

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069609.D
 Acq On : 07 Jul 2021 15:36
 Operator : VA/SY
 Sample : M2936-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:07:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

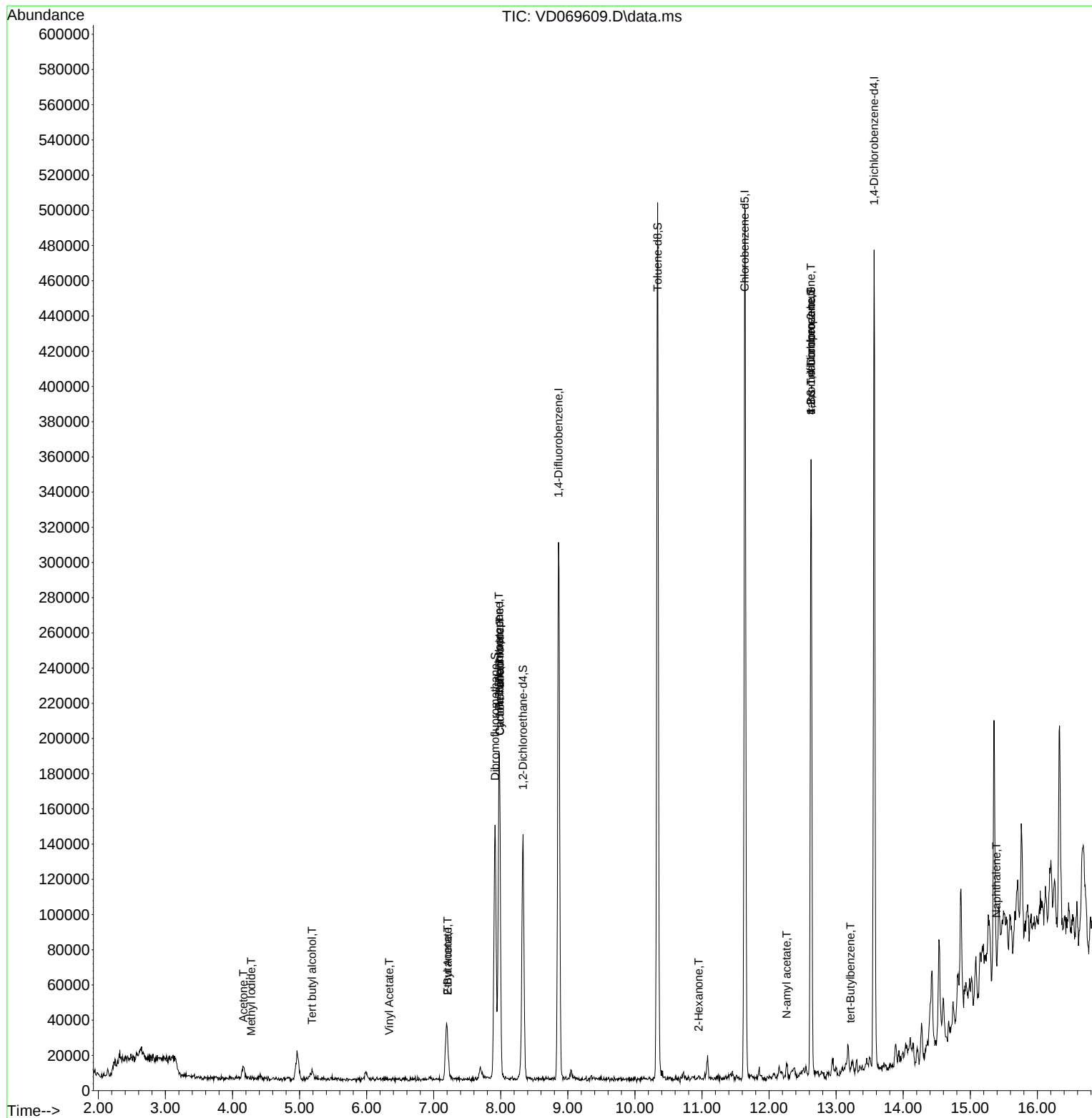
Internal Standards						
1) Pentafluorobenzene	7.979	168	131747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	258452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	286755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	118812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	110212	67.112	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.220%			
35) Dibromofluoromethane	7.914	113	104554	59.845	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.680%			
50) Toluene-d8	10.338	98	335877	51.254	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.500%			
62) 4-Bromofluorobenzene	12.626	95	118734	55.112	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.220%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	673	Below Cal	#	1
10) Methyl Iodide	4.279	142	65	3.984	ug/l #	39
11) Tert butyl alcohol	5.185	59	4681	13.097	ug/l #	83
16) Acetone	4.162	43	12926	46.764	ug/l	97
18) Methyl Acetate	4.714	43	127	Below Cal	#	49
23) Vinyl Acetate	6.338	43	85	19.044	ug/l #	70
25) 2-Butanone	7.208	43	2691	7.661	ug/l #	44
31) Cyclohexane	7.985	56	3623	1.639	ug/l #	11
36) 1,1-Dichloropropene	7.973	75	12254	4.831	ug/l #	49
37) Ethyl Acetate	7.208	43	2691	2.859	ug/l #	1
38) Carbon Tetrachloride	7.985	117	13695	5.455	ug/l #	19
59) 2-Hexanone	10.949	43	878	1.447	ug/l #	22
74) N-amyl acetate	12.261	43	2111	1.270	ug/l #	52
76) 1,2,3-Trichloropropane	12.626	75	60262	51.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	60262	129.012	ug/l #	12
83) tert-Butylbenzene	13.214	119	423	2.058	ug/l #	30
95) Naphthalene	15.390	128	5161	4.655	ug/l #	76

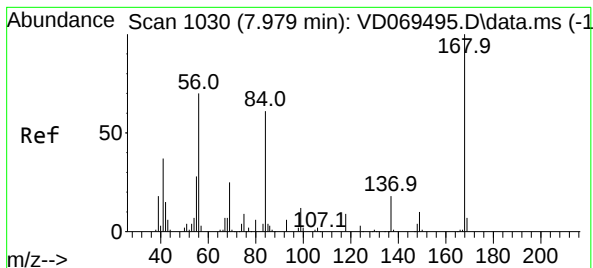
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069609.D

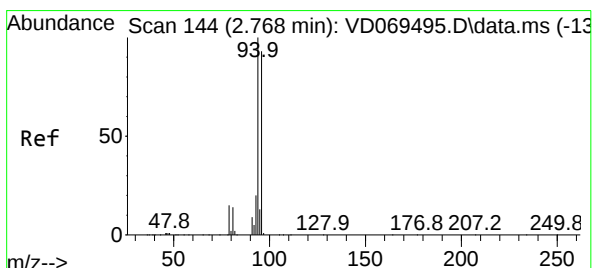
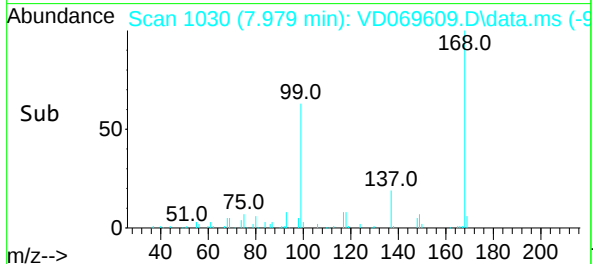
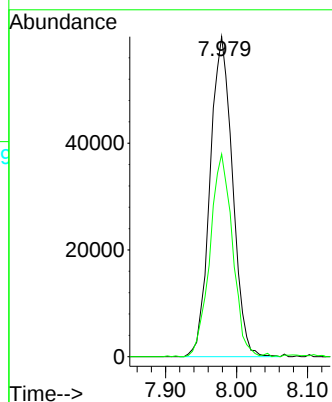
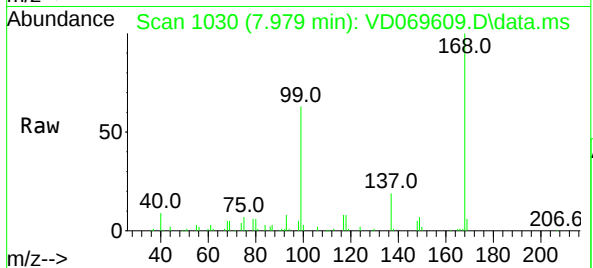
Acq: 07 Jul 2021 15:36

Tgt Ion:168 Resp: 131747

Ion Ratio Lower Upper

168 100

99 63.3 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD069609.D

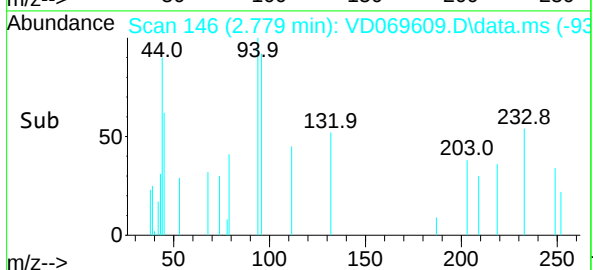
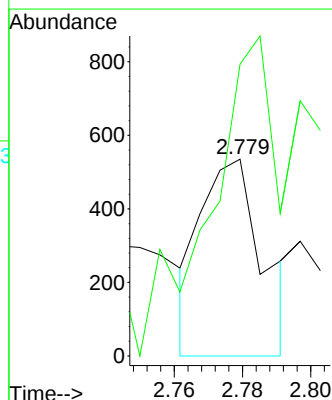
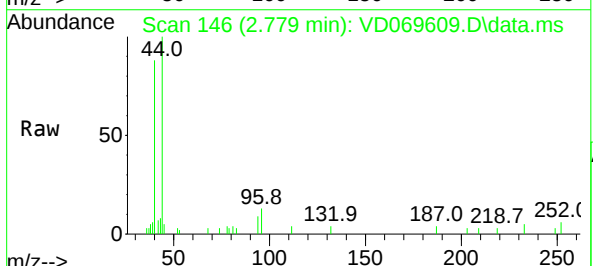
Acq: 07 Jul 2021 15:36

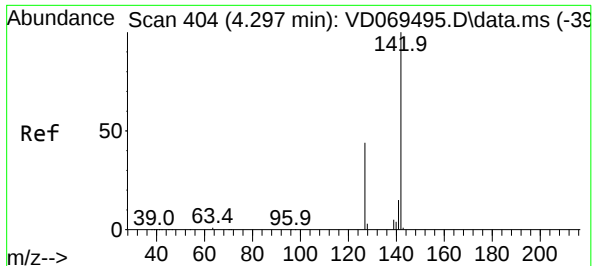
Tgt Ion: 94 Resp: 673

Ion Ratio Lower Upper

94 100

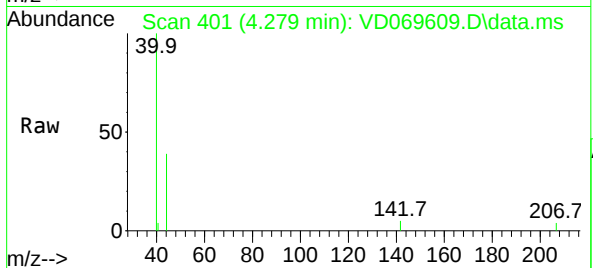
96 209.1 74.6 111.8#



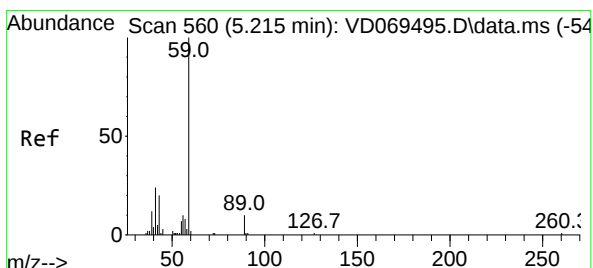
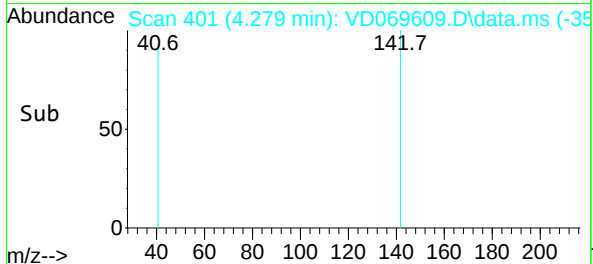
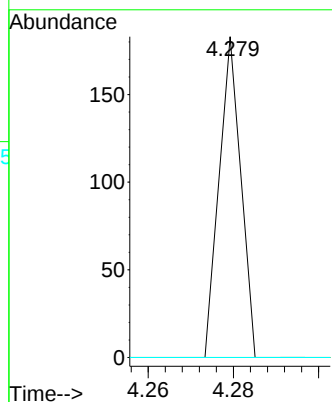


#10
Methyl Iodide
Concen: 3.984 ug/l
RT: 4.279 min Scan# 401
Delta R.T. -0.018 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

Instrument :
MSVOA_D
ClientSampled :

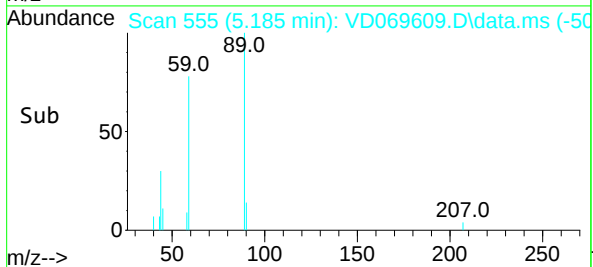
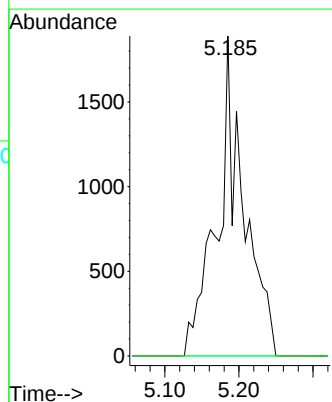
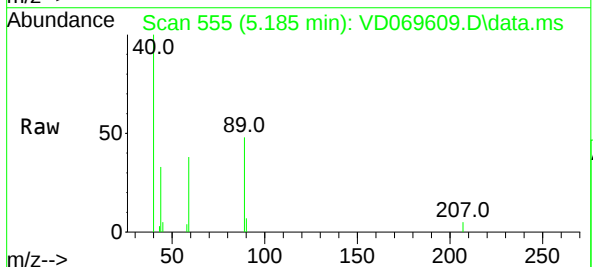


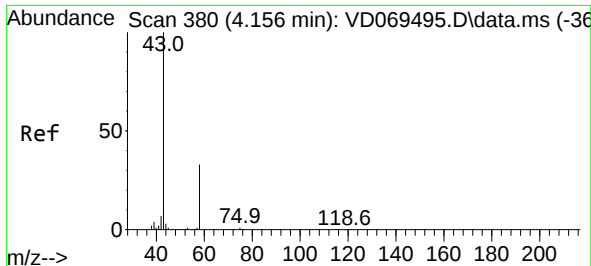
Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 13.097 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

Tgt Ion: 59 Resp: 4681
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

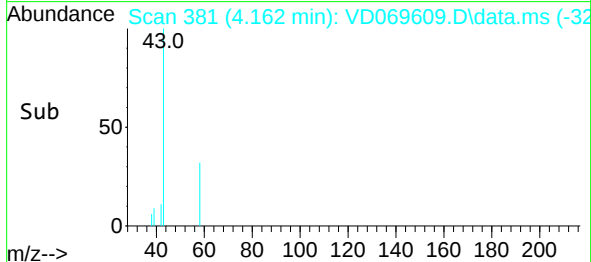
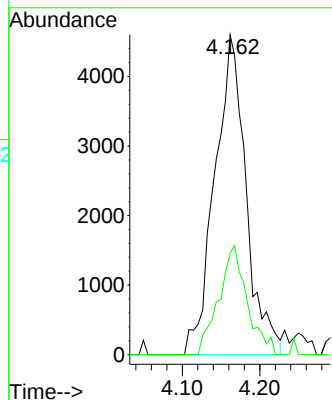
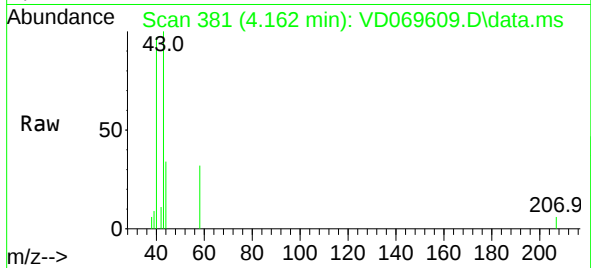




#16
Acetone
Concen: 46.764 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

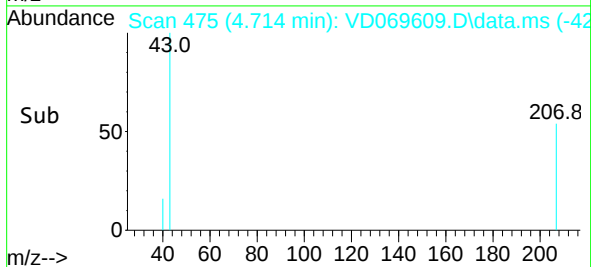
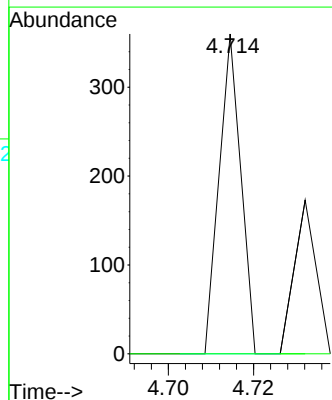
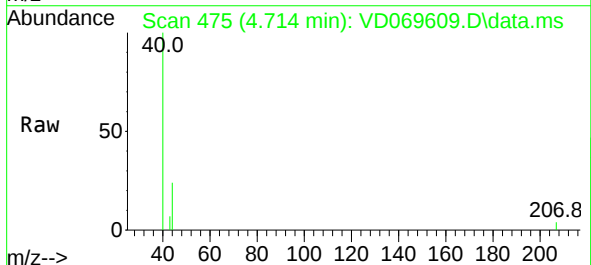
Instrument :
MSVOA_D
ClientSampled :

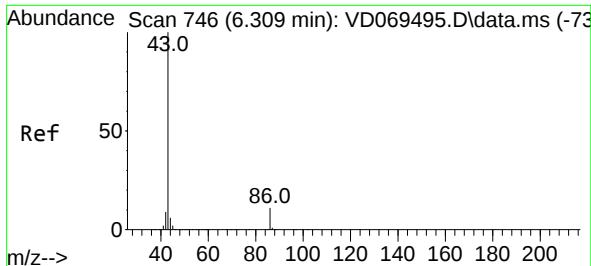
Tgt Ion: 43 Resp: 12926
Ion Ratio Lower Upper
43 100
58 31.6 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

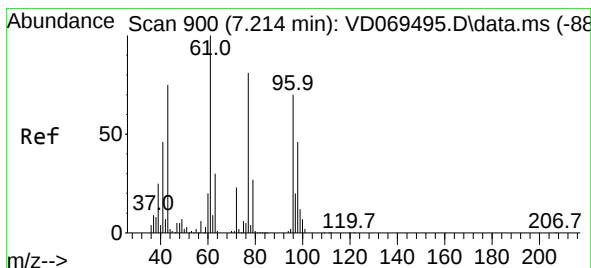
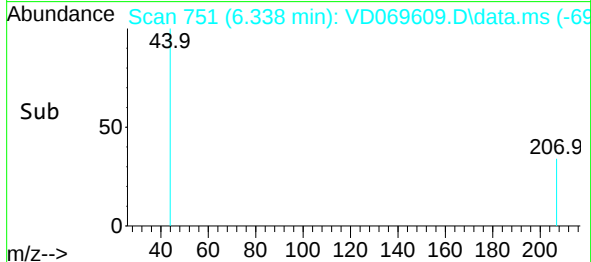
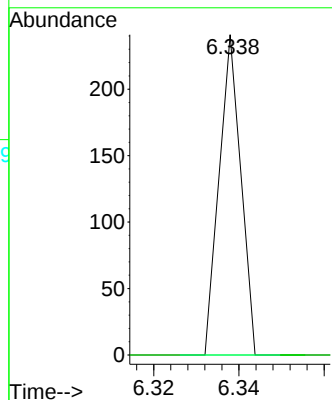
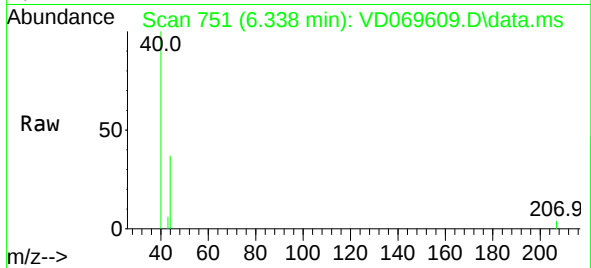




#23
 Vinyl Acetate
 Concen: 19.044 ug/l
 RT: 6.338 min Scan# 751
 Delta R.T. 0.029 min
 Lab File: VD069609.D
 Acq: 07 Jul 2021 15:36

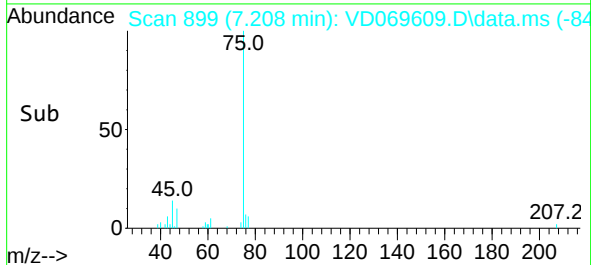
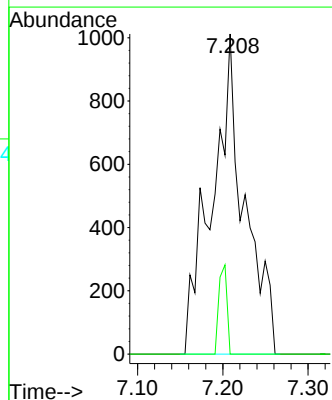
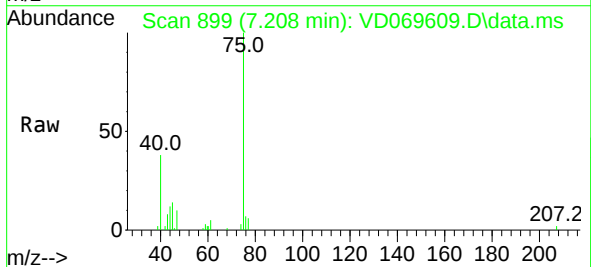
Instrument :
 MSVOA_D
 ClientSampled :

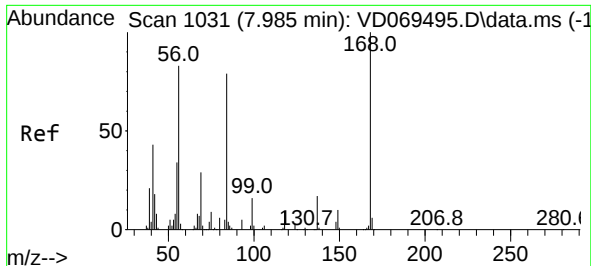
Tgt Ion: 43 Resp: 85
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 7.661 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD069609.D
 Acq: 07 Jul 2021 15:36

Tgt Ion: 43 Resp: 2691
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.3 36.5#

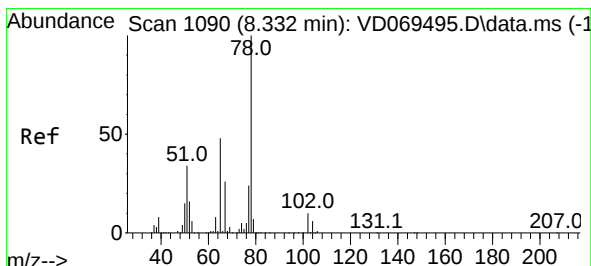
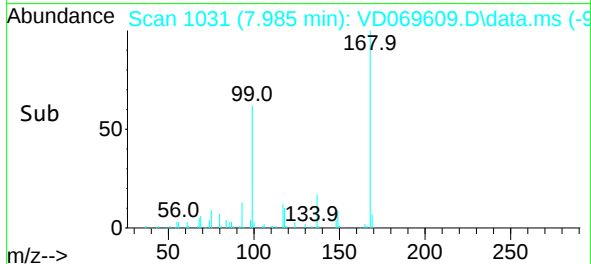
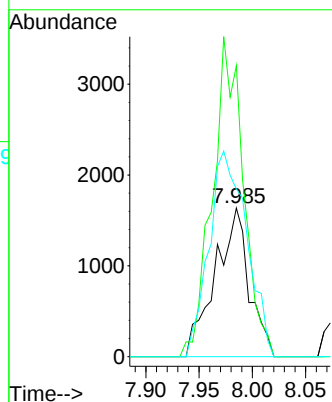
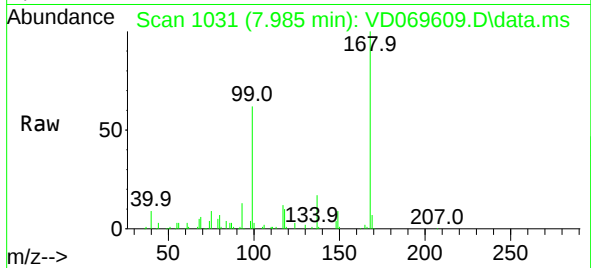




#31
Cyclohexane
Concen: 1.639 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

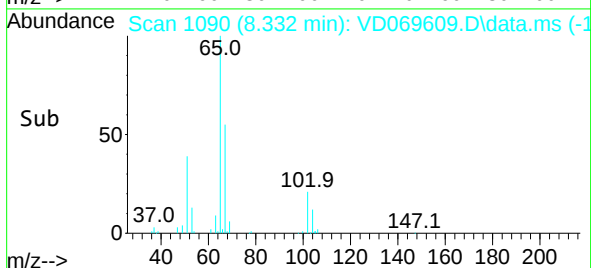
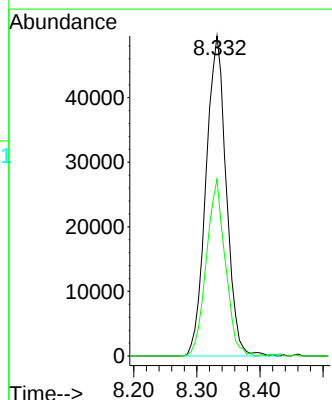
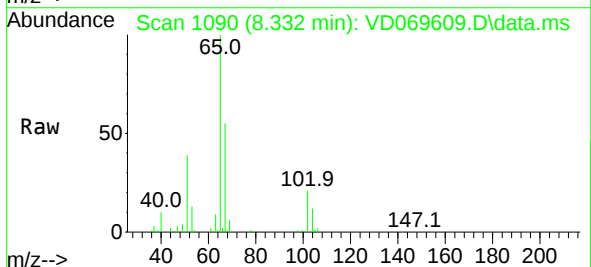
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MSVOA_D
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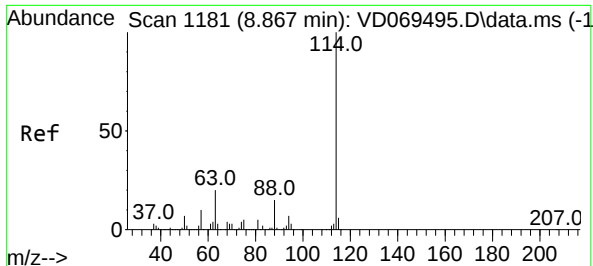
Tgt Ion: 56 Resp: 3623
Ion Ratio Lower Upper
56 100
69 195.8 28.0 42.0#
84 112.8 75.7 113.5



#33
1,2-Dichloroethane-d4
Concen: 67.112 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

Tgt Ion: 65 Resp: 110212
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6

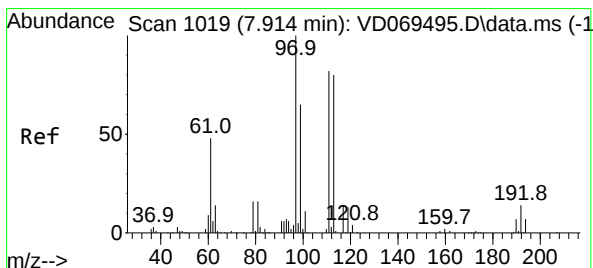
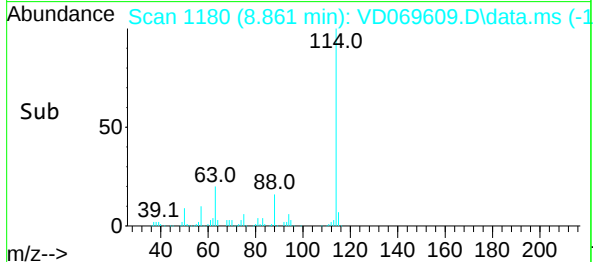
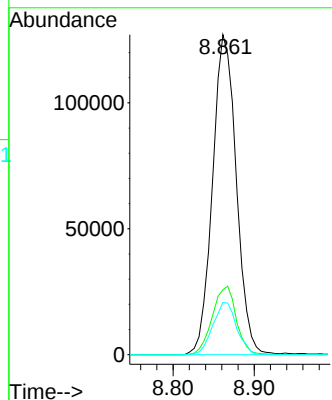
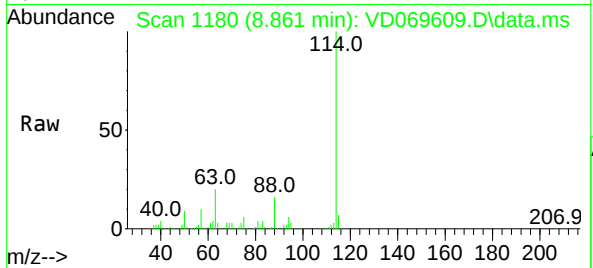




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

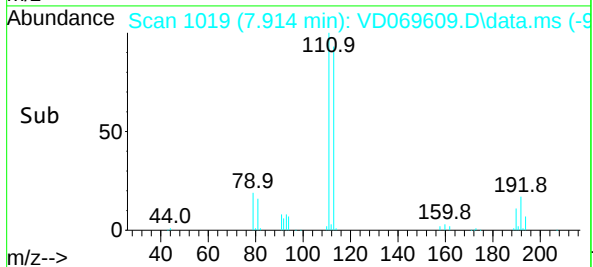
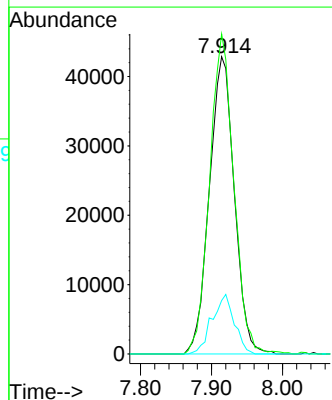
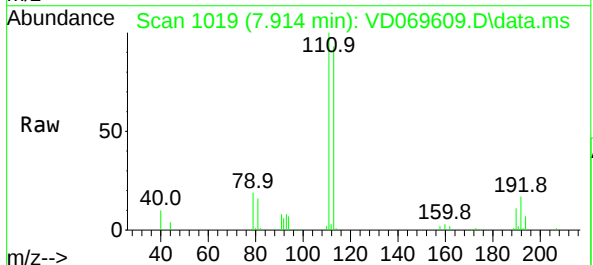
Instrument :
MSVOA_D
ClientSampled :

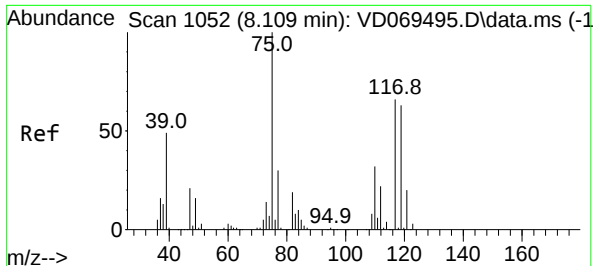
Tgt Ion:114 Resp: 258452
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.6
88 16.3 0.0 29.8



#35
Dibromofluoromethane
Concen: 59.845 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

Tgt Ion:113 Resp: 104554
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.8
192 17.9 13.8 20.6

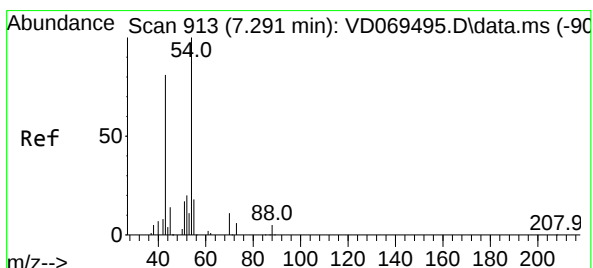
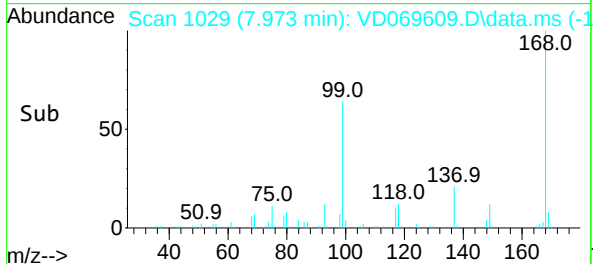
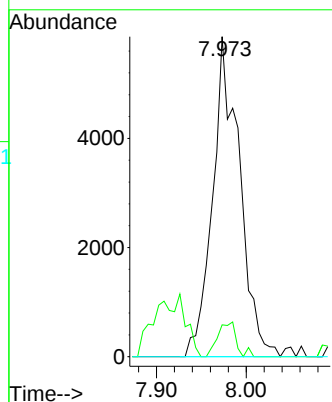
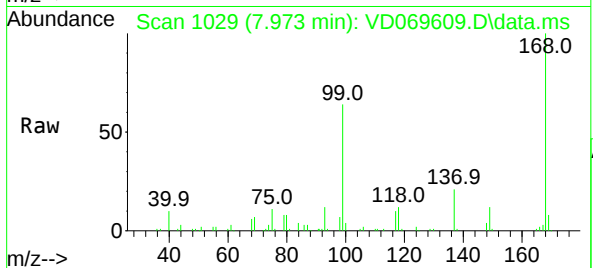




#36
1,1-Dichloropropene
Concen: 4.831 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

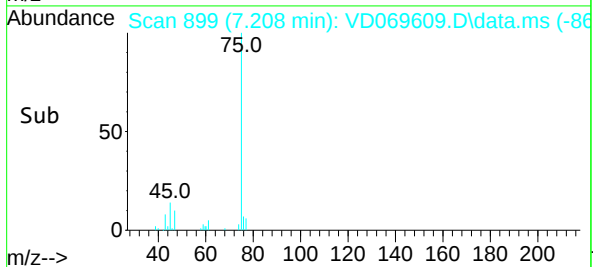
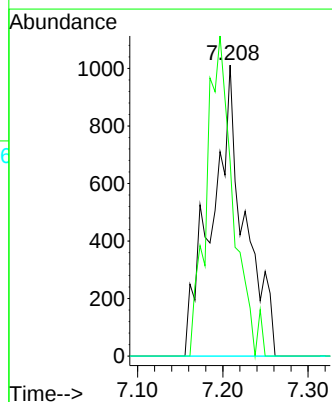
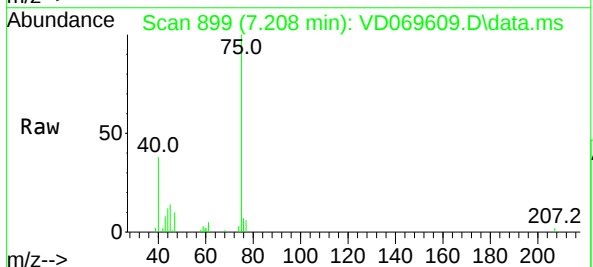
Instrument :
MSVOA_D
ClientSampled :

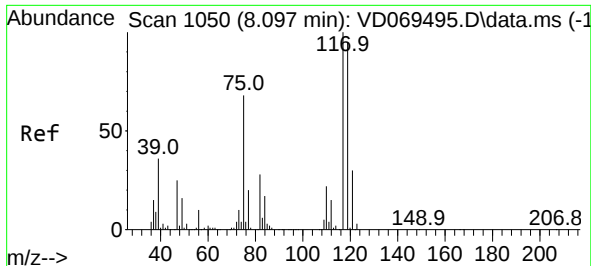
Tgt Ion: 75 Resp: 12254
Ion Ratio Lower Upper
75 100
110 7.5 16.8 50.4#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.859 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

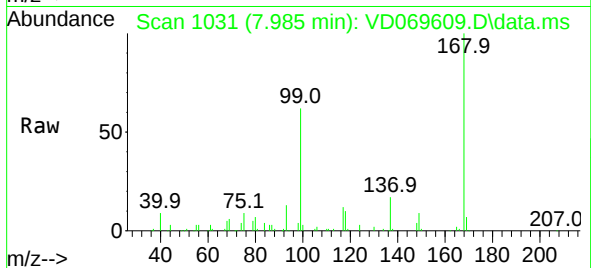
Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
61 89.7 11.4 17.0#
70 0.0 9.5 14.3#



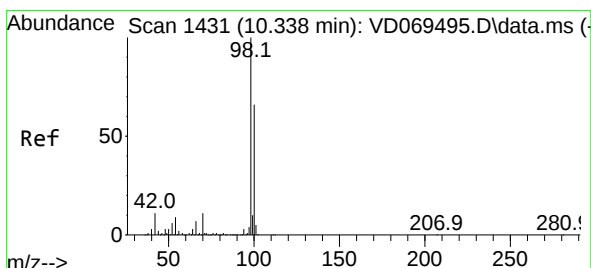
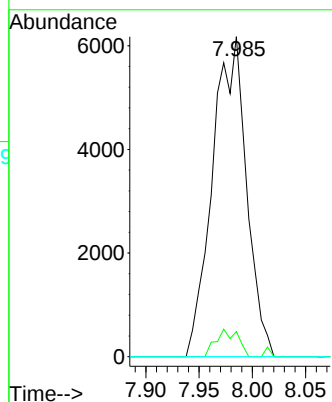
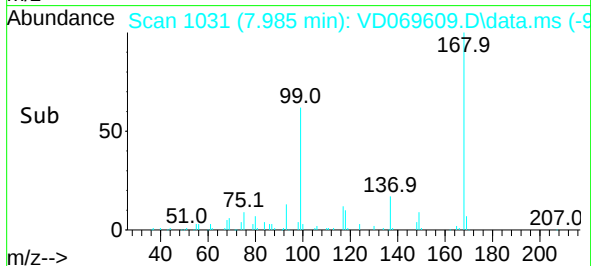


#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

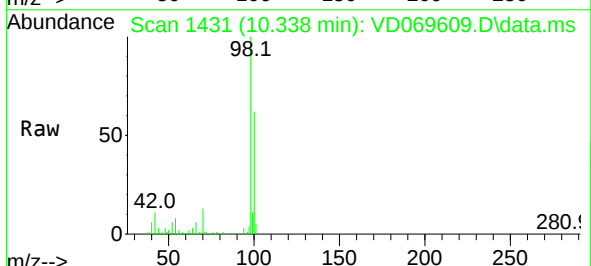
Instrument :
MSVOA_D
ClientSampled :



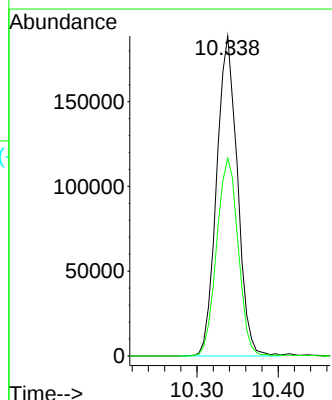
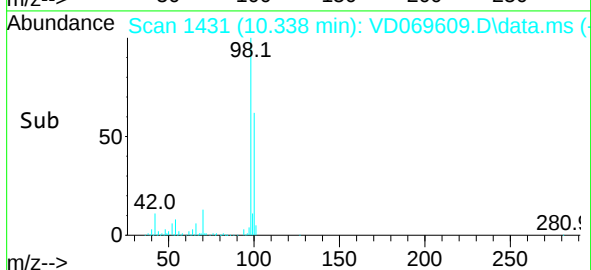
Tgt Ion:117 Resp: 13695
Ion Ratio Lower Upper
117 100
119 7.9 75.6 113.4#
121 0.0 23.8 35.8#

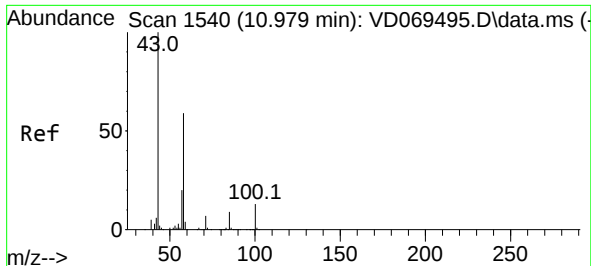


#50
Toluene-d8
Concen: 51.254 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36



Tgt Ion: 98 Resp: 335877
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5

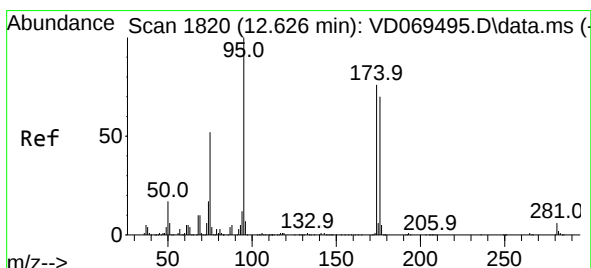
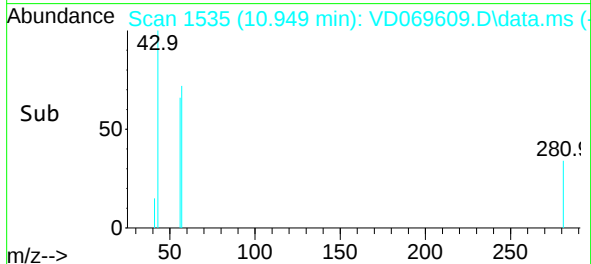
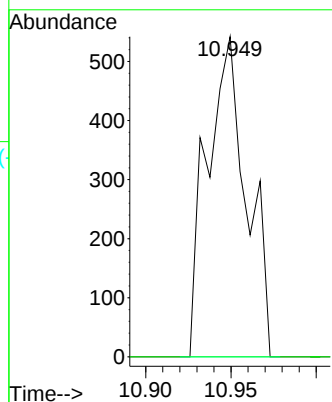
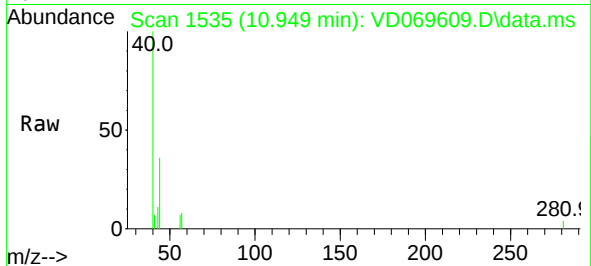




#59
2-Hexanone
Concen: 1.447 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

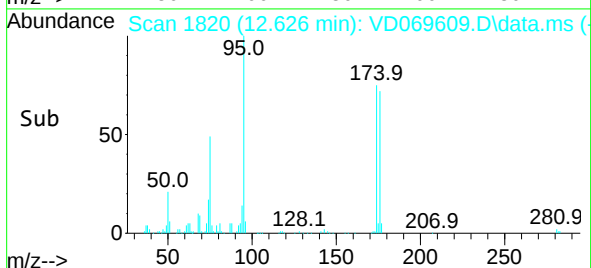
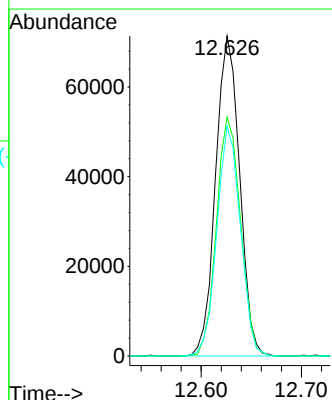
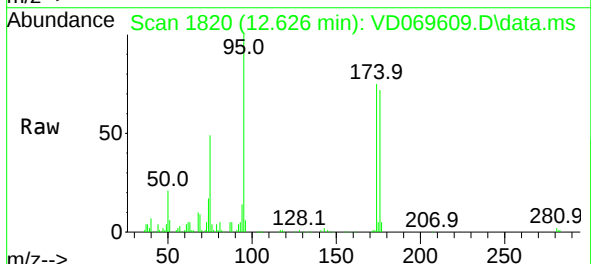
Instrument :
MSVOA_D
ClientSampled :

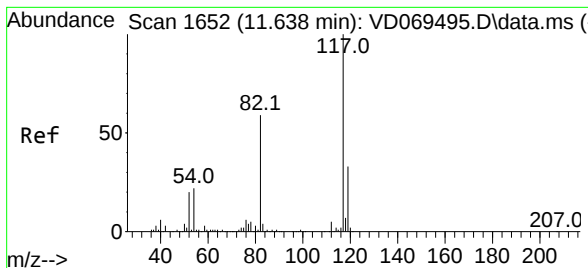
Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 55.112 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

Tgt Ion: 95 Resp: 118734
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.0
176 70.5 0.0 139.8

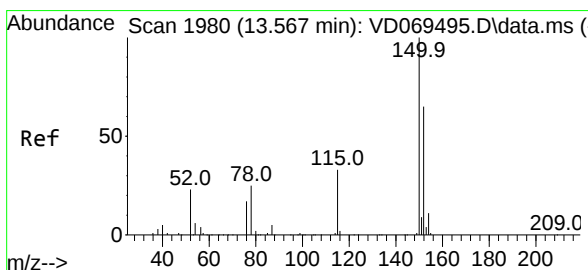
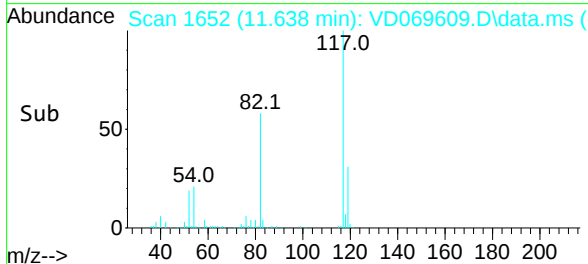
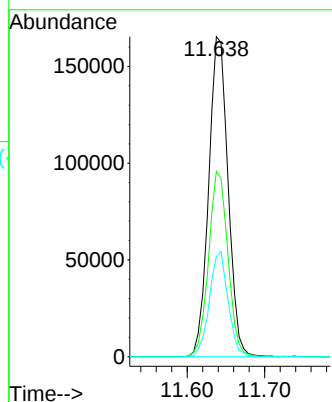
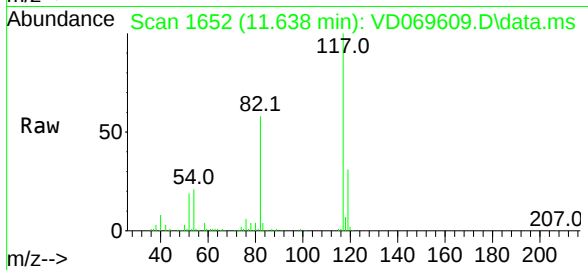




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

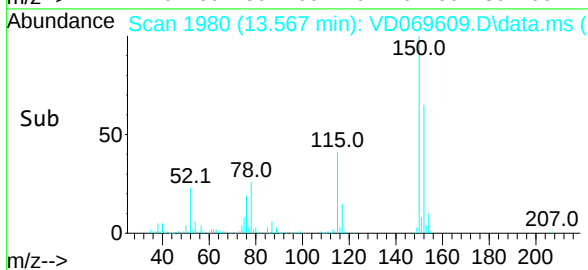
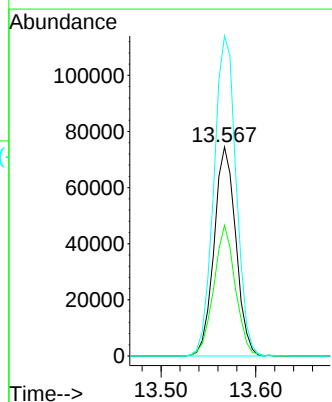
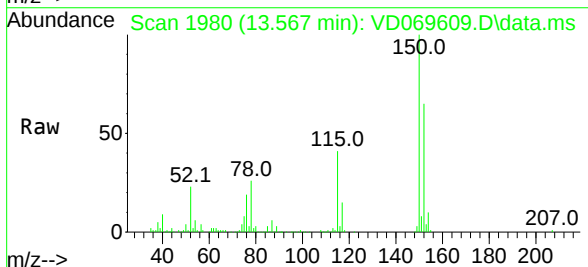
Instrument :
MSVOA_D
ClientSampled :

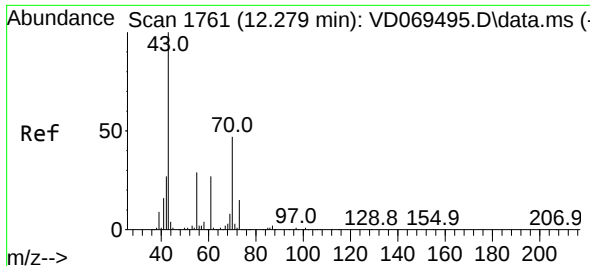
Tgt Ion:117 Resp: 286755
Ion Ratio Lower Upper
117 100
82 57.8 46.8 70.2
119 31.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

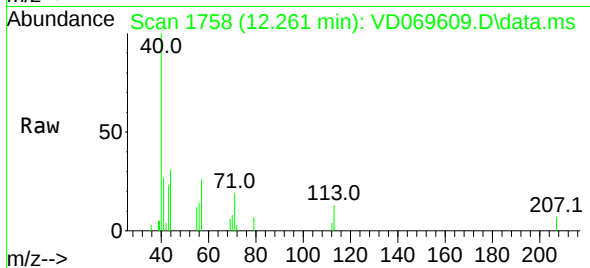
Tgt Ion:152 Resp: 118812
Ion Ratio Lower Upper
152 100
115 62.1 31.7 95.1
150 157.2 0.0 350.8



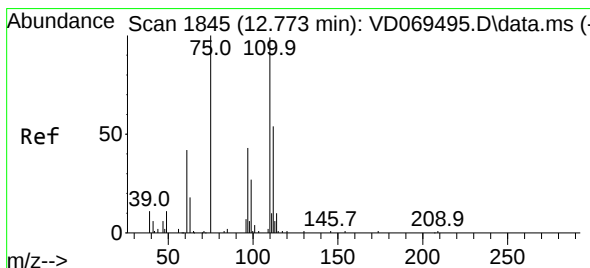
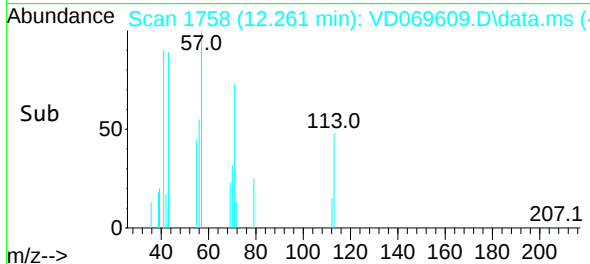
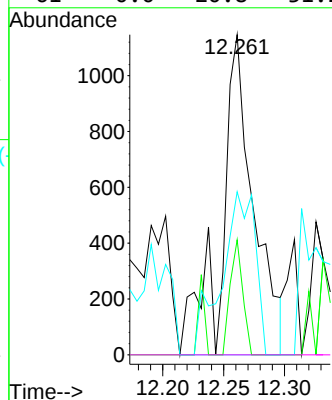


#74
N-amy1 acetate
Concen: 1.270 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

Instrument :
MSVOA_D
ClientSampleId :

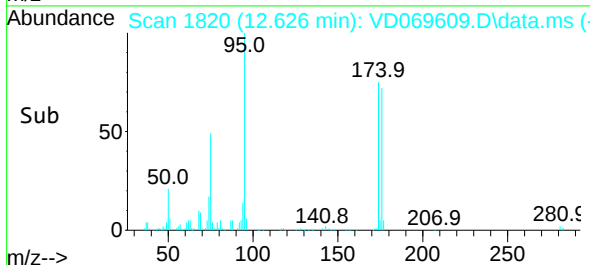
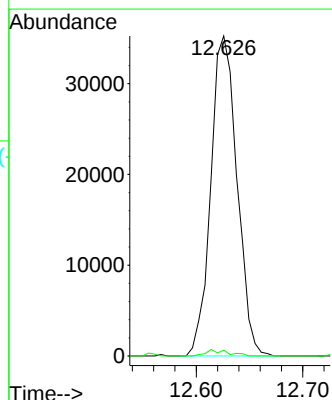
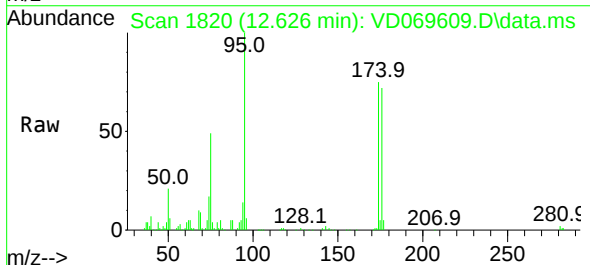


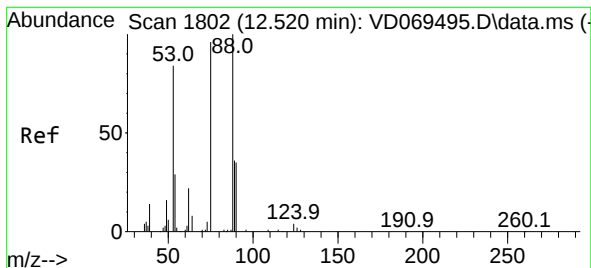
Tgt Ion:	43	Resp:	2111
Ion	Ratio	Lower	Upper
43	100		
70	14.0	38.1	57.1#
55	53.3	24.1	36.1#
61	0.0	20.8	31.2#



#76
1,2,3-Trichloropropane
Concen: 51.670 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

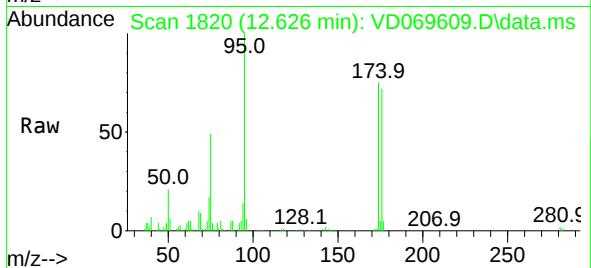
Tgt Ion:	75	Resp:	60262
Ion	Ratio	Lower	Upper
75	100		
77	1.6	162.6	487.8#



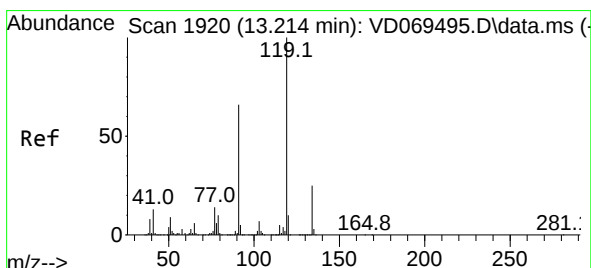
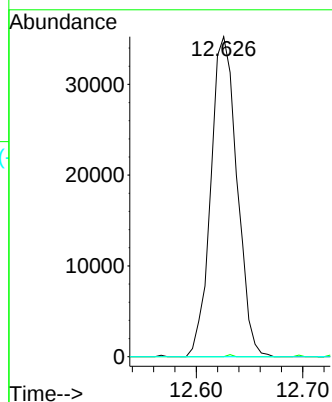
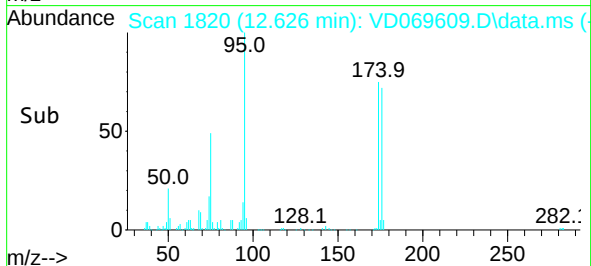


#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.012 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069609.D
 Acq: 07 Jul 2021 15:36

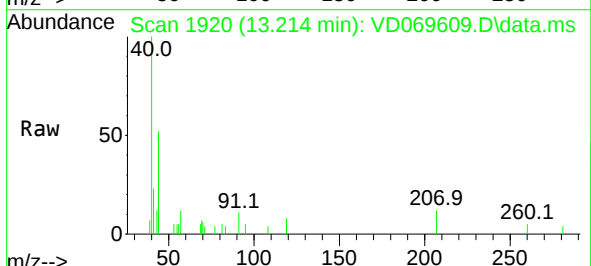
Instrument :
 MSVOA_D
 ClientSampled :



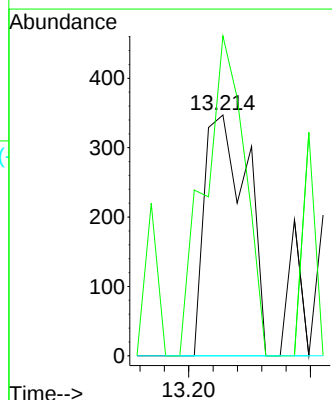
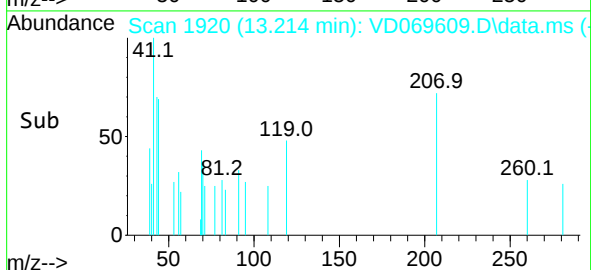
Tgt Ion: 75 Resp: 60262
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.6 112.0#
 89 0.0 35.3 52.9#

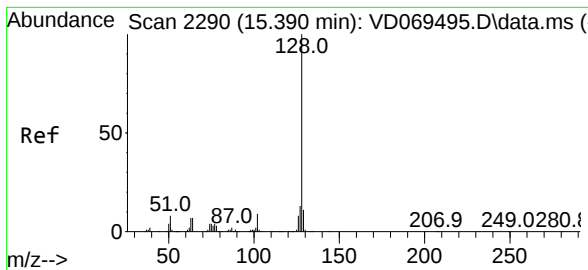


#83
 tert-Butylbenzene
 Concen: 2.058 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: VD069609.D
 Acq: 07 Jul 2021 15:36



Tgt Ion: 119 Resp: 423
 Ion Ratio Lower Upper
 119 100
 91 125.8 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 4.655 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069609.D
Acq: 07 Jul 2021 15:36

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	15.9	8.7	13.1#

