

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069687.D
 Acq On : 14 Jul 2021 14:49
 Operator : VA/SY
 Sample : M3001-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 14 16:30:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

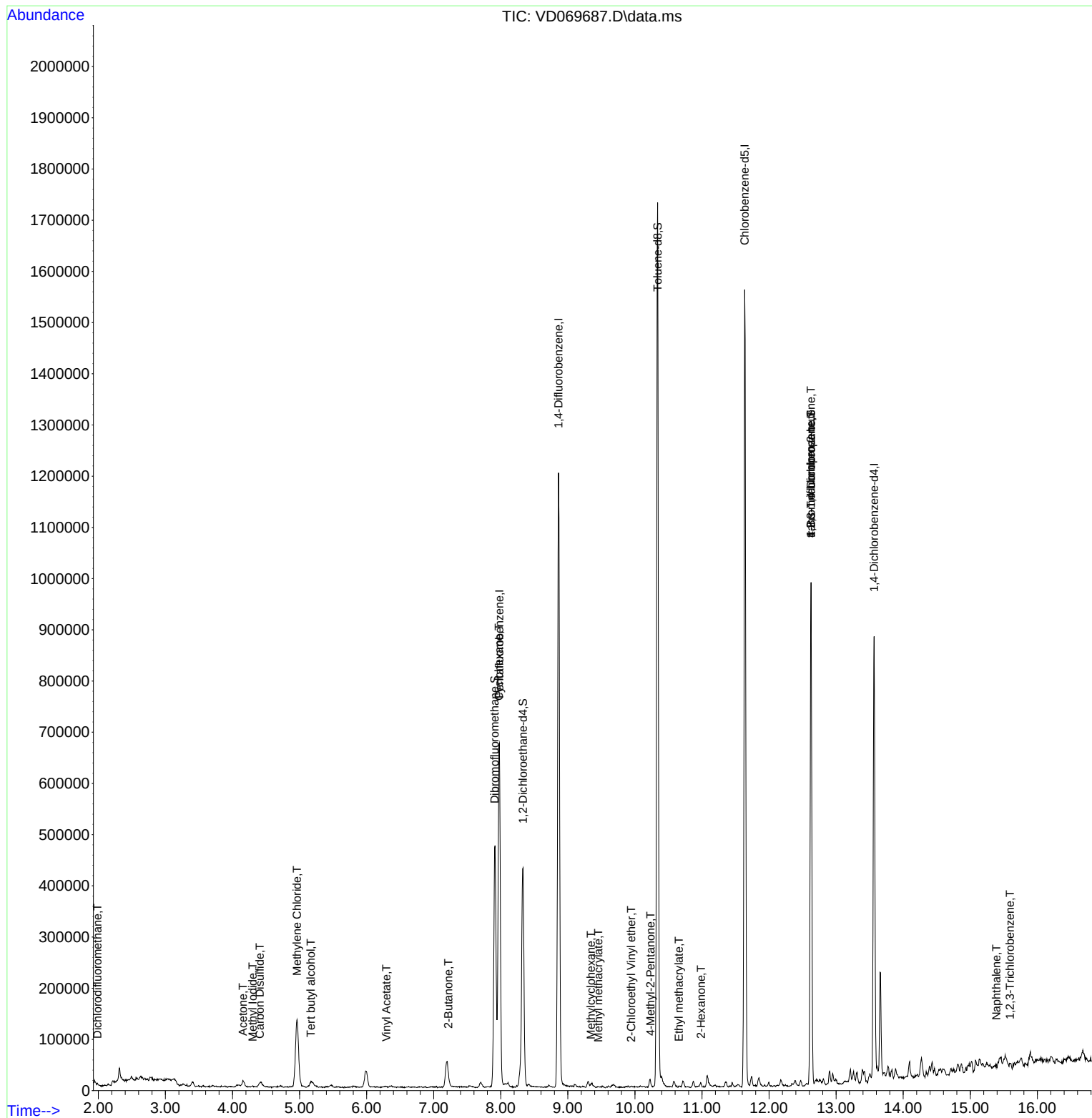
Internal Standards						
1) Pentafluorobenzene	7.979	168	480074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1007473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	884467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	225724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	349440	58.295	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.580%	
35) Dibromofluoromethane	7.908	113	355058	52.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.060%	
50) Toluene-d8	10.338	98	1170737	44.585	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.180%	
62) 4-Bromofluorobenzene	12.626	95	329629	37.640	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 75.280%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	2208	1.055	ug/l	95
5) Bromomethane	2.779	94	4492	Below Cal		94
10) Methyl Iodide	4.303	142	1753	2.748	ug/l #	52
11) Tert butyl alcohol	5.167	59	4262	5.322	ug/l #	79
16) Acetone	4.156	43	20587	27.905	ug/l	97
17) Carbon Disulfide	4.409	76	14745	1.227	ug/l #	92
18) Methyl Acetate	4.709	43	280	Below Cal	#	49
20) Methylene Chloride	4.962	84	107794	8.472	ug/l	94
23) Vinyl Acetate	6.297	43	778	15.502	ug/l #	72
25) 2-Butanone	7.220	43	11258	7.946	ug/l #	88
31) Cyclohexane	7.973	56	14503	1.815	ug/l #	21
39) Methylcyclohexane	9.344	83	2920	2.184	ug/l	96
48) Methyl methacrylate	9.455	41	318	1.186	ug/l #	36
51) 4-Methyl-2-Pentanone	10.232	43	10163	2.726	ug/l #	82
56) Ethyl methacrylate	10.655	69	433	1.726	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.944	63	127	9.400	ug/l #	49
59) 2-Hexanone	10.985	43	5016	2.018	ug/l	82
76) 1,2,3-Trichloropropane	12.626	75	166624	75.985	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	166624	204.207	ug/l #	14
95) Naphthalene	15.390	128	5710	2.969	ug/l	97
96) 1,2,3-Trichlorobenzene	15.590	180	3230	1.059	ug/l	72

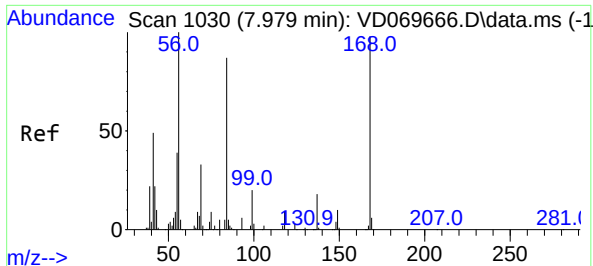
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 14 16:30:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

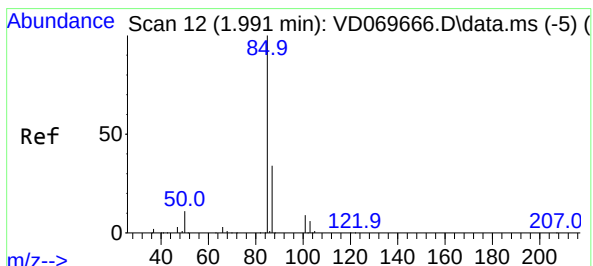
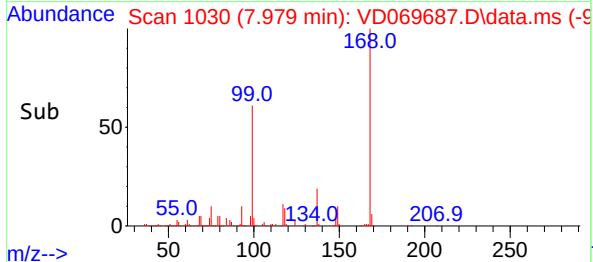
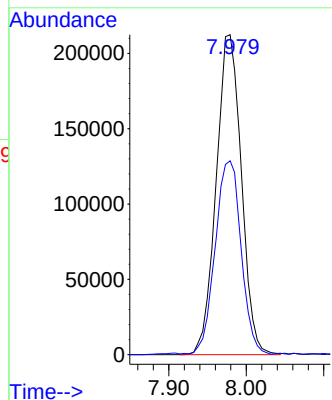
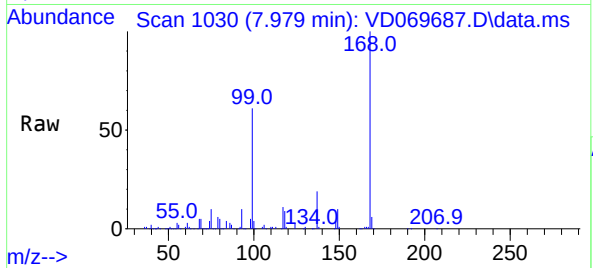




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

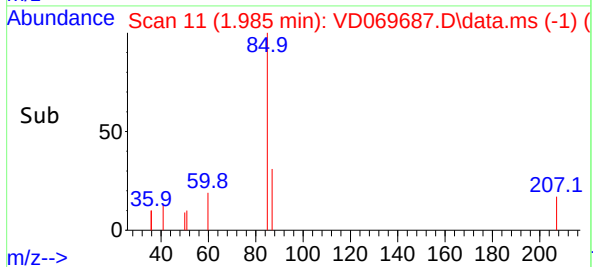
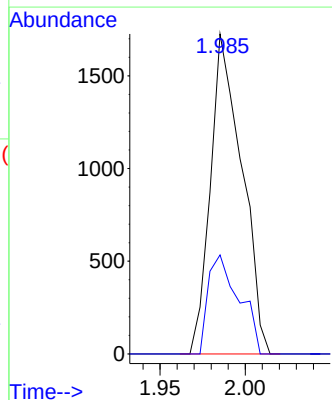
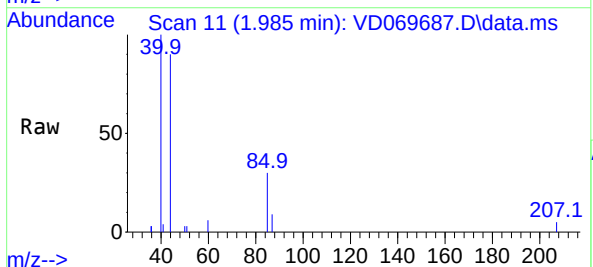
Instrument :
MSVOA_D
ClientSampled :

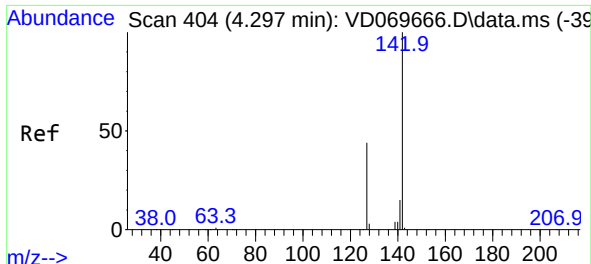
Tgt Ion:168 Resp: 480074
Ion Ratio Lower Upper
168 100
99 60.3 51.8 77.6



#2
Dichlorodifluoromethane
Concen: 1.055 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

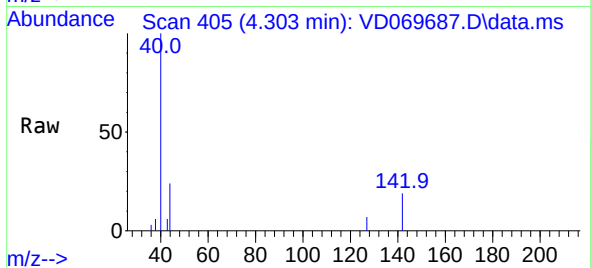
Tgt Ion: 85 Resp: 2208
Ion Ratio Lower Upper
85 100
87 30.9 17.0 51.0



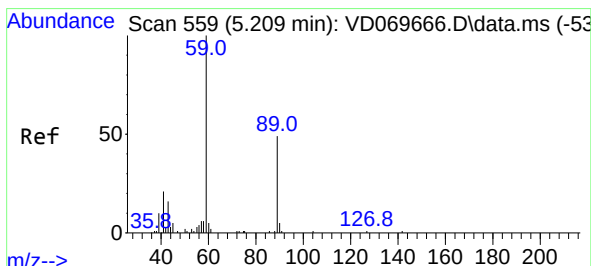
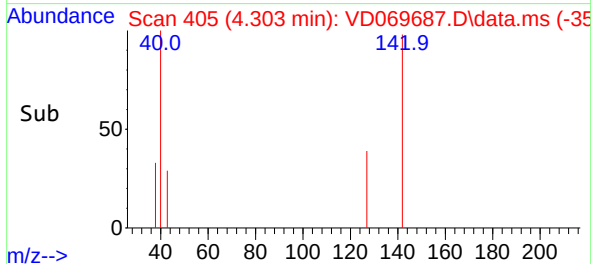
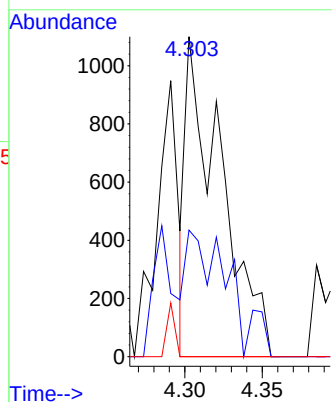


#10
Methyl Iodide
Concen: 2.748 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Instrument :
MSVOA_D
ClientSampled :

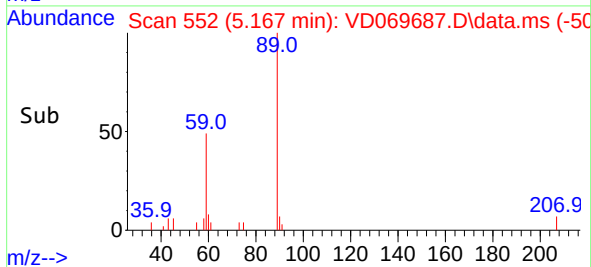
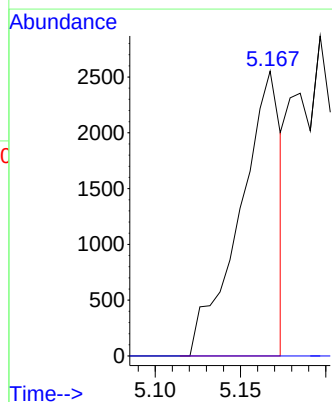
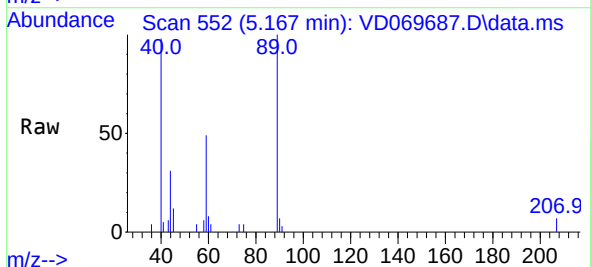


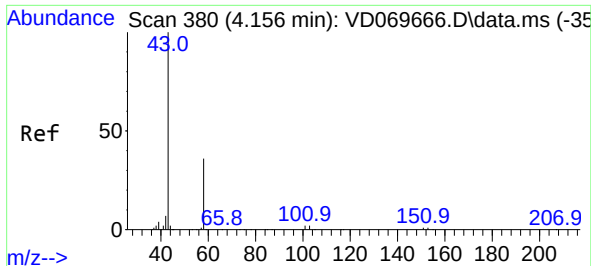
Tgt Ion:142 Resp: 1753
Ion Ratio Lower Upper
142 100
127 11.2 36.1 54.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.322 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.042 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion: 59 Resp: 4262
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

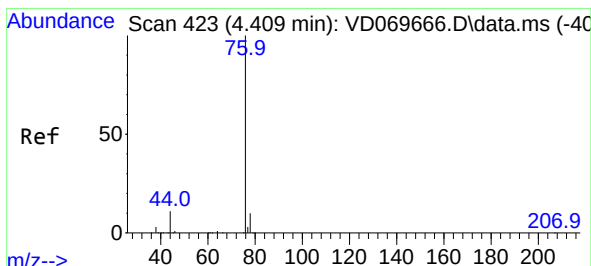
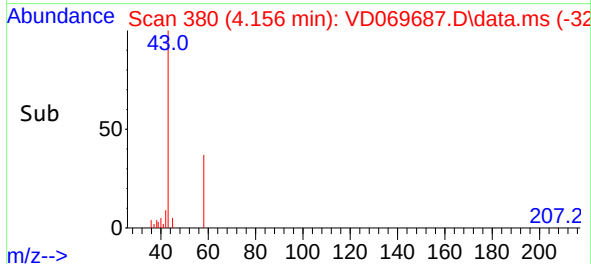
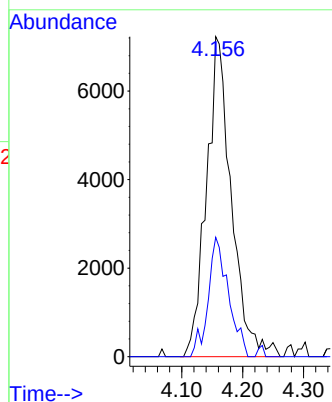
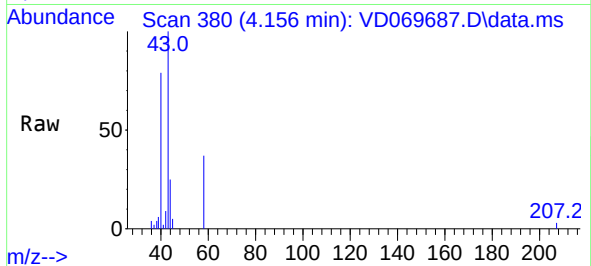




#16
Acetone
Concen: 27.905 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

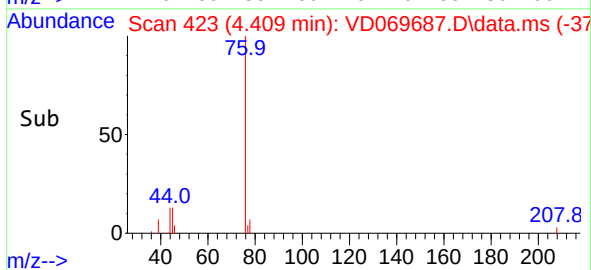
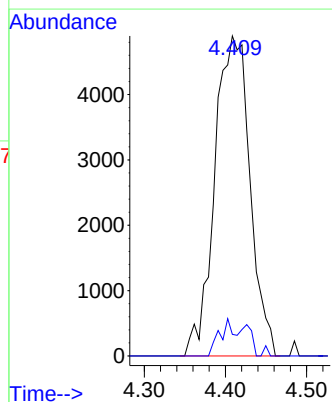
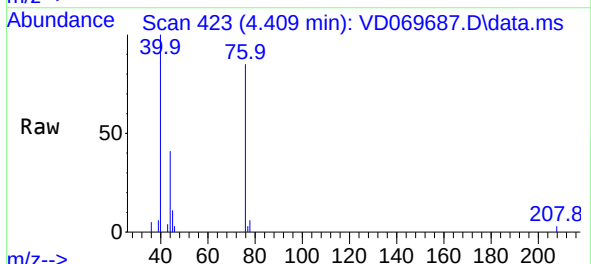
Instrument :
MSVOA_D
ClientSampled :

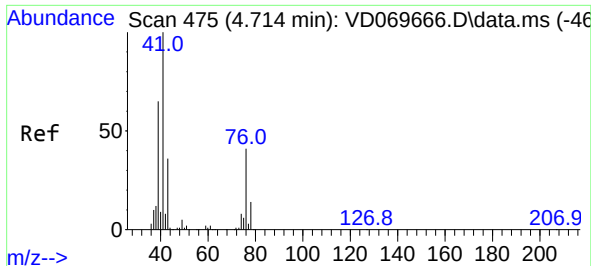
Tgt Ion: 43 Resp: 20587
Ion Ratio Lower Upper
43 100
58 37.3 28.6 42.8



#17
Carbon Disulfide
Concen: 1.227 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion: 76 Resp: 14745
Ion Ratio Lower Upper
76 100
78 6.7 7.6 11.4#

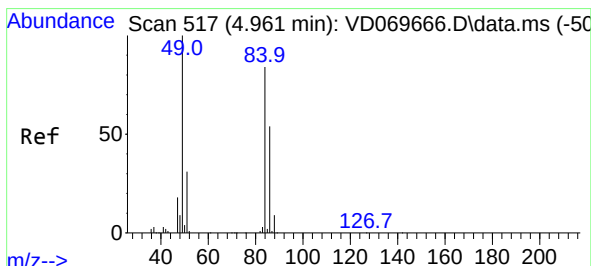
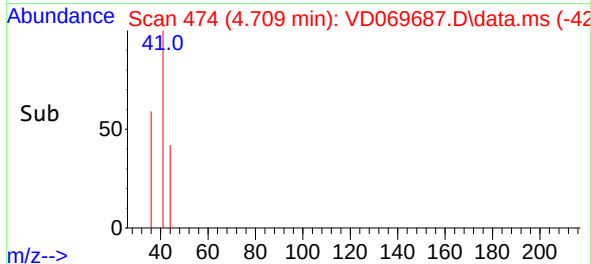
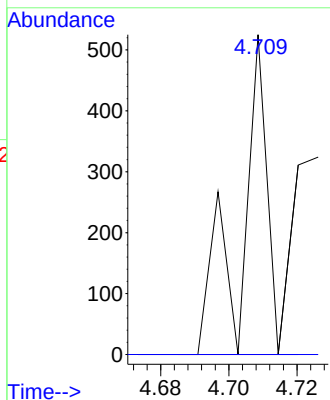
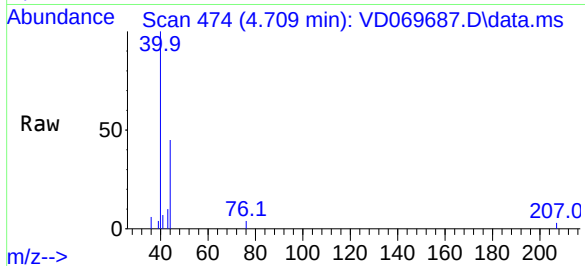




#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.005 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

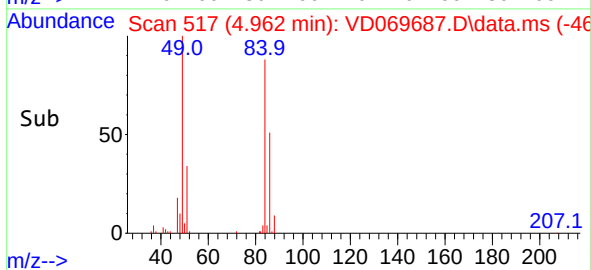
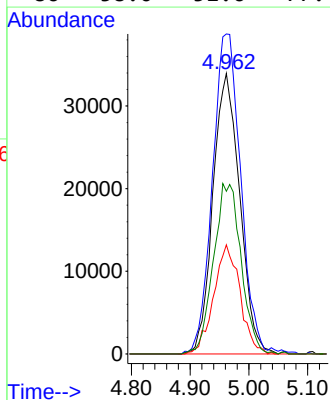
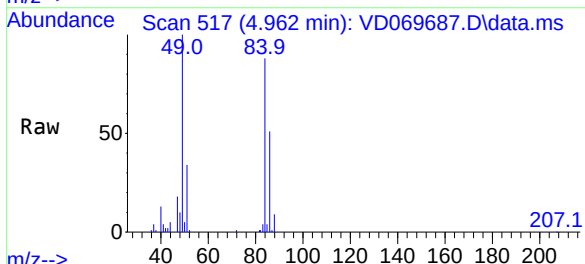
Instrument :
MSVOA_D
ClientSampled :

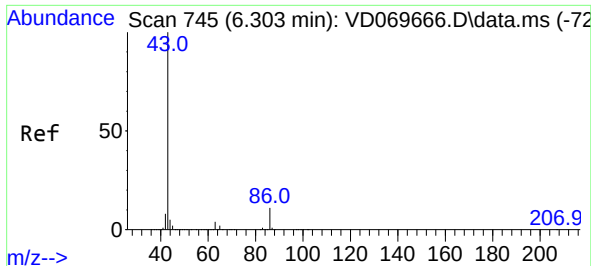
Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 8.472 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion: 84 Resp: 107794
Ion Ratio Lower Upper
84 100
49 114.1 95.5 143.3
51 38.9 29.7 44.5
86 58.0 51.6 77.4

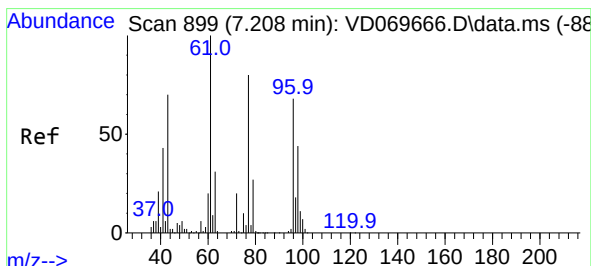
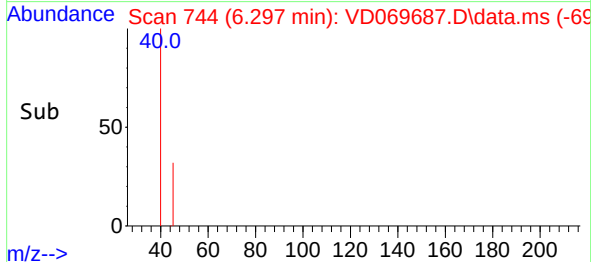
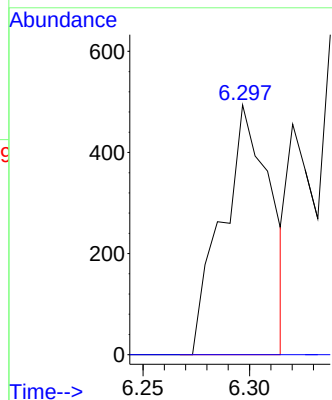
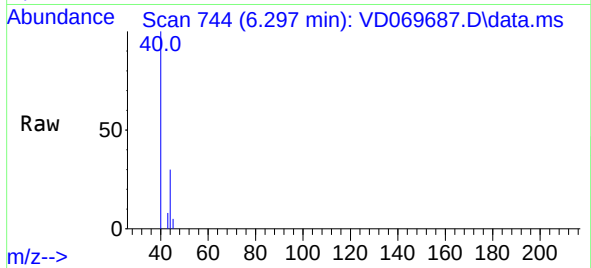




#23
 Vinyl Acetate
 Concen: 15.502 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD069687.D
 Acq: 14 Jul 2021 14:49

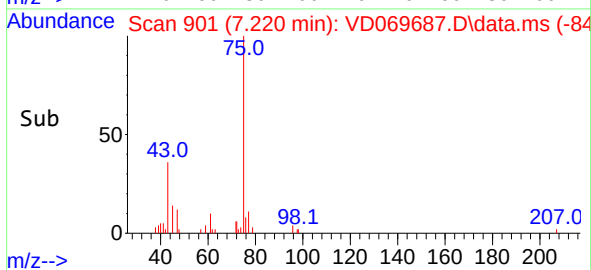
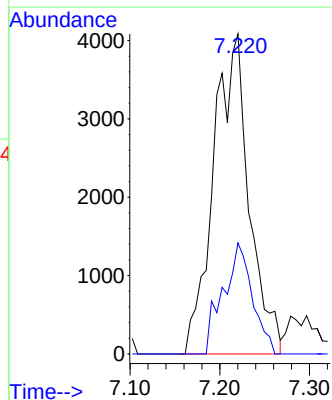
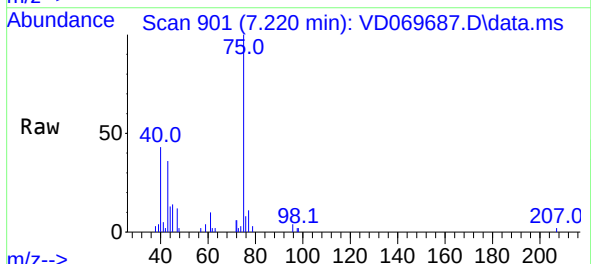
Instrument :
 MSVOA_D
 ClientSampled :

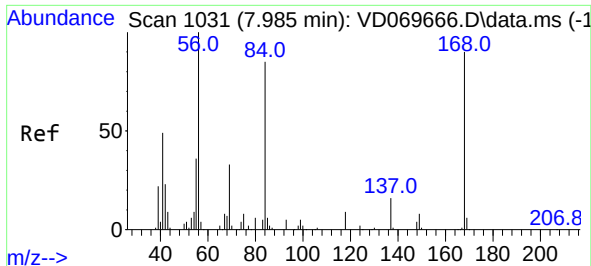
Tgt Ion: 43 Resp: 778
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 7.946 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.012 min
 Lab File: VD069687.D
 Acq: 14 Jul 2021 14:49

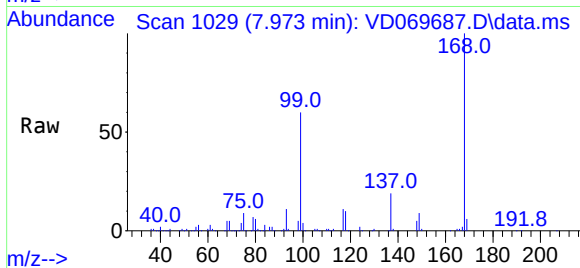
Tgt Ion: 43 Resp: 11258
 Ion Ratio Lower Upper
 43 100
 72 34.7 22.6 33.8#



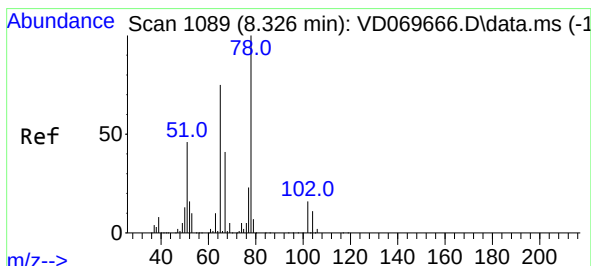
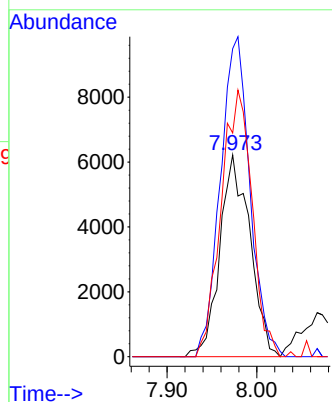
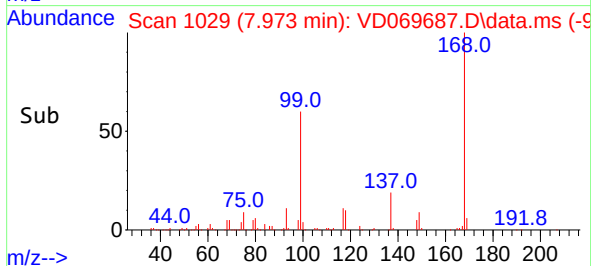


#31
Cyclohexane
Concen: 1.815 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

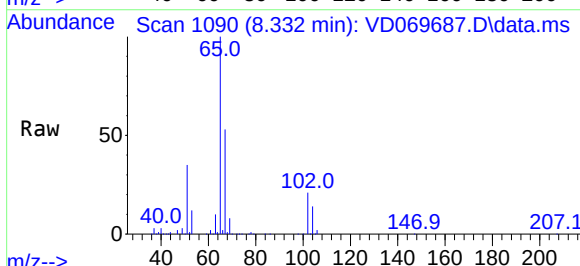
Instrument :
MSVOA_D
ClientSampleId :



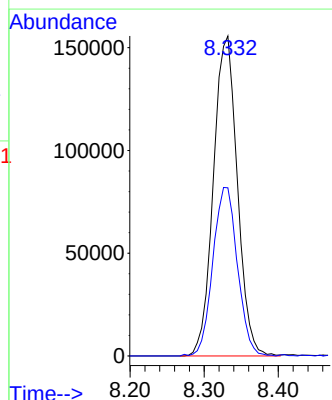
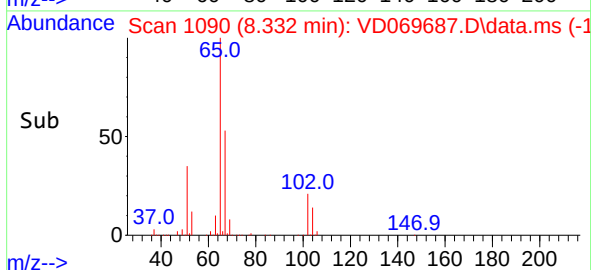
Tgt Ion: 56 Resp: 14503
Ion Ratio Lower Upper
56 100
69 152.7 26.6 39.8#
84 110.9 68.2 102.2#

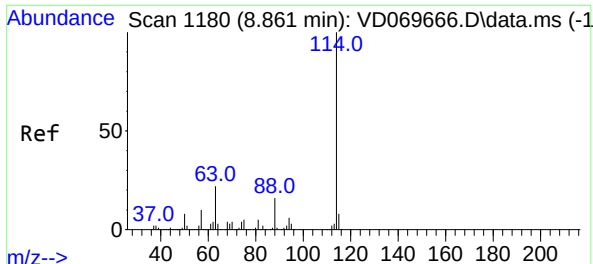


#33
1,2-Dichloroethane-d4
Concen: 58.295 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49



Tgt Ion: 65 Resp: 349440
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.2



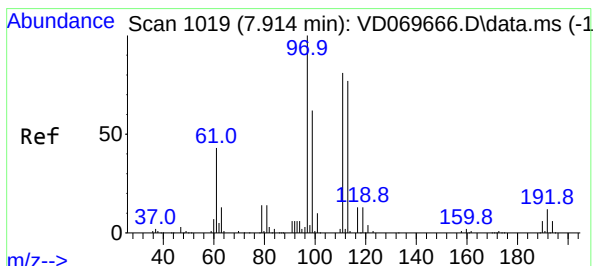
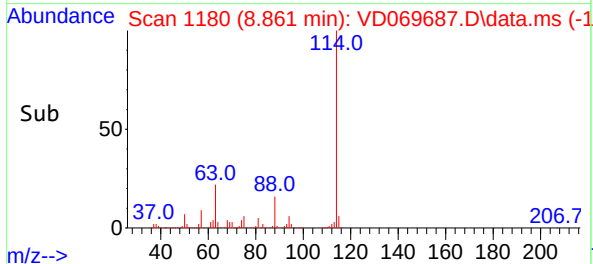
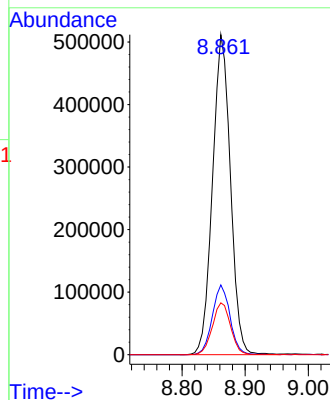
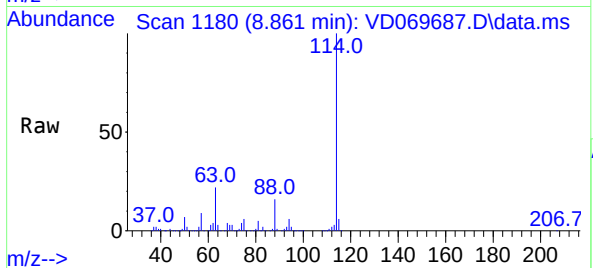


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Instrument :
MSVOA_D
ClientSampled :

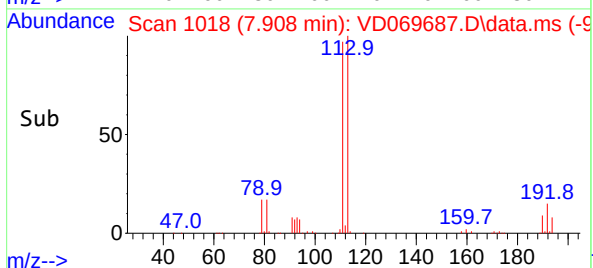
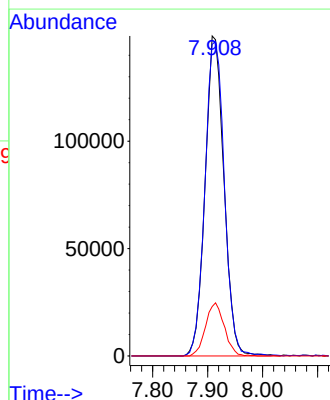
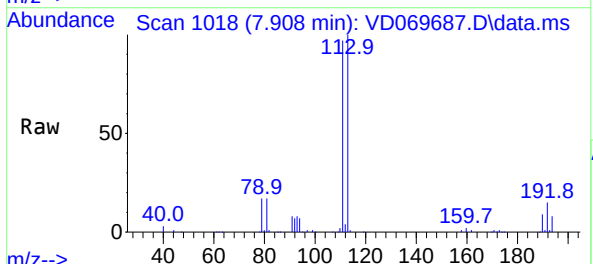
Tgt Ion:114 Resp: 1007473
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.4
88 16.2 0.0 32.0

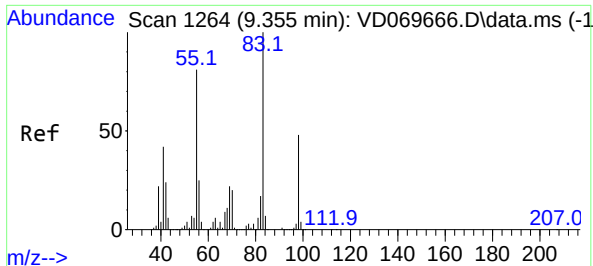


#35

Dibromofluoromethane
Concen: 52.531 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion:113 Resp: 355058
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 16.5 12.7 19.1





#39

Methylcyclohexane

Concen: 2.184 ug/l

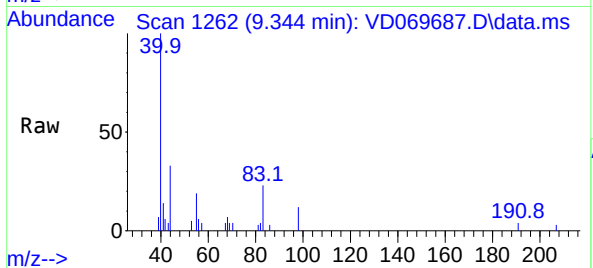
RT: 9.344 min Scan# 1262

Delta R.T. -0.011 min

Lab File: VD069687.D

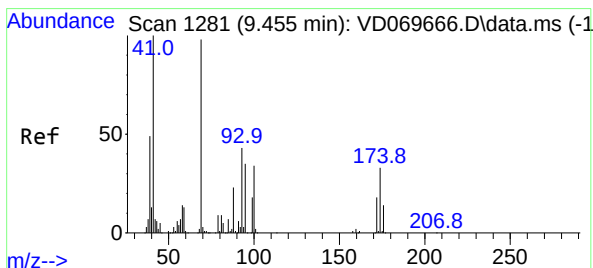
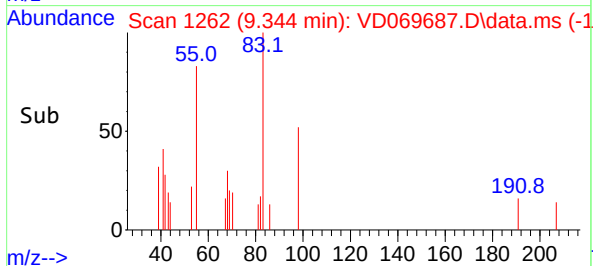
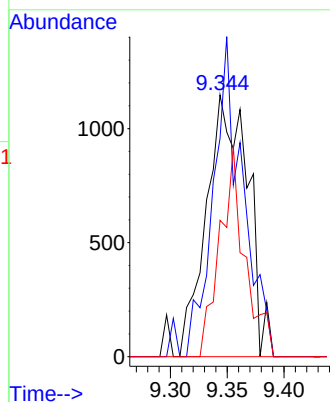
Acq: 14 Jul 2021 14:49

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 83 Resp: 2920

Ion	Ratio	Lower	Upper
83	100		
55	83.4	64.6	97.0
98	52.1	38.4	57.6



#48

Methyl methacrylate

Concen: 1.186 ug/l

RT: 9.455 min Scan# 1281

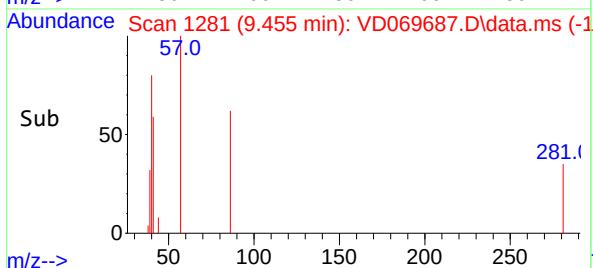
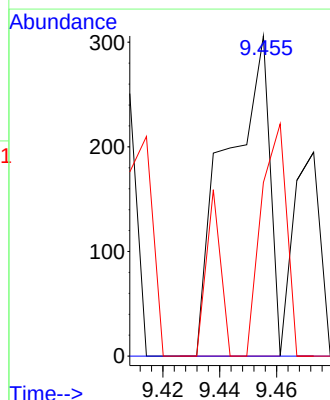
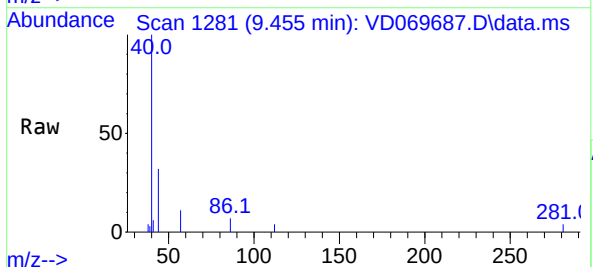
Delta R.T. 0.000 min

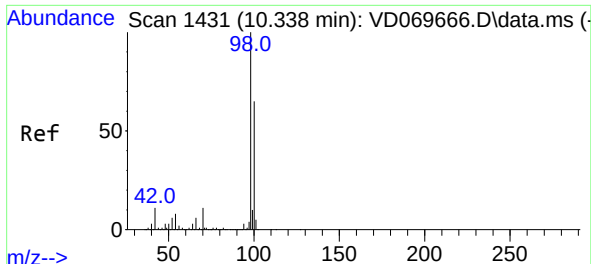
Lab File: VD069687.D

Acq: 14 Jul 2021 14:49

Tgt Ion: 41 Resp: 318

Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	43.1	36.7	55.1

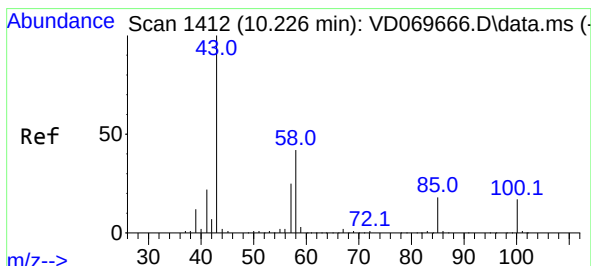
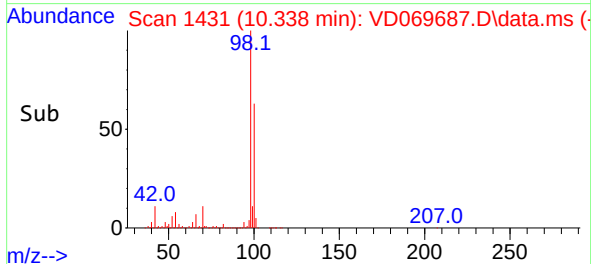
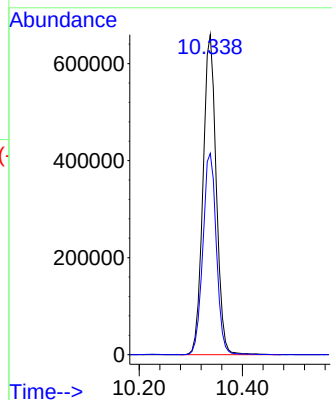
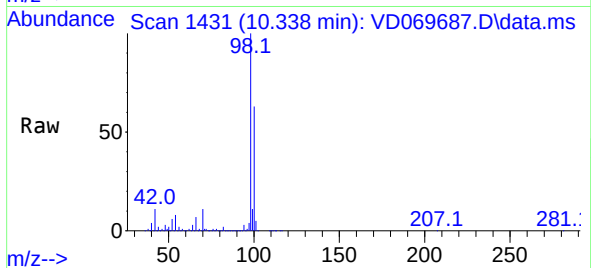




#50
Toluene-d8
Concen: 44.585 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

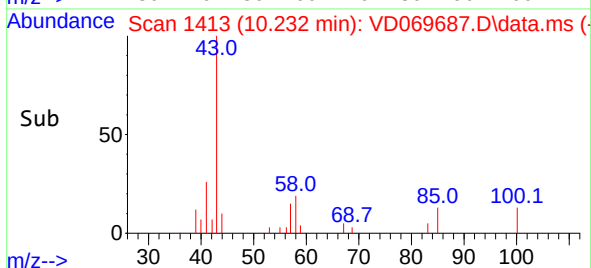
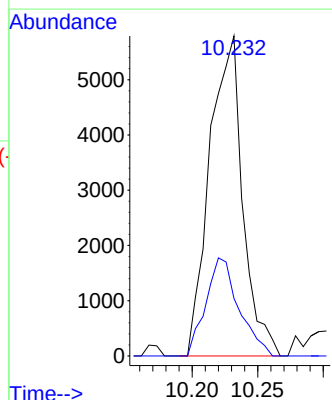
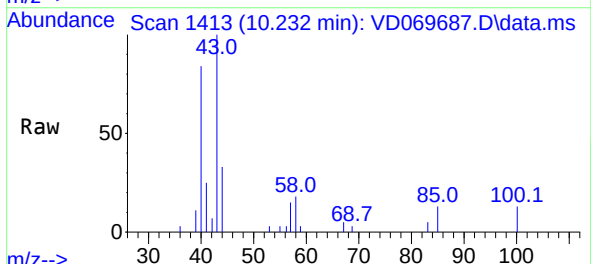
Instrument :
MSVOA_D
ClientSampled :

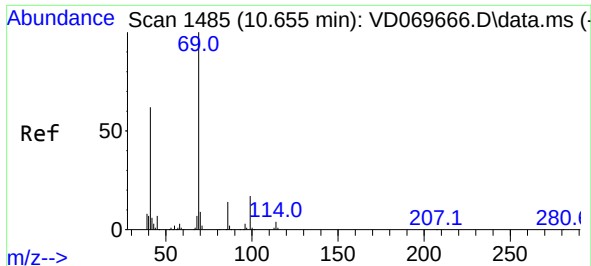
Tgt Ion: 98 Resp: 1170737
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 2.726 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion: 43 Resp: 10163
Ion Ratio Lower Upper
43 100
58 30.6 33.5 50.3#

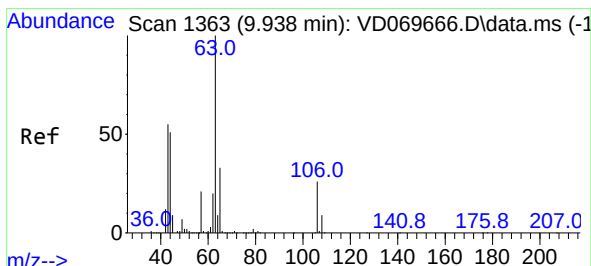
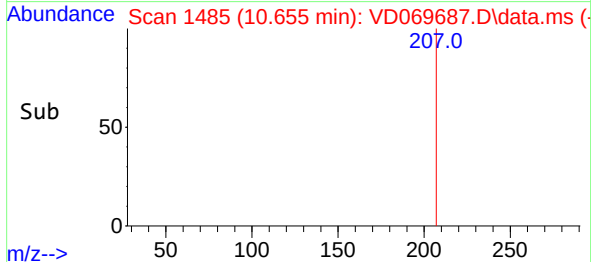
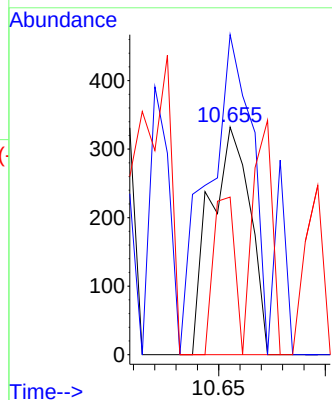
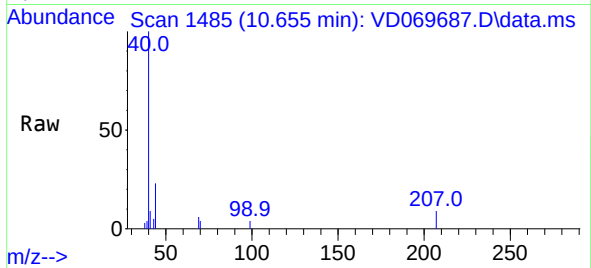




#56
Ethyl methacrylate
Concen: 1.726 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

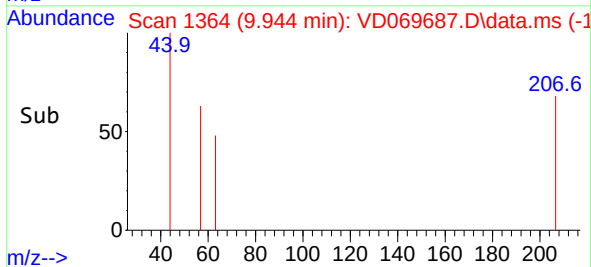
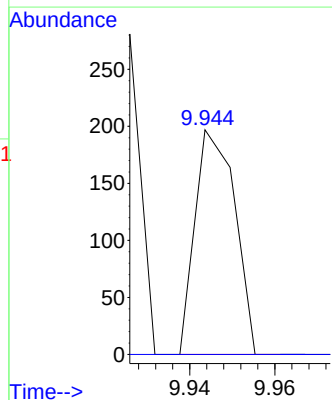
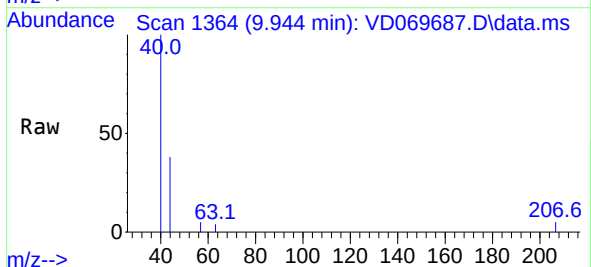
Instrument :
MSVOA_D
ClientSampleId :

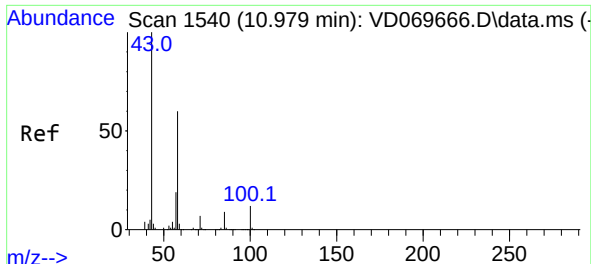
Tgt Ion: 69 Resp: 433
Ion Ratio Lower Upper
69 100
41 178.8 49.5 74.3#
39 37.0 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.400 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion: 63 Resp: 127
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

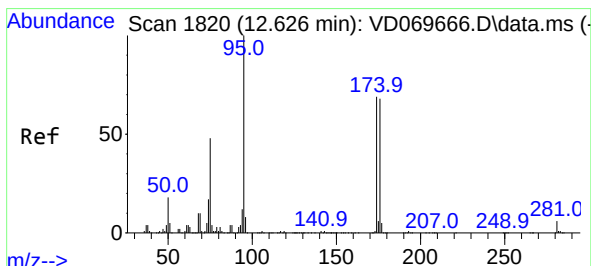
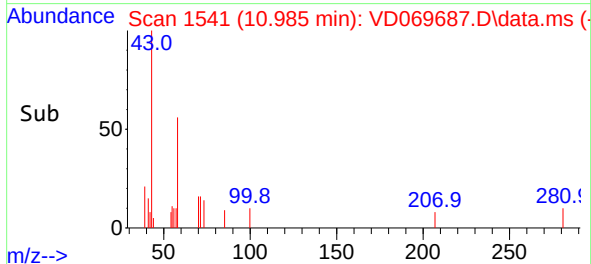
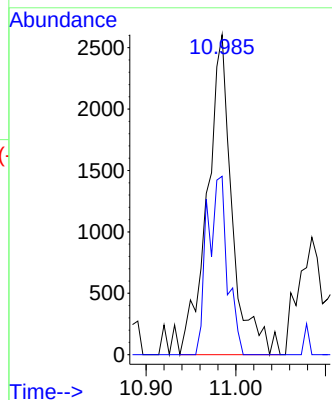
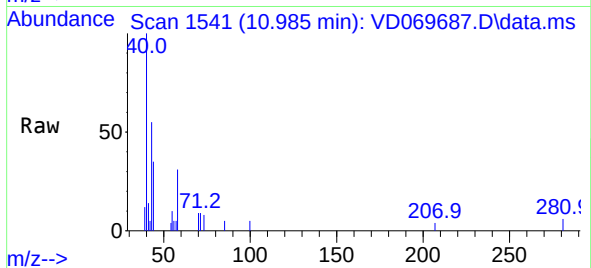




#59
2-Hexanone
Concen: 2.018 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

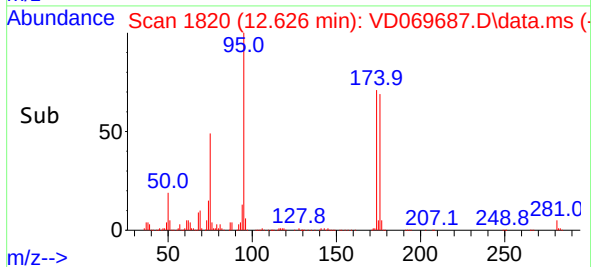
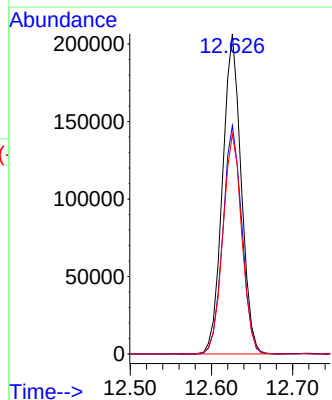
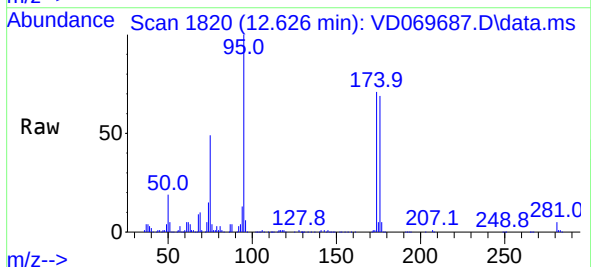
Instrument :
MSVOA_D
ClientSampled :

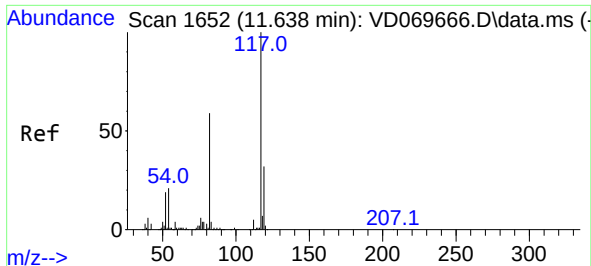
Tgt Ion: 43 Resp: 5016
Ion Ratio Lower Upper
43 100
58 45.0 29.1 87.4



#62
4-Bromofluorobenzene
Concen: 37.640 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion: 95 Resp: 329629
Ion Ratio Lower Upper
95 100
174 72.6 0.0 140.0
176 69.9 0.0 136.2

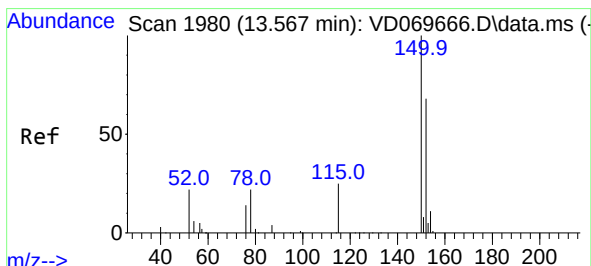
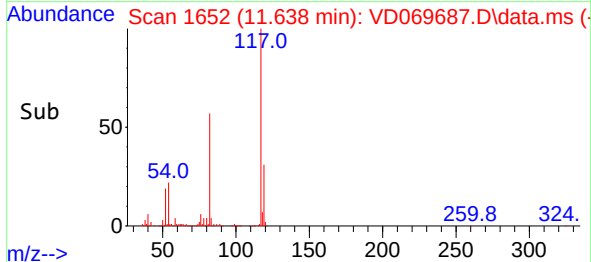
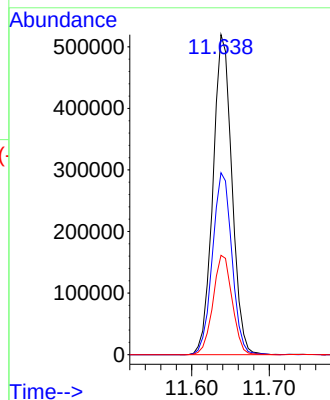
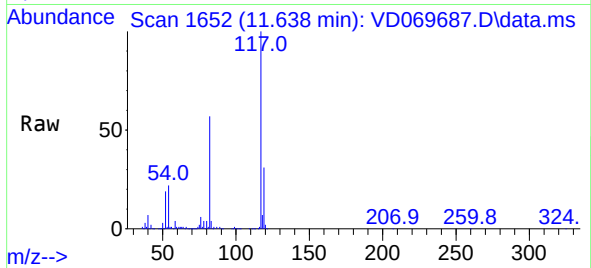




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

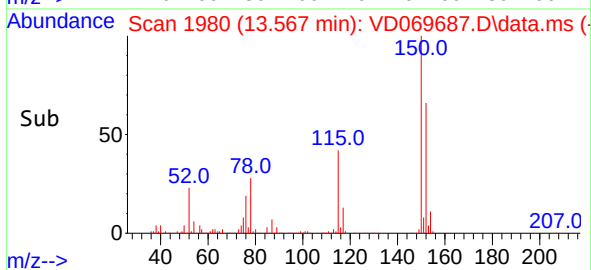
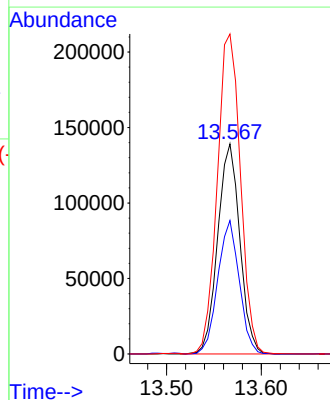
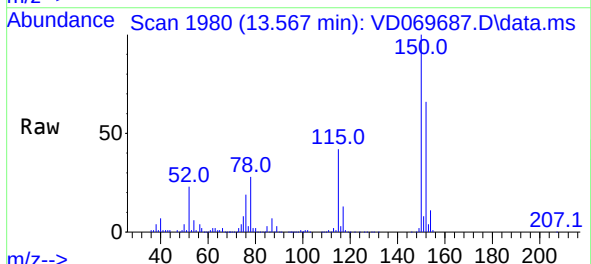
Instrument :
MSVOA_D
ClientSampleId :

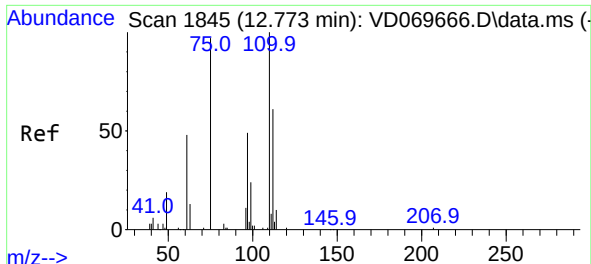
Tgt Ion:117 Resp: 884467
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 31.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion:152 Resp: 225724
Ion Ratio Lower Upper
152 100
115 61.8 31.7 95.1
150 159.7 0.0 350.4

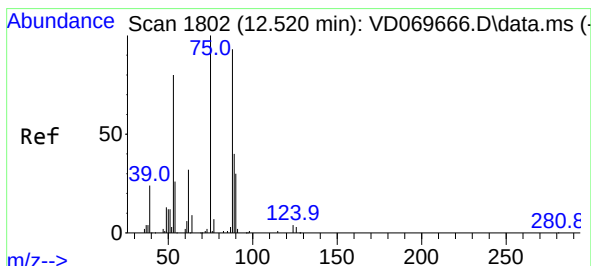
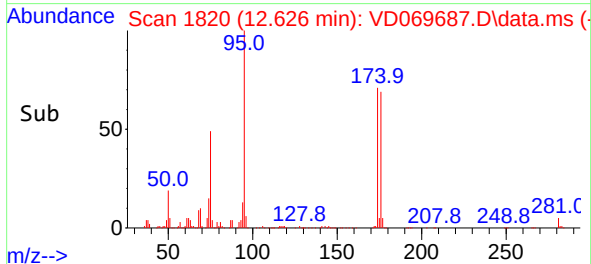
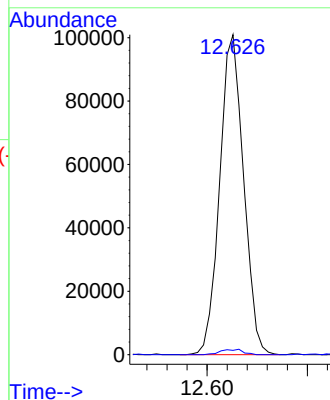
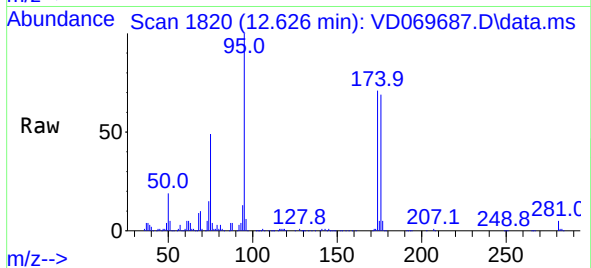




#76
1,2,3-Trichloropropane
Concen: 75.985 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

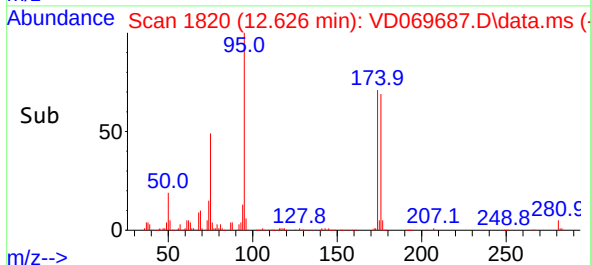
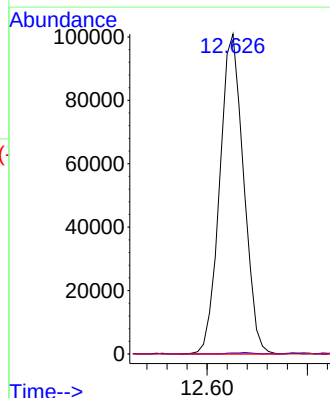
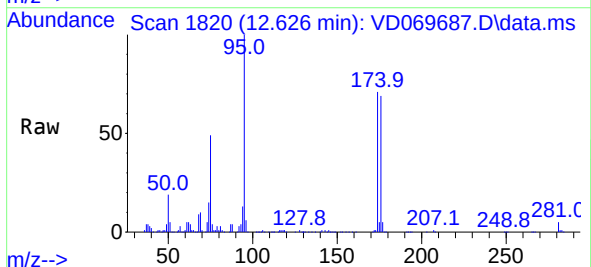
Instrument :
MSVOA_D
ClientSampleId :

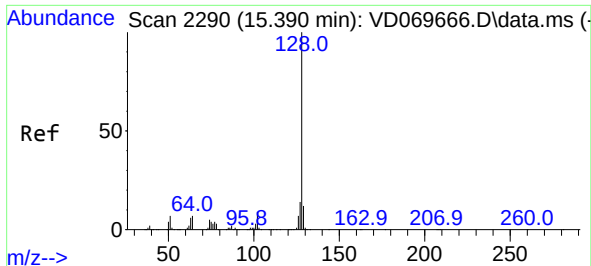
Tgt Ion: 75 Resp: 166624
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 204.207 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion: 75 Resp: 166624
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.0 35.1 52.7#

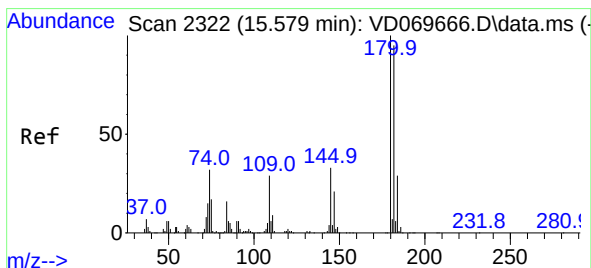
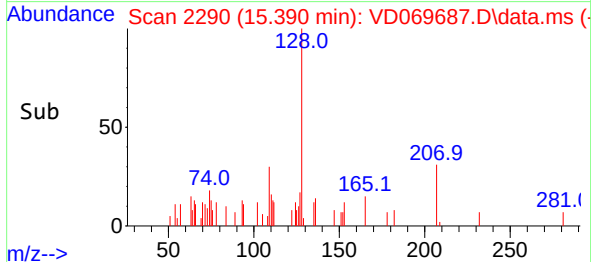
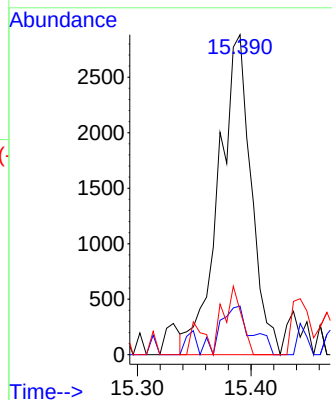
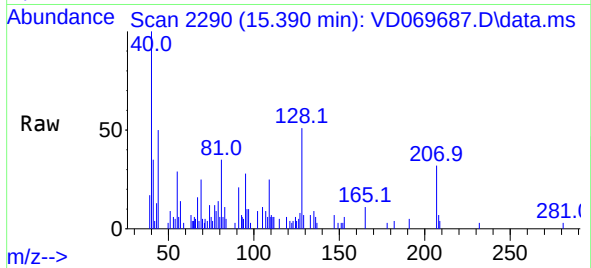




#95
Naphthalene
Concen: 2.969 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:128 Resp: 5710
Ion Ratio Lower Upper
128 100
127 14.7 10.6 16.0
129 12.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.059 ug/l
RT: 15.590 min Scan# 2324
Delta R.T. 0.011 min
Lab File: VD069687.D
Acq: 14 Jul 2021 14:49

Tgt Ion:180 Resp: 3230
Ion Ratio Lower Upper
180 100
182 60.1 48.0 144.2
145 35.7 17.2 51.5

