

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031422\
 Data File : VD072174.D
 Acq On : 14 Mar 2022 18:22
 Operator : VA/SY
 Sample : N1936-02
 Misc : 7.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-148-IDWSO-20220311-2

Quant Time: Mar 15 01:25:34 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)

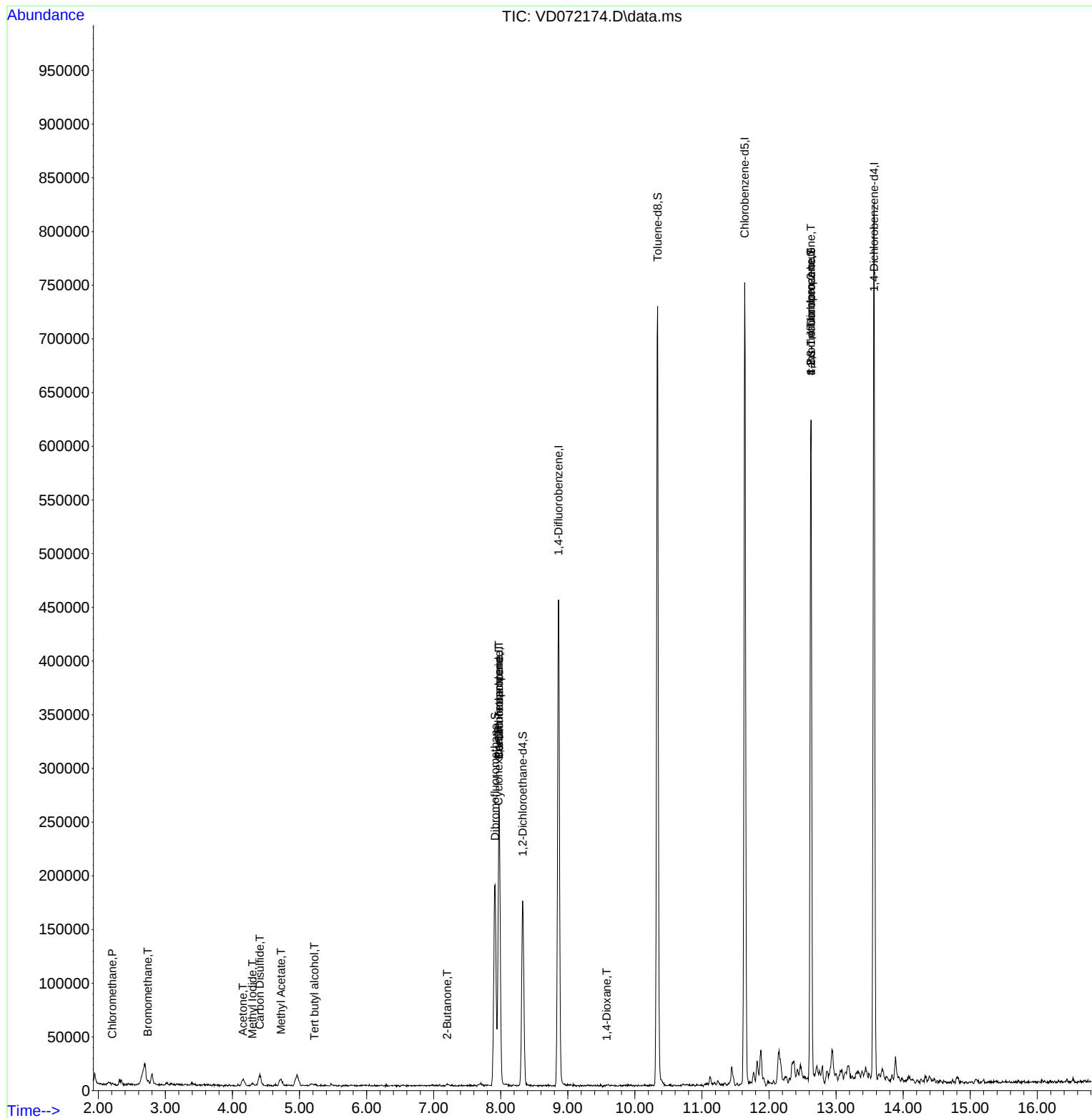
Internal Standards						
1) Pentafluorobenzene	7.973	168	193088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	379972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	427987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	216324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	144013	66.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.840%	
35) Dibromofluoromethane	7.914	113	139416	52.140	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.280%	
50) Toluene-d8	10.338	98	492785	50.402	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.800%	
62) 4-Bromofluorobenzene	12.626	95	208503	54.884	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.760%	
Target Compounds						
						Qvalue
3) Chloromethane	2.209	50	1609	1.014	ug/l	98
5) Bromomethane	2.738	94	2331	2.337	ug/l	83
10) Methyl Iodide	4.297	142	3189	3.769	ug/l #	76
11) Tert butyl alcohol	5.220	59	1327	10.636	ug/l #	74
16) Acetone	4.156	43	11121	23.803	ug/l	94
17) Carbon Disulfide	4.409	76	21221	6.474	ug/l	100
18) Methyl Acetate	4.726	43	12892	11.260	ug/l #	55
20) Methylene Chloride	4.968	84	7661	Below Cal	#	87
25) 2-Butanone	7.203	43	790	1.268	ug/l	97
31) Cyclohexane	7.967	56	4460	1.327	ug/l #	19
36) 1,1-Dichloropropene	7.973	75	16787	4.475	ug/l #	49
38) Carbon Tetrachloride	7.973	117	18573	4.356	ug/l #	17
49) 1,4-Dioxane	9.579	88	56	3.235	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	107582	45.084	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	107582	111.859	ug/l #	7

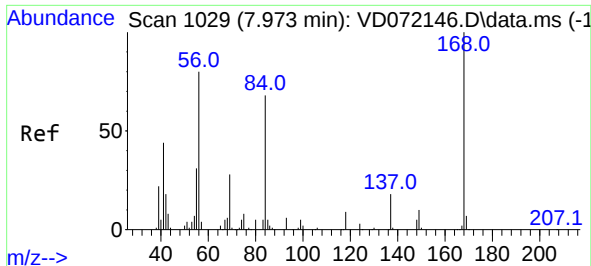
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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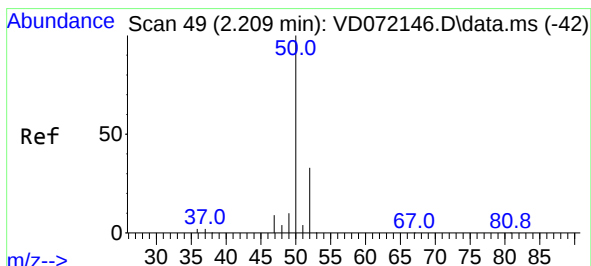
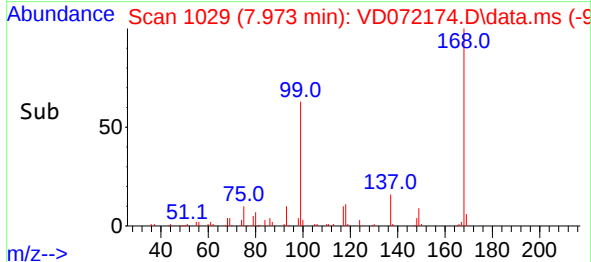
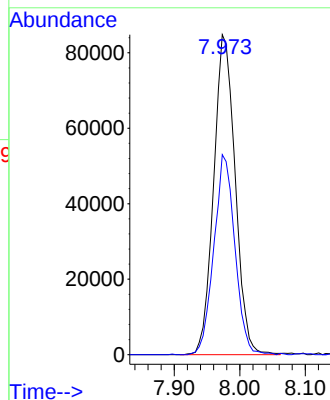
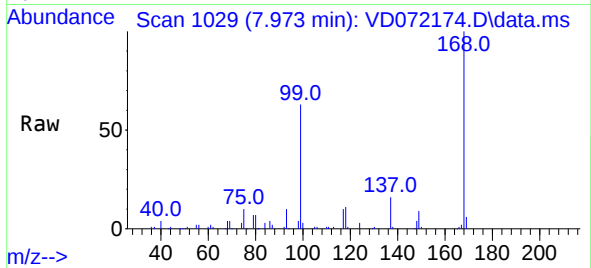




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

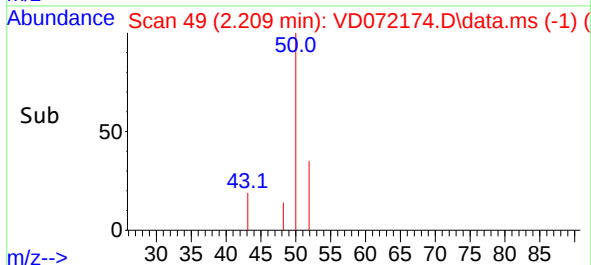
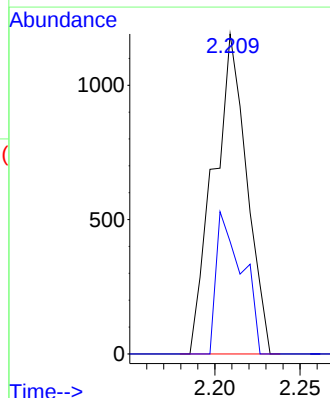
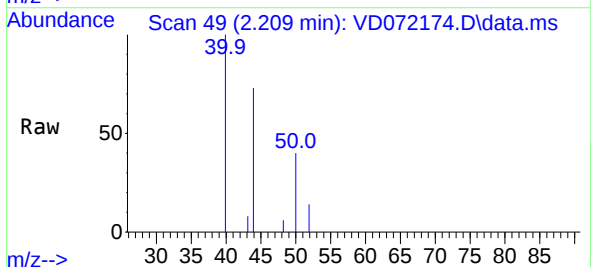
Instrument : MSVOA_D
ClientSampleId : TT-148-IDWSO-20220311-2

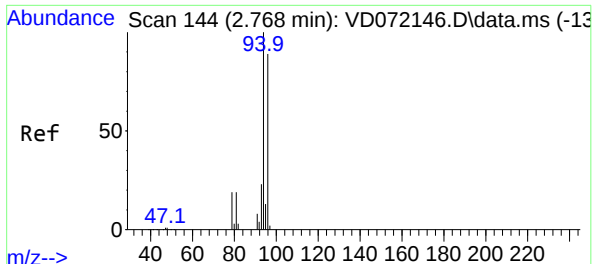
Tgt Ion:168 Resp: 193088
Ion Ratio Lower Upper
168 100
99 62.5 49.8 74.6



#3
Chloromethane
Concen: 1.014 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Tgt Ion: 50 Resp: 1609
Ion Ratio Lower Upper
50 100
52 35.1 27.4 41.0

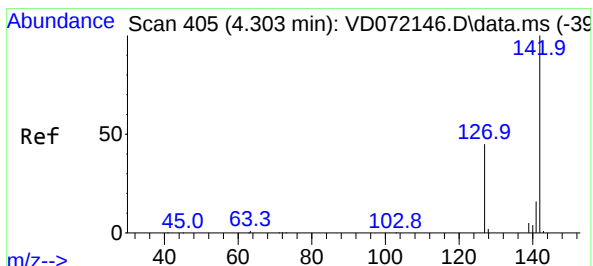
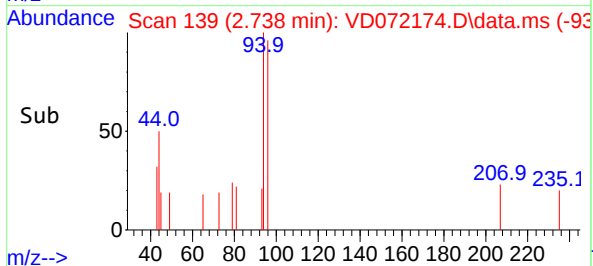
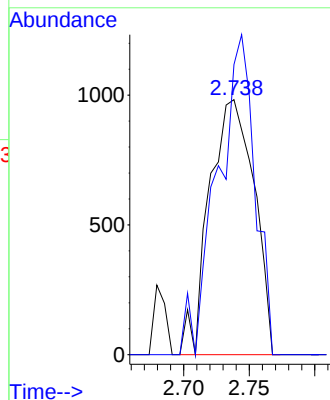
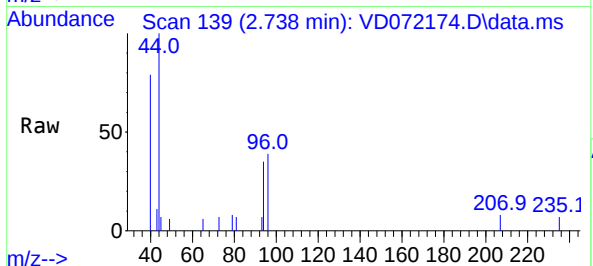




#5
Bromomethane
Concen: 2.337 ug/l
RT: 2.738 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

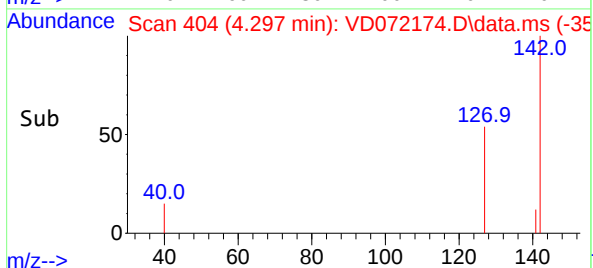
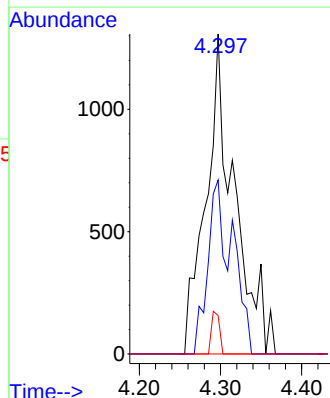
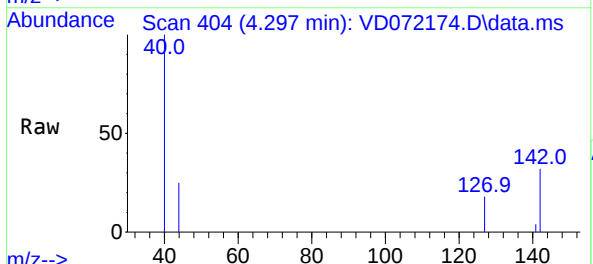
Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2

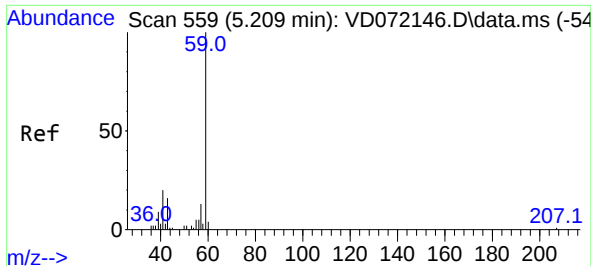
Tgt Ion: 94 Resp: 2331
Ion Ratio Lower Upper
94 100
96 113.7 77.6 116.4



#10
Methyl Iodide
Concen: 3.769 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Tgt Ion: 142 Resp: 3189
Ion Ratio Lower Upper
142 100
127 31.5 37.3 55.9#
141 3.7 11.7 17.5#

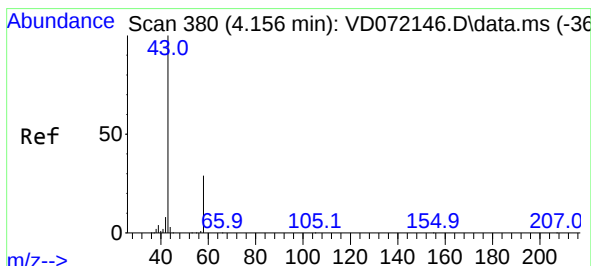
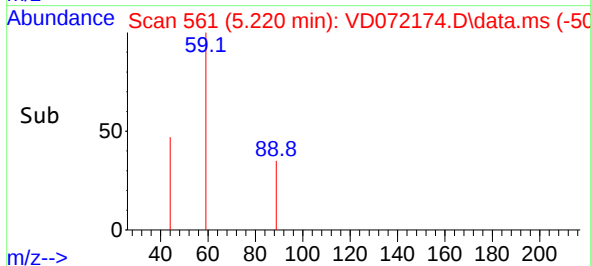
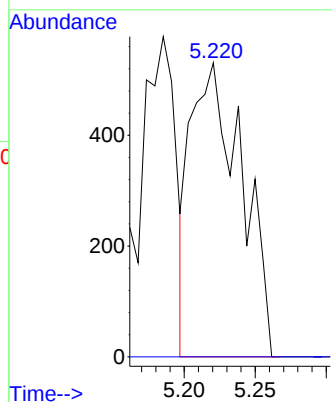
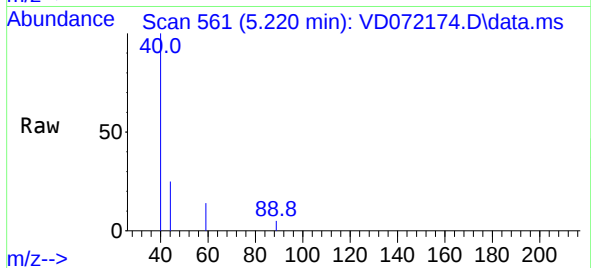




#11
Tert butyl alcohol
Concen: 10.636 ug/l
RT: 5.220 min Scan# 50
Delta R.T. 0.012 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

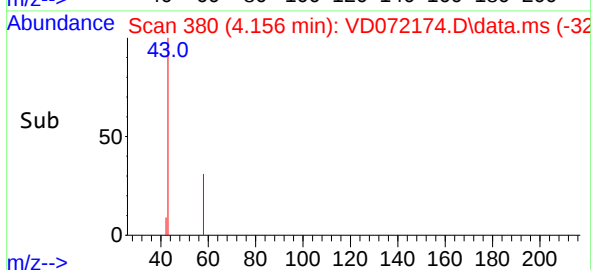
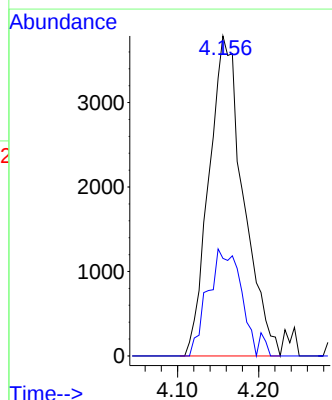
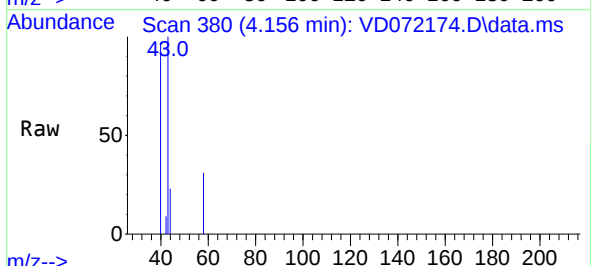
Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2

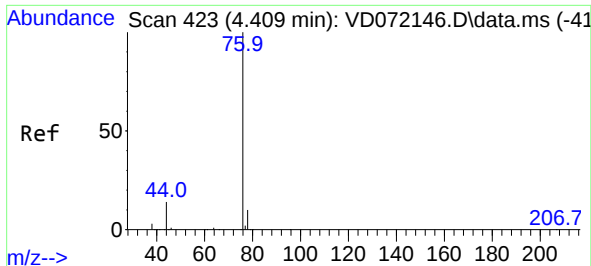
Tgt Ion: 59 Resp: 1327
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 23.803 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Tgt Ion: 43 Resp: 11121
Ion Ratio Lower Upper
43 100
58 30.5 22.1 33.1

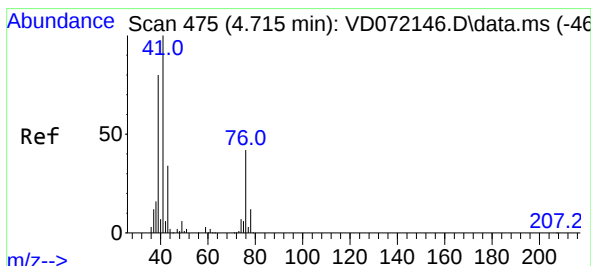
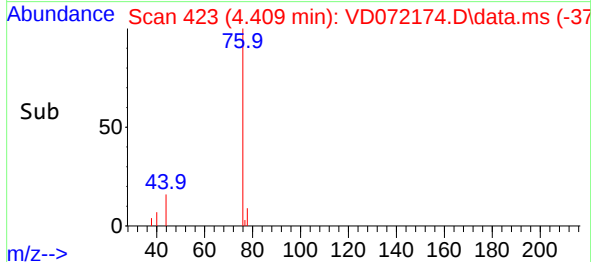
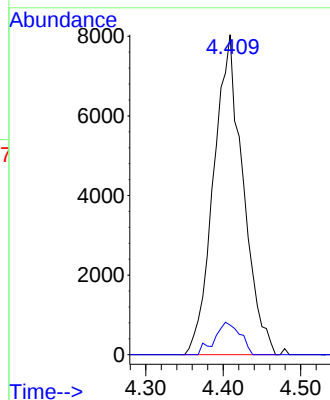
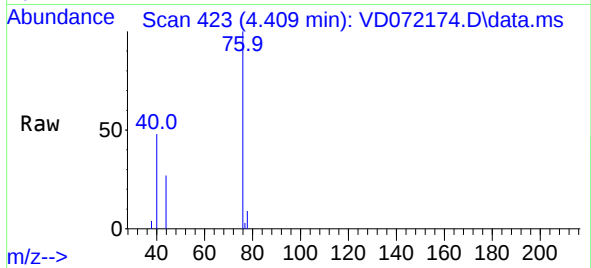




#17
Carbon Disulfide
Concen: 6.474 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

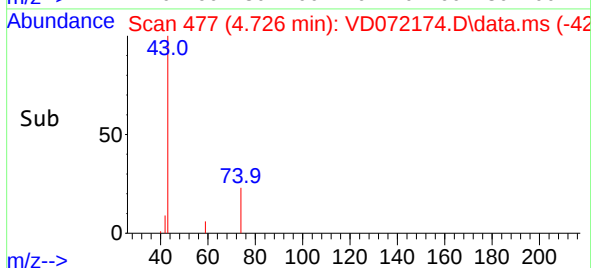
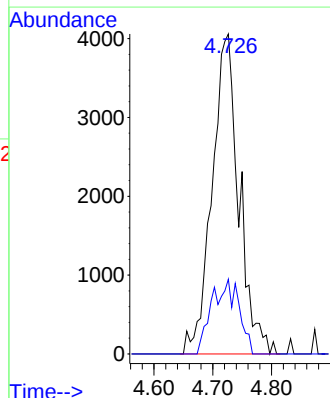
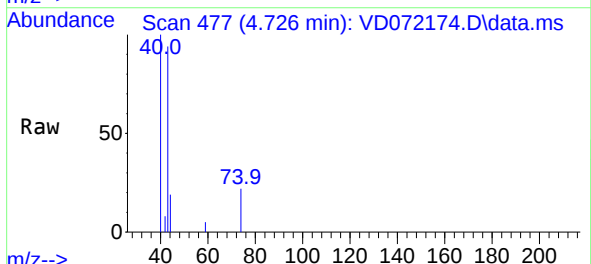
Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2

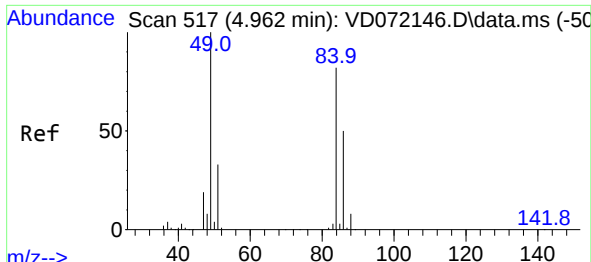
Tgt Ion: 76 Resp: 21221
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 11.260 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Tgt Ion: 43 Resp: 12892
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



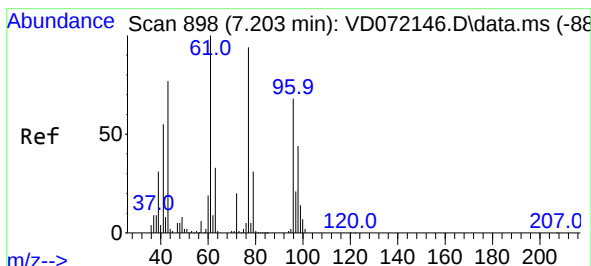
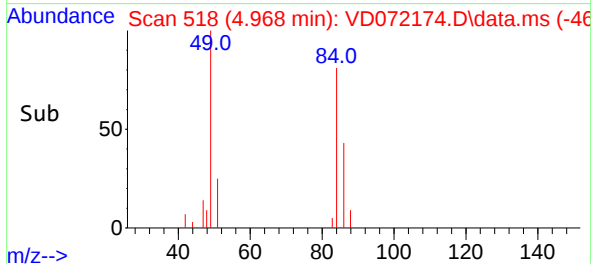
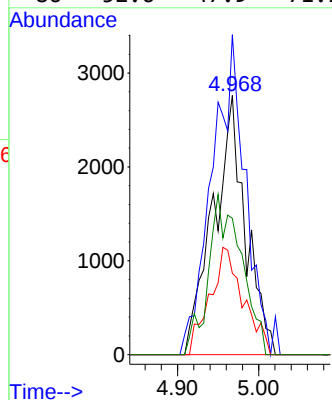
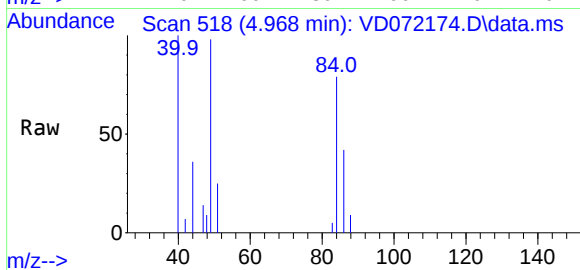


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2

Tgt Ion: 84 Resp: 7661

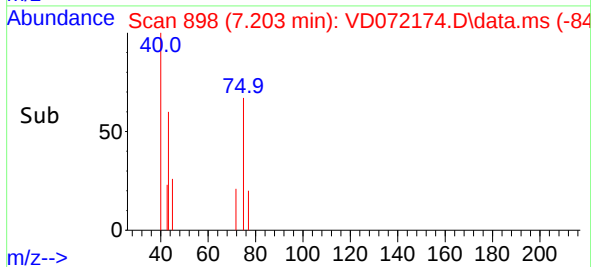
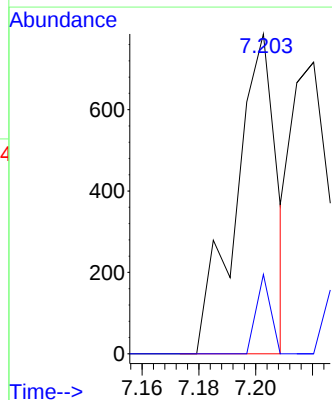
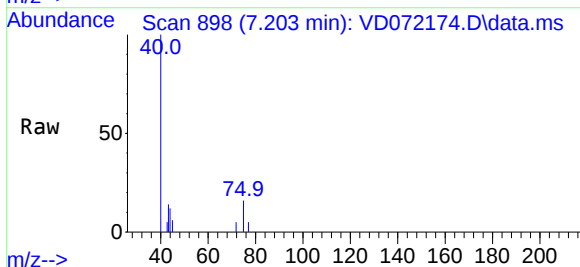
Ion	Ratio	Lower	Upper
84	100		
49	123.5	112.8	169.2
51	31.4	32.6	48.8#
86	52.6	47.9	71.9

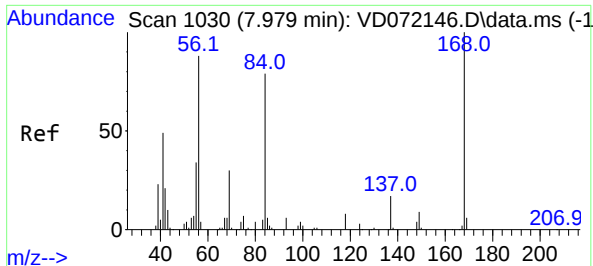


#25
2-Butanone
Concen: 1.268 ug/l
RT: 7.203 min Scan# 898
Delta R.T. 0.000 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Tgt Ion: 43 Resp: 790

Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.6	27.8

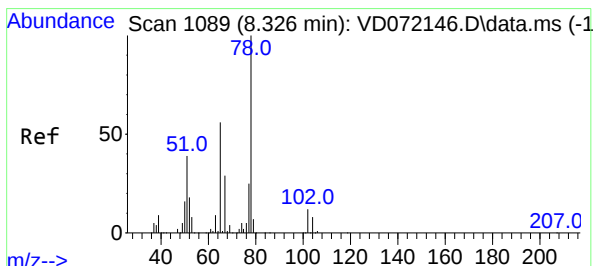
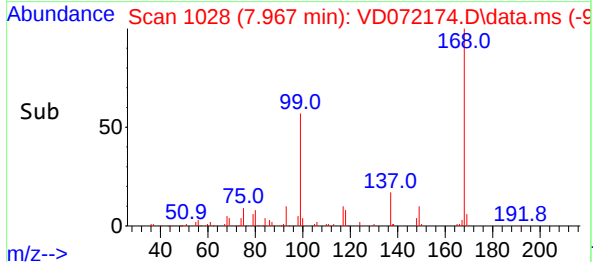
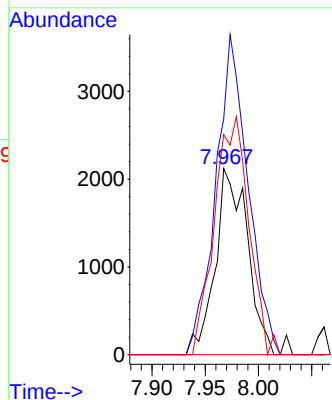
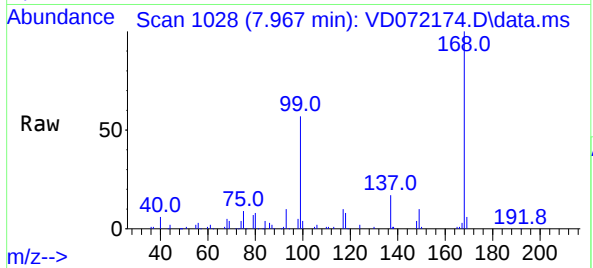




#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

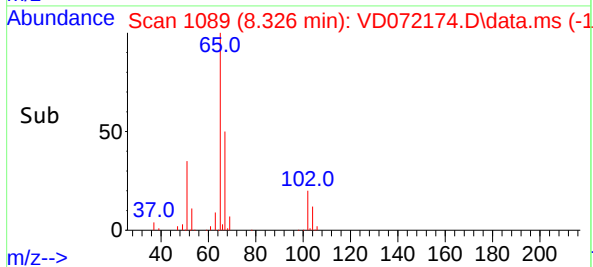
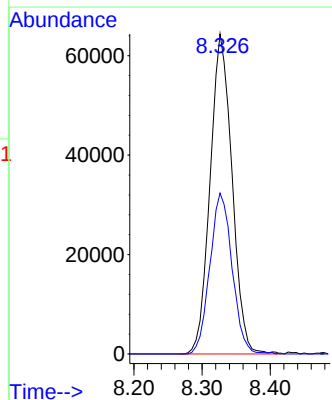
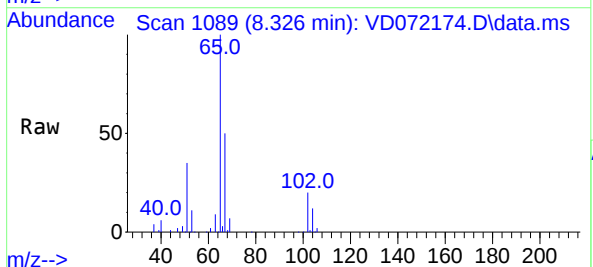
Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2

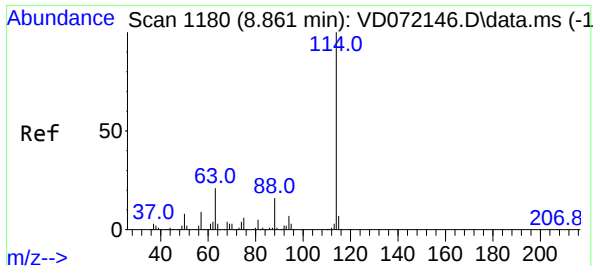
Tgt Ion: 56 Resp: 4460
Ion Ratio Lower Upper
56 100
69 126.8 25.4 38.2#
84 118.2 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 66.925 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Tgt Ion: 65 Resp: 144013
Ion Ratio Lower Upper
65 100
67 51.0 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: VD072174.D

Acq: 14 Mar 2022 18:22

Instrument :

MSVOA_D

ClientSampleId :

TT-148-IDWSO-20220311-2

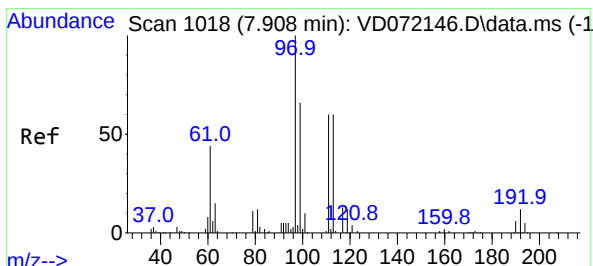
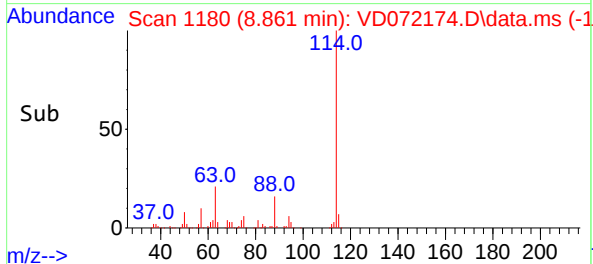
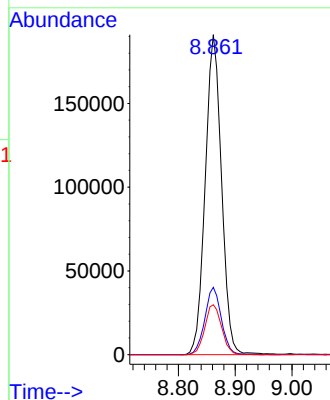
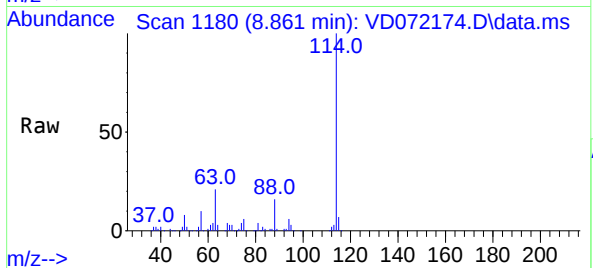
Tgt Ion:114 Resp: 379972

Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.140 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072174.D

Acq: 14 Mar 2022 18:22

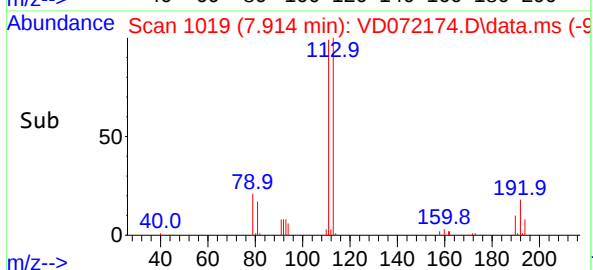
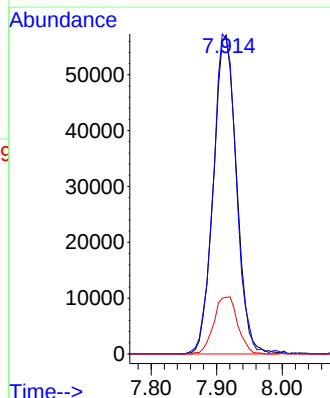
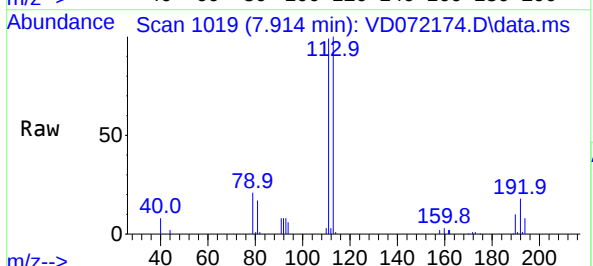
Tgt Ion:113 Resp: 139416

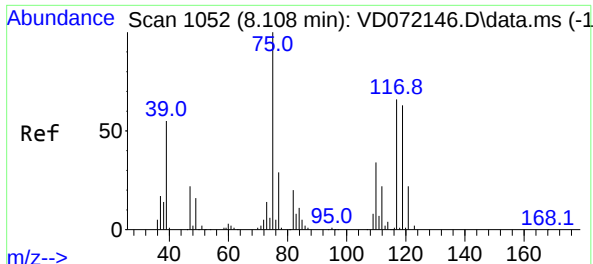
Ion Ratio Lower Upper

113 100

111 100.3 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.475 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072174.D

Acq: 14 Mar 2022 18:22

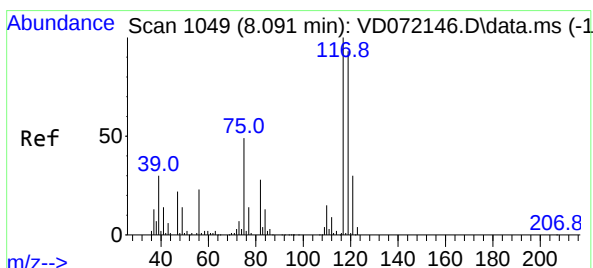
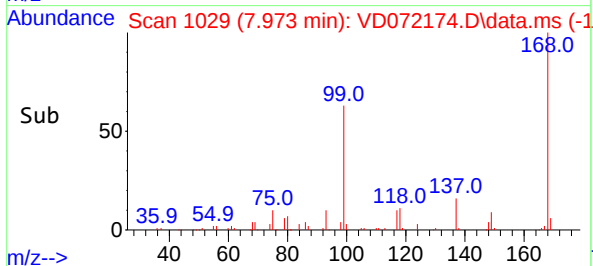
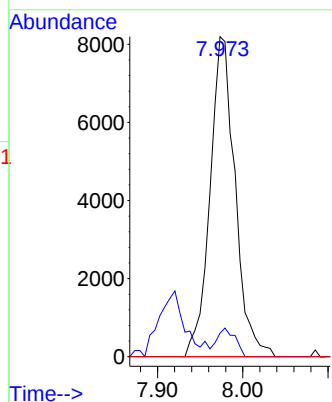
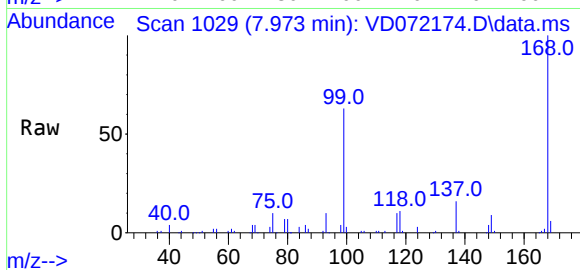
Instrument :

MSVOA_D

ClientSampleId :

TT-148-IDWSO-20220311-2

Tgt Ion:	75	Resp:	16787
Ion	Ratio	Lower	Upper
75	100		
110	6.4	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 4.356 ug/l

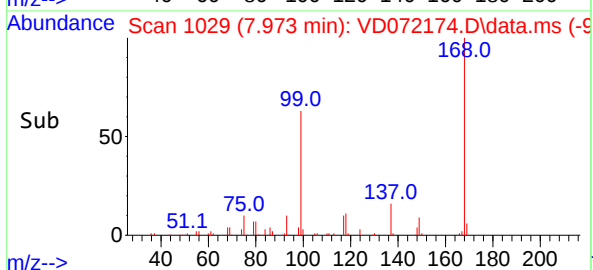
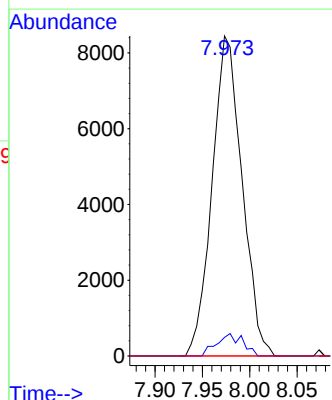
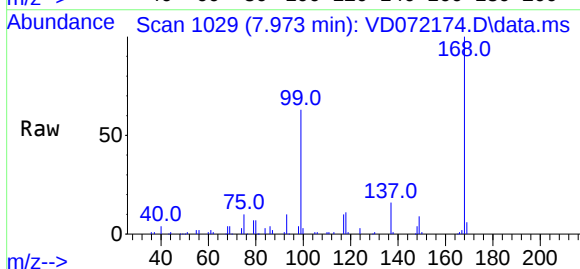
RT: 7.973 min Scan# 1029

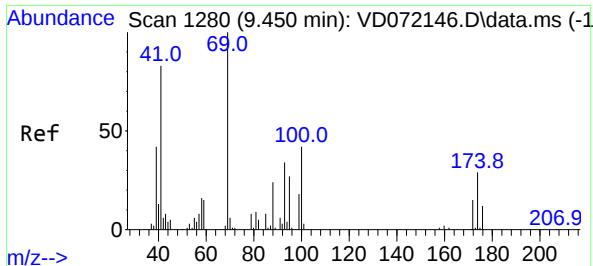
Delta R.T. -0.118 min

Lab File: VD072174.D

Acq: 14 Mar 2022 18:22

Tgt Ion:	117	Resp:	18573
Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.8	113.6#
121	0.0	24.5	36.7#

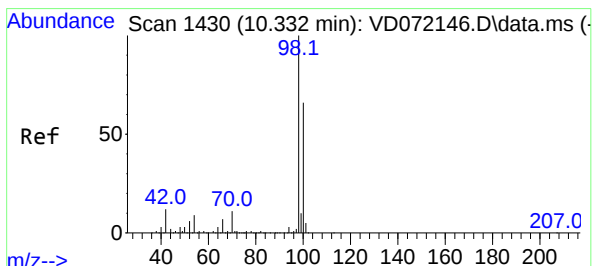
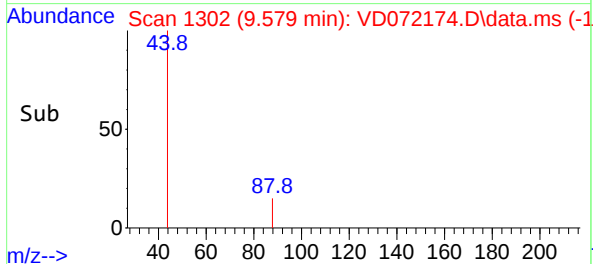
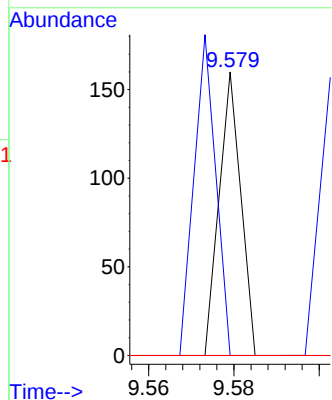
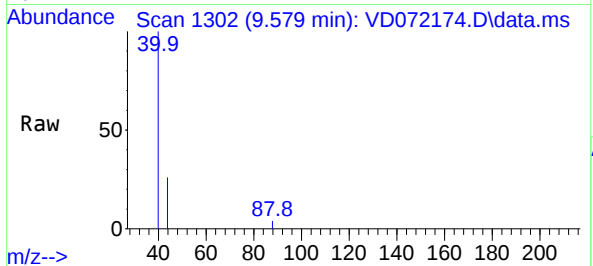




#49
1,4-Dioxane
Concen: 3.235 ug/l
RT: 9.579 min Scan# 11
Delta R.T. 0.130 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

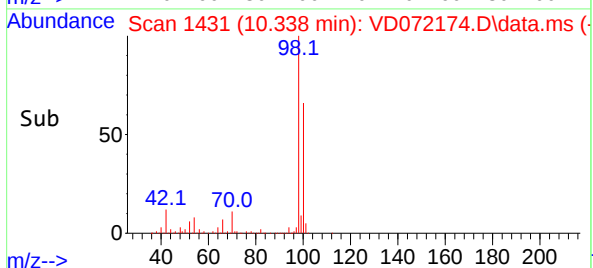
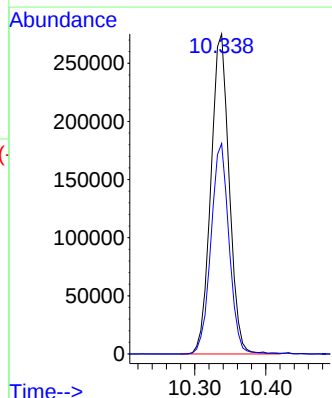
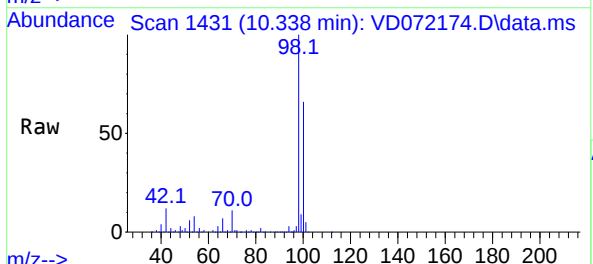
Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2

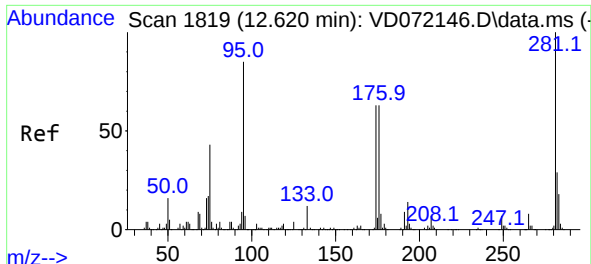
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 114.3 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 50.402 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Tgt Ion: 98 Resp: 492785
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



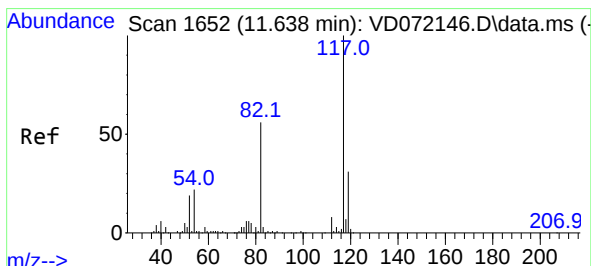
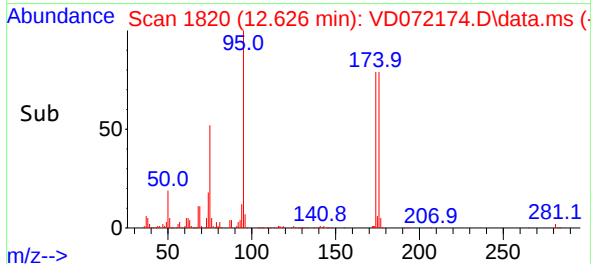
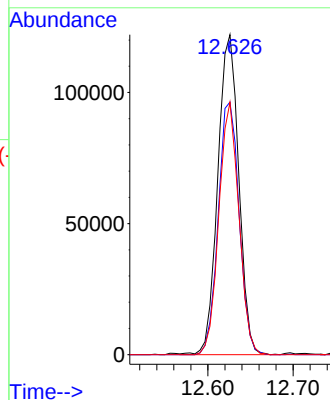
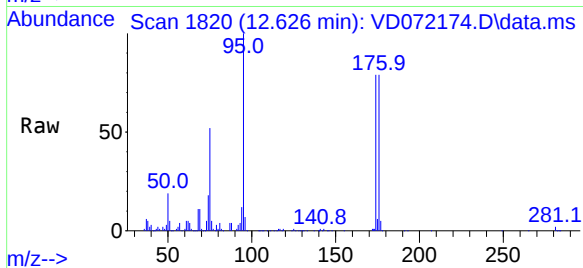


#62
4-Bromofluorobenzene
Concen: 54.884 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Instrument : MSVOA_D
ClientSampleId : TT-148-IDWSO-20220311-2

Tgt Ion: 95 Resp: 208503

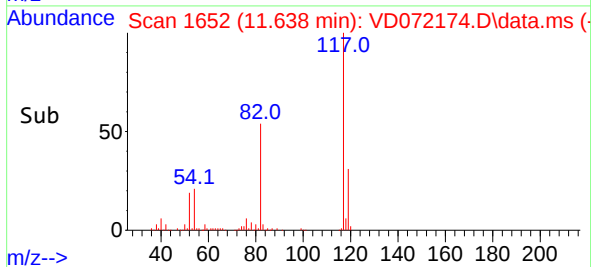
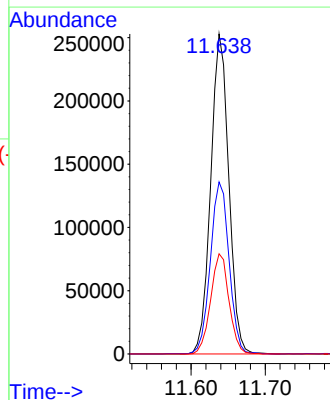
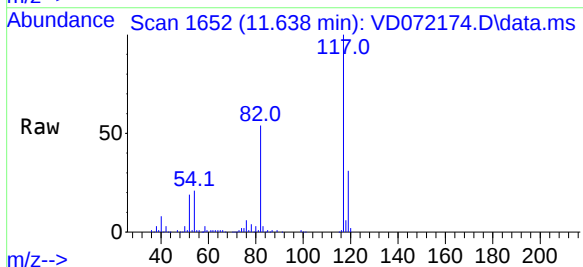
Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	152.8
176	75.2	0.0	145.4

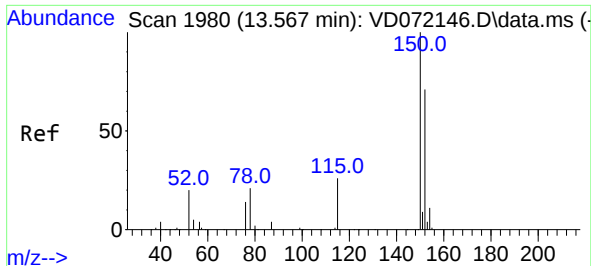


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Tgt Ion: 117 Resp: 427987

Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.3	67.9
119	31.3	26.6	40.0

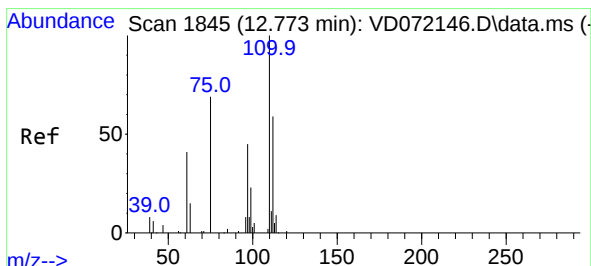
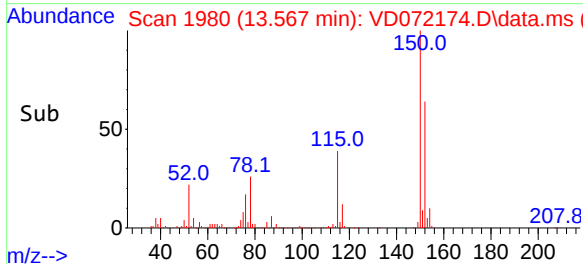
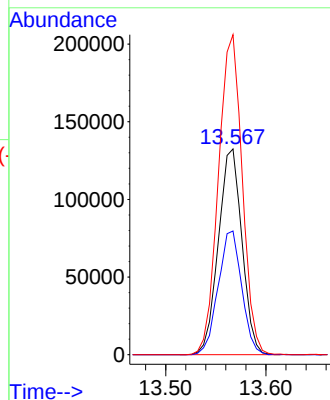
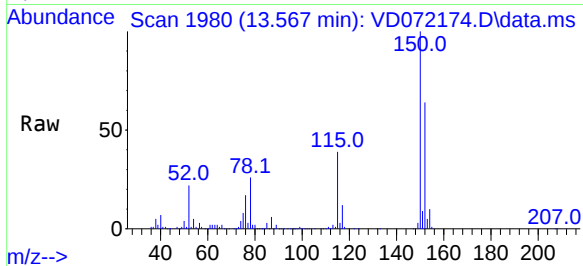




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

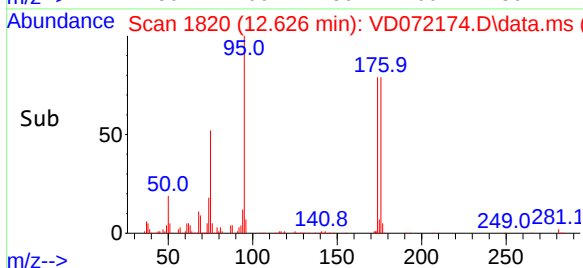
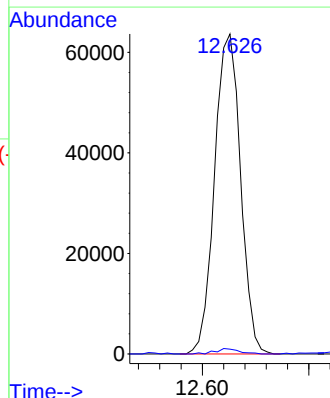
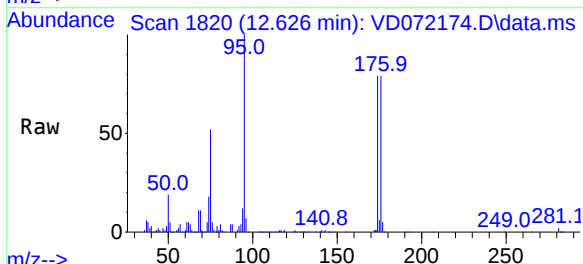
Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2

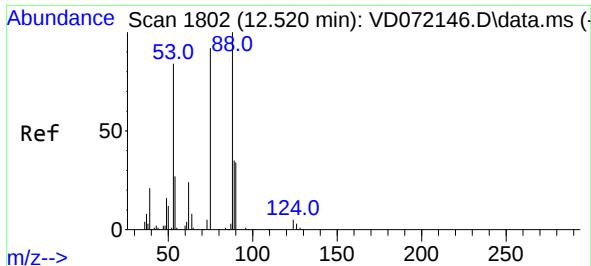
Tgt Ion:152 Resp: 216324
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 156.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.084 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

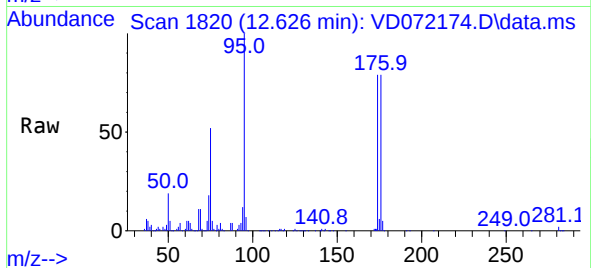
Tgt Ion: 75 Resp: 107582
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 111.859 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD072174.D
Acq: 14 Mar 2022 18:22

Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2



Tgt Ion: 75 Resp: 107582
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#

