

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072190.D
 Acq On : 15 Mar 2022 15:49
 Operator : VA/SY
 Sample : N1905-01
 Misc : 3.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 16 01:00:02 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)

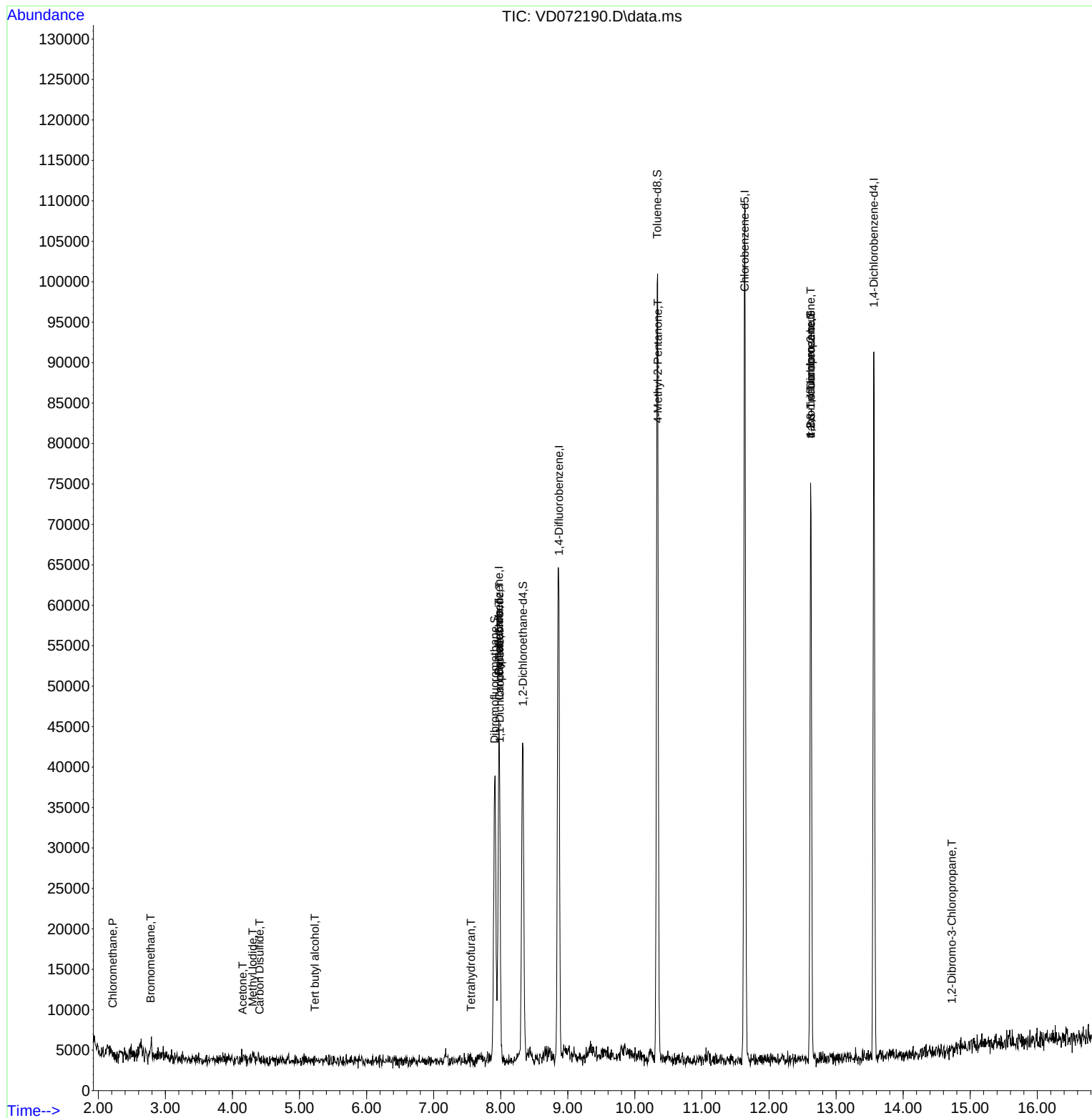
Internal Standards						
1) Pentafluorobenzene	7.973	168	30241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	53862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	61581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	23430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	32804	97.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 194.680%#			
35) Dibromofluoromethane	7.909	113	25014	65.995	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 131.980%			
50) Toluene-d8	10.332	98	67502	48.705	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.420%			
62) 4-Bromofluorobenzene	12.620	95	24690	45.849	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.700%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	425	1.710	ug/l #	40
5) Bromomethane	2.779	94	955	6.113	ug/l	98
10) Methyl Iodide	4.303	142	461	3.650	ug/l #	44
11) Tert butyl alcohol	5.226	59	72	3.685	ug/l #	74
16) Acetone	4.150	43	941	12.860	ug/l	94
17) Carbon Disulfide	4.403	76	149	1.723	ug/l #	74
20) Methylene Chloride	4.968	84	59	Below Cal	#	63
29) Tetrahydrofuran	7.556	42	61	1.063	ug/l #	38
31) Cyclohexane	7.973	56	665	1.263	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	2428	4.566	ug/l #	46
38) Carbon Tetrachloride	7.979	117	2900	4.798	ug/l #	13
51) 4-Methyl-2-Pentanone	10.344	43	250	1.053	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	12063	46.674	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	12063	115.802	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.726	75	61	1.151	ug/l #	6

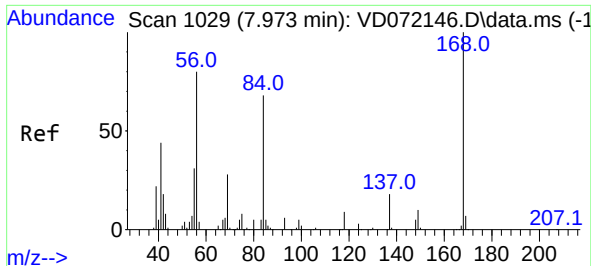
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
Data File : VD072190.D
Acq On : 15 Mar 2022 15:49
Operator : VA/SY
Sample : N1905-01
Misc : 3.88G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 16 01:00:02 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

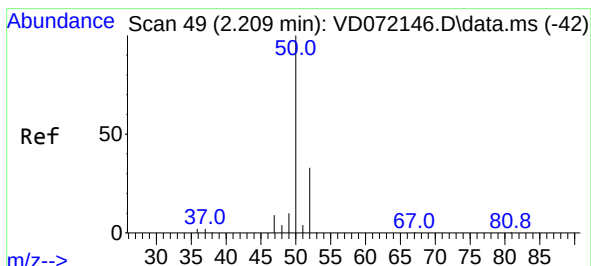
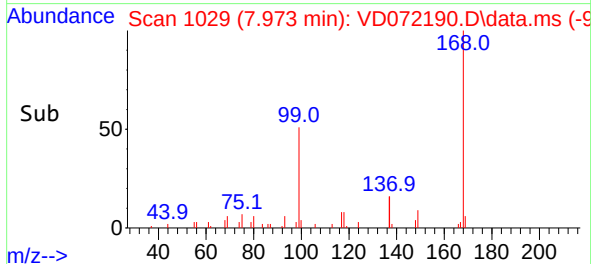
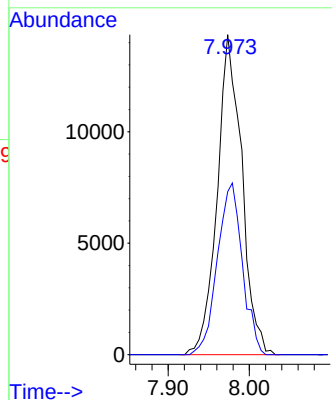
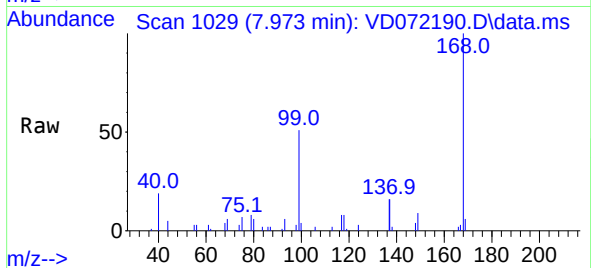




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

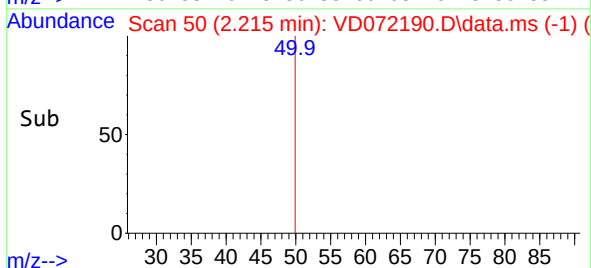
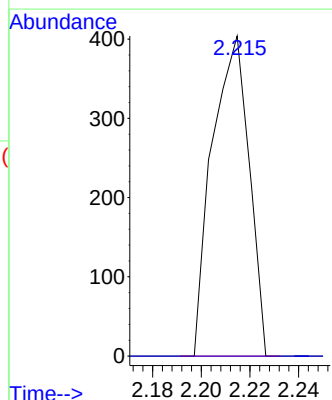
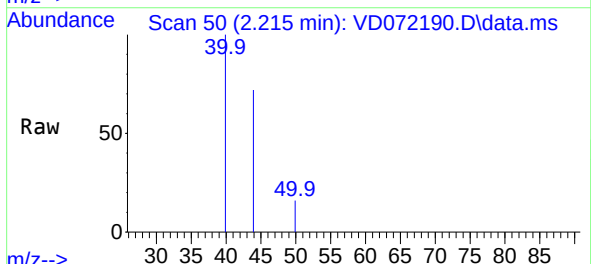
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

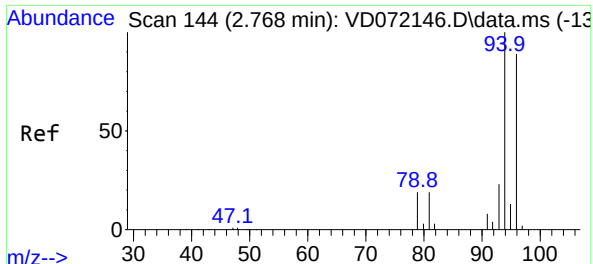
Tgt Ion:168 Resp: 30241
Ion Ratio Lower Upper
168 100
99 50.9 49.8 74.6



#3
Chloromethane
Concen: 1.710 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

Tgt Ion: 50 Resp: 425
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

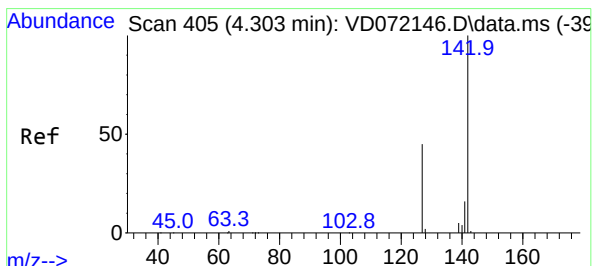
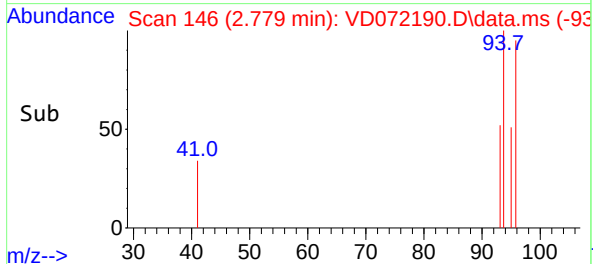
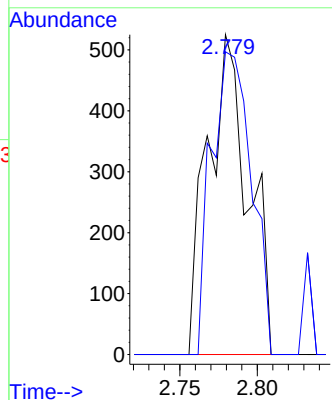
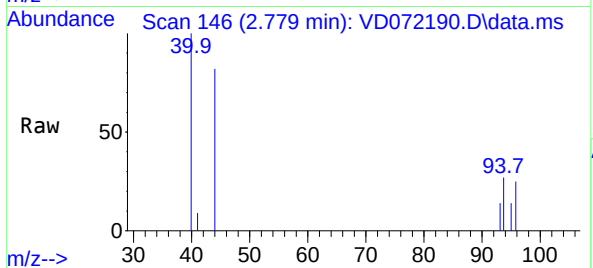




#5
Bromomethane
Concen: 6.113 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

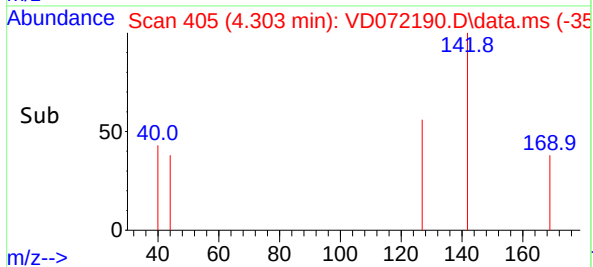
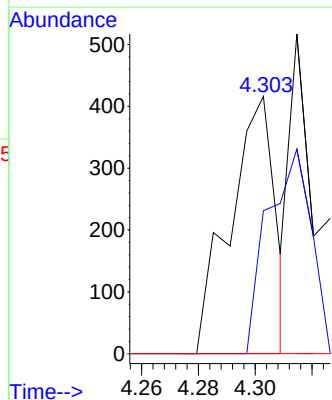
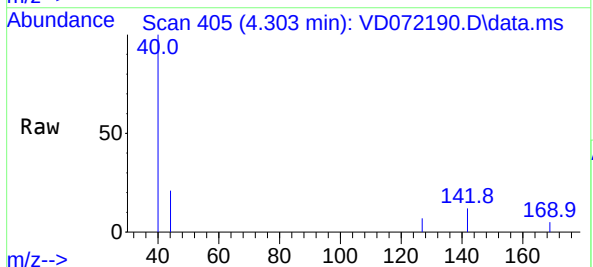
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

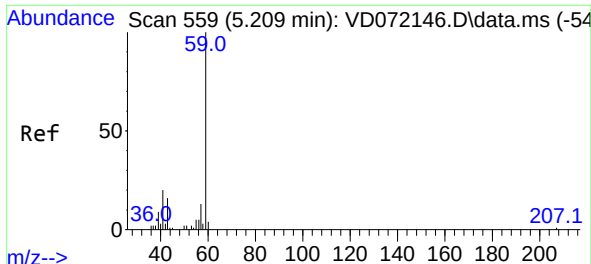
Tgt Ion: 94 Resp: 955
Ion Ratio Lower Upper
94 100
96 94.7 77.6 116.4



#10
Methyl Iodide
Concen: 3.650 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

Tgt Ion: 142 Resp: 461
Ion Ratio Lower Upper
142 100
127 88.3 37.3 55.9#
141 0.0 11.7 17.5#

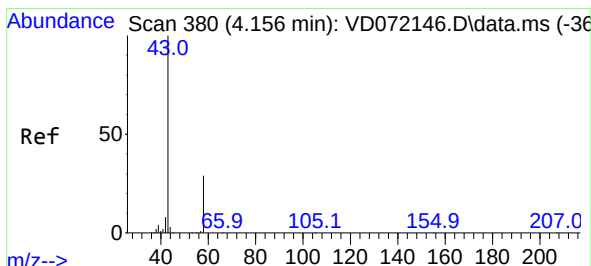
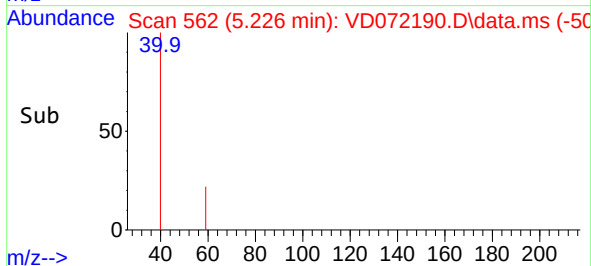
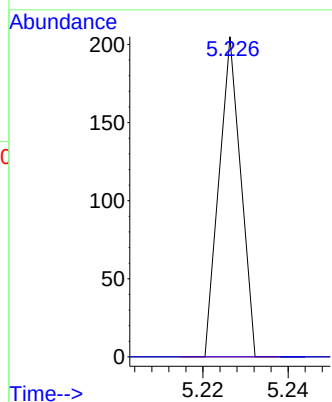
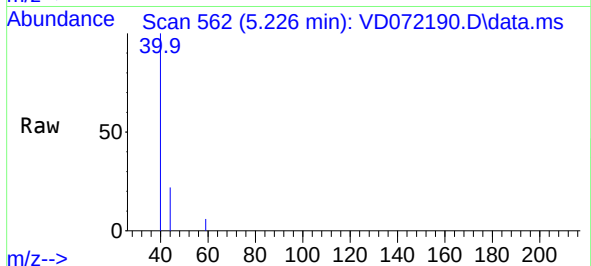




#11
Tert butyl alcohol
Concen: 3.685 ug/l
RT: 5.226 min Scan# 50
Delta R.T. 0.018 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

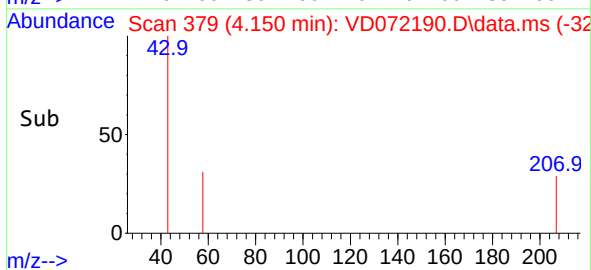
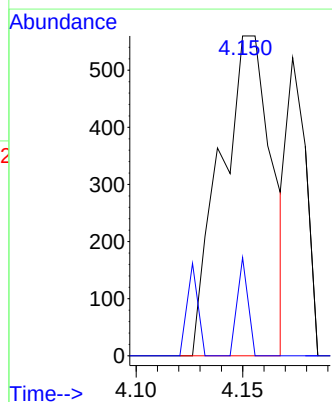
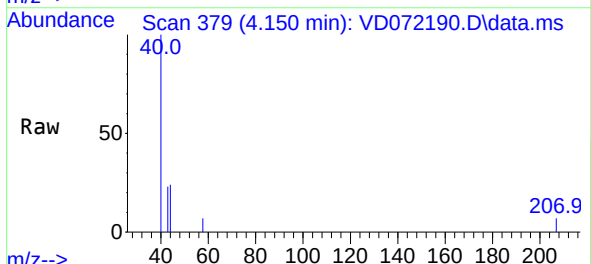
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

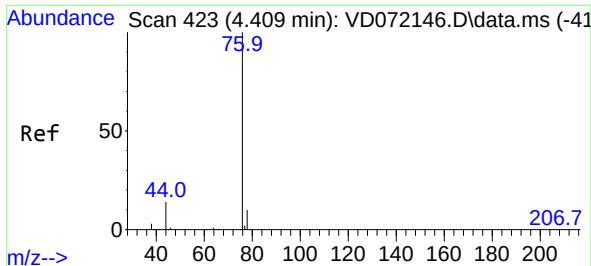
Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 12.860 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
58 30.7 22.1 33.1

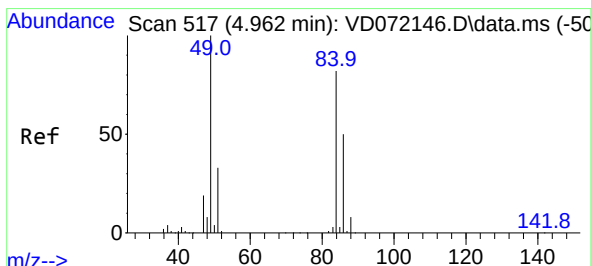
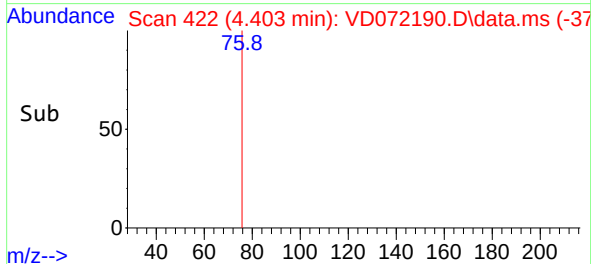
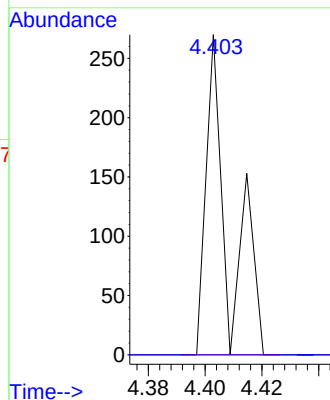
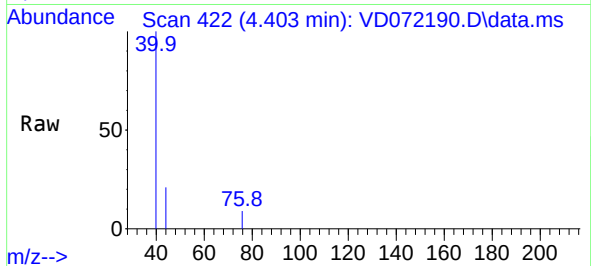




#17
Carbon Disulfide
Concen: 1.723 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

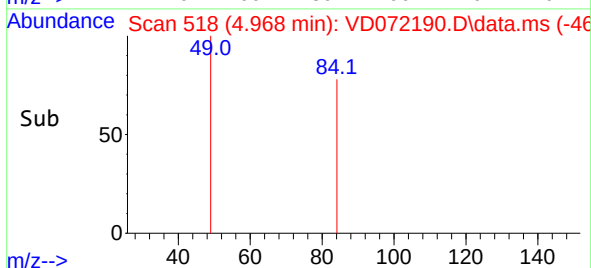
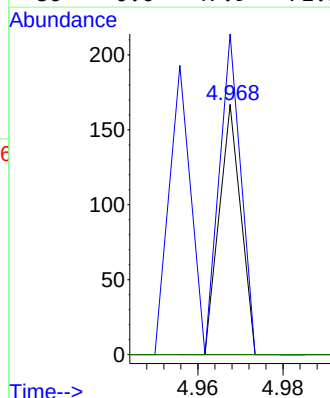
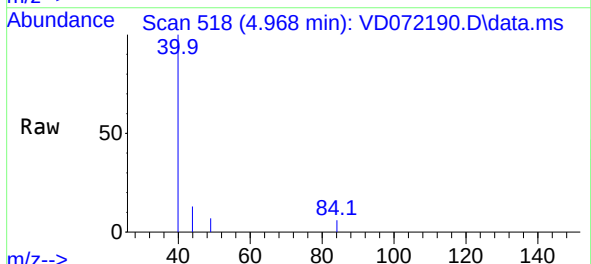
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

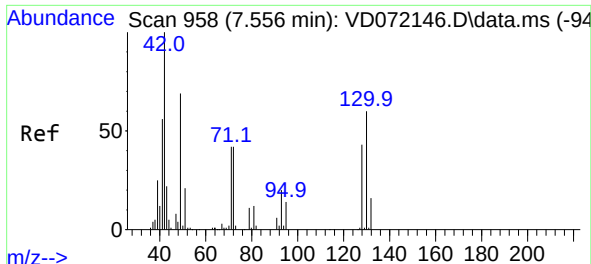
Tgt Ion: 76 Resp: 149
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

Tgt Ion: 84 Resp: 59
Ion Ratio Lower Upper
84 100
49 128.1 112.8 169.2
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#





#29

Tetrahydrofuran

Concen: 1.063 ug/l

RT: 7.556 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD072190.D

Acq: 15 Mar 2022 15:49

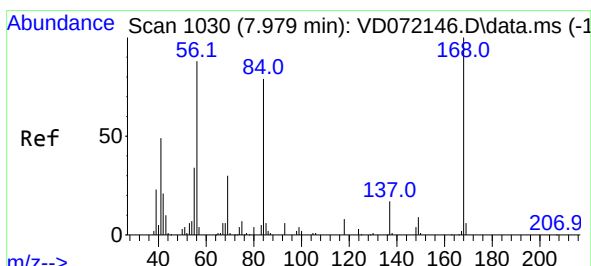
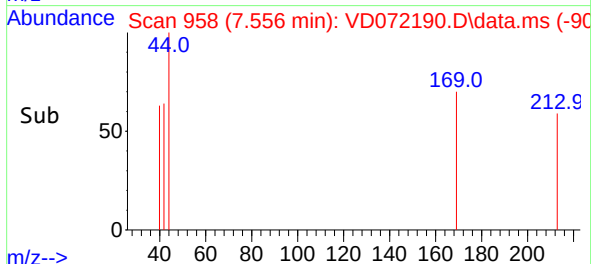
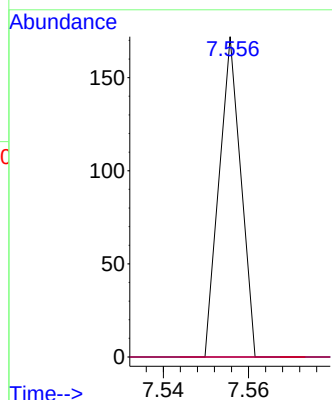
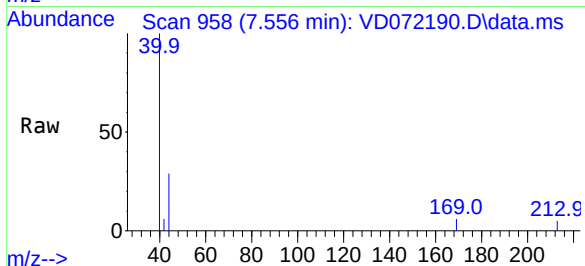
Instrument :

MSVOA_D

ClientSampleId :

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

Tgt Ion:	42	Resp:	61
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#



#31

Cyclohexane

Concen: 1.263 ug/l

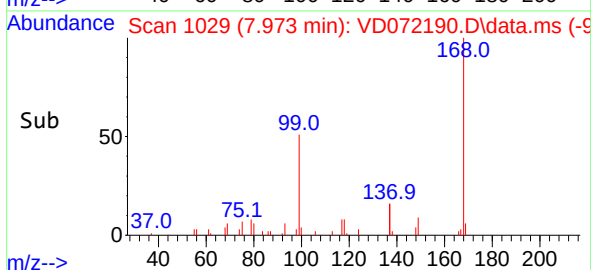
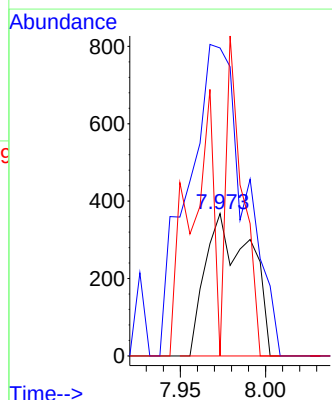
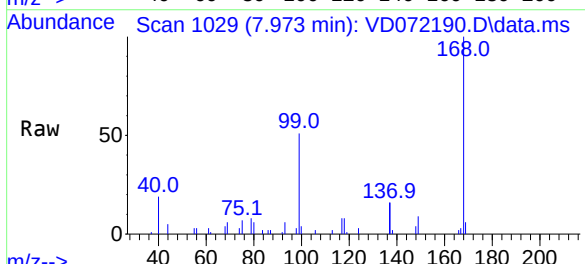
RT: 7.973 min Scan# 1029

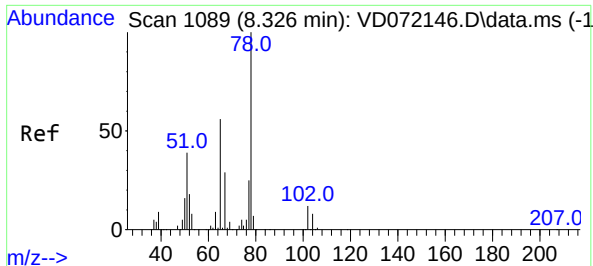
Delta R.T. -0.006 min

Lab File: VD072190.D

Acq: 15 Mar 2022 15:49

Tgt Ion:	56	Resp:	665
Ion	Ratio	Lower	Upper
56	100		
69	216.3	25.4	38.2#
84	0.0	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 97.336 ug/l

RT: 8.332 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VD072190.D

Acq: 15 Mar 2022 15:49

Instrument :

MSVOA_D

ClientSampleId :

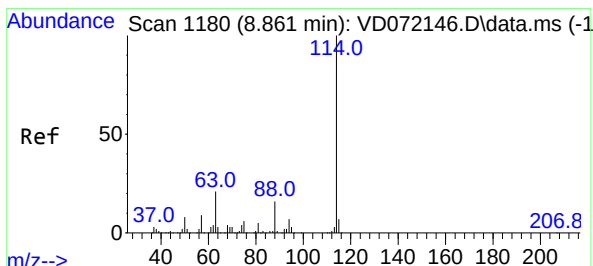
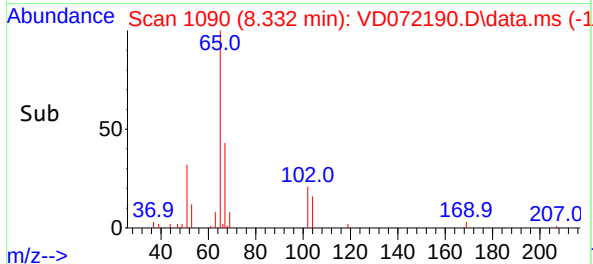
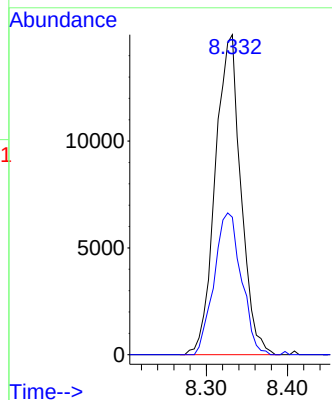
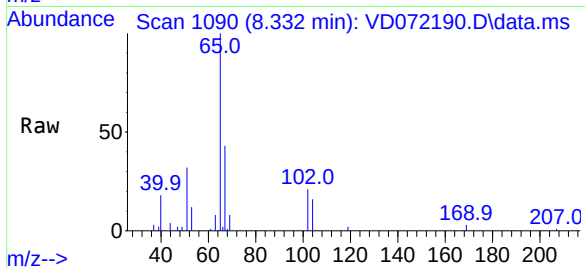
WC-14A-1C-(3.5-4.0)

Tgt Ion: 65 Resp: 32804

Ion Ratio Lower Upper

65 100

67 47.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD072190.D

Acq: 15 Mar 2022 15:49

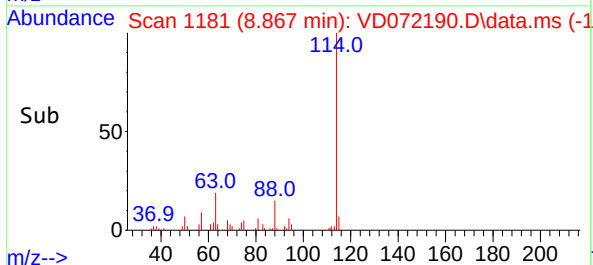
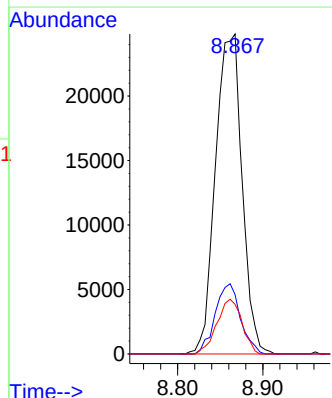
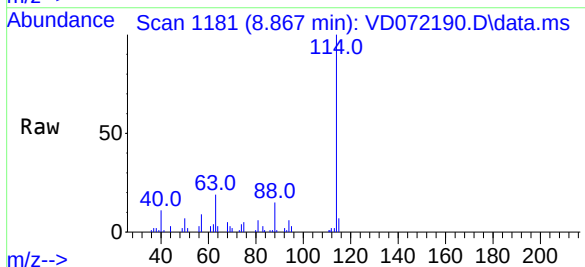
Tgt Ion: 114 Resp: 53862

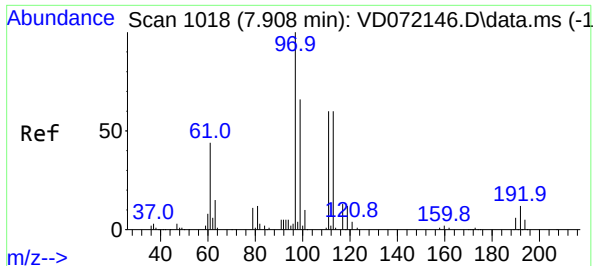
Ion Ratio Lower Upper

114 100

63 18.6 0.0 46.6

88 15.5 0.0 33.2

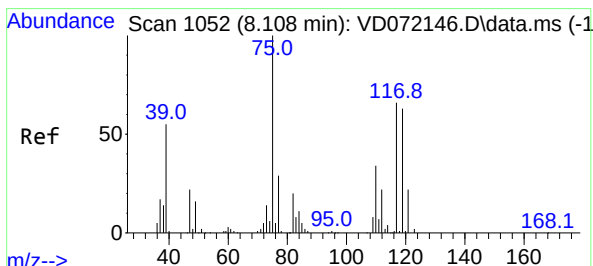
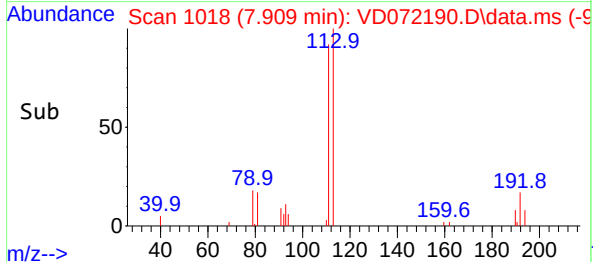
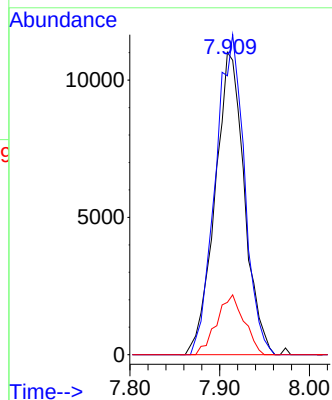
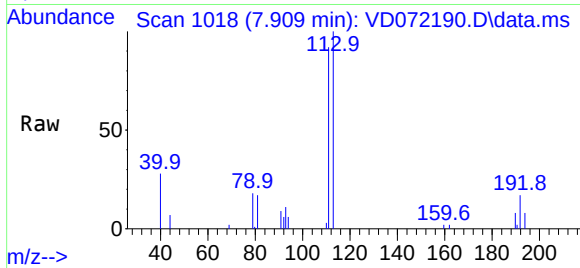




#35
Dibromofluoromethane
Concen: 65.995 ug/l
RT: 7.909 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

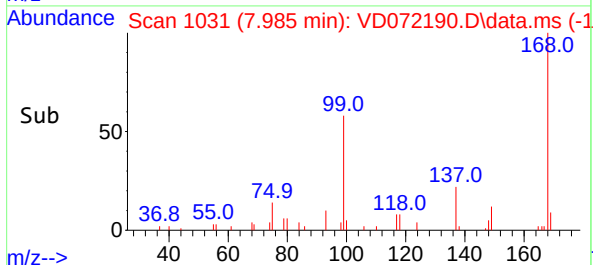
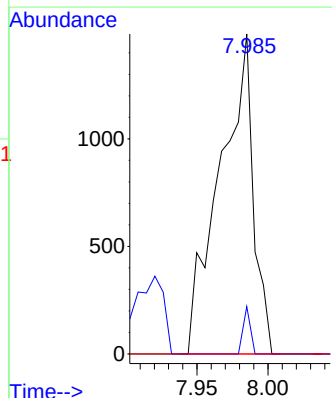
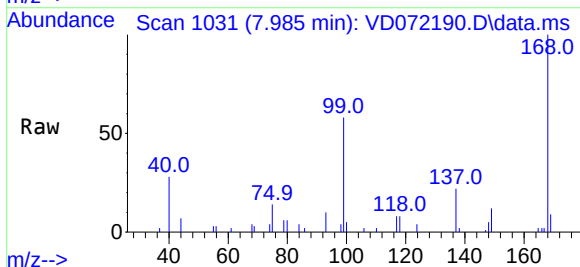
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

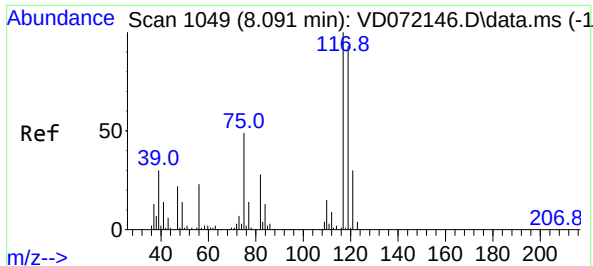
Tgt Ion:	113	Resp:	25014
Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.8	125.6
192	18.5	14.6	21.8



#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.123 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

Tgt Ion:	75	Resp:	2428
Ion	Ratio	Lower	Upper
75	100		
110	3.2	16.4	49.1#
77	0.0	24.2	36.2#

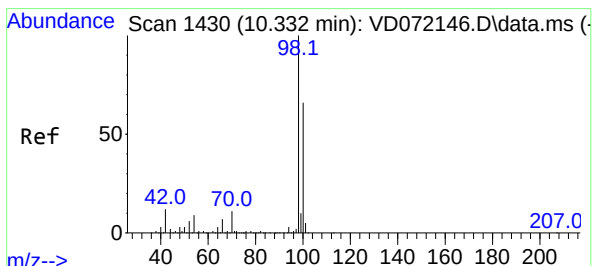
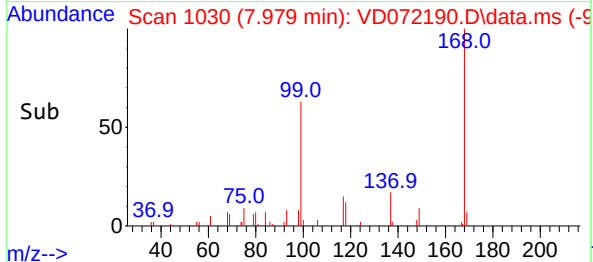
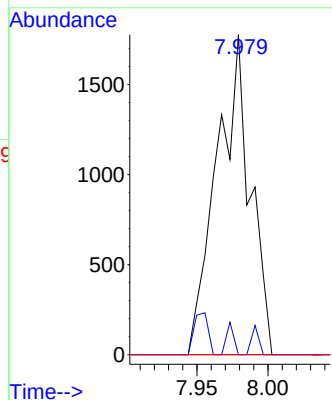
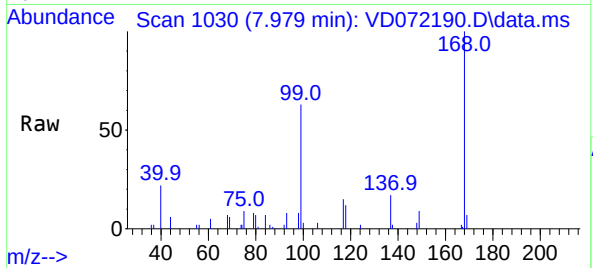




#38
Carbon Tetrachloride
Concen: 4.798 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

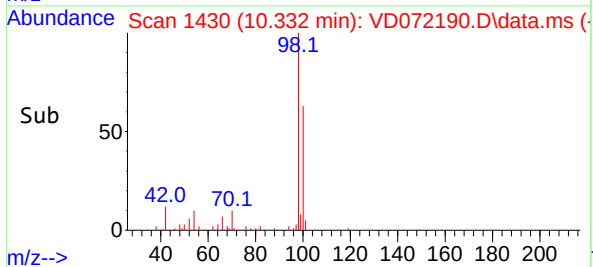
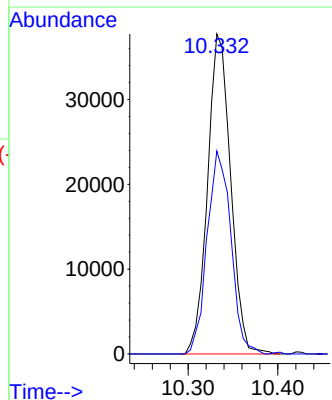
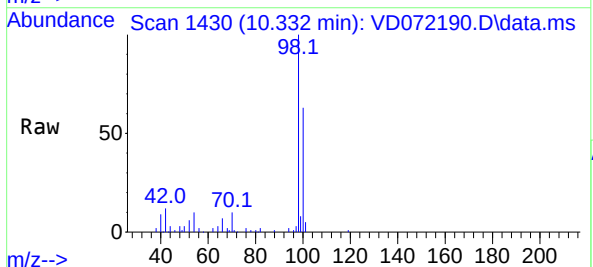
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

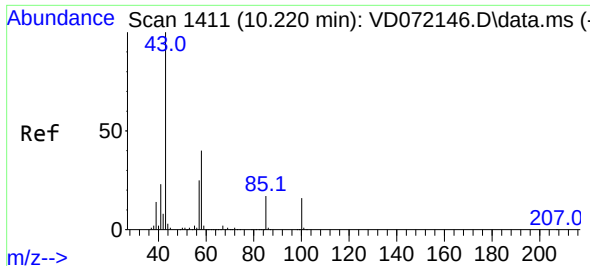
Tgt Ion:117 Resp: 2900
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.705 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

Tgt Ion: 98 Resp: 67502
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6

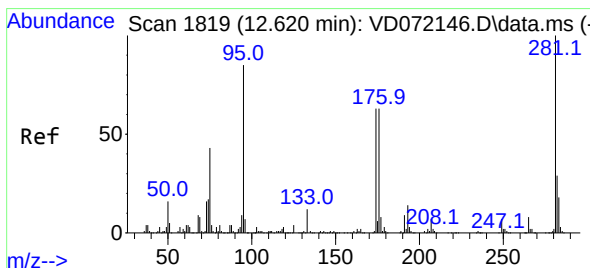
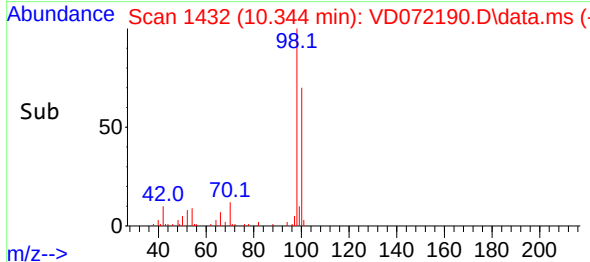
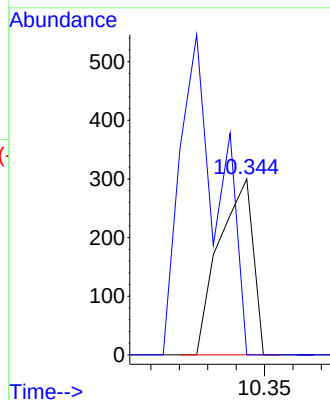
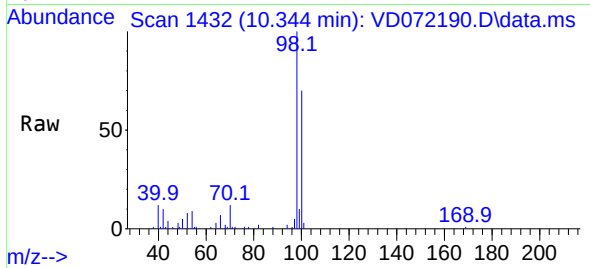




#51
4-Methyl-2-Pentanone
Concen: 1.053 ug/l
RT: 10.344 min Scan# 1411
Delta R.T. 0.124 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

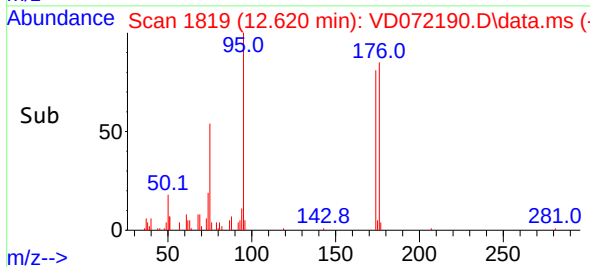
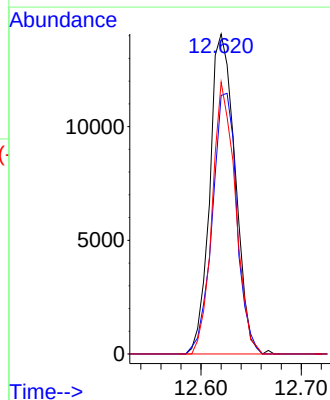
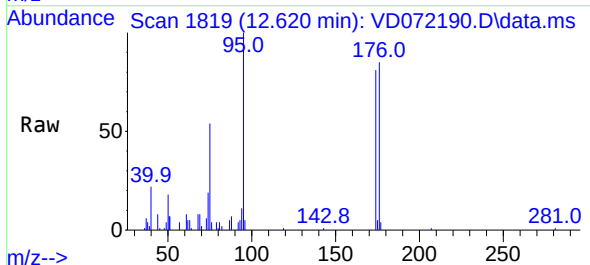
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

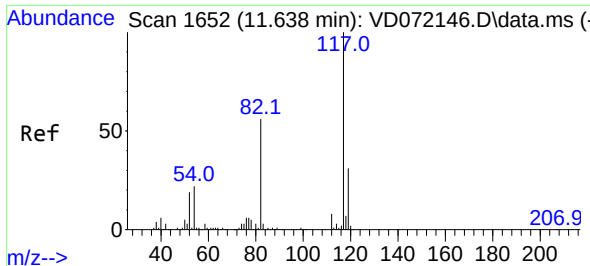
Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
58 206.4 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 45.849 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

Tgt Ion: 95 Resp: 24690
Ion Ratio Lower Upper
95 100
174 78.9 0.0 152.8
176 77.7 0.0 145.4

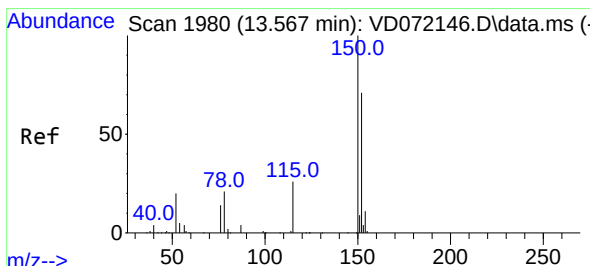
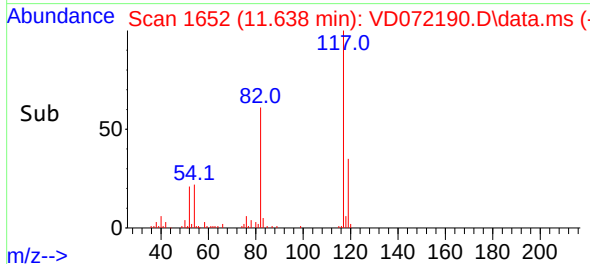
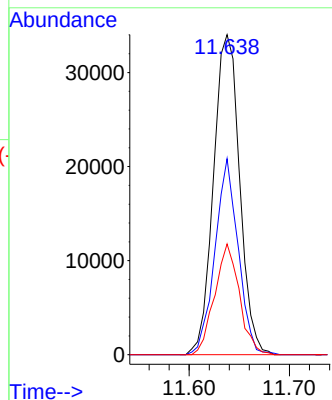
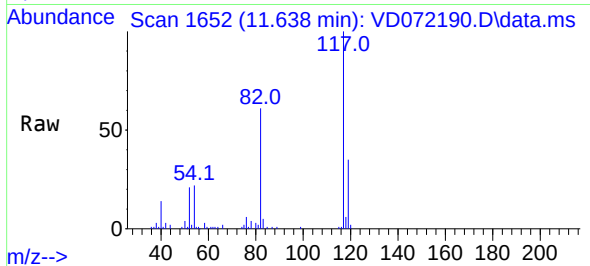




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

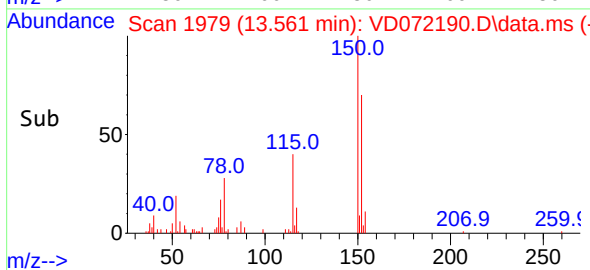
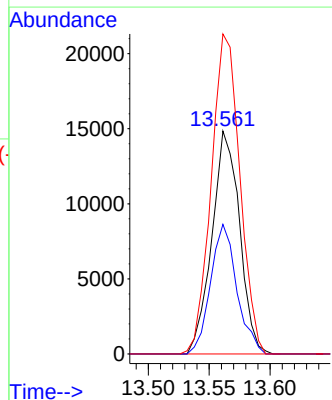
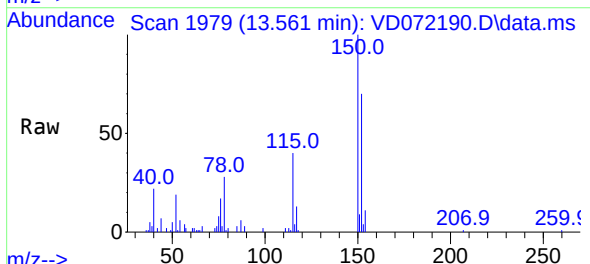
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

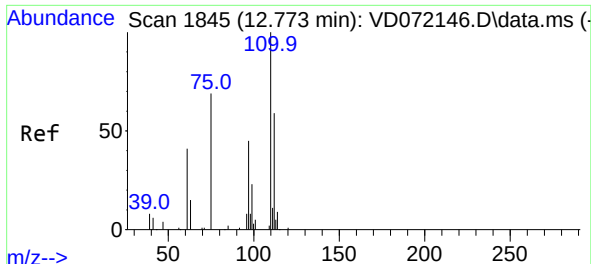
Tgt Ion:117	Resp:	61581
Ion Ratio	Lower	Upper
117	100	
82	61.3	45.3 67.9
119	34.6	26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

Tgt Ion:152	Resp:	23430
Ion Ratio	Lower	Upper
152	100	
115	55.3	31.3 93.8
150	148.7	0.0 348.6

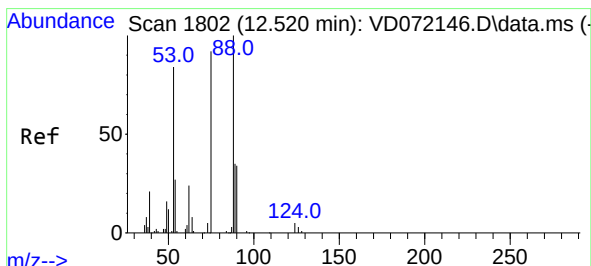
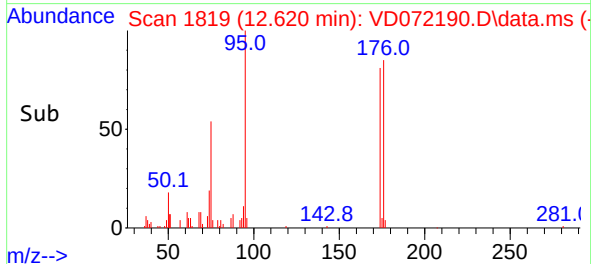
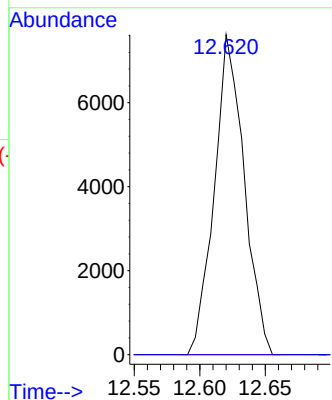
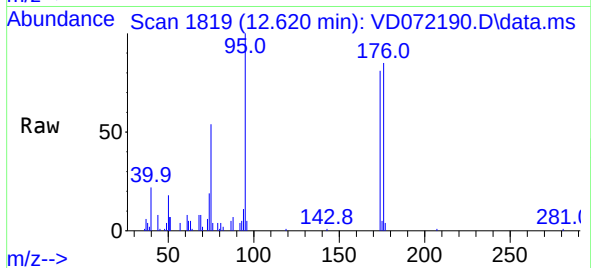




#76
1,2,3-Trichloropropane
Concen: 46.674 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

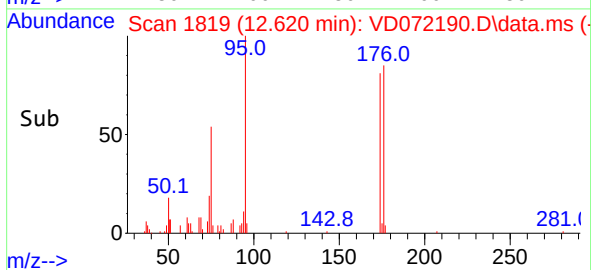
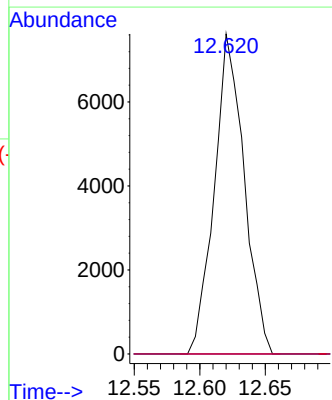
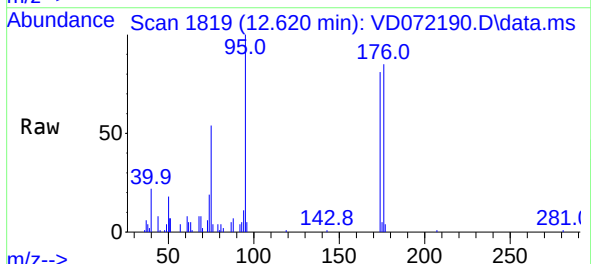
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1C-(3.5-4.0)

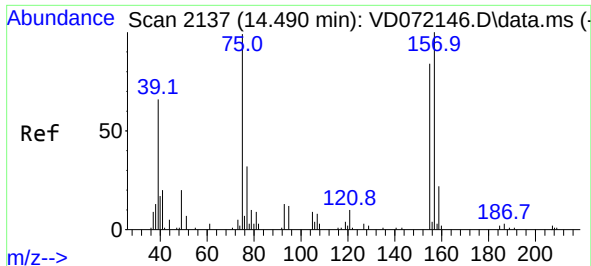
Tgt Ion: 75 Resp: 12063
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 115.802 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072190.D
Acq: 15 Mar 2022 15:49

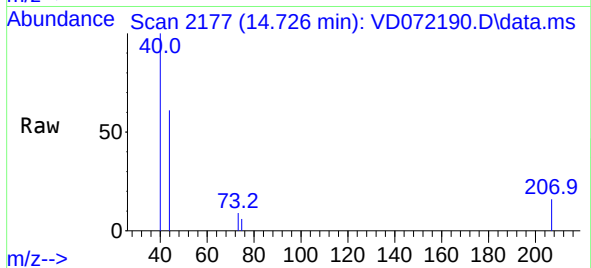
Tgt Ion: 75 Resp: 12063
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.151 ug/l
 RT: 14.726 min Scan# 21
 Delta R.T. 0.235 min
 Lab File: VD072190.D
 Acq: 15 Mar 2022 15:49

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



Tgt Ion: 75	Resp: 61
Ion Ratio	Lower Upper
75	100
155	0.0 36.8 110.3#
157	0.0 48.4 145.0#

