

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012221\
 Data File : VD068155.D
 Acq On : 22 Jan 2021 15:04
 Operator : VA/SY
 Sample : M1209-02
 Misc : 5.5G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-069

Quant Time: Jan 22 23:59:26 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)

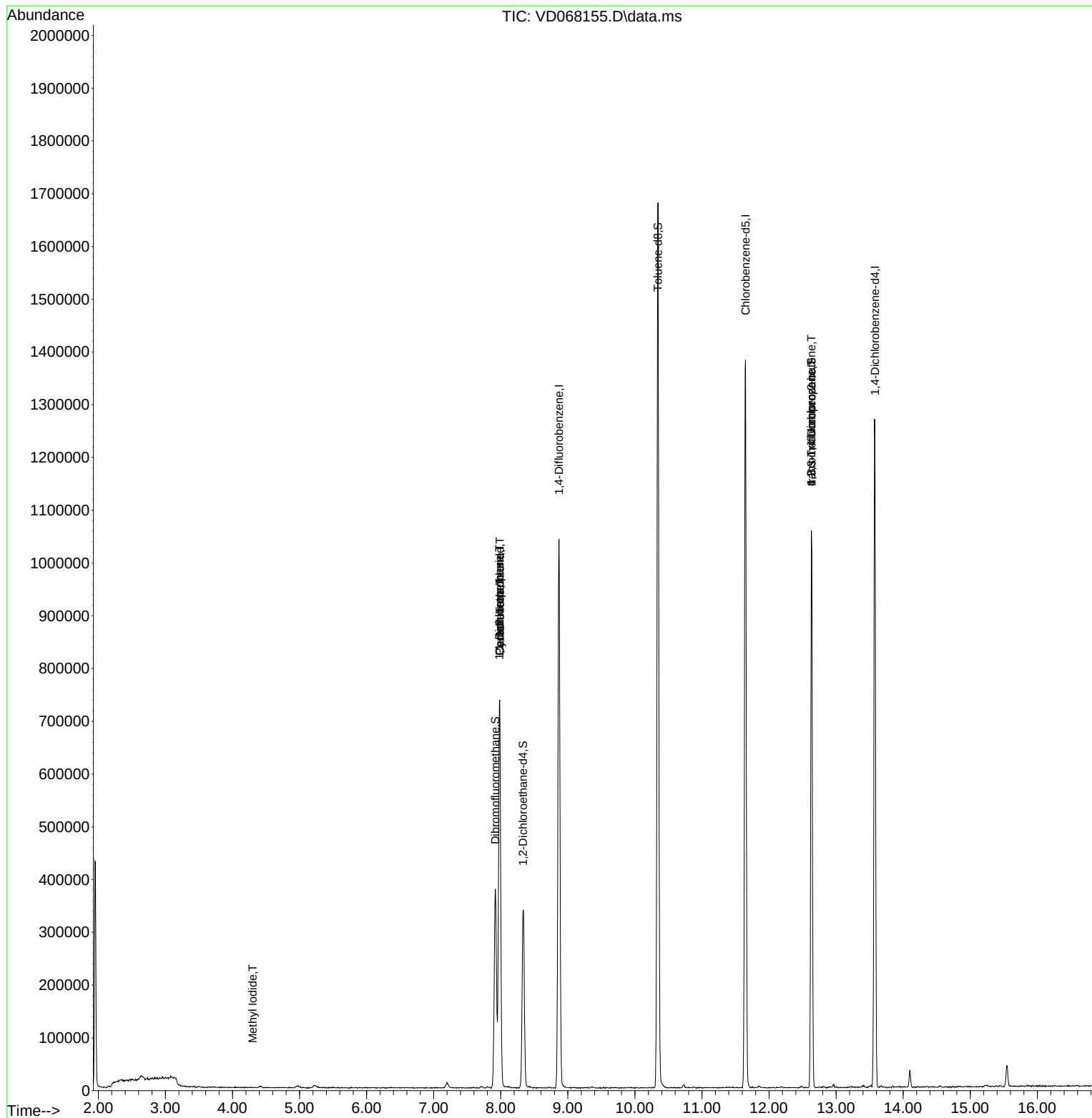
Internal Standards						
1) Pentafluorobenzene	7.985	168	552296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	948813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	828146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	350893	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	281610	53.30	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.60%	
35) Dibromofluoromethane	7.920	113	277798	52.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.92%	
50) Toluene-d8	10.344	98	1169363	55.73	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.46%	
62) 4-Bromofluorobenzene	12.632	95	367583	48.65	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.30%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	629	3.25	ug/l #	38
11) Tert butyl alcohol	5.220	59	4633	Below	Cal	96
20) Methylene Chloride	4.962	84	1480	Below	Cal #	86
31) Cyclohexane	7.985	56	13038	1.14	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	45419	4.75	ug/l #	47
38) Carbon Tetrachloride	7.985	117	56831	6.35	ug/l #	16
76) 1,2,3-Trichloropropane	12.632	75	188960	55.70	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	188960	112.70	ug/l #	13

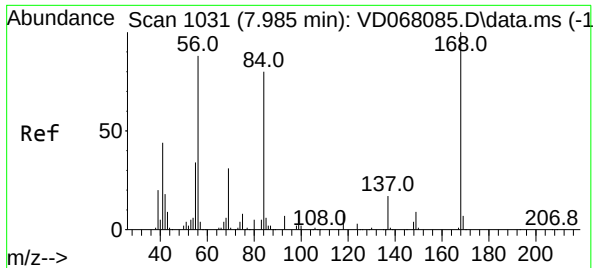
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

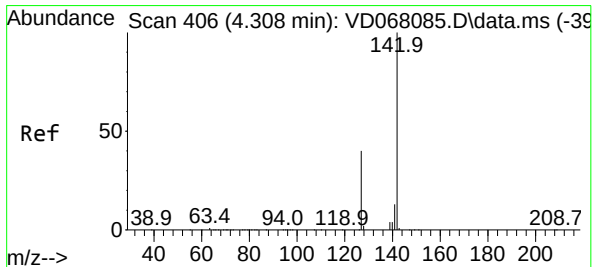
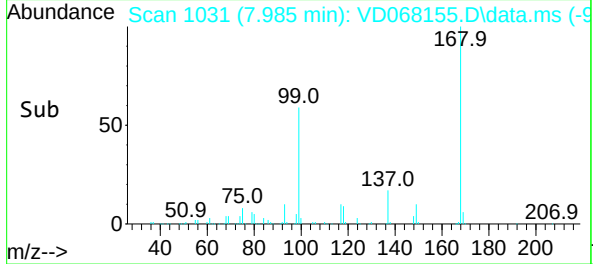
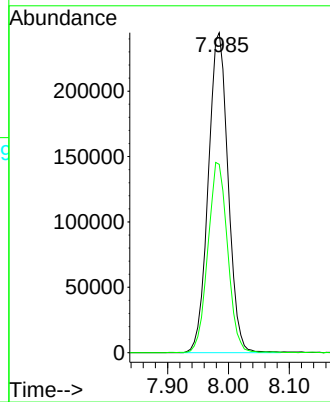
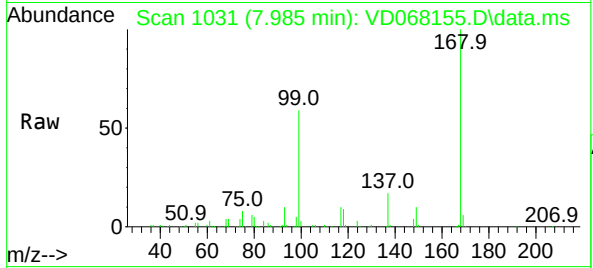




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

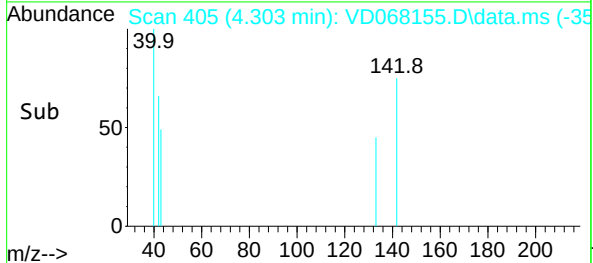
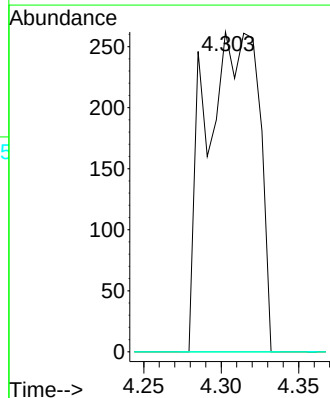
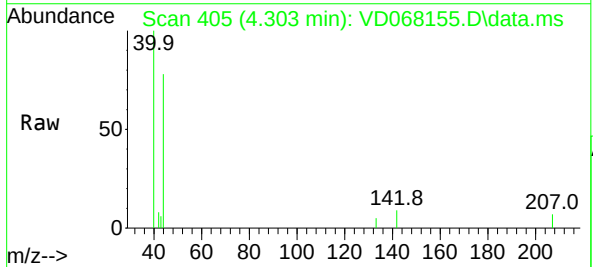
Instrument :
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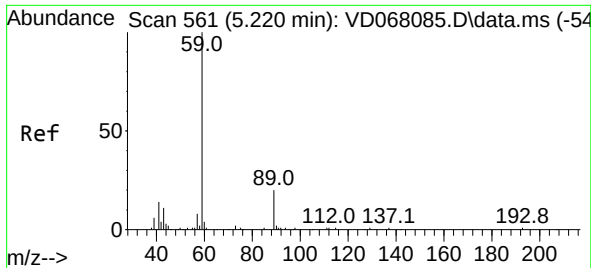
Tgt Ion:168 Resp: 552296
Ion Ratio Lower Upper
168 100
99 58.7 43.5 65.3



#10
Methyl Iodide
Concen: 3.25 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.005 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

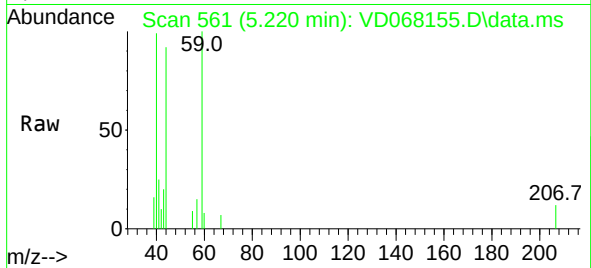
Tgt Ion:142 Resp: 629
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#



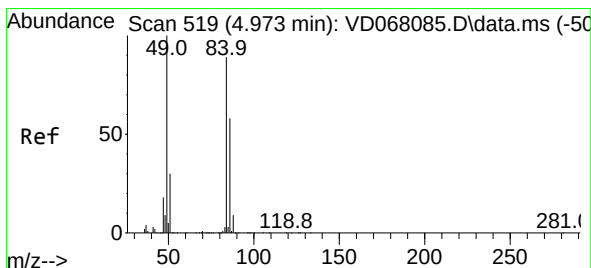
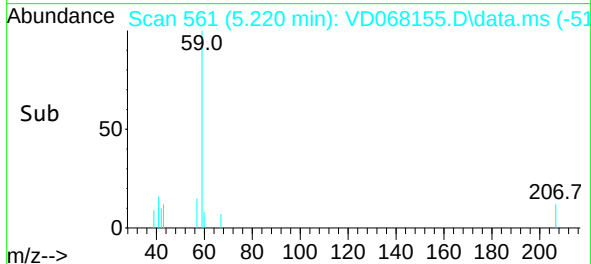
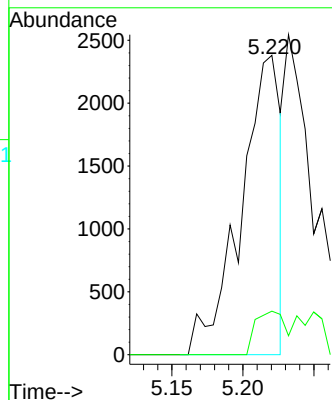


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

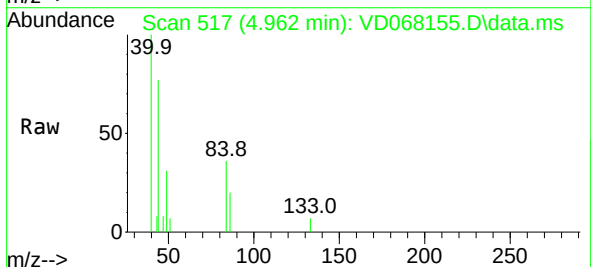
Instrument :
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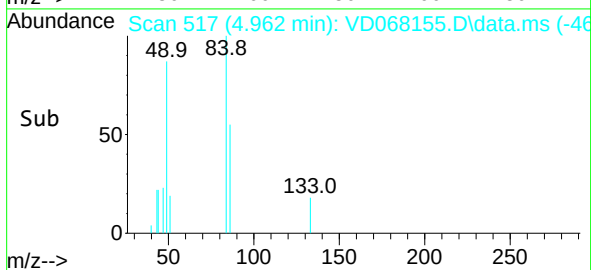
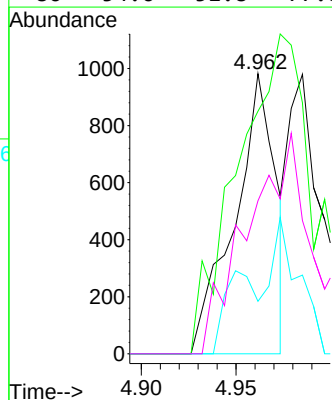
Tgt Ion: 59 Resp: 4633
Ion Ratio Lower Upper
59 100
57 10.7 7.4 11.2

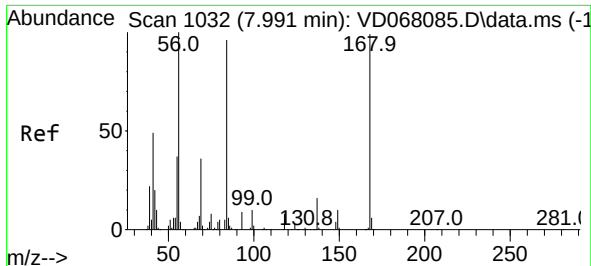


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.011 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04



Tgt Ion: 84 Resp: 1480
Ion Ratio Lower Upper
84 100
49 86.6 77.4 116.2
51 18.7 26.1 39.1#
86 54.6 51.8 77.8

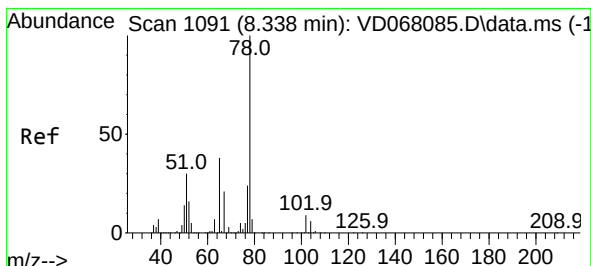
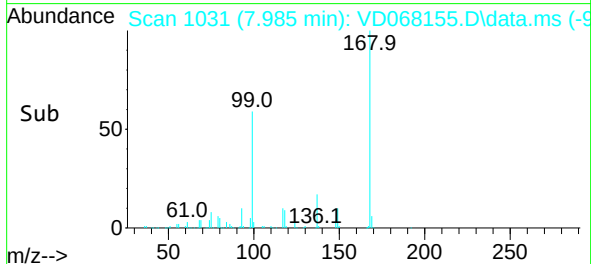
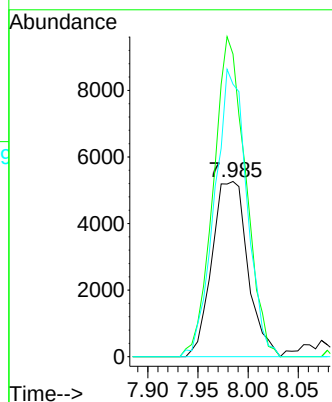
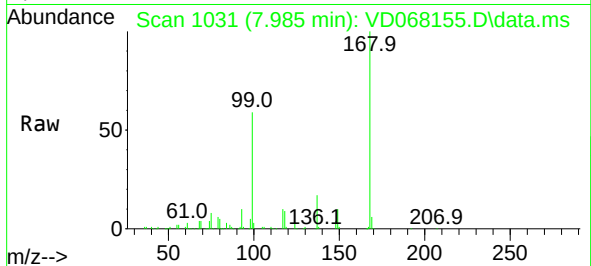




#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

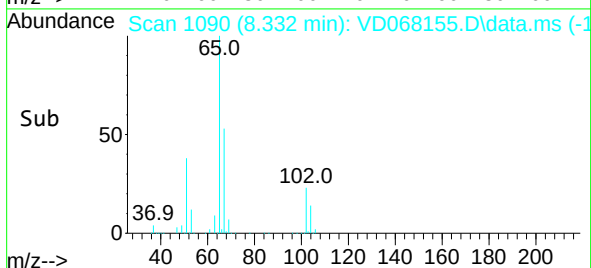
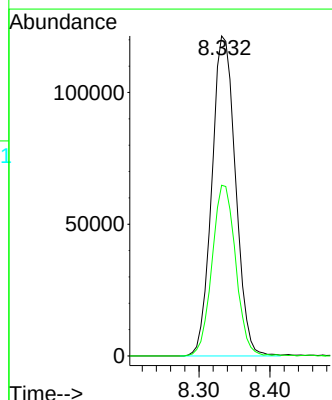
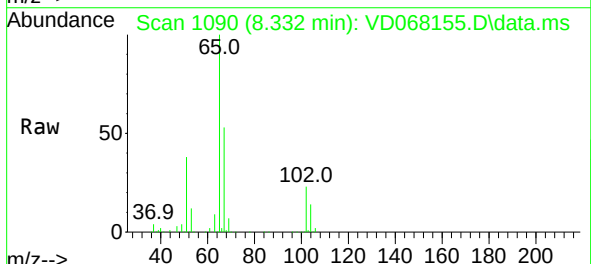
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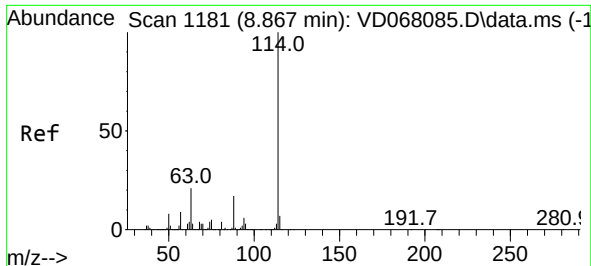
Tgt Ion: 56 Resp: 13038
Ion Ratio Lower Upper
56 100
69 172.7 30.1 45.1#
84 155.5 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 53.30 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

Tgt Ion: 65 Resp: 281610
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.0

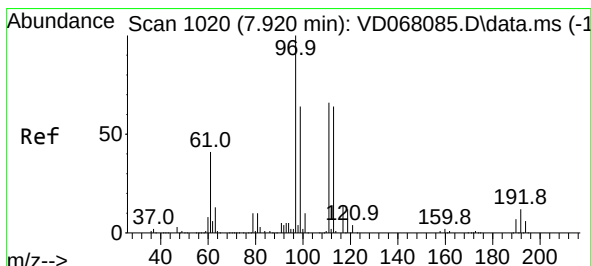
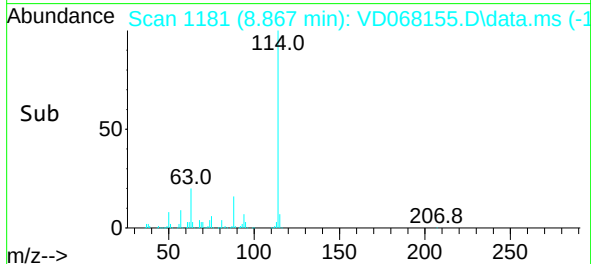
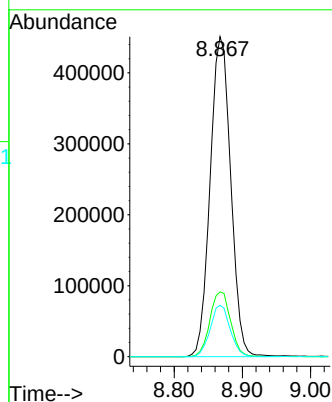
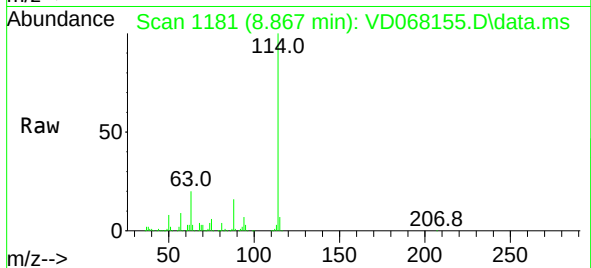




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

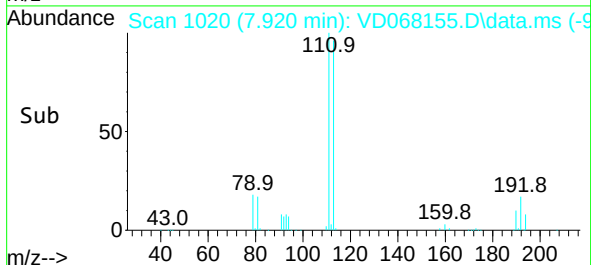
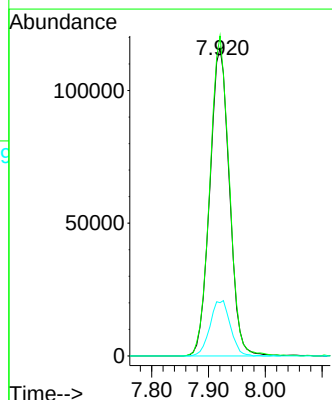
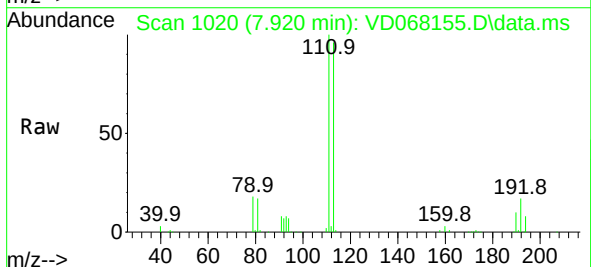
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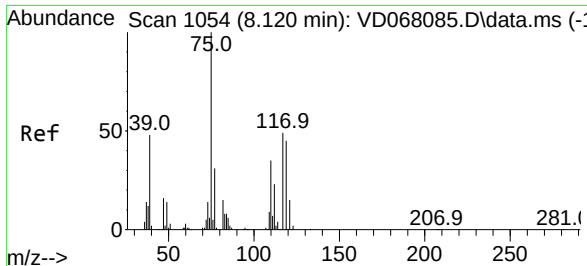
Tgt Ion:114 Resp: 948813
Ion Ratio Lower Upper
114 100
63 20.3 0.0 34.8
88 16.1 0.0 31.6



#35
Dibromofluoromethane
Concen: 52.96 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

Tgt Ion:113 Resp: 277798
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 18.6 16.1 24.1

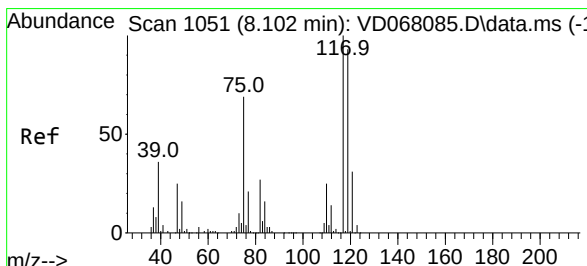
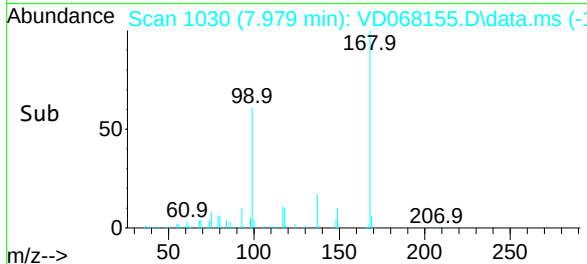
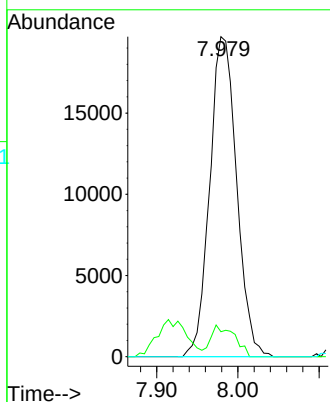
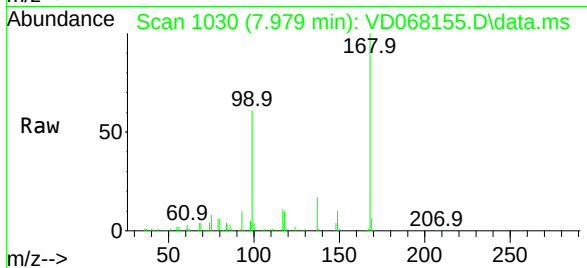




#36
1,1-Dichloropropene
Concen: 4.75 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.141 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

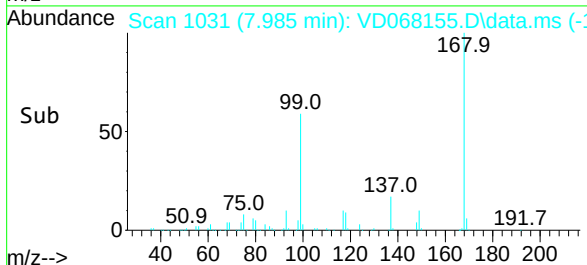
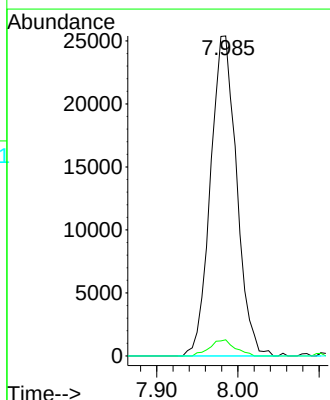
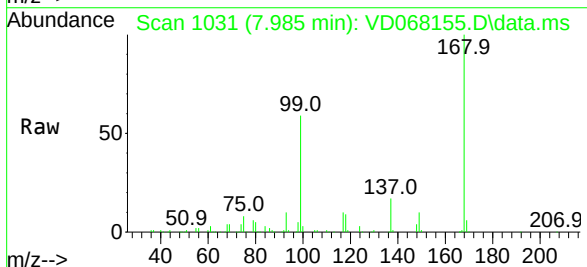
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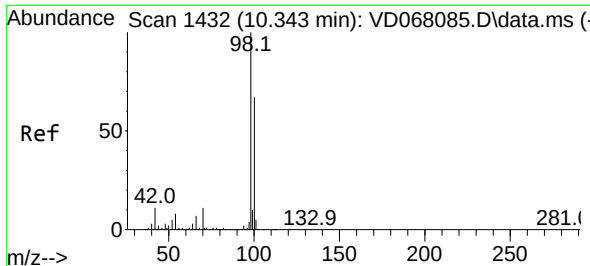
Tgt Ion: 75 Resp: 45419
Ion Ratio Lower Upper
75 100
110 8.6 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.35 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

Tgt Ion: 117 Resp: 56831
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.7 37.1#

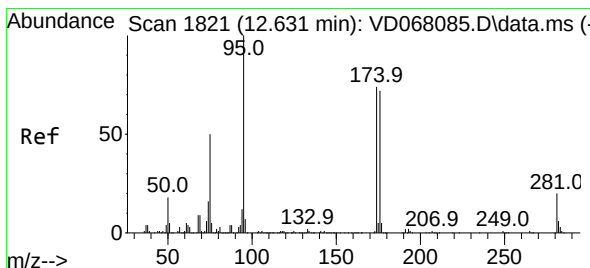
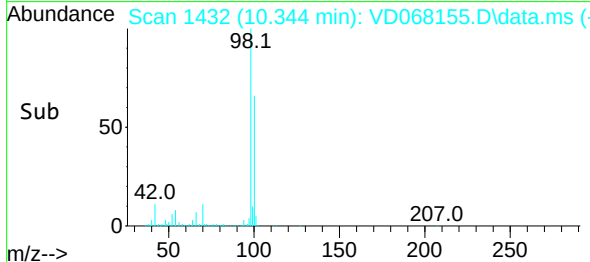
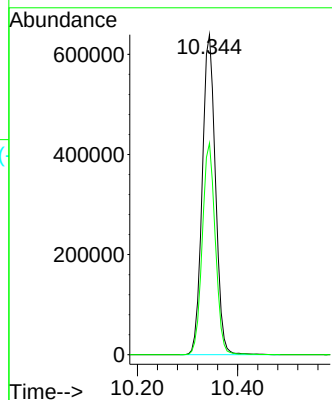
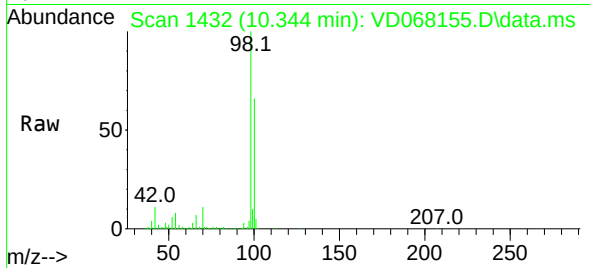




#50
Toluene-d8
Concen: 55.73 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

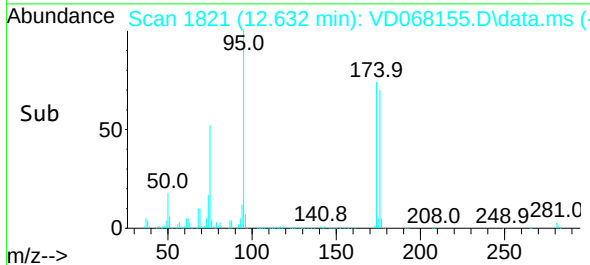
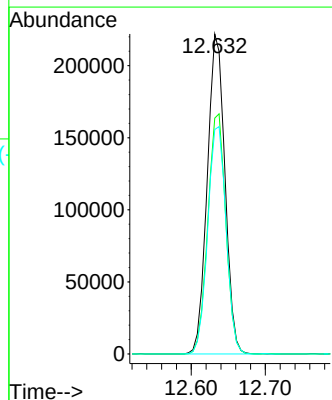
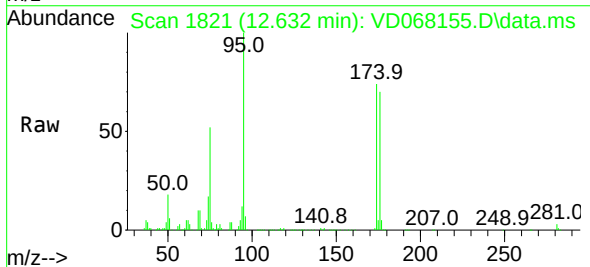
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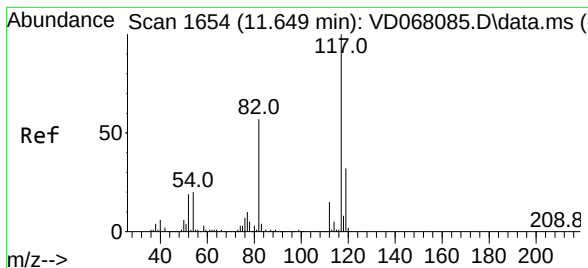
Tgt Ion: 98 Resp: 1169363
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.65 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

Tgt Ion: 95 Resp: 367583
Ion Ratio Lower Upper
95 100
174 76.3 0.0 172.4
176 73.5 0.0 168.4

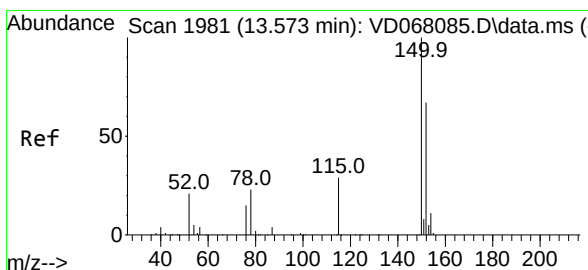
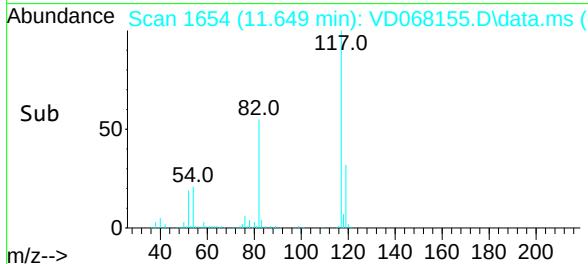
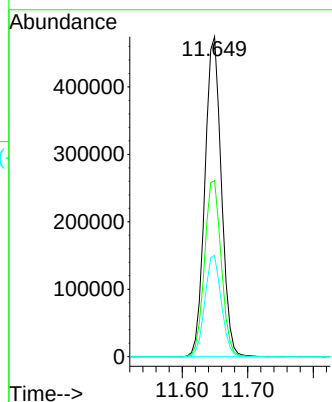
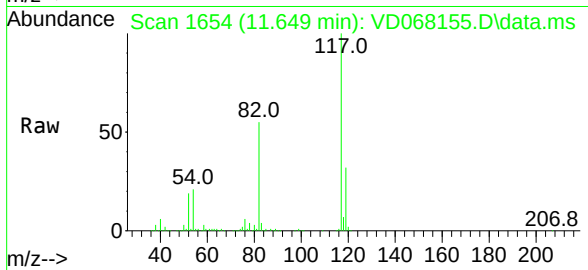




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

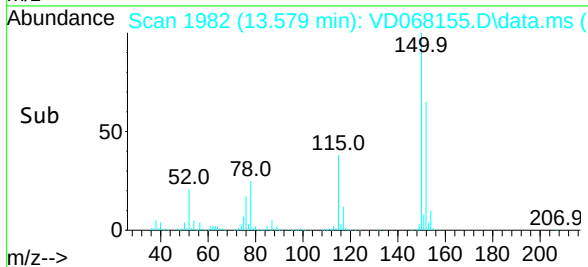
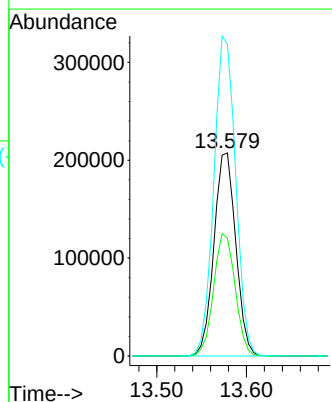
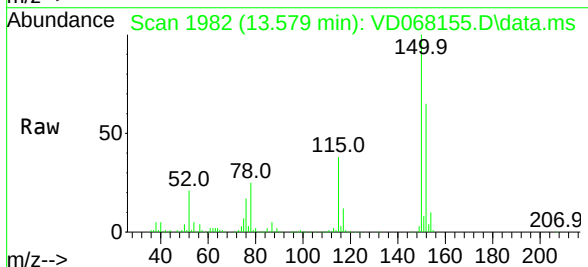
Instrument :
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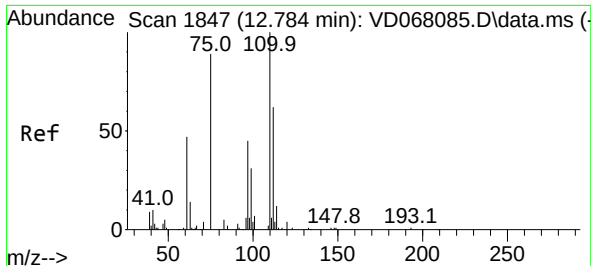
Tgt Ion:117 Resp: 828146
Ion Ratio Lower Upper
117 100
82 55.0 41.4 62.0
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

Tgt Ion:152 Resp: 350893
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.8
150 157.0 0.0 344.4

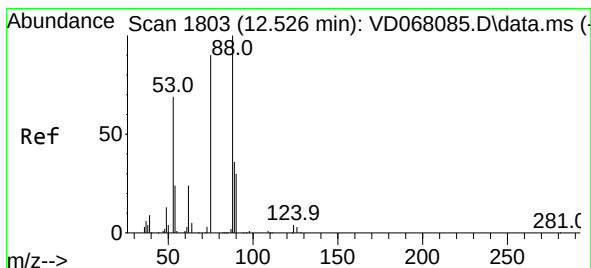
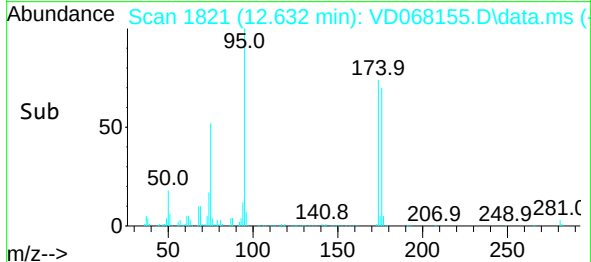
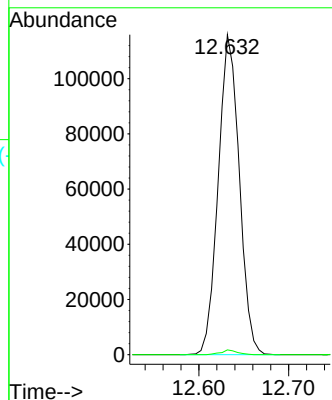
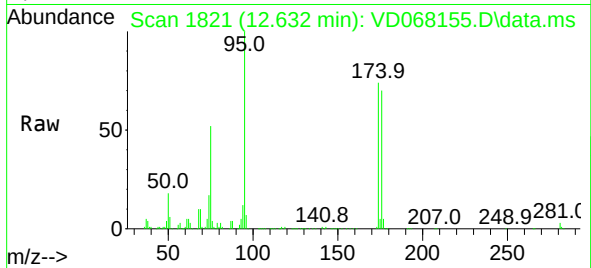




#76
1,2,3-Trichloropropane
Concen: 55.70 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-069

Tgt Ion: 75 Resp: 188960
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.70 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068155.D
Acq: 22 Jan 2021 15:04

Tgt Ion: 75 Resp: 188960
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

