

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073021\
 Data File : VD069940.D
 Acq On : 30 Jul 2021 16:54
 Operator : VA/SY
 Sample : M3241-02
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20210592-AMENDED-COM-6

Quant Time: Jul 31 00:39:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

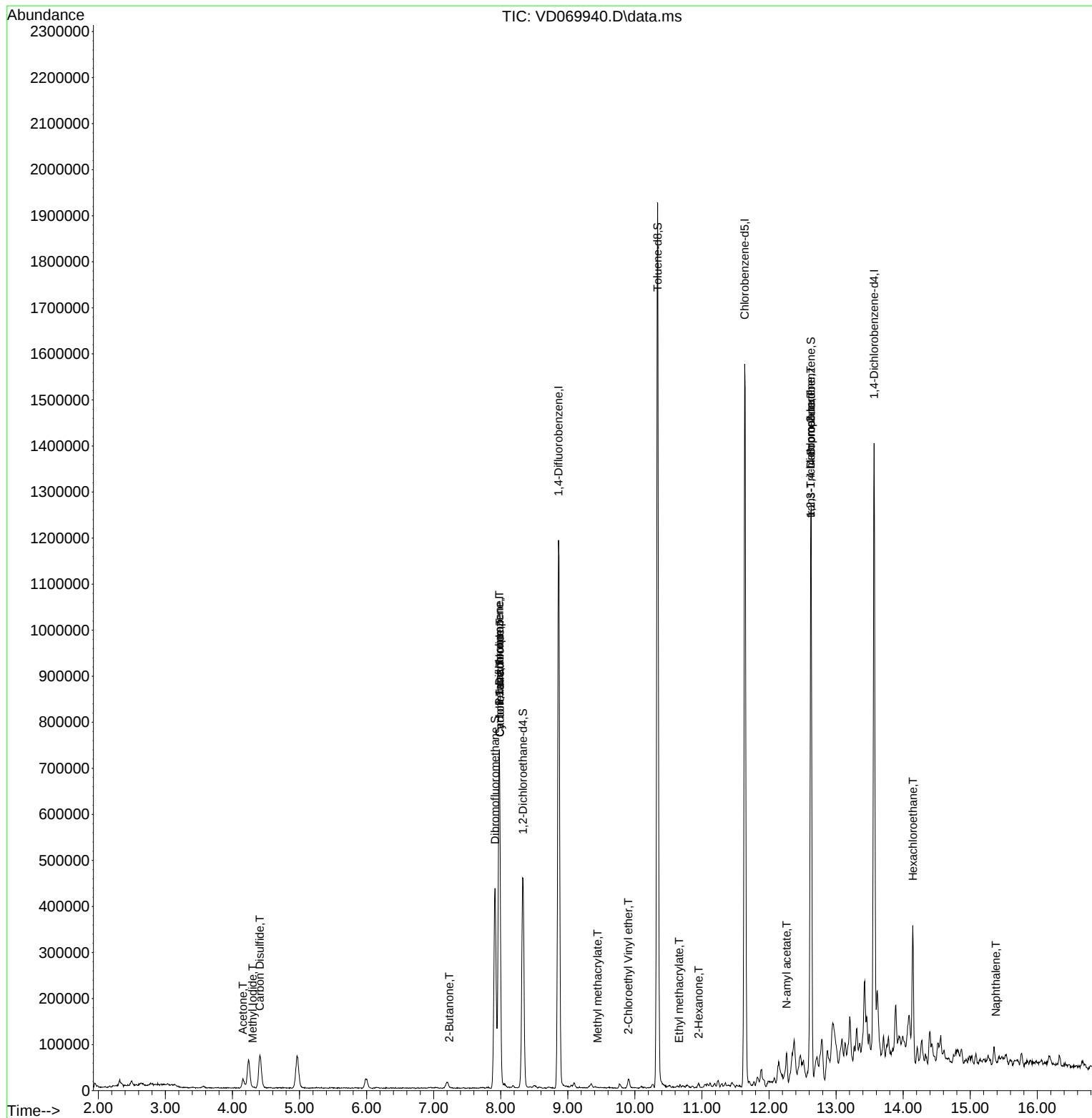
Internal Standards						
1) Pentafluorobenzene	7.979	168	522804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1026476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	935271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	357089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	365453	60.780	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.560%			
35) Dibromofluoromethane	7.914	113	323291	49.961	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.920%			
50) Toluene-d8	10.338	98	1298003	52.021	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.626	95	413674	49.608	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.220%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	1282	Below Cal		89
10) Methyl Iodide	4.303	142	457	3.528 ug/l #		70
16) Acetone	4.156	43	32498	29.920 ug/l		89
17) Carbon Disulfide	4.409	76	154434	7.221 ug/l		98
25) 2-Butanone	7.232	43	7427	5.042 ug/l		89
31) Cyclohexane	7.985	56	16571	1.411 ug/l #		19
36) 1,1-Dichloropropene	7.979	75	47314	4.271 ug/l #		49
38) Carbon Tetrachloride	7.985	117	56863	5.620 ug/l #		17
48) Methyl methacrylate	9.444	41	106	2.773 ug/l #		13
56) Ethyl methacrylate	10.661	69	86	3.907 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.902	63	59	20.887 ug/l #		48
59) 2-Hexanone	10.950	43	3674	1.476 ug/l #		21
74) N-amyl acetate	12.261	43	13457	2.550 ug/l #		80
76) 1,2,3-Trichloropropane	12.620	75	200226	52.752 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.620	75	200226	160.036 ug/l #		16
90) Hexachloroethane	14.143	117	12897	2.657 ug/l #		18
95) Naphthalene	15.385	128	4207	5.323 ug/l #		84

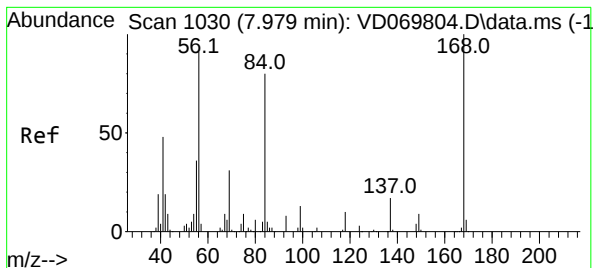
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 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: VD069940.D

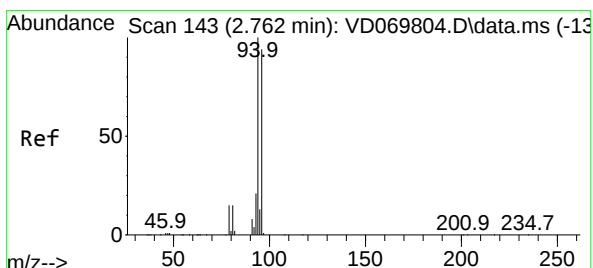
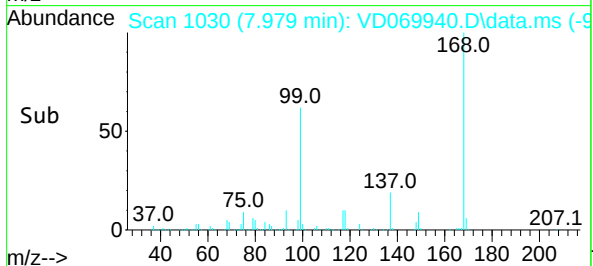
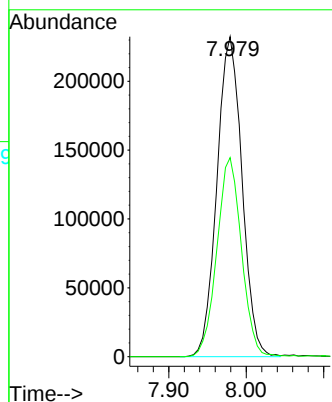
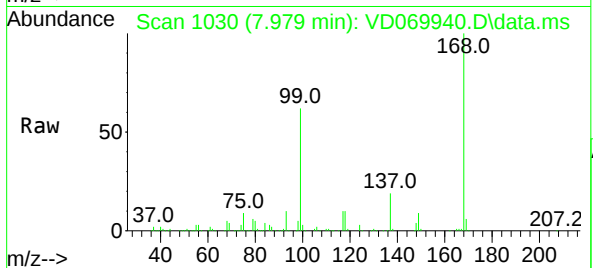
Acq: 30 Jul 2021 16:54

Tgt Ion:168 Resp: 522804

Ion Ratio Lower Upper

168 100

99 62.2 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD069940.D

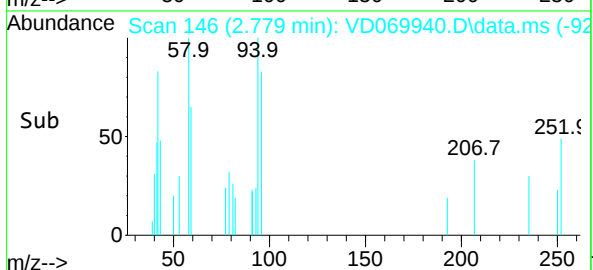
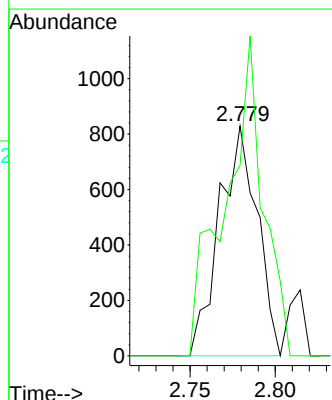
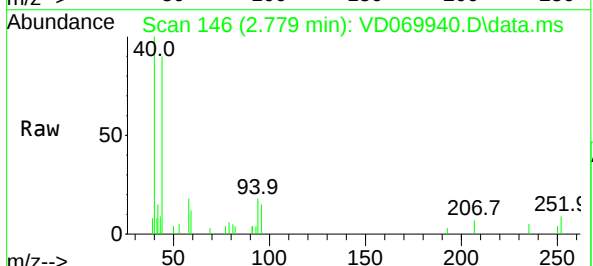
Acq: 30 Jul 2021 16:54

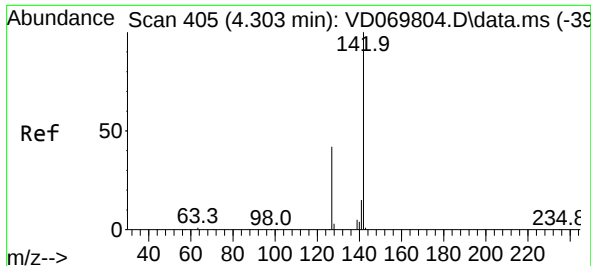
Tgt Ion: 94 Resp: 1282

Ion Ratio Lower Upper

94 100

96 82.9 74.8 112.2

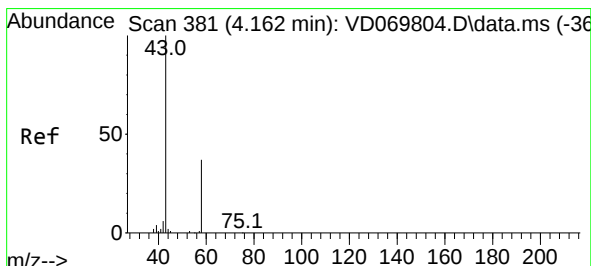
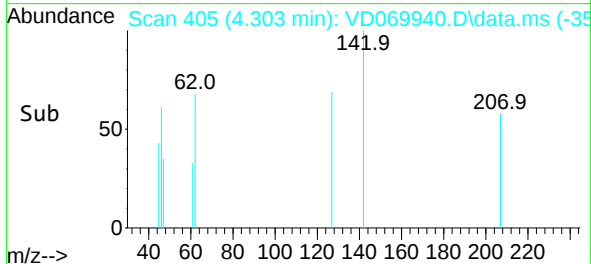
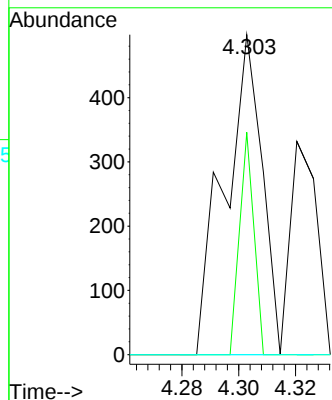
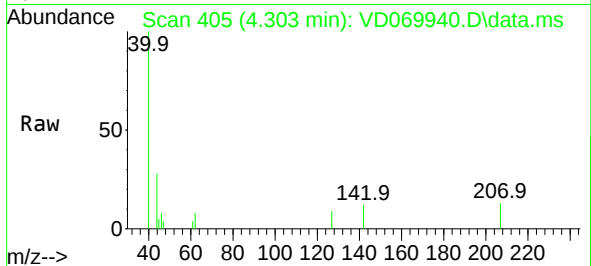




#10
Methyl Iodide
Concen: 3.528 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

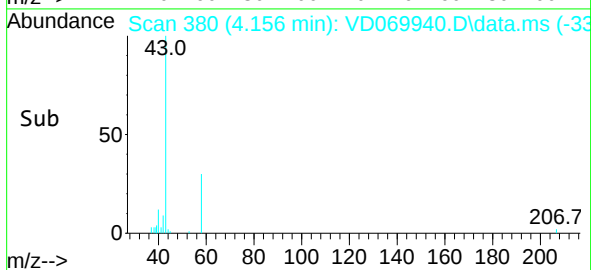
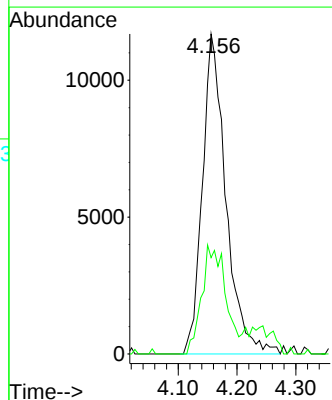
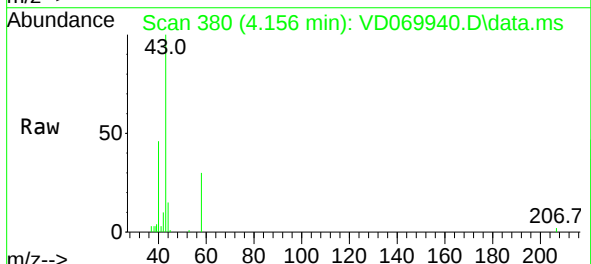
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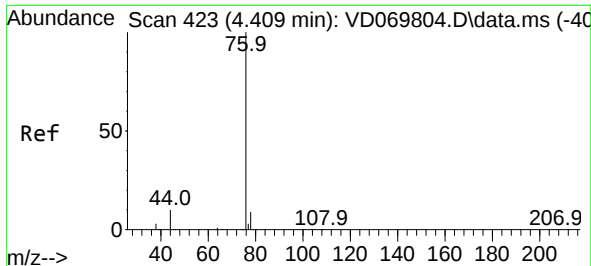
Tgt Ion:142 Resp: 457
Ion Ratio Lower Upper
142 100
127 26.7 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 29.920 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Tgt Ion: 43 Resp: 32498
Ion Ratio Lower Upper
43 100
58 30.1 29.4 44.0

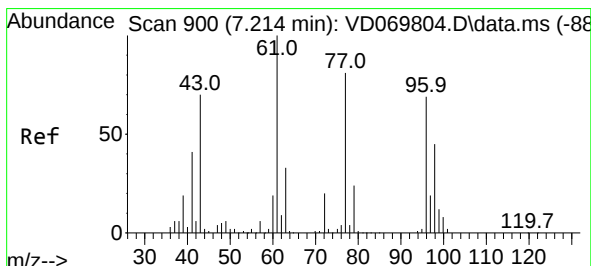
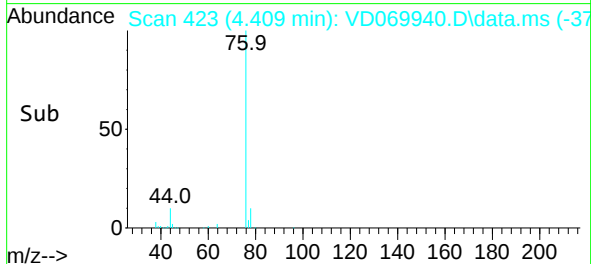
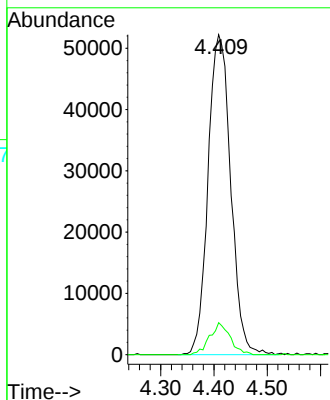
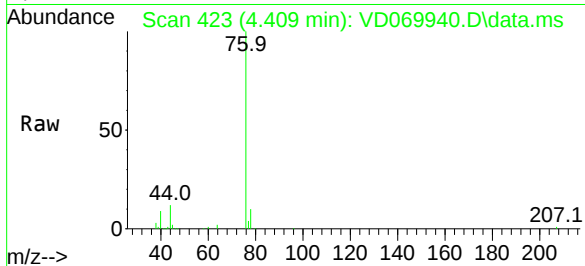




#17
Carbon Disulfide
Concen: 7.221 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

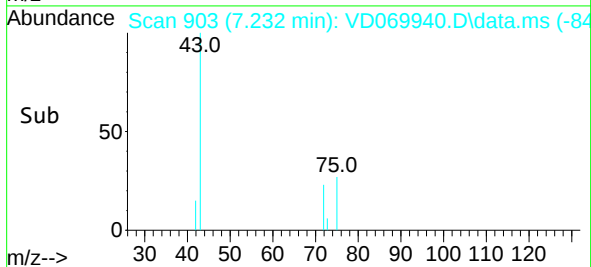
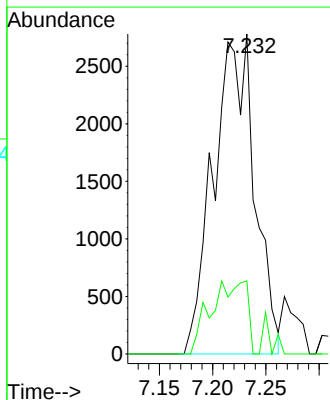
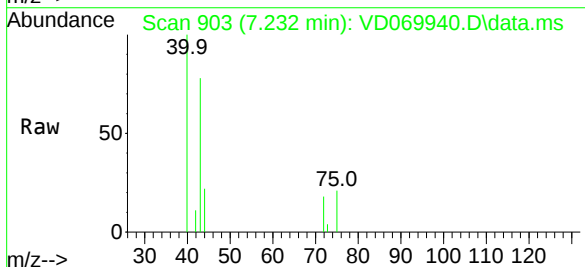
Instrument :
MSVOA_D
ClientSampleId :
20210592-AMENDED-COM-6

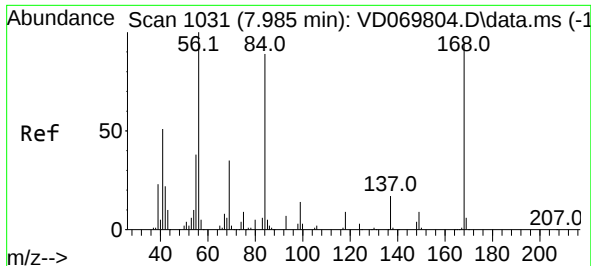
Tgt Ion: 76 Resp: 154434
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9



#25
2-Butanone
Concen: 5.042 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.018 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

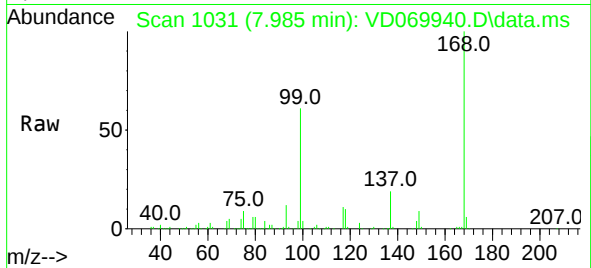
Tgt Ion: 43 Resp: 7427
Ion Ratio Lower Upper
43 100
72 22.9 22.8 34.2



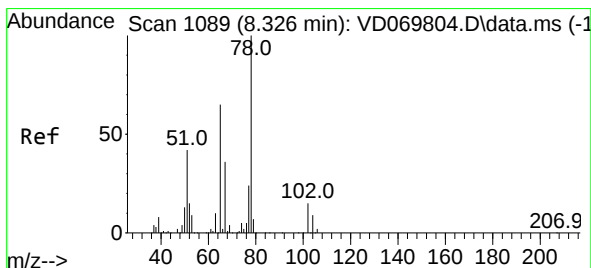
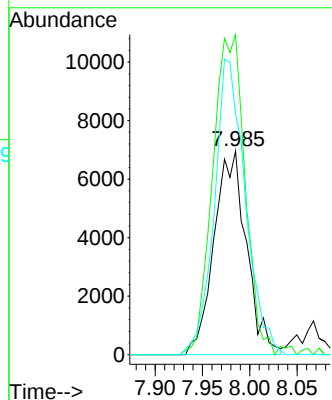
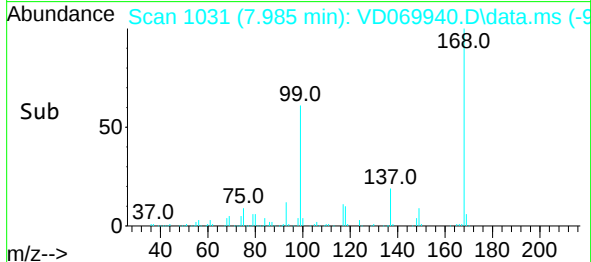


#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

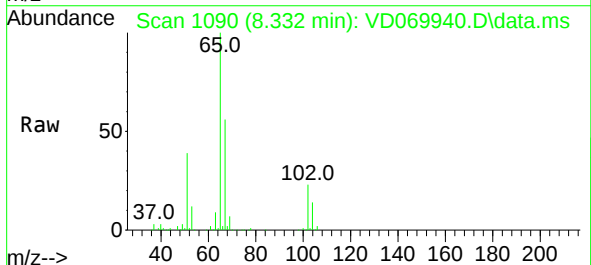
Instrument :
MSVOA_D
ClientSampleId :
20210592-AMENDED-COM-6



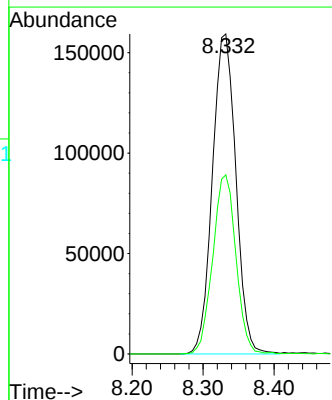
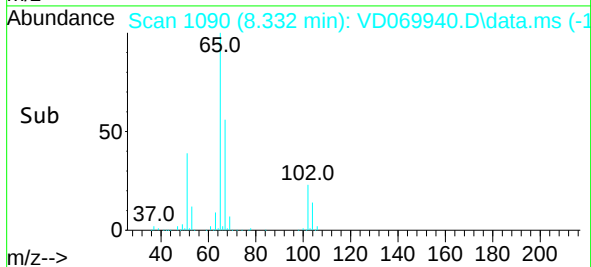
Tgt Ion: 56 Resp: 16571
Ion Ratio Lower Upper
56 100
69 157.1 27.9 41.9#
84 118.1 71.4 107.2#

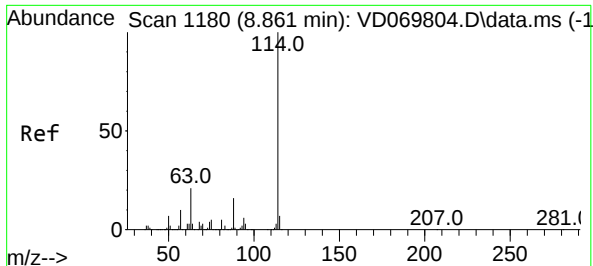


#33
1,2-Dichloroethane-d4
Concen: 60.780 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54



Tgt Ion: 65 Resp: 365453
Ion Ratio Lower Upper
65 100
67 55.3 0.0 111.2



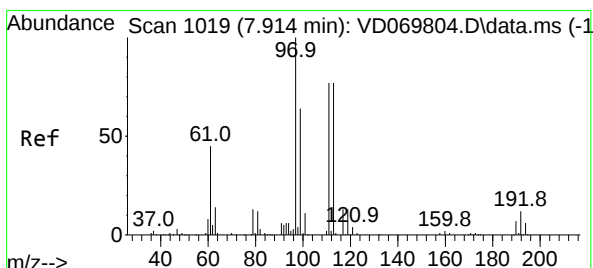
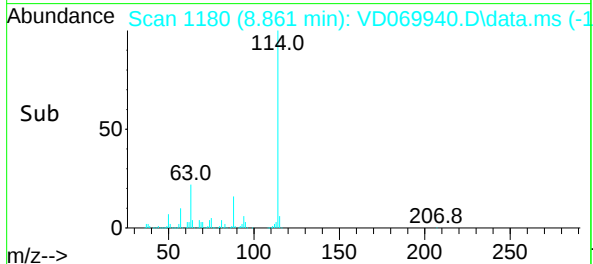
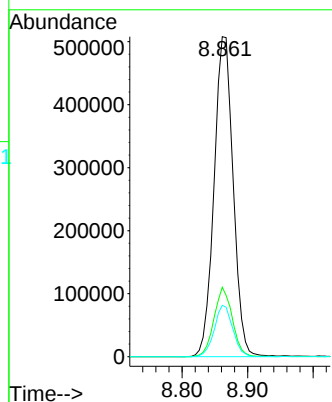
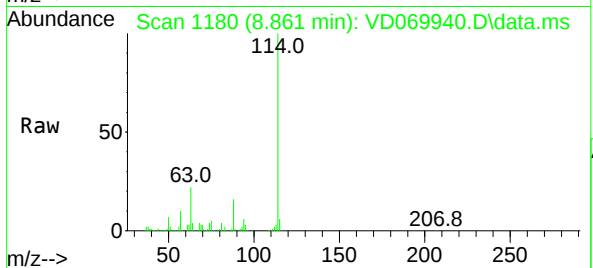


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Instrument :
MSVOA_D
ClientSampleId :
20210592-AMENDED-COM-6

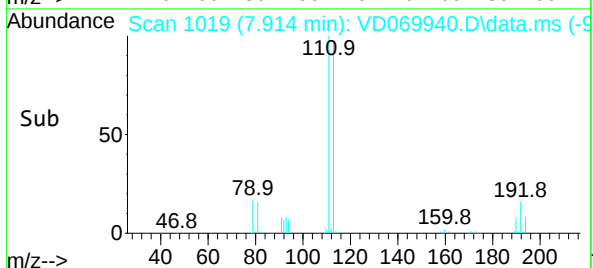
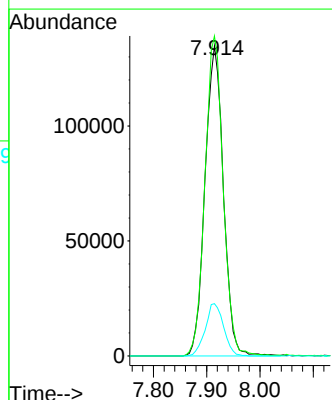
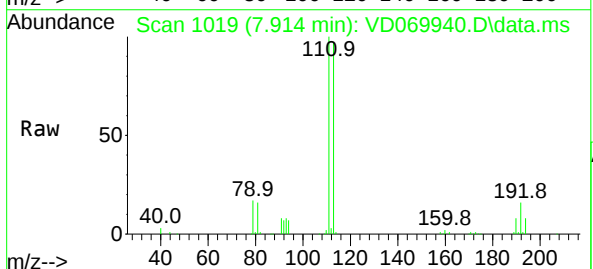
Tgt Ion:114 Resp: 1026476
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.6
88 16.0 0.0 31.4

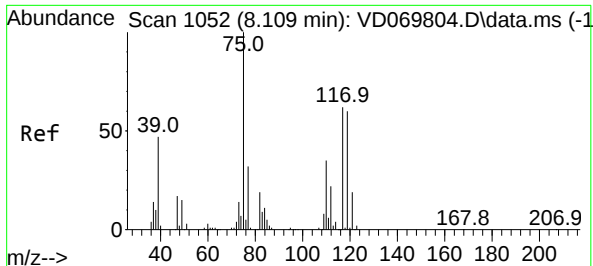


#35

Dibromofluoromethane
Concen: 49.961 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Tgt Ion:113 Resp: 323291
Ion Ratio Lower Upper
113 100
111 102.4 80.5 120.7
192 16.8 12.6 19.0

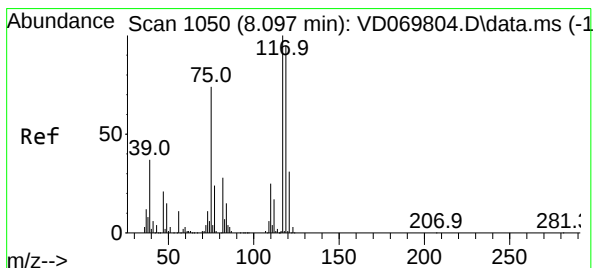
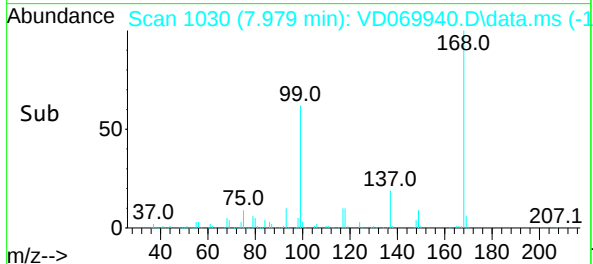
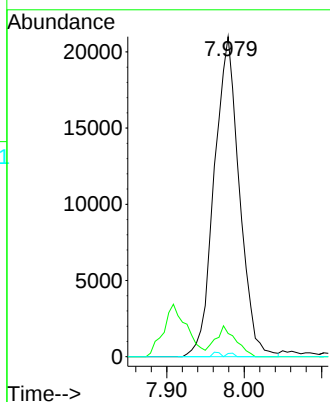
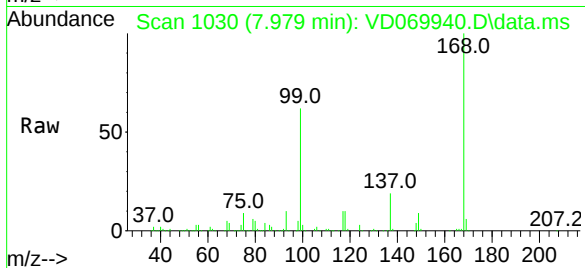




#36
1,1-Dichloropropene
Concen: 4.271 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

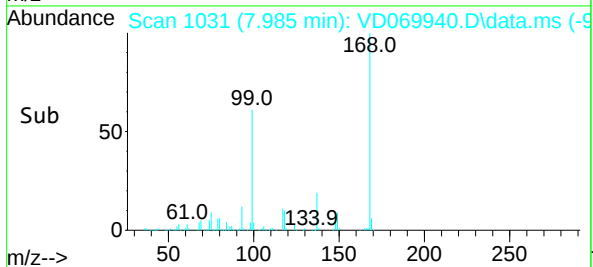
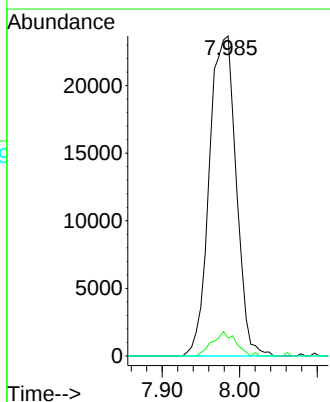
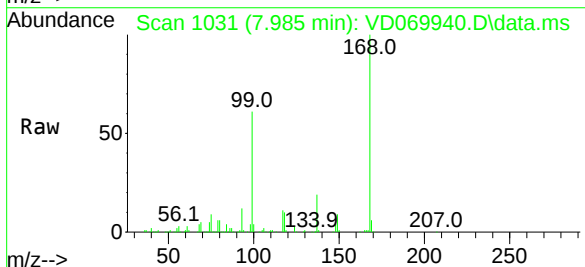
Instrument :
MSVOA_D
ClientSampleId :
20210592-AMENDED-COM-6

Tgt Ion: 75 Resp: 47314
Ion Ratio Lower Upper
75 100
110 7.8 16.9 50.7#
77 0.3 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.620 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Tgt Ion: 117 Resp: 56863
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.773 ug/l

RT: 9.444 min Scan# 1279

Delta R.T. -0.006 min

Lab File: VD069940.D

Acq: 30 Jul 2021 16:54

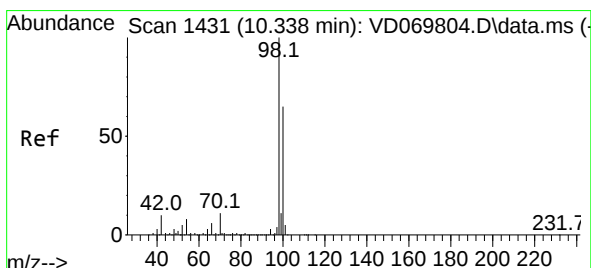
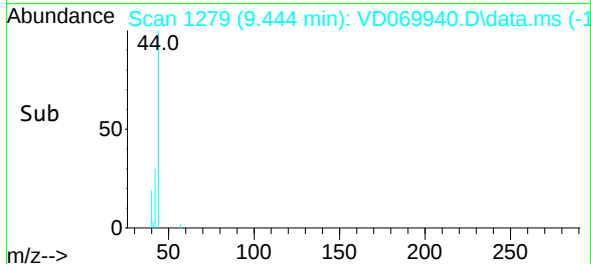
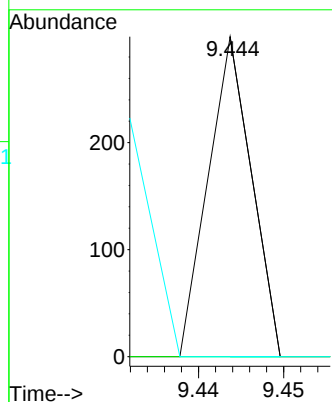
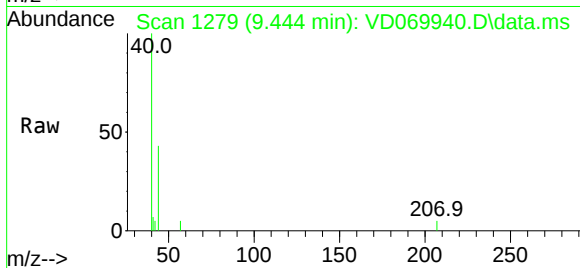
Instrument :

MSVOA_D

ClientSampleId :

20210592-AMENDED-COM-6

Tgt Ion:	41	Resp:	106
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	0.0	36.6	55.0#



#50

Toluene-d8

Concen: 52.021 ug/l

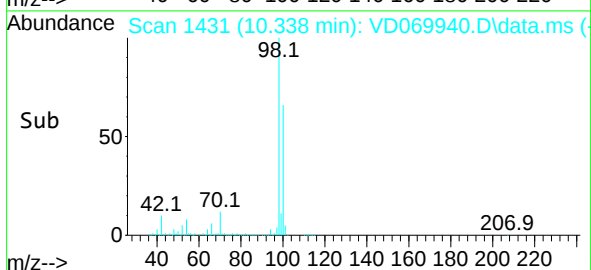
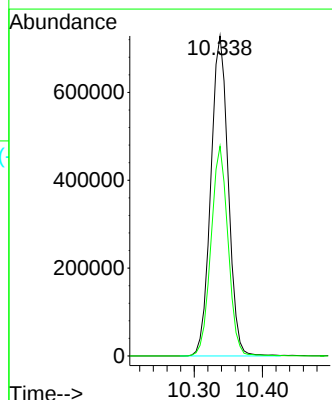
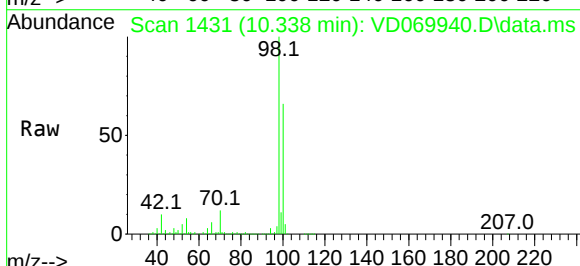
RT: 10.338 min Scan# 1431

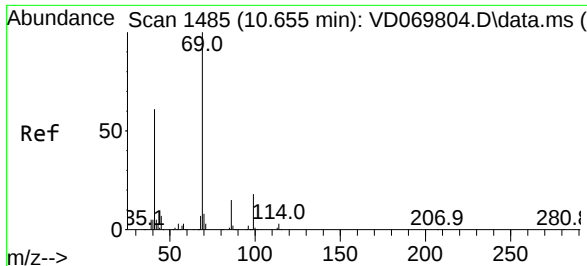
Delta R.T. -0.000 min

Lab File: VD069940.D

Acq: 30 Jul 2021 16:54

Tgt Ion:	98	Resp:	1298003
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.9	77.9

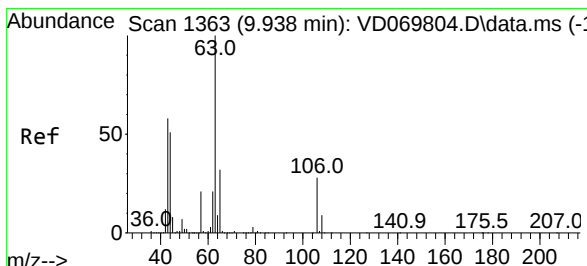
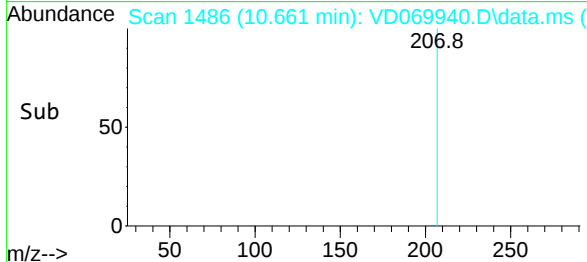
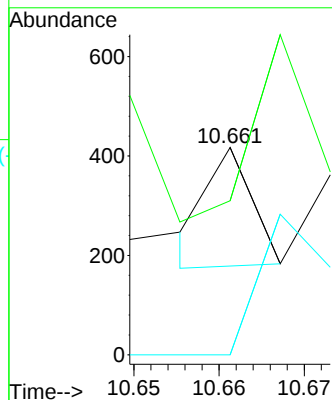
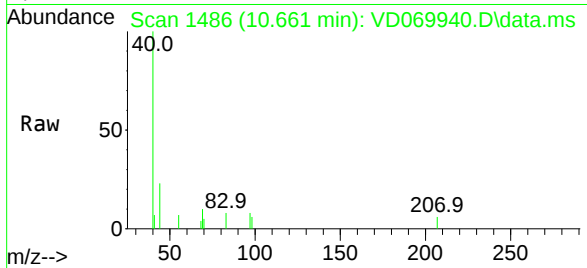




#56
Ethyl methacrylate
Concen: 3.907 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

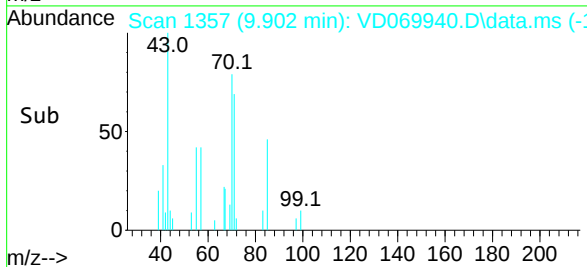
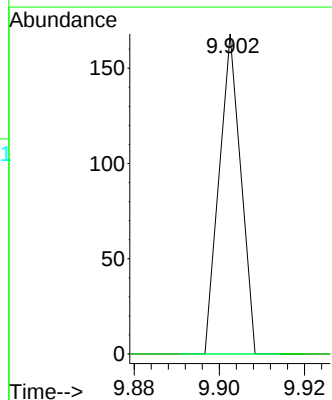
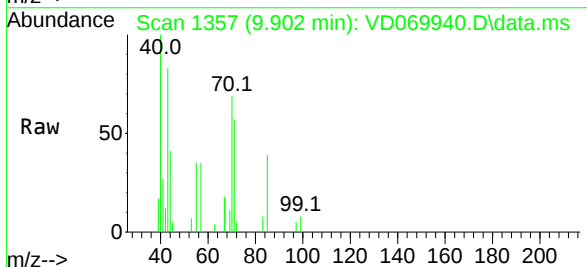
Instrument :
MSVOA_D
ClientSampleId :
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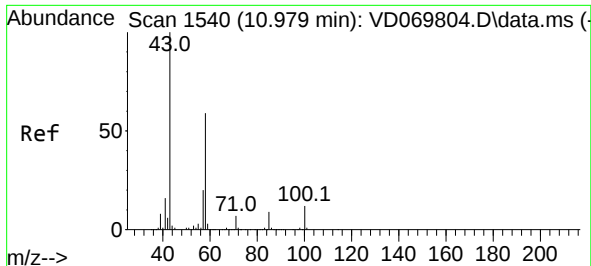
Tgt Ion: 69 Resp: 86
Ion Ratio Lower Upper
69 100
41 1091.9 50.2 75.2#
39 254.7 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.887 ug/l
RT: 9.902 min Scan# 1357
Delta R.T. -0.036 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

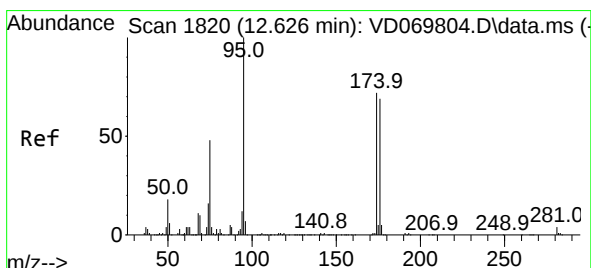
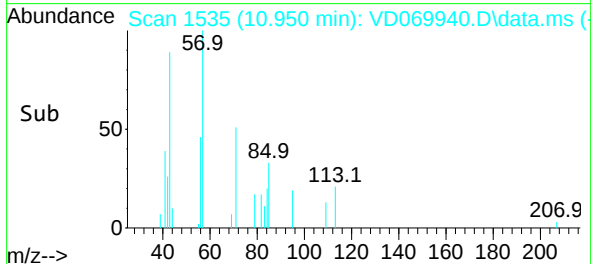
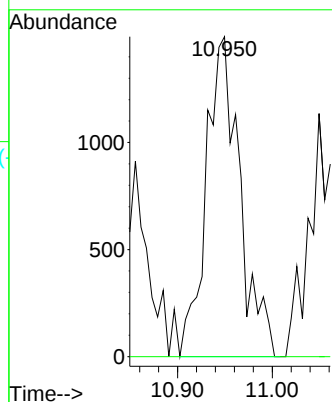
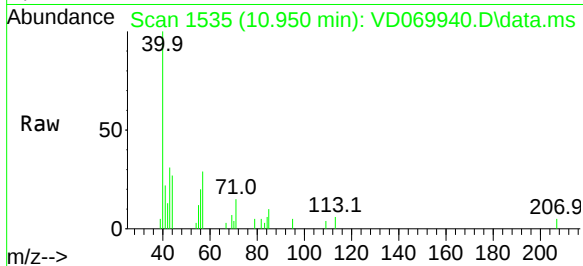




#59
2-Hexanone
Concen: 1.476 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

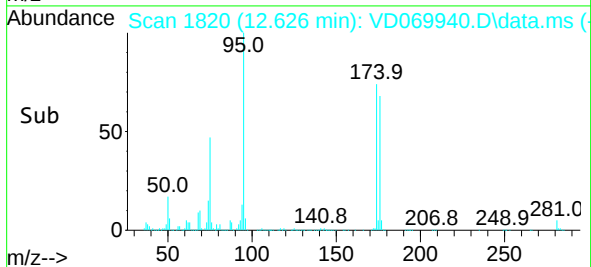
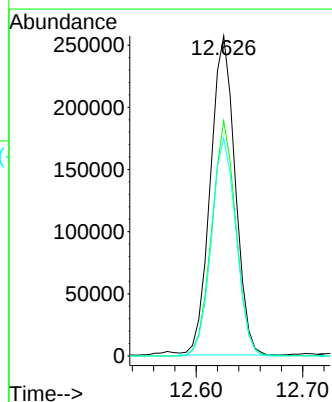
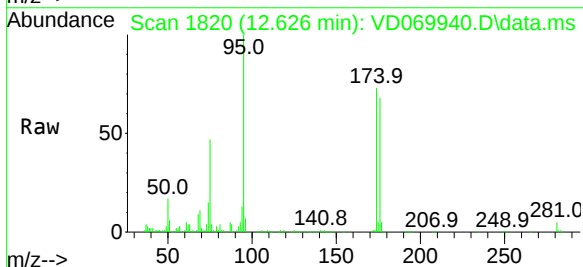
Instrument :
MSVOA_D
ClientSampleId :
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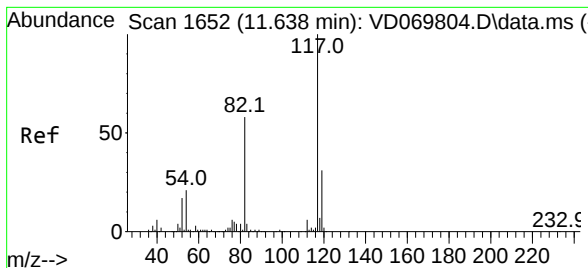
Tgt Ion: 43 Resp: 3674
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#



#62
4-Bromofluorobenzene
Concen: 49.608 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Tgt Ion: 95 Resp: 413674
Ion Ratio Lower Upper
95 100
174 72.0 0.0 142.6
176 68.4 0.0 134.2

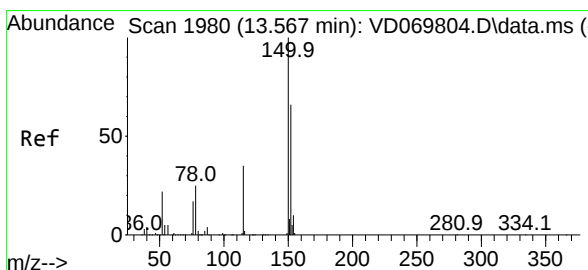
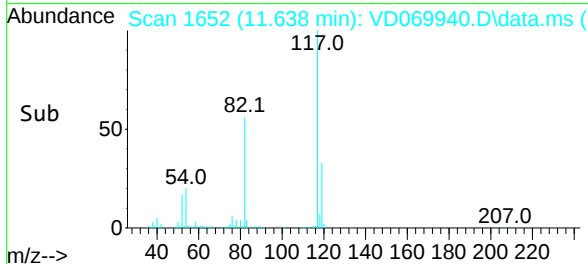
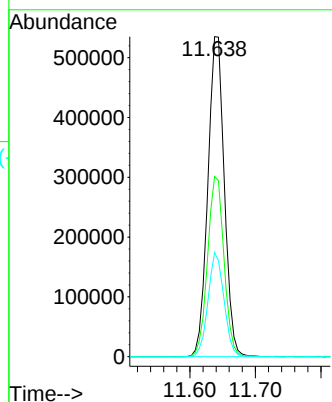
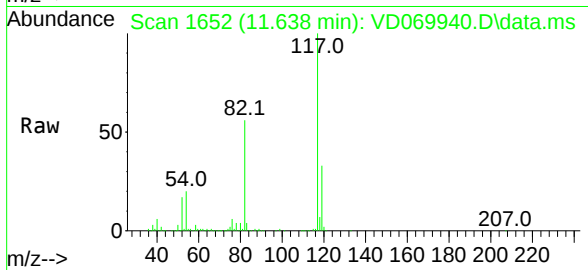




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

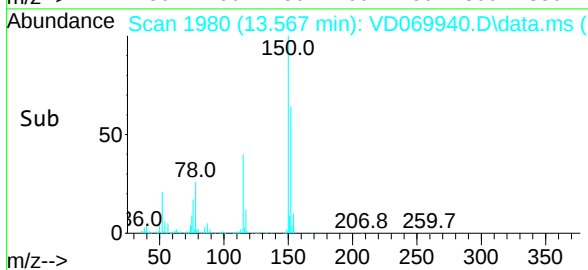
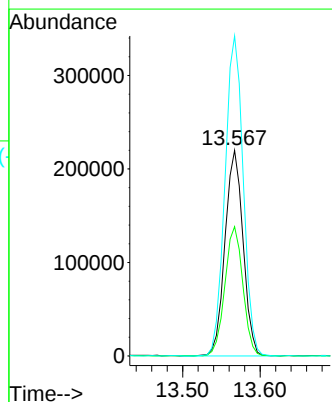
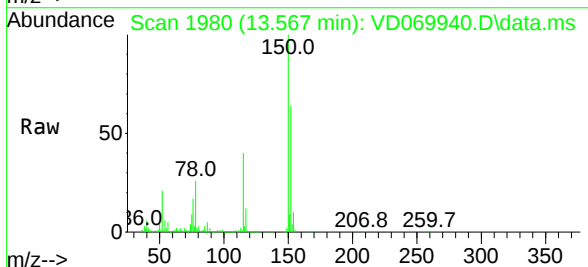
Instrument :
MSVOA_D
ClientSampleId :
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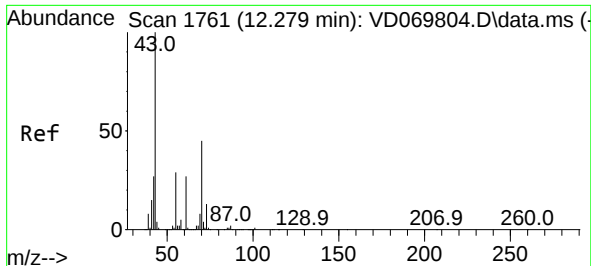
Tgt Ion:117 Resp: 935271
Ion Ratio Lower Upper
117 100
82 56.3 46.3 69.5
119 32.6 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Tgt Ion:152 Resp: 357089
Ion Ratio Lower Upper
152 100
115 62.6 31.1 93.3
150 156.9 0.0 343.0

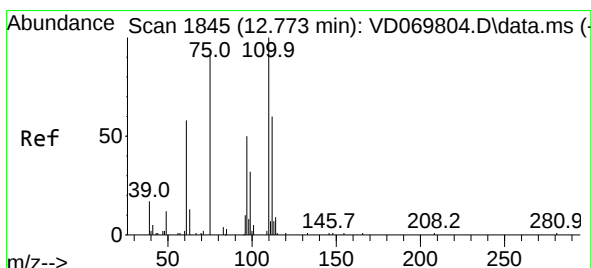
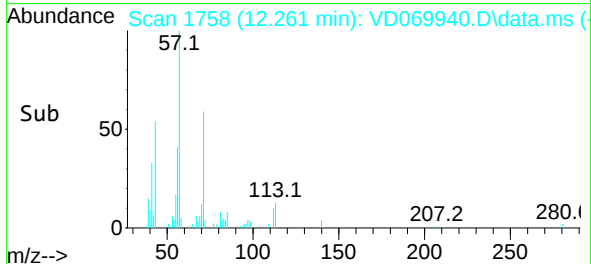
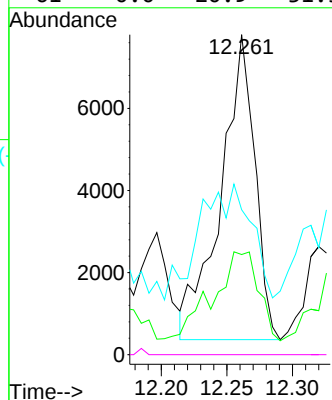
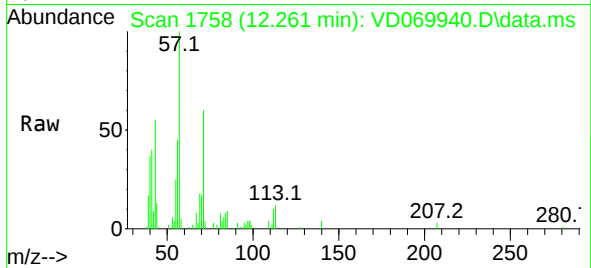




#74
N-amy1 acetate
Concen: 2.550 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

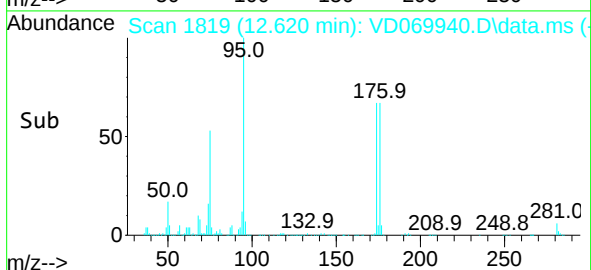
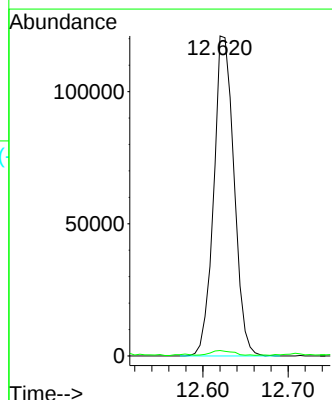
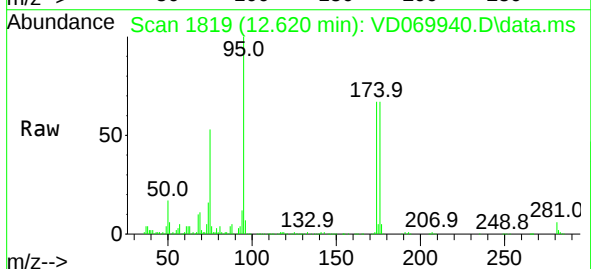
Instrument :
MSVOA_D
ClientSampleId :
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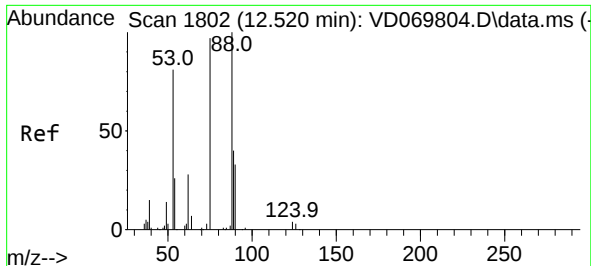
Tgt Ion:	43	Resp:	13457
Ion	Ratio	Lower	Upper
43	100		
70	39.2	37.9	56.9
55	33.1	23.7	35.5
61	0.0	20.9	31.3#



#76
1,2,3-Trichloropropane
Concen: 52.752 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Tgt Ion:	75	Resp:	200226
Ion	Ratio	Lower	Upper
75	100		
77	1.7	181.5	544.5#

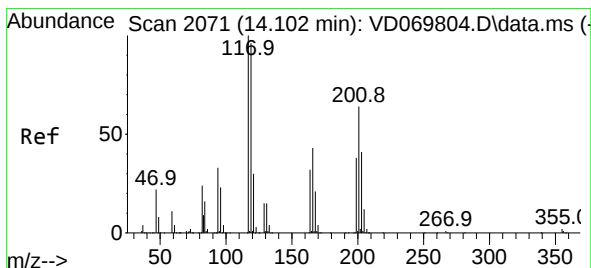
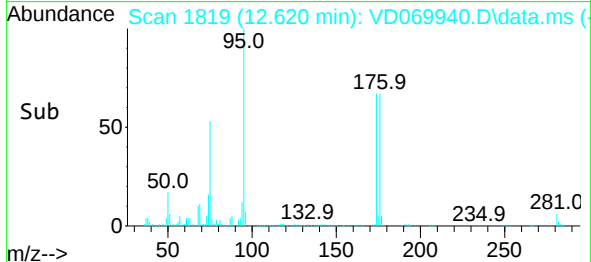
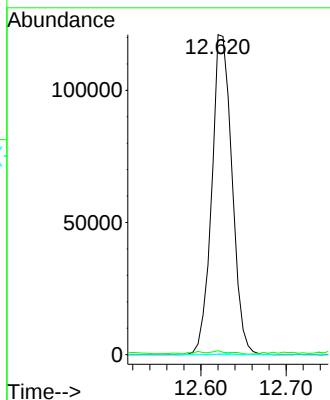
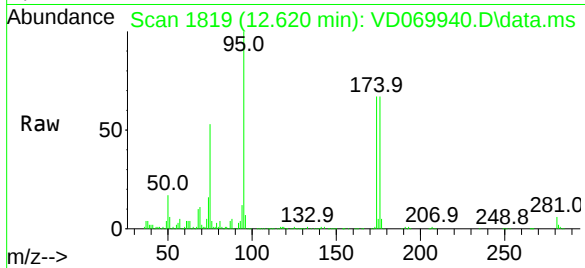




#81
trans-1,4-Dichloro-2-butene
Concen: 160.036 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

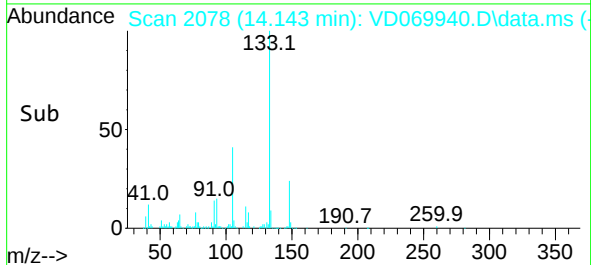
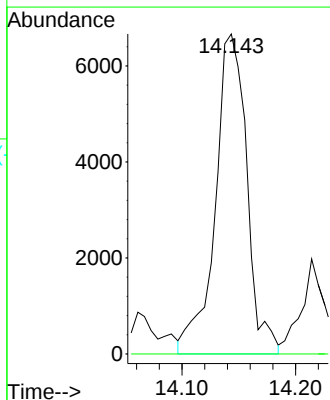
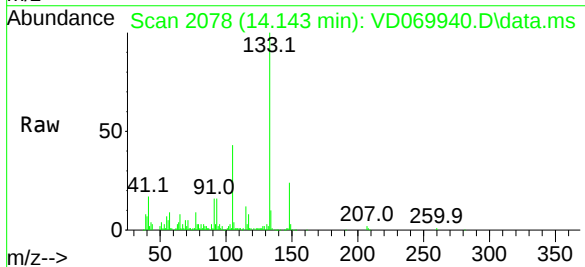
Instrument :
MSVOA_D
ClientSampleId :
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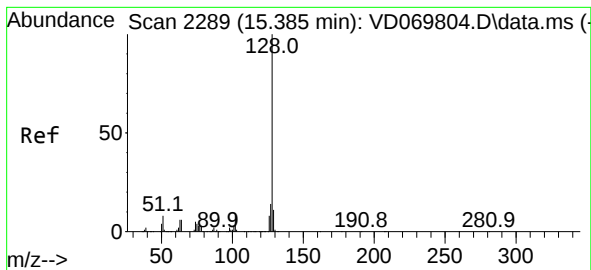
Tgt Ion: 75 Resp: 200226
Ion Ratio Lower Upper
75 100
53 0.9 67.2 100.8#
89 0.2 35.8 53.6#



#90
Hexachloroethane
Concen: 2.657 ug/l
RT: 14.143 min Scan# 2078
Delta R.T. 0.041 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Tgt Ion: 117 Resp: 12897
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.5#





#95
Naphthalene
Concen: 5.323 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069940.D
Acq: 30 Jul 2021 16:54

Instrument :
MSVOA_D
ClientSampleId :
20210592-AMENDED-COM-6

Tgt Ion:128 Resp: 4207
Ion Ratio Lower Upper
128 100
127 20.3 10.6 16.0#
129 5.2 8.6 12.8#

