

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
 Data File : VD068592.D
 Acq On : 11 Mar 2021 18:30
 Operator : VA/SY
 Sample : M1642-03
 Misc : 6.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 12 00:14:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

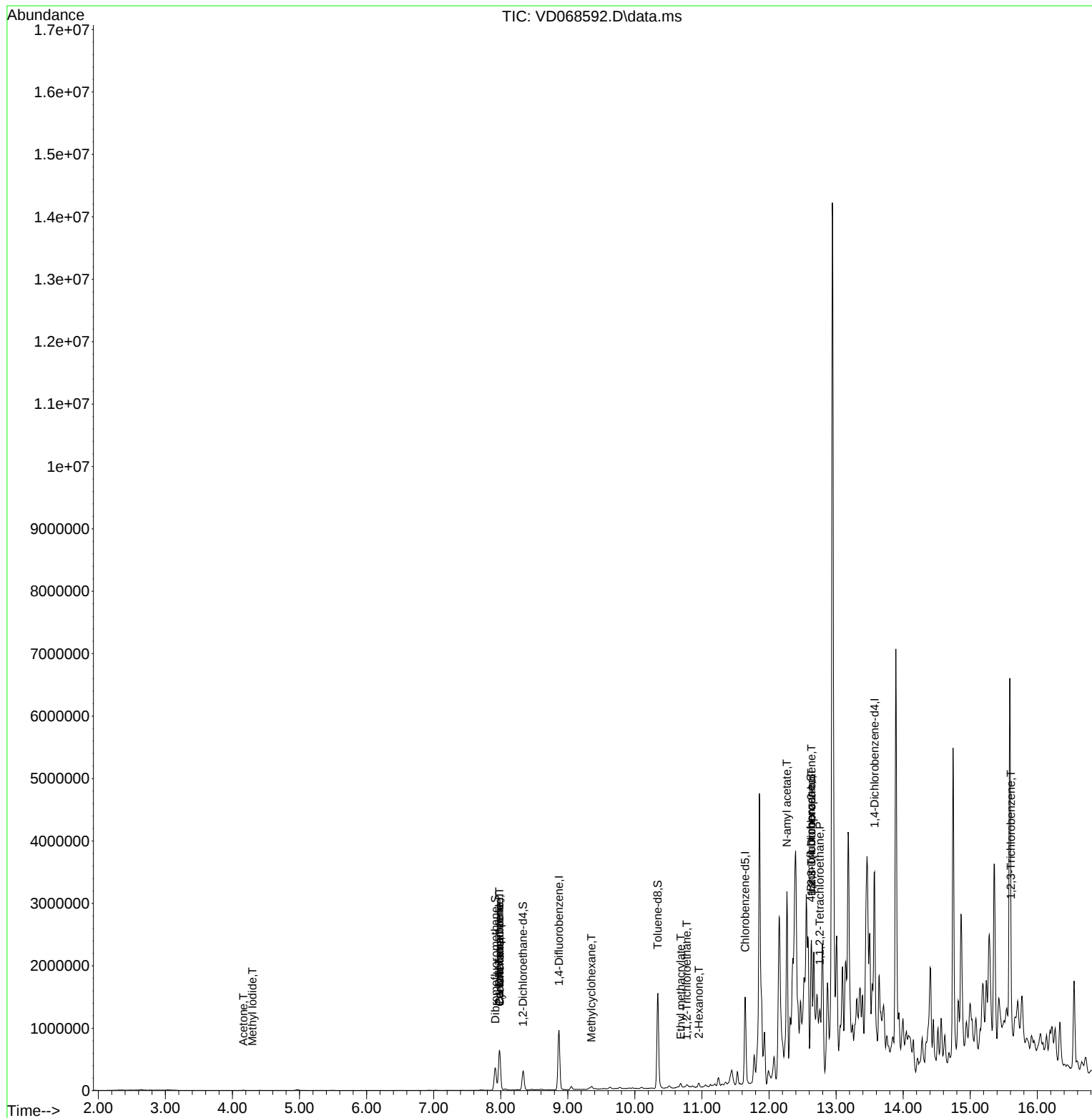
Internal Standards						
1) Pentafluorobenzene	7.979	168	496554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	872935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	854494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	492445	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	246735	49.73	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.46%		
35) Dibromofluoromethane	7.920	113	261900	49.80	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.60%		
50) Toluene-d8	10.338	98	1086032	51.85	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.70%		
62) 4-Bromofluorobenzene	12.626	95	438448	64.95	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	129.90%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.297	142	275	2.66	ug/l #	62
16) Acetone	4.162	43	7408	9.40	ug/l	95
20) Methylene Chloride	4.956	84	8767	Below Cal	#	89
31) Cyclohexane	7.985	56	12014	1.33	ug/l #	21
36) 1,1-Dichloropropene	7.979	75	36688	4.42	ug/l #	50
38) Carbon Tetrachloride	7.979	117	48111	6.17	ug/l #	16
39) Methylcyclohexane	9.350	83	21085	2.06	ug/l #	84
55) 1,1,2-Trichloroethane	10.773	97	19636	4.58	ug/l #	22
56) Ethyl methacrylate	10.685	69	7366	1.50	ug/l #	31
59) 2-Hexanone	10.955	43	22423	12.71	ug/l #	25
74) N-amyl acetate	12.267	43	512868	82.43	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.755	83	14473	2.30	ug/l #	27
76) 1,2,3-Trichloropropane	12.632	75	203865	46.63	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	203865	108.82	ug/l #	17
96) 1,2,3-Trichlorobenzene	15.608	180	15372	1.66	ug/l #	12

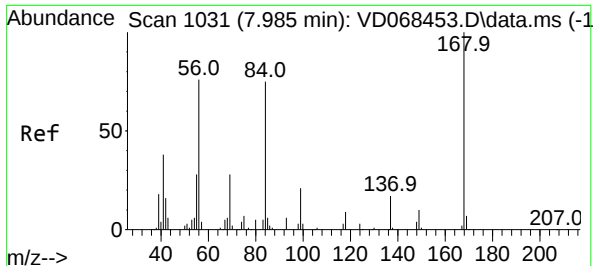
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

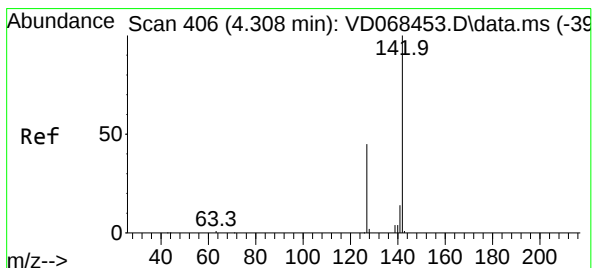
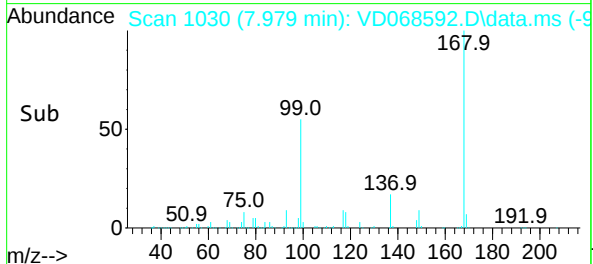
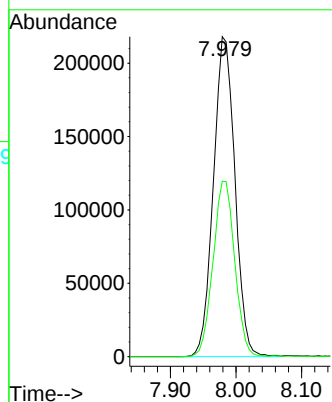
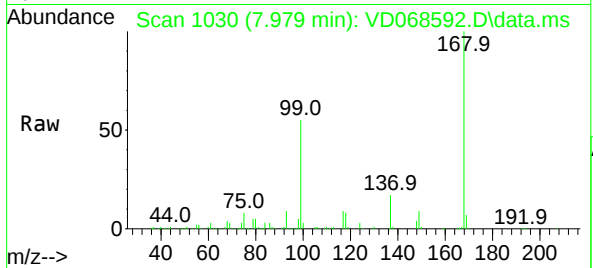




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

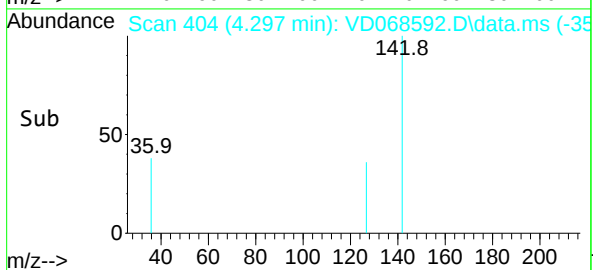
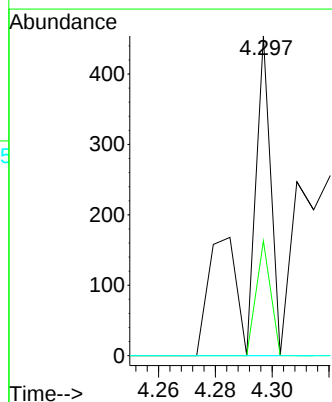
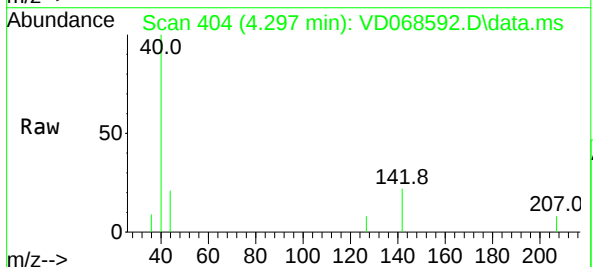
Instrument :
MSVOA_D
ClientSampled :

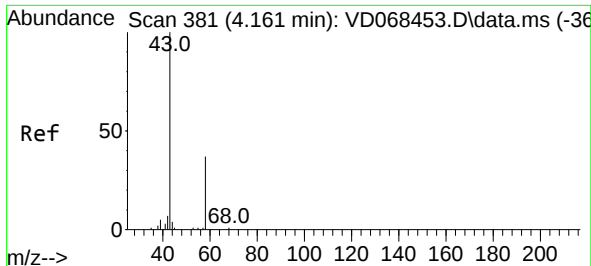
Tgt Ion:168 Resp: 496554
Ion Ratio Lower Upper
168 100
99 54.9 43.5 65.3



#10
Methyl Iodide
Concen: 2.66 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

Tgt Ion:142 Resp: 275
Ion Ratio Lower Upper
142 100
127 21.1 37.9 56.9#
141 0.0 11.5 17.3#

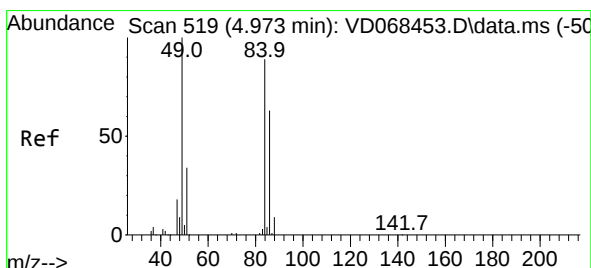
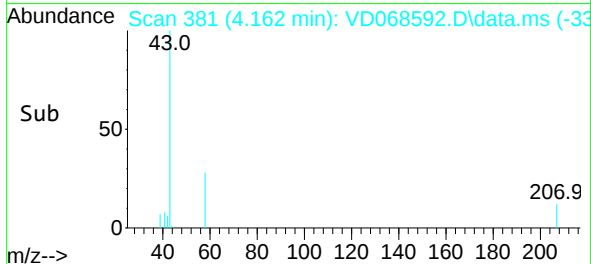
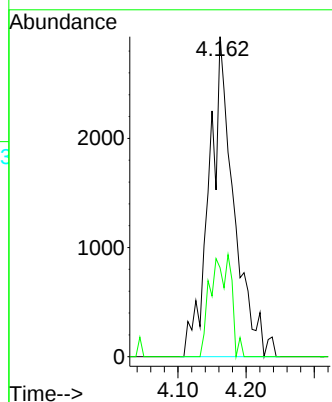
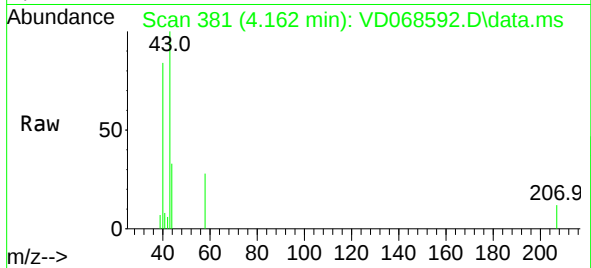




#16
Acetone
Concen: 9.40 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

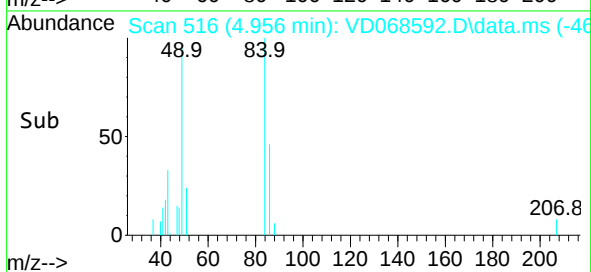
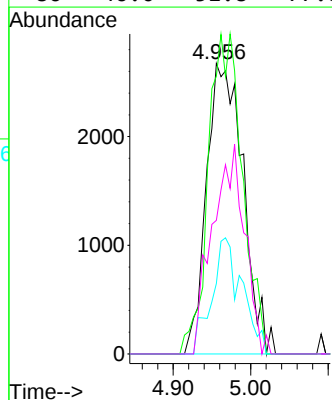
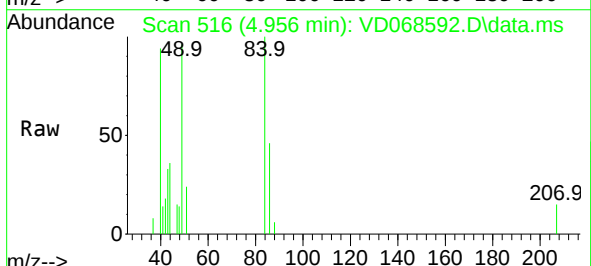
Instrument :
MSVOA_D
ClientSampled :

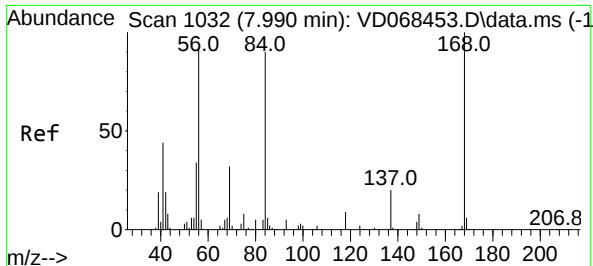
Tgt Ion: 43 Resp: 7408
Ion Ratio Lower Upper
43 100
58 27.8 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.017 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

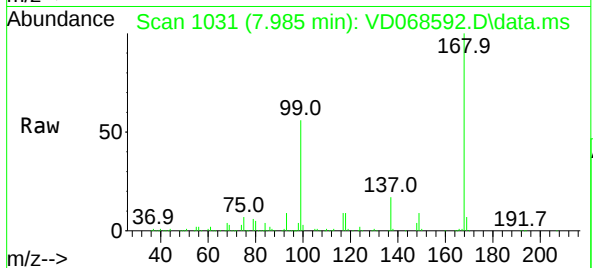
Tgt Ion: 84 Resp: 8767
Ion Ratio Lower Upper
84 100
49 95.6 77.4 116.2
51 24.2 26.1 39.1#
86 46.0 51.8 77.8#



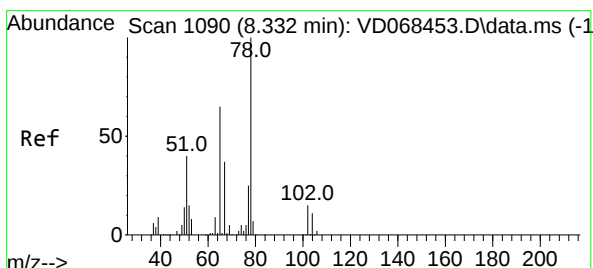
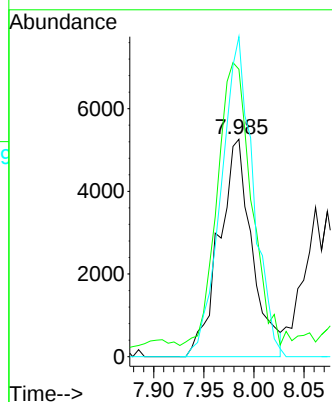
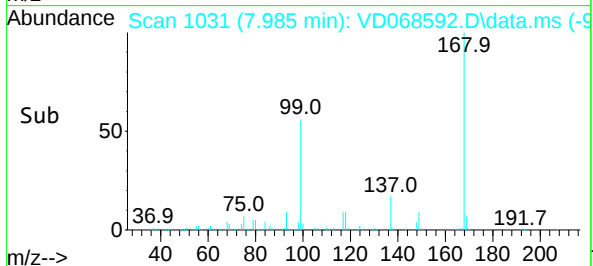


#31
Cyclohexane
Concen: 1.33 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.005 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

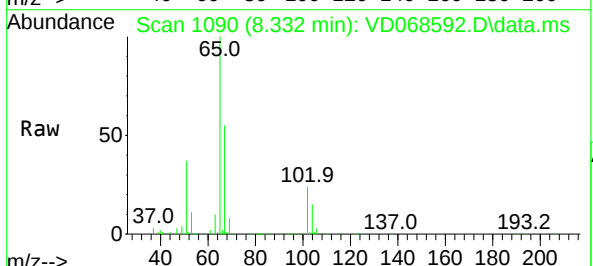
Instrument :
MSVOA_D
ClientSampleId :



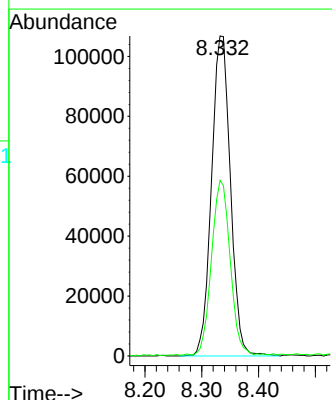
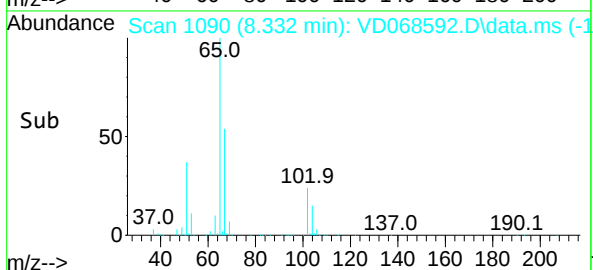
Tgt Ion: 56 Resp: 12014
Ion Ratio Lower Upper
56 100
69 127.0 30.1 45.1#
84 156.2 82.1 123.1#

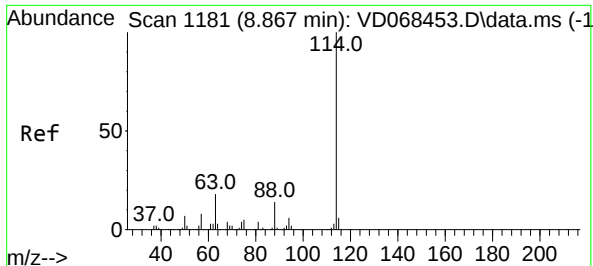


#33
1,2-Dichloroethane-d4
Concen: 49.73 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30



Tgt Ion: 65 Resp: 246735
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.0



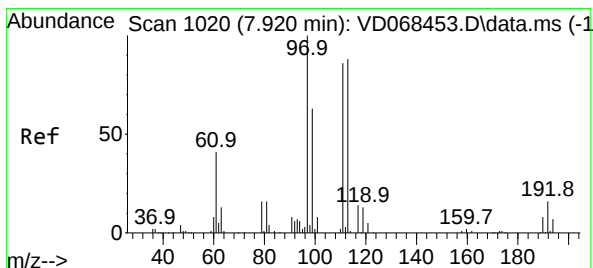
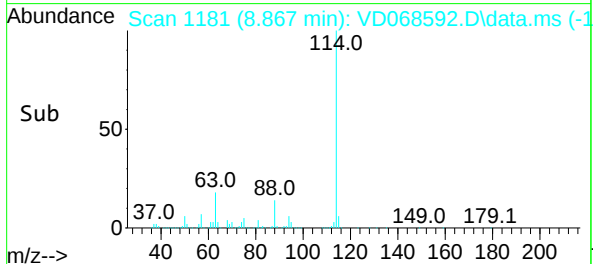
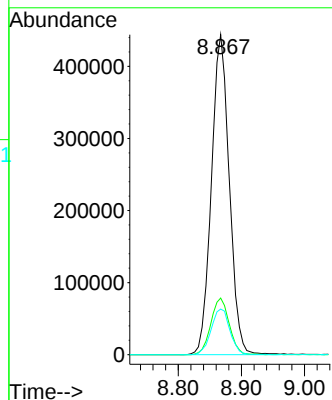
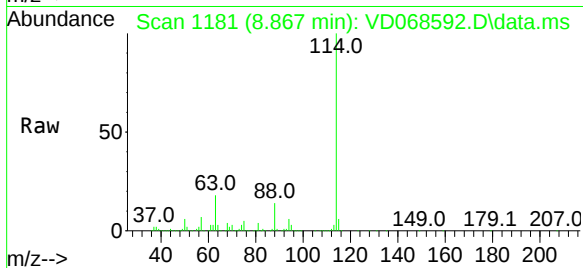


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

Instrument :
MSVOA_D
ClientSampled :

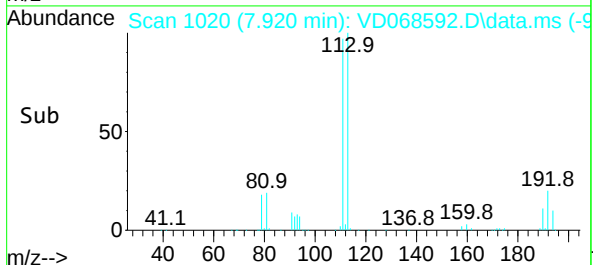
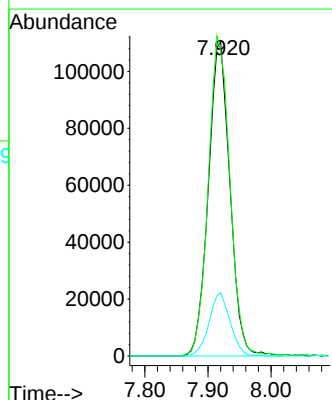
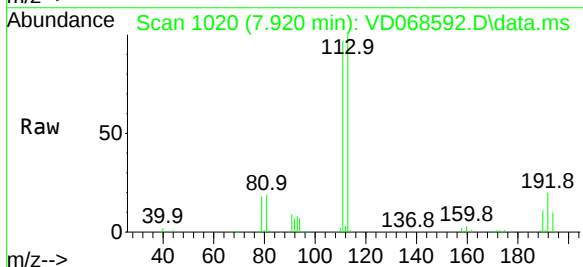
Tgt Ion:114 Resp: 872935
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.8
88 14.3 0.0 31.6

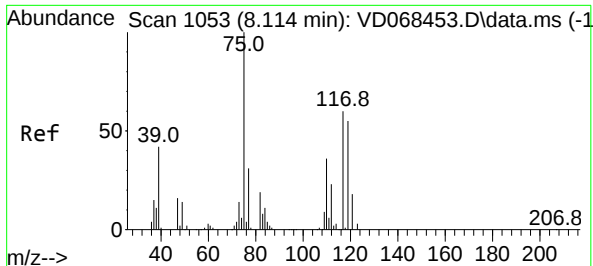


#35

Dibromofluoromethane
Concen: 49.80 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

Tgt Ion:113 Resp: 261900
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 19.7 16.1 24.1

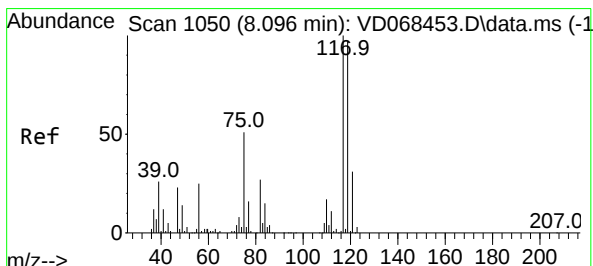
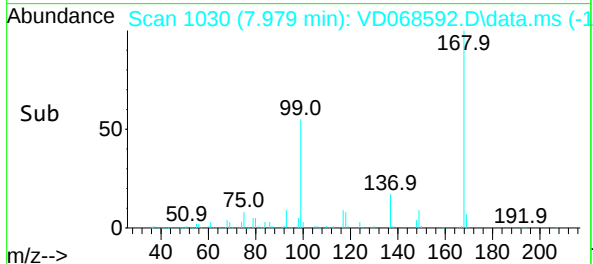
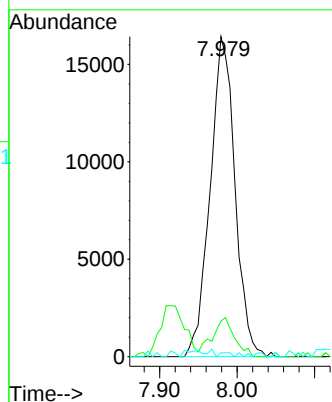
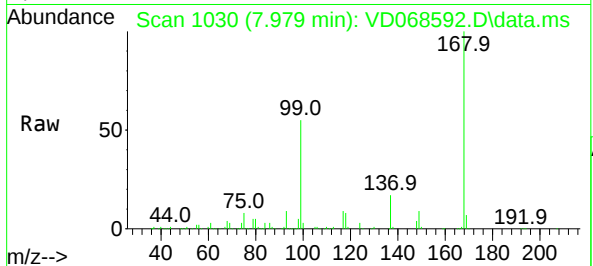




#36
1,1-Dichloropropene
Concen: 4.42 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

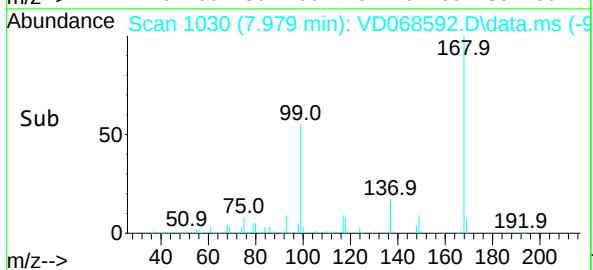
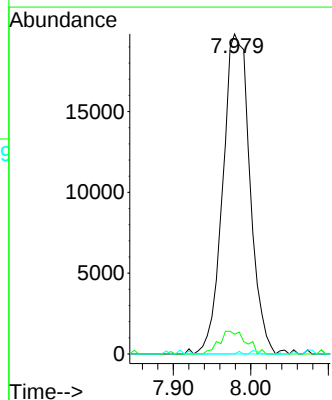
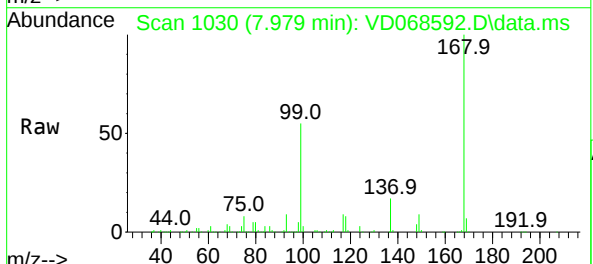
Instrument :
MSVOA_D
ClientSampled :

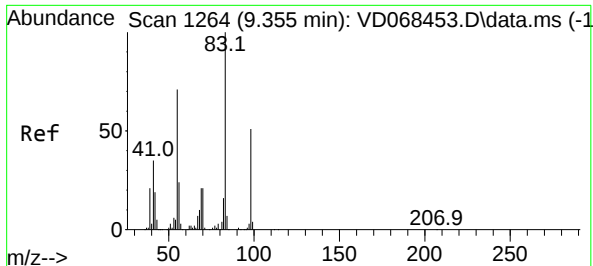
Tgt Ion: 75 Resp: 36688
Ion Ratio Lower Upper
75 100
110 10.9 19.4 58.2#
77 0.6 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.17 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

Tgt Ion: 117 Resp: 48111
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 2.06 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.005 min

Lab File: VD068592.D

Acq: 11 Mar 2021 18:30

Tgt Ion: 83 Resp: 21085

Ion Ratio Lower Upper

83 100

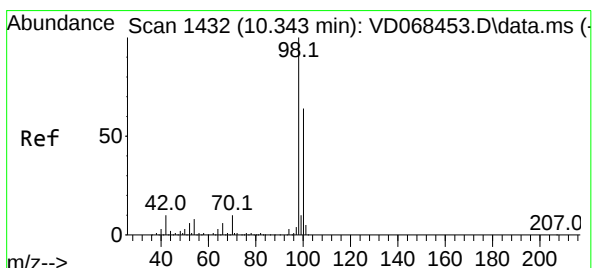
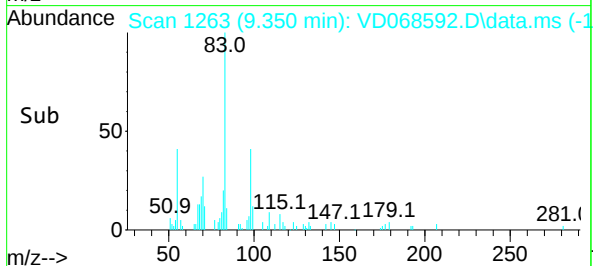
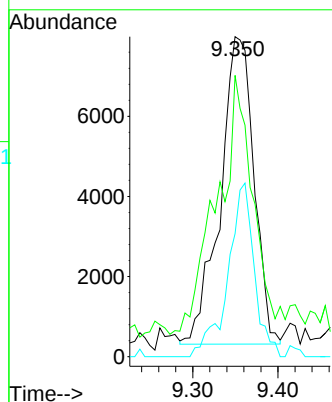
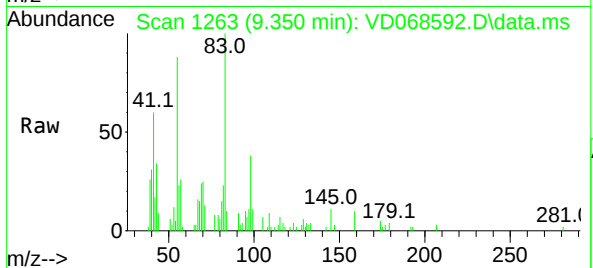
55 84.1 55.2 82.8#

98 40.4 39.1 58.7

Instrument :

MSVOA_D

ClientSampled :



#50

Toluene-d8

Concen: 51.85 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.005 min

Lab File: VD068592.D

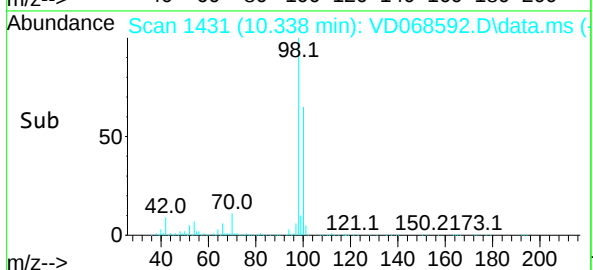
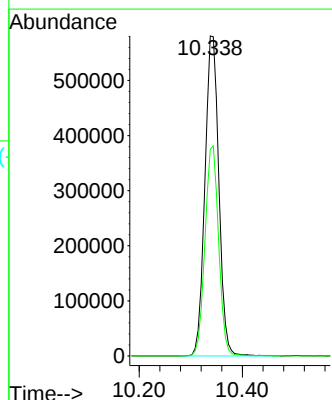
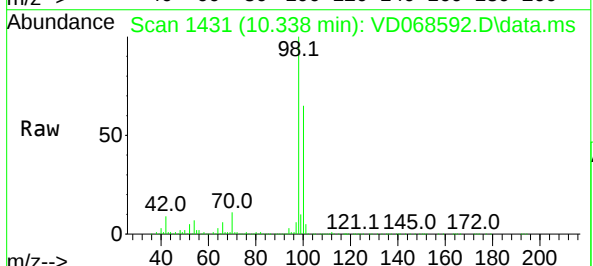
Acq: 11 Mar 2021 18:30

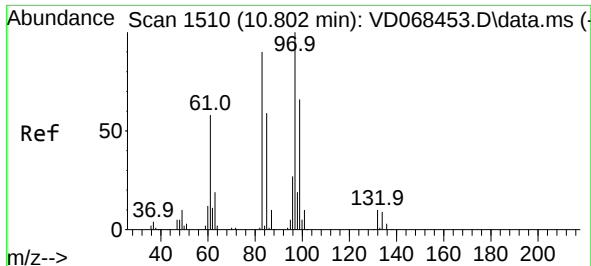
Tgt Ion: 98 Resp: 1086032

Ion Ratio Lower Upper

98 100

100 64.5 53.0 79.4

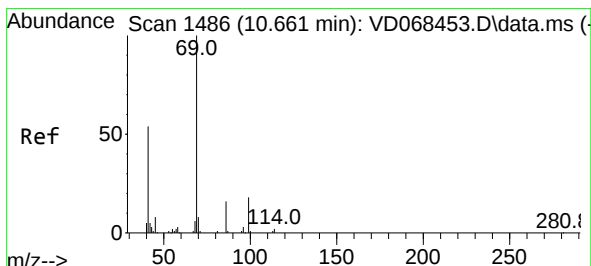
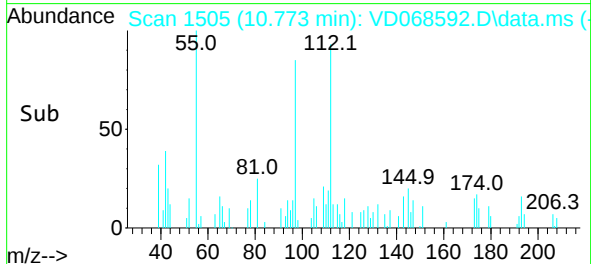
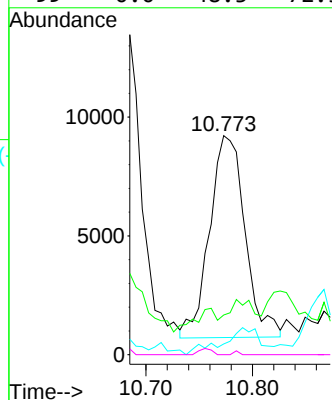
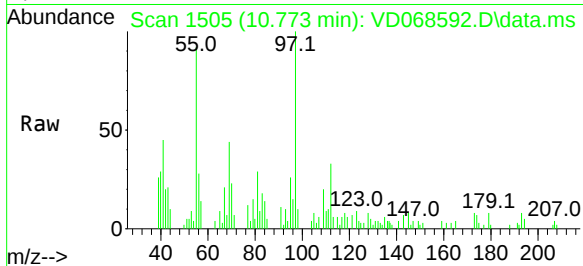




#55
1,1,2-Trichloroethane
Concen: 4.58 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.029 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

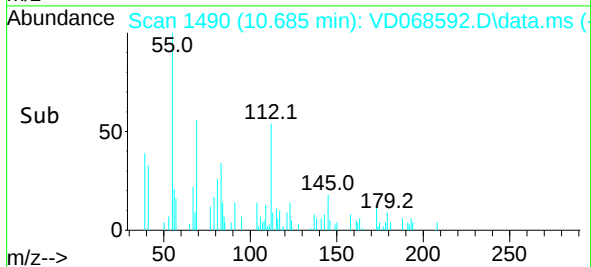
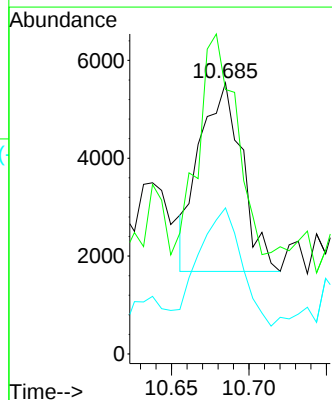
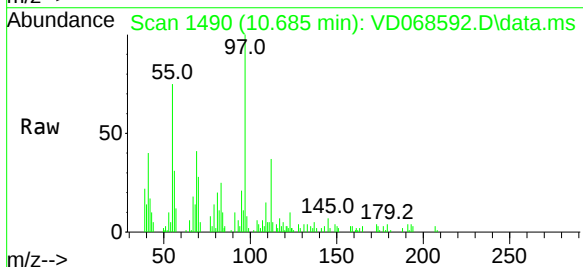
Instrument :
MSVOA_D
ClientSampled :

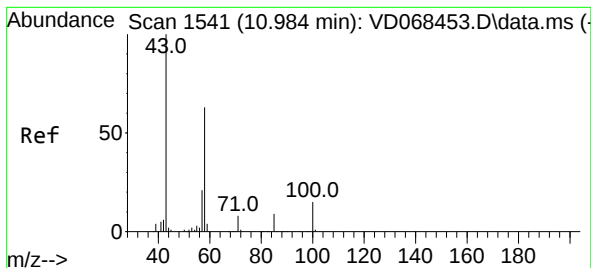
Tgt Ion:	97	Resp:	19636
Ion	Ratio	Lower	Upper
97	100		
83	5.2	61.8	92.6#
85	3.1	42.2	63.2#
99	0.0	48.3	72.5#



#56
Ethyl methacrylate
Concen: 1.50 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.024 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

Tgt Ion:	69	Resp:	7366
Ion	Ratio	Lower	Upper
69	100		
41	106.3	44.9	67.3#
39	63.4	21.9	32.9#

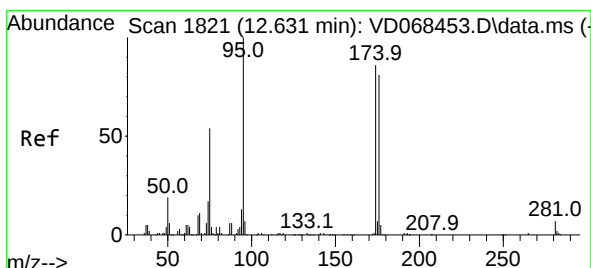
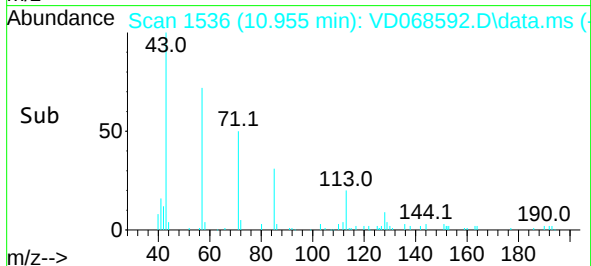
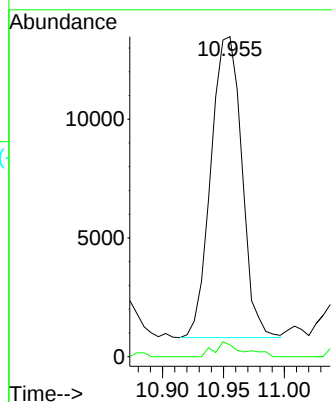
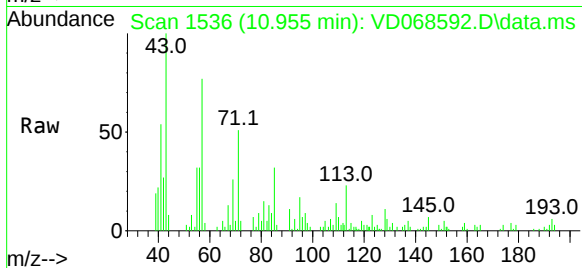




#59
2-Hexanone
Concen: 12.71 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.029 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

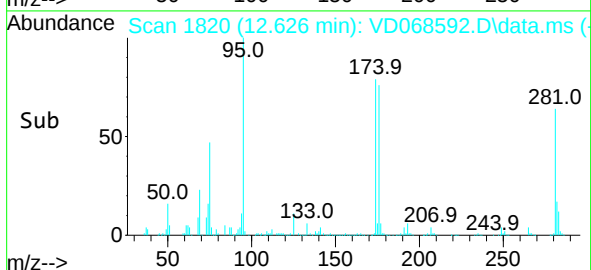
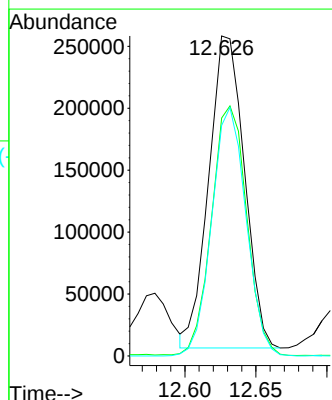
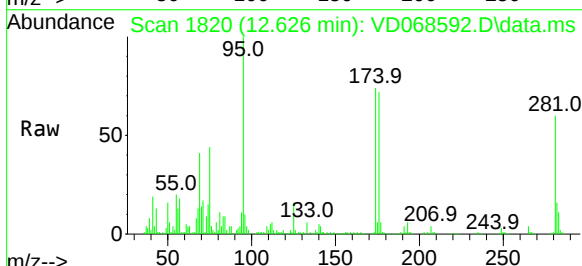
Instrument :
MSVOA_D
ClientSampled :

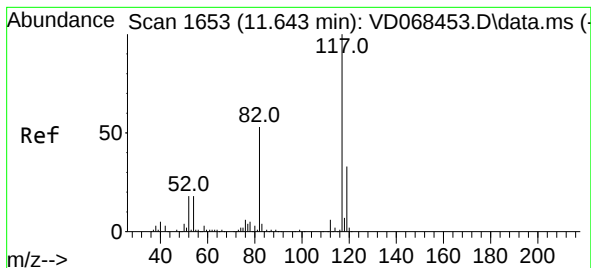
Tgt Ion: 43 Resp: 22423
Ion Ratio Lower Upper
43 100
58 4.4 31.0 93.0#



#62
4-Bromofluorobenzene
Concen: 64.95 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.005 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

Tgt Ion: 95 Resp: 438448
Ion Ratio Lower Upper
95 100
174 79.4 0.0 172.4
176 76.9 0.0 168.4

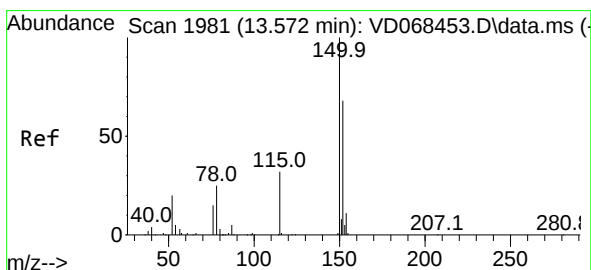
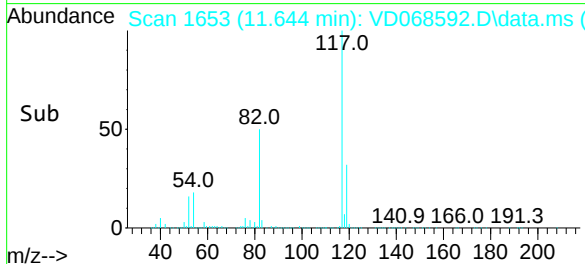
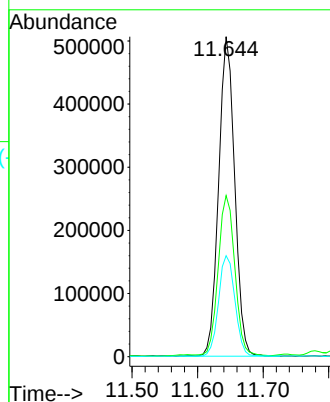
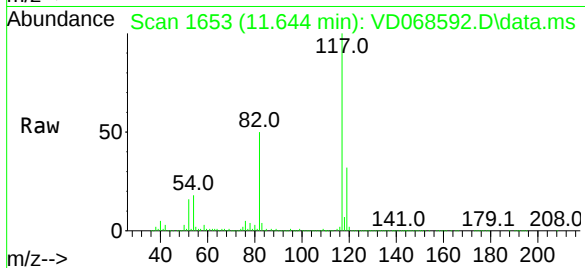




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

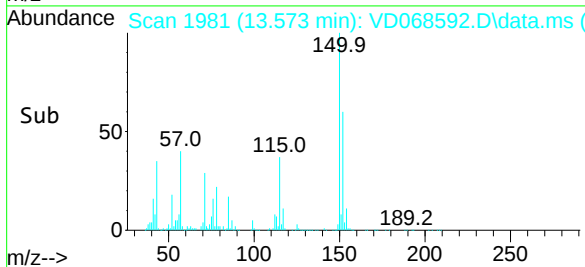
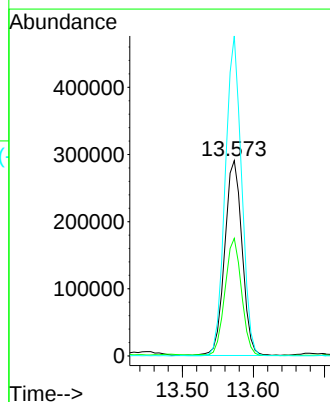
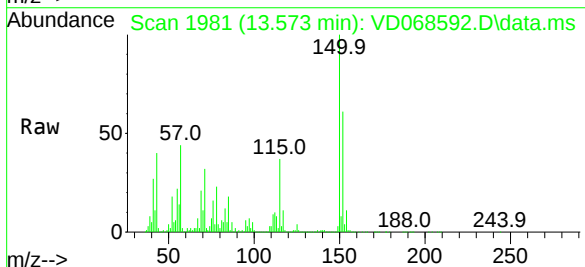
Instrument :
MSVOA_D
ClientSampleId :

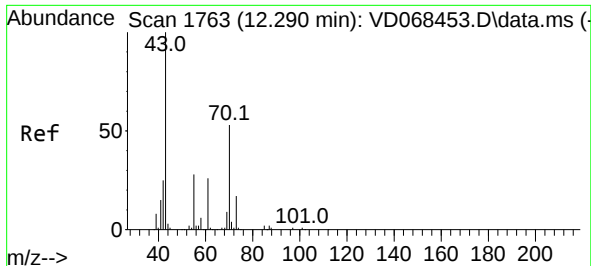
Tgt Ion:117 Resp: 854494
Ion Ratio Lower Upper
117 100
82 49.8 41.4 62.0
119 31.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

Tgt Ion:152 Resp: 492445
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.8
150 154.0 0.0 344.4



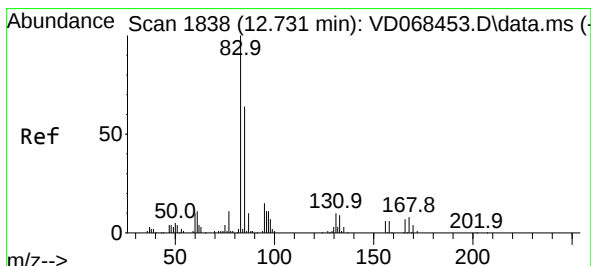
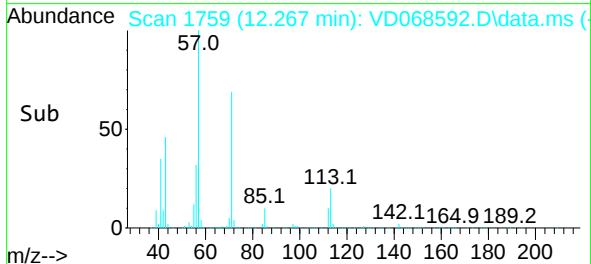
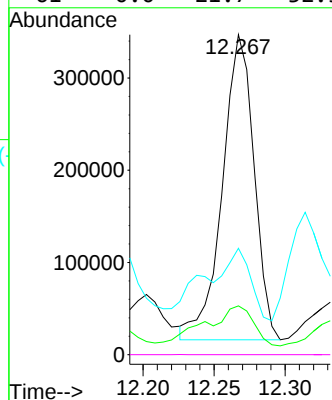
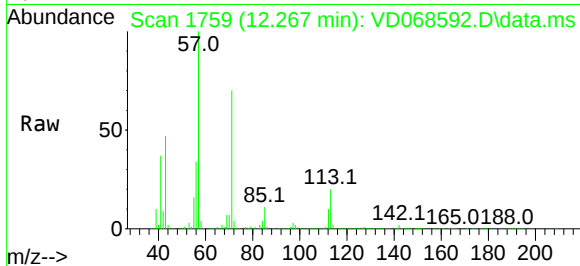


#74
N-amy1 acetate
Concen: 82.43 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.023 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 512868

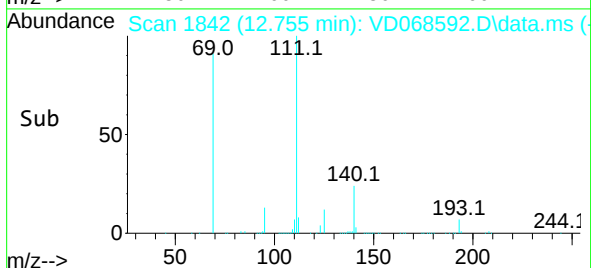
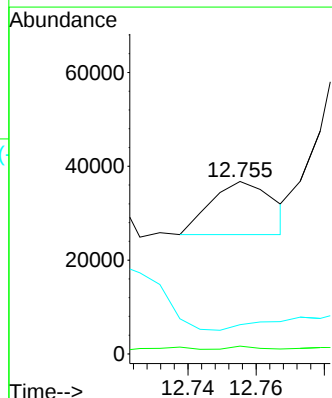
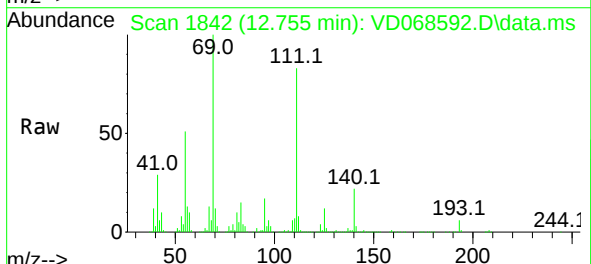
Ion	Ratio	Lower	Upper
43	100		
70	20.1	41.8	62.8#
55	19.7	24.2	36.4#
61	0.0	21.7	32.5#

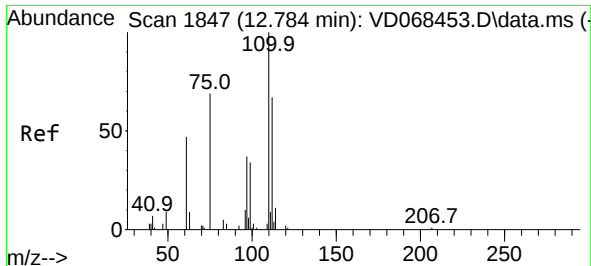


#75
1,1,2,2-Tetrachloroethane
Concen: 2.30 ug/l
RT: 12.755 min Scan# 1842
Delta R.T. 0.024 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

Tgt Ion: 83 Resp: 14473

Ion	Ratio	Lower	Upper
83	100		
131	2.8	5.8	17.4#
85	0.0	32.4	97.2#

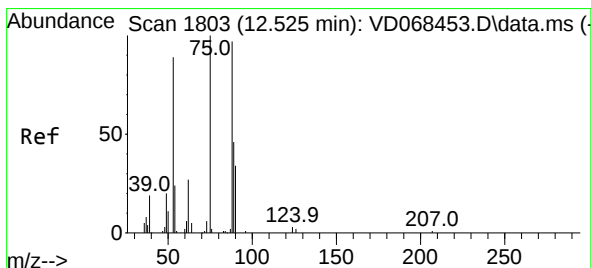
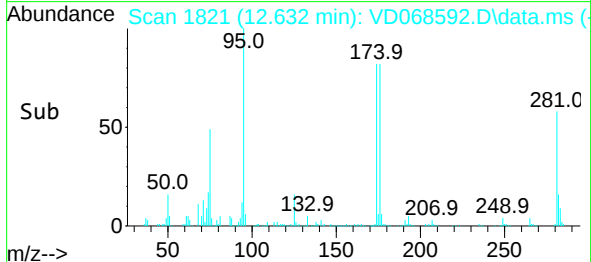
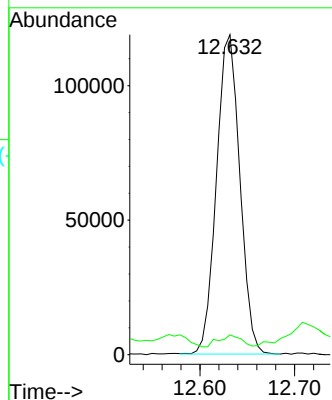
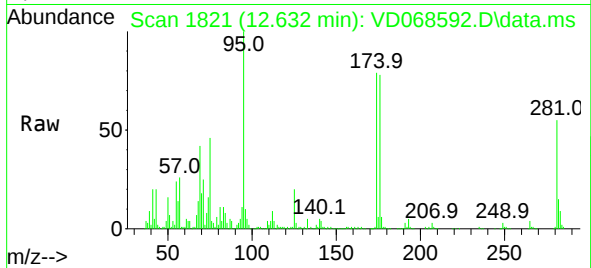




#76
1,2,3-Trichloropropane
Concen: 46.63 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

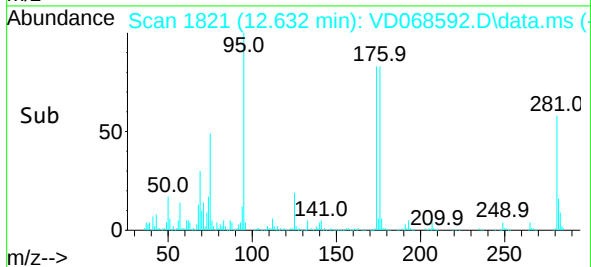
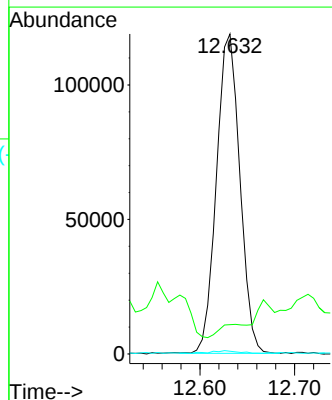
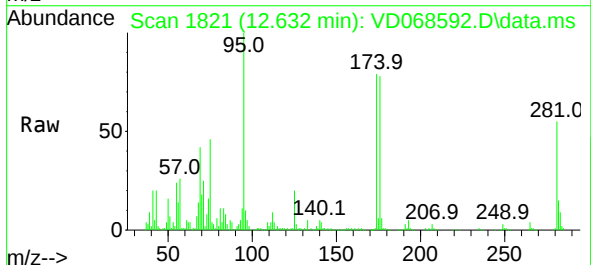
Instrument :
MSVOA_D
ClientSampled :

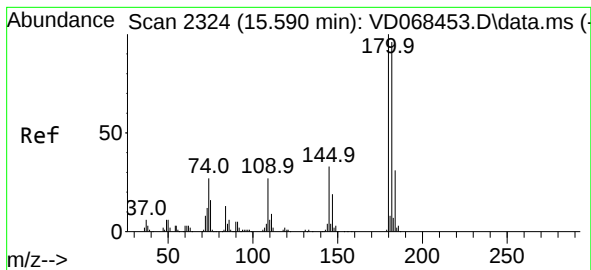
Tgt Ion: 75 Resp: 203865
Ion Ratio Lower Upper
75 100
77 3.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.82 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068592.D
Acq: 11 Mar 2021 18:30

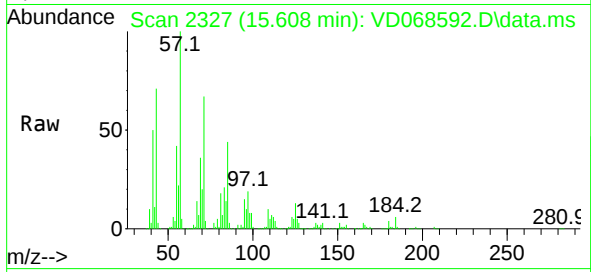
Tgt Ion: 75 Resp: 203865
Ion Ratio Lower Upper
75 100
53 4.8 70.2 105.2#
89 1.1 40.3 60.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.66 ug/l
 RT: 15.608 min Scan# 2327
 Delta R.T. 0.018 min
 Lab File: VD068592.D
 Acq: 11 Mar 2021 18:30

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:180 Resp: 15372
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.3 144.8#
 145 0.0 16.7 50.1#

