

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069680.D
 Acq On : 13 Jul 2021 19:55
 Operator : VA/SY
 Sample : M3012-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 14 06:08:41 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)

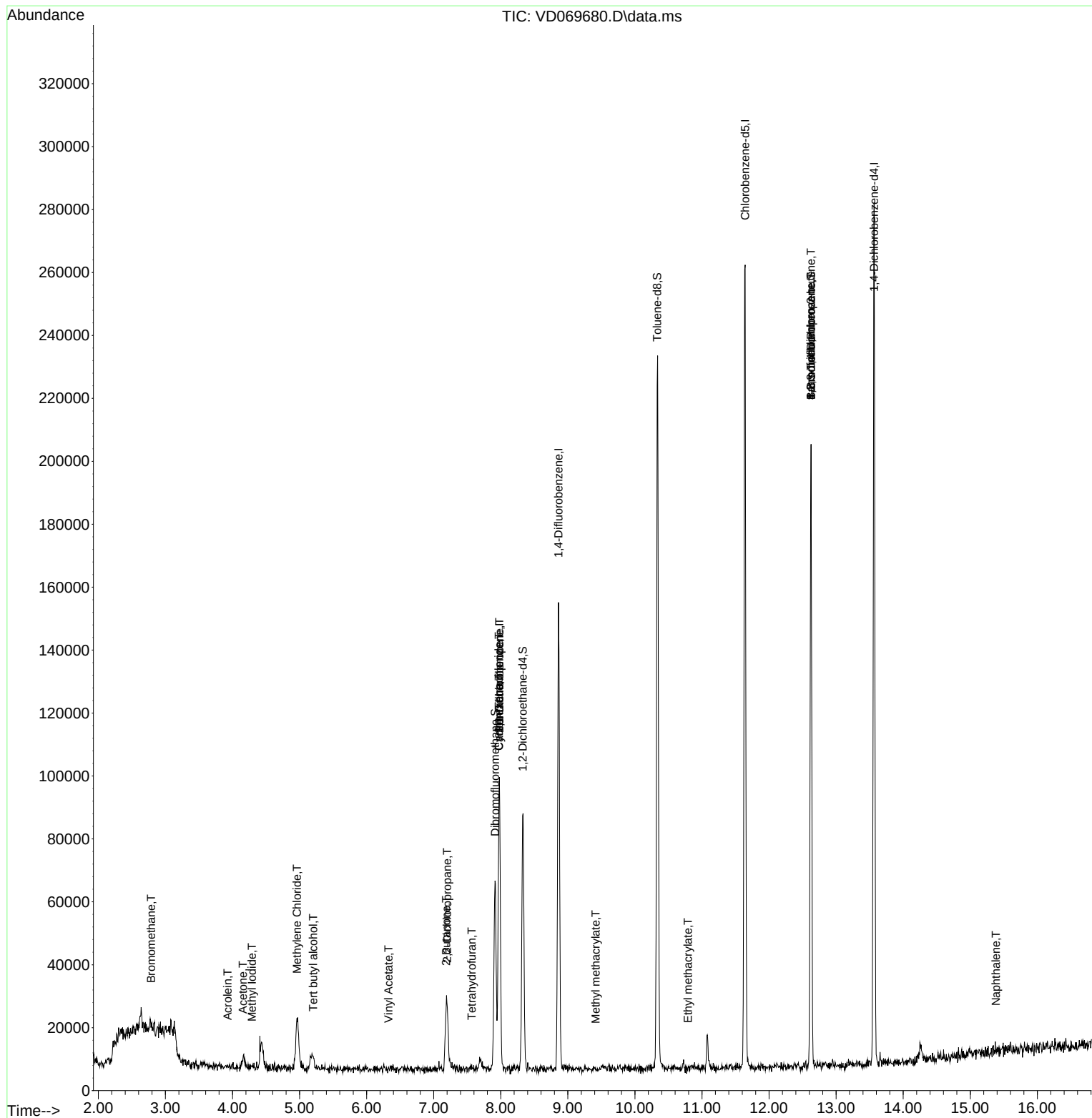
Internal Standards						
1) Pentafluorobenzene	7.979	168	64736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	120589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	149411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	72457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	65751	81.344	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.680%	
35) Dibromofluoromethane	7.914	113	44758	55.324	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.640%	
50) Toluene-d8	10.332	98	156720	49.863	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.720%	
62) 4-Bromofluorobenzene	12.626	95	68097	64.964	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 129.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	2260	2.067	ug/l #	64
10) Methyl Iodide	4.291	142	534	3.099	ug/l #	39
11) Tert butyl alcohol	5.203	59	1832	16.963	ug/l #	79
13) Acrolein	3.926	56	64	1.148	ug/l #	15
16) Acetone	4.156	43	6205	46.449	ug/l #	86
18) Methyl Acetate	4.714	43	68	Below Cal	#	49
20) Methylene Chloride	4.962	84	13377	7.395	ug/l	95
23) Vinyl Acetate	6.326	43	119	15.513	ug/l #	72
25) 2-Butanone	7.185	43	1717	8.988	ug/l #	47
26) 2,2-Dichloropropane	7.203	77	1919	1.525	ug/l #	53
29) Tetrahydrofuran	7.567	42	132	1.115	ug/l #	32
31) Cyclohexane	7.973	56	1483	1.474	ug/l #	2
36) 1,1-Dichloropropene	7.979	75	6444	5.180	ug/l #	44
38) Carbon Tetrachloride	7.973	117	7395	6.491	ug/l #	13
48) Methyl methacrylate	9.414	41	102	1.325	ug/l #	13
56) Ethyl methacrylate	10.791	69	56	1.731	ug/l #	1
71) Bromoform	12.626	173	783	1.515	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	33132	47.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	33132	126.496	ug/l #	14
95) Naphthalene	15.384	128	699	2.497	ug/l #	69

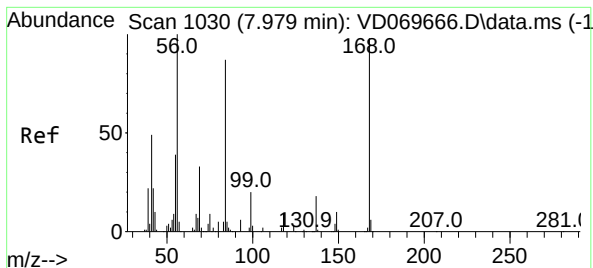
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

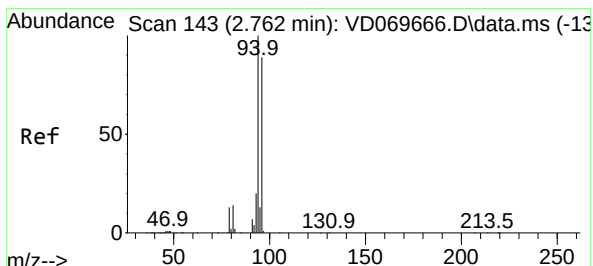
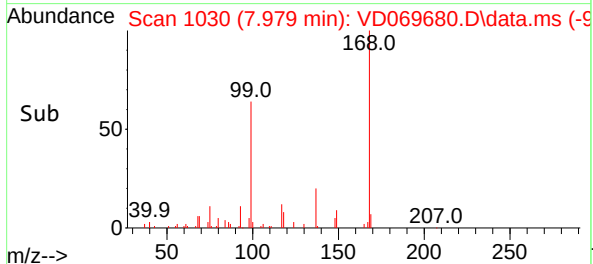
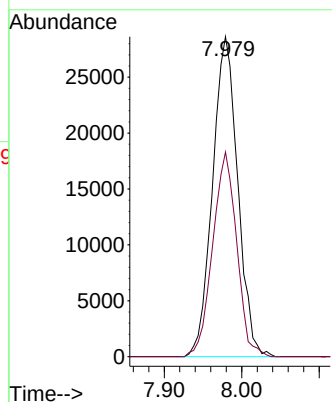
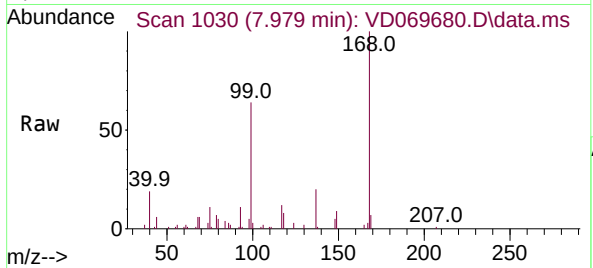




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

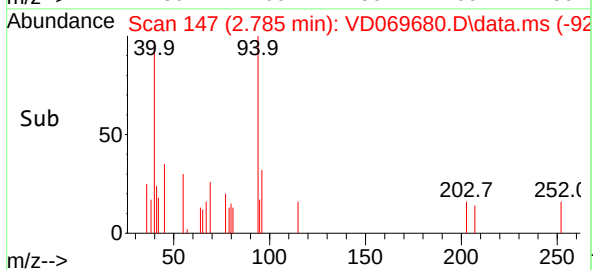
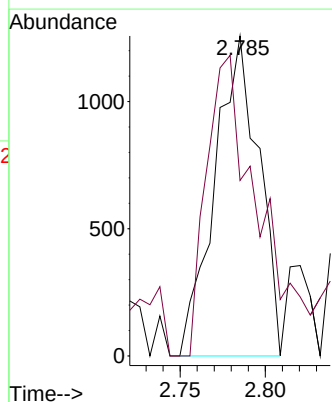
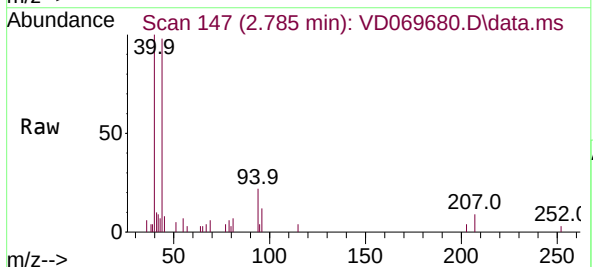
Instrument :
MSVOA_D
ClientSampled :

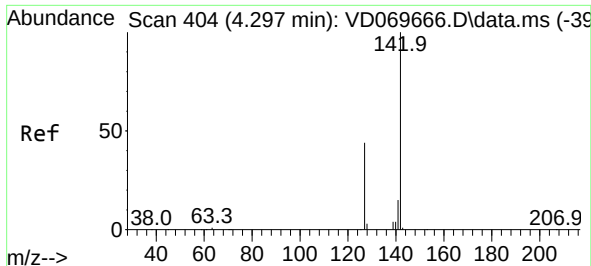
Tgt Ion:168 Resp: 64736
Ion Ratio Lower Upper
168 100
99 63.9 51.8 77.6



#5
Bromomethane
Concen: 2.067 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

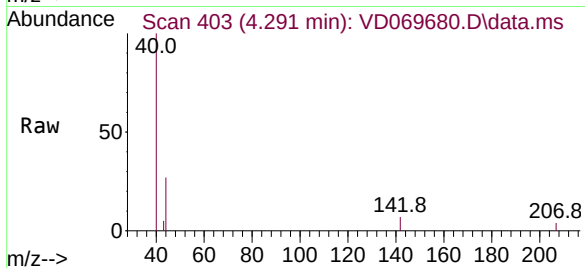
Tgt Ion: 94 Resp: 2260
Ion Ratio Lower Upper
94 100
96 54.8 71.2 106.8#



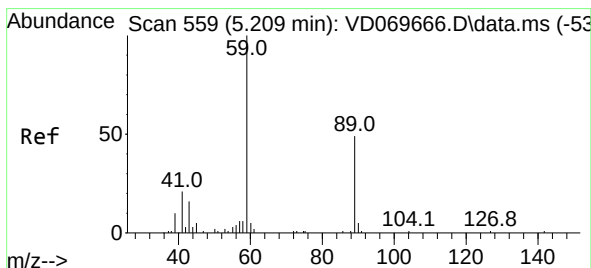
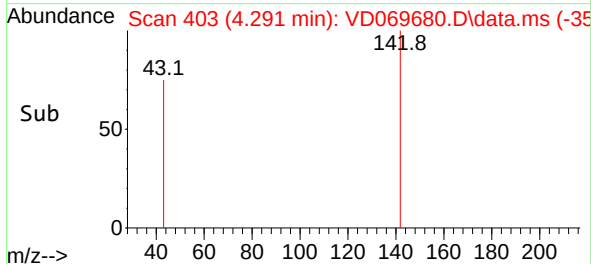
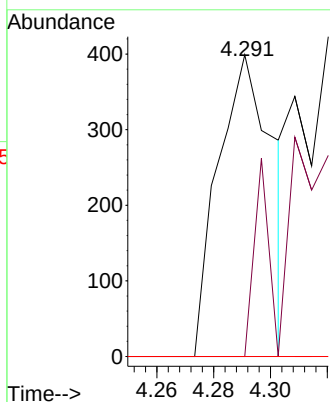


#10
Methyl Iodide
Concen: 3.099 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

Instrument :
MSVOA_D
ClientSampled :

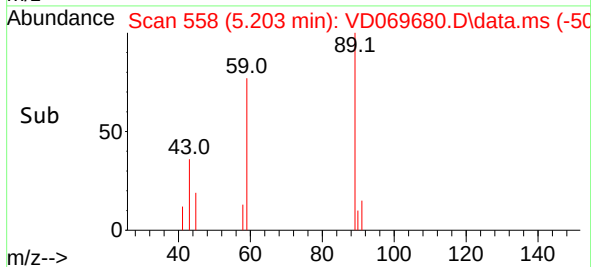
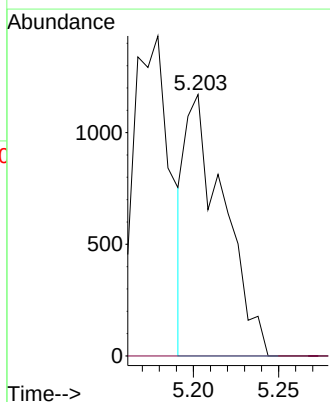
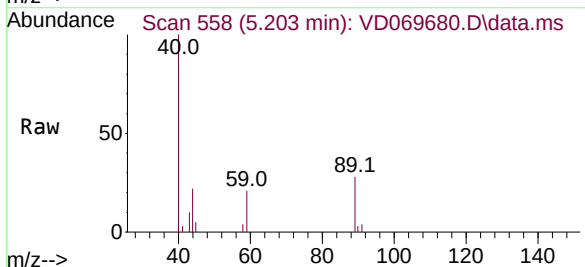


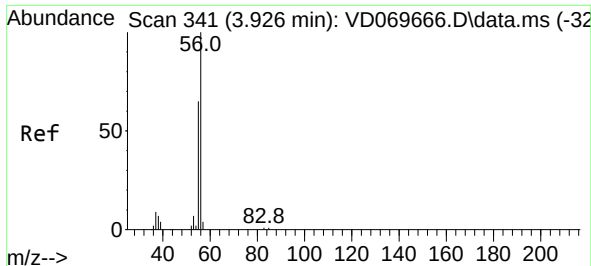
Tgt Ion:142 Resp: 534
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 16.963 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.006 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

Tgt Ion: 59 Resp: 1832
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

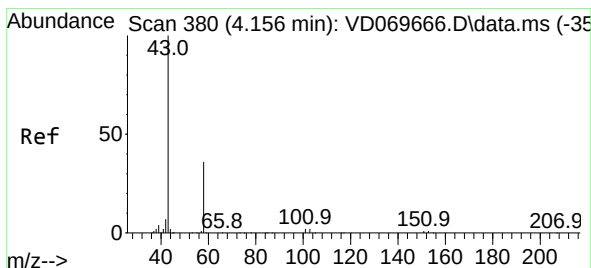
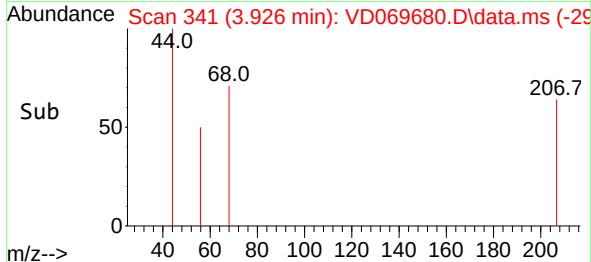
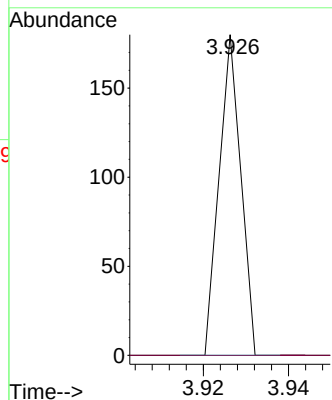
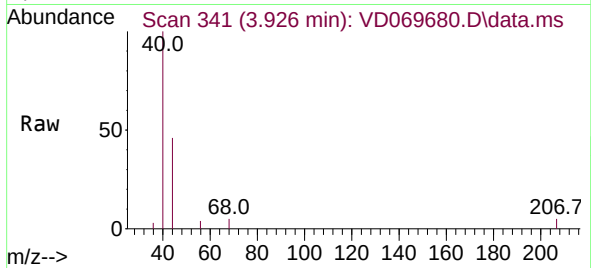




#13
Acrolein
Concen: 1.148 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

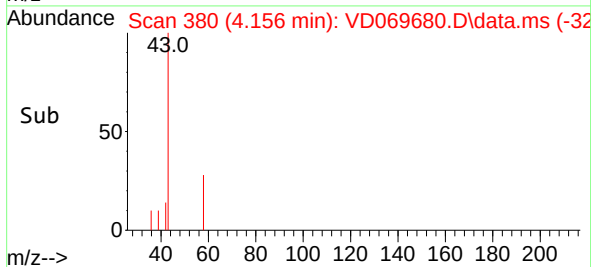
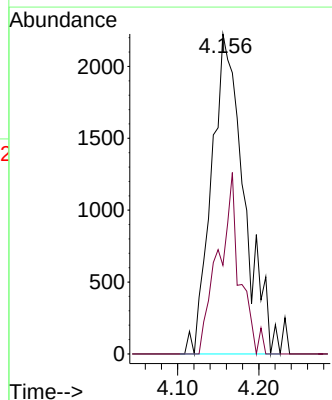
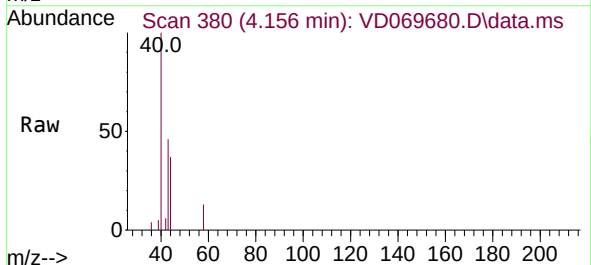
Instrument :
MSVOA_D
ClientSampled :

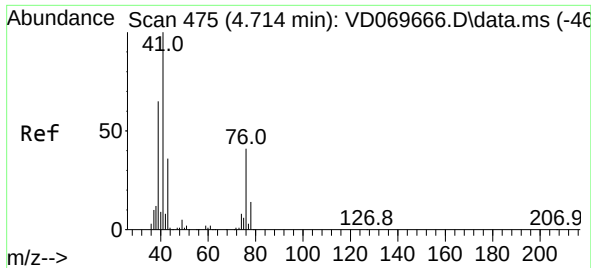
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 46.449 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

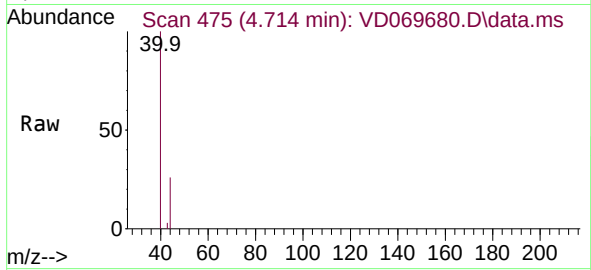
Tgt Ion: 43 Resp: 6205
Ion Ratio Lower Upper
43 100
58 27.7 28.6 42.8#



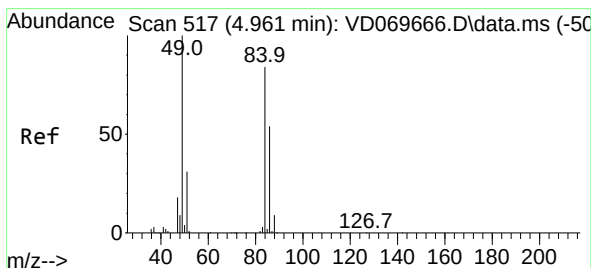
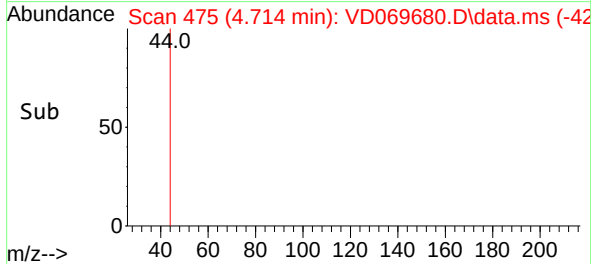
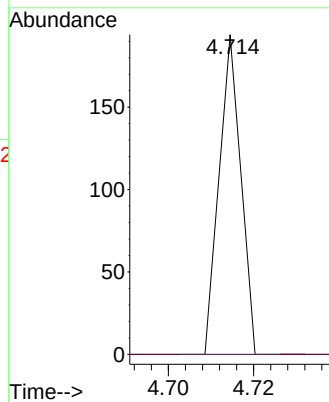


#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

Instrument :
MSVOA_D
ClientSampled :

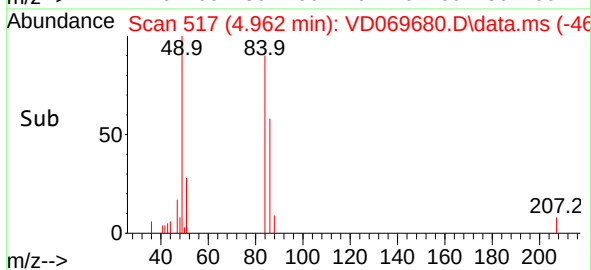
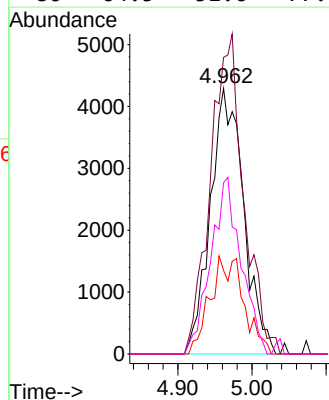
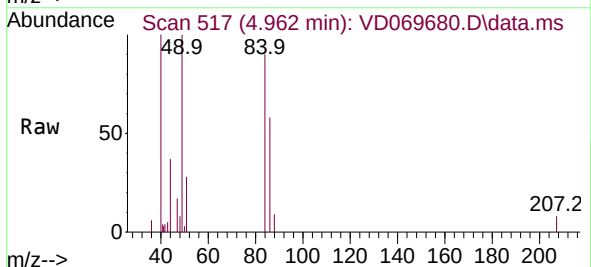


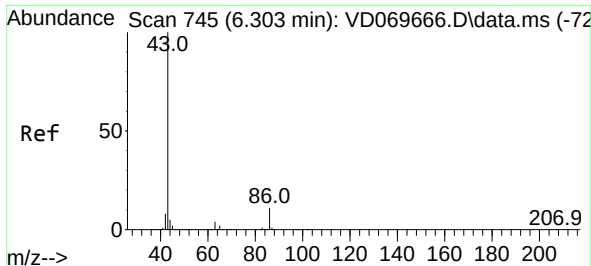
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 7.395 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

Tgt Ion: 84 Resp: 13377
Ion Ratio Lower Upper
84 100
49 111.6 95.5 143.3
51 31.5 29.7 44.5
86 64.5 51.6 77.4

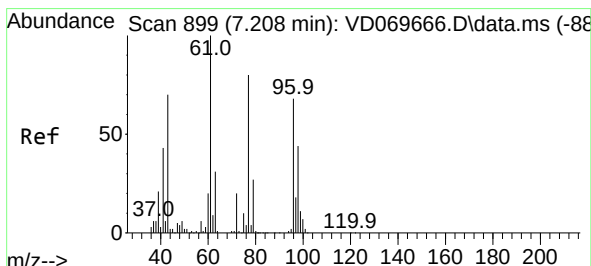
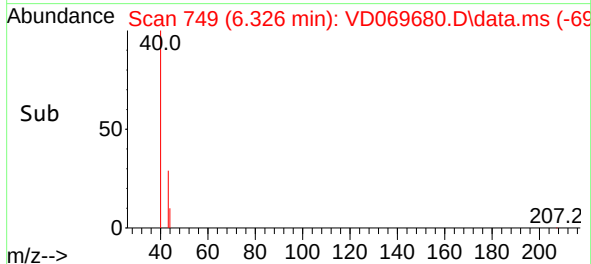
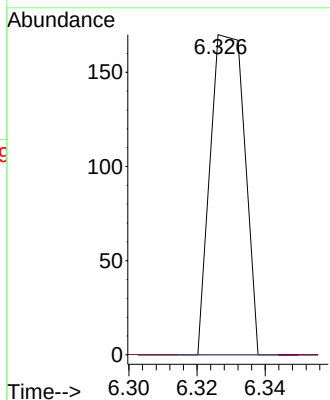
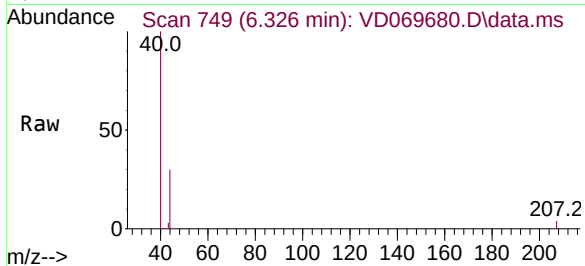




#23
 Vinyl Acetate
 Concen: 15.513 ug/l
 RT: 6.326 min Scan# 749
 Delta R.T. 0.023 min
 Lab File: VD069680.D
 Acq: 13 Jul 2021 19:55

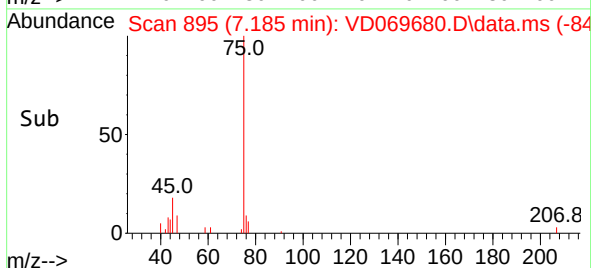
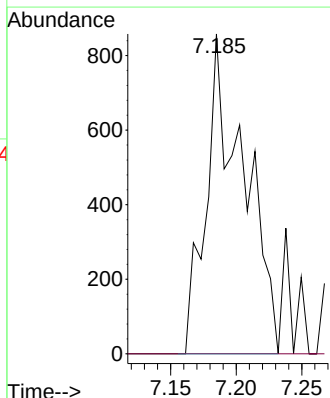
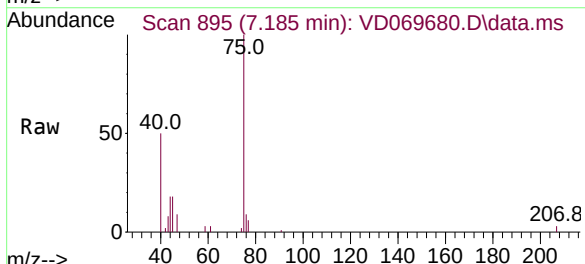
Instrument :
 MSVOA_D
 ClientSampled :

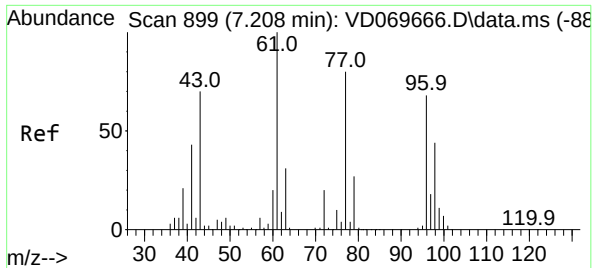
Tgt Ion: 43 Resp: 119
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 8.988 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.023 min
 Lab File: VD069680.D
 Acq: 13 Jul 2021 19:55

Tgt Ion: 43 Resp: 1717
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.6 33.8#

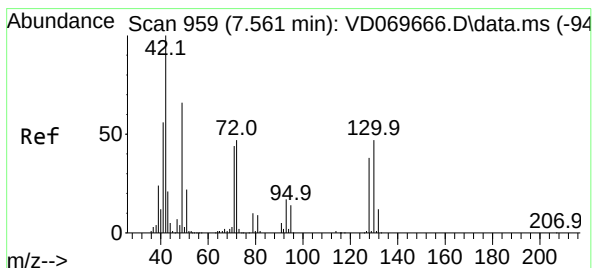
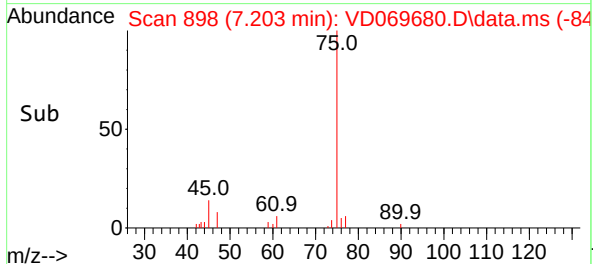
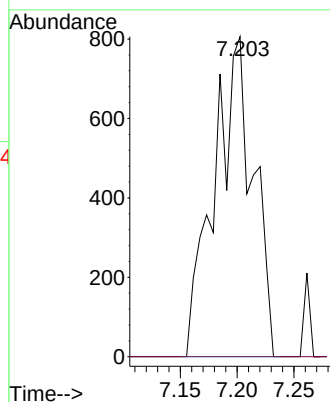
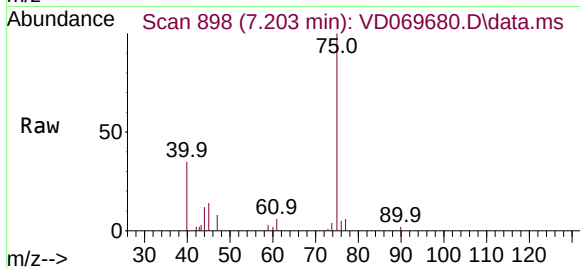




#26
2,2-Dichloropropane
Concen: 1.525 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.005 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

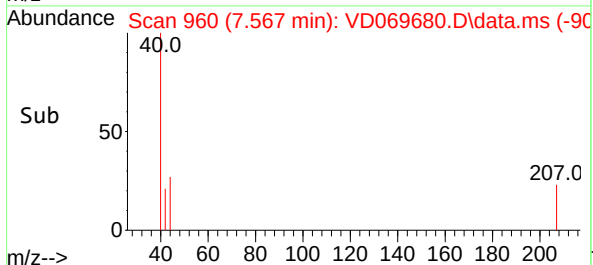
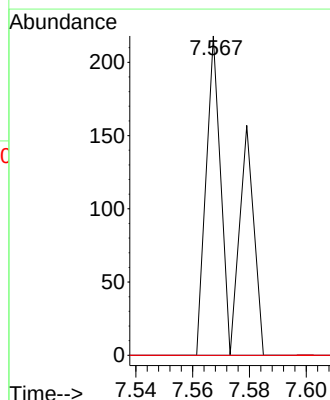
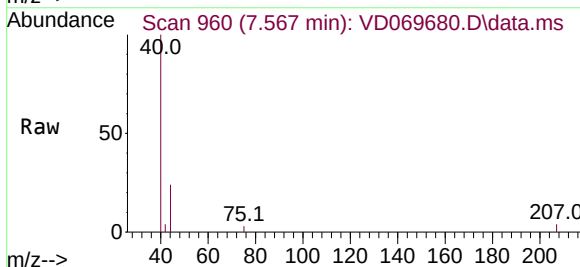
Instrument :
MSVOA_D
ClientSampled :

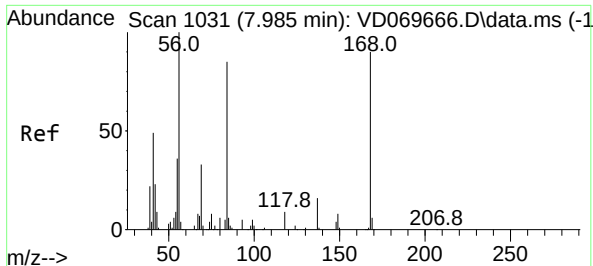
Tgt Ion: 77 Resp: 1919
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#29
Tetrahydrofuran
Concen: 1.115 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

Tgt Ion: 42 Resp: 132
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.4 50.0#

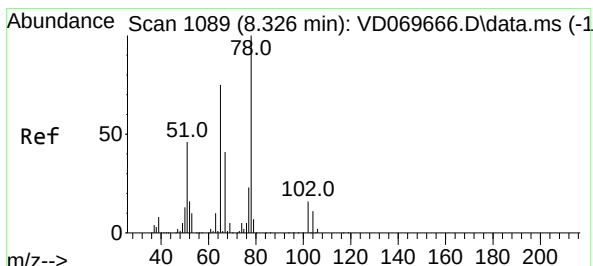
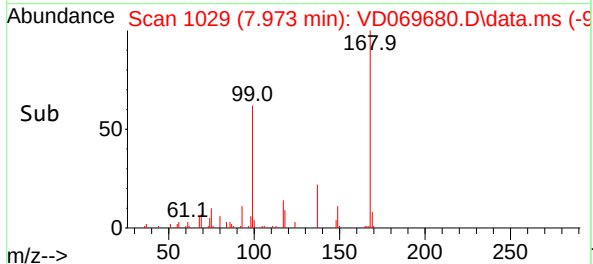
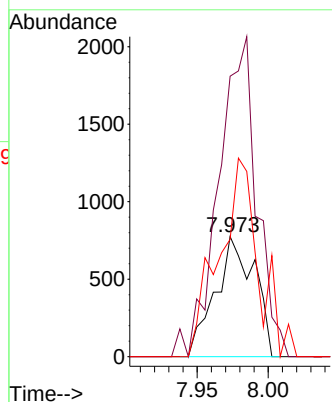
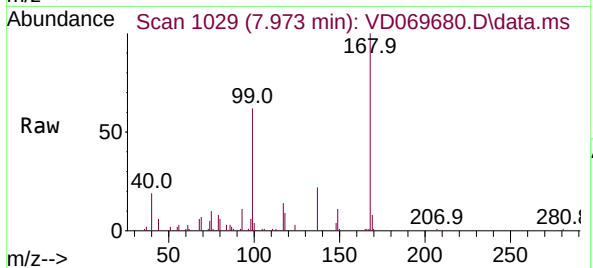




#31
Cyclohexane
Concen: 1.474 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

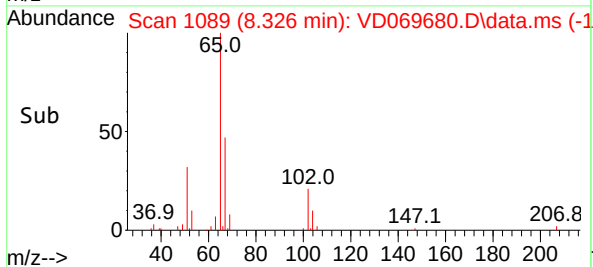
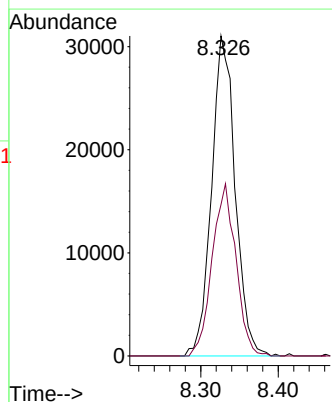
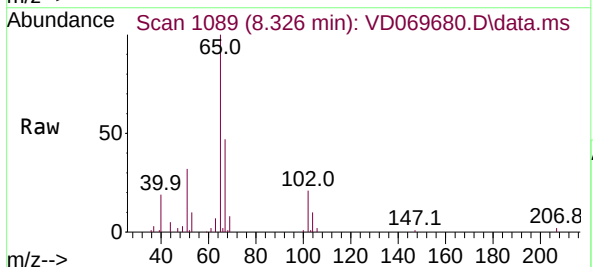
Instrument :
MSVOA_D
ClientSampleId :

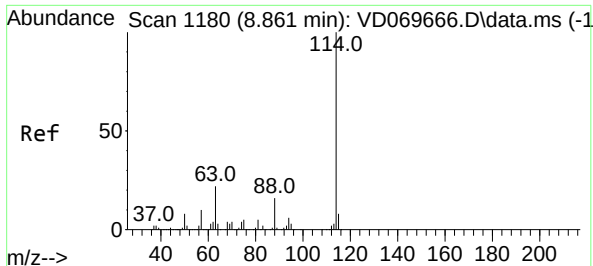
Tgt Ion: 56 Resp: 1483
Ion Ratio Lower Upper
56 100
69 211.5 26.6 39.8#
84 97.7 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 81.344 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

Tgt Ion: 65 Resp: 65751
Ion Ratio Lower Upper
65 100
67 54.1 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: VD069680.D

Acq: 13 Jul 2021 19:55

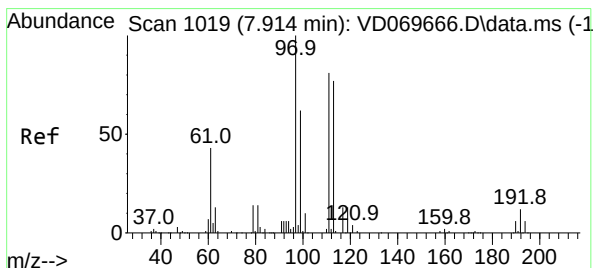
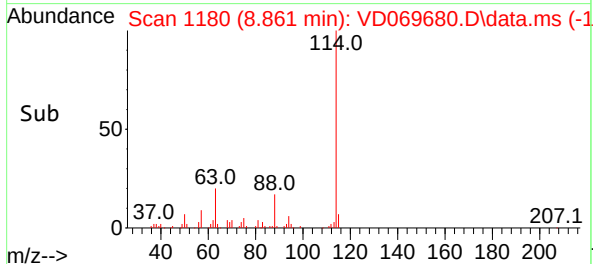
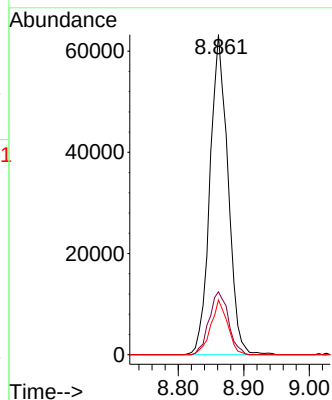
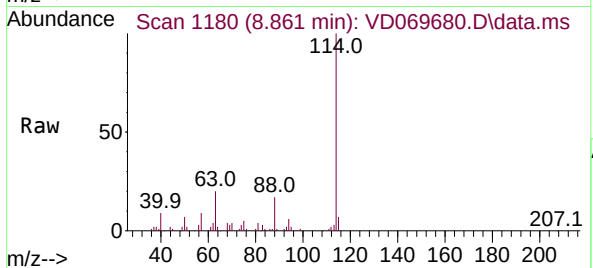
Tgt Ion:114 Resp: 120589

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.4

88 17.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 55.324 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069680.D

Acq: 13 Jul 2021 19:55

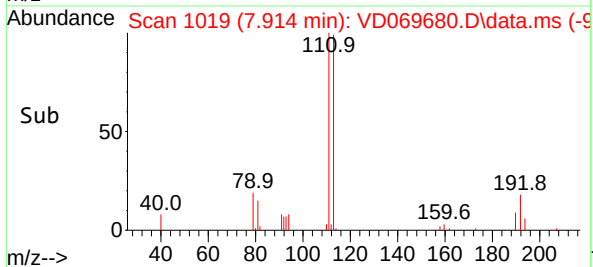
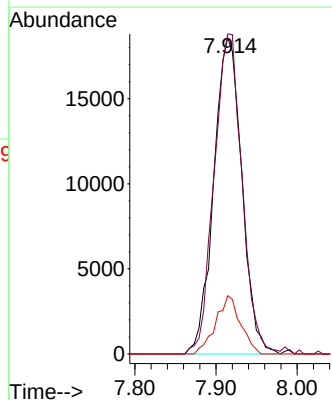
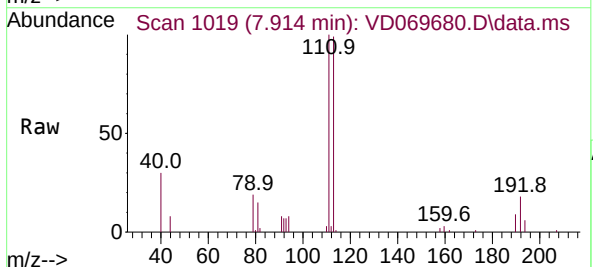
Tgt Ion:113 Resp: 44758

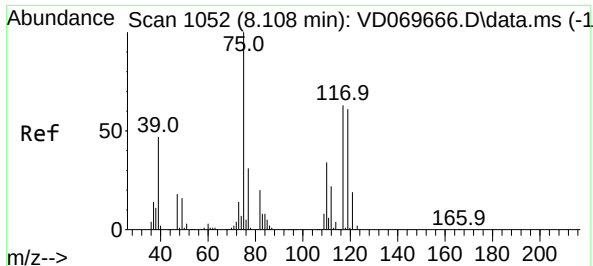
Ion Ratio Lower Upper

113 100

111 100.3 82.6 123.8

192 16.2 12.7 19.1



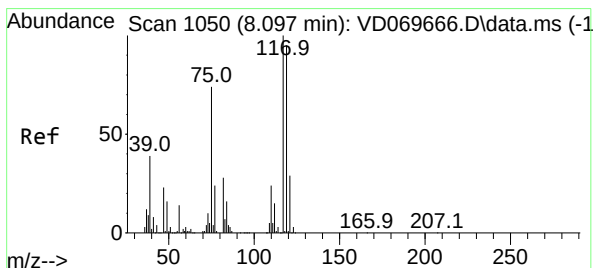
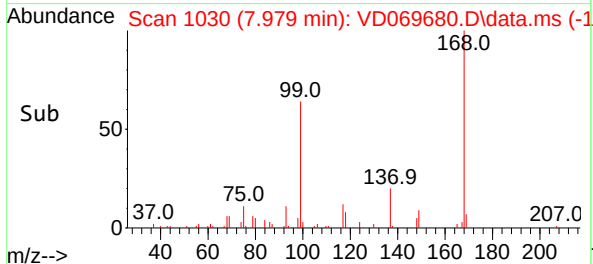
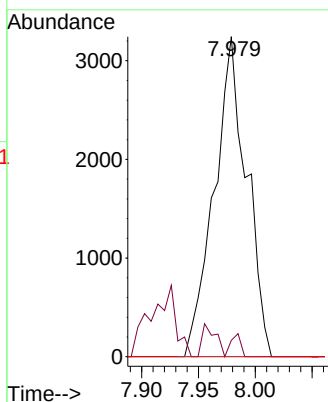
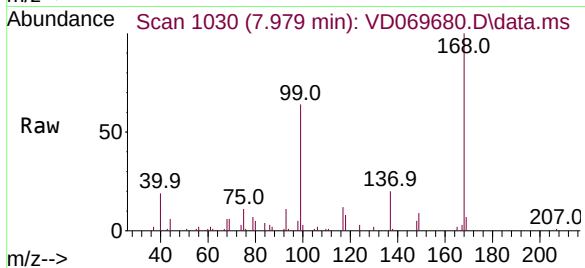


#36

1,1-Dichloropropene
Concen: 5.180 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

Instrument :
MSVOA_D
ClientSampled :

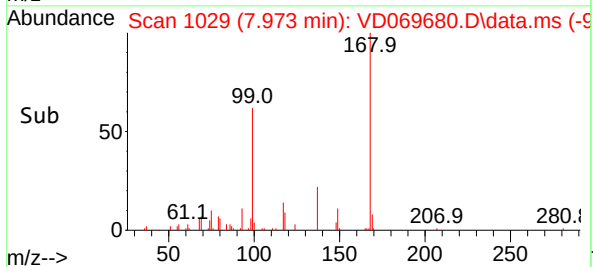
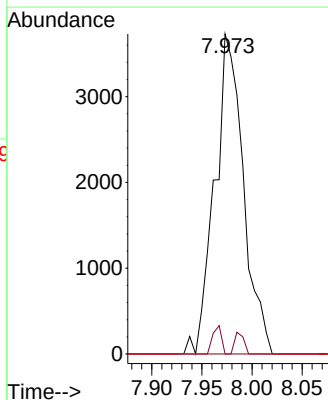
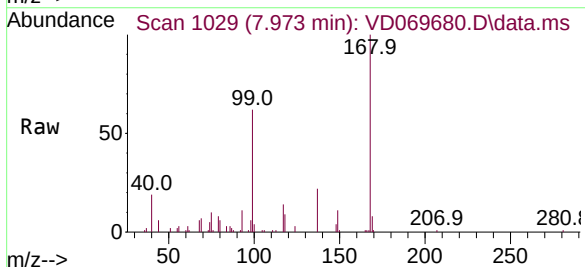
Tgt Ion: 75 Resp: 6444
Ion Ratio Lower Upper
75 100
110 2.2 16.7 50.0#
77 0.0 25.3 37.9#

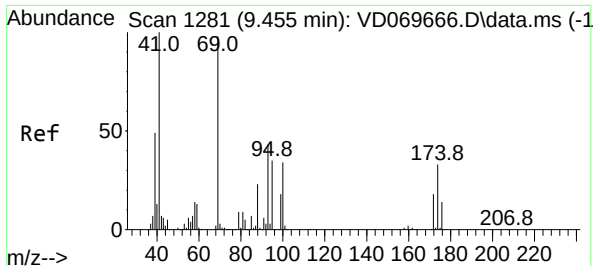


#38

Carbon Tetrachloride
Concen: 6.491 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

Tgt Ion: 117 Resp: 7395
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#





#48

Methyl methacrylate

Concen: 1.325 ug/l

RT: 9.414 min Scan# 1274

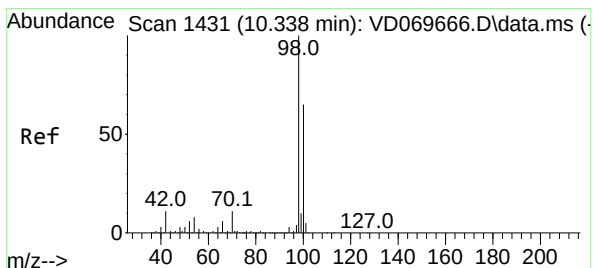
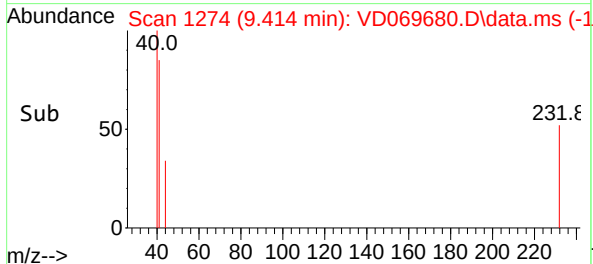
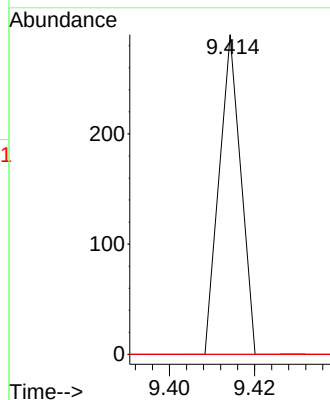
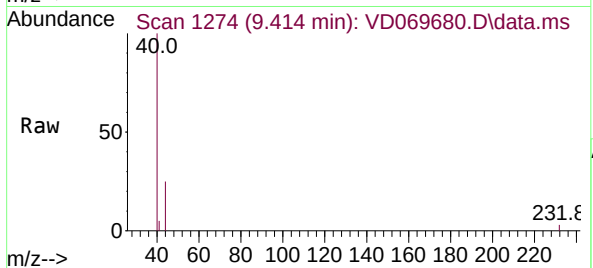
Delta R.T. -0.041 min

Lab File: VD069680.D

Acq: 13 Jul 2021 19:55

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 41	Resp: 102
Ion Ratio	Lower Upper
41	100
69	0.0 71.6 107.4#
39	0.0 36.7 55.1#



#50

Toluene-d8

Concen: 49.863 ug/l

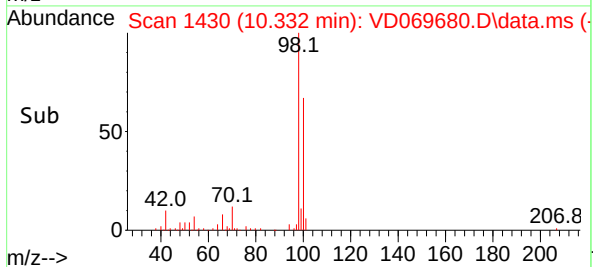
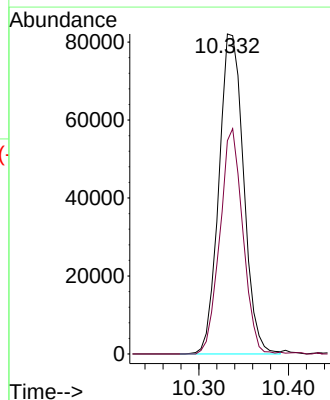
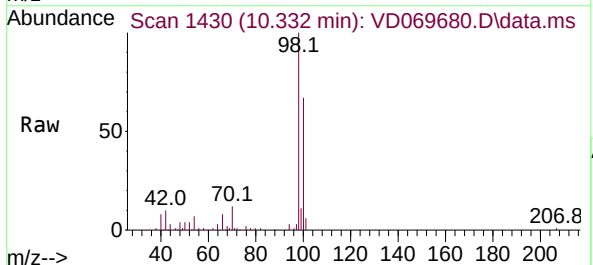
RT: 10.332 min Scan# 1430

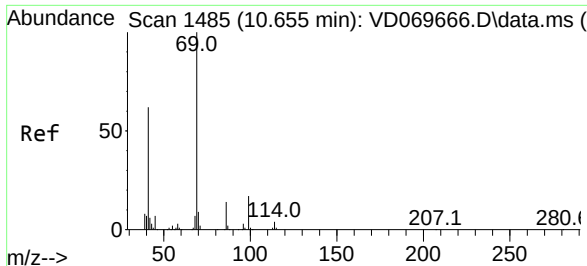
Delta R.T. -0.006 min

Lab File: VD069680.D

Acq: 13 Jul 2021 19:55

Tgt Ion: 98	Resp: 156720
Ion Ratio	Lower Upper
98	100
100	65.6 52.2 78.2

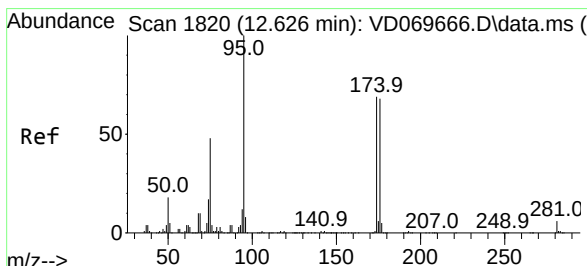
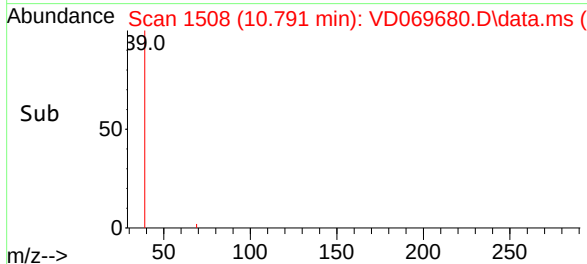
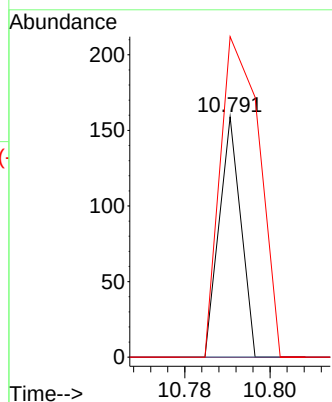
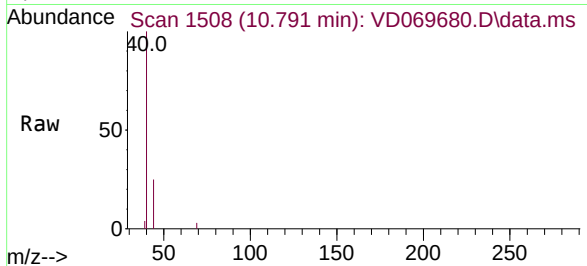




#56
Ethyl methacrylate
Concen: 1.731 ug/l
RT: 10.791 min Scan# 1508
Delta R.T. 0.136 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

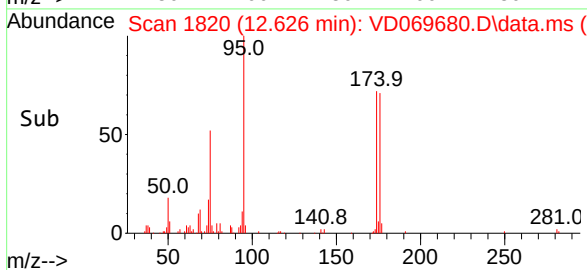
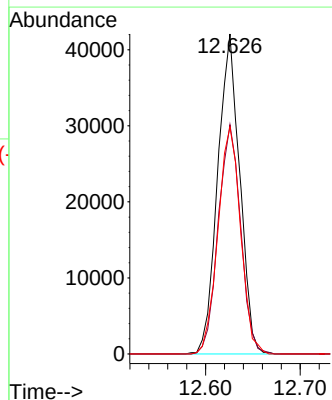
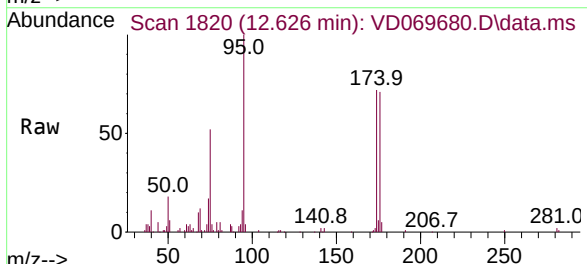
Instrument :
MSVOA_D
ClientSampled :

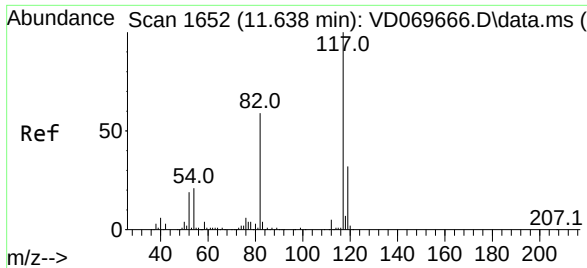
Tgt Ion: 69 Resp: 56
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 241.1 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 64.964 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

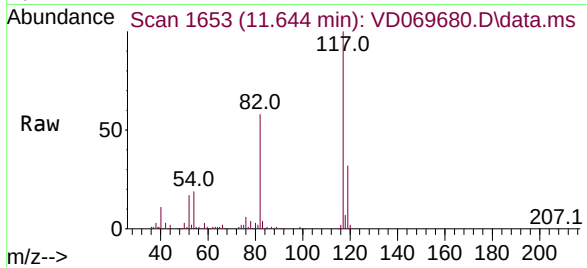
Tgt Ion: 95 Resp: 68097
Ion Ratio Lower Upper
95 100
174 72.5 0.0 140.0
176 72.6 0.0 136.2



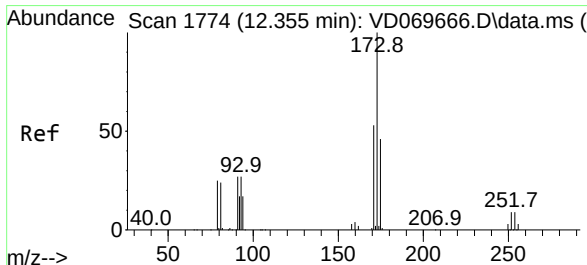
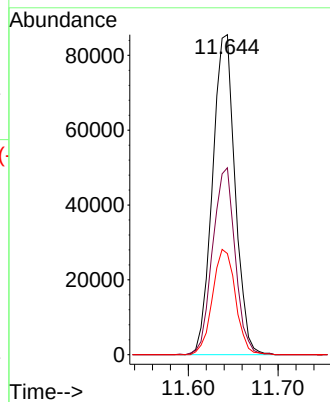
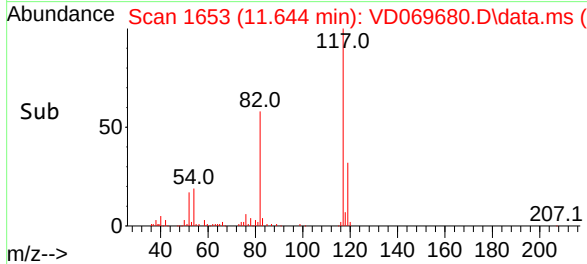


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

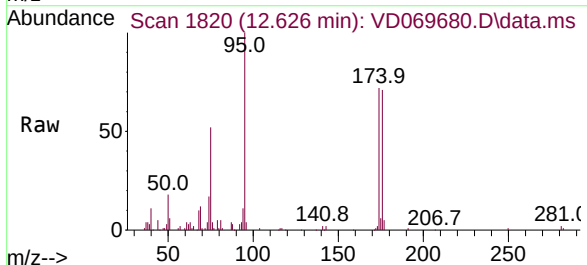
Instrument :
MSVOA_D
ClientSampleId :



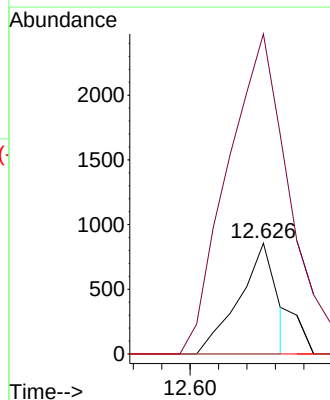
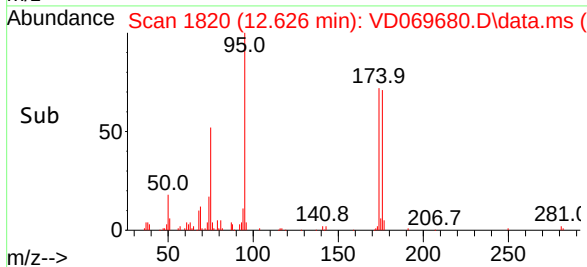
Tgt Ion:117 Resp: 149411
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 31.6 25.5 38.3

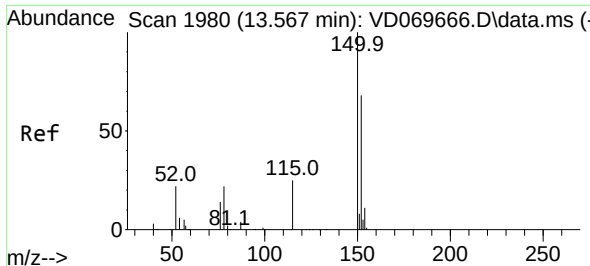


#71
Bromoform
Concen: 1.515 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55



Tgt Ion:173 Resp: 783
Ion Ratio Lower Upper
173 100
175 403.1 24.2 72.6#
254 0.0 0.1 0.1#

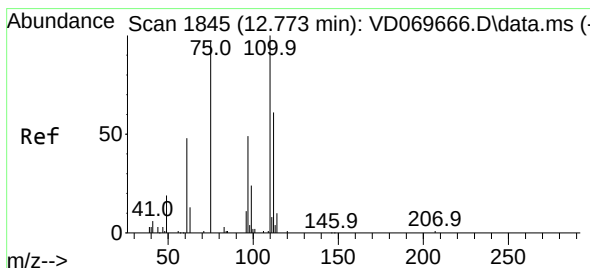
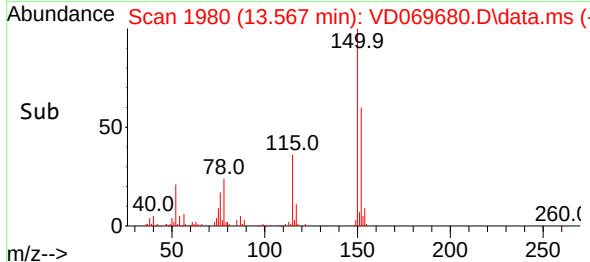
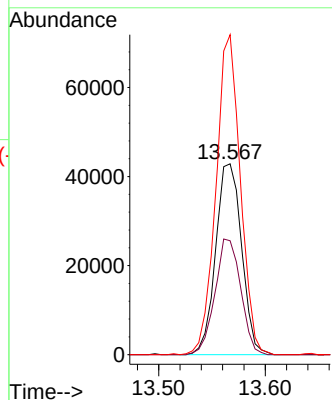
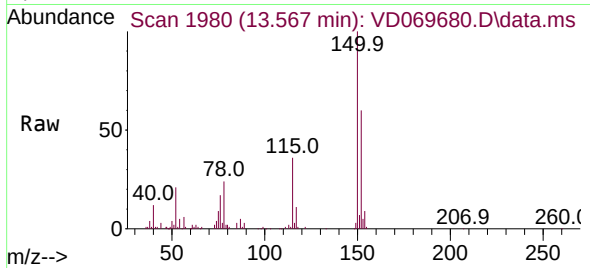




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069680.D
 Acq: 13 Jul 2021 19:55

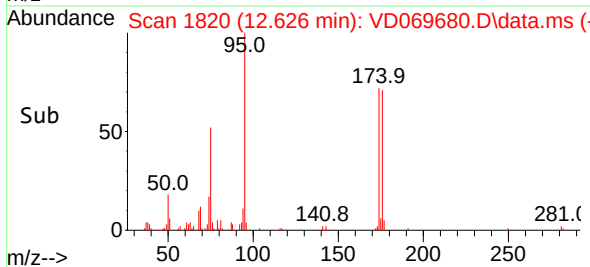
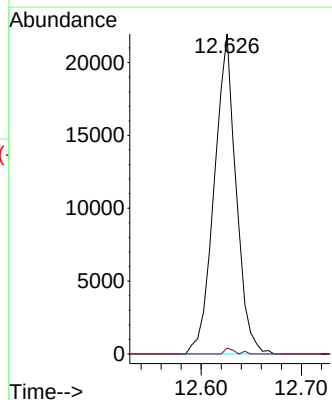
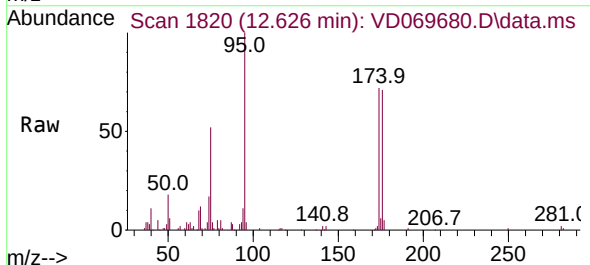
Instrument :
 MSVOA_D
 ClientSampleId :

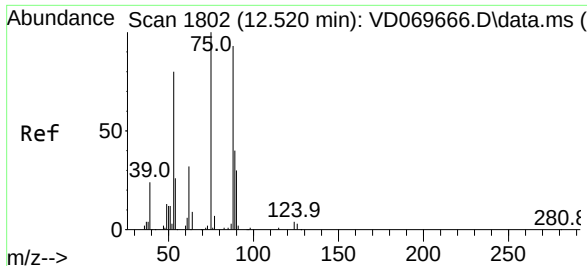
Tgt Ion:152 Resp: 72457
 Ion Ratio Lower Upper
 152 100
 115 60.1 31.7 95.1
 150 157.6 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 47.069 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069680.D
 Acq: 13 Jul 2021 19:55

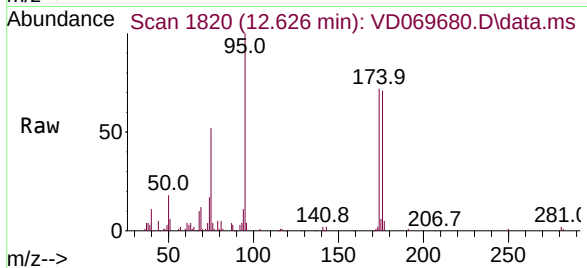
Tgt Ion: 75 Resp: 33132
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



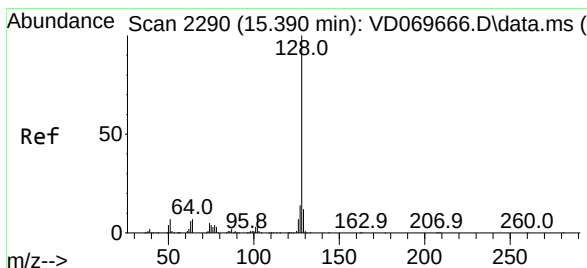
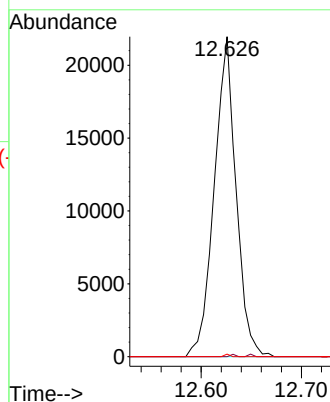
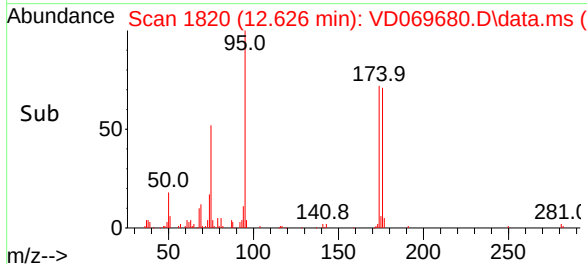


#81
trans-1,4-Dichloro-2-butene
Concen: 126.496 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55

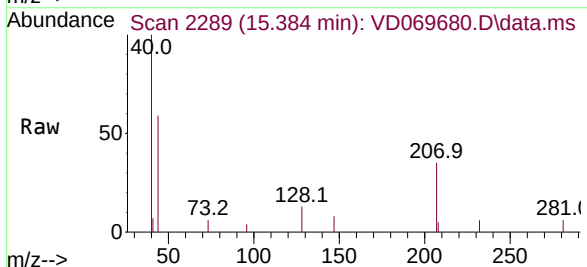
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 33132
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.2 35.1 52.7#



#95
Naphthalene
Concen: 2.497 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069680.D
Acq: 13 Jul 2021 19:55



Tgt Ion: 128 Resp: 699
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

