

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072184.D
 Acq On : 15 Mar 2022 13:00
 Operator : VA/SY
 Sample : N1936-02RE
 Misc : 6.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 15 17:44:46 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)

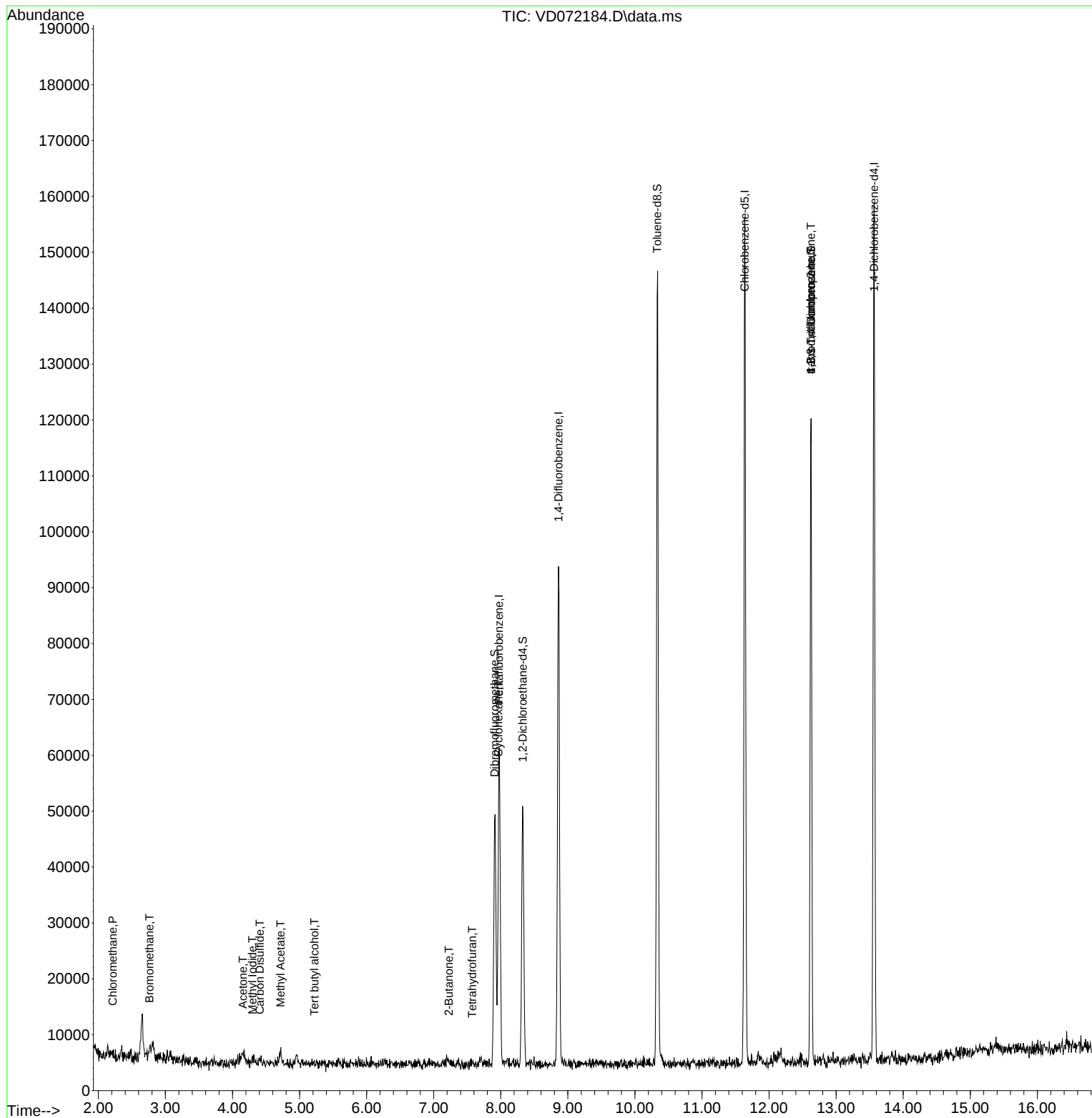
Internal Standards						
1) Pentafluorobenzene	7.973	168	39952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	77074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	86621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	40826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	36045	80.956	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 161.920%			
35) Dibromofluoromethane	7.908	113	31941	58.891	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.780%			
50) Toluene-d8	10.332	98	95011	47.908	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.626	95	39175	50.838	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.680%			
Target Compounds						Qvalue
3) Chloromethane	2.214	50	1088	3.313	ug/l #	40
5) Bromomethane	2.761	94	1579	7.650	ug/l	95
10) Methyl Iodide	4.297	142	1410	5.521	ug/l #	79
11) Tert butyl alcohol	5.220	59	263	10.188	ug/l #	66
16) Acetone	4.156	43	4706	48.681	ug/l #	80
17) Carbon Disulfide	4.408	76	1459	3.153	ug/l #	74
18) Methyl Acetate	4.714	43	3600	15.196	ug/l #	81
20) Methylene Chloride	4.950	84	284	Below Cal	#	78
25) 2-Butanone	7.226	43	584	4.531	ug/l #	52
29) Tetrahydrofuran	7.573	42	90	1.187	ug/l #	38
31) Cyclohexane	7.967	56	1443	2.074	ug/l #	23
76) 1,2,3-Trichloropropane	12.626	75	19117	42.450	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	19117	105.322	ug/l #	7

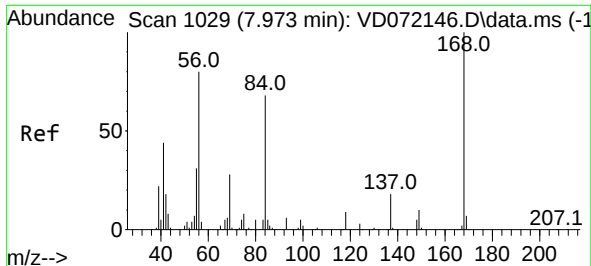
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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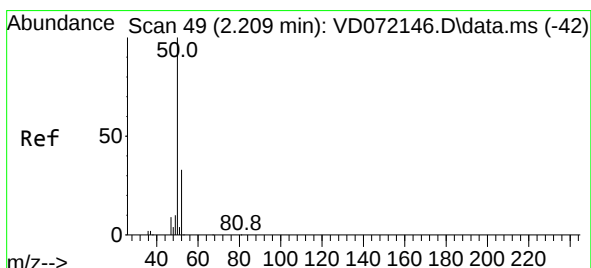
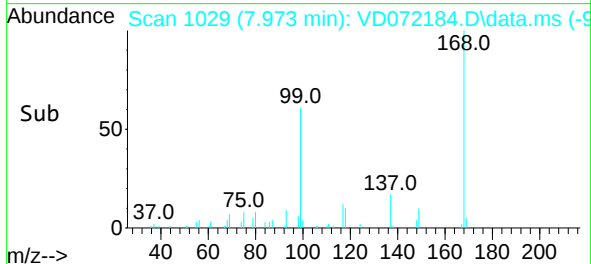
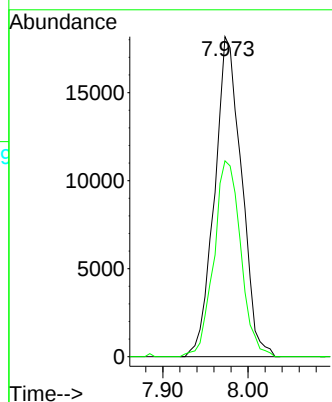
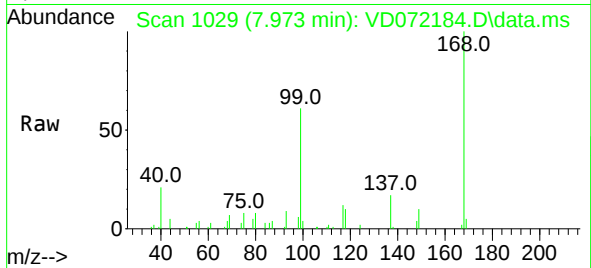




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

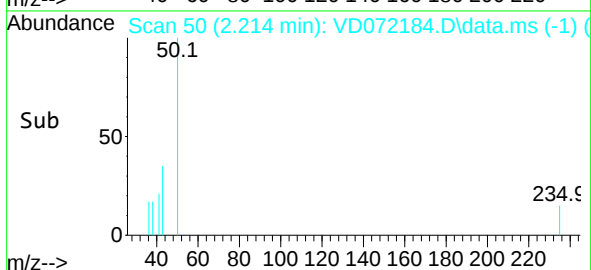
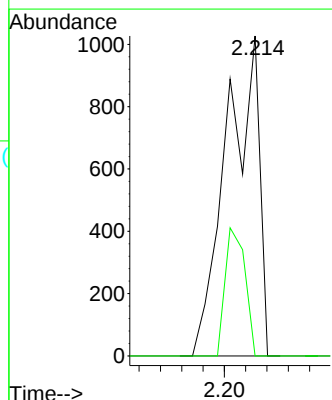
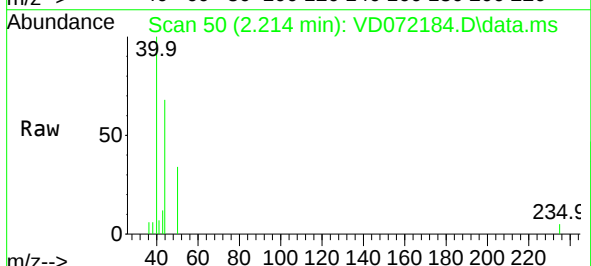
Instrument : MSVOA_D
ClientSampleId : TT-148-IDWSO-20220311-2RE

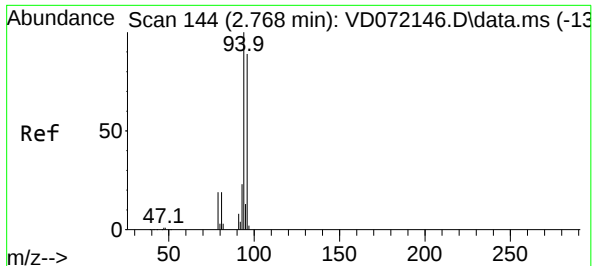
Tgt Ion:168 Resp: 39952
Ion Ratio Lower Upper
168 100
99 61.2 49.8 74.6



#3
Chloromethane
Concen: 3.313 ug/l
RT: 2.214 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

Tgt Ion: 50 Resp: 1088
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

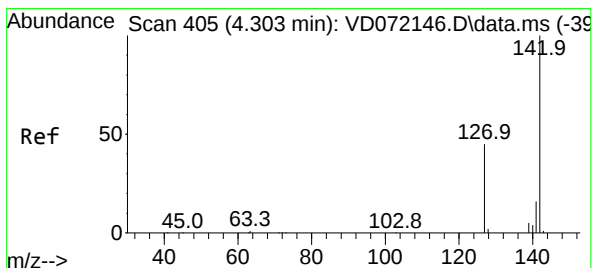
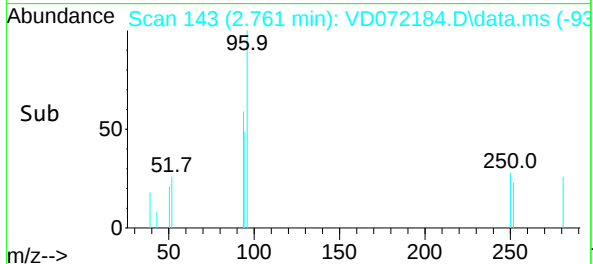
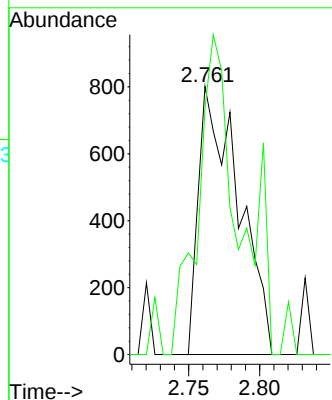
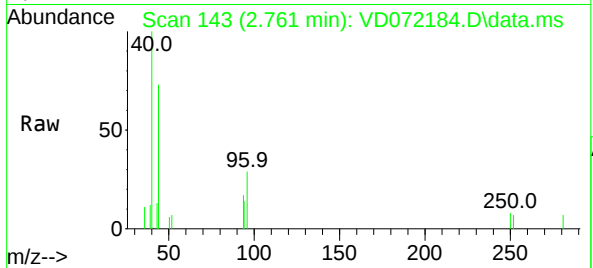




#5
Bromomethane
Concen: 7.650 ug/l
RT: 2.761 min Scan# 144
Delta R.T. -0.006 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

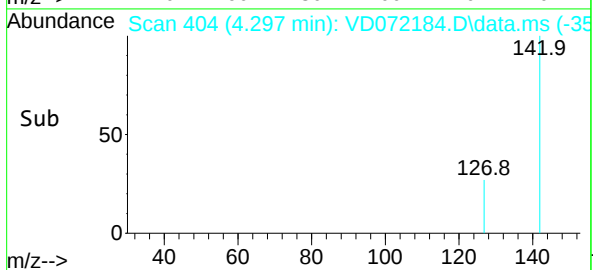
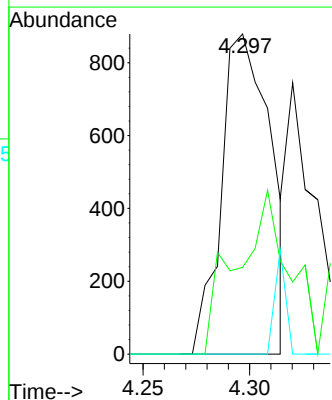
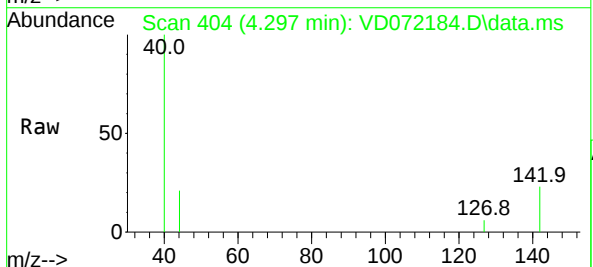
Instrument : MSVOA_D
ClientSampleId : TT-148-IDWSO-20220311-2RE

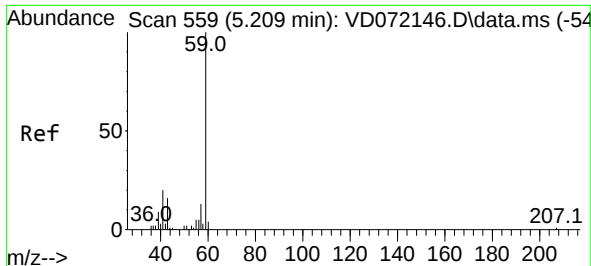
Tgt Ion: 94 Resp: 1579
Ion Ratio Lower Upper
94 100
96 92.0 77.6 116.4



#10
Methyl Iodide
Concen: 5.521 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

Tgt Ion: 142 Resp: 1410
Ion Ratio Lower Upper
142 100
127 61.0 37.3 55.9#
141 7.2 11.7 17.5#

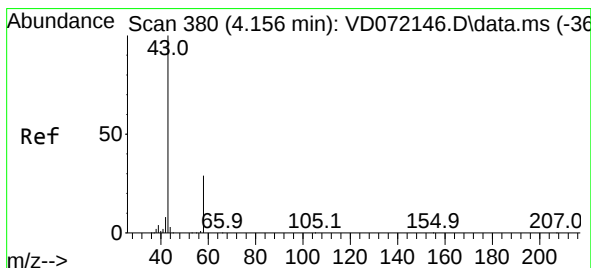
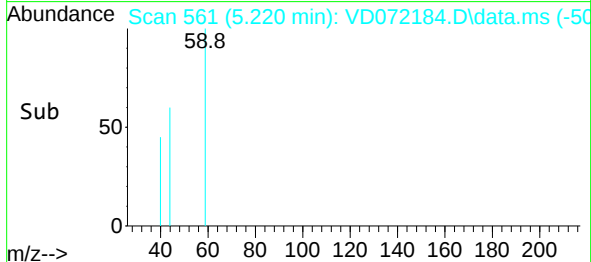
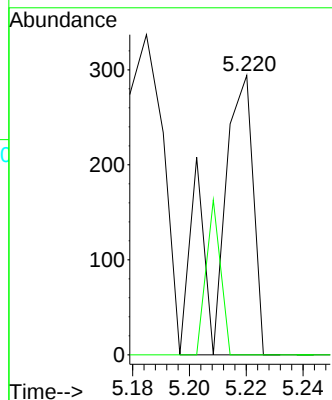
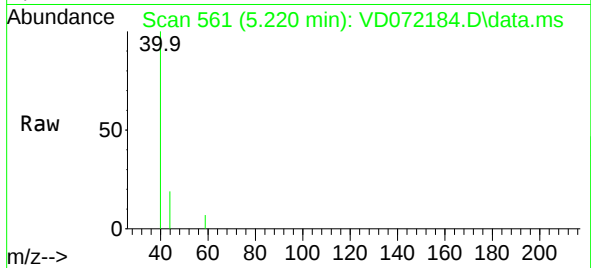




#11
Tert butyl alcohol
Concen: 10.188 ug/l
RT: 5.220 min Scan# 50
Delta R.T. 0.012 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

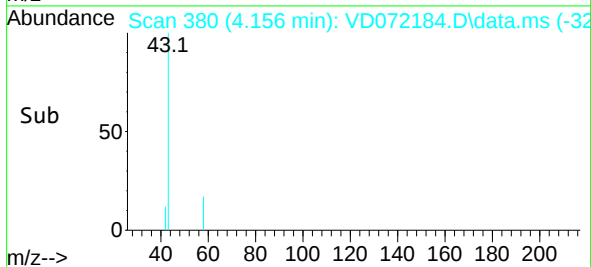
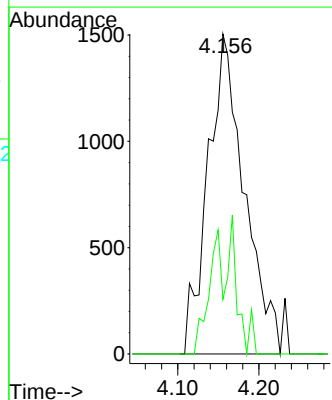
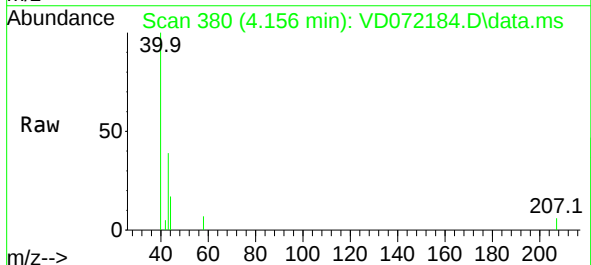
Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2RE

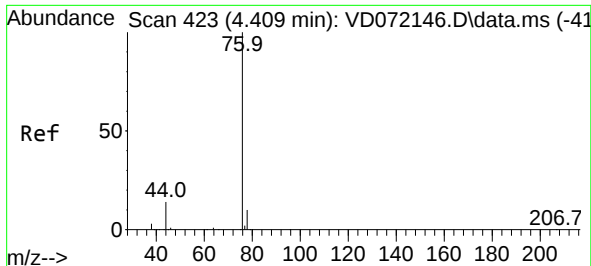
Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 22.1 7.8 11.6#



#16
Acetone
Concen: 48.681 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

Tgt Ion: 43 Resp: 4706
Ion Ratio Lower Upper
43 100
58 17.1 22.1 33.1#

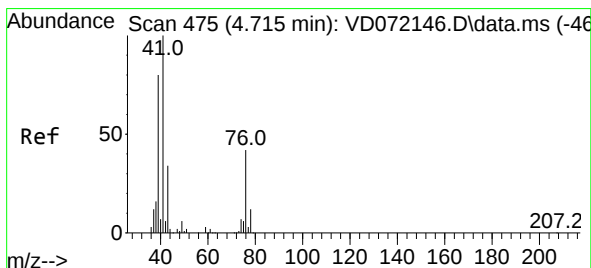
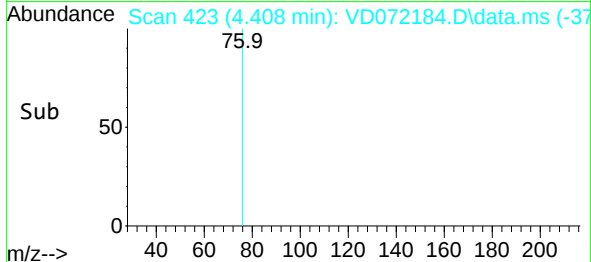
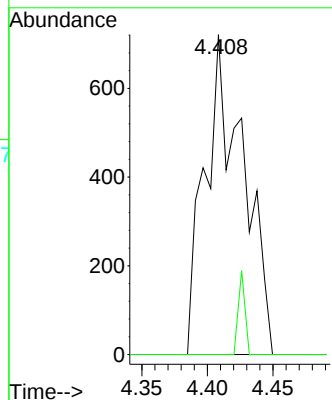
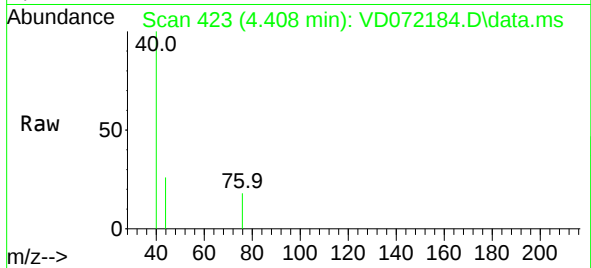




#17
Carbon Disulfide
Concen: 3.153 ug/l
RT: 4.408 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

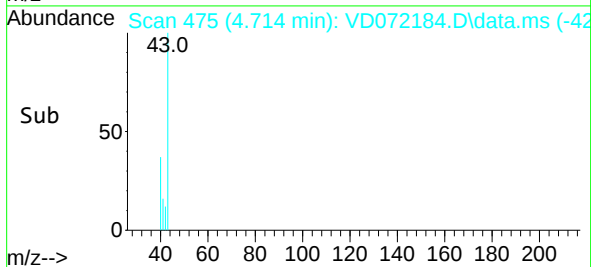
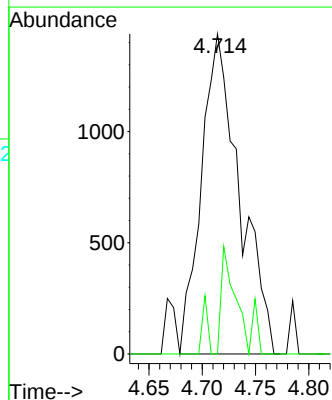
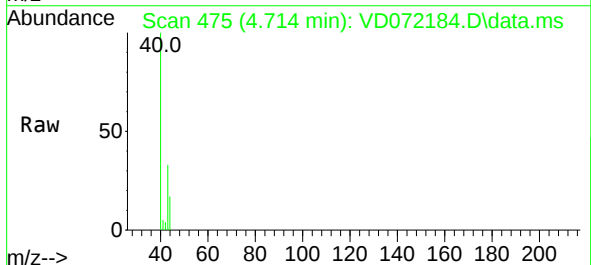
Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2RE

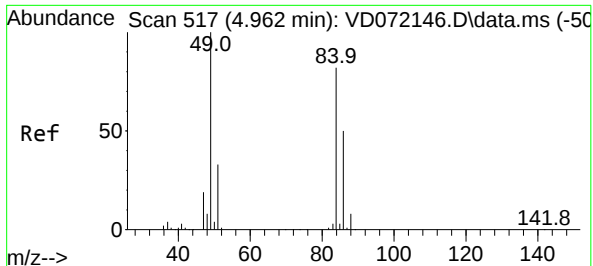
Tgt Ion: 76 Resp: 1459
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 15.196 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

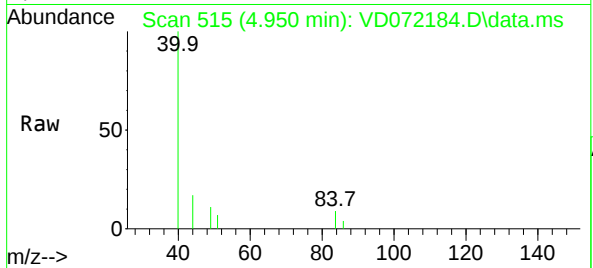
Tgt Ion: 43 Resp: 3600
Ion Ratio Lower Upper
43 100
74 12.0 16.7 25.1#



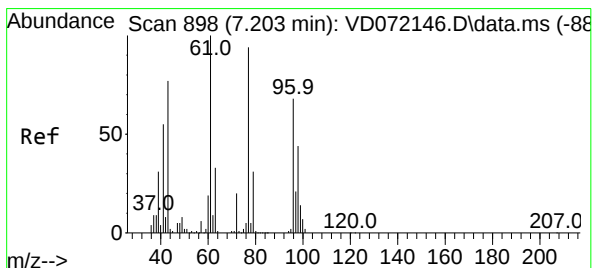
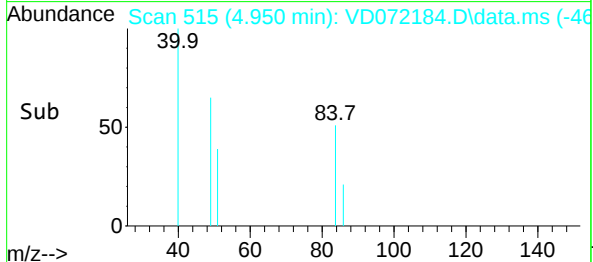
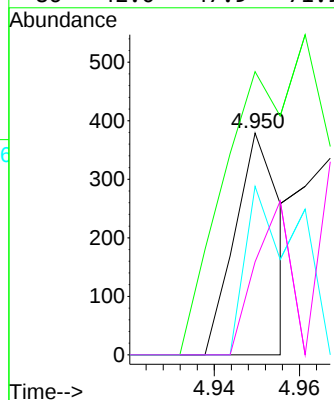


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

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

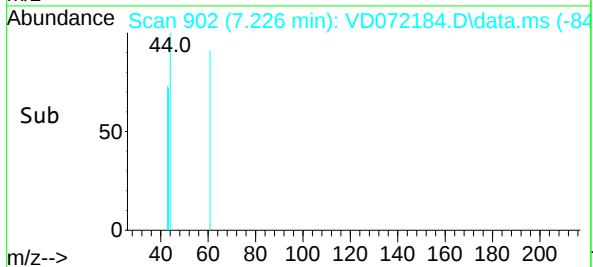
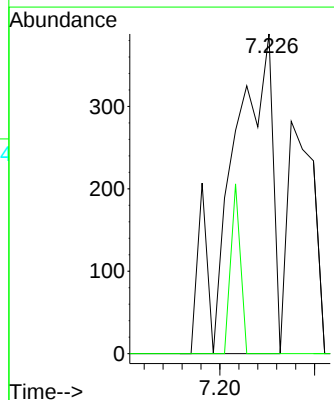
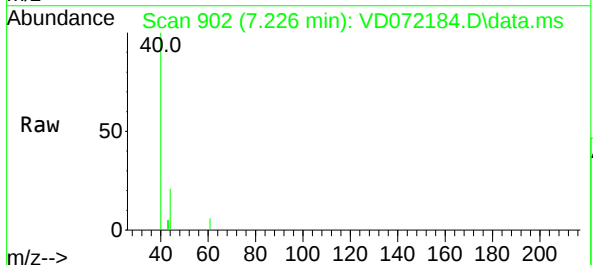


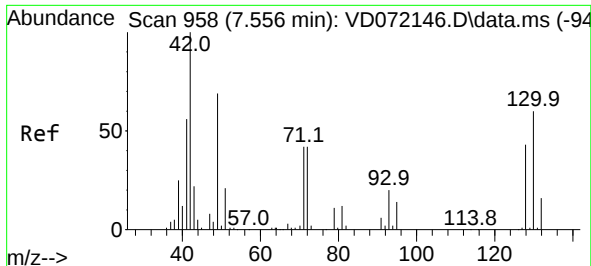
Tgt Ion:	84	Resp:	284
Ion	Ratio	Lower	Upper
84	100		
49	127.7	112.8	169.2
51	76.0	32.6	48.8#
86	42.0	47.9	71.9#



#25
2-Butanone
Concen: 4.531 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.023 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

Tgt Ion:	43	Resp:	584
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#29

Tetrahydrofuran

Concen: 1.187 ug/l

RT: 7.573 min Scan# 90

Delta R.T. 0.017 min

Lab File: VD072184.D

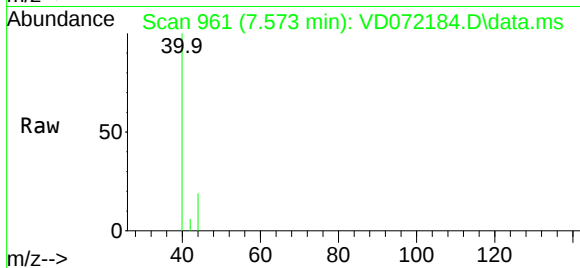
Acq: 15 Mar 2022 13:00

Instrument :

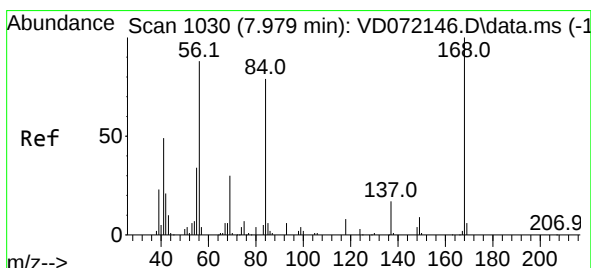
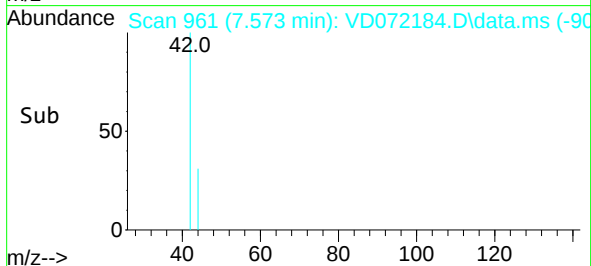
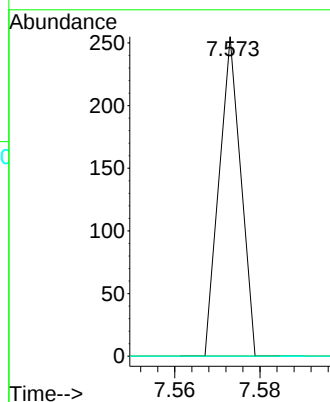
MSVOA_D

ClientSampleId :

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Tgt Ion:	42	Resp:	90
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#



#31

Cyclohexane

Concen: 2.074 ug/l

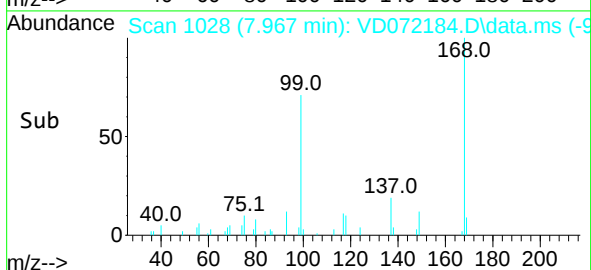
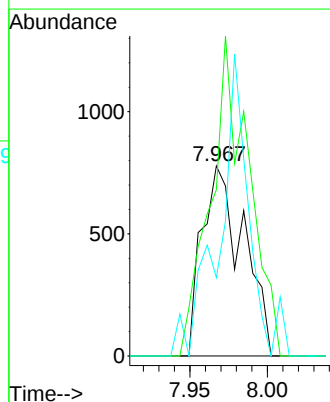
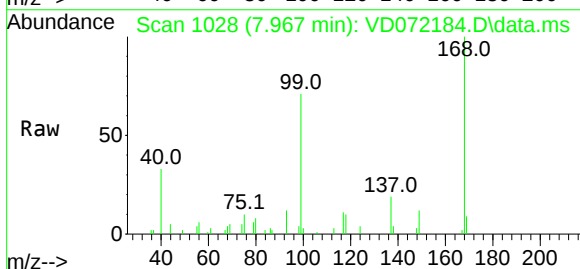
RT: 7.967 min Scan# 1028

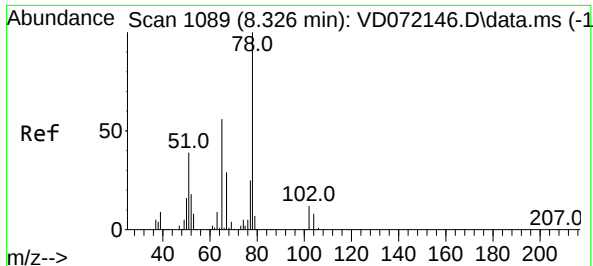
Delta R.T. -0.012 min

Lab File: VD072184.D

Acq: 15 Mar 2022 13:00

Tgt Ion:	56	Resp:	1443
Ion Ratio	Lower	Upper	
56	100		
69	87.5	25.4	38.2#
84	19.3	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 80.956 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD072184.D

Acq: 15 Mar 2022 13:00

Instrument :

MSVOA_D

ClientSampleId :

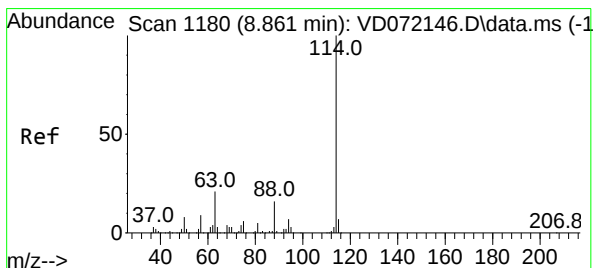
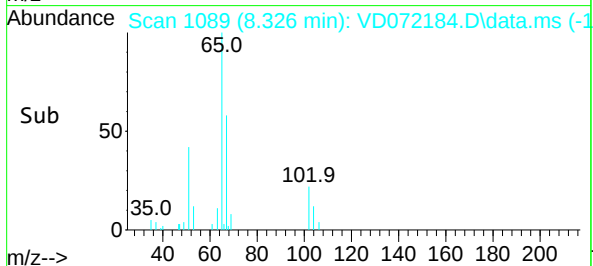
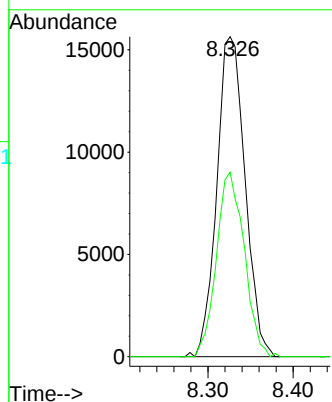
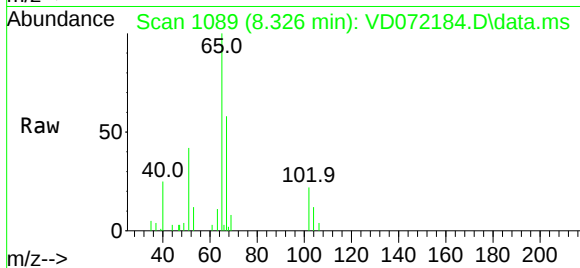
TT-148-IDWSO-20220311-2RE

Tgt Ion: 65 Resp: 36045

Ion Ratio Lower Upper

65 100

67 56.6 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: VD072184.D

Acq: 15 Mar 2022 13:00

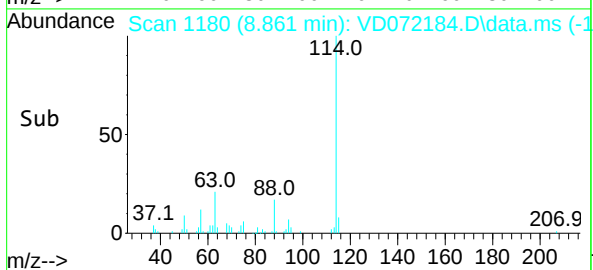
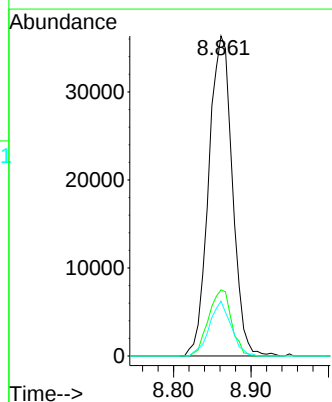
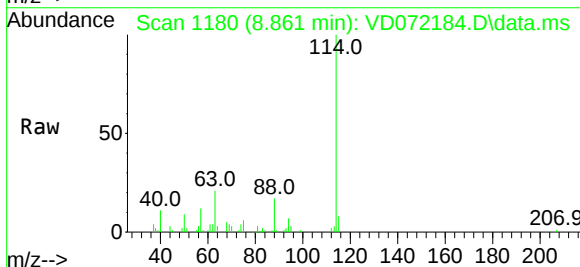
Tgt Ion: 114 Resp: 77074

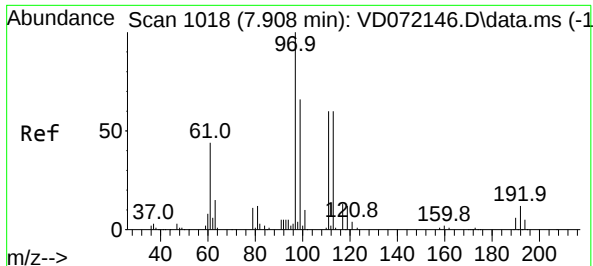
Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 17.1 0.0 33.2

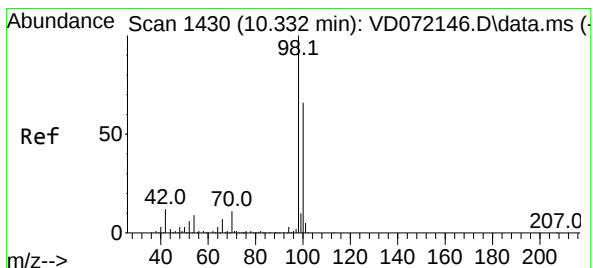
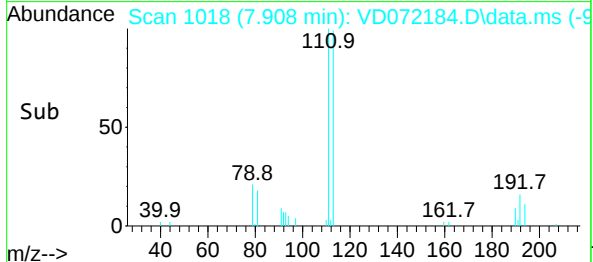
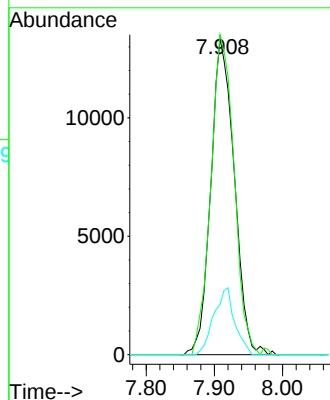
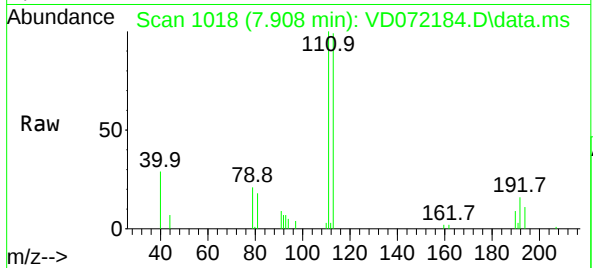




#35
Dibromofluoromethane
Concen: 58.891 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

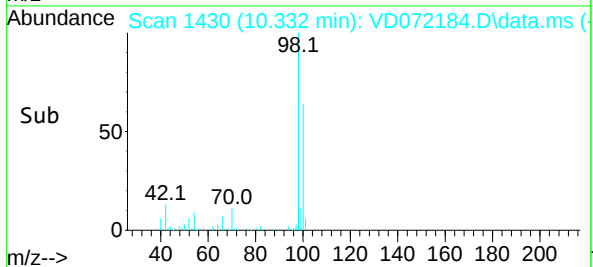
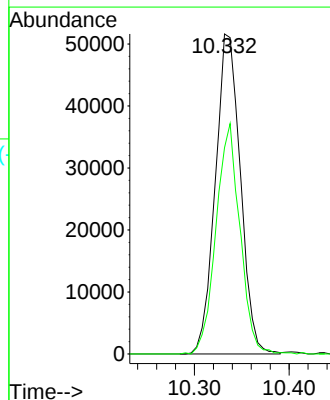
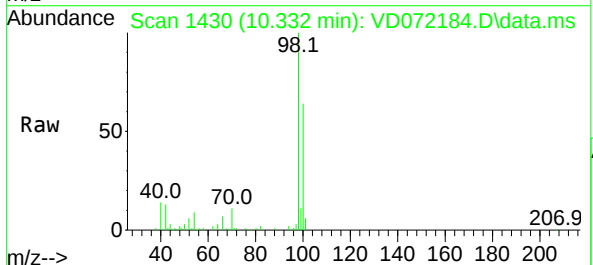
Instrument : MSVOA_D
ClientSampleId : TT-148-IDWSO-20220311-2RE

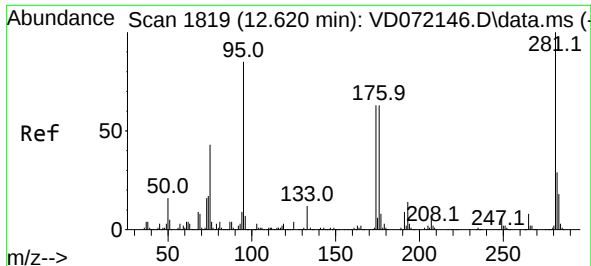
Tgt Ion:	113	Resp:	31941
Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.8	125.6
192	18.8	14.6	21.8



#50
Toluene-d8
Concen: 47.908 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

Tgt Ion:	98	Resp:	95011
Ion	Ratio	Lower	Upper
98	100		
100	68.7	52.4	78.6

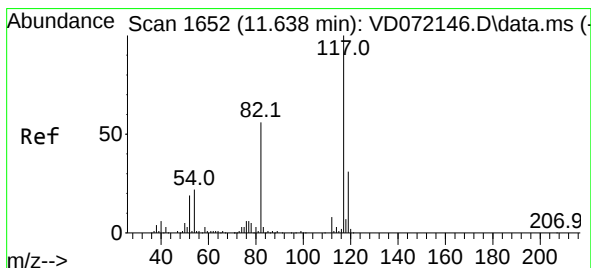
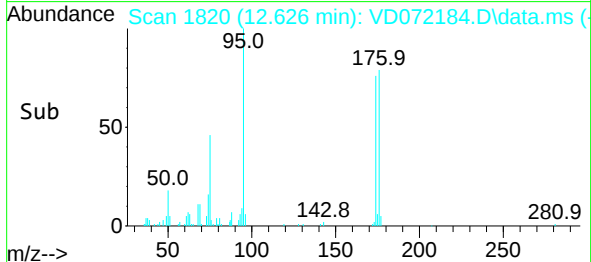
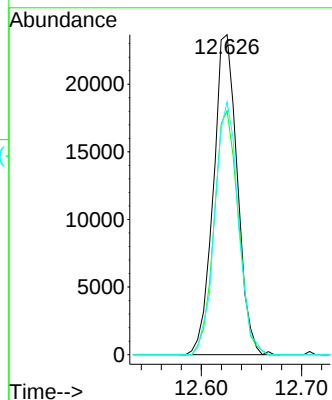
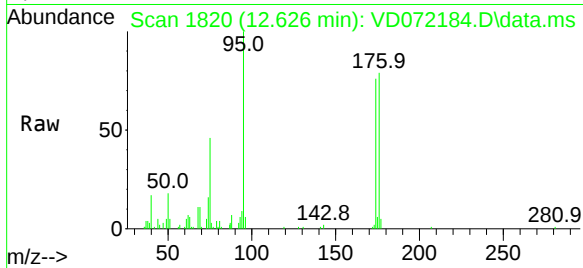




#62
4-Bromofluorobenzene
Concen: 50.838 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

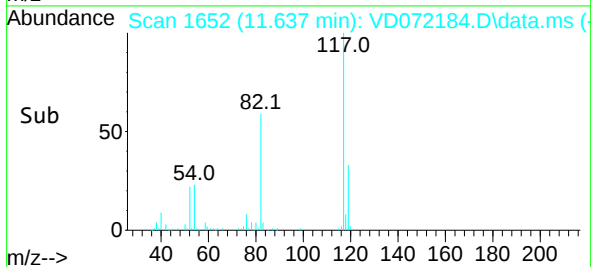
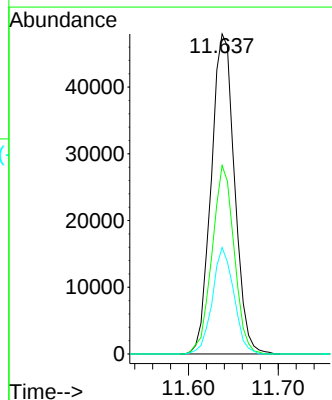
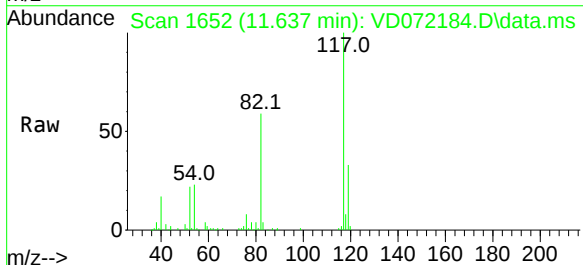
Instrument :
MSVOA_D
ClientSampleId :
TT-148-IDWSO-20220311-2RE

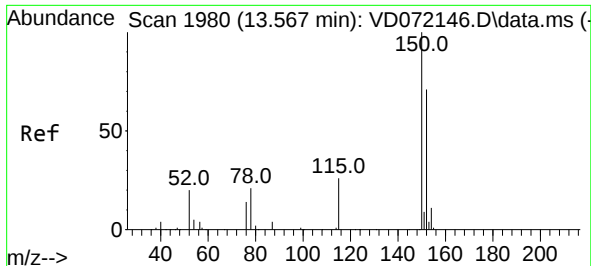
Tgt Ion:	95	Resp:	39175
Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	152.8
176	78.0	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

Tgt Ion:	117	Resp:	86621
Ion	Ratio	Lower	Upper
117	100		
82	58.9	45.3	67.9
119	33.3	26.6	40.0

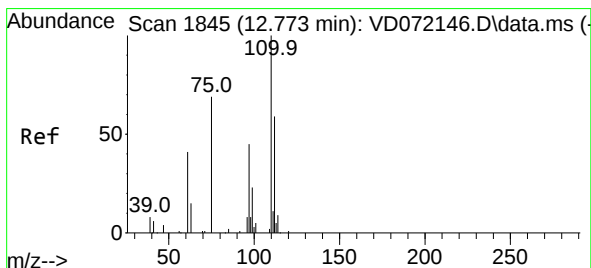
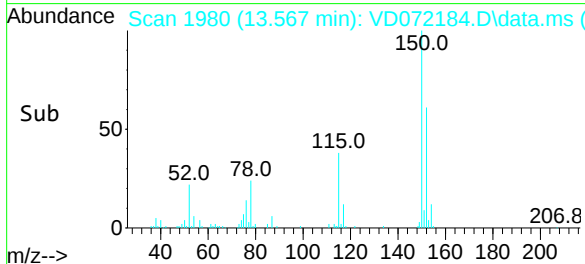
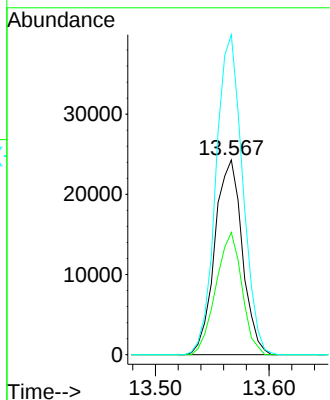
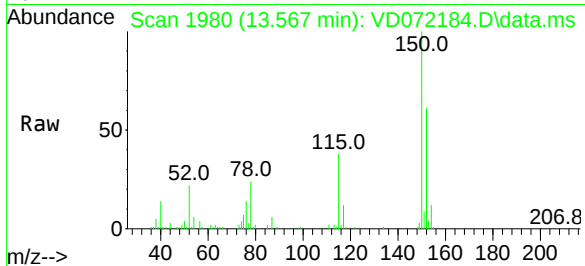




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

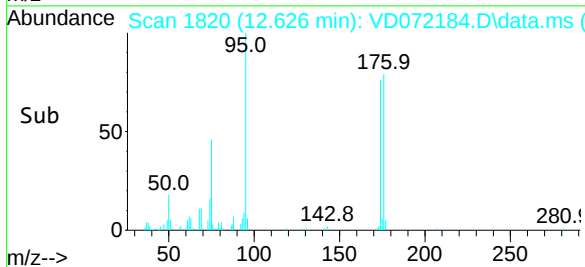
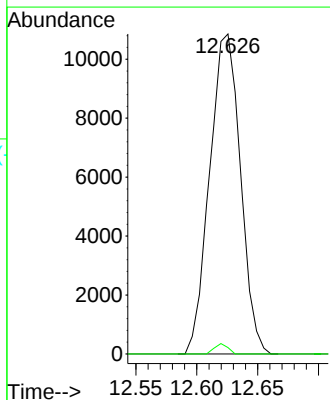
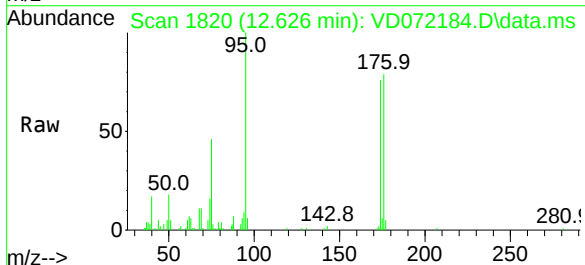
Instrument : MSVOA_D
ClientSampleId : TT-148-IDWSO-20220311-2RE

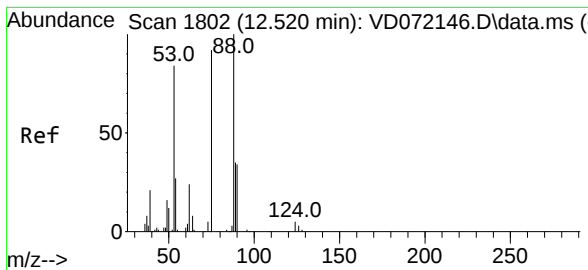
Tgt Ion:152 Resp: 40826
Ion Ratio Lower Upper
152 100
115 59.3 31.3 93.8
150 159.5 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 42.450 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072184.D
Acq: 15 Mar 2022 13:00

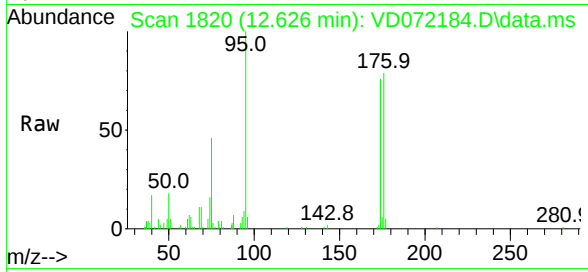
Tgt Ion: 75 Resp: 19117
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.322 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072184.D
 Acq: 15 Mar 2022 13:00

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



Tgt Ion:	75	Resp:	19117
Ion	Ratio	Lower	Upper
75	100		
53	0.4	86.5	129.7#
89	0.0	33.9	50.9#

