

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070732.D
 Acq On : 18 Oct 2021 16:15
 Operator : VA/SY
 Sample : M4259-04
 Misc : 5.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-BS

Quant Time: Oct 19 06:41:21 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)

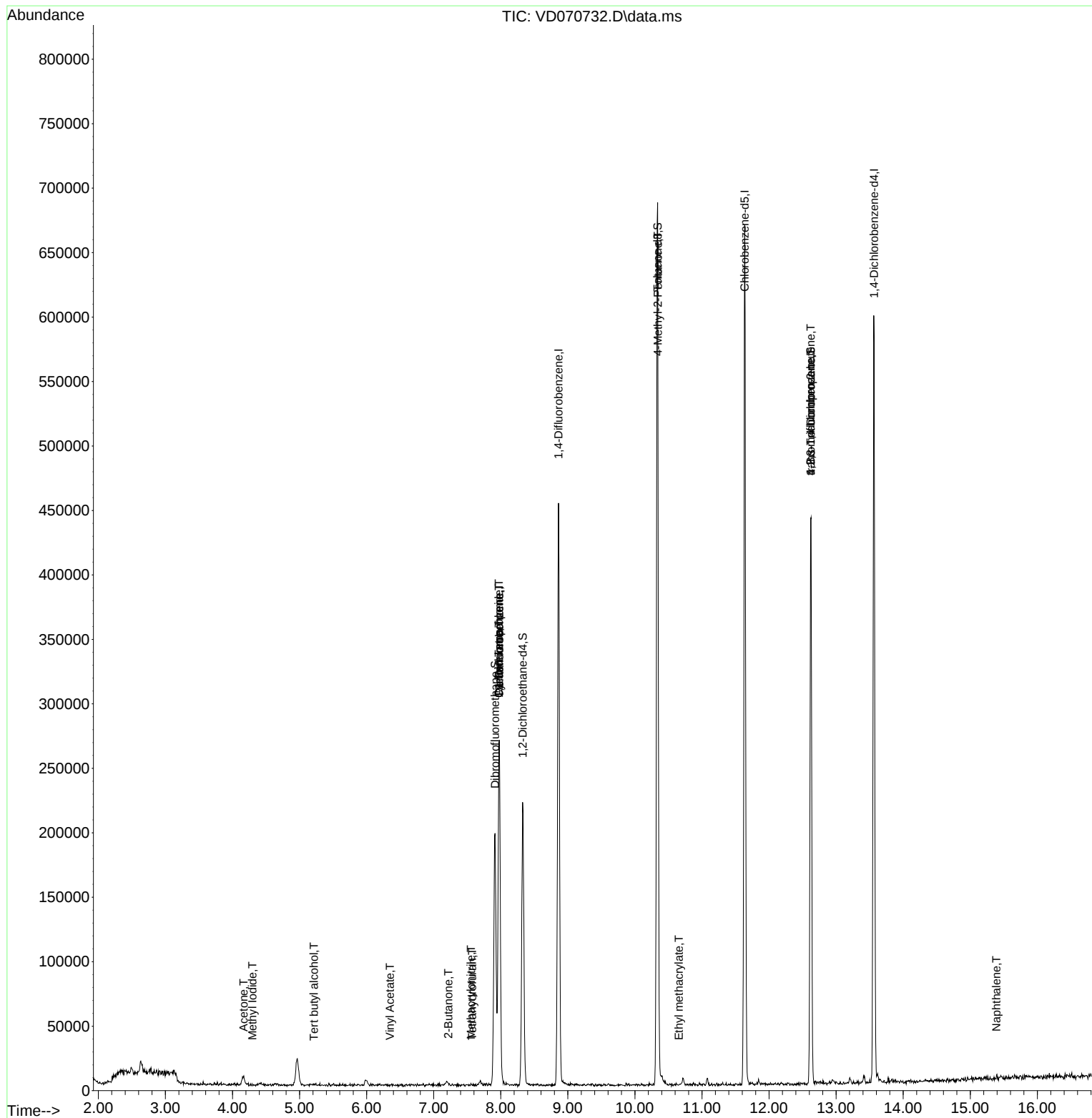
Internal Standards						
1) Pentafluorobenzene	7.979	168	189180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	350525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	366185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	154140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	170634	76.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.300%			
35) Dibromofluoromethane	7.914	113	142113	63.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 126.640%			
50) Toluene-d8	10.338	98	464941	54.040	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.080%			
62) 4-Bromofluorobenzene	12.620	95	151884	51.269	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.540%			
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	312	3.443	ug/l #	85
11) Tert butyl alcohol	5.214	59	437	3.484	ug/l #	83
16) Acetone	4.167	43	12356	22.863	ug/l	98
20) Methylene Chloride	4.967	84	14821	Below Cal	#	89
23) Vinyl Acetate	6.350	43	65	16.344	ug/l #	69
25) 2-Butanone	7.220	43	2619	3.923	ug/l #	88
29) Tetrahydrofuran	7.573	42	596	1.458	ug/l #	41
31) Cyclohexane	7.973	56	5456	1.204	ug/l #	7
36) 1,1-Dichloropropene	7.973	75	17444	4.467	ug/l #	50
38) Carbon Tetrachloride	7.973	117	20978	5.609	ug/l #	19
41) Methacrylonitrile	7.555	41	189	2.121	ug/l #	16
51) 4-Methyl-2-Pentanone	10.343	43	2425	1.491	ug/l #	1
56) Ethyl methacrylate	10.655	69	82	4.184	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	76460	57.415	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	76460	125.757	ug/l #	17
95) Naphthalene	15.390	128	550	4.892	ug/l #	85

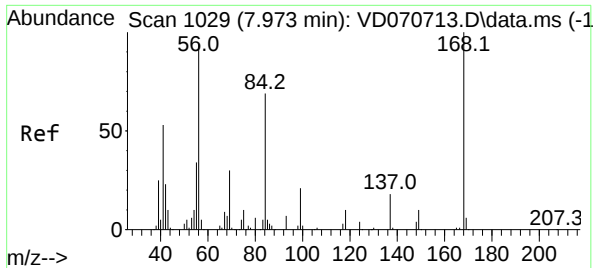
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 19 06:41:21 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

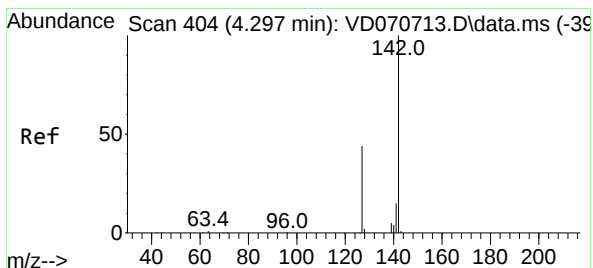
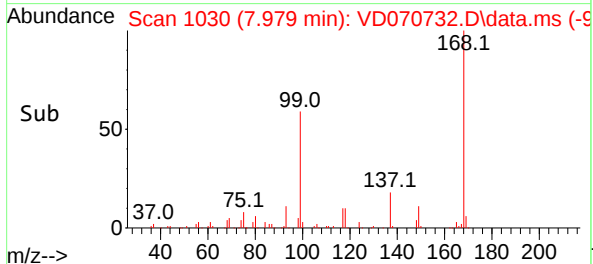
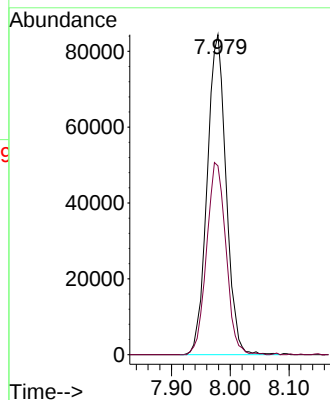
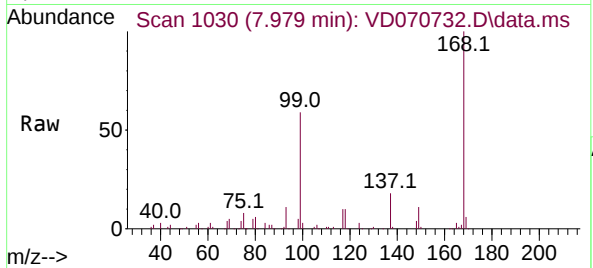




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

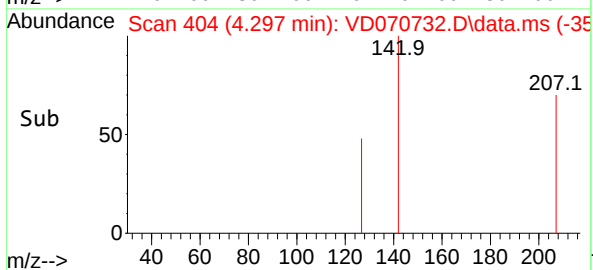
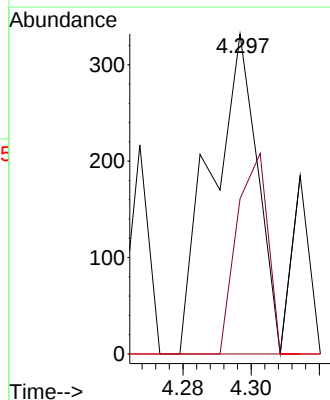
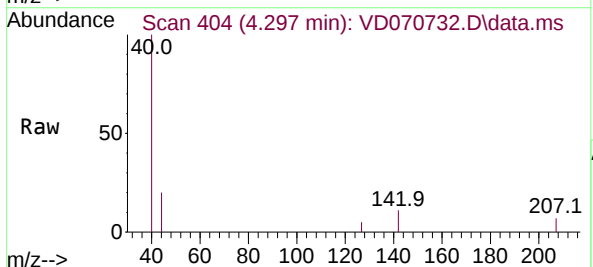
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BS

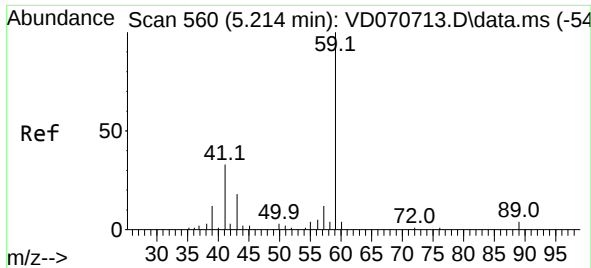
Tgt Ion:168 Resp: 189180
Ion Ratio Lower Upper
168 100
99 59.0 51.4 77.0



#10
Methyl Iodide
Concen: 3.443 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion:142 Resp: 312
Ion Ratio Lower Upper
142 100
127 41.7 37.5 56.3
141 0.0 12.1 18.1#

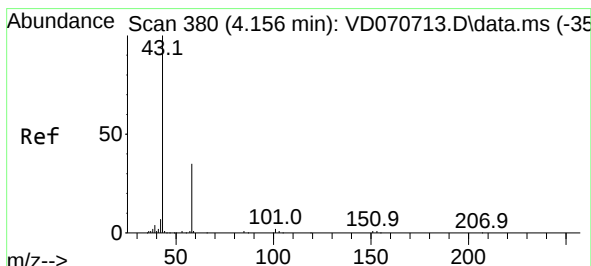
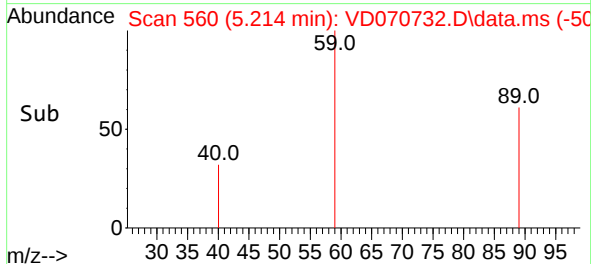
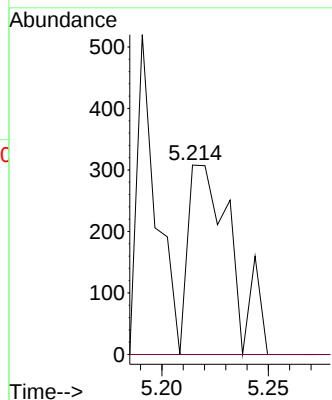
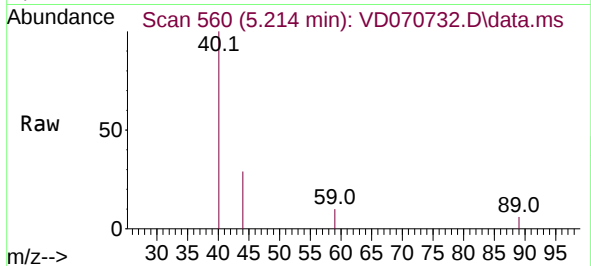




#11
Tert butyl alcohol
Concen: 3.484 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.000 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

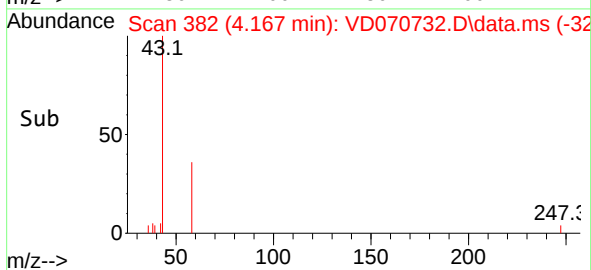
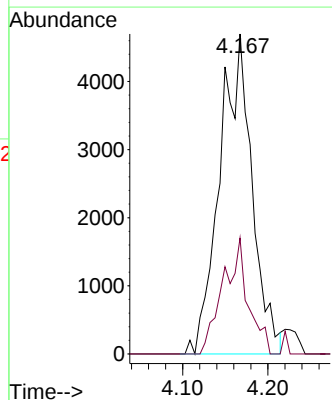
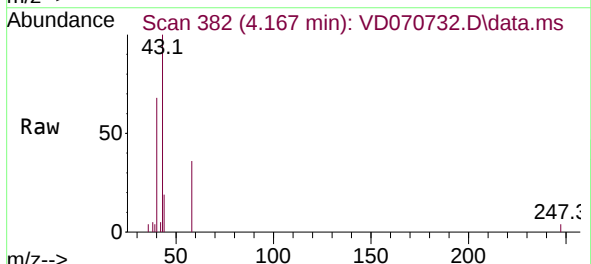
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BS

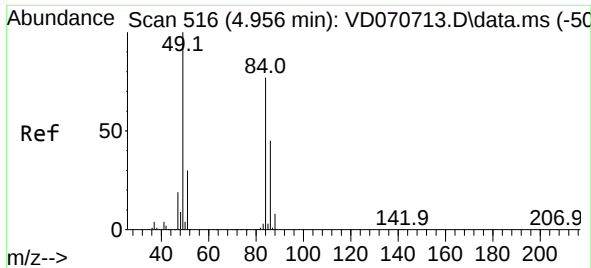
Tgt Ion: 59 Resp: 437
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 22.863 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion: 43 Resp: 12356
Ion Ratio Lower Upper
43 100
58 36.2 28.2 42.2

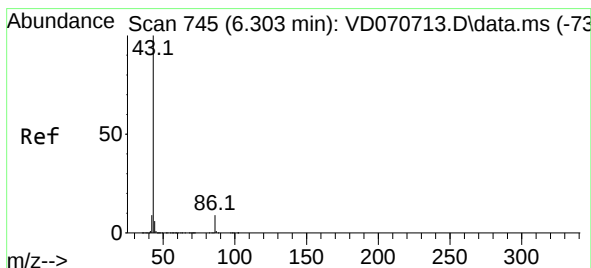
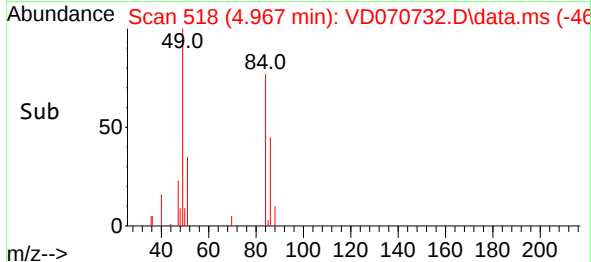
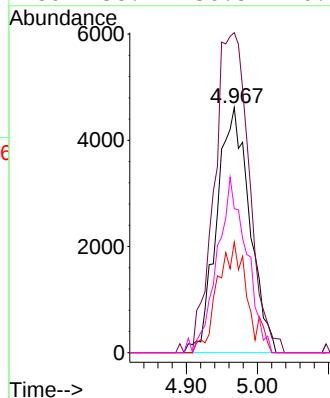
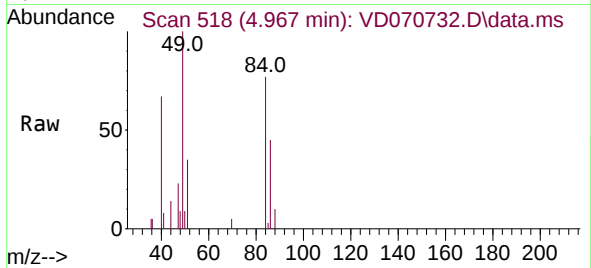




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

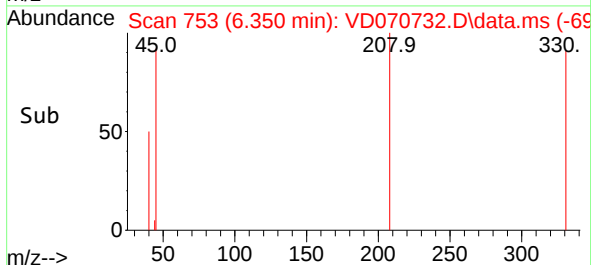
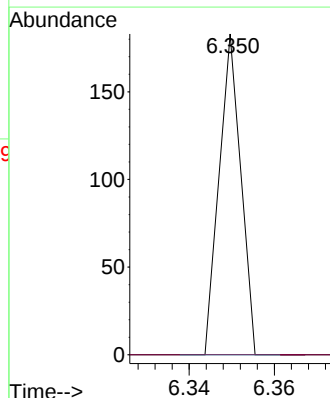
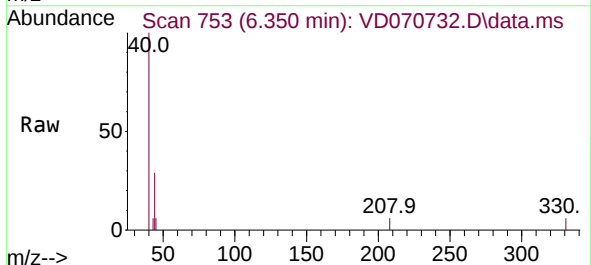
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BS

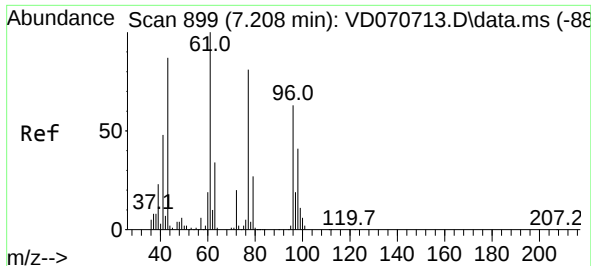
Tgt Ion:	84	Resp:	14821
Ion	Ratio	Lower	Upper
84	100		
49	126.9	91.4	137.2
51	45.1	26.7	40.1#
86	58.7	50.8	76.2



#23
Vinyl Acetate
Concen: 16.344 ug/l
RT: 6.350 min Scan# 753
Delta R.T. 0.047 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion:	43	Resp:	65
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#

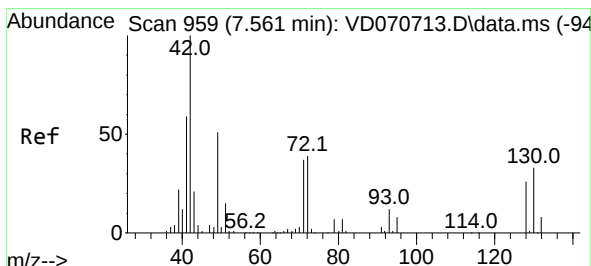
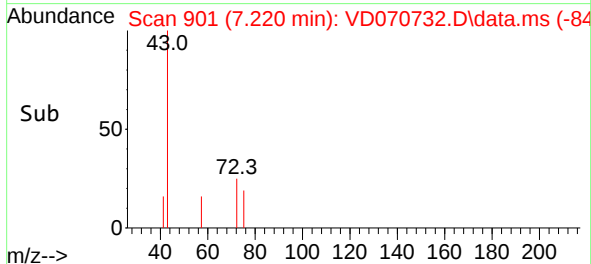
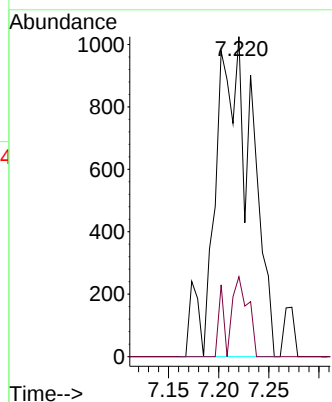
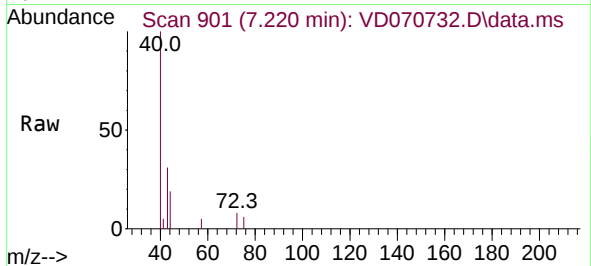




#25
2-Butanone
Concen: 3.923 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

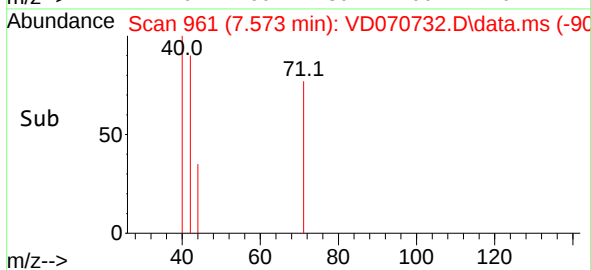
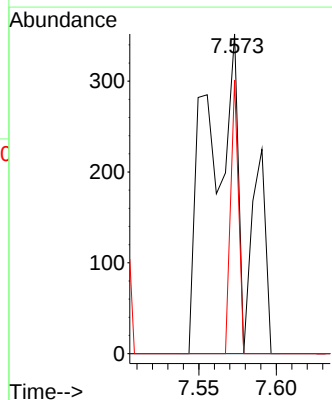
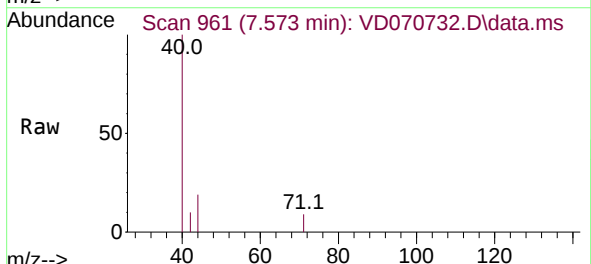
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BS

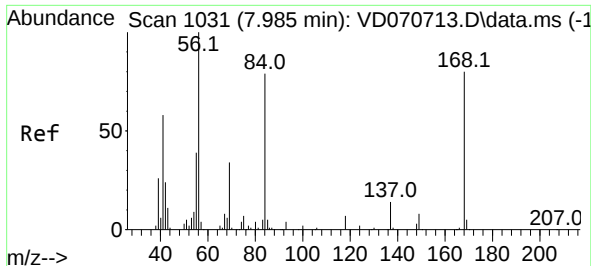
Tgt Ion: 43 Resp: 2619
Ion Ratio Lower Upper
43 100
72 25.0 25.2 37.8#



#29
Tetrahydrofuran
Concen: 1.458 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion: 42 Resp: 596
Ion Ratio Lower Upper
42 100
72 0.0 40.2 60.4#
71 17.8 37.2 55.8#





#31

Cyclohexane

Concen: 1.204 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070732.D

Acq: 18 Oct 2021 16:15

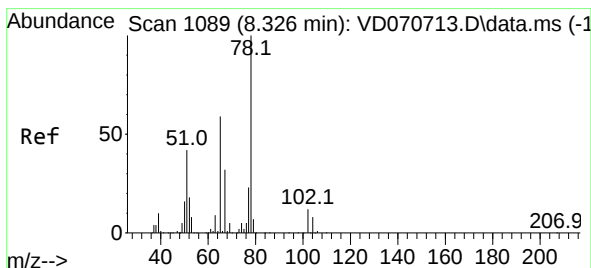
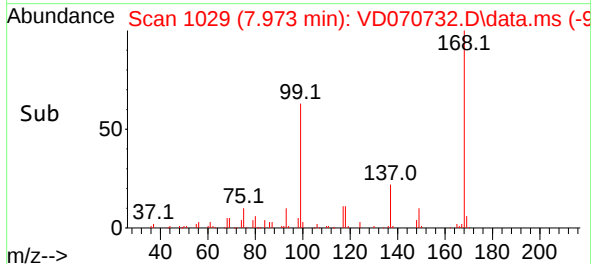
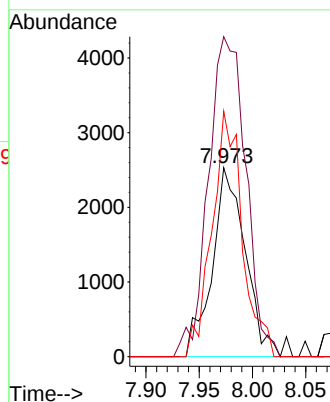
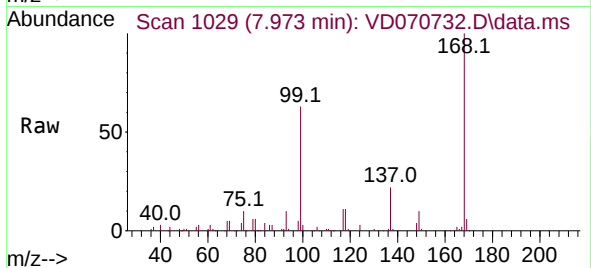
Instrument :

MSVOA_D

ClientSampleId :

WC-1-BS

Tgt Ion:	56	Resp:	5456
Ion	Ratio	Lower	Upper
56	100		
69	169.4	27.4	41.2#
84	130.0	73.6	110.4#



#33

1,2-Dichloroethane-d4

Concen: 76.152 ug/l

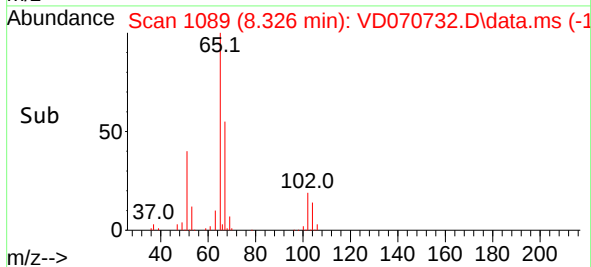
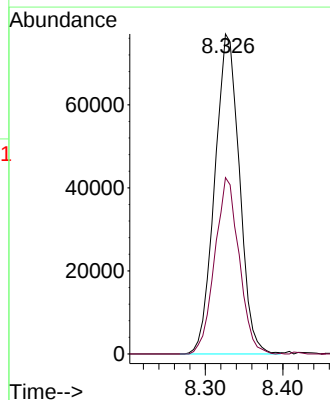
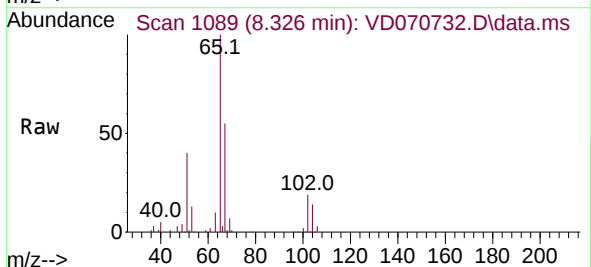
RT: 8.326 min Scan# 1089

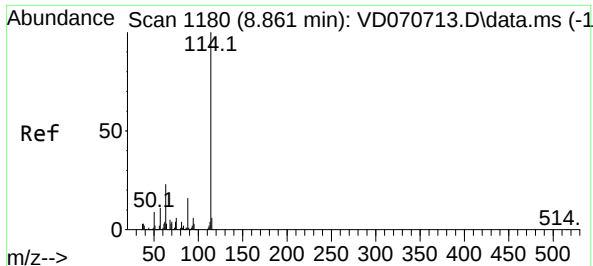
Delta R.T. -0.000 min

Lab File: VD070732.D

Acq: 18 Oct 2021 16:15

Tgt Ion:	65	Resp:	170634
Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	110.2



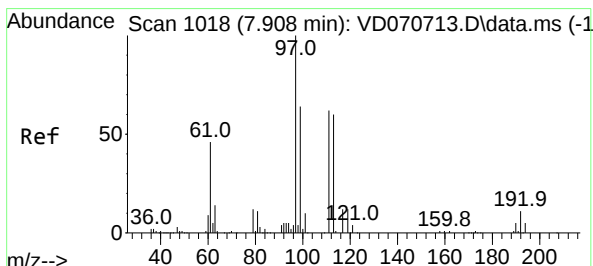
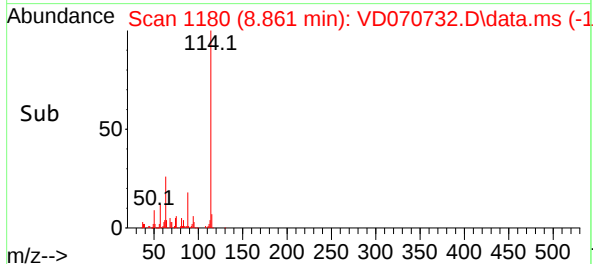
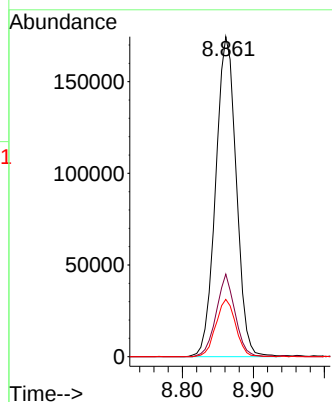
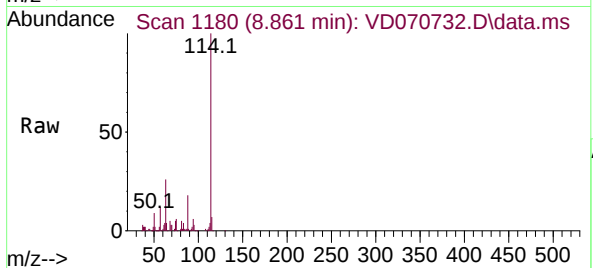


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Instrument :
MSVOA_D
ClientSampleId :
WC-1-BS

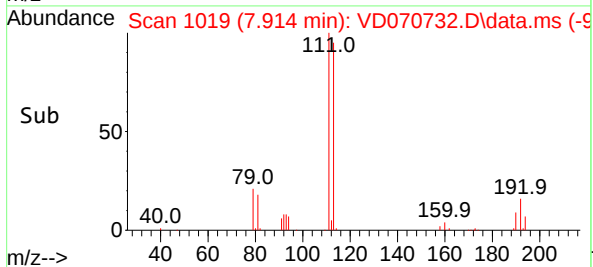
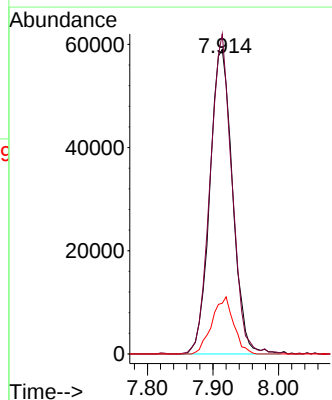
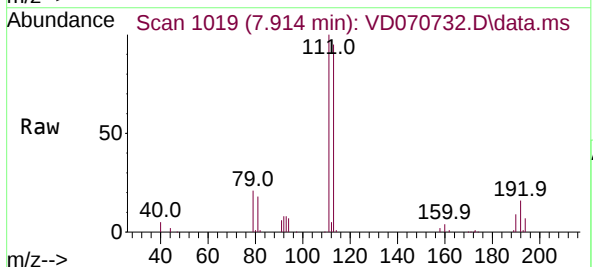
Tgt Ion:114	Resp:	350525
Ion Ratio	Lower	Upper
114	100	
63	25.8	0.0 41.8
88	17.9	0.0 32.6

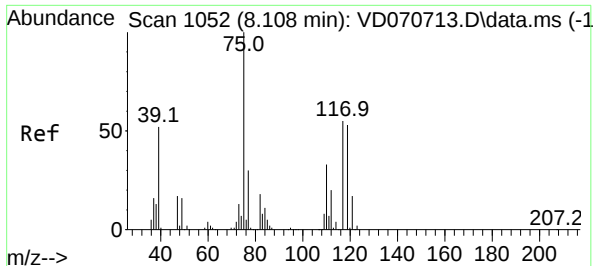


#35

Dibromofluoromethane
Concen: 63.318 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion:113	Resp:	142113
Ion Ratio	Lower	Upper
113	100	
111	101.0	83.1 124.7
192	17.8	12.7 19.1

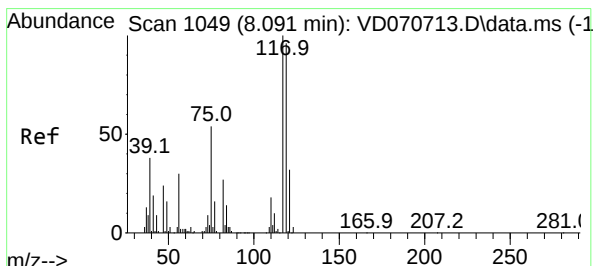
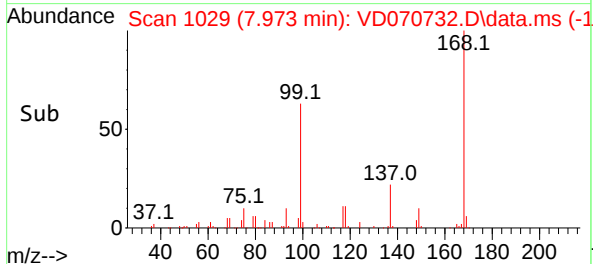
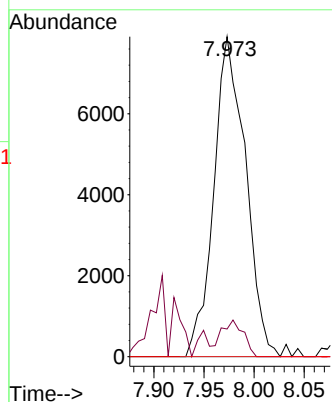
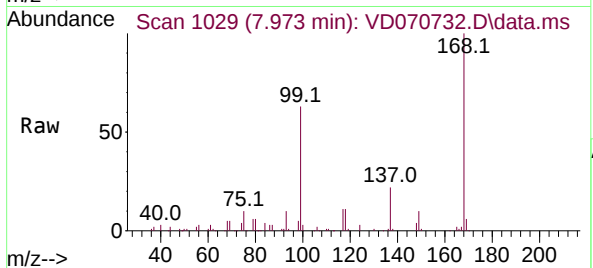




#36
1,1-Dichloropropene
Concen: 4.467 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

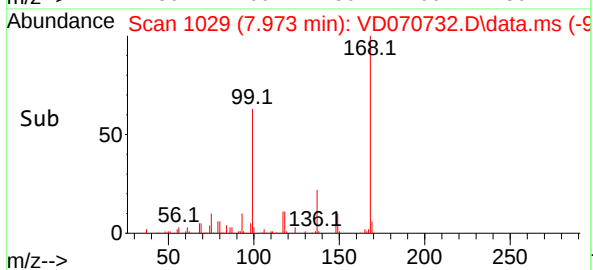
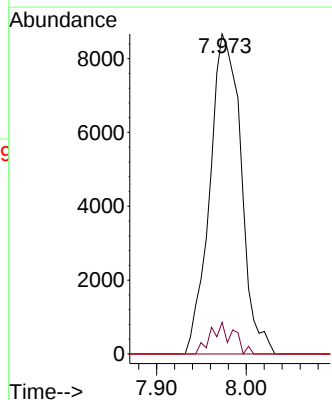
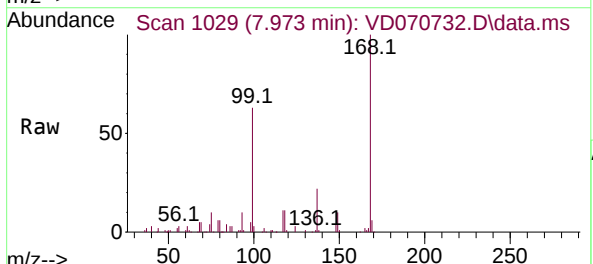
Instrument :
MSVOA_D
ClientSampled :
WC-1-BS

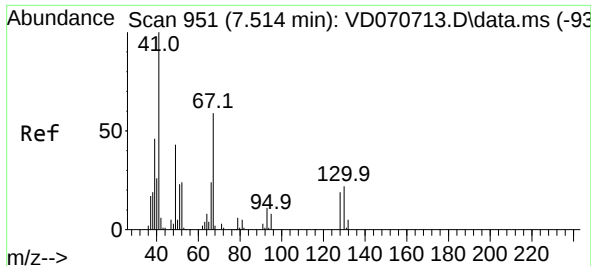
Tgt Ion: 75 Resp: 17444
Ion Ratio Lower Upper
75 100
110 8.1 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.609 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion: 117 Resp: 20978
Ion Ratio Lower Upper
117 100
119 9.9 77.4 116.0#
121 0.0 25.4 38.0#

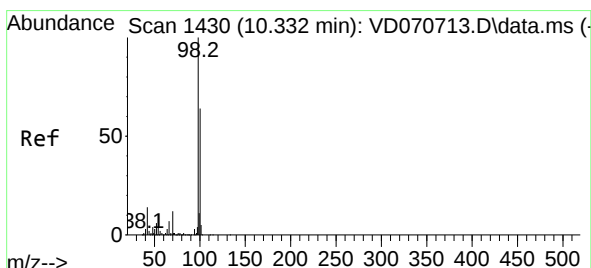
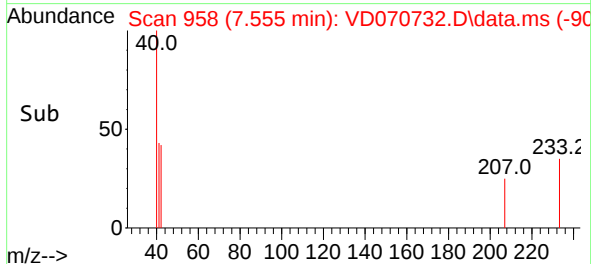
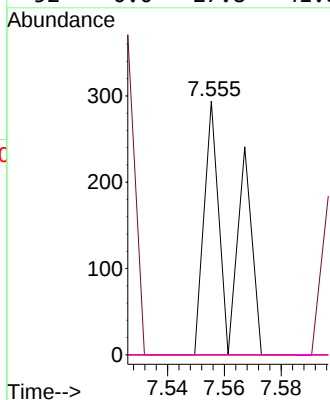
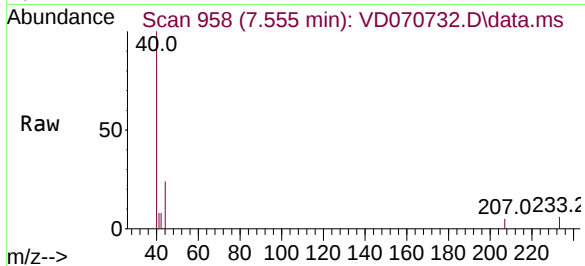




#41
Methacrylonitrile
Concen: 2.121 ug/l
RT: 7.555 min Scan# 958
Delta R.T. 0.041 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

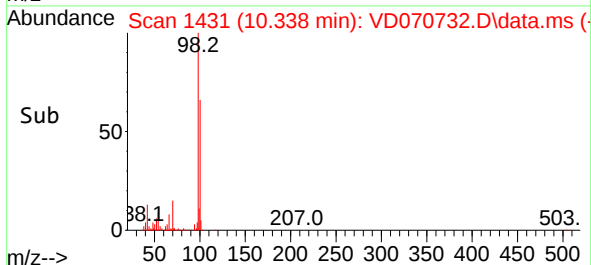
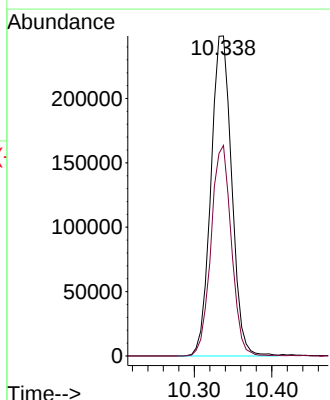
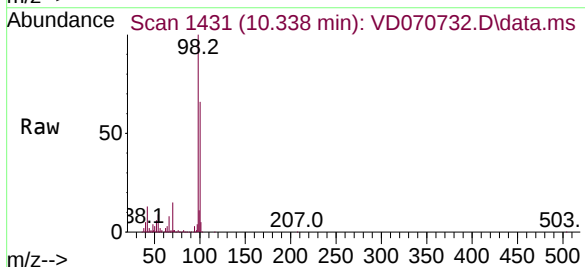
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BS

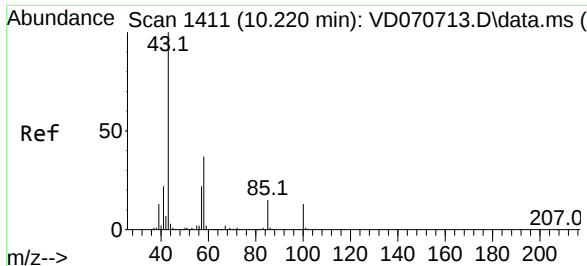
Tgt Ion: 41	Resp: 189
Ion Ratio	Lower Upper
41 100	
39 0.0	45.2 67.8#
67 0.0	75.8 113.6#
52 0.0	27.8 41.8#



#50
Toluene-d8
Concen: 54.040 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion: 98	Resp: 464941
Ion Ratio	Lower Upper
98 100	
100 64.2	52.2 78.4

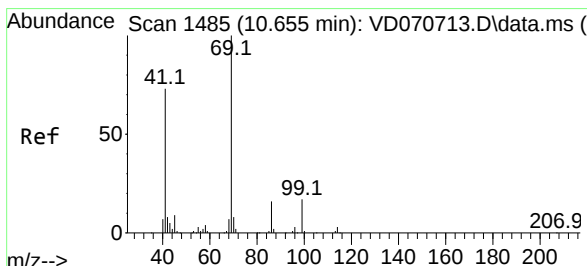
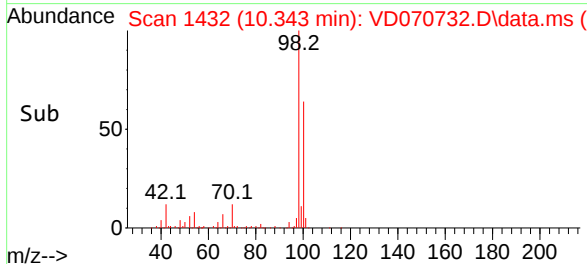
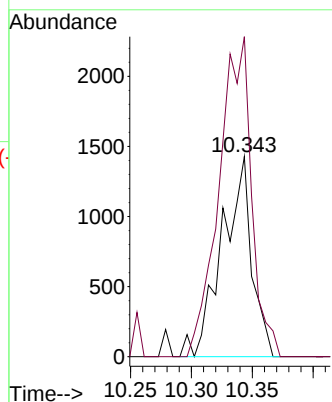
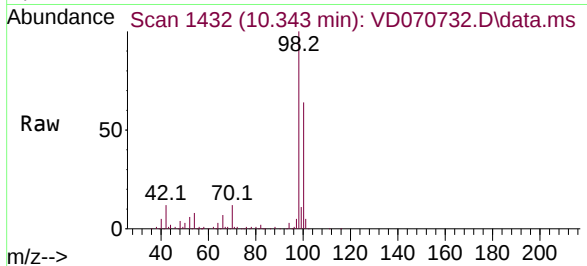




#51
4-Methyl-2-Pentanone
Concen: 1.491 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.123 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

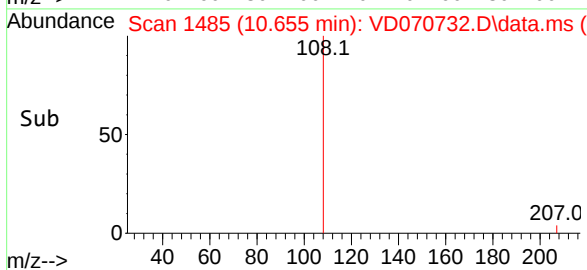
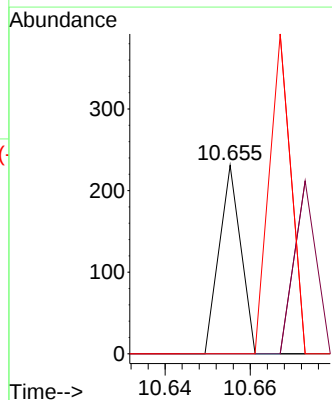
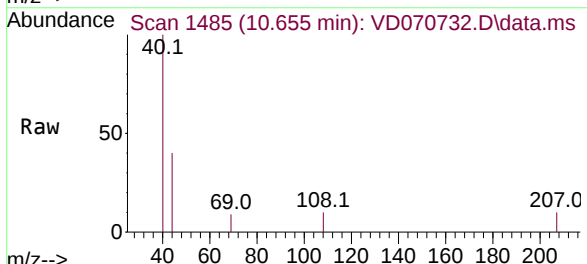
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BS

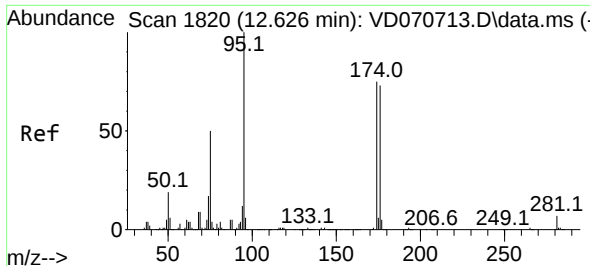
Tgt Ion: 43 Resp: 2425
Ion Ratio Lower Upper
43 100
58 174.8 35.0 52.6#



#56
Ethyl methacrylate
Concen: 4.184 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion: 69 Resp: 82
Ion Ratio Lower Upper
69 100
41 91.5 44.7 67.1#
39 168.3 19.5 29.3#

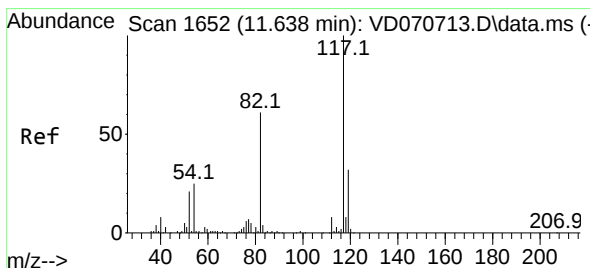
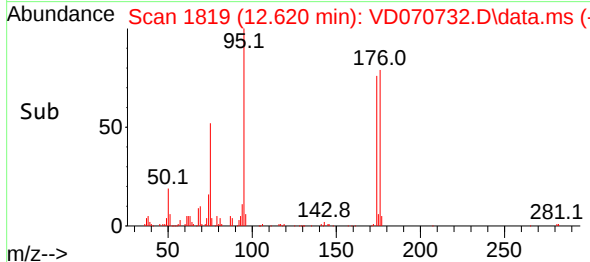
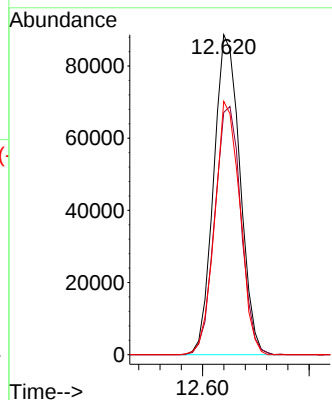
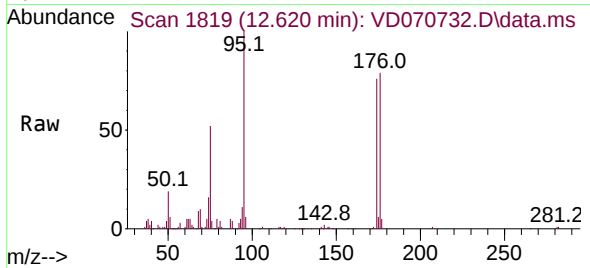




#62
4-Bromofluorobenzene
Concen: 51.269 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

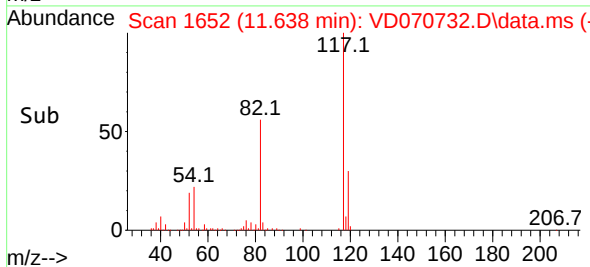
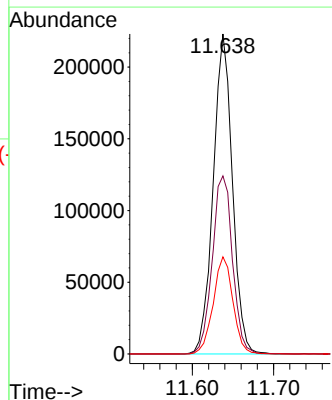
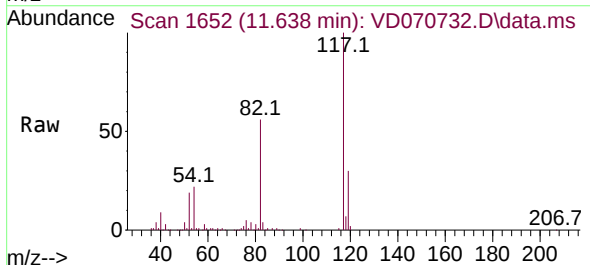
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BS

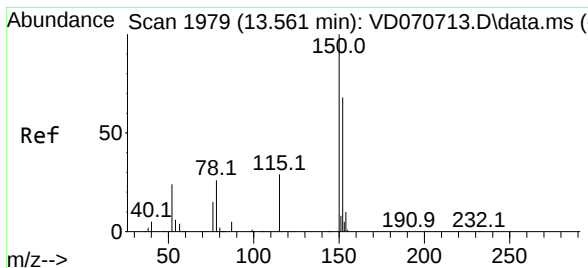
Tgt Ion: 95 Resp: 151884
Ion Ratio Lower Upper
95 100
174 77.5 0.0 138.0
176 76.1 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion: 117 Resp: 366185
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.2
119 30.3 24.7 37.1

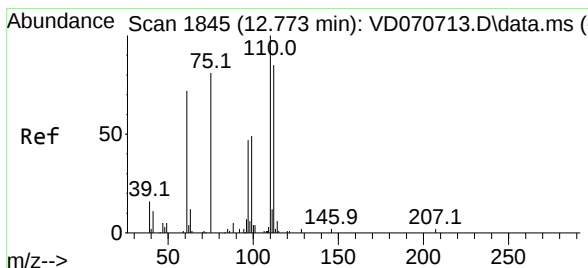
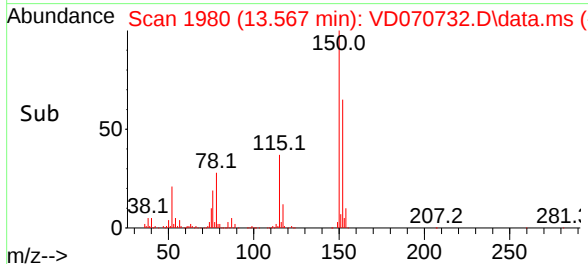
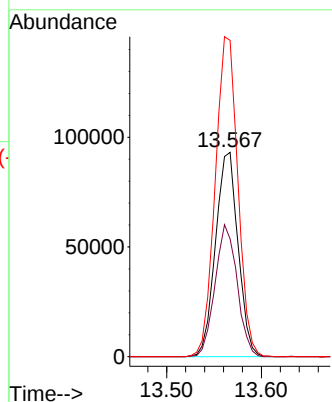
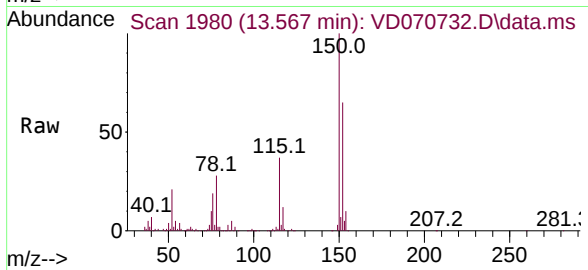




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.006 min
 Lab File: VD070732.D
 Acq: 18 Oct 2021 16:15

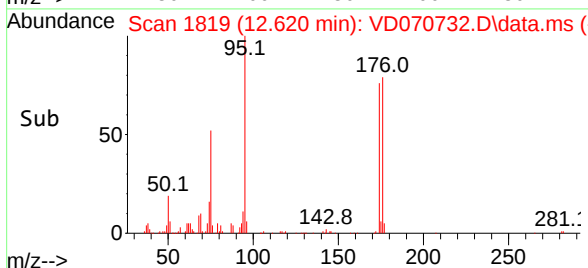
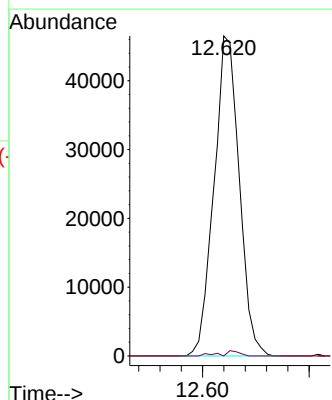
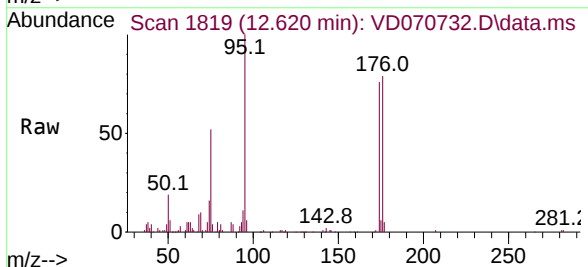
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-BS

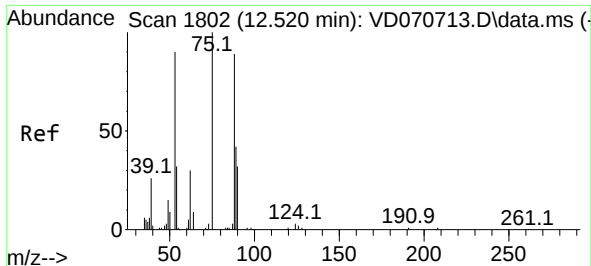
Tgt Ion:152 Resp: 154140
 Ion Ratio Lower Upper
 152 100
 115 63.2 31.9 95.7
 150 156.8 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 57.415 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070732.D
 Acq: 18 Oct 2021 16:15

Tgt Ion: 75 Resp: 76460
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

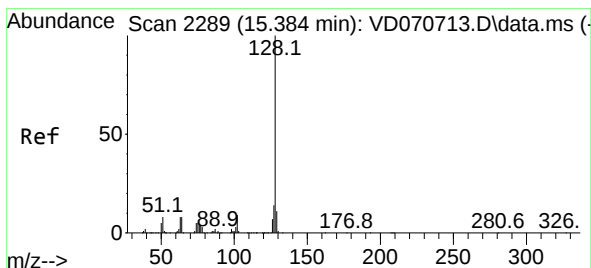
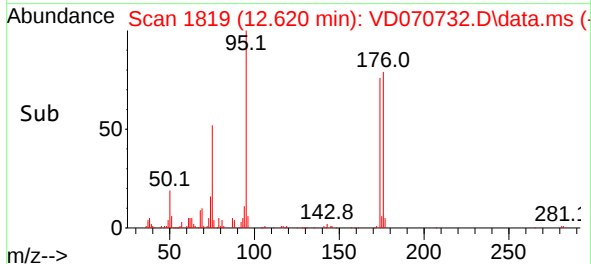
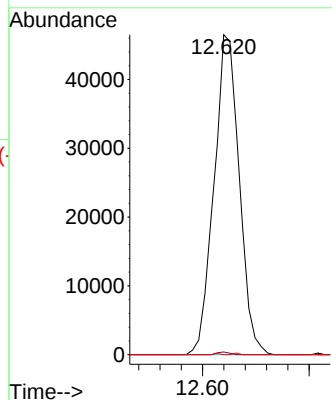
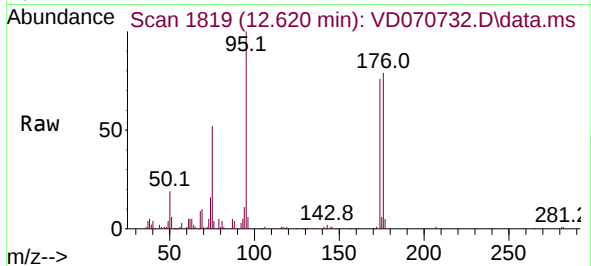




#81
trans-1,4-Dichloro-2-butene
Concen: 125.757 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Instrument :
MSVOA_D
ClientSampleId :
WC-1-BS

Tgt Ion:	75	Resp:	76460
Ion Ratio	Lower	Upper	
75	100		
53	0.4	64.5	96.7#
89	0.1	35.3	52.9#



#95
Naphthalene
Concen: 4.892 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070732.D
Acq: 18 Oct 2021 16:15

Tgt Ion:	128	Resp:	550
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.9	16.3
129	0.0	8.6	12.8#

