

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069549.D
 Acq On : 23 Jun 2021 17:10
 Operator : VA/SY
 Sample : M2815-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:10:11 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)

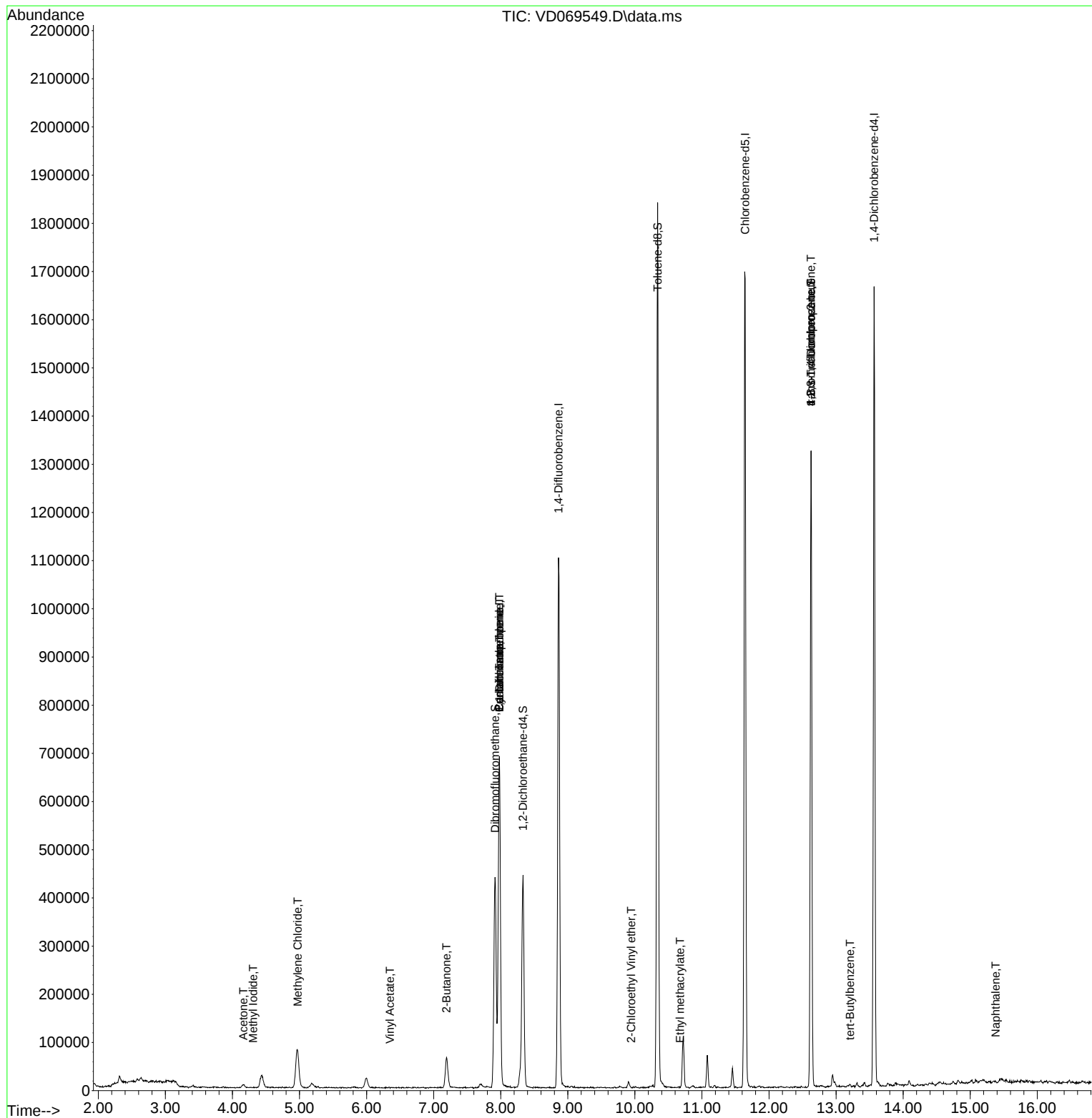
Internal Standards						
1) Pentafluorobenzene	7.979	168	481790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	929453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	979701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	419289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	354170	58.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.940%			
35) Dibromofluoromethane	7.914	113	332435	52.911	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.820%			
50) Toluene-d8	10.338	98	1220297	51.780	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.626	95	429109	55.385	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.780%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	968	Below Cal	#	51
10) Methyl Iodide	4.309	142	73	3.954	ug/l #	39
11) Tert butyl alcohol	5.185	59	5226	Below Cal	#	83
16) Acetone	4.162	43	12652	12.517	ug/l	99
18) Methyl Acetate	4.703	43	602	Below Cal	#	49
20) Methylene Chloride	4.973	84	65906	4.428	ug/l	97
23) Vinyl Acetate	6.350	43	179	19.030	ug/l #	70
25) 2-Butanone	7.191	43	3825	2.978	ug/l #	80
31) Cyclohexane	7.979	56	11728	1.450	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	44634	4.893	ug/l #	51
38) Carbon Tetrachloride	7.979	117	52292	5.792	ug/l #	17
56) Ethyl methacrylate	10.673	69	167	2.608	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.944	63	86	10.627	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	221922	53.919	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	221922	134.628	ug/l #	12
83) tert-Butylbenzene	13.208	119	234	2.003	ug/l #	18
95) Naphthalene	15.379	128	1692	3.475	ug/l #	79

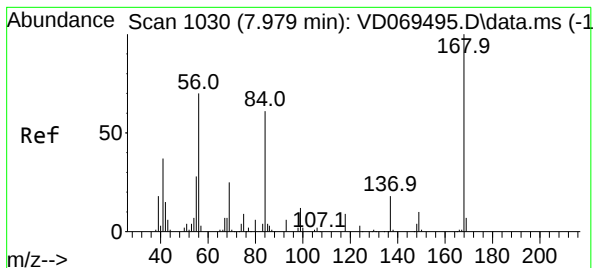
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069549.D

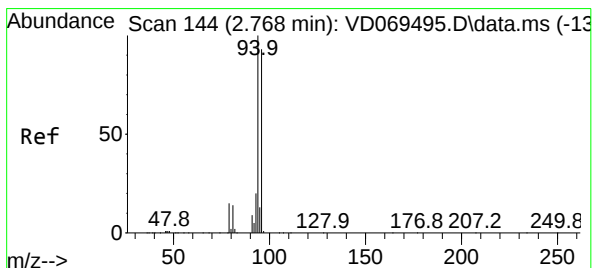
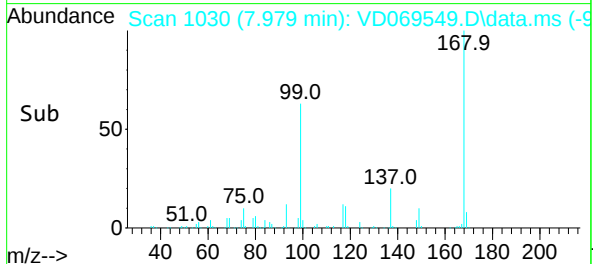
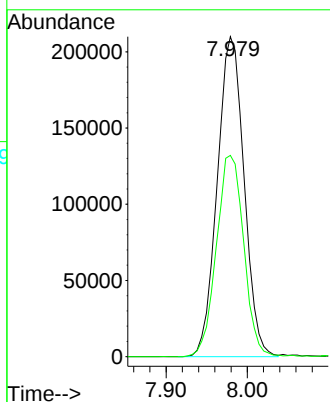
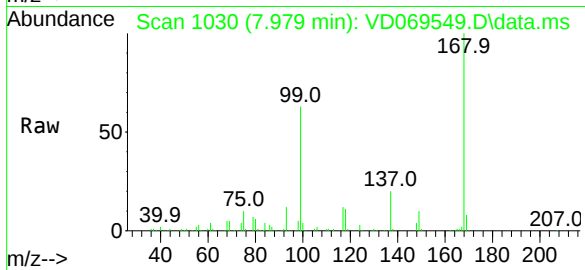
Acq: 23 Jun 2021 17:10

Tgt Ion:168 Resp: 481790

Ion Ratio Lower Upper

168 100

99 62.9 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.017 min

Lab File: VD069549.D

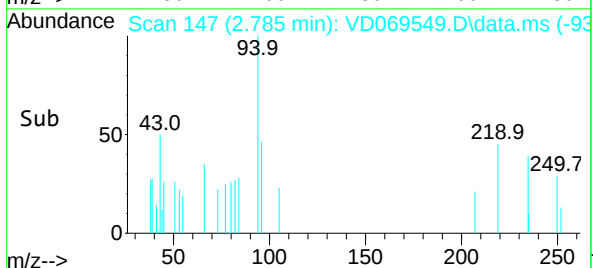
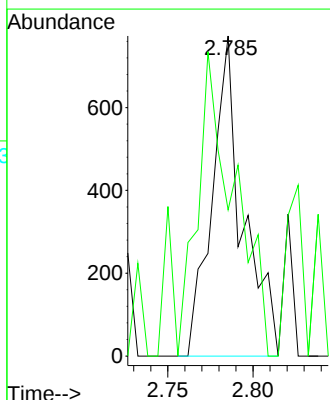
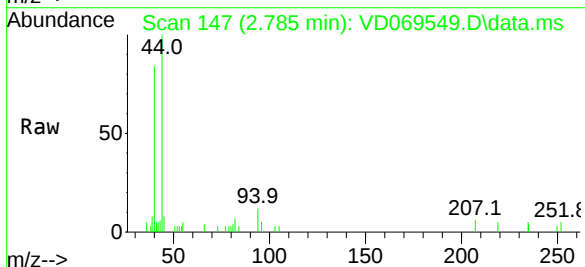
Acq: 23 Jun 2021 17:10

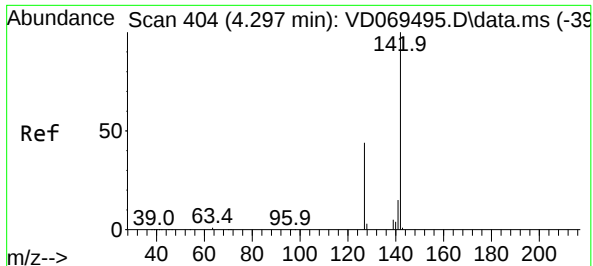
Tgt Ion: 94 Resp: 968

Ion Ratio Lower Upper

94 100

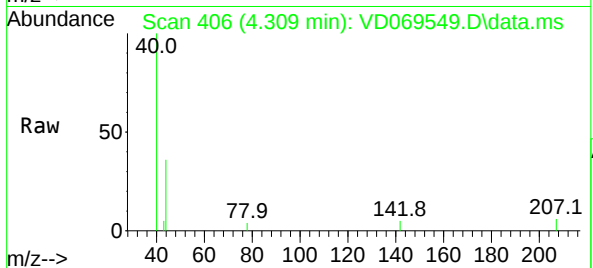
96 45.7 74.6 111.8#



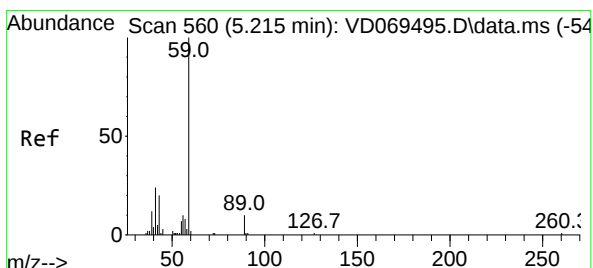
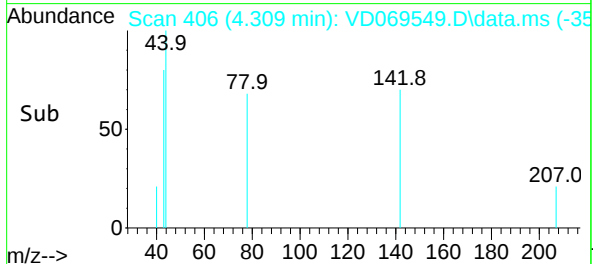
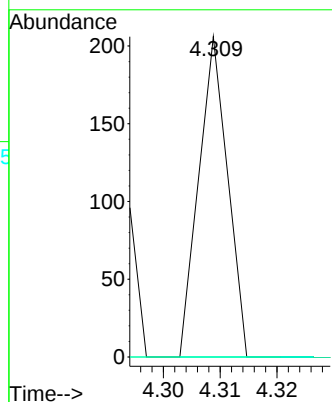


#10
Methyl Iodide
Concen: 3.954 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

Instrument :
MSVOA_D
ClientSampleId :

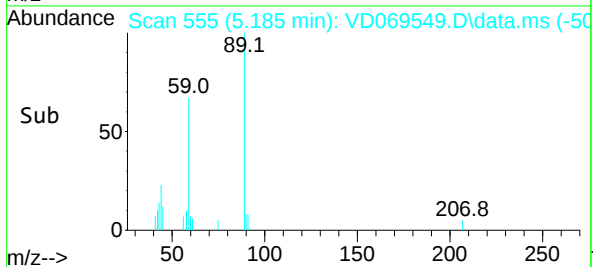
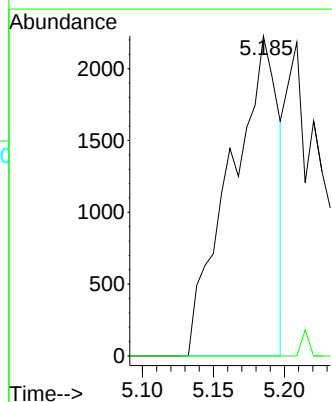
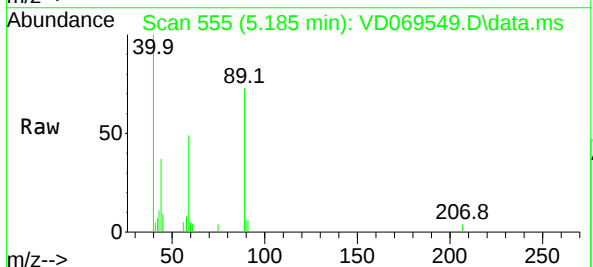


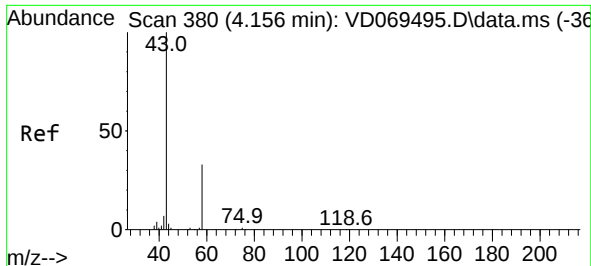
Tgt Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

Tgt Ion: 59 Resp: 5226
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

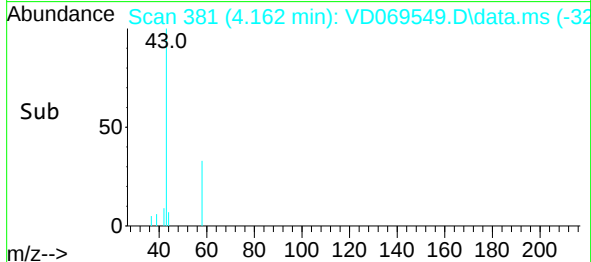
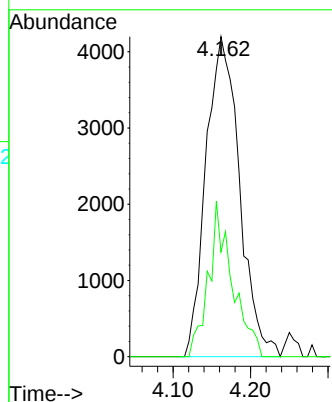
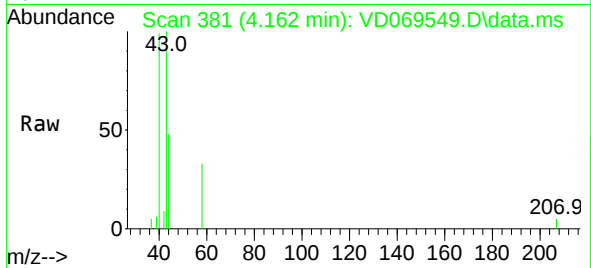




#16
Acetone
Concen: 12.517 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

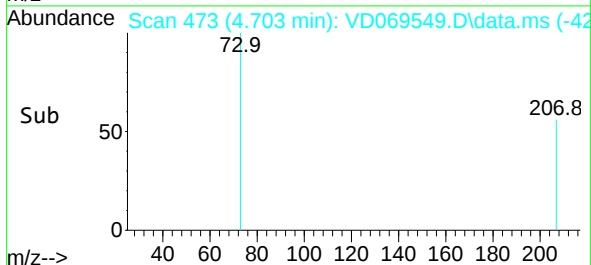
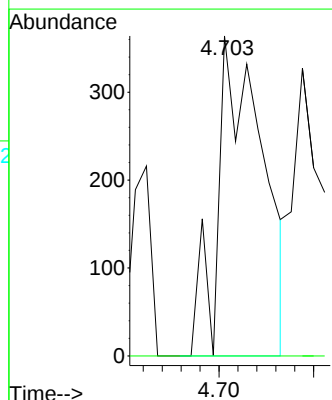
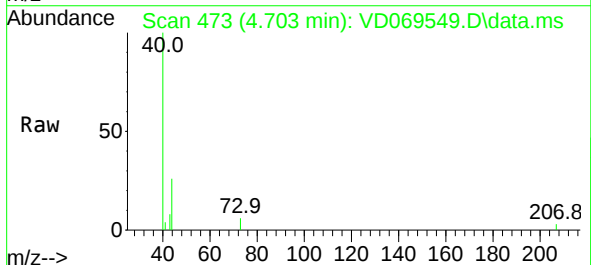
Instrument :
MSVOA_D
ClientSampleId :

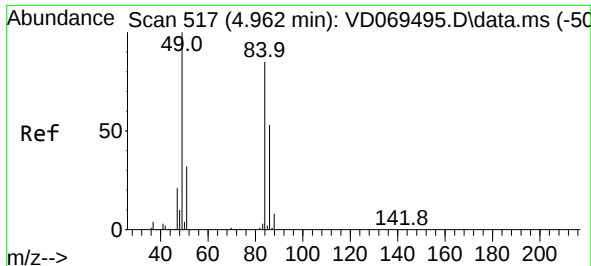
Tgt Ion: 43 Resp: 12652
Ion Ratio Lower Upper
43 100
58 32.8 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.017 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

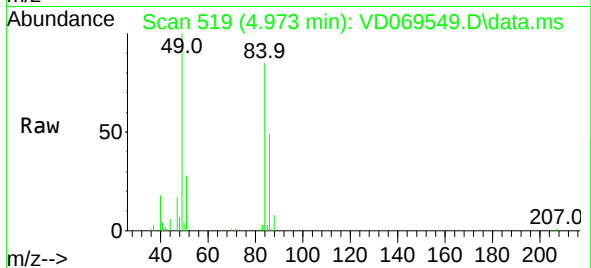
Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



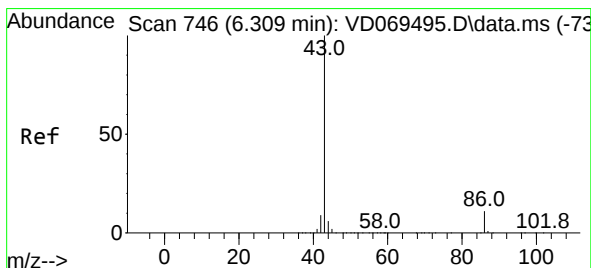
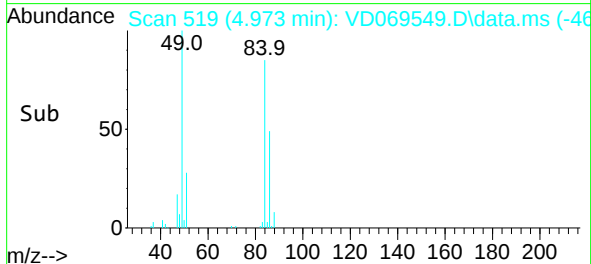
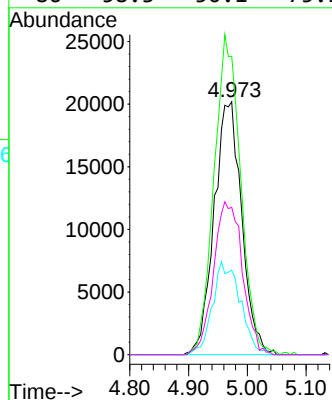


#20
Methylene Chloride
Concen: 4.428 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

Instrument :
MSVOA_D
ClientSampleId :

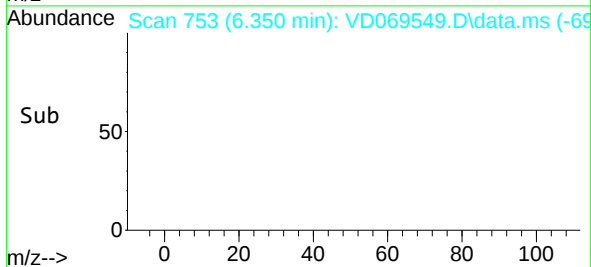
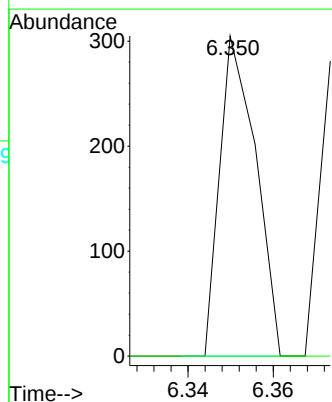
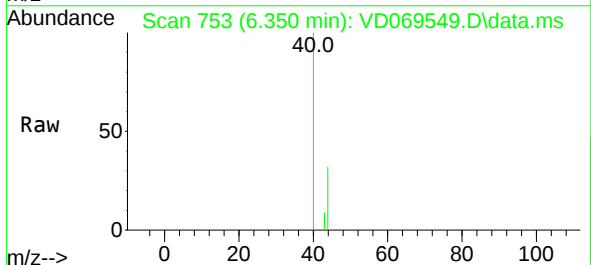


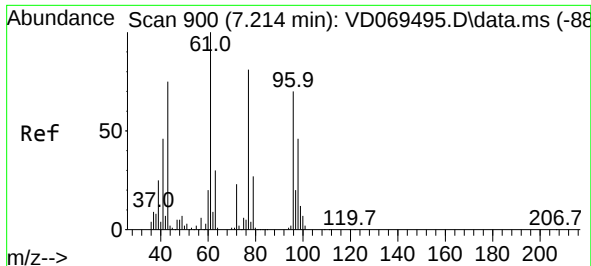
Tgt Ion:	84	Resp:	65906
Ion	Ratio	Lower	Upper
84	100		
49	117.9	94.0	141.0
51	33.4	29.7	44.5
86	58.3	50.1	75.1



#23
Vinyl Acetate
Concen: 19.030 ug/l
RT: 6.350 min Scan# 753
Delta R.T. 0.041 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

Tgt Ion:	43	Resp:	179
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

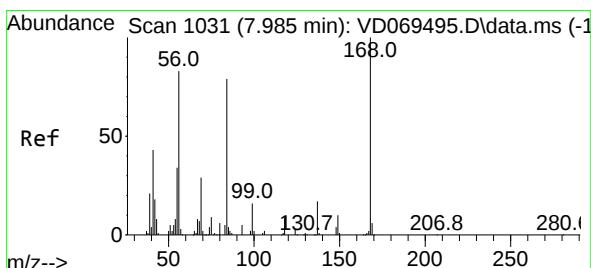
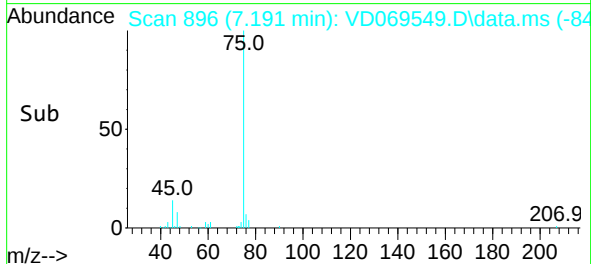
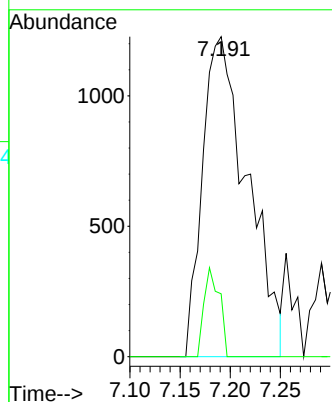
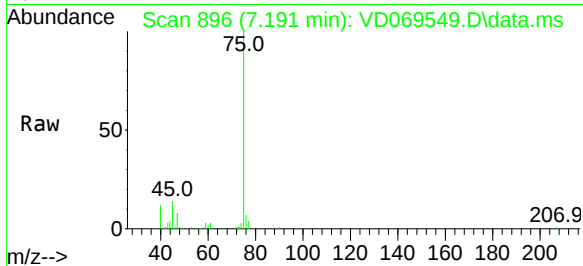




#25
2-Butanone
Concen: 2.978 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.023 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

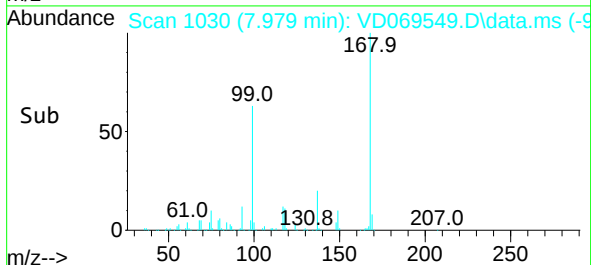
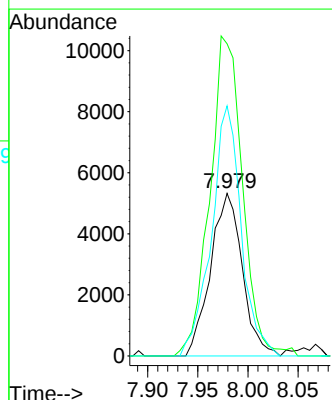
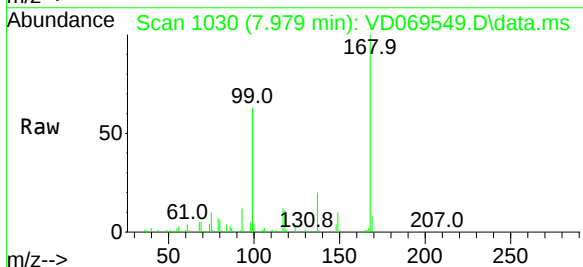
Instrument :
MSVOA_D
ClientSampleId :

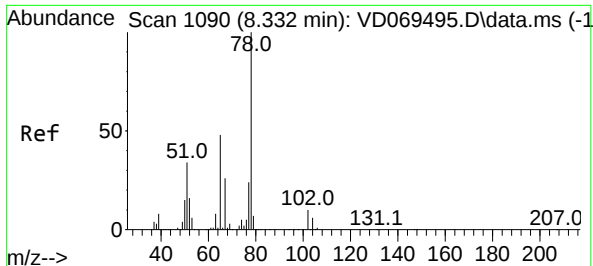
Tgt Ion: 43 Resp: 3825
Ion Ratio Lower Upper
43 100
72 19.6 24.3 36.5#



#31
Cyclohexane
Concen: 1.450 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

Tgt Ion: 56 Resp: 11728
Ion Ratio Lower Upper
56 100
69 188.7 28.0 42.0#
84 153.8 75.7 113.5#

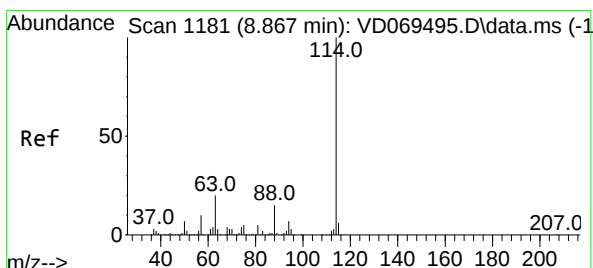
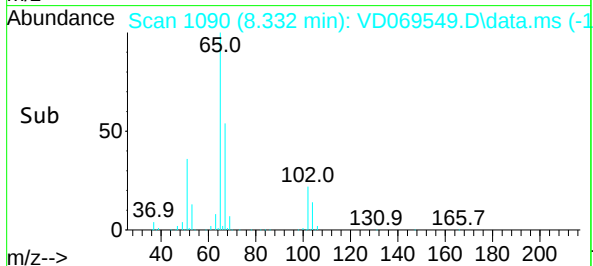
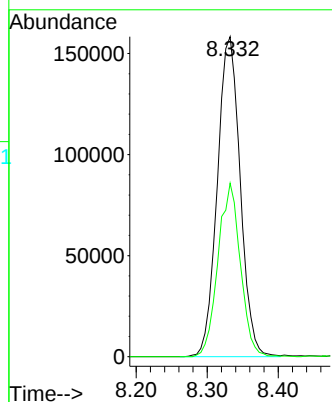
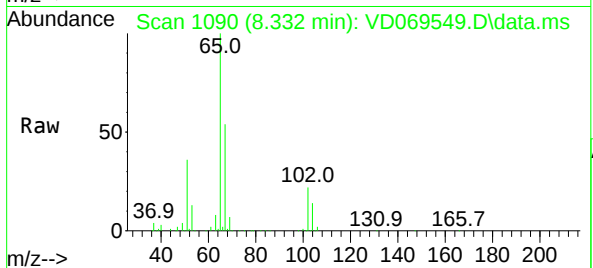




#33
1,2-Dichloroethane-d4
Concen: 58.975 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

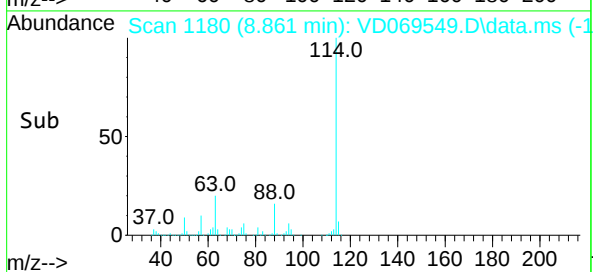
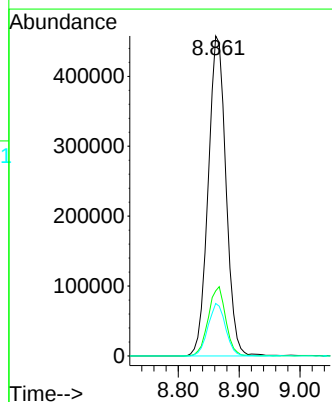
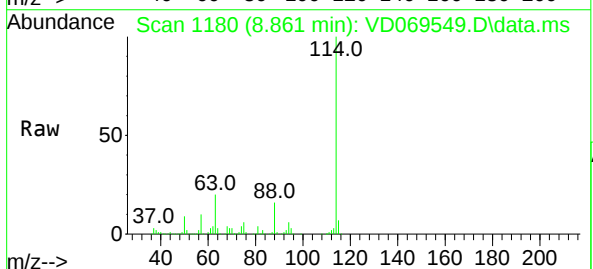
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MSVOA_D
ClientSampleId :

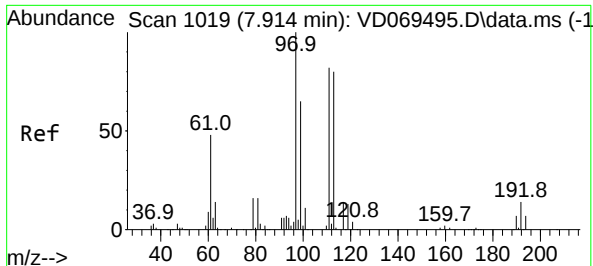
Tgt Ion: 65 Resp: 354170
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

Tgt Ion: 114 Resp: 929453
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.6
88 16.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.911 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069549.D

Acq: 23 Jun 2021 17:10

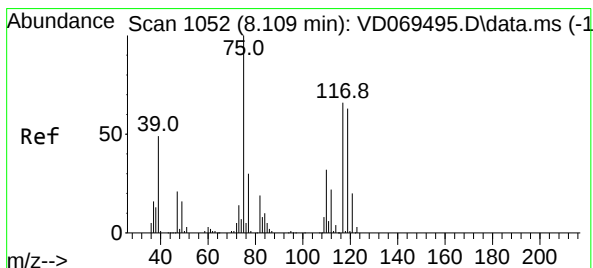
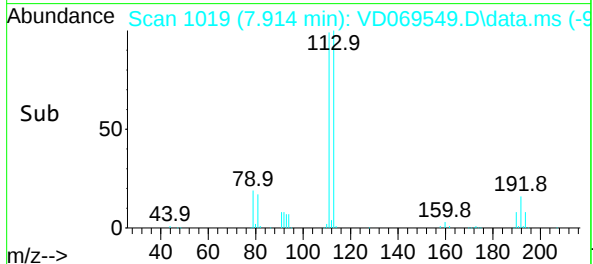
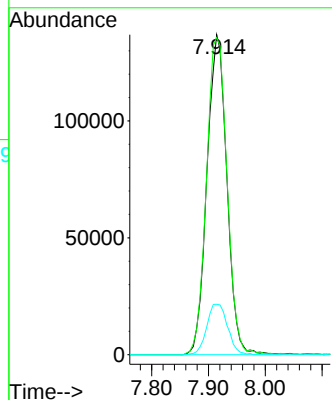
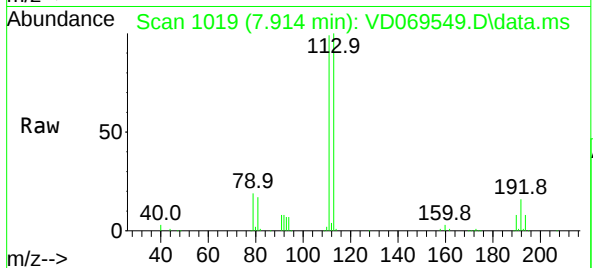
Tgt Ion:113 Resp: 332435

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 16.5 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069549.D

Acq: 23 Jun 2021 17:10

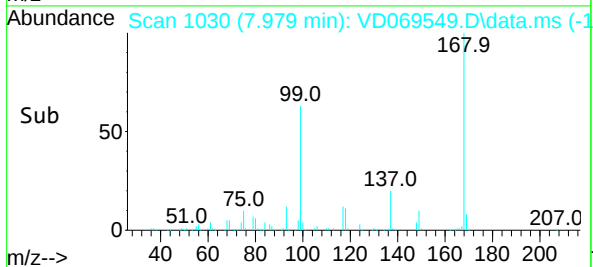
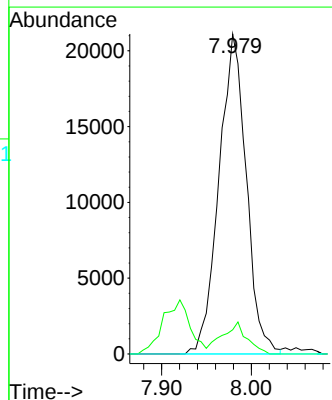
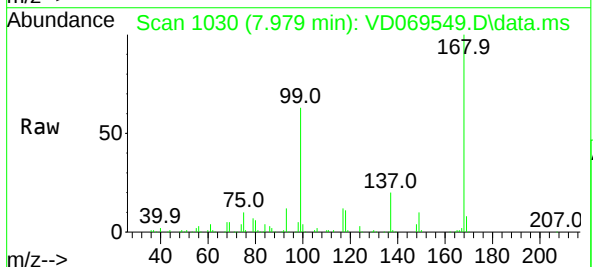
Tgt Ion: 75 Resp: 44634

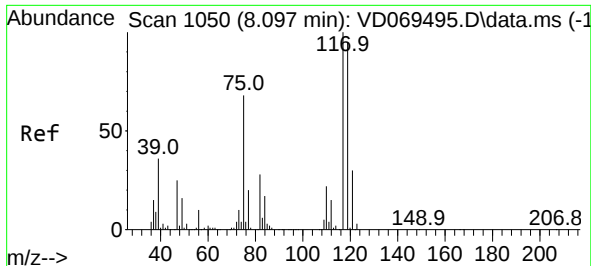
Ion Ratio Lower Upper

75 100

110 9.0 16.8 50.4#

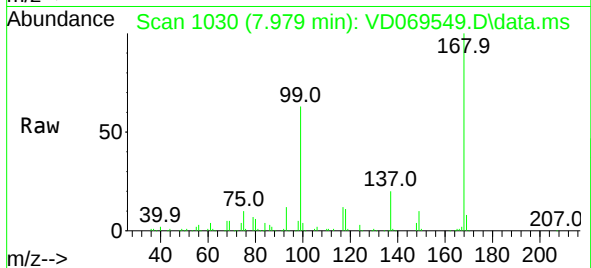
77 0.0 24.3 36.5#



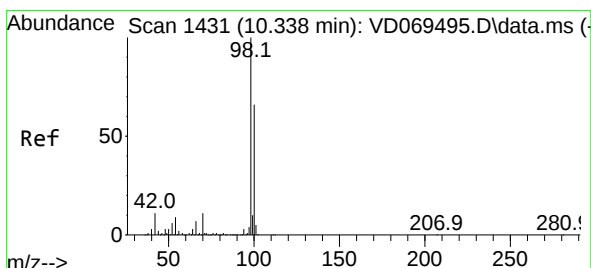
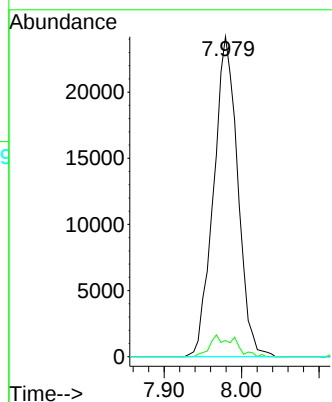
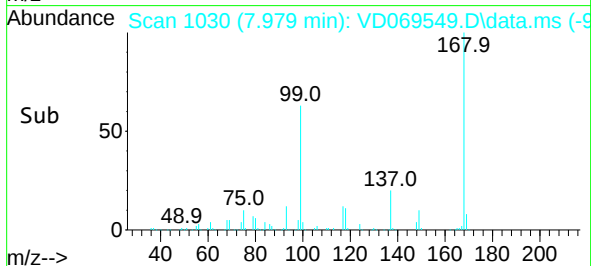


#38
Carbon Tetrachloride
Concen: 5.792 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

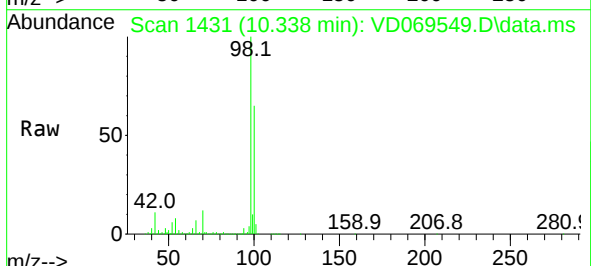
Instrument :
MSVOA_D
ClientSampleId :



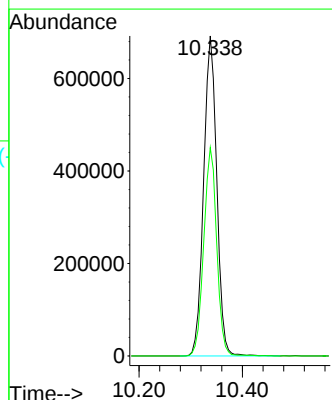
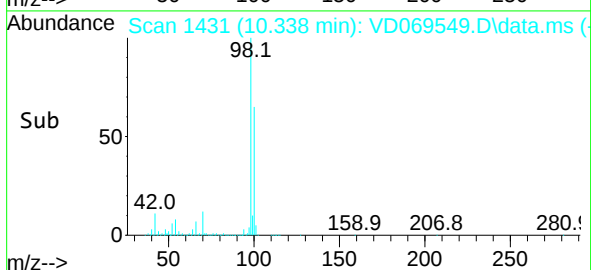
Tgt Ion:117 Resp: 52292
Ion Ratio Lower Upper
117 100
119 5.0 75.6 113.4#
121 0.0 23.8 35.8#

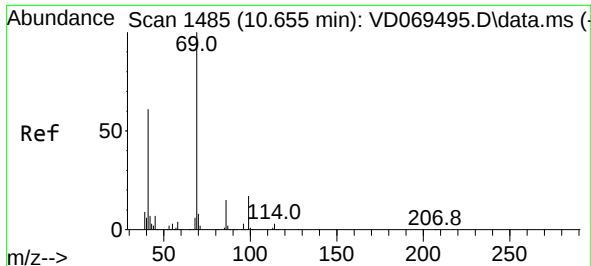


#50
Toluene-d8
Concen: 51.780 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10



Tgt Ion: 98 Resp: 1220297
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5

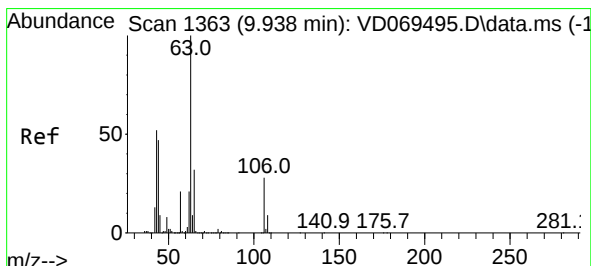
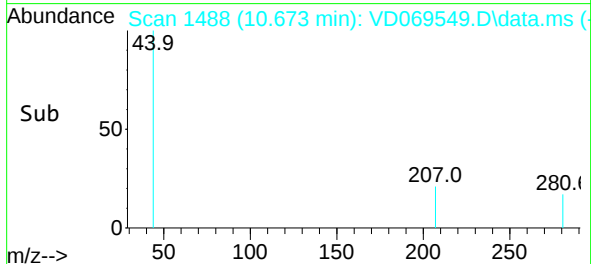
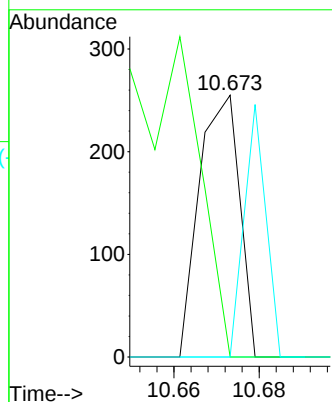
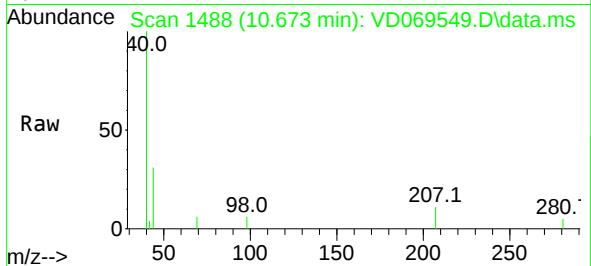




#56
Ethyl methacrylate
Concen: 2.608 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

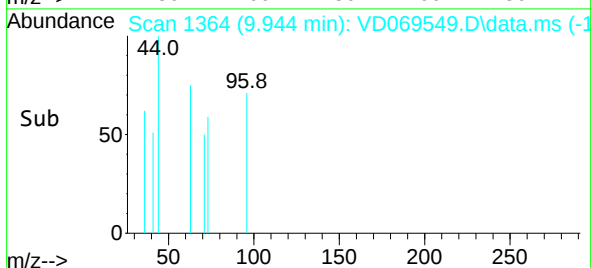
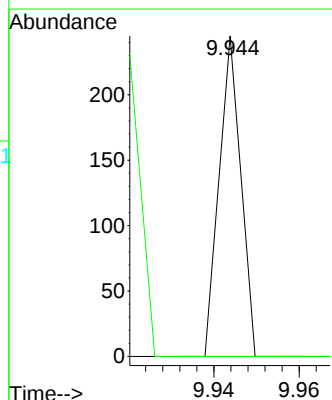
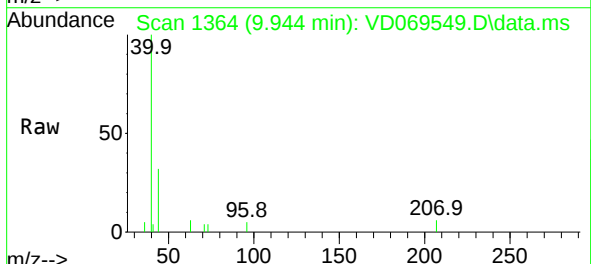
Instrument :
MSVOA_D
ClientSampleId :

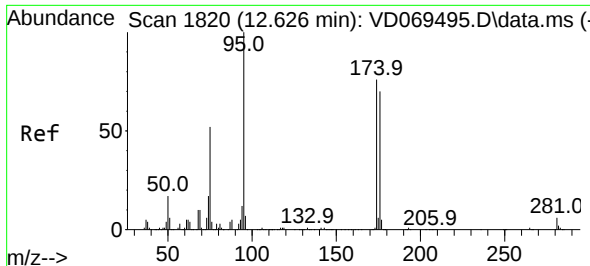
Tgt Ion: 69 Resp: 167
Ion Ratio Lower Upper
69 100
41 240.7 49.4 74.0#
39 52.1 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.627 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

Tgt Ion: 63 Resp: 86
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

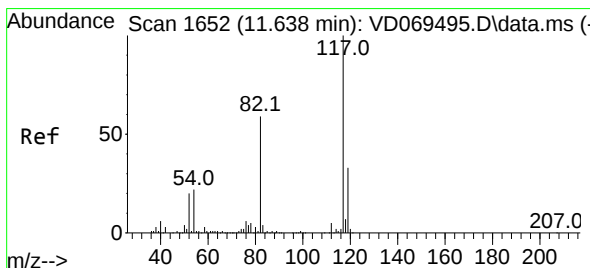
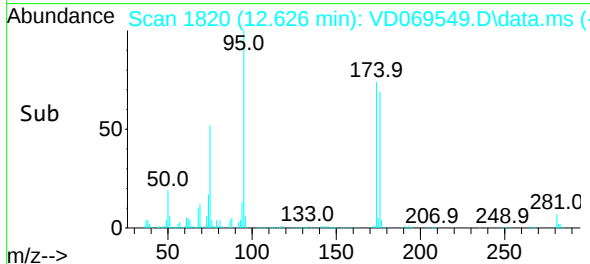
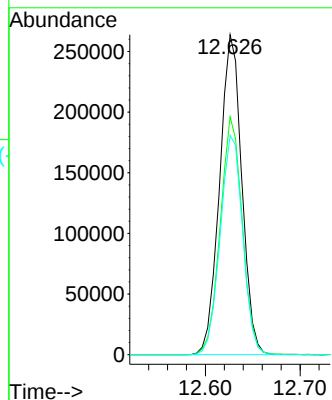
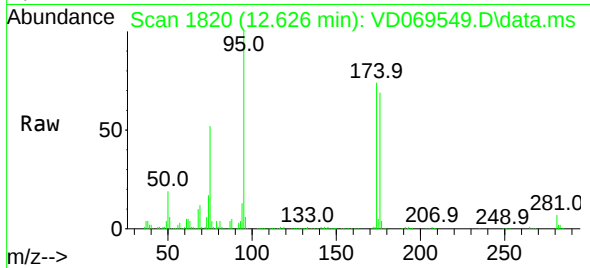




#62
4-Bromofluorobenzene
Concen: 55.385 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

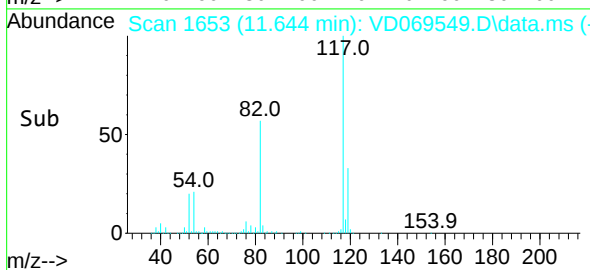
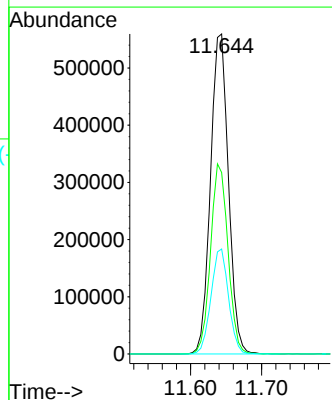
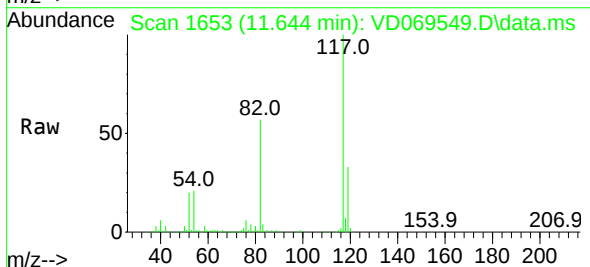
Instrument :
MSVOA_D
ClientSampleId :

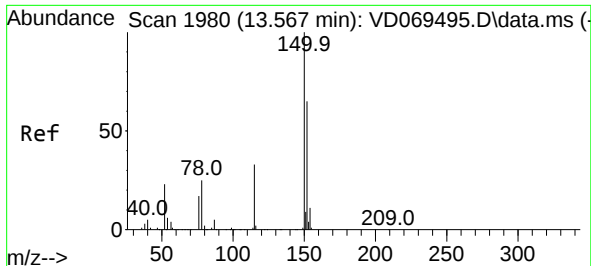
Tgt Ion: 95 Resp: 429109
Ion Ratio Lower Upper
95 100
174 73.8 0.0 148.0
176 69.5 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

Tgt Ion: 117 Resp: 979701
Ion Ratio Lower Upper
117 100
82 56.7 46.8 70.2
119 32.8 26.2 39.2

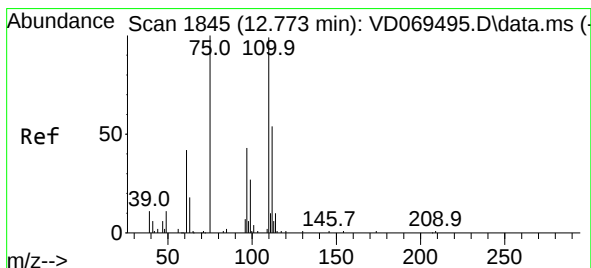
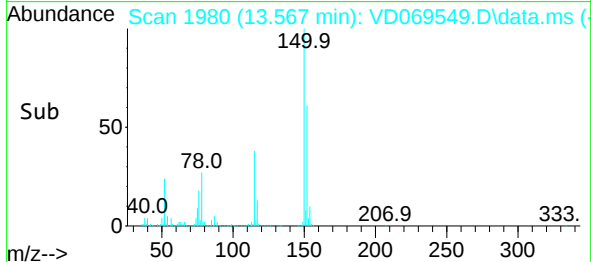
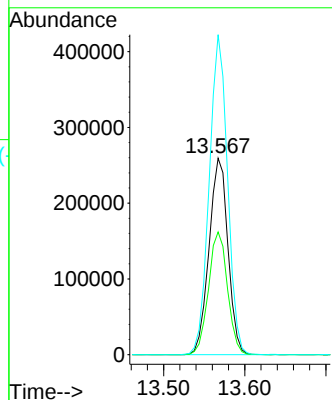
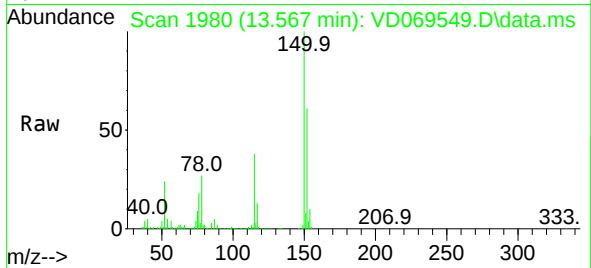




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069549.D
 Acq: 23 Jun 2021 17:10

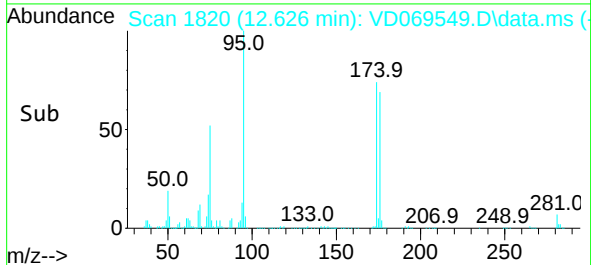
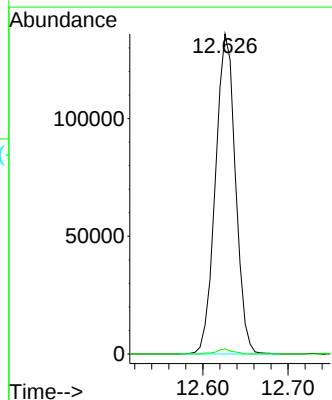
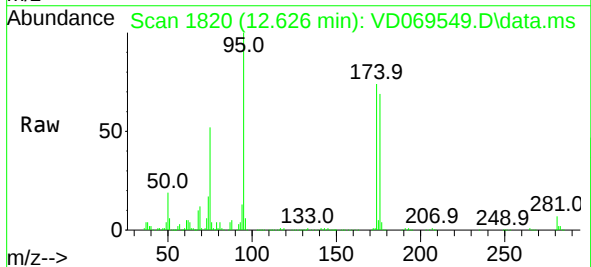
Instrument :
 MSVOA_D
 ClientSampleId :

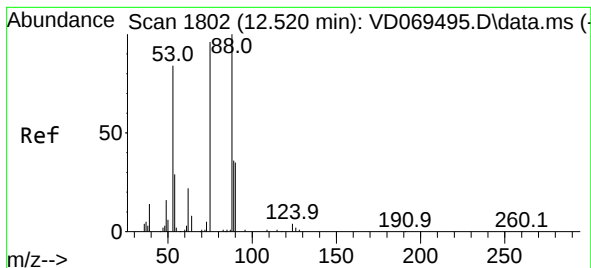
Tgt Ion:152 Resp: 419289
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.7 95.1
 150 157.6 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 53.919 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069549.D
 Acq: 23 Jun 2021 17:10

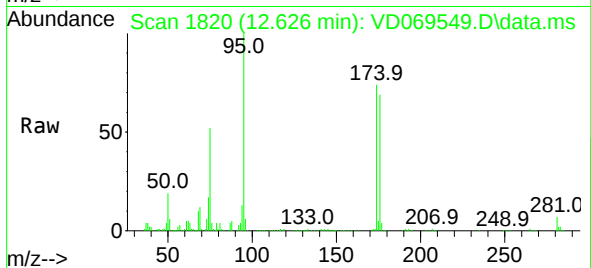
Tgt Ion: 75 Resp: 221922
 Ion Ratio Lower Upper
 75 100
 77 1.3 162.6 487.8#



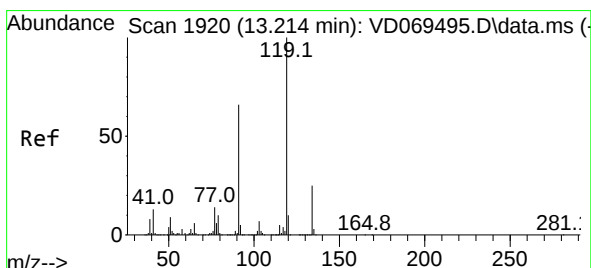
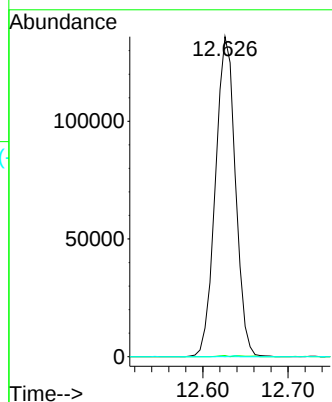
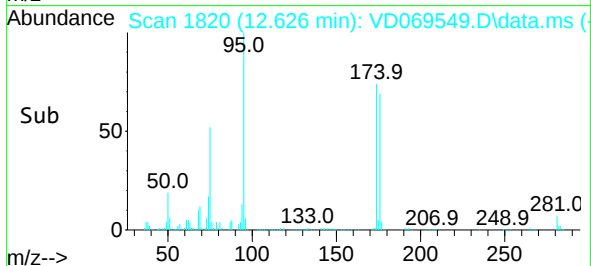


#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.628 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069549.D
 Acq: 23 Jun 2021 17:10

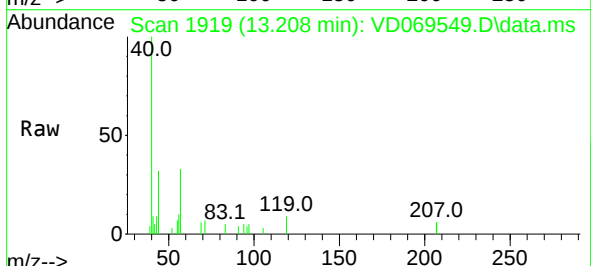
Instrument :
 MSVOA_D
 ClientSampleId :



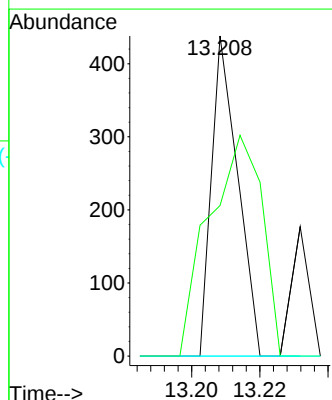
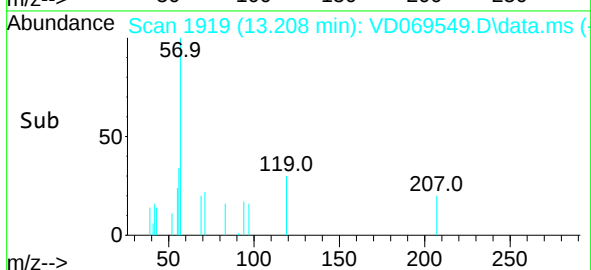
Tgt Ion: 75 Resp: 221922
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 0.0 35.3 52.9#

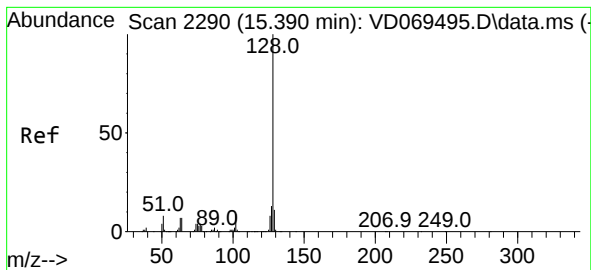


#83
 tert-Butylbenzene
 Concen: 2.003 ug/l
 RT: 13.208 min Scan# 1919
 Delta R.T. -0.006 min
 Lab File: VD069549.D
 Acq: 23 Jun 2021 17:10



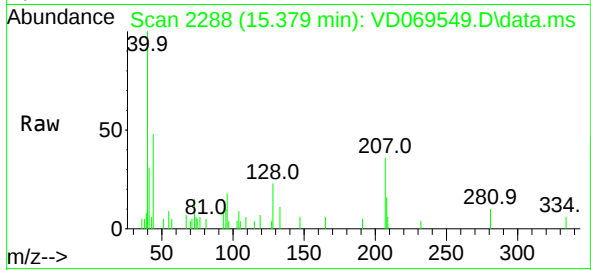
Tgt Ion: 119 Resp: 234
 Ion Ratio Lower Upper
 119 100
 91 139.3 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.475 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069549.D
Acq: 23 Jun 2021 17:10

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:128 Resp: 1692
Ion Ratio Lower Upper
128 100
127 3.3 10.6 16.0#
129 4.4 8.7 13.1#

