

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069681.D
 Acq On : 13 Jul 2021 20:24
 Operator : VA/SY
 Sample : M3012-04
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 14 06:08:49 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)

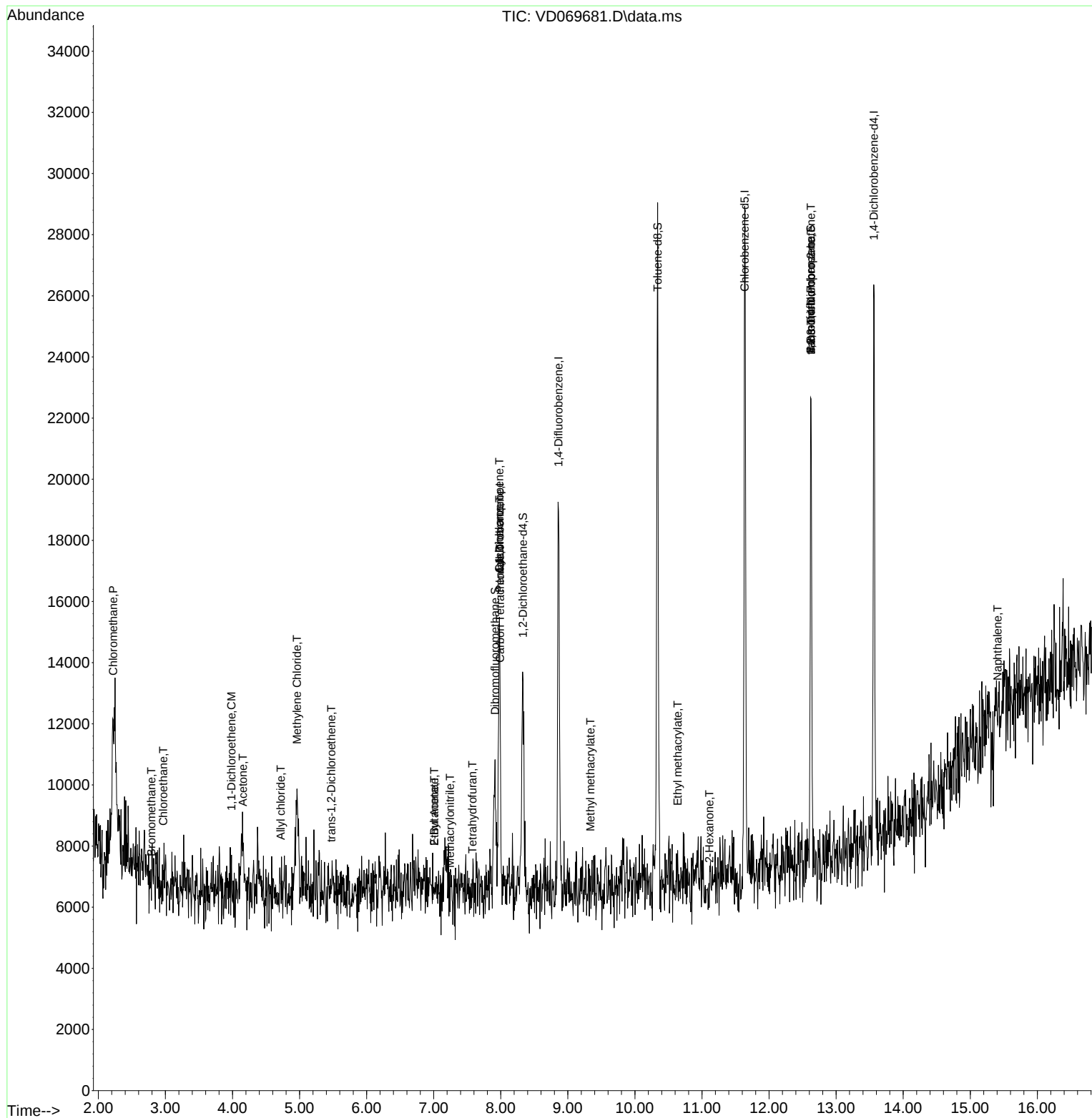
Internal Standards						
1) Pentafluorobenzene	7.985	168	6027	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	11087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	12491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	4423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	4996	66.388	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.780%
35) Dibromofluoromethane	7.914	113	3637	48.897	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.800%
50) Toluene-d8	10.338	98	13971	48.348	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.700%
62) 4-Bromofluorobenzene	12.620	95	5154	53.479	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.960%
Target Compounds						
						Qvalue
3) Chloromethane	2.220	50	367	4.046	ug/l	# 42
5) Bromomethane	2.791	94	192	1.731	ug/l	# 5
6) Chloroethane	2.967	64	60	1.023	ug/l	# 43
12) 1,1-Dichloroethene	3.985	96	66	1.004	ug/l	# 1
14) Allyl chloride	4.720	41	139	1.369	ug/l	# 60
16) Acetone	4.156	43	1855	124.617	ug/l	95
18) Methyl Acetate	4.638	43	55	Below Cal	#	49
20) Methylene Chloride	4.961	84	1619	11.144	ug/l	# 68
21) trans-1,2-Dichloroethene	5.473	96	126	1.605	ug/l	# 1
25) 2-Butanone	7.008	43	68	3.823	ug/l	# 47
29) Tetrahydrofuran	7.579	42	59	5.354	ug/l	# 32
31) Cyclohexane	7.979	56	212	2.047	ug/l	# 47
36) 1,1-Dichloropropene	7.979	75	474	4.144	ug/l	# 42
37) Ethyl Acetate	7.008	43	68	1.572	ug/l	# 67
38) Carbon Tetrachloride	7.991	117	430	4.105	ug/l	# 13
41) Methacrylonitrile	7.244	41	99	4.415	ug/l	# 18
48) Methyl methacrylate	9.338	41	63	2.600	ug/l	# 13
56) Ethyl methacrylate	10.638	69	57	2.393	ug/l	# 28
59) 2-Hexanone	11.108	43	66	2.413	ug/l	# 22
71) Bromoform	12.620	173	87	2.013	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	2252	52.411	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	2252	140.852	ug/l	# 14
95) Naphthalene	15.408	128	59	2.608	ug/l	# 69

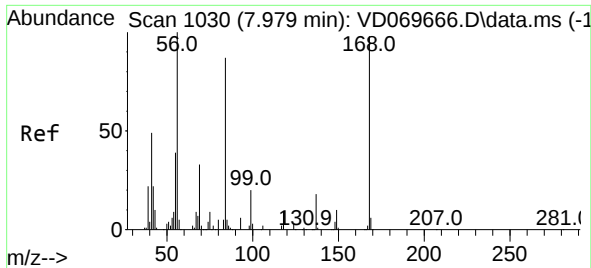
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

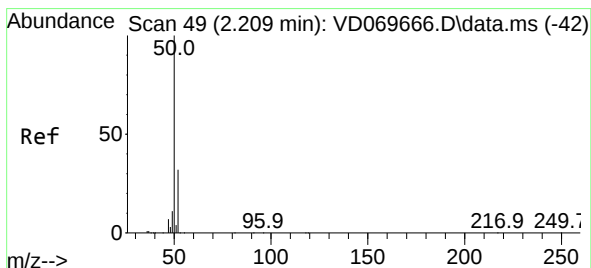
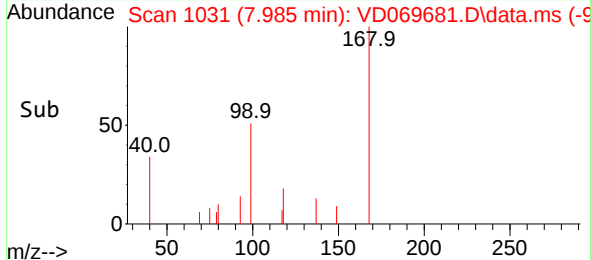
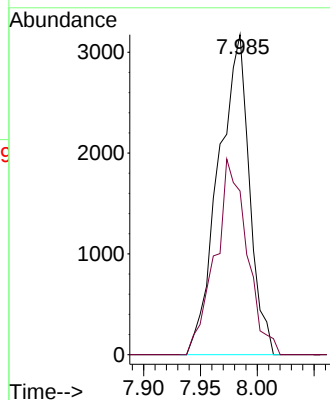
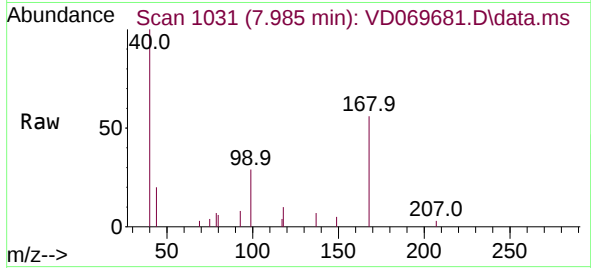




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

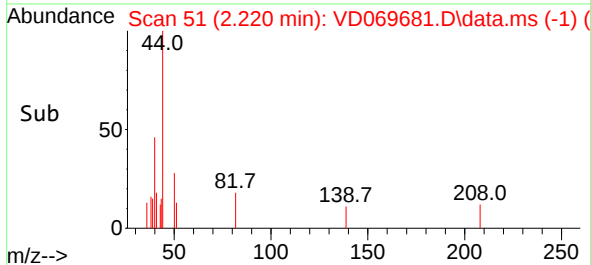
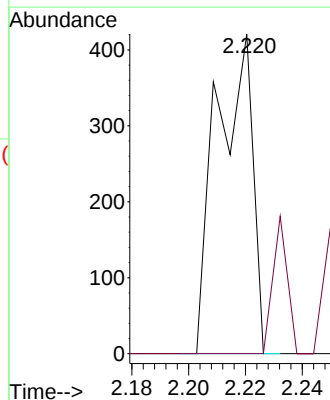
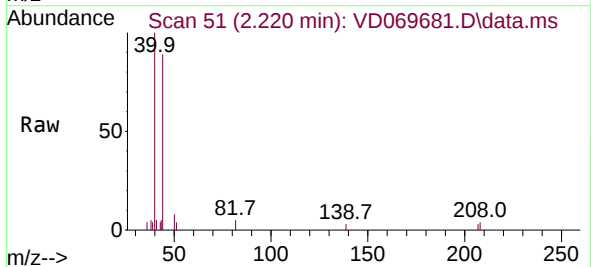
Instrument :
MSVOA_D
ClientSampled :

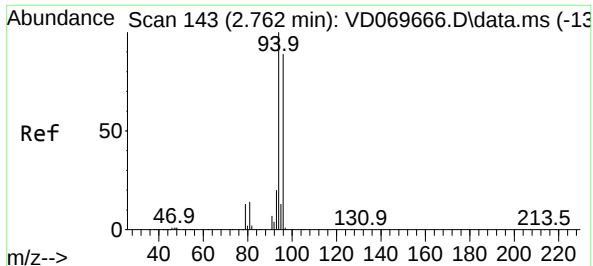
Tgt Ion:168 Resp: 6027
Ion Ratio Lower Upper
168 100
99 51.1 51.8 77.6#



#3
Chloromethane
Concen: 4.046 ug/l
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Tgt Ion: 50 Resp: 367
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

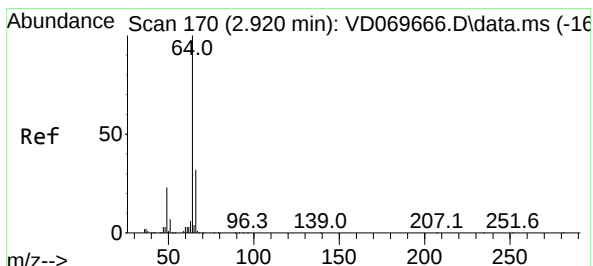
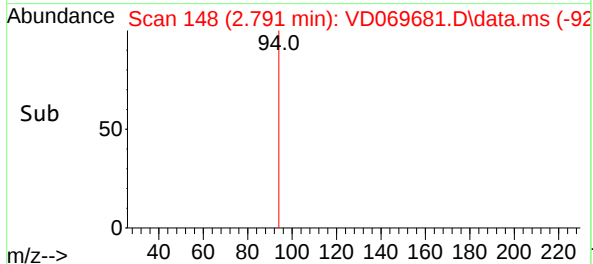
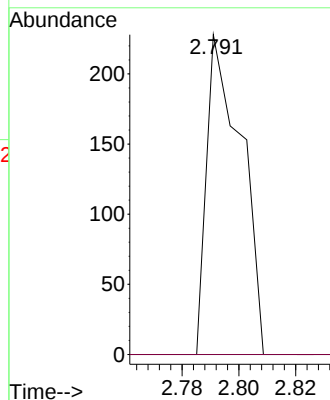
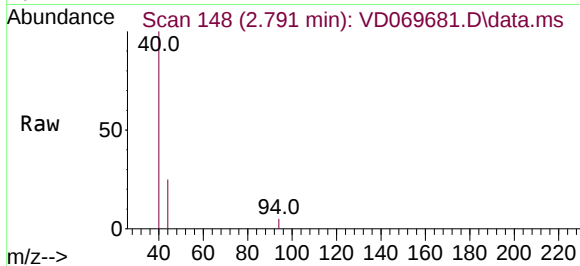




#5
Bromomethane
Concen: 1.731 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

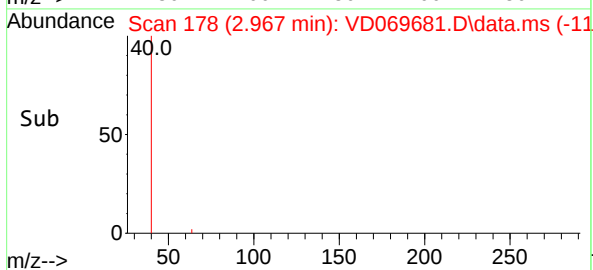
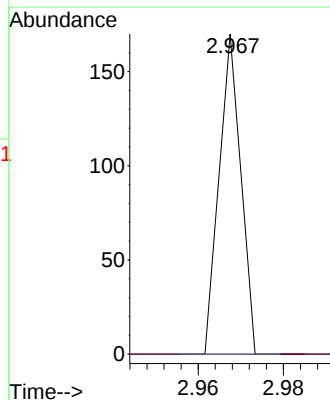
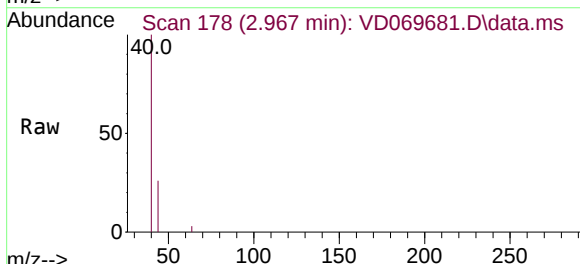
Instrument :
MSVOA_D
ClientSampled :

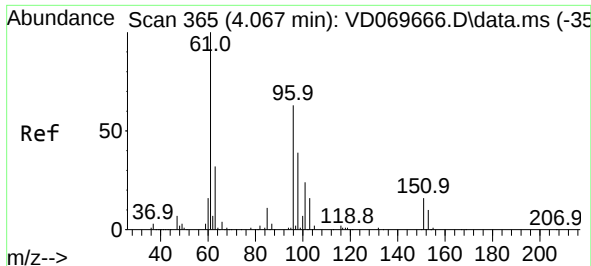
Tgt Ion: 94 Resp: 192
Ion Ratio Lower Upper
94 100
96 0.0 71.2 106.8#



#6
Chloroethane
Concen: 1.023 ug/l
RT: 2.967 min Scan# 178
Delta R.T. 0.047 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#12

1,1-Dichloroethene

Concen: 1.004 ug/l

RT: 3.985 min Scan# 351

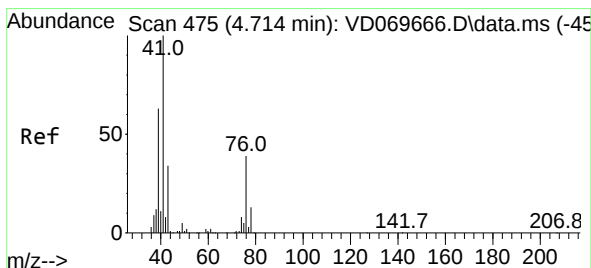
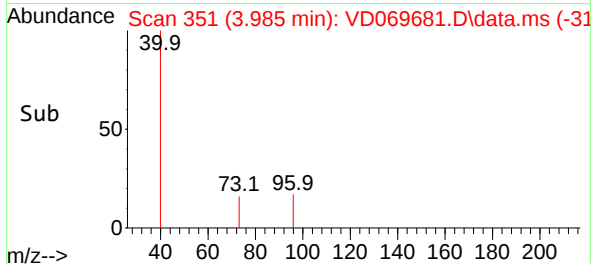
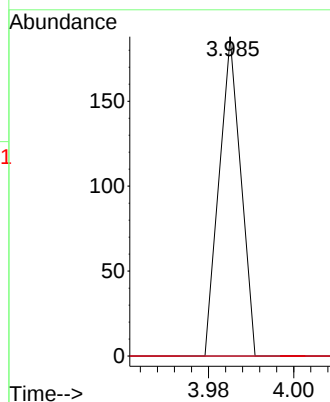
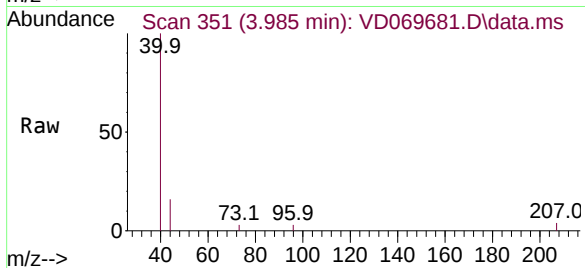
Delta R.T. -0.082 min

Lab File: VD069681.D

Acq: 13 Jul 2021 20:24

Tgt Ion: 96	Resp: 66
Ion Ratio	Lower Upper
96 100	
61 0.0	126.4 189.6#
98 0.0	48.9 73.3#

Instrument :
MSVOA_D
ClientSampleId :



#14

Allyl chloride

Concen: 1.369 ug/l

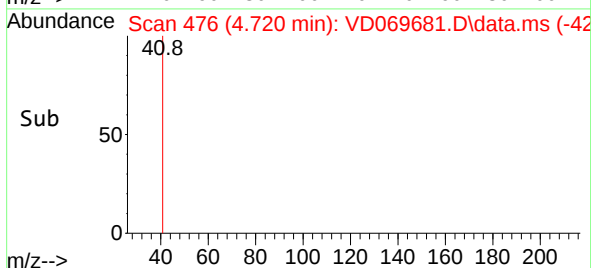
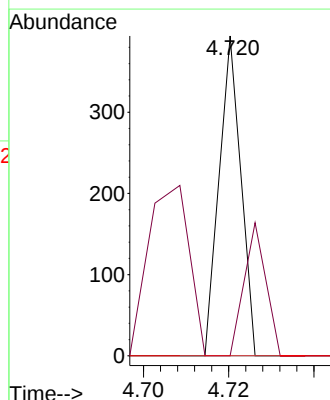
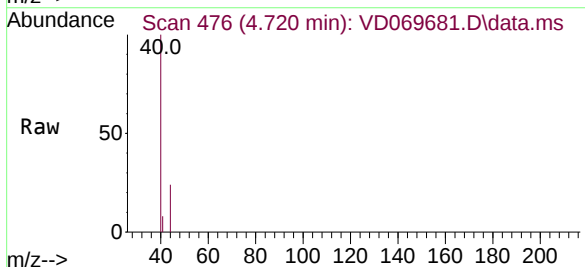
RT: 4.720 min Scan# 476

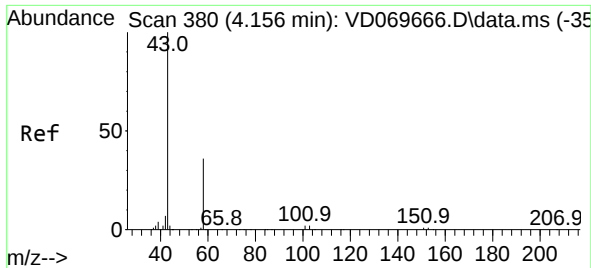
Delta R.T. 0.006 min

Lab File: VD069681.D

Acq: 13 Jul 2021 20:24

Tgt Ion: 41	Resp: 139
Ion Ratio	Lower Upper
41 100	
39 41.7	49.4 74.2#
76 0.0	30.7 46.1#

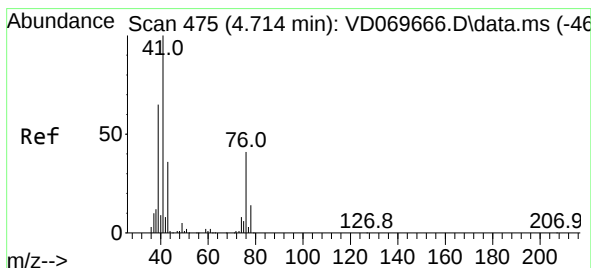
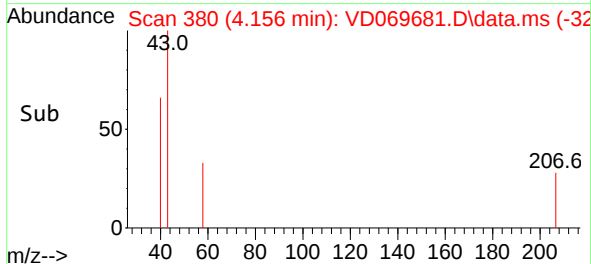
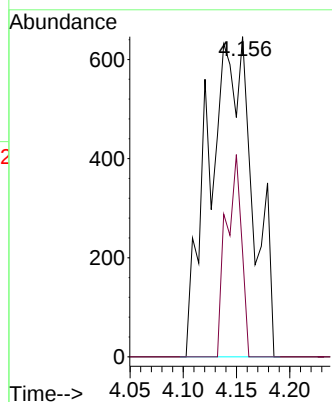
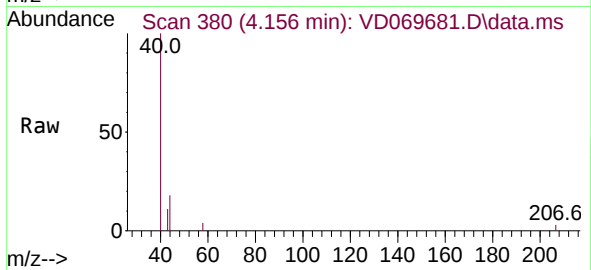




#16
Acetone
Concen: 124.617 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

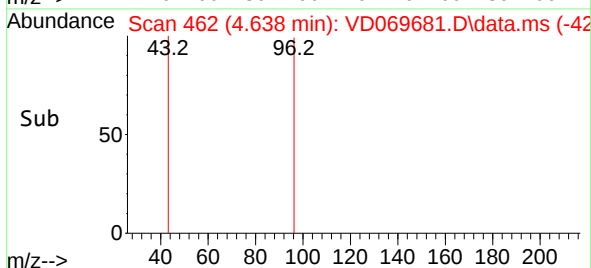
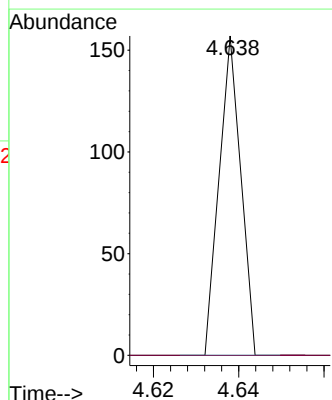
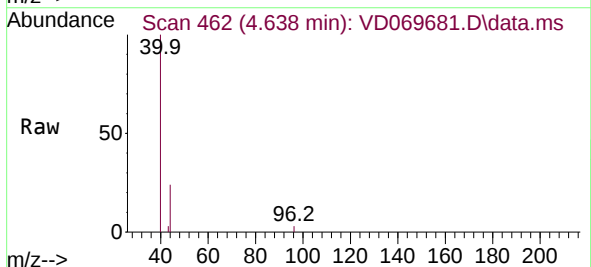
Instrument :
MSVOA_D
ClientSampled :

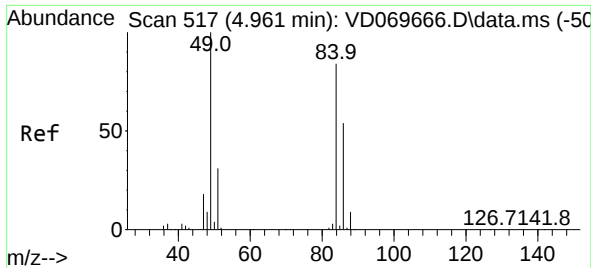
Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
58 32.7 28.6 42.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.638 min Scan# 462
Delta R.T. -0.076 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

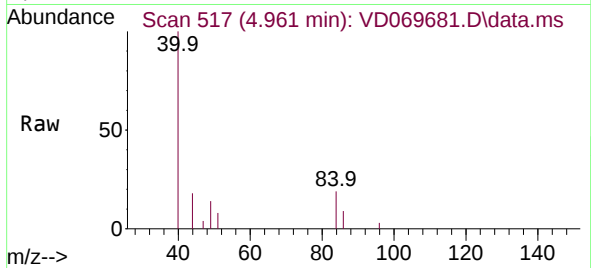
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



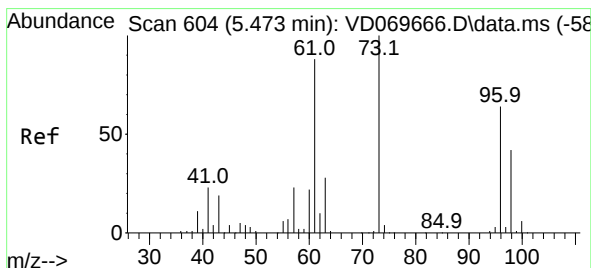
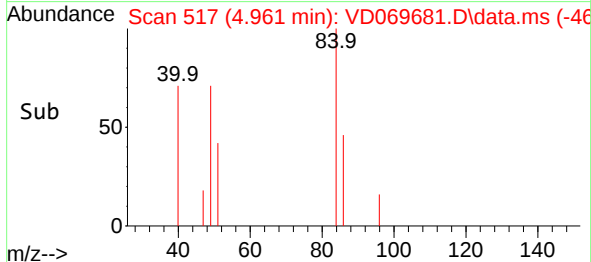
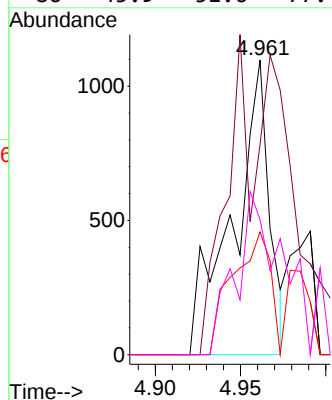


#20
Methylene Chloride
Concen: 11.144 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Instrument :
MSVOA_D
ClientSampled :

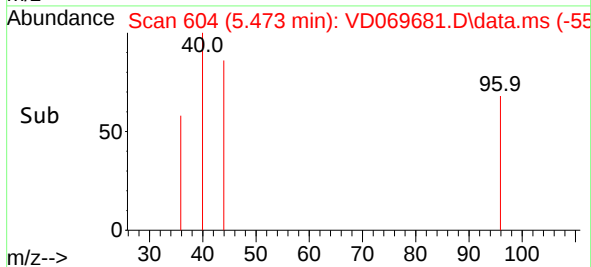
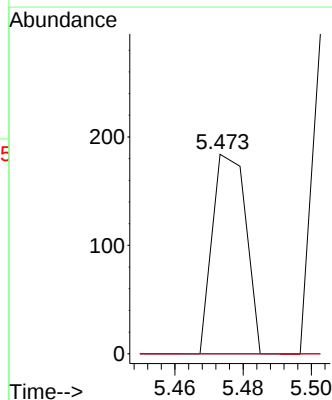
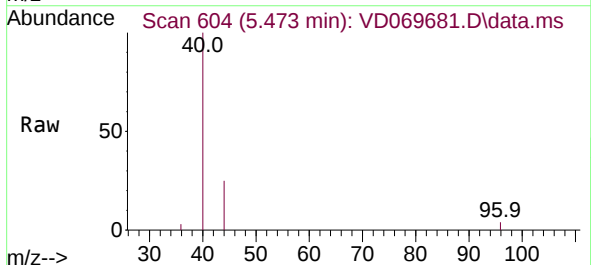


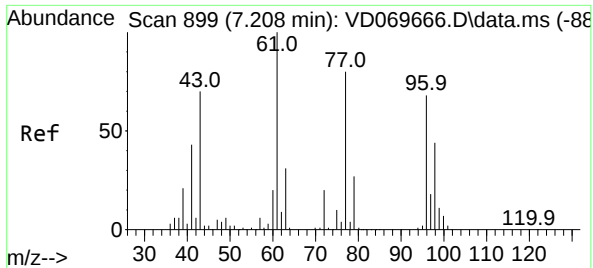
Tgt Ion: 84 Resp: 1619
Ion Ratio Lower Upper
84 100
49 71.4 95.5 143.3#
51 41.7 29.7 44.5
86 45.9 51.6 77.4#



#21
trans-1,2-Dichloroethene
Concen: 1.605 ug/l
RT: 5.473 min Scan# 604
Delta R.T. 0.000 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Tgt Ion: 96 Resp: 126
Ion Ratio Lower Upper
96 100
61 0.0 110.9 166.3#
98 0.0 52.2 78.2#

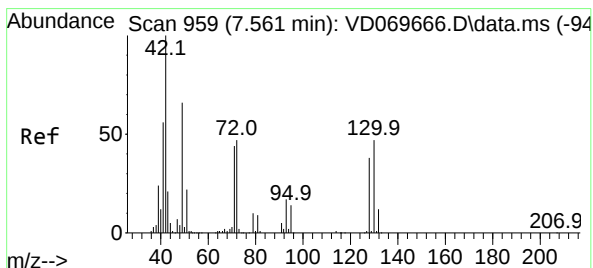
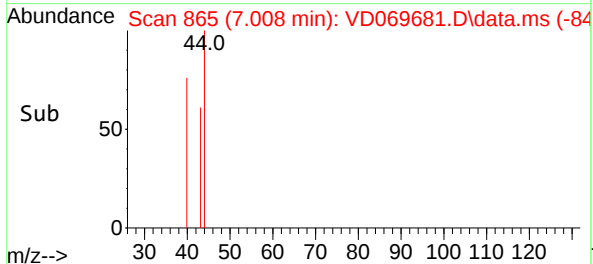
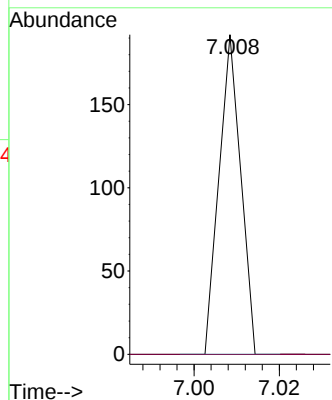
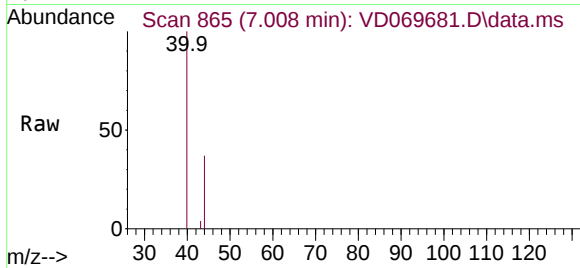




#25
2-Butanone
Concen: 3.823 ug/l
RT: 7.008 min Scan# 865
Delta R.T. -0.200 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

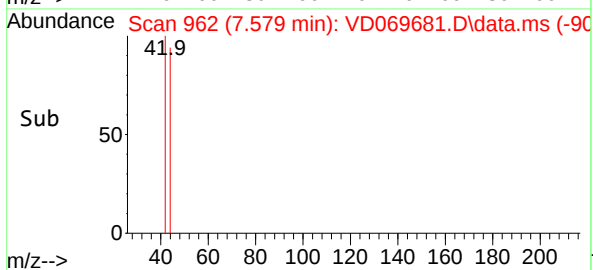
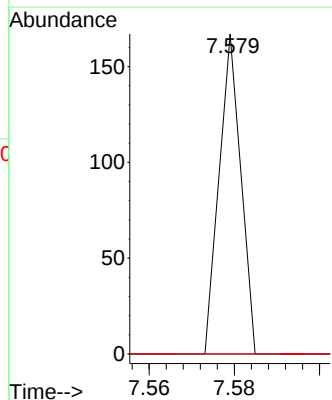
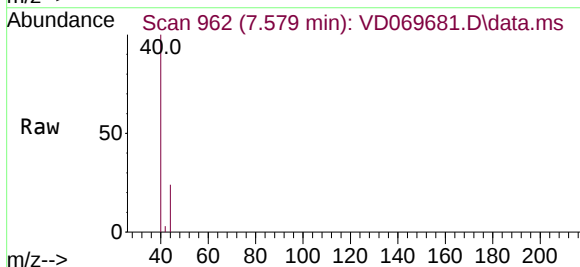
Instrument :
MSVOA_D
ClientSampleId :

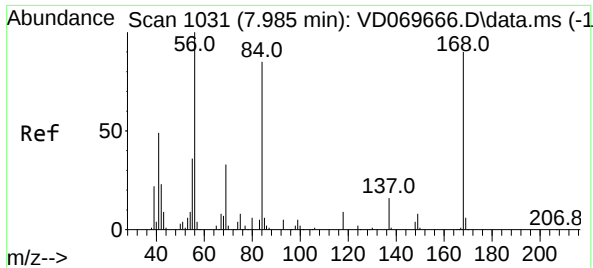
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#29
Tetrahydrofuran
Concen: 5.354 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.018 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

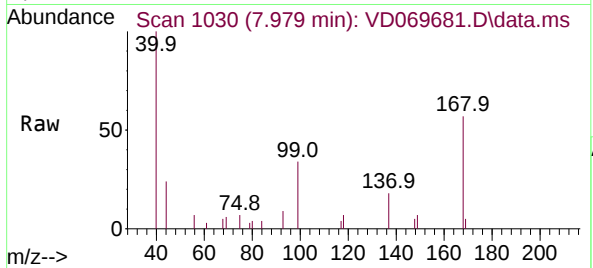
Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.4 50.0#



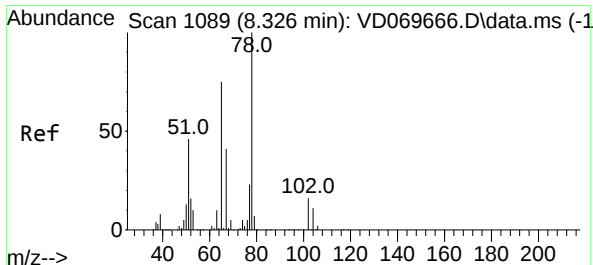
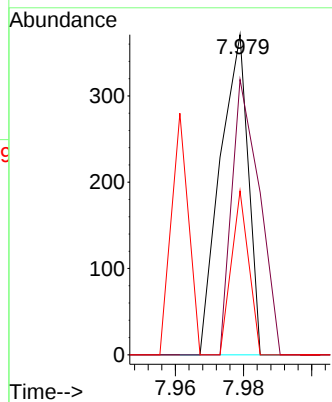
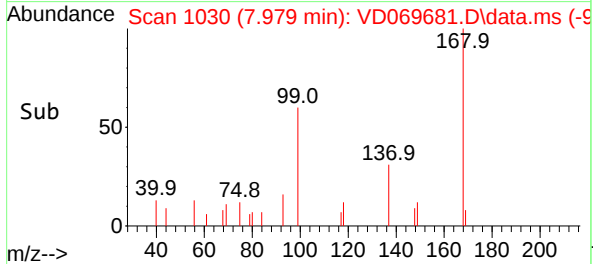


#31
Cyclohexane
Concen: 2.047 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

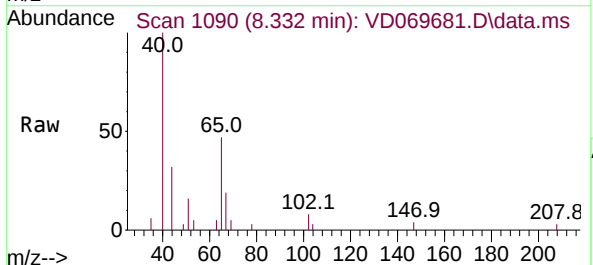
Instrument :
MSVOA_D
ClientSampleId :



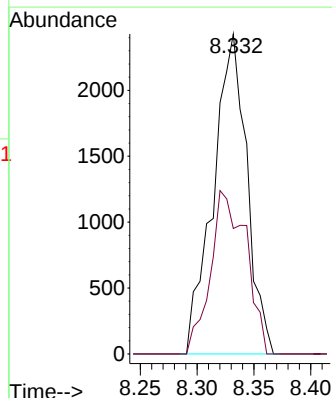
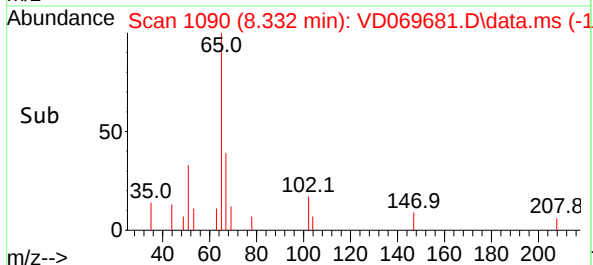
Tgt Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
69 86.0 26.6 39.8#
84 51.2 68.2 102.2#

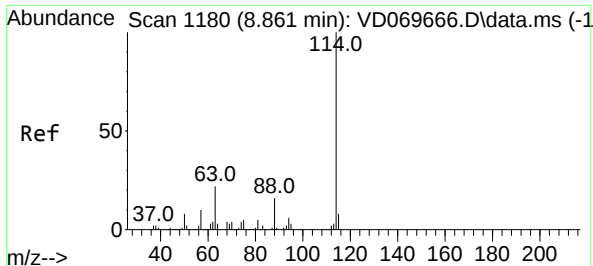


#33
1,2-Dichloroethane-d4
Concen: 66.388 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24



Tgt Ion: 65 Resp: 4996
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

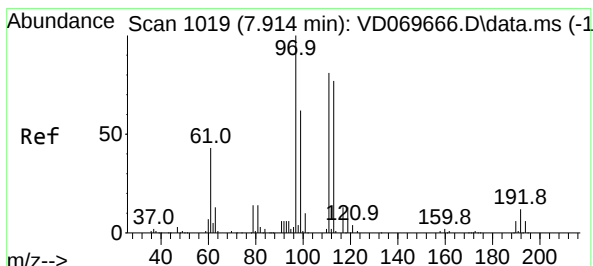
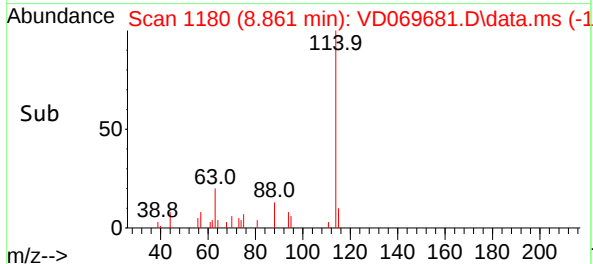
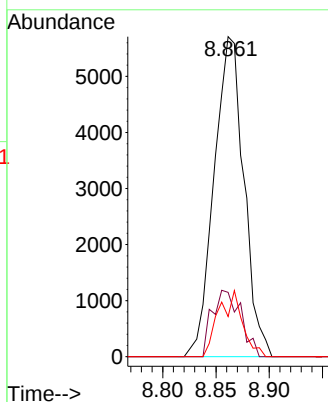
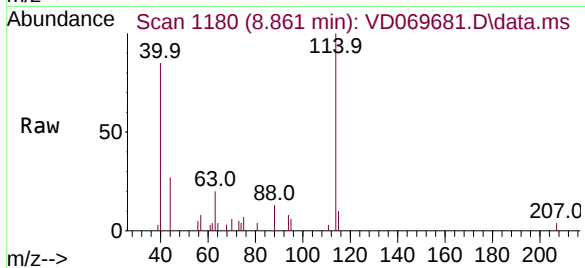
Delta R.T. 0.000 min

Lab File: VD069681.D

Acq: 13 Jul 2021 20:24

Tgt Ion:	114	Resp:	11087
Ion Ratio	Lower	Upper	
114	100		
63	20.1	0.0	43.4
88	12.6	0.0	32.0

Instrument :
MSVOA_D
ClientSampled :



#35

Dibromofluoromethane

Concen: 48.897 ug/l

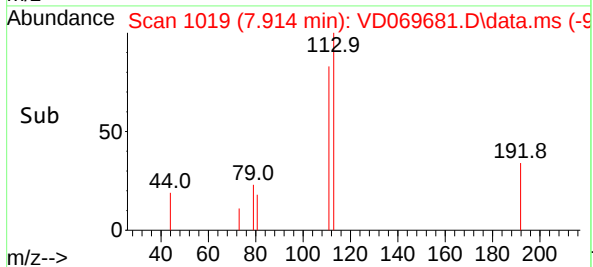
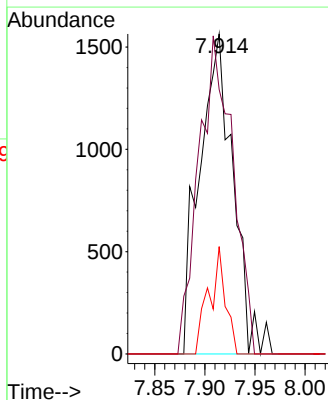
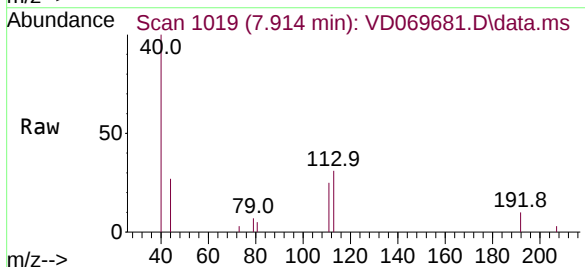
RT: 7.914 min Scan# 1019

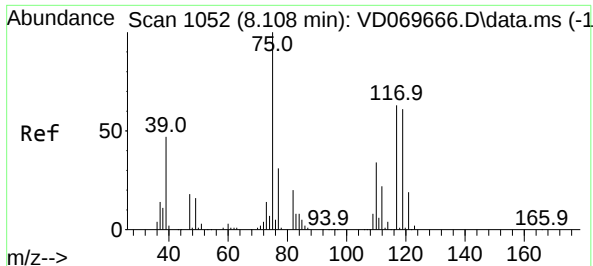
Delta R.T. 0.000 min

Lab File: VD069681.D

Acq: 13 Jul 2021 20:24

Tgt Ion:	113	Resp:	3637
Ion Ratio	Lower	Upper	
113	100		
111	101.1	82.6	123.8
192	16.5	12.7	19.1

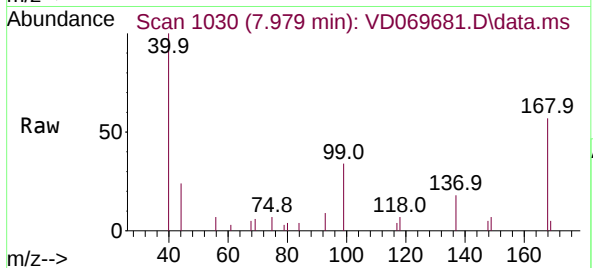




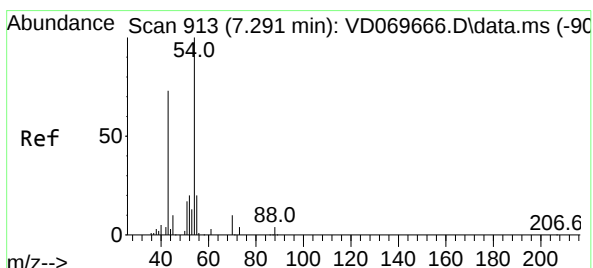
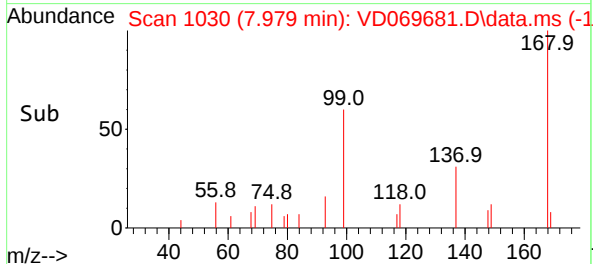
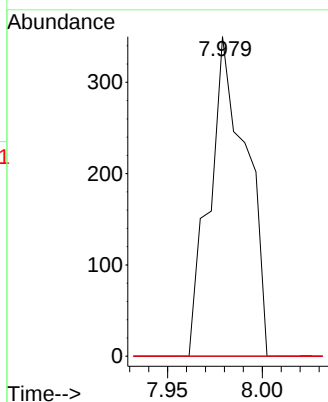
#36

1,1-Dichloropropene
Concen: 4.144 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Instrument :
MSVOA_D
ClientSampled :

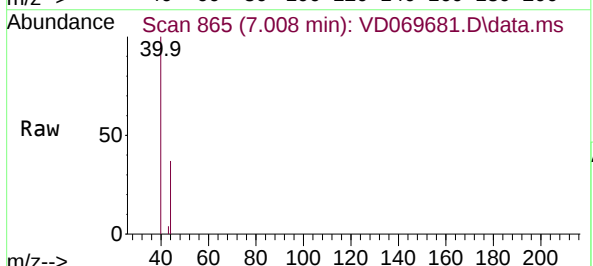


Tgt Ion: 75	Resp: 474
Ion Ratio	Lower Upper
75	100
110	0.0 16.7 50.0#
77	0.0 25.3 37.9#

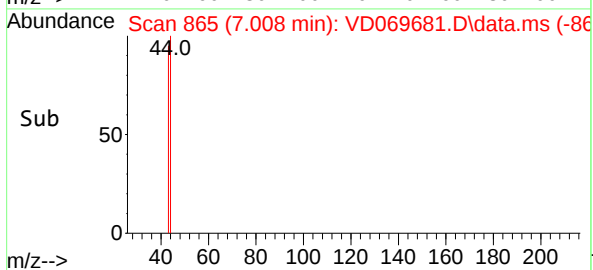
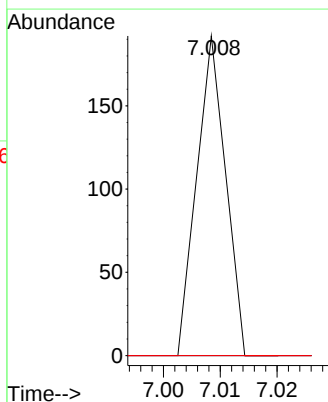


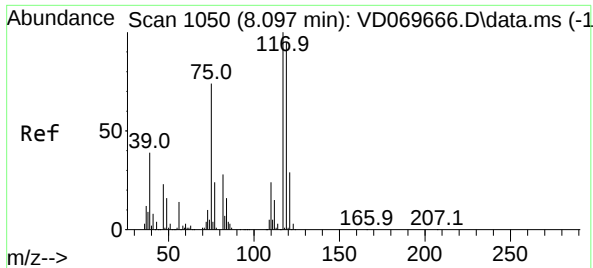
#37

Ethyl Acetate
Concen: 1.572 ug/l
RT: 7.008 min Scan# 865
Delta R.T. -0.283 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24



Tgt Ion: 43	Resp: 68
Ion Ratio	Lower Upper
43	100
61	0.0 12.1 18.1#
70	0.0 8.4 12.6#

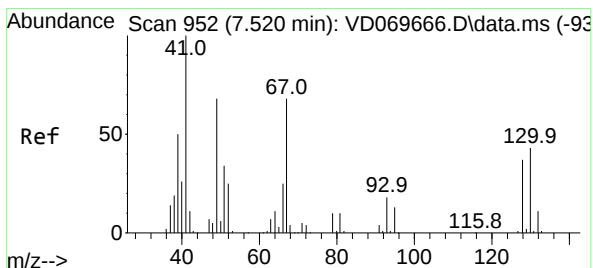
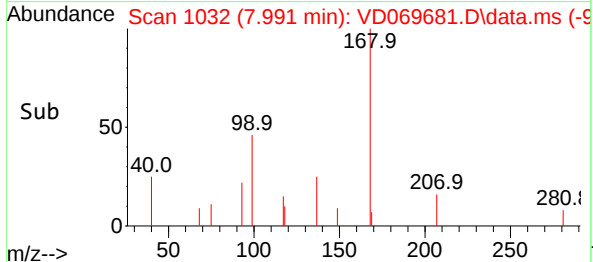
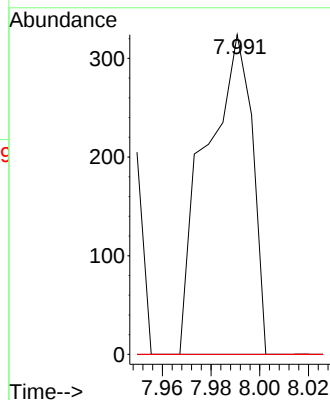
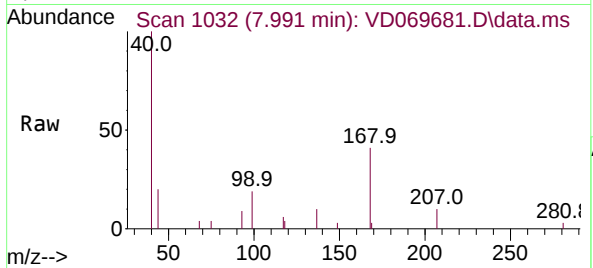




#38
Carbon Tetrachloride
Concen: 4.105 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.106 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

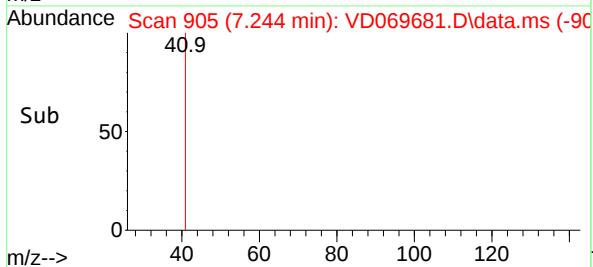
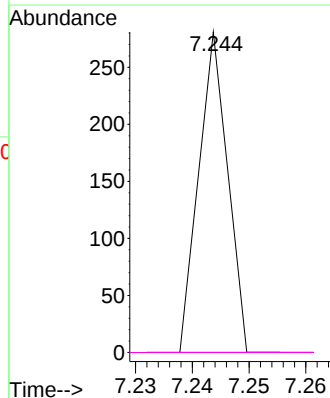
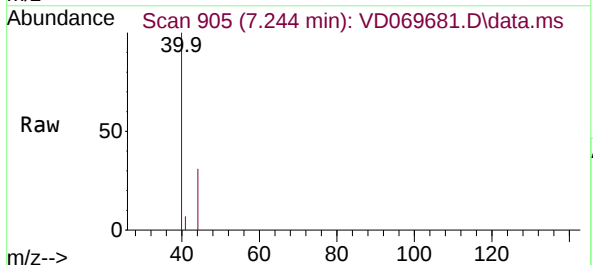
Instrument :
MSVOA_D
ClientSampleId :

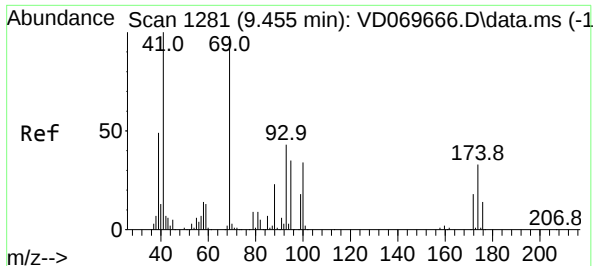
Tgt Ion:117 Resp: 430
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#



#41
Methacrylonitrile
Concen: 4.415 ug/l
RT: 7.244 min Scan# 905
Delta R.T. -0.276 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

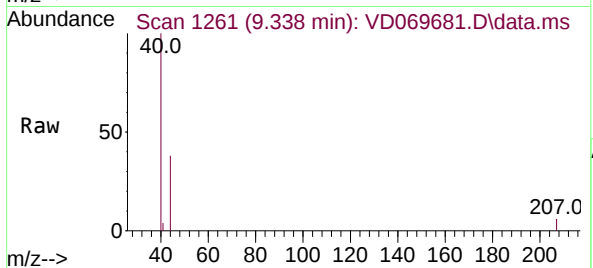
Tgt Ion: 41 Resp: 99
Ion Ratio Lower Upper
41 100
39 0.0 47.4 71.0#
67 0.0 67.0 100.6#
52 0.0 27.3 40.9#



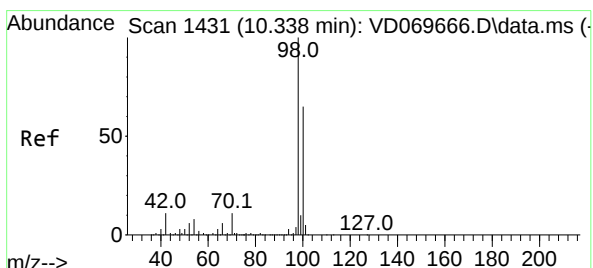
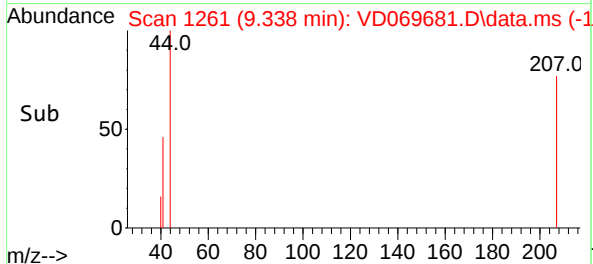
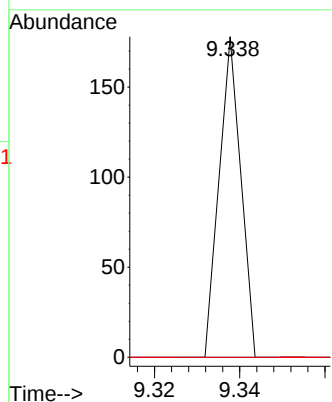


#48
Methyl methacrylate
Concen: 2.600 ug/l
RT: 9.338 min Scan# 1261
Delta R.T. -0.117 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Instrument :
MSVOA_D
ClientSampled :

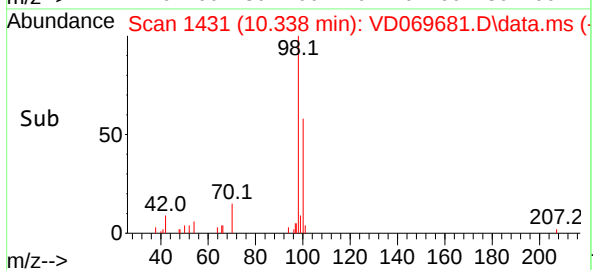
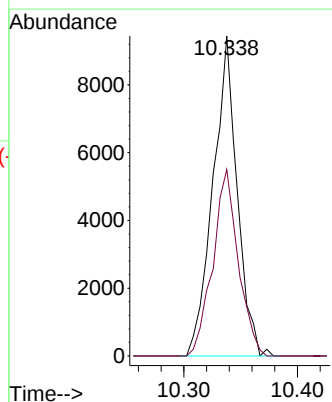
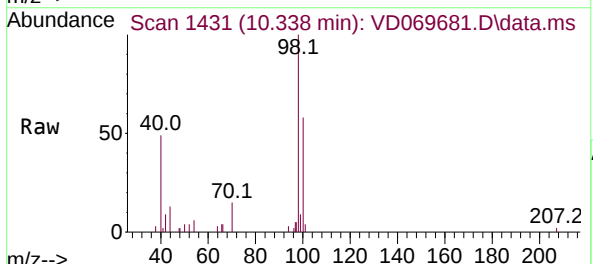


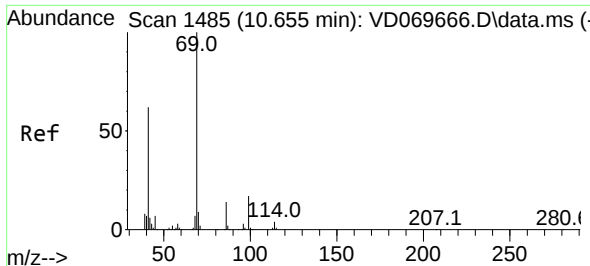
Tgt Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 48.348 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Tgt Ion: 98 Resp: 13971
Ion Ratio Lower Upper
98 100
100 61.2 52.2 78.2

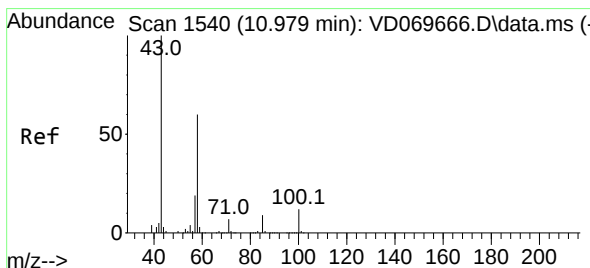
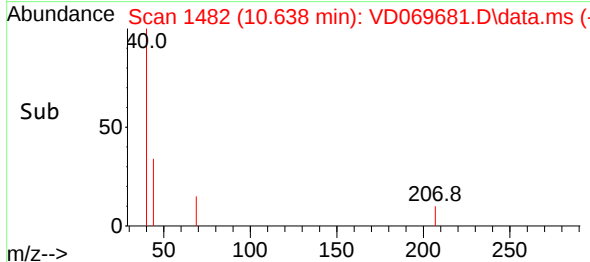
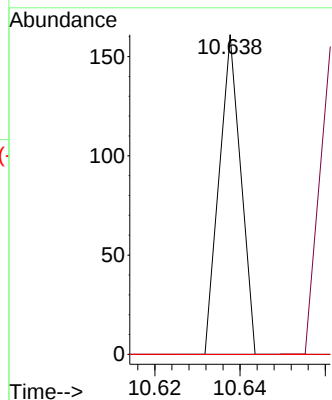
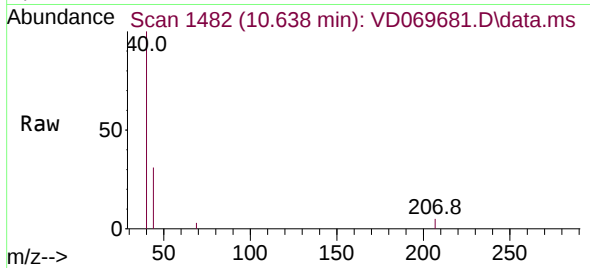




#56
Ethyl methacrylate
Concen: 2.393 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

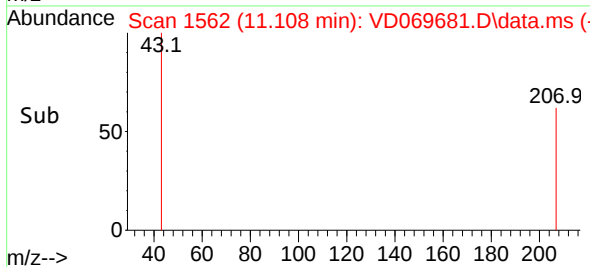
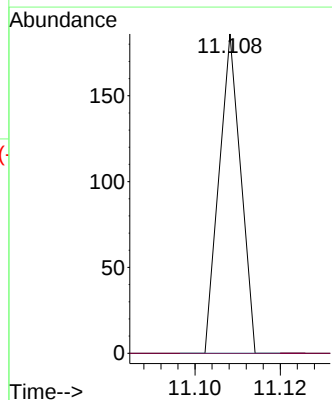
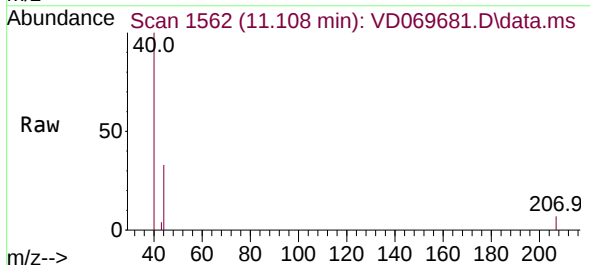
Instrument :
MSVOA_D
ClientSampleId :

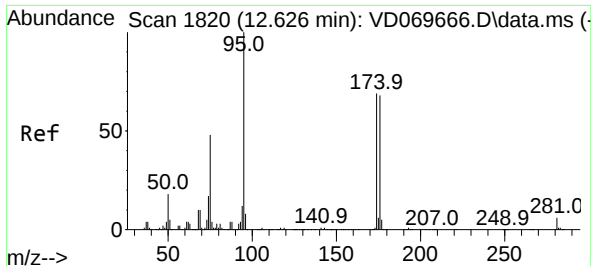
Tgt Ion: 69 Resp: 57
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 0.0 22.5 33.7#



#59
2-Hexanone
Concen: 2.413 ug/l
RT: 11.108 min Scan# 1562
Delta R.T. 0.129 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#

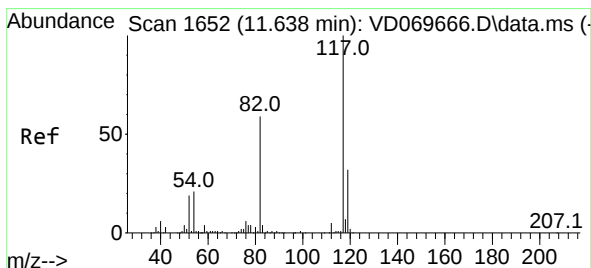
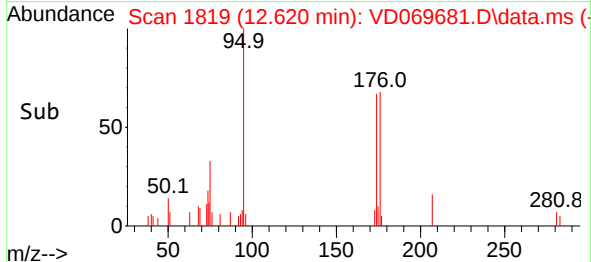
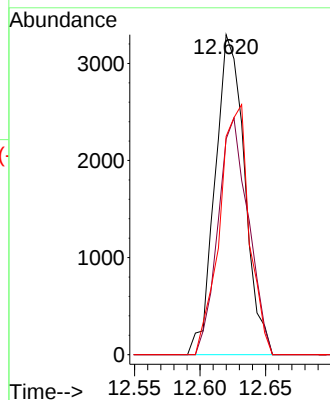
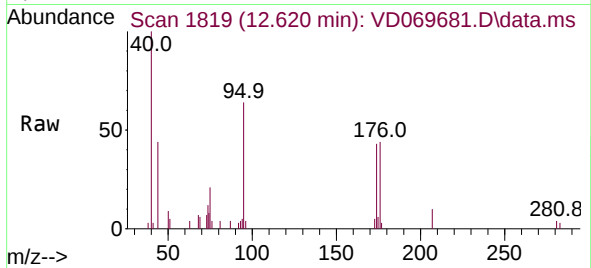




#62
4-Bromofluorobenzene
Concen: 53.479 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

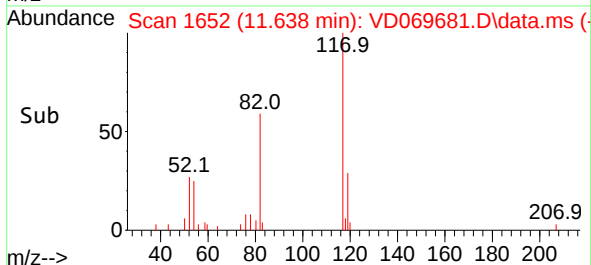
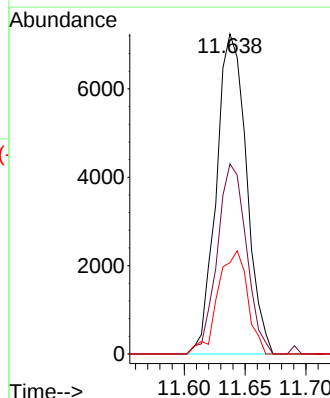
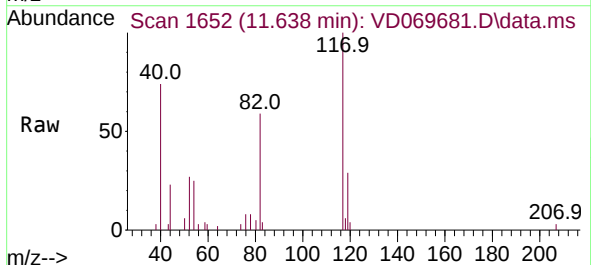
Instrument :
MSVOA_D
ClientSampleId :

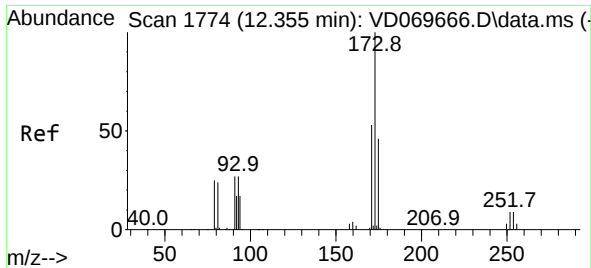
Tgt Ion:	95	Resp:	5154
Ion Ratio	Lower	Upper	
95	100		
174	76.4	0.0	140.0
176	78.5	0.0	136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Tgt Ion:	117	Resp:	12491
Ion Ratio	Lower	Upper	
117	100		
82	59.4	47.4	71.2
119	28.6	25.5	38.3

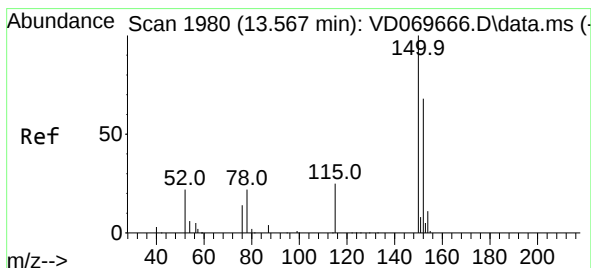
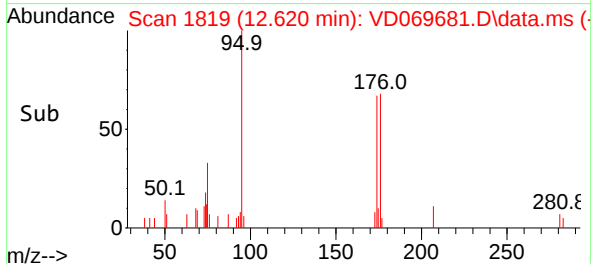
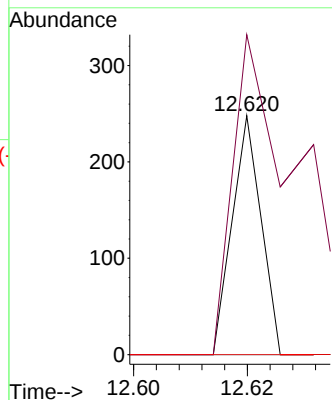
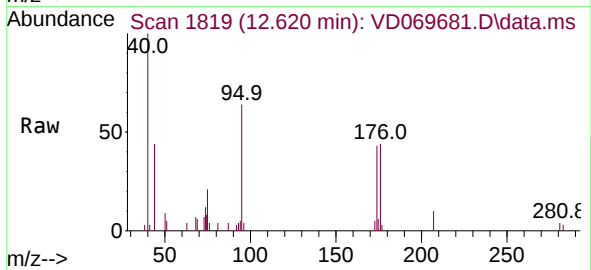




#71
Bromoform
Concen: 2.013 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

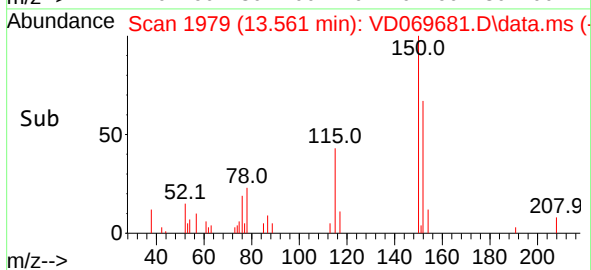
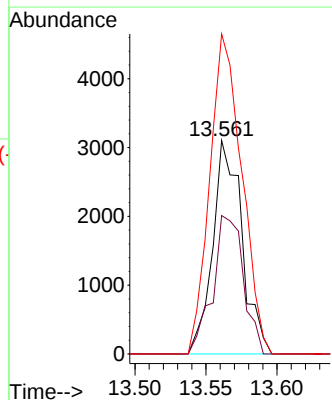
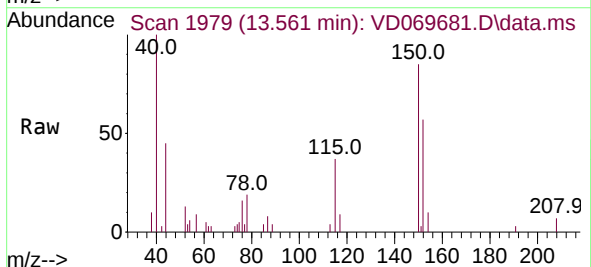
Instrument :
MSVOA_D
ClientSampleId :

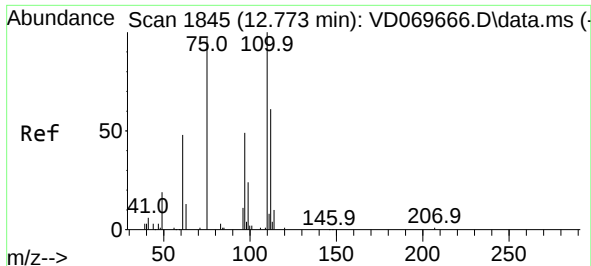
Tgt Ion:173 Resp: 87
Ion Ratio Lower Upper
173 100
175 204.6 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Tgt Ion:152 Resp: 4423
Ion Ratio Lower Upper
152 100
115 67.9 31.7 95.1
150 165.0 0.0 350.4

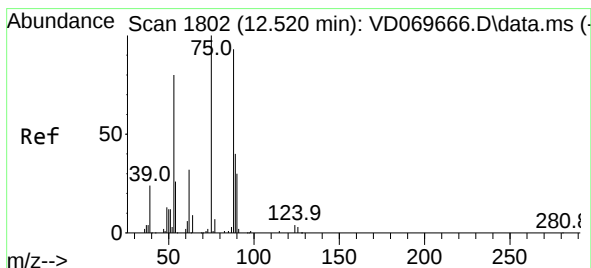
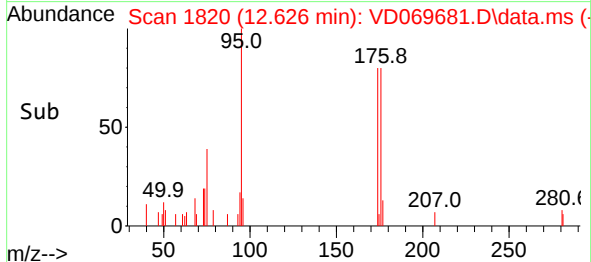
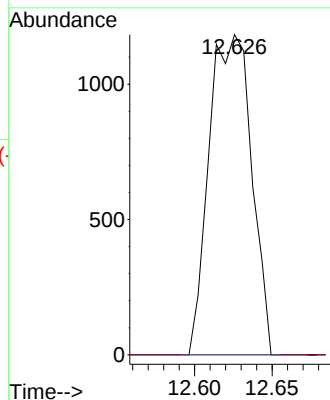
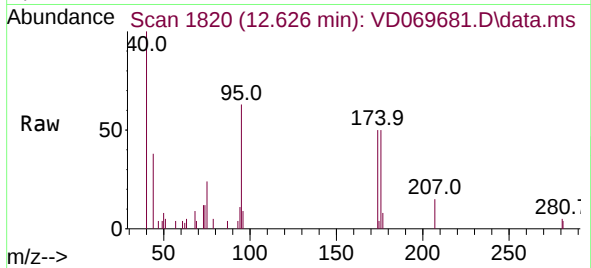




#76
1,2,3-Trichloropropane
Concen: 52.411 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

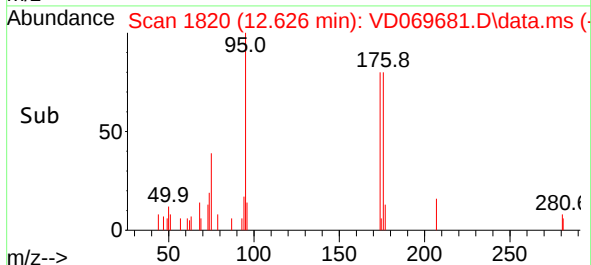
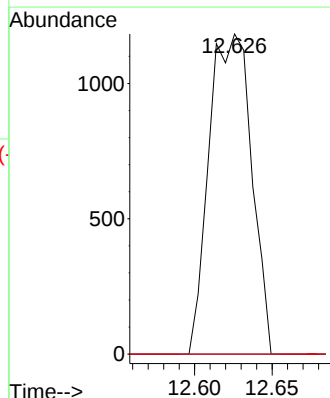
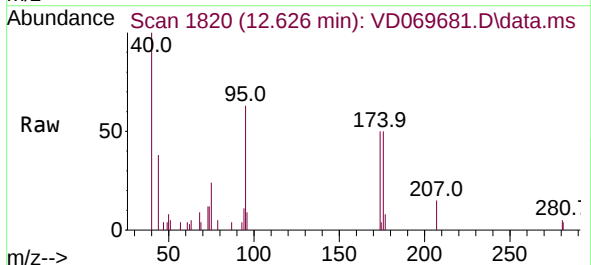
Instrument :
MSVOA_D
ClientSampled :

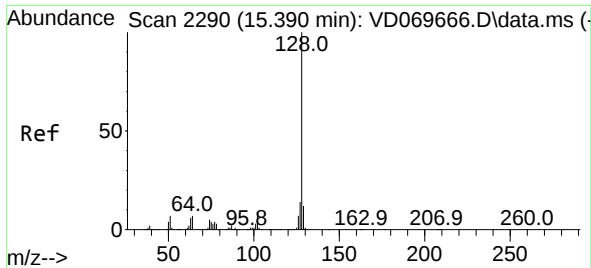
Tgt Ion: 75 Resp: 2252
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 140.852 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069681.D
Acq: 13 Jul 2021 20:24

Tgt Ion: 75 Resp: 2252
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#





#95

Naphthalene

Concen: 2.608 ug/l

RT: 15.408 min Scan# 2293

Delta R.T. 0.018 min

Lab File: VD069681.D

Acq: 13 Jul 2021 20:24

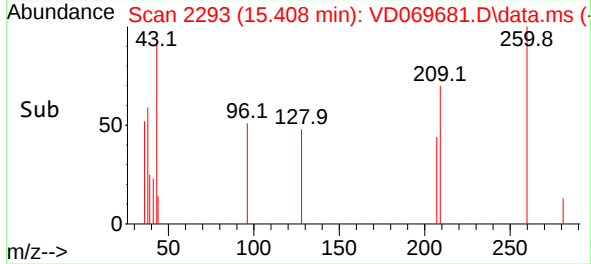
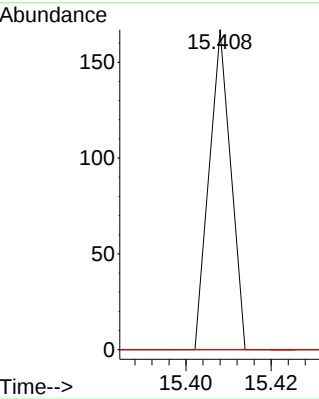
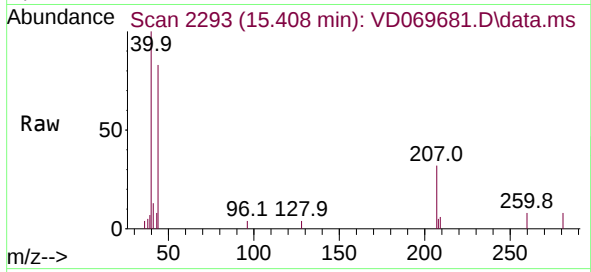
Tgt Ion:128 Resp: 59

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.8 13.2#



Instrument :
MSVOA_D
ClientSampleId :