

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061421\
 Data File : VD069435.D
 Acq On : 14 Jun 2021 19:10
 Operator : VA/SY
 Sample : M2709-07
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 07:30:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

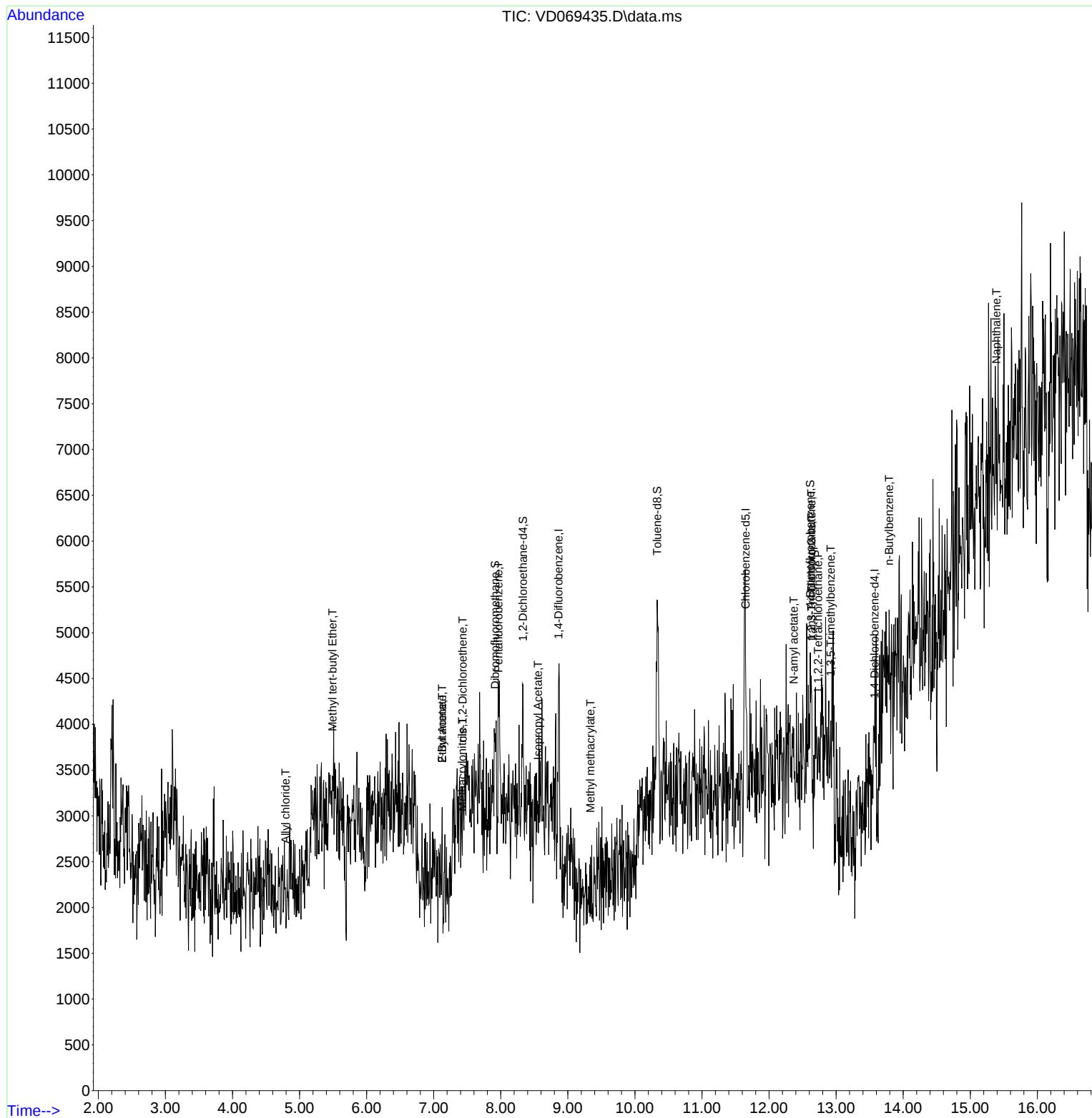
Internal Standards						
1) Pentafluorobenzene	7.967	168	1292	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	2029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	2078	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	196	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	1013	69.50	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.00%	
35) Dibromofluoromethane	7.914	113	606	39.88	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.76%	
50) Toluene-d8	10.332	98	2245	40.39	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 80.78%	
62) 4-Bromofluorobenzene	12.614	95	809	45.36	ug/l	-0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.72%	
Target Compounds						
						Qvalue
14) Allyl chloride	4.791	41	60	3.72	ug/l	# 21
19) Methyl tert-butyl Ether	5.491	73	75	3.00	ug/l	# 57
25) 2-Butanone	7.126	43	71	23.60	ug/l	# 45
27) cis-1,2-Dichloroethene	7.432	96	56	3.22	ug/l	# 1
37) Ethyl Acetate	7.126	43	71	10.04	ug/l	# 67
41) Methacrylonitrile	7.426	41	71	20.19	ug/l	# 11
43) Isopropyl Acetate	8.555	43	81	6.06	ug/l	# 46
48) Methyl methacrylate	9.338	41	62	10.20	ug/l	# 9
74) N-amyl acetate	12.367	43	230	93.04	ug/l	# 51
75) 1,1,2,2-Tetrachloroethane	12.732	83	65	24.57	ug/l	# 25
76) 1,2,3-Trichloropropane	12.632	75	224	112.73	ug/l	# 1
80) 1,3,5-Trimethylbenzene	12.920	105	81	6.97	ug/l	# 28
81) trans-1,4-Dichloro-2-b...	12.632	75	224	300.73	ug/l	# 18
89) n-Butylbenzene	13.790	91	123	10.47	ug/l	# 33
95) Naphthalene	15.390	128	56	11.23	ug/l	# 69

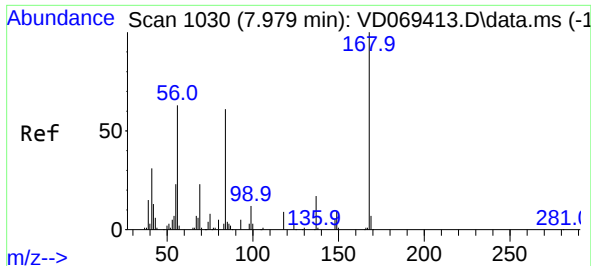
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

Quant Time: Jun 15 07:30:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
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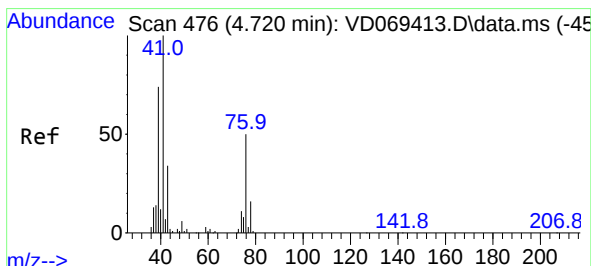
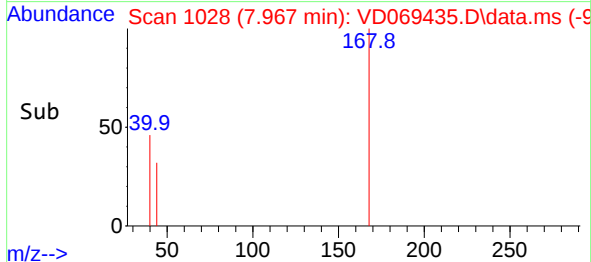
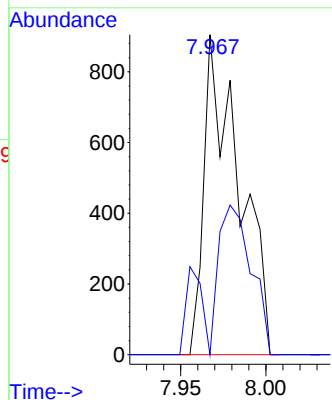
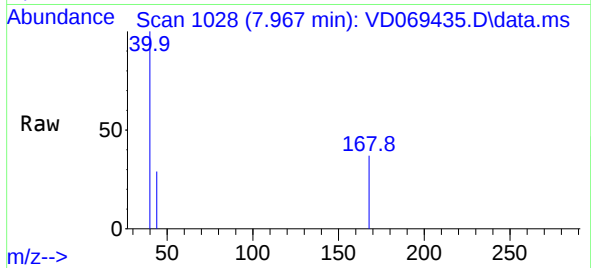




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

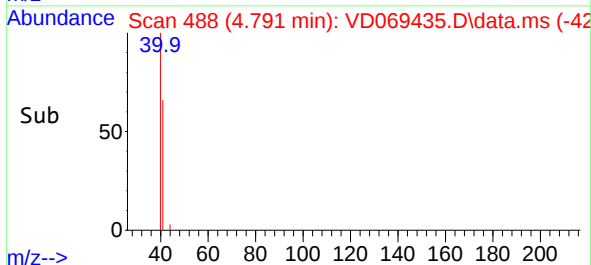
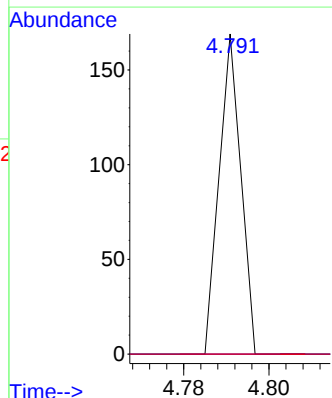
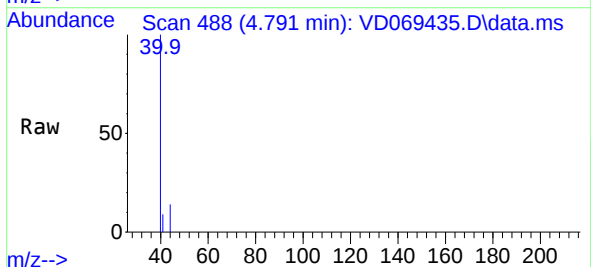
Instrument :
MSVOA_D
ClientSampled :

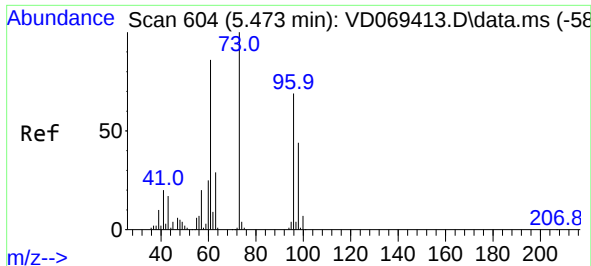
Tgt Ion:168 Resp: 1292
Ion Ratio Lower Upper
168 100
99 0.0 46.2 69.2#



#14
Allyl chloride
Concen: 3.72 ug/l
RT: 4.791 min Scan# 488
Delta R.T. 0.071 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 0.0 56.1 84.1#
76 0.0 37.9 56.9#

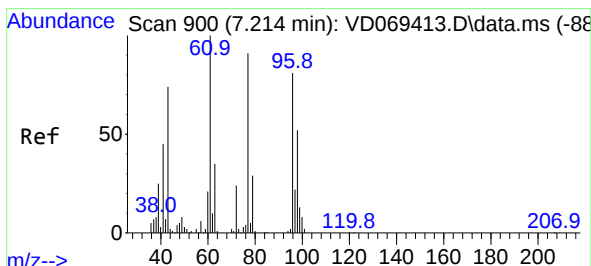
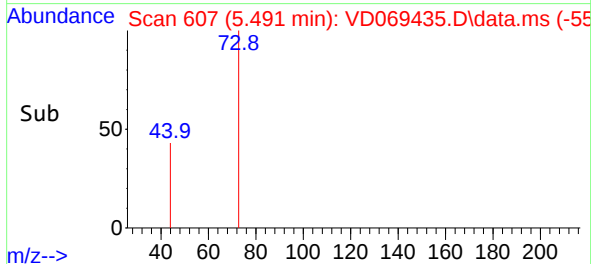
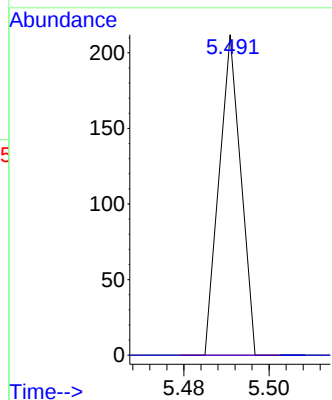
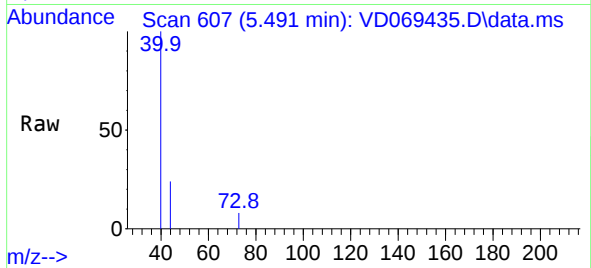




#19
Methyl tert-butyl Ether
Concen: 3.00 ug/l
RT: 5.491 min Scan# 607
Delta R.T. 0.018 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

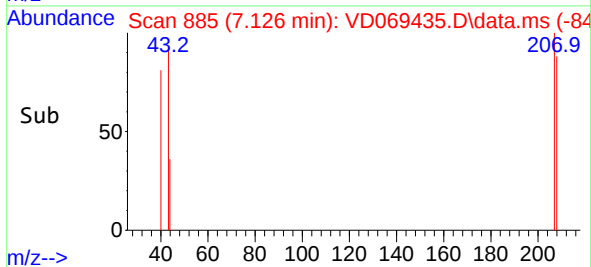
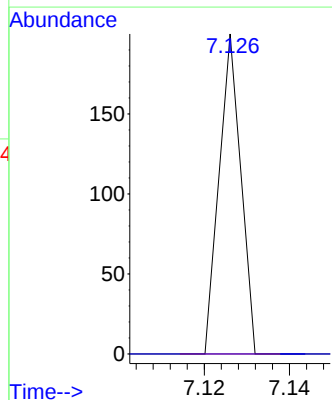
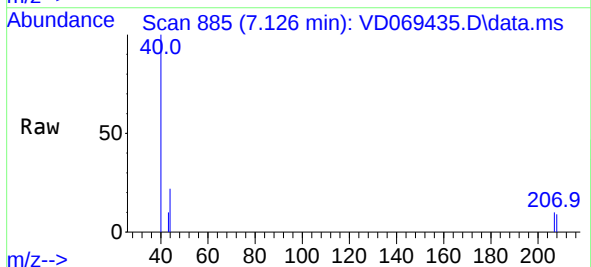
Instrument :
MSVOA_D
ClientSampled :

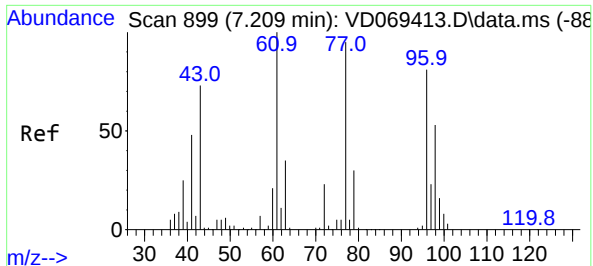
Tgt Ion: 73 Resp: 75
Ion Ratio Lower Upper
73 100
57 0.0 15.7 23.5#



#25
2-Butanone
Concen: 23.60 ug/l
RT: 7.126 min Scan# 885
Delta R.T. -0.088 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#





#27

cis-1,2-Dichloroethene

Concen: 3.22 ug/l

RT: 7.432 min Scan# 937

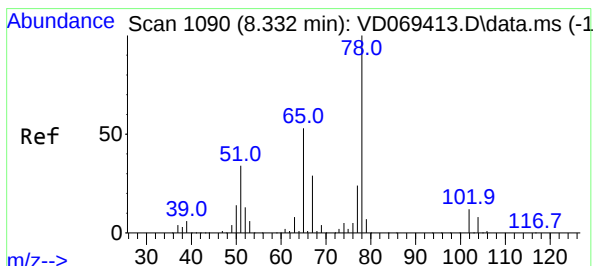
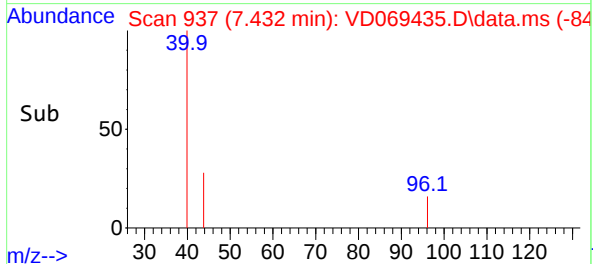
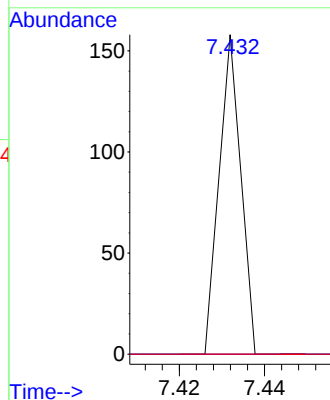
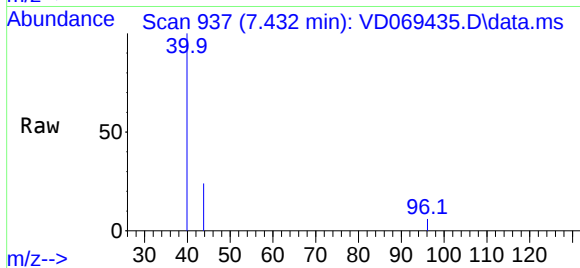
Delta R.T. 0.223 min

Lab File: VD069435.D

Acq: 14 Jun 2021 19:10

Tgt Ion: 96 Resp: 56

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	265.6
98	0.0	0.0	129.0



#33

1,2-Dichloroethane-d4

Concen: 69.50 ug/l

RT: 8.332 min Scan# 1090

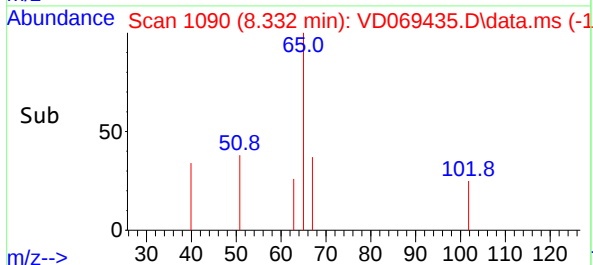
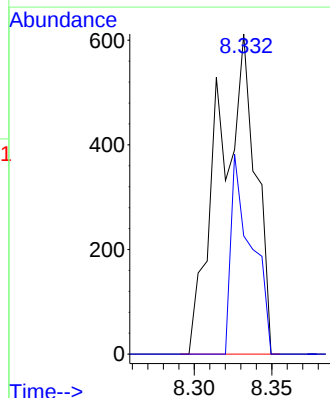
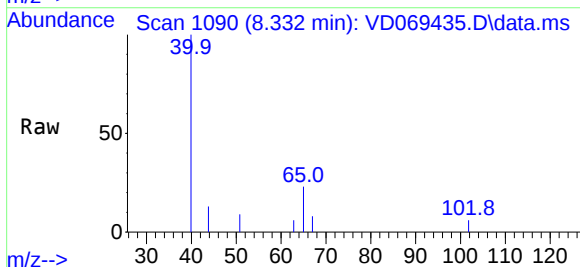
Delta R.T. -0.000 min

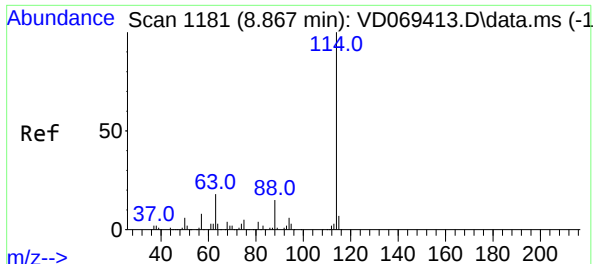
Lab File: VD069435.D

Acq: 14 Jun 2021 19:10

Tgt Ion: 65 Resp: 1013

Ion	Ratio	Lower	Upper
65	100		
67	34.6	0.0	105.8



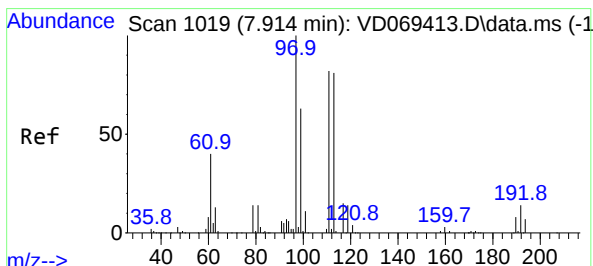
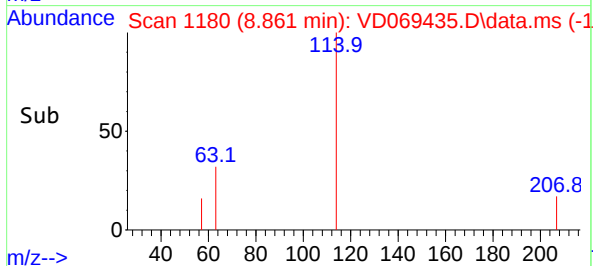
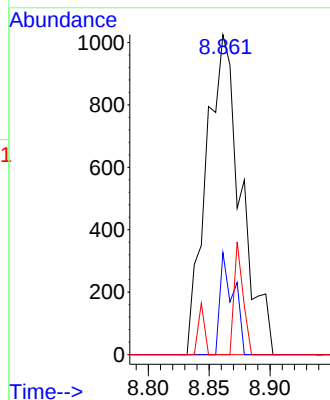
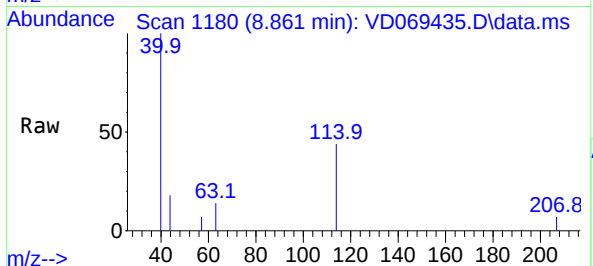


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Instrument :
MSVOA_D
ClientSampled :

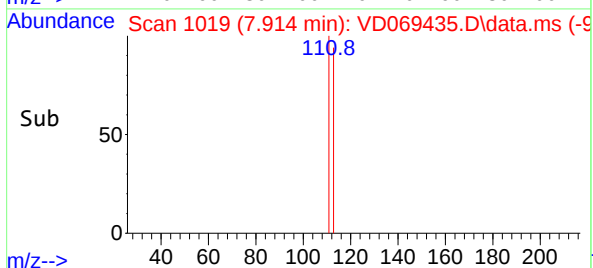
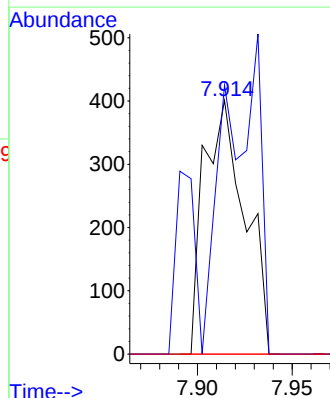
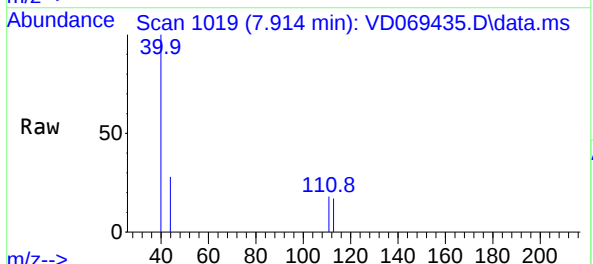
Tgt Ion:	114	Resp:	2029
Ion	Ratio	Lower	Upper
114	100		
63	31.9	0.0	35.6
88	0.0	0.0	31.2

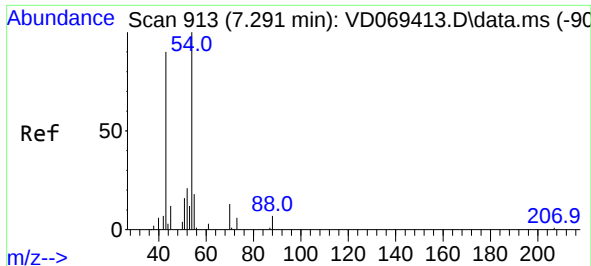


#35

Dibromofluoromethane
Concen: 39.88 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Tgt Ion:	113	Resp:	606
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.6
192	0.0	15.1	22.7





#37

Ethyl Acetate

Concen: 10.04 ug/l

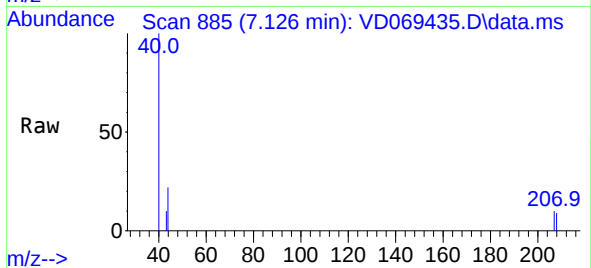
RT: 7.126 min Scan# 885

Delta R.T. -0.165 min

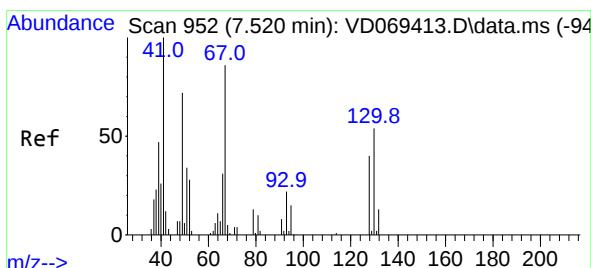
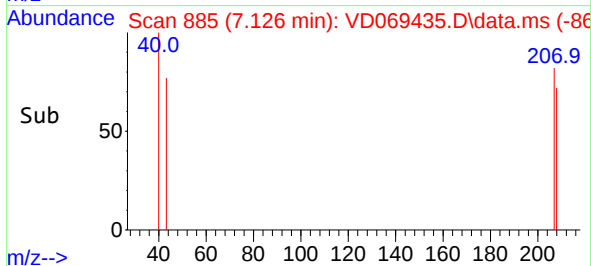
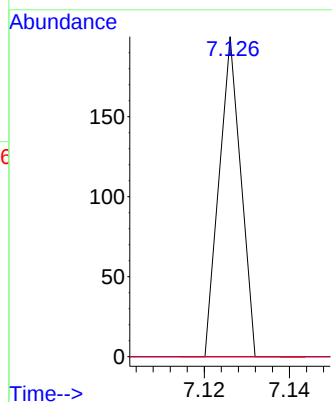
Lab File: VD069435.D

Acq: 14 Jun 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	43	Resp:	71
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	0.0	9.7	14.5#



#41

Methacrylonitrile

Concen: 20.19 ug/l

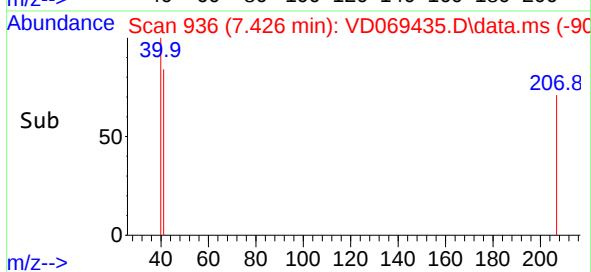
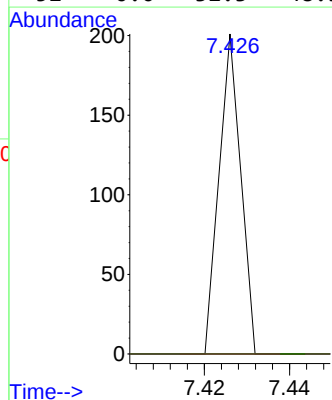
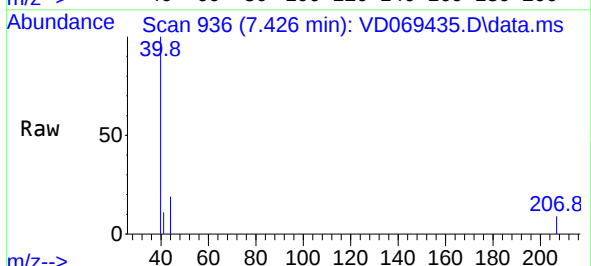
RT: 7.426 min Scan# 936

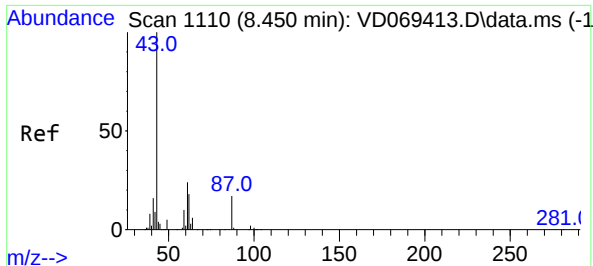
Delta R.T. -0.094 min

Lab File: VD069435.D

Acq: 14 Jun 2021 19:10

Tgt Ion:	41	Resp:	71
Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.6	76.0#
67	0.0	86.2	129.4#
52	0.0	32.3	48.5#

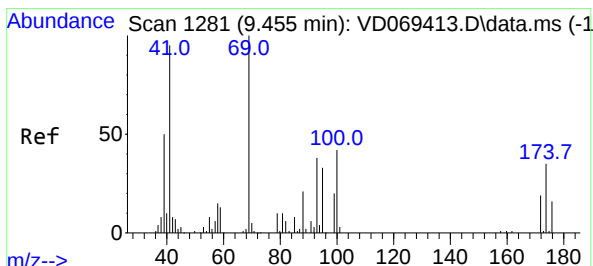
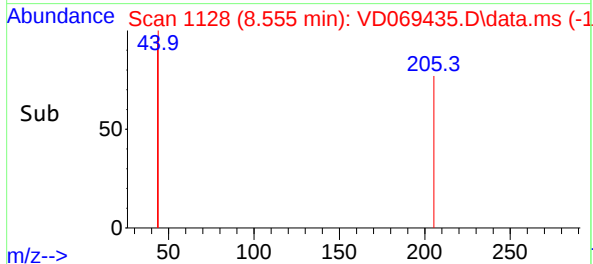
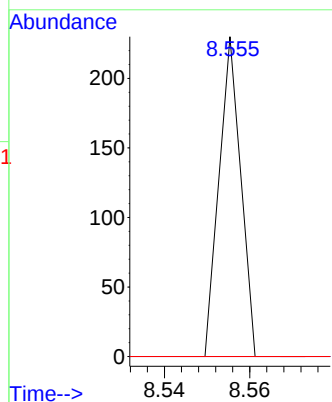
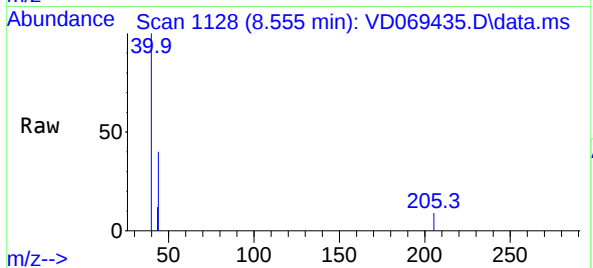




#43
Isopropyl Acetate
Concen: 6.06 ug/l
RT: 8.555 min Scan# 1128
Delta R.T. 0.105 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

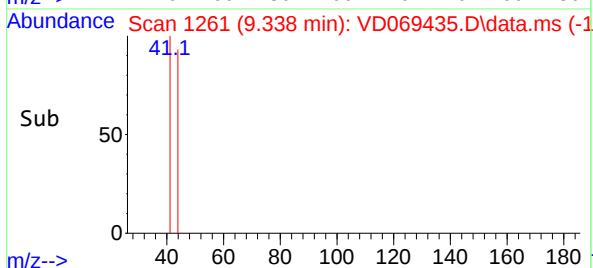
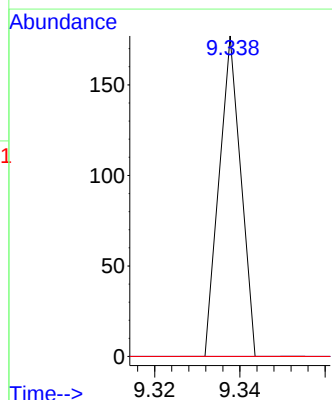
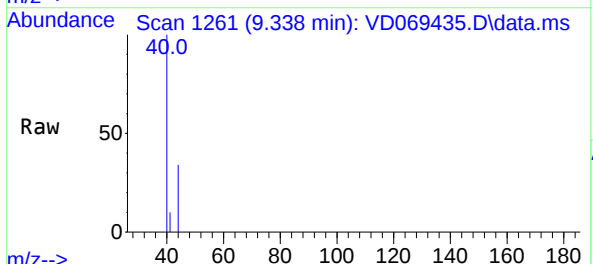
Instrument :
MSVOA_D
ClientSampled :

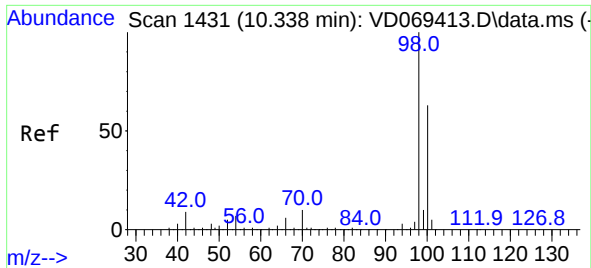
Tgt Ion: 43	Resp: 81
Ion Ratio	Lower Upper
43 100	
61 0.0	29.0 43.6#
87 0.0	12.7 19.1#



#48
Methyl methacrylate
Concen: 10.20 ug/l
RT: 9.338 min Scan# 1261
Delta R.T. -0.117 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Tgt Ion: 41	Resp: 62
Ion Ratio	Lower Upper
41 100	
69 0.0	77.6 116.4#
39 0.0	45.3 67.9#

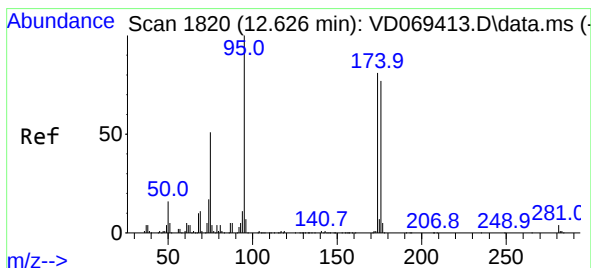
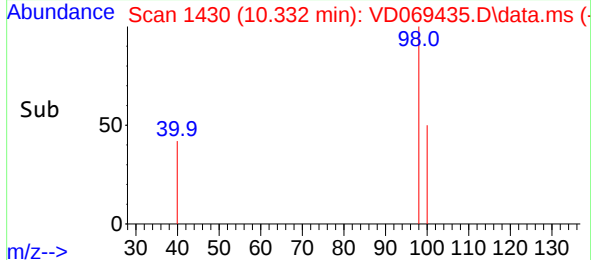
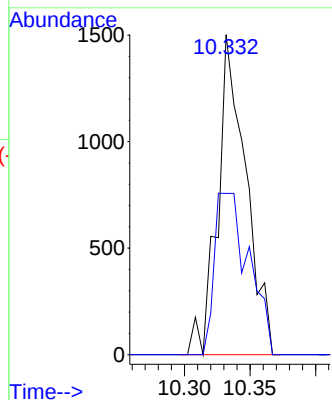
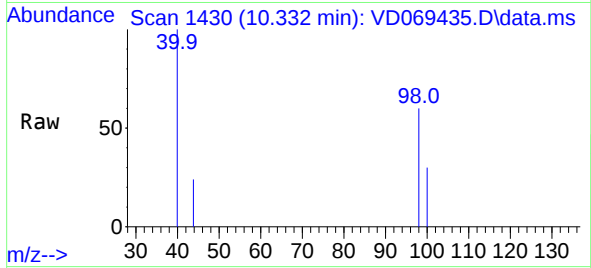




#50
Toluene-d8
Concen: 40.39 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

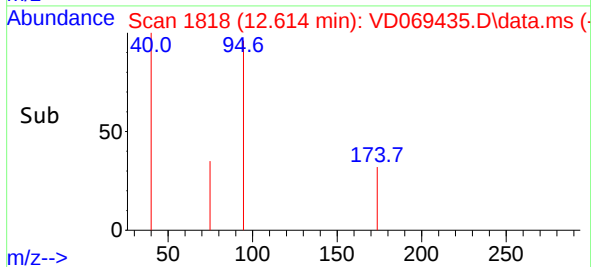
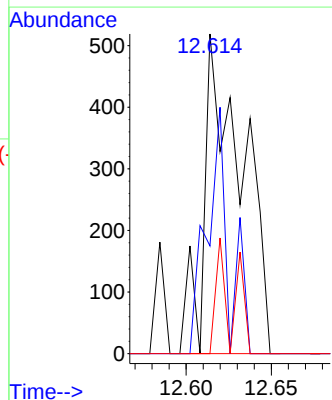
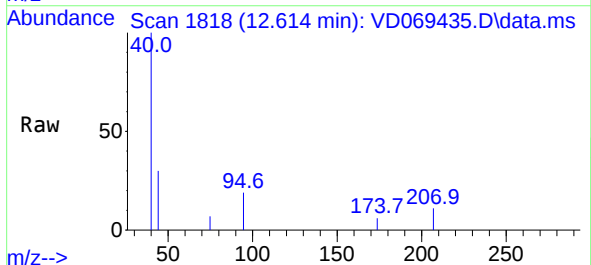
Instrument :
MSVOA_D
ClientSampled :

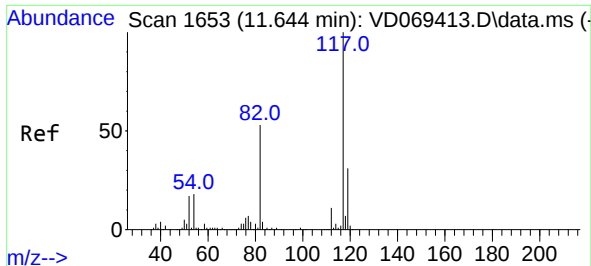
Tgt Ion: 98 Resp: 2245
Ion Ratio Lower Upper
98 100
100 61.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.36 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.012 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Tgt Ion: 95 Resp: 809
Ion Ratio Lower Upper
95 100
174 43.8 0.0 162.8
176 15.5 0.0 154.4

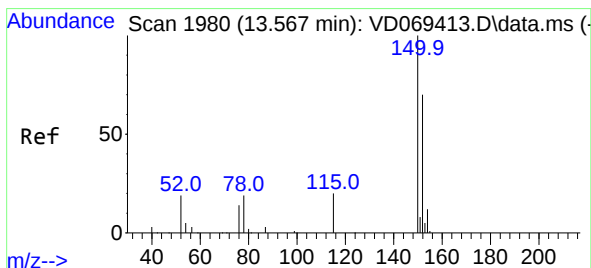
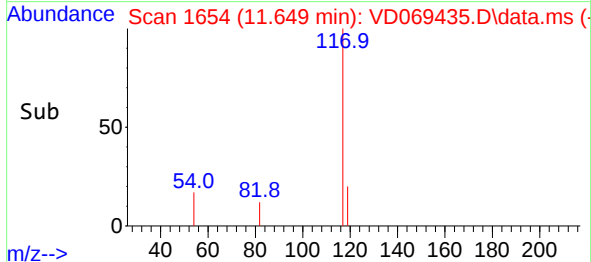
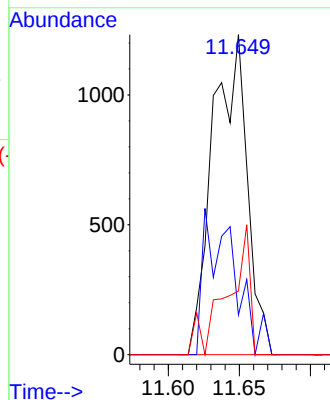
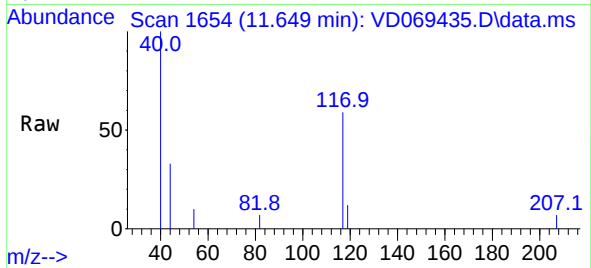




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.005 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

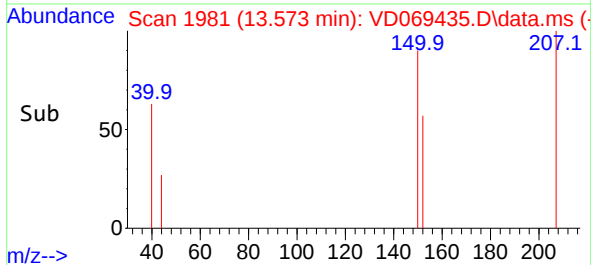
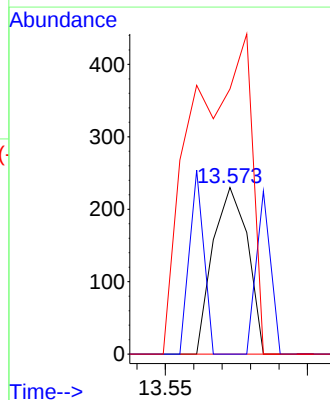
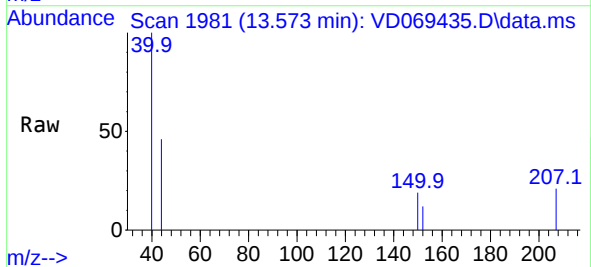
Instrument :
MSVOA_D
ClientSampled :

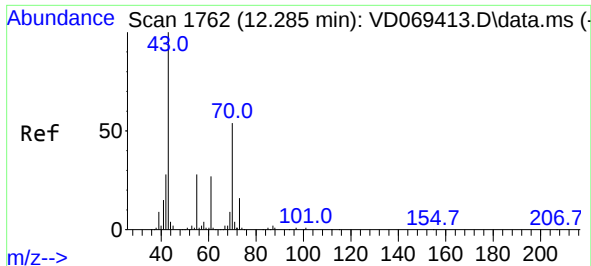
Tgt Ion:	117	Resp:	2078
Ion	Ratio	Lower	Upper
117	100		
82	12.4	43.3	64.9#
119	19.9	25.3	37.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

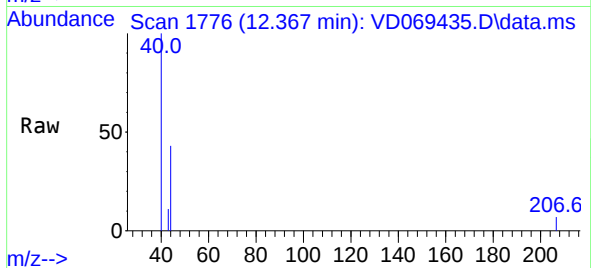
Tgt Ion:	152	Resp:	196
Ion	Ratio	Lower	Upper
152	100		
115	40.3	29.4	88.3
150	318.9	0.0	355.0





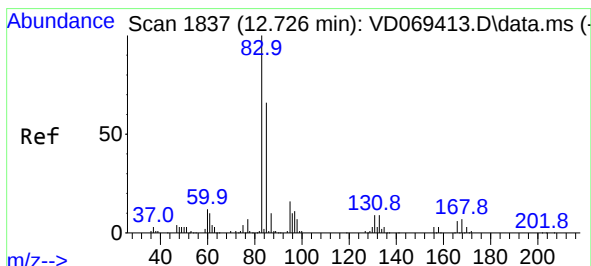
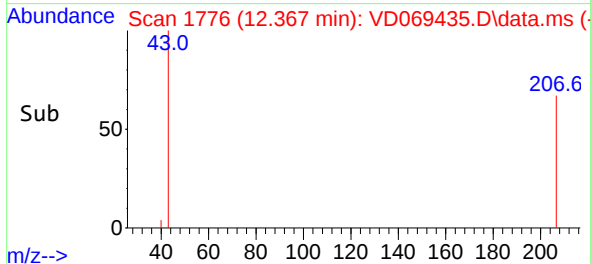
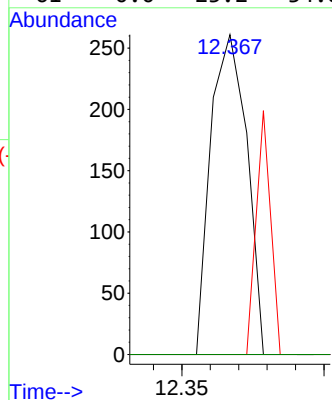
#74
N-amy1 acetate
Concen: 93.04 ug/l
RT: 12.367 min Scan# 1776
Delta R.T. 0.082 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Instrument :
MSVOA_D
ClientSampled :

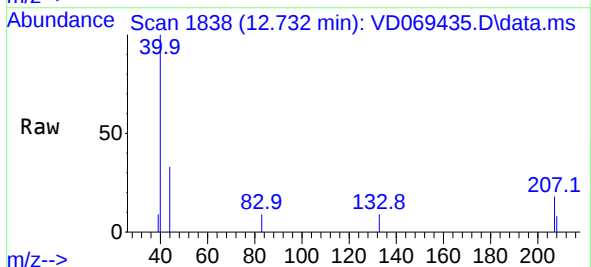


Tgt Ion: 43 Resp: 230

Ion	Ratio	Lower	Upper
43	100		
70	0.0	40.9	61.3#
55	30.4	23.4	35.0
61	0.0	23.2	34.8#

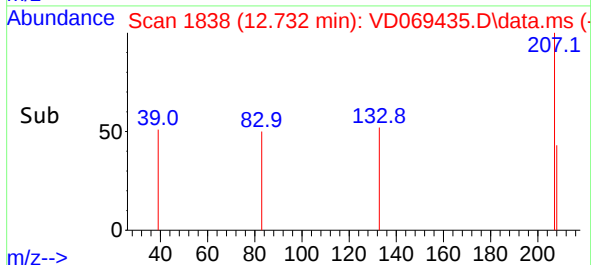
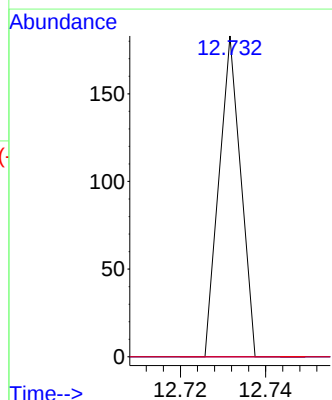


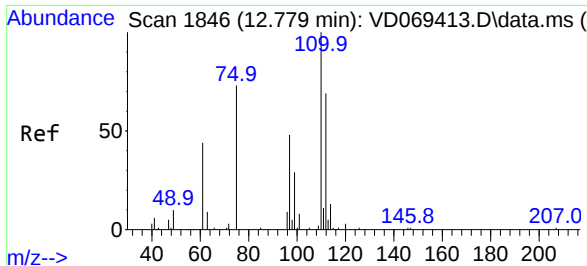
#75
1,1,2,2-Tetrachloroethane
Concen: 24.57 ug/l
RT: 12.732 min Scan# 1838
Delta R.T. 0.006 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10



Tgt Ion: 83 Resp: 65

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	0.0	32.6	98.0#

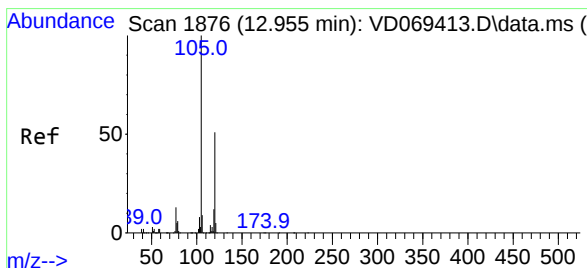
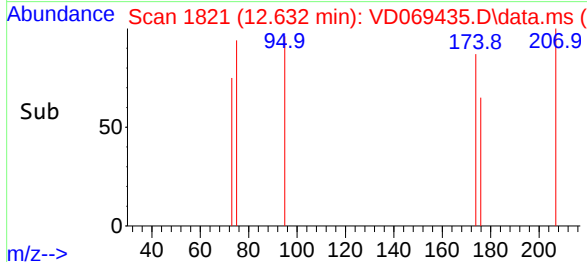
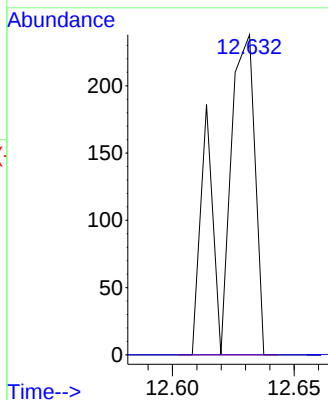
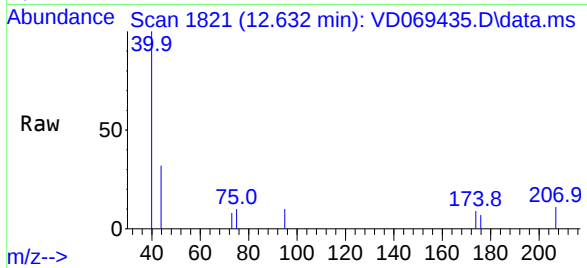




#76
1,2,3-Trichloropropane
Concen: 112.73 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

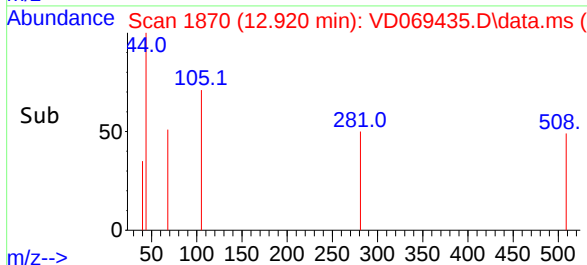
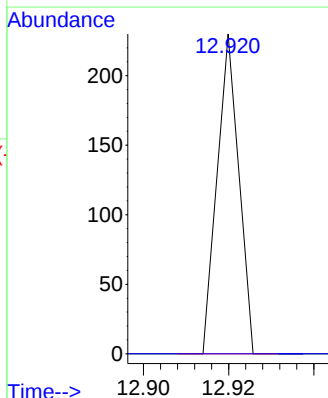
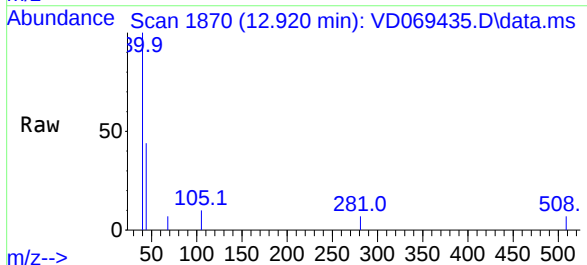
Instrument :
MSVOA_D
ClientSampleId :

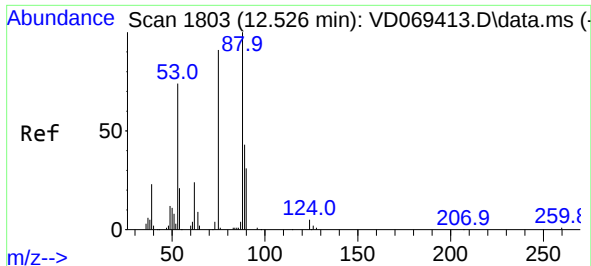
Tgt Ion: 75 Resp: 224
Ion Ratio Lower Upper
75 100
77 0.0 183.8 551.2#



#80
1,3,5-Trimethylbenzene
Concen: 6.97 ug/l
RT: 12.920 min Scan# 1870
Delta R.T. -0.035 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

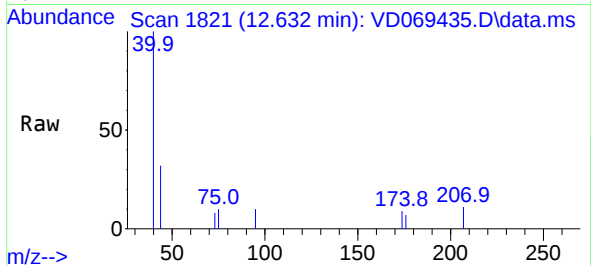
Tgt Ion: 105 Resp: 81
Ion Ratio Lower Upper
105 100
120 0.0 24.9 74.7#



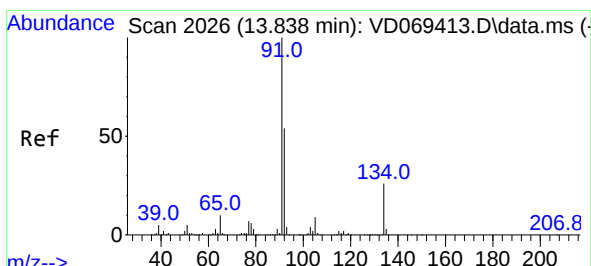
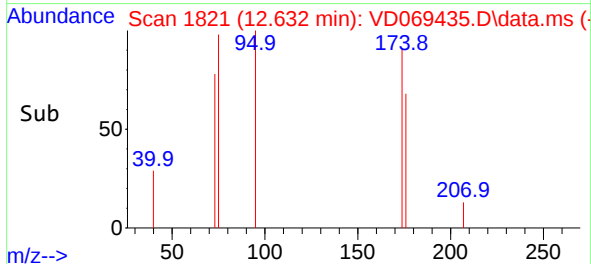
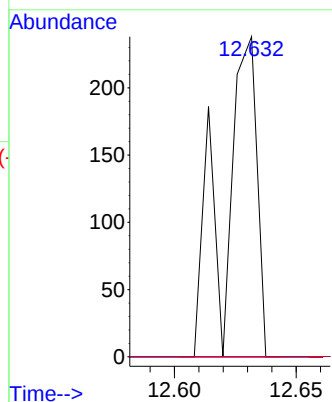


#81
trans-1,4-Dichloro-2-butene
Concen: 300.73 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Instrument :
MSVOA_D
ClientSampled :

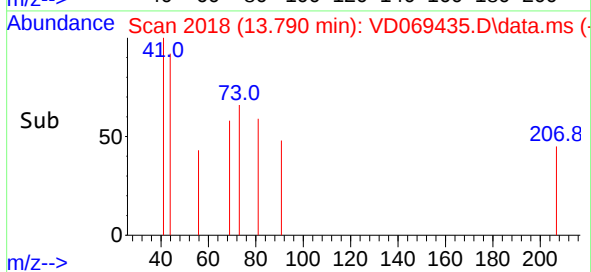
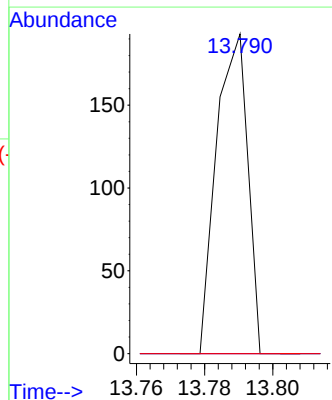
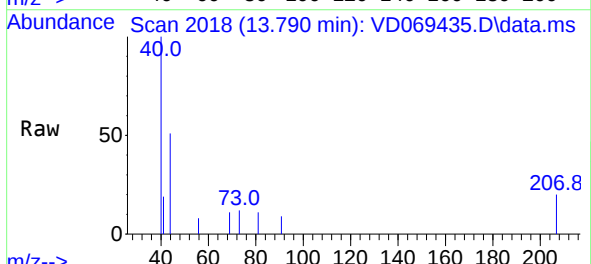


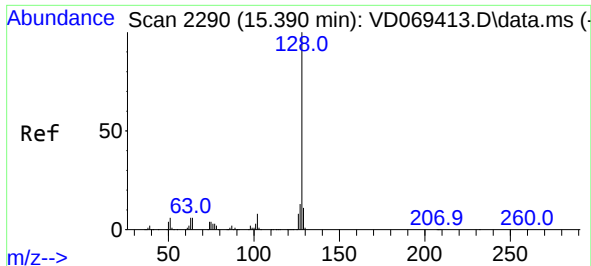
Tgt Ion: 75 Resp: 224
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 35.6 53.4#



#89
n-Butylbenzene
Concen: 10.47 ug/l
RT: 13.790 min Scan# 2018
Delta R.T. -0.048 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Tgt Ion: 91 Resp: 123
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.2#
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 11.23 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069435.D
Acq: 14 Jun 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	56
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

