

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070819.D
 Acq On : 22 Oct 2021 12:25
 Operator : VA/SY
 Sample : M4298-01RE
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 04:10:25 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)

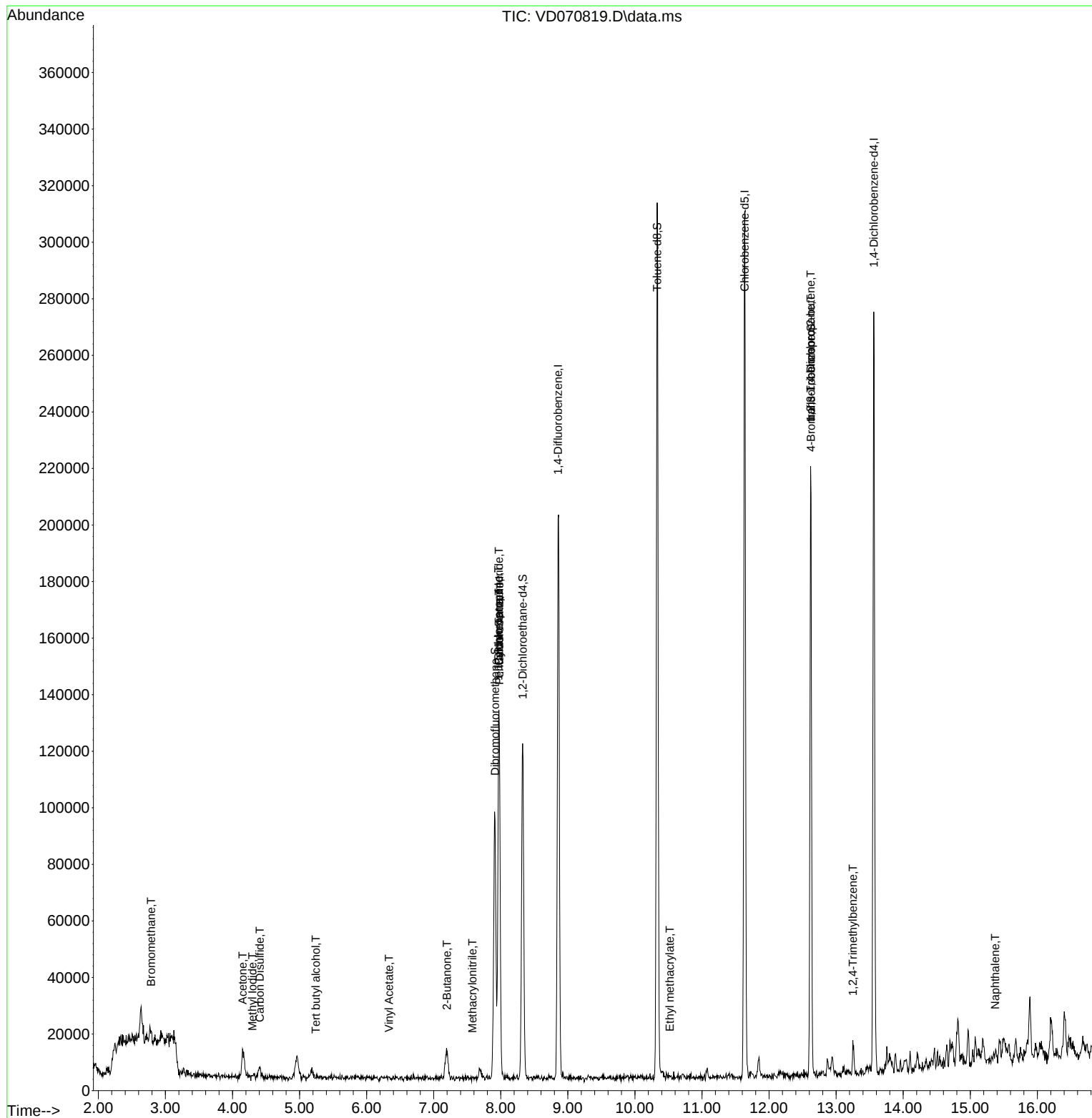
Internal Standards						
1) Pentafluorobenzene	7.979	168	91319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	159916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	170787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	70256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	96704	89.407	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 178.820%#	
35) Dibromofluoromethane	7.914	113	66746	65.185	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 130.360%	
50) Toluene-d8	10.332	98	207018	52.741	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.480%	
62) 4-Bromofluorobenzene	12.626	95	73391	54.301	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.600%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1853	1.872	ug/l #	41
10) Methyl Iodide	4.297	142	618	3.826	ug/l #	71
11) Tert butyl alcohol	5.244	59	79	1.305	ug/l #	83
16) Acetone	4.150	43	16973	65.061	ug/l #	75
17) Carbon Disulfide	4.409	76	6812	1.883	ug/l	97
20) Methylene Chloride	4.956	84	6411	Below Cal		87
23) Vinyl Acetate	6.332	43	190	16.421	ug/l #	69
25) 2-Butanone	7.197	43	632	1.961	ug/l #	43
31) Cyclohexane	7.973	56	3228	1.475	ug/l #	24
36) 1,1-Dichloropropene	7.967	75	9098	5.107	ug/l #	43
38) Carbon Tetrachloride	7.973	117	9851	5.773	ug/l #	16
41) Methacrylonitrile	7.579	41	73	2.094	ug/l #	16
56) Ethyl methacrylate	10.520	69	55	4.197	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	34360	56.608	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	34360	123.989	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.249	105	6660	1.583	ug/l	92
95) Naphthalene	15.373	128	2475	5.777	ug/l #	86

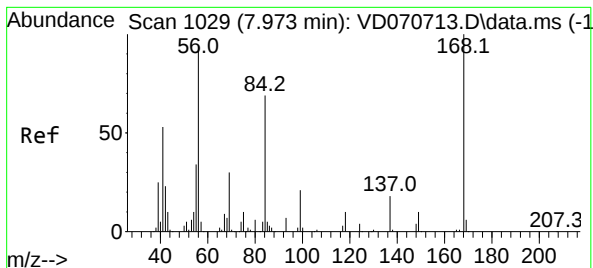
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD070819.D

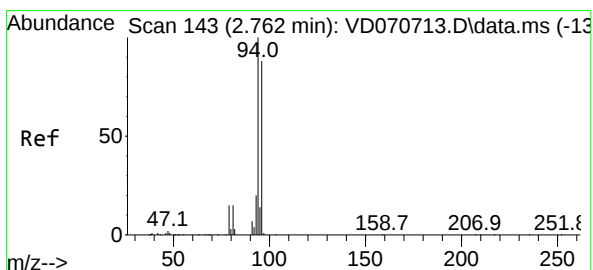
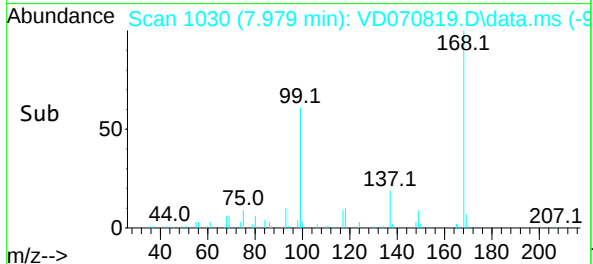
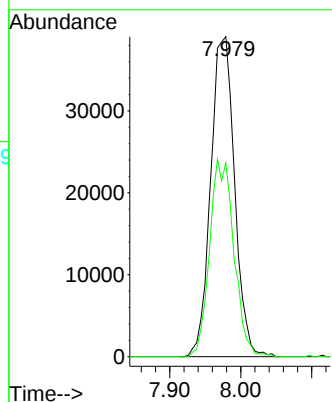
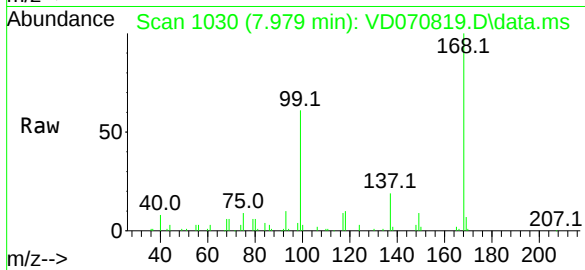
Acq: 22 Oct 2021 12:25

Tgt Ion:168 Resp: 91319

Ion Ratio Lower Upper

168 100

99 60.6 51.4 77.0



#5

Bromomethane

Concen: 1.872 ug/l

RT: 2.785 min Scan# 147

Delta R.T. 0.024 min

Lab File: VD070819.D

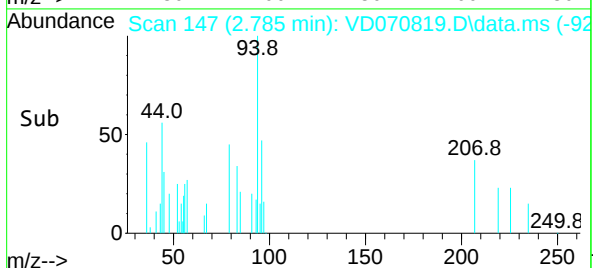
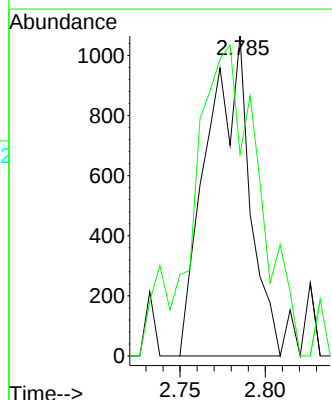
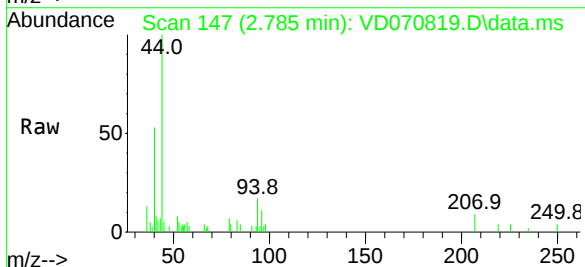
Acq: 22 Oct 2021 12:25

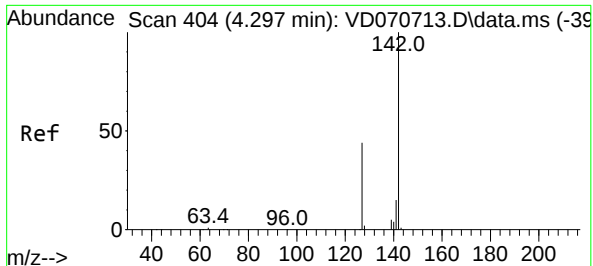
Tgt Ion: 94 Resp: 1853

Ion Ratio Lower Upper

94 100

96 37.7 75.5 113.3#





#10

Methyl Iodide

Concen: 3.826 ug/l

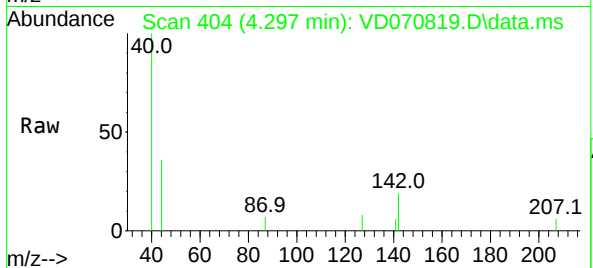
RT: 4.297 min Scan# 404

Delta R.T. -0.000 min

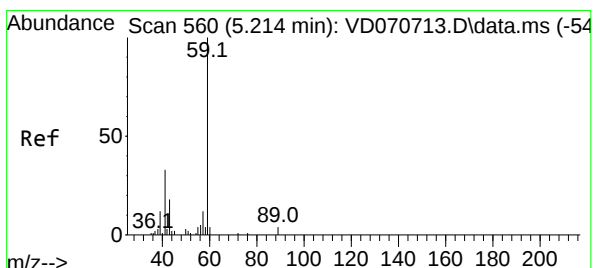
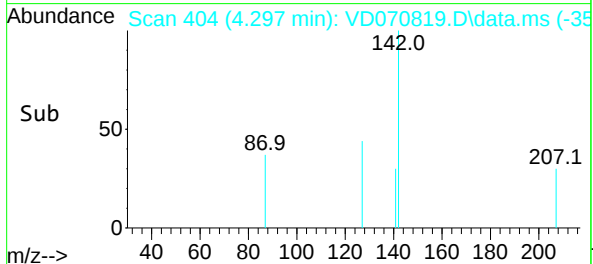
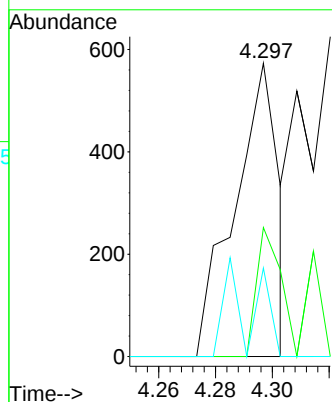
Lab File: VD070819.D

Acq: 22 Oct 2021 12:25

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	142	Resp:	618
Ion	Ratio	Lower	Upper
142	100		
127	24.1	37.5	56.3#
141	20.9	12.1	18.1#



#11

Tert butyl alcohol

Concen: 1.305 ug/l

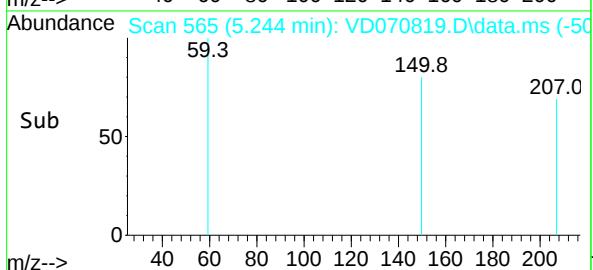
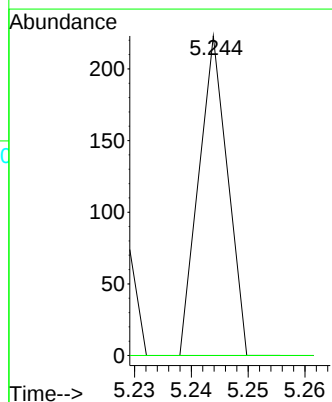
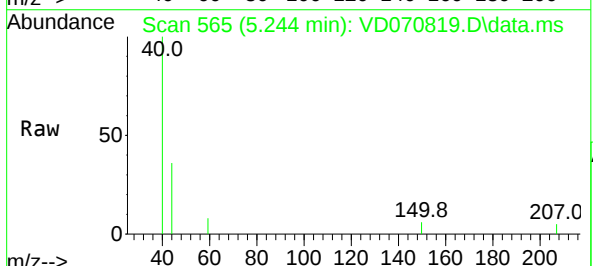
RT: 5.244 min Scan# 565

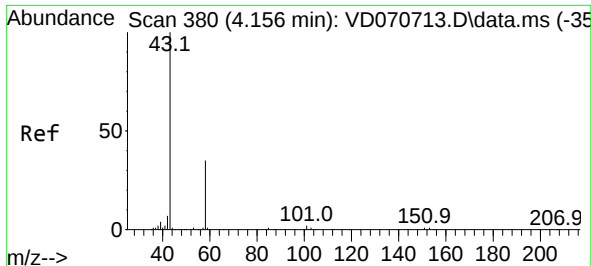
Delta R.T. 0.029 min

Lab File: VD070819.D

Acq: 22 Oct 2021 12:25

Tgt Ion:	59	Resp:	79
Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.5	6.7#

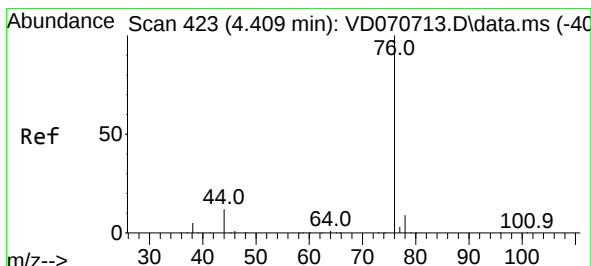
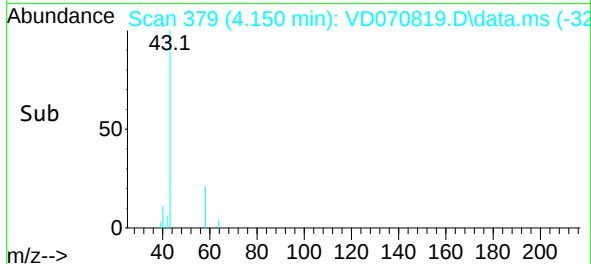
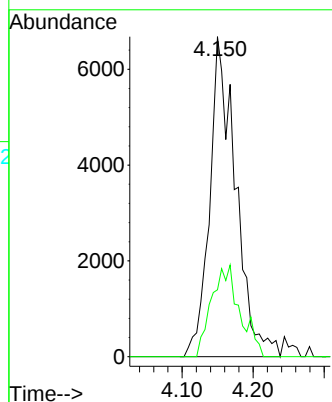
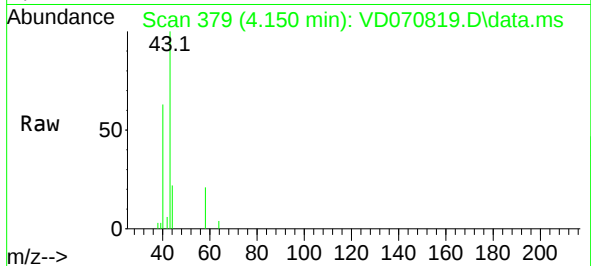




#16
Acetone
Concen: 65.061 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

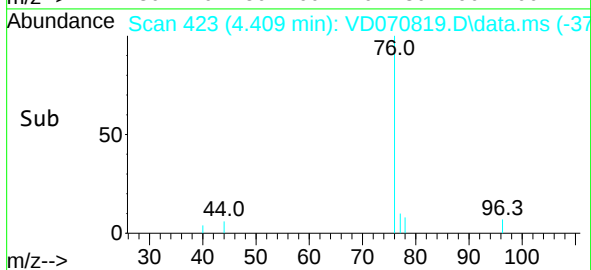
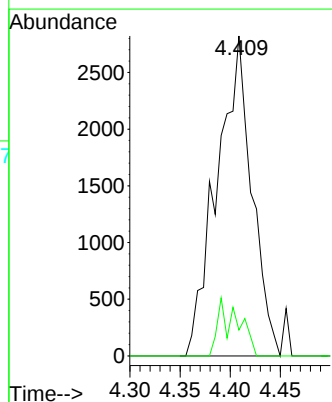
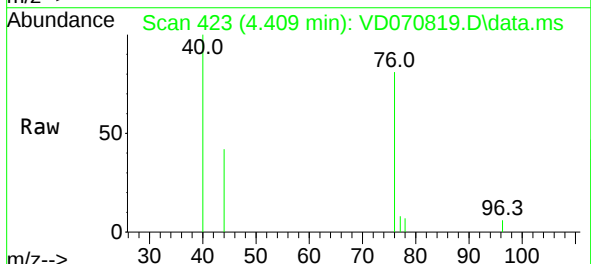
Instrument :
MSVOA_D
ClientSampleId :

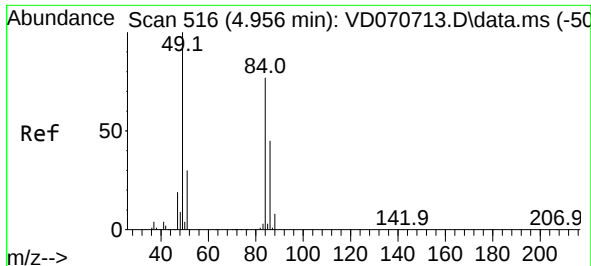
Tgt Ion: 43 Resp: 16973
Ion Ratio Lower Upper
43 100
58 20.9 28.2 42.2#



#17
Carbon Disulfide
Concen: 1.883 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

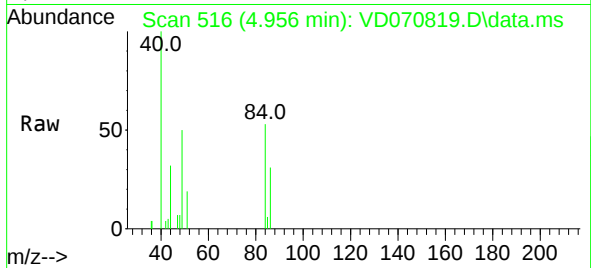
Tgt Ion: 76 Resp: 6812
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.2





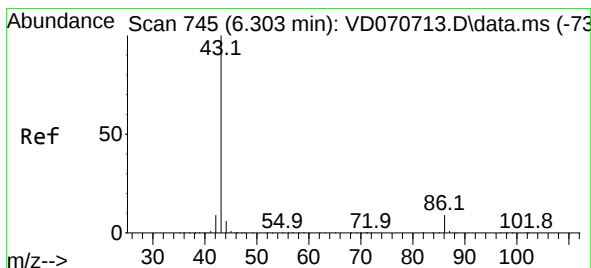
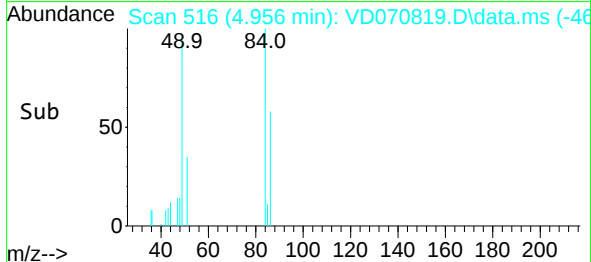
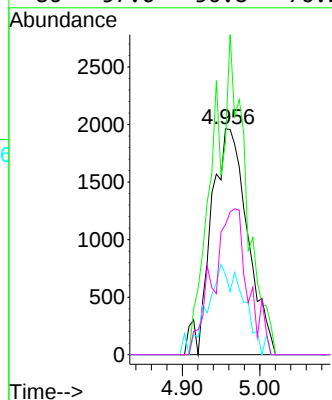
#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 6411

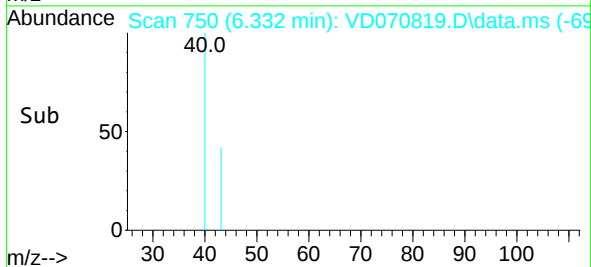
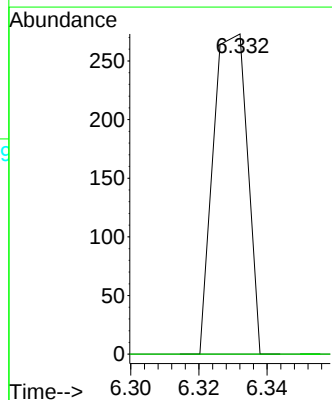
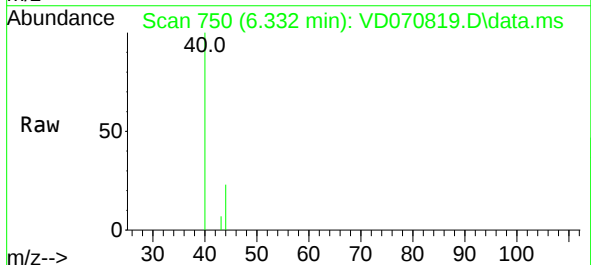
Ion	Ratio	Lower	Upper
84	100		
49	94.2	91.4	137.2
51	35.5	26.7	40.1
86	57.6	50.8	76.2

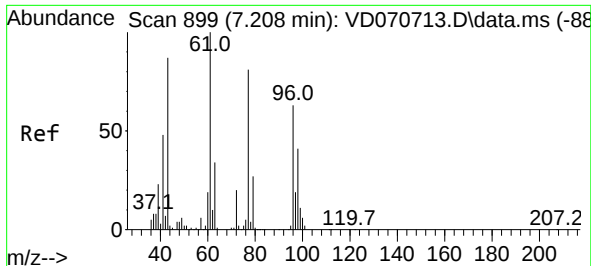


#23
Vinyl Acetate
Concen: 16.421 ug/l
RT: 6.332 min Scan# 750
Delta R.T. 0.029 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

Tgt Ion: 43 Resp: 190

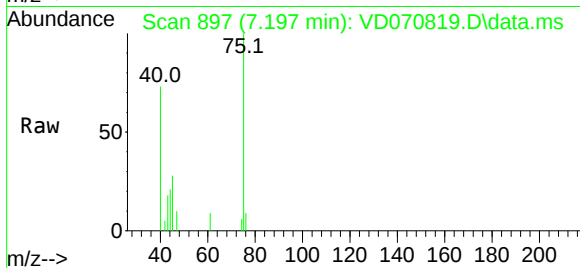
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#



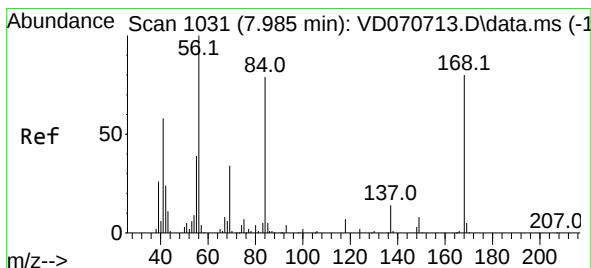
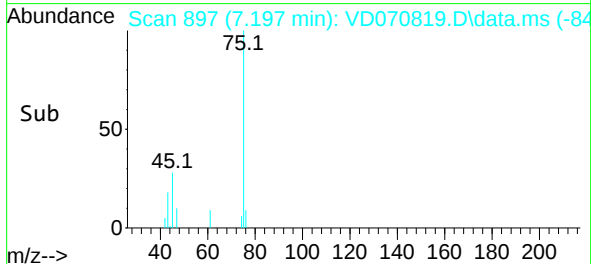


#25
2-Butanone
Concen: 1.961 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

Instrument :
MSVOA_D
ClientSampled :

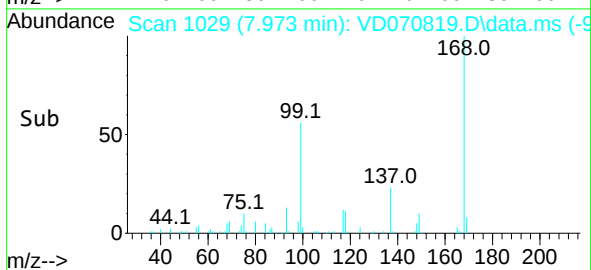
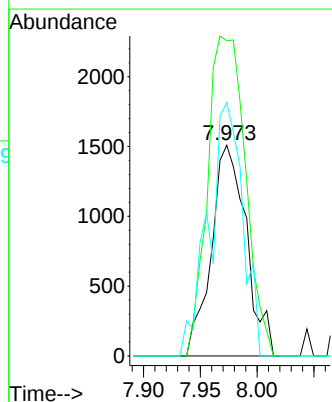
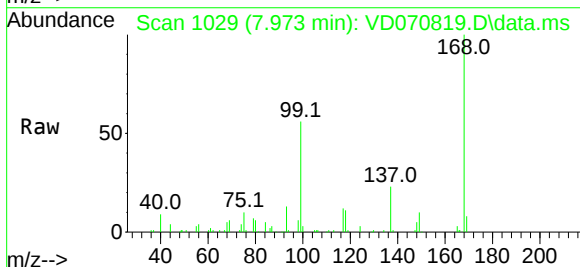


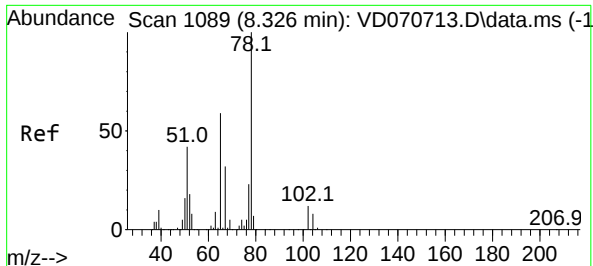
Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
72 0.0 25.2 37.8#



#31
Cyclohexane
Concen: 1.475 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

Tgt Ion: 56 Resp: 3228
Ion Ratio Lower Upper
56 100
69 149.6 27.4 41.2#
84 120.2 73.6 110.4#

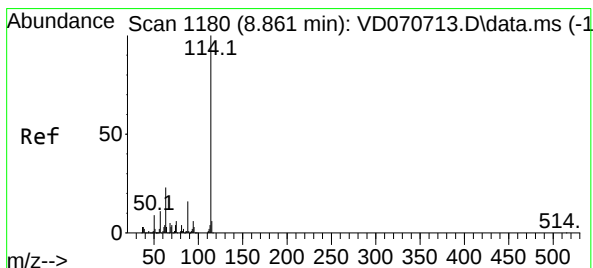
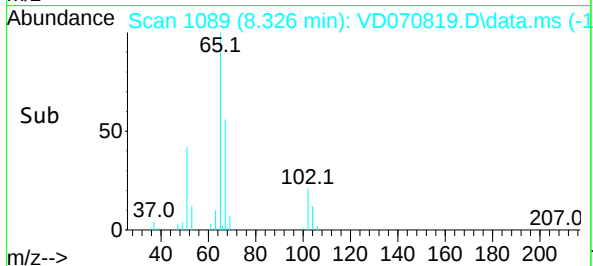
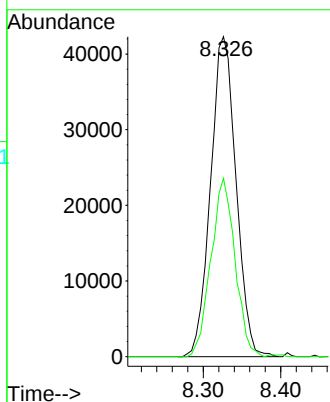
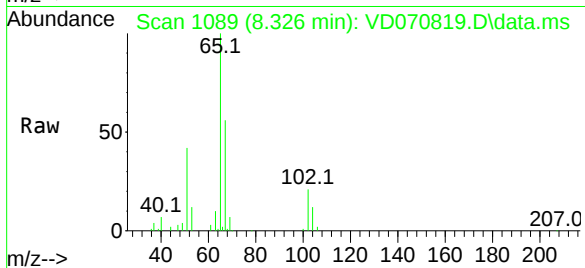




#33
1,2-Dichloroethane-d4
Concen: 89.407 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

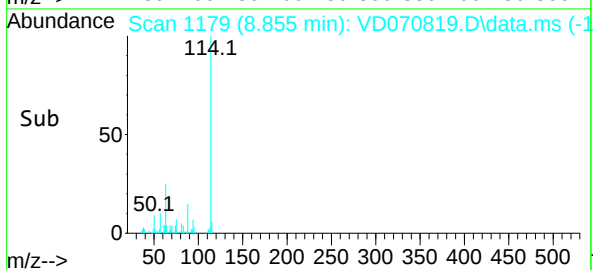
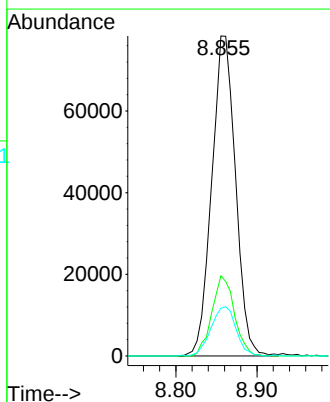
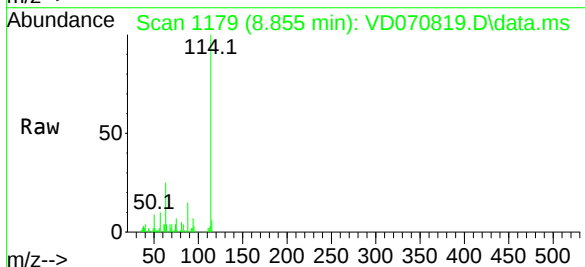
Instrument :
MSVOA_D
ClientSampleId :

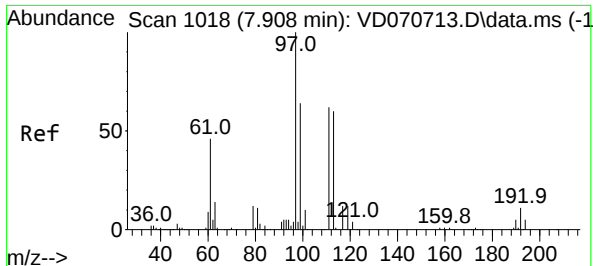
Tgt Ion: 65 Resp: 96704
Ion Ratio Lower Upper
65 100
67 52.7 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

Tgt Ion: 114 Resp: 159916
Ion Ratio Lower Upper
114 100
63 25.1 0.0 41.8
88 14.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 65.185 ug/l

RT: 7.914 min Scan# 1019

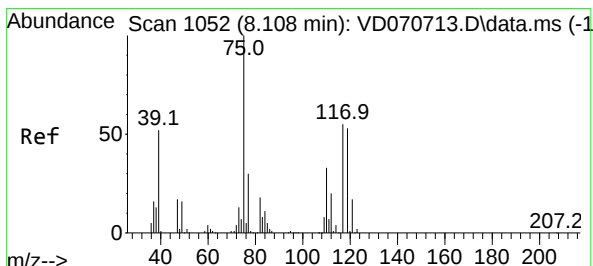
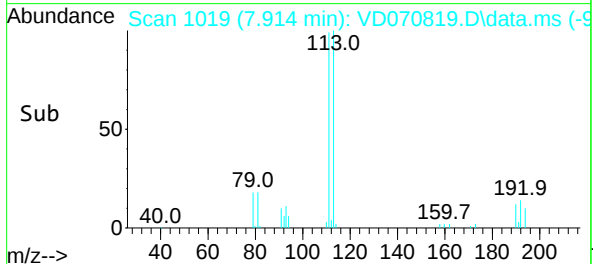
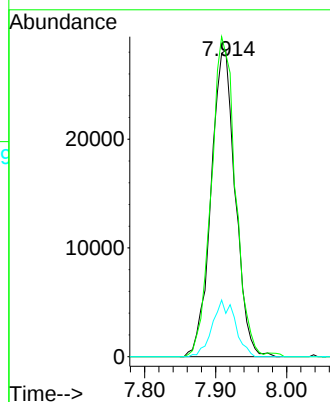
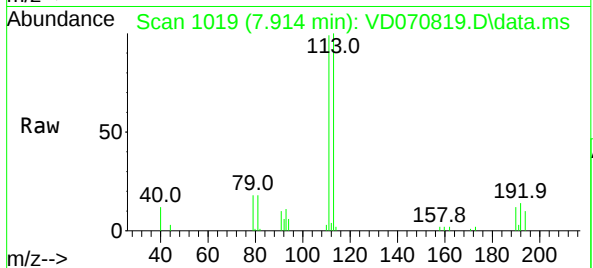
Delta R.T. 0.006 min

Lab File: VD070819.D

Acq: 22 Oct 2021 12:25

Tgt Ion:	113	Resp:	66746
Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	17.5	12.7	19.1

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.107 ug/l

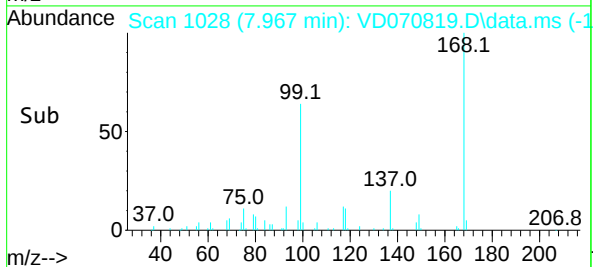
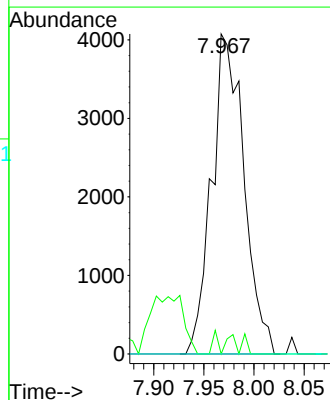
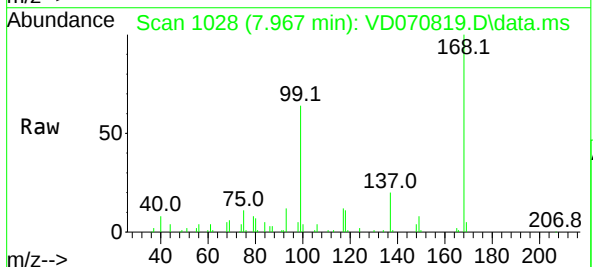
RT: 7.967 min Scan# 1028

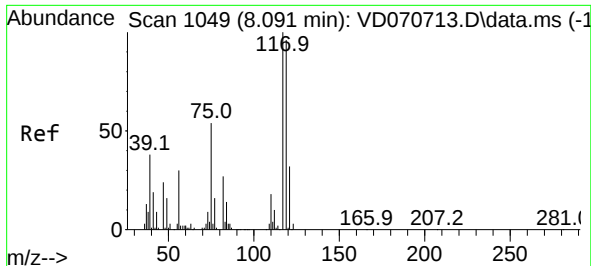
Delta R.T. -0.141 min

Lab File: VD070819.D

Acq: 22 Oct 2021 12:25

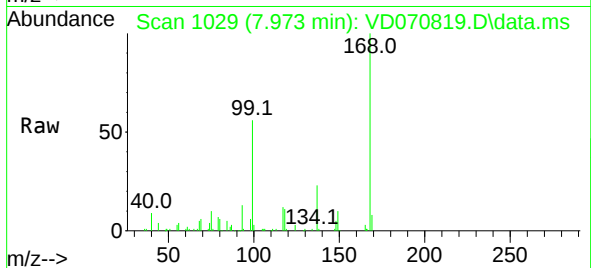
Tgt Ion:	75	Resp:	9098
Ion	Ratio	Lower	Upper
75	100		
110	1.2	17.2	51.6#
77	0.0	24.2	36.4#



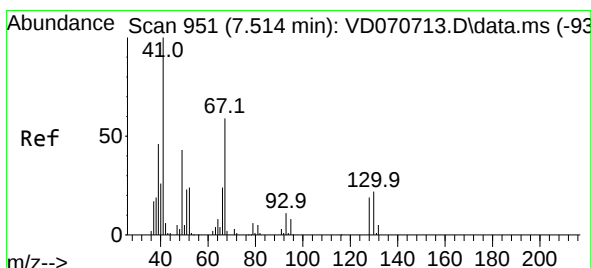
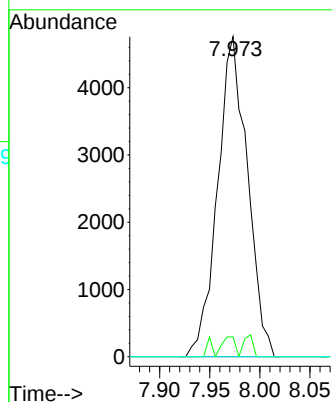
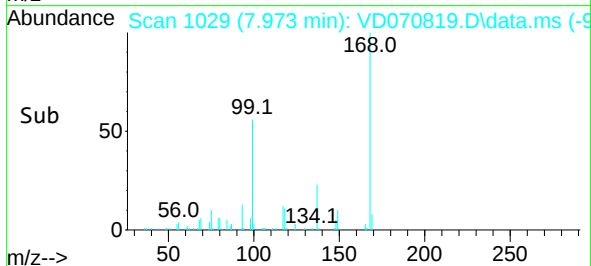


#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

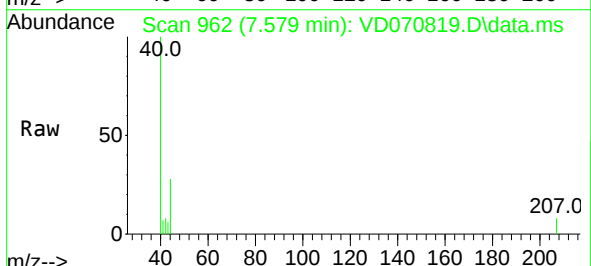
Instrument :
MSVOA_D
ClientSampleId :



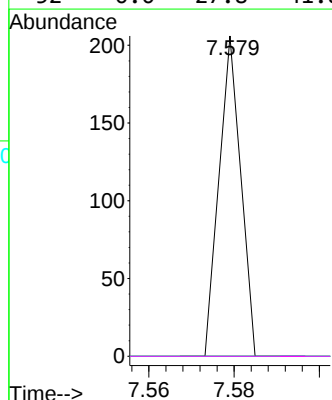
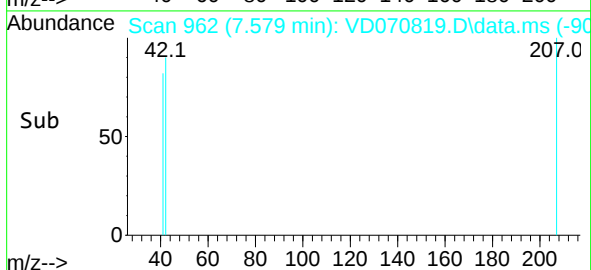
Tgt Ion:117 Resp: 9851
Ion Ratio Lower Upper
117 100
119 6.2 77.4 116.0#
121 0.0 25.4 38.0#

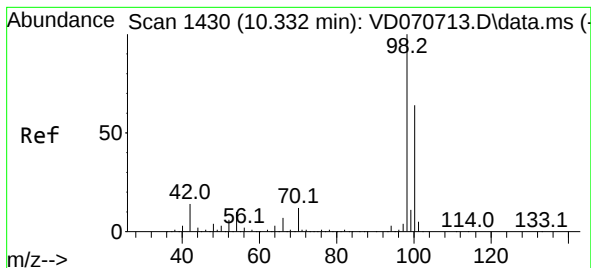


#41
Methacrylonitrile
Concen: 2.094 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.065 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25



Tgt Ion: 41 Resp: 73
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#

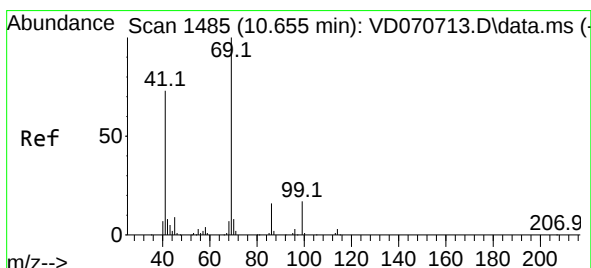
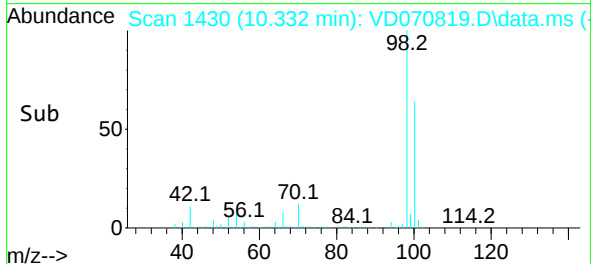
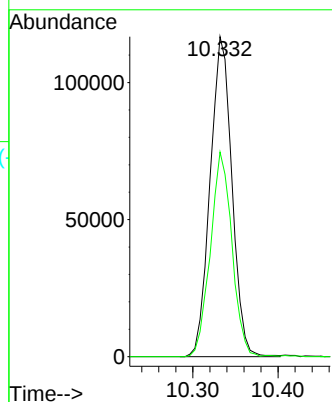
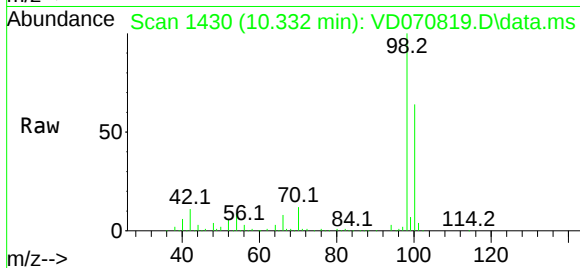




#50
Toluene-d8
Concen: 52.741 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

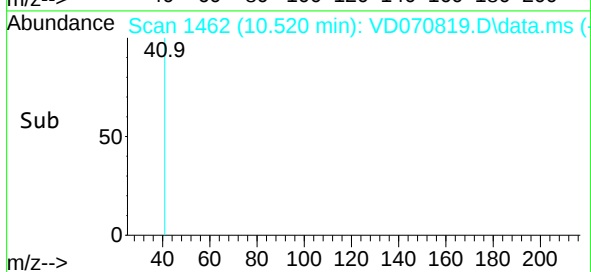
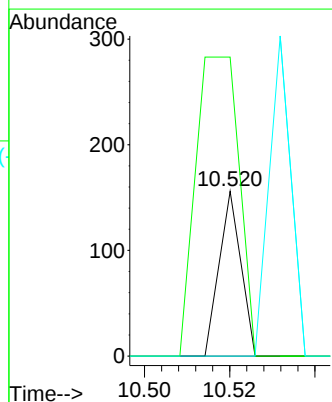
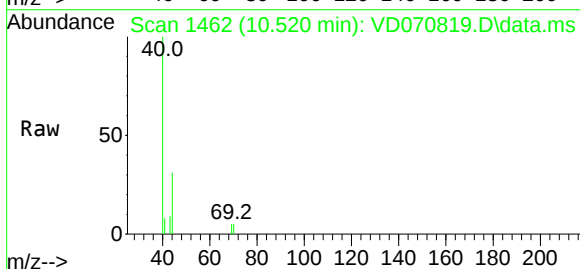
Instrument :
MSVOA_D
ClientSampleId :

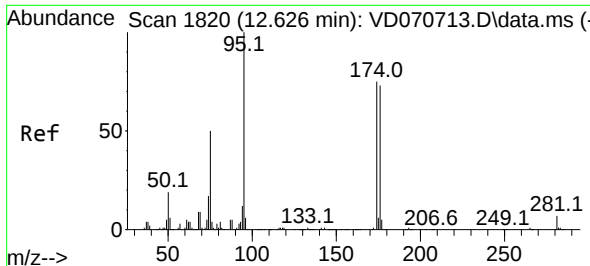
Tgt Ion: 98 Resp: 207018
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.197 ug/l
RT: 10.520 min Scan# 1462
Delta R.T. -0.135 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 363.6 44.7 67.1#
39 194.5 19.5 29.3#

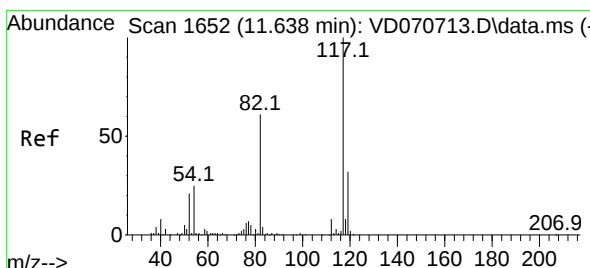
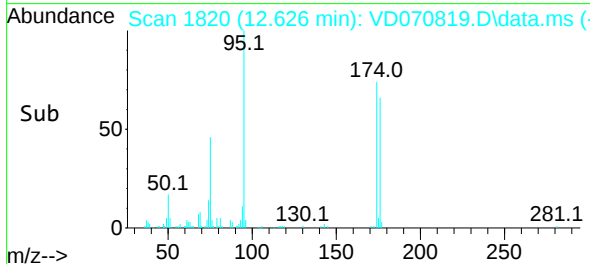
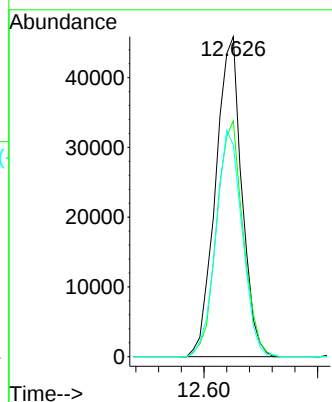
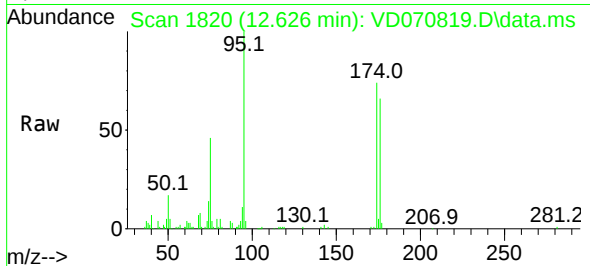




#62
4-Bromofluorobenzene
Concen: 54.301 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

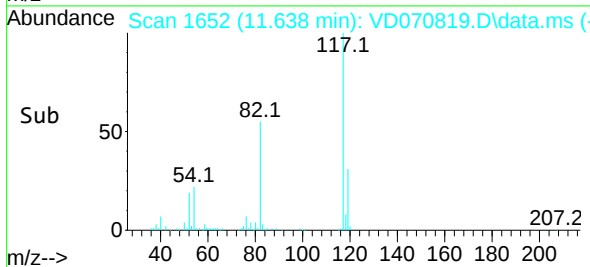
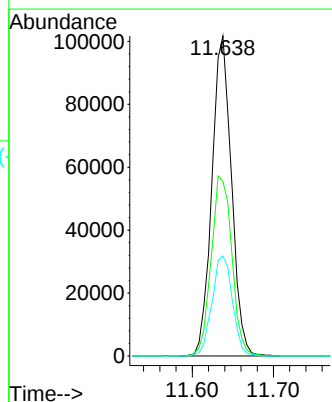
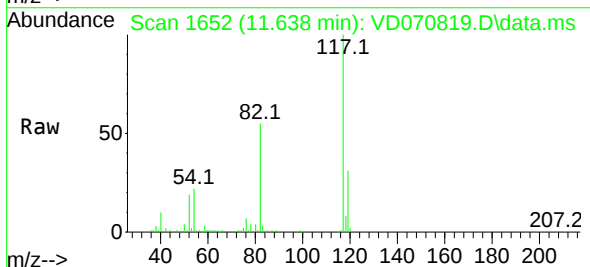
Instrument :
MSVOA_D
ClientSampleId :

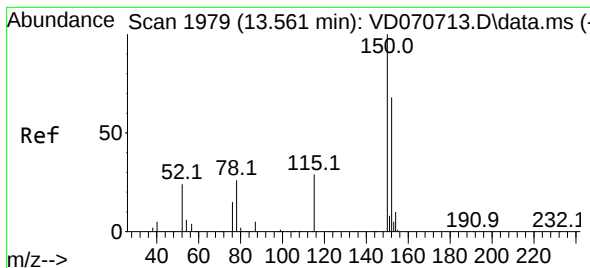
Tgt Ion: 95 Resp: 73391
Ion Ratio Lower Upper
95 100
174 74.5 0.0 138.0
176 71.2 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

Tgt Ion: 117 Resp: 170787
Ion Ratio Lower Upper
117 100
82 54.6 45.4 68.2
119 31.3 24.7 37.1

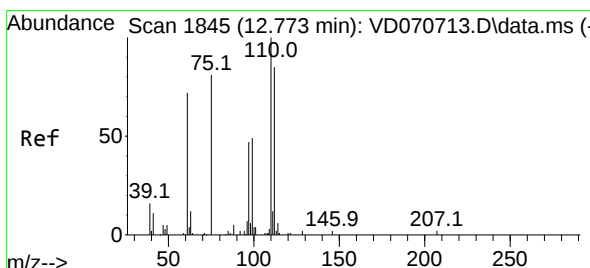
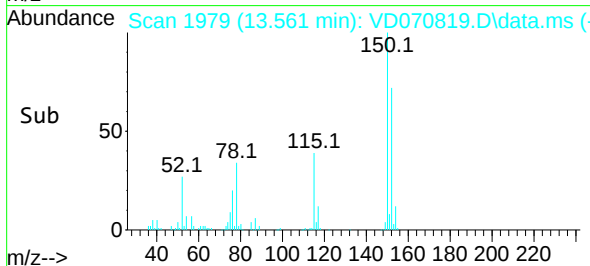
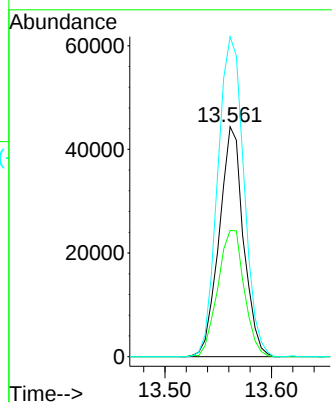
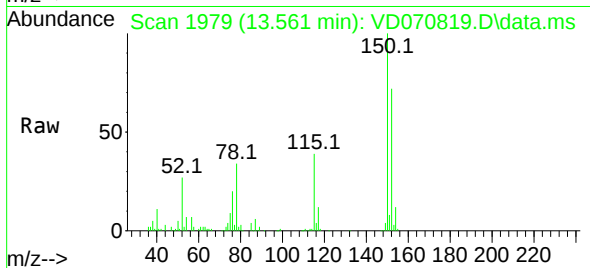




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070819.D
 Acq: 22 Oct 2021 12:25

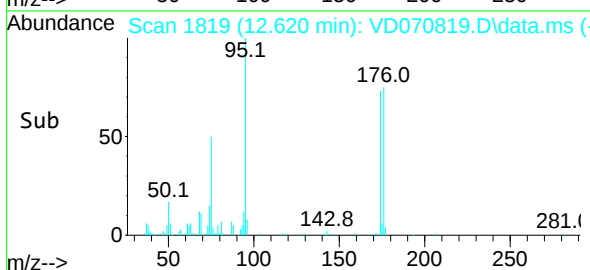
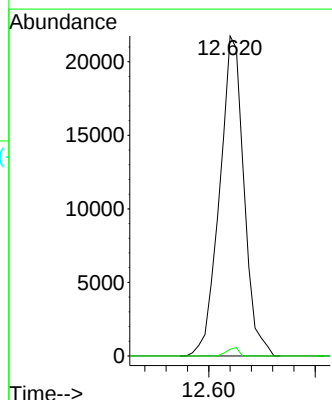
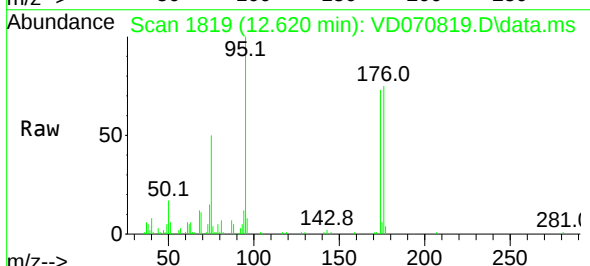
Instrument :
 MSVOA_D
 ClientSampleId :

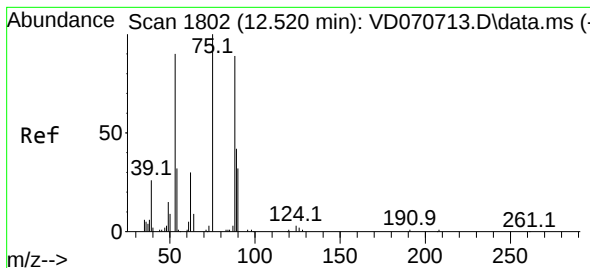
Tgt Ion:152 Resp: 70256
 Ion Ratio Lower Upper
 152 100
 115 59.6 31.9 95.7
 150 149.7 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 56.608 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070819.D
 Acq: 22 Oct 2021 12:25

Tgt Ion: 75 Resp: 34360
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

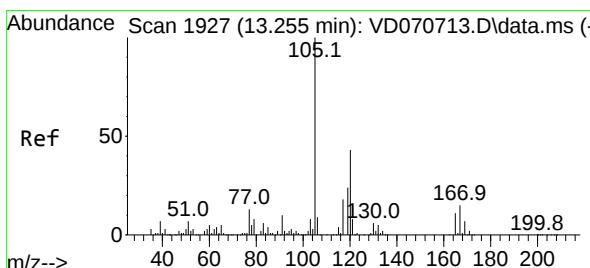
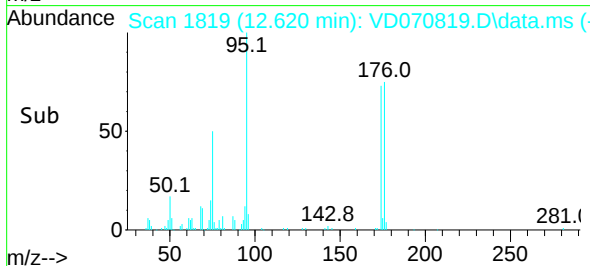
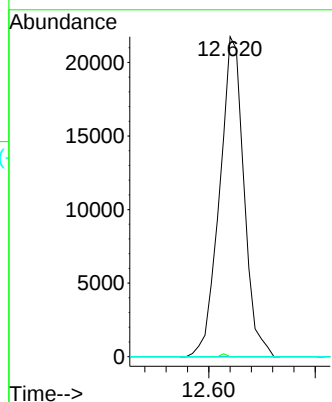
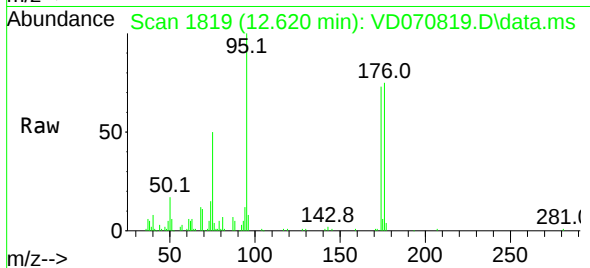




#81
trans-1,4-Dichloro-2-butene
Concen: 123.989 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

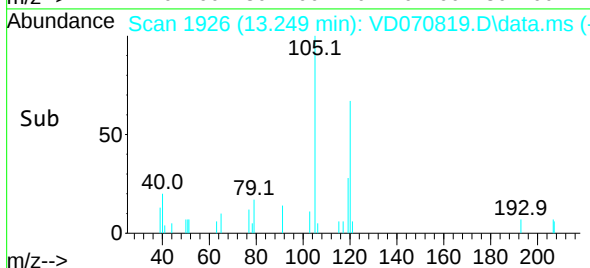
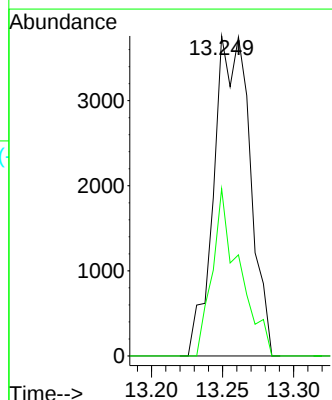
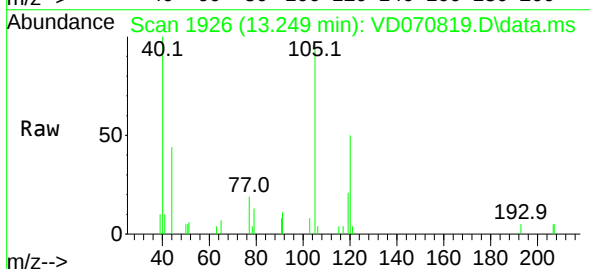
Instrument :
MSVOA_D
ClientSampleId :

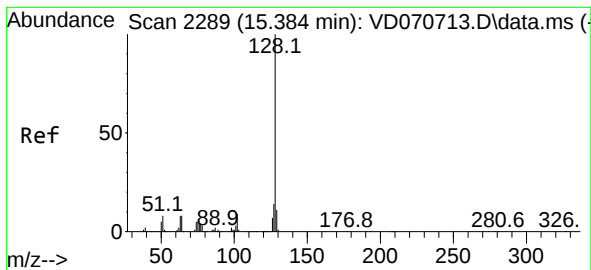
Tgt Ion: 75 Resp: 34360
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.0 35.3 52.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.583 ug/l
RT: 13.249 min Scan# 1926
Delta R.T. -0.006 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

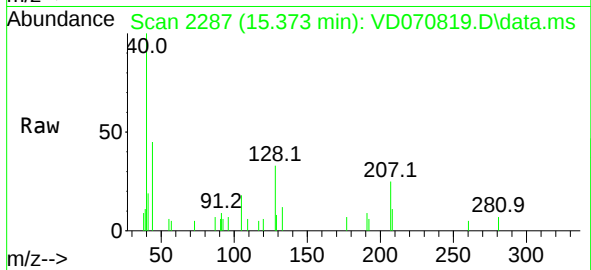
Tgt Ion: 105 Resp: 6660
Ion Ratio Lower Upper
105 100
120 39.0 21.9 65.8





#95
Naphthalene
Concen: 5.777 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD070819.D
Acq: 22 Oct 2021 12:25

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 2475
Ion Ratio Lower Upper
128 100
127 7.5 10.9 16.3#
129 6.3 8.6 12.8#

