

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072192.D
 Acq On : 15 Mar 2022 16:46
 Operator : VA/SY
 Sample : N1905-05
 Misc : 4.98G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 16 01:00:46 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)

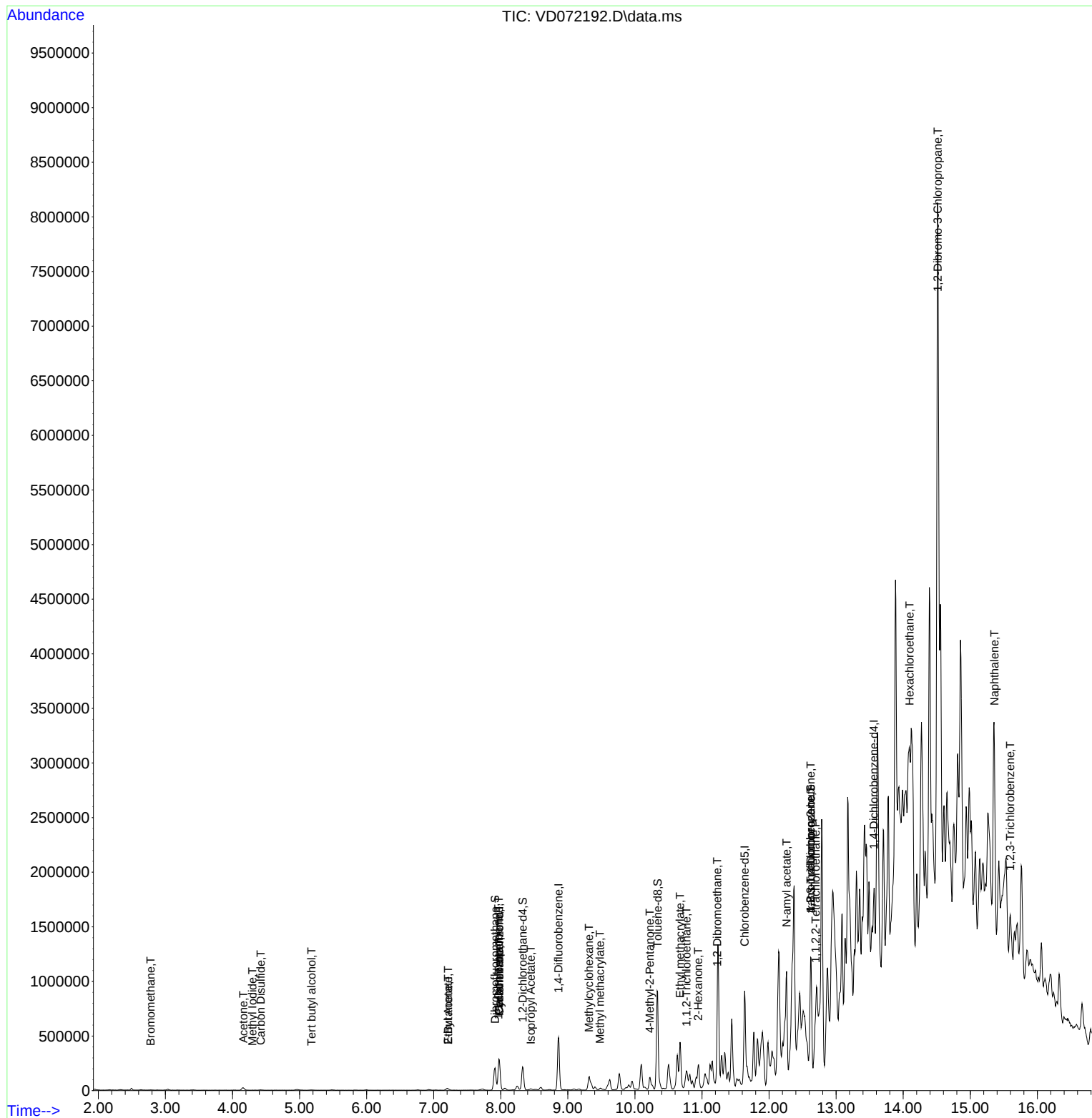
Internal Standards						
1) Pentafluorobenzene	7.979	168	204171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	400831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	471464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	221809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	172246	75.700	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.400%			
35) Dibromofluoromethane	7.914	113	148501	52.647	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.300%			
50) Toluene-d8	10.337	98	547632	53.097	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.200%			
62) 4-Bromofluorobenzene	12.620	95	263632	65.785	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 131.560%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	1267	1.201	ug/l	90
10) Methyl Iodide	4.297	142	869	2.624	ug/l #	94
11) Tert butyl alcohol	5.179	59	2591	19.639	ug/l #	74
16) Acetone	4.161	43	40899	82.787	ug/l #	86
17) Carbon Disulfide	4.420	76	4766	2.557	ug/l	98
20) Methylene Chloride	4.961	84	3866	Below Cal	#	87
25) 2-Butanone	7.214	43	14430	21.907	ug/l #	90
31) Cyclohexane	7.979	56	7085	1.993	ug/l #	23
36) 1,1-Dichloropropene	7.967	75	17214	4.350	ug/l #	52
37) Ethyl Acetate	7.214	43	14430	8.325	ug/l #	72
38) Carbon Tetrachloride	7.973	117	20539	4.566	ug/l #	21
39) Methylcyclohexane	9.314	83	31061	6.976	ug/l #	39
43) Isopropyl Acetate	8.449	43	4346	1.292	ug/l #	54
48) Methyl methacrylate	9.479	41	5345	3.327	ug/l #	50
51) 4-Methyl-2-Pentanone	10.220	43	8057	4.560	ug/l #	52
55) 1,1,2-Trichloroethane	10.767	97	49724	21.433	ug/l #	22
56) Ethyl methacrylate	10.673	69	39775	14.637	ug/l #	19
59) 2-Hexanone	10.943	43	88672	72.656	ug/l #	34
61) 1,2-Dibromoethane	11.226	107	2327	1.110	ug/l #	1
74) N-amyl acetate	12.261	43	239013	63.275	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.696	83	49043	15.601	ug/l #	85
76) 1,2,3-Trichloropropane	12.620	75	117800	48.146	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	117800	119.454	ug/l #	14
90) Hexachloroethane	14.096	117	3621	1.129	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.514	75	843	1.680	ug/l #	14
95) Naphthalene	15.361	128	9191	1.114	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.596	180	7058	1.704	ug/l #	64

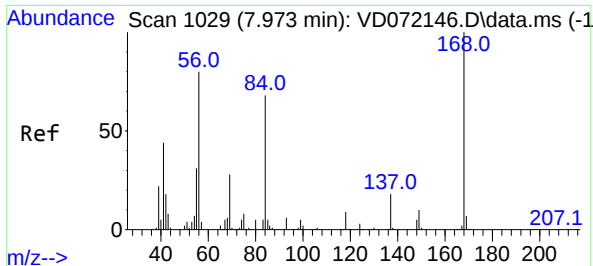
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
Data File : VD072192.D
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WC-14A-1A-1-(3.5-4.0)

Quant Time: Mar 16 01:00:46 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

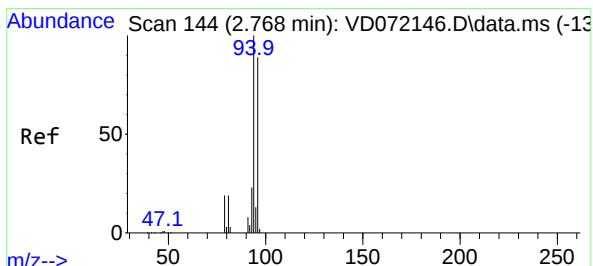
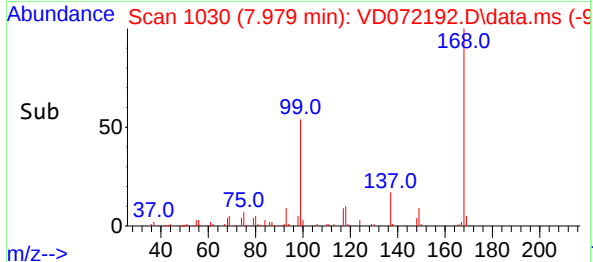
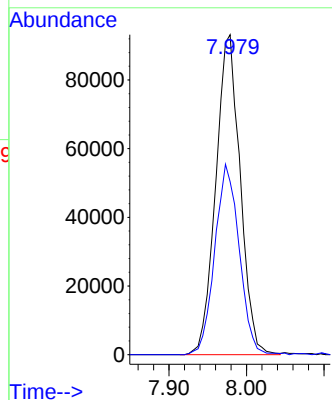
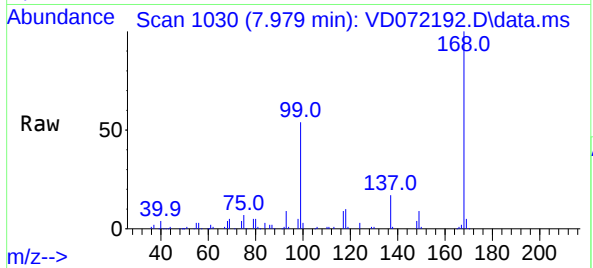




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

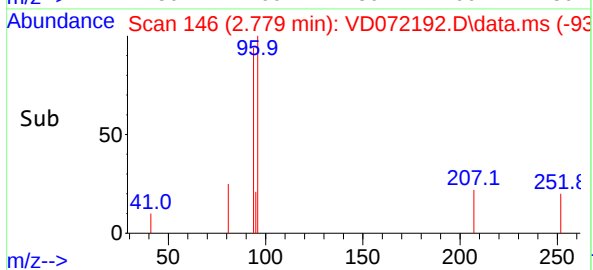
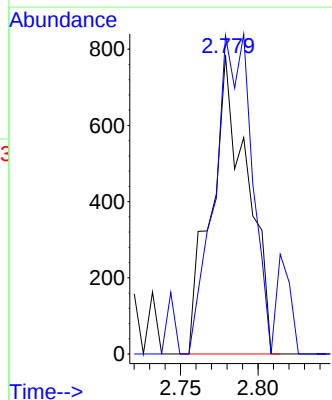
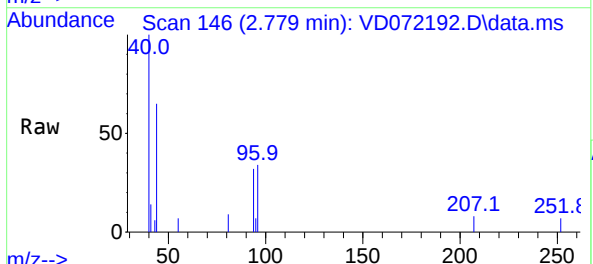
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

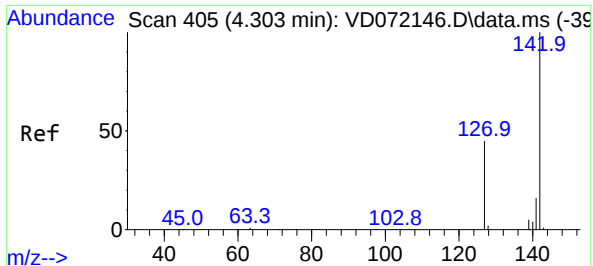
Tgt Ion:168 Resp: 204171
Ion Ratio Lower Upper
168 100
99 54.1 49.8 74.6



#5
Bromomethane
Concen: 1.201 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 94 Resp: 1267
Ion Ratio Lower Upper
94 100
96 106.5 77.6 116.4

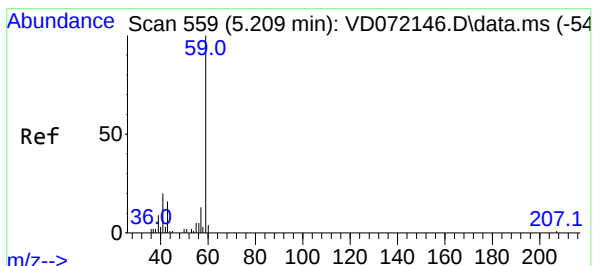
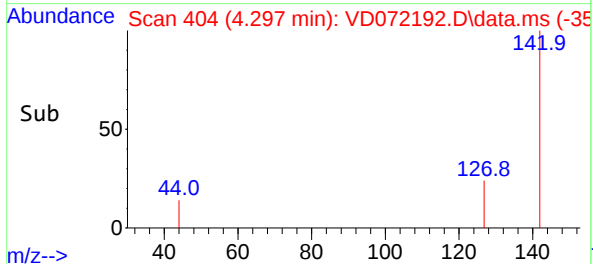
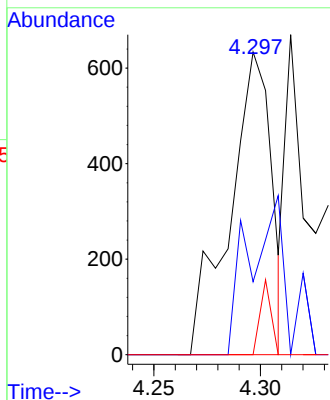
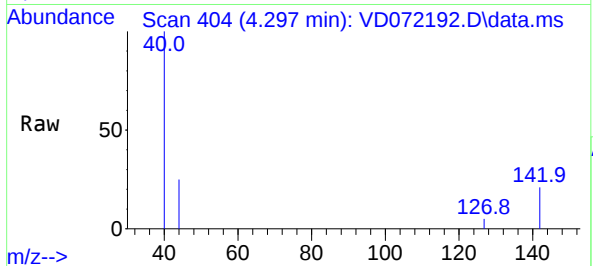




#10
Methyl Iodide
Concen: 2.624 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

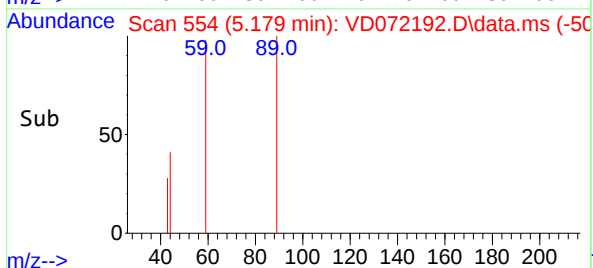
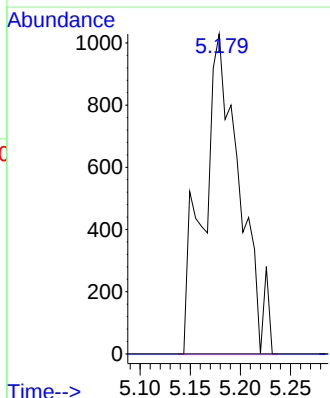
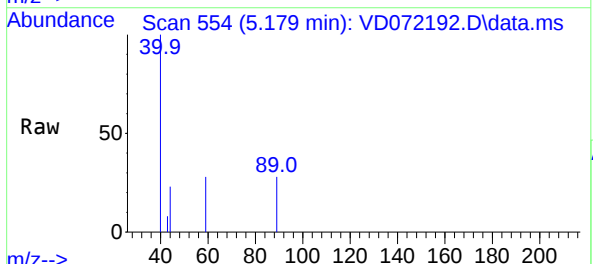
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

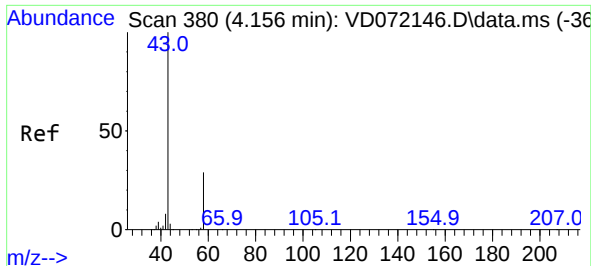
Tgt Ion:	142	Resp:	869
Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.3	55.9
141	6.3	11.7	17.5#



#11
Tert butyl alcohol
Concen: 19.639 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion:	59	Resp:	2591
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#

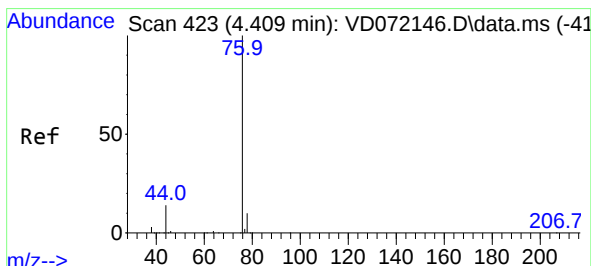
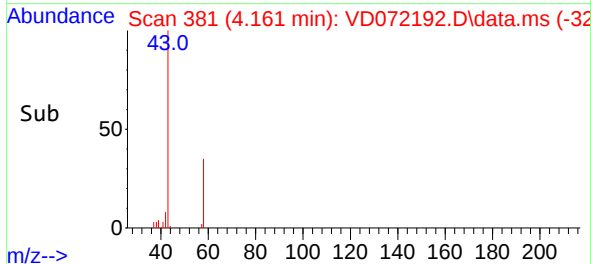
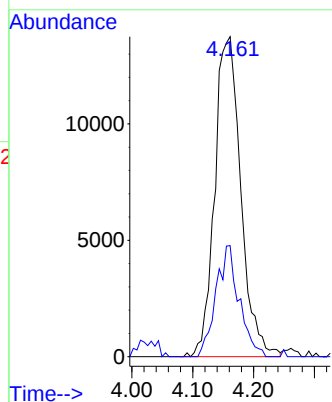
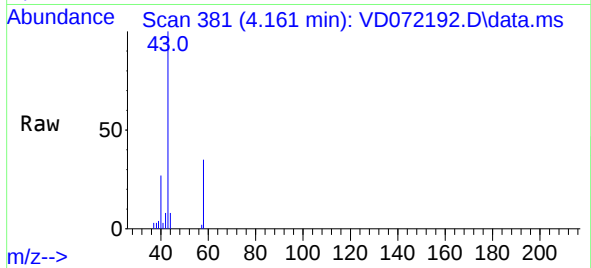




#16
Acetone
Concen: 82.787 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

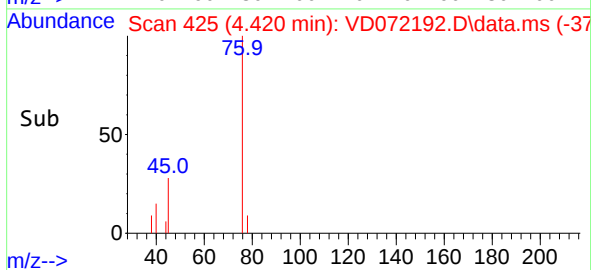
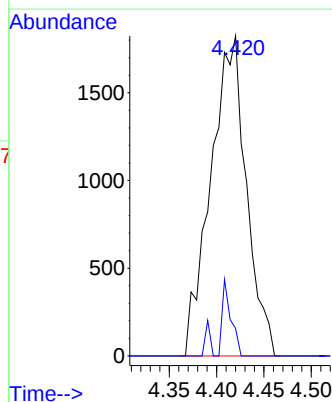
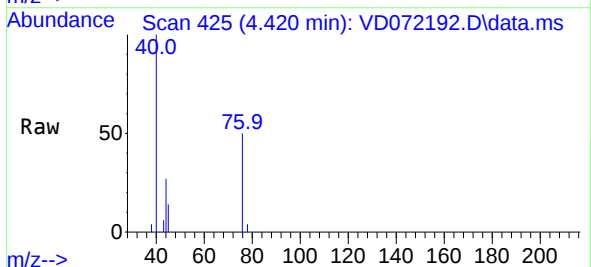
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

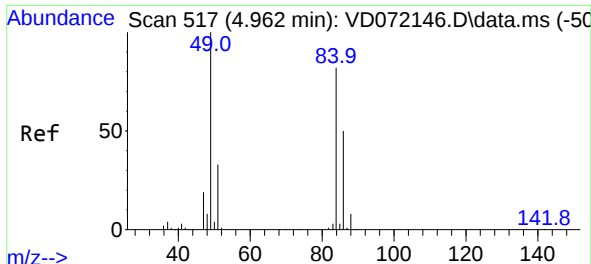
Tgt Ion: 43 Resp: 40899
Ion Ratio Lower Upper
43 100
58 34.7 22.1 33.1#



#17
Carbon Disulfide
Concen: 2.557 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.011 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 76 Resp: 4766
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3



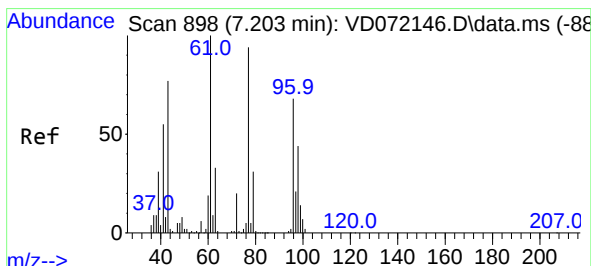
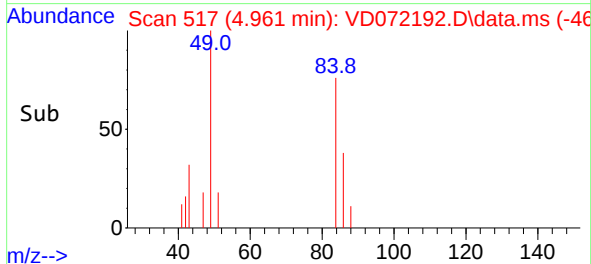
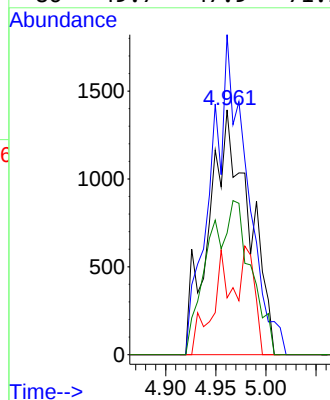
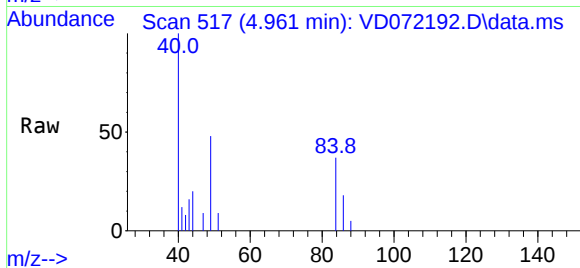


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

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

Tgt Ion: 84 Resp: 3866

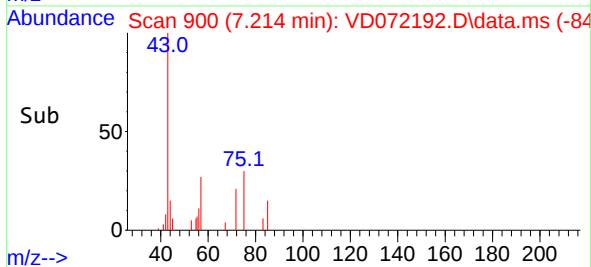
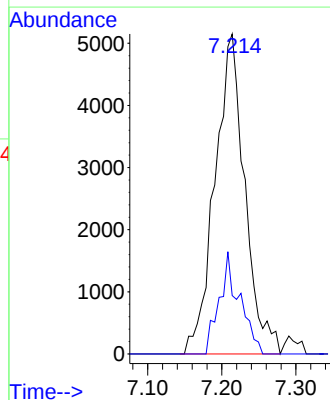
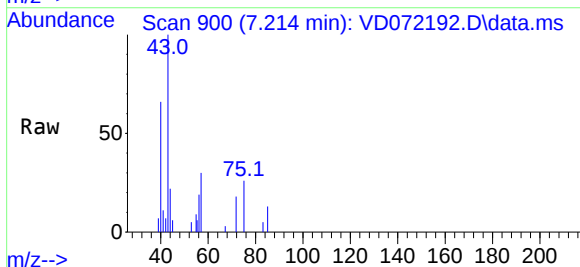
Ion	Ratio	Lower	Upper
84	100		
49	130.7	112.8	169.2
51	23.2	32.6	48.8#
86	49.7	47.9	71.9

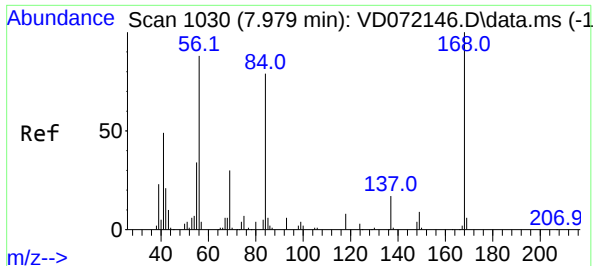


#25
2-Butanone
Concen: 21.907 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.011 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 43 Resp: 14430

Ion	Ratio	Lower	Upper
43	100		
72	18.2	18.6	27.8#

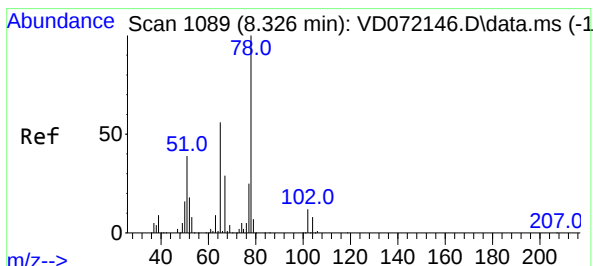
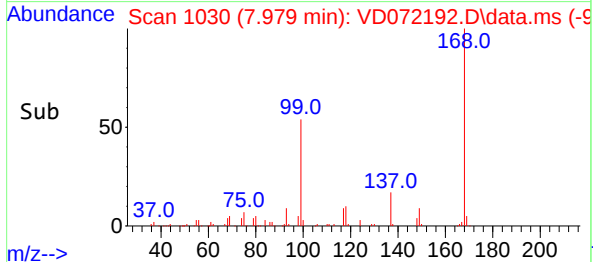
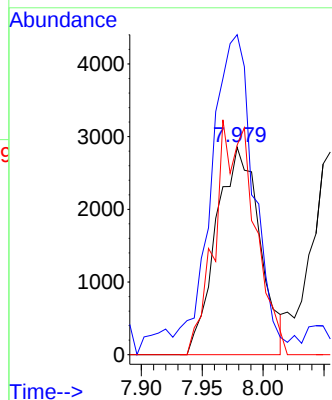
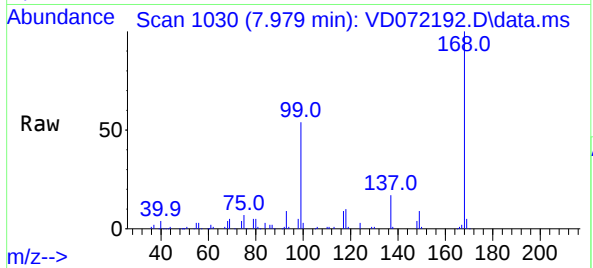




#31
Cyclohexane
Concen: 1.993 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

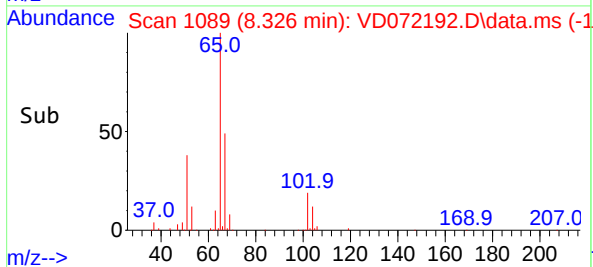
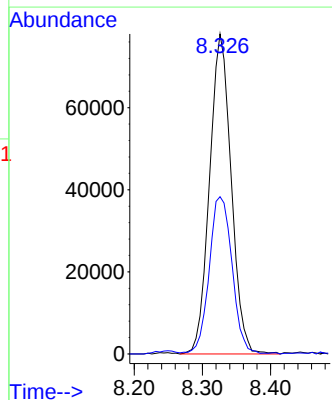
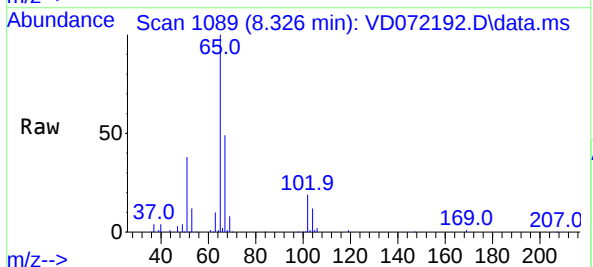
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

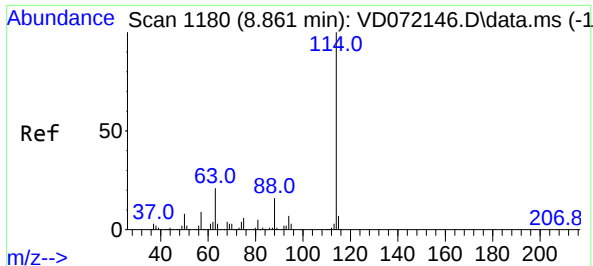
Tgt Ion: 56 Resp: 7085
Ion Ratio Lower Upper
56 100
69 145.8 25.4 38.2#
84 101.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 75.700 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 65 Resp: 172246
Ion Ratio Lower Upper
65 100
67 51.6 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: VD072192.D

Acq: 15 Mar 2022 16:46

Instrument :

MSVOA_D

ClientSampleId :

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

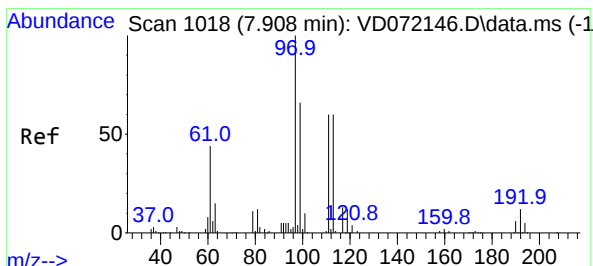
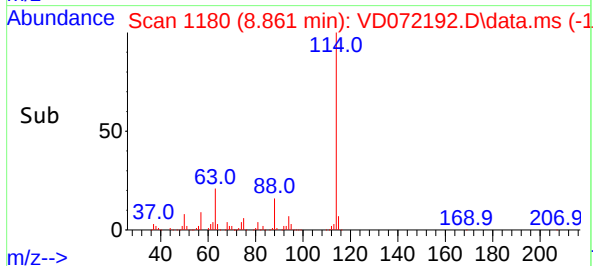
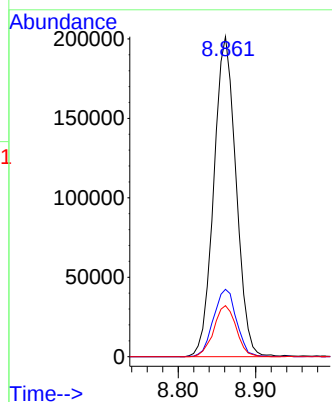
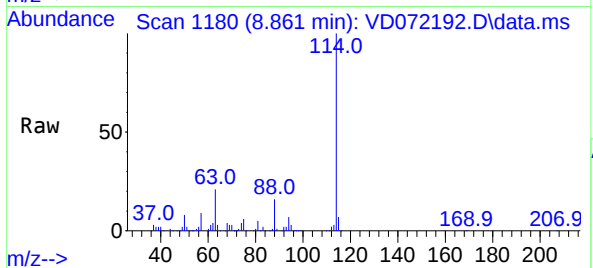
Tgt Ion:114 Resp: 400831

Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.647 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072192.D

Acq: 15 Mar 2022 16:46

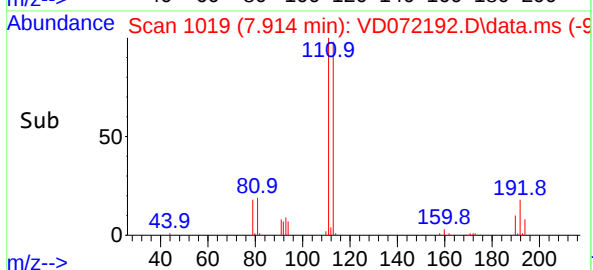
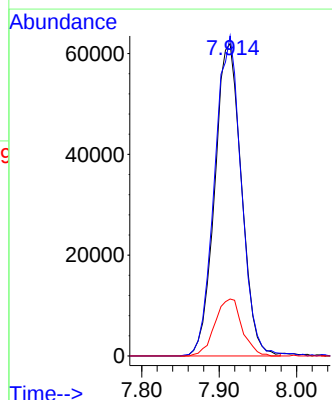
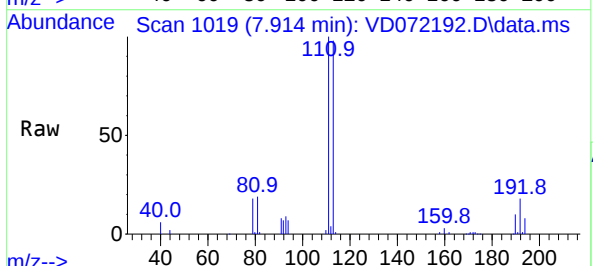
Tgt Ion:113 Resp: 148501

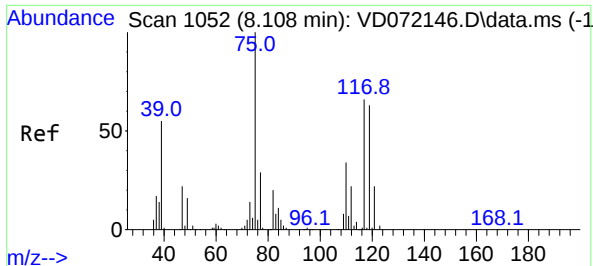
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.5 14.6 21.8

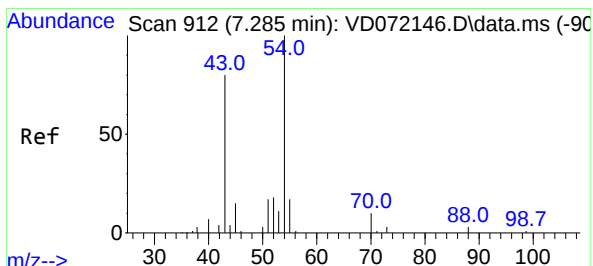
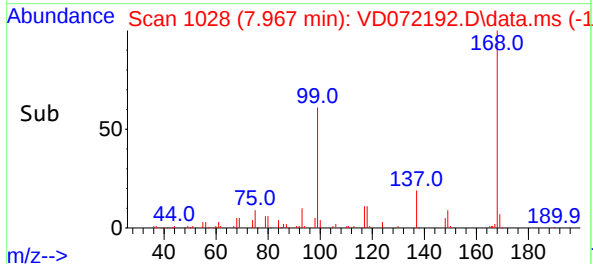
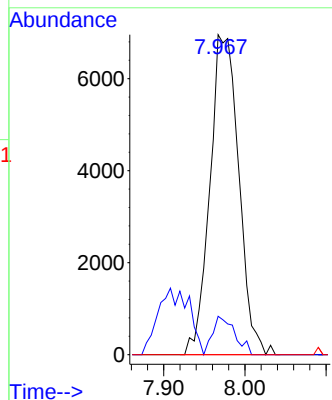
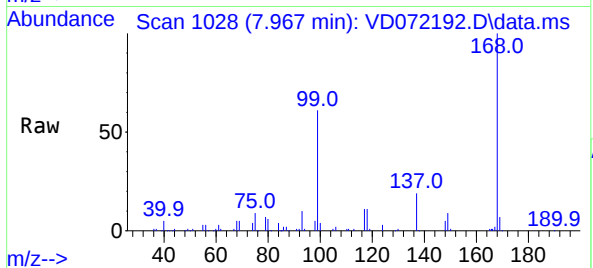




#36
1,1-Dichloropropene
Concen: 4.350 ug/l
RT: 7.967 min Scan# 1052
Delta R.T. -0.142 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

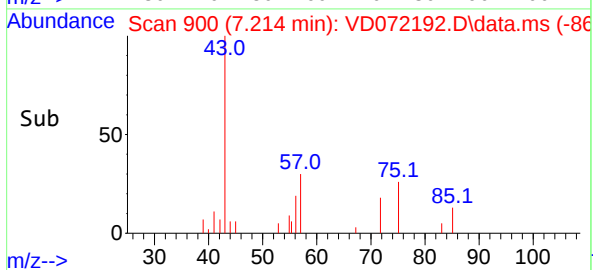
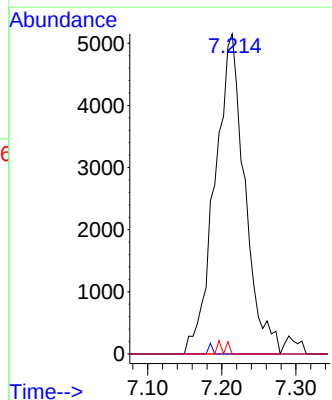
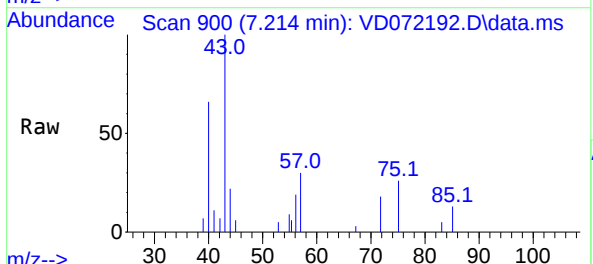
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

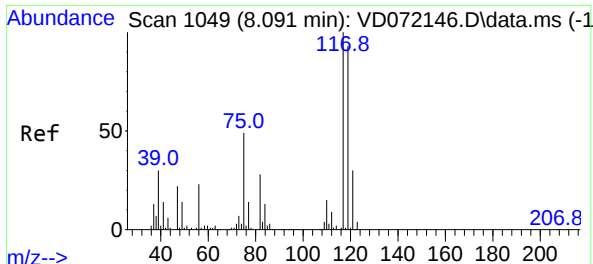
Tgt Ion: 75 Resp: 17214
Ion Ratio Lower Upper
75 100
110 9.1 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 8.325 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.071 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 43 Resp: 14430
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#

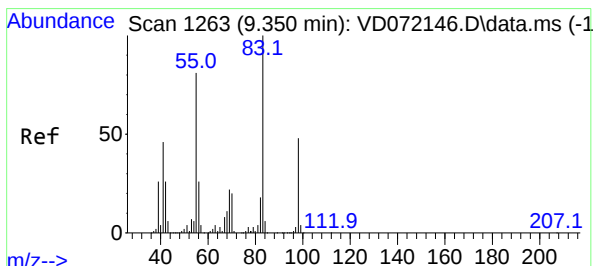
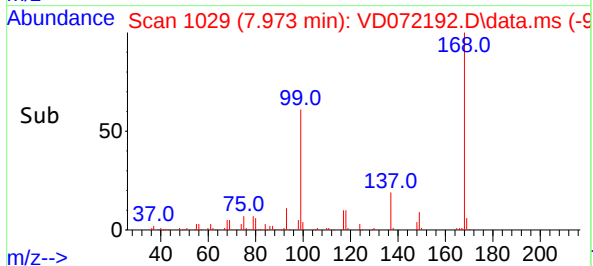
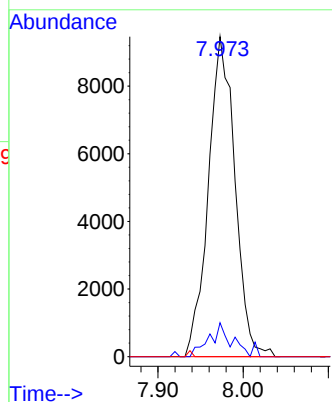
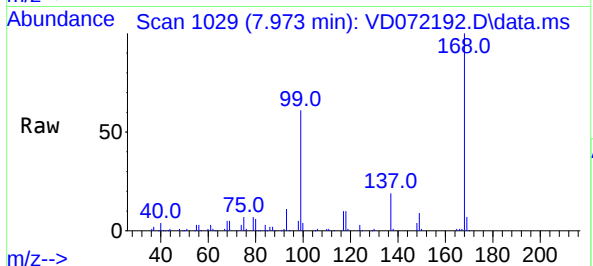




#38
Carbon Tetrachloride
Concen: 4.566 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

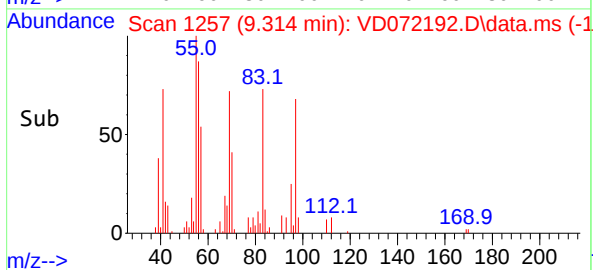
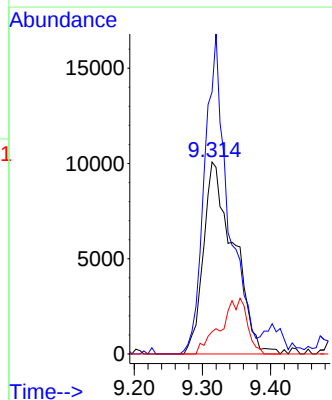
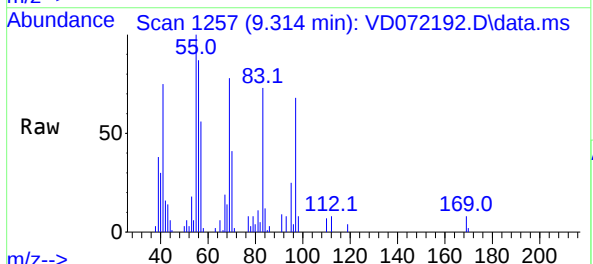
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

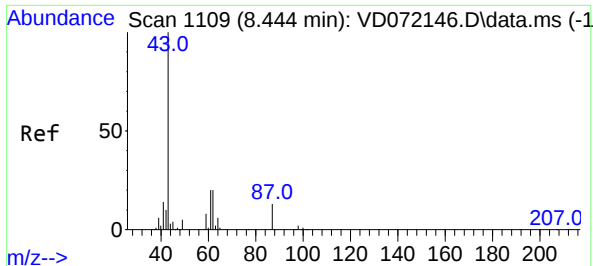
Tgt Ion:117 Resp: 20539
Ion Ratio Lower Upper
117 100
119 10.6 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 6.976 ug/l
RT: 9.314 min Scan# 1257
Delta R.T. -0.036 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 83 Resp: 31061
Ion Ratio Lower Upper
83 100
55 136.4 63.2 94.8#
98 11.6 38.2 57.4#

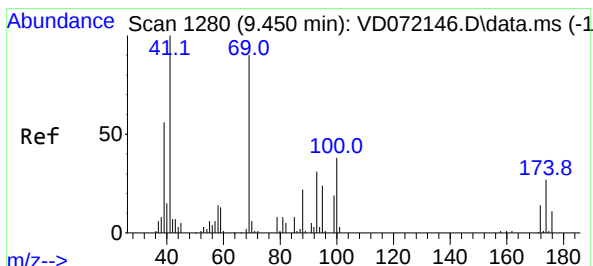
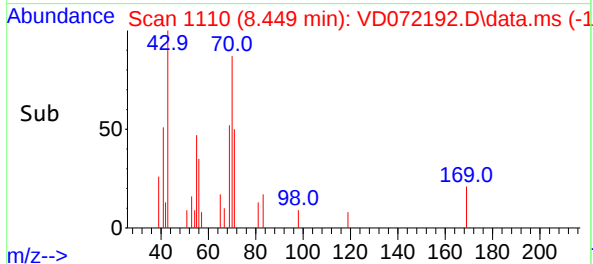
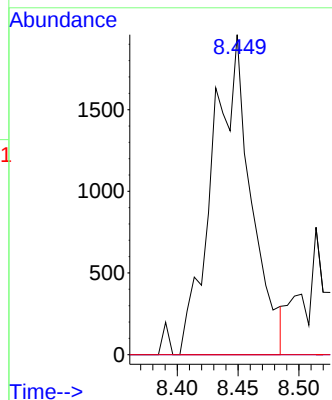
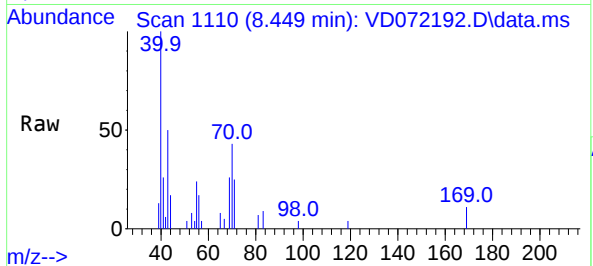




#43
Isopropyl Acetate
Concen: 1.292 ug/l
RT: 8.449 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

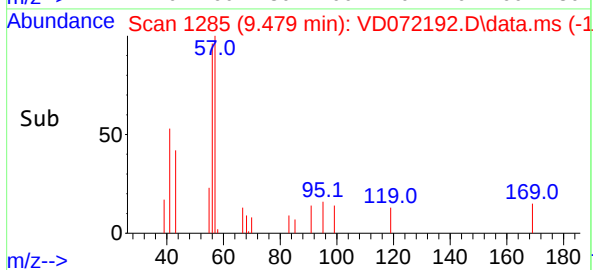
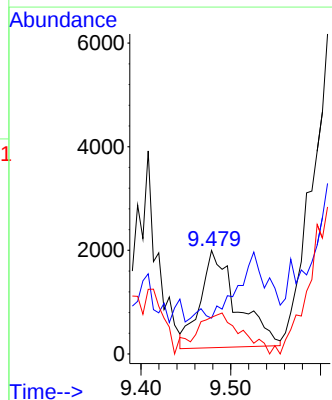
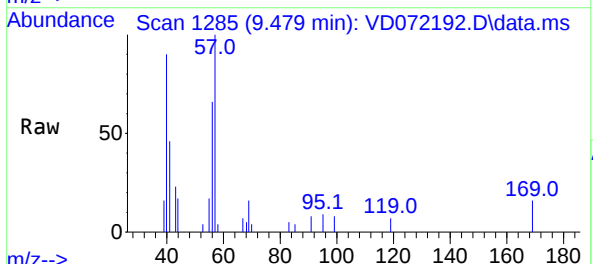
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

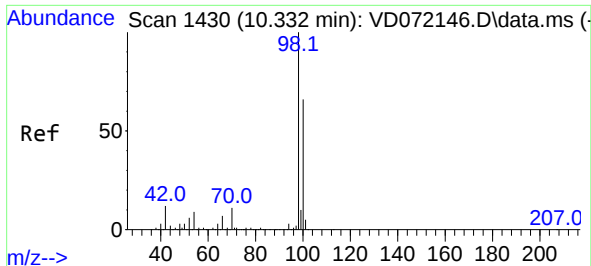
Tgt Ion:	43	Resp:	4346
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.4	33.6#
87	0.0	8.7	13.1#



#48
Methyl methacrylate
Concen: 3.327 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.029 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion:	41	Resp:	5345
Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.7	85.1#
39	51.5	42.7	64.1

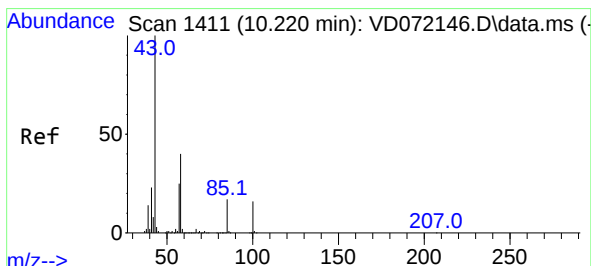
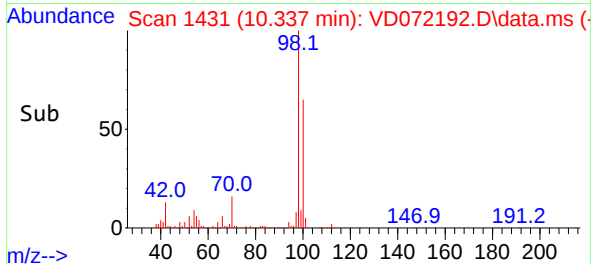
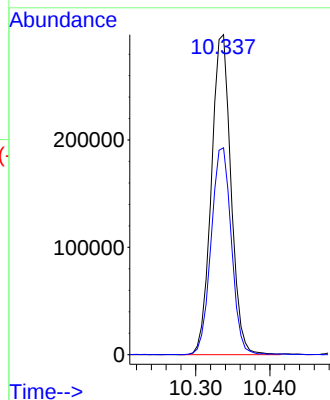
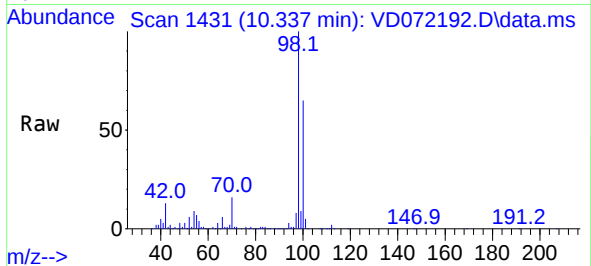




#50
Toluene-d8
Concen: 53.097 ug/l
RT: 10.337 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

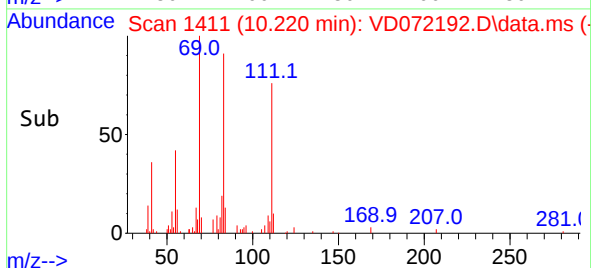
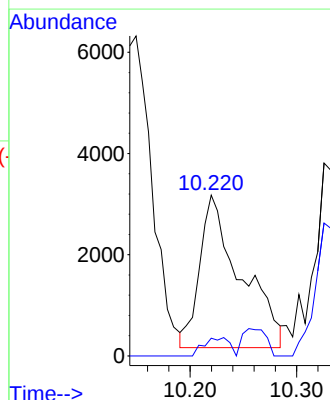
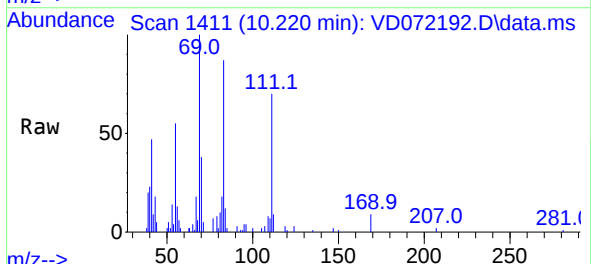
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

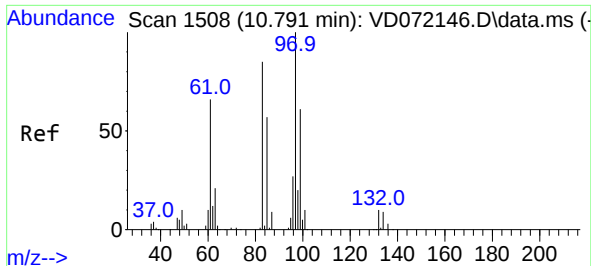
Tgt Ion: 98 Resp: 547632
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 4.560 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.000 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 43 Resp: 8057
Ion Ratio Lower Upper
43 100
58 7.4 28.6 43.0#

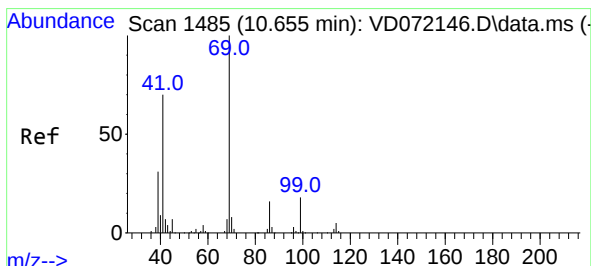
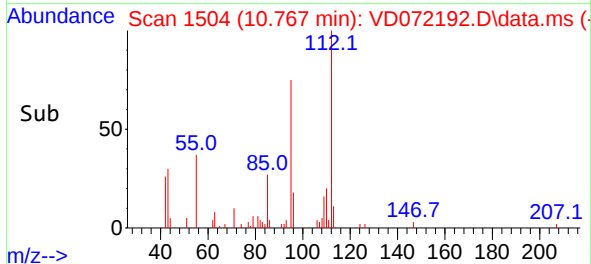
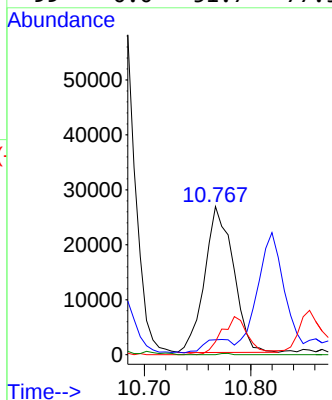
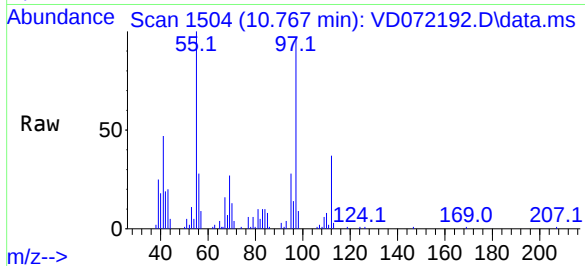




#55
1,1,2-Trichloroethane
Concen: 21.433 ug/l
RT: 10.767 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

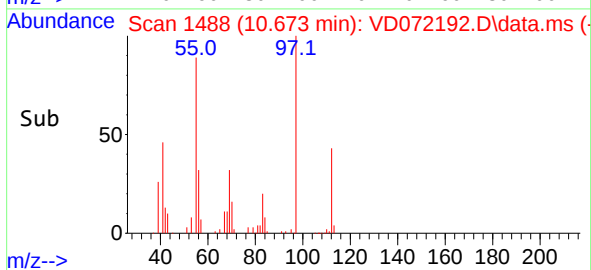
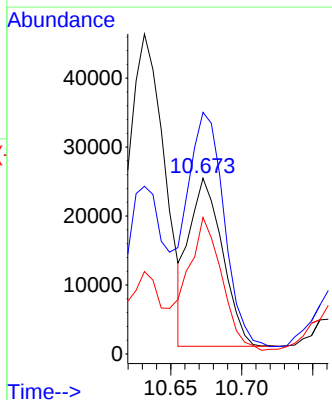
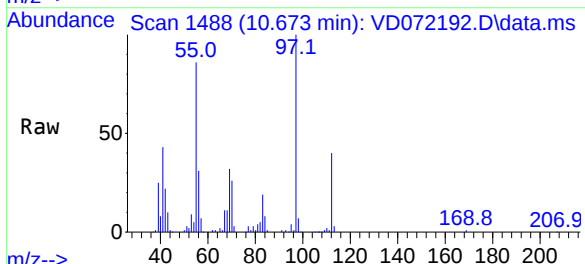
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

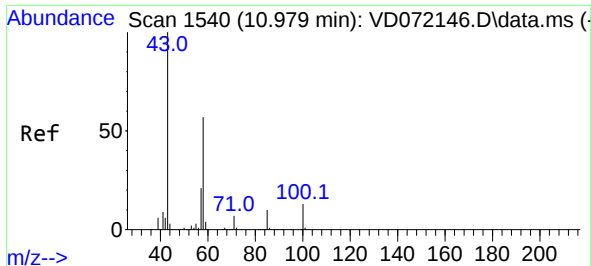
Tgt Ion:	97	Resp:	49724
Ion	Ratio	Lower	Upper
97	100		
83	8.3	69.0	103.4#
85	8.9	42.6	63.8#
99	0.0	51.7	77.5#



#56
Ethyl methacrylate
Concen: 14.637 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.017 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion:	69	Resp:	39775
Ion	Ratio	Lower	Upper
69	100		
41	160.1	63.0	94.6#
39	80.0	33.8	50.8#

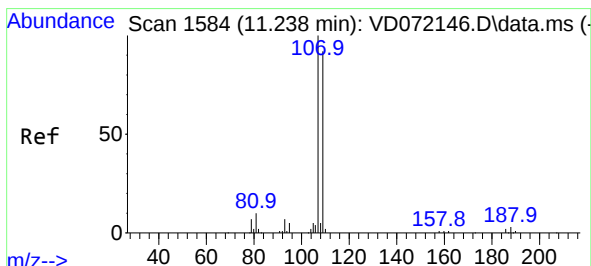
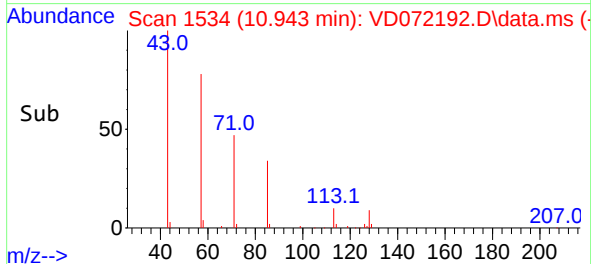
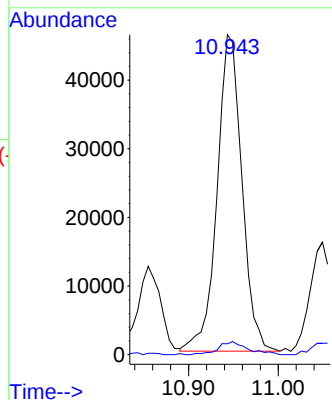
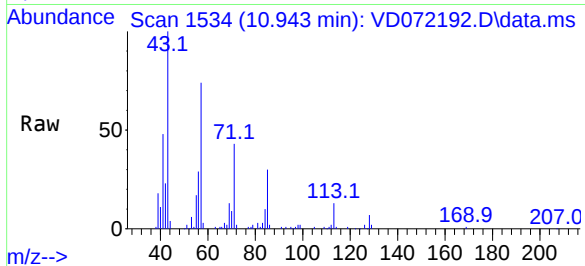




#59
2-Hexanone
Concen: 72.656 ug/l
RT: 10.943 min Scan# 11
Delta R.T. -0.036 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

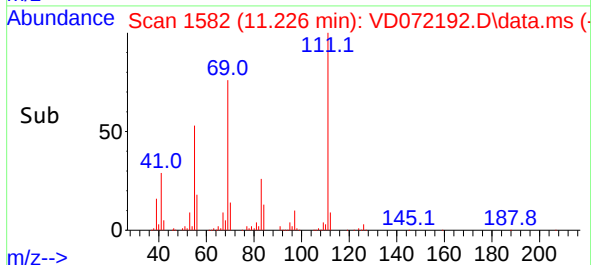
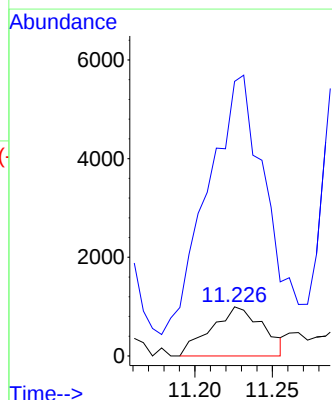
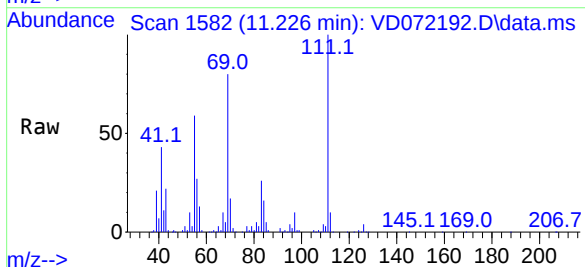
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

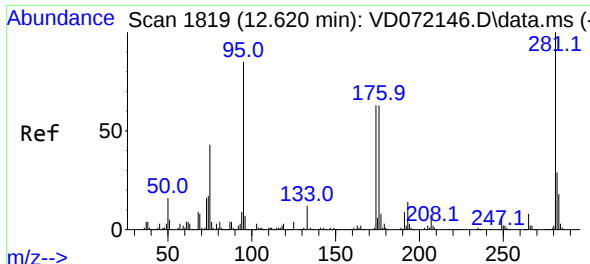
Tgt Ion: 43 Resp: 88672
Ion Ratio Lower Upper
43 100
58 4.8 25.3 75.9#



#61
1,2-Dibromoethane
Concen: 1.110 ug/l
RT: 11.226 min Scan# 1582
Delta R.T. -0.012 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion:107 Resp: 2327
Ion Ratio Lower Upper
107 100
109 581.7 74.2 111.4#

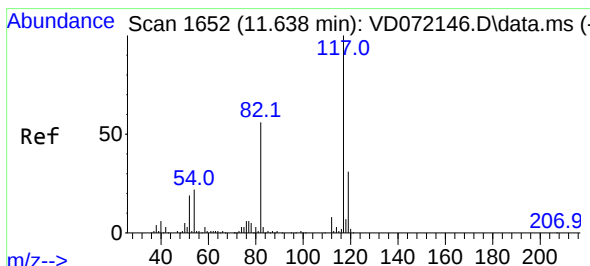
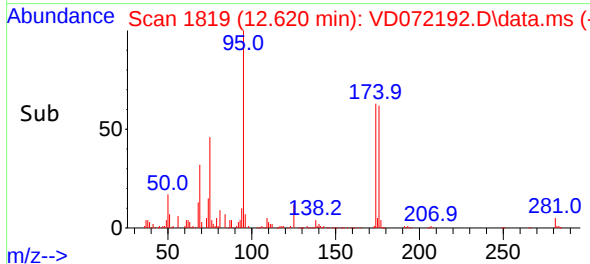
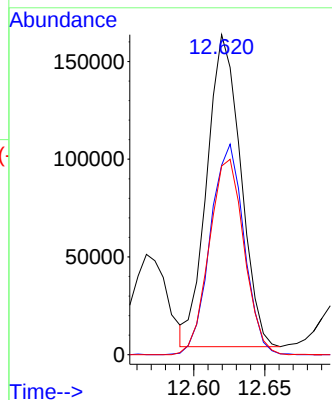
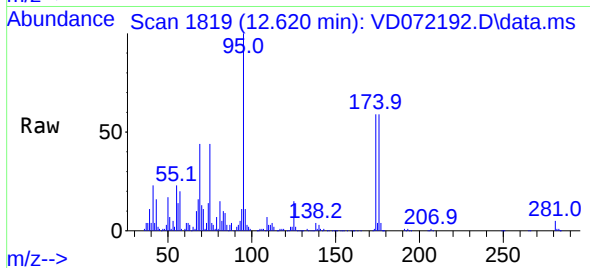




#62
4-Bromofluorobenzene
Concen: 65.785 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

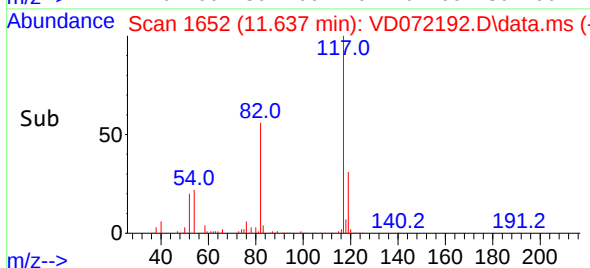
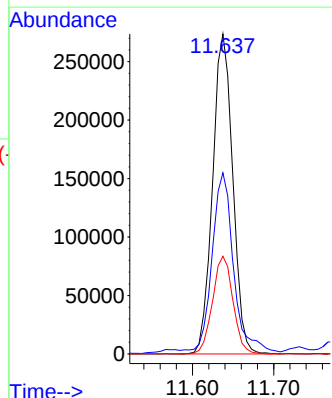
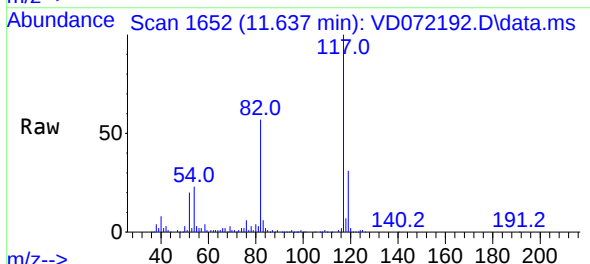
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

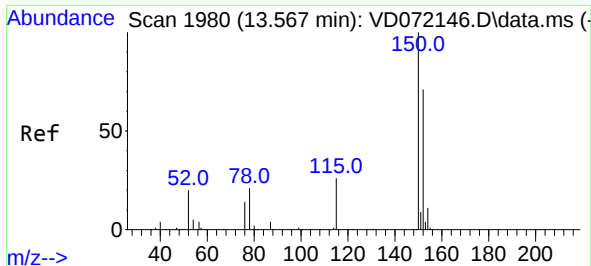
Tgt Ion: 95 Resp: 263632
Ion Ratio Lower Upper
95 100
174 67.4 0.0 152.8
176 64.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 117 Resp: 471464
Ion Ratio Lower Upper
117 100
82 56.0 45.3 67.9
119 30.6 26.6 40.0

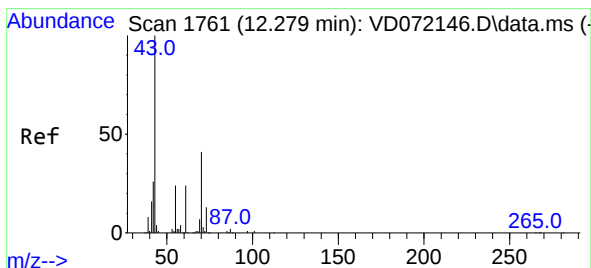
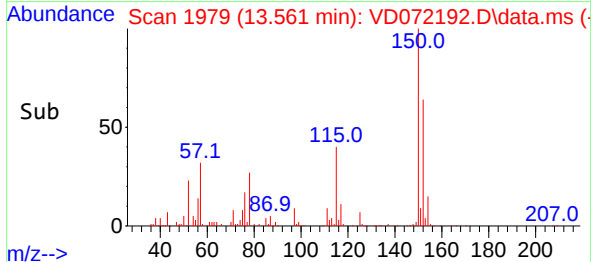
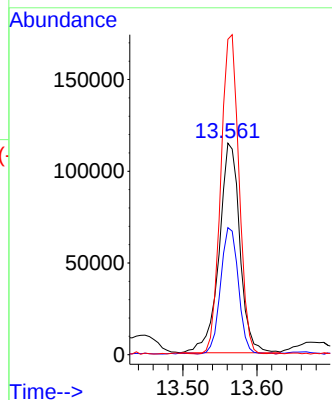
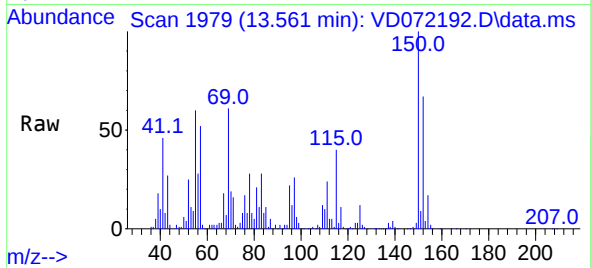




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

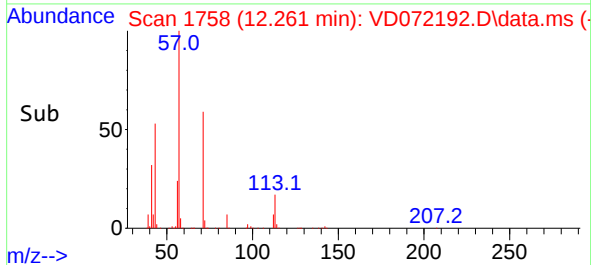
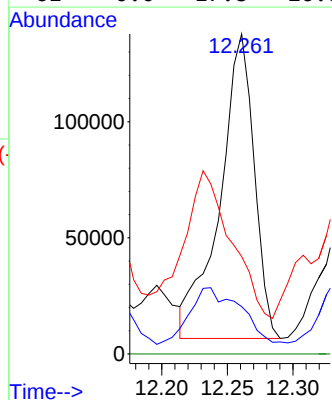
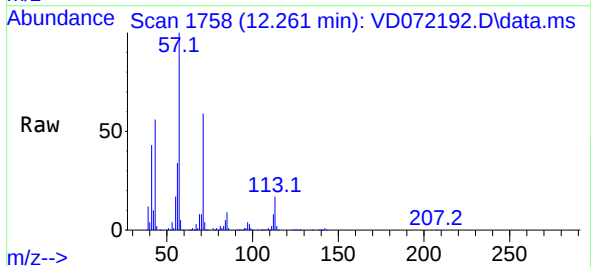
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

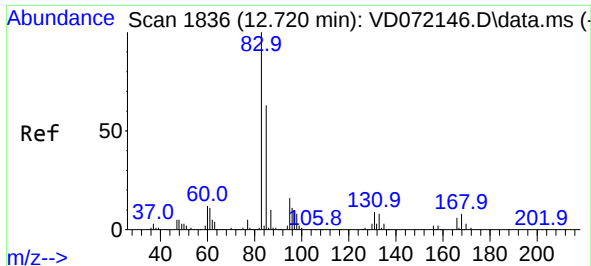
Tgt Ion:152 Resp: 221809
Ion Ratio Lower Upper
152 100
115 51.7 31.3 93.8
150 133.8 0.0 348.6



#74
N-ethyl acetate
Concen: 63.275 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 43 Resp: 239013
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#

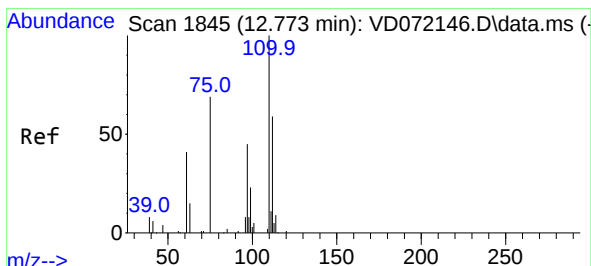
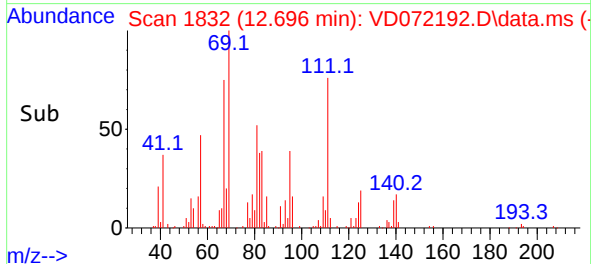
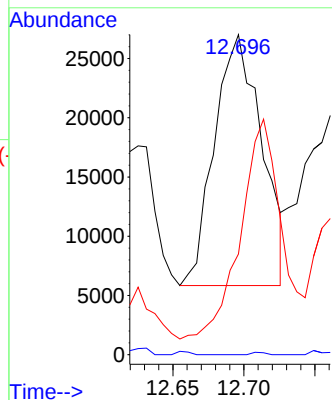
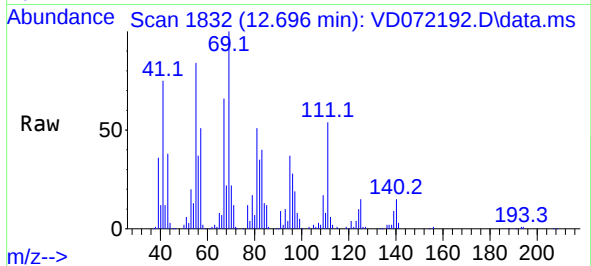




#75
1,1,2,2-Tetrachloroethane
Concen: 15.601 ug/l
RT: 12.696 min Scan# 1832
Delta R.T. -0.024 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

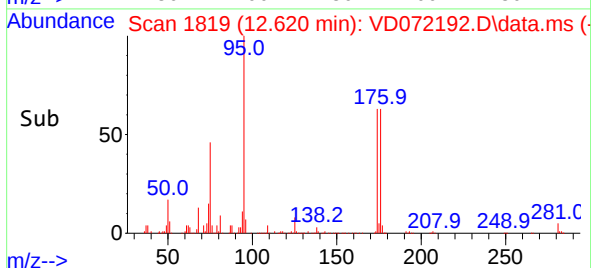
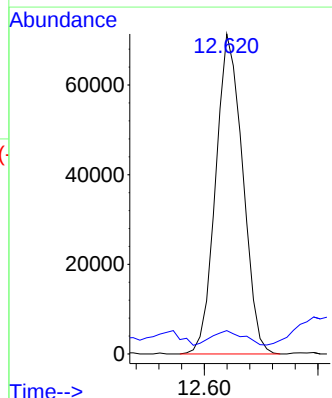
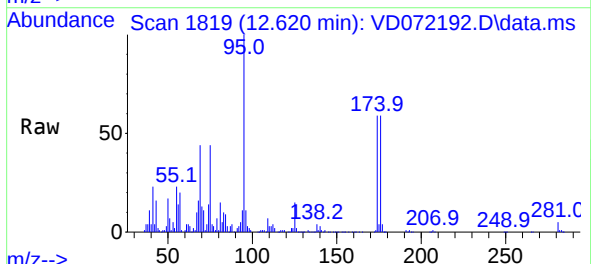
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

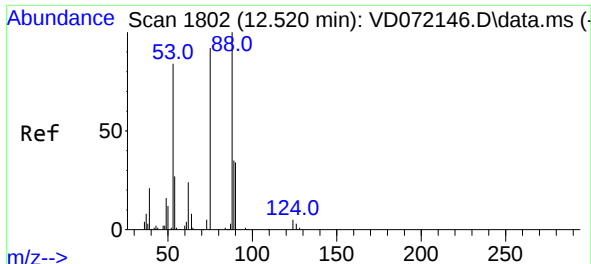
Tgt Ion: 83 Resp: 49043
Ion Ratio Lower Upper
83 100
131 0.3 5.0 14.9#
85 75.6 32.6 98.0



#76
1,2,3-Trichloropropane
Concen: 48.146 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 75 Resp: 117800
Ion Ratio Lower Upper
75 100
77 5.3 0.0 0.0#

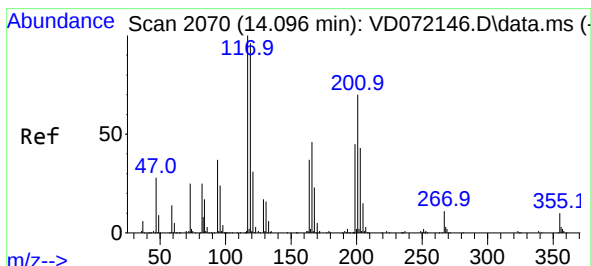
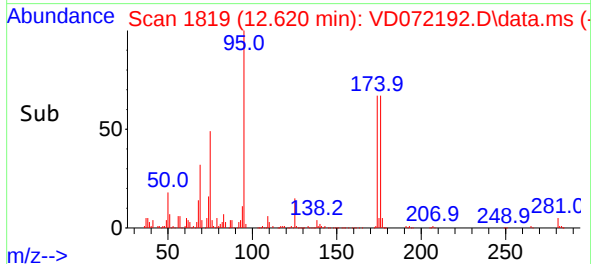
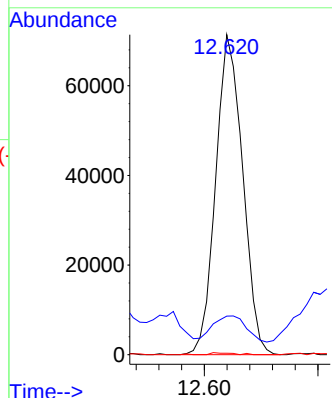
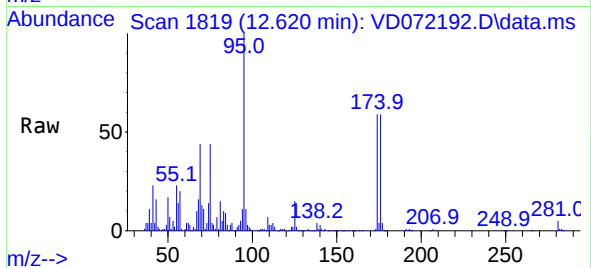




#81
trans-1,4-Dichloro-2-butene
Concen: 119.454 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

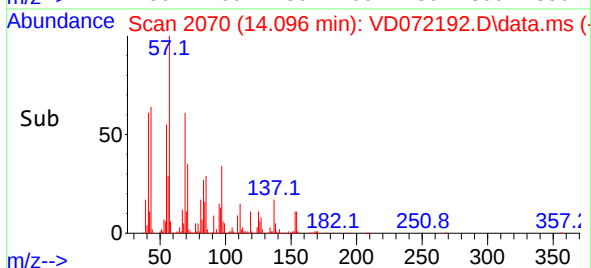
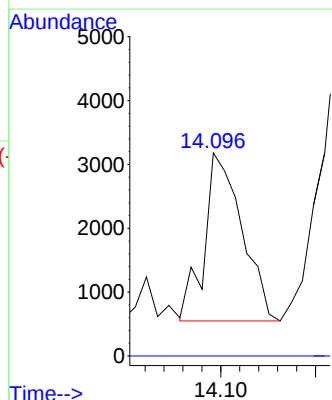
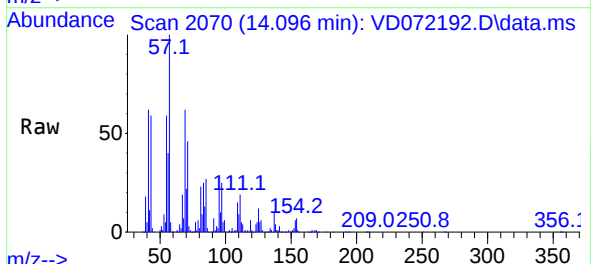
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-1-(3.5-4.0)

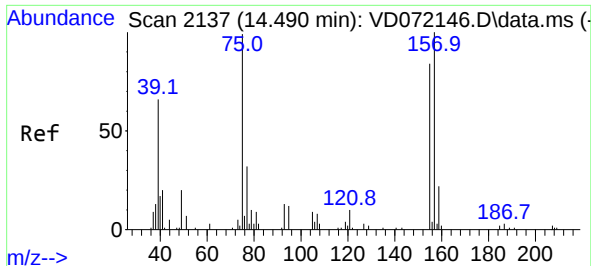
Tgt Ion: 75 Resp: 117800
Ion Ratio Lower Upper
75 100
53 10.1 86.5 129.7#
89 0.5 33.9 50.9#



#90
Hexachloroethane
Concen: 1.129 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VD072192.D
Acq: 15 Mar 2022 16:46

Tgt Ion: 117 Resp: 3621
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.680 ug/l

RT: 14.514 min Scan# 2141

Delta R.T. 0.023 min

Lab File: VD072192.D

Acq: 15 Mar 2022 16:46

Instrument :

MSVOA_D

ClientSampleId :

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

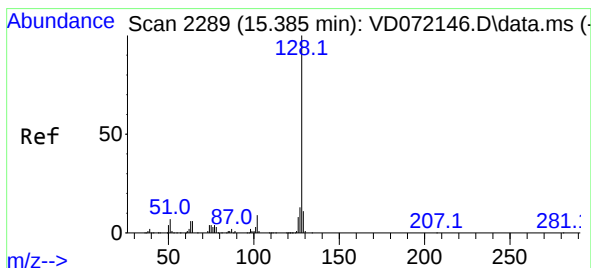
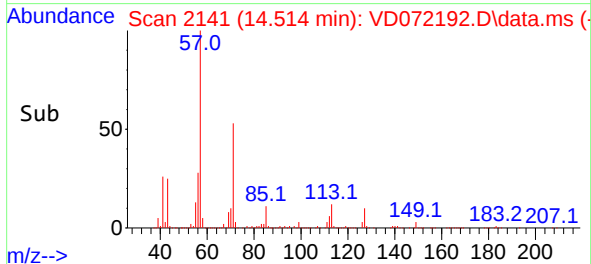
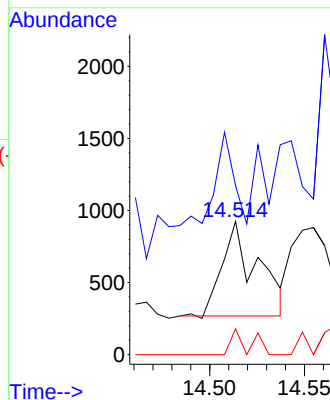
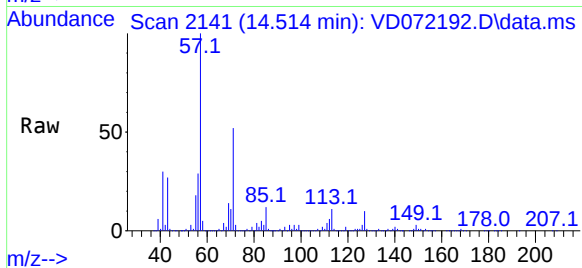
Tgt Ion: 75 Resp: 843

Ion Ratio Lower Upper

75 100

155 0.0 36.8 110.3#

157 13.8 48.4 145.0#



#95

Naphthalene

Concen: 1.114 ug/l

RT: 15.361 min Scan# 2285

Delta R.T. -0.024 min

Lab File: VD072192.D

Acq: 15 Mar 2022 16:46

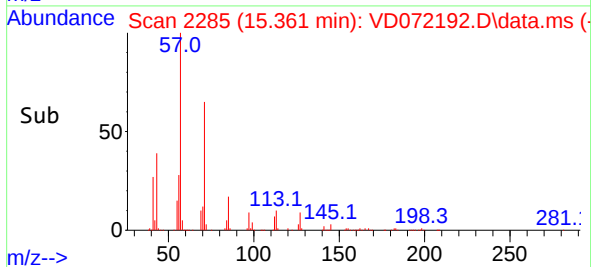
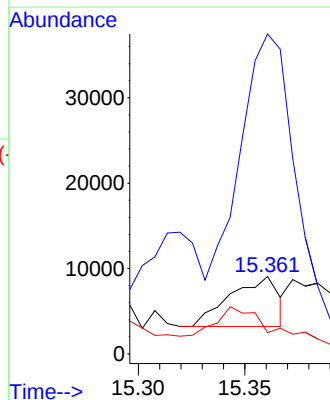
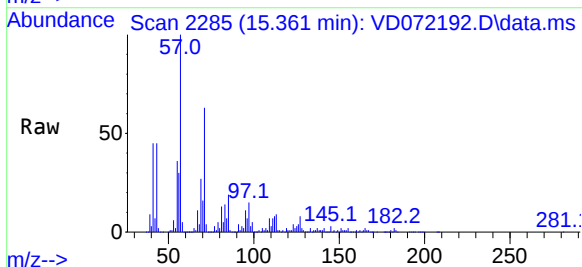
Tgt Ion: 128 Resp: 9191

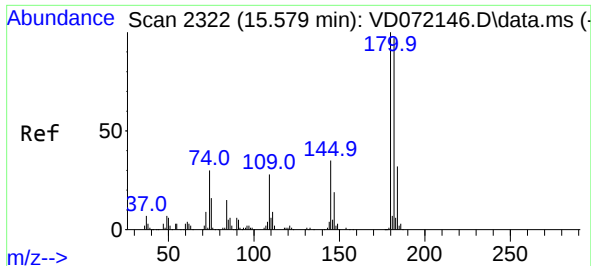
Ion Ratio Lower Upper

128 100

127 700.8 10.3 15.5#

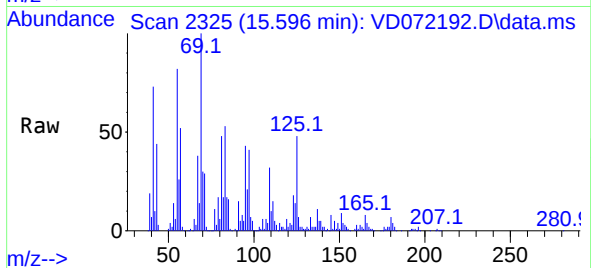
129 91.5 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.704 ug/l
 RT: 15.596 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: VD072192.D
 Acq: 15 Mar 2022 16:46

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



Tgt Ion:180 Resp: 7058
 Ion Ratio Lower Upper
 180 100
 182 68.0 47.6 142.9
 145 0.0 17.1 51.3#

