

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070858.D
 Acq On : 27 Oct 2021 12:21
 Operator : VA/SY
 Sample : M4325-03
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 03:54:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

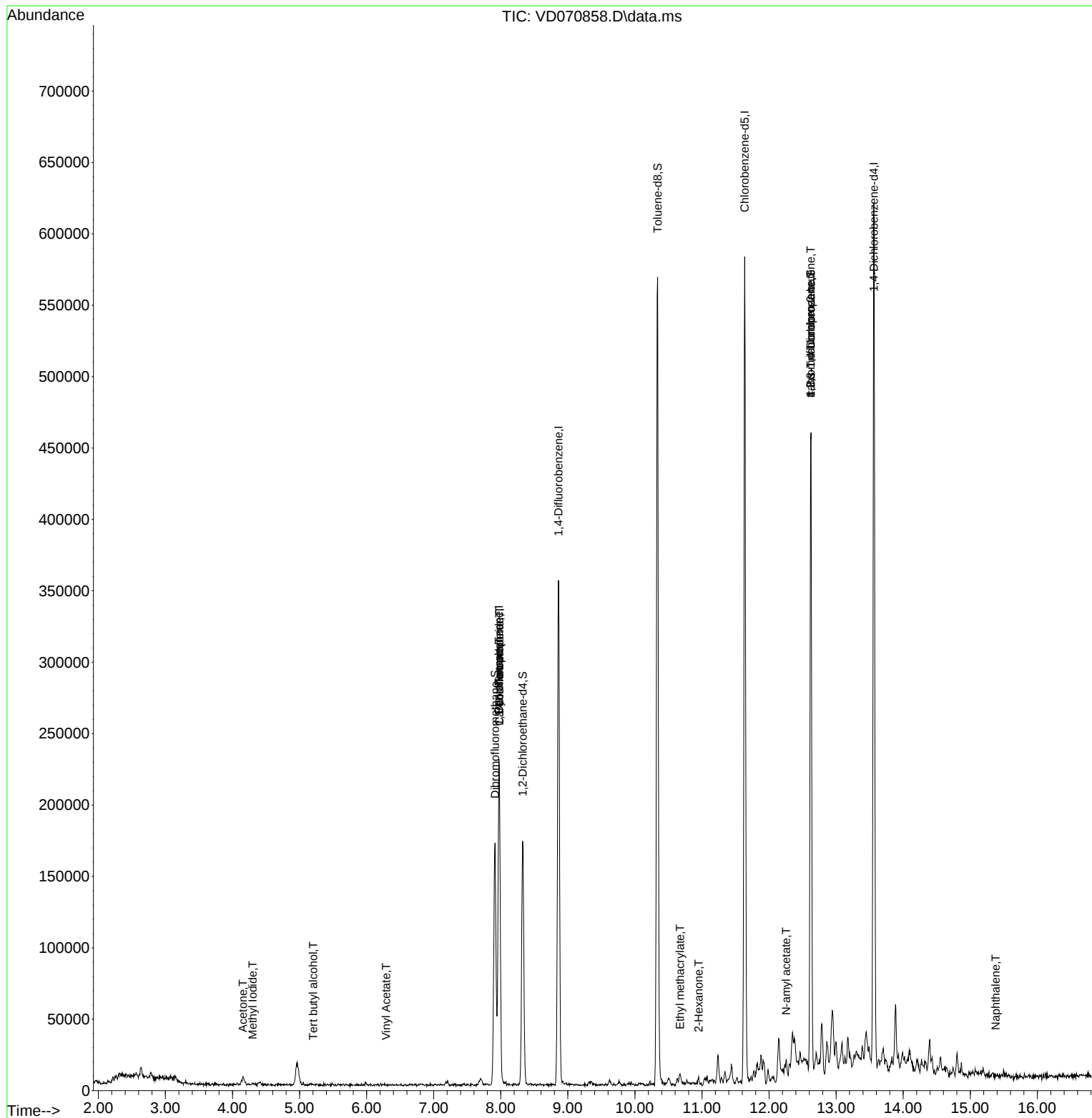
Internal Standards						
1) Pentafluorobenzene	7.973	168	171101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	308541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	342782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	171873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	134955	78.423	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 156.840%			
35) Dibromofluoromethane	7.914	113	123394	60.655	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.300%			
50) Toluene-d8	10.338	98	402833	52.633	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.260%			
62) 4-Bromofluorobenzene	12.620	95	158913	62.929	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.860%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	2237	Below Cal	#	68
10) Methyl Iodide	4.303	142	1014	4.064	ug/l #	94
11) Tert butyl alcohol	5.203	59	116	1.268	ug/l #	71
16) Acetone	4.156	43	9133	22.812	ug/l	89
20) Methylene Chloride	4.967	84	12100	Below Cal	#	89
23) Vinyl Acetate	6.291	43	79	14.441	ug/l #	72
31) Cyclohexane	7.973	56	3697	1.054	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	14145	4.382	ug/l #	47
38) Carbon Tetrachloride	7.979	117	17116	5.273	ug/l #	17
56) Ethyl methacrylate	10.673	69	887	3.236	ug/l #	1
59) 2-Hexanone	10.949	43	1666	1.995	ug/l #	22
74) N-amyl acetate	12.255	43	2905	1.152	ug/l #	50
76) 1,2,3-Trichloropropane	12.620	75	73344	43.349	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	73344	113.776	ug/l #	19
95) Naphthalene	15.379	128	1608	4.397	ug/l #	74

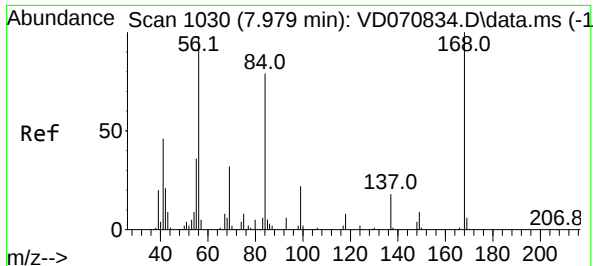
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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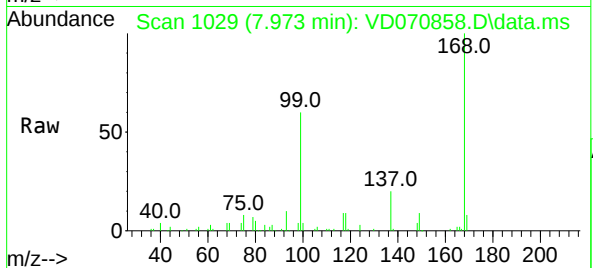
Quant Time: Oct 28 03:54:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration



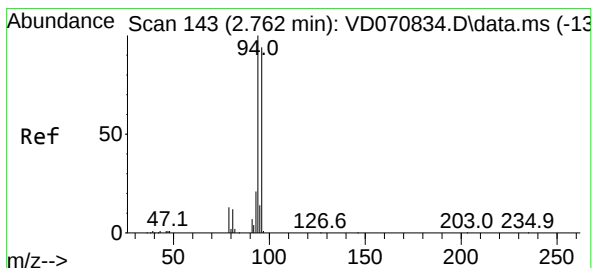
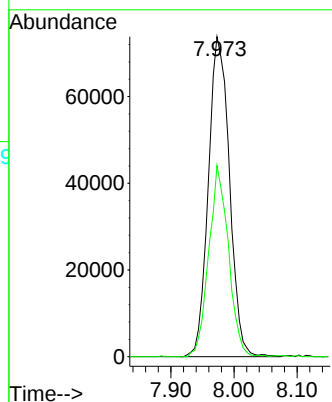
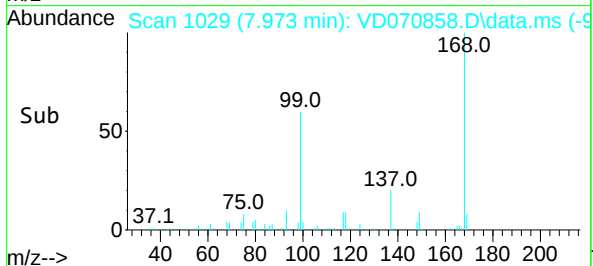


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

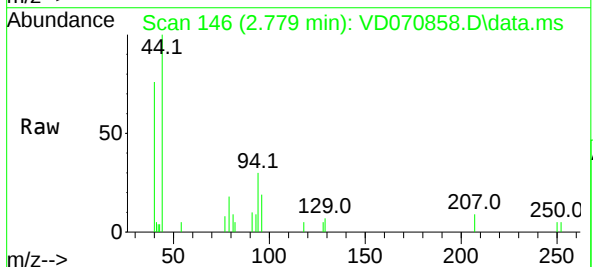
Instrument :
MSVOA_D
ClientSampled :



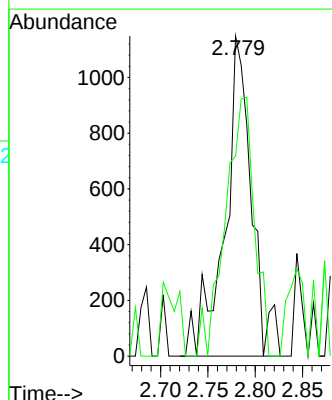
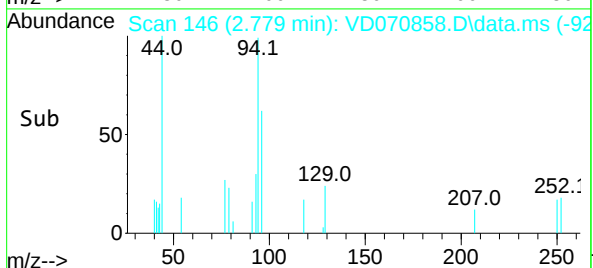
Tgt Ion:168 Resp: 171101
Ion Ratio Lower Upper
168 100
99 59.8 46.6 69.8

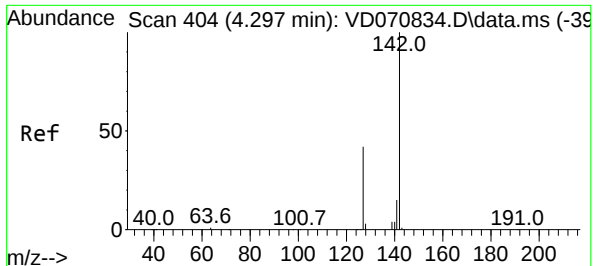


#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21



Tgt Ion: 94 Resp: 2237
Ion Ratio Lower Upper
94 100
96 62.5 74.8 112.2#





#10

Methyl Iodide

Concen: 4.064 ug/l

RT: 4.303 min Scan# 405

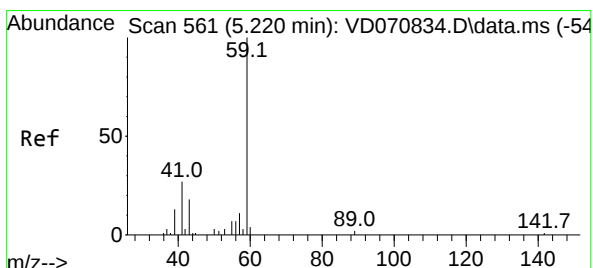
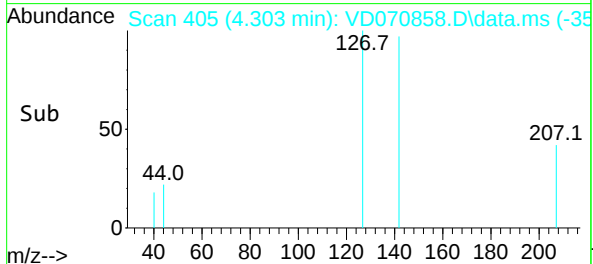
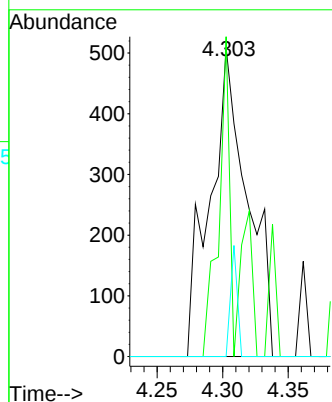
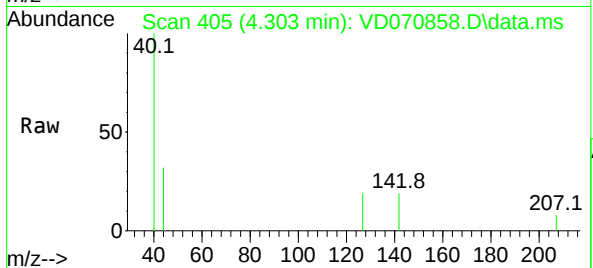
Delta R.T. 0.006 min

Lab File: VD070858.D

Acq: 27 Oct 2021 12:21

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:142	Resp:	1014
Ion Ratio	Lower	Upper
142	100	
127	44.3	35.0 52.4
141	6.4	12.0 18.0#



#11

Tert butyl alcohol

Concen: 1.268 ug/l

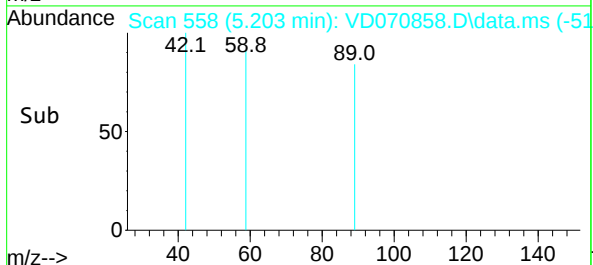
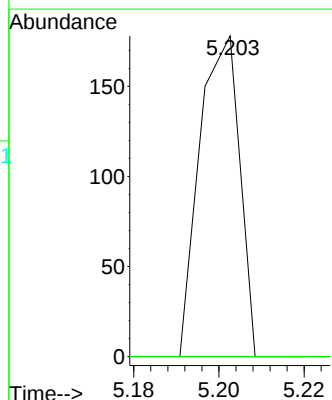
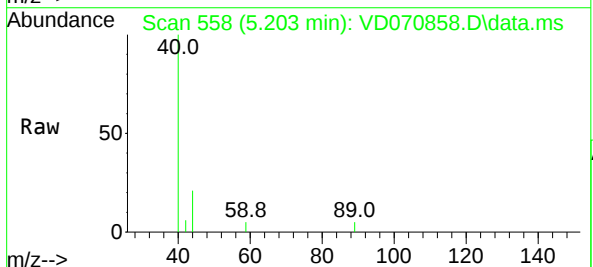
RT: 5.203 min Scan# 558

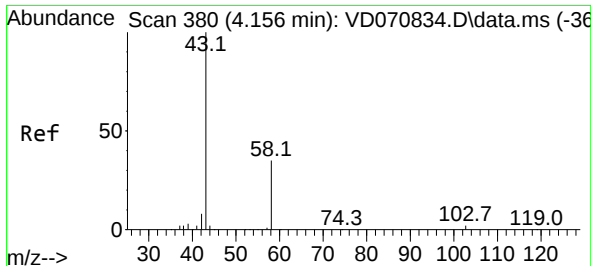
Delta R.T. -0.018 min

Lab File: VD070858.D

Acq: 27 Oct 2021 12:21

Tgt Ion: 59	Resp:	116
Ion Ratio	Lower	Upper
59	100	
57	0.0	9.0 13.4#

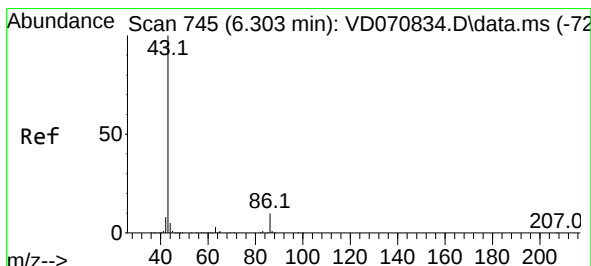
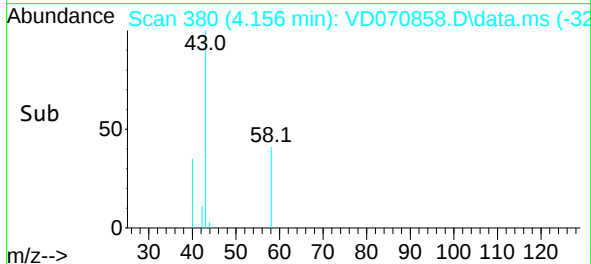
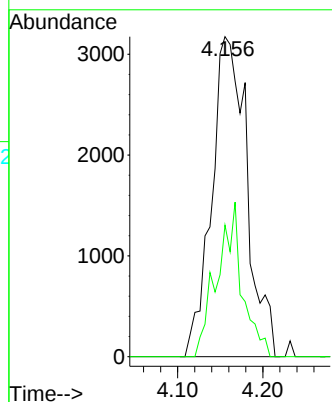
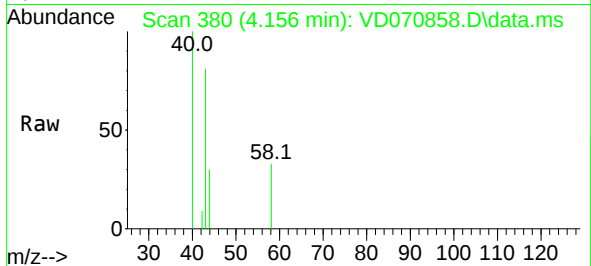




#16
Acetone
Concen: 22.812 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

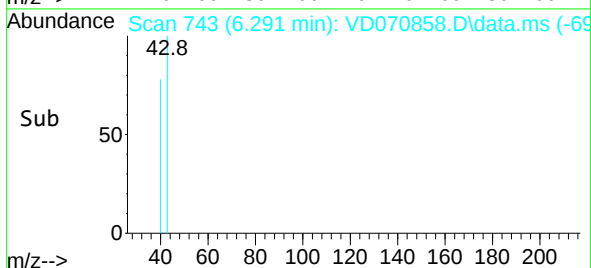
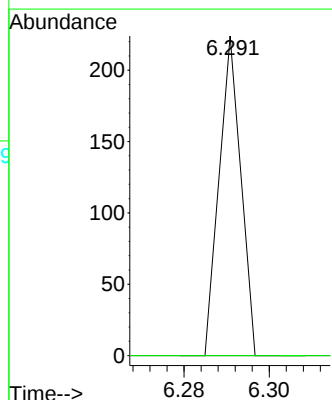
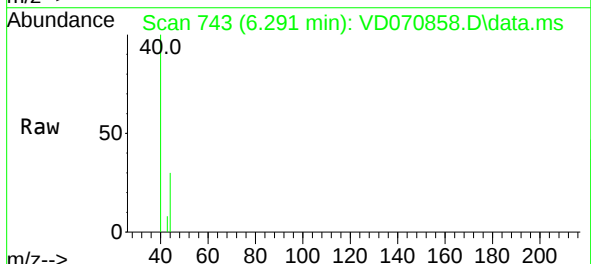
Instrument :
MSVOA_D
ClientSampled :

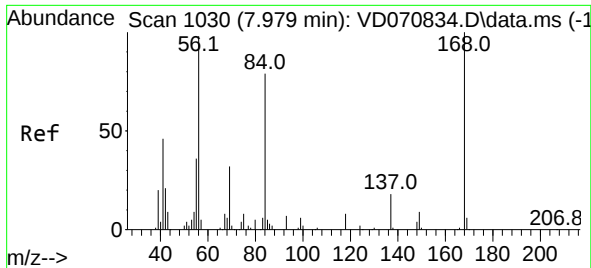
Tgt Ion: 43 Resp: 9133
Ion Ratio Lower Upper
43 100
58 41.1 27.8 41.8



#23
Vinyl Acetate
Concen: 14.441 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.012 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

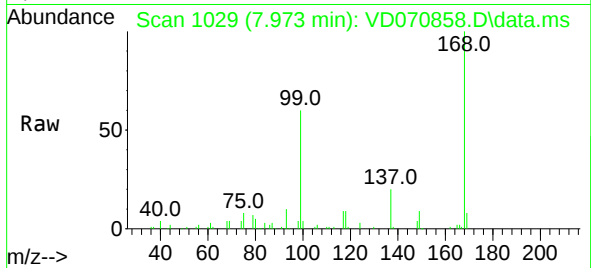
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



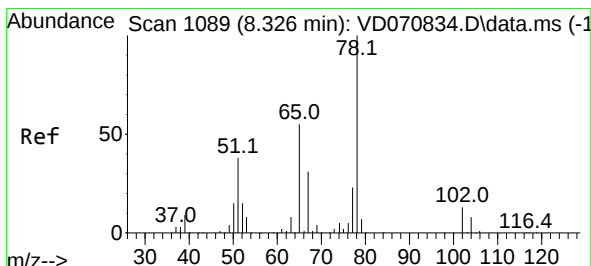
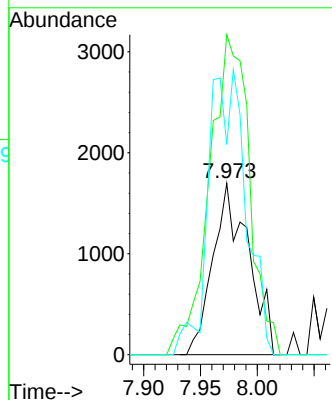
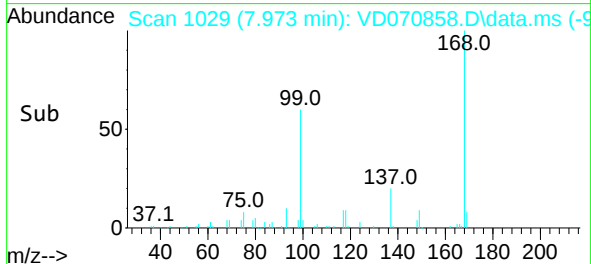


#31
Cyclohexane
Concen: 1.054 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

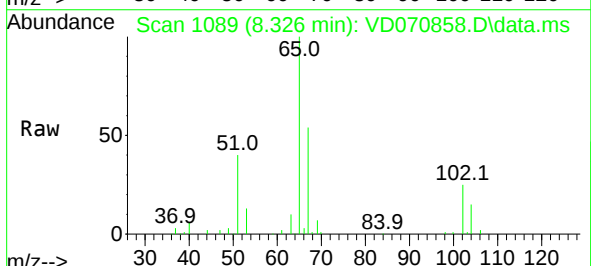
Instrument :
MSVOA_D
ClientSampleId :



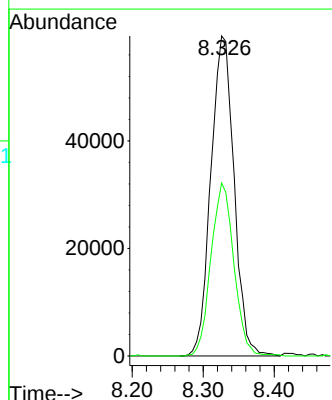
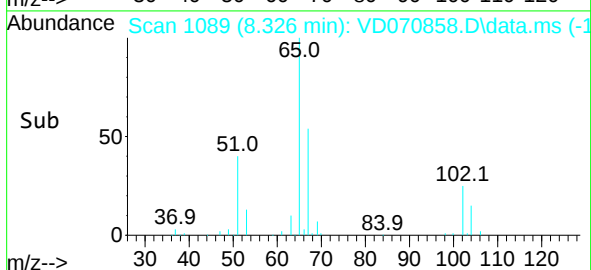
Tgt Ion: 56 Resp: 3697
Ion Ratio Lower Upper
56 100
69 186.7 25.9 38.9#
84 122.7 64.3 96.5#

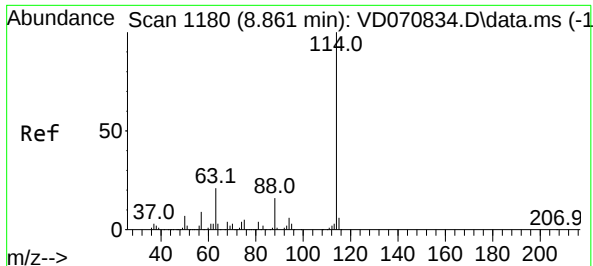


#33
1,2-Dichloroethane-d4
Concen: 78.423 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21



Tgt Ion: 65 Resp: 134955
Ion Ratio Lower Upper
65 100
67 53.5 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070858.D

Acq: 27 Oct 2021 12:21

Instrument :

MSVOA_D

ClientSampleId :

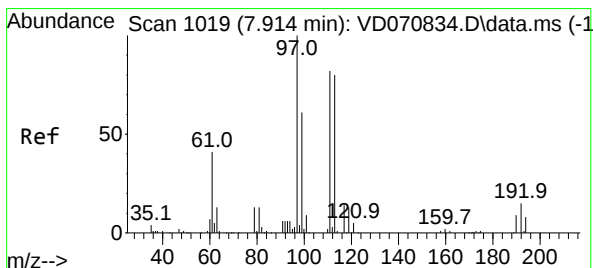
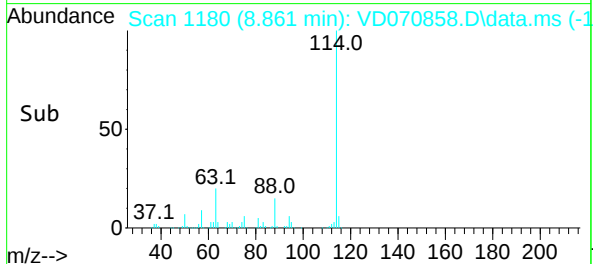
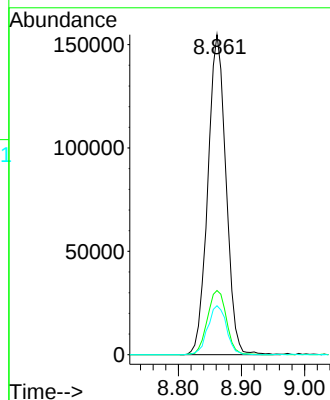
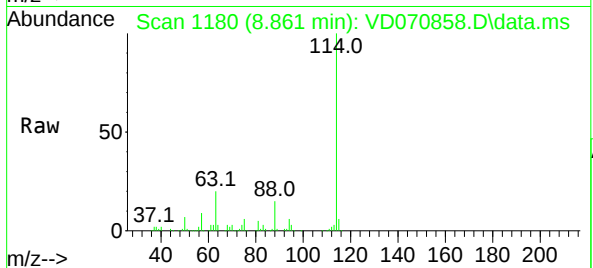
Tgt Ion:114 Resp: 308541

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.8

88 15.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 60.655 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070858.D

Acq: 27 Oct 2021 12:21

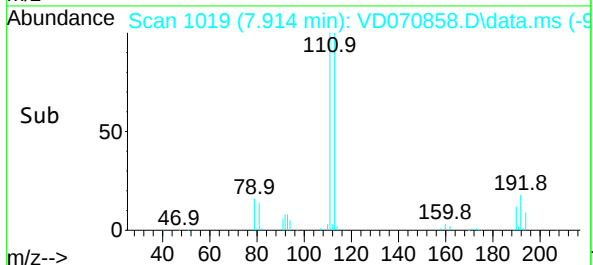
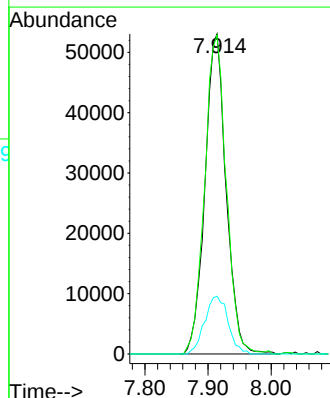
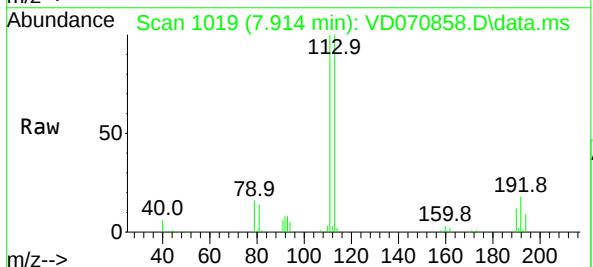
Tgt Ion:113 Resp: 123394

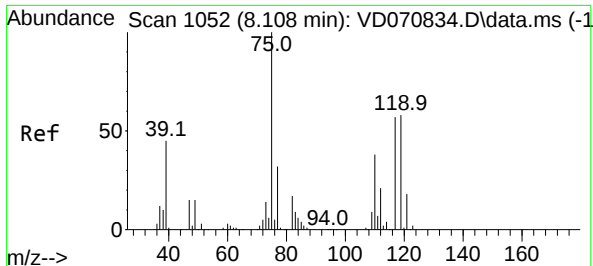
Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

192 20.0 15.2 22.8

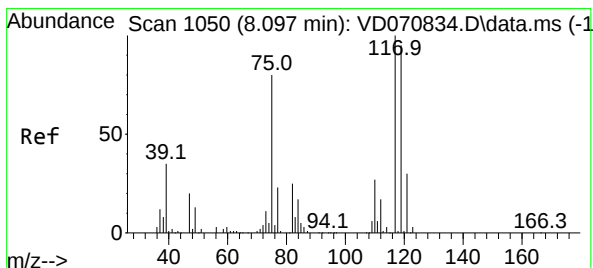
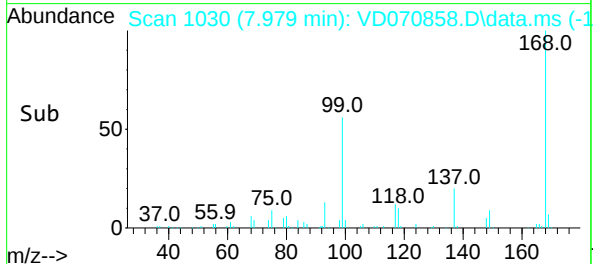
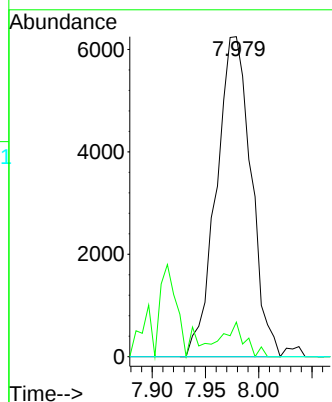
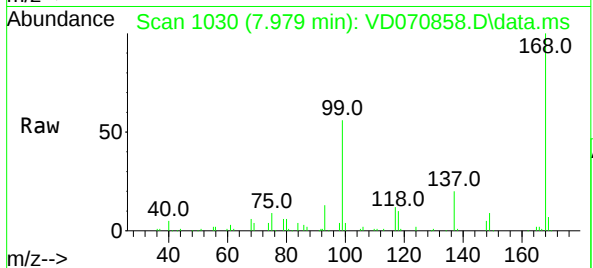




#36
1,1-Dichloropropene
Concen: 4.382 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

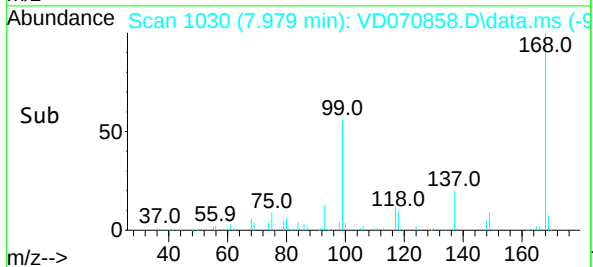
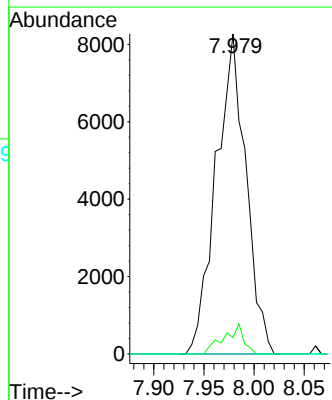
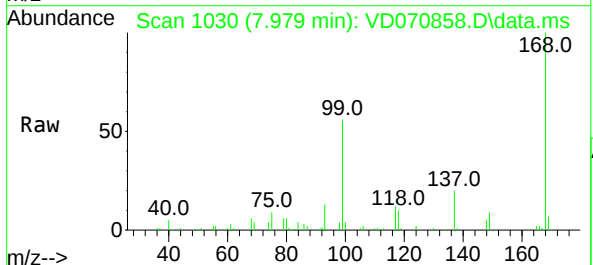
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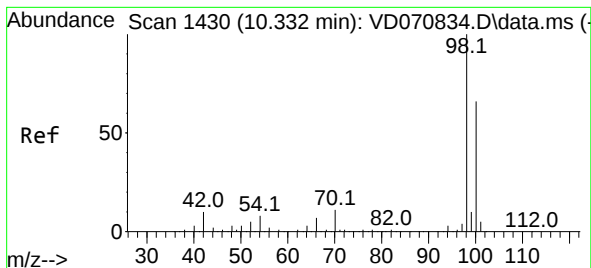
Tgt Ion: 75 Resp: 14145
Ion Ratio Lower Upper
75 100
110 6.6 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

Tgt Ion: 117 Resp: 17116
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 23.6 35.4#





#50

Toluene-d8

Concen: 52.633 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD070858.D

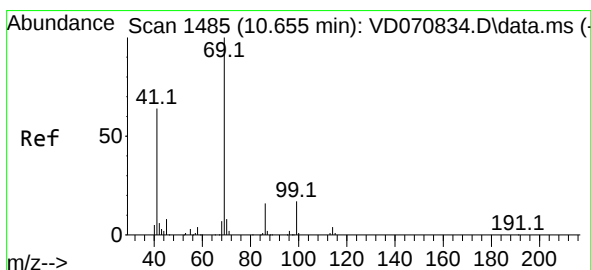
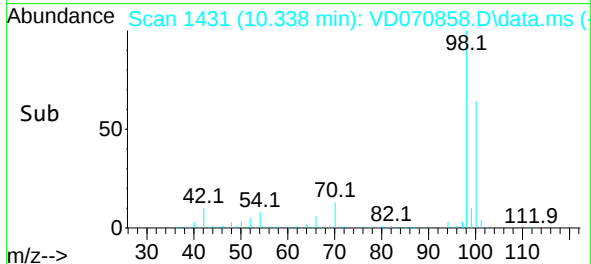
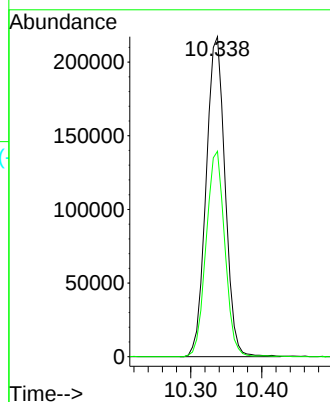
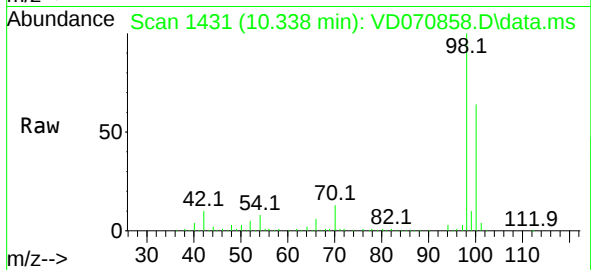
Acq: 27 Oct 2021 12:21

Tgt Ion: 98 Resp: 402833

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.6



#56

Ethyl methacrylate

Concen: 3.236 ug/l

RT: 10.673 min Scan# 1488

Delta R.T. 0.018 min

Lab File: VD070858.D

Acq: 27 Oct 2021 12:21

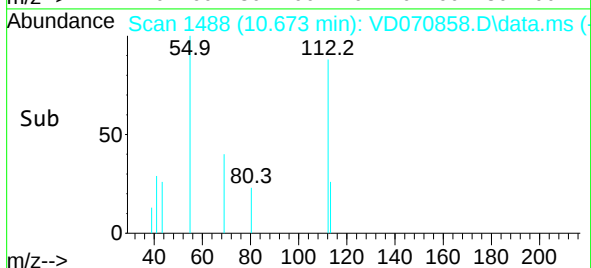
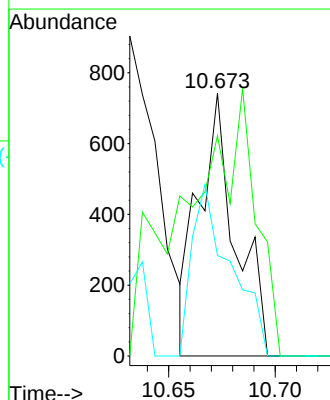
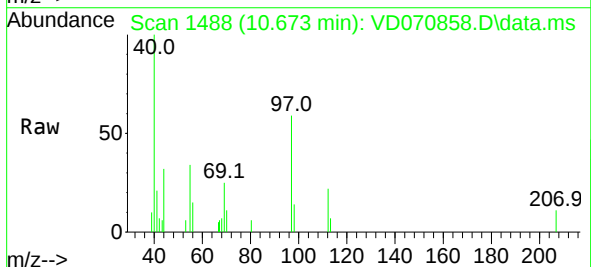
Tgt Ion: 69 Resp: 887

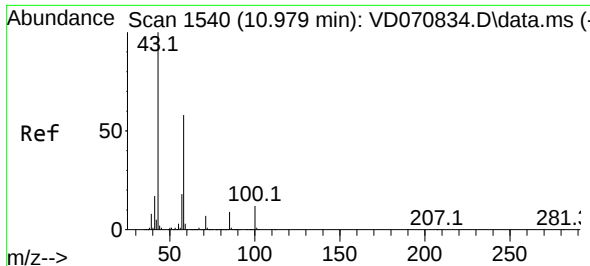
Ion Ratio Lower Upper

69 100

41 194.4 50.2 75.2#

39 69.2 19.8 29.8#

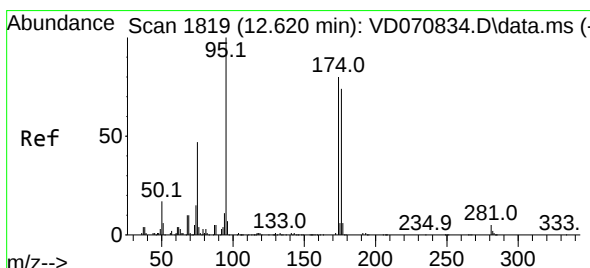
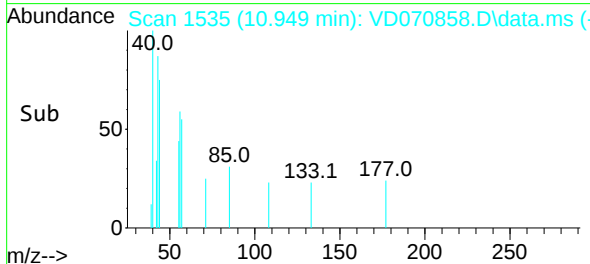
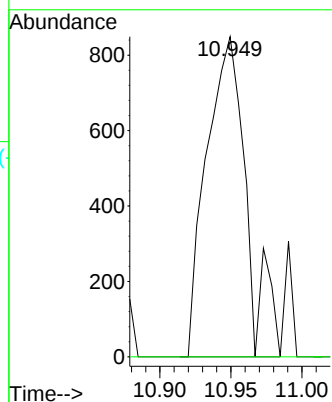
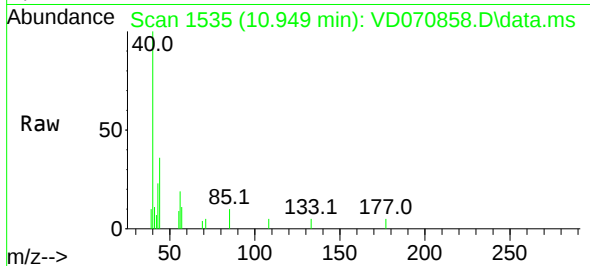




#59
2-Hexanone
Concen: 1.995 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

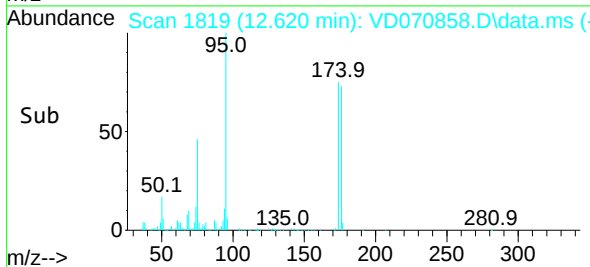
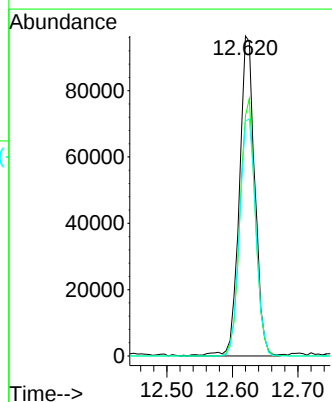
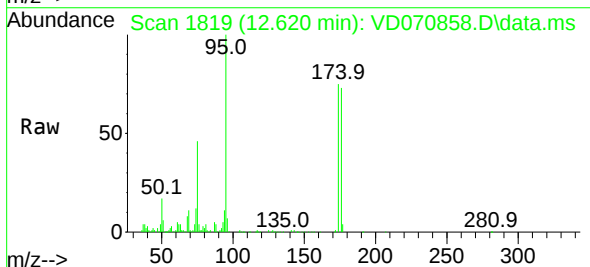
Instrument :
MSVOA_D
ClientSampleId :

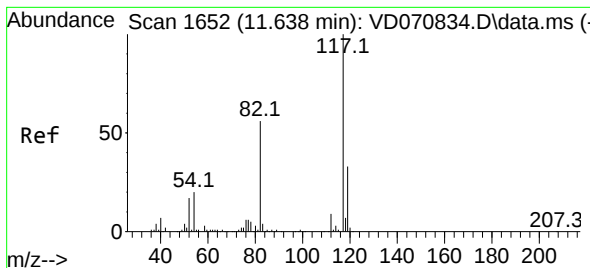
Tgt Ion: 43 Resp: 1666
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 62.929 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

Tgt Ion: 95 Resp: 158913
Ion Ratio Lower Upper
95 100
174 79.2 0.0 159.4
176 77.2 0.0 154.0

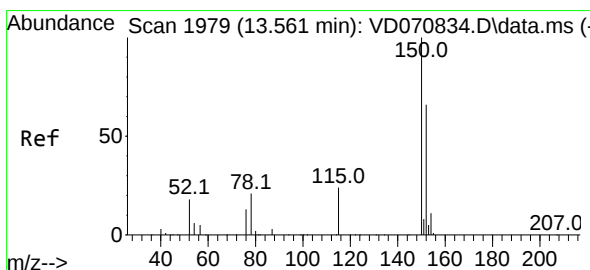
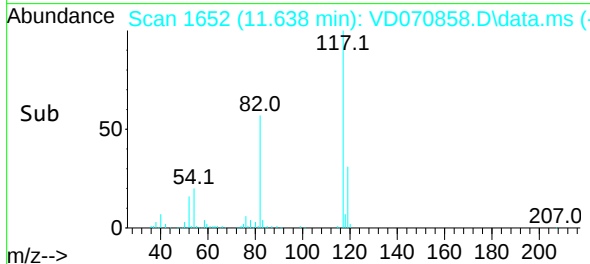
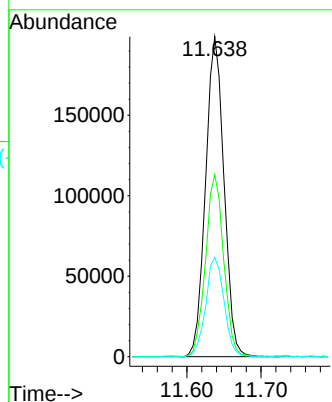
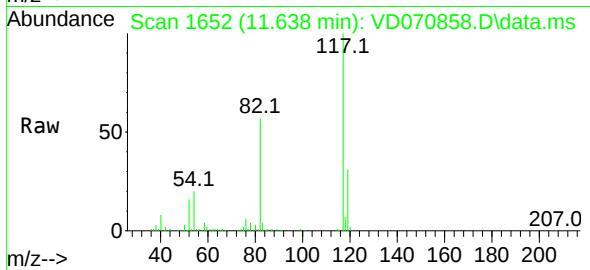




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

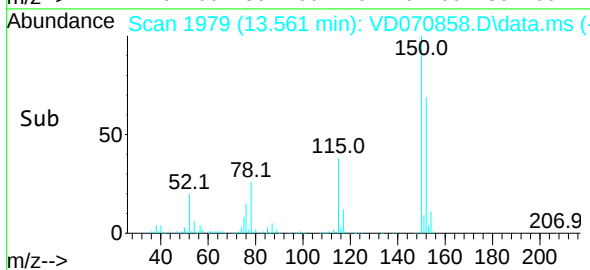
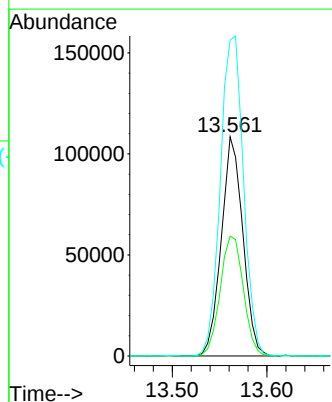
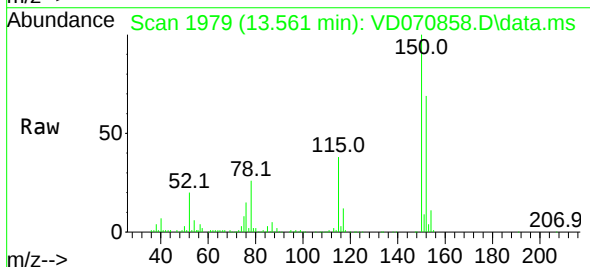
Instrument :
MSVOA_D
ClientSampleId :

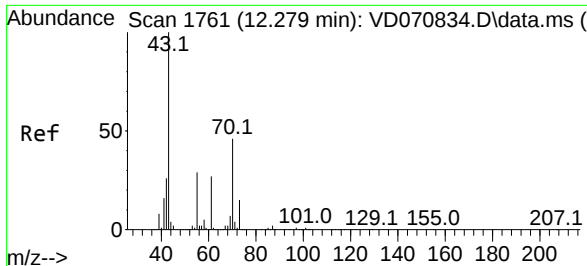
Tgt Ion:117 Resp: 342782
Ion Ratio Lower Upper
117 100
82 56.7 44.7 67.1
119 31.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

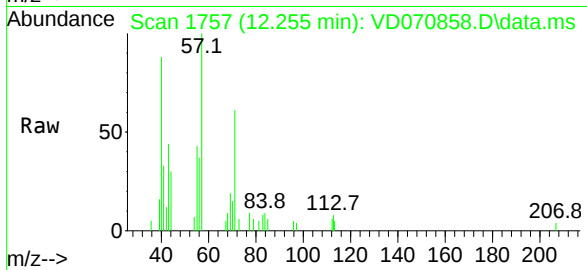
Tgt Ion:152 Resp: 171873
Ion Ratio Lower Upper
152 100
115 58.7 29.8 89.3
150 156.4 0.0 349.2



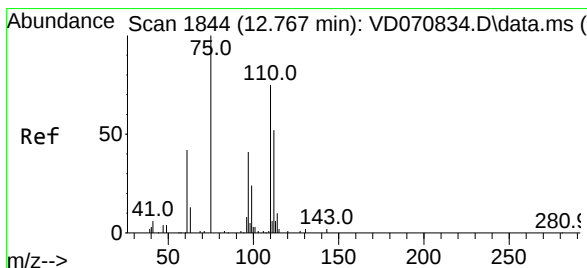
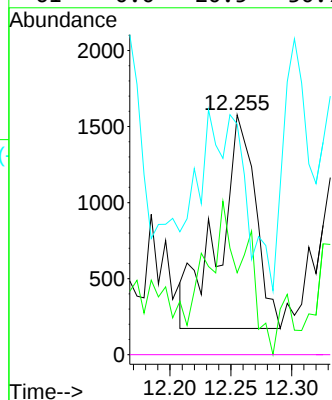
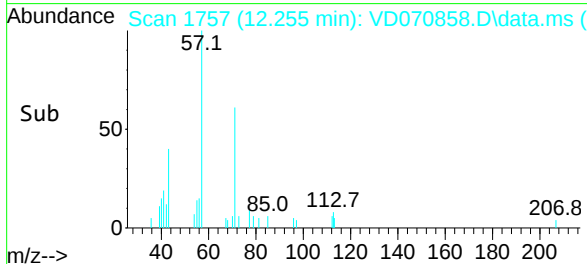


#74
N-amy1 acetate
Concen: 1.152 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

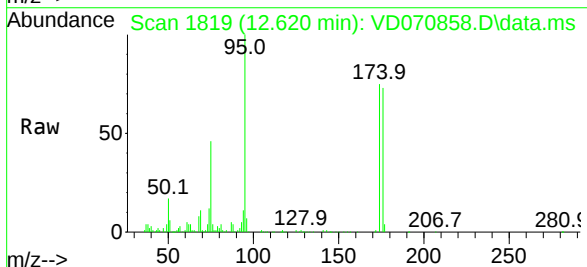
Instrument :
MSVOA_D
ClientSampled :



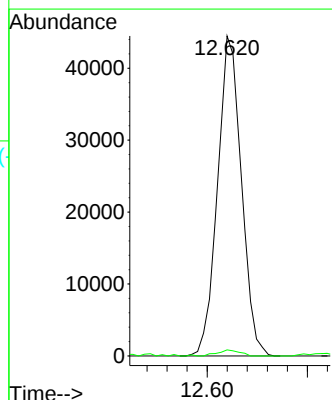
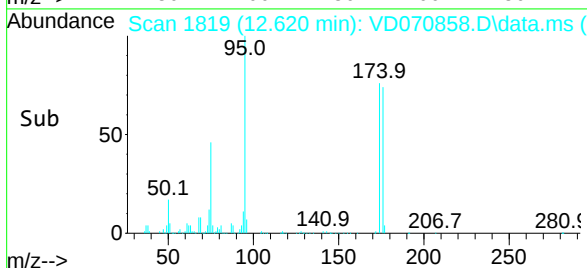
Tgt Ion: 43 Resp: 2905
Ion Ratio Lower Upper
43 100
70 76.5 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

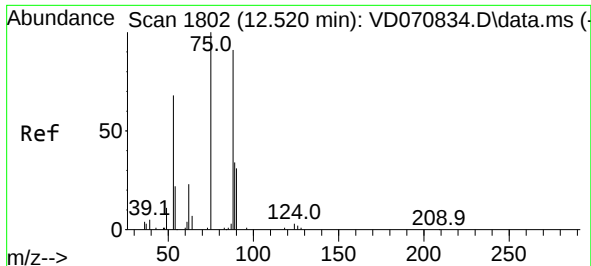


#76
1,2,3-Trichloropropane
Concen: 43.349 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21



Tgt Ion: 75 Resp: 73344
Ion Ratio Lower Upper
75 100
77 1.7 158.4 475.3#

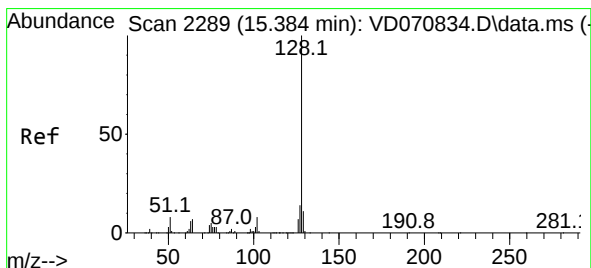
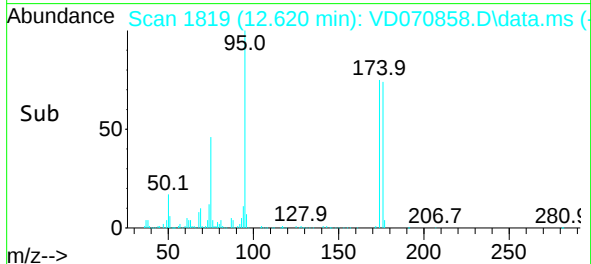
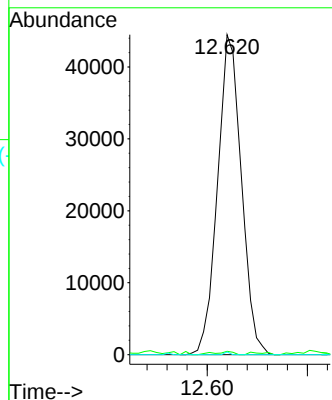
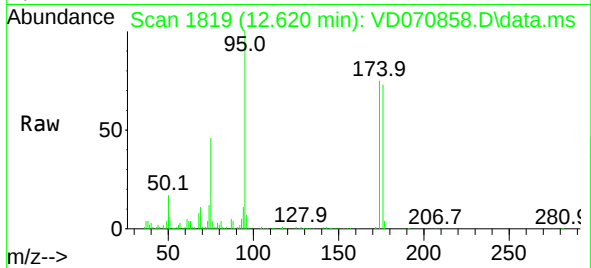




#81
trans-1,4-Dichloro-2-butene
Concen: 113.776 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 73344
Ion Ratio Lower Upper
75 100
53 0.8 62.6 94.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.397 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070858.D
Acq: 27 Oct 2021 12:21

Tgt Ion:128 Resp: 1608
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 4.1 8.7 13.1#

