

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072672.D
 Acq On : 21 Apr 2022 15:49
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Apr 22 03:41:10 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)

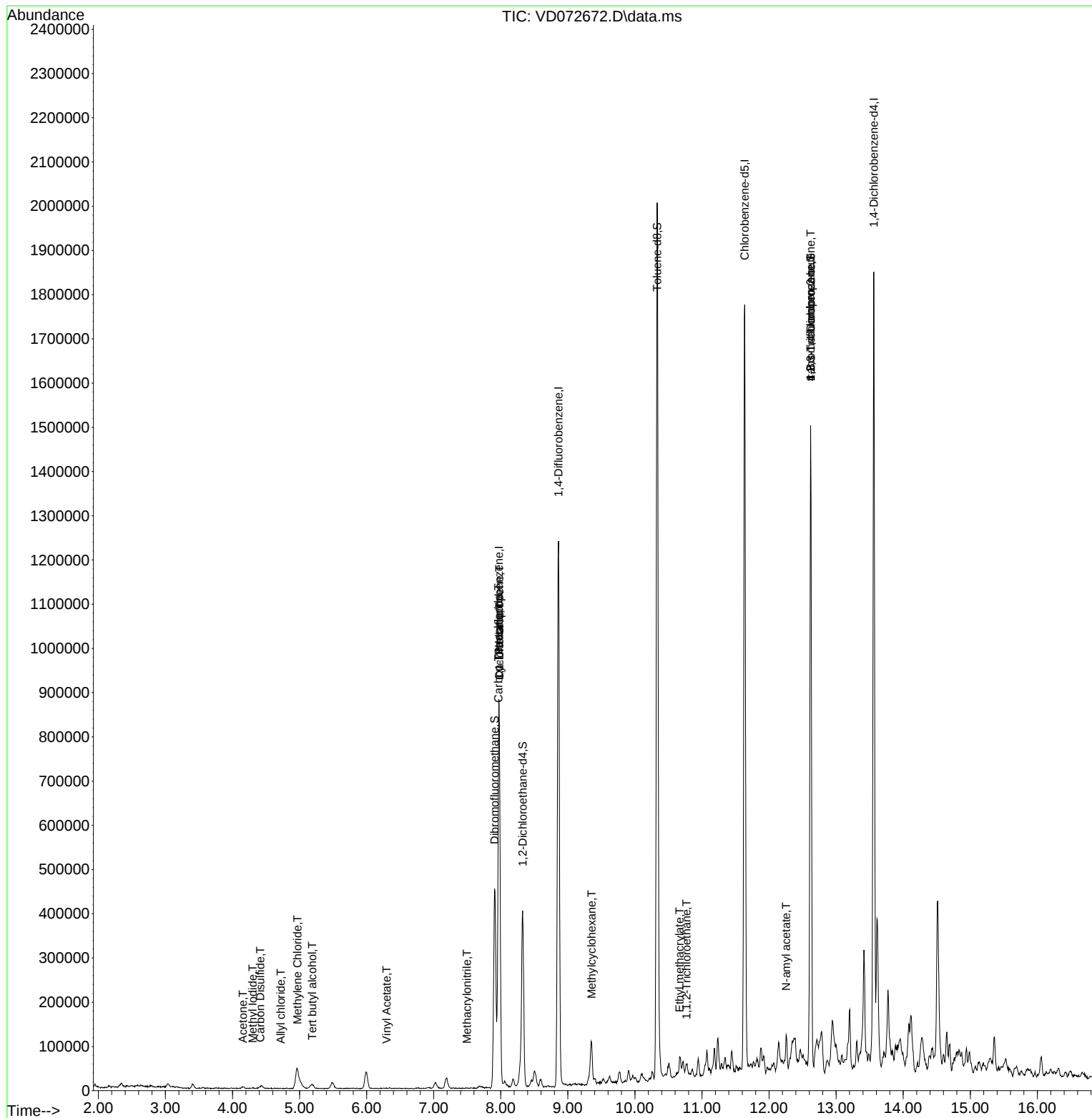
Internal Standards						
1) Pentafluorobenzene	7.973	168	626731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1083629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1027973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	474332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	312681	41.242	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.480%		
35) Dibromofluoromethane	7.908	113	333949	39.655	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.320%		
50) Toluene-d8	10.332	98	1338279	45.717	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.440%		
62) 4-Bromofluorobenzene	12.620	95	476247	41.658	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.320%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	1705	3.966	ug/l #	63
11) Tert butyl alcohol	5.191	59	9018	22.524	ug/l #	74
14) Allyl chloride	4.720	41	239	1.150	ug/l #	66
16) Acetone	4.156	43	6164	4.360	ug/l #	76
17) Carbon Disulfide	4.415	76	4759	3.988	ug/l #	92
20) Methylene Chloride	4.967	84	33780	4.014	ug/l #	82
23) Vinyl Acetate	6.297	43	248	6.309	ug/l #	75
31) Cyclohexane	7.979	56	22624	2.282	ug/l #	30
36) 1,1-Dichloropropene	7.979	75	50154	5.680	ug/l #	53
38) Carbon Tetrachloride	7.967	117	68769	5.927	ug/l #	17
39) Methylcyclohexane	9.355	83	41619	6.006	ug/l	91
41) Methacrylonitrile	7.497	41	362	1.792	ug/l #	39
55) 1,1,2-Trichloroethane	10.767	97	10612	1.631	ug/l #	18
56) Ethyl methacrylate	10.667	69	4830	1.780	ug/l #	17
74) N-amyl acetate	12.255	43	18866	2.347	ug/l #	70
76) 1,2,3-Trichloropropane	12.620	75	240934	46.572	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	240934	114.279	ug/l #	7

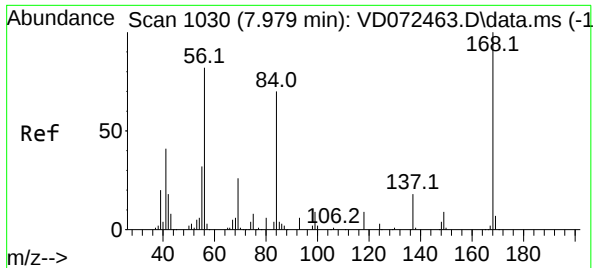
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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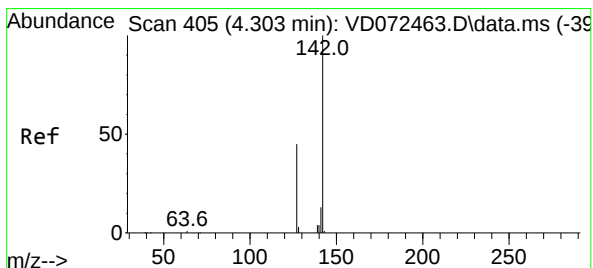
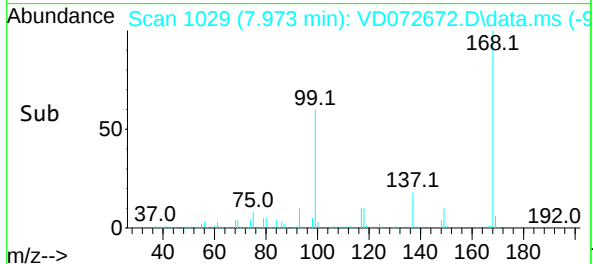
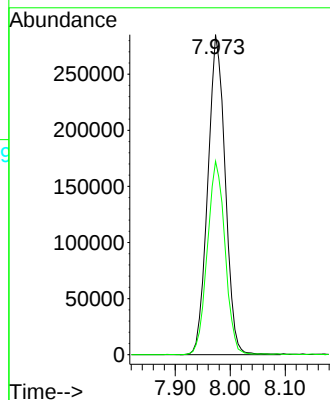
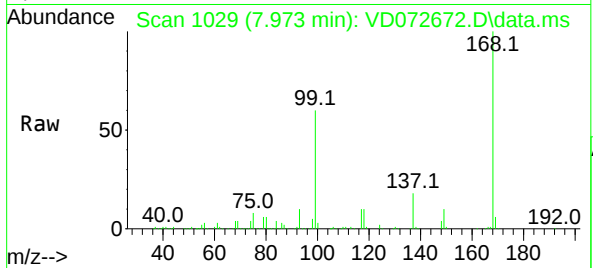




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

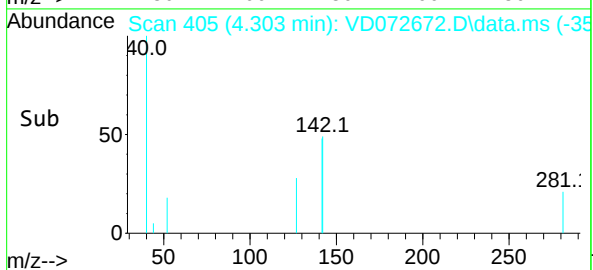
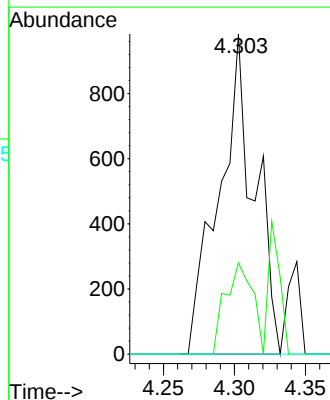
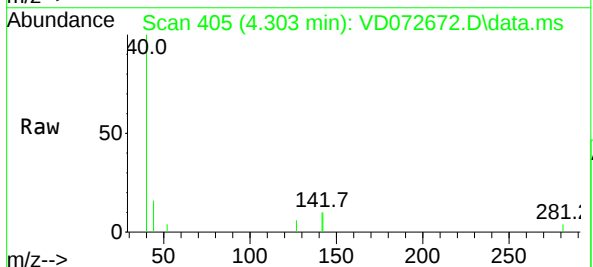
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

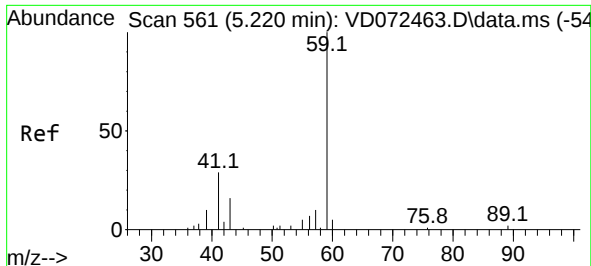
Tgt Ion:168 Resp: 626731
Ion Ratio Lower Upper
168 100
99 60.5 49.8 74.6



#10
Methyl Iodide
Concen: 3.966 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

Tgt Ion:142 Resp: 1705
Ion Ratio Lower Upper
142 100
127 21.9 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 22.524 ug/l

RT: 5.191 min Scan# 51

Delta R.T. -0.029 min

Lab File: VD072672.D

Acq: 21 Apr 2022 15:49

Instrument :

MSVOA_D

ClientSampleId :

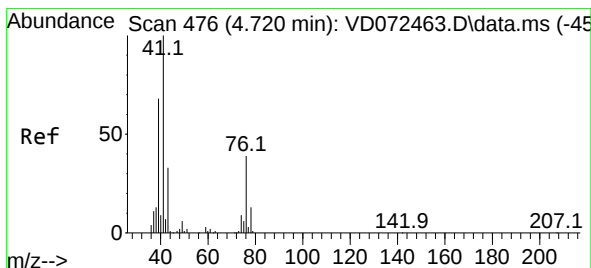
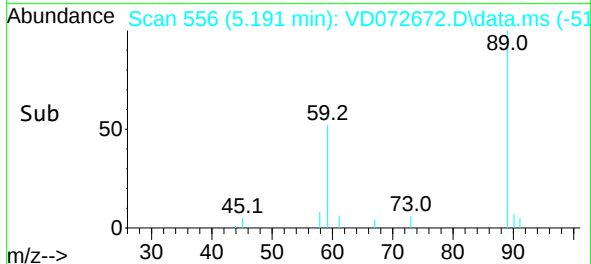
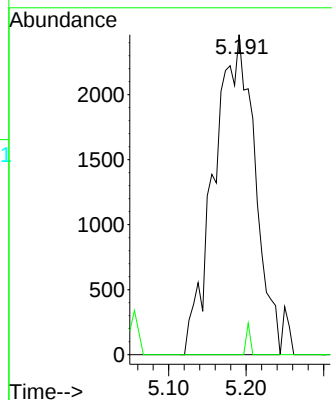
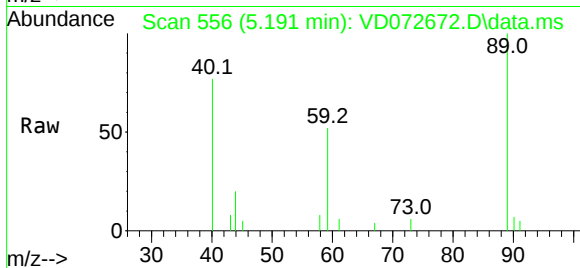
VIBLK

Tgt Ion: 59 Resp: 9018

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#14

Allyl chloride

Concen: 1.150 ug/l

RT: 4.720 min Scan# 476

Delta R.T. 0.000 min

Lab File: VD072672.D

Acq: 21 Apr 2022 15:49

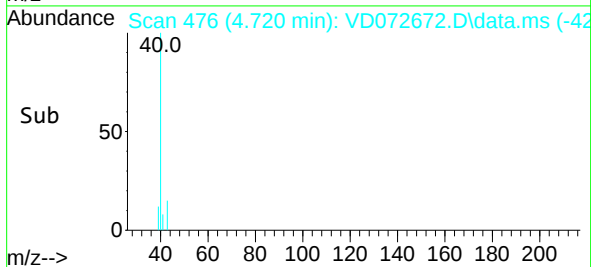
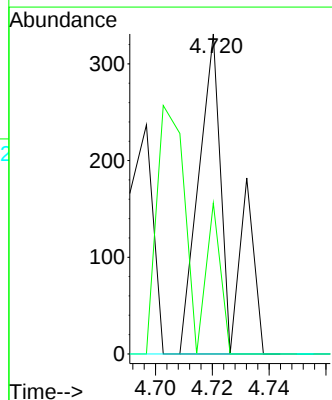
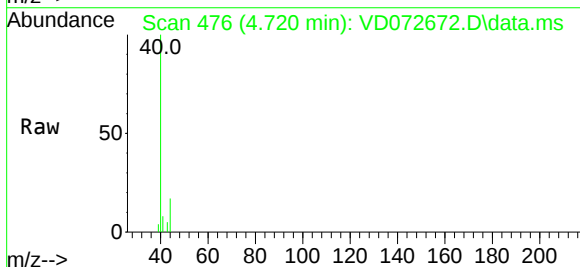
Tgt Ion: 41 Resp: 239

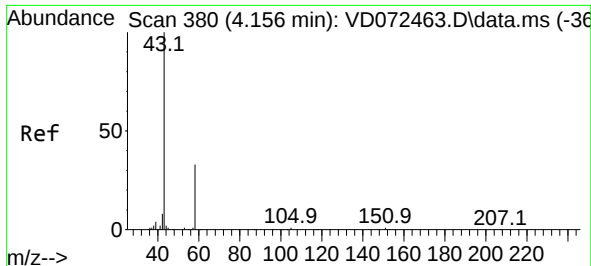
Ion Ratio Lower Upper

41 100

39 94.6 59.3 88.9#

76 0.0 25.7 38.5#

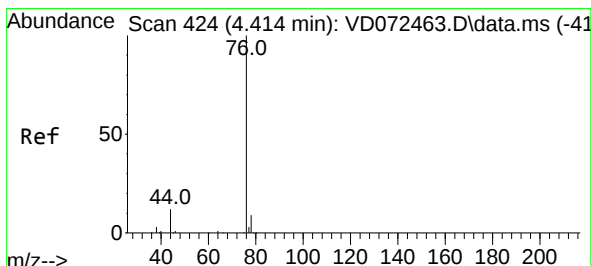
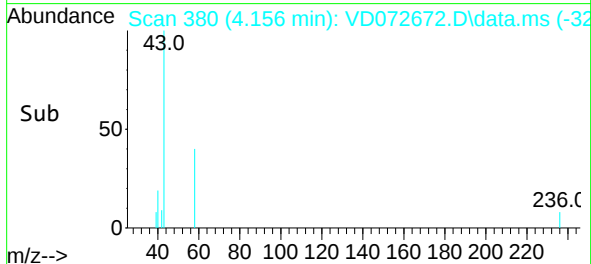
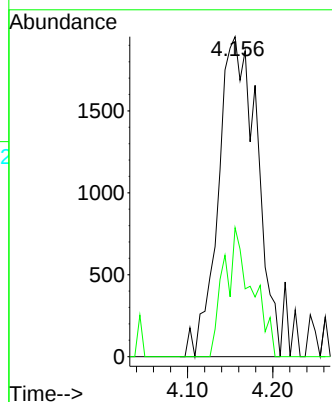
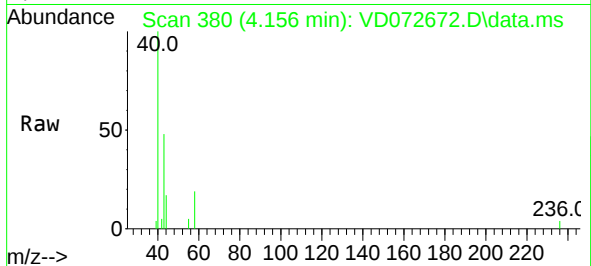




#16
Acetone
Concen: 4.360 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

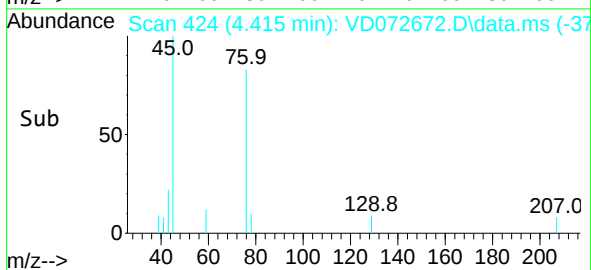
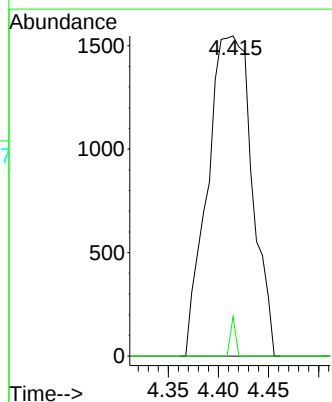
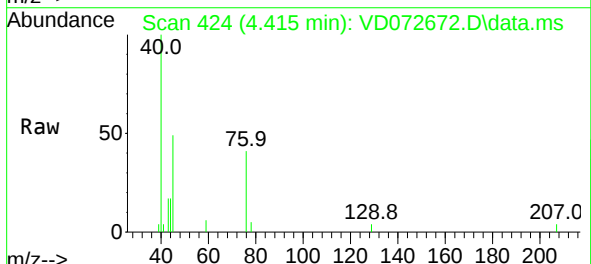
Instrument :
MSVOA_D
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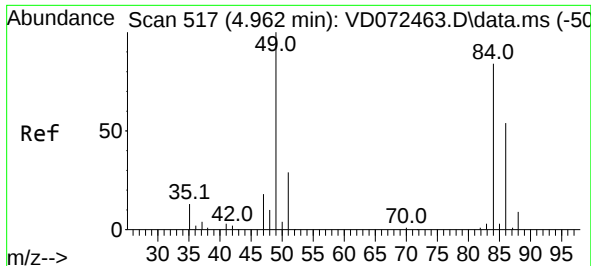
Tgt Ion: 43 Resp: 6164
Ion Ratio Lower Upper
43 100
58 40.3 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.988 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.001 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

Tgt Ion: 76 Resp: 4759
Ion Ratio Lower Upper
76 100
78 12.2 7.5 11.3#

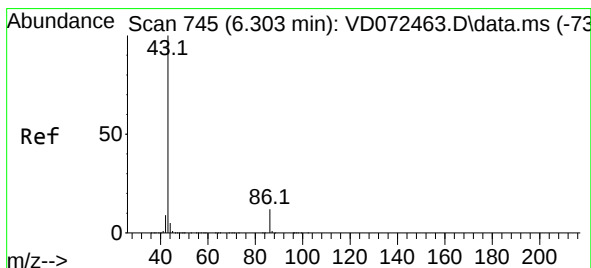
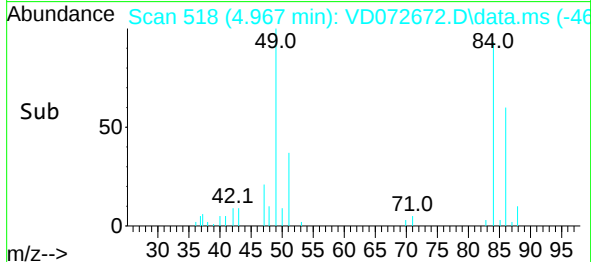
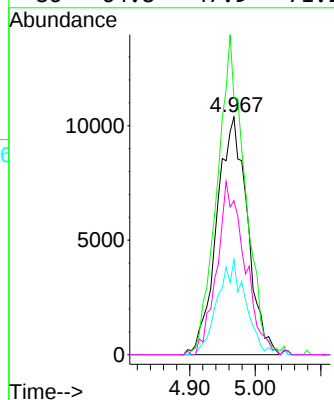
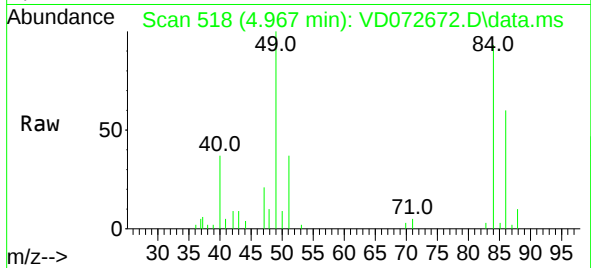




#20
Methylene Chloride
Concen: 4.014 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

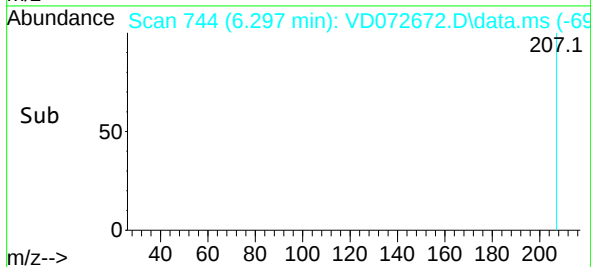
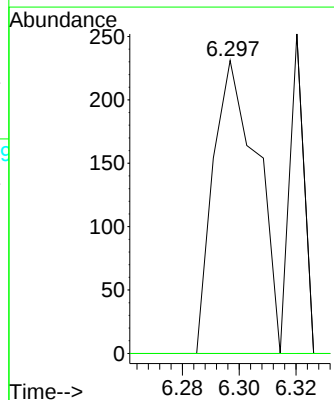
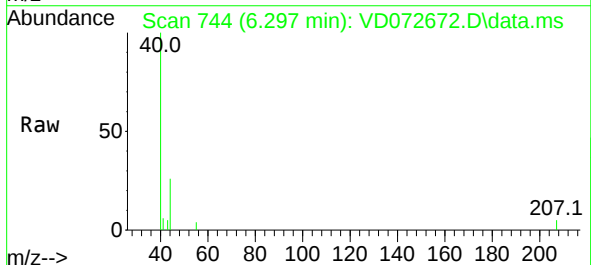
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

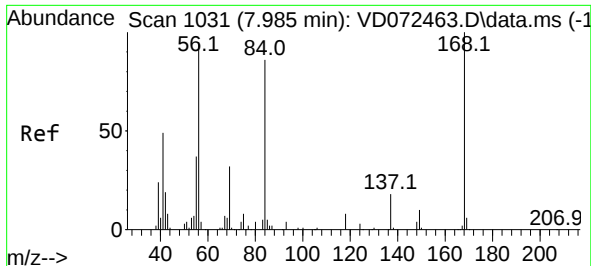
Tgt Ion: 84	Resp: 33780
Ion Ratio	Lower Upper
84 100	
49 108.1	112.8 169.2#
51 39.9	32.6 48.8
86 64.8	47.9 71.9



#23
Vinyl Acetate
Concen: 6.309 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

Tgt Ion: 43	Resp:	248	
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

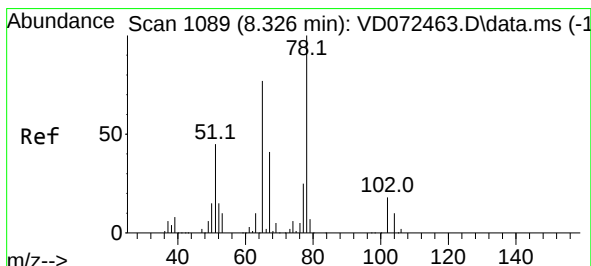
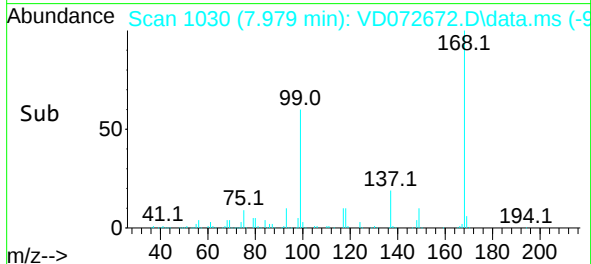
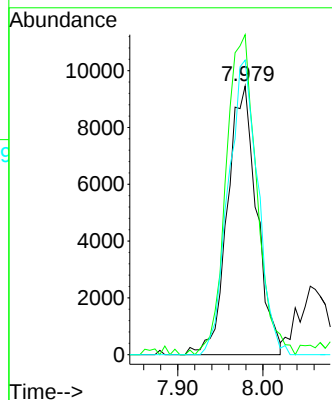
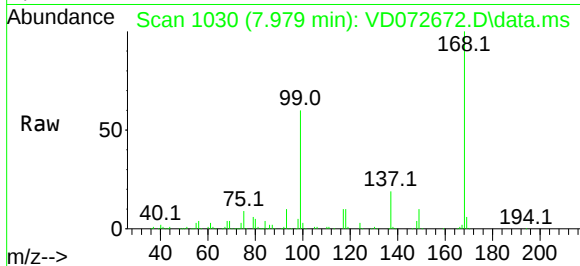




#31
Cyclohexane
Concen: 2.282 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

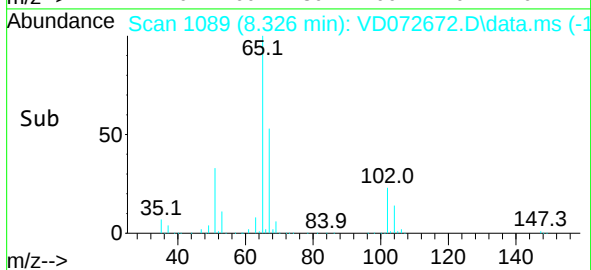
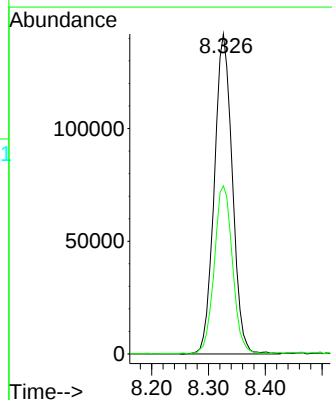
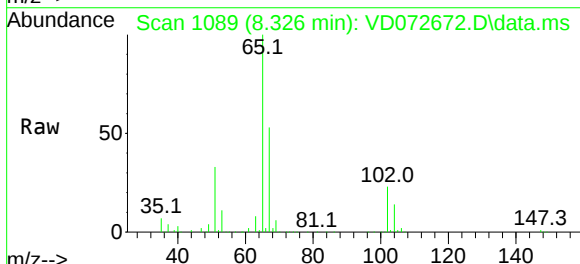
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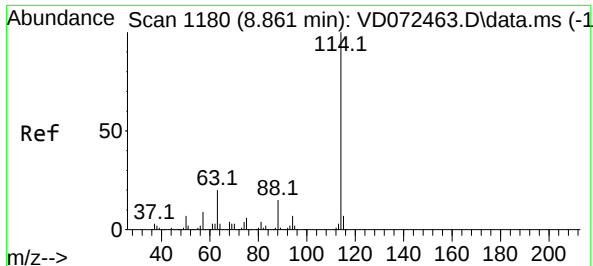
Tgt Ion: 56 Resp: 22624
Ion Ratio Lower Upper
56 100
69 119.1 25.4 38.2#
84 109.7 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 41.242 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

Tgt Ion: 65 Resp: 312681
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.4

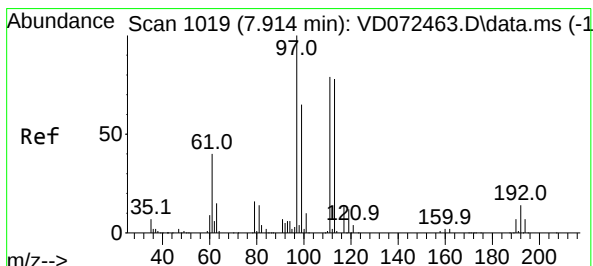
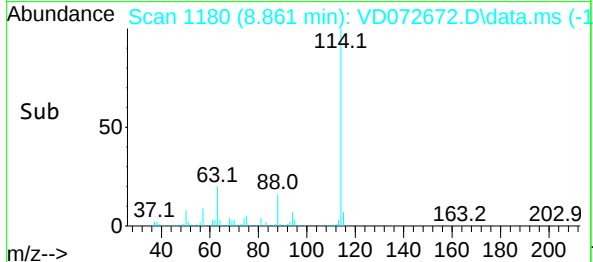
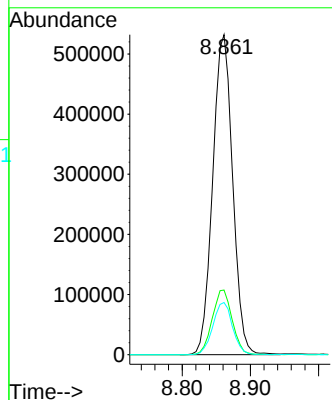
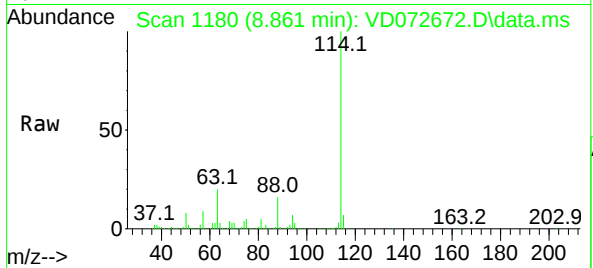




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

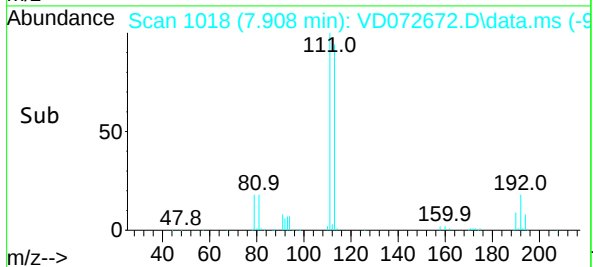
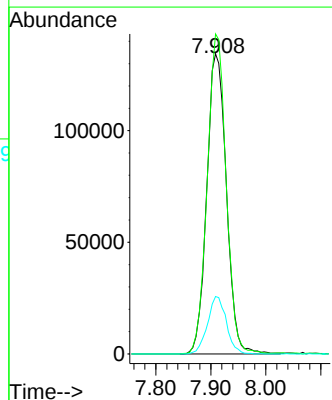
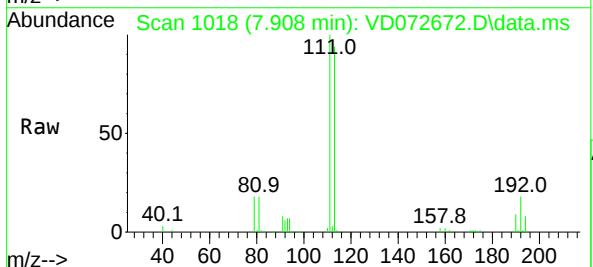
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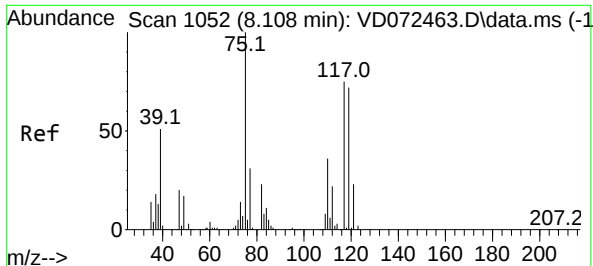
Tgt Ion:114 Resp: 1083629
Ion Ratio Lower Upper
114 100
63 20.2 0.0 46.6
88 16.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 39.655 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

Tgt Ion:113 Resp: 333949
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.6
192 18.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.680 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072672.D

Acq: 21 Apr 2022 15:49

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

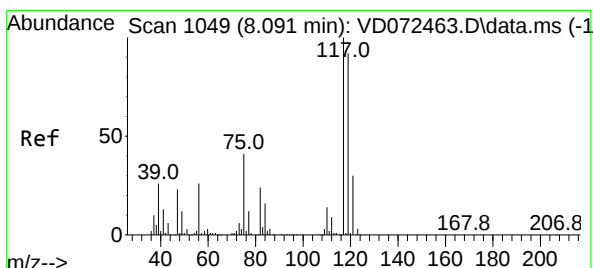
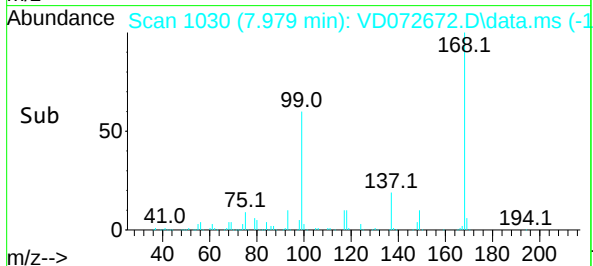
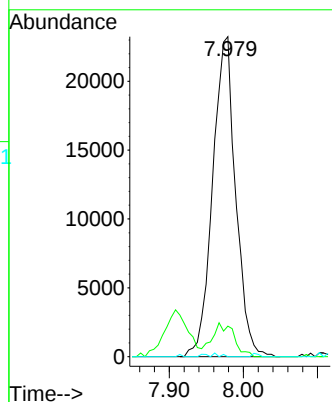
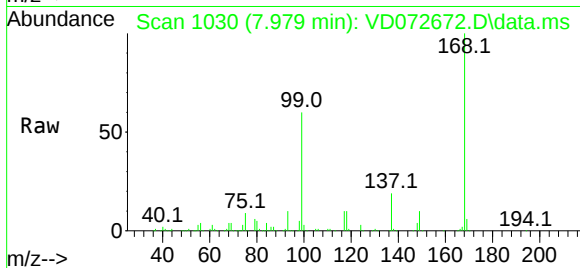
Tgt Ion: 75 Resp: 50154

Ion Ratio Lower Upper

75 100

110 10.0 16.4 49.1#

77 0.3 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.927 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.123 min

Lab File: VD072672.D

Acq: 21 Apr 2022 15:49

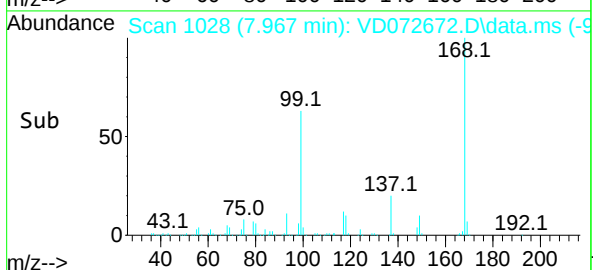
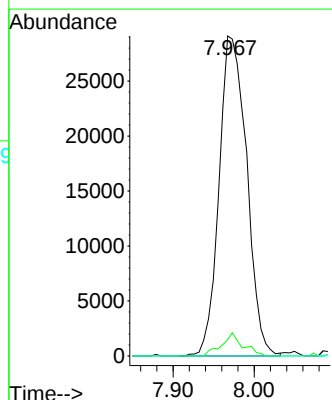
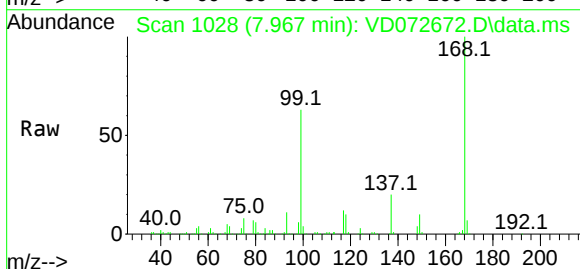
Tgt Ion: 117 Resp: 68769

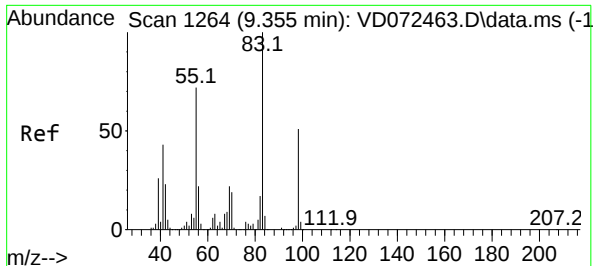
Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 6.006 ug/l

RT: 9.355 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD072672.D

Acq: 21 Apr 2022 15:49

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

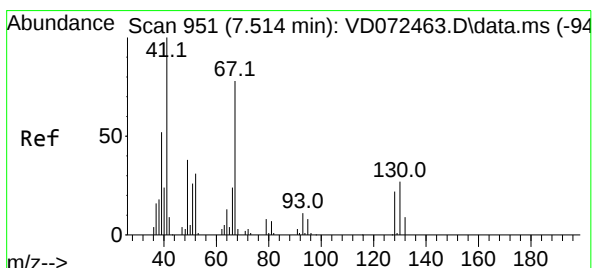
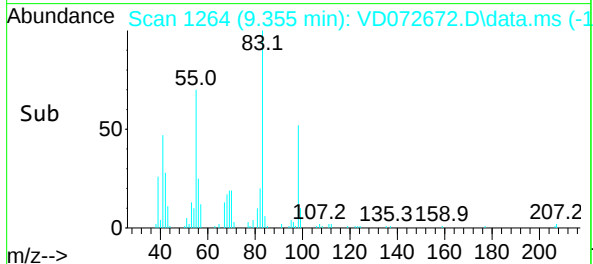
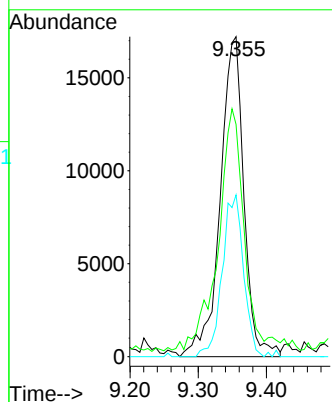
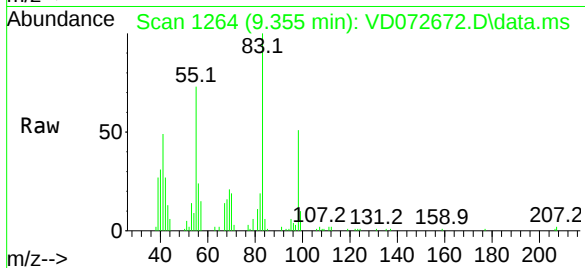
Tgt Ion: 83 Resp: 41619

Ion Ratio Lower Upper

83 100

55 68.3 63.2 94.8

98 50.6 38.2 57.4



#41

Methacrylonitrile

Concen: 1.792 ug/l

RT: 7.497 min Scan# 948

Delta R.T. -0.017 min

Lab File: VD072672.D

Acq: 21 Apr 2022 15:49

Tgt Ion: 41 Resp: 362

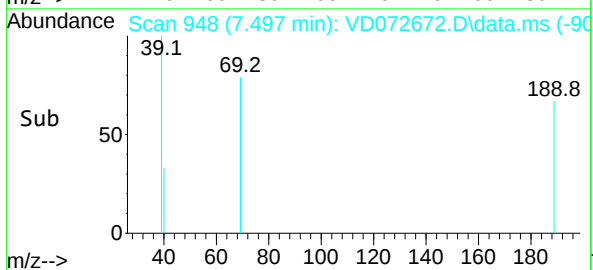
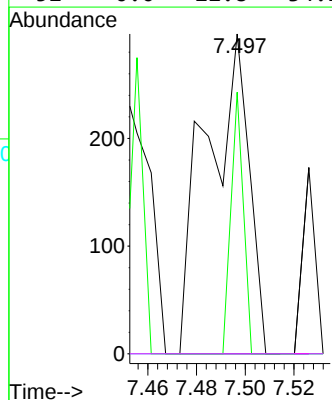
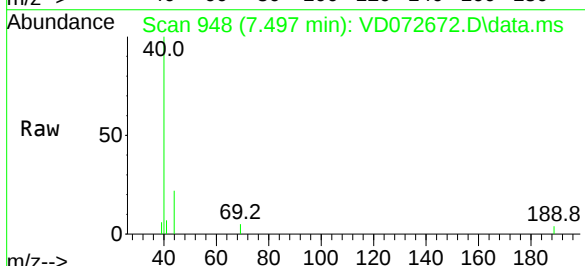
Ion Ratio Lower Upper

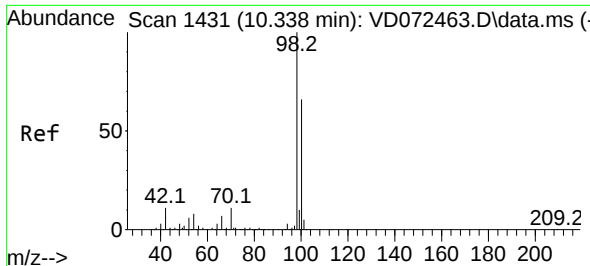
41 100

39 23.8 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

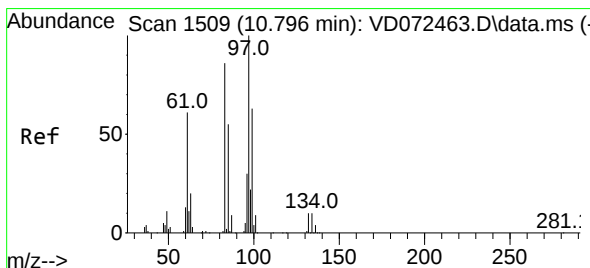
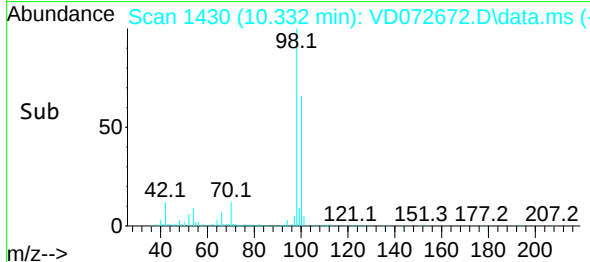
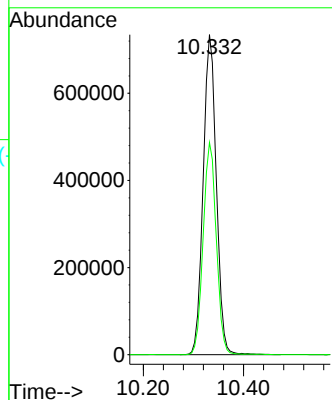
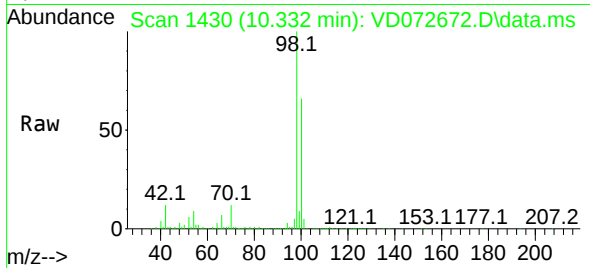




#50
Toluene-d8
Concen: 45.717 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

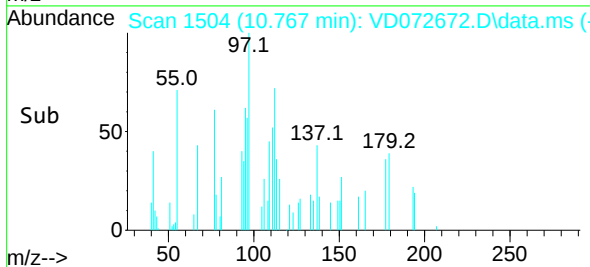
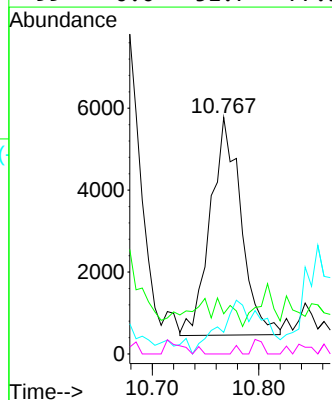
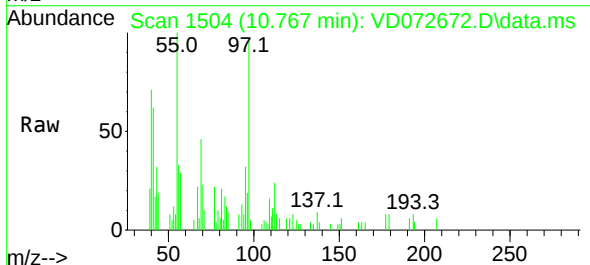
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

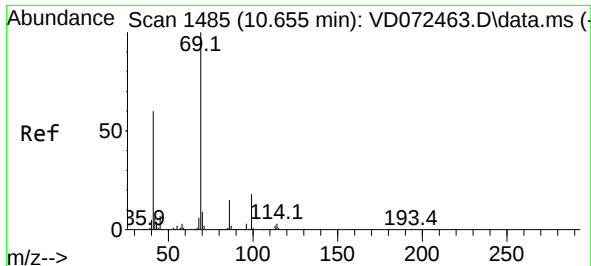
Tgt Ion: 98 Resp: 1338279
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 1.631 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

Tgt Ion: 97 Resp: 10612
Ion Ratio Lower Upper
97 100
83 3.3 69.0 103.4#
85 5.7 42.6 63.8#
99 0.0 51.7 77.5#

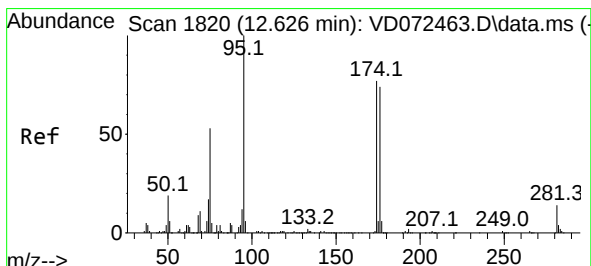
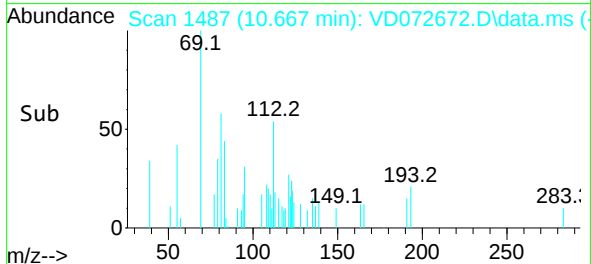
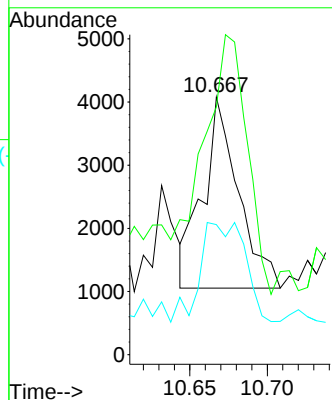
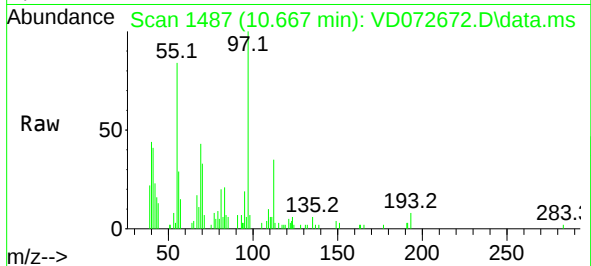




#56
Ethyl methacrylate
Concen: 1.780 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

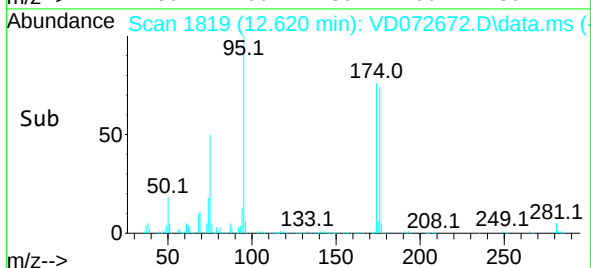
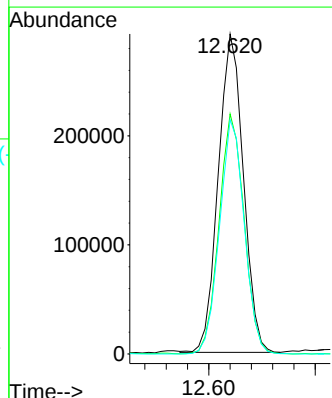
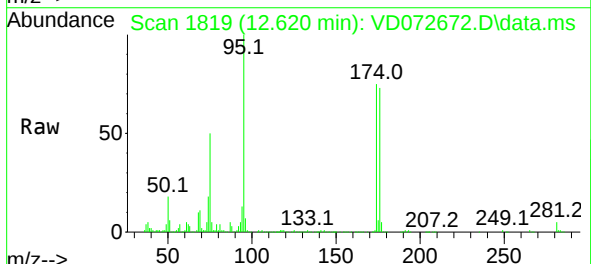
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

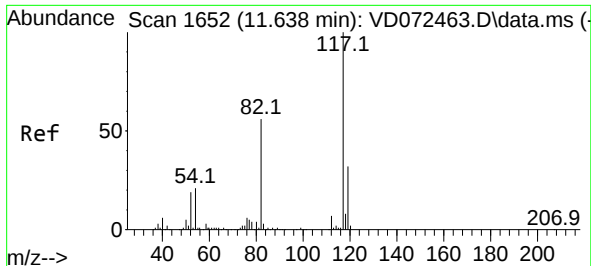
Tgt Ion: 69 Resp: 4830
Ion Ratio Lower Upper
69 100
41 170.9 63.0 94.6#
39 68.2 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 41.658 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

Tgt Ion: 95 Resp: 476247
Ion Ratio Lower Upper
95 100
174 75.3 0.0 152.8
176 72.6 0.0 145.4

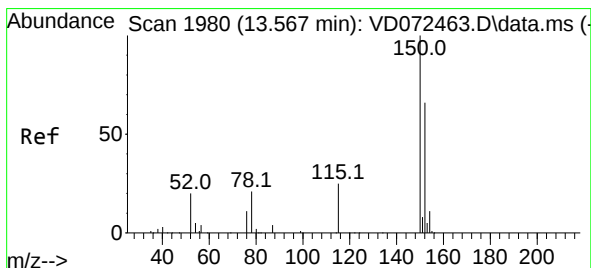
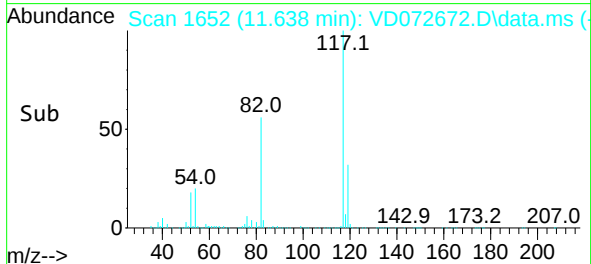
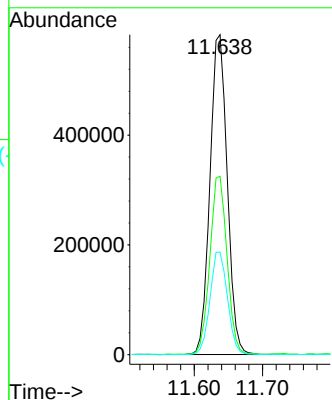
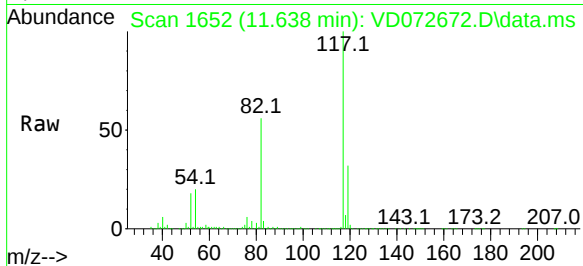




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

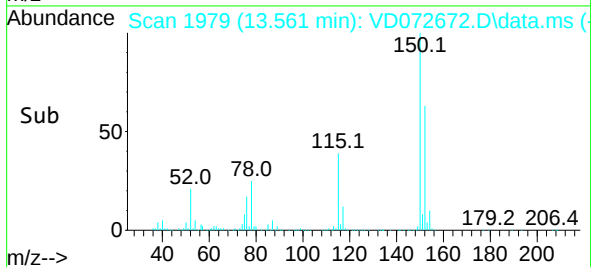
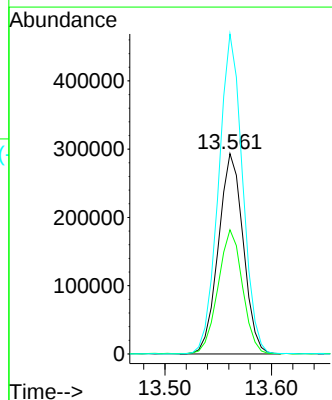
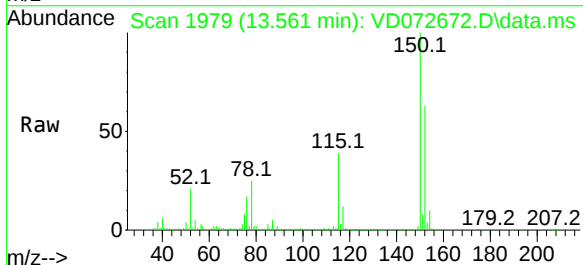
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

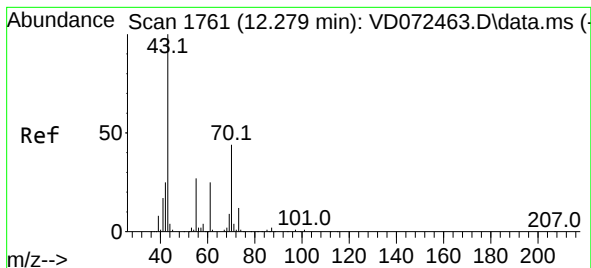
Tgt Ion:117 Resp: 1027973
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 32.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072672.D
Acq: 21 Apr 2022 15:49

Tgt Ion:152 Resp: 474332
Ion Ratio Lower Upper
152 100
115 61.1 31.3 93.8
150 154.9 0.0 348.6





#74

N-amy1 acetate

Concen: 2.347 ug/l

RT: 12.255 min Scan# 1

Delta R.T. -0.024 min

Lab File: VD072672.D

Acq: 21 Apr 2022 15:49

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

Tgt Ion: 43 Resp: 18866

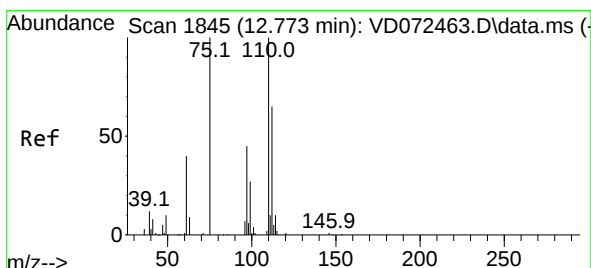
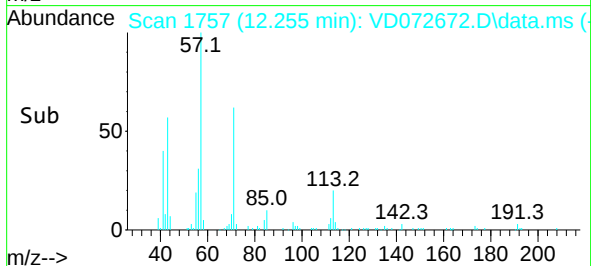
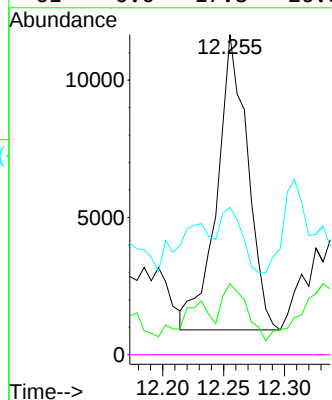
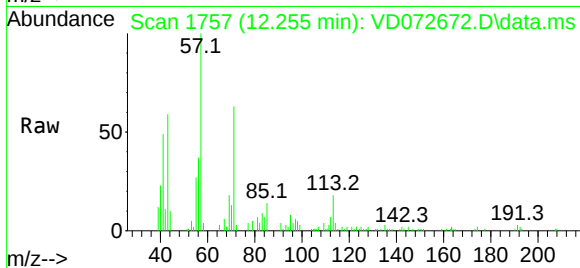
Ion Ratio Lower Upper

43 100

70 15.2 31.3 46.9#

55 25.7 20.0 30.0

61 0.0 17.8 26.8#



#76

1,2,3-Trichloropropane

Concen: 46.572 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072672.D

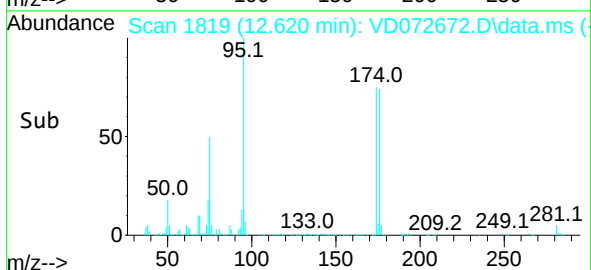
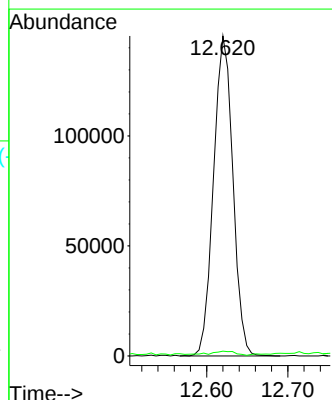
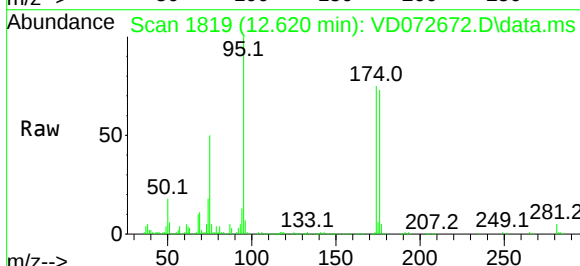
Acq: 21 Apr 2022 15:49

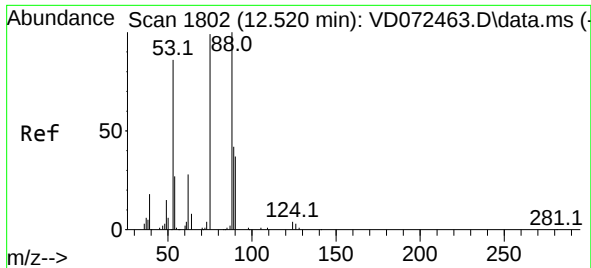
Tgt Ion: 75 Resp: 240934

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.279 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072672.D
 Acq: 21 Apr 2022 15:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 240934
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.2 33.9 50.9#

