

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072417.D
 Acq On : 24 Mar 2022 19:39
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Mar 25 02:58:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	465323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	768749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	885021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	457689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	203803	39.300	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.600%		
35) Dibromofluoromethane	7.914	113	222865	41.197	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.400%		
50) Toluene-d8	10.338	98	1020178	51.574	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.140%		
62) 4-Bromofluorobenzene	12.626	95	467437	60.817	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	121.640%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.315	142	327	2.292	ug/l #	38
16) Acetone	4.144	43	3245	2.882	ug/l	93
17) Carbon Disulfide	4.409	76	1990	1.694	ug/l #	74
18) Methyl Acetate	4.938	43	5197	1.884	ug/l #	55
20) Methylene Chloride	4.968	84	22760	Below Cal		86
31) Cyclohexane	7.979	56	13565	1.674	ug/l #	15
36) 1,1-Dichloropropene	7.973	75	37791	4.980	ug/l #	52
38) Carbon Tetrachloride	7.973	117	47483	5.504	ug/l #	17
39) Methylcyclohexane	9.320	83	34146	3.998	ug/l #	39
43) Isopropyl Acetate	8.450	43	7572	1.174	ug/l #	54
55) 1,1,2-Trichloroethane	10.773	97	126131	28.347	ug/l #	20
56) Ethyl methacrylate	10.679	69	72281	13.869	ug/l #	23
59) 2-Hexanone	10.944	43	232602	99.374	ug/l #	31
74) N-amyl acetate	12.261	43	212201	27.225	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.702	83	20056	3.092	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	230789	45.712	ug/l #	100
78) n-propylbenzene	12.808	91	53447	1.213	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	230789	113.417	ug/l #	9

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

Quant Time: Mar 25 02:58:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

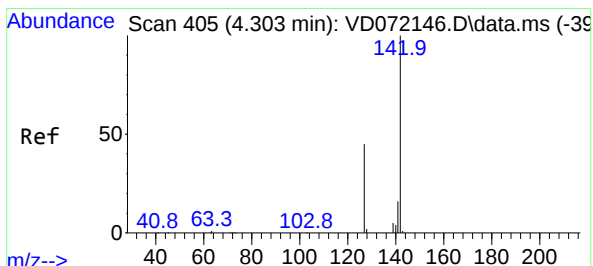
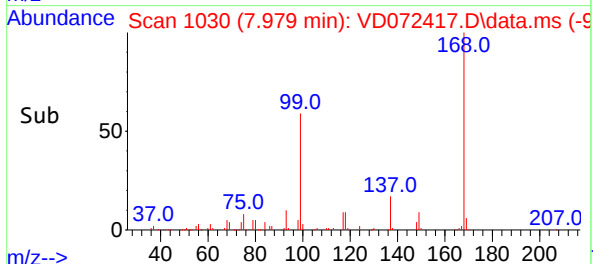
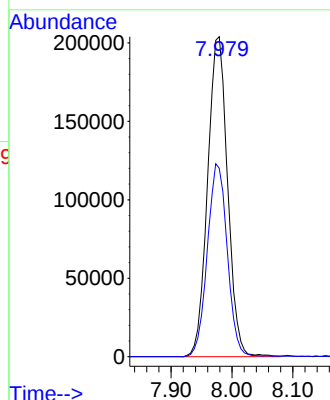
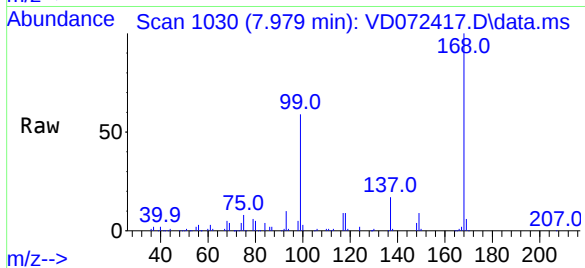




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

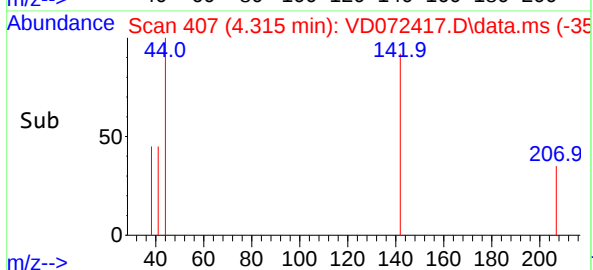
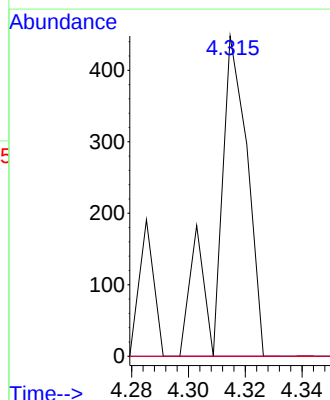
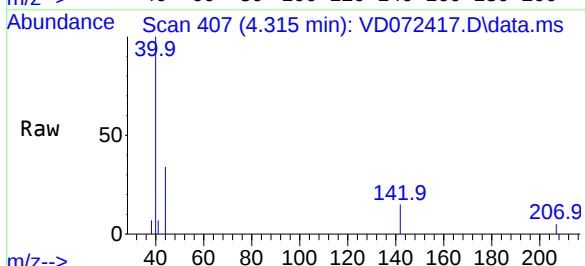
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 465323
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#10
Methyl Iodide
Concen: 2.292 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion:142 Resp: 327
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

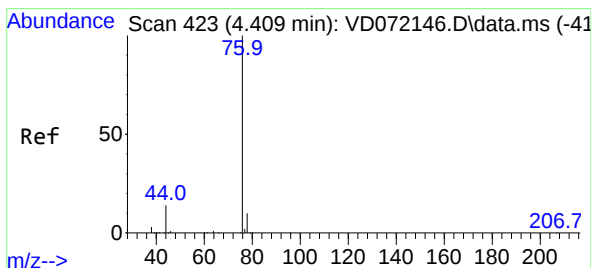
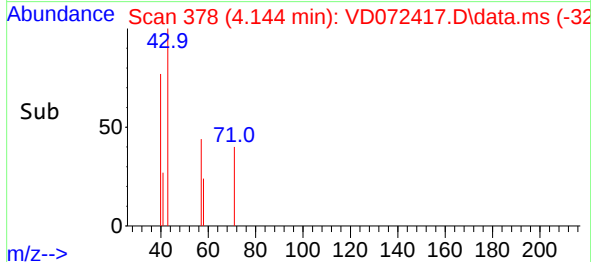
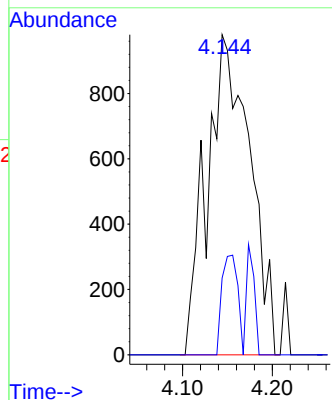
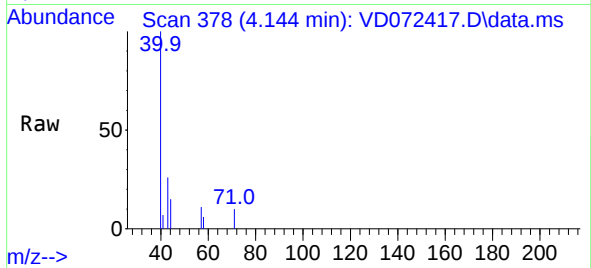




#16
Acetone
Concen: 2.882 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

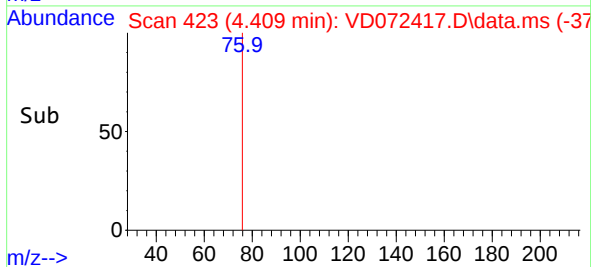
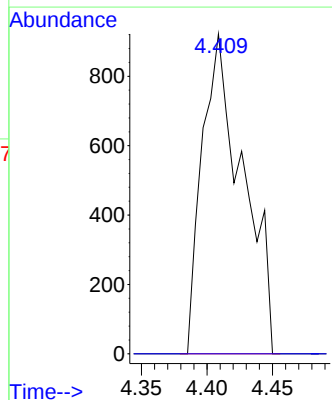
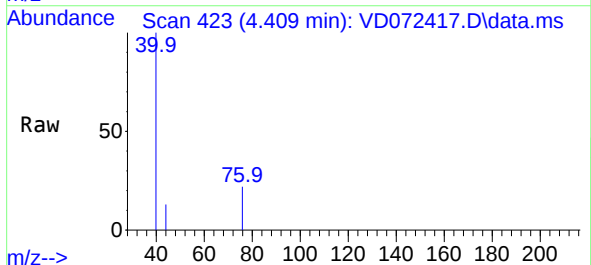
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

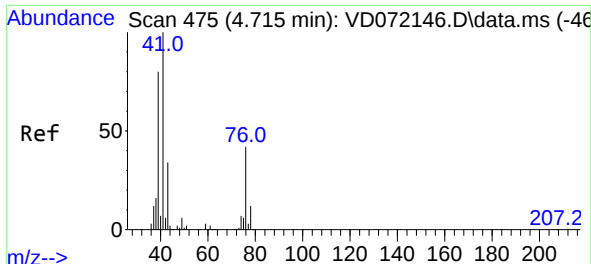
Tgt Ion: 43 Resp: 3245
Ion Ratio Lower Upper
43 100
58 24.0 22.1 33.1



#17
Carbon Disulfide
Concen: 1.694 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion: 76 Resp: 1990
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#18

Methyl Acetate

Concen: 1.884 ug/l

RT: 4.938 min Scan# 513

Delta R.T. 0.224 min

Lab File: VD072417.D

Acq: 24 Mar 2022 19:39

Instrument :

MSVOA_D

ClientSampleId :

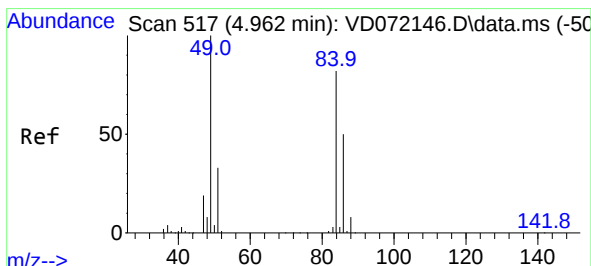
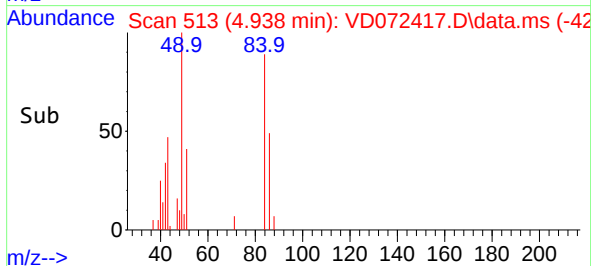
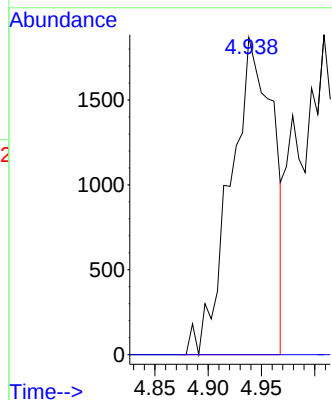
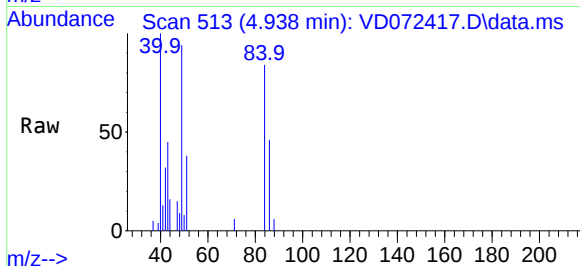
VIBLK

Tgt Ion: 43 Resp: 5197

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.968 min Scan# 518

Delta R.T. 0.006 min

Lab File: VD072417.D

Acq: 24 Mar 2022 19:39

Tgt Ion: 84 Resp: 22760

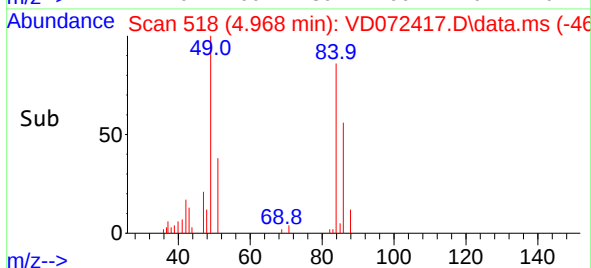
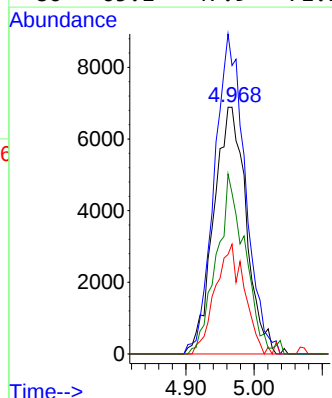
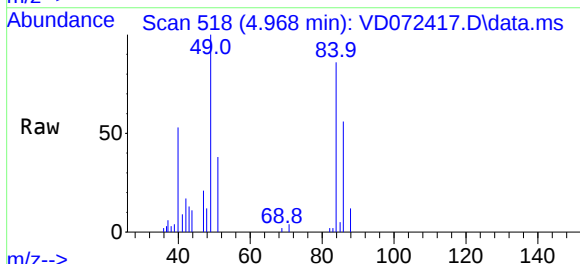
Ion Ratio Lower Upper

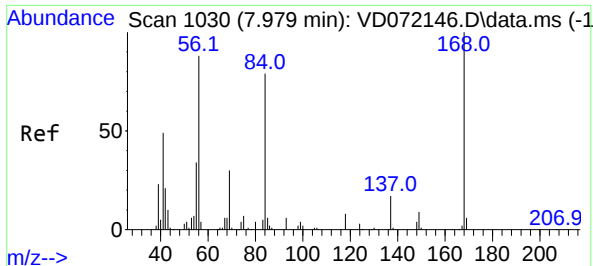
84 100

49 116.9 112.8 169.2

51 44.5 32.6 48.8

86 65.1 47.9 71.9

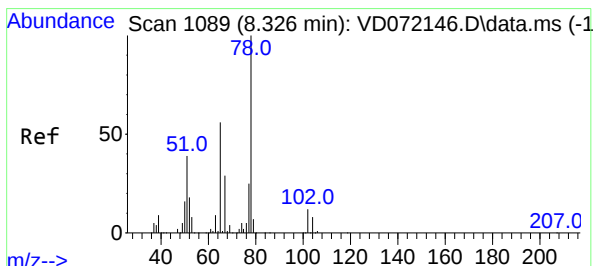
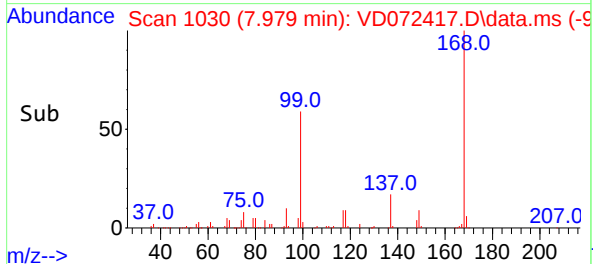
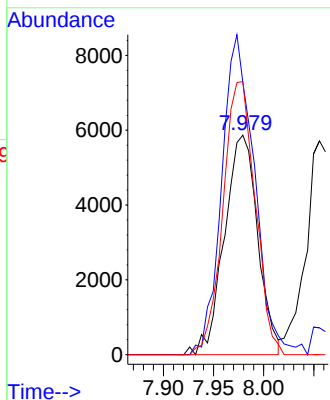
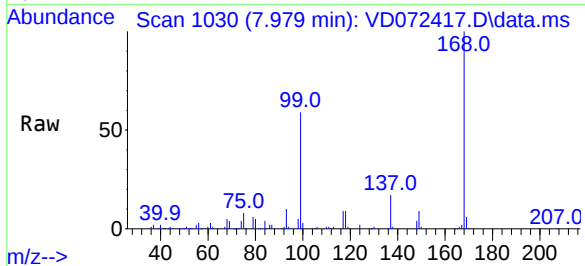




#31
Cyclohexane
Concen: 1.674 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

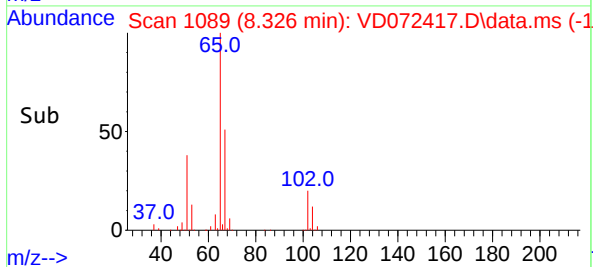
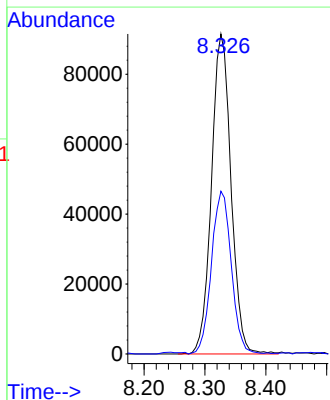
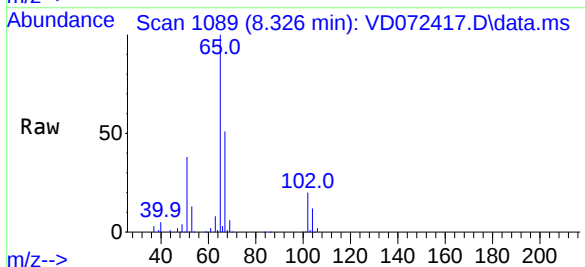
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

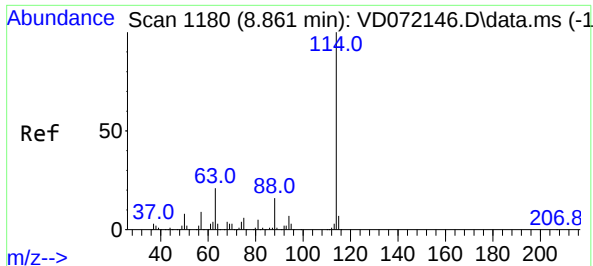
Tgt Ion: 56 Resp: 13565
Ion Ratio Lower Upper
56 100
69 124.0 25.4 38.2#
84 124.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 39.300 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion: 65 Resp: 203803
Ion Ratio Lower Upper
65 100
67 51.7 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: VD072417.D

Acq: 24 Mar 2022 19:39

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

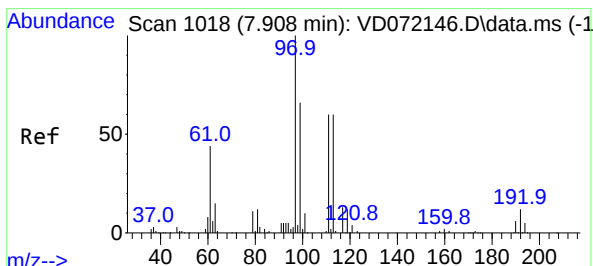
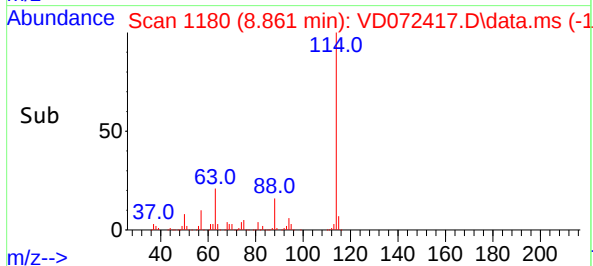
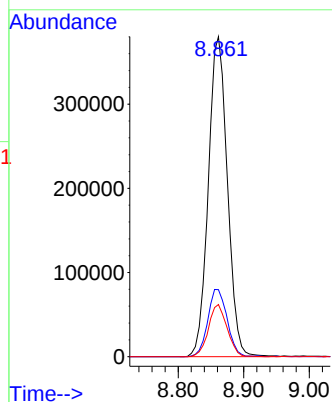
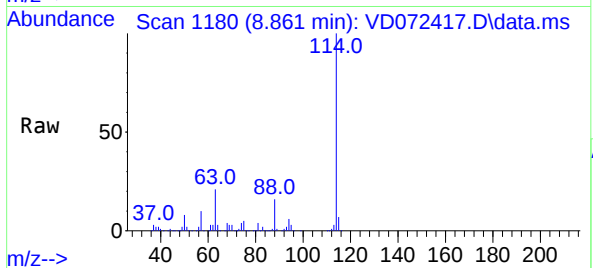
Tgt Ion:114 Resp: 768749

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 41.197 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072417.D

Acq: 24 Mar 2022 19:39

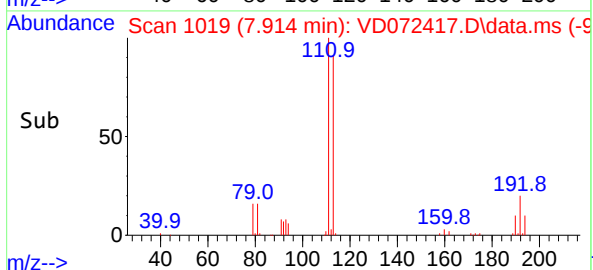
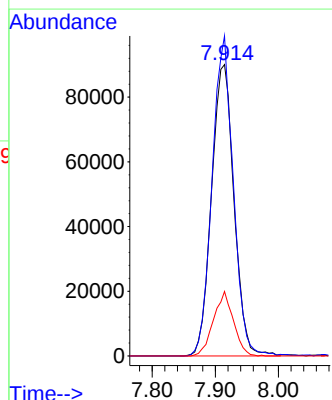
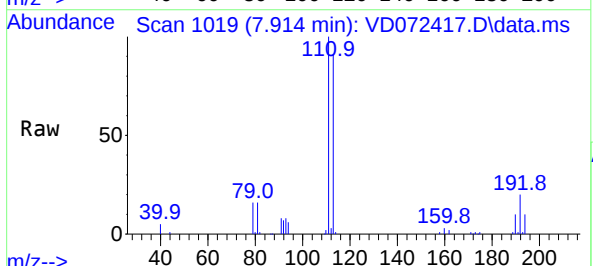
Tgt Ion:113 Resp: 222865

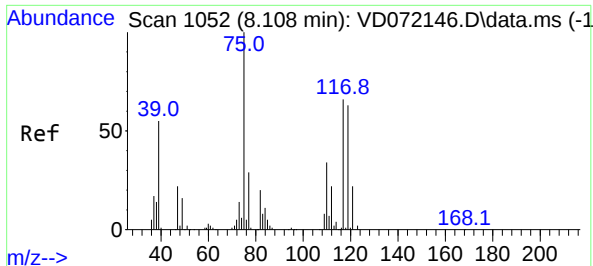
Ion Ratio Lower Upper

113 100

111 103.4 83.8 125.6

192 19.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.980 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072417.D

Acq: 24 Mar 2022 19:39

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

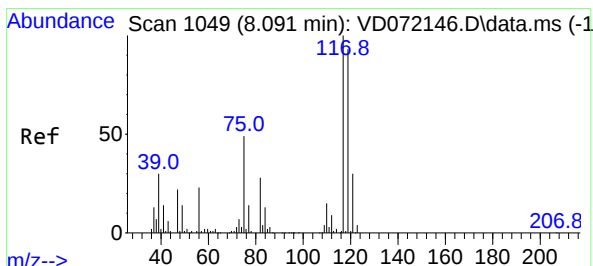
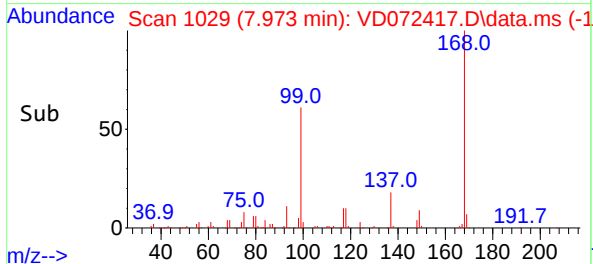
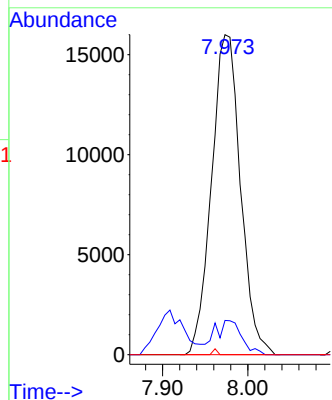
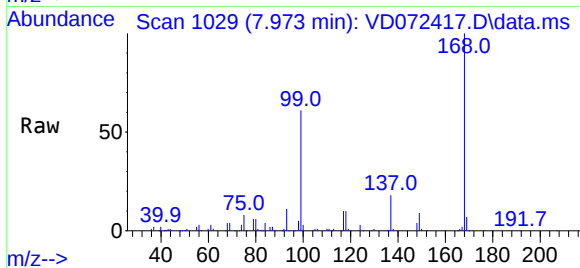
Tgt Ion: 75 Resp: 37791

Ion Ratio Lower Upper

75 100

110 9.8 16.4 49.1#

77 0.3 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.504 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072417.D

Acq: 24 Mar 2022 19:39

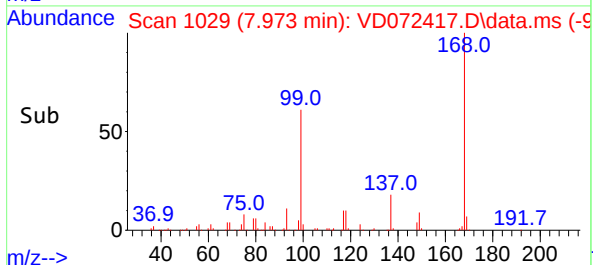
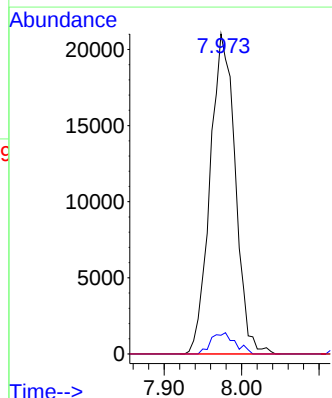
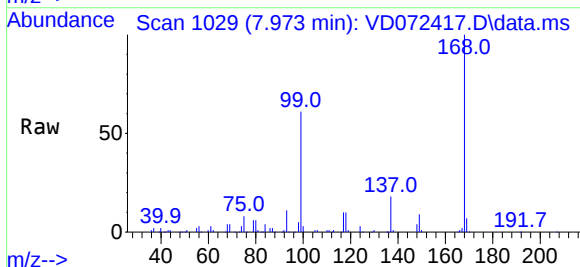
Tgt Ion: 117 Resp: 47483

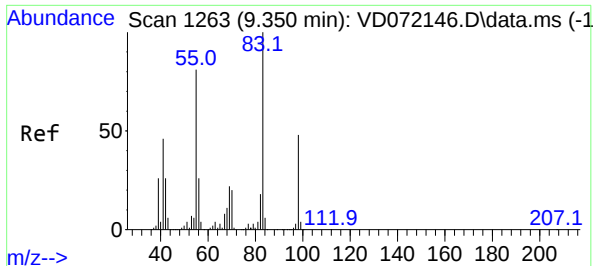
Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

121 0.0 24.5 36.7#

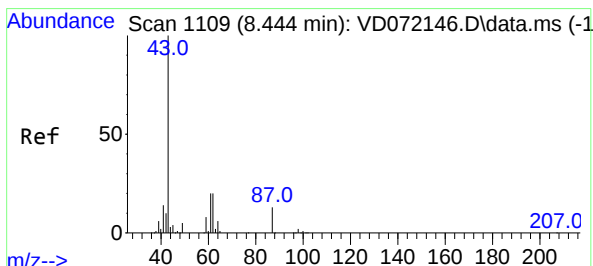
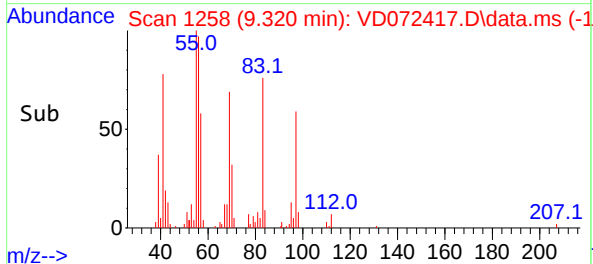
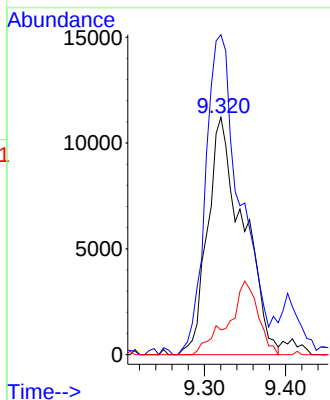
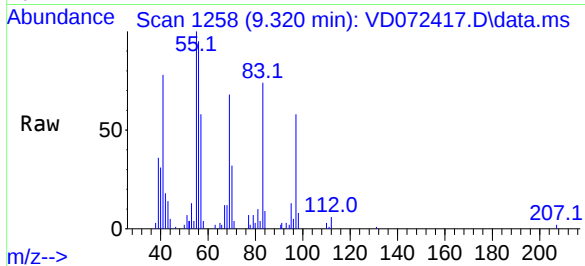




#39
Methylcyclohexane
Concen: 3.998 ug/l
RT: 9.320 min Scan# 1110
Delta R.T. -0.029 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

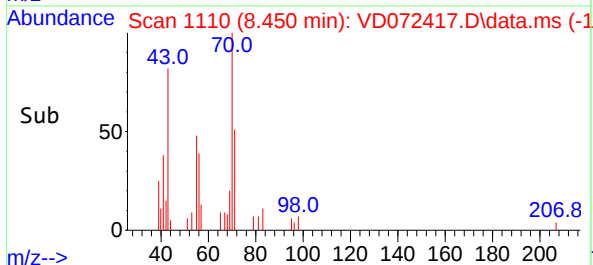
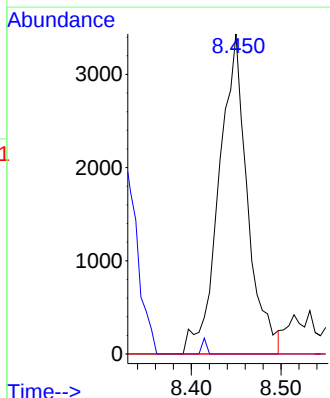
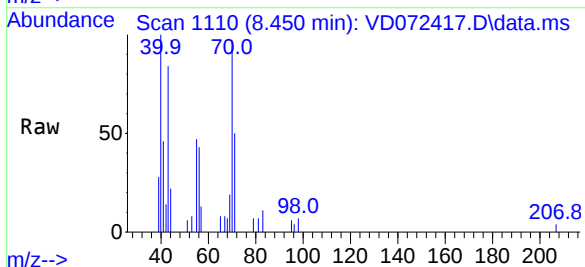
Instrument :
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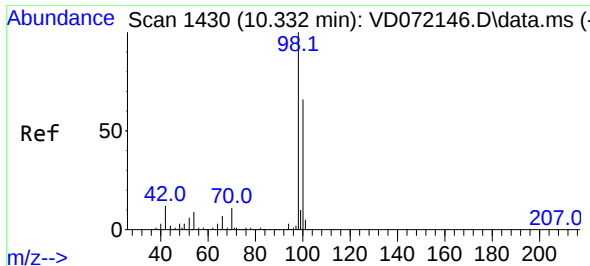
Tgt Ion: 83 Resp: 34146
Ion Ratio Lower Upper
83 100
55 134.9 63.2 94.8#
98 10.5 38.2 57.4#



#43
Isopropyl Acetate
Concen: 1.174 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion: 43 Resp: 7572
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 8.7 13.1#

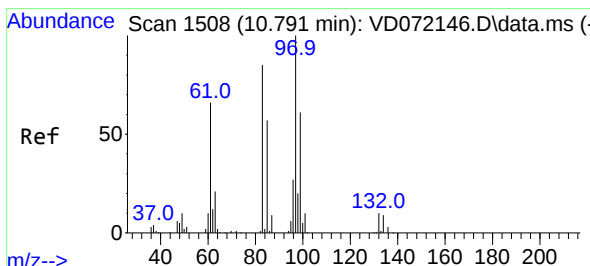
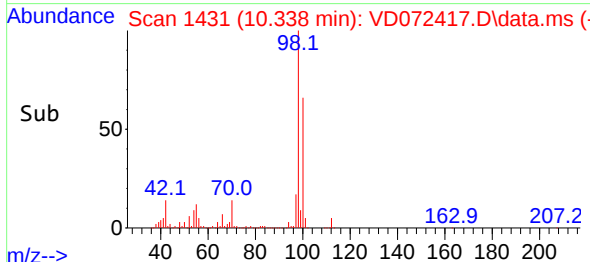
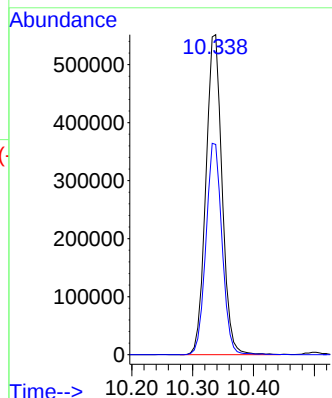
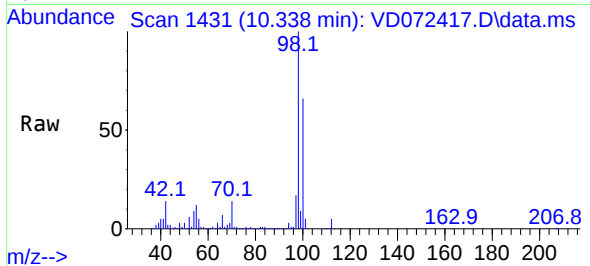




#50
Toluene-d8
Concen: 51.574 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

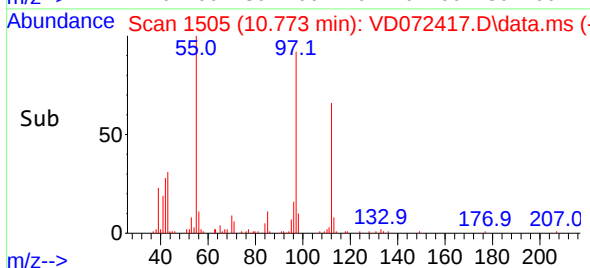
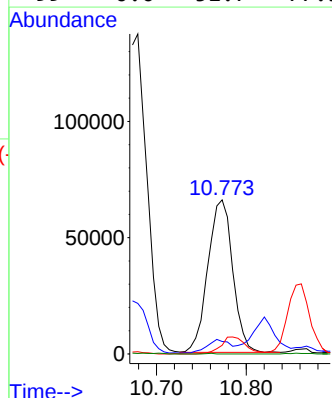
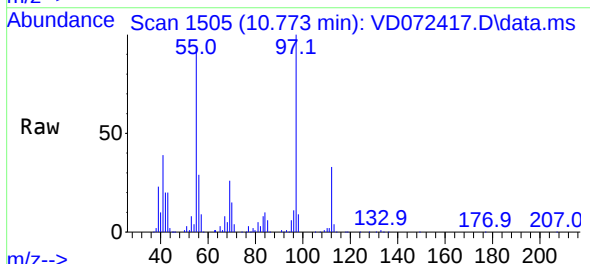
Instrument :
MSVOA_D
ClientSampleId :
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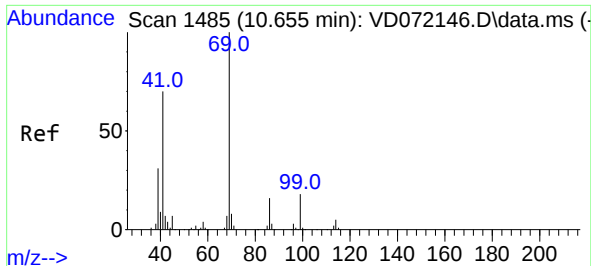
Tgt Ion: 98 Resp: 1020178
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 28.347 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.018 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion: 97 Resp: 126131
Ion Ratio Lower Upper
97 100
83 7.7 69.0 103.4#
85 5.7 42.6 63.8#
99 0.0 51.7 77.5#

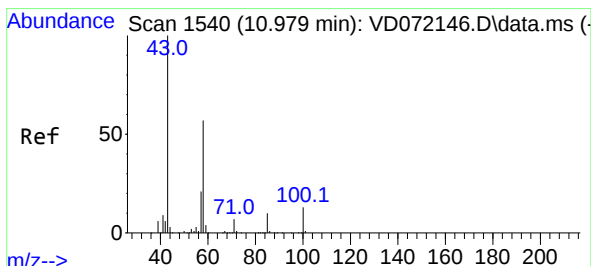
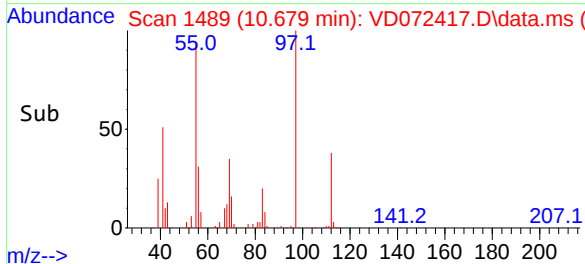
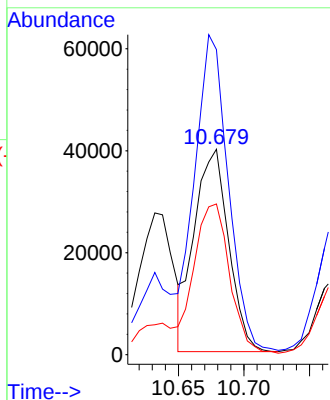
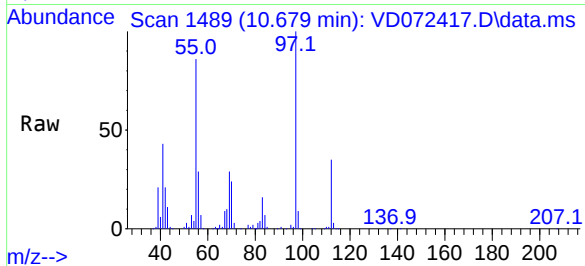




#56
Ethyl methacrylate
Concen: 13.869 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

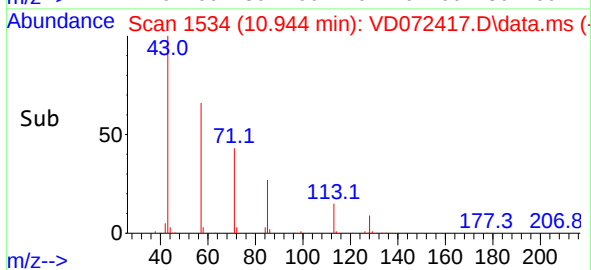
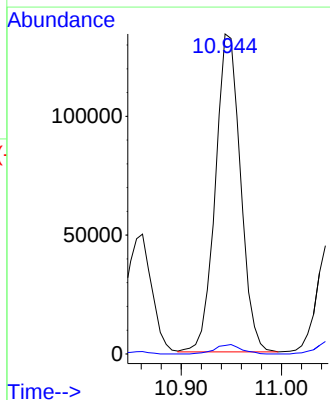
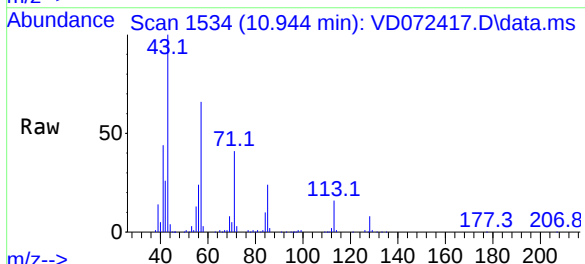
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

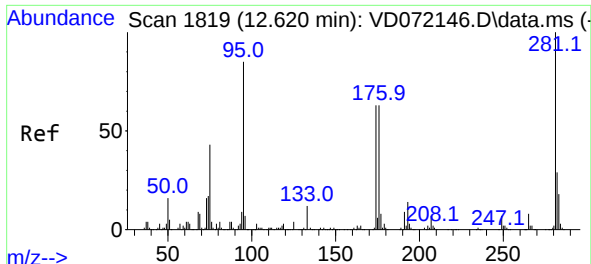
Tgt Ion: 69 Resp: 72281
Ion Ratio Lower Upper
69 100
41 155.9 63.0 94.6#
39 78.0 33.8 50.8#



#59
2-Hexanone
Concen: 99.374 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion: 43 Resp: 232602
Ion Ratio Lower Upper
43 100
58 3.1 25.3 75.9#

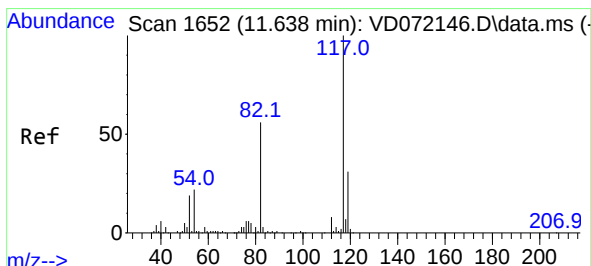
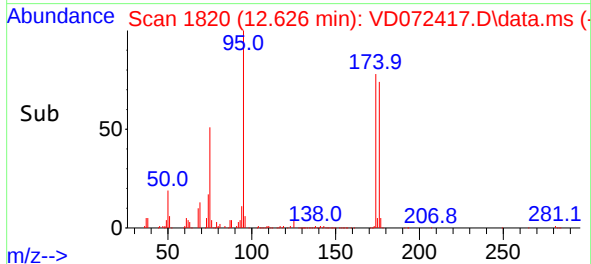
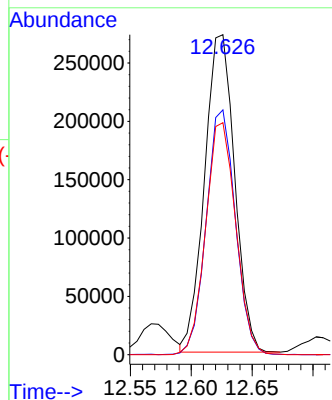
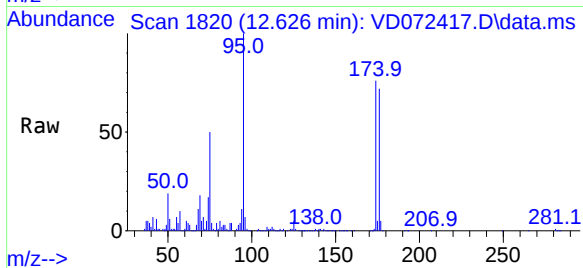




#62
4-Bromofluorobenzene
Concen: 60.817 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

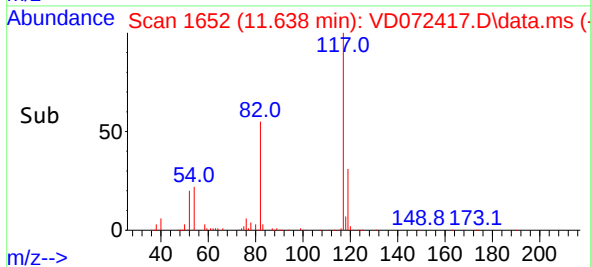
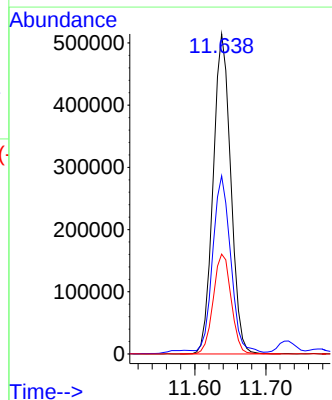
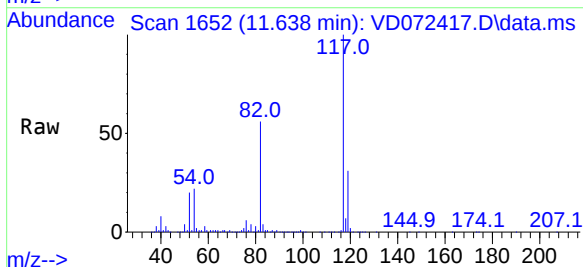
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

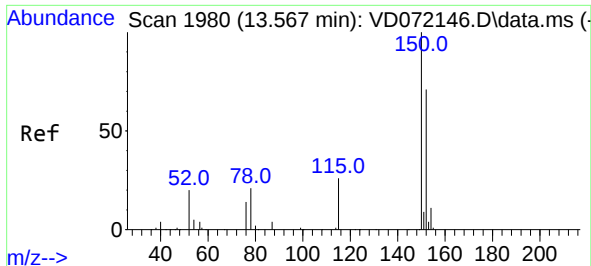
Tgt Ion: 95 Resp: 467437
Ion Ratio Lower Upper
95 100
174 74.6 0.0 152.8
176 73.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion: 117 Resp: 885021
Ion Ratio Lower Upper
117 100
82 54.6 45.3 67.9
119 31.2 26.6 40.0

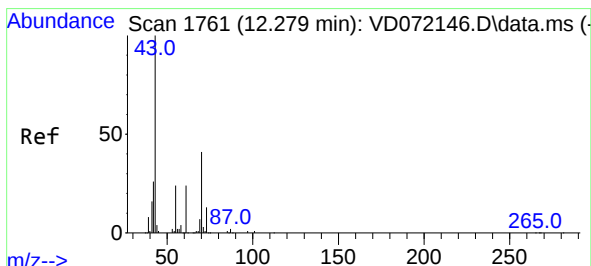
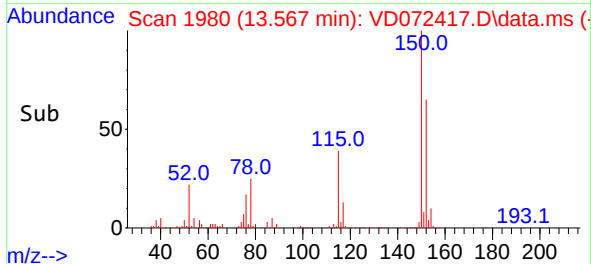
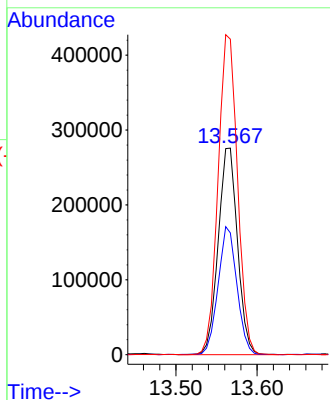
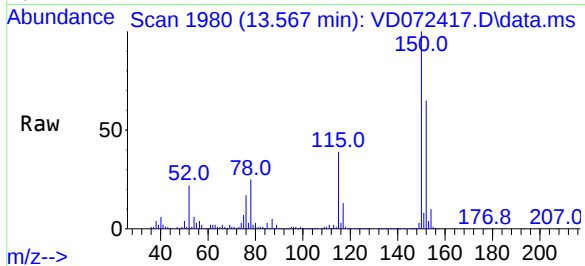




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

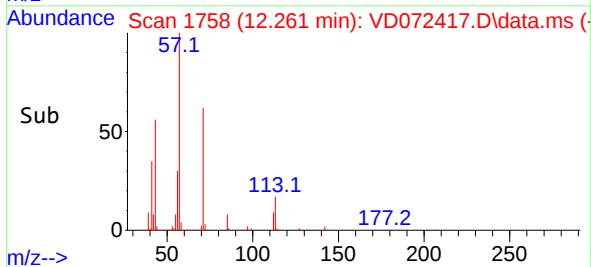
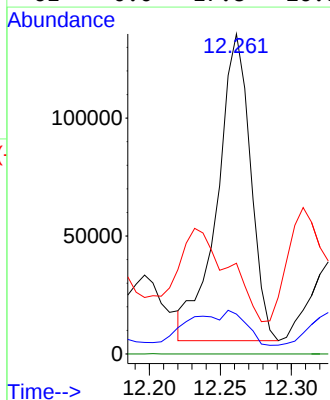
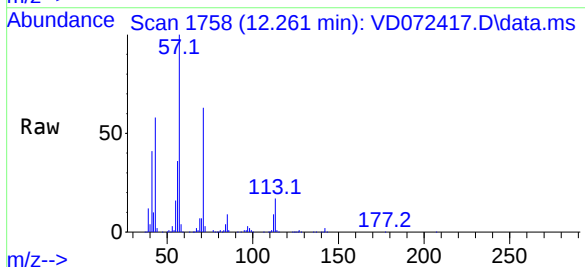
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

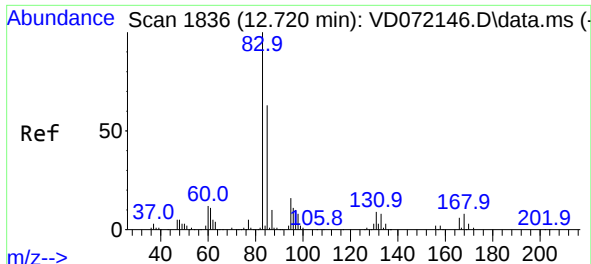
Tgt Ion:152 Resp: 457689
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 155.4 0.0 348.6



#74
N-ethyl acetate
Concen: 27.225 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion: 43 Resp: 212201
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

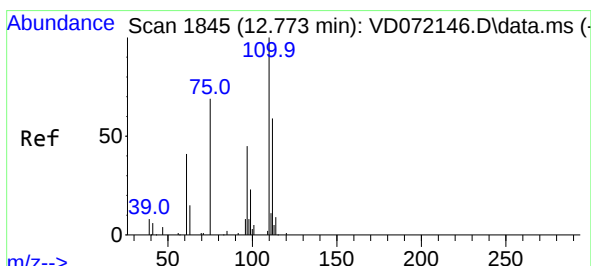
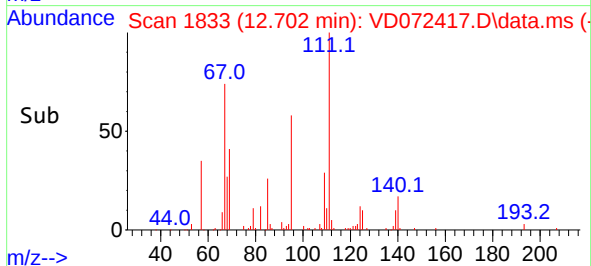
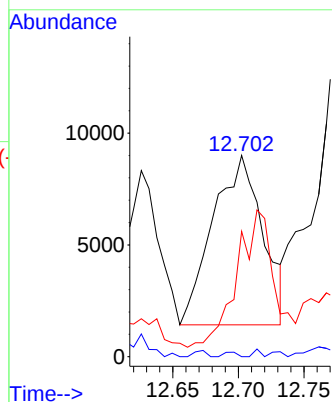
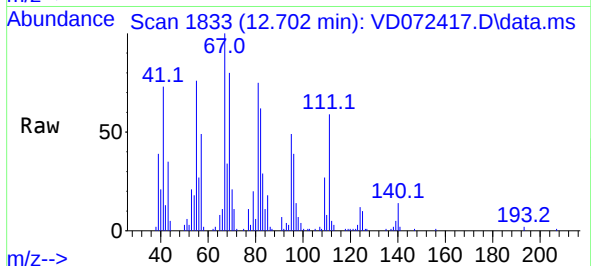




#75
1,1,2,2-Tetrachloroethane
Concen: 3.092 ug/l
RT: 12.702 min Scan# 1836
Delta R.T. -0.018 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

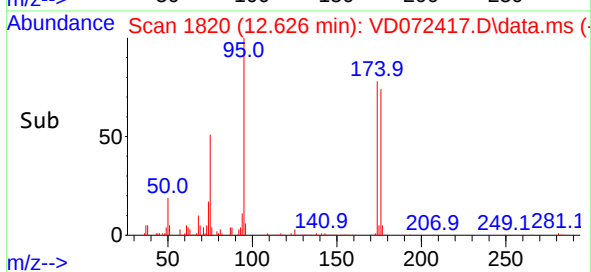
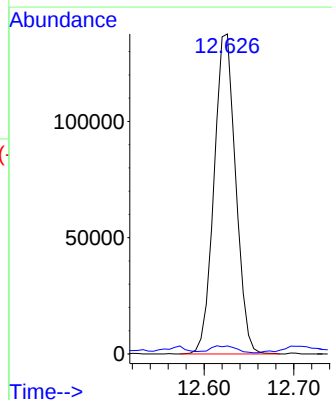
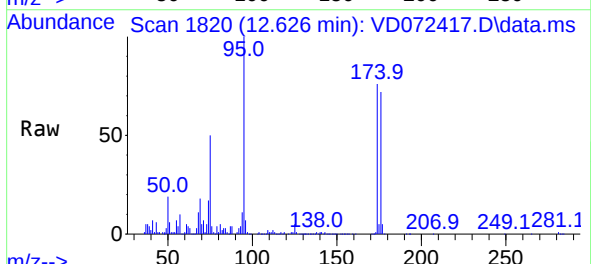
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

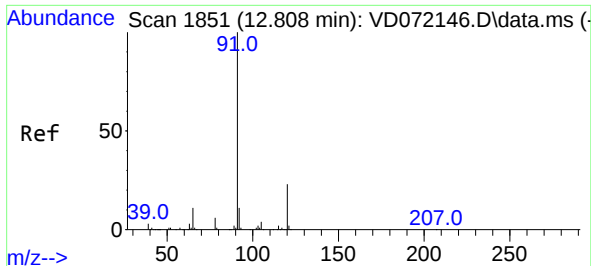
Tgt Ion: 83 Resp: 20056
Ion Ratio Lower Upper
83 100
131 0.7 5.0 14.9#
85 0.0 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 45.712 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion: 75 Resp: 230789
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#

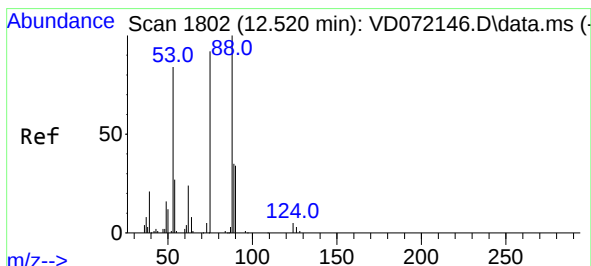
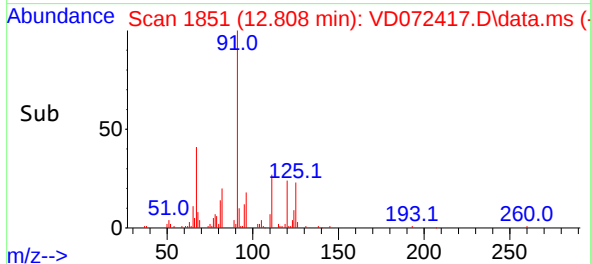
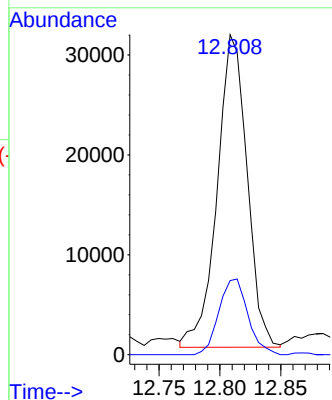
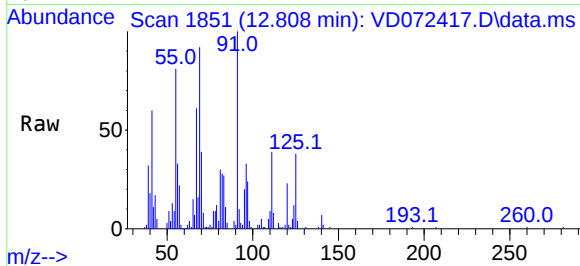




#78
n-propylbenzene
Concen: 1.213 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 91 Resp: 53447
Ion Ratio Lower Upper
91 100
120 23.5 10.9 32.9



#81
trans-1,4-Dichloro-2-butene
Concen: 113.417 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072417.D
Acq: 24 Mar 2022 19:39

Tgt Ion: 75 Resp: 230789
Ion Ratio Lower Upper
75 100
53 2.7 86.5 129.7#
89 0.1 33.9 50.9#

