

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070761.D
 Acq On : 19 Oct 2021 16:26
 Operator : VA/SY
 Sample : M4274-04
 Misc : 4.42G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2-CS

Quant Time: Oct 20 04:41:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

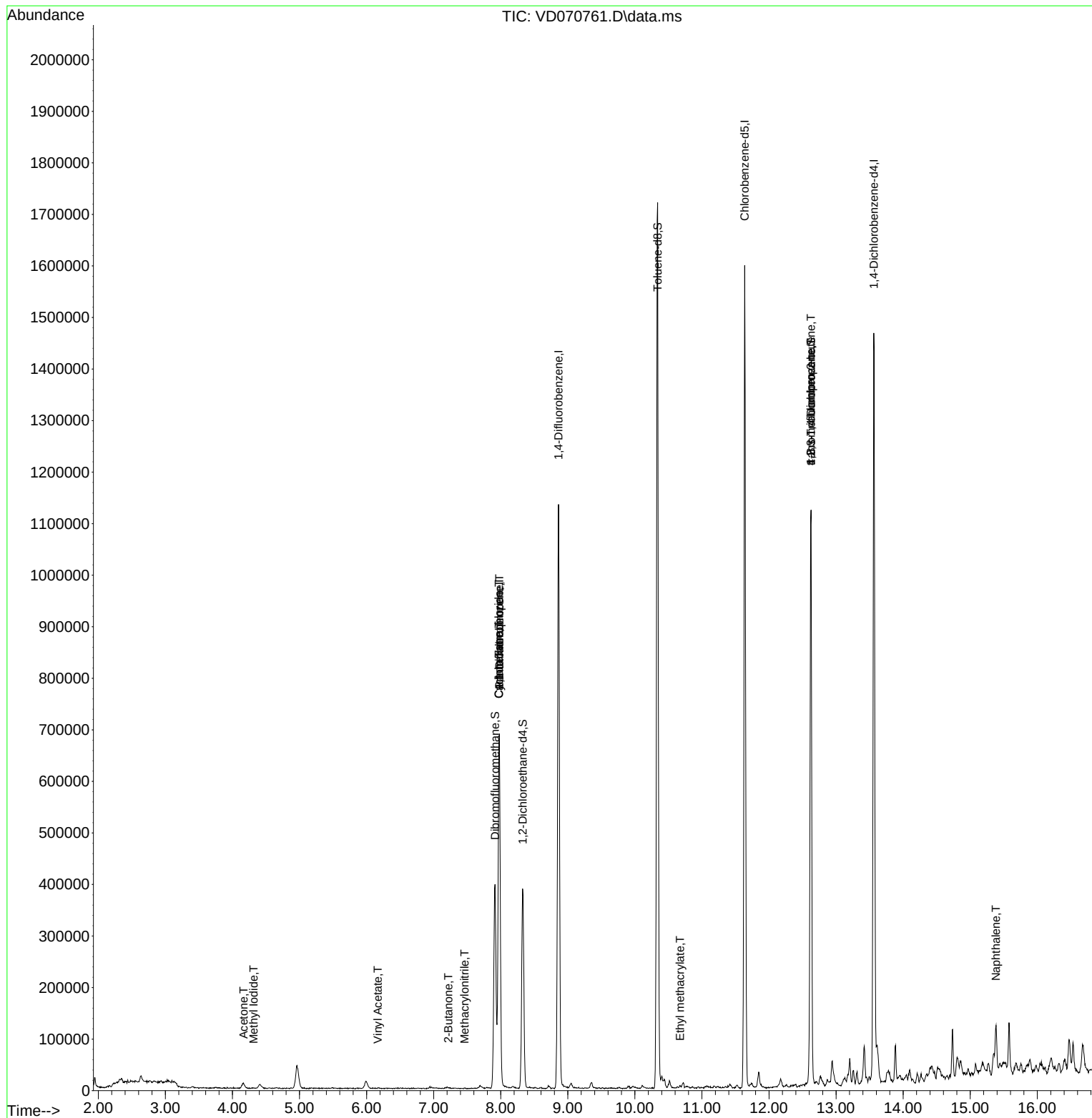
Internal Standards						
1) Pentafluorobenzene	7.979	168	491521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	900668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	844269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	377906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	310381	53.314	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.620%	
35) Dibromofluoromethane	7.914	113	284647	49.358	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.720%	
50) Toluene-d8	10.338	98	1147680	51.915	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.820%	
62) 4-Bromofluorobenzene	12.626	95	382834	50.293	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.580%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.315	142	468	3.391	ug/l #	88
16) Acetone	4.168	43	17225	12.267	ug/l	97
20) Methylene Chloride	4.962	84	32141	Below Cal		89
23) Vinyl Acetate	6.167	43	61	16.334	ug/l #	69
25) 2-Butanone	7.220	43	2151	1.240	ug/l #	87
31) Cyclohexane	7.973	56	13303	1.129	ug/l #	7
36) 1,1-Dichloropropene	7.979	75	43977	4.383	ug/l #	42
38) Carbon Tetrachloride	7.973	117	49666	5.168	ug/l #	16
41) Methacrylonitrile	7.461	41	74	1.971	ug/l #	16
56) Ethyl methacrylate	10.673	69	513	4.224	ug/l #	32
76) 1,2,3-Trichloropropane	12.626	75	194479	59.566	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	194479	130.467	ug/l #	17
95) Naphthalene	15.385	128	76026	10.411	ug/l	98

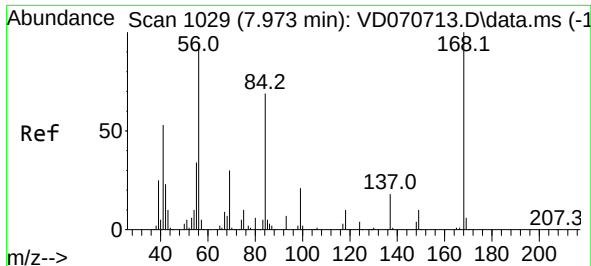
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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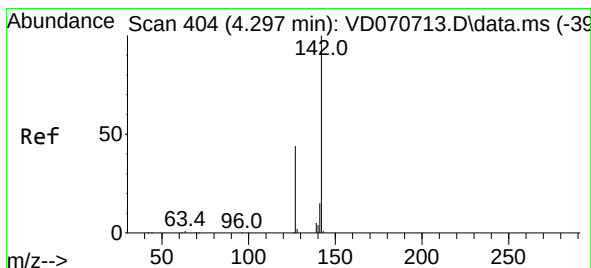
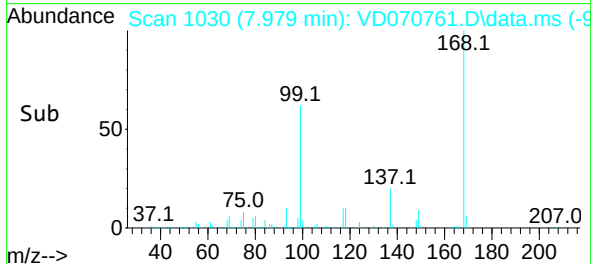
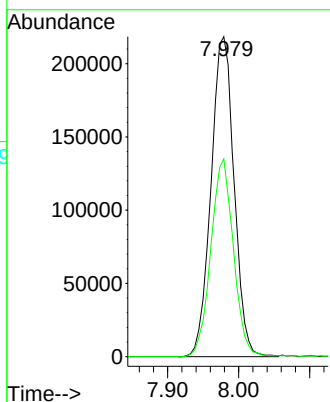
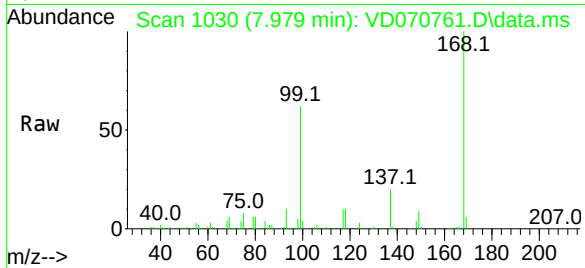




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

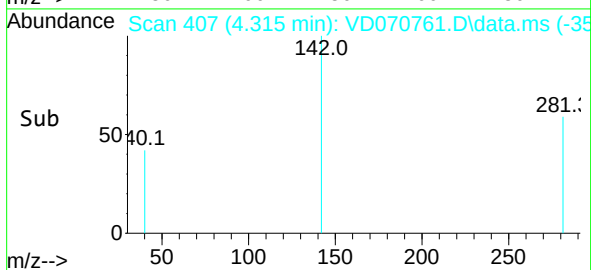
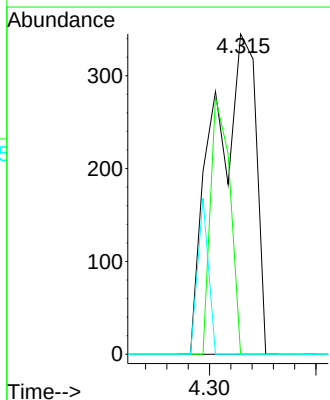
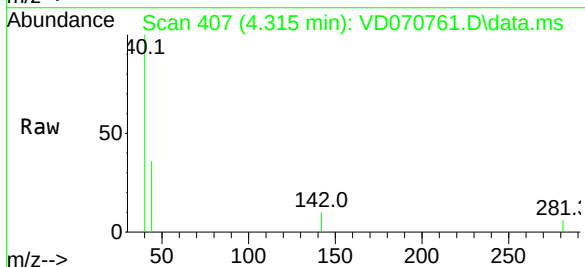
Instrument :
MSVOA_D
ClientSampleId :
WC-2-CS

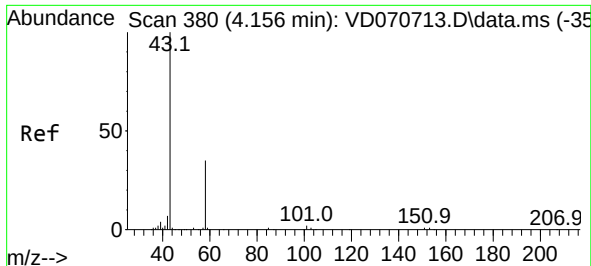
Tgt Ion:168 Resp: 491521
Ion Ratio Lower Upper
168 100
99 61.8 51.4 77.0



#10
Methyl Iodide
Concen: 3.391 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

Tgt Ion:142 Resp: 468
Ion Ratio Lower Upper
142 100
127 37.2 37.5 56.3#
141 12.6 12.1 18.1

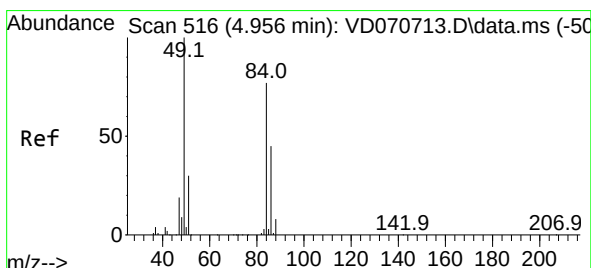
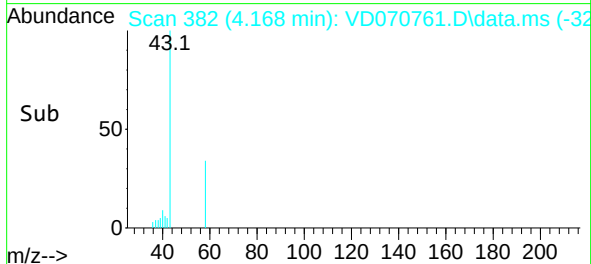
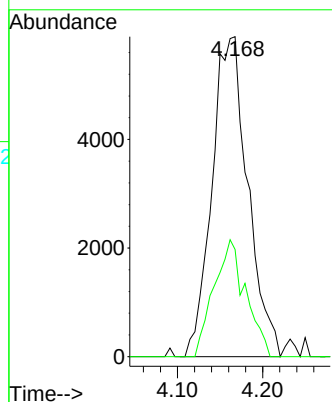
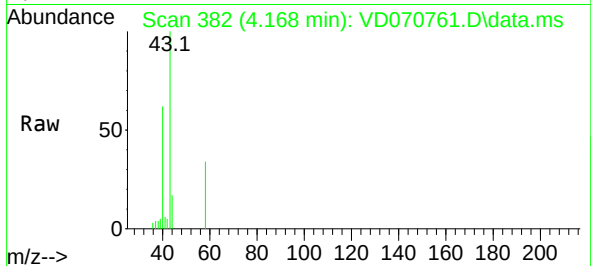




#16
Acetone
Concen: 12.267 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

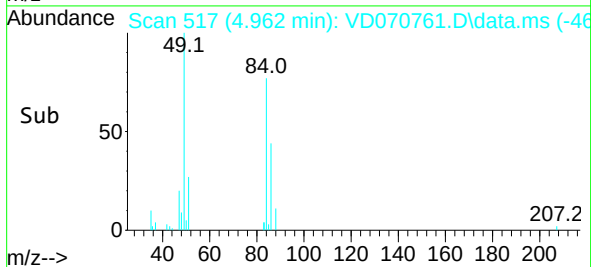
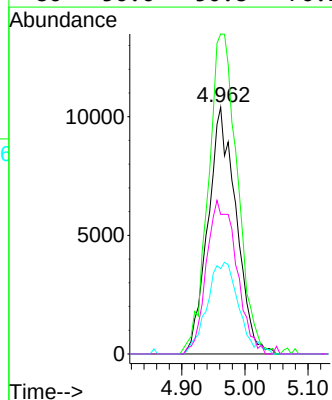
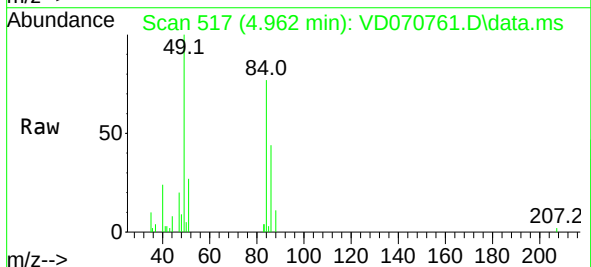
Instrument :
MSVOA_D
ClientSampleId :
WC-2-CS

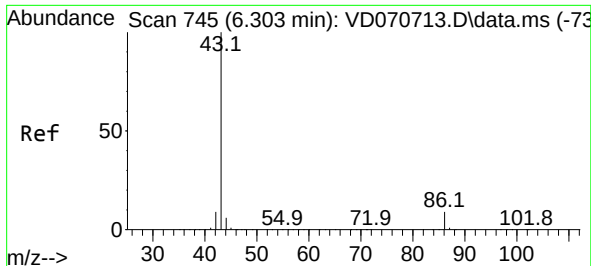
Tgt Ion: 43 Resp: 17225
Ion Ratio Lower Upper
43 100
58 33.5 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

Tgt Ion: 84 Resp: 32141
Ion Ratio Lower Upper
84 100
49 129.7 91.4 137.2
51 34.6 26.7 40.1
86 56.6 50.8 76.2

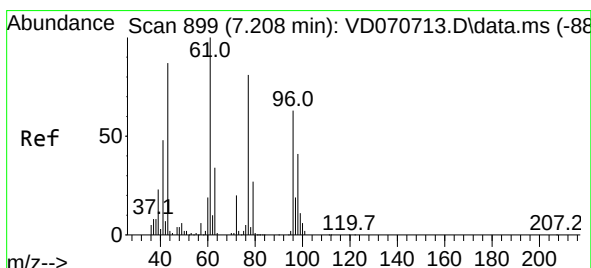
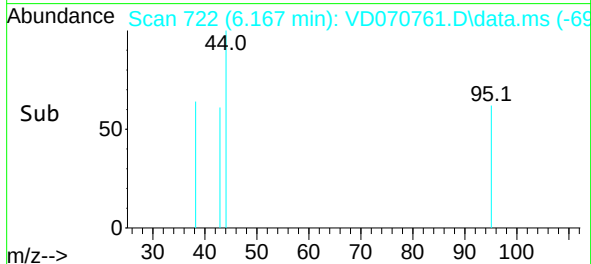
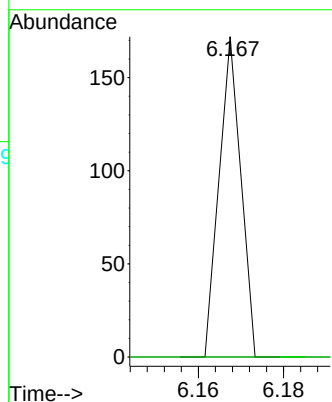
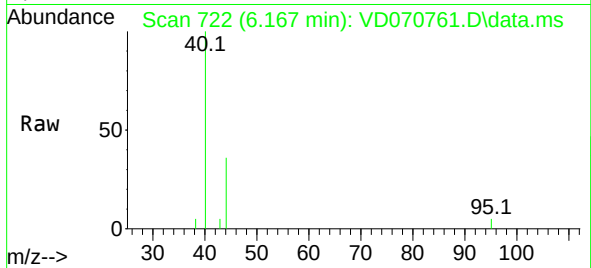




#23
 Vinyl Acetate
 Concen: 16.334 ug/l
 RT: 6.167 min Scan# 722
 Delta R.T. -0.136 min
 Lab File: VD070761.D
 Acq: 19 Oct 2021 16:26

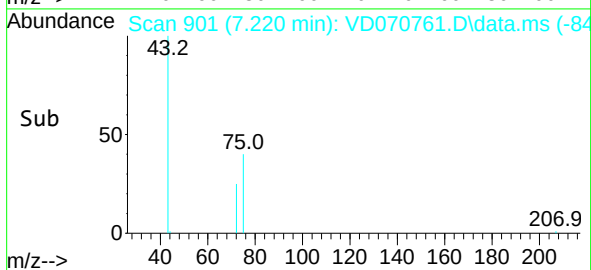
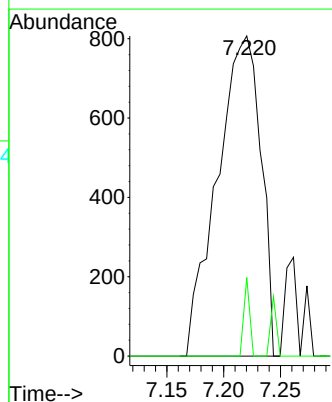
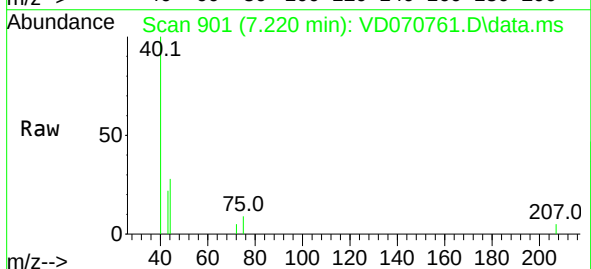
Instrument :
 MSVOA_D
 ClientSampled :
 WC-2-CS

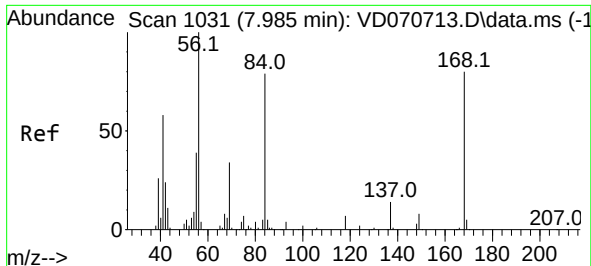
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 1.240 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.012 min
 Lab File: VD070761.D
 Acq: 19 Oct 2021 16:26

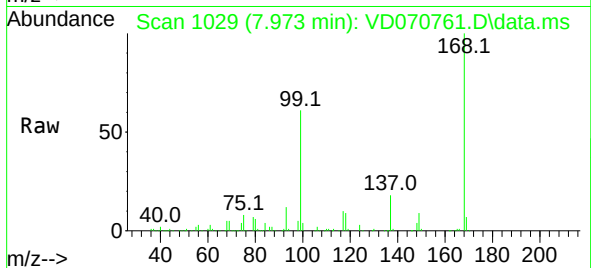
Tgt Ion: 43 Resp: 2151
 Ion Ratio Lower Upper
 43 100
 72 24.5 25.2 37.8#



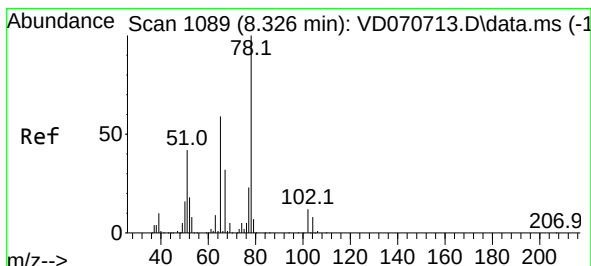
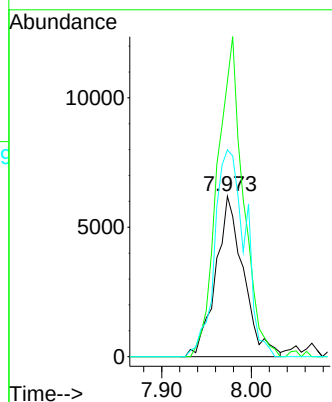
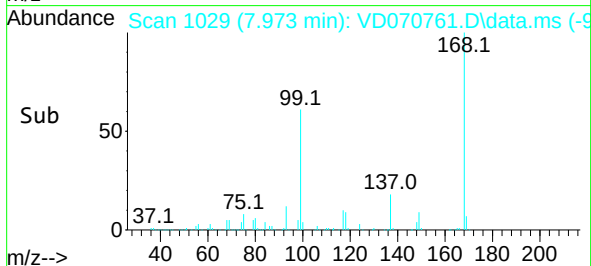


#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

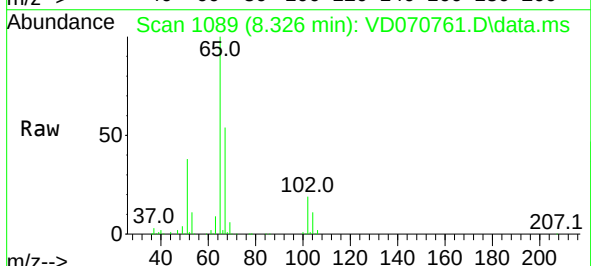
Instrument :
MSVOA_D
ClientSampleID :
WC-2-CS



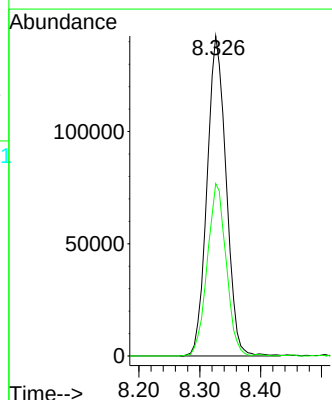
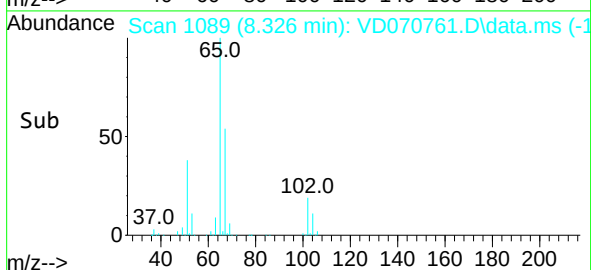
Tgt Ion: 56 Resp: 13303
Ion Ratio Lower Upper
56 100
69 171.4 27.4 41.2#
84 128.9 73.6 110.4#

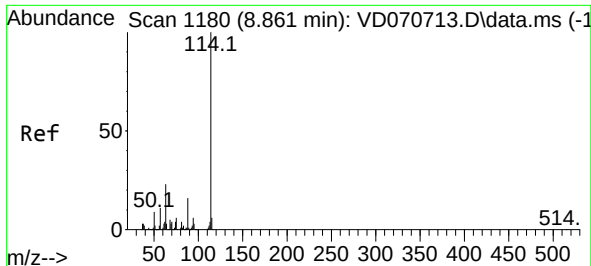


#33
1,2-Dichloroethane-d4
Concen: 53.314 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26



Tgt Ion: 65 Resp: 310381
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070761.D

Acq: 19 Oct 2021 16:26

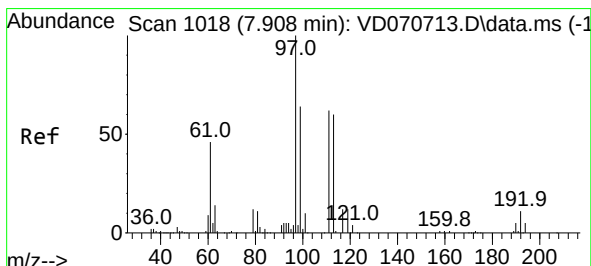
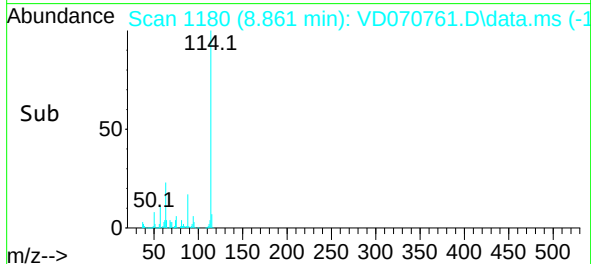
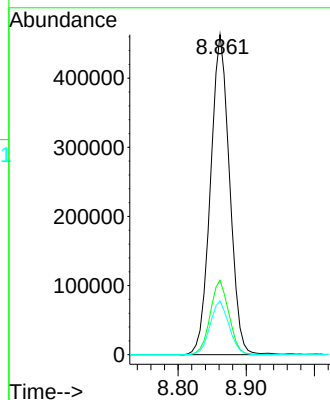
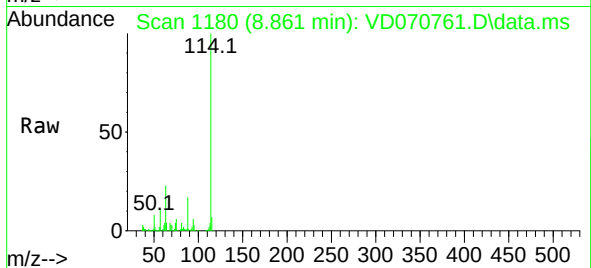
Tgt Ion:114 Resp: 900668

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.8

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.358 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD070761.D

Acq: 19 Oct 2021 16:26

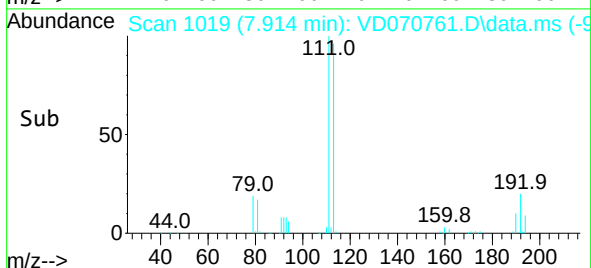
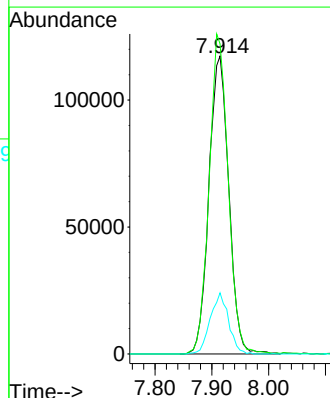
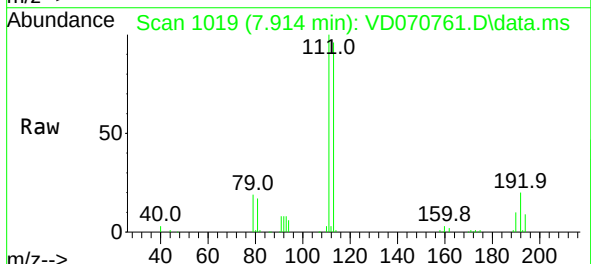
Tgt Ion:113 Resp: 284647

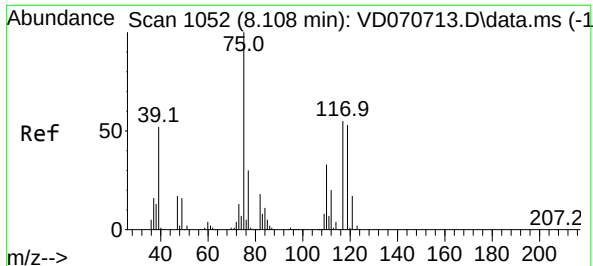
Ion Ratio Lower Upper

113 100

111 103.1 83.1 124.7

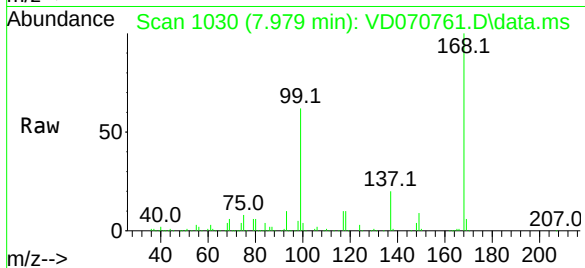
192 18.9 12.7 19.1



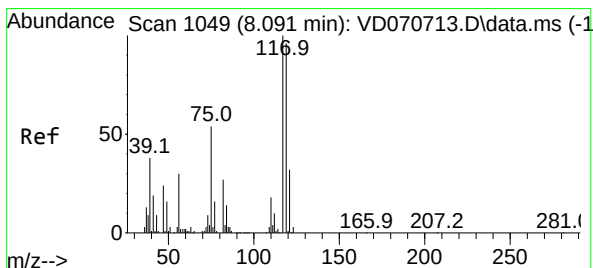
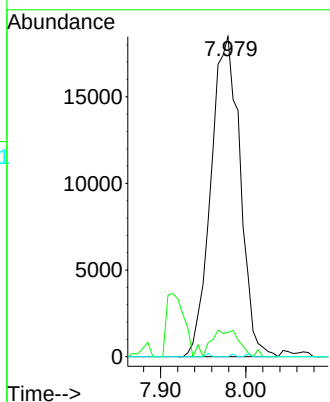
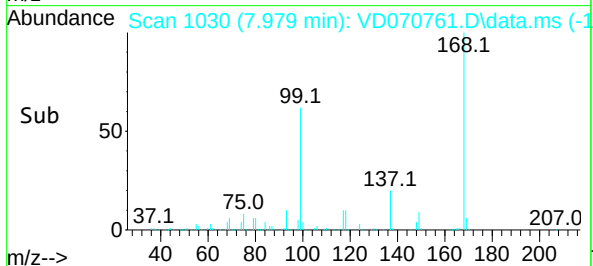


#36
1,1-Dichloropropene
Concen: 4.383 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

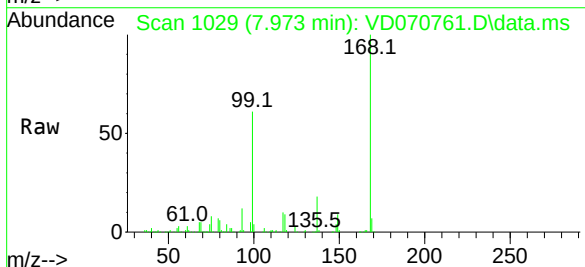
Instrument :
MSVOA_D
ClientSampled :
WC-2-CS



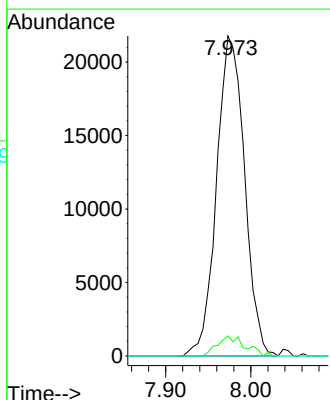
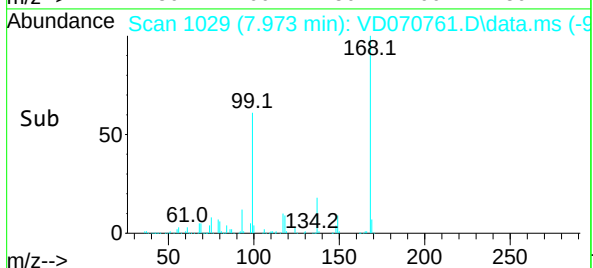
Tgt Ion: 75 Resp: 43977
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.1 24.2 36.4#

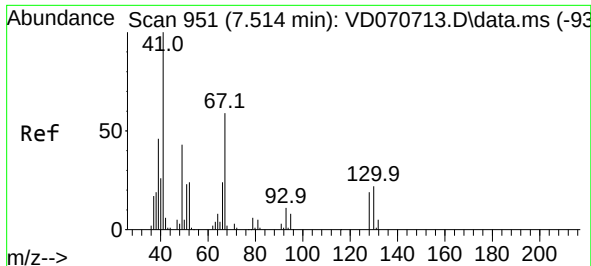


#38
Carbon Tetrachloride
Concen: 5.168 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26



Tgt Ion: 117 Resp: 49666
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.0#
121 0.0 25.4 38.0#

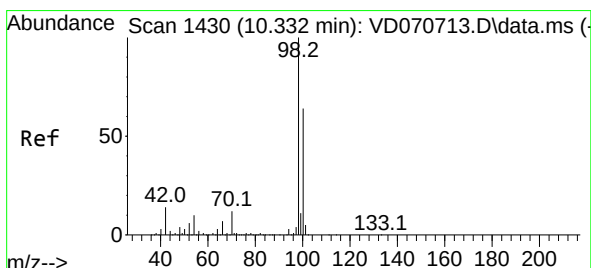
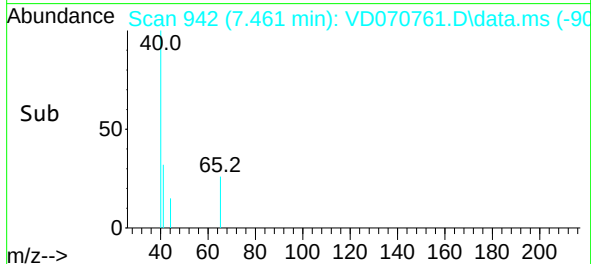
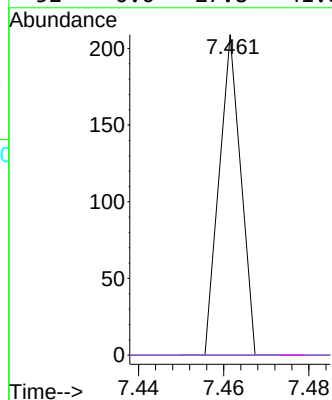
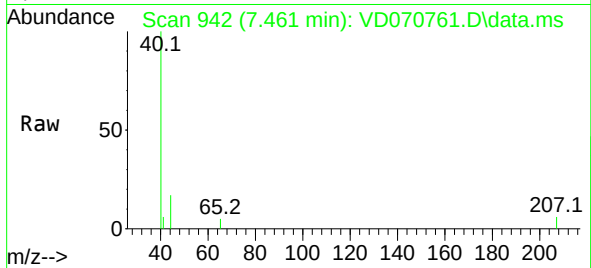




#41
Methacrylonitrile
Concen: 1.971 ug/l
RT: 7.461 min Scan# 942
Delta R.T. -0.053 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

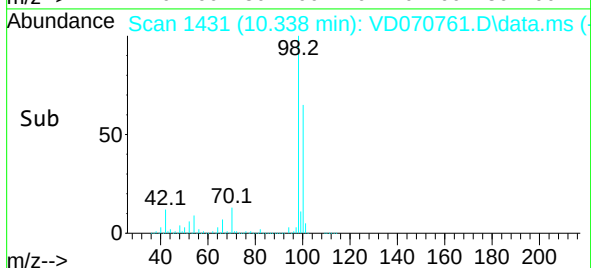
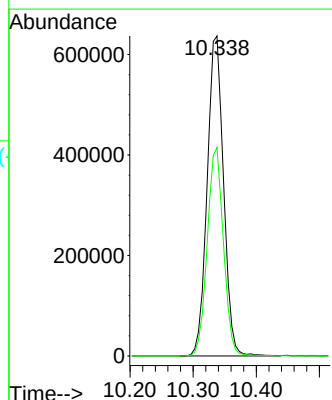
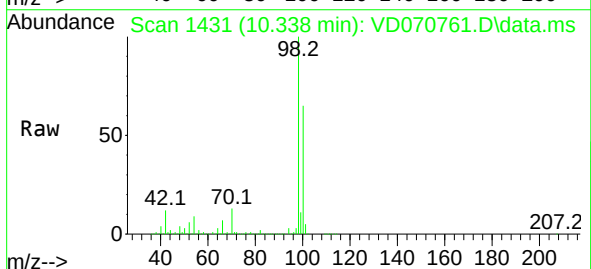
Instrument :
MSVOA_D
ClientSampleId :
WC-2-CS

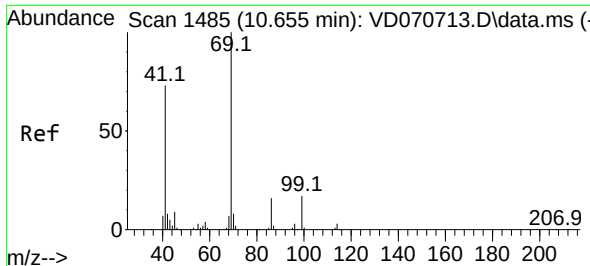
Tgt Ion:	41	Resp:	74
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 51.915 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

Tgt Ion:	98	Resp:	1147680
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4

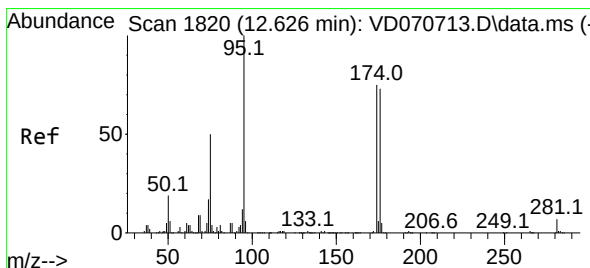
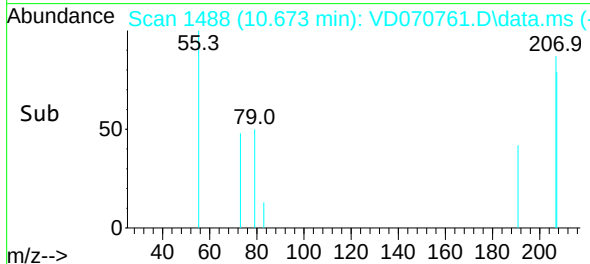
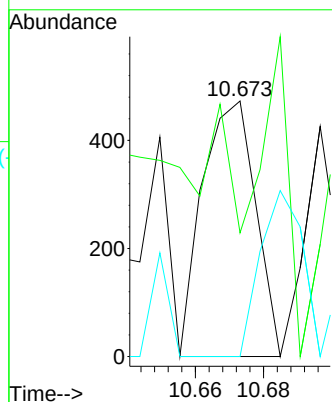
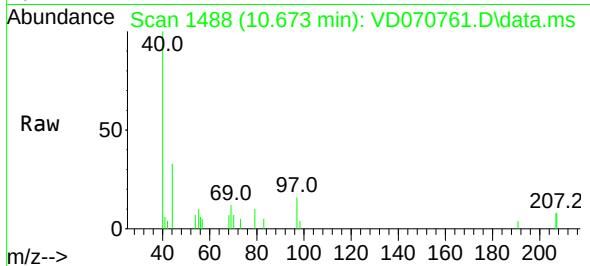




#56
Ethyl methacrylate
Concen: 4.224 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

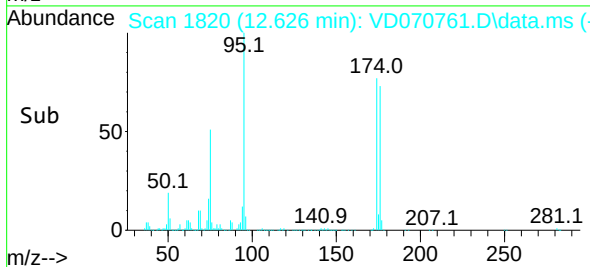
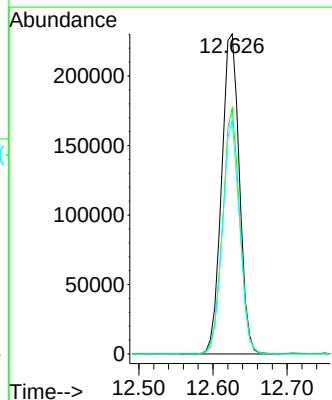
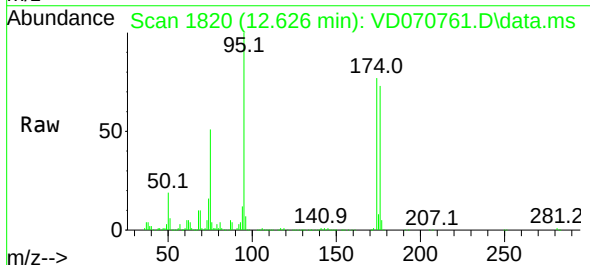
Instrument :
MSVOA_D
ClientSampled :
WC-2-CS

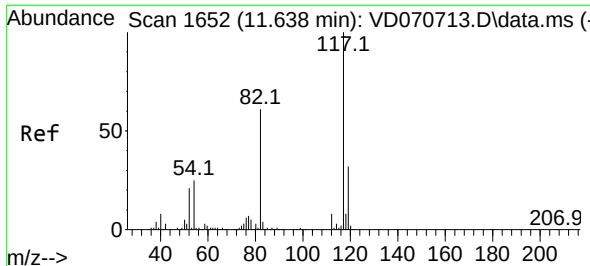
Tgt Ion: 69 Resp: 513
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 50.293 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

Tgt Ion: 95 Resp: 382834
Ion Ratio Lower Upper
95 100
174 74.3 0.0 138.0
176 70.9 0.0 135.6

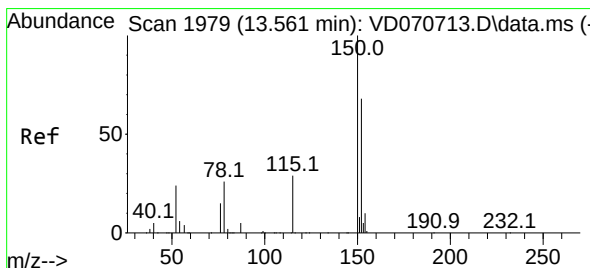
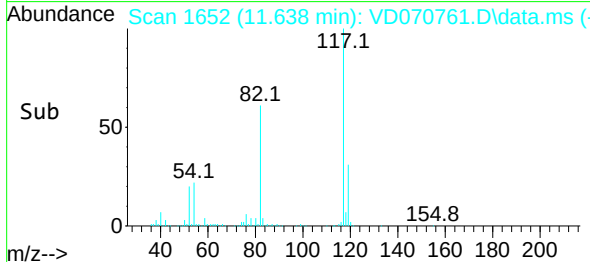
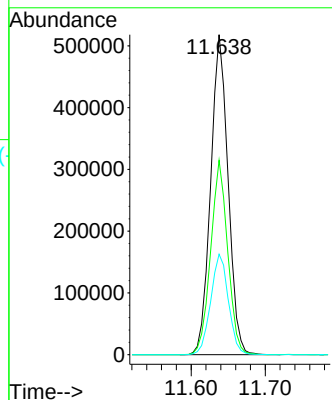
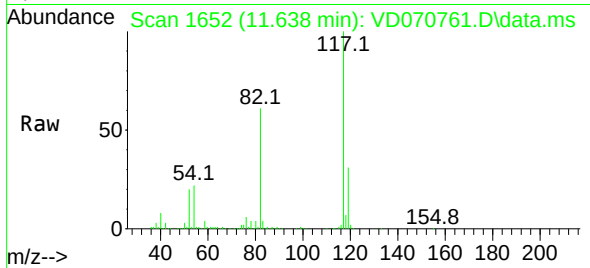




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

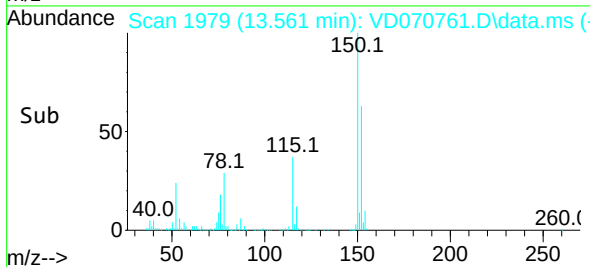
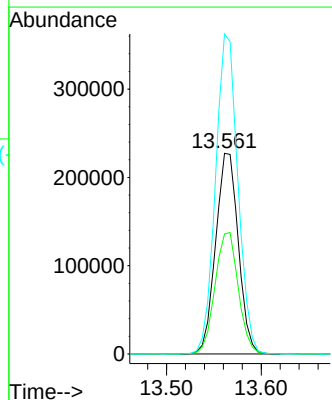
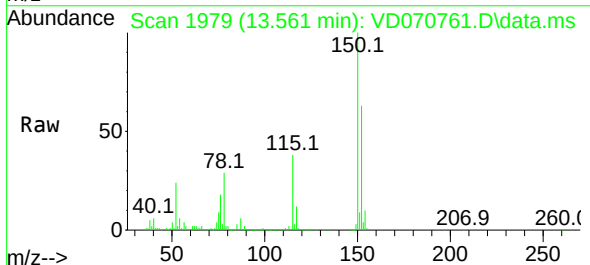
Instrument :
MSVOA_D
ClientSampleId :
WC-2-CS

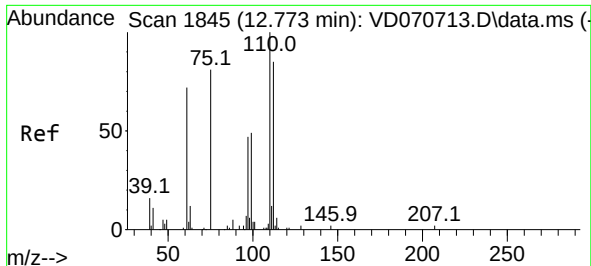
Tgt Ion:117 Resp: 844269
Ion Ratio Lower Upper
117 100
82 60.8 45.4 68.2
119 31.4 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

Tgt Ion:152 Resp: 377906
Ion Ratio Lower Upper
152 100
115 62.2 31.9 95.7
150 157.3 0.0 350.0

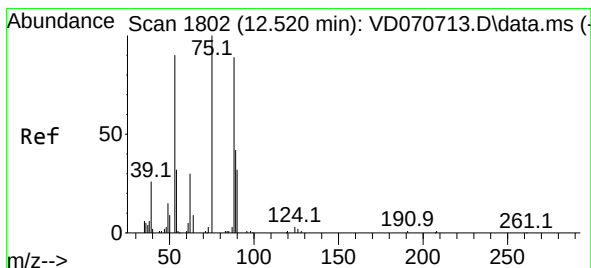
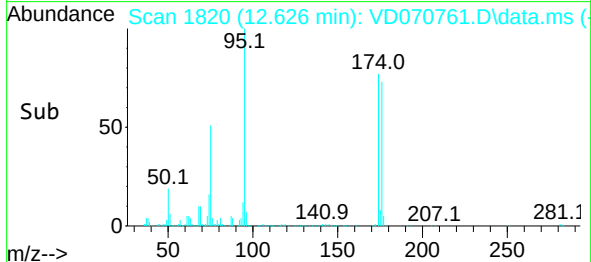
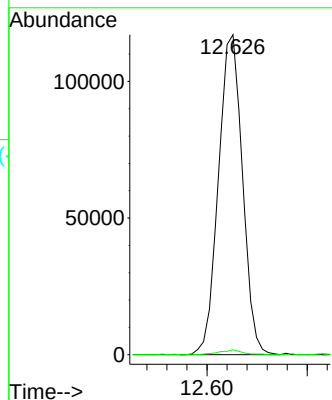
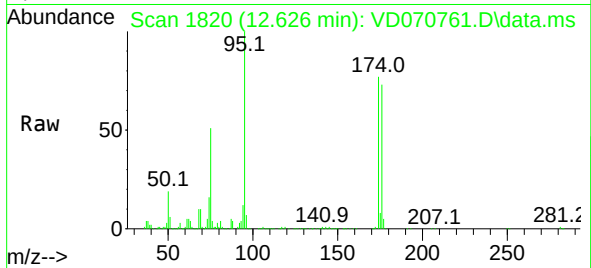




#76
1,2,3-Trichloropropane
Concen: 59.566 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

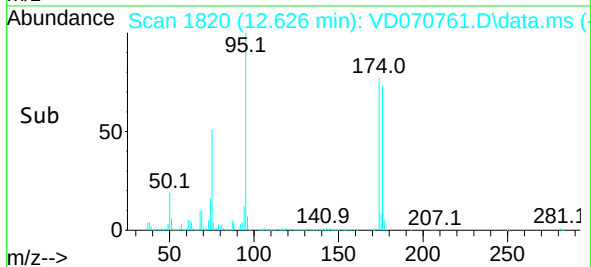
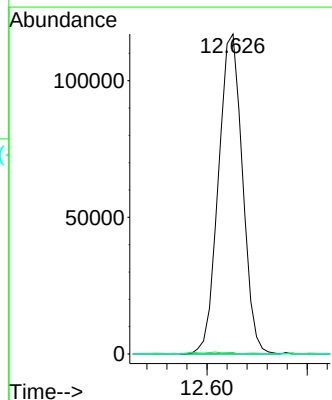
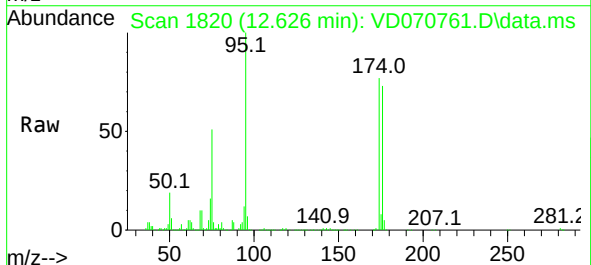
Instrument :
MSVOA_D
ClientSampleId :
WC-2-CS

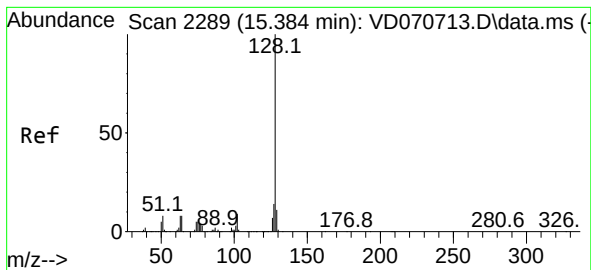
Tgt Ion: 75 Resp: 194479
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.467 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

Tgt Ion: 75 Resp: 194479
Ion Ratio Lower Upper
75 100
53 0.5 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 10.411 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070761.D
Acq: 19 Oct 2021 16:26

Instrument :
MSVOA_D
ClientSampleId :
WC-2-CS

Tgt Ion:128 Resp: 76026
Ion Ratio Lower Upper
128 100
127 14.4 10.9 16.3
129 11.6 8.6 12.8

