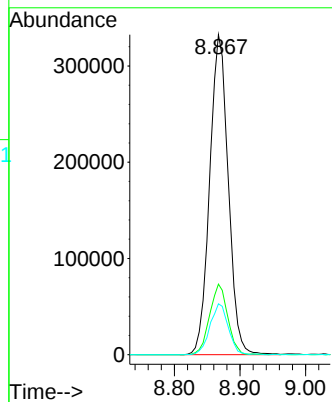
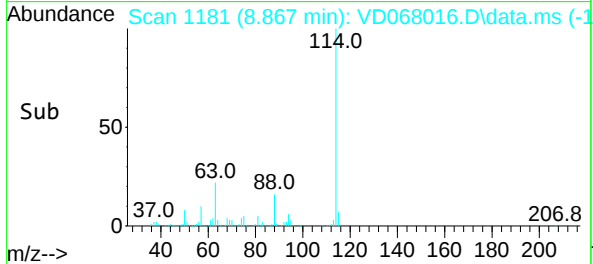


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

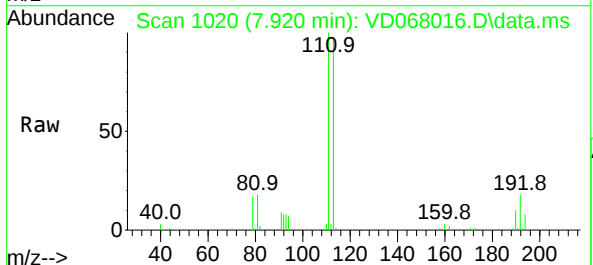
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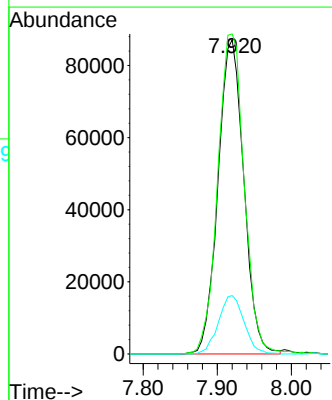
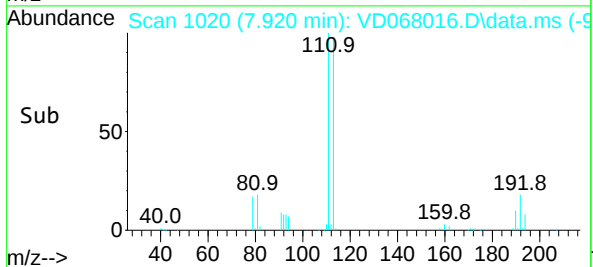
Tgt Ion:114 Resp: 654761
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.4
88 15.9 0.0 33.2

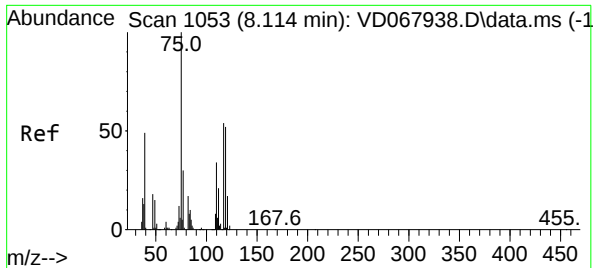


#35
Dibromofluoromethane
Concen: 50.96 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22



Tgt Ion:113 Resp: 210227
Ion Ratio Lower Upper
113 100
111 105.0 79.3 118.9
192 18.5 14.5 21.7

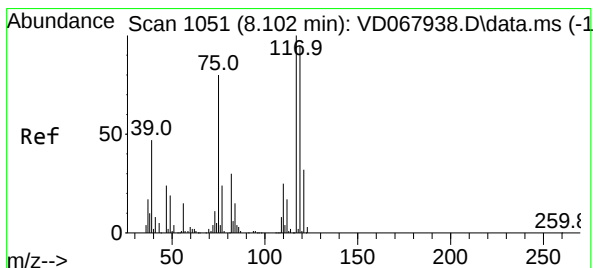
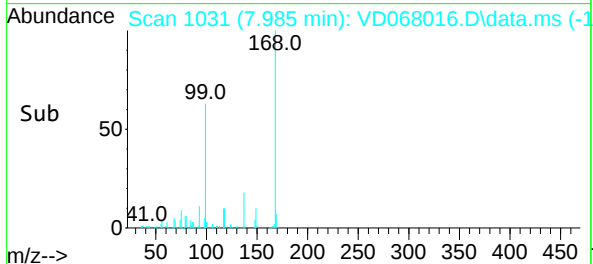
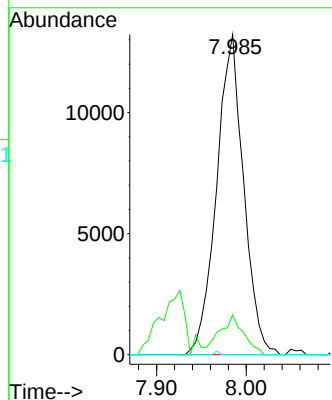
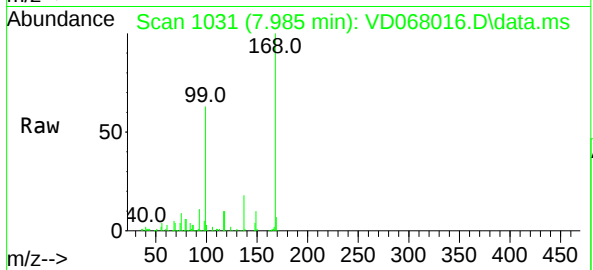




#36
1,1-Dichloropropene
Concen: 3.97 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

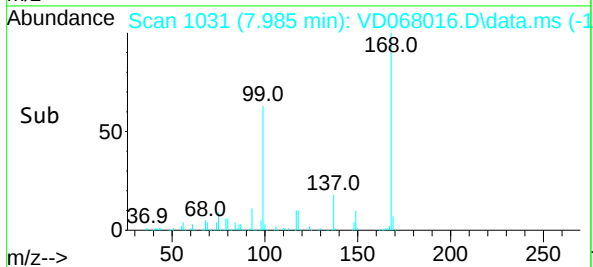
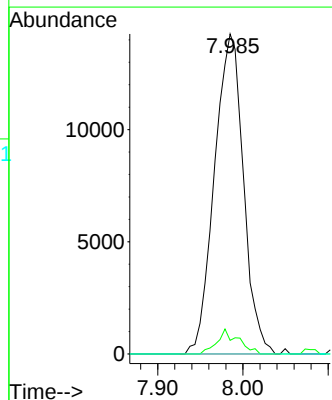
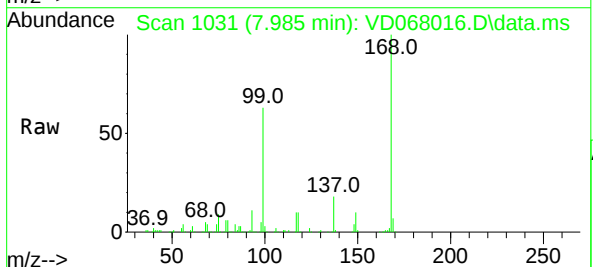
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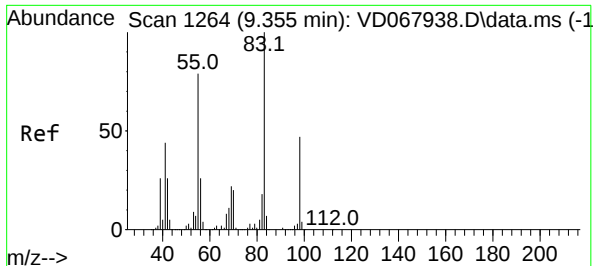
Tgt Ion: 75 Resp: 27654
Ion Ratio Lower Upper
75 100
110 10.9 17.0 51.0#
77 0.2 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.07 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.118 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

Tgt Ion: 117 Resp: 33686
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.4#
121 0.0 25.9 38.9#





#39

Methylcyclohexane

Concen: 1.03 ug/l

RT: 9.361 min Scan# 1265

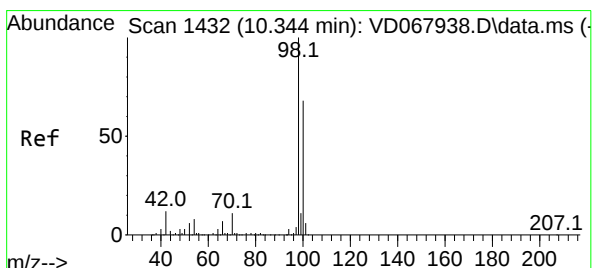
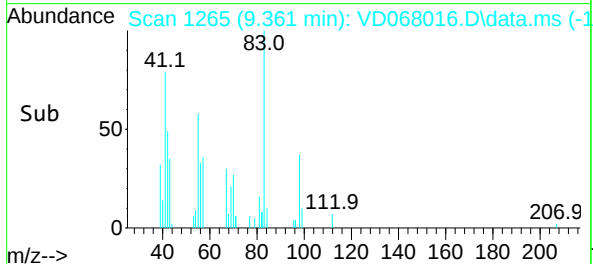
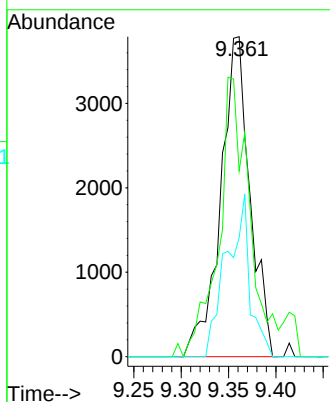
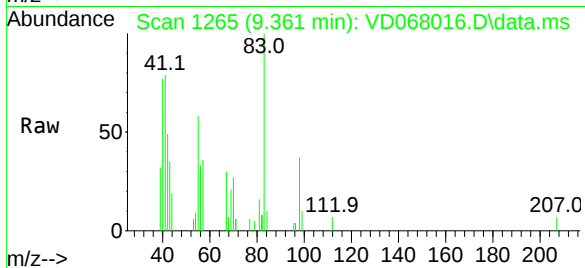
Delta R.T. 0.006 min

Lab File: VD068016.D

Acq: 06 Jan 2021 16:22

Tgt Ion:	83	Resp:	8187
Ion	Ratio	Lower	Upper
83	100		
55	53.9	63.5	95.3#
98	37.2	37.3	55.9#

Instrument :
MSVOA_D
ClientSampleId :
OK-02-010621



#50

Toluene-d8

Concen: 52.80 ug/l

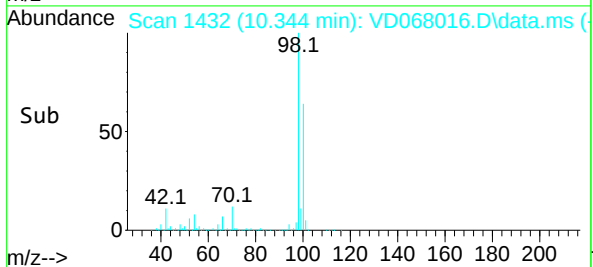
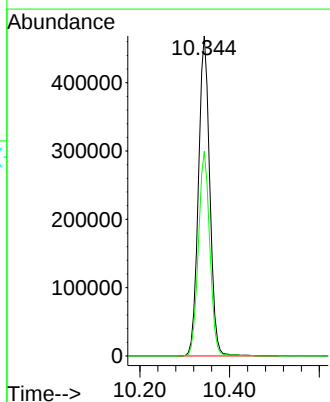
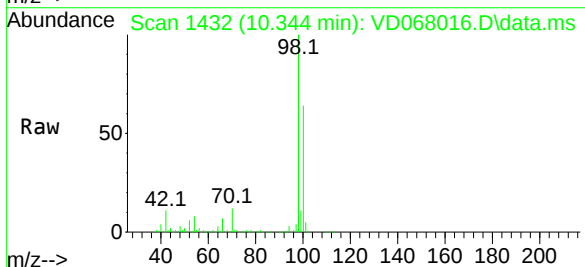
RT: 10.344 min Scan# 1432

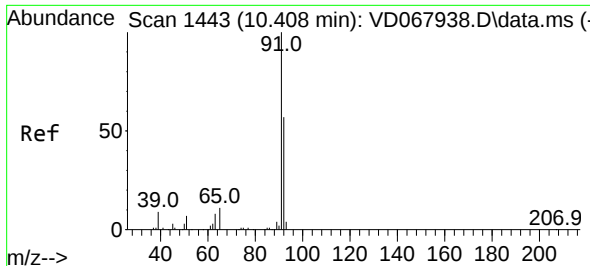
Delta R.T. 0.000 min

Lab File: VD068016.D

Acq: 06 Jan 2021 16:22

Tgt Ion:	98	Resp:	818765
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.5	78.7

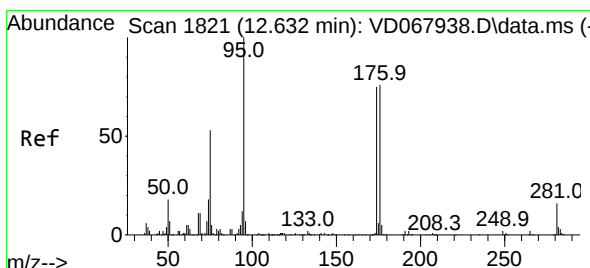
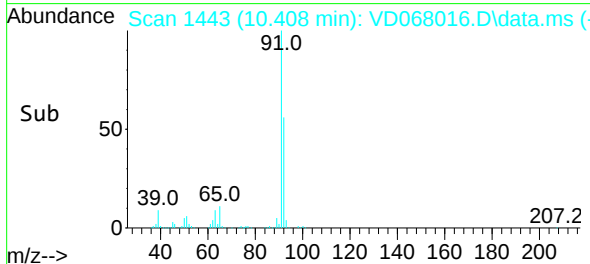
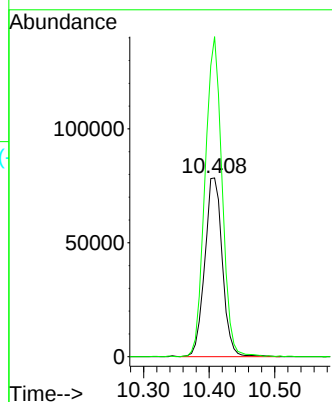
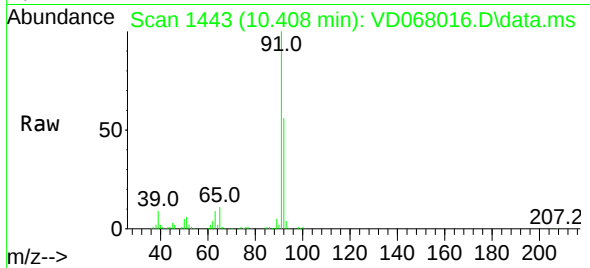




#52
Toluene
Concen: 11.75 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

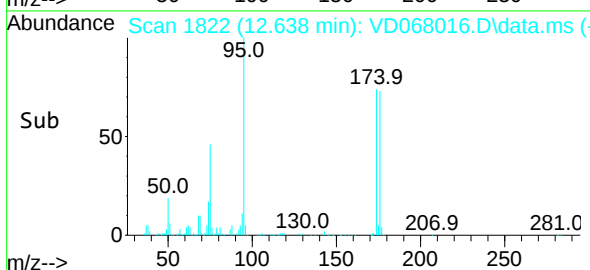
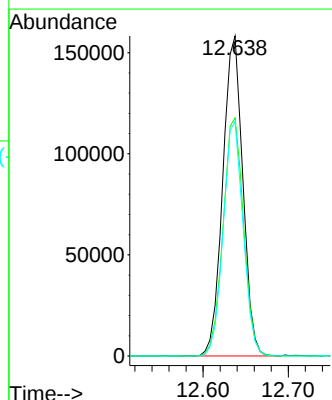
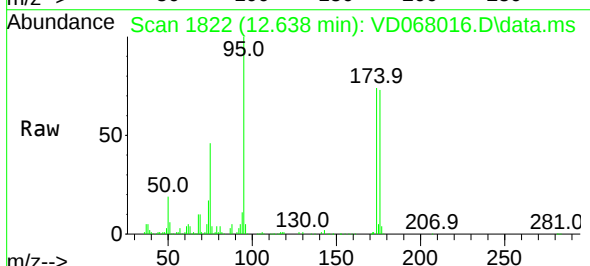
Instrument :
MSVOA_D
ClientSampleId :
OK-02-010621

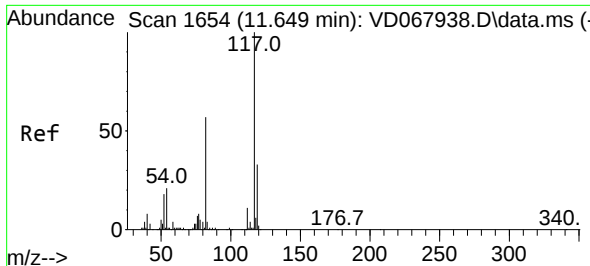
Tgt Ion: 92 Resp: 146422
Ion Ratio Lower Upper
92 100
91 173.5 138.5 207.7



#62
4-Bromofluorobenzene
Concen: 48.67 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

Tgt Ion: 95 Resp: 258157
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.6
176 72.7 0.0 151.2

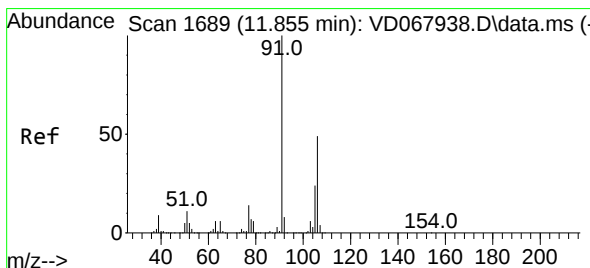
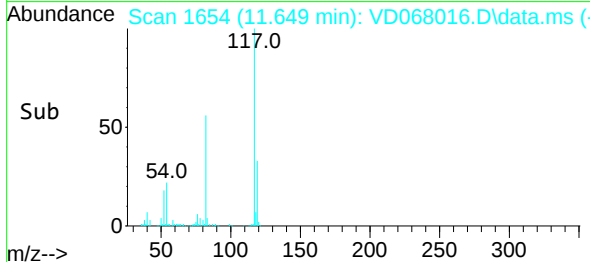
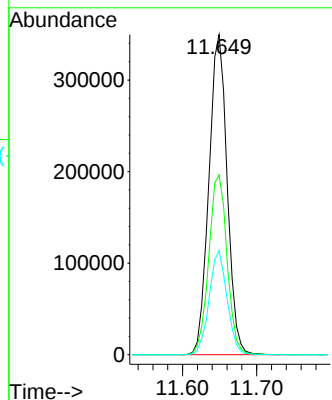
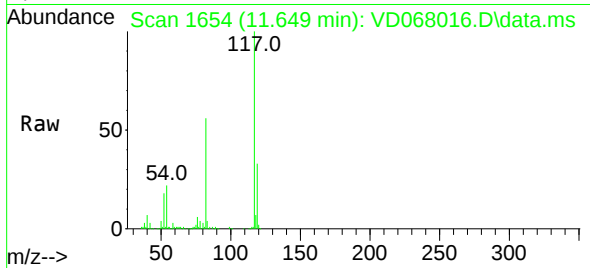




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

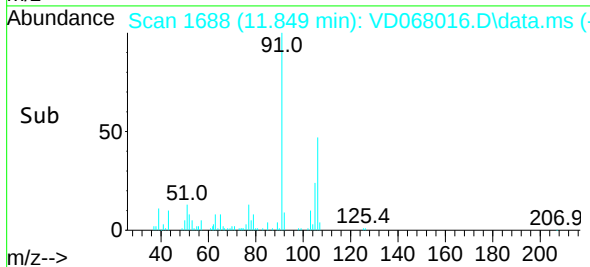
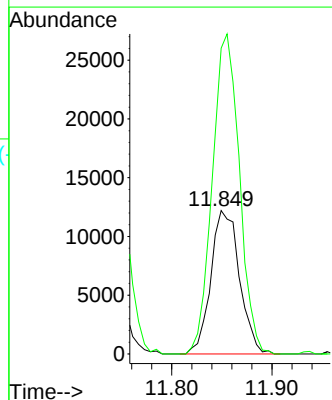
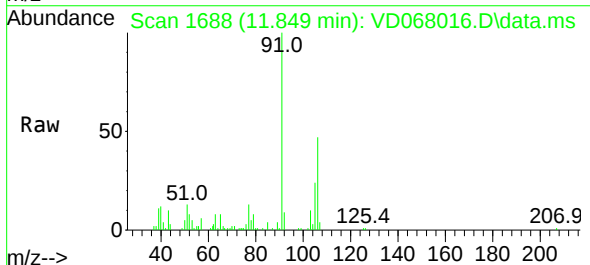
Instrument :
MSVOA_D
ClientSampleId :
OK-02-010621

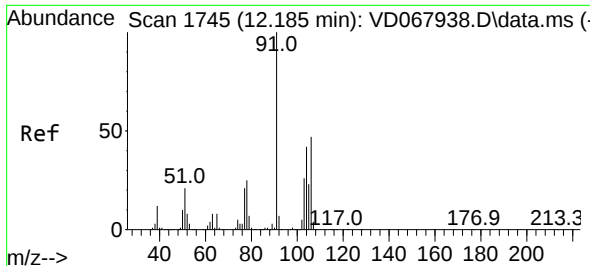
Tgt Ion:117 Resp: 597387
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.0
119 32.5 26.7 40.1



#68
m/p-Xylenes
Concen: 2.76 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

Tgt Ion:106 Resp: 24176
Ion Ratio Lower Upper
106 100
91 211.1 159.9 239.9

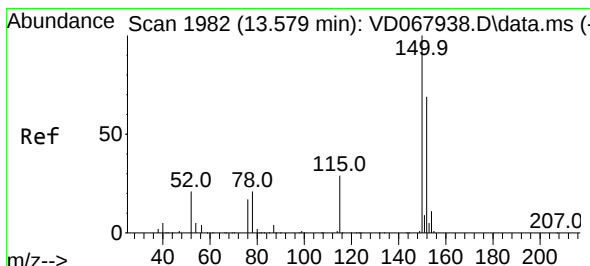
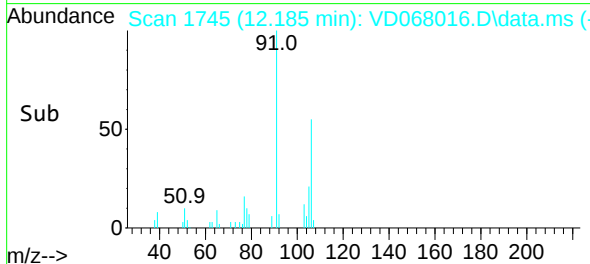
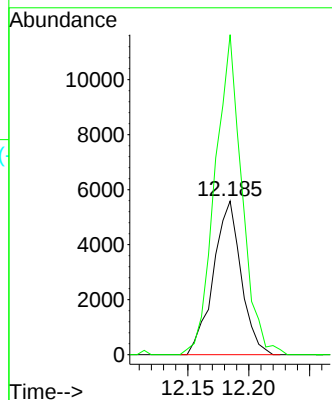
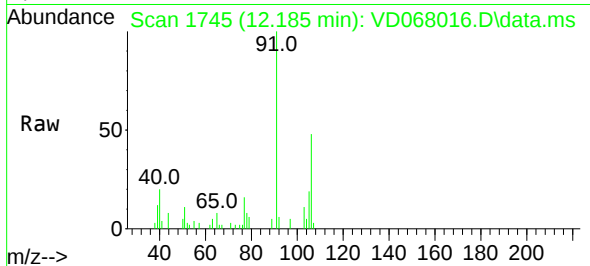




#69
o-Xylene
Concen: 1.13 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.000 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

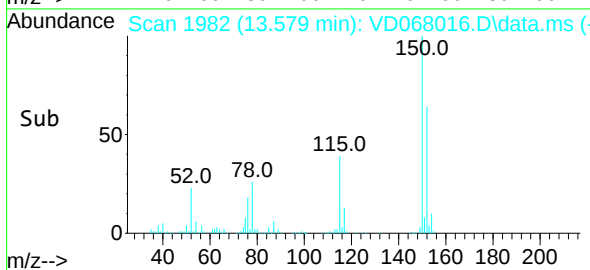
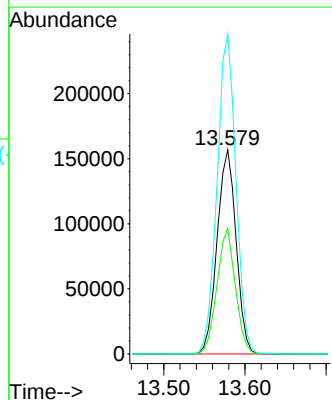
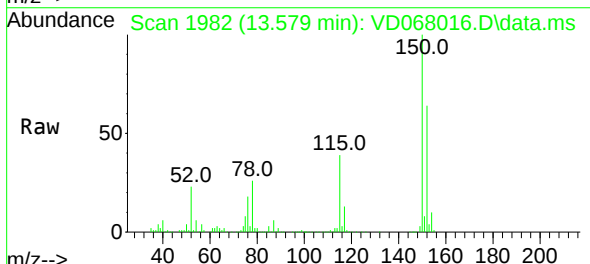
Instrument :
MSVOA_D
ClientSampleId :
OK-02-010621

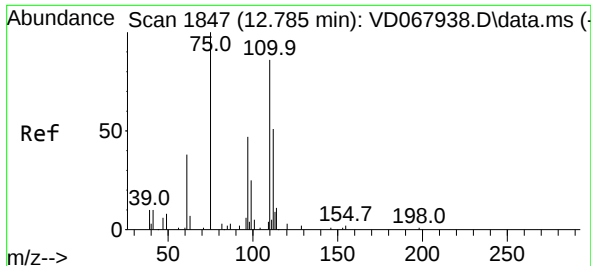
Tgt Ion:106 Resp: 8832
Ion Ratio Lower Upper
106 100
91 202.8 106.0 317.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

Tgt Ion:152 Resp: 255570
Ion Ratio Lower Upper
152 100
115 59.6 29.3 88.0
150 155.0 0.0 340.0

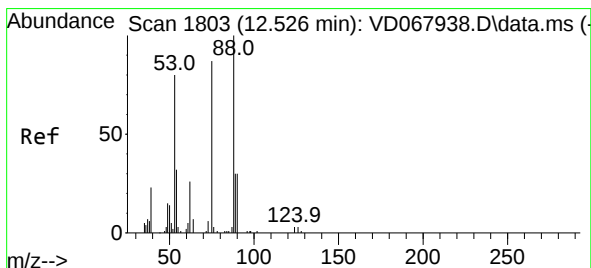
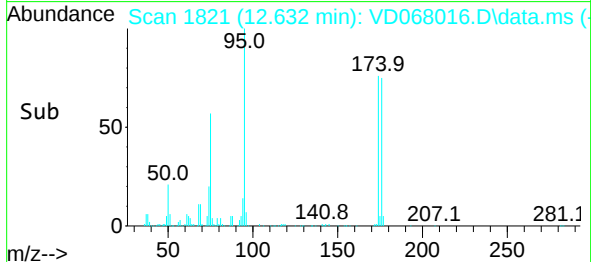
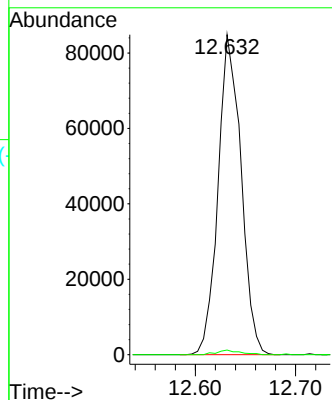
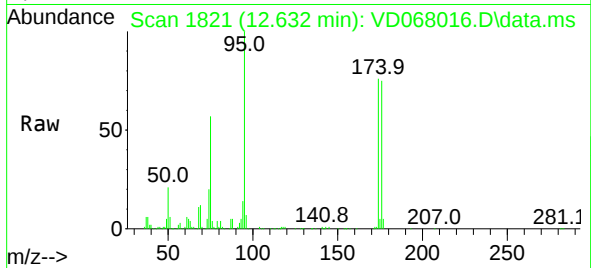




#76
1,2,3-Trichloropropane
Concen: 62.61 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

Instrument :
MSVOA_D
ClientSampleId :
OK-02-010621

Tgt Ion: 75 Resp: 134716
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.33 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068016.D
Acq: 06 Jan 2021 16:22

Tgt Ion: 75 Resp: 134716
Ion Ratio Lower Upper
75 100
53 0.3 74.9 112.3#
89 0.0 33.8 50.8#

