

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072220.D
 Acq On : 16 Mar 2022 16:05
 Operator : VA/SY
 Sample : N1905-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1C-(3.5-4.0)

Quant Time: Mar 16 16:45:49 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)

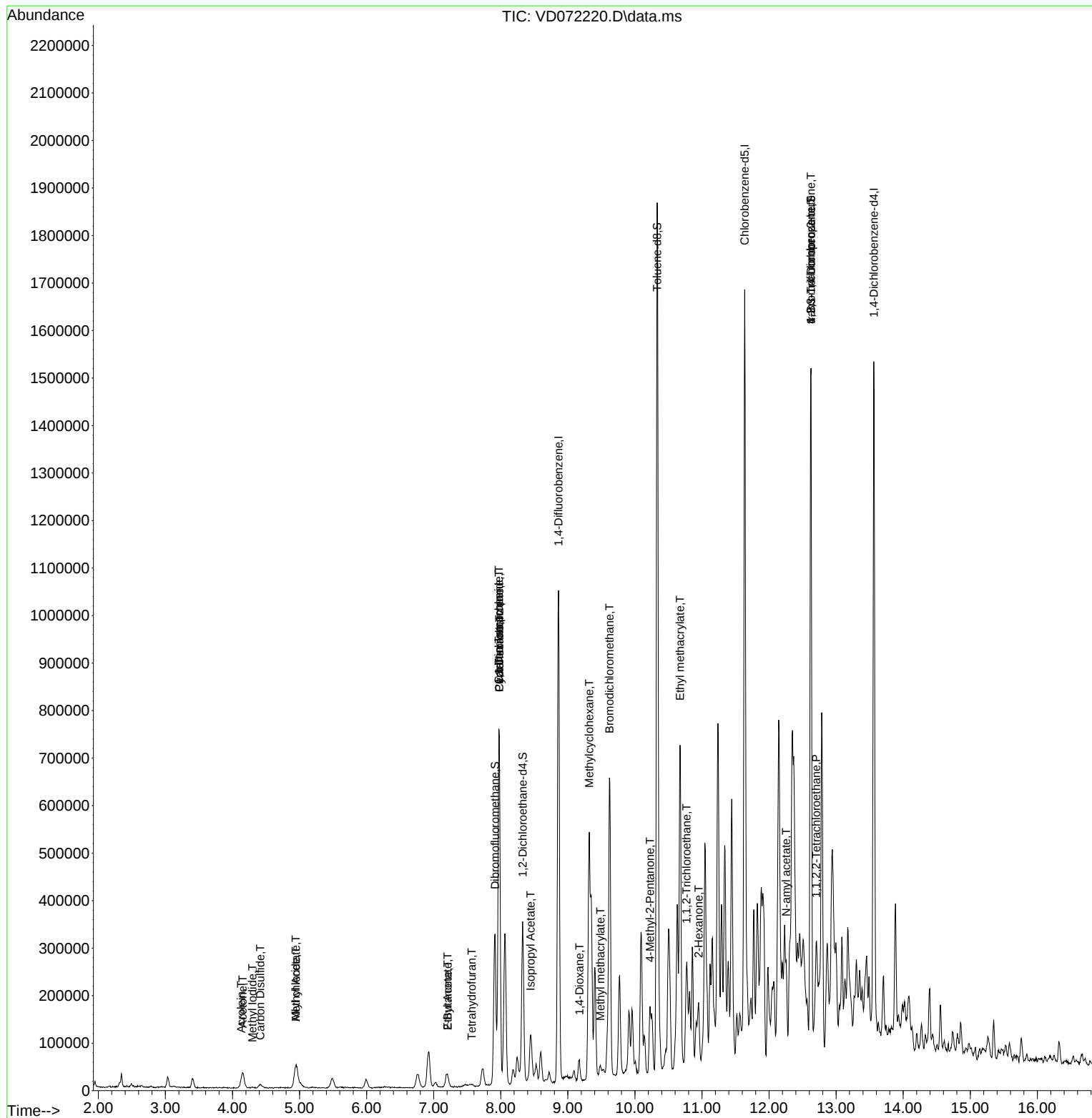
Internal Standards						
1) Pentafluorobenzene	7.979	168	556975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	902052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	902766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	376894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	259271	41.770	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.540%		
35) Dibromofluoromethane	7.914	113	232633	36.648	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	73.300%		
50) Toluene-d8	10.332	98	1117848	48.161	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.320%		
62) 4-Bromofluorobenzene	12.626	95	440474	48.840	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.680%		
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	1113	2.413	ug/l #	79
13) Acrolein	4.132	56	3158	9.834	ug/l #	38
14) Allyl chloride	4.944	41	22130	2.473	ug/l #	58
16) Acetone	4.150	43	50338	37.351	ug/l	95
17) Carbon Disulfide	4.414	76	11611	2.444	ug/l #	74
18) Methyl Acetate	4.944	43	47513	14.386	ug/l #	55
20) Methylene Chloride	4.961	84	8228	Below Cal	#	80
25) 2-Butanone	7.208	43	16600	9.238	ug/l #	80
29) Tetrahydrofuran	7.567	42	2102	1.989	ug/l #	58
31) Cyclohexane	7.979	56	22391	2.309	ug/l #	31
36) 1,1-Dichloropropene	7.973	75	42511	4.774	ug/l #	52
37) Ethyl Acetate	7.208	43	16600	4.256	ug/l #	77
38) Carbon Tetrachloride	7.973	117	55998	5.532	ug/l #	17
39) Methylcyclohexane	9.320	83	153161	15.284	ug/l #	40
43) Isopropyl Acetate	8.444	43	58127	7.677	ug/l #	54
47) Bromodichloromethane	9.620	83	18759	1.877	ug/l #	48
48) Methyl methacrylate	9.485	41	4493	1.243	ug/l #	19
49) 1,4-Dioxane	9.173	88	114	2.774	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	7128	1.792	ug/l #	63
55) 1,1,2-Trichloroethane	10.767	97	70541	13.511	ug/l #	23
56) Ethyl methacrylate	10.673	69	67919	11.106	ug/l #	27
59) 2-Hexanone	10.949	43	54550	19.861	ug/l #	37
74) N-amyl acetate	12.255	43	46985	7.320	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.702	83	18045	3.378	ug/l #	84
76) 1,2,3-Trichloropropane	12.626	75	218015	52.439	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	218015	130.107	ug/l #	8

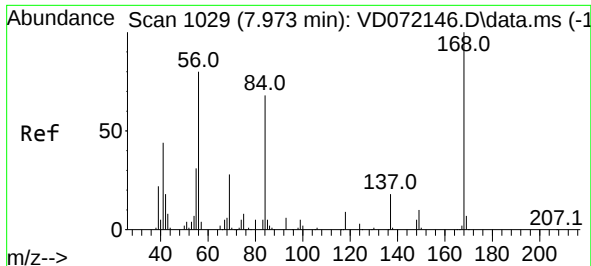
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072220\
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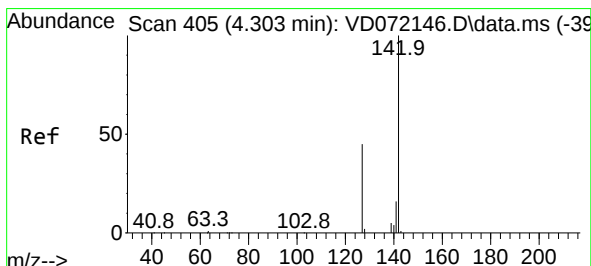
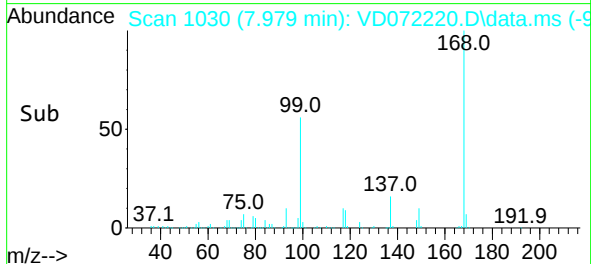
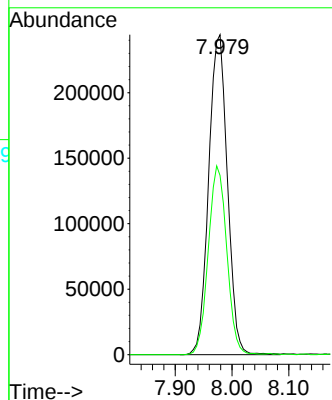
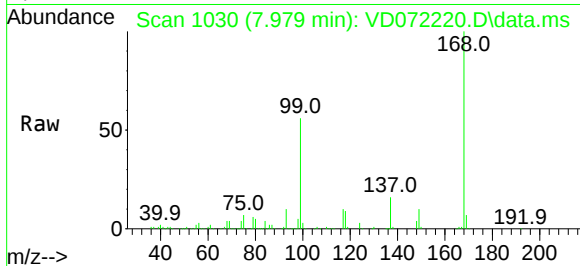




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

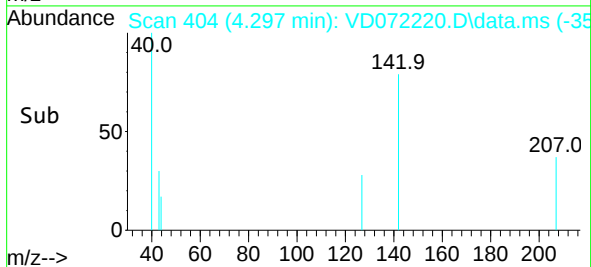
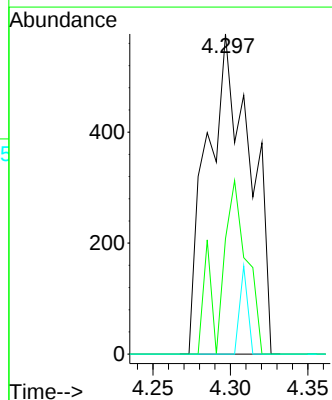
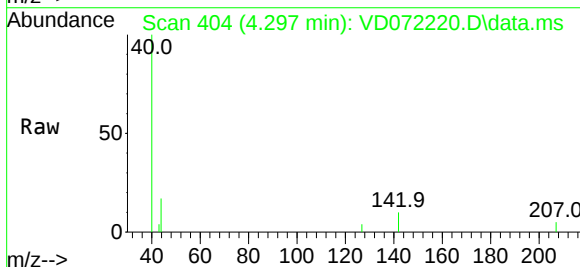
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

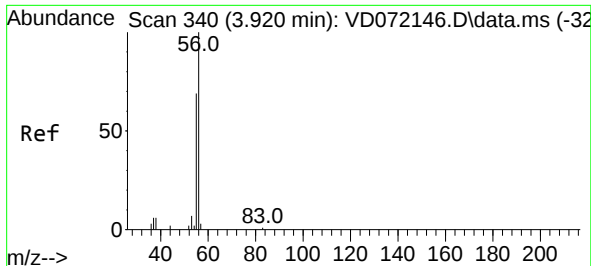
Tgt Ion:168 Resp: 556975
Ion Ratio Lower Upper
168 100
99 56.0 49.8 74.6



#10
Methyl Iodide
Concen: 2.413 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion:142 Resp: 1113
Ion Ratio Lower Upper
142 100
127 33.5 37.3 55.9#
141 5.0 11.7 17.5#





#13

Acrolein

Concen: 9.834 ug/l

RT: 4.132 min Scan# 31

Delta R.T. 0.212 min

Lab File: VD072220.D

Acq: 16 Mar 2022 16:05

Instrument :

MSVOA_D

ClientSampleId :

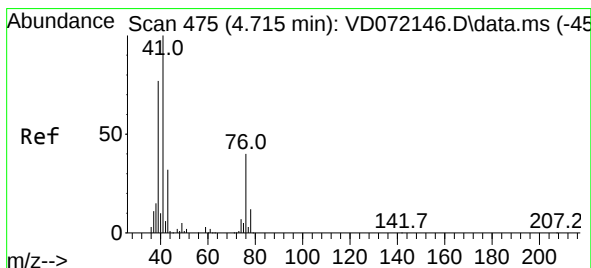
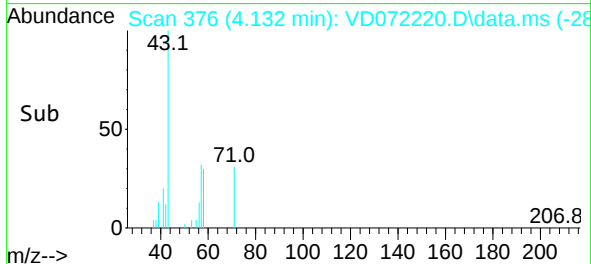
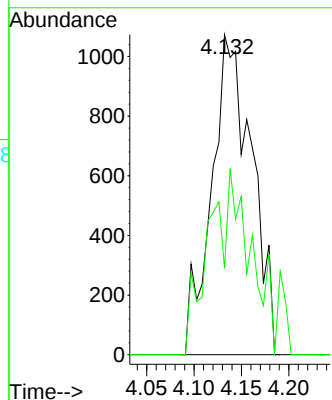
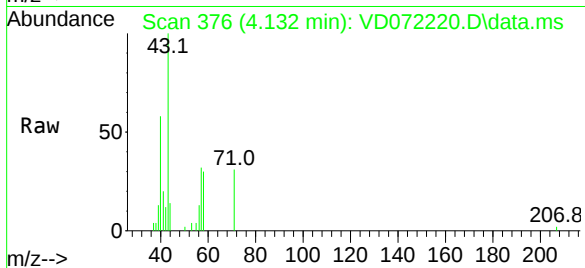
WC-14A-1C-(3.5-4.0)

Tgt Ion: 56 Resp: 3158

Ion Ratio Lower Upper

56 100

55 20.0 57.1 85.7#



#14

Allyl chloride

Concen: 2.473 ug/l

RT: 4.944 min Scan# 514

Delta R.T. 0.229 min

Lab File: VD072220.D

Acq: 16 Mar 2022 16:05

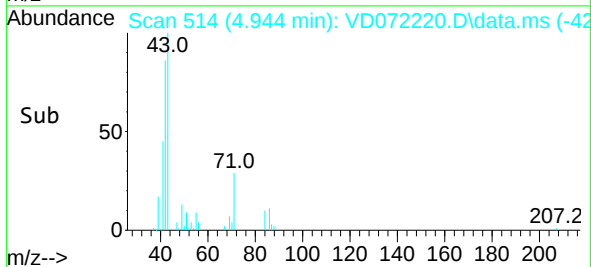
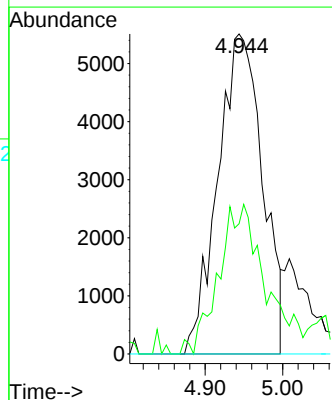
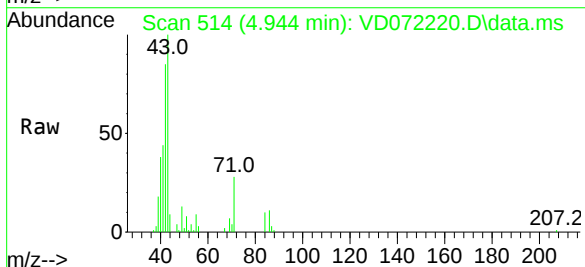
Tgt Ion: 41 Resp: 22130

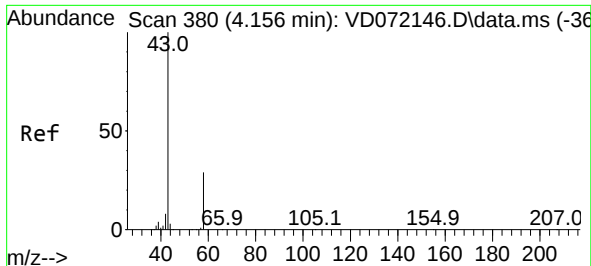
Ion Ratio Lower Upper

41 100

39 44.8 59.3 88.9#

76 0.0 25.7 38.5#

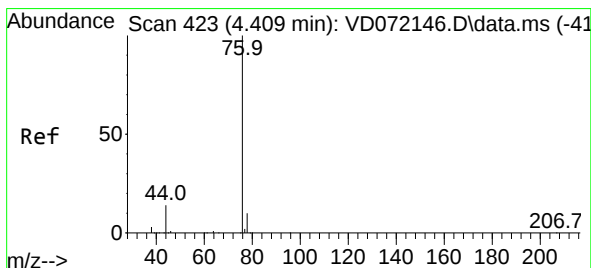
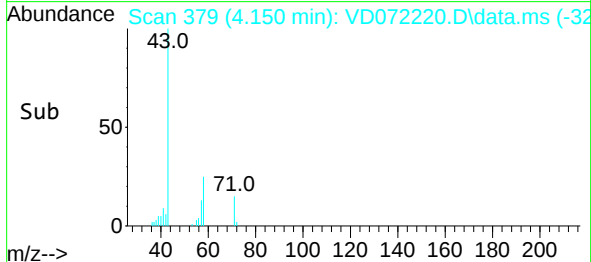
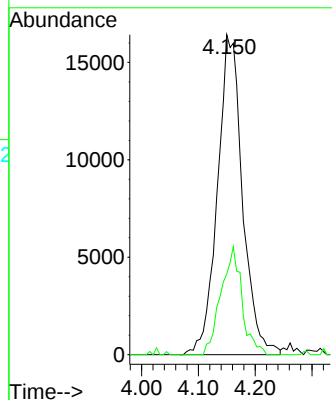
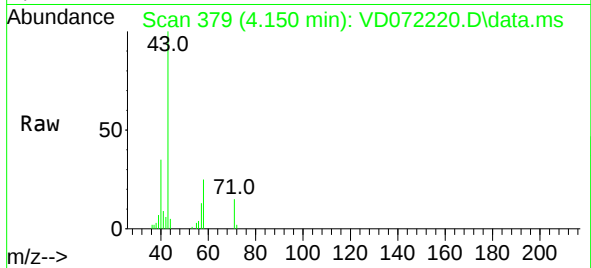




#16
Acetone
Concen: 37.351 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

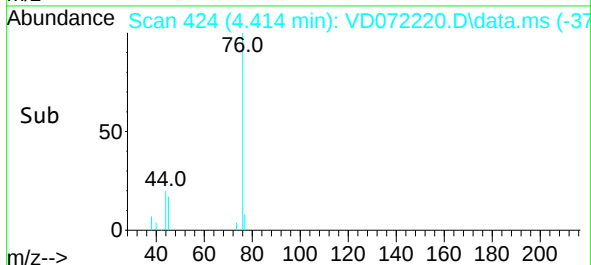
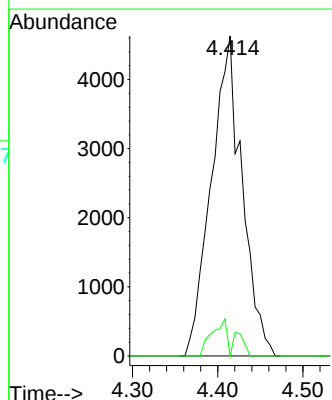
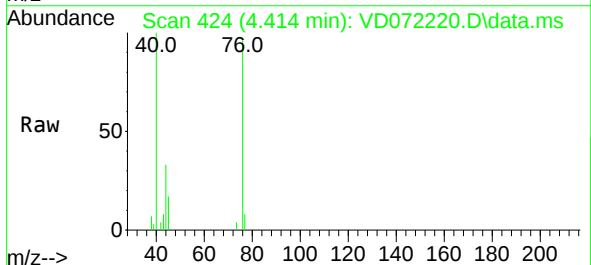
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

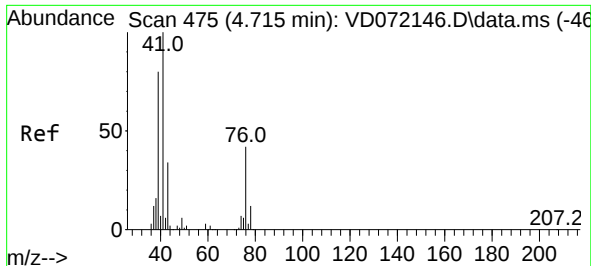
Tgt Ion: 43 Resp: 50338
Ion Ratio Lower Upper
43 100
58 25.2 22.1 33.1



#17
Carbon Disulfide
Concen: 2.444 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.005 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion: 76 Resp: 11611
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

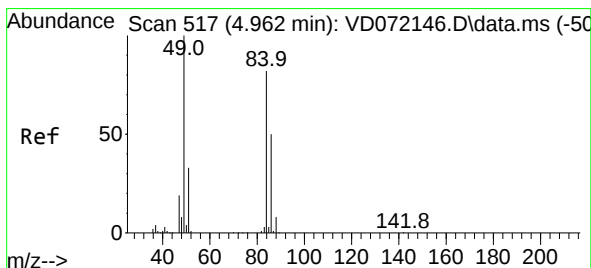
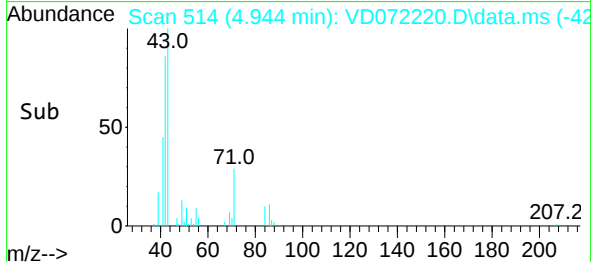
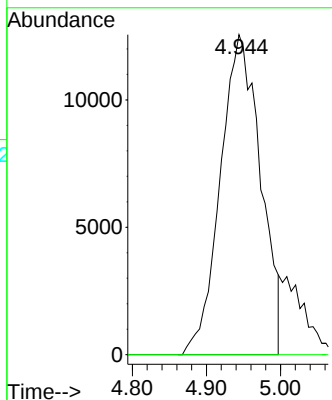
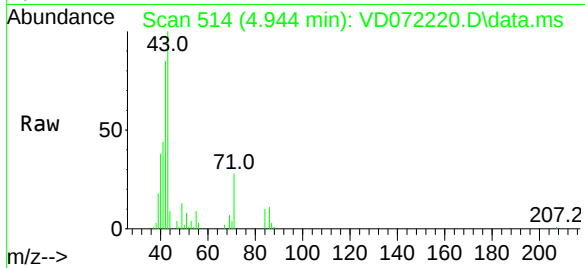




#18
Methyl Acetate
Concen: 14.386 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.229 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

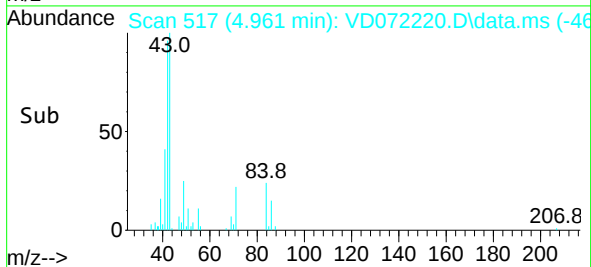
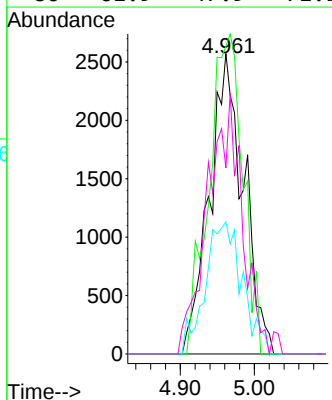
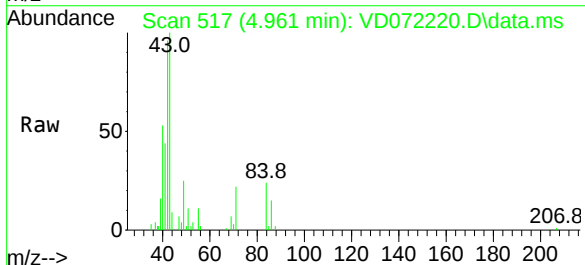
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

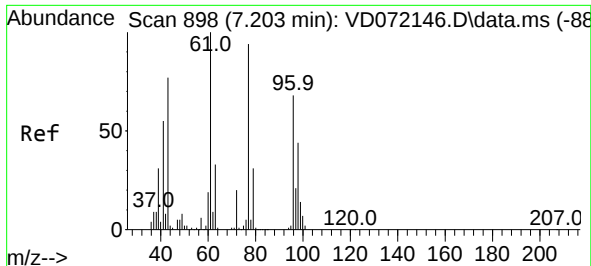
Tgt Ion: 43 Resp: 47513
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion: 84 Resp: 8228
Ion Ratio Lower Upper
84 100
49 102.4 112.8 169.2#
51 44.0 32.6 48.8
86 61.9 47.9 71.9

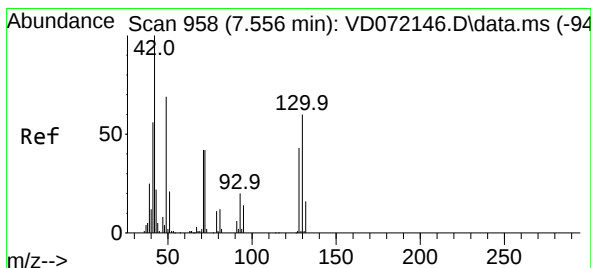
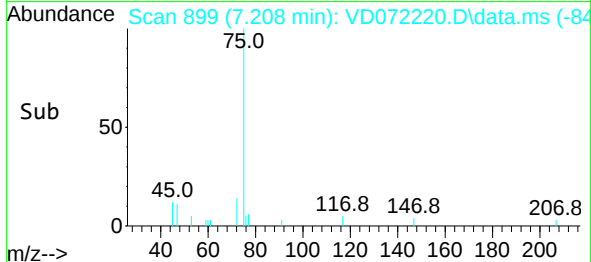
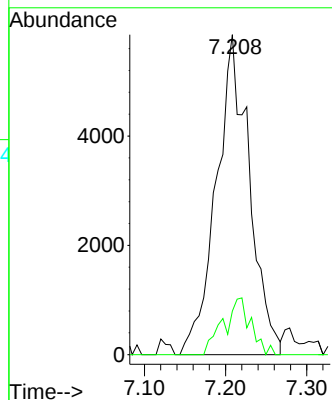
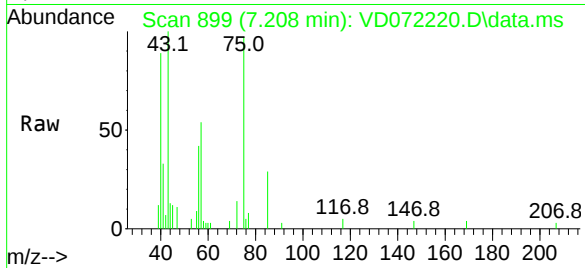




#25
2-Butanone
Concen: 9.238 ug/l
RT: 7.208 min Scan# 898
Delta R.T. 0.006 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

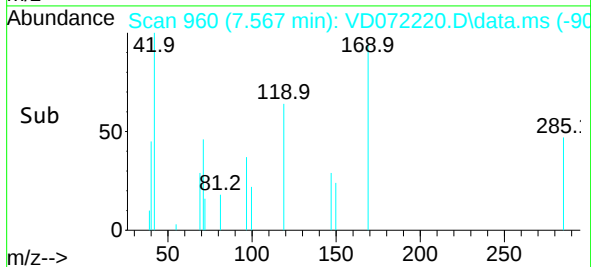
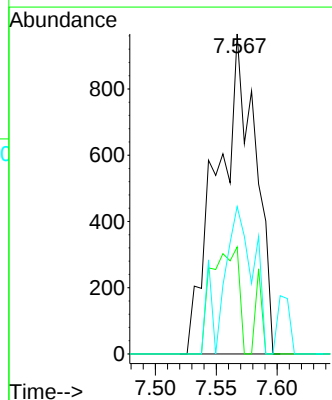
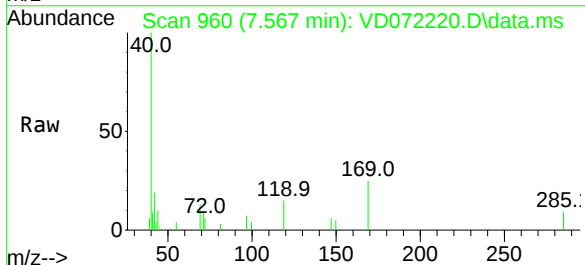
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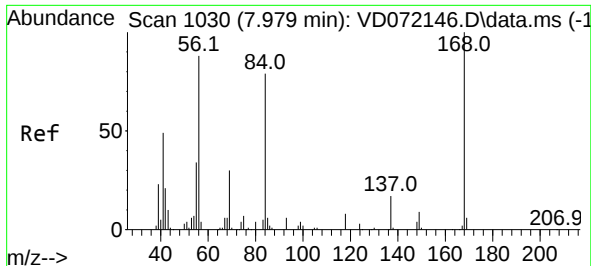
Tgt Ion: 43 Resp: 16600
Ion Ratio Lower Upper
43 100
72 13.6 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.989 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.012 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion: 42 Resp: 2102
Ion Ratio Lower Upper
42 100
72 23.9 30.7 46.1#
71 0.0 28.6 43.0#

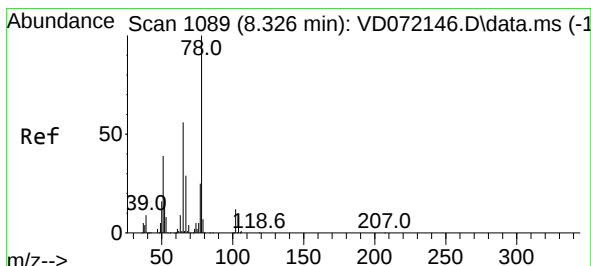
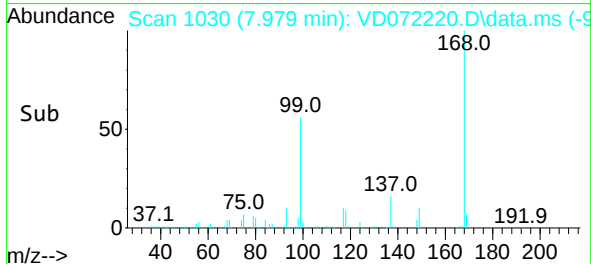
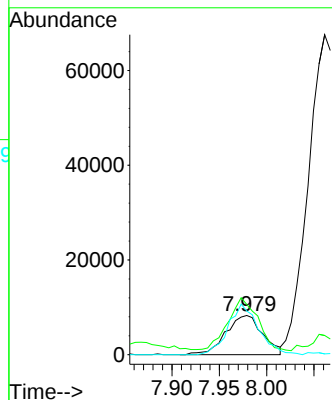
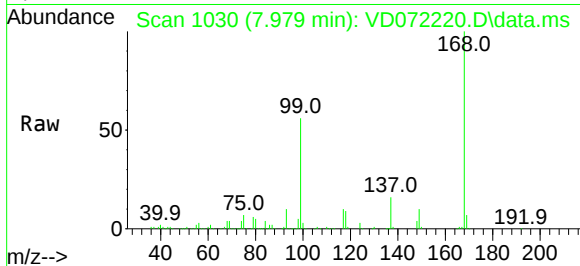




#31
Cyclohexane
Concen: 2.309 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

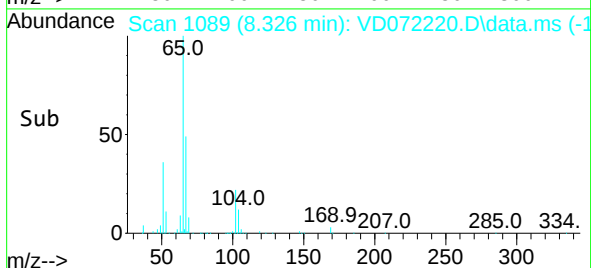
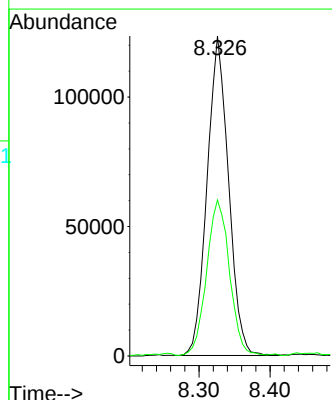
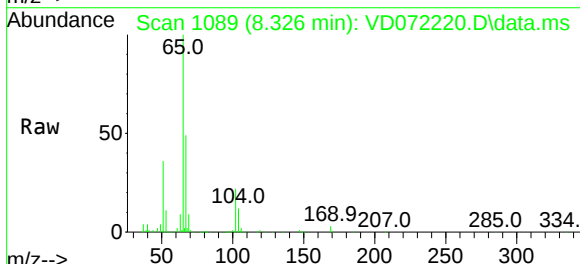
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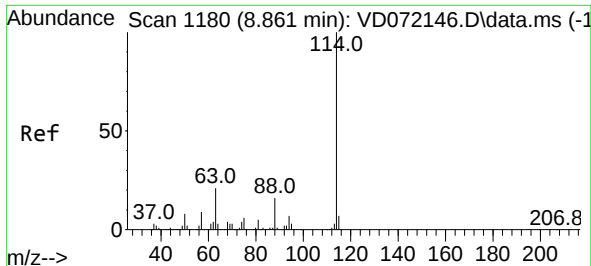
Tgt Ion: 56 Resp: 22391
Ion Ratio Lower Upper
56 100
69 113.3 25.4 38.2#
84 111.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 41.770 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion: 65 Resp: 259271
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.4

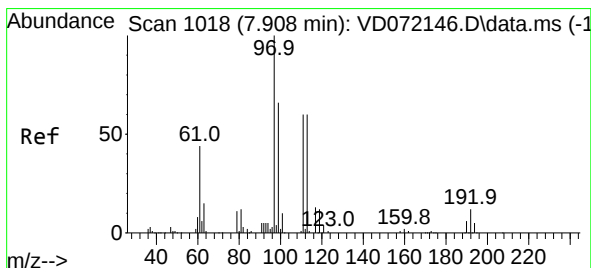
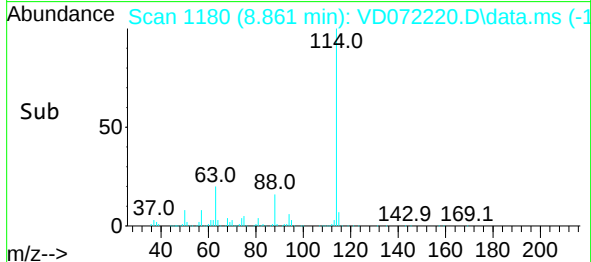
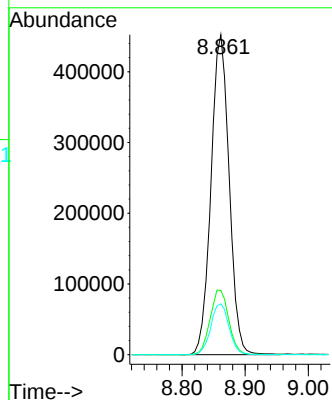
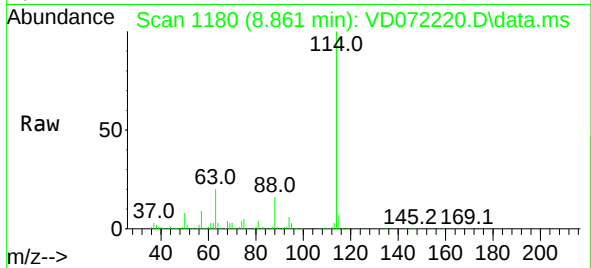




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

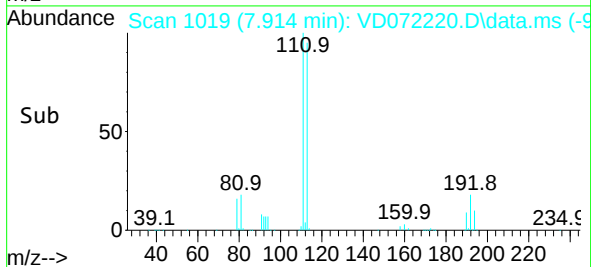
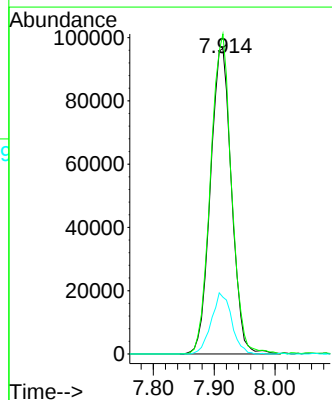
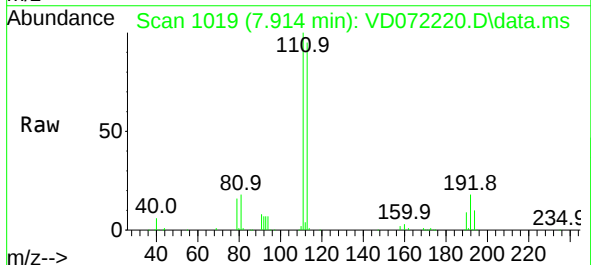
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

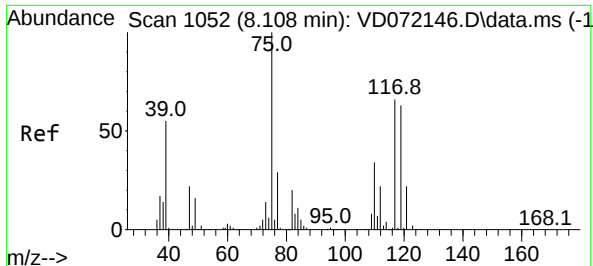
Tgt Ion:114 Resp: 902052
Ion Ratio Lower Upper
114 100
63 20.0 0.0 46.6
88 15.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 36.648 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion:113 Resp: 232633
Ion Ratio Lower Upper
113 100
111 104.0 83.8 125.6
192 19.2 14.6 21.8

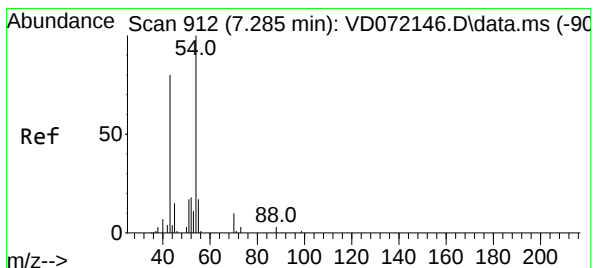
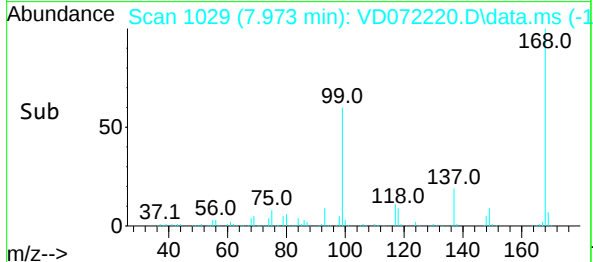
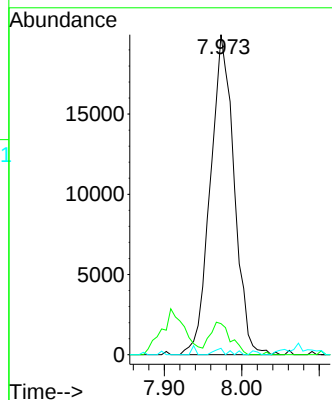
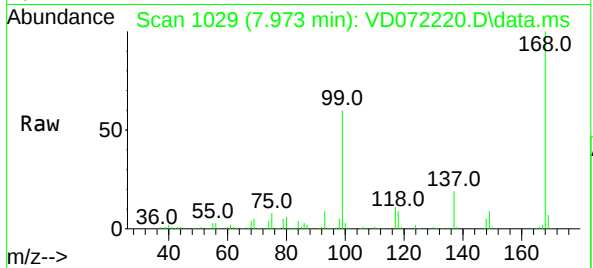




#36
1,1-Dichloropropene
Concen: 4.774 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

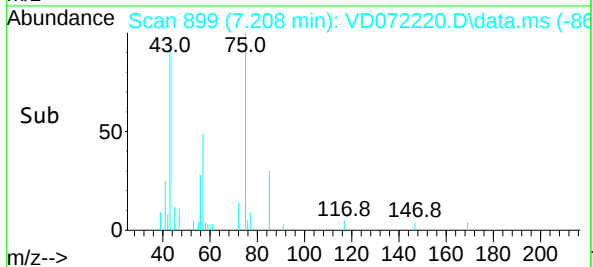
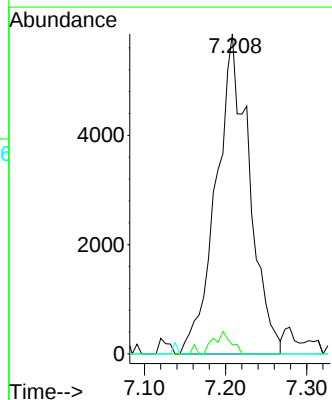
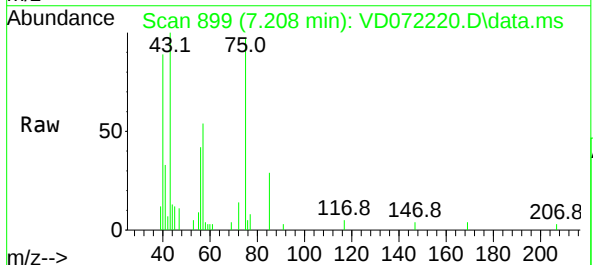
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

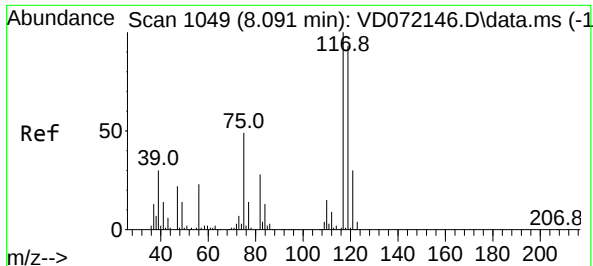
Tgt Ion: 75 Resp: 42511
Ion Ratio Lower Upper
75 100
110 8.8 16.4 49.1#
77 1.1 24.2 36.2#



#37
Ethyl Acetate
Concen: 4.256 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.077 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion: 43 Resp: 16600
Ion Ratio Lower Upper
43 100
61 3.7 9.8 14.8#
70 0.0 6.9 10.3#

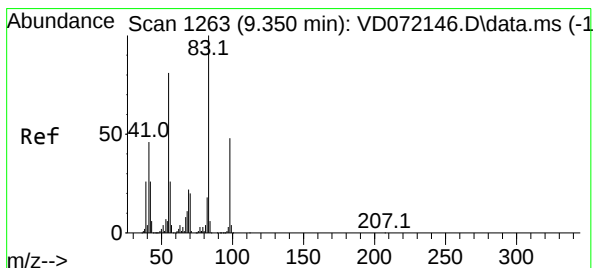
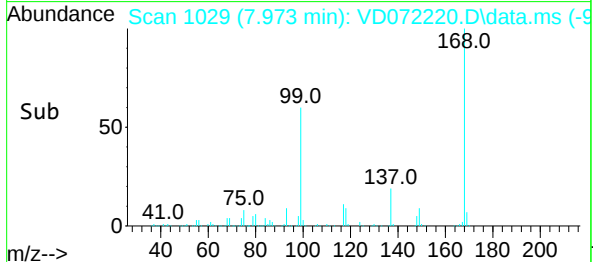
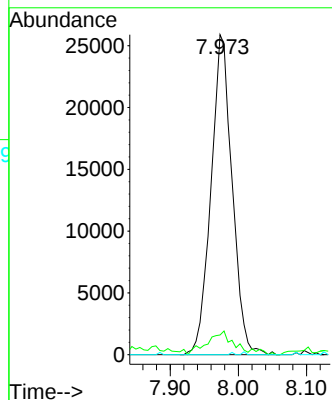
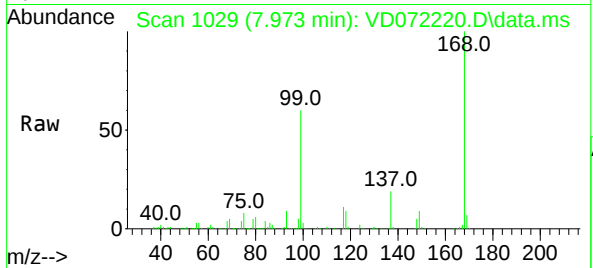




#38
Carbon Tetrachloride
Concen: 5.532 ug/l
RT: 7.973 min Scan# 117
Delta R.T. -0.118 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

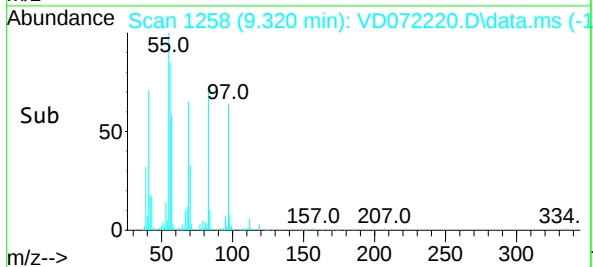
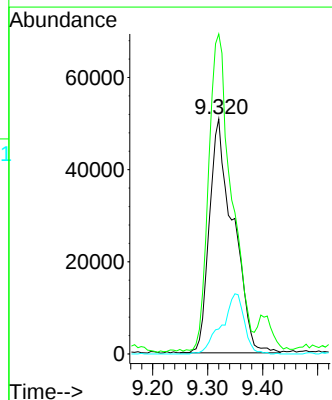
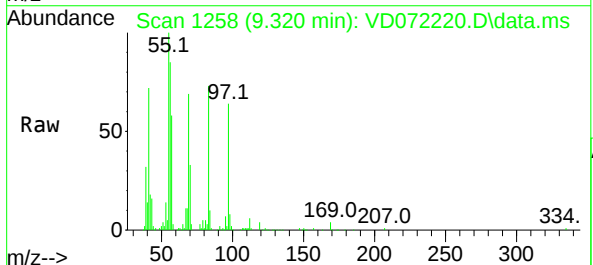
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

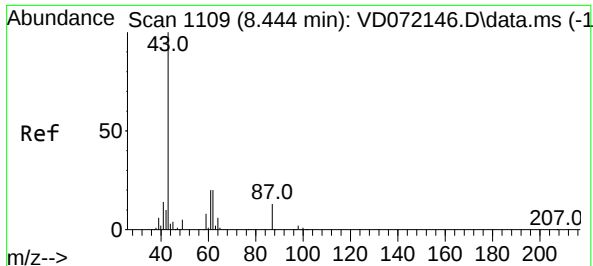
Tgt Ion:117 Resp: 55998
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 15.284 ug/l
RT: 9.320 min Scan# 1258
Delta R.T. -0.030 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion: 83 Resp: 153161
Ion Ratio Lower Upper
83 100
55 134.9 63.2 94.8#
98 10.7 38.2 57.4#

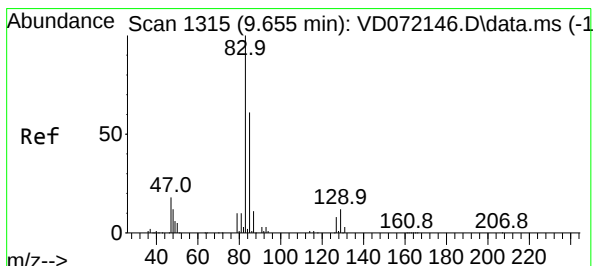
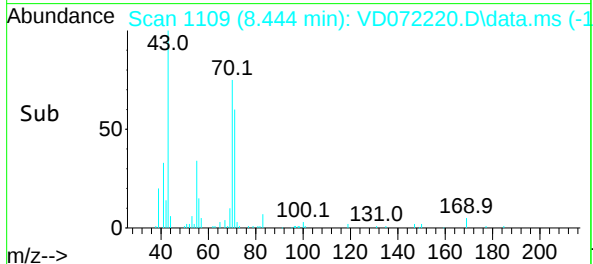
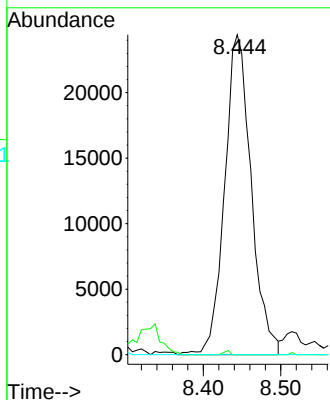
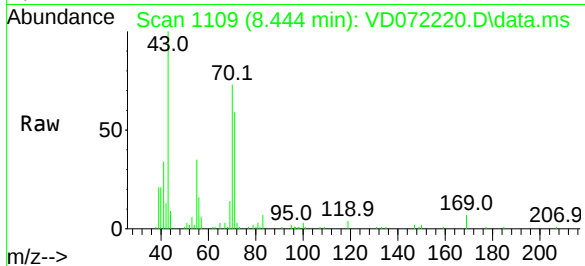




#43
Isopropyl Acetate
Concen: 7.677 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

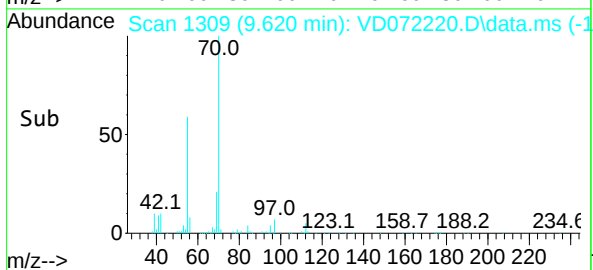
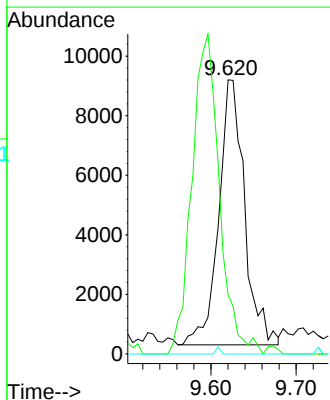
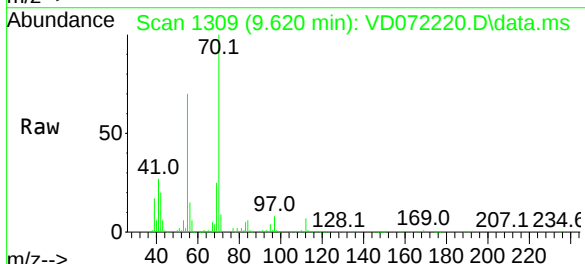
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

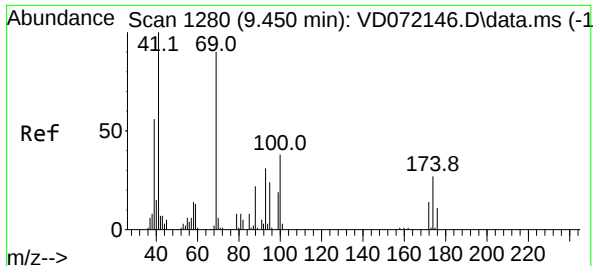
Tgt Ion: 43 Resp: 58127
Ion Ratio Lower Upper
43 100
61 0.3 22.4 33.6#
87 0.0 8.7 13.1#



#47
Bromodichloromethane
Concen: 1.877 ug/l
RT: 9.620 min Scan# 1309
Delta R.T. -0.035 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion: 83 Resp: 18759
Ion Ratio Lower Upper
83 100
85 20.6 51.4 77.0#
127 0.0 6.1 9.1#





#48

Methyl methacrylate

Concen: 1.243 ug/l

RT: 9.485 min Scan# 1

Delta R.T. 0.035 min

Lab File: VD072220.D

Acq: 16 Mar 2022 16:05

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1C-(3.5-4.0)

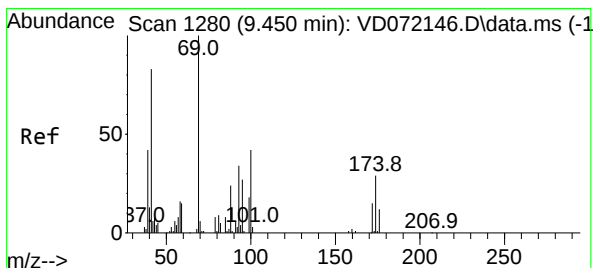
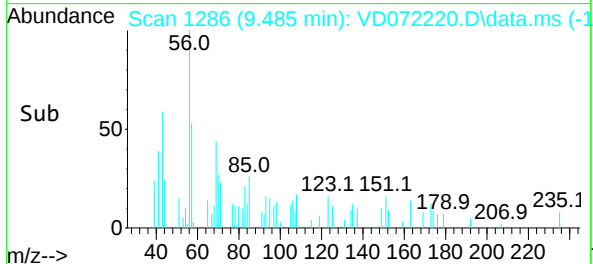
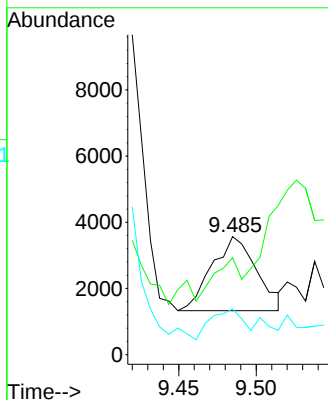
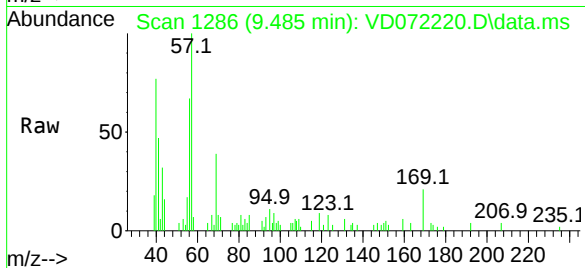
Tgt Ion: 41 Resp: 4493

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#



#49

1,4-Dioxane

Concen: 2.774 ug/l

RT: 9.173 min Scan# 1233

Delta R.T. -0.277 min

Lab File: VD072220.D

Acq: 16 Mar 2022 16:05

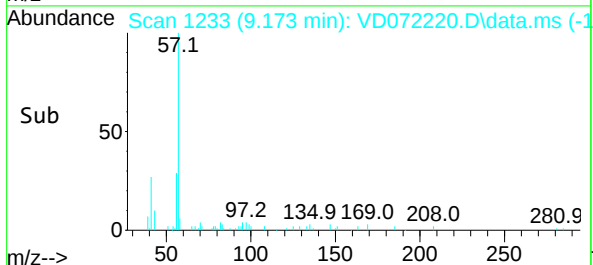
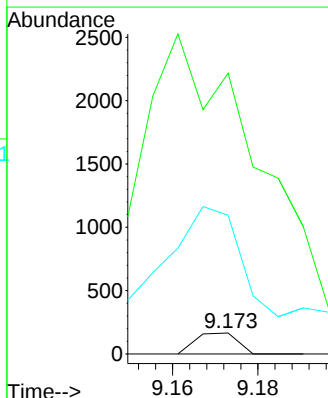
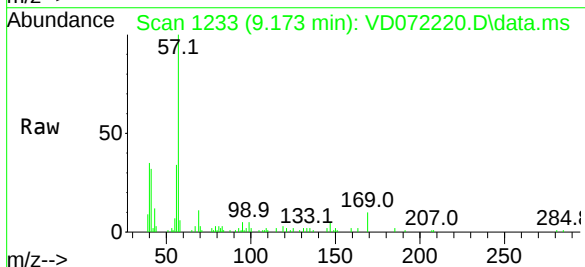
Tgt Ion: 88 Resp: 114

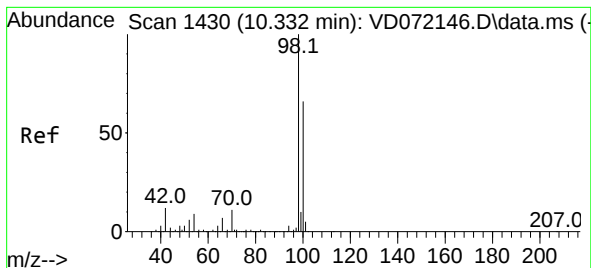
Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 1147.4 58.1 87.1#





#50

Toluene-d8

Concen: 48.161 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072220.D

Acq: 16 Mar 2022 16:05

Instrument :

MSVOA_D

ClientSampleId :

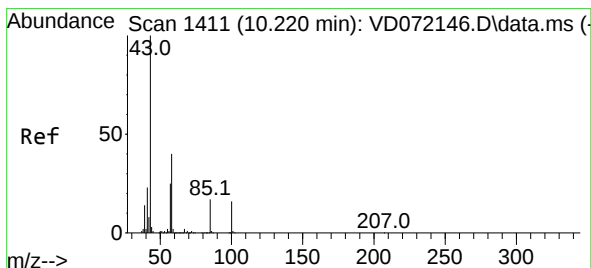
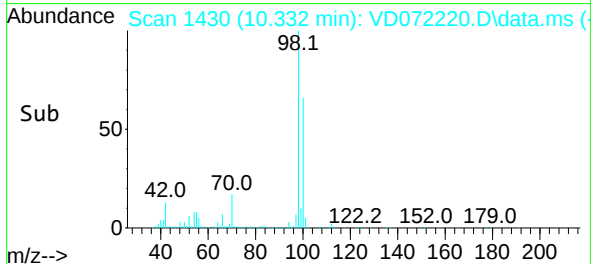
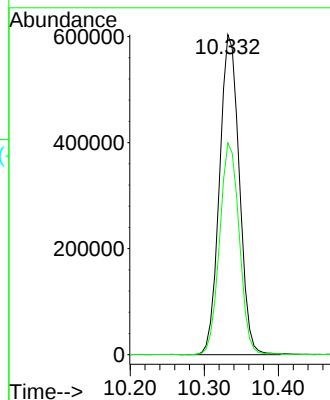
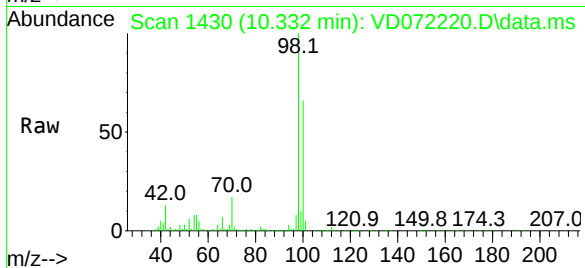
WC-14A-1C-(3.5-4.0)

Tgt Ion: 98 Resp: 1117848

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.792 ug/l

RT: 10.226 min Scan# 1412

Delta R.T. 0.006 min

Lab File: VD072220.D

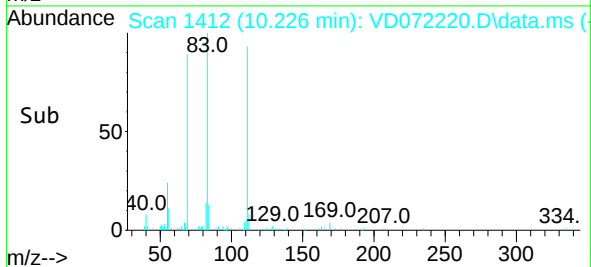
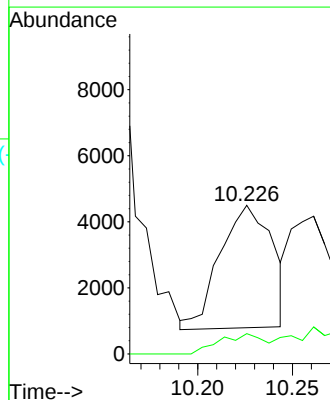
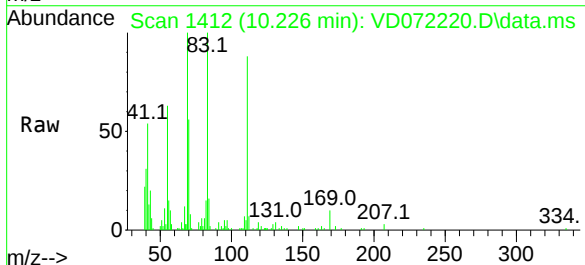
Acq: 16 Mar 2022 16:05

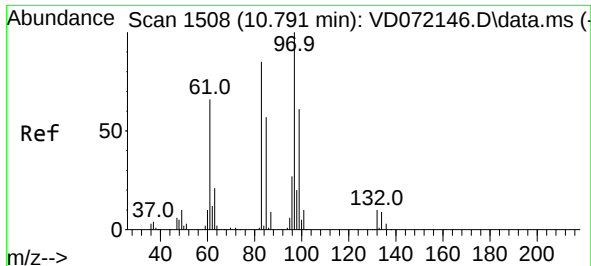
Tgt Ion: 43 Resp: 7128

Ion Ratio Lower Upper

43 100

58 14.1 28.6 43.0#

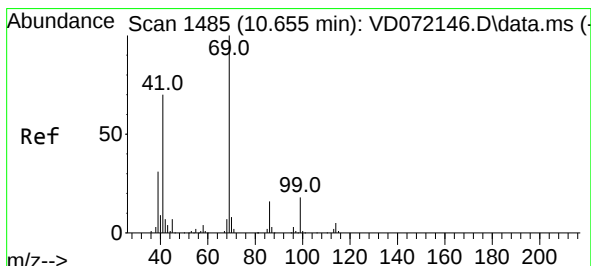
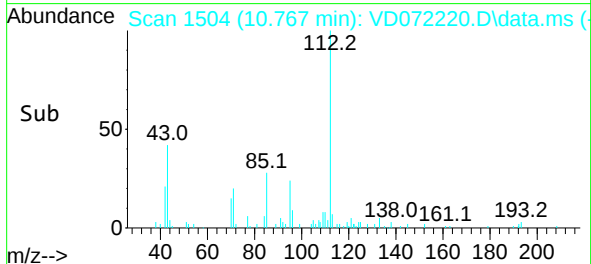
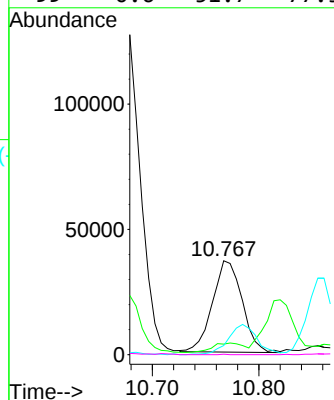
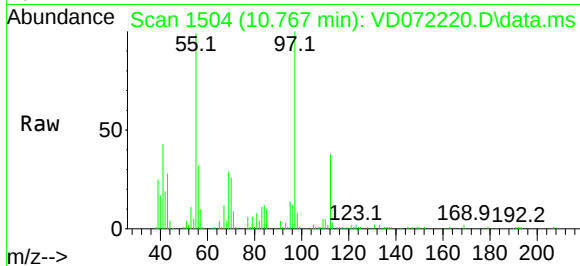




#55
1,1,2-Trichloroethane
Concen: 13.511 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.024 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

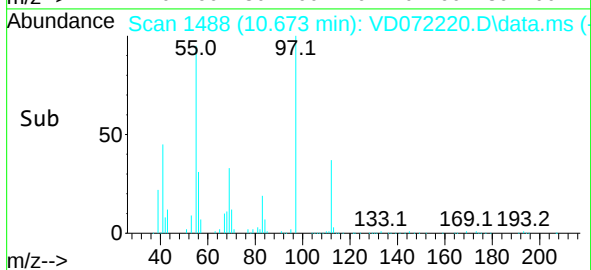
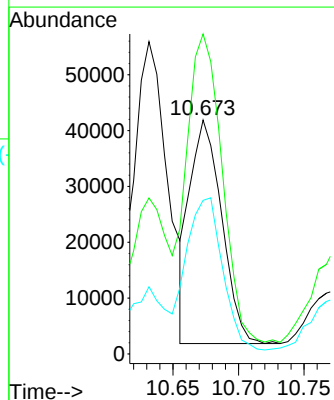
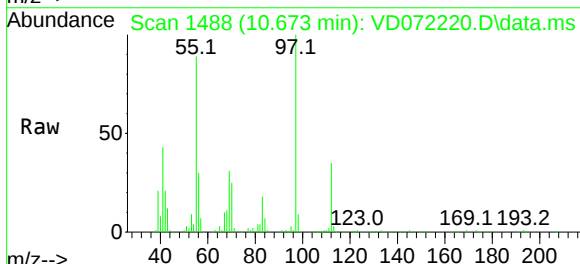
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

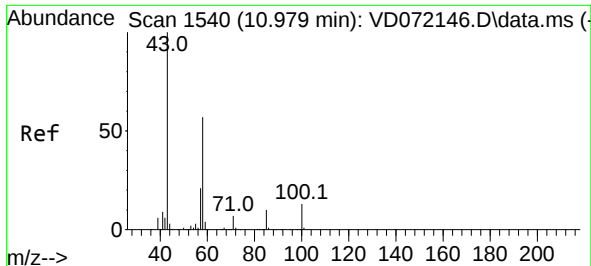
Tgt Ion:	97	Resp:	70541
Ion	Ratio	Lower	Upper
97	100		
83	9.0	69.0	103.4#
85	10.1	42.6	63.8#
99	0.6	51.7	77.5#



#56
Ethyl methacrylate
Concen: 11.106 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion:	69	Resp:	67919
Ion	Ratio	Lower	Upper
69	100		
41	151.6	63.0	94.6#
39	76.4	33.8	50.8#

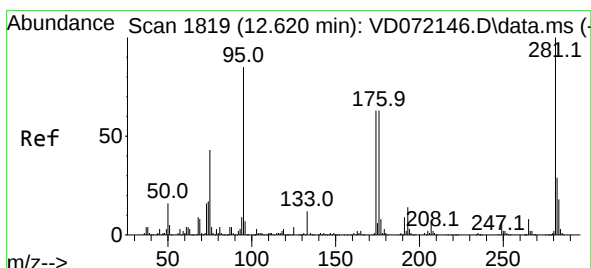
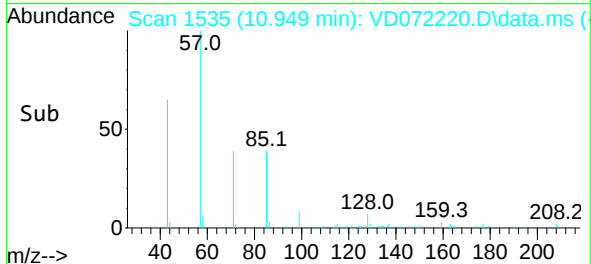
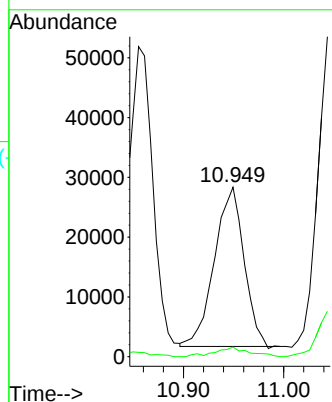
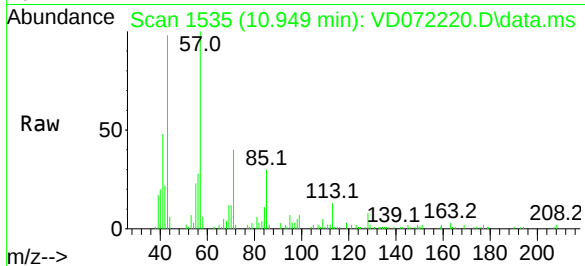




#59
2-Hexanone
Concen: 19.861 ug/l
RT: 10.949 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

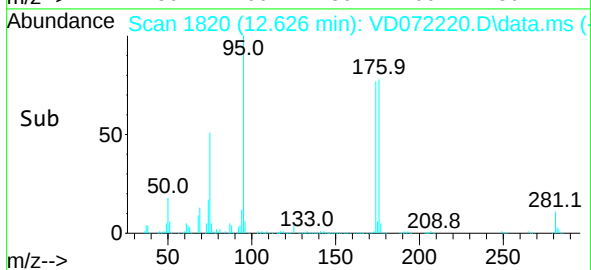
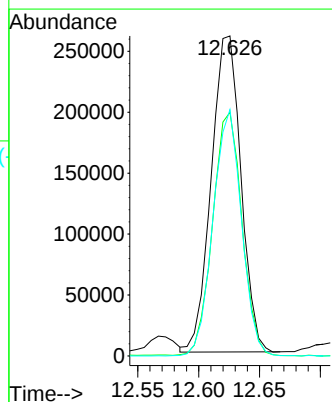
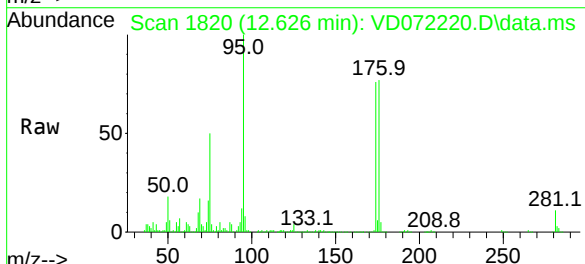
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

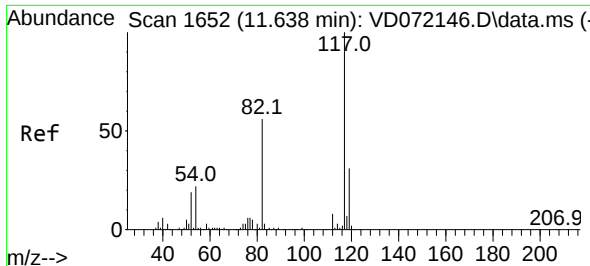
Tgt Ion: 43 Resp: 54550
Ion Ratio Lower Upper
43 100
58 6.8 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 48.840 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion: 95 Resp: 440474
Ion Ratio Lower Upper
95 100
174 76.0 0.0 152.8
176 74.4 0.0 145.4

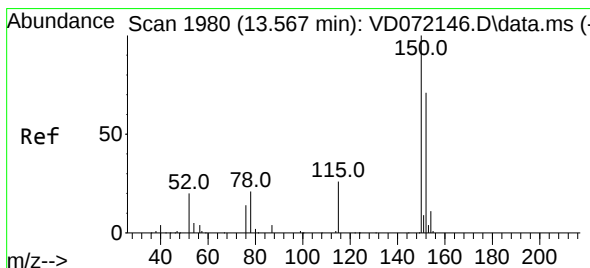
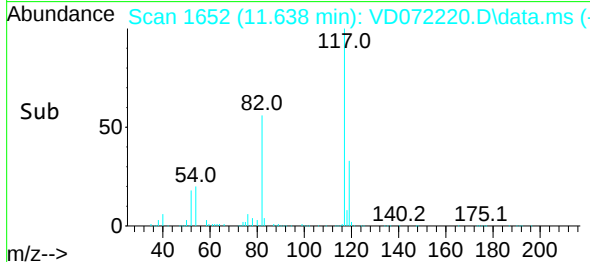
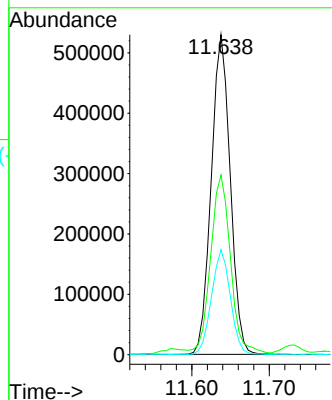
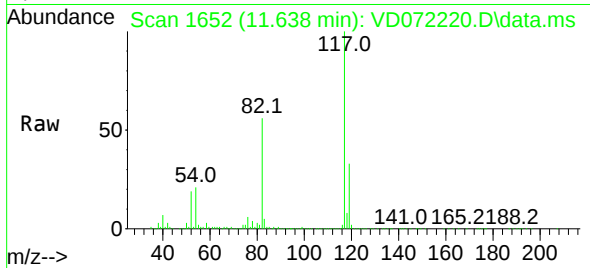




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

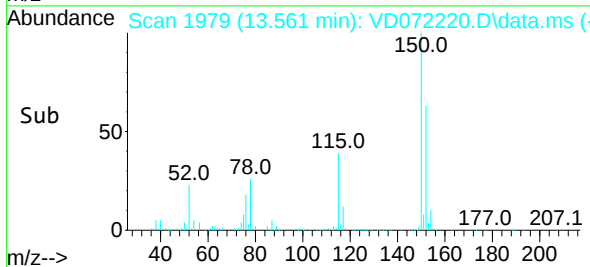
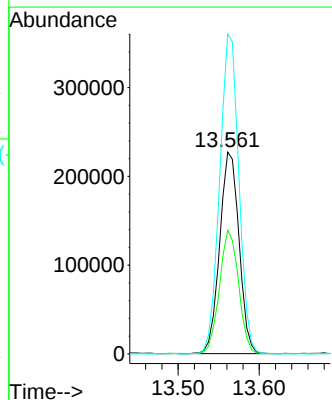
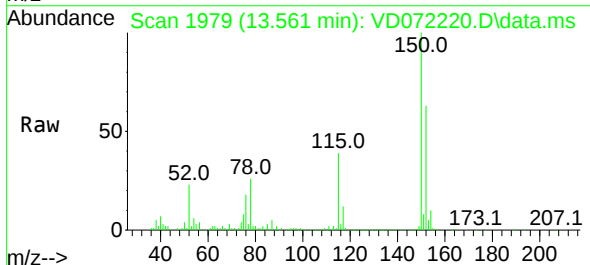
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

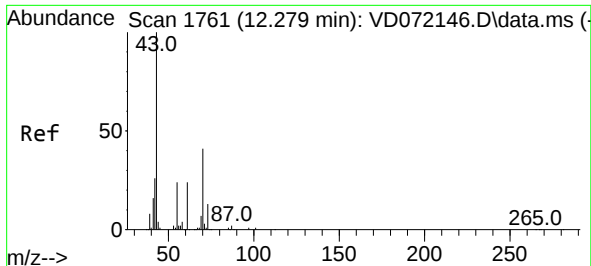
Tgt Ion:117 Resp: 902766
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 32.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion:152 Resp: 376894
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 157.2 0.0 348.6

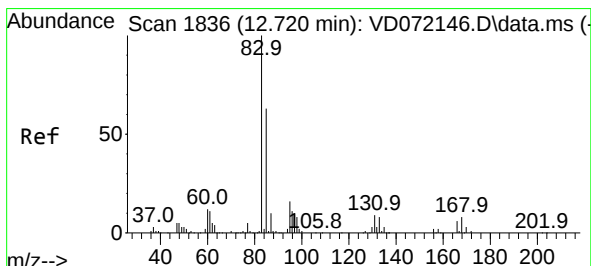
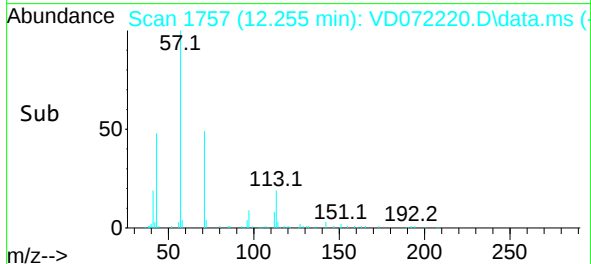
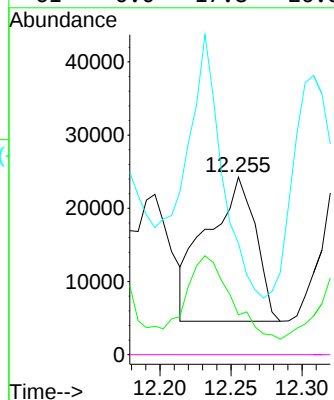
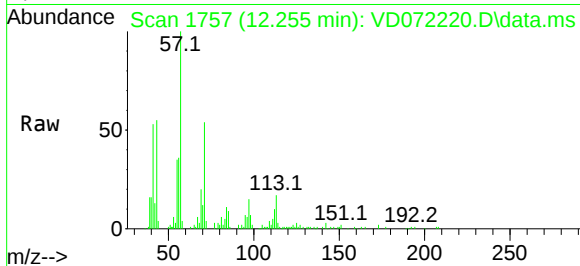




#74
N-amy1 acetate
Concen: 7.320 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

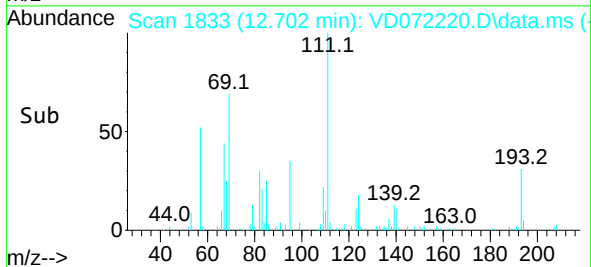
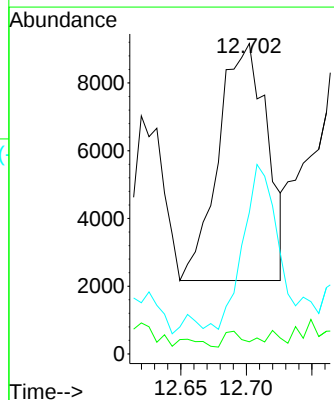
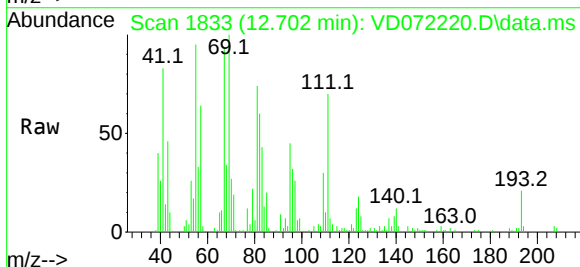
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

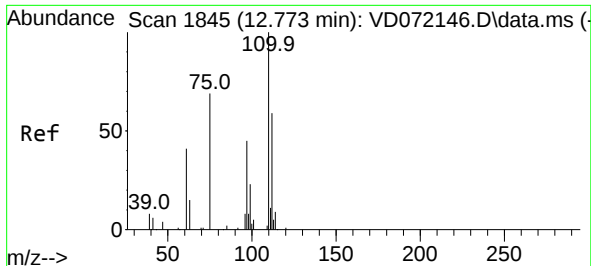
Tgt Ion: 43	Resp: 46985
Ion Ratio	Lower Upper
43	100
70	0.0 31.3 46.9#
55	0.0 20.0 30.0#
61	0.0 17.8 26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 3.378 ug/l
RT: 12.702 min Scan# 1833
Delta R.T. -0.018 min
Lab File: VD072220.D
Acq: 16 Mar 2022 16:05

Tgt Ion: 83	Resp: 18045
Ion Ratio	Lower Upper
83	100
131	2.1 5.0 14.9#
85	53.2 32.6 98.0

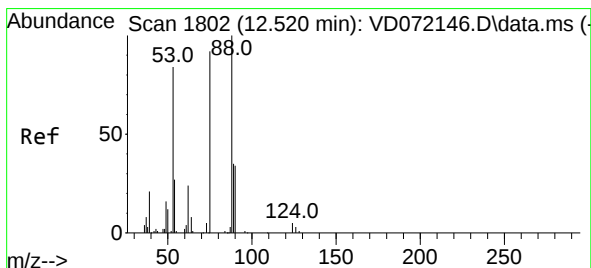
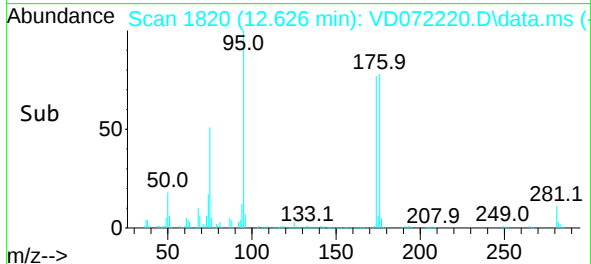
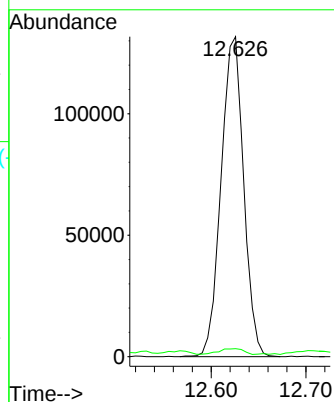
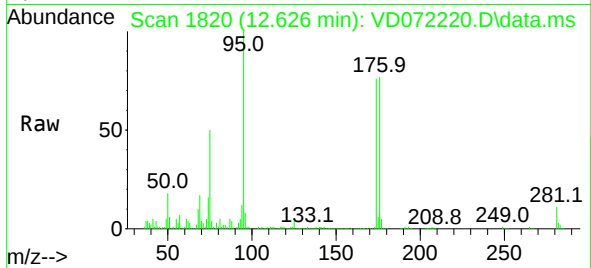




#76
 1,2,3-Trichloropropane
 Concen: 52.439 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD072220.D
 Acq: 16 Mar 2022 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1C-(3.5-4.0)

Tgt Ion: 75 Resp: 218015
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.107 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD072220.D
 Acq: 16 Mar 2022 16:05

Tgt Ion: 75 Resp: 218015
 Ion Ratio Lower Upper
 75 100
 53 1.5 86.5 129.7#
 89 0.1 33.9 50.9#

