

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072698.D
 Acq On : 22 Apr 2022 17:08
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Apr 22 23:47:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

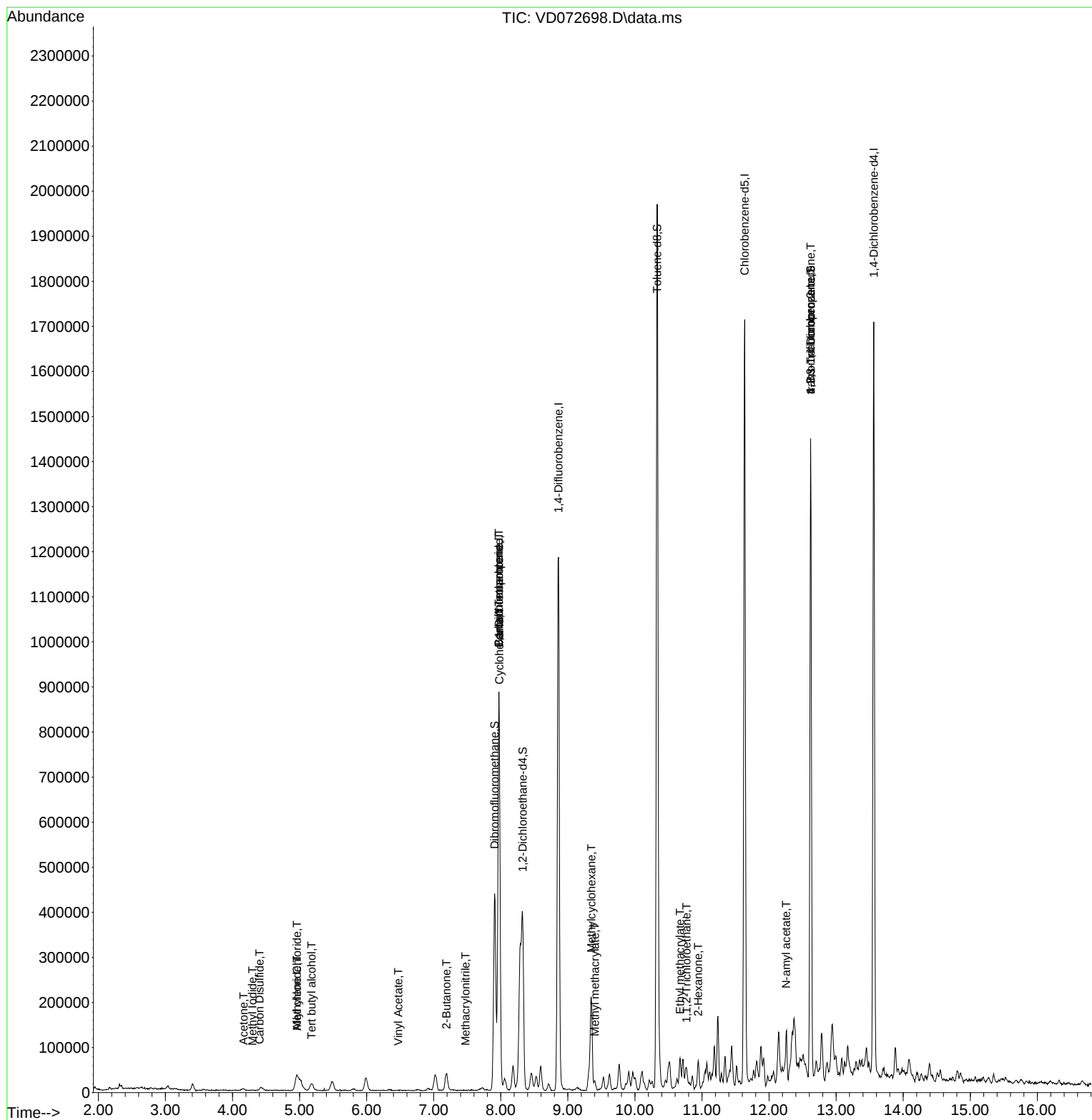
Internal Standards						
1) Pentafluorobenzene	7.973	168	597675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1049290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	972855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	446828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	296787	41.049	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.100%		
35) Dibromofluoromethane	7.908	113	315312	38.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	77.340%		
50) Toluene-d8	10.332	98	1264108	44.597	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.200%		
62) 4-Bromofluorobenzene	12.620	95	453538	40.970	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.940%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.297	142	600	3.818	ug/l #	57
11) Tert butyl alcohol	5.179	59	14740	38.605	ug/l #	74
14) Allyl chloride	4.962	41	3101	1.448	ug/l #	22
16) Acetone	4.167	43	6857	5.086	ug/l #	81
17) Carbon Disulfide	4.403	76	4173	3.959	ug/l #	74
20) Methylene Chloride	4.962	84	25170	3.136	ug/l #	76
23) Vinyl Acetate	6.473	43	124	6.299	ug/l #	75
25) 2-Butanone	7.191	43	2934	1.574	ug/l #	52
31) Cyclohexane	7.979	56	38776	4.102	ug/l #	63
36) 1,1-Dichloropropene	7.973	75	49455	5.763	ug/l #	52
38) Carbon Tetrachloride	7.973	117	64779	5.766	ug/l #	17
39) Methylcyclohexane	9.350	83	86251	9.575	ug/l	94
41) Methacrylonitrile	7.473	41	58	1.680	ug/l #	27
48) Methyl methacrylate	9.402	41	4164	1.035	ug/l #	19
55) 1,1,2-Trichloroethane	10.767	97	14480	2.298	ug/l #	22
56) Ethyl methacrylate	10.673	69	7102	2.086	ug/l #	52
59) 2-Hexanone	10.944	43	23302	7.705	ug/l #	31
74) N-amyl acetate	12.255	43	22924	3.028	ug/l #	69
76) 1,2,3-Trichloropropane	12.620	75	234591	48.137	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	234591	118.120	ug/l #	7

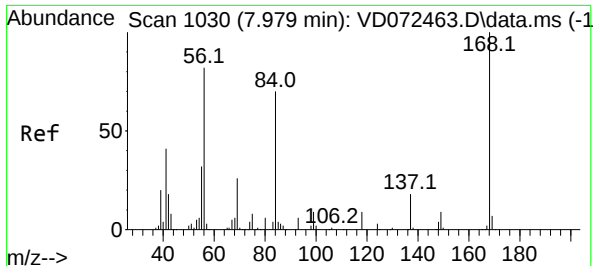
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 30 02:44:36 2022
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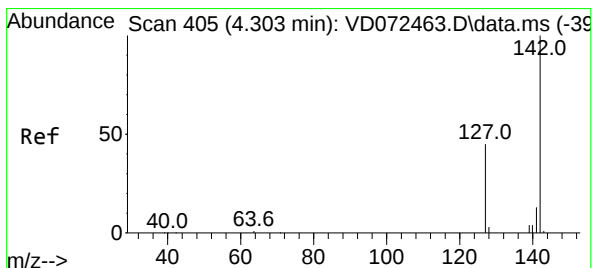
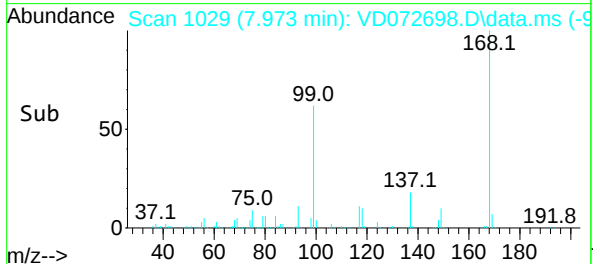
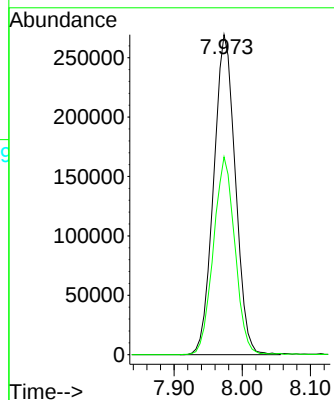
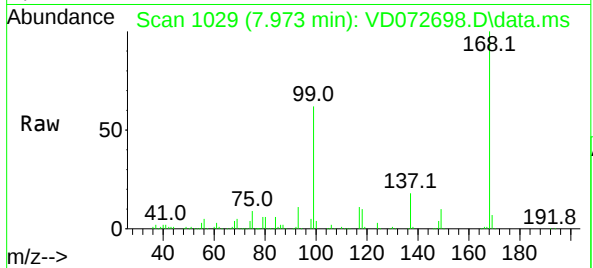




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

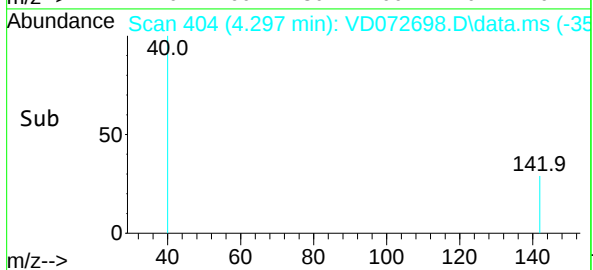
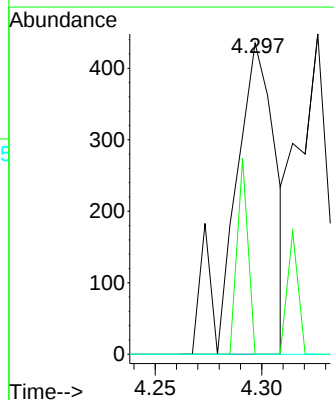
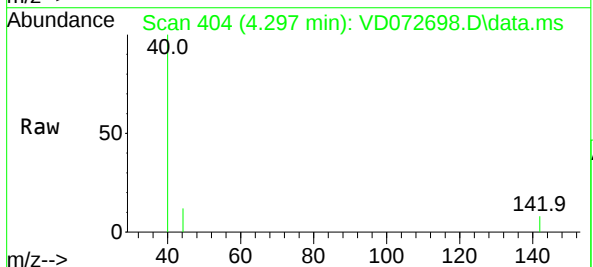
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

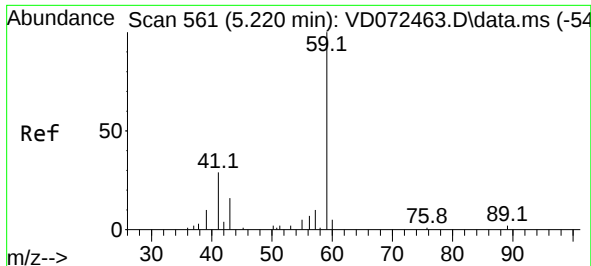
Tgt Ion:168 Resp: 597675
Ion Ratio Lower Upper
168 100
99 61.8 49.8 74.6



#10
Methyl Iodide
Concen: 3.818 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion:142 Resp: 600
Ion Ratio Lower Upper
142 100
127 16.2 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 38.605 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.041 min

Lab File: VD072698.D

Acq: 22 Apr 2022 17:08

Instrument :

MSVOA_D

ClientSampleId :

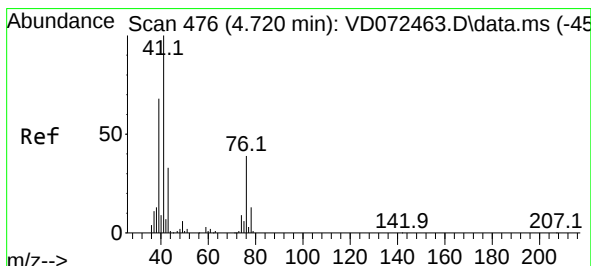
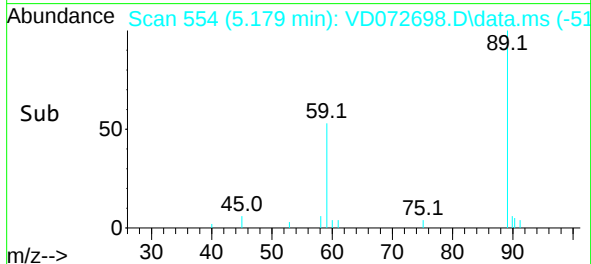
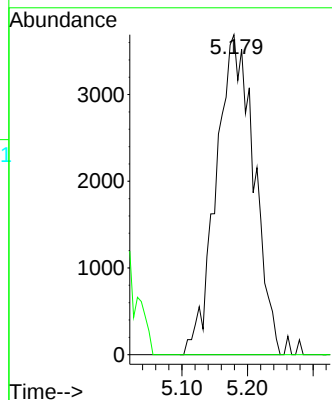
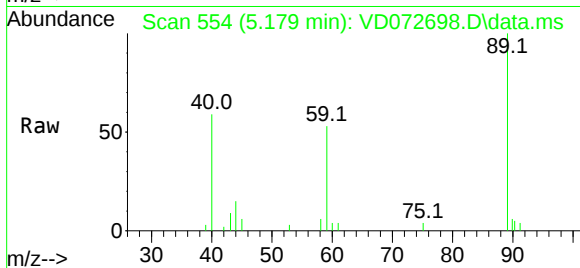
VIBLK

Tgt Ion: 59 Resp: 14740

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#14

Allyl chloride

Concen: 1.448 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.242 min

Lab File: VD072698.D

Acq: 22 Apr 2022 17:08

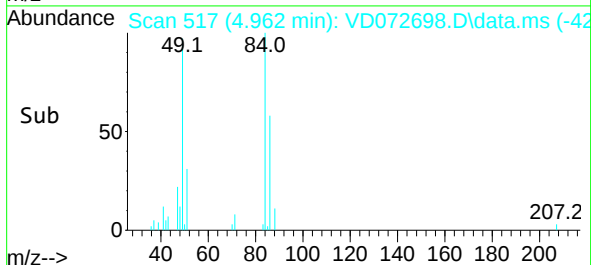
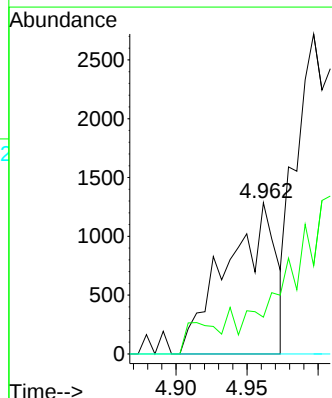
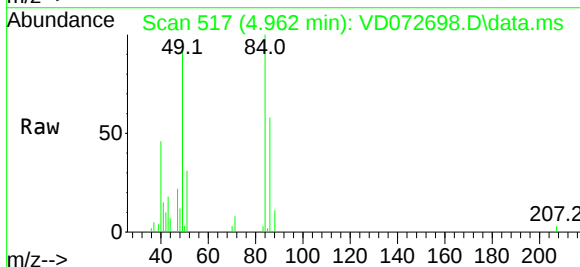
Tgt Ion: 41 Resp: 3101

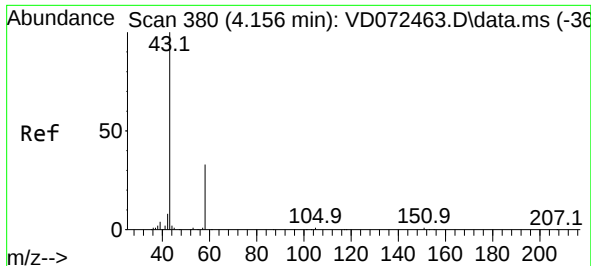
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

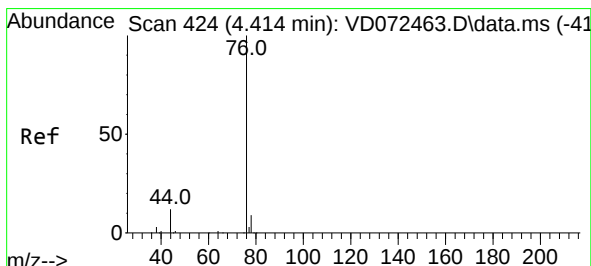
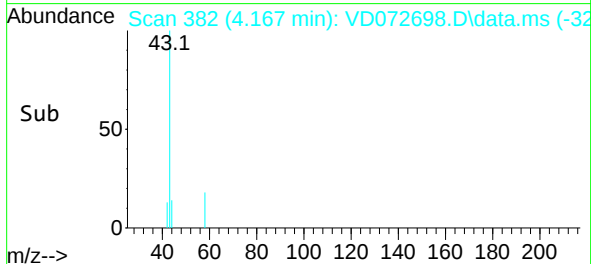
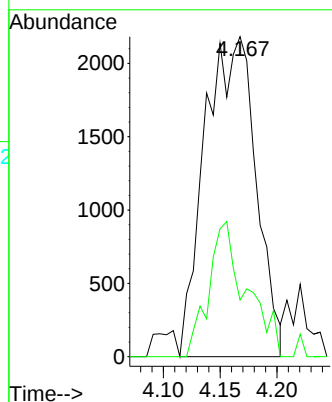
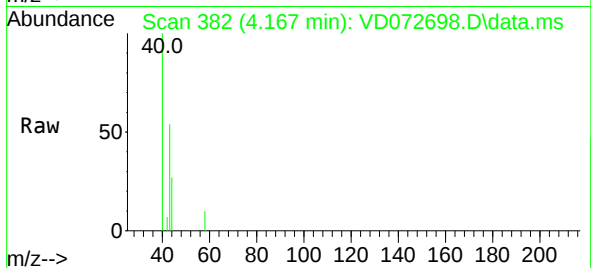




#16
Acetone
Concen: 5.086 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

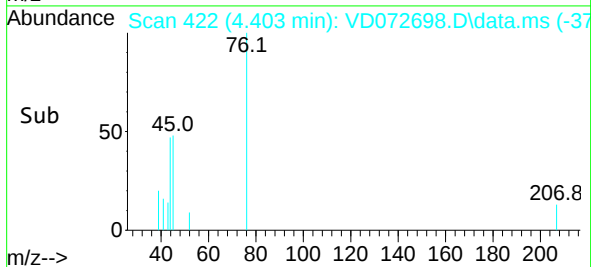
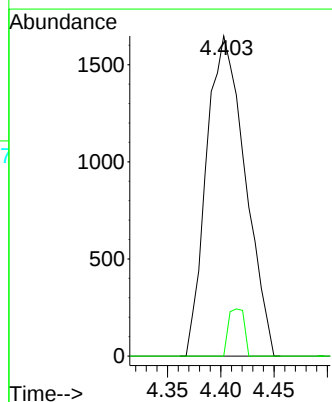
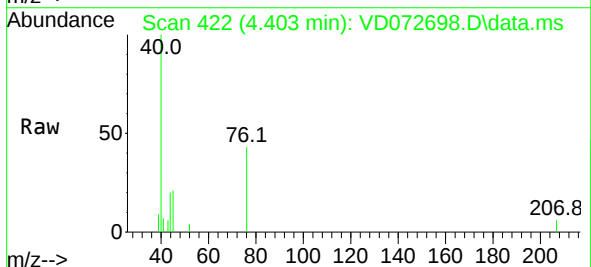
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

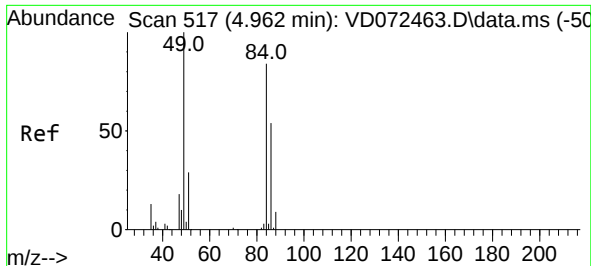
Tgt Ion: 43 Resp: 6857
Ion Ratio Lower Upper
43 100
58 17.7 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.959 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.011 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion: 76 Resp: 4173
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

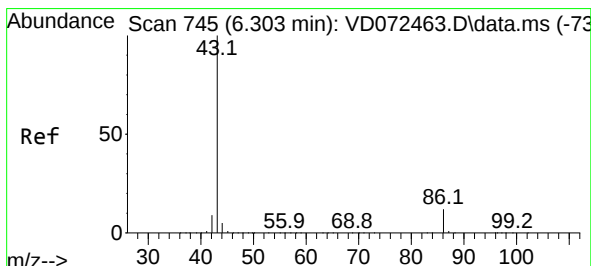
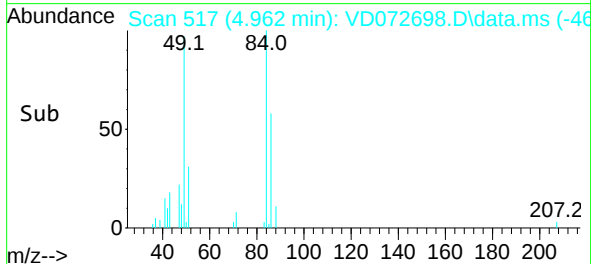
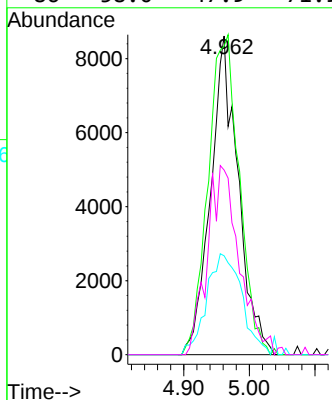
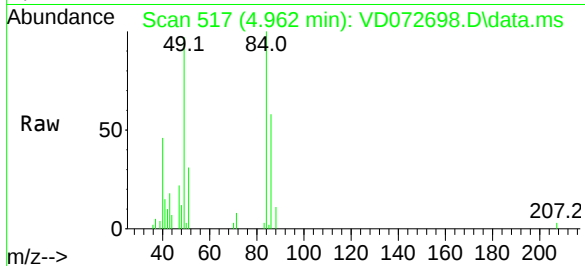




#20
Methylene Chloride
Concen: 3.136 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

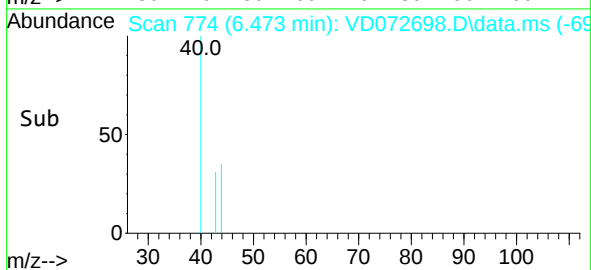
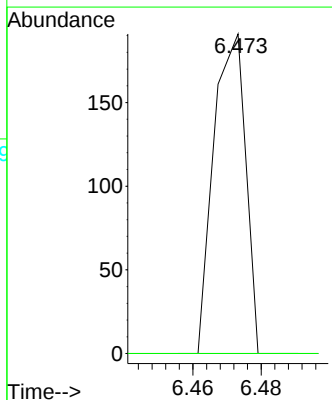
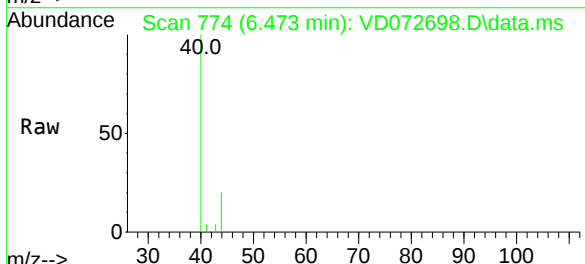
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

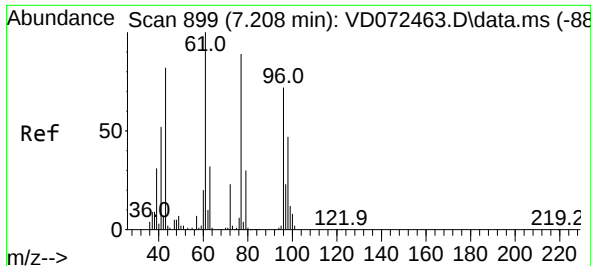
Tgt Ion: 84 Resp: 25170
Ion Ratio Lower Upper
84 100
49 96.8 112.8 169.2#
51 31.0 32.6 48.8#
86 58.0 47.9 71.9



#23
Vinyl Acetate
Concen: 6.299 ug/l
RT: 6.473 min Scan# 774
Delta R.T. 0.170 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#

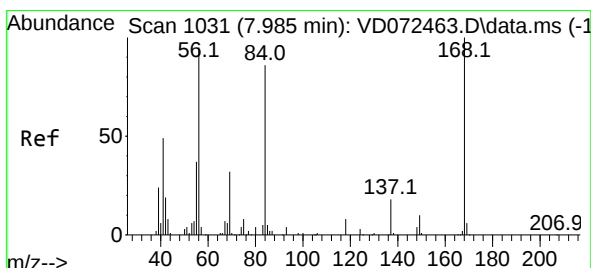
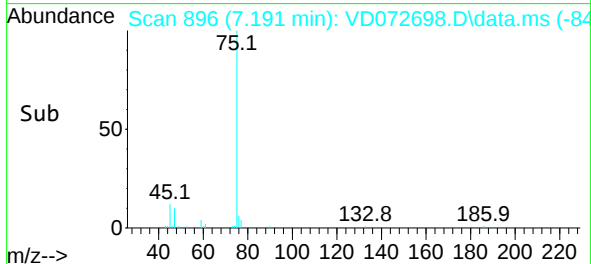
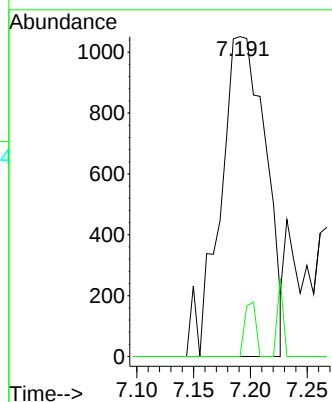
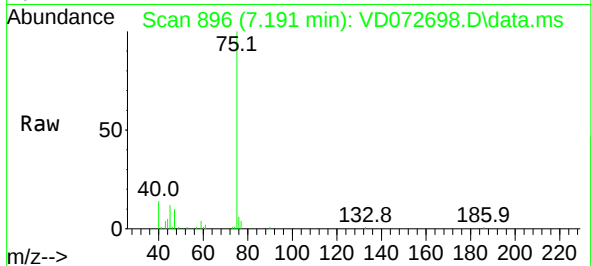




#25
2-Butanone
Concen: 1.574 ug/l
RT: 7.191 min Scan# 899
Delta R.T. -0.018 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

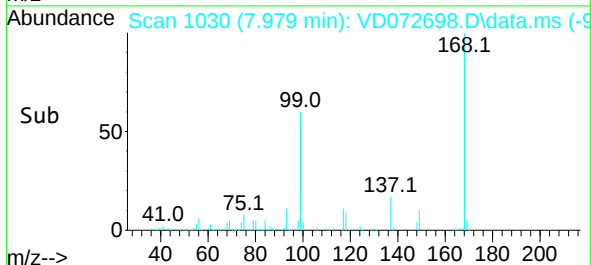
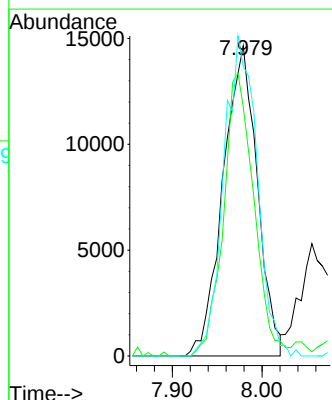
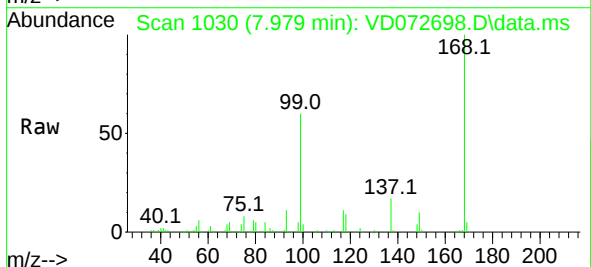
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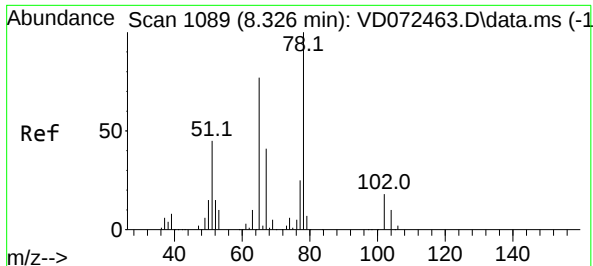
Tgt Ion: 43 Resp: 2934
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 4.102 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion: 56 Resp: 38776
Ion Ratio Lower Upper
56 100
69 80.2 25.4 38.2#
84 93.3 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 41.049 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072698.D

Acq: 22 Apr 2022 17:08

Instrument :

MSVOA_D

ClientSampleId :

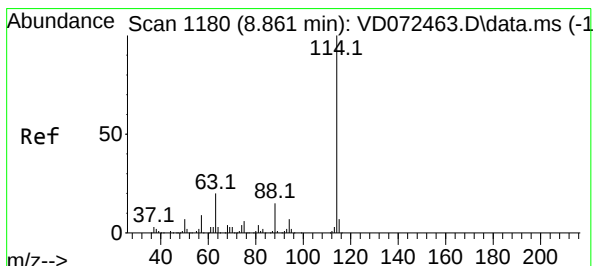
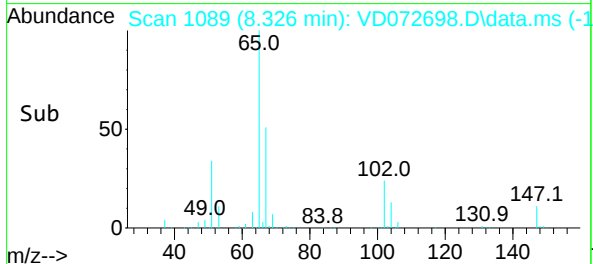
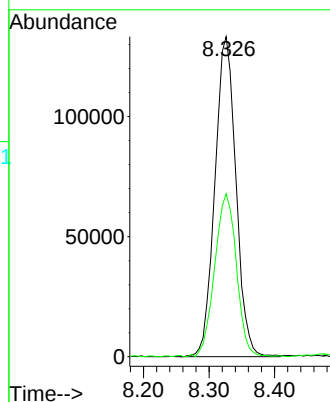
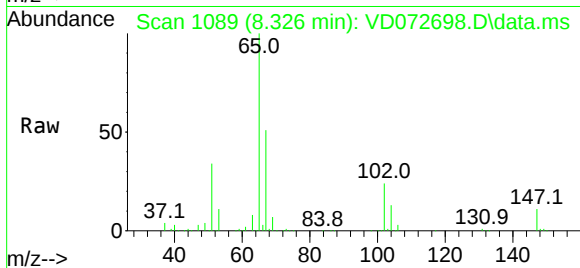
VIBLK

Tgt Ion: 65 Resp: 296787

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072698.D

Acq: 22 Apr 2022 17:08

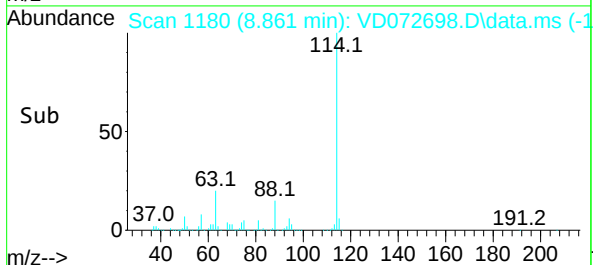
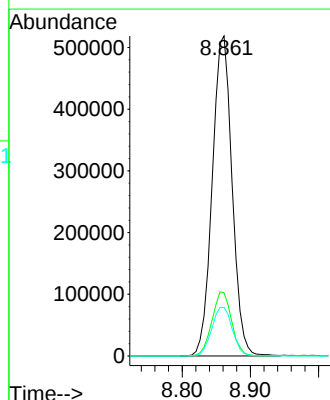
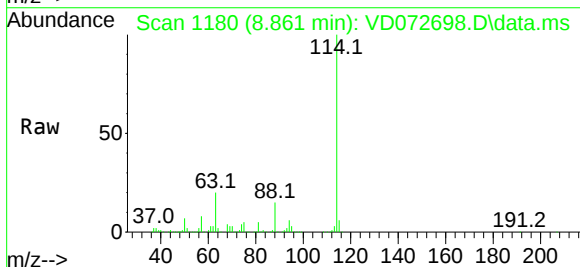
Tgt Ion: 114 Resp: 1049290

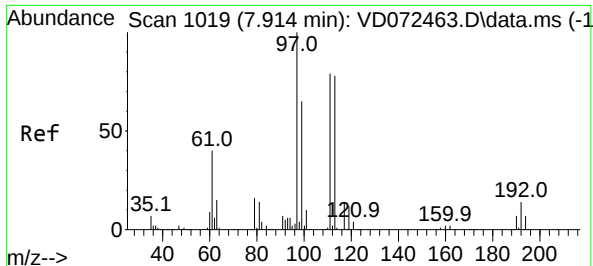
Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 38.667 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072698.D

Acq: 22 Apr 2022 17:08

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VIBLK

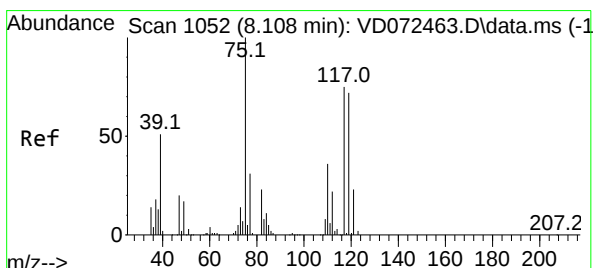
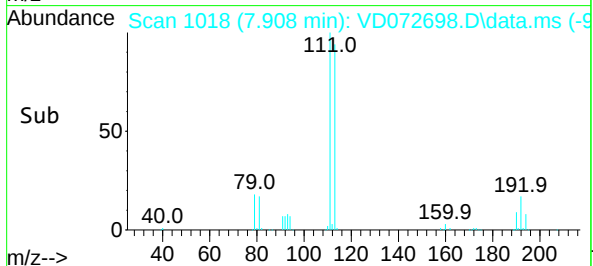
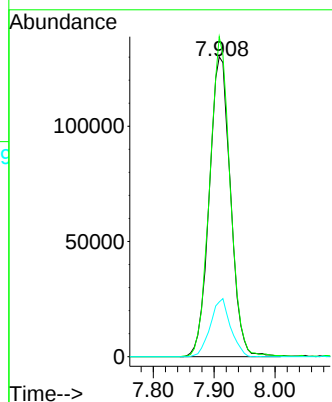
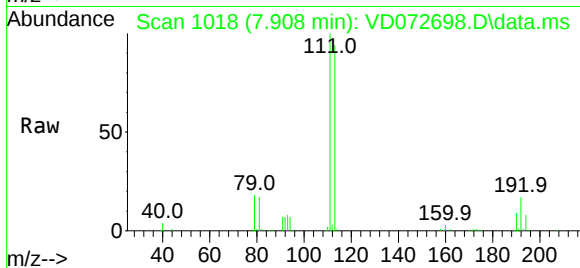
Tgt Ion:113 Resp: 315312

Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.763 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072698.D

Acq: 22 Apr 2022 17:08

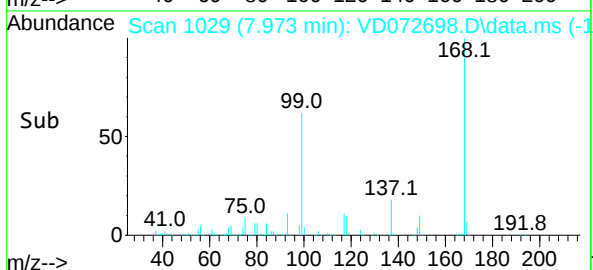
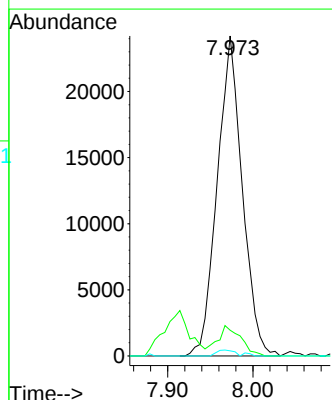
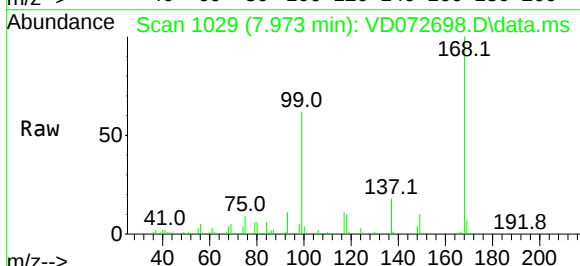
Tgt Ion: 75 Resp: 49455

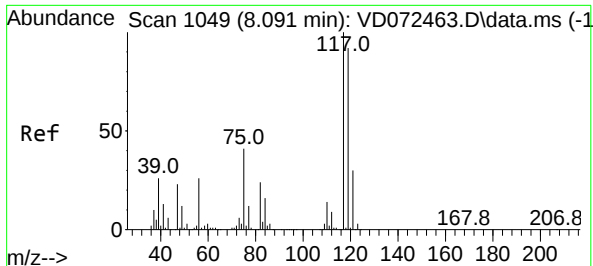
Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.1#

77 1.3 24.2 36.2#

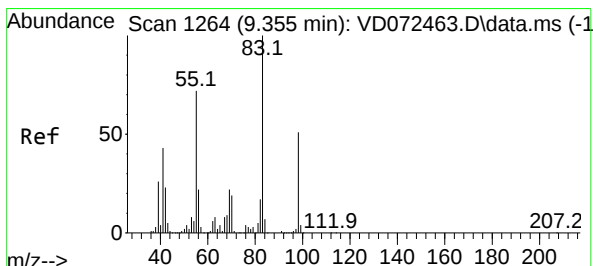
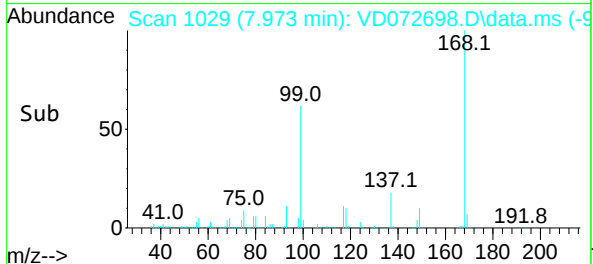
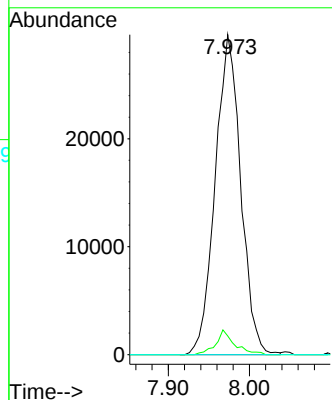
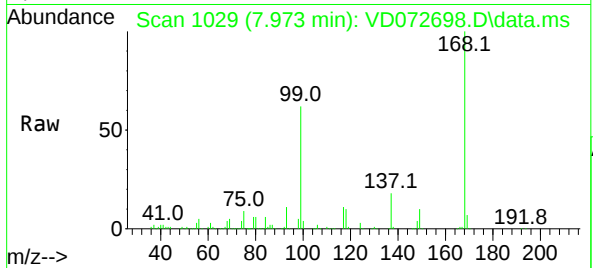




#38
Carbon Tetrachloride
Concen: 5.766 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

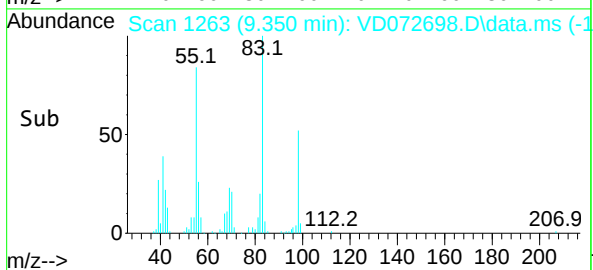
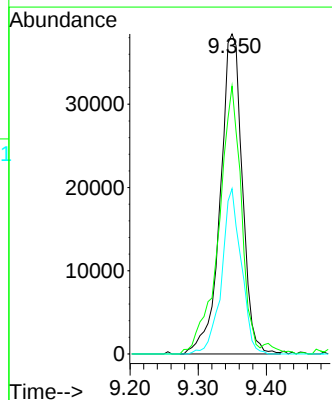
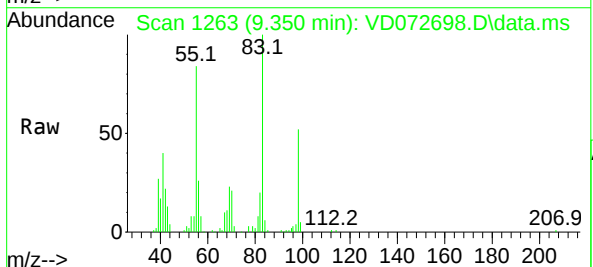
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

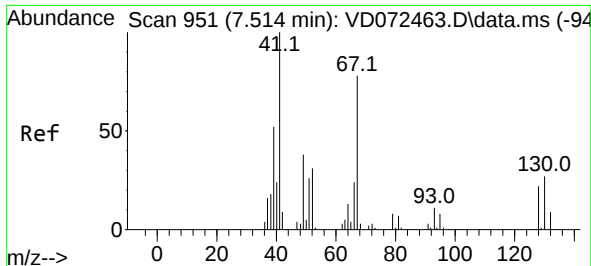
Tgt Ion:117 Resp: 64779
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 9.575 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion: 83 Resp: 86251
Ion Ratio Lower Upper
83 100
55 83.7 63.2 94.8
98 51.7 38.2 57.4

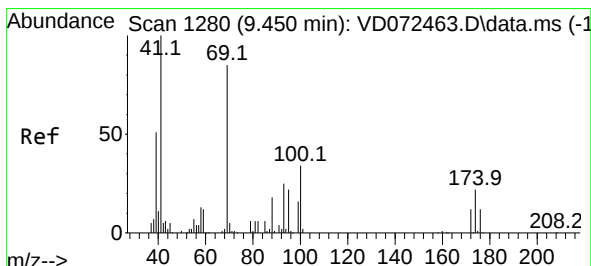
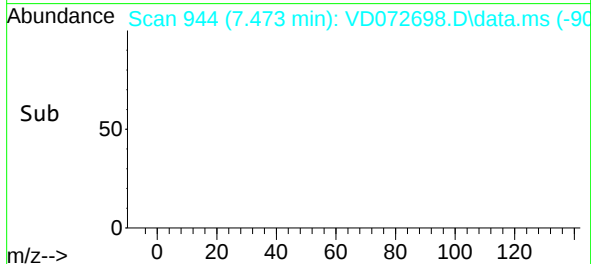
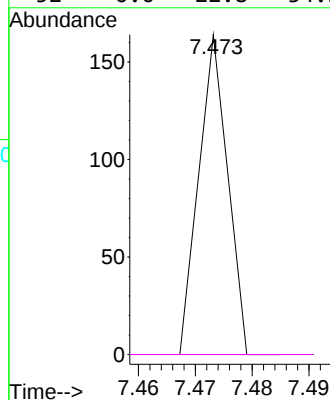
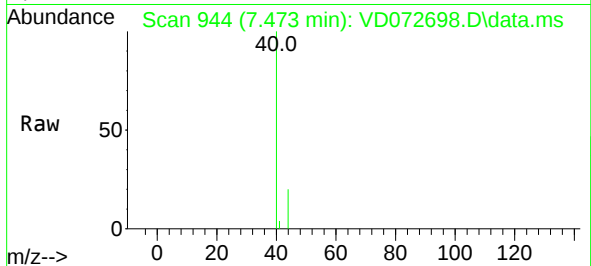




#41
Methacrylonitrile
Concen: 1.680 ug/l
RT: 7.473 min Scan# 941
Delta R.T. -0.041 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

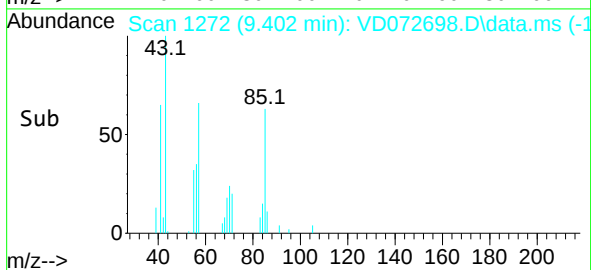
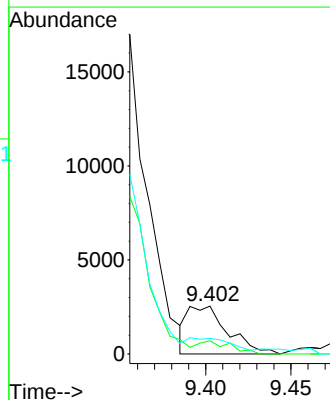
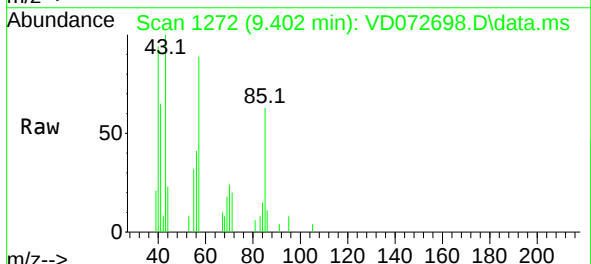
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

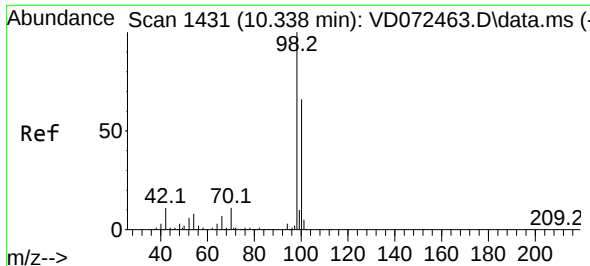
Tgt Ion: 41	Resp: 58
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#48
Methyl methacrylate
Concen: 1.035 ug/l
RT: 9.402 min Scan# 1272
Delta R.T. -0.047 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion: 41	Resp: 4164
Ion Ratio	Lower Upper
41 100	
69 0.0	56.7 85.1#
39 0.0	42.7 64.1#

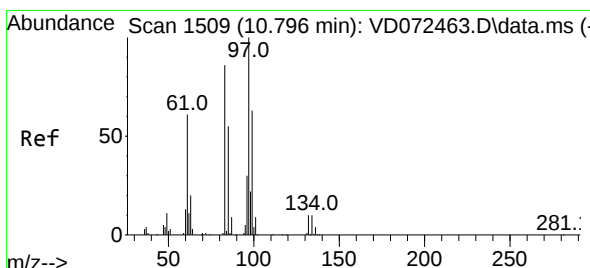
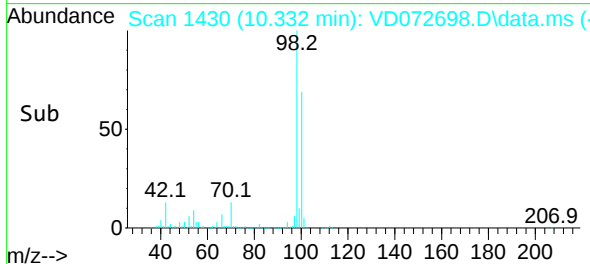
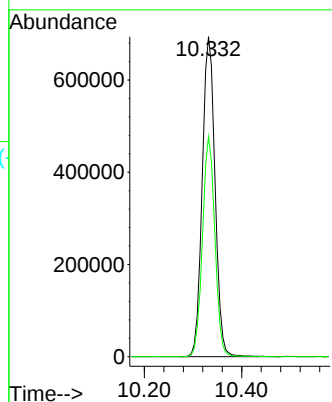
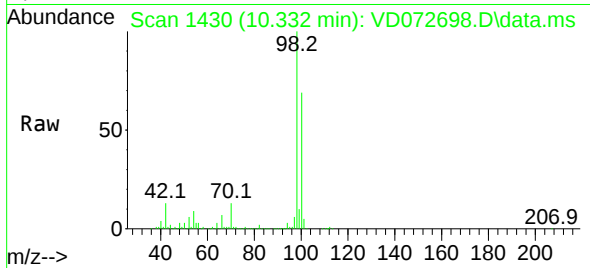




#50
Toluene-d8
Concen: 44.597 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

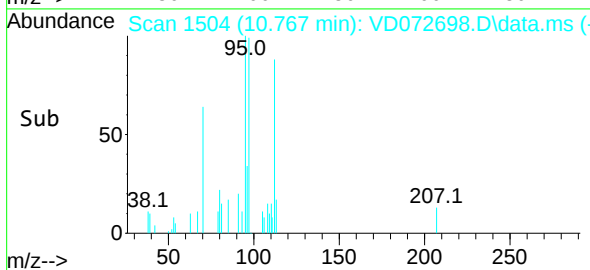
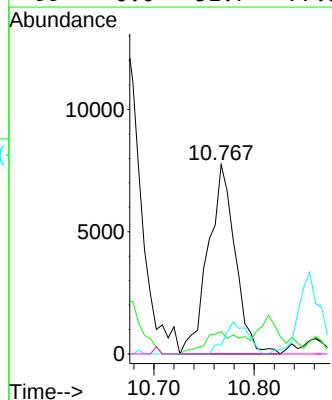
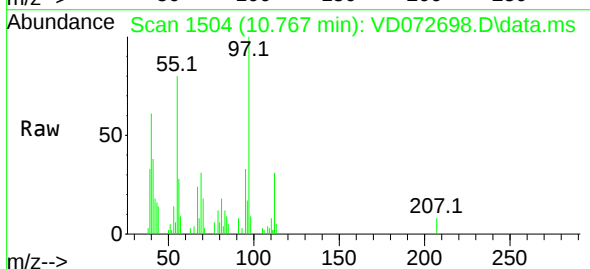
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

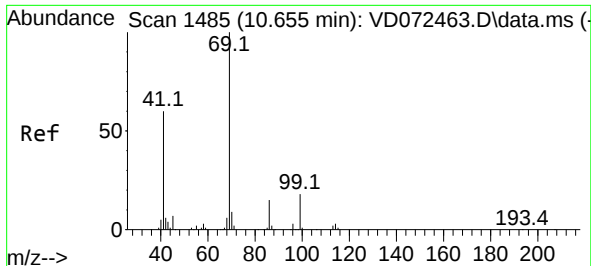
Tgt Ion: 98 Resp: 1264108
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 2.298 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion: 97 Resp: 14480
Ion Ratio Lower Upper
97 100
83 11.8 69.0 103.4#
85 4.8 42.6 63.8#
99 0.0 51.7 77.5#

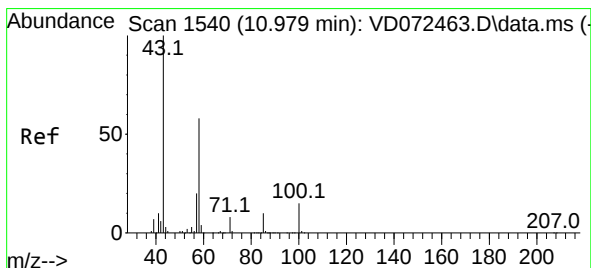
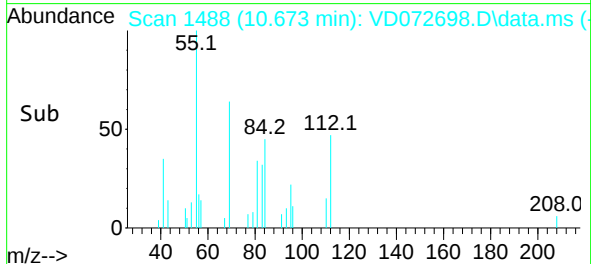
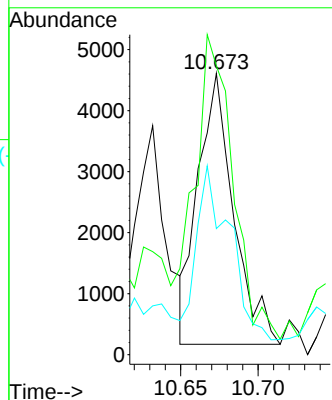
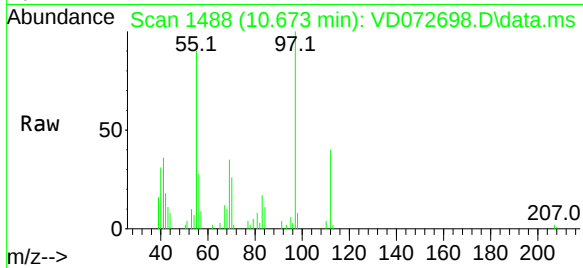




#56
Ethyl methacrylate
Concen: 2.086 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

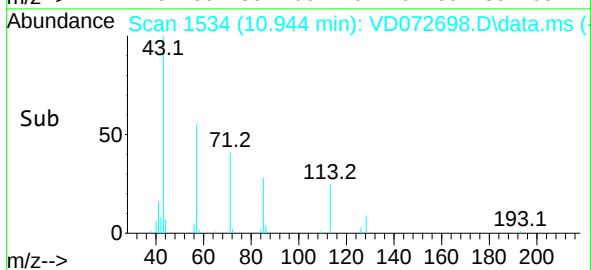
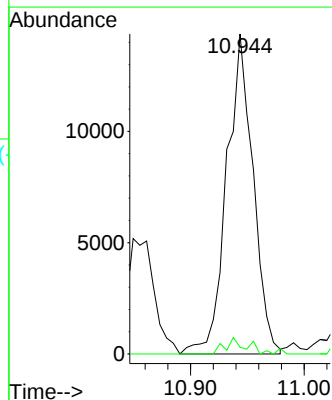
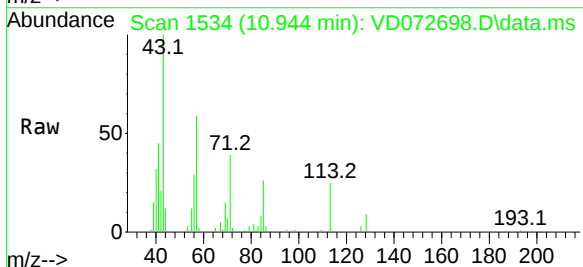
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

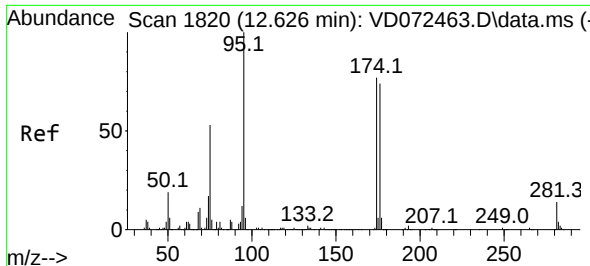
Tgt Ion: 69 Resp: 7102
Ion Ratio Lower Upper
69 100
41 121.4 63.0 94.6#
39 72.8 33.8 50.8#



#59
2-Hexanone
Concen: 7.705 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion: 43 Resp: 23302
Ion Ratio Lower Upper
43 100
58 2.9 25.3 75.9#

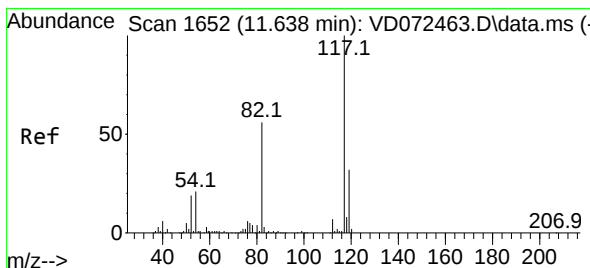
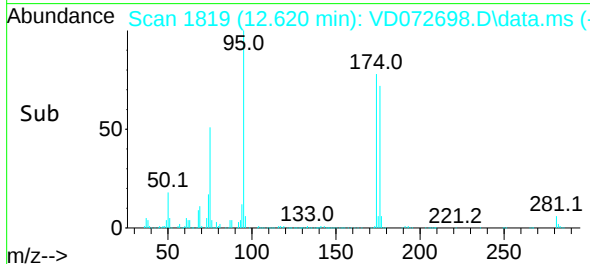
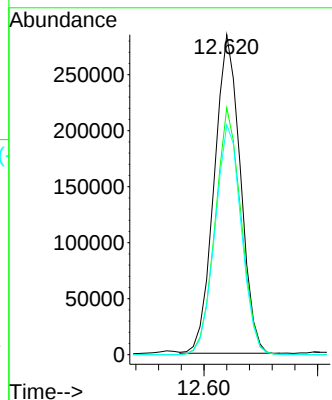
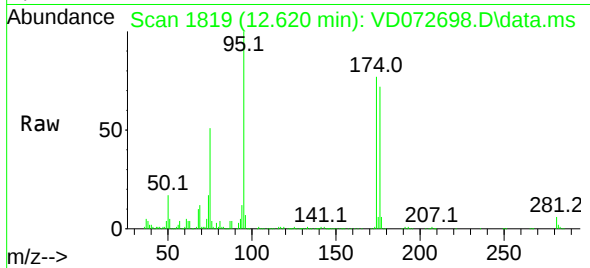




#62
4-Bromofluorobenzene
Concen: 40.970 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

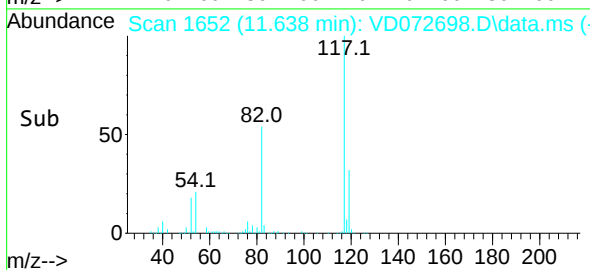
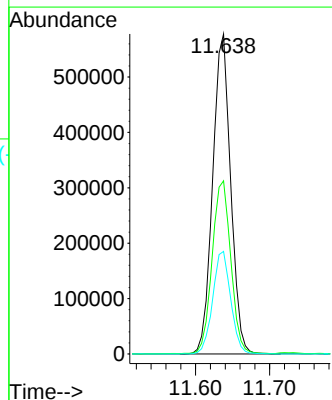
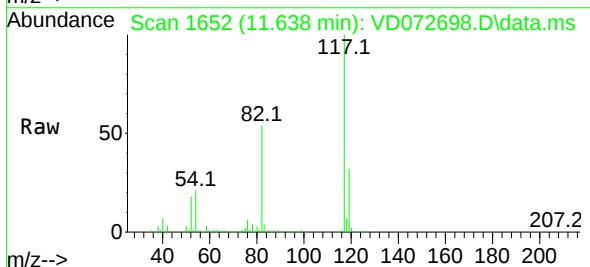
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

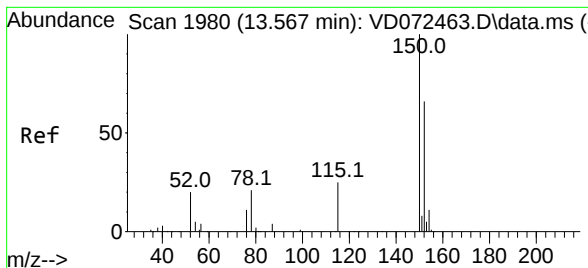
Tgt Ion: 95 Resp: 453538
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.8
176 73.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion: 117 Resp: 972855
Ion Ratio Lower Upper
117 100
82 54.0 45.3 67.9
119 32.0 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1980

Delta R.T. -0.006 min

Lab File: VD072698.D

Acq: 22 Apr 2022 17:08

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

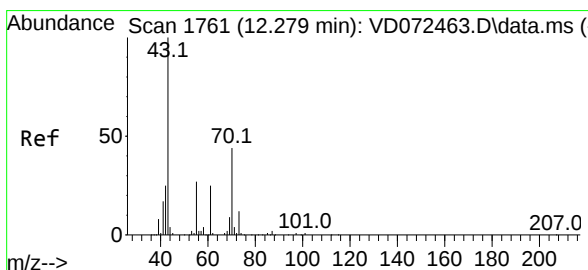
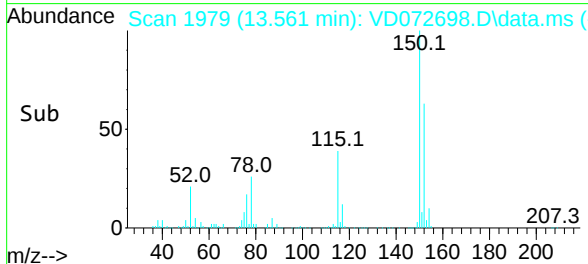
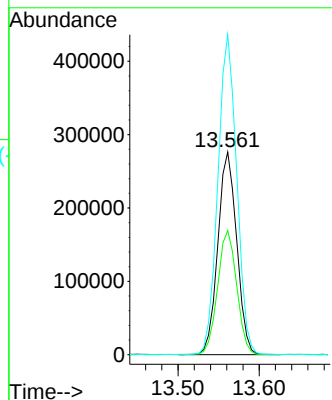
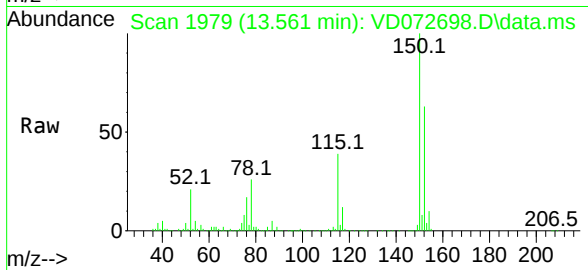
Tgt Ion:152 Resp: 446828

Ion Ratio Lower Upper

152 100

115 61.9 31.3 93.8

150 157.9 0.0 348.6



#74

N-ethyl acetate

Concen: 3.028 ug/l

RT: 12.255 min Scan# 1757

Delta R.T. -0.023 min

Lab File: VD072698.D

Acq: 22 Apr 2022 17:08

Tgt Ion: 43 Resp: 22924

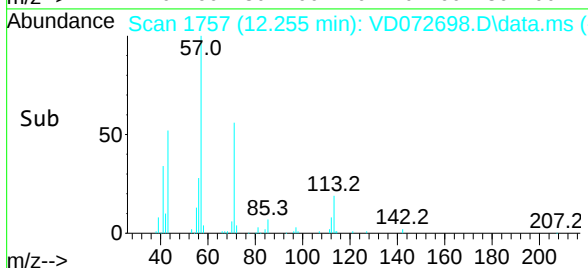
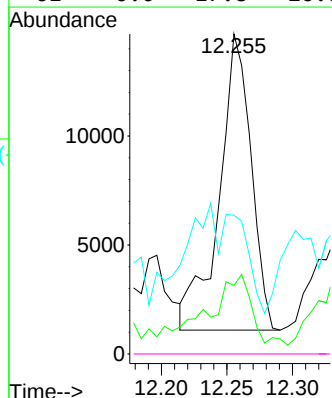
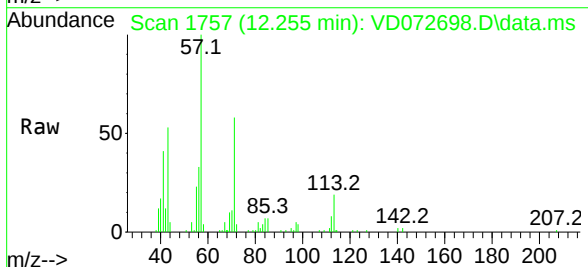
Ion Ratio Lower Upper

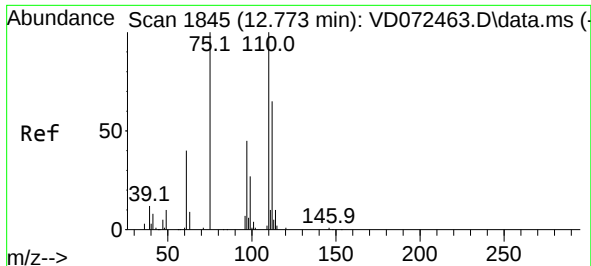
43 100

70 33.4 31.3 46.9

55 0.0 20.0 30.0#

61 0.0 17.8 26.8#

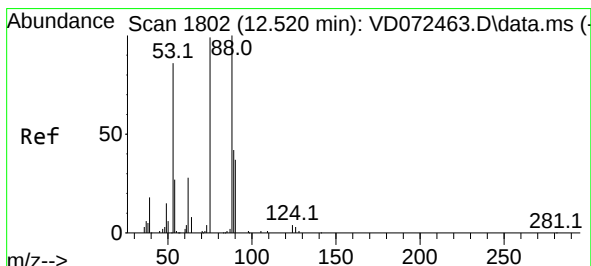
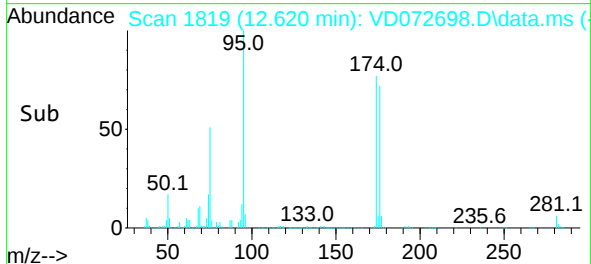
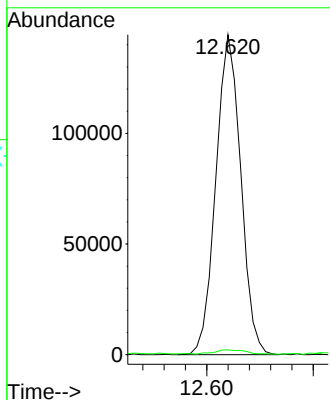
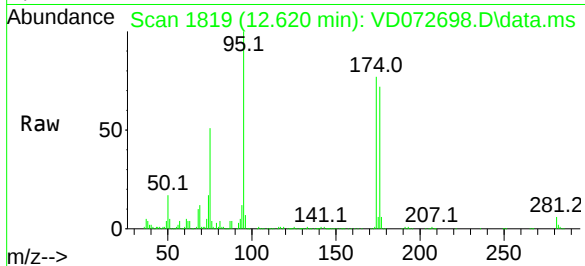




#76
1,2,3-Trichloropropane
Concen: 48.137 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 234591
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.120 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072698.D
Acq: 22 Apr 2022 17:08

Tgt Ion: 75 Resp: 234591
Ion Ratio Lower Upper
75 100
53 0.5 86.5 129.7#
89 0.0 33.9 50.9#

