

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
 Data File : VD068842.D
 Acq On : 12 Apr 2021 19:54
 Operator : VA/SY
 Sample : M1967-10RE
 Misc : 4.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 13 01:12:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

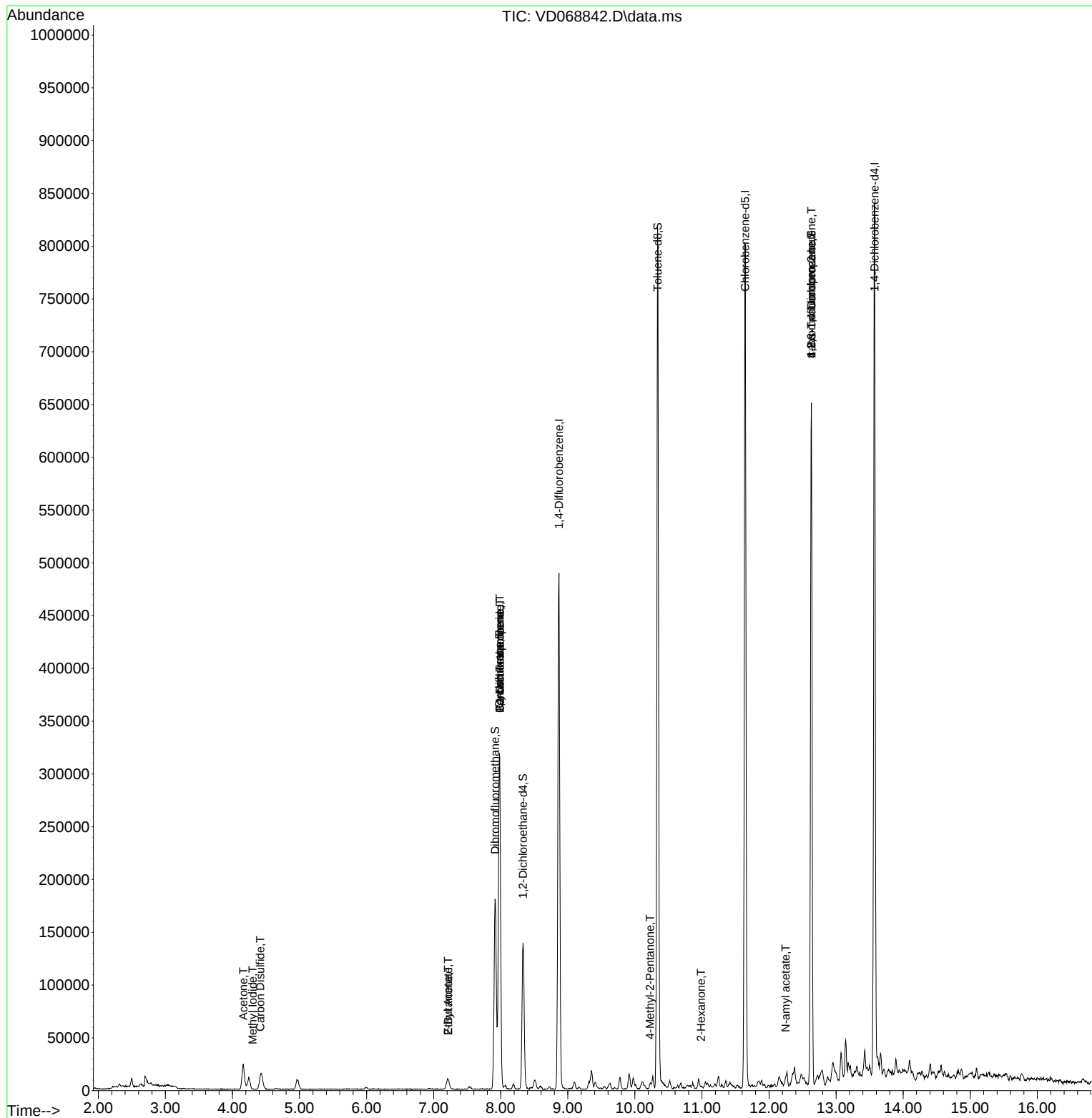
Internal Standards						
1) Pentafluorobenzene	7.985	168	247333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	442598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	482781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	229204	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	111198	42.54	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.08%		
35) Dibromofluoromethane	7.914	113	133922	46.52	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.04%		
50) Toluene-d8	10.338	98	565973	52.12	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.24%		
62) 4-Bromofluorobenzene	12.632	95	217609	60.33	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	120.66%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	62	2.27	ug/l #	41
11) Tert butyl alcohol	5.232	59	56	Below Cal	#	73
16) Acetone	4.162	43	38507	106.38	ug/l	96
17) Carbon Disulfide	4.415	76	16431	2.05	ug/l	98
20) Methylene Chloride	4.973	84	8494	Below Cal	#	82
25) 2-Butanone	7.214	43	11509	22.47	ug/l	92
31) Cyclohexane	7.979	56	5952	1.37	ug/l #	51
36) 1,1-Dichloropropene	7.985	75	18581	4.15	ug/l #	50
37) Ethyl Acetate	7.214	43	11509	8.75	ug/l #	64
38) Carbon Tetrachloride	7.985	117	23499	5.30	ug/l #	15
51) 4-Methyl-2-Pentanone	10.226	43	2868	2.12	ug/l	96
59) 2-Hexanone	10.985	43	1030	1.14	ug/l	97
74) N-amyl acetate	12.249	43	3861	1.36	ug/l #	50
76) 1,2,3-Trichloropropane	12.632	75	106835	51.02	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	106835	118.41	ug/l #	16

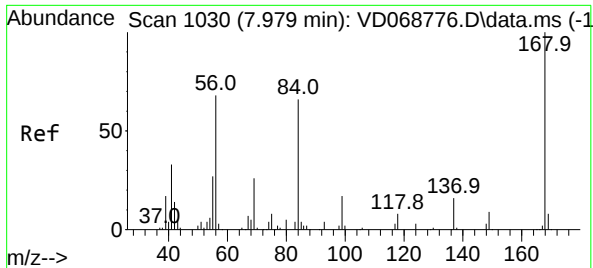
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 13 01:12:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

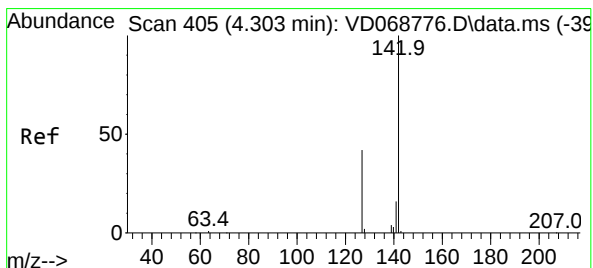
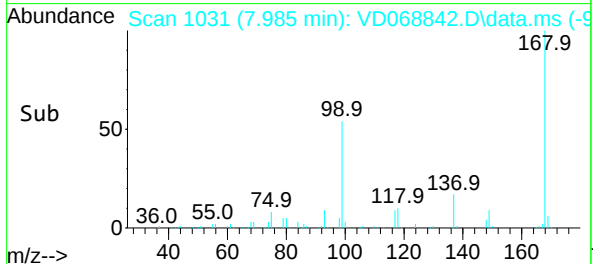
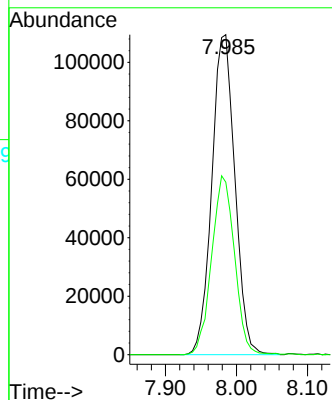
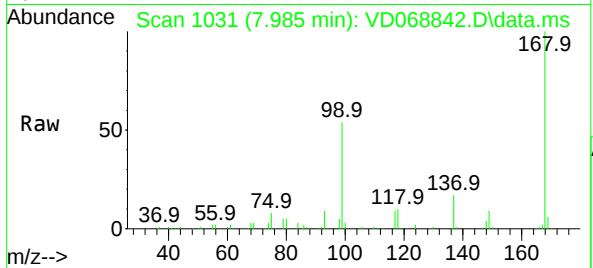




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

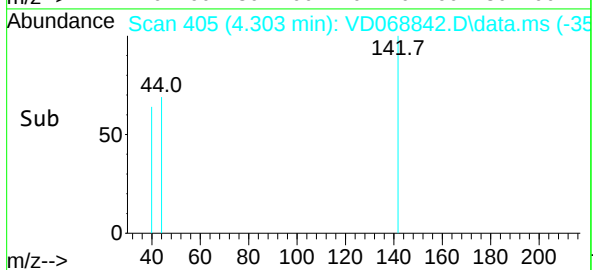
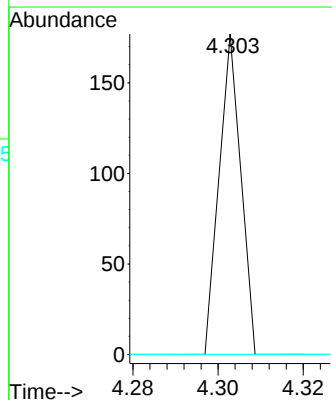
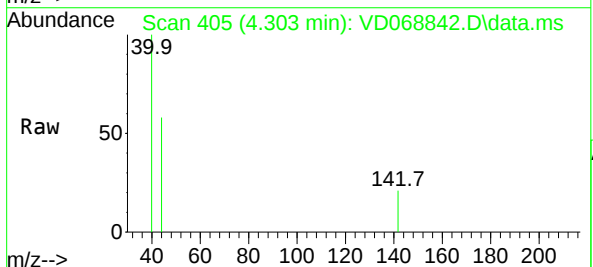
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:168 Resp: 247333
Ion Ratio Lower Upper
168 100
99 53.9 46.2 69.2



#10
Methyl Iodide
Concen: 2.27 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

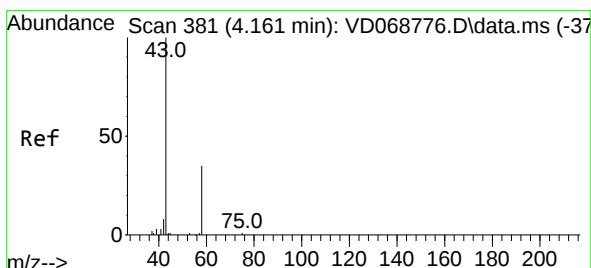
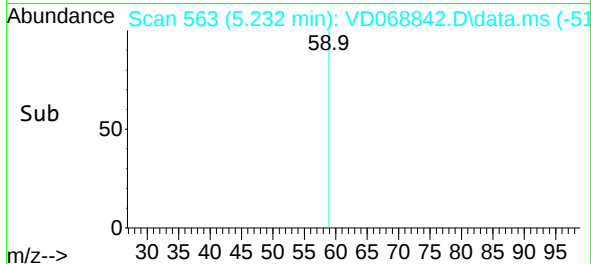
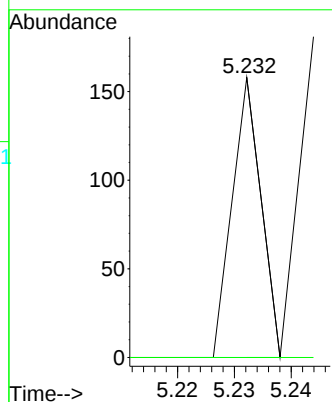
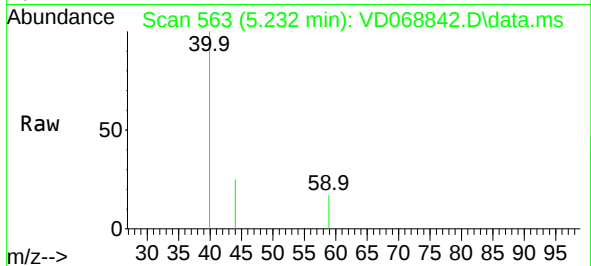




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

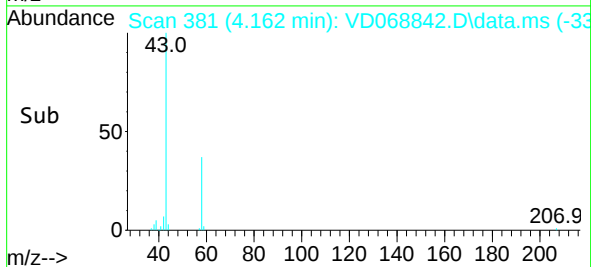
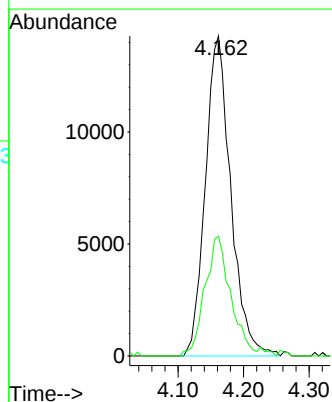
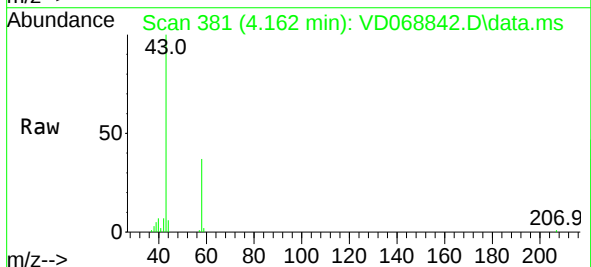
Instrument :
MSVOA_D
ClientSampled :

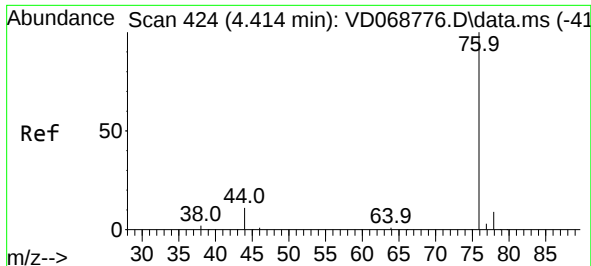
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 106.38 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

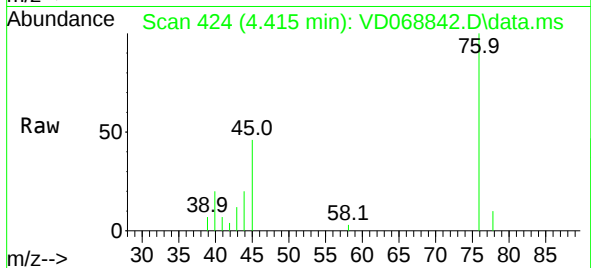
Tgt Ion: 43 Resp: 38507
Ion Ratio Lower Upper
43 100
58 37.4 28.0 42.0



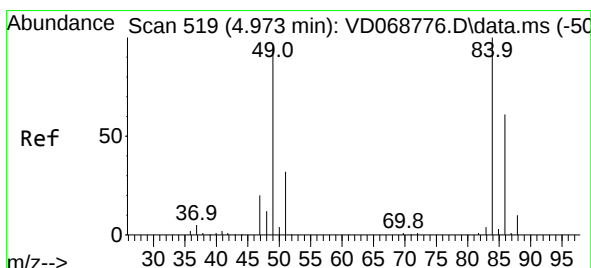
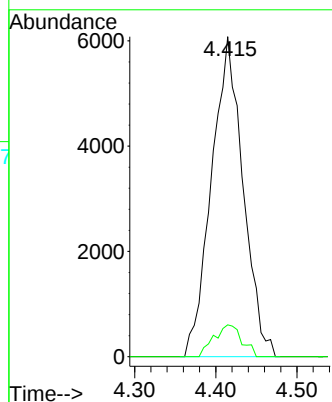
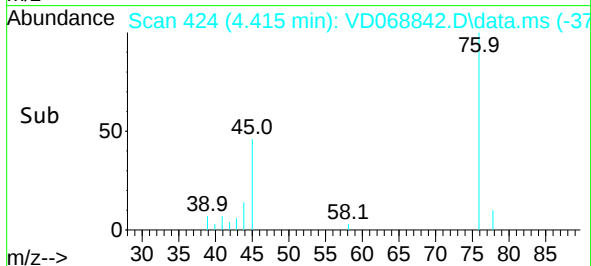


#17
Carbon Disulfide
Concen: 2.05 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.001 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

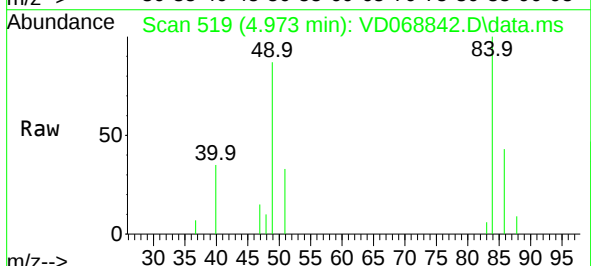
Instrument :
MSVOA_D
ClientSampled :



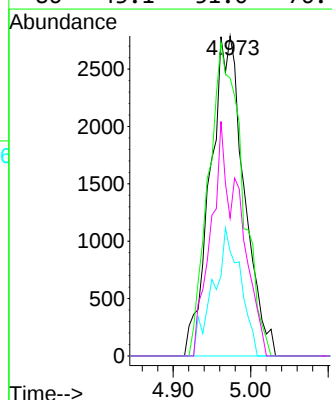
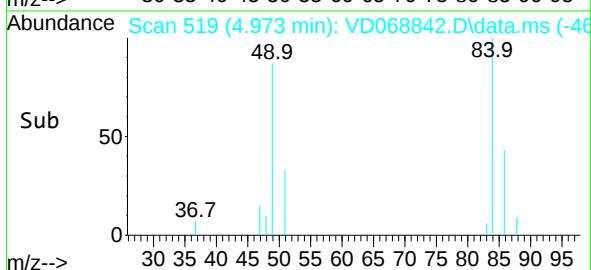
Tgt Ion: 76 Resp: 16431
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9

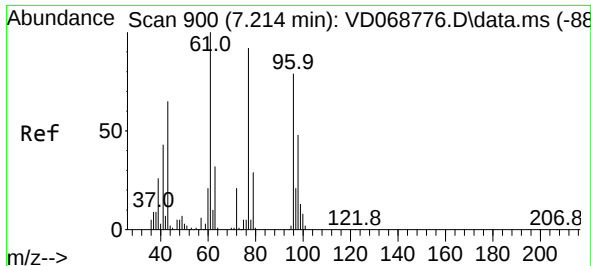


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54



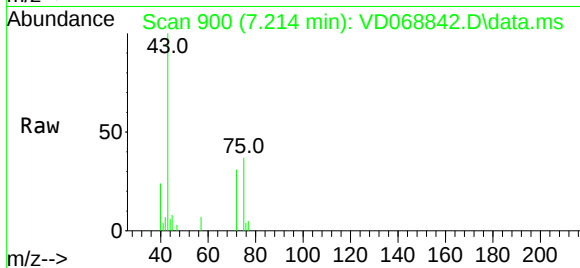
Tgt Ion: 84 Resp: 8494
Ion Ratio Lower Upper
84 100
49 86.8 83.4 125.0
51 32.7 23.4 35.2
86 43.1 51.0 76.4#



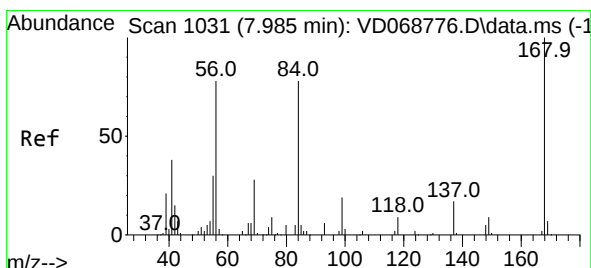
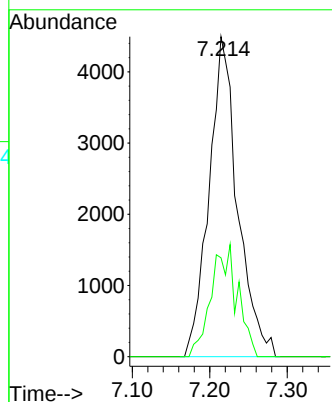
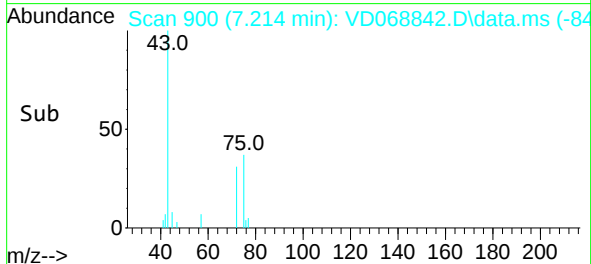


#25
2-Butanone
Concen: 22.47 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

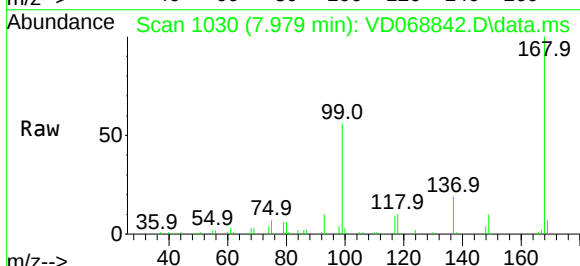
Instrument :
MSVOA_D
ClientSampled :



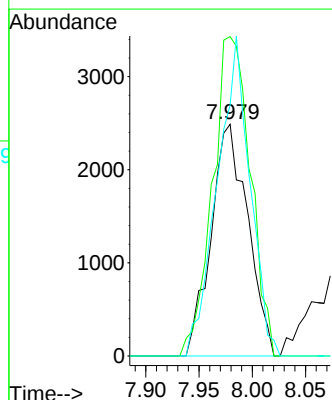
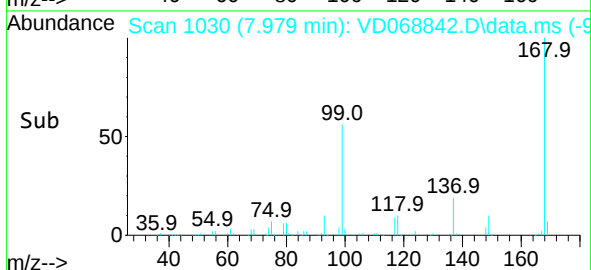
Tgt Ion: 43 Resp: 11509
Ion Ratio Lower Upper
43 100
72 30.9 28.6 43.0

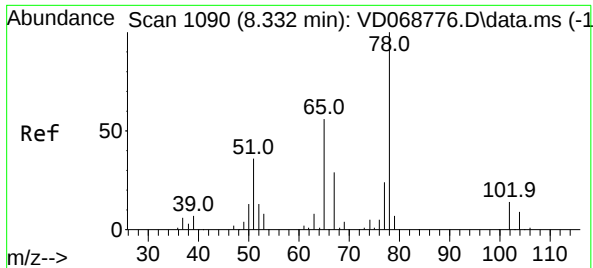


#31
Cyclohexane
Concen: 1.37 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54



Tgt Ion: 56 Resp: 5952
Ion Ratio Lower Upper
56 100
69 137.8 30.0 45.0#
84 108.3 82.0 123.0

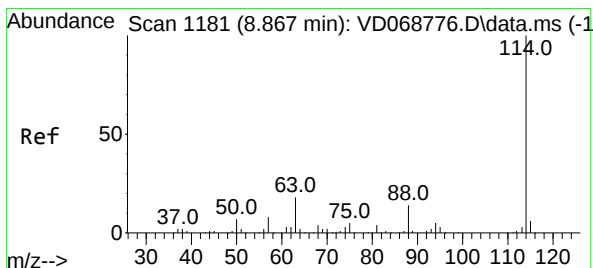
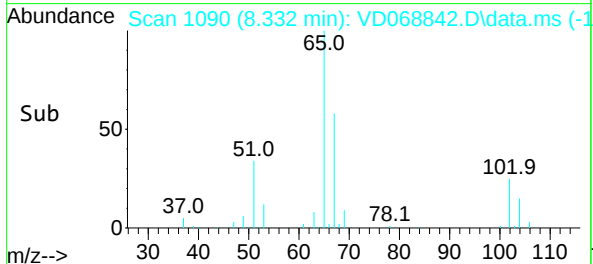
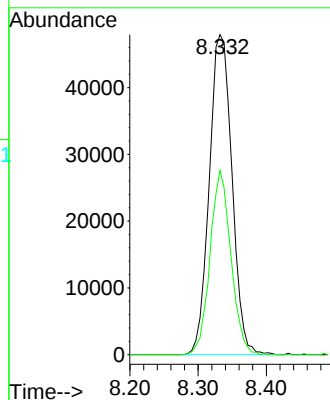
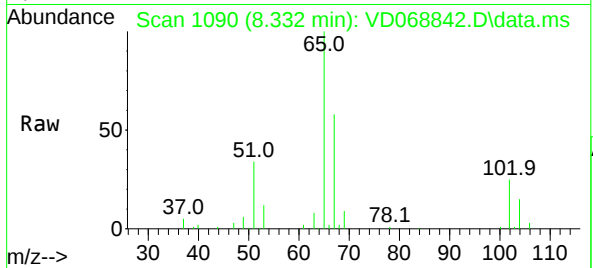




#33
1,2-Dichloroethane-d4
Concen: 42.54 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

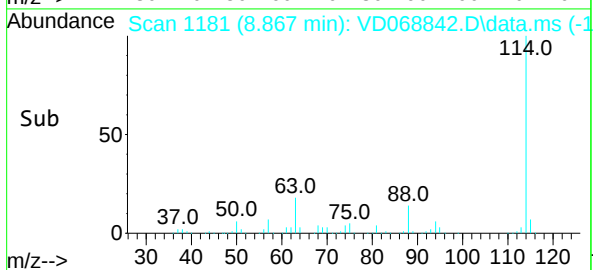
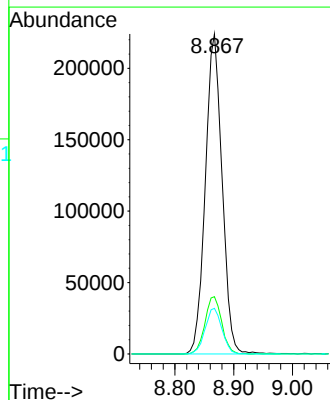
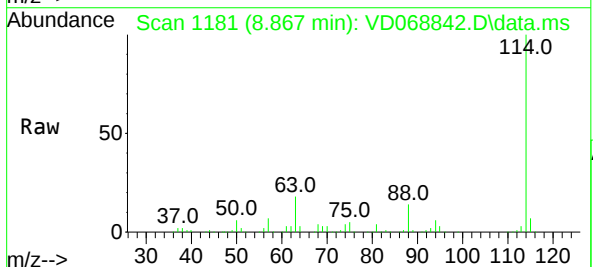
Instrument :
MSVOA_D
ClientSampleId :

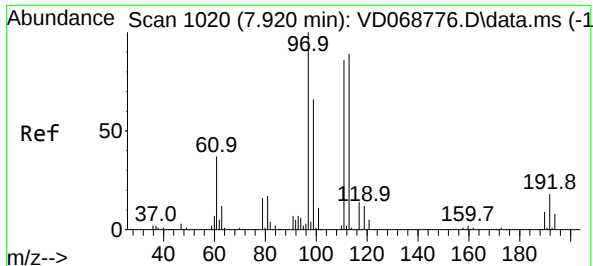
Tgt Ion: 65 Resp: 111198
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

Tgt Ion: 114 Resp: 442598
Ion Ratio Lower Upper
114 100
63 17.9 0.0 38.2
88 14.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 46.52 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068842.D

Acq: 12 Apr 2021 19:54

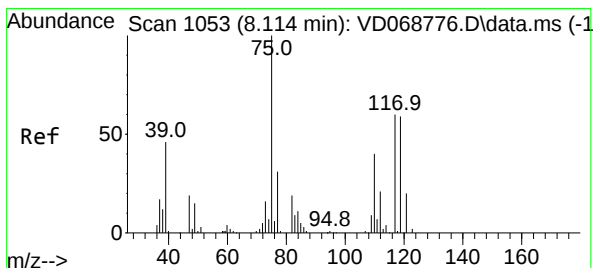
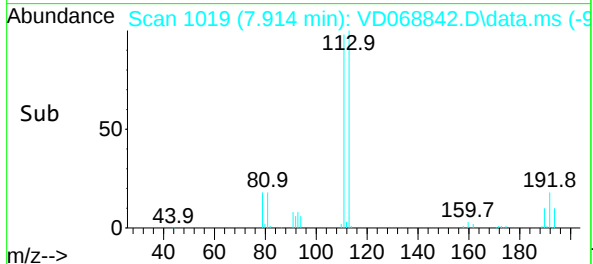
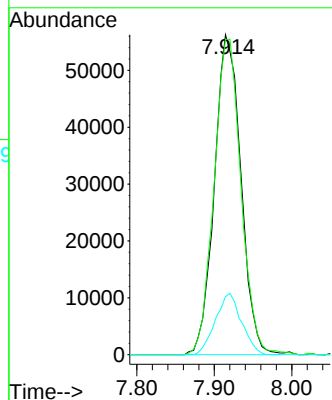
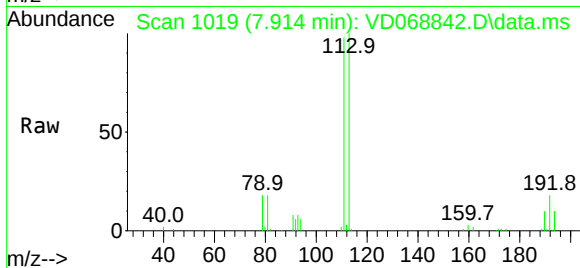
Tgt Ion:113 Resp: 133922

Ion Ratio Lower Upper

113 100

111 100.5 82.5 123.7

192 18.9 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.15 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD068842.D

Acq: 12 Apr 2021 19:54

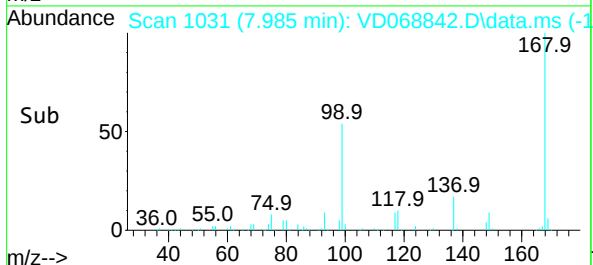
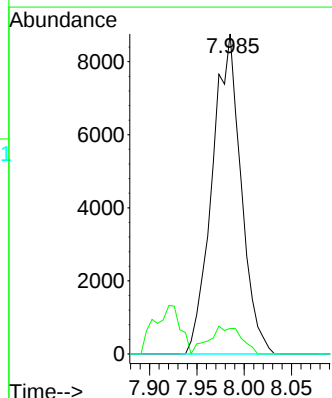
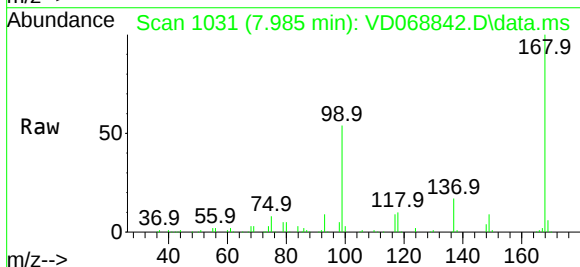
Tgt Ion: 75 Resp: 18581

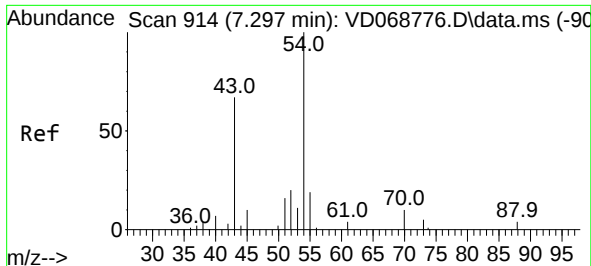
Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 8.75 ug/l

RT: 7.214 min Scan# 900

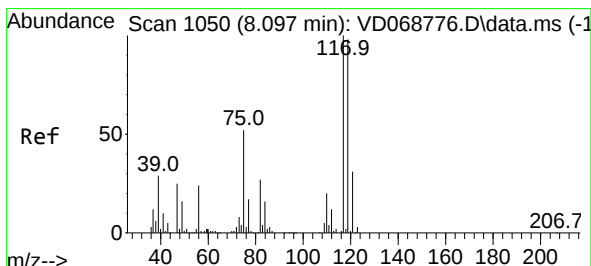
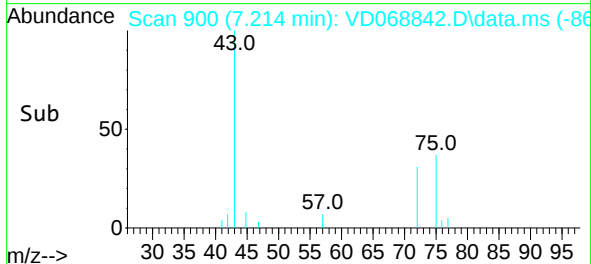
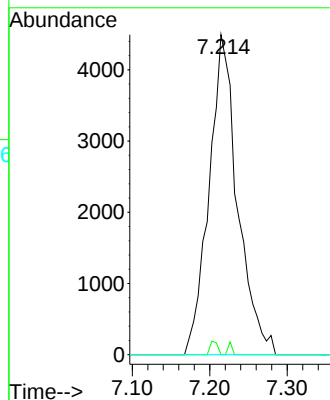
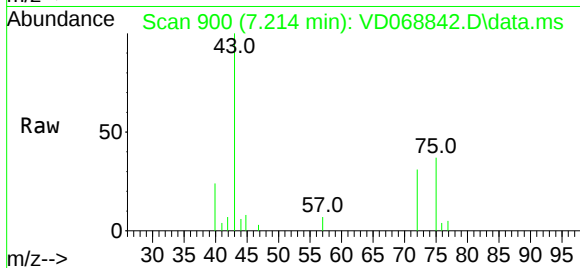
Delta R.T. -0.083 min

Lab File: VD068842.D

Acq: 12 Apr 2021 19:54

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 43	Resp: 11509
Ion Ratio	Lower Upper
43 100	
61 0.5	14.2 21.4#
70 0.0	9.4 14.0#



#38

Carbon Tetrachloride

Concen: 5.30 ug/l

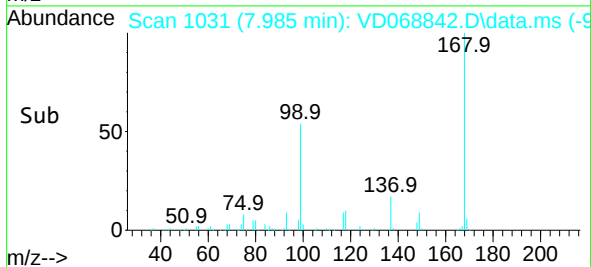
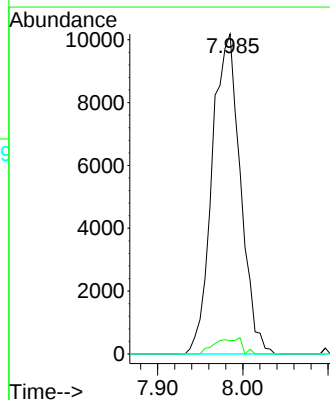
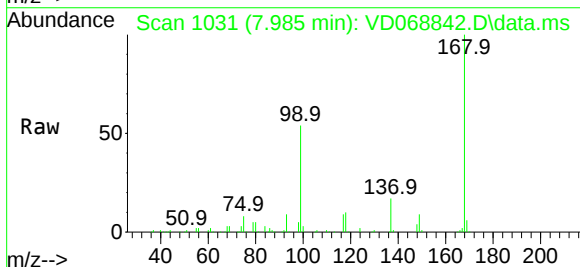
RT: 7.985 min Scan# 1031

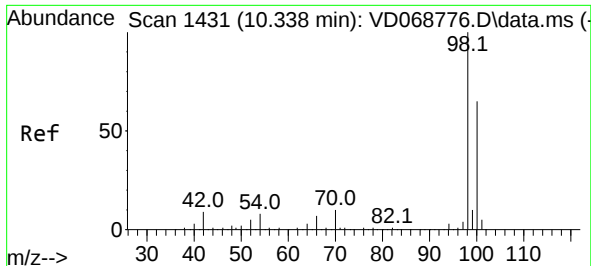
Delta R.T. -0.112 min

Lab File: VD068842.D

Acq: 12 Apr 2021 19:54

Tgt Ion: 117	Resp: 23499
Ion Ratio	Lower Upper
117 100	
119 4.2	76.6 115.0#
121 0.0	26.1 39.1#

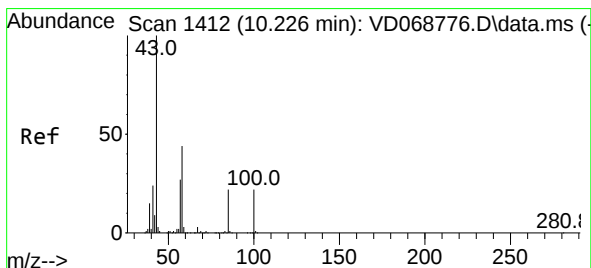
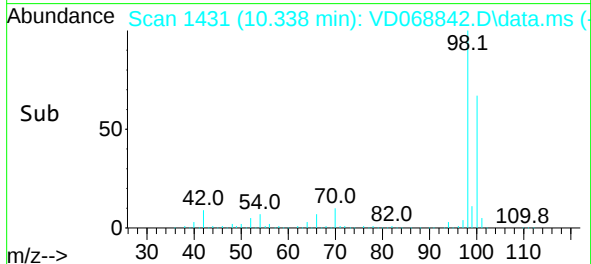
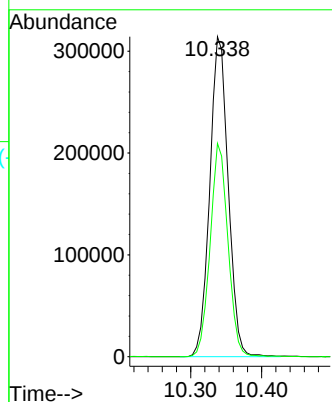
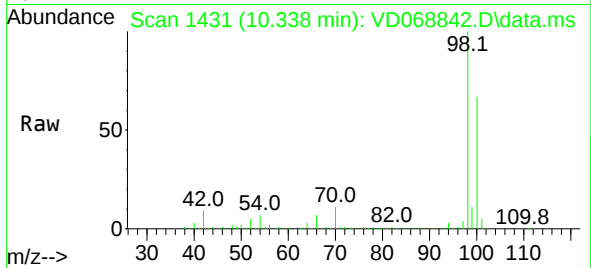




#50
Toluene-d8
Concen: 52.12 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

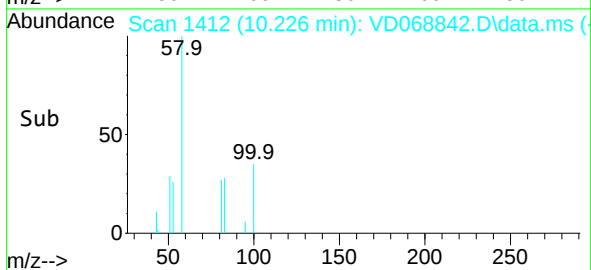
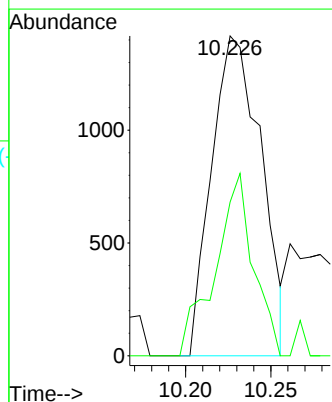
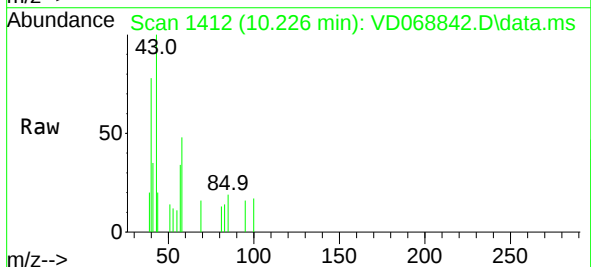
Instrument :
MSVOA_D
ClientSampled :

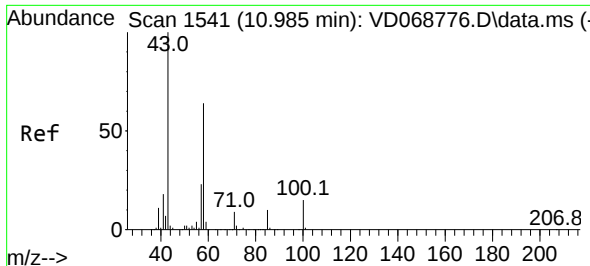
Tgt Ion: 98 Resp: 565973
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.12 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

Tgt Ion: 43 Resp: 2868
Ion Ratio Lower Upper
43 100
58 44.0 37.3 55.9

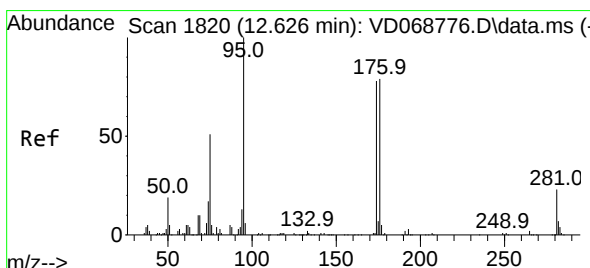
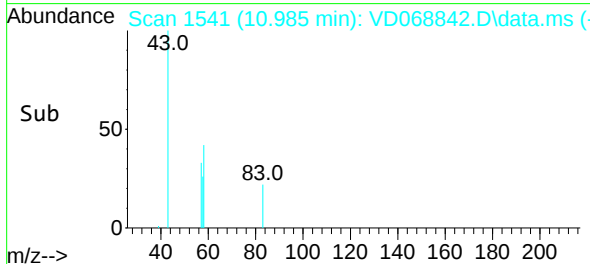
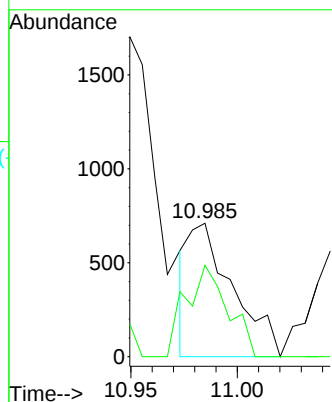
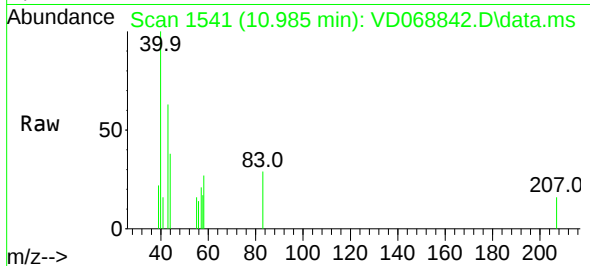




#59
2-Hexanone
Concen: 1.14 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

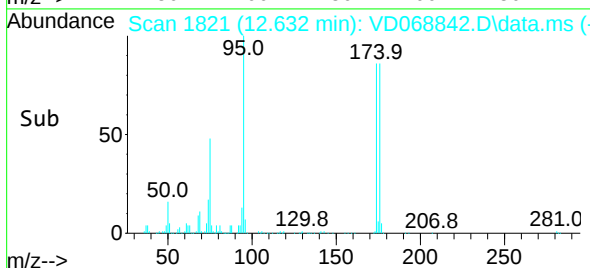
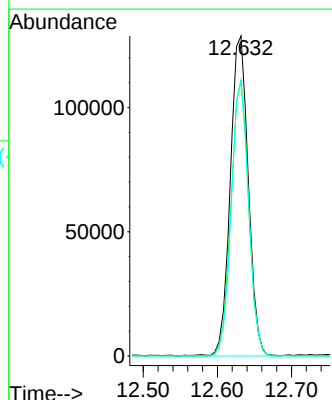
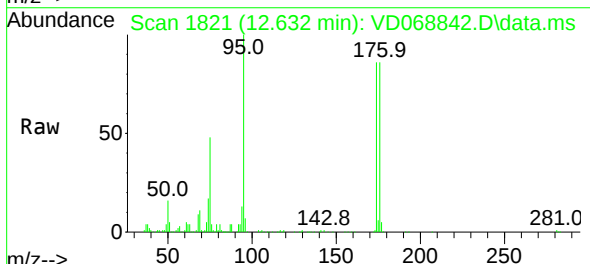
Instrument :
MSVOA_D
ClientSampled :

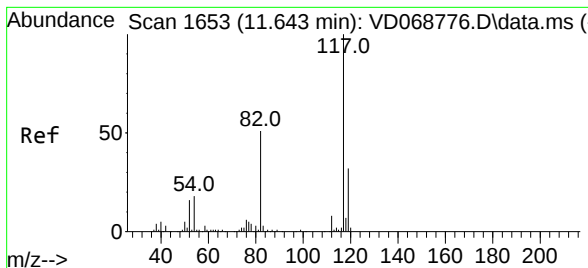
Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
58 65.0 31.3 93.8



#62
4-Bromofluorobenzene
Concen: 60.33 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

Tgt Ion: 95 Resp: 217609
Ion Ratio Lower Upper
95 100
174 84.2 0.0 168.0
176 82.1 0.0 160.2

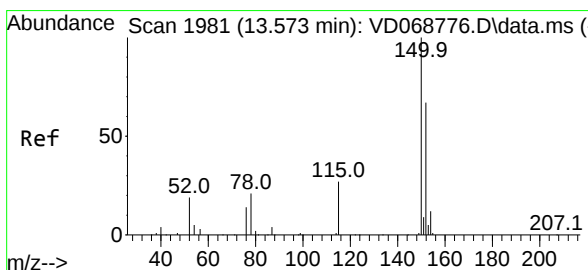
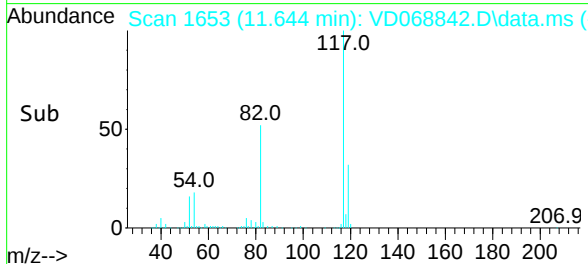
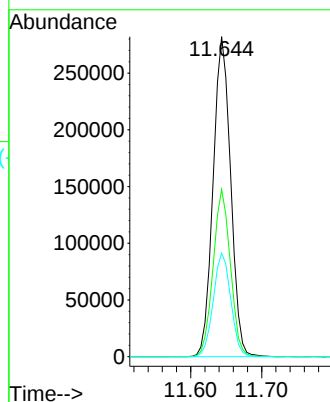
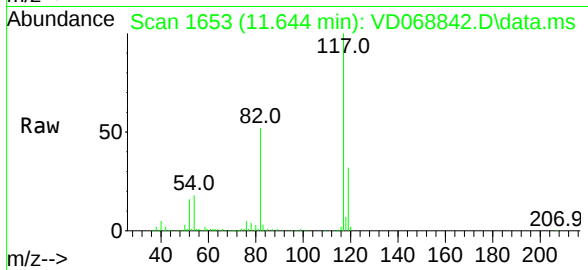




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

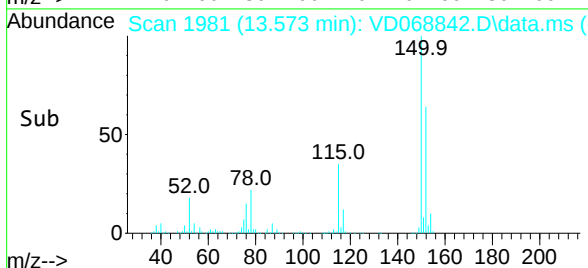
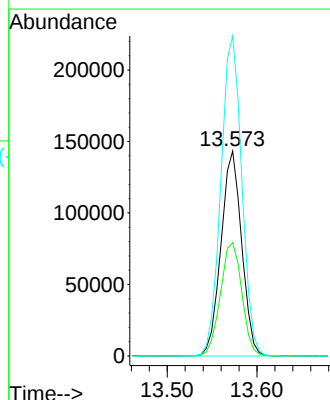
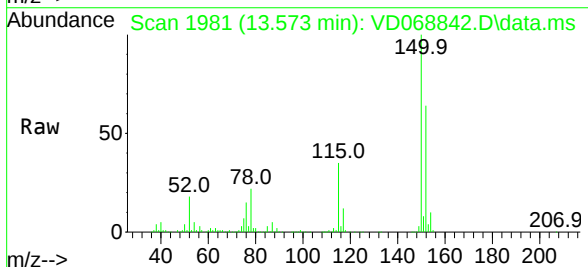
Instrument :
MSVOA_D
ClientSampled :

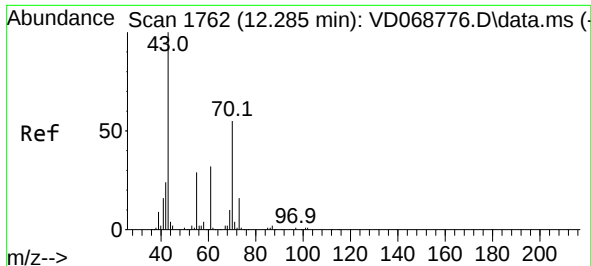
Tgt Ion:117 Resp: 482781
Ion Ratio Lower Upper
117 100
82 52.3 43.5 65.3
119 32.4 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

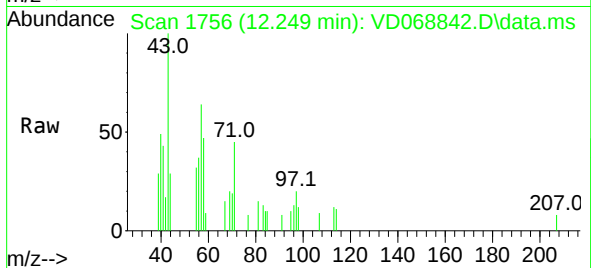
Tgt Ion:152 Resp: 229204
Ion Ratio Lower Upper
152 100
115 57.3 29.3 87.8
150 157.7 0.0 347.6



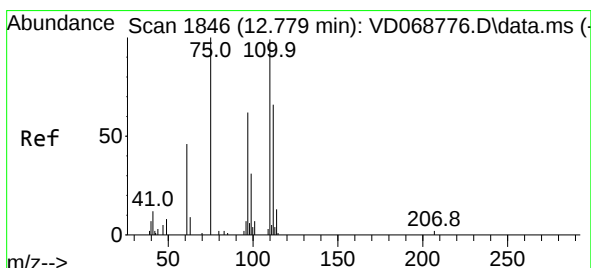
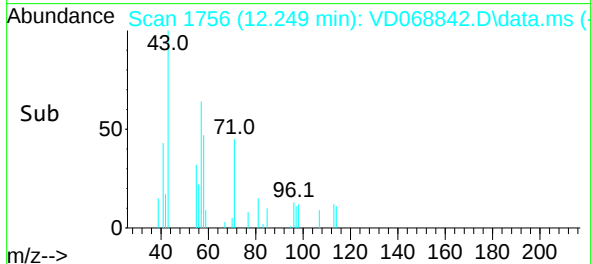
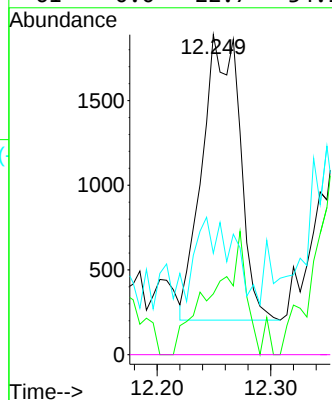


#74
N-amy1 acetate
Concen: 1.36 ug/l
RT: 12.249 min Scan# 1756
Delta R.T. -0.036 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

Instrument :
MSVOA_D
ClientSampleId :

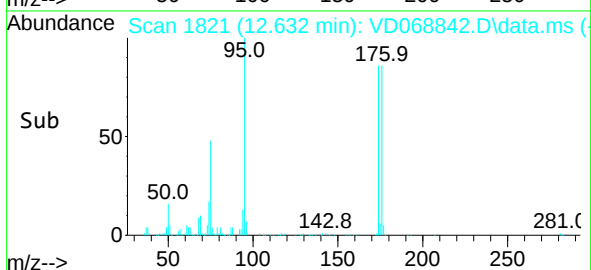
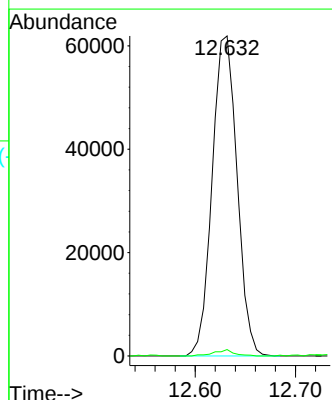
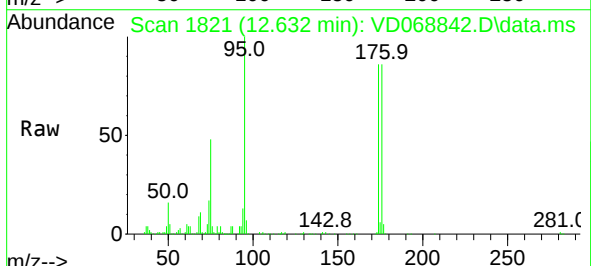


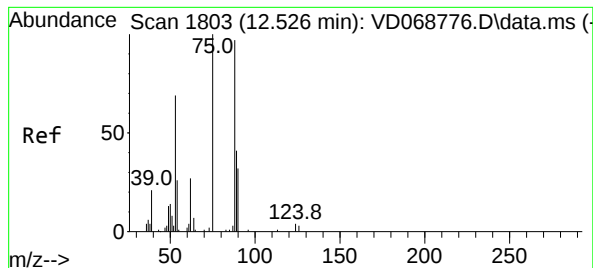
Tgt Ion: 43	Resp: 3861
Ion Ratio	Lower Upper
43 100	
70 0.0	41.9 62.9#
55 29.3	22.8 34.2
61 0.0	22.7 34.1#



#76
1,2,3-Trichloropropane
Concen: 51.02 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068842.D
Acq: 12 Apr 2021 19:54

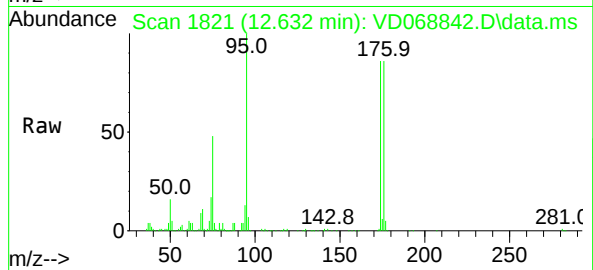
Tgt Ion: 75	Resp: 106835
Ion Ratio	Lower Upper
75 100	
77 1.6	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.41 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068842.D
 Acq: 12 Apr 2021 19:54

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 106835
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.8 100.2#
 89 0.1 36.6 54.8#

