

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070827.D
 Acq On : 22 Oct 2021 16:14
 Operator : VA/SY
 Sample : M4290-13
 Misc : 4.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 04:12:19 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)

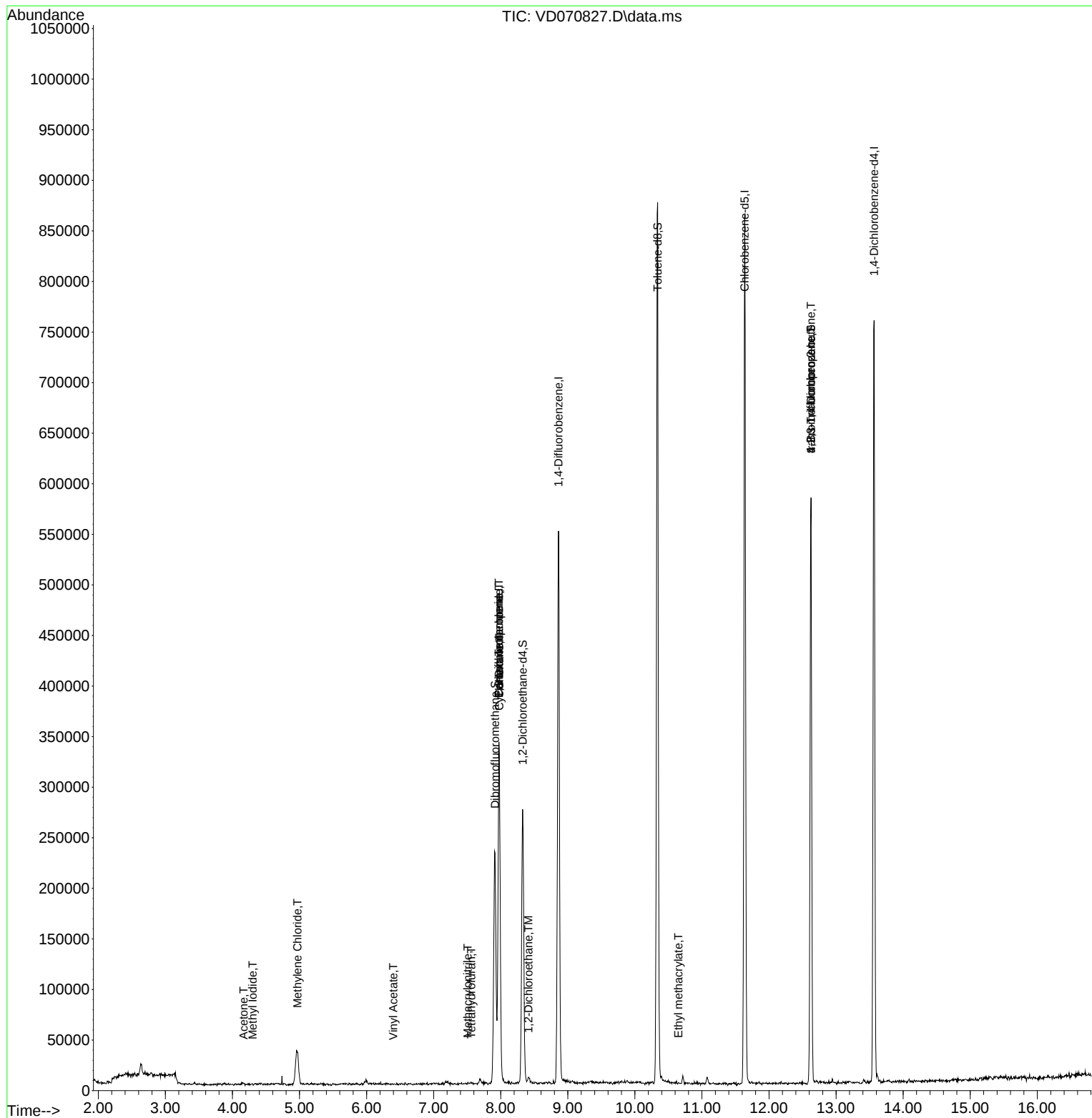
Internal Standards						
1) Pentafluorobenzene	7.973	168	222597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	420285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	461715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	192633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	216676	82.183	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.360%#	
35) Dibromofluoromethane	7.914	113	159658	59.328	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.660%	
50) Toluene-d8	10.338	98	574529	55.693	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.380%	
62) 4-Bromofluorobenzene	12.626	95	195345	54.994	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.980%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	405	3.456	ug/l #	58
16) Acetone	4.168	43	1676	2.636	ug/l #	40
20) Methylene Chloride	4.968	84	26243	1.943	ug/l #	85
23) Vinyl Acetate	6.397	43	100	16.349	ug/l #	69
29) Tetrahydrofuran	7.561	42	692	1.439	ug/l #	52
31) Cyclohexane	7.979	56	7891	1.479	ug/l #	23
36) 1,1-Dichloropropene	7.973	75	23145	4.943	ug/l #	50
38) Carbon Tetrachloride	7.973	117	25237	5.628	ug/l #	15
41) Methacrylonitrile	7.509	41	53	1.985	ug/l #	1
42) 1,2-Dichloroethane	8.414	62	4296	1.123	ug/l #	71
56) Ethyl methacrylate	10.650	69	477	4.293	ug/l #	32
76) 1,2,3-Trichloropropane	12.626	75	98265	59.044	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	98265	129.324	ug/l #	17

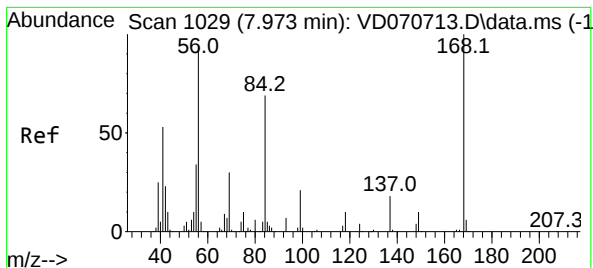
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 04:12:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
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Response via : Initial Calibration

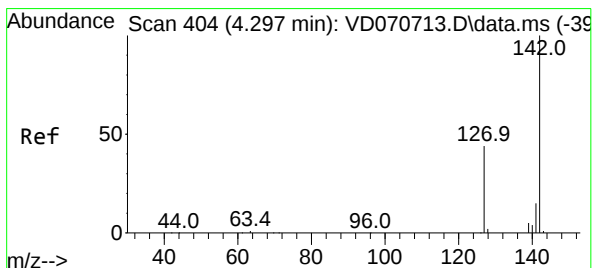
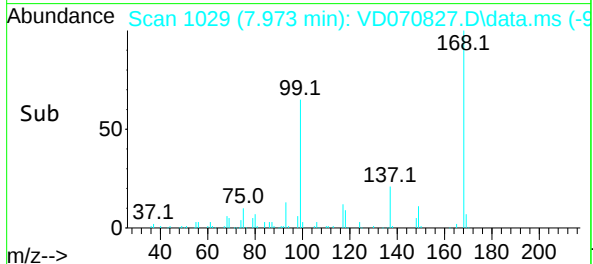
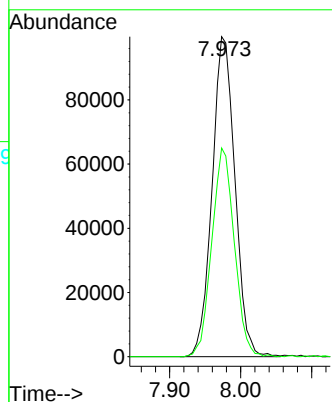
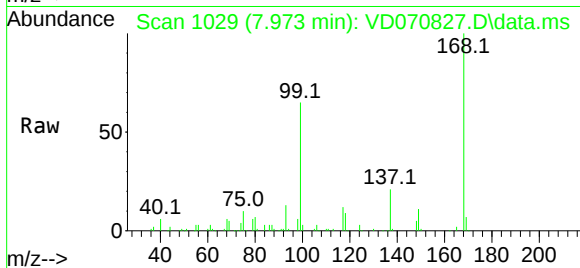




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

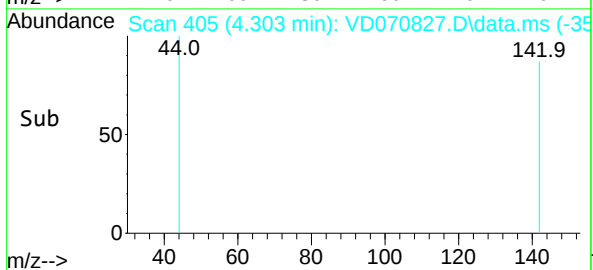
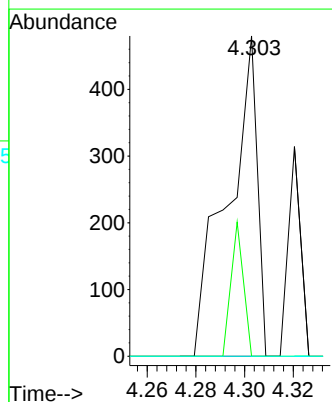
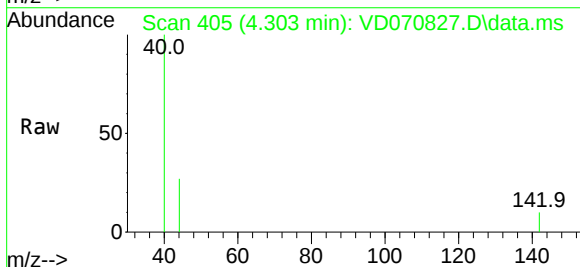
Instrument :
MSVOA_D
ClientSampled :

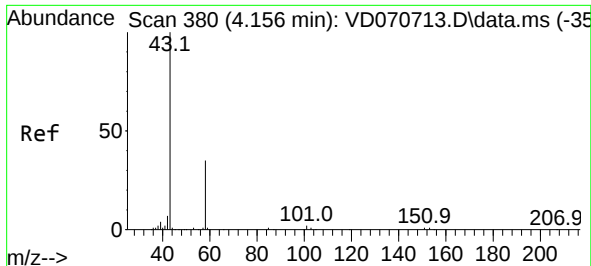
Tgt Ion:168 Resp: 222597
Ion Ratio Lower Upper
168 100
99 65.2 51.4 77.0



#10
Methyl Iodide
Concen: 3.456 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

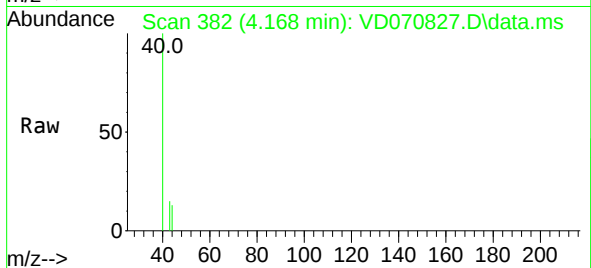
Tgt Ion:142 Resp: 405
Ion Ratio Lower Upper
142 100
127 17.5 37.5 56.3#
141 0.0 12.1 18.1#



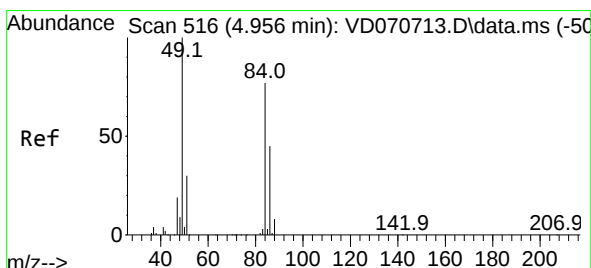
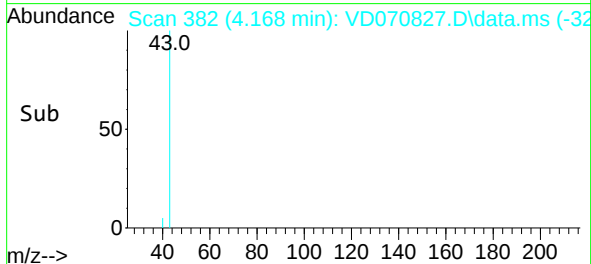
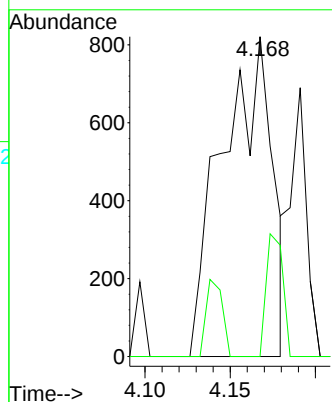


#16
Acetone
Concen: 2.636 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

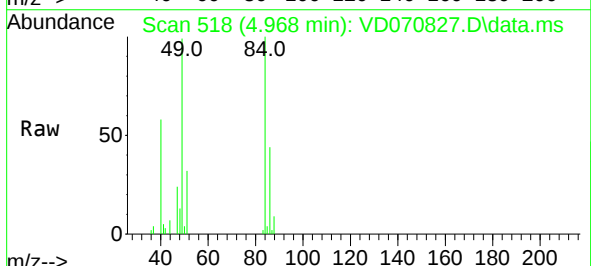
Instrument :
MSVOA_D
ClientSampled :



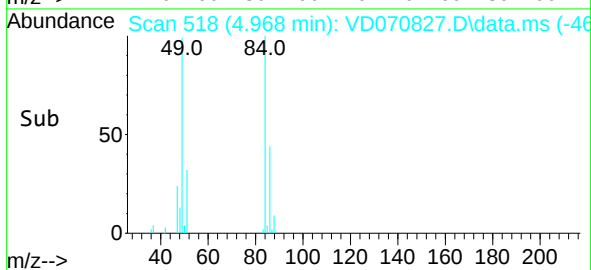
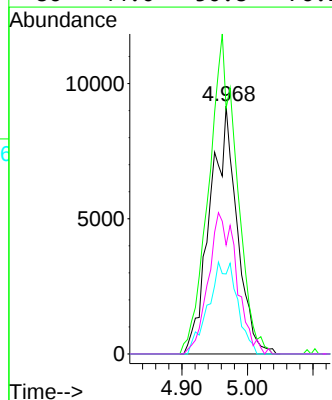
Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#

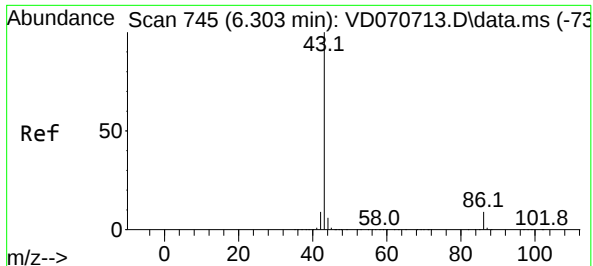


#20
Methylene Chloride
Concen: 1.943 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14



Tgt Ion: 84 Resp: 26243
Ion Ratio Lower Upper
84 100
49 99.2 91.4 137.2
51 32.3 26.7 40.1
86 44.0 50.8 76.2#

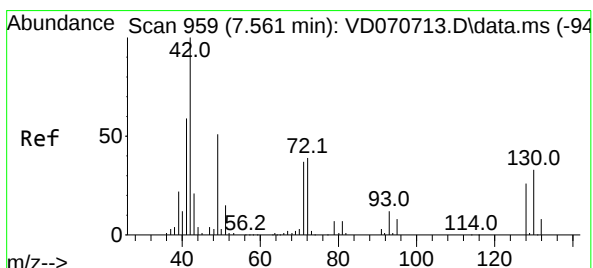
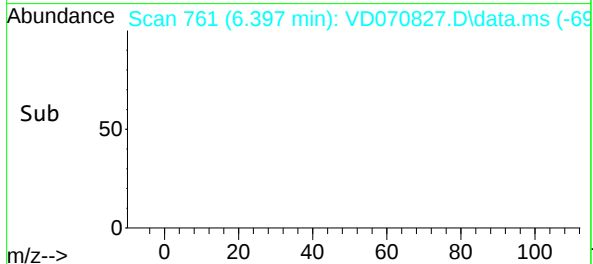
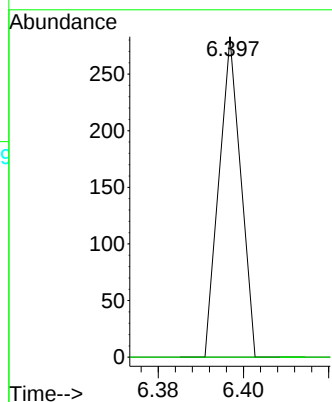
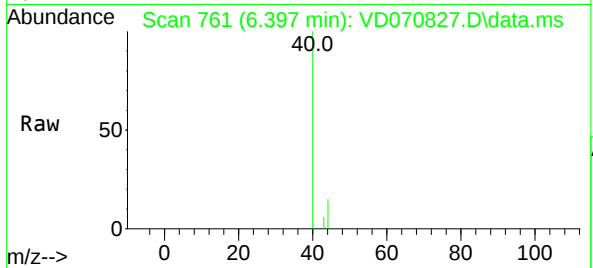




#23
 Vinyl Acetate
 Concen: 16.349 ug/l
 RT: 6.397 min Scan# 761
 Delta R.T. 0.094 min
 Lab File: VD070827.D
 Acq: 22 Oct 2021 16:14

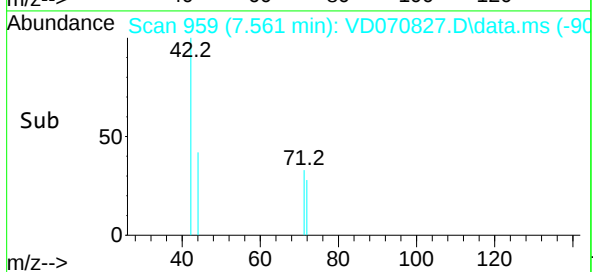
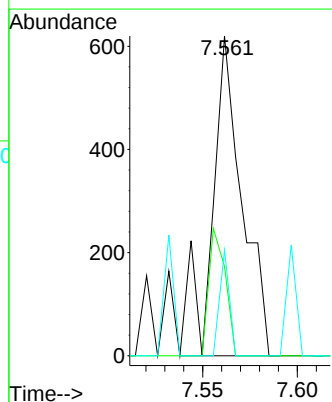
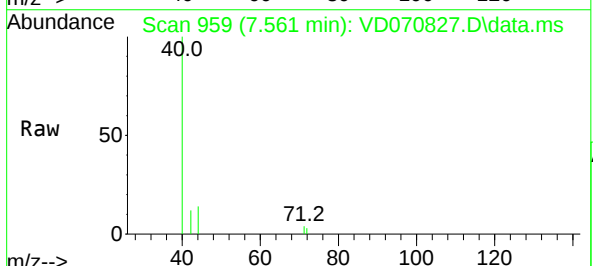
Instrument :
 MSVOA_D
 ClientSampleId :

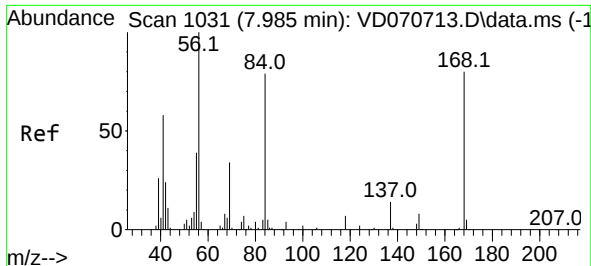
Tgt Ion: 43 Resp: 100
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#29
 Tetrahydrofuran
 Concen: 1.439 ug/l
 RT: 7.561 min Scan# 959
 Delta R.T. 0.000 min
 Lab File: VD070827.D
 Acq: 22 Oct 2021 16:14

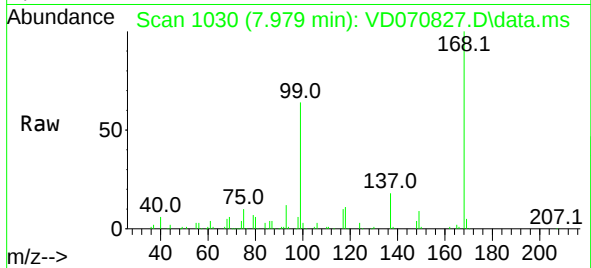
Tgt Ion: 42 Resp: 692
 Ion Ratio Lower Upper
 42 100
 72 21.4 40.2 60.4#
 71 10.4 37.2 55.8#



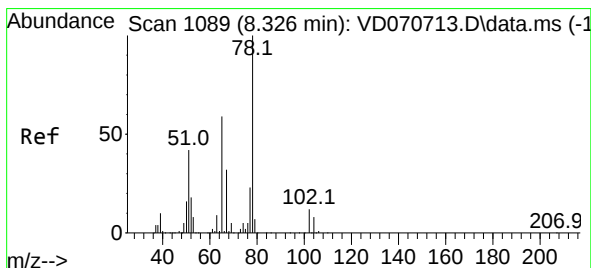
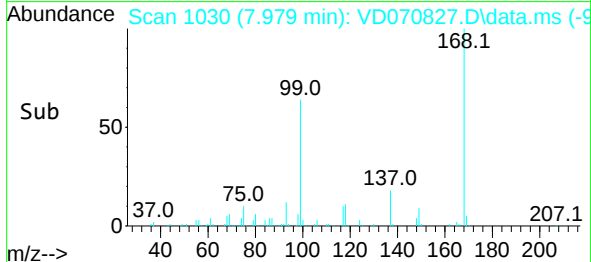
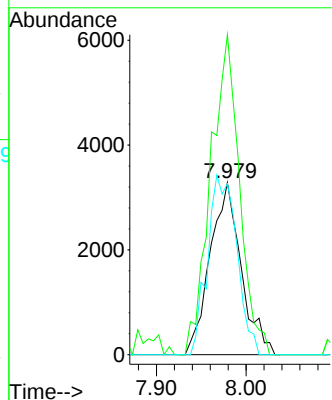


#31
Cyclohexane
Concen: 1.479 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

Instrument :
MSVOA_D
ClientSampled :

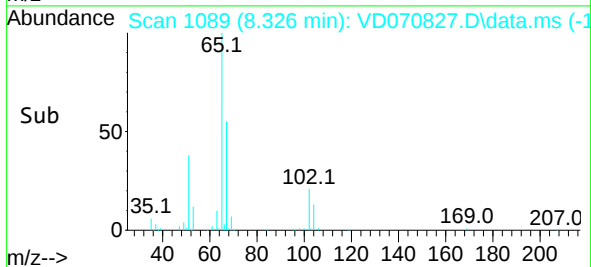
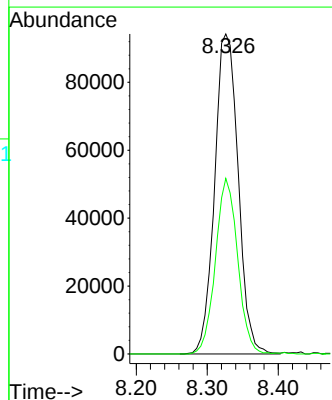
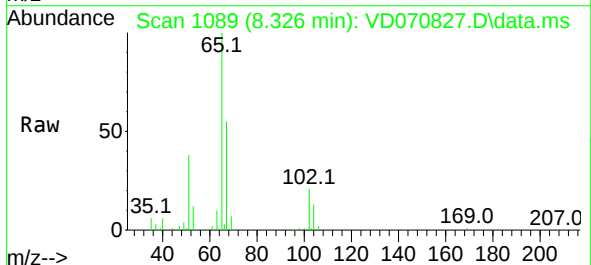


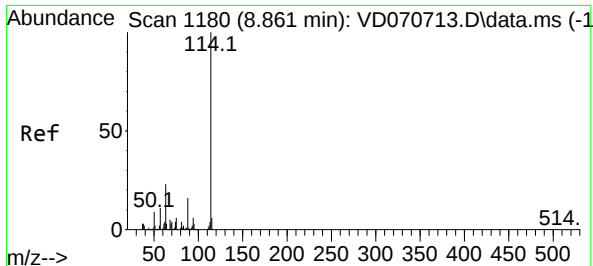
Tgt Ion: 56 Resp: 7891
Ion Ratio Lower Upper
56 100
69 185.9 27.4 41.2#
84 99.4 73.6 110.4



#33
1,2-Dichloroethane-d4
Concen: 82.183 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

Tgt Ion: 65 Resp: 216676
Ion Ratio Lower Upper
65 100
67 51.7 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: VD070827.D

Acq: 22 Oct 2021 16:14

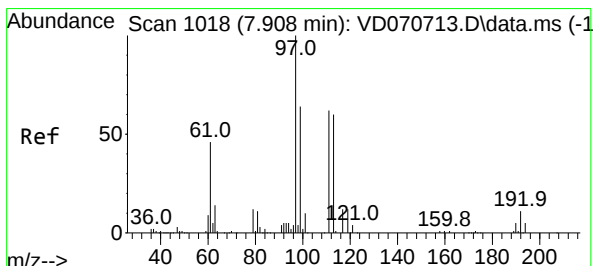
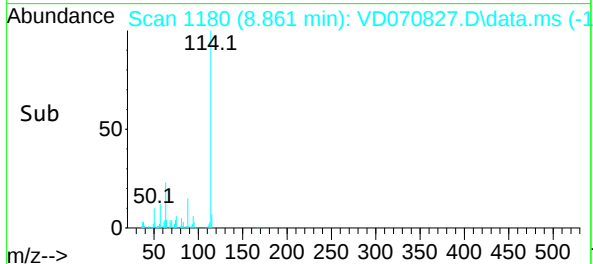
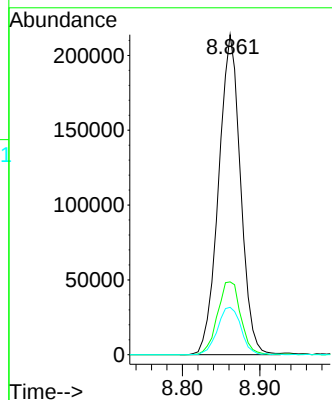
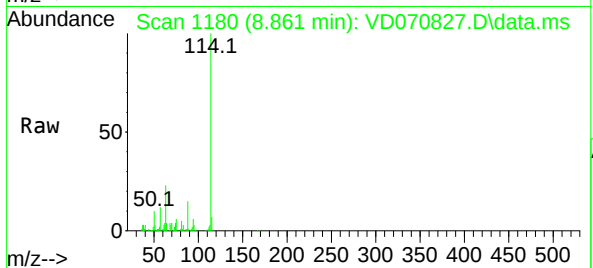
Tgt Ion:114 Resp: 420285

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 59.328 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD070827.D

Acq: 22 Oct 2021 16:14

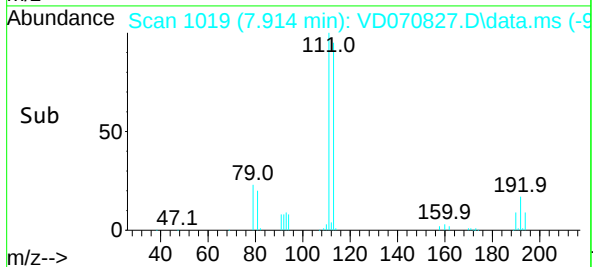
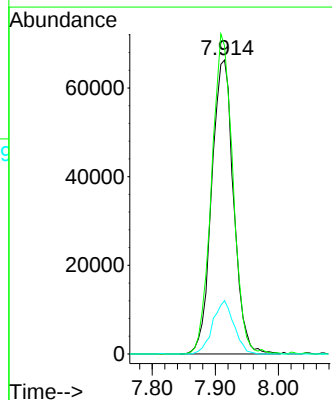
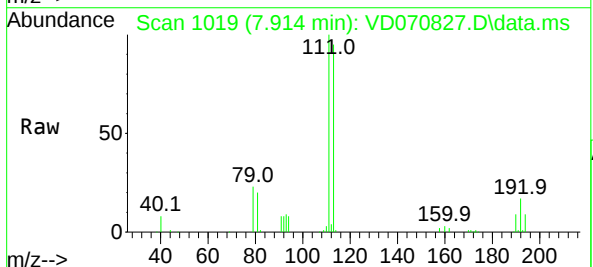
Tgt Ion:113 Resp: 159658

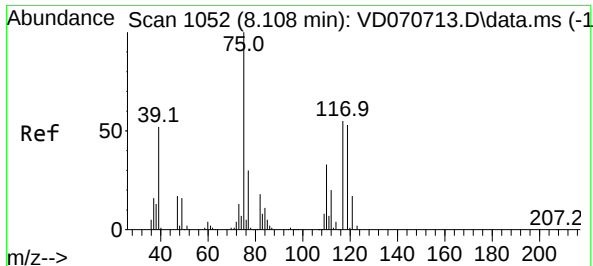
Ion Ratio Lower Upper

113 100

111 106.0 83.1 124.7

192 17.6 12.7 19.1



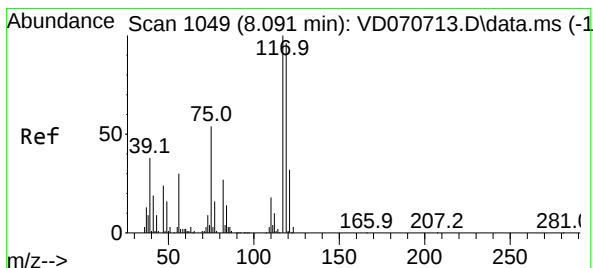
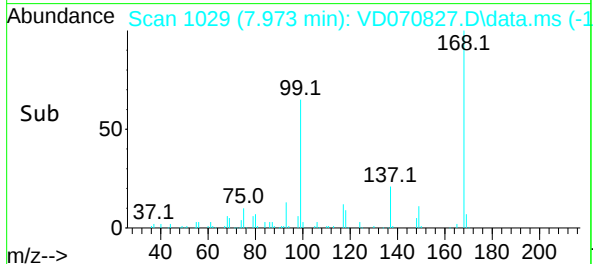
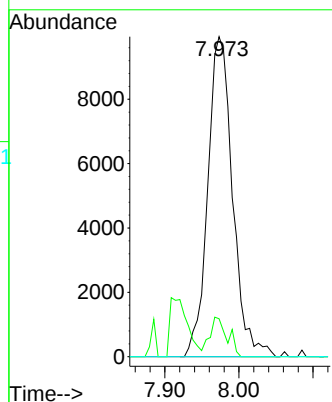
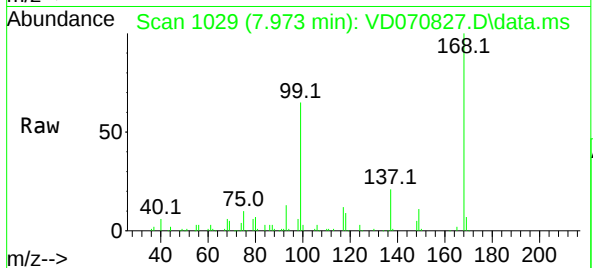


#36

1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

Instrument :
MSVOA_D
ClientSampled :

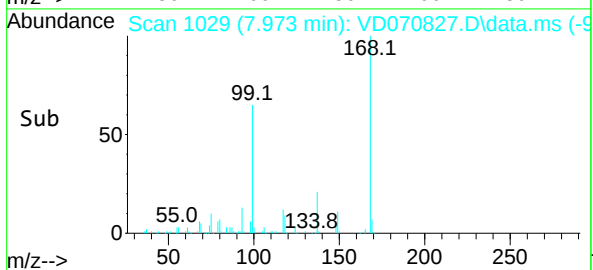
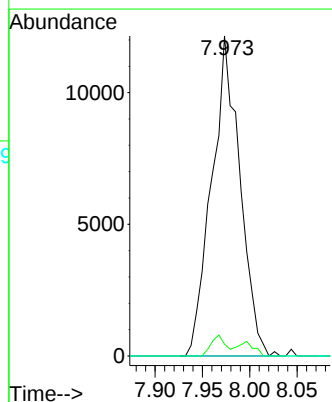
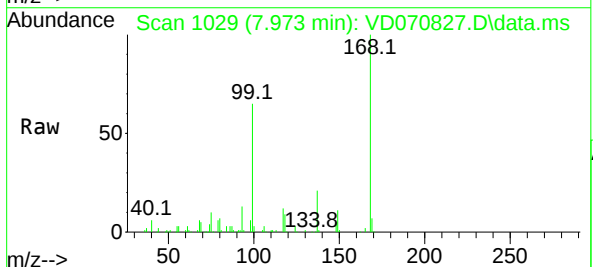
Tgt Ion:	75	Resp:	23145
Ion Ratio	Lower	Upper	
75	100		
110	8.8	17.2	51.6#
77	0.0	24.2	36.4#

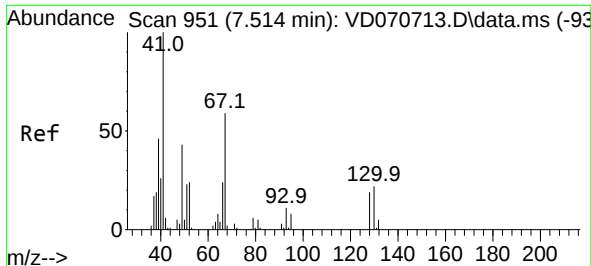


#38

Carbon Tetrachloride
Concen: 5.628 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

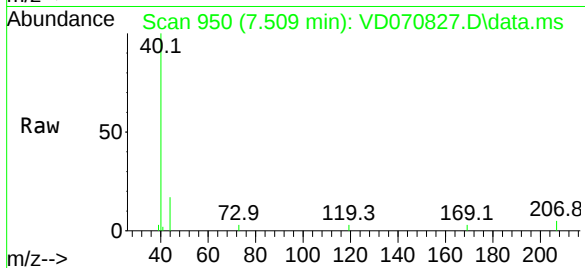
Tgt Ion:	117	Resp:	25237
Ion Ratio	Lower	Upper	
117	100		
119	3.7	77.4	116.0#
121	0.0	25.4	38.0#



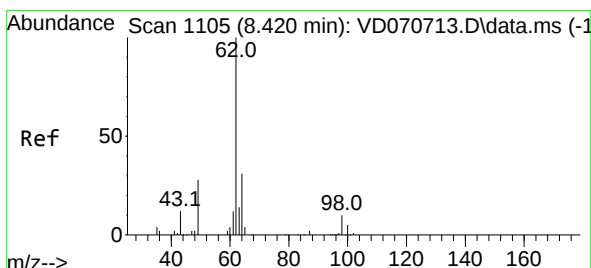
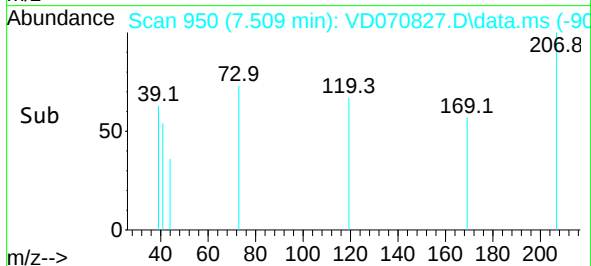
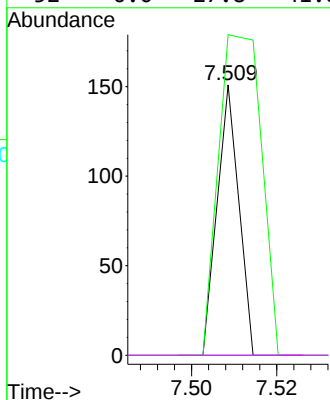


#41
Methacrylonitrile
Concen: 1.985 ug/l
RT: 7.509 min Scan# 950
Delta R.T. -0.005 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

Instrument :
MSVOA_D
ClientSampleId :

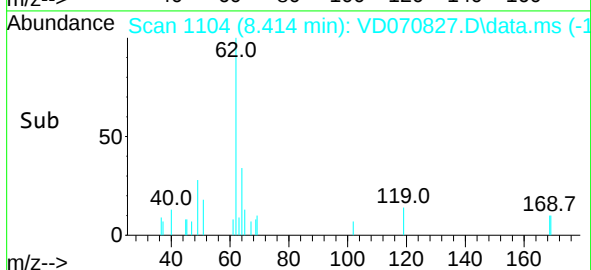
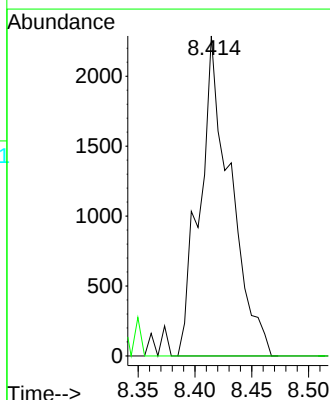
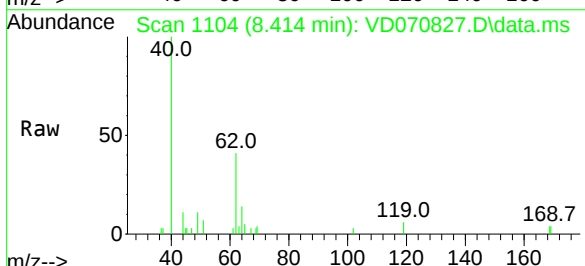


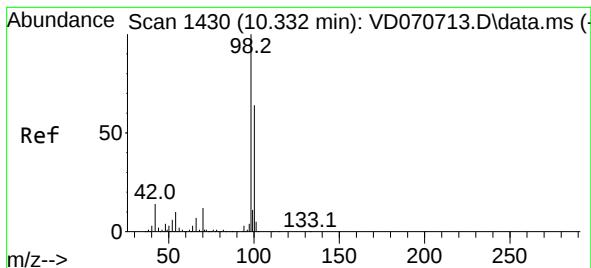
Tgt Ion:	41	Resp:	53
Ion	Ratio	Lower	Upper
41	100		
39	235.8	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#42
1,2-Dichloroethane
Concen: 1.123 ug/l
RT: 8.414 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

Tgt Ion:	62	Resp:	4296
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	22.0

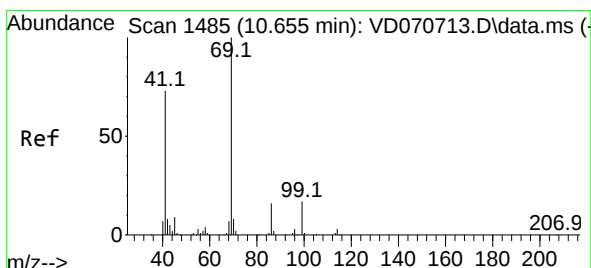
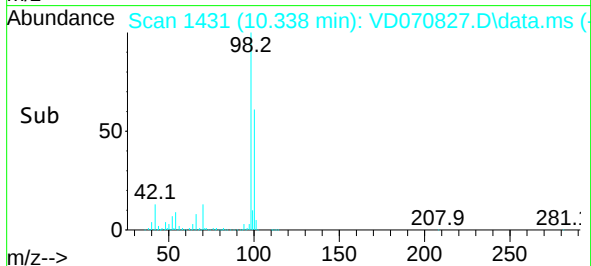
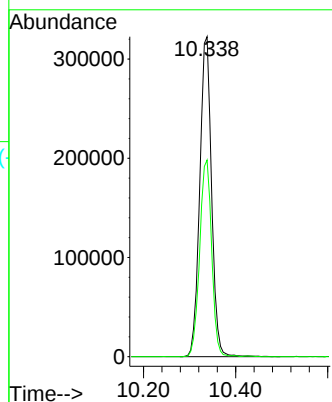
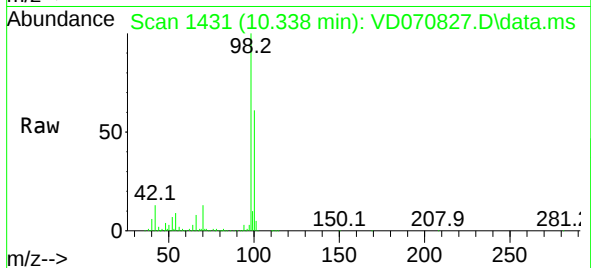




#50
Toluene-d8
Concen: 55.693 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

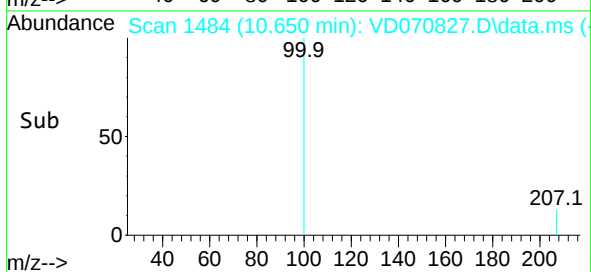
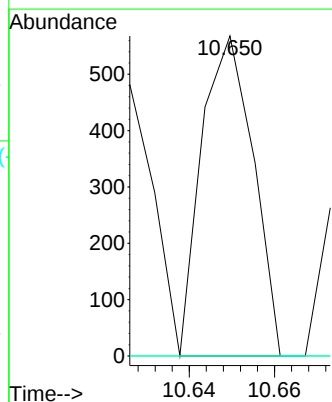
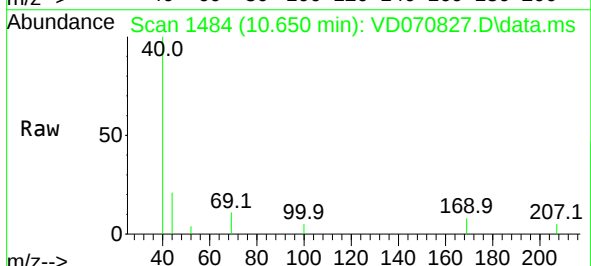
Instrument :
MSVOA_D
ClientSampleId :

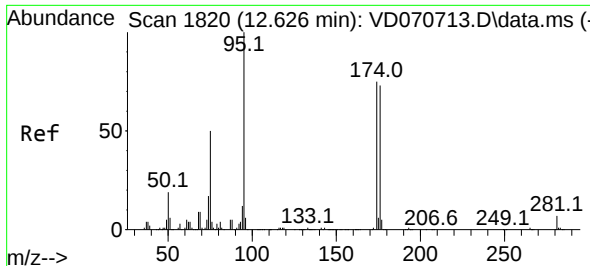
Tgt Ion: 98 Resp: 574529
Ion Ratio Lower Upper
98 100
100 62.6 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.293 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

Tgt Ion: 69 Resp: 477
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

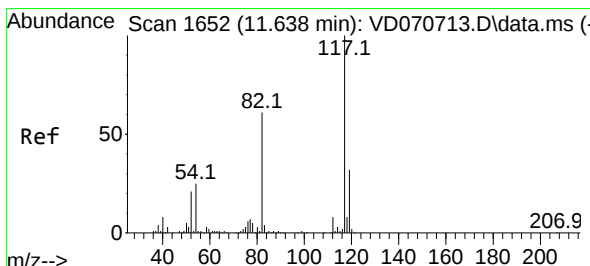
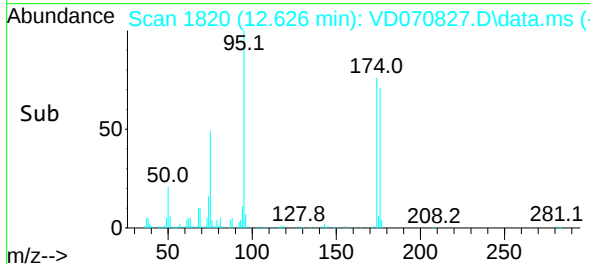
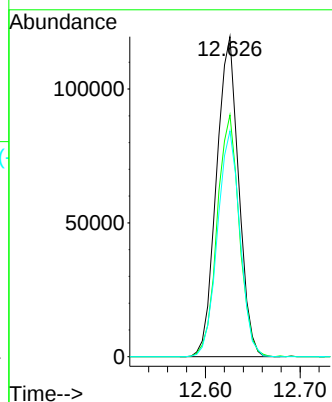
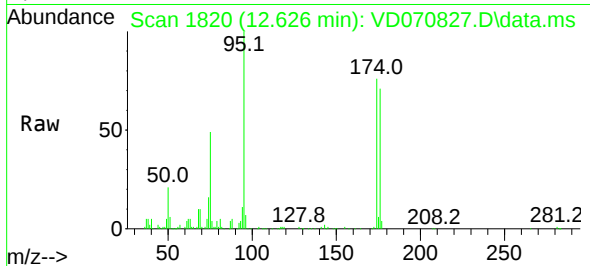




#62
4-Bromofluorobenzene
Concen: 54.994 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

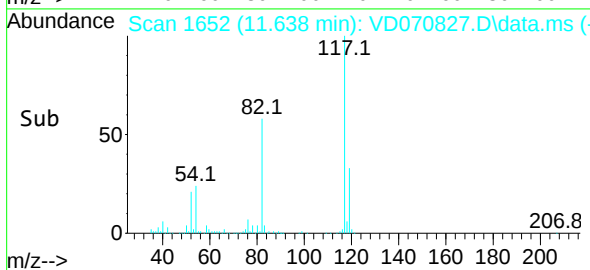
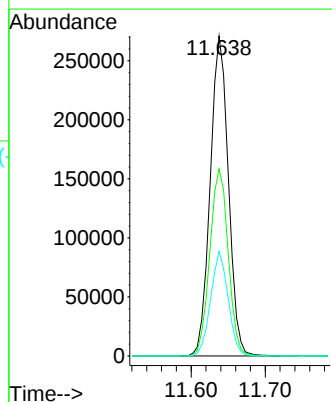
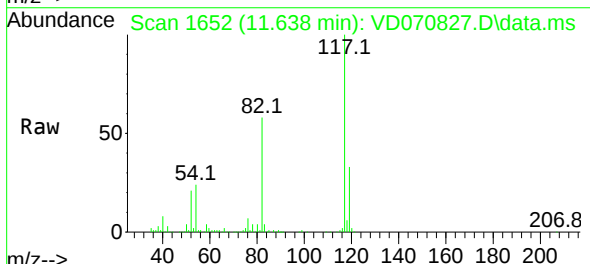
Instrument :
MSVOA_D
ClientSampleId :

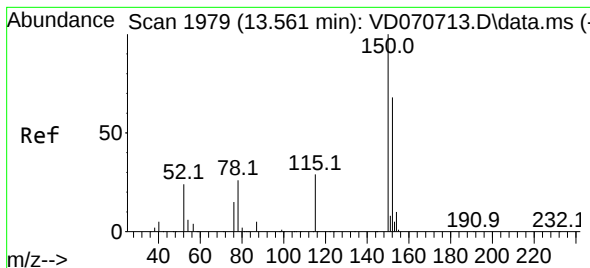
Tgt Ion: 95 Resp: 195345
Ion Ratio Lower Upper
95 100
174 75.1 0.0 138.0
176 71.1 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070827.D
Acq: 22 Oct 2021 16:14

Tgt Ion: 117 Resp: 461715
Ion Ratio Lower Upper
117 100
82 58.5 45.4 68.2
119 32.7 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.006 min

Lab File: VD070827.D

Acq: 22 Oct 2021 16:14

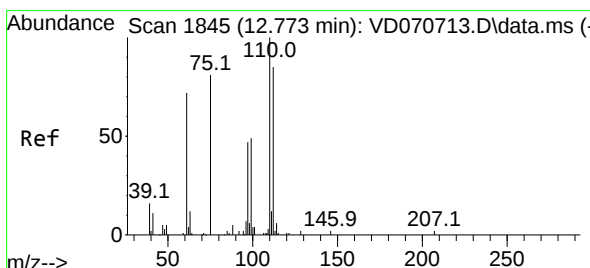
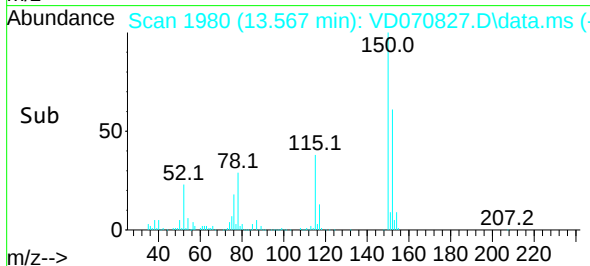
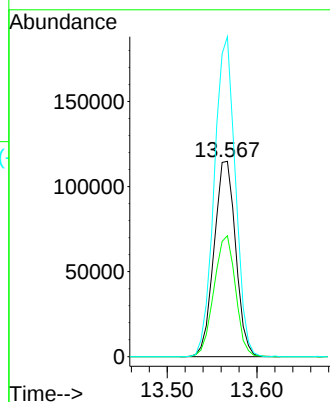
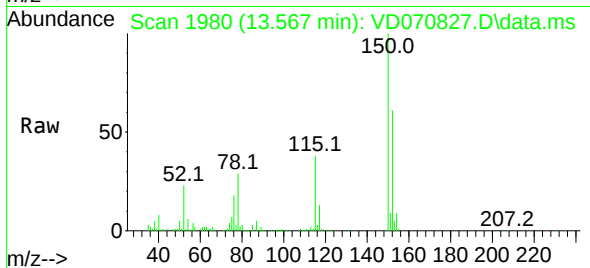
Tgt Ion:152 Resp: 192633

Ion Ratio Lower Upper

152 100

115 61.7 31.9 95.7

150 159.5 0.0 350.0



#76

1,2,3-Trichloropropane

Concen: 59.044 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD070827.D

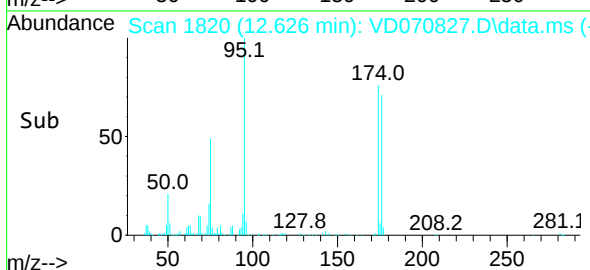
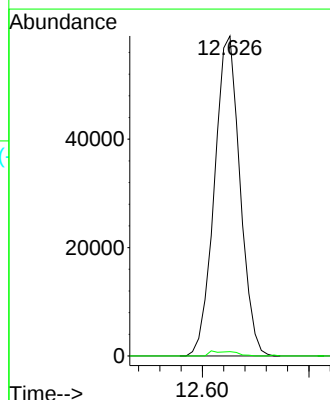
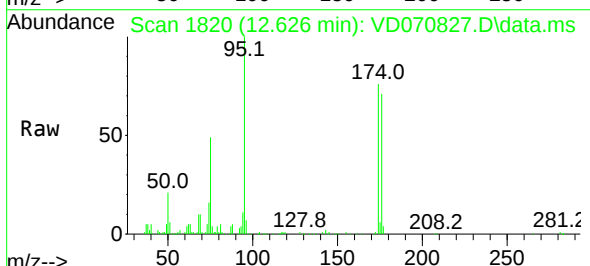
Acq: 22 Oct 2021 16:14

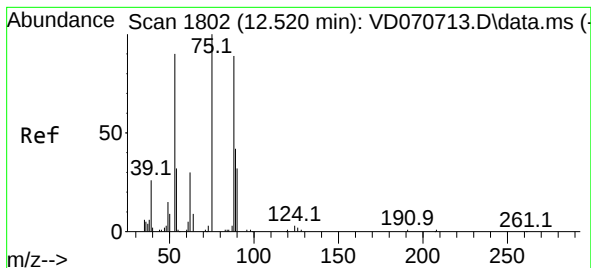
Tgt Ion: 75 Resp: 98265

Ion Ratio Lower Upper

75 100

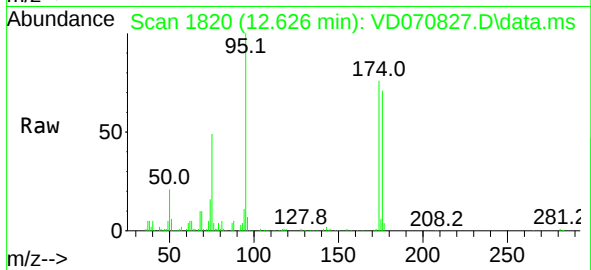
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.324 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070827.D
 Acq: 22 Oct 2021 16:14

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	64.5	96.7#
89	0.1	35.3	52.9#

