

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033121\
 Data File : VD068742.D
 Acq On : 31 Mar 2021 17:06
 Operator : VA/SY
 Sample : M1836-06RE
 Misc : 9.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 00:45:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

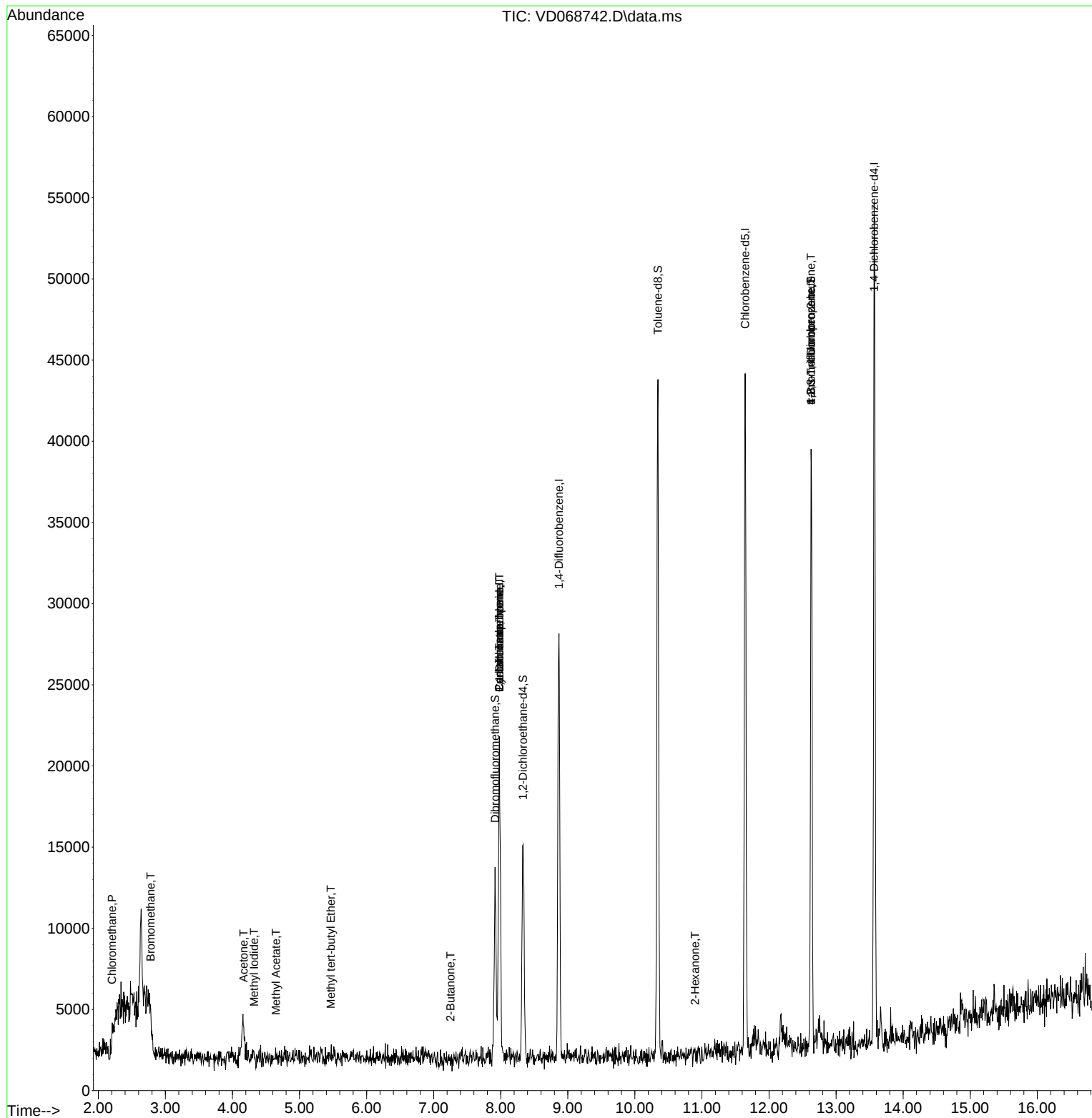
Internal Standards						
1) Pentafluorobenzene	7.979	168	14923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	24367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	27152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	14032	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	11004	73.13	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.26%			
35) Dibromofluoromethane	7.914	113	6847	45.16	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.32%			
50) Toluene-d8	10.344	98	30843	52.77	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.54%			
62) 4-Bromofluorobenzene	12.626	95	12161	64.17	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 128.34%			
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	436	3.03	ug/l #	41
5) Bromomethane	2.779	94	1771	14.11	ug/l	88
10) Methyl Iodide	4.321	142	631	7.58	ug/l #	67
16) Acetone	4.168	43	4142	226.88	ug/l	89
18) Methyl Acetate	4.650	43	68	1.36	ug/l #	43
19) Methyl tert-butyl Ether	5.468	73	371	1.25	ug/l #	54
20) Methylene Chloride	4.962	84	55	Below Cal	#	2
25) 2-Butanone	7.250	43	54	1.79	ug/l #	39
31) Cyclohexane	7.979	56	444	1.83	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	1083	4.98	ug/l #	53
38) Carbon Tetrachloride	7.979	117	1311	6.04	ug/l #	12
59) 2-Hexanone	10.897	43	73	1.59	ug/l #	19
76) 1,2,3-Trichloropropane	12.626	75	6259	53.59	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	6259	121.93	ug/l #	16

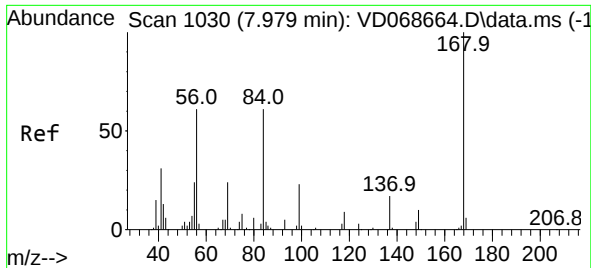
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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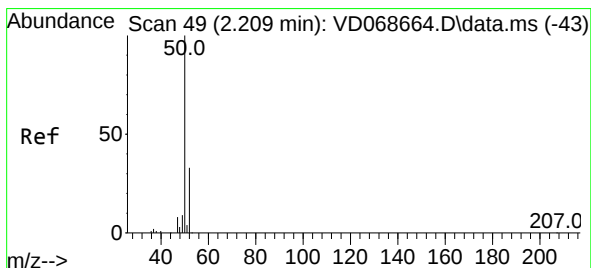
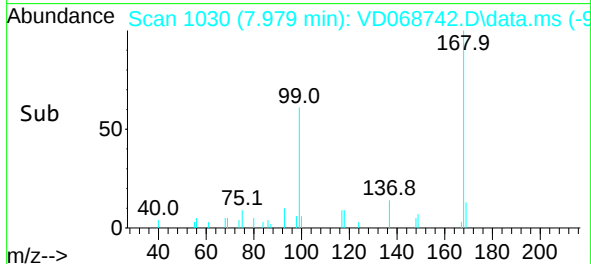
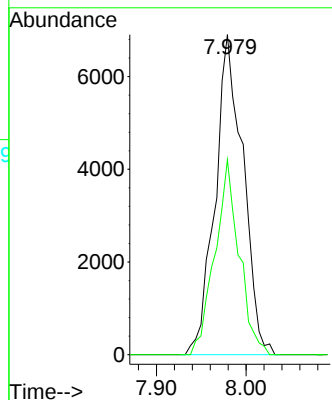
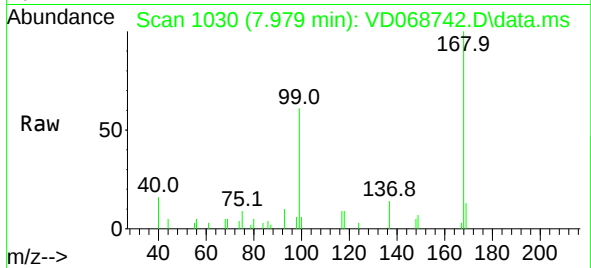




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

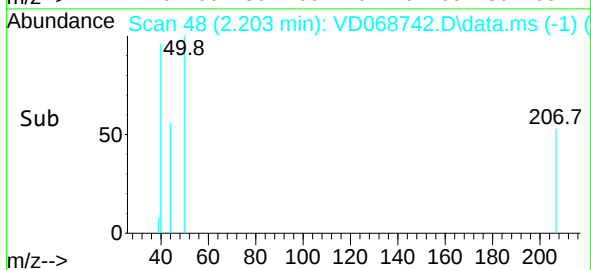
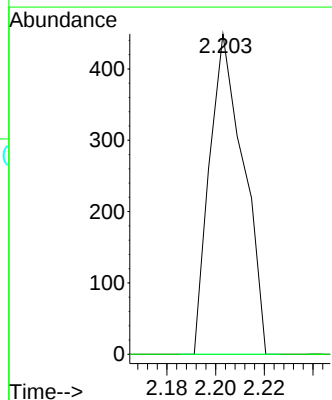
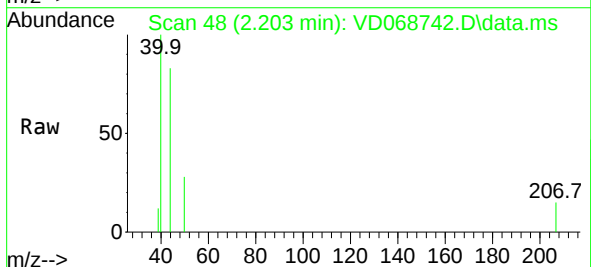
Instrument :
MSVOA_D
ClientSampled :

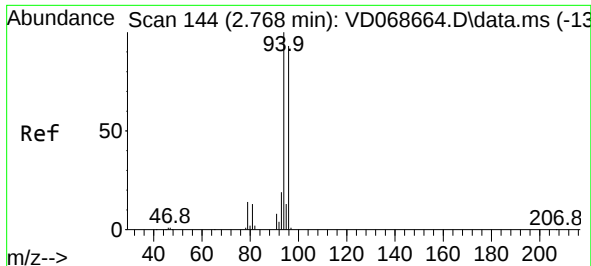
Tgt Ion:168 Resp: 14923
Ion Ratio Lower Upper
168 100
99 61.0 46.2 69.2



#3
Chloromethane
Concen: 3.03 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

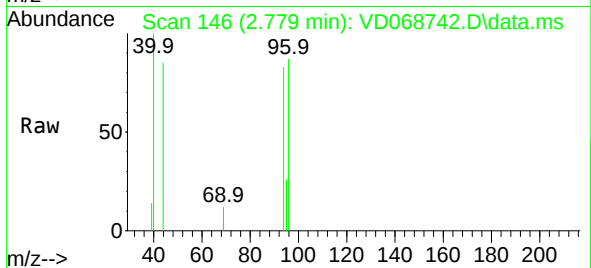
Tgt Ion: 50 Resp: 436
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#



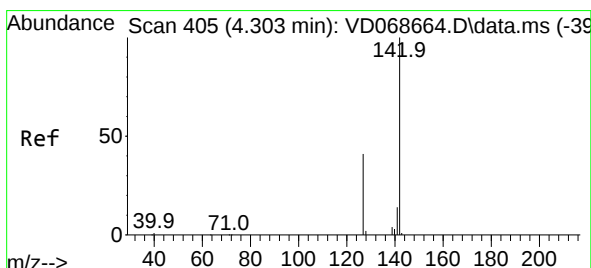
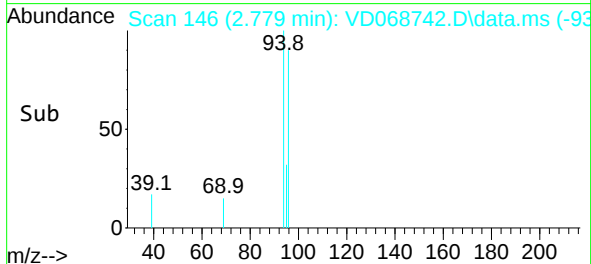
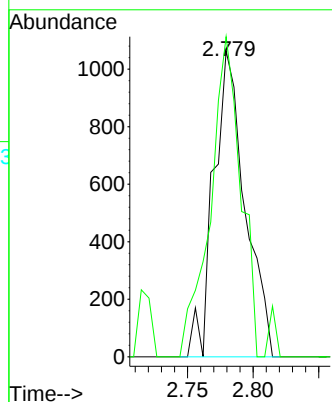


#5
Bromomethane
Concen: 14.11 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Instrument :
MSVOA_D
ClientSampled :

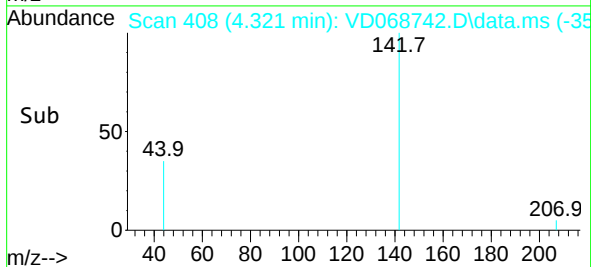
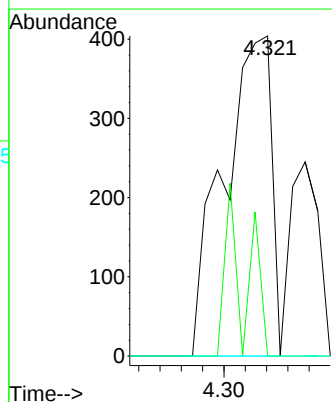
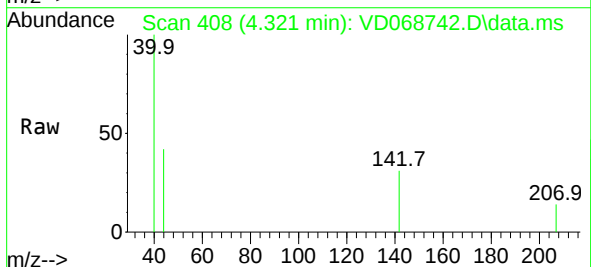


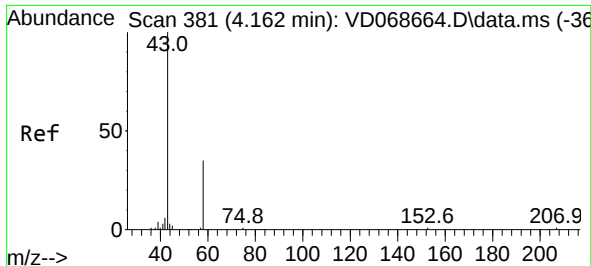
Tgt Ion: 94 Resp: 1771
Ion Ratio Lower Upper
94 100
96 104.7 74.7 112.1



#10
Methyl Iodide
Concen: 7.58 ug/l
RT: 4.321 min Scan# 408
Delta R.T. 0.018 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

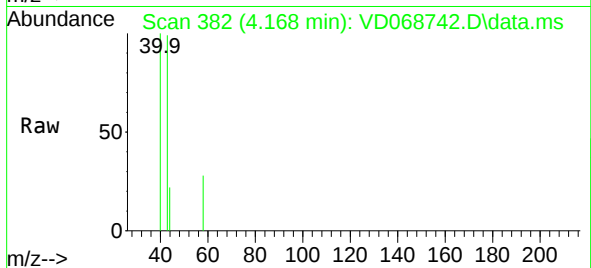
Tgt Ion: 142 Resp: 631
Ion Ratio Lower Upper
142 100
127 22.3 34.7 52.1#
141 0.0 11.0 16.4#



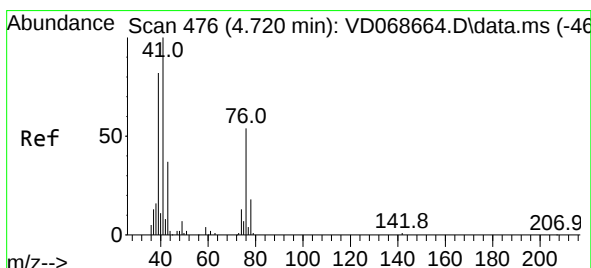
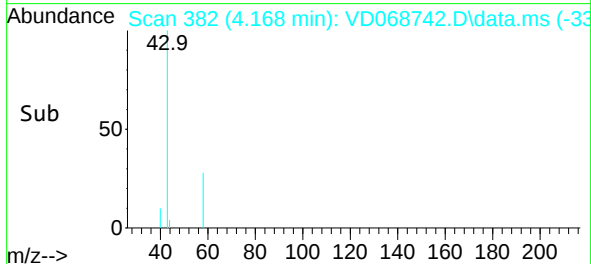
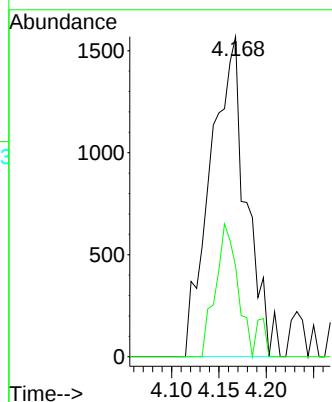


#16
Acetone
Concen: 226.88 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Instrument :
MSVOA_D
ClientSampled :

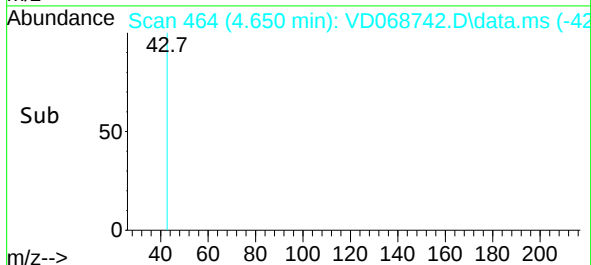
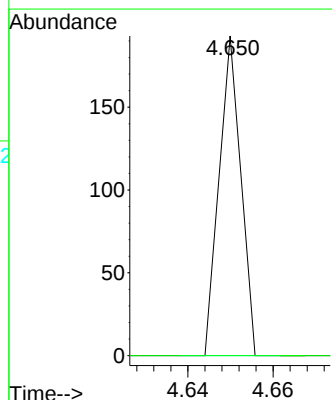
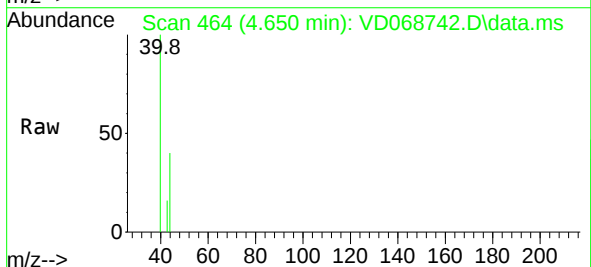


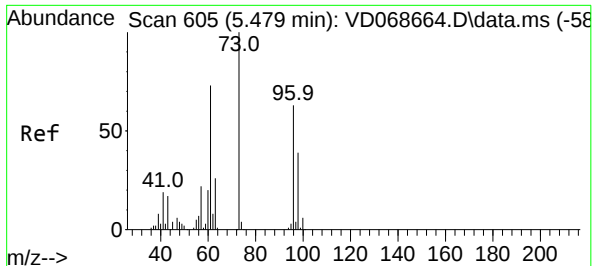
Tgt Ion: 43 Resp: 4142
Ion Ratio Lower Upper
43 100
58 28.4 28.0 42.0



#18
Methyl Acetate
Concen: 1.36 ug/l
RT: 4.650 min Scan# 464
Delta R.T. -0.071 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

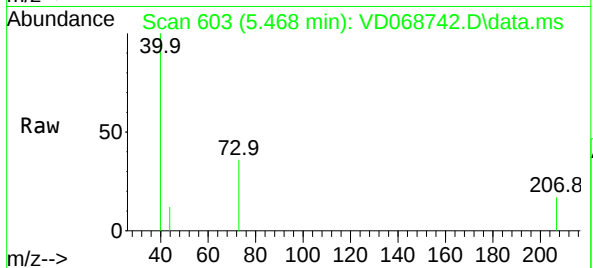
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



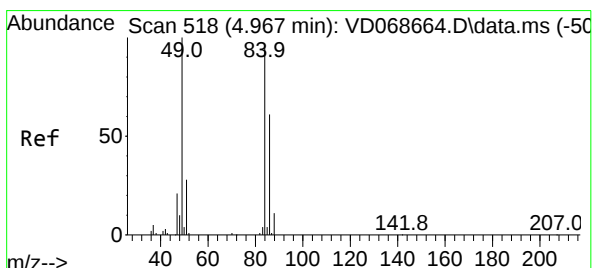
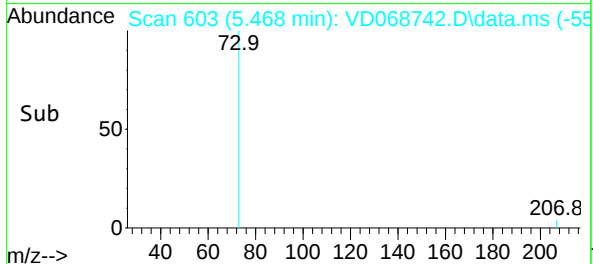
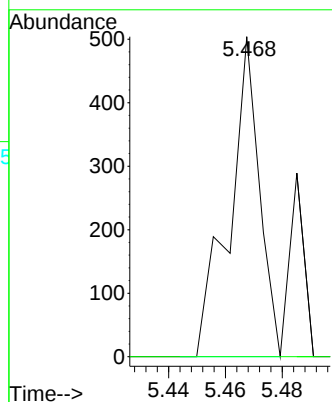


#19
Methyl tert-butyl Ether
Concen: 1.25 ug/l
RT: 5.468 min Scan# 603
Delta R.T. -0.012 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Instrument :
MSVOA_D
ClientSampled :

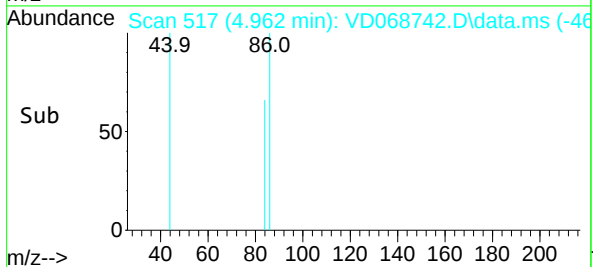
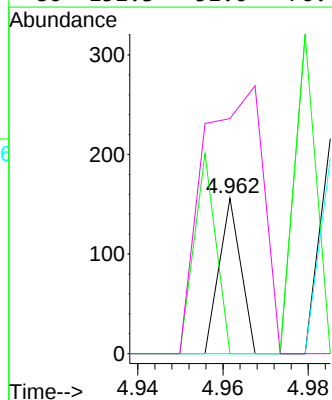
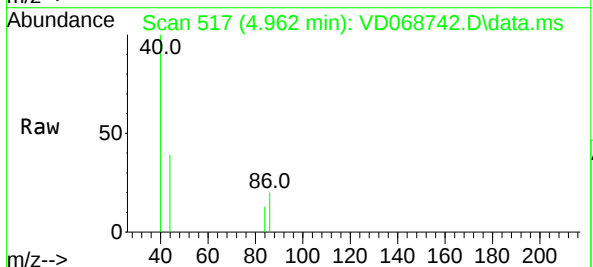


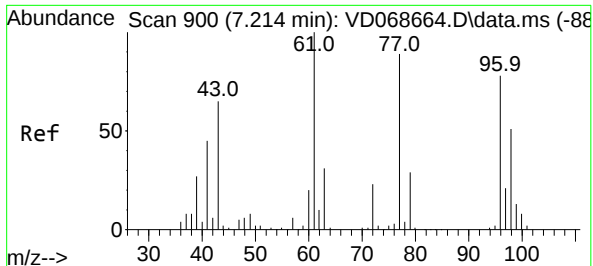
Tgt Ion: 73 Resp: 371
Ion Ratio Lower Upper
73 100
57 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Tgt Ion: 84 Resp: 55
Ion Ratio Lower Upper
84 100
49 0.0 83.4 125.0#
51 0.0 23.4 35.2#
86 151.3 51.0 76.4#





#25

2-Butanone

Concen: 1.79 ug/l

RT: 7.250 min Scan# 906

Delta R.T. 0.035 min

Lab File: VD068742.D

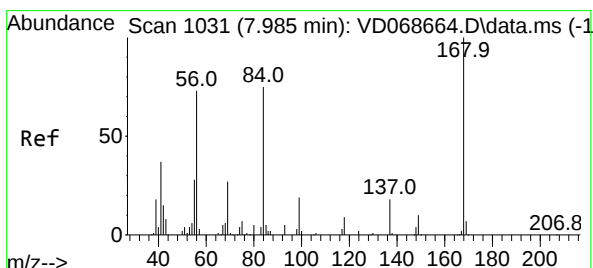
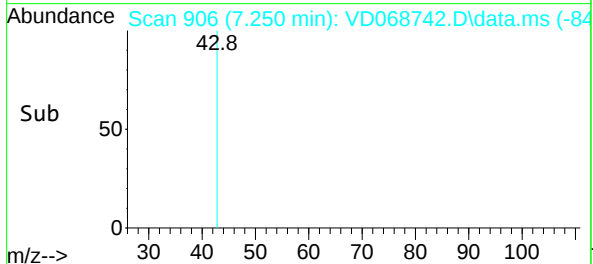
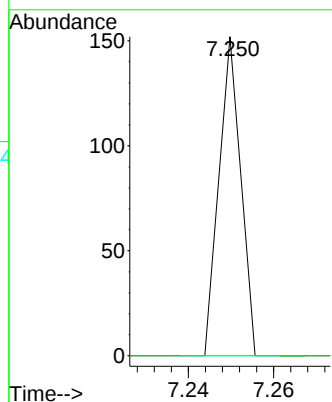
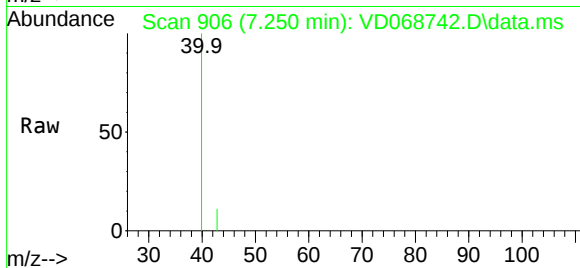
Acq: 31 Mar 2021 17:06

Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

72 0.0 28.6 43.0#



#31

Cyclohexane

Concen: 1.83 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD068742.D

Acq: 31 Mar 2021 17:06

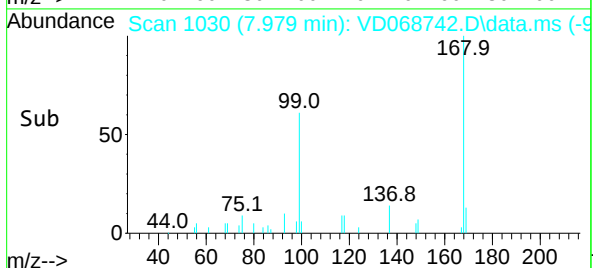
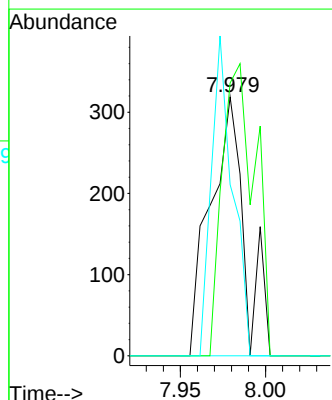
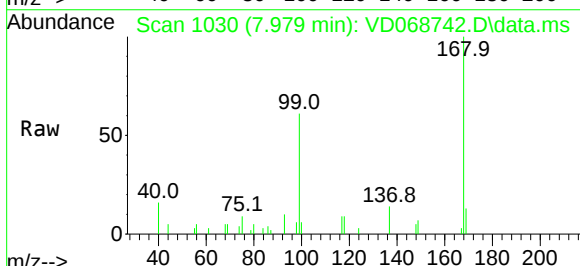
Tgt Ion: 56 Resp: 444

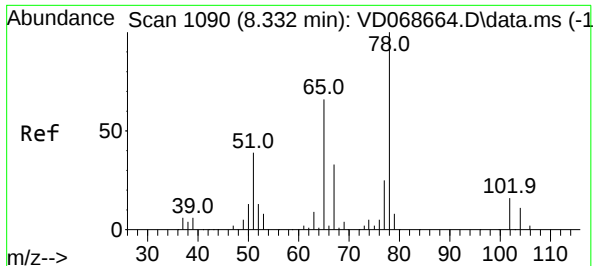
Ion Ratio Lower Upper

56 100

69 105.3 30.0 45.0#

84 66.1 82.0 123.0#





#33

1,2-Dichloroethane-d4

Concen: 73.13 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VD068742.D

Acq: 31 Mar 2021 17:06

Tgt Ion: 65 Resp: 11004

Ion Ratio Lower Upper

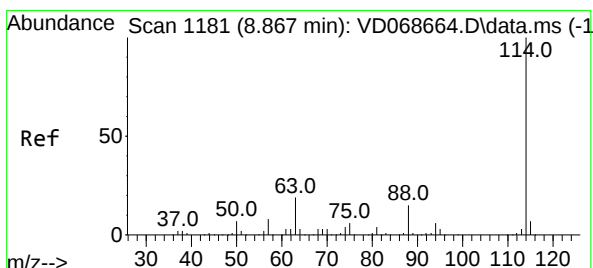
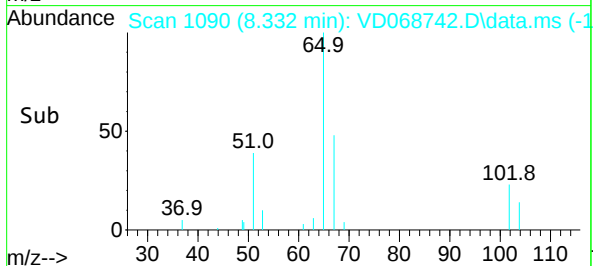
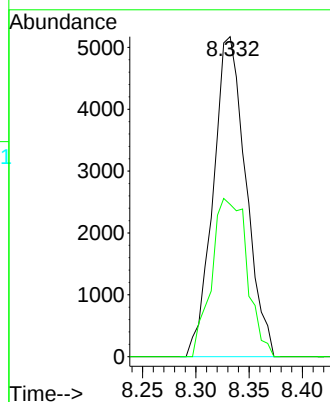
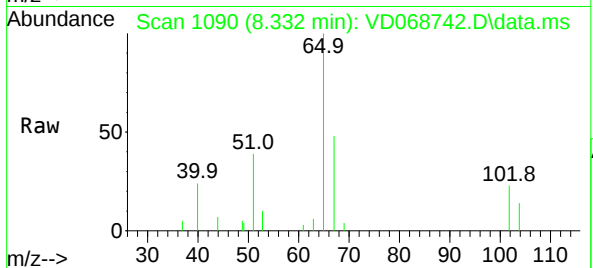
65 100

67 53.7 0.0 106.0

Instrument :

MSVOA_D

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068742.D

Acq: 31 Mar 2021 17:06

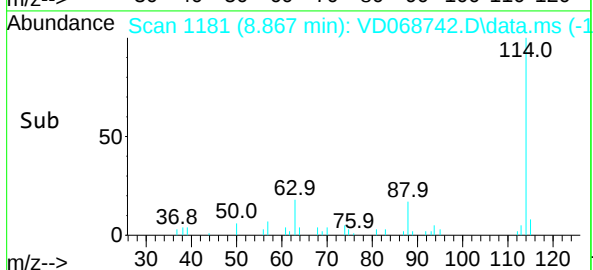
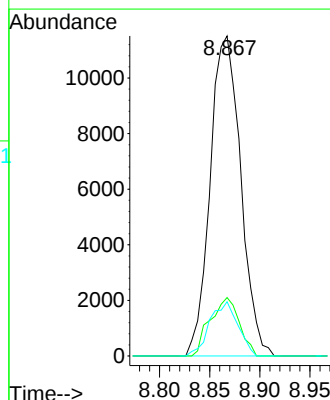
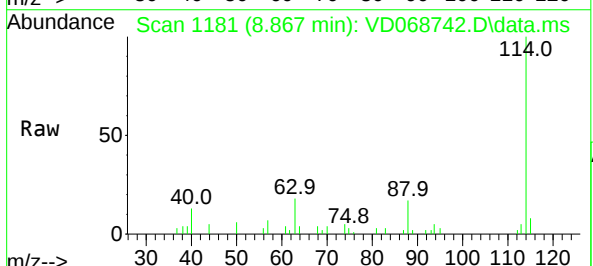
Tgt Ion: 114 Resp: 24367

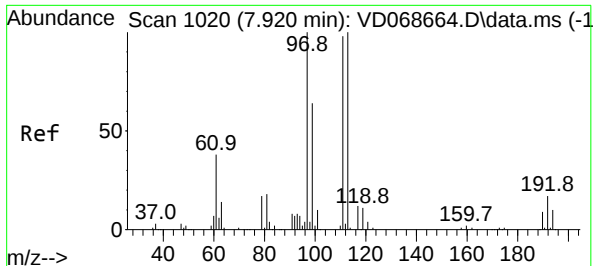
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.2

88 16.9 0.0 29.4





#35

Dibromofluoromethane

Concen: 45.16 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068742.D

Acq: 31 Mar 2021 17:06

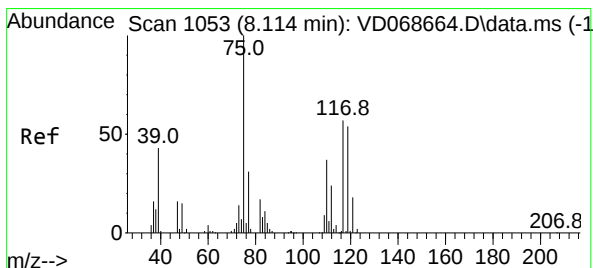
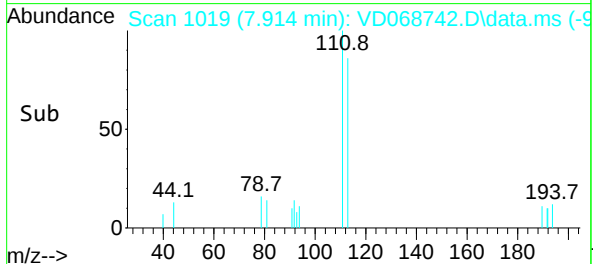
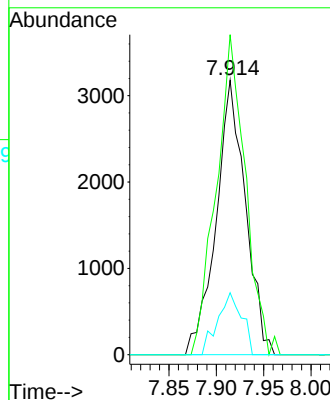
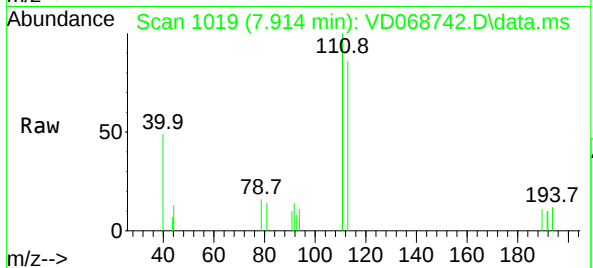
Tgt Ion:113 Resp: 6847

Ion Ratio Lower Upper

113 100

111 116.2 82.5 123.7

192 18.6 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.98 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD068742.D

Acq: 31 Mar 2021 17:06

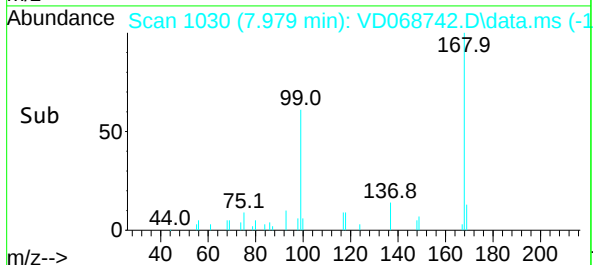
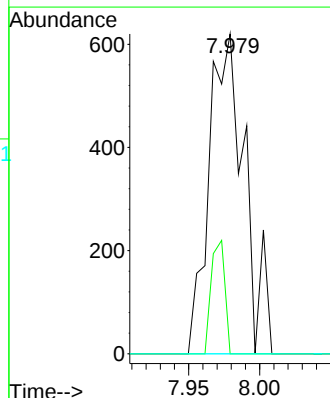
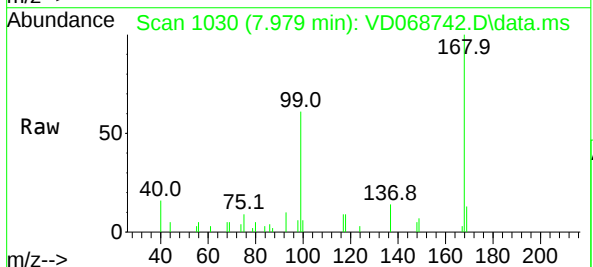
Tgt Ion: 75 Resp: 1083

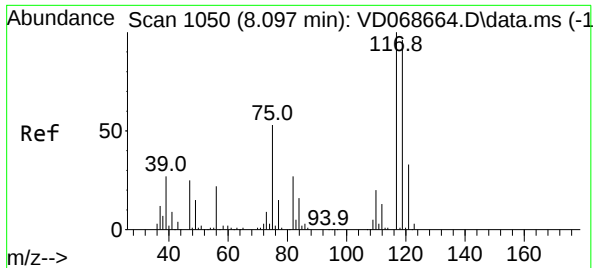
Ion Ratio Lower Upper

75 100

110 13.5 18.1 54.4#

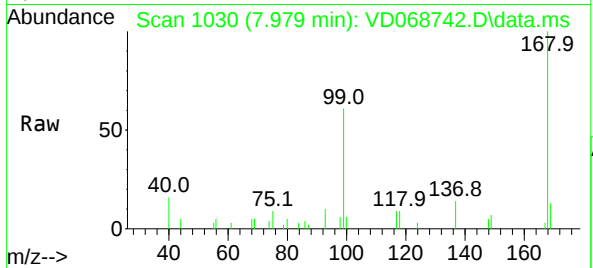
77 0.0 24.7 37.1#



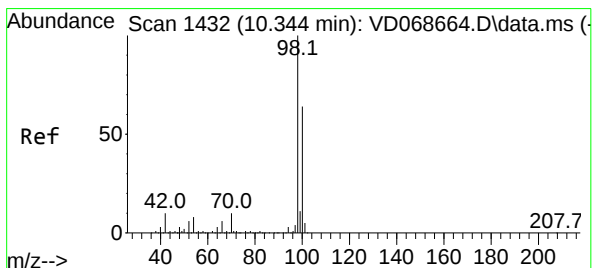
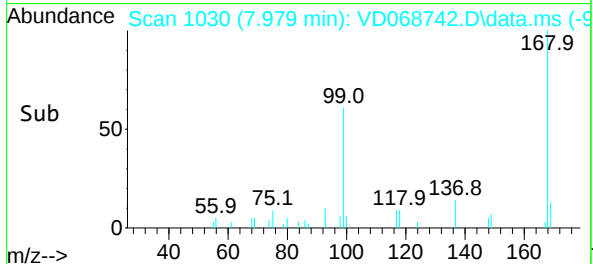
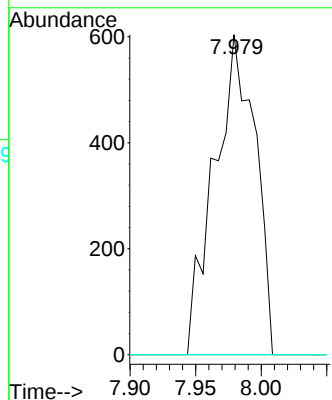


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Instrument :
MSVOA_D
ClientSampleId :

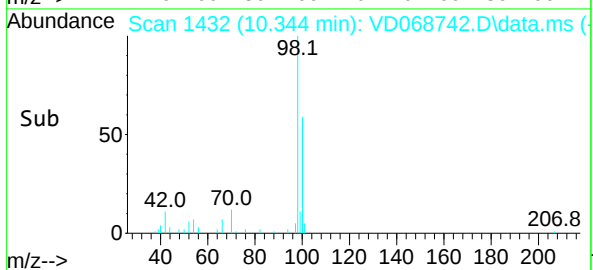
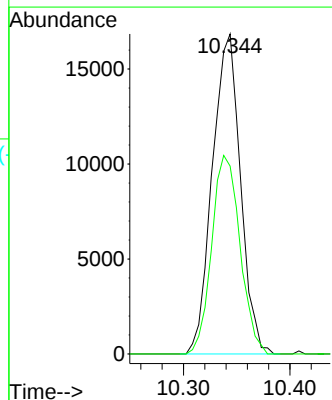
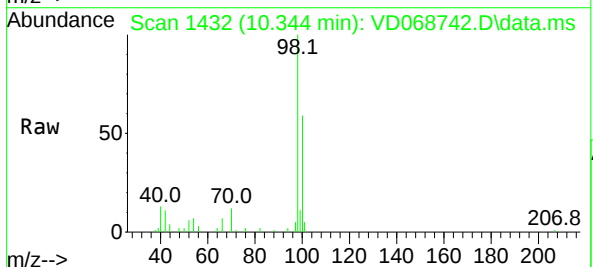


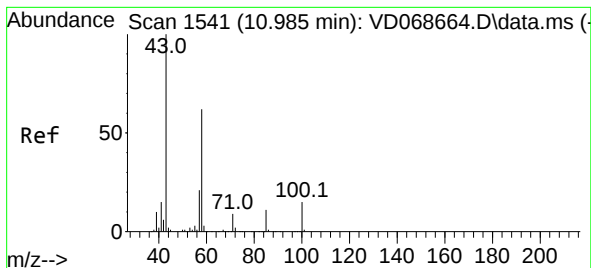
Tgt Ion:117 Resp: 1311
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.77 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Tgt Ion: 98 Resp: 30843
Ion Ratio Lower Upper
98 100
100 62.4 51.8 77.6

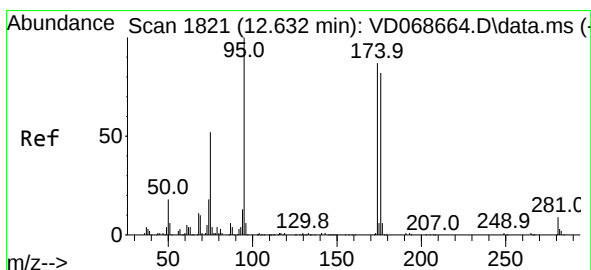
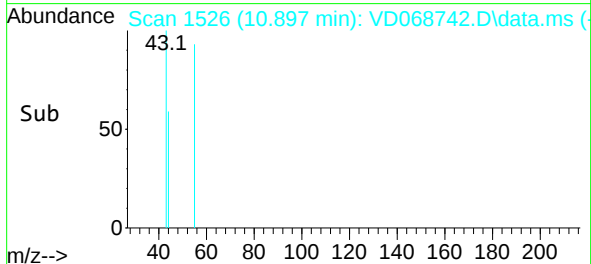
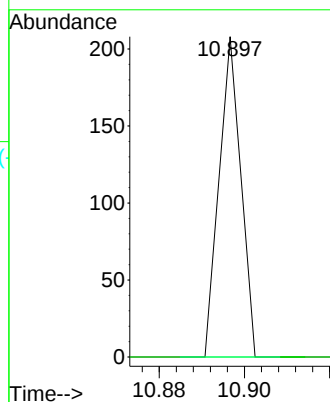
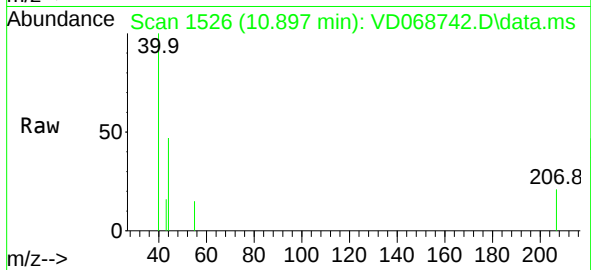




#59
2-Hexanone
Concen: 1.59 ug/l
RT: 10.897 min Scan# 1526
Delta R.T. -0.088 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

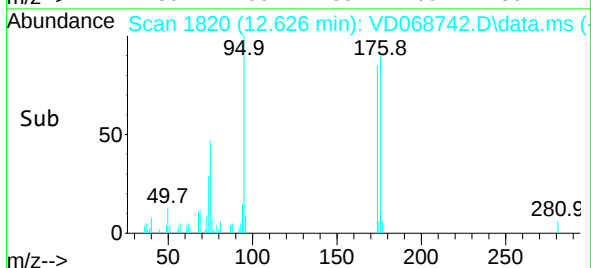
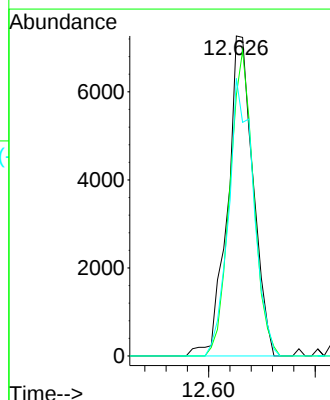
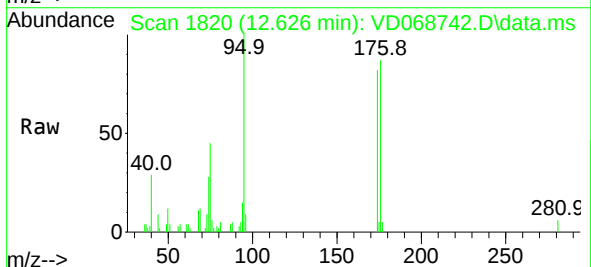
Instrument :
MSVOA_D
ClientSampled :

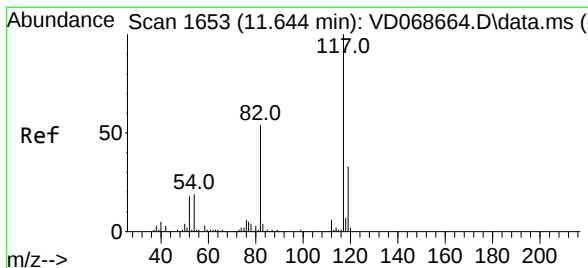
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 64.17 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Tgt Ion: 95 Resp: 12161
Ion Ratio Lower Upper
95 100
174 88.3 0.0 168.0
176 84.3 0.0 160.2

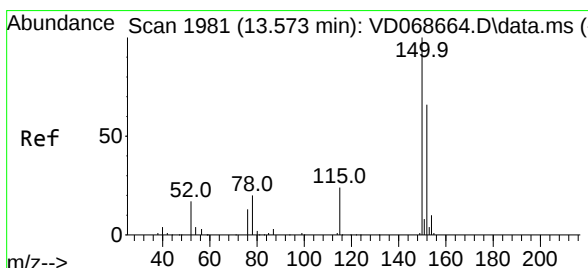
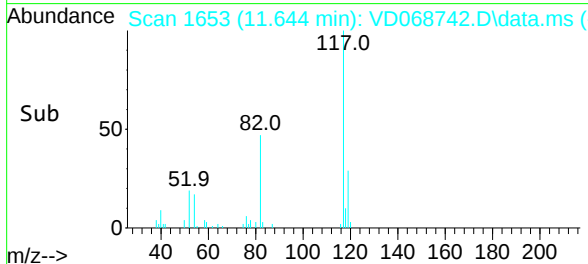
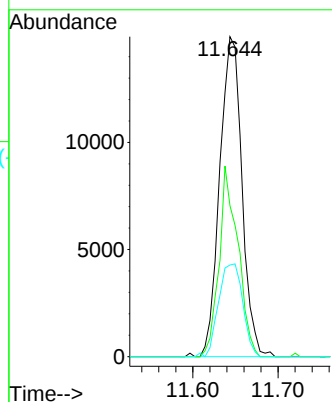
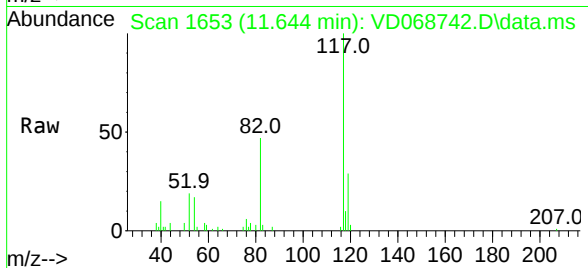




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

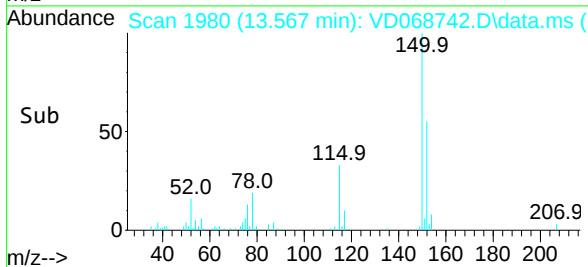
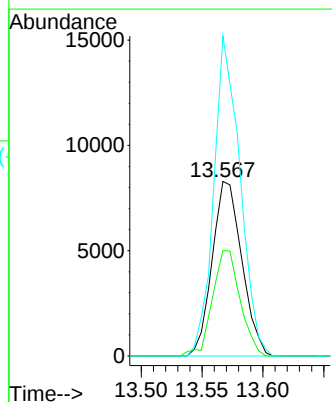
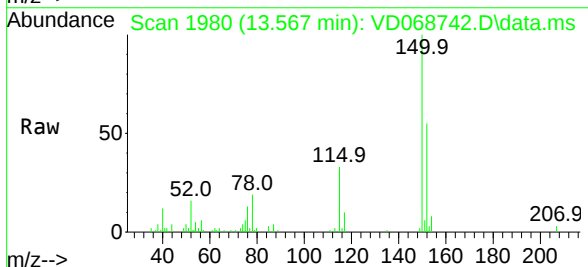
Instrument :
MSVOA_D
ClientSampleId :

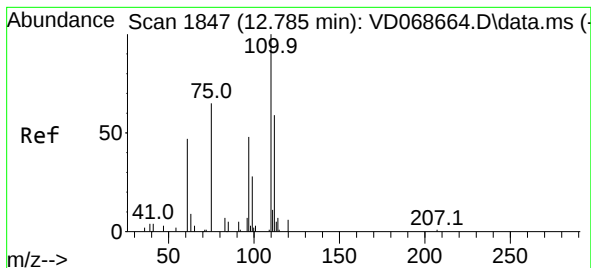
Tgt Ion:117 Resp: 27152
Ion Ratio Lower Upper
117 100
82 47.2 43.5 65.3
119 28.6 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Tgt Ion:152 Resp: 14032
Ion Ratio Lower Upper
152 100
115 56.4 29.3 87.8
150 162.5 0.0 347.6

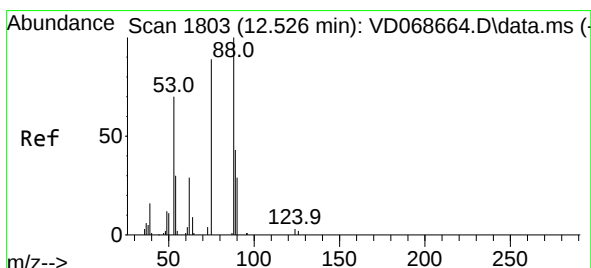
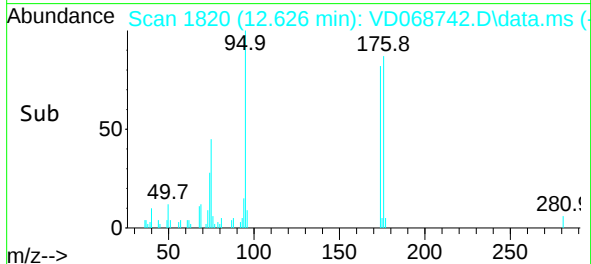
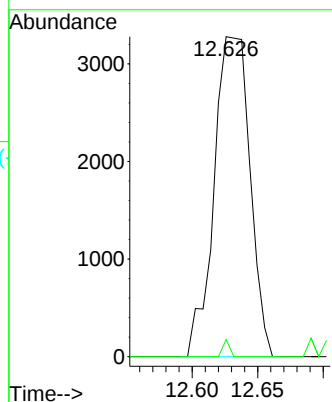
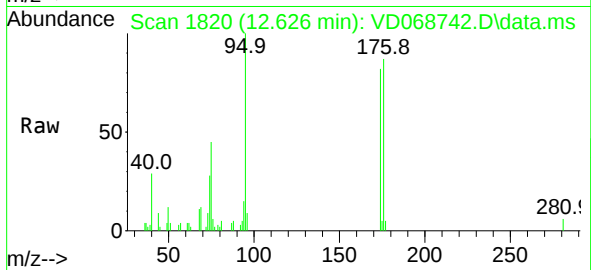




#76
1,2,3-Trichloropropane
Concen: 53.59 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 6259
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.93 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068742.D
Acq: 31 Mar 2021 17:06

Tgt Ion: 75 Resp: 6259
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#

