

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
 Data File : VD068231.D
 Acq On : 28 Jan 2021 18:50
 Operator : VA/SY
 Sample : M1269-01
 Misc : 6.53G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-012821

Quant Time: Jan 29 00:11:53 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)

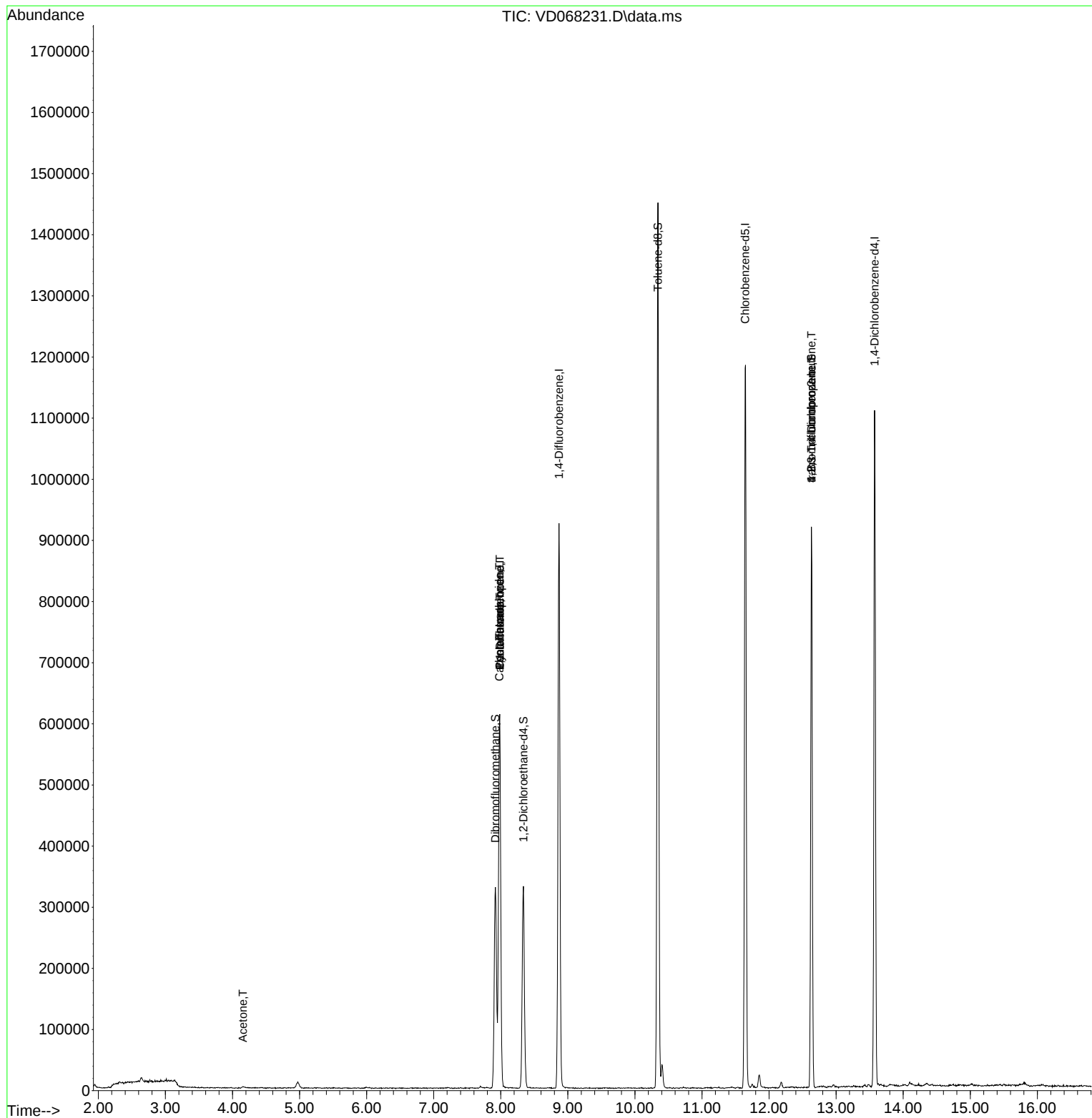
Internal Standards						
1) Pentafluorobenzene	7.985	168	469570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	823387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	722859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	299845	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	256907	57.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.38%			
35) Dibromofluoromethane	7.920	113	243442	53.48	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.96%			
50) Toluene-d8	10.344	98	1009060	55.42	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.84%			
62) 4-Bromofluorobenzene	12.632	95	318389	48.56	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.12%			
Target Compounds						
11) Tert butyl alcohol	5.220	59	275	Below Cal	#	74
16) Acetone	4.156	43	4041	5.04 ug/l	#	78
20) Methylene Chloride	4.979	84	8398	Below Cal	#	93
31) Cyclohexane	7.985	56	10510	1.08 ug/l	#	24
36) 1,1-Dichloropropene	7.985	75	38404	4.63 ug/l	#	46
38) Carbon Tetrachloride	7.979	117	47880	6.16 ug/l	#	15
76) 1,2,3-Trichloropropane	12.632	75	159986	55.18 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.632	75	159986	111.67 ug/l	#	13

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

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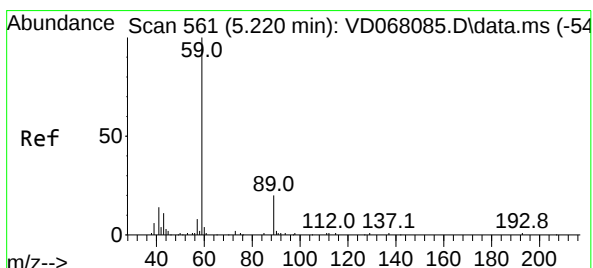
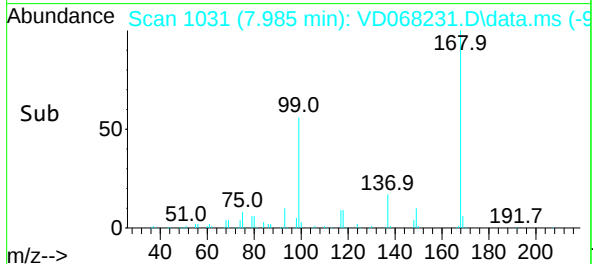
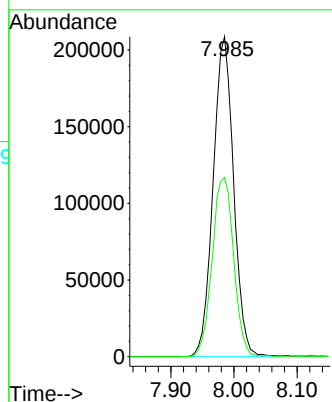
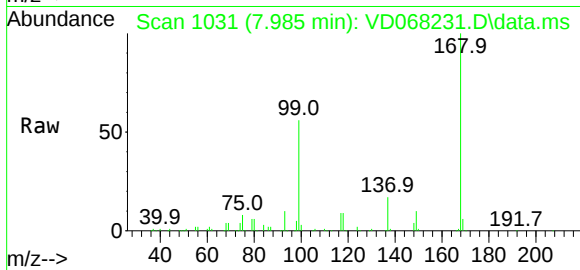




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

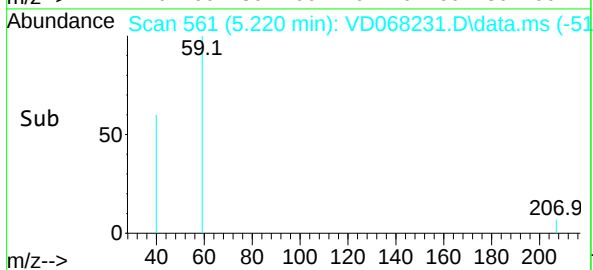
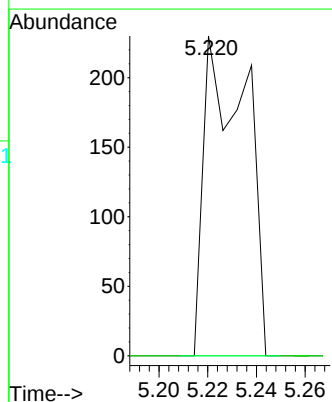
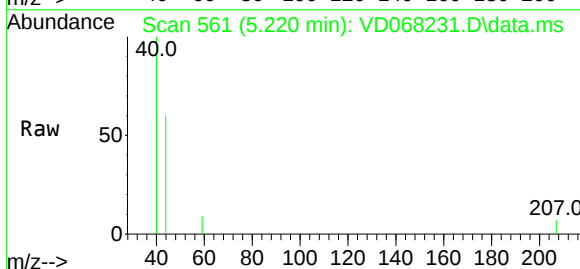
Instrument :
MSVOA_D
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CL-02-012821

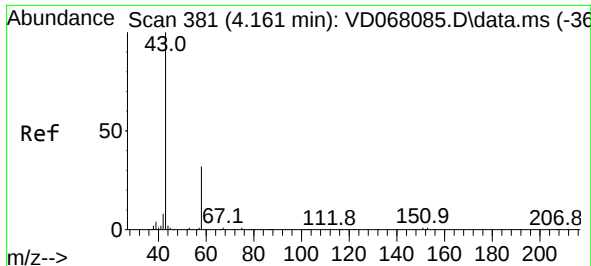
Tgt Ion:168 Resp: 469570
Ion Ratio Lower Upper
168 100
99 56.0 43.5 65.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

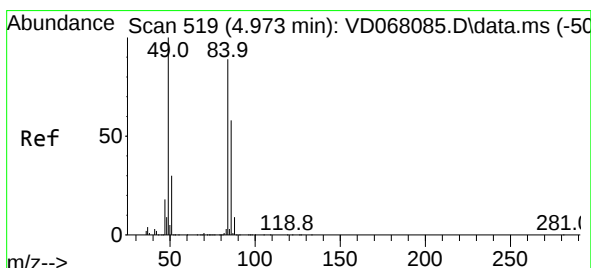
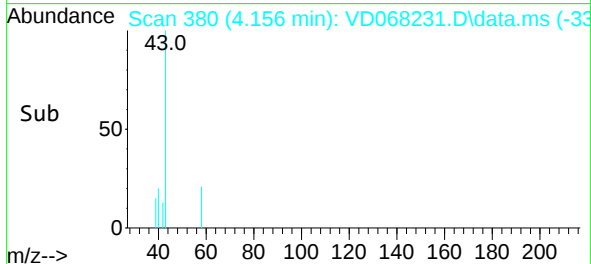
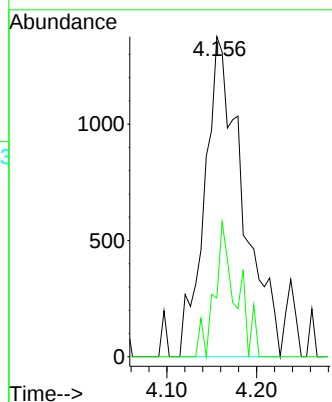
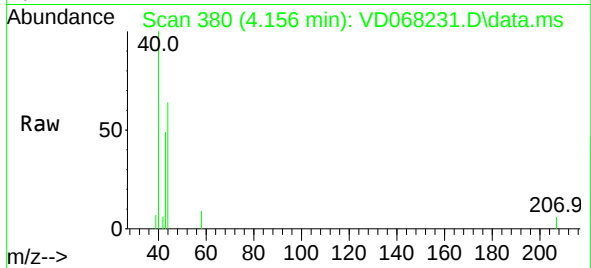




#16
Acetone
Concen: 5.04 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

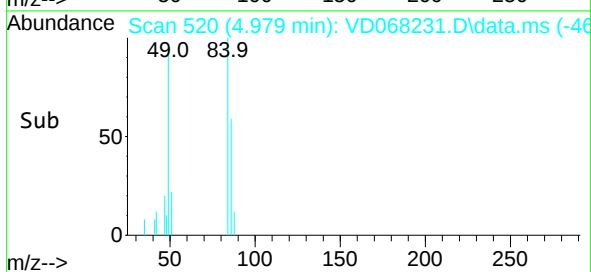
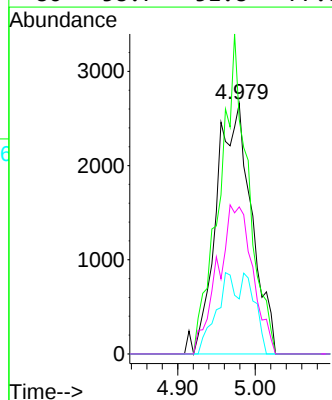
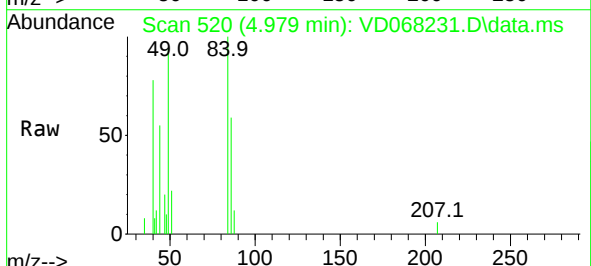
Instrument :
MSVOA_D
ClientSampleId :
CL-02-012821

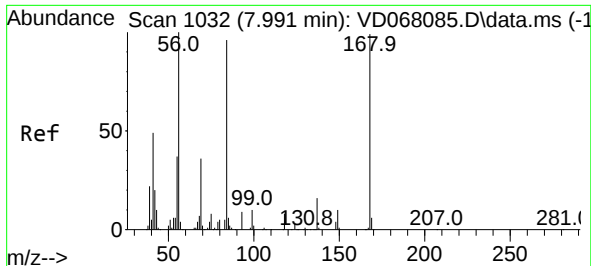
Tgt Ion: 43 Resp: 4041
Ion Ratio Lower Upper
43 100
58 18.4 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

Tgt Ion: 84 Resp: 8398
Ion Ratio Lower Upper
84 100
49 93.6 77.4 116.2
51 22.0 26.1 39.1#
86 58.7 51.8 77.8

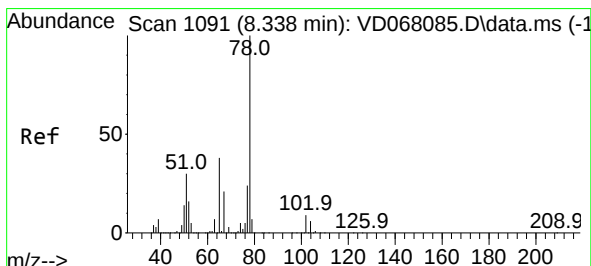
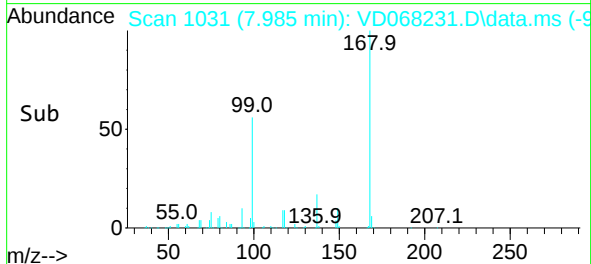
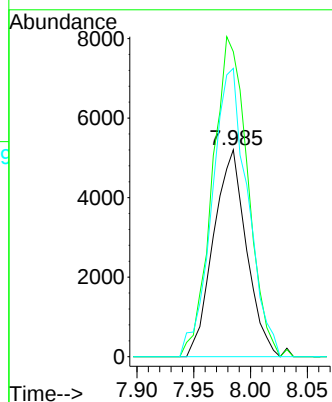
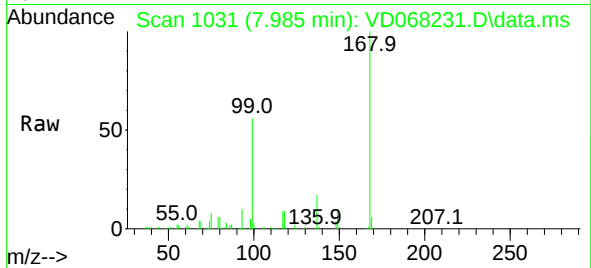




#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

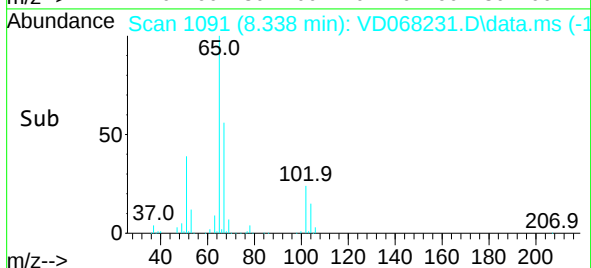
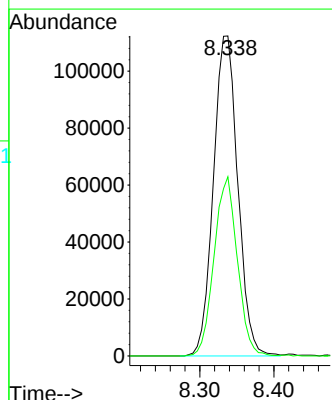
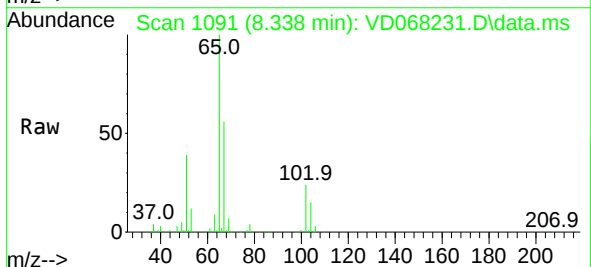
Instrument :
MSVOA_D
ClientSampleId :
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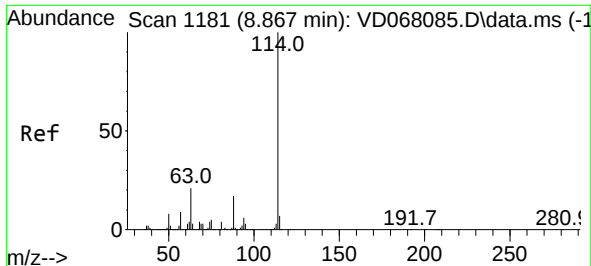
Tgt Ion: 56 Resp: 10510
Ion Ratio Lower Upper
56 100
69 147.4 30.1 45.1#
84 139.4 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 57.19 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

Tgt Ion: 65 Resp: 256907
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.0

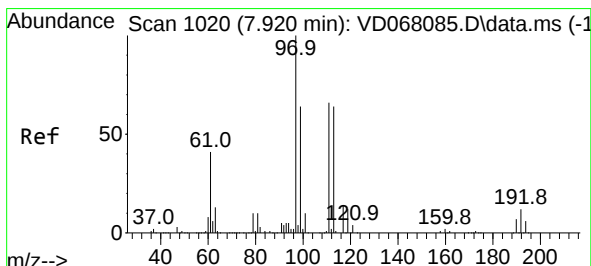
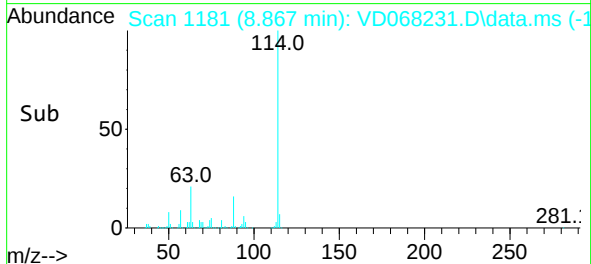
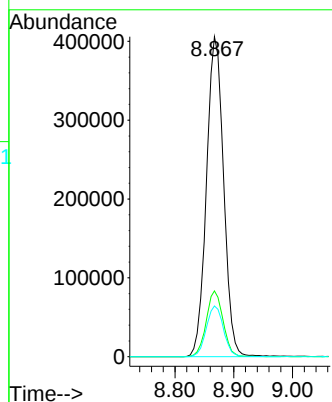
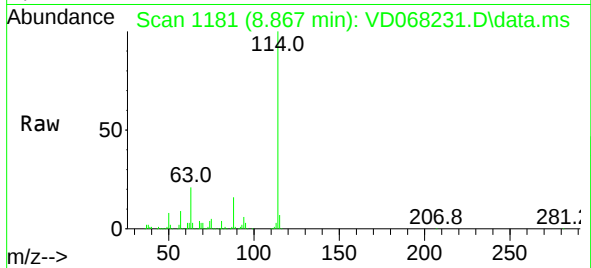




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

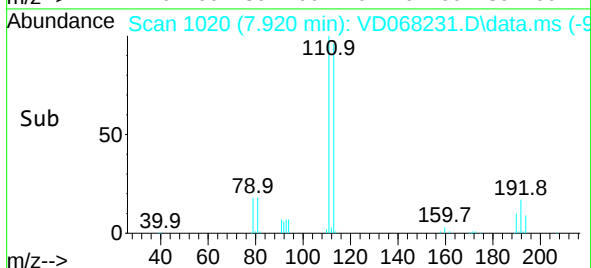
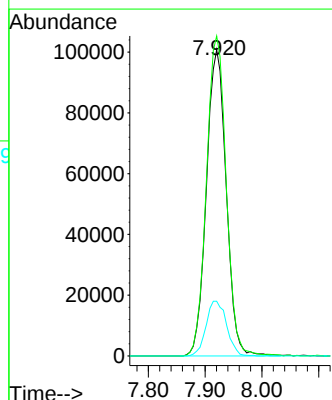
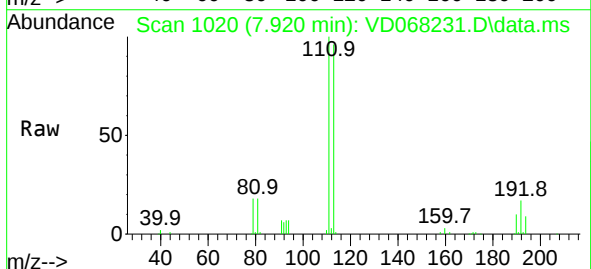
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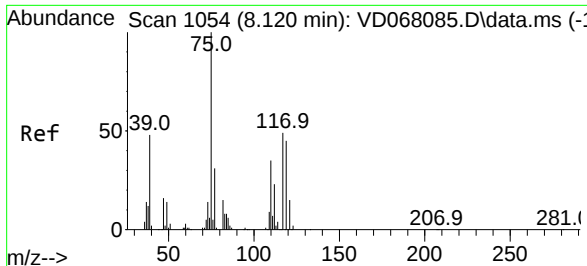
Tgt Ion:114 Resp: 823387
Ion Ratio Lower Upper
114 100
63 20.5 0.0 34.8
88 15.8 0.0 31.6



#35
Dibromofluoromethane
Concen: 53.48 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

Tgt Ion:113 Resp: 243442
Ion Ratio Lower Upper
113 100
111 104.1 81.4 122.0
192 18.5 16.1 24.1

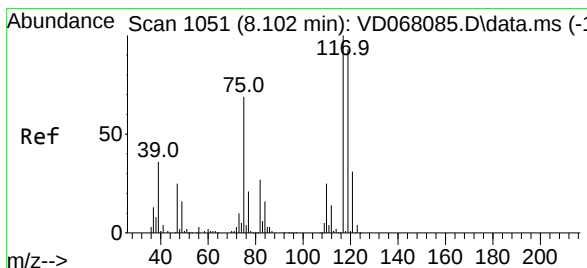
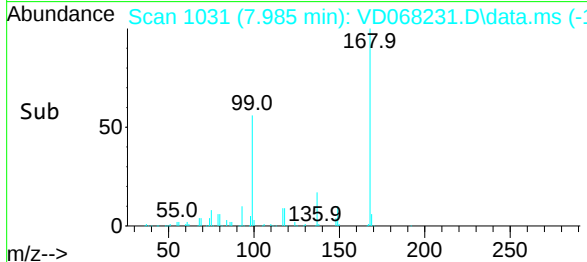
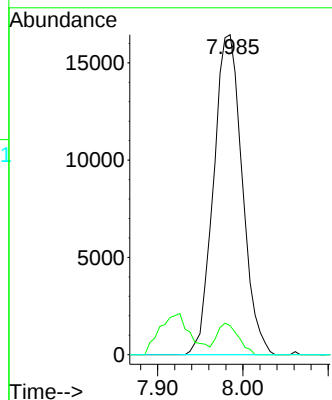
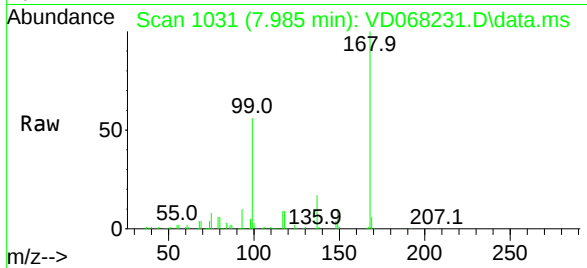




#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

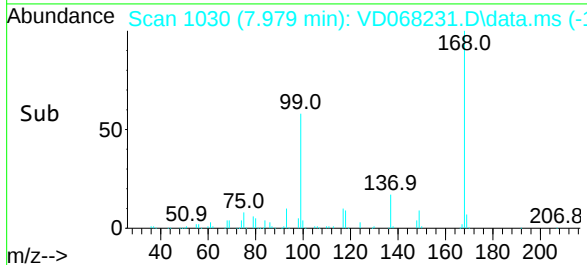
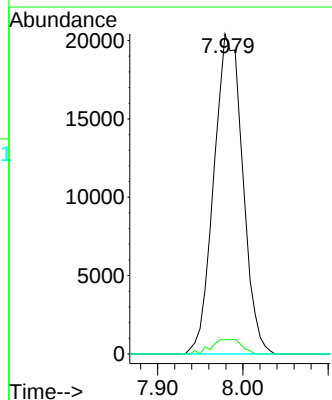
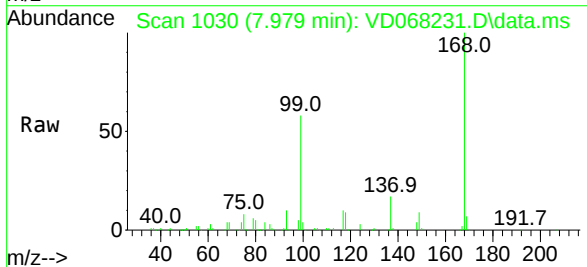
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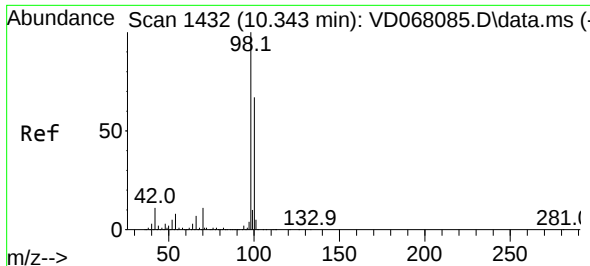
Tgt Ion: 75 Resp: 38404
Ion Ratio Lower Upper
75 100
110 7.3 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.16 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

Tgt Ion: 117 Resp: 47880
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.7 37.1#

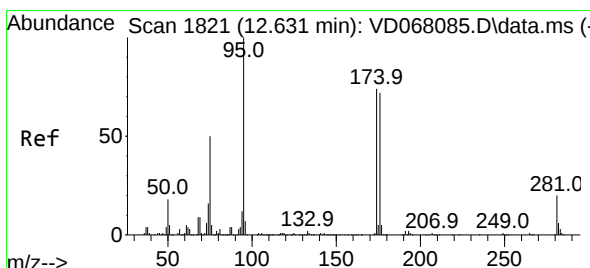
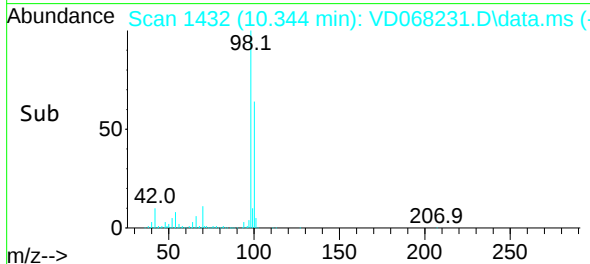
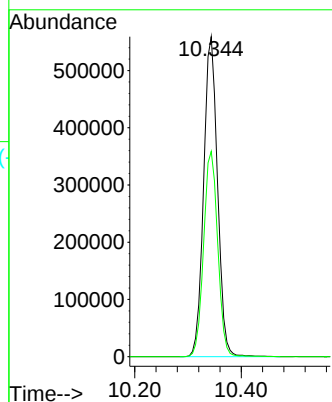
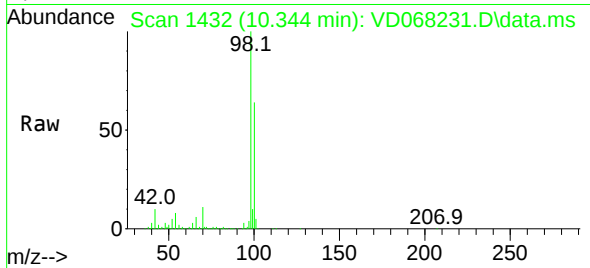




#50
Toluene-d8
Concen: 55.42 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

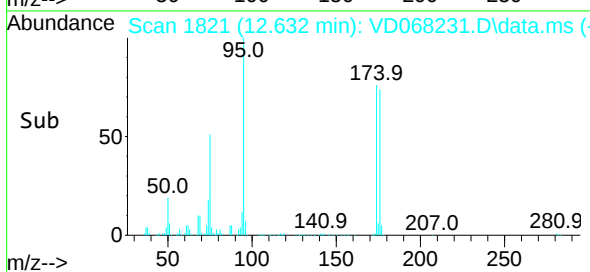
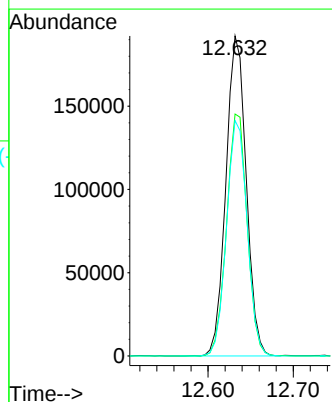
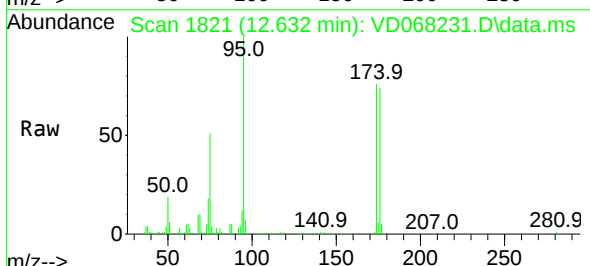
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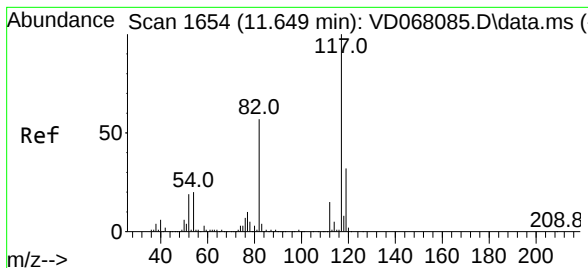
Tgt Ion: 98 Resp: 1009060
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.56 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

Tgt Ion: 95 Resp: 318389
Ion Ratio Lower Upper
95 100
174 76.4 0.0 172.4
176 74.4 0.0 168.4

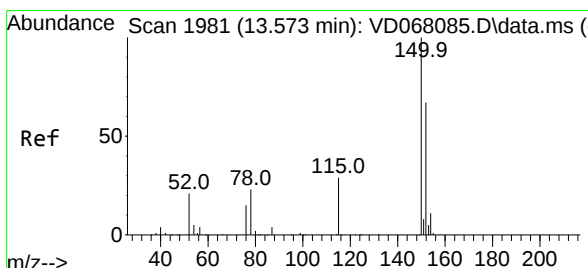
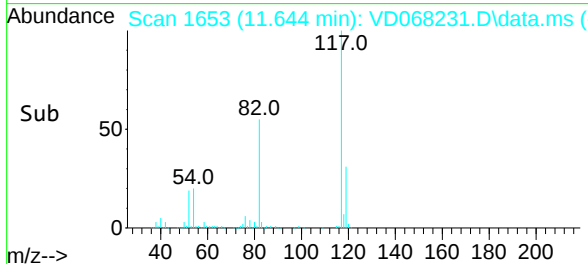
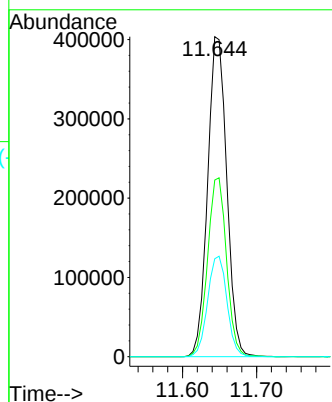
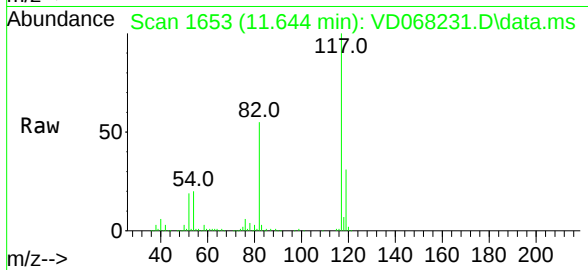




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

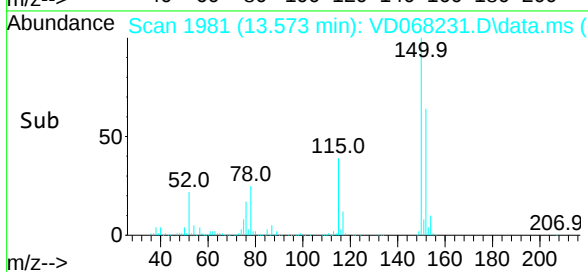
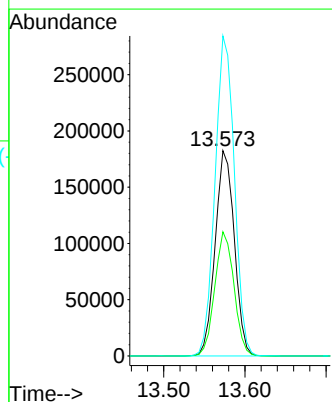
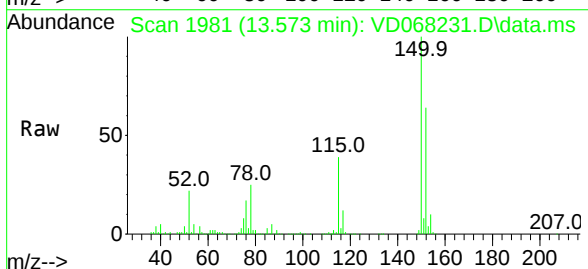
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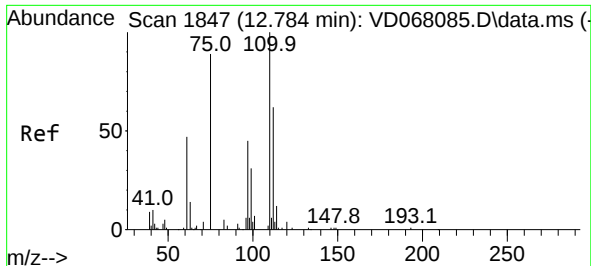
Tgt Ion:	117	Resp:	722859
Ion	Ratio	Lower	Upper
117	100		
82	55.2	41.4	62.0
119	30.6	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

Tgt Ion:	152	Resp:	299845
Ion	Ratio	Lower	Upper
152	100		
115	60.4	28.9	86.8
150	157.2	0.0	344.4

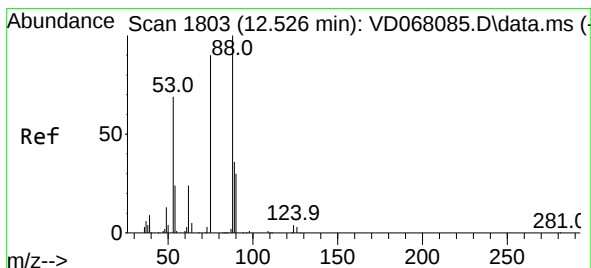
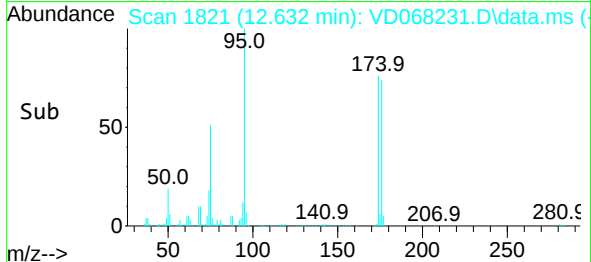
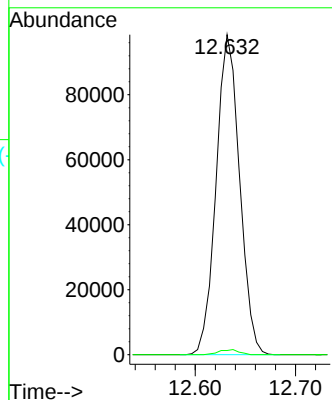
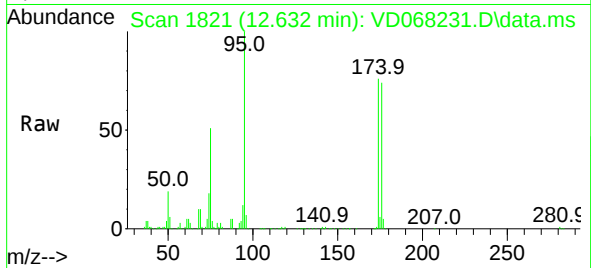




#76
1,2,3-Trichloropropane
Concen: 55.18 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

Instrument :
MSVOA_D
ClientSampleId :
CL-02-012821

Tgt Ion: 75 Resp: 159986
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.67 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068231.D
Acq: 28 Jan 2021 18:50

Tgt Ion: 75 Resp: 159986
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

