

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072191.D
 Acq On : 15 Mar 2022 16:18
 Operator : VA/SY
 Sample : N1905-03
 Misc : 3.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-3-(3.0-3.5)

Quant Time: Mar 16 01:00:28 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)

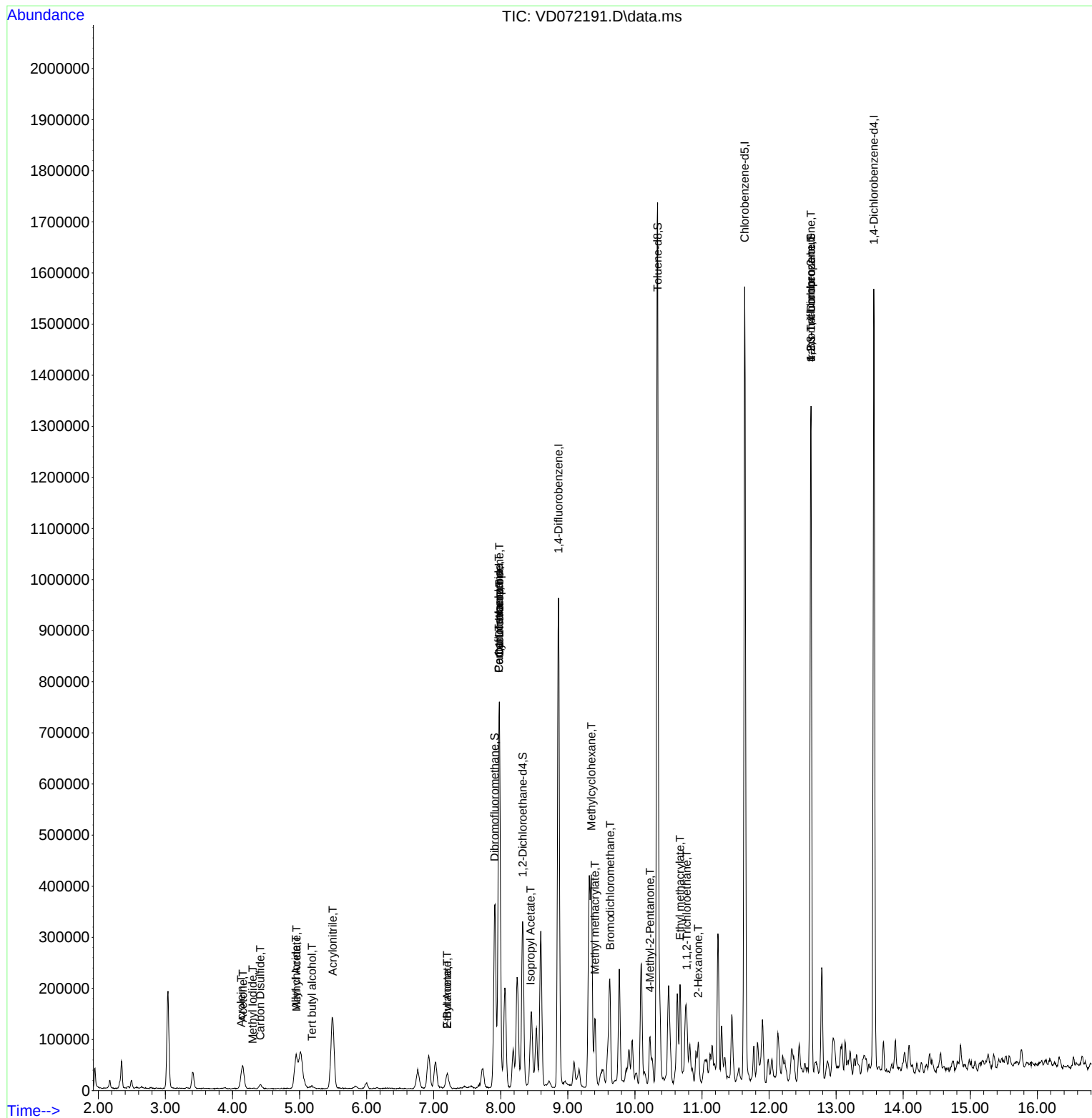
Internal Standards						
1) Pentafluorobenzene	7.973	168	411223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	798046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	854682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	401707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	256327	55.932	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.860%			
35) Dibromofluoromethane	7.908	113	259333	46.178	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.360%			
50) Toluene-d8	10.338	98	1054382	51.346	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.700%			
62) 4-Bromofluorobenzene	12.626	95	406756	50.979	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.960%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	954	2.443	ug/l #	90
11) Tert butyl alcohol	5.185	59	3196	12.028	ug/l #	74
13) Acrolein	4.132	56	5922	24.976	ug/l	91
14) Allyl chloride	4.950	41	26411	3.997	ug/l #	60
15) Acrylonitrile	5.497	53	7104	6.919	ug/l #	33
16) Acetone	4.156	43	61261	61.567	ug/l	93
17) Carbon Disulfide	4.414	76	14753	3.124	ug/l #	89
18) Methyl Acetate	4.956	43	53984	22.139	ug/l #	55
20) Methylene Chloride	4.961	84	9196	Below Cal	#	75
25) 2-Butanone	7.202	43	20143	15.183	ug/l	96
31) Cyclohexane	7.979	56	114556	15.999	ug/l #	89
36) 1,1-Dichloropropene	7.979	75	33556	4.259	ug/l #	60
37) Ethyl Acetate	7.202	43	20143	5.837	ug/l #	74
38) Carbon Tetrachloride	7.973	117	41184	4.599	ug/l #	17
39) Methylcyclohexane	9.349	83	177177	19.985	ug/l	89
43) Isopropyl Acetate	8.444	43	39556	5.905	ug/l #	54
47) Bromodichloromethane	9.632	83	10089	1.141	ug/l #	32
48) Methyl methacrylate	9.402	41	25422	7.948	ug/l #	56
51) 4-Methyl-2-Pentanone	10.226	43	4581	1.302	ug/l #	62
55) 1,1,2-Trichloroethane	10.773	97	37788	8.181	ug/l #	23
56) Ethyl methacrylate	10.673	69	15763	2.914	ug/l #	1
59) 2-Hexanone	10.943	43	29735	12.237	ug/l #	34
76) 1,2,3-Trichloropropane	12.626	75	214351	48.373	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	214351	120.019	ug/l #	7

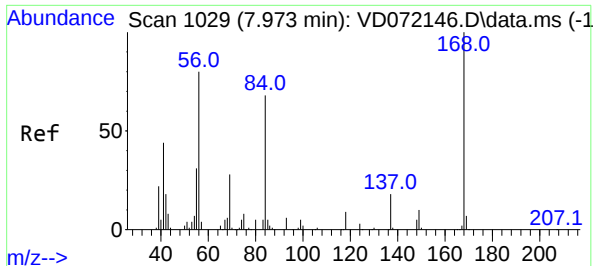
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
Data File : VD072191.D
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WC-14A-1A-3-(3.0-3.5)

Quant Time: Mar 16 01:00:28 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

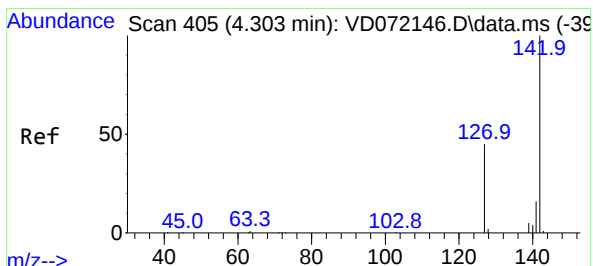
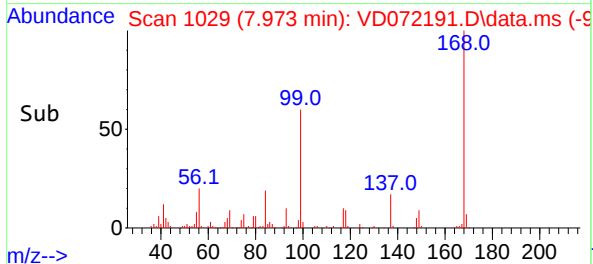
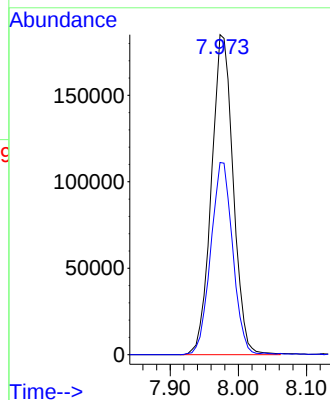
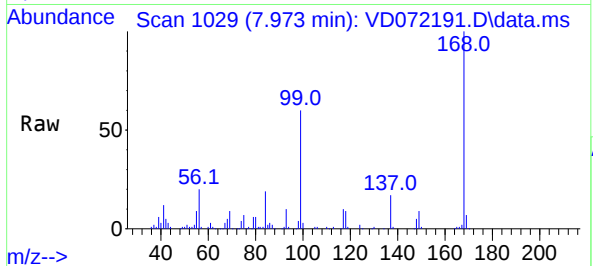




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

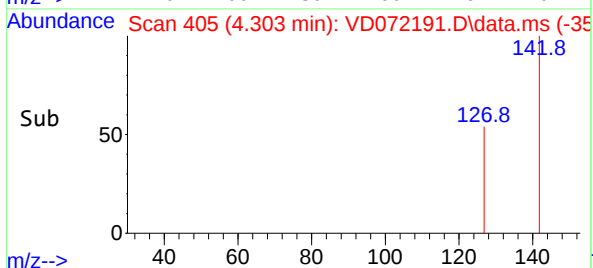
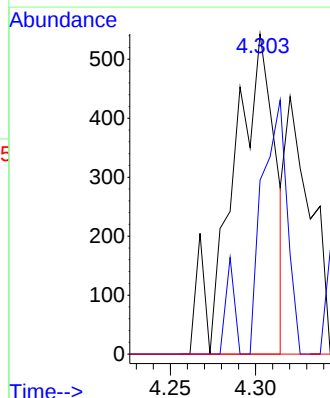
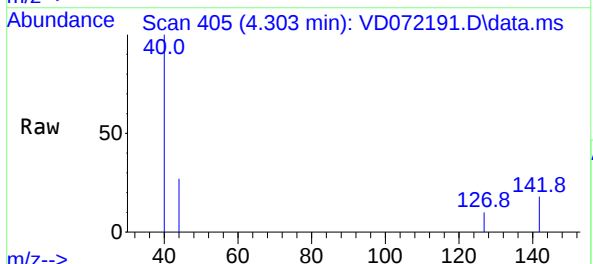
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

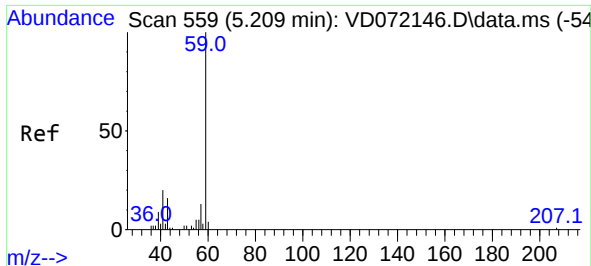
Tgt Ion:168 Resp: 411223
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#10
Methyl Iodide
Concen: 2.443 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

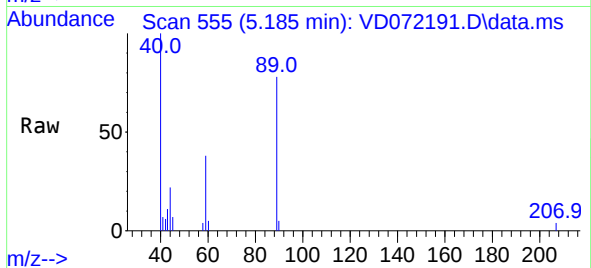
Tgt Ion:142 Resp: 954
Ion Ratio Lower Upper
142 100
127 45.5 37.3 55.9
141 0.0 11.7 17.5#



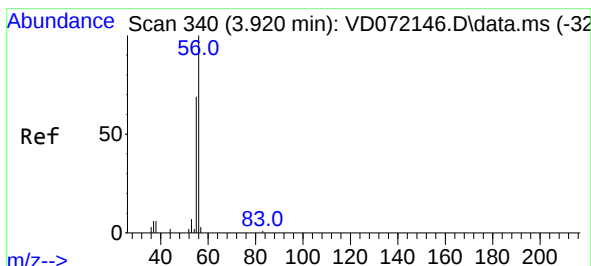
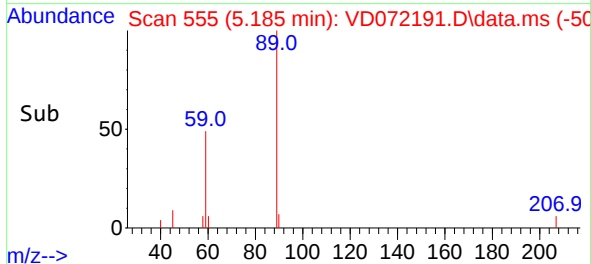
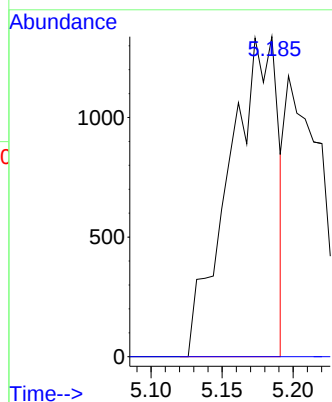


#11
Tert butyl alcohol
Concen: 12.028 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

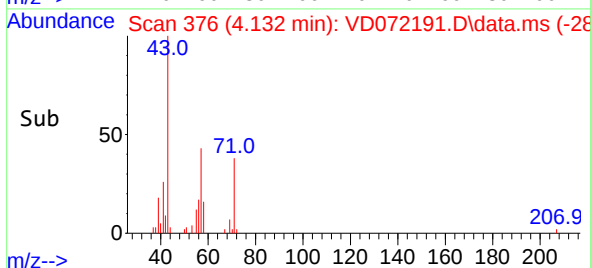
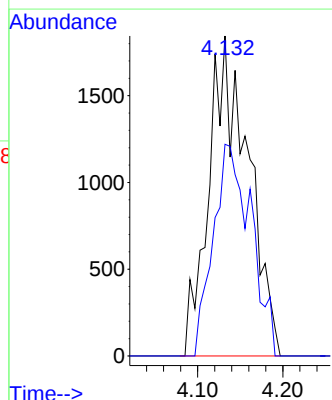
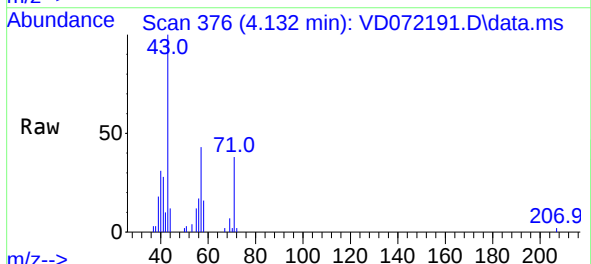


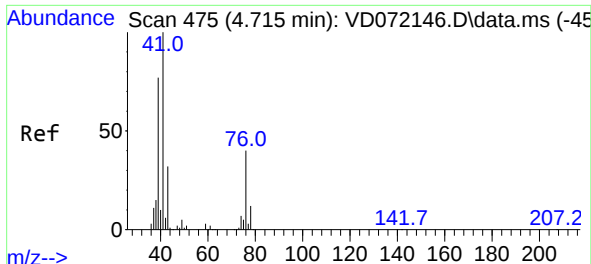
Tgt Ion: 59 Resp: 3196
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: 24.976 ug/l
RT: 4.132 min Scan# 376
Delta R.T. 0.212 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 56 Resp: 5922
Ion Ratio Lower Upper
56 100
55 63.5 57.1 85.7

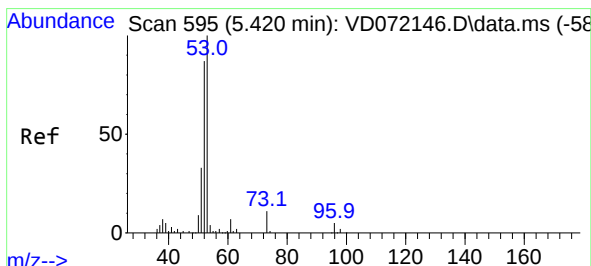
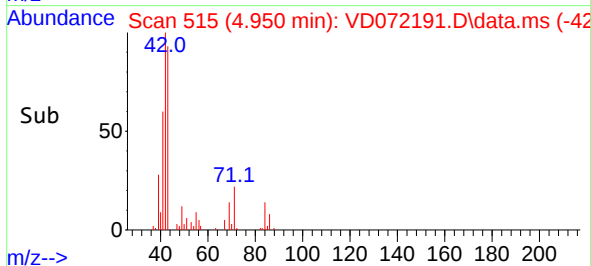
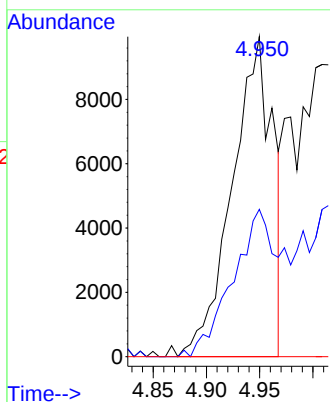
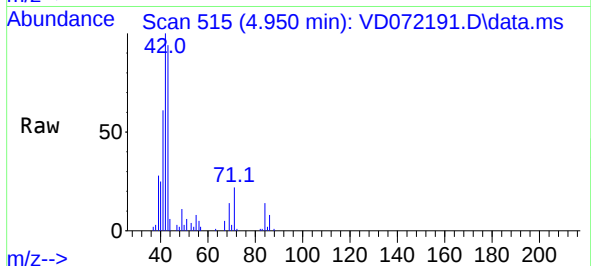




#14
 Allyl chloride
 Concen: 3.997 ug/l
 RT: 4.950 min Scan# 511
 Delta R.T. 0.235 min
 Lab File: VD072191.D
 Acq: 15 Mar 2022 16:18

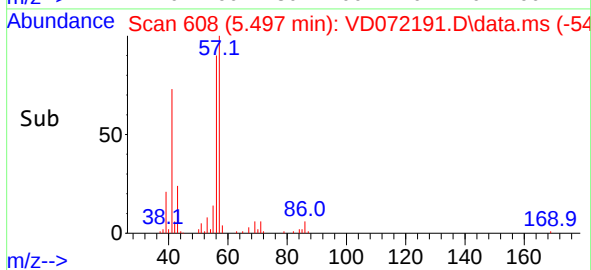
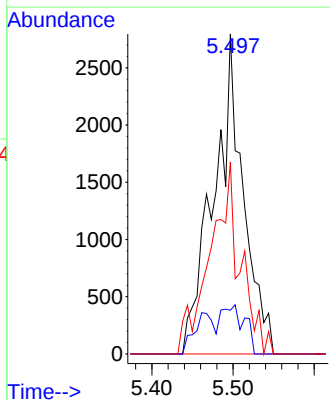
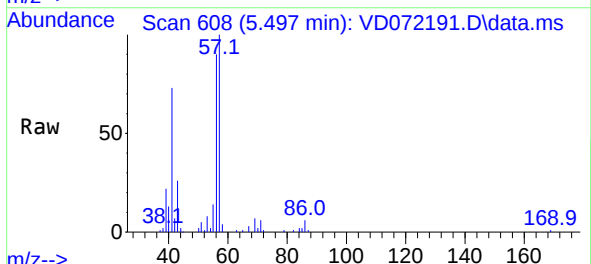
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-3-(3.0-3.5)

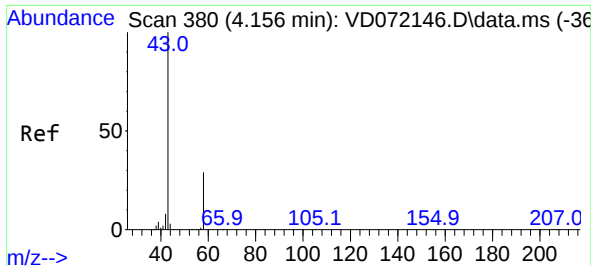
Tgt Ion:	41	Resp:	26411
Ion	Ratio	Lower	Upper
41	100		
39	46.8	59.3	88.9#
76	0.0	25.7	38.5#



#15
 Acrylonitrile
 Concen: 6.919 ug/l
 RT: 5.497 min Scan# 608
 Delta R.T. 0.076 min
 Lab File: VD072191.D
 Acq: 15 Mar 2022 16:18

Tgt Ion:	53	Resp:	7104
Ion	Ratio	Lower	Upper
53	100		
52	12.0	67.2	100.8#
51	61.0	30.3	45.5#

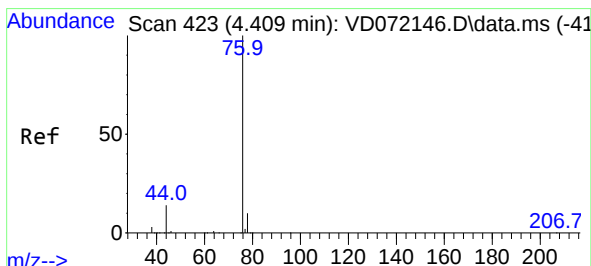
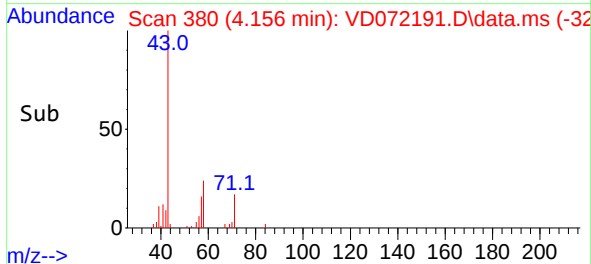
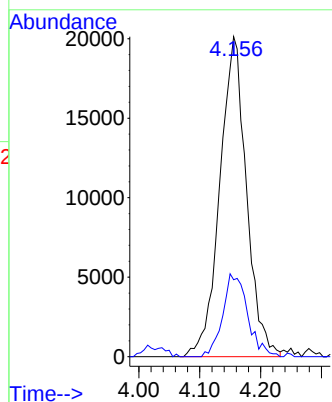
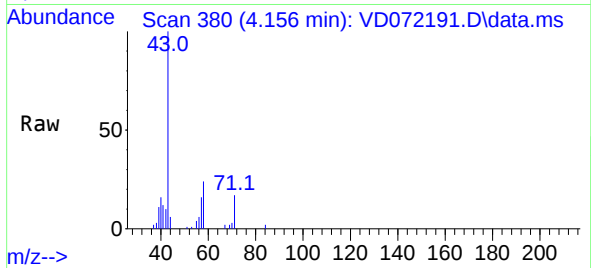




#16
Acetone
Concen: 61.567 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

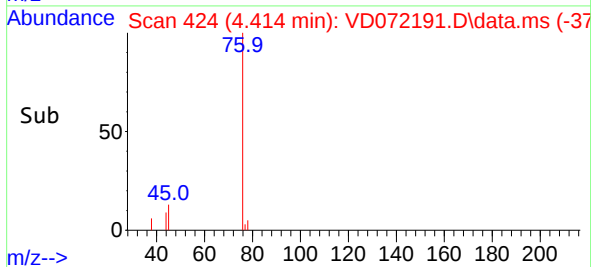
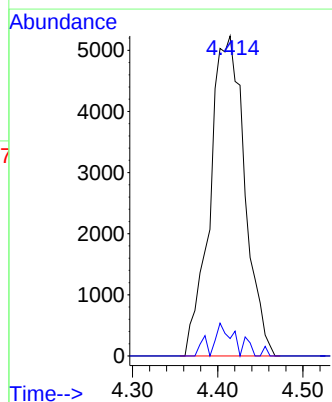
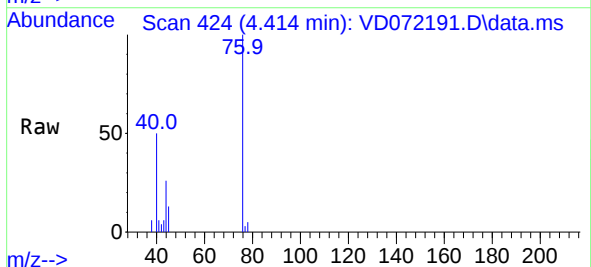
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

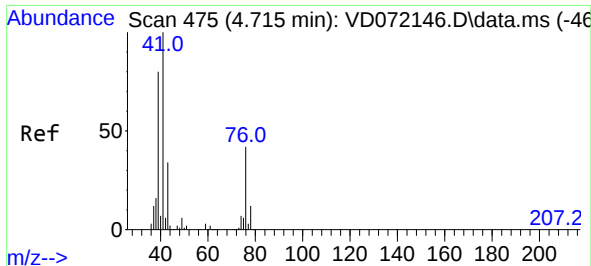
Tgt Ion: 43 Resp: 61261
Ion Ratio Lower Upper
43 100
58 24.1 22.1 33.1



#17
Carbon Disulfide
Concen: 3.124 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.005 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 76 Resp: 14753
Ion Ratio Lower Upper
76 100
78 5.5 7.5 11.3#

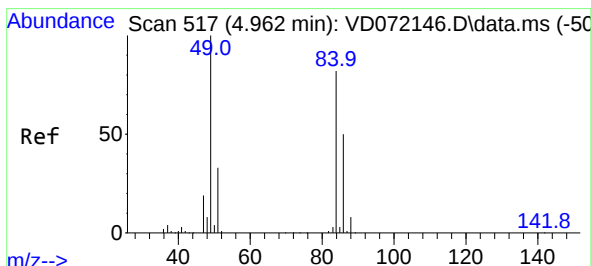
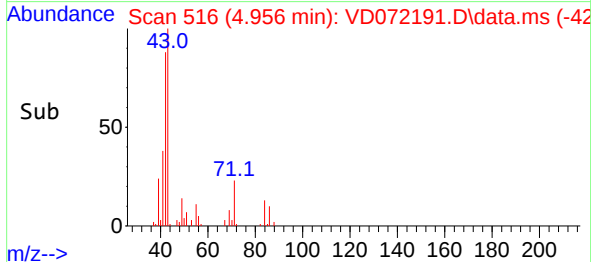
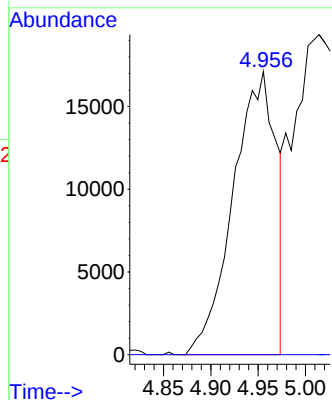
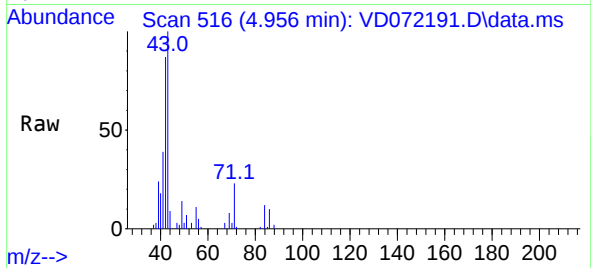




#18
Methyl Acetate
Concen: 22.139 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.241 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

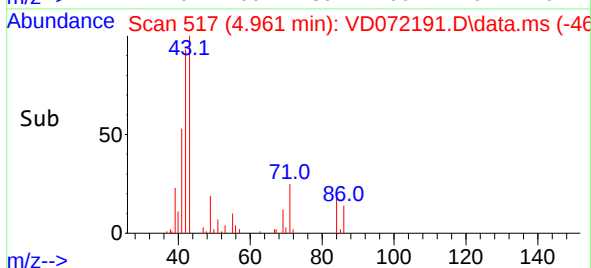
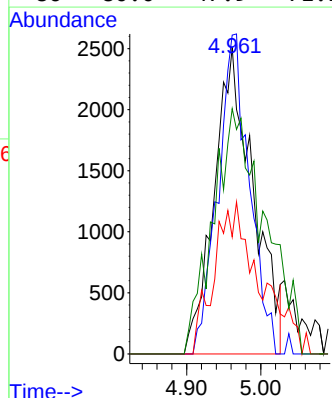
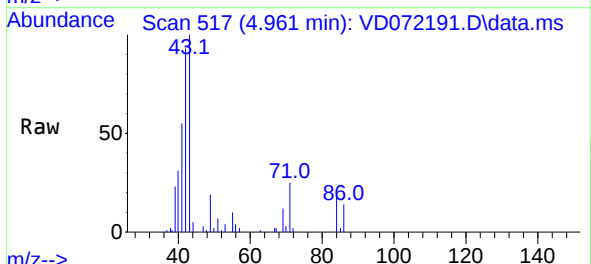
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MSVOA_D
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WC-14A-1A-3-(3.0-3.5)

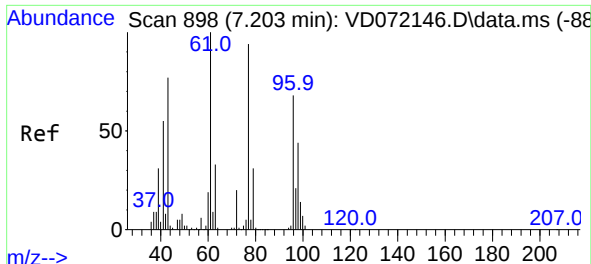
Tgt Ion: 43 Resp: 53984
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 84 Resp: 9196
Ion Ratio Lower Upper
84 100
49 104.0 112.8 169.2#
51 38.2 32.6 48.8
86 80.0 47.9 71.9#

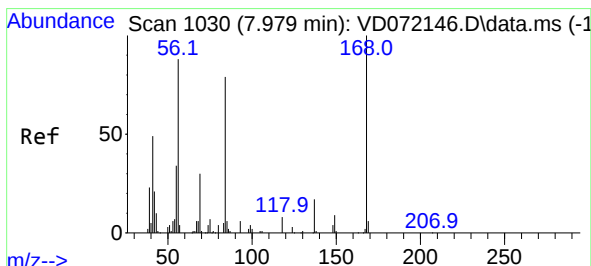
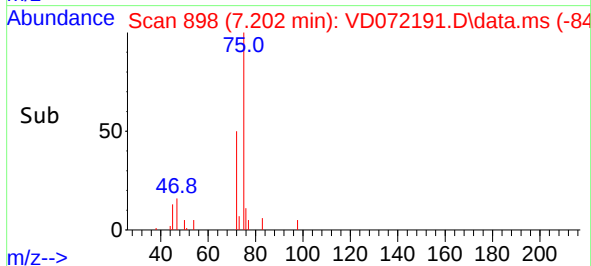
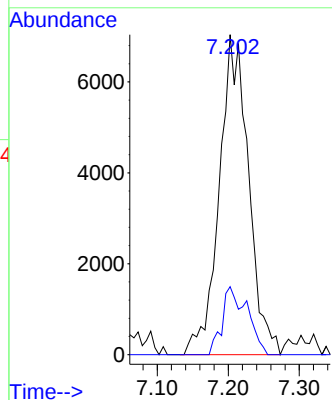
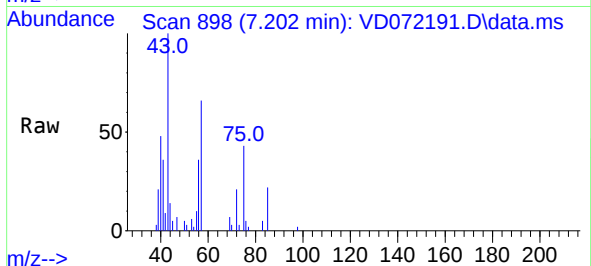




#25
2-Butanone
Concen: 15.183 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

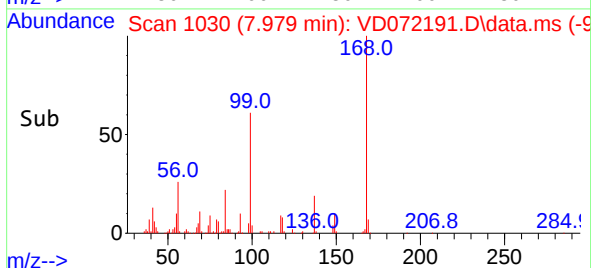
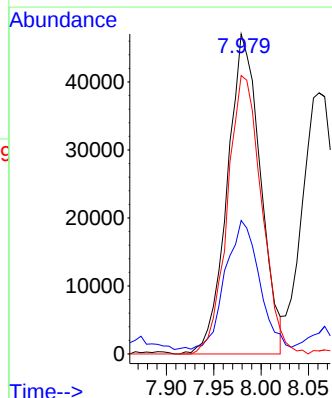
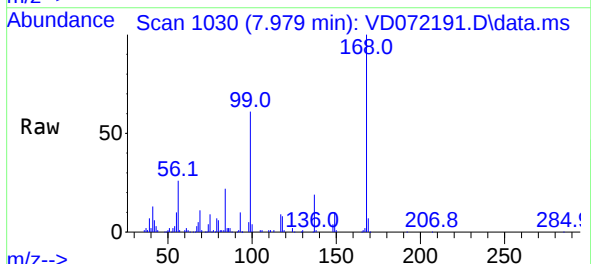
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

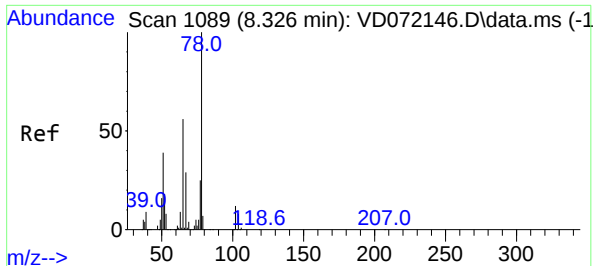
Tgt Ion: 43 Resp: 20143
Ion Ratio Lower Upper
43 100
72 21.3 18.6 27.8



#31
Cyclohexane
Concen: 15.999 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 56 Resp: 114556
Ion Ratio Lower Upper
56 100
69 40.0 25.4 38.2#
84 87.0 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 55.932 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072191.D

Acq: 15 Mar 2022 16:18

Instrument :

MSVOA_D

ClientSampleId :

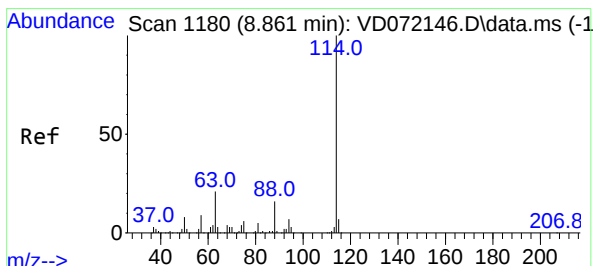
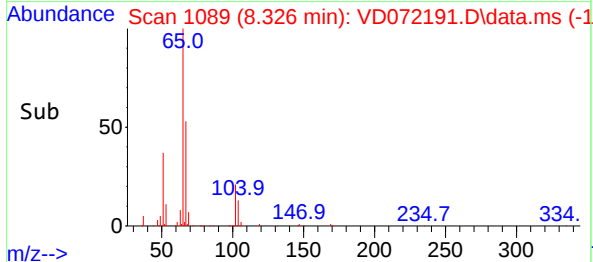
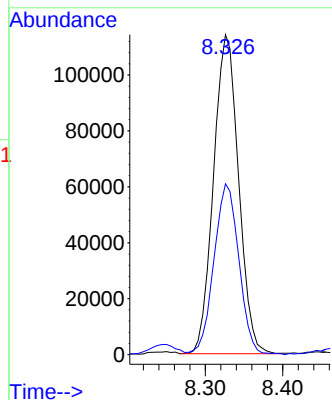
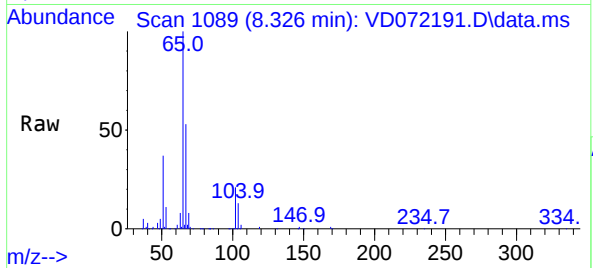
WC-14A-1A-3-(3.0-3.5)

Tgt Ion: 65 Resp: 256327

Ion Ratio Lower Upper

65 100

67 53.5 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: VD072191.D

Acq: 15 Mar 2022 16:18

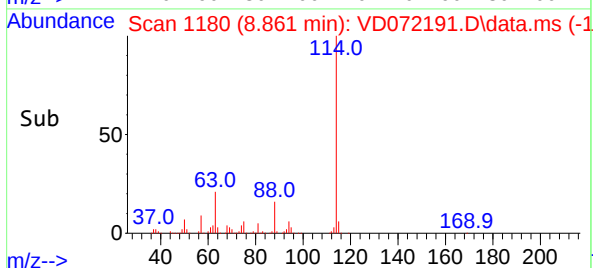
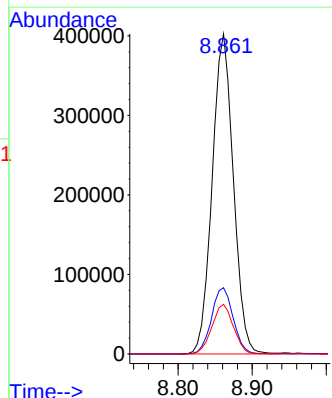
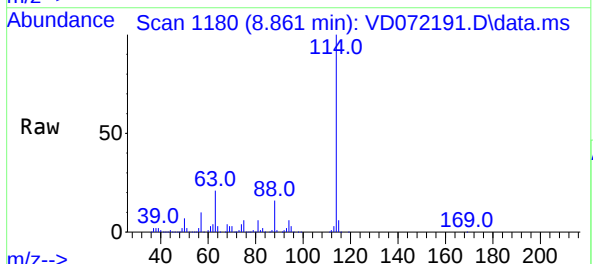
Tgt Ion: 114 Resp: 798046

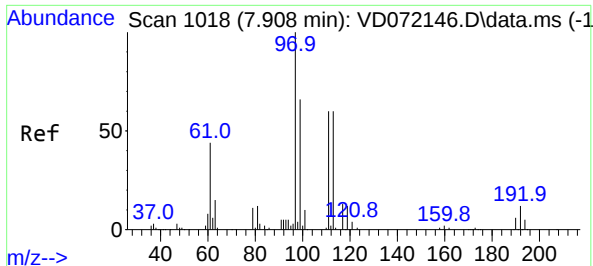
Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.5 0.0 33.2

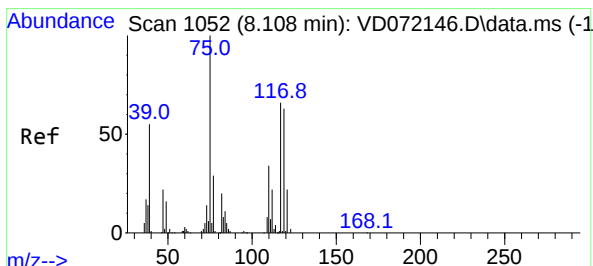
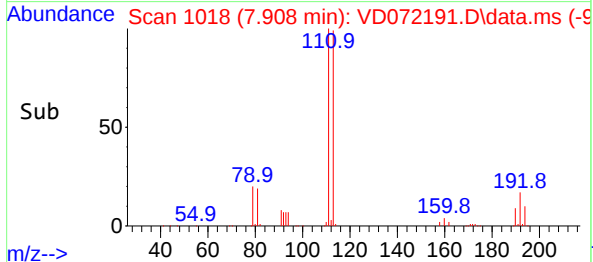
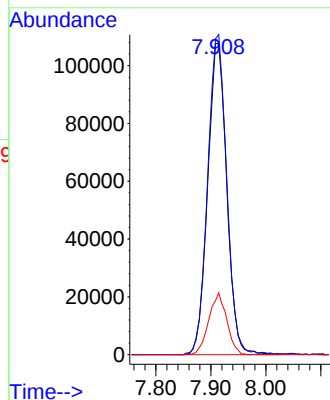
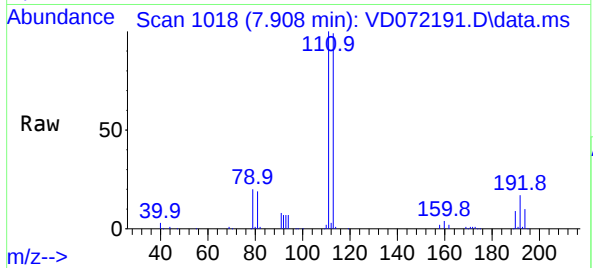




#35
Dibromofluoromethane
Concen: 46.178 ug/l
RT: 7.908 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

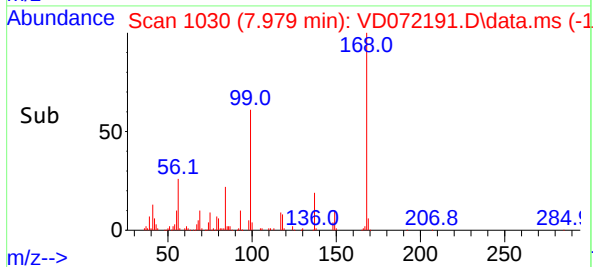
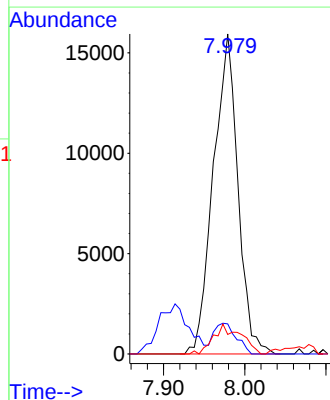
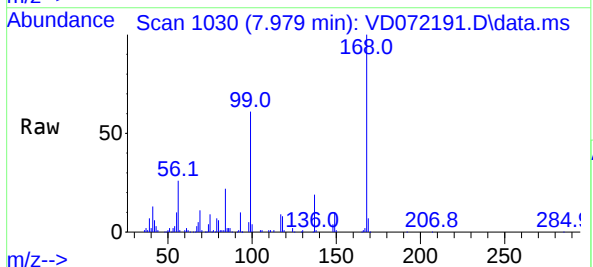
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

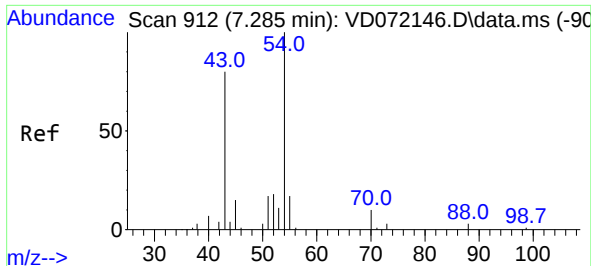
Tgt Ion:113 Resp: 259333
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 18.8 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.259 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 75 Resp: 33556
Ion Ratio Lower Upper
75 100
110 8.6 16.4 49.1#
77 10.3 24.2 36.2#





#37

Ethyl Acetate

Concen: 5.837 ug/l

RT: 7.202 min Scan# 898

Delta R.T. -0.082 min

Lab File: VD072191.D

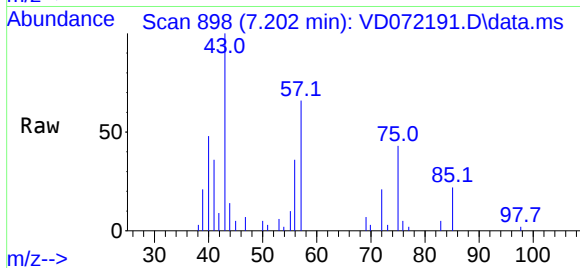
Acq: 15 Mar 2022 16:18

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-3-(3.0-3.5)



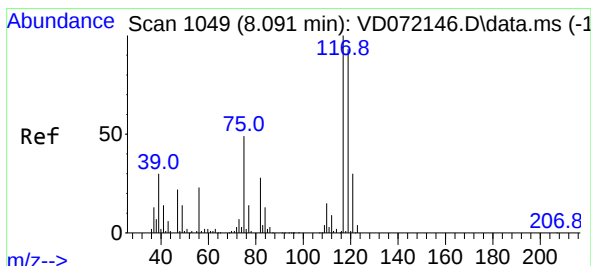
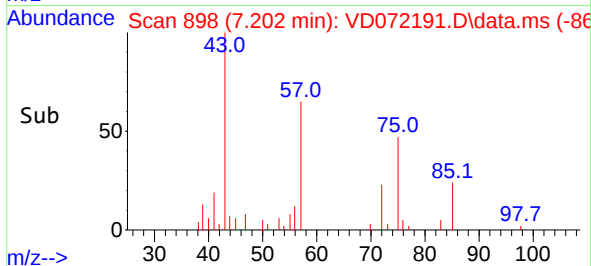
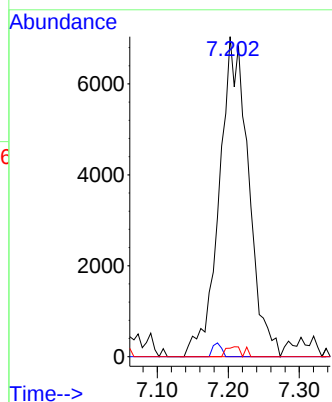
Tgt Ion: 43 Resp: 20143

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 1.8 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.599 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072191.D

Acq: 15 Mar 2022 16:18

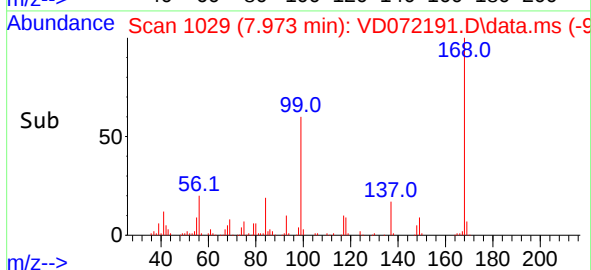
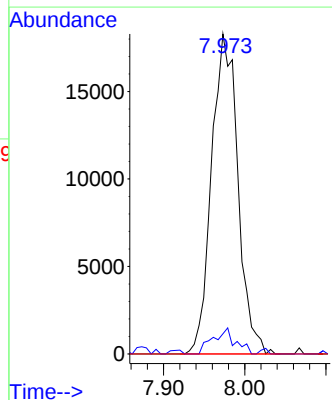
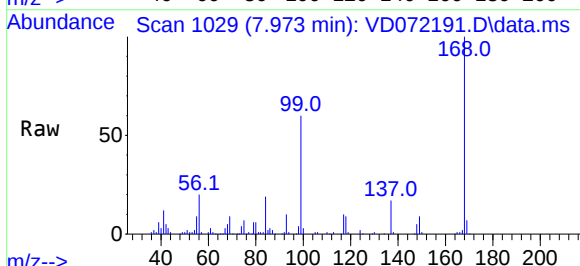
Tgt Ion: 117 Resp: 41184

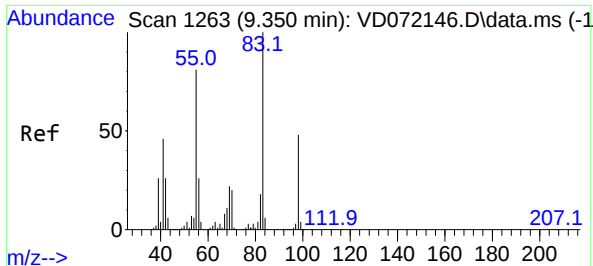
Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

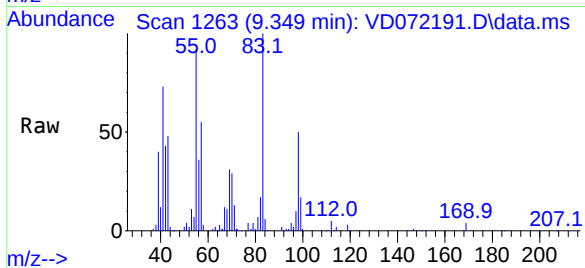
121 0.0 24.5 36.7#



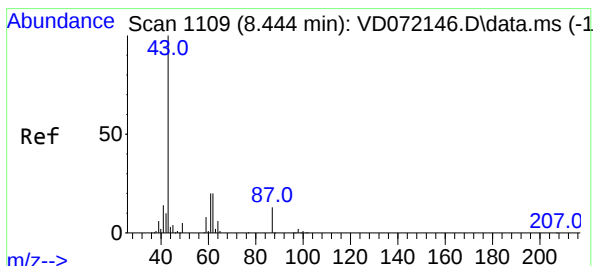
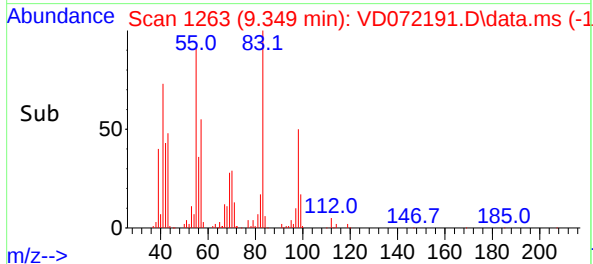
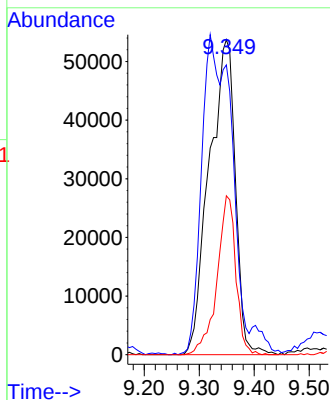


#39
Methylcyclohexane
Concen: 19.985 ug/l
RT: 9.349 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

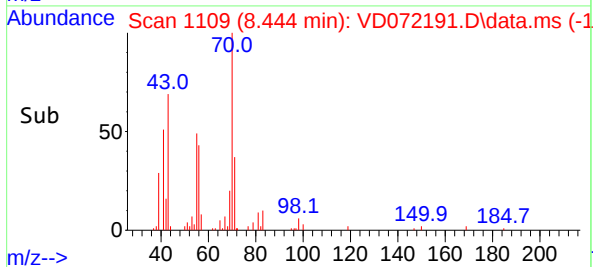
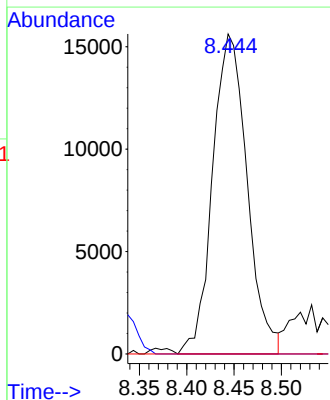
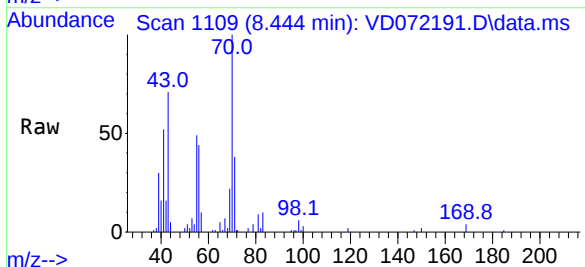


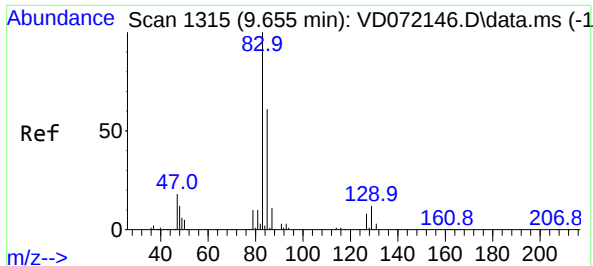
Tgt Ion: 83 Resp: 177177
Ion Ratio Lower Upper
83 100
55 91.9 63.2 94.8
98 50.4 38.2 57.4



#43
Isopropyl Acetate
Concen: 5.905 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 43 Resp: 39556
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 8.7 13.1#





#47

Bromodichloromethane

Concen: 1.141 ug/l

RT: 9.632 min Scan# 11

Delta R.T. -0.024 min

Lab File: VD072191.D

Acq: 15 Mar 2022 16:18

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-3-(3.0-3.5)

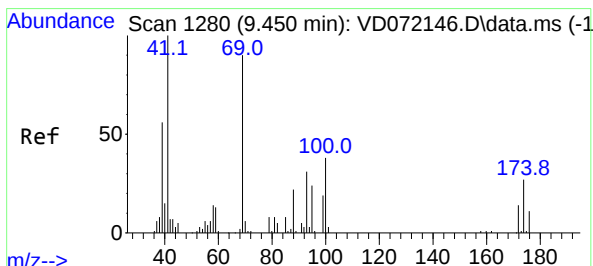
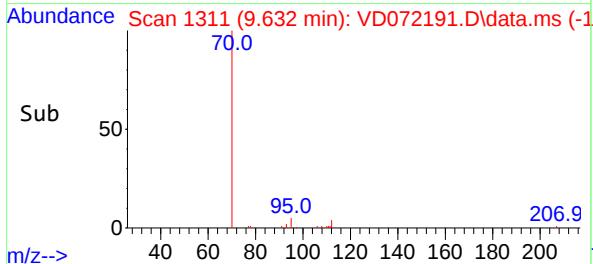
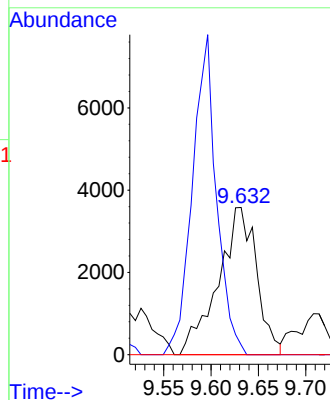
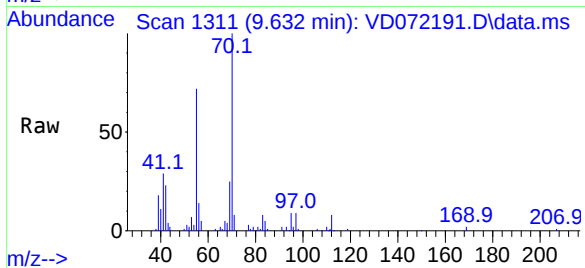
Tgt Ion: 83 Resp: 10089

Ion Ratio Lower Upper

83 100

85 6.6 51.4 77.0#

127 0.0 6.1 9.1#



#48

Methyl methacrylate

Concen: 7.948 ug/l

RT: 9.402 min Scan# 1272

Delta R.T. -0.047 min

Lab File: VD072191.D

Acq: 15 Mar 2022 16:18

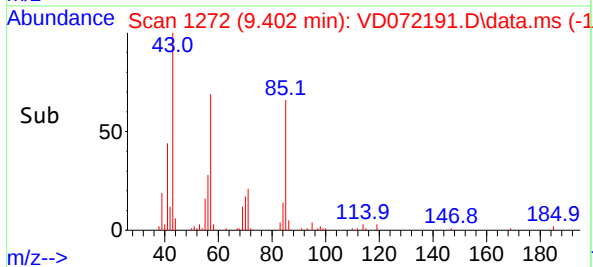
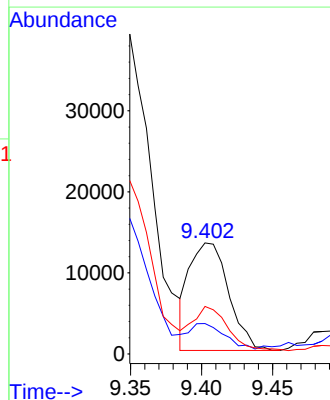
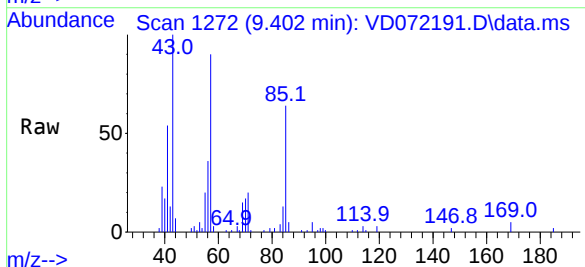
Tgt Ion: 41 Resp: 25422

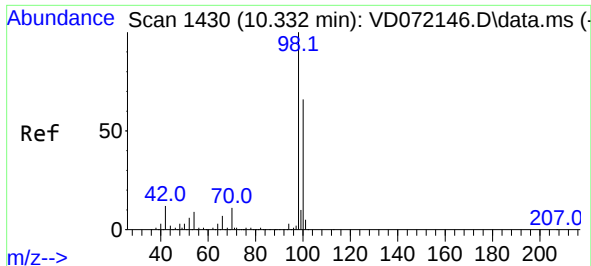
Ion Ratio Lower Upper

41 100

69 21.0 56.7 85.1#

39 37.3 42.7 64.1#

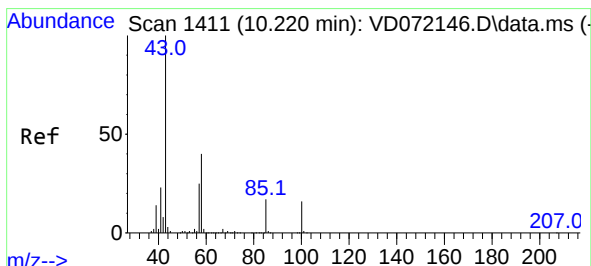
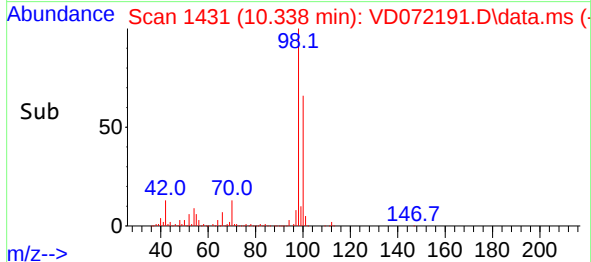
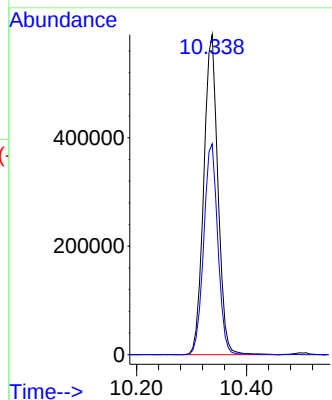
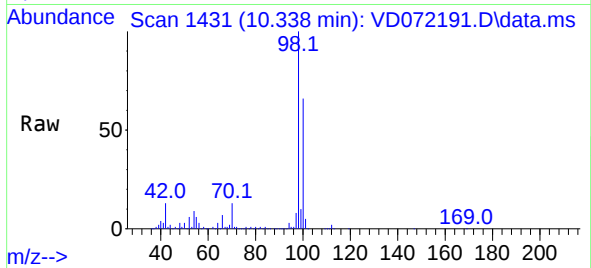




#50
Toluene-d8
Concen: 51.346 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

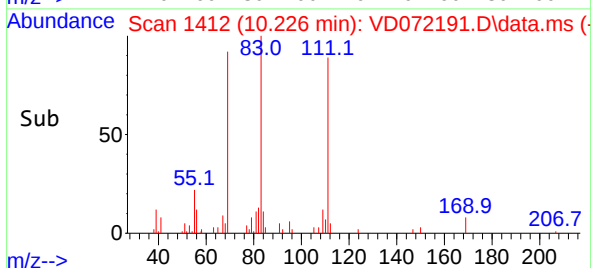
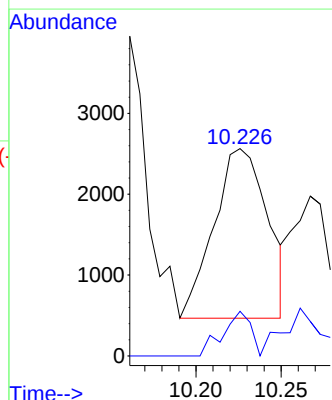
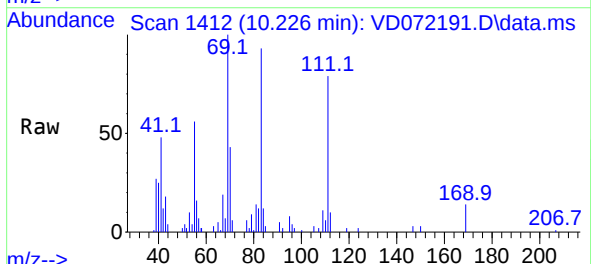
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

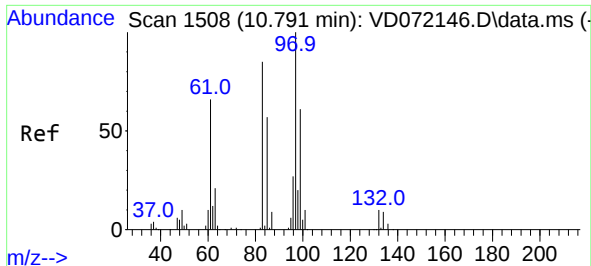
Tgt Ion: 98 Resp: 1054382
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.302 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 43 Resp: 4581
Ion Ratio Lower Upper
43 100
58 13.8 28.6 43.0#

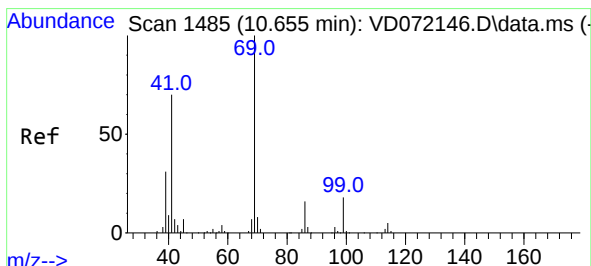
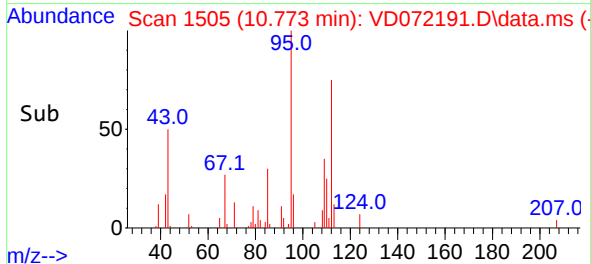
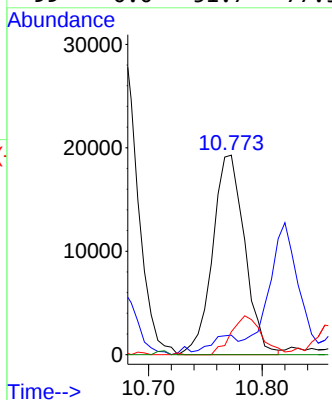
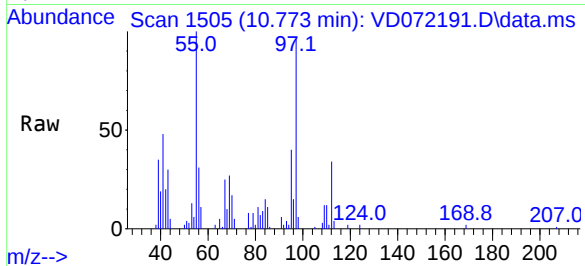




#55
1,1,2-Trichloroethane
Concen: 8.181 ug/l
RT: 10.773 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

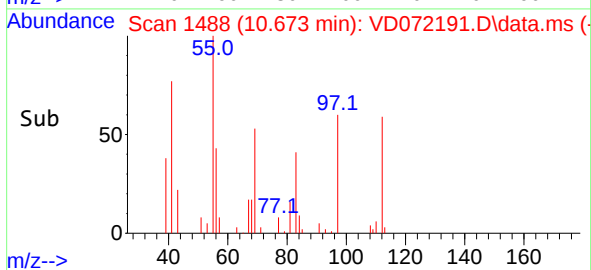
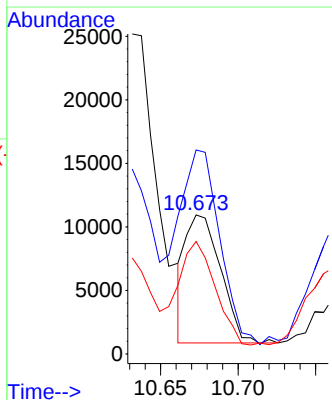
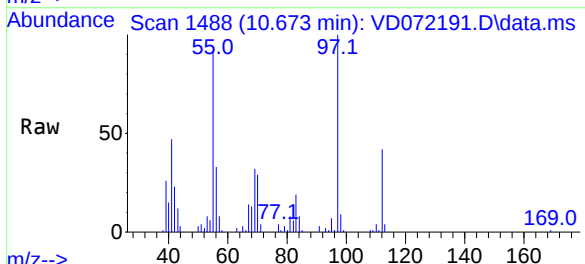
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

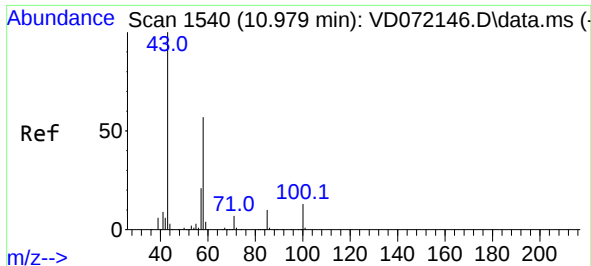
Tgt Ion:	97	Resp:	37788
Ion	Ratio	Lower	Upper
97	100		
83	8.9	69.0	103.4#
85	10.6	42.6	63.8#
99	0.0	51.7	77.5#



#56
Ethyl methacrylate
Concen: 2.914 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion:	69	Resp:	15763
Ion	Ratio	Lower	Upper
69	100		
41	186.3	63.0	94.6#
39	87.0	33.8	50.8#

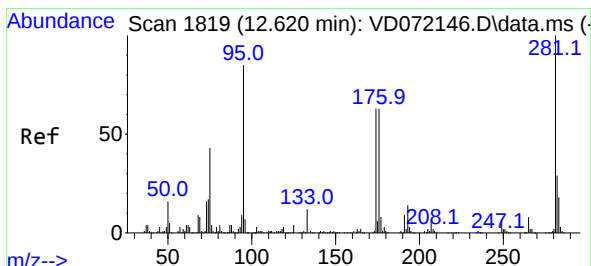
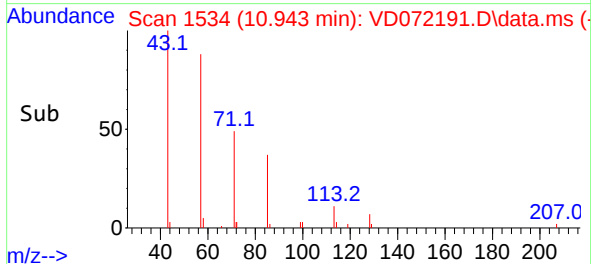
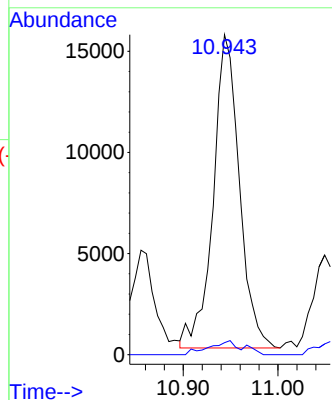
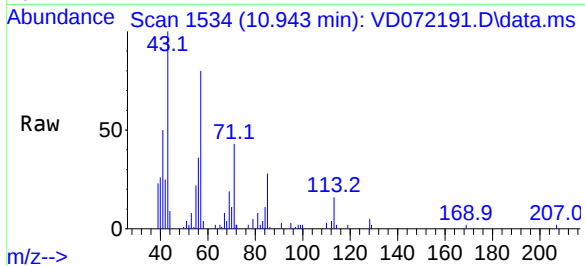




#59
2-Hexanone
Concen: 12.237 ug/l
RT: 10.943 min Scan# 11
Delta R.T. -0.035 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

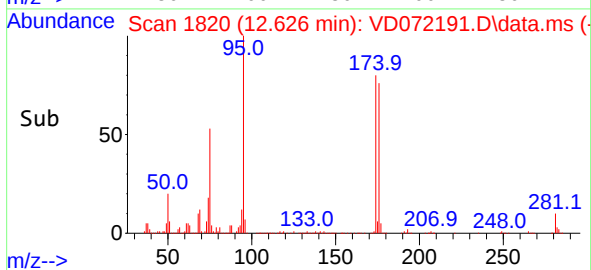
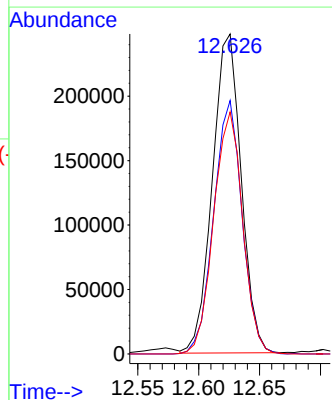
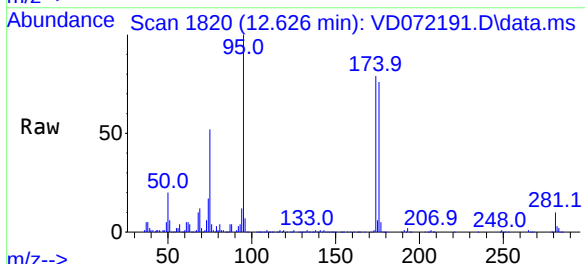
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

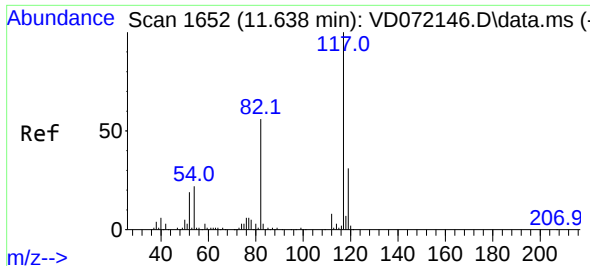
Tgt Ion: 43 Resp: 29735
Ion Ratio Lower Upper
43 100
58 4.6 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 50.979 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 95 Resp: 406756
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.8
176 76.5 0.0 145.4

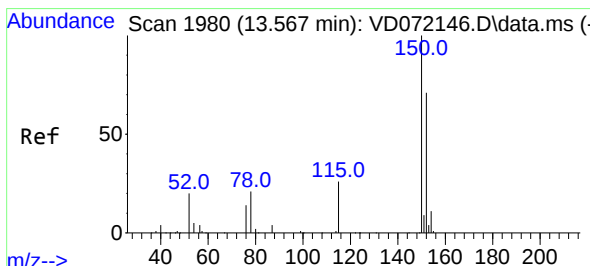
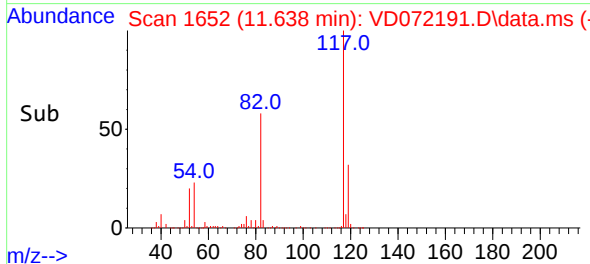
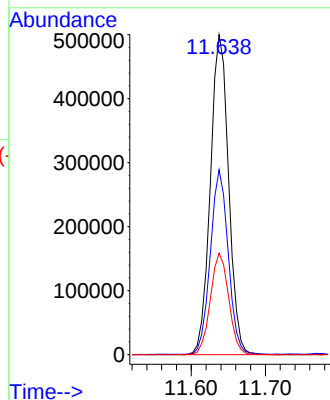
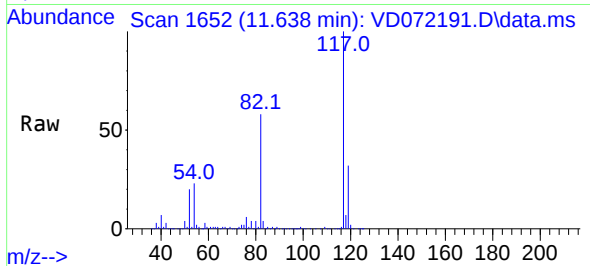




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

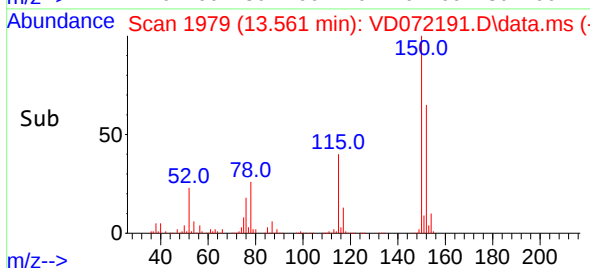
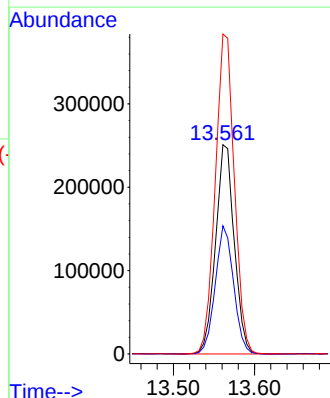
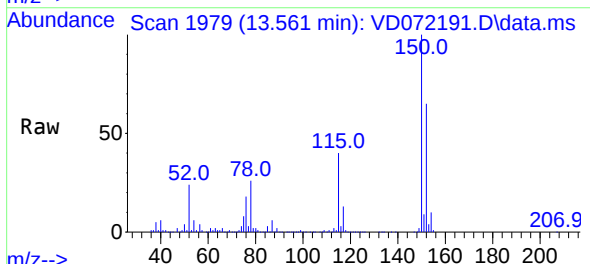
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

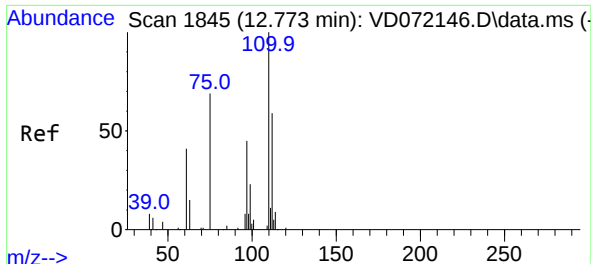
Tgt Ion:	117	Resp:	854682
Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.3	67.9
119	31.8	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion:	152	Resp:	401707
Ion	Ratio	Lower	Upper
152	100		
115	60.1	31.3	93.8
150	155.6	0.0	348.6

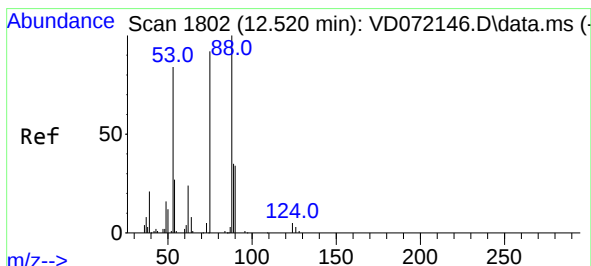
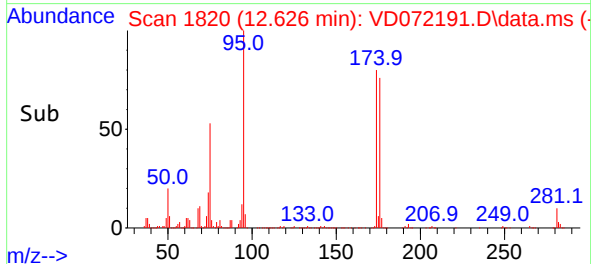
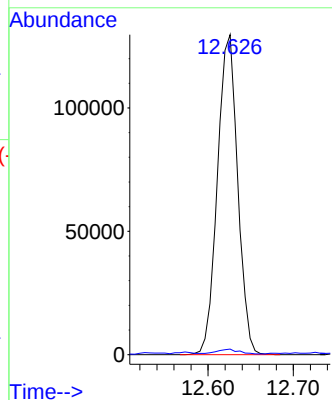
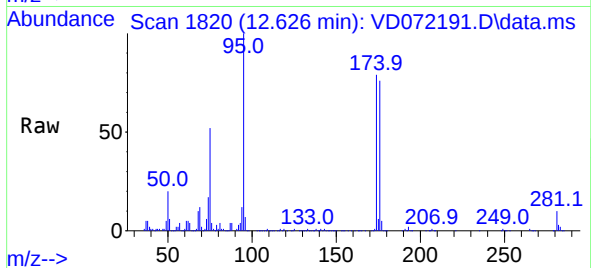




#76
1,2,3-Trichloropropane
Concen: 48.373 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-3-(3.0-3.5)

Tgt Ion: 75 Resp: 214351
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.019 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072191.D
Acq: 15 Mar 2022 16:18

Tgt Ion: 75 Resp: 214351
Ion Ratio Lower Upper
75 100
53 0.6 86.5 129.7#
89 0.0 33.9 50.9#

