

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069789.D
 Acq On : 21 Jul 2021 14:20
 Operator : VA/SY
 Sample : M3109-01
 Misc : 4.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:40:48 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)

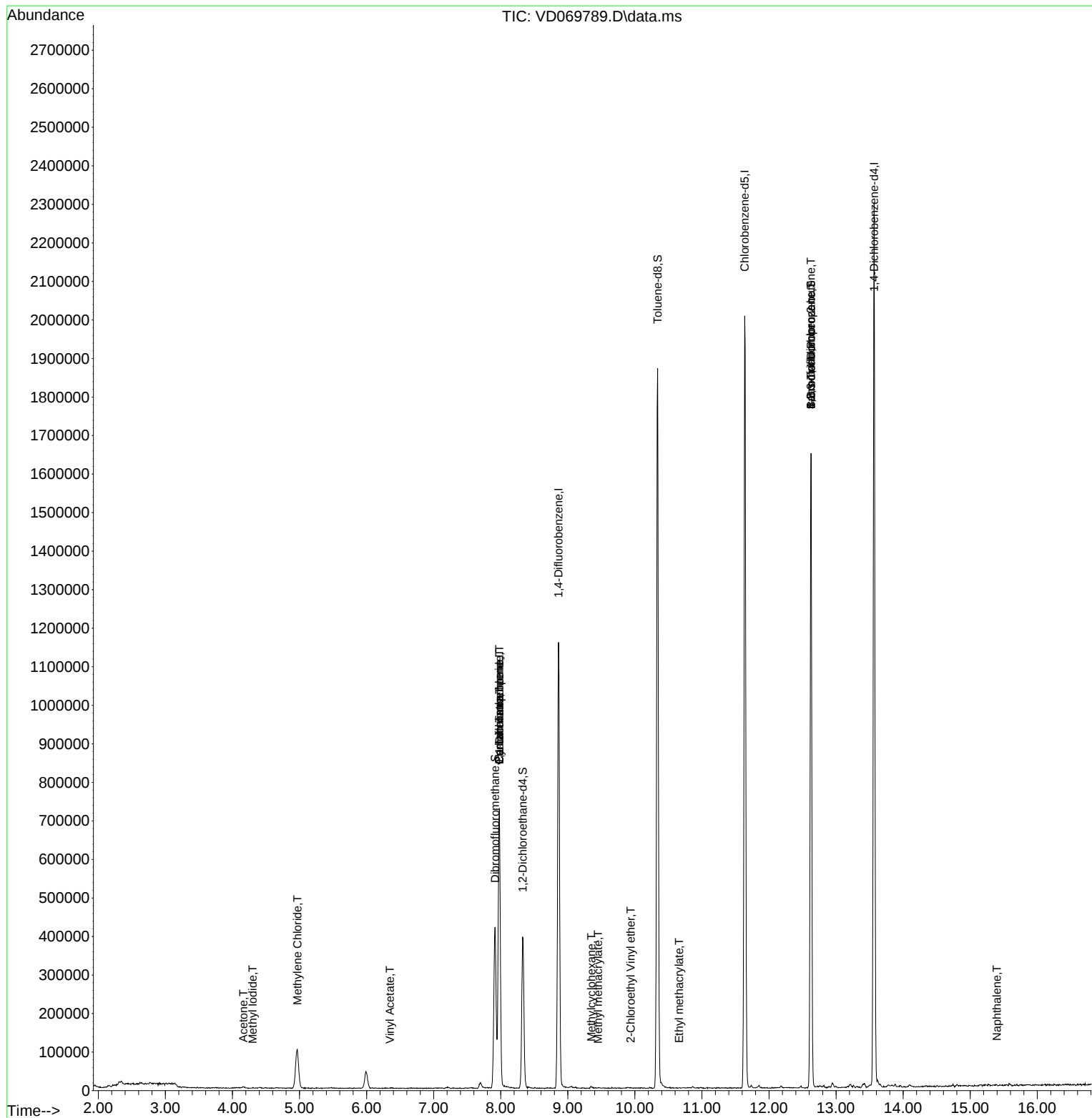
Internal Standards						
1) Pentafluorobenzene	7.979	168	499470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	971123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1173403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	581356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	313770	50.312	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.620%	
35) Dibromofluoromethane	7.914	113	310486	47.656	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.320%	
50) Toluene-d8	10.338	98	1285871	50.803	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	12.626	95	564957	66.926	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 133.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	1664	Below Cal	#	61
5) Bromomethane	2.773	94	2553	Below Cal	#	64
10) Methyl Iodide	4.303	142	1154	2.645	ug/l #	57
16) Acetone	4.162	43	4974	16.557	ug/l #	84
18) Methyl Acetate	4.709	43	82	Below Cal	#	49
20) Methylene Chloride	4.967	84	80335	4.659	ug/l	95
23) Vinyl Acetate	6.350	43	459	15.469	ug/l #	72
31) Cyclohexane	7.979	56	13219	1.640	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	44850	4.477	ug/l #	50
38) Carbon Tetrachloride	7.979	117	55204	6.017	ug/l #	16
39) Methylcyclohexane	9.350	83	853	2.027	ug/l #	58
48) Methyl methacrylate	9.450	41	431	1.219	ug/l #	84
56) Ethyl methacrylate	10.661	69	714	1.769	ug/l #	28
58) 2-Chloroethyl Vinyl ether	9.938	63	122	9.400	ug/l #	49
71) Bromoform	12.626	173	4665	1.149	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	280922	49.741	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	280922	133.676	ug/l #	14
95) Naphthalene	15.396	128	1629	2.290	ug/l #	85

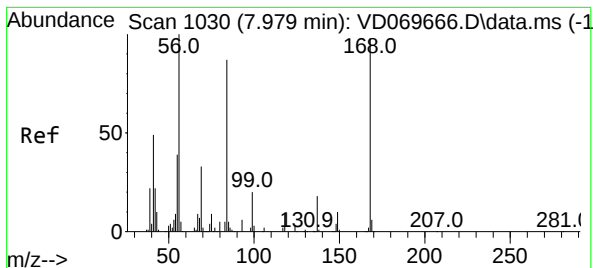
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 14 06:00:31 2021
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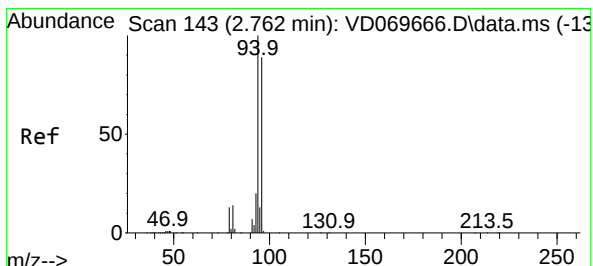
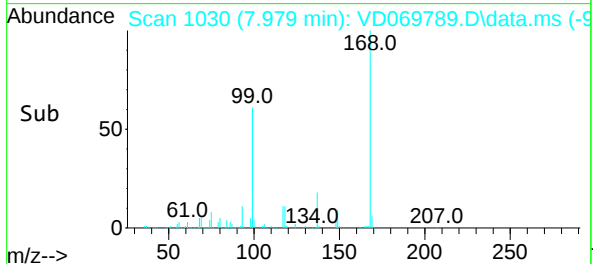
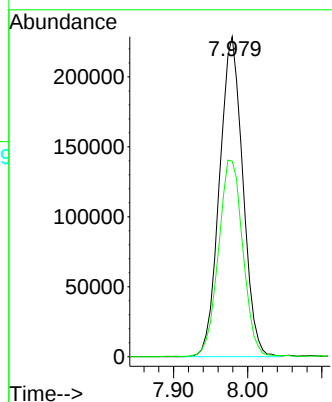
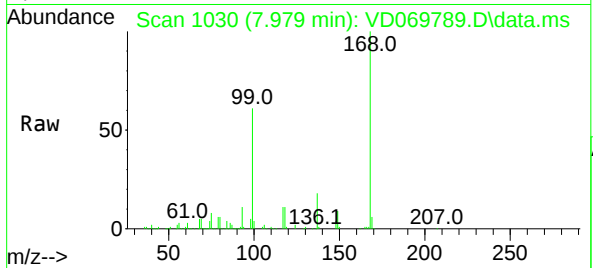




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

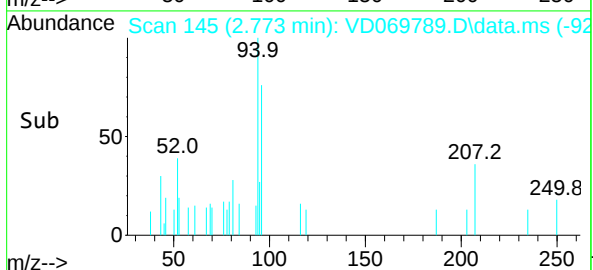
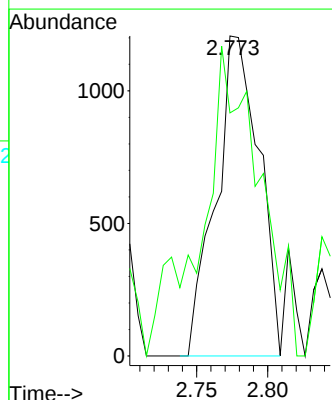
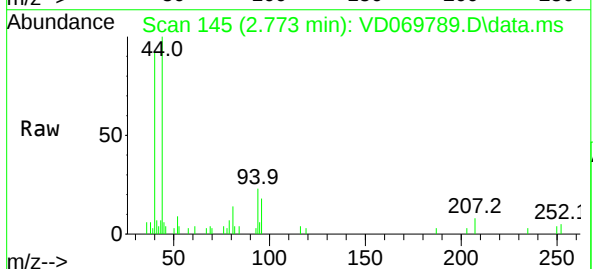
Instrument :
MSVOA_D
ClientSampleId :

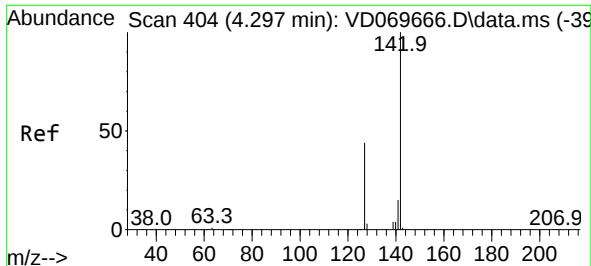
Tgt Ion:168 Resp: 499470
Ion Ratio Lower Upper
168 100
99 61.0 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

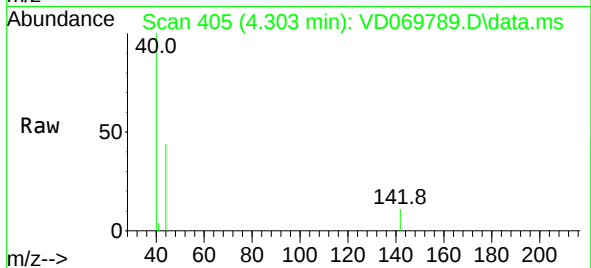
Tgt Ion: 94 Resp: 2553
Ion Ratio Lower Upper
94 100
96 55.3 71.2 106.8#



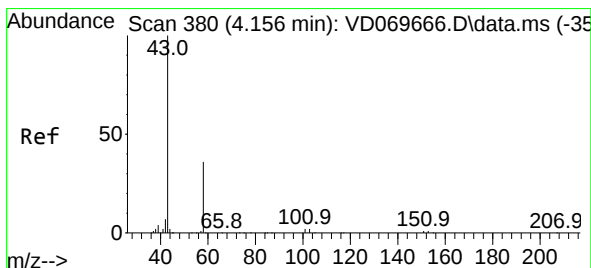
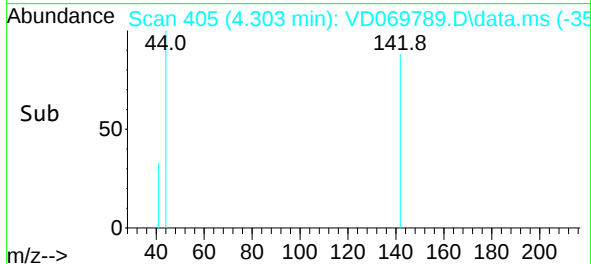
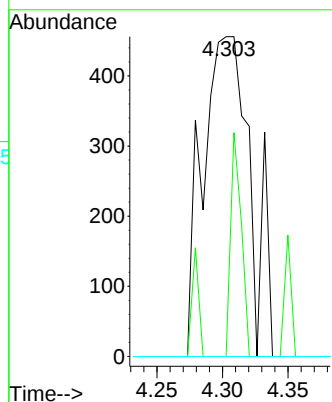


#10
Methyl Iodide
Concen: 2.645 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

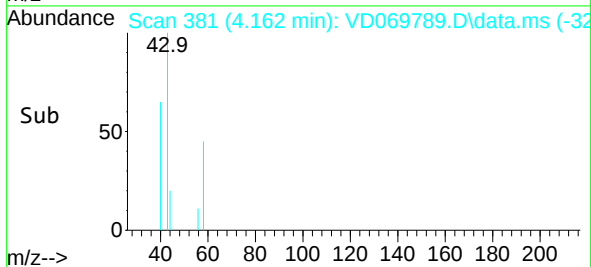
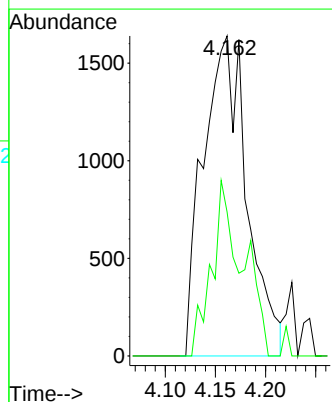
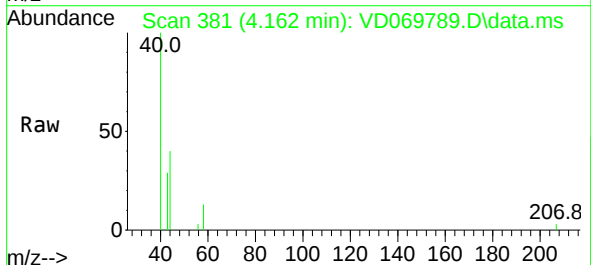


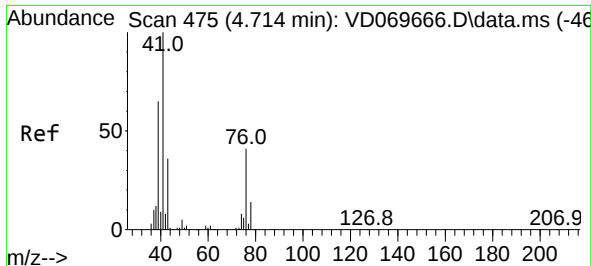
Tgt Ion:142 Resp: 1154
Ion Ratio Lower Upper
142 100
127 15.5 36.1 54.1#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 16.557 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Tgt Ion: 43 Resp: 4974
Ion Ratio Lower Upper
43 100
58 45.0 28.6 42.8#

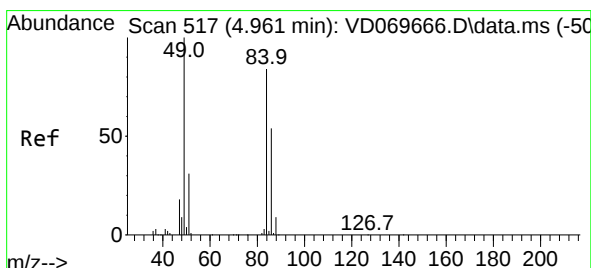
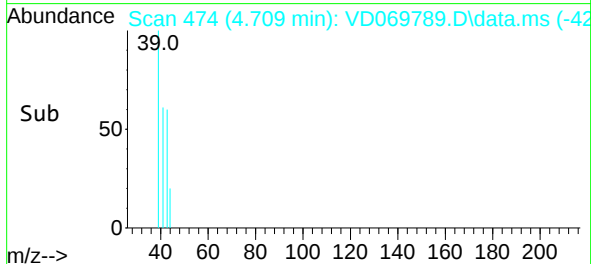
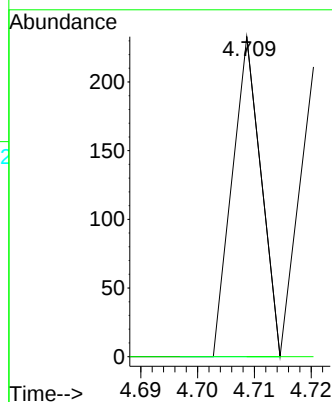
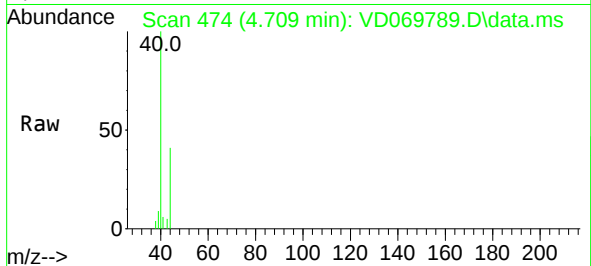




#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.005 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

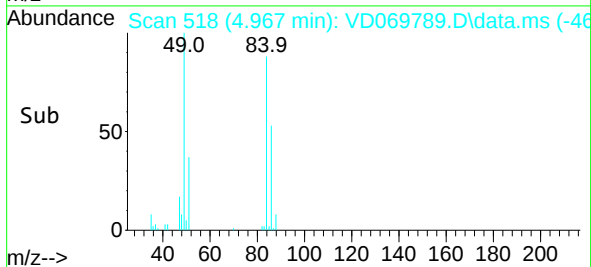
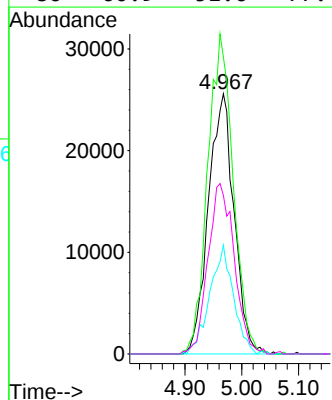
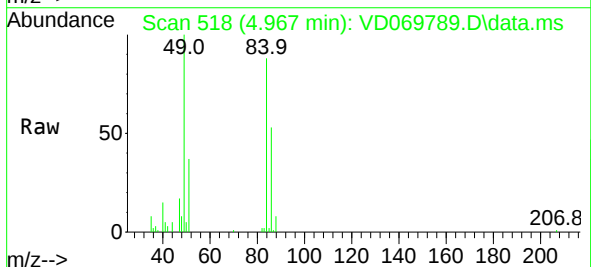
Instrument :
MSVOA_D
ClientSampleId :

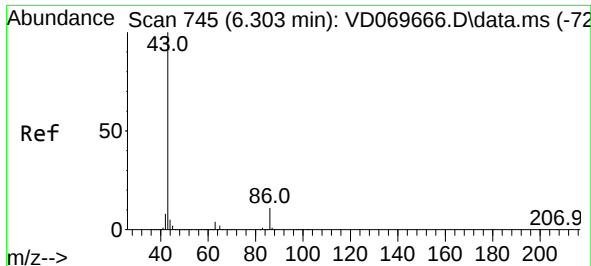
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 4.659 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Tgt Ion: 84 Resp: 80335
Ion Ratio Lower Upper
84 100
49 114.1 95.5 143.3
51 41.8 29.7 44.5
86 60.9 51.6 77.4

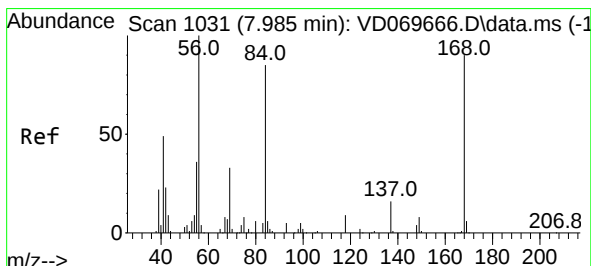
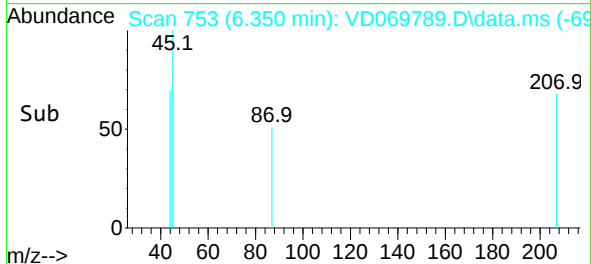
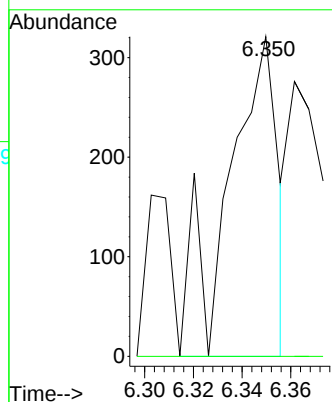
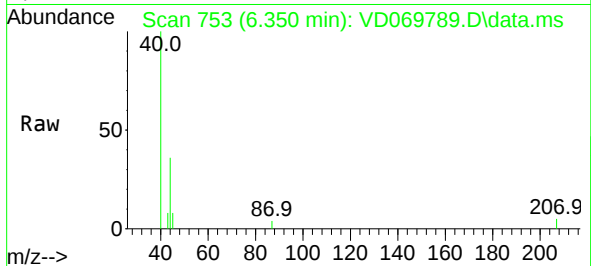




#23
 Vinyl Acetate
 Concen: 15.469 ug/l
 RT: 6.350 min Scan# 753
 Delta R.T. 0.047 min
 Lab File: VD069789.D
 Acq: 21 Jul 2021 14:20

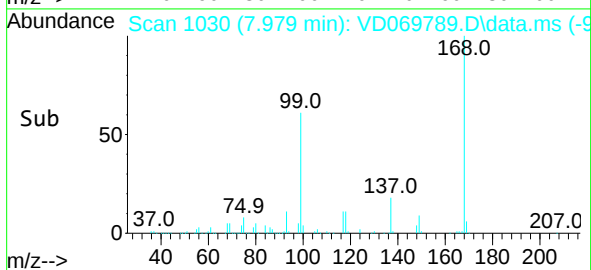
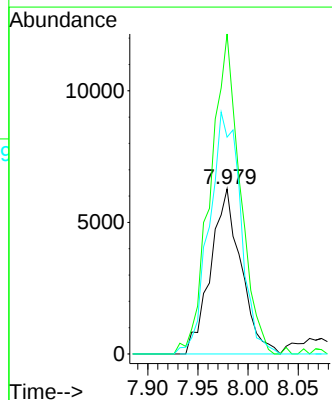
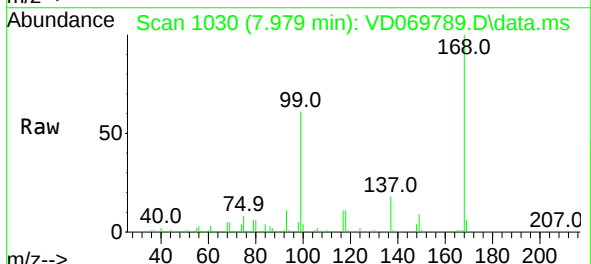
Instrument :
 MSVOA_D
 ClientSampled :

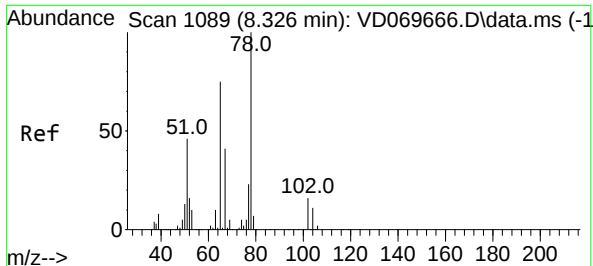
Tgt Ion: 43 Resp: 459
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.640 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069789.D
 Acq: 21 Jul 2021 14:20

Tgt Ion: 56 Resp: 13219
 Ion Ratio Lower Upper
 56 100
 69 193.8 26.6 39.8#
 84 138.2 68.2 102.2#



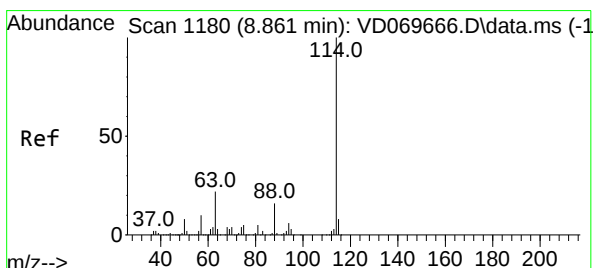
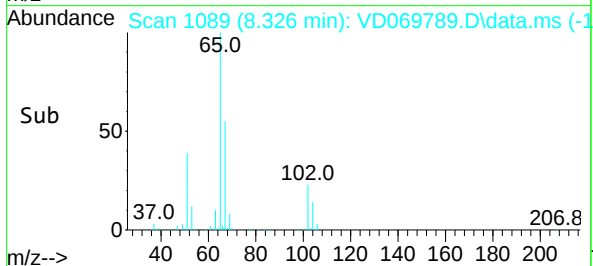
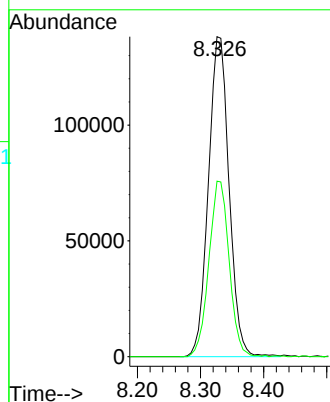
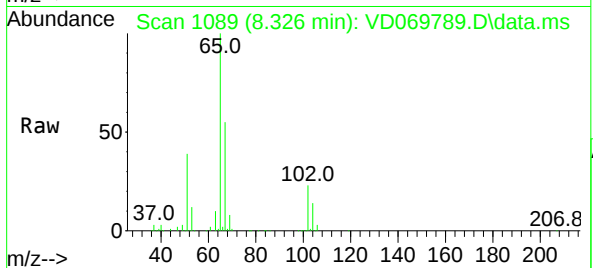


#33

1,2-Dichloroethane-d4
Concen: 50.312 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Instrument :
MSVOA_D
ClientSampled :

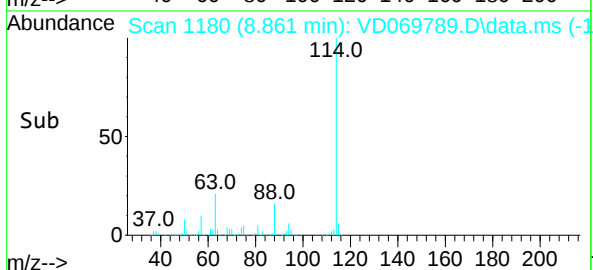
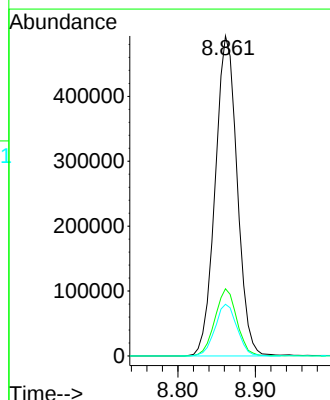
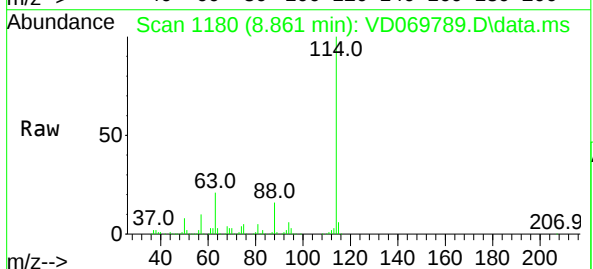
Tgt Ion: 65 Resp: 313770
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.2

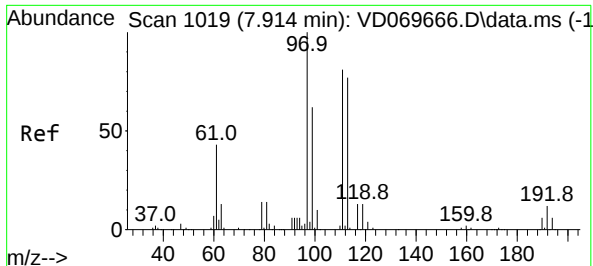


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Tgt Ion: 114 Resp: 971123
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.4
88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.656 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069789.D

Acq: 21 Jul 2021 14:20

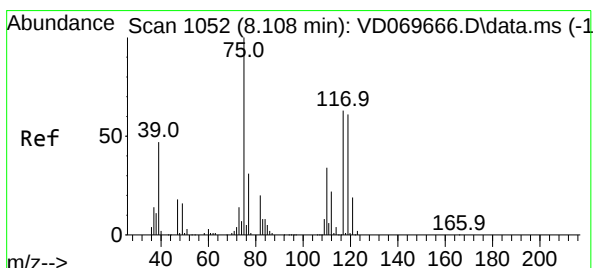
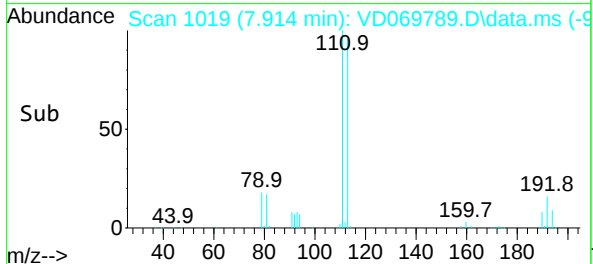
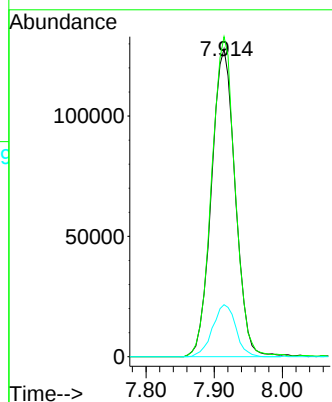
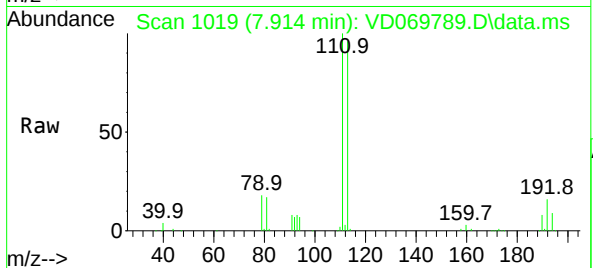
Tgt Ion:113 Resp: 310486

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 16.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.477 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069789.D

Acq: 21 Jul 2021 14:20

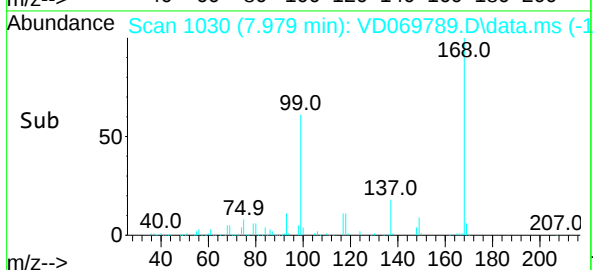
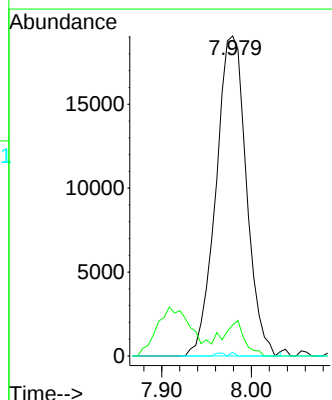
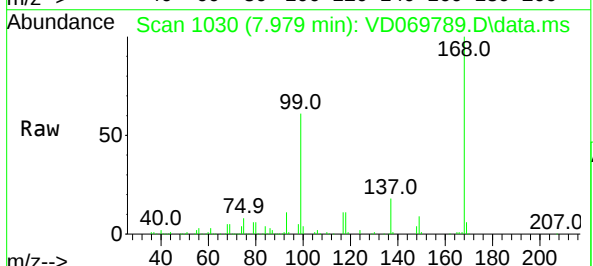
Tgt Ion: 75 Resp: 44850

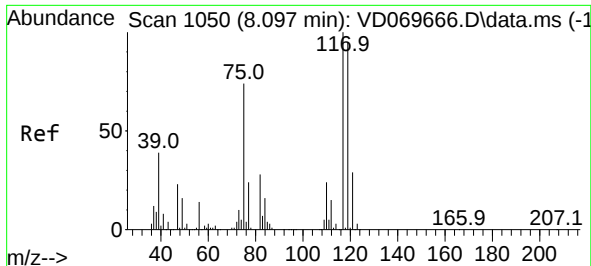
Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.0#

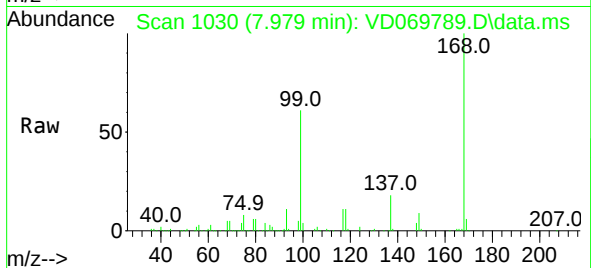
77 0.3 25.3 37.9#



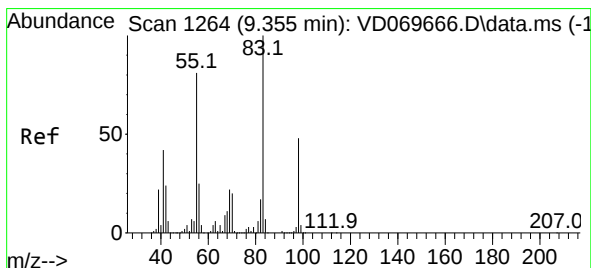
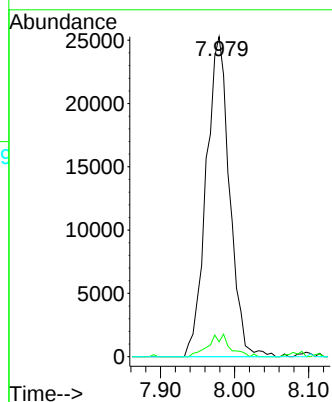
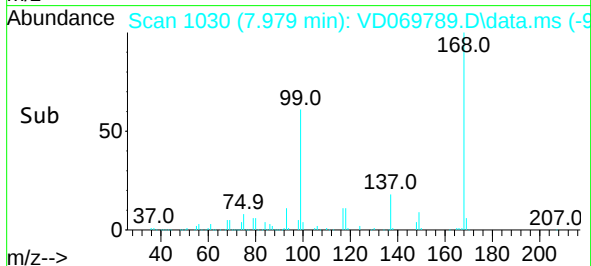


#38
Carbon Tetrachloride
Concen: 6.017 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

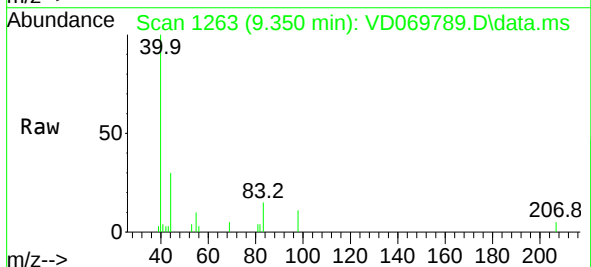
Instrument :
MSVOA_D
ClientSampleId :



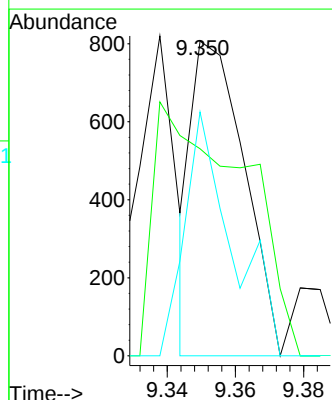
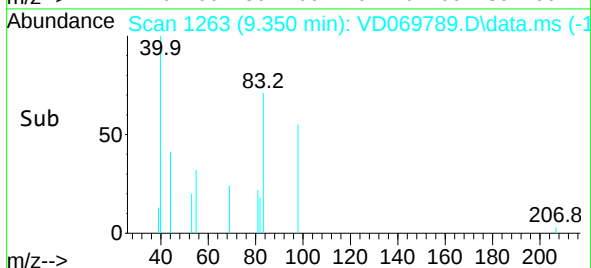
Tgt Ion:117 Resp: 55204
Ion Ratio Lower Upper
117 100
119 4.6 75.7 113.5#
121 0.0 23.0 34.6#

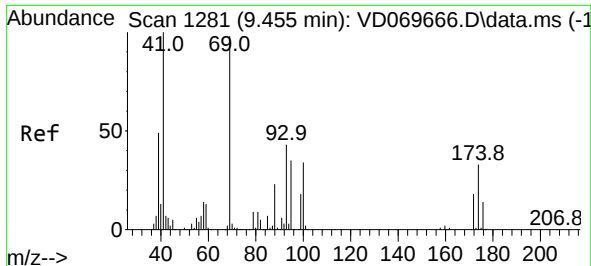


#39
Methylcyclohexane
Concen: 2.027 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20



Tgt Ion: 83 Resp: 853
Ion Ratio Lower Upper
83 100
55 44.5 64.6 97.0#
98 77.4 38.4 57.6#

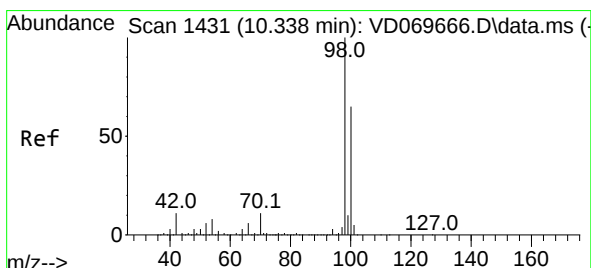
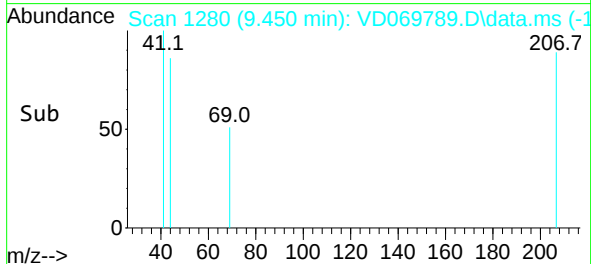
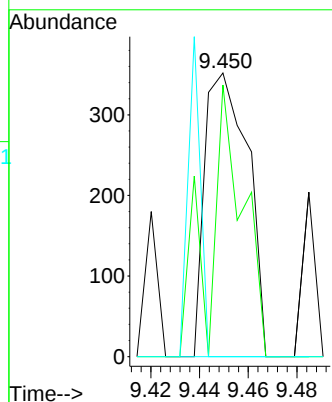
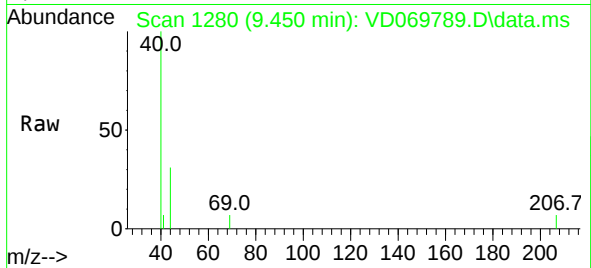




#48
Methyl methacrylate
Concen: 1.219 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.005 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

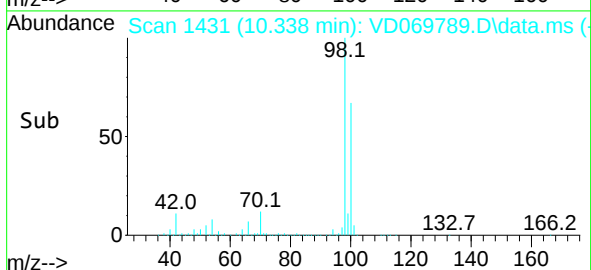
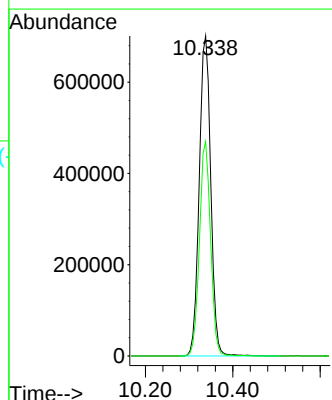
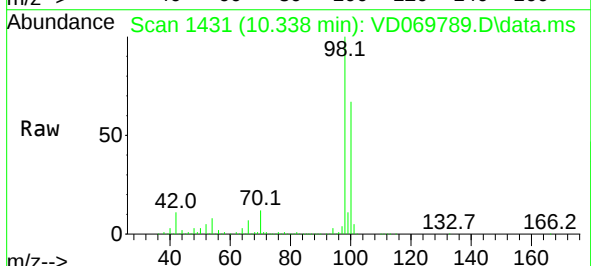
Instrument :
MSVOA_D
ClientSampleId :

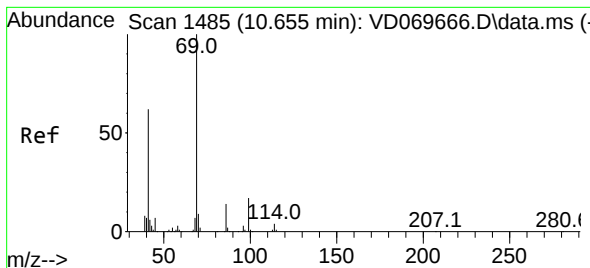
Tgt Ion: 41 Resp: 431
Ion Ratio Lower Upper
41 100
69 76.6 71.6 107.4
39 32.5 36.7 55.1#



#50
Toluene-d8
Concen: 50.803 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Tgt Ion: 98 Resp: 1285871
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

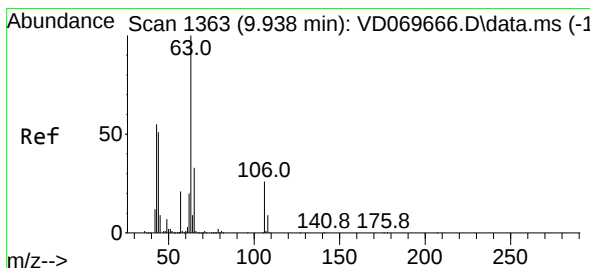
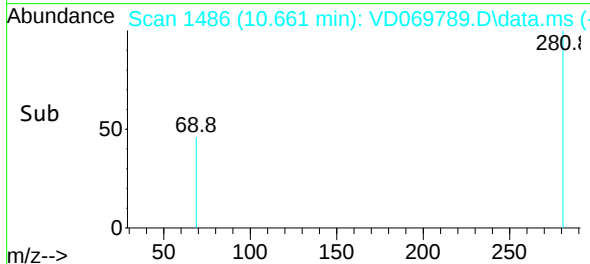
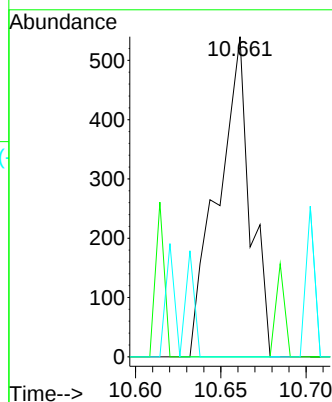
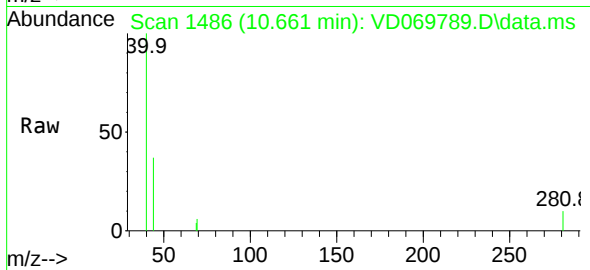




#56
Ethyl methacrylate
Concen: 1.769 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

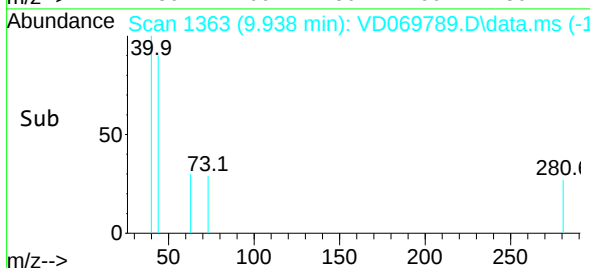
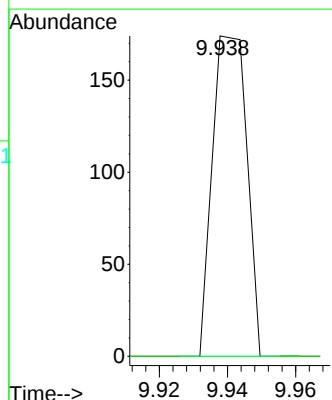
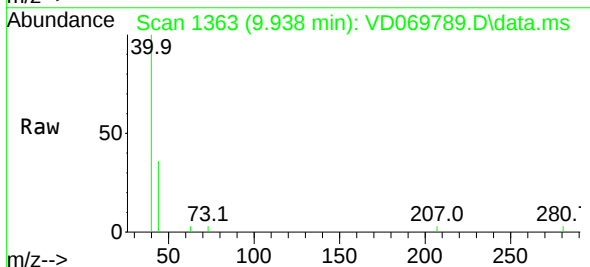
Instrument :
MSVOA_D
ClientSampled :

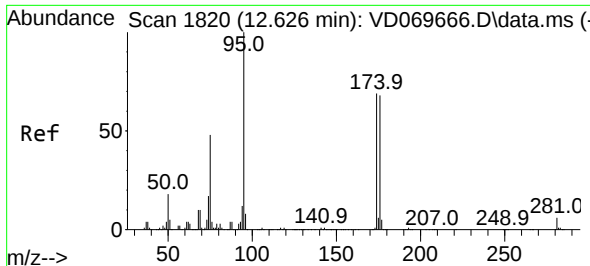
Tgt Ion: 69 Resp: 714
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 0.0 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.400 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Tgt Ion: 63 Resp: 122
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

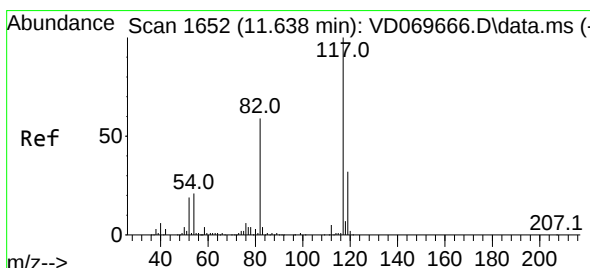
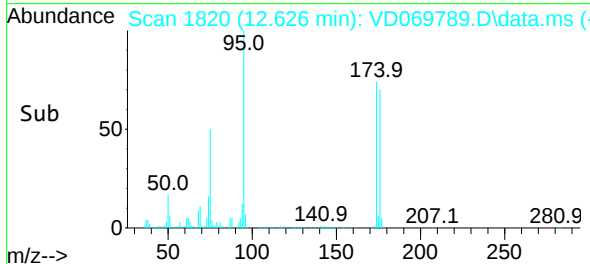
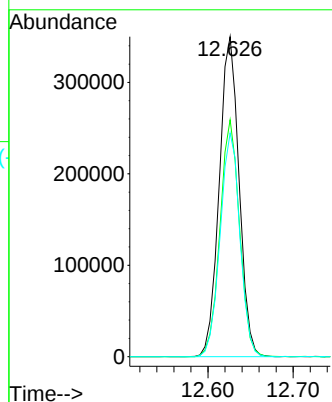
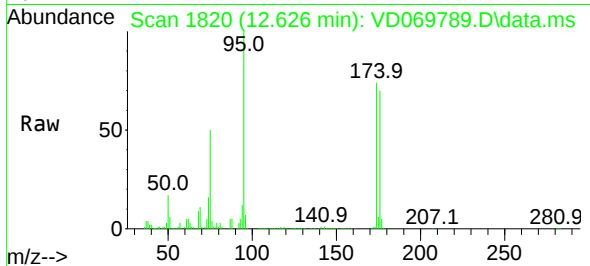




#62
4-Bromofluorobenzene
Concen: 66.926 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

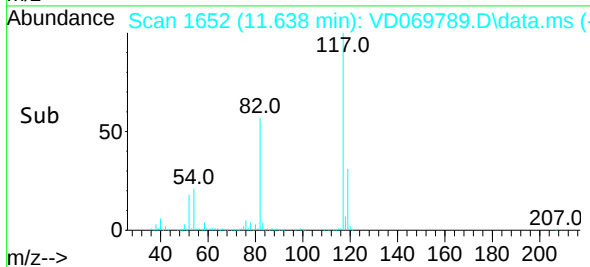
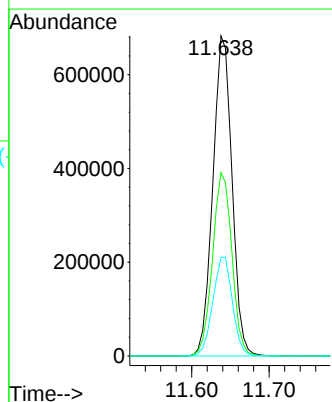
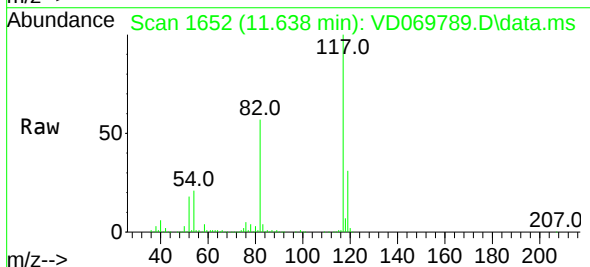
Instrument :
MSVOA_D
ClientSampleId :

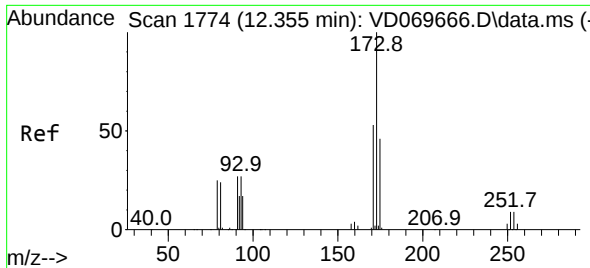
Tgt Ion: 95 Resp: 564957
Ion Ratio Lower Upper
95 100
174 73.2 0.0 140.0
176 69.7 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Tgt Ion: 117 Resp: 1173403
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 30.8 25.5 38.3

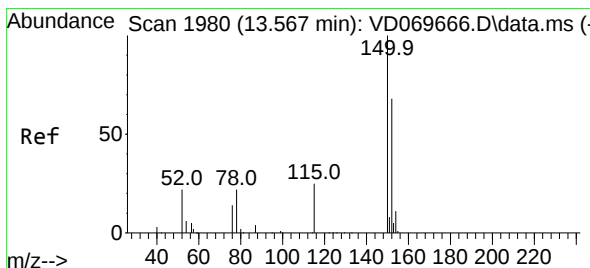
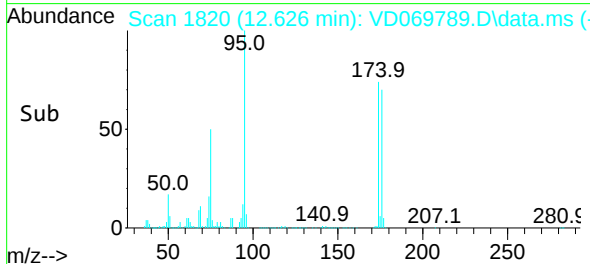
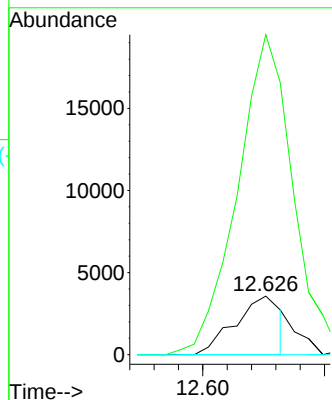
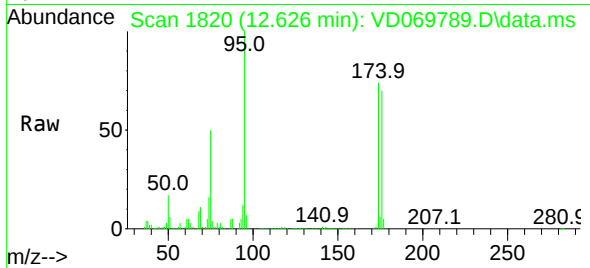




#71
Bromoform
Concen: 1.149 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

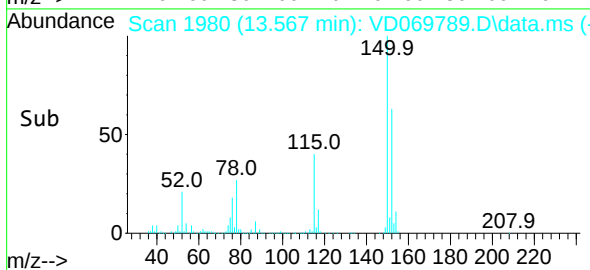
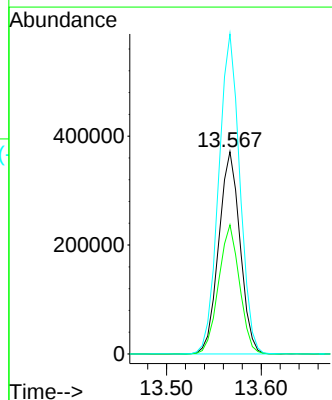
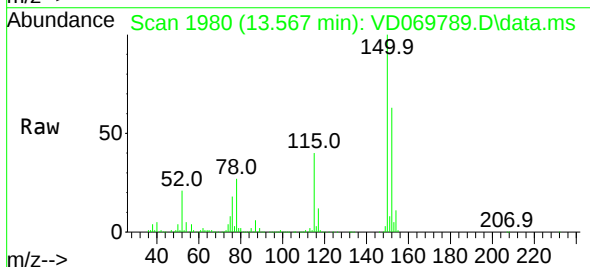
Instrument :
MSVOA_D
ClientSampleId :

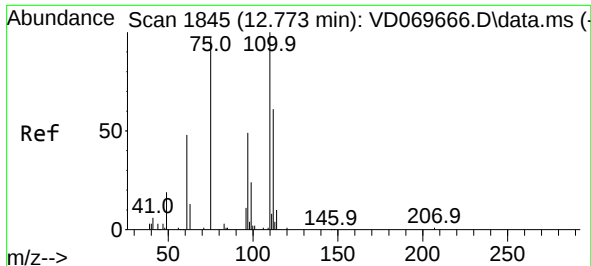
Tgt Ion:173 Resp: 4665
Ion Ratio Lower Upper
173 100
175 535.4 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Tgt Ion:152 Resp: 581356
Ion Ratio Lower Upper
152 100
115 62.8 31.7 95.1
150 157.4 0.0 350.4

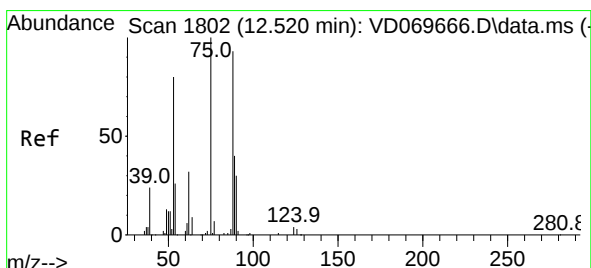
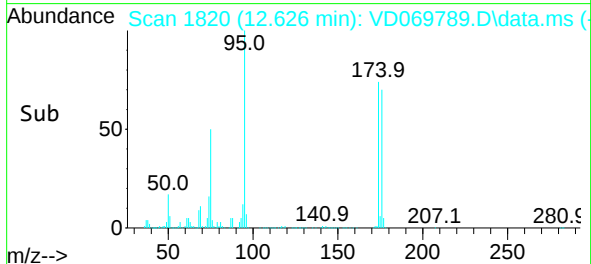
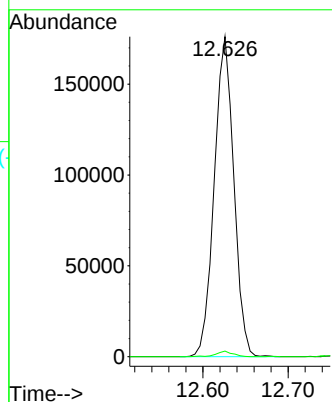
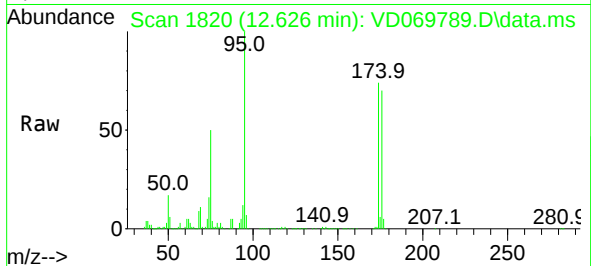




#76
1,2,3-Trichloropropane
Concen: 49.741 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

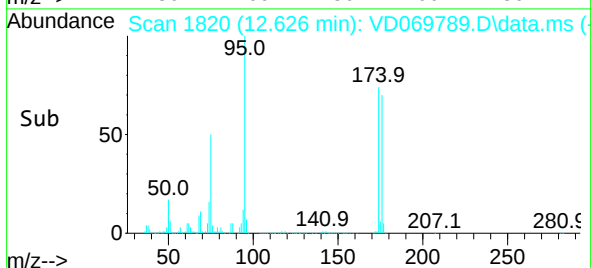
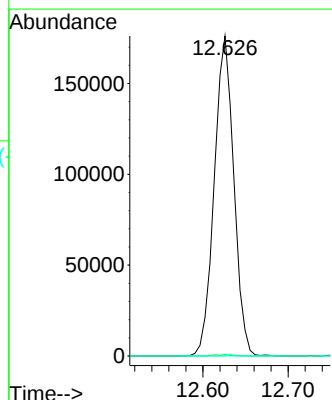
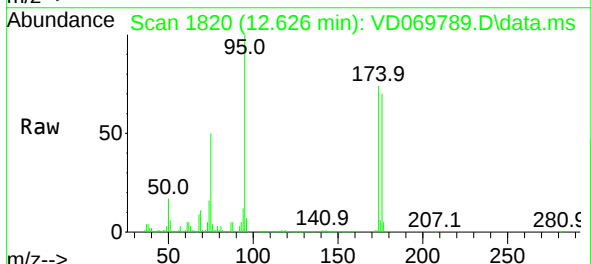
Instrument :
MSVOA_D
ClientSampleId :

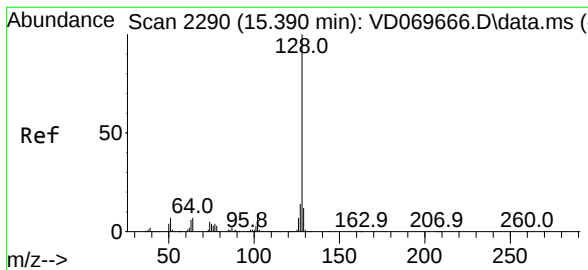
Tgt Ion: 75 Resp: 280922
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.676 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Tgt Ion: 75 Resp: 280922
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 2.290 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069789.D
Acq: 21 Jul 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1629
Ion Ratio Lower Upper
128 100
127 8.8 10.6 16.0#
129 18.0 8.8 13.2#

