

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072670.D
 Acq On : 21 Apr 2022 14:52
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Apr 22 03:40:56 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)

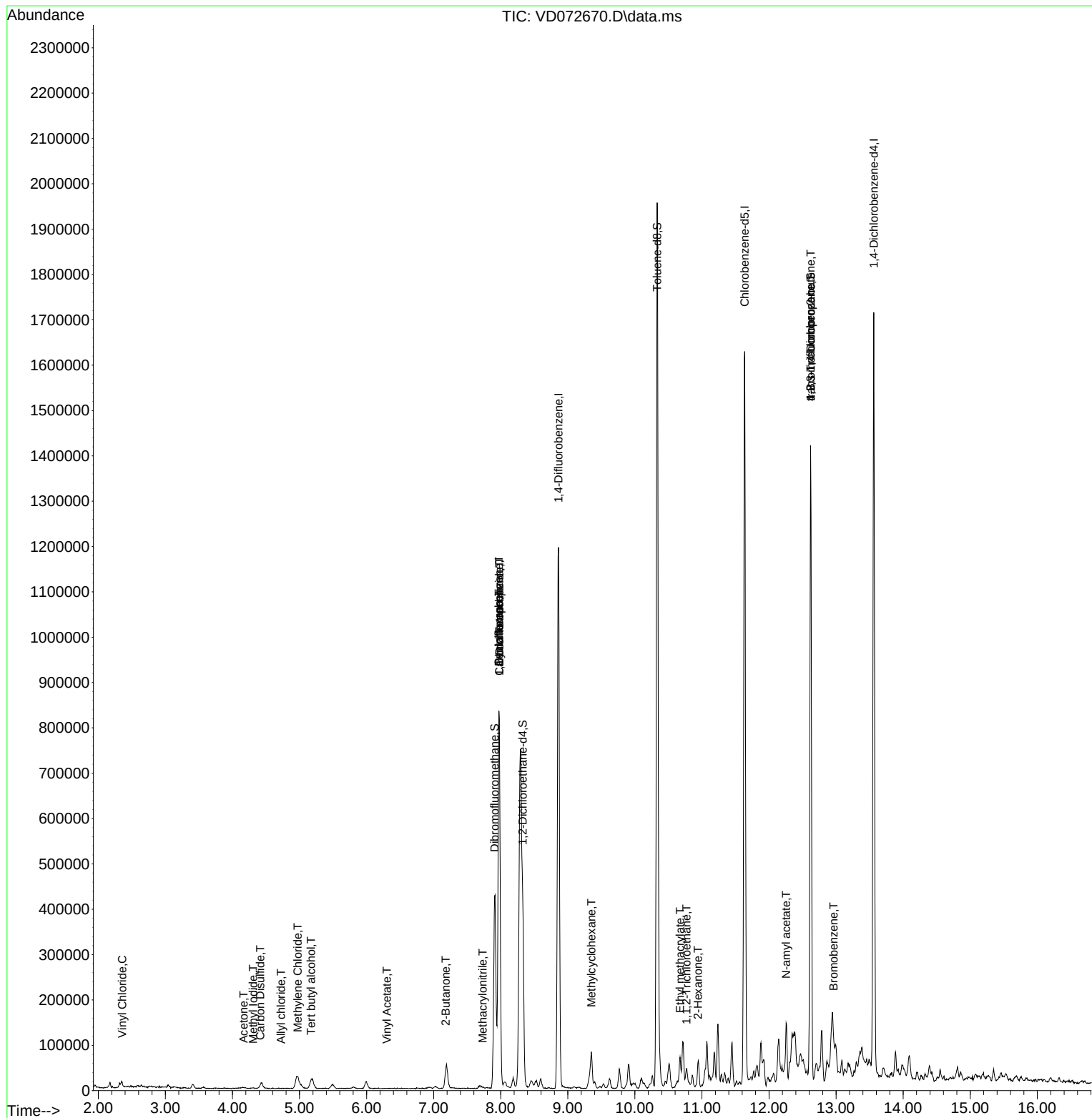
Internal Standards						
1) Pentafluorobenzene	7.973	168	599641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1059727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	973786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	438411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	289884	39.963	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.920%
35) Dibromofluoromethane	7.908	113	316055	38.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.760%
50) Toluene-d8	10.332	98	1271393	44.412	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.820%
62) 4-Bromofluorobenzene	12.620	95	451831	40.413	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.820%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.356	62	536	1.054	ug/l #	86
10) Methyl Iodide	4.309	142	1915	4.007	ug/l #	83
11) Tert butyl alcohol	5.173	59	20839	54.400	ug/l #	74
14) Allyl chloride	4.726	41	596	1.188	ug/l #	27
16) Acetone	4.168	43	4662	3.447	ug/l	90
17) Carbon Disulfide	4.415	76	4841	4.011	ug/l #	74
20) Methylene Chloride	4.973	84	21441	2.663	ug/l	84
23) Vinyl Acetate	6.303	43	70	6.295	ug/l #	75
25) 2-Butanone	7.179	43	3368	1.800	ug/l #	52
31) Cyclohexane	7.973	56	17152	1.808	ug/l #	3
36) 1,1-Dichloropropene	7.979	75	50310	5.797	ug/l #	52
38) Carbon Tetrachloride	7.979	117	63294	5.579	ug/l #	16
39) Methylcyclohexane	9.350	83	30313	5.208	ug/l #	86
41) Methacrylonitrile	7.732	41	433	1.822	ug/l #	36
55) 1,1,2-Trichloroethane	10.767	97	13458	2.115	ug/l #	23
56) Ethyl methacrylate	10.673	69	6843	2.044	ug/l #	31
59) 2-Hexanone	10.938	43	22442	7.348	ug/l #	31
74) N-amyl acetate	12.255	43	27118	3.650	ug/l #	68
76) 1,2,3-Trichloropropane	12.620	75	227171	47.510	ug/l #	100
77) Bromobenzene	12.961	156	48037	6.053	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	227171	116.580	ug/l #	7

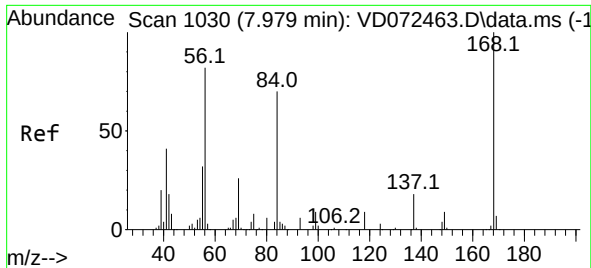
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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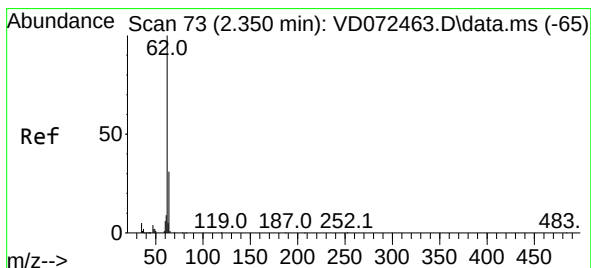
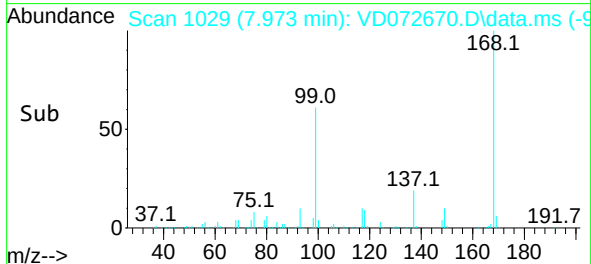
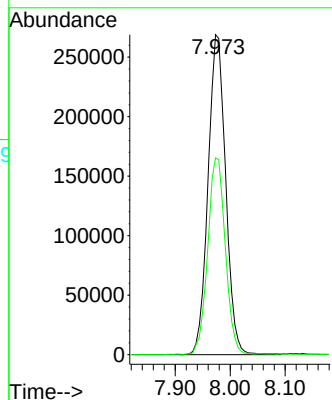
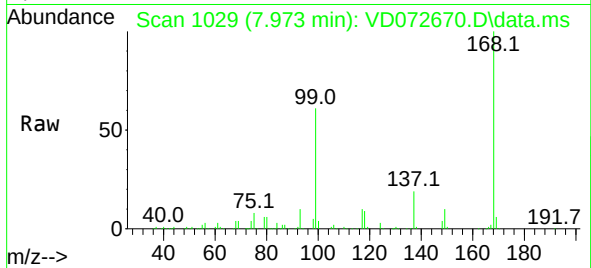




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

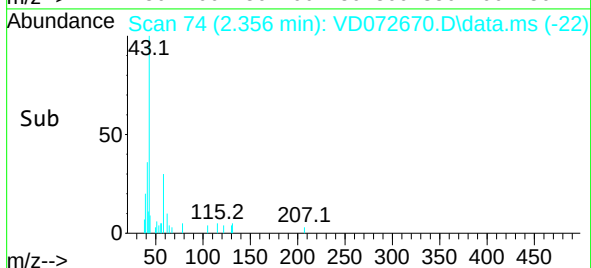
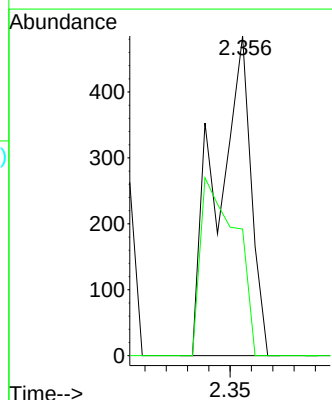
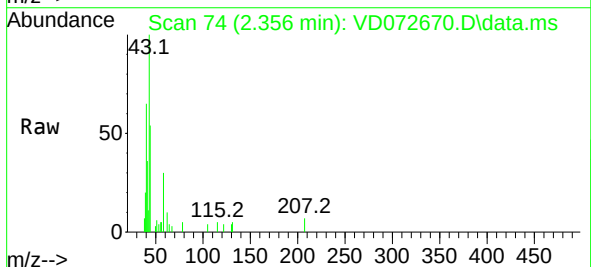
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

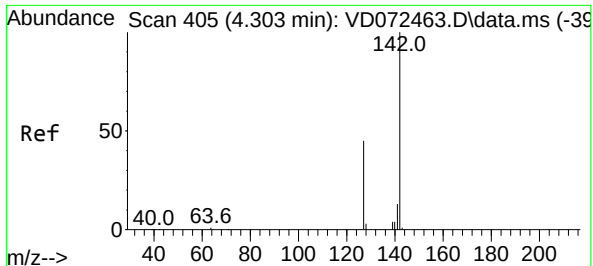
Tgt Ion:168 Resp: 599641
Ion Ratio Lower Upper
168 100
99 61.3 49.8 74.6



#4
Vinyl Chloride
Concen: 1.054 ug/l
RT: 2.356 min Scan# 74
Delta R.T. 0.006 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

Tgt Ion: 62 Resp: 536
Ion Ratio Lower Upper
62 100
64 39.6 25.4 38.0#

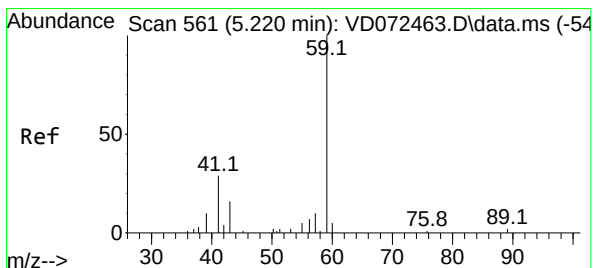
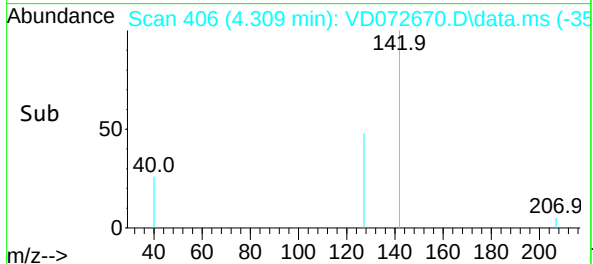
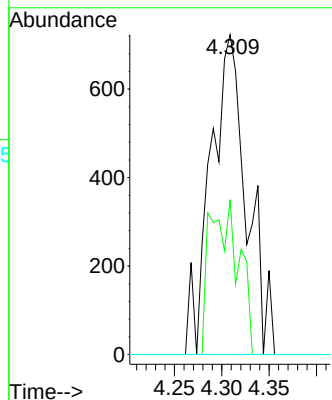
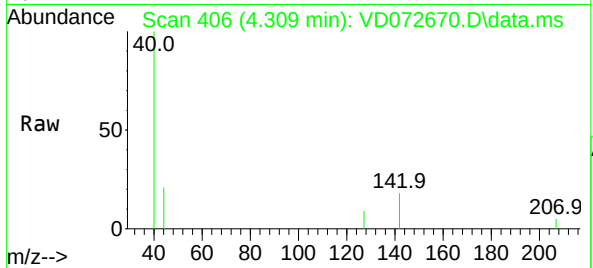




#10
Methyl Iodide
Concen: 4.007 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

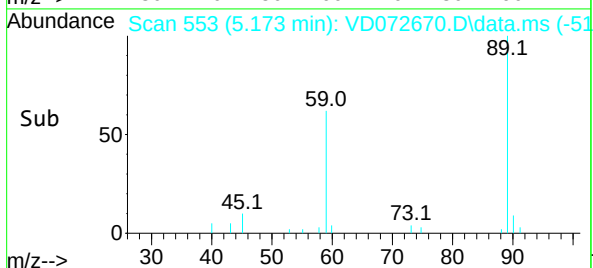
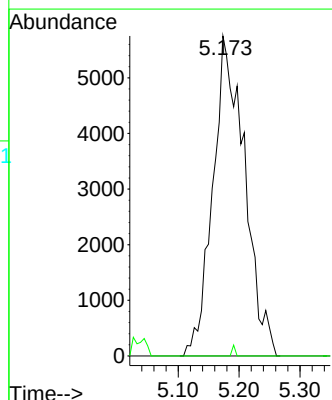
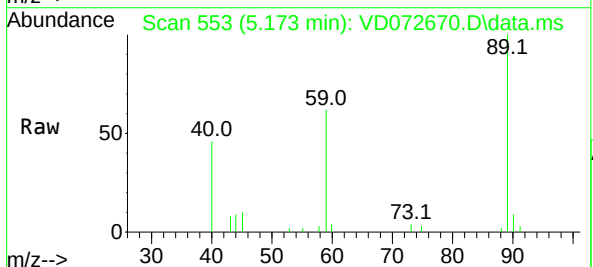
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

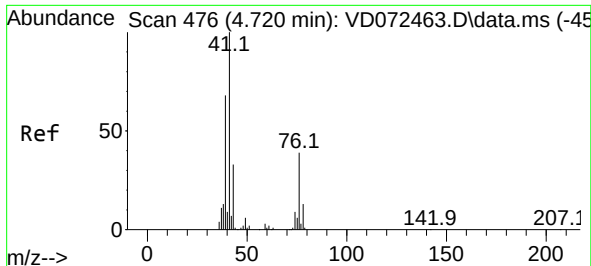
Tgt Ion:142 Resp: 1915
Ion Ratio Lower Upper
142 100
127 39.0 37.3 55.9
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 54.400 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

Tgt Ion: 59 Resp: 20839
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

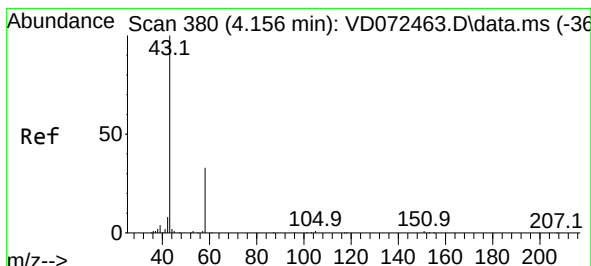
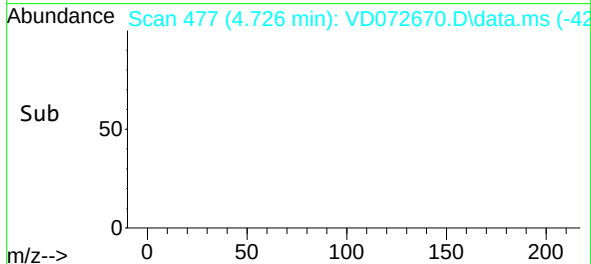
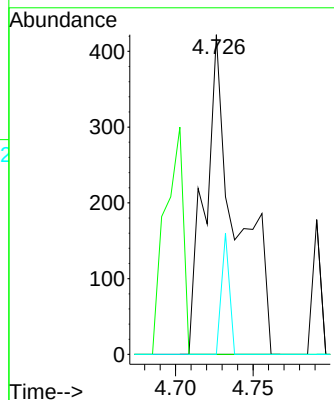
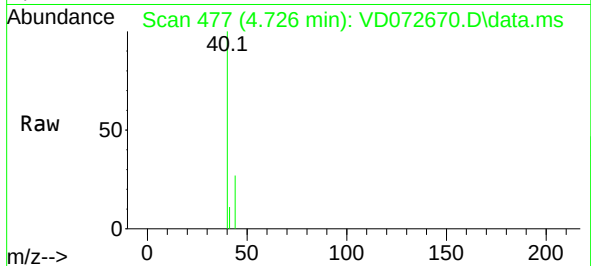




#14
 Allyl chloride
 Concen: 1.188 ug/l
 RT: 4.726 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VD072670.D
 Acq: 21 Apr 2022 14:52

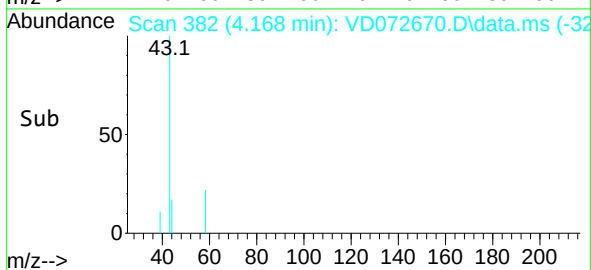
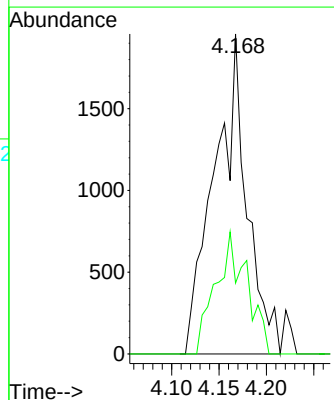
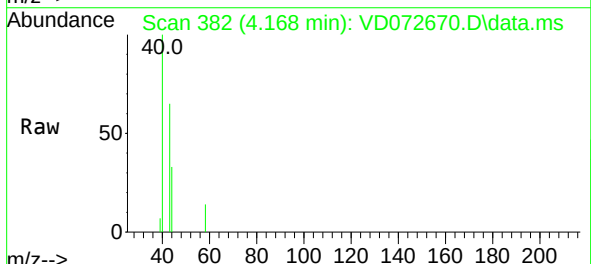
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

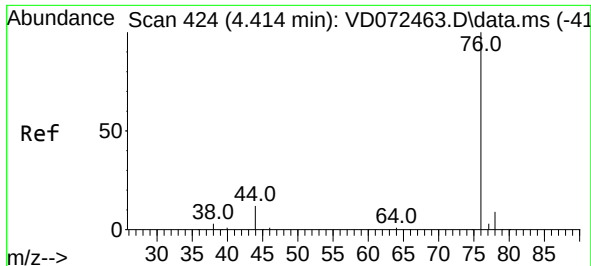
Tgt Ion:	41	Resp:	596
Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.3	88.9#
76	9.4	25.7	38.5#



#16
 Acetone
 Concen: 3.447 ug/l
 RT: 4.168 min Scan# 382
 Delta R.T. 0.012 min
 Lab File: VD072670.D
 Acq: 21 Apr 2022 14:52

Tgt Ion:	43	Resp:	4662
Ion	Ratio	Lower	Upper
43	100		
58	22.1	22.1	33.1





#17

Carbon Disulfide

Concen: 4.011 ug/l

RT: 4.415 min Scan# 41

Delta R.T. 0.001 min

Lab File: VD072670.D

Acq: 21 Apr 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

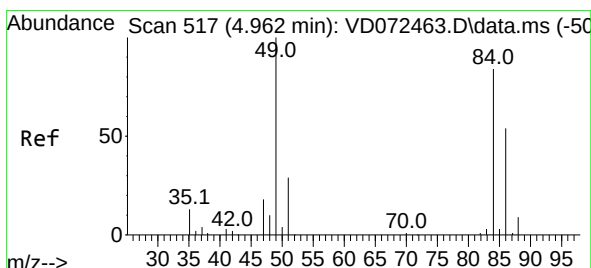
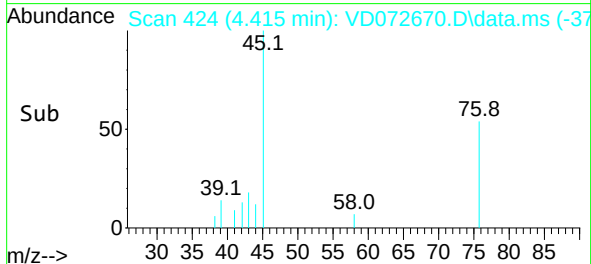
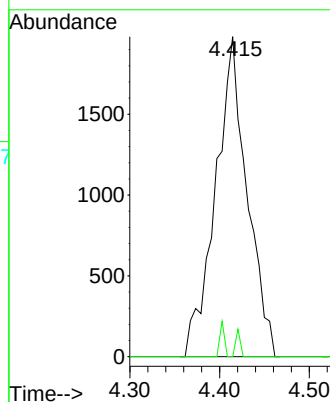
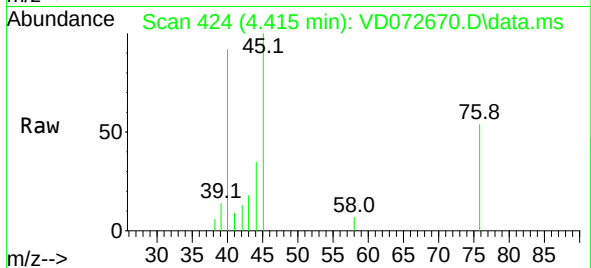
VIBLK

Tgt Ion: 76 Resp: 4841

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: 2.663 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.012 min

Lab File: VD072670.D

Acq: 21 Apr 2022 14:52

Tgt Ion: 84 Resp: 21441

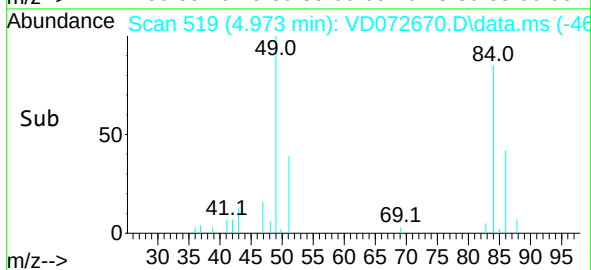
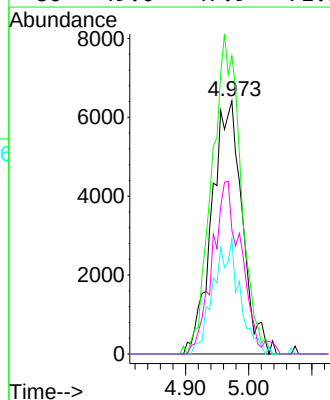
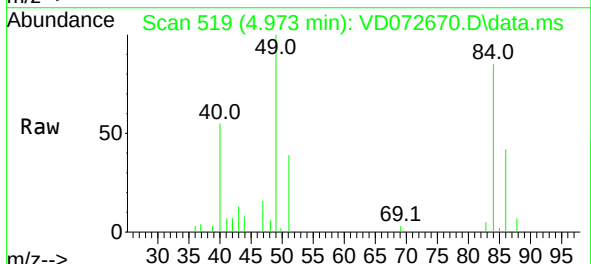
Ion Ratio Lower Upper

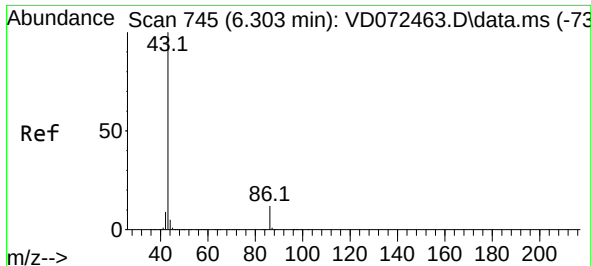
84 100

49 117.8 112.8 169.2

51 45.5 32.6 48.8

86 49.0 47.9 71.9

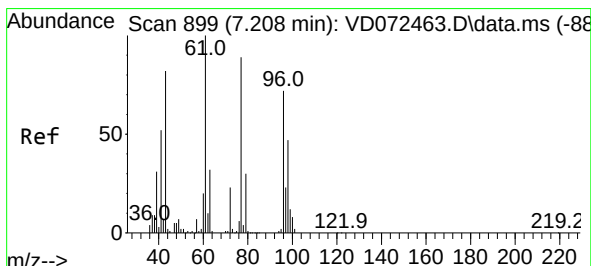
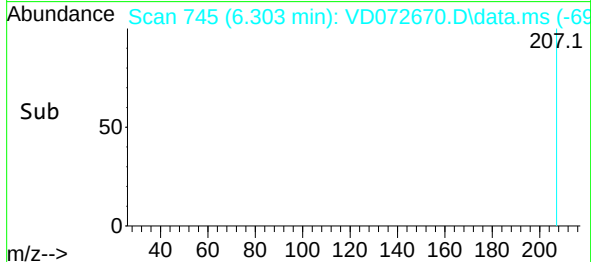
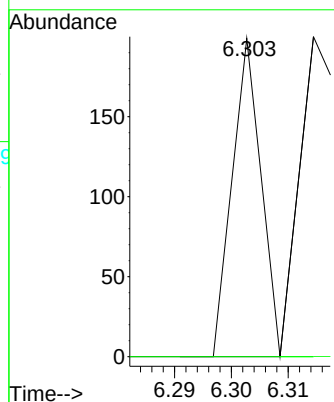
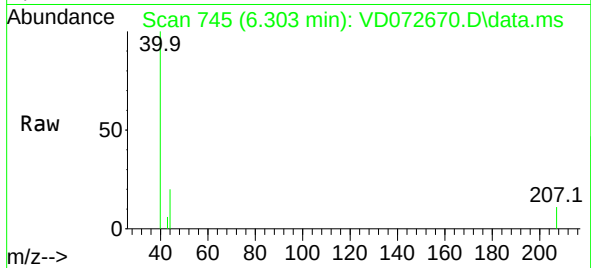




#23
 Vinyl Acetate
 Concen: 6.295 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD072670.D
 Acq: 21 Apr 2022 14:52

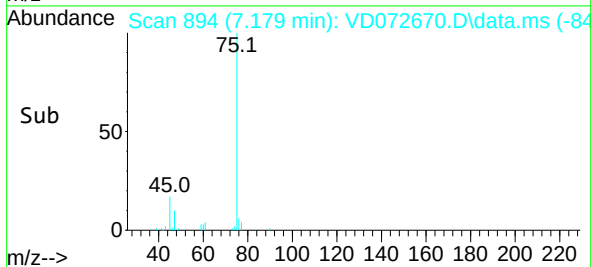
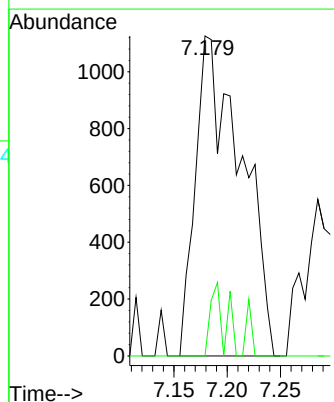
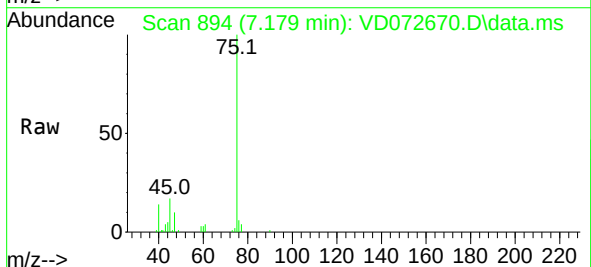
Instrument :
 MSVOA_D
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 VIBLK

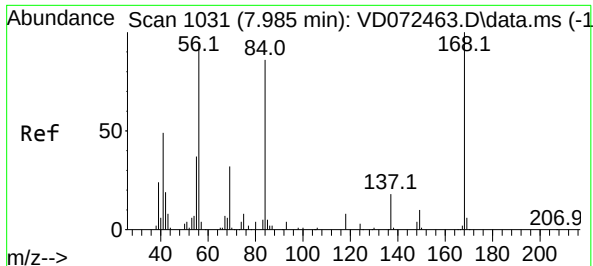
Tgt Ion: 43 Resp: 70
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 1.800 ug/l
 RT: 7.179 min Scan# 894
 Delta R.T. -0.029 min
 Lab File: VD072670.D
 Acq: 21 Apr 2022 14:52

Tgt Ion: 43 Resp: 3368
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.808 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072670.D

Acq: 21 Apr 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

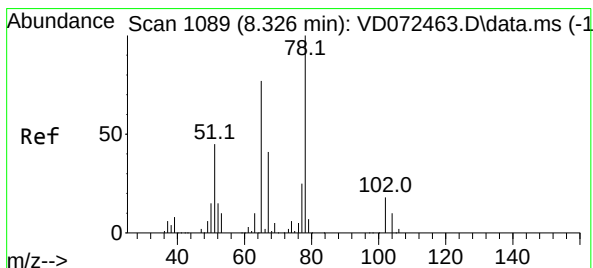
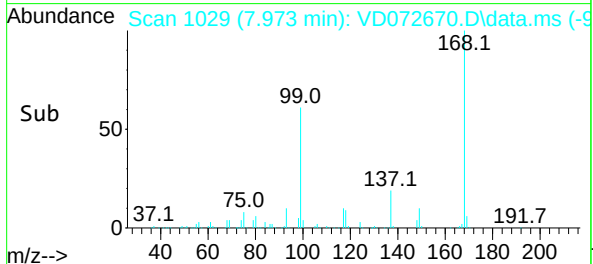
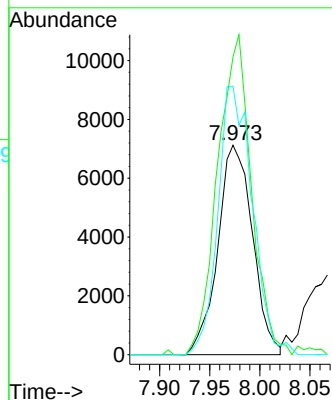
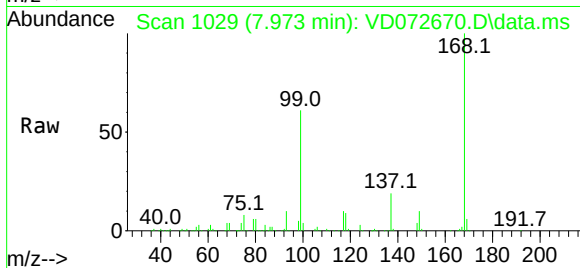
Tgt Ion: 56 Resp: 17152

Ion Ratio Lower Upper

56 100

69 142.2 25.4 38.2#

84 128.2 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 39.963 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072670.D

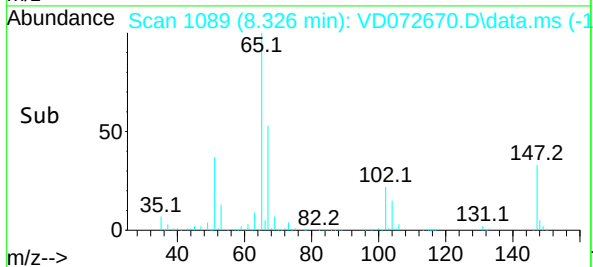
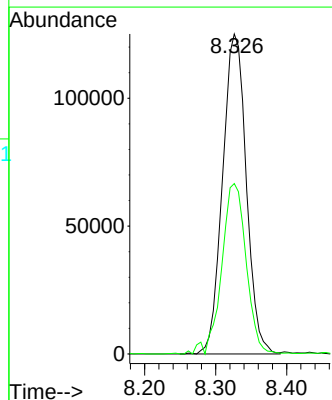
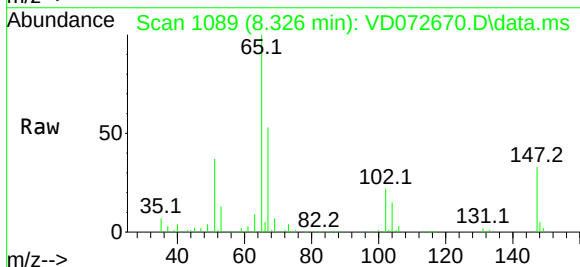
Acq: 21 Apr 2022 14:52

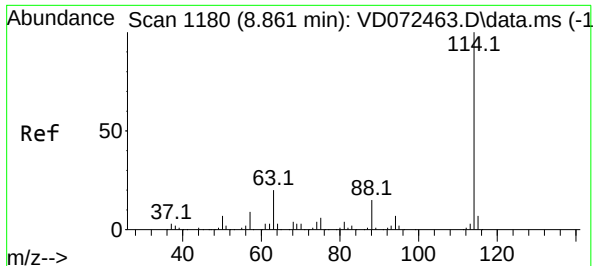
Tgt Ion: 65 Resp: 289884

Ion Ratio Lower Upper

65 100

67 55.1 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: VD072670.D

Acq: 21 Apr 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

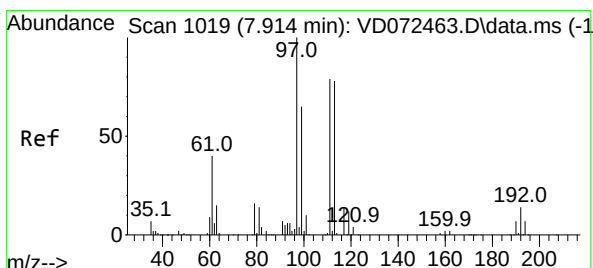
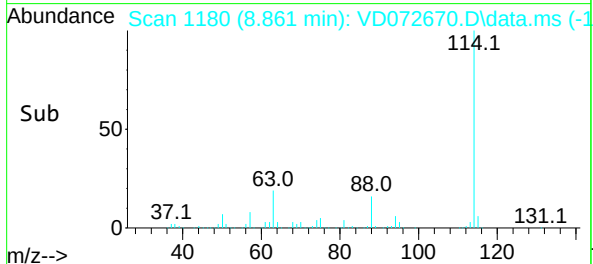
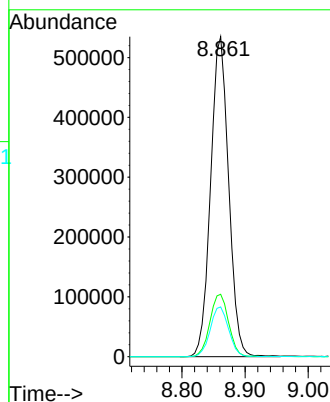
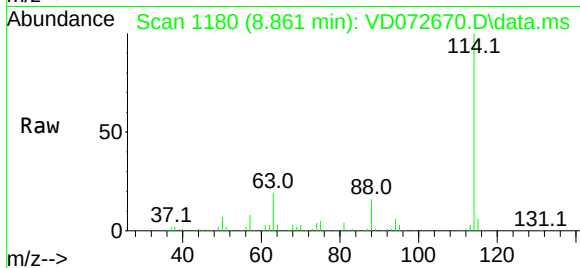
Tgt Ion:114 Resp: 1059727

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 38.377 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072670.D

Acq: 21 Apr 2022 14:52

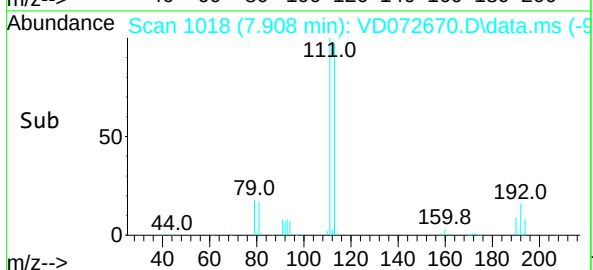
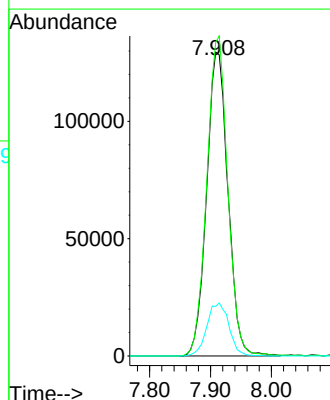
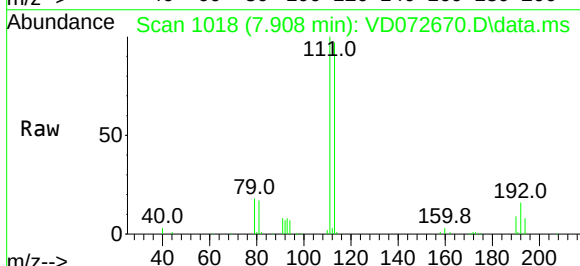
Tgt Ion:113 Resp: 316055

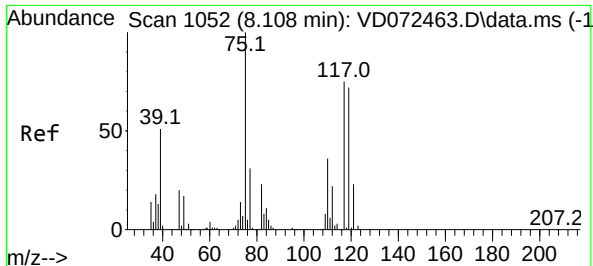
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 18.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.797 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072670.D

Acq: 21 Apr 2022 14:52

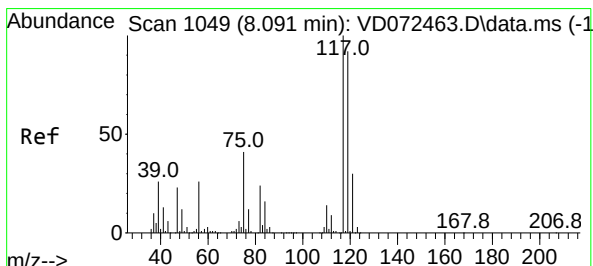
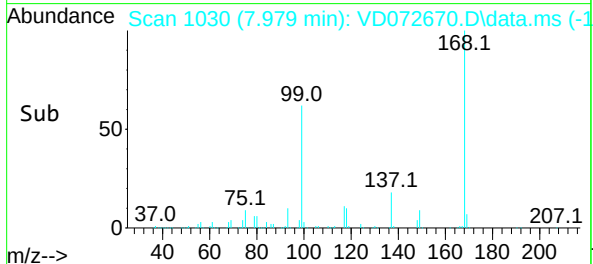
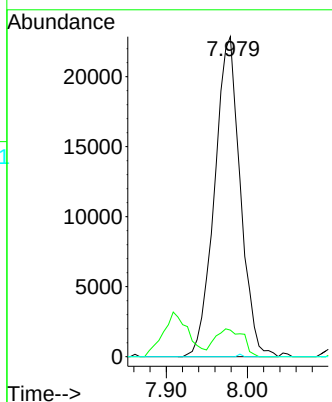
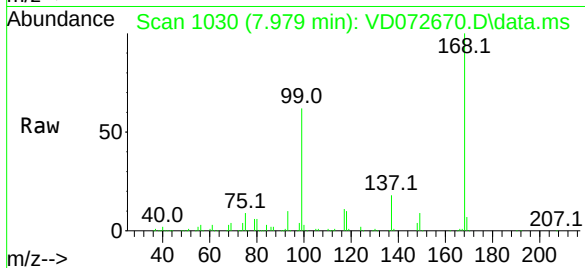
Instrument :

MSVOA_D

ClientSampleId :

VIBLK

Tgt Ion:	75	Resp:	50310
Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.4	49.1#
77	0.1	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.579 ug/l

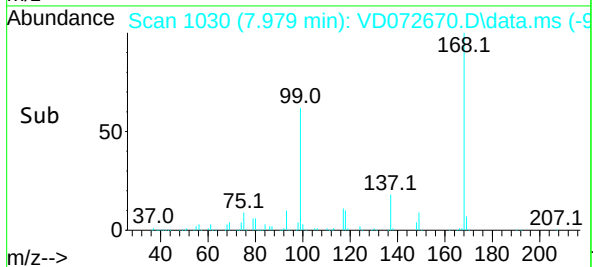
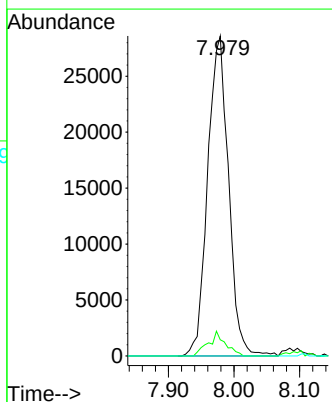
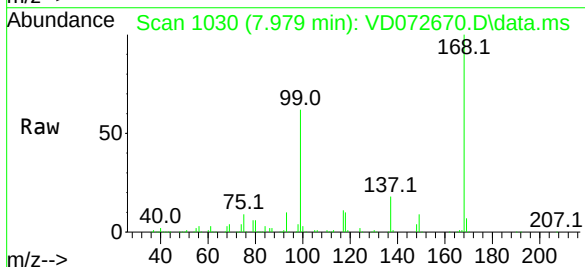
RT: 7.979 min Scan# 1030

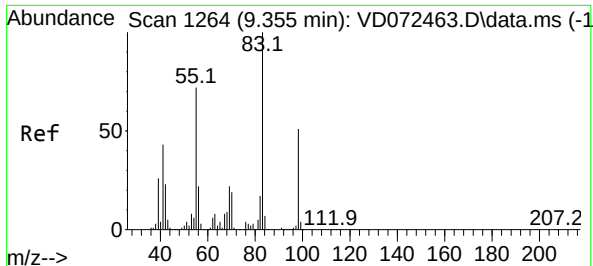
Delta R.T. -0.112 min

Lab File: VD072670.D

Acq: 21 Apr 2022 14:52

Tgt Ion:	117	Resp:	63294
Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.8	113.6#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 5.208 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072670.D

Acq: 21 Apr 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

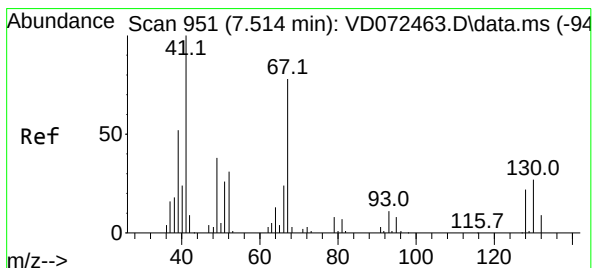
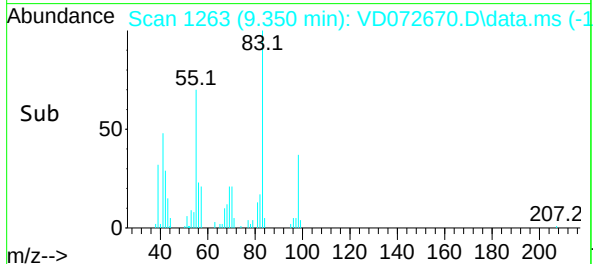
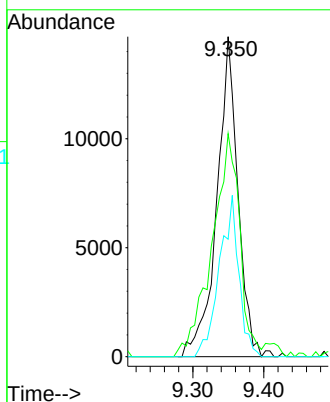
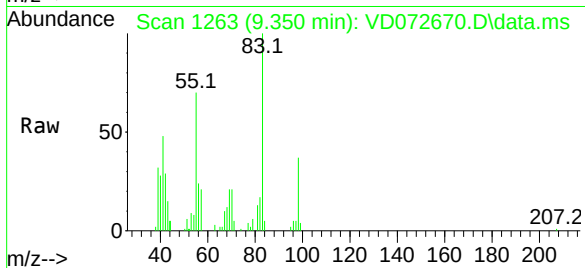
Tgt Ion: 83 Resp: 30313

Ion Ratio Lower Upper

83 100

55 67.7 63.2 94.8

98 36.7 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.822 ug/l

RT: 7.732 min Scan# 988

Delta R.T. 0.218 min

Lab File: VD072670.D

Acq: 21 Apr 2022 14:52

Tgt Ion: 41 Resp: 433

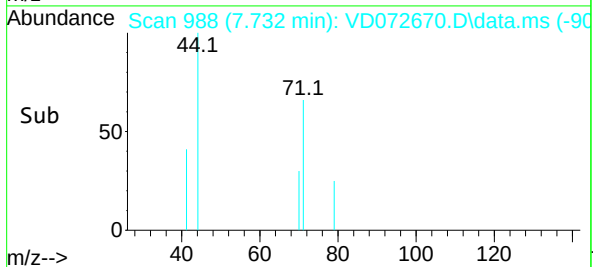
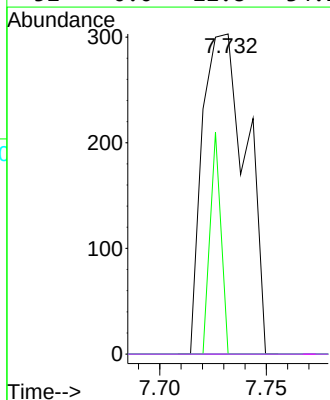
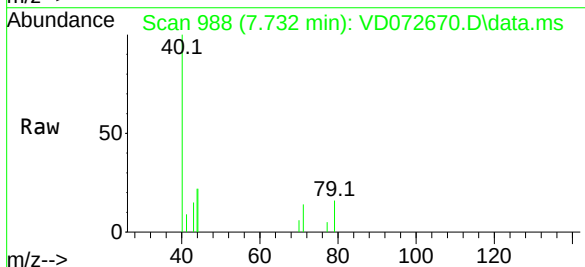
Ion Ratio Lower Upper

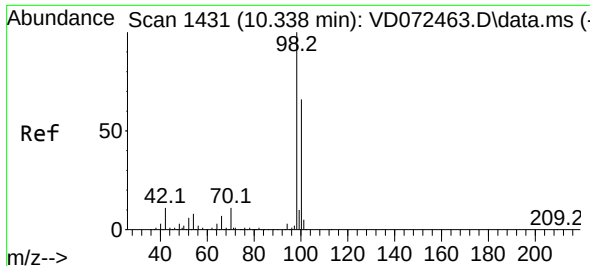
41 100

39 17.1 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

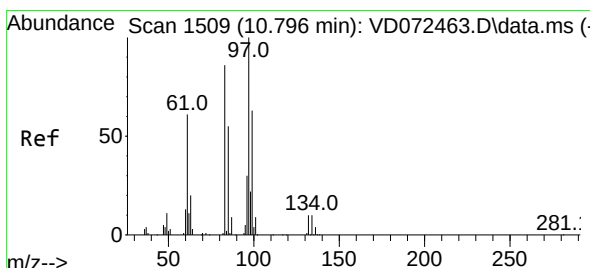
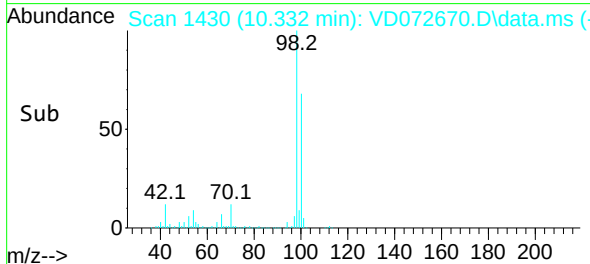
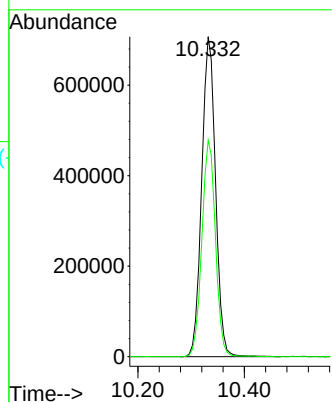
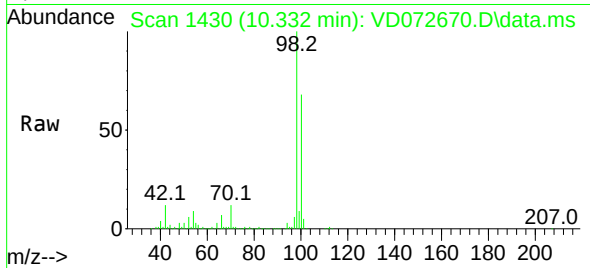




#50
Toluene-d8
Concen: 44.412 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

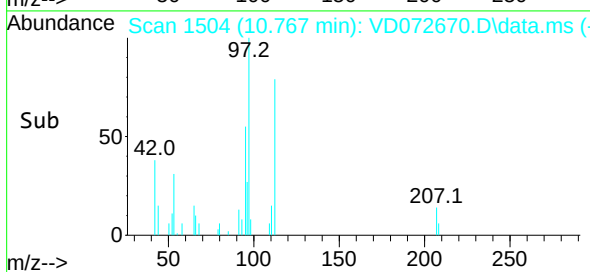
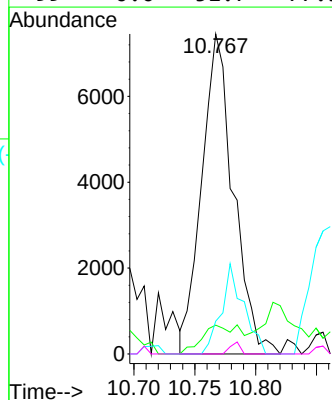
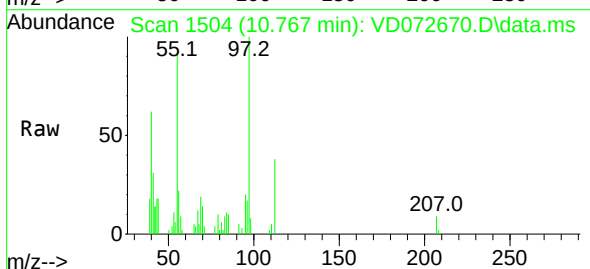
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

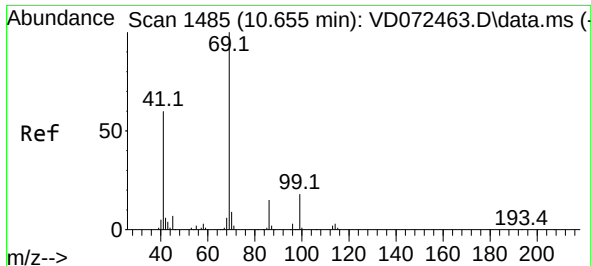
Tgt Ion: 98 Resp: 1271393
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 2.115 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

Tgt Ion: 97 Resp: 13458
Ion Ratio Lower Upper
97 100
83 9.0 69.0 103.4#
85 10.2 42.6 63.8#
99 0.0 51.7 77.5#

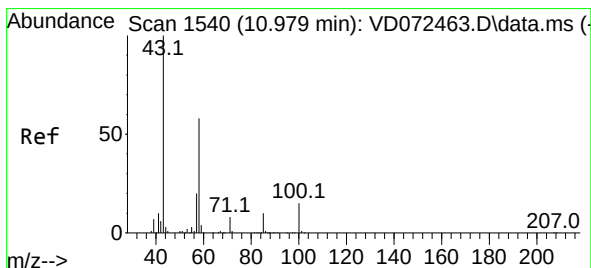
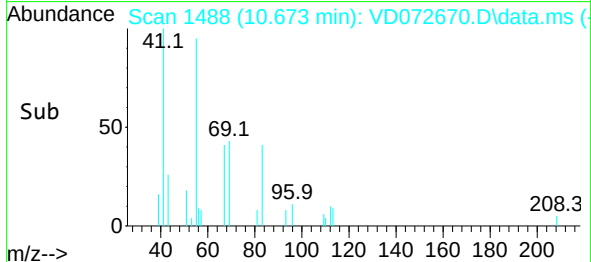
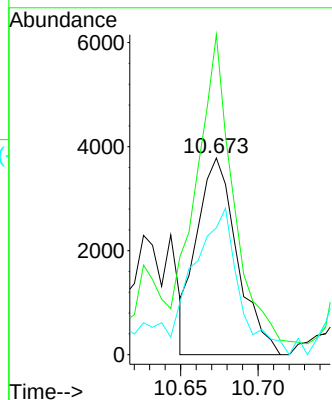
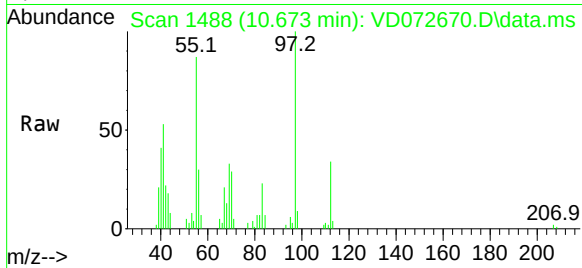




#56
Ethyl methacrylate
Concen: 2.044 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

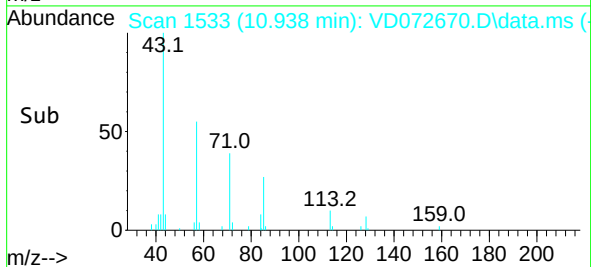
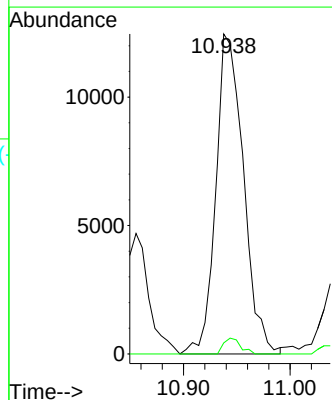
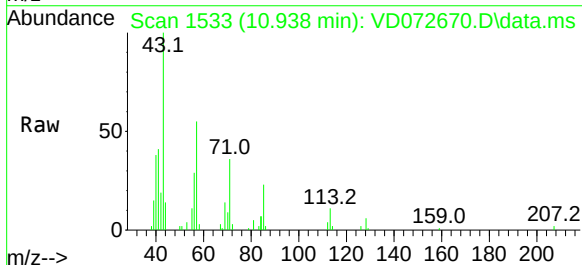
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

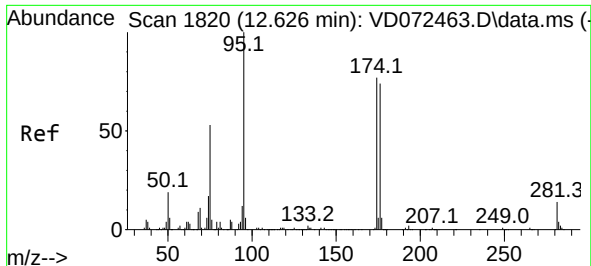
Tgt Ion: 69 Resp: 6843
Ion Ratio Lower Upper
69 100
41 142.6 63.0 94.6#
39 81.9 33.8 50.8#



#59
2-Hexanone
Concen: 7.348 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.041 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

Tgt Ion: 43 Resp: 22442
Ion Ratio Lower Upper
43 100
58 3.0 25.3 75.9#

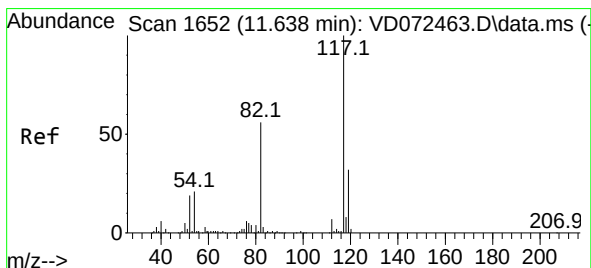
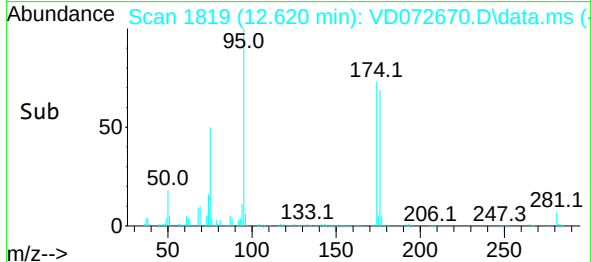
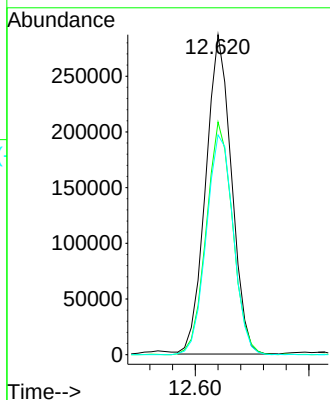
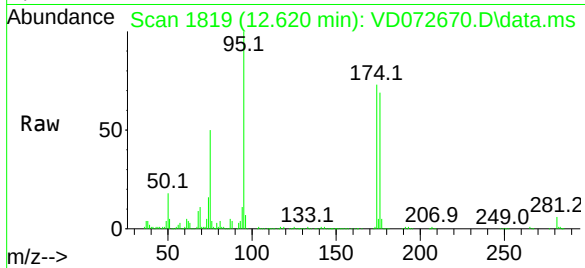




#62
4-Bromofluorobenzene
Concen: 40.413 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

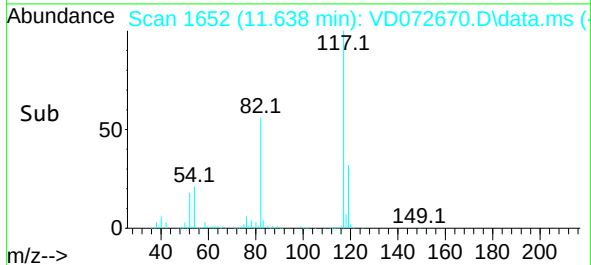
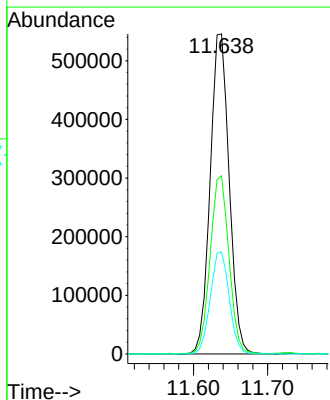
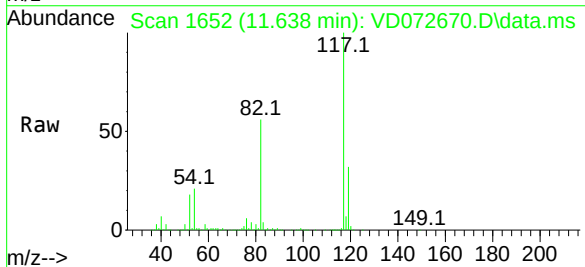
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

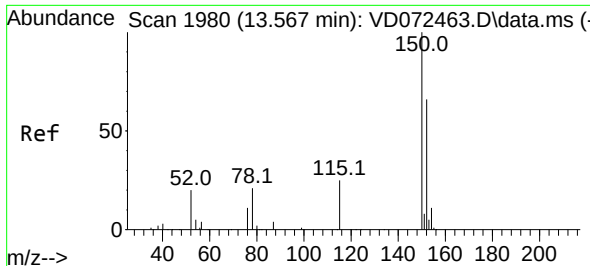
Tgt Ion: 95 Resp: 451831
Ion Ratio Lower Upper
95 100
174 74.5 0.0 152.8
176 72.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

Tgt Ion: 117 Resp: 973786
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 31.9 26.6 40.0

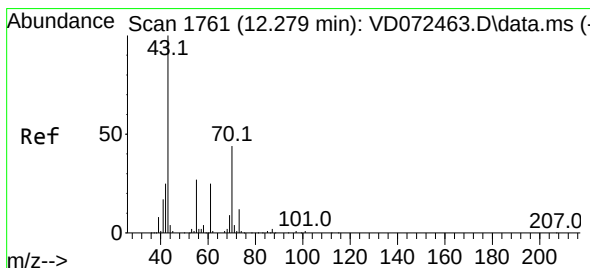
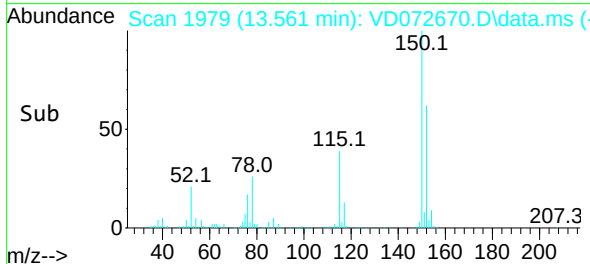
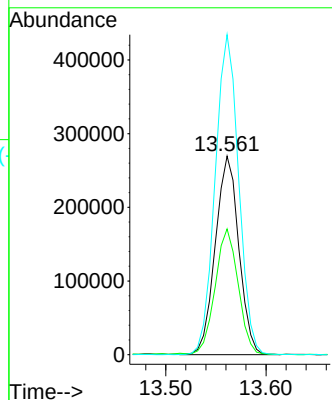
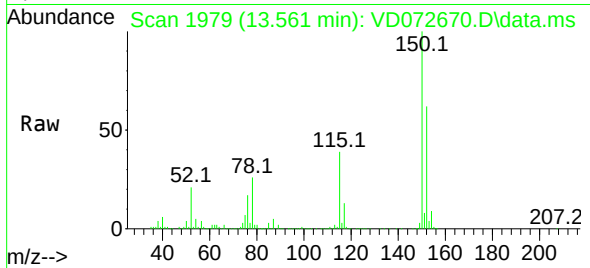




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

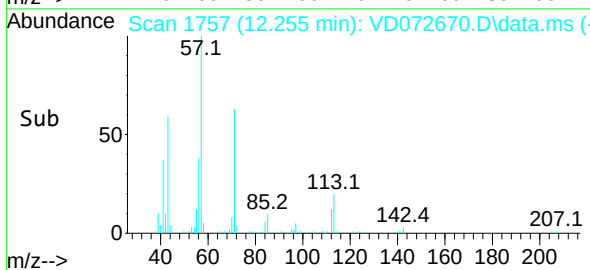
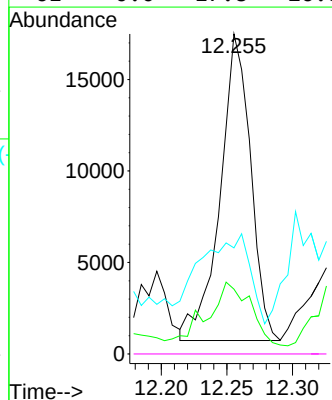
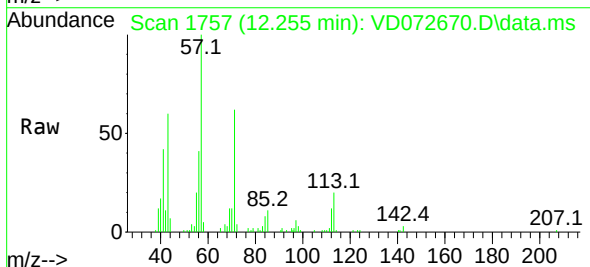
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

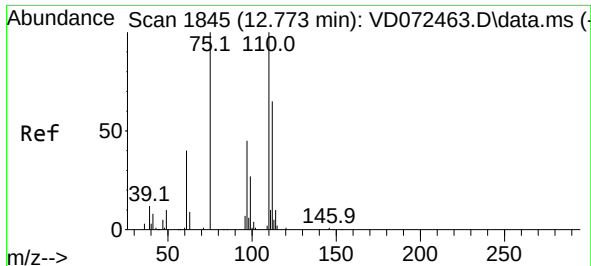
Tgt Ion:152 Resp: 438411
Ion Ratio Lower Upper
152 100
115 62.5 31.3 93.8
150 161.0 0.0 348.6



#74
N-ethyl acetate
Concen: 3.650 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.023 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

Tgt Ion: 43 Resp: 27118
Ion Ratio Lower Upper
43 100
70 29.4 31.3 46.9#
55 47.7 20.0 30.0#
61 0.0 17.8 26.8#

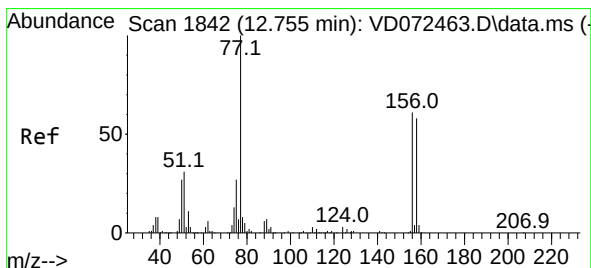
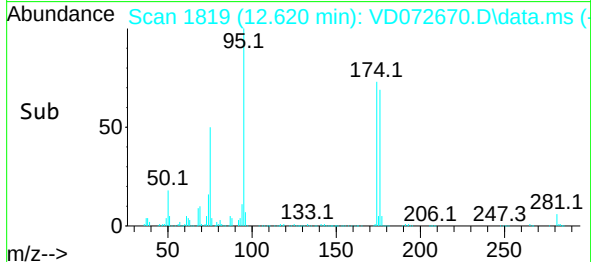
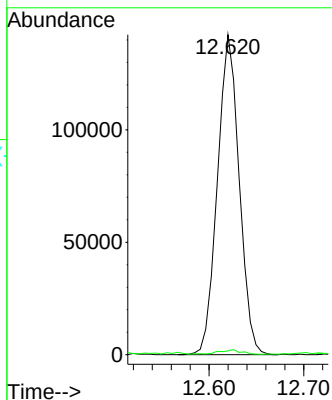
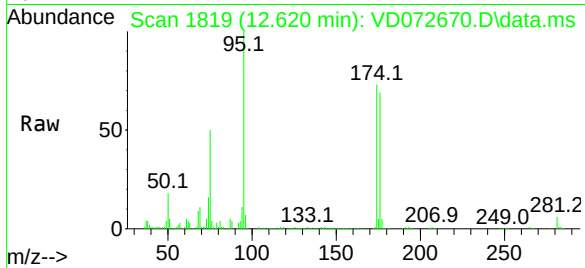




#76
1,2,3-Trichloropropane
Concen: 47.510 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

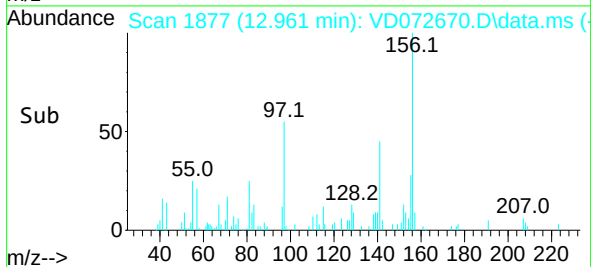
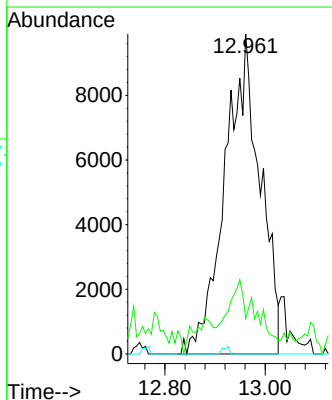
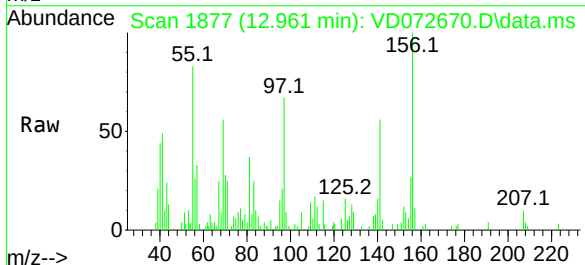
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

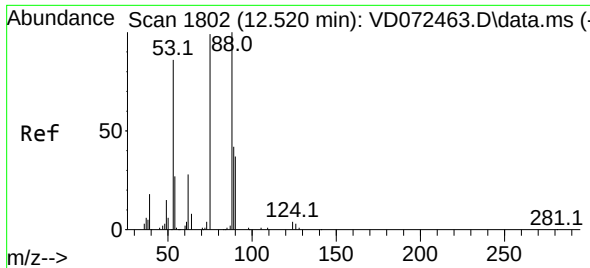
Tgt Ion: 75 Resp: 227171
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#77
Bromobenzene
Concen: 6.053 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.206 min
Lab File: VD072670.D
Acq: 21 Apr 2022 14:52

Tgt Ion:156 Resp: 48037
Ion Ratio Lower Upper
156 100
77 5.1 102.8 308.3#
158 0.0 48.7 146.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.580 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072670.D
 Acq: 21 Apr 2022 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 227171
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.5 129.7#
 89 0.3 33.9 50.9#

