

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070224.D
 Acq On : 23 Aug 2021 16:21
 Operator : VA/SY
 Sample : M3463-35
 Misc : 6.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-27-0204

Quant Time: Aug 24 01:31:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

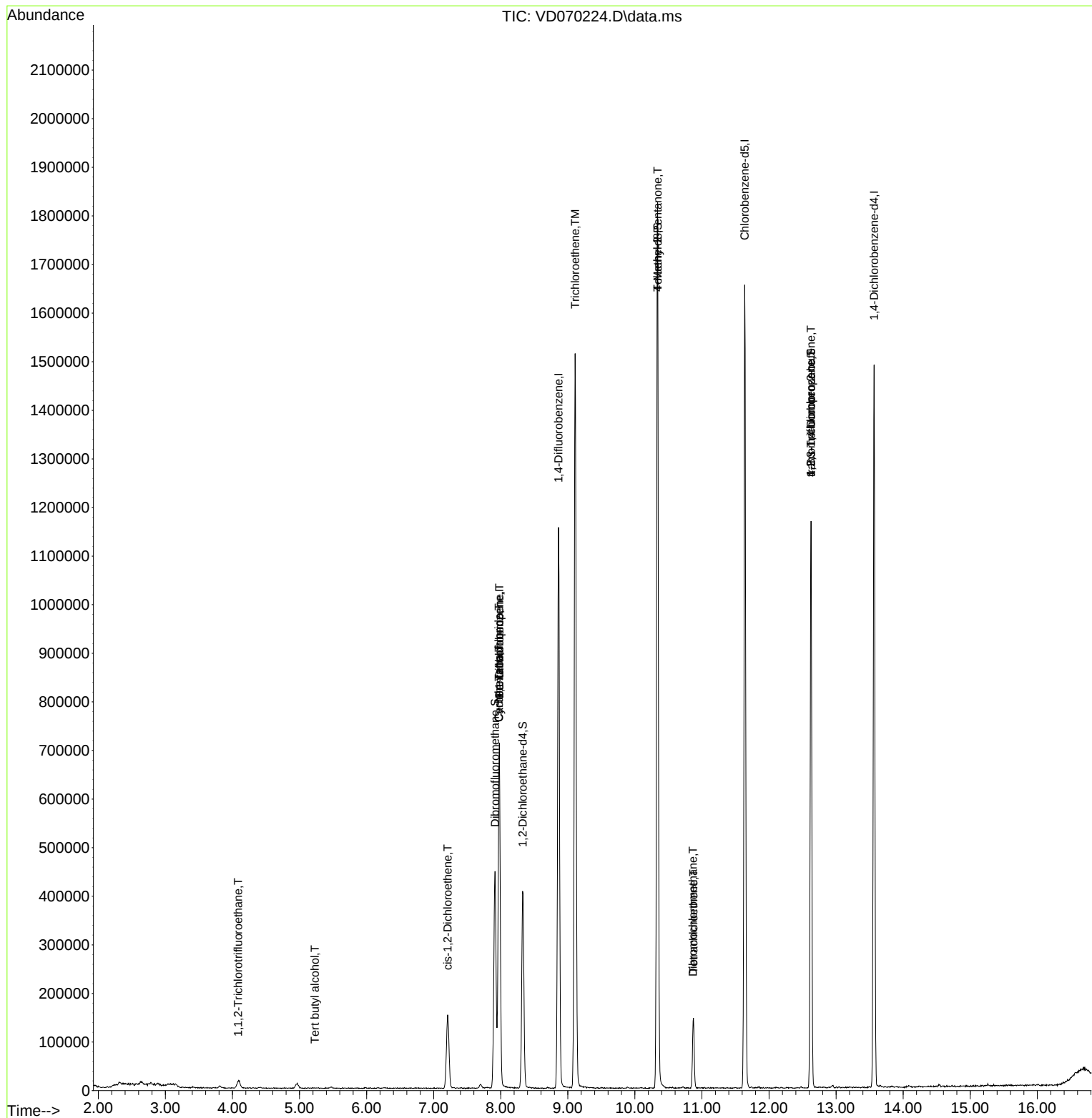
Internal Standards						
1) Pentafluorobenzene	7.979	168	483880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	978262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	948475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	381232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	317594	55.805	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.600%
35) Dibromofluoromethane	7.914	113	326948	51.731	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.460%
50) Toluene-d8	10.338	98	1266336	51.514	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.020%
62) 4-Bromofluorobenzene	12.626	95	395849	48.890	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.780%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	227	Below Cal	#	42
3) Chloromethane	2.203	50	898	Below Cal		97
5) Bromomethane	2.773	94	1992	Below Cal		83
9) 1,1,2-Trichlorotrifluo...	4.085	101	10906	1.743	ug/l	93
11) Tert butyl alcohol	5.226	59	555	1.764	ug/l	100
20) Methylene Chloride	4.962	84	7517	Below Cal	#	88
27) cis-1,2-Dichloroethene	7.208	96	98780	13.930	ug/l	85
31) Cyclohexane	7.973	56	12201	1.083	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	45804	4.352	ug/l #	49
38) Carbon Tetrachloride	7.973	117	51390	5.379	ug/l #	15
44) Trichloroethene	9.108	130	545780	74.015	ug/l	99
51) 4-Methyl-2-Pentanone	10.338	43	5509	1.485	ug/l #	1
60) Dibromochloromethane	10.867	129	32890	5.262	ug/l #	10
64) Tetrachloroethene	10.873	164	32450	5.303	ug/l	88
76) 1,2,3-Trichloropropane	12.626	75	199077	51.491	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	199077	133.653	ug/l #	18

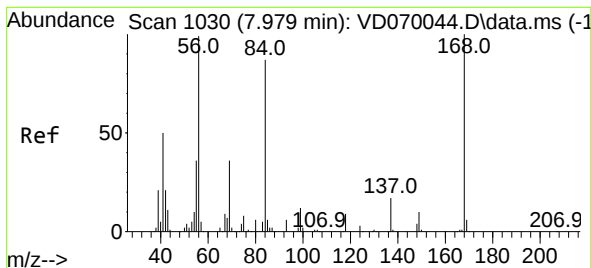
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070224.D

Acq: 23 Aug 2021 16:21

Tgt Ion:168 Resp: 483880

Ion Ratio Lower Upper

168 100

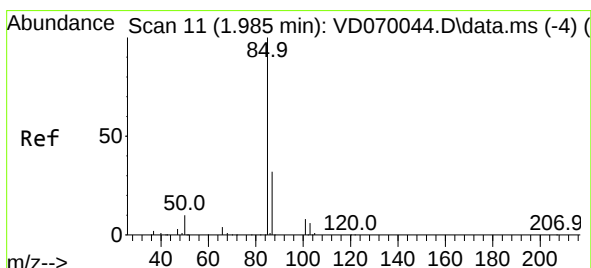
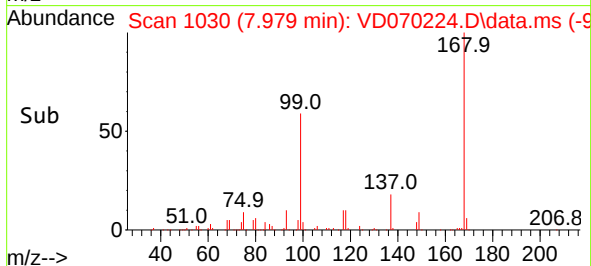
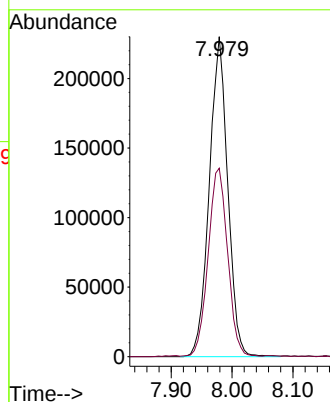
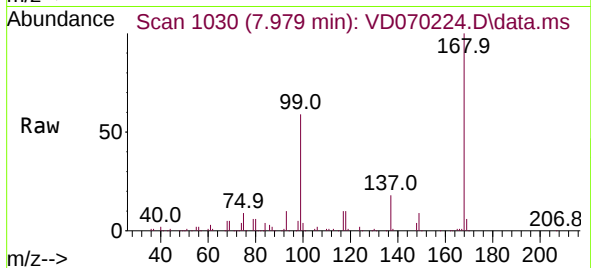
99 58.7 50.3 75.5

Instrument :

MSVOA_D

ClientSampleId :

SWCS-27-0204



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.997 min Scan# 13

Delta R.T. 0.012 min

Lab File: VD070224.D

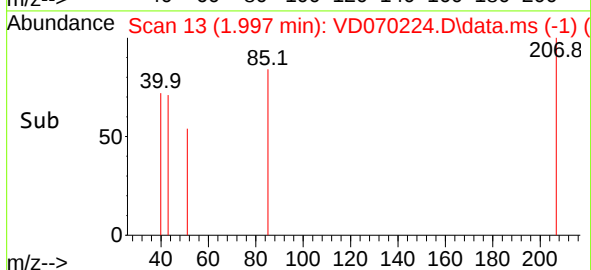
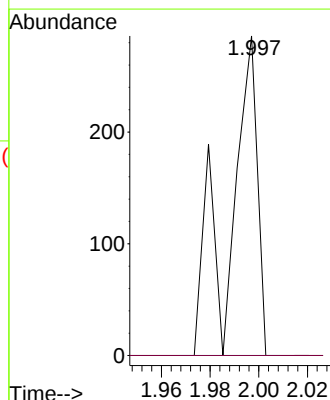
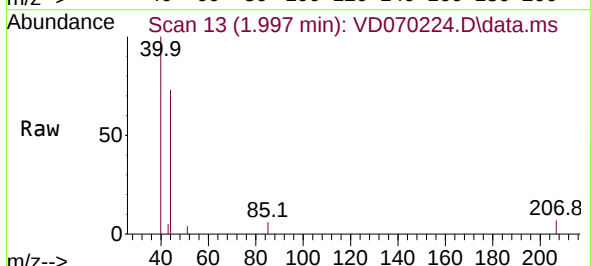
Acq: 23 Aug 2021 16:21

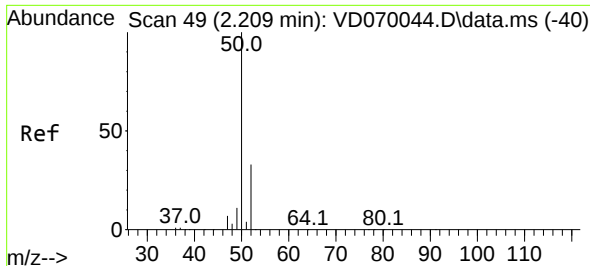
Tgt Ion: 85 Resp: 227

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

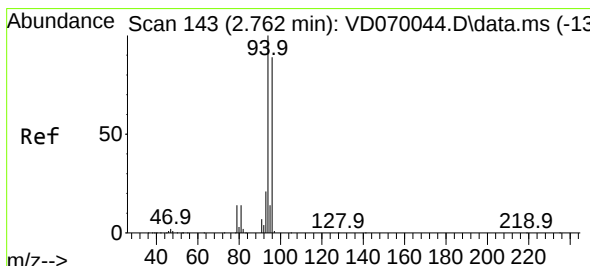
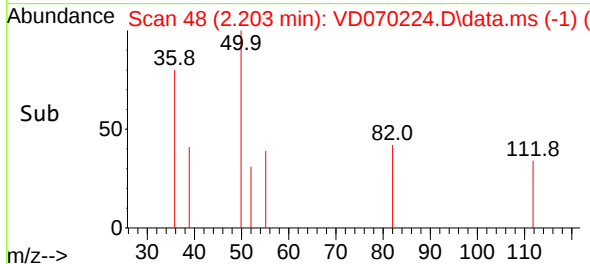
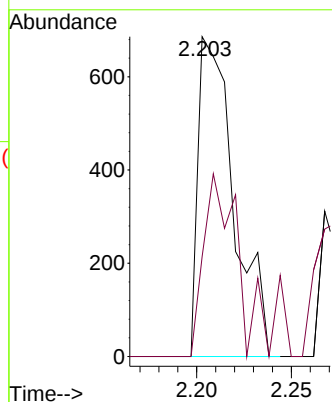
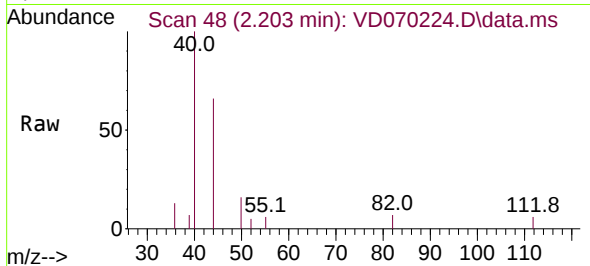




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

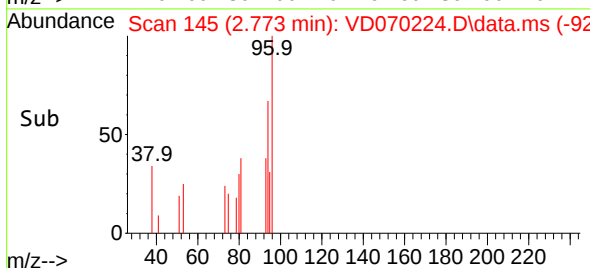
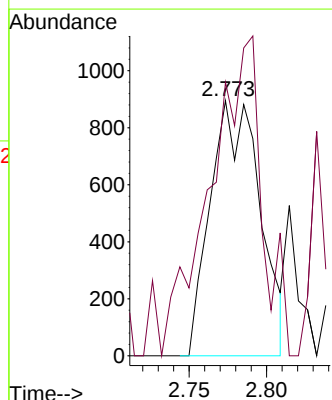
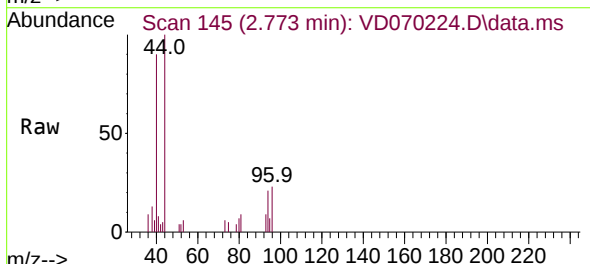
Instrument :
MSVOA_D
ClientSampleId :
SWCS-27-0204

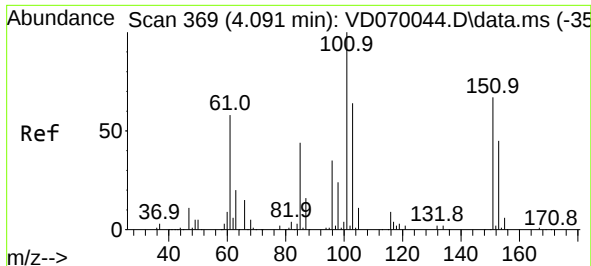
Tgt Ion: 50 Resp: 898
Ion Ratio Lower Upper
50 100
52 31.2 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Tgt Ion: 94 Resp: 1992
Ion Ratio Lower Upper
94 100
96 72.4 70.9 106.3

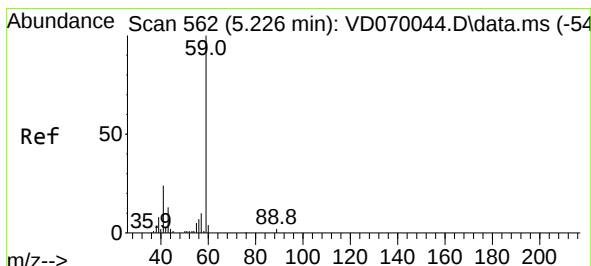
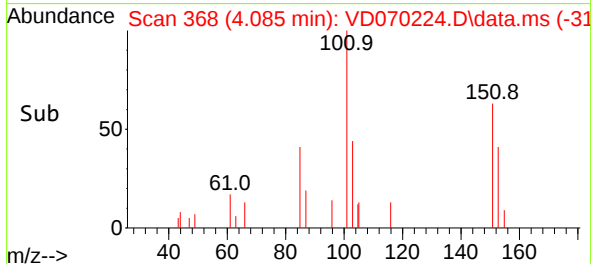
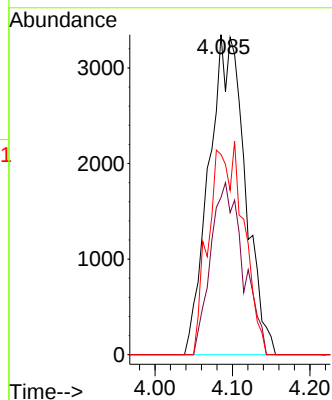
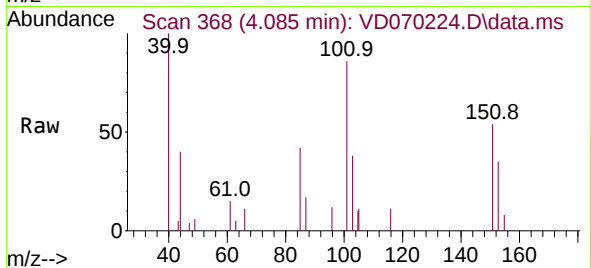




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.743 ug/l
RT: 4.085 min Scan# 368
Delta R.T. -0.006 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

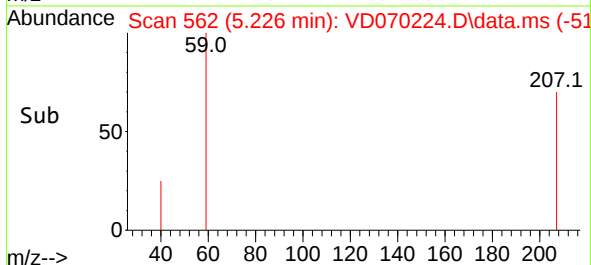
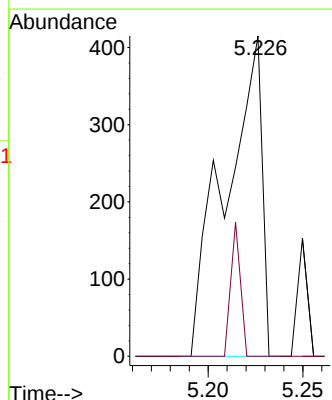
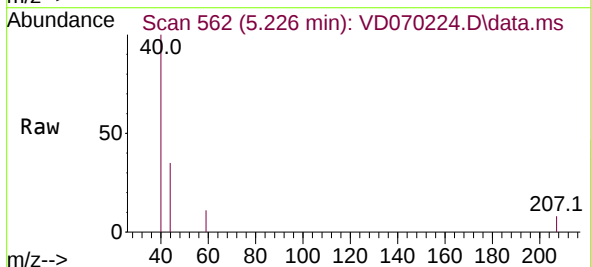
Instrument :
MSVOA_D
ClientSampleId :
SWCS-27-0204

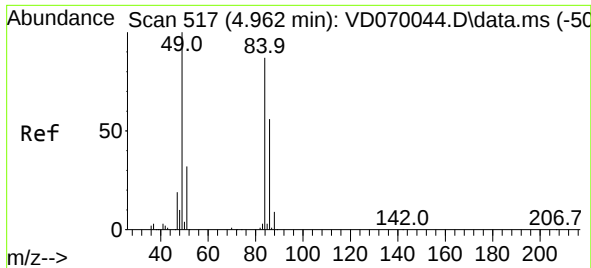
Tgt Ion:101 Resp: 10906
Ion Ratio Lower Upper
101 100
85 48.3 34.6 52.0
151 63.2 55.0 82.6



#11
Tert butyl alcohol
Concen: 1.764 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

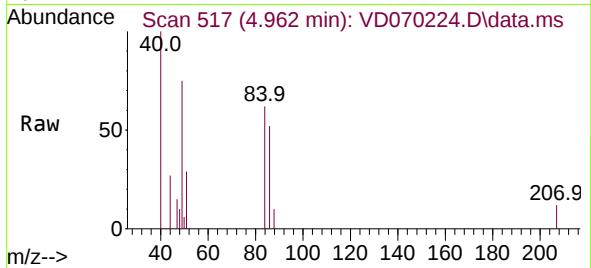
Tgt Ion: 59 Resp: 555
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2



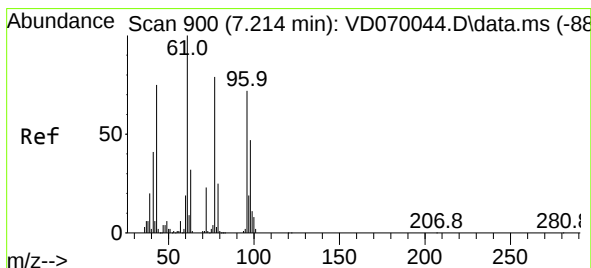
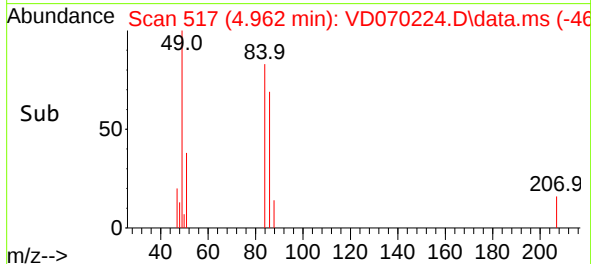
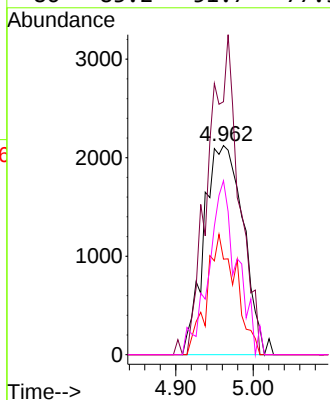


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Instrument :
MSVOA_D
ClientSampleId :
SWCS-27-0204

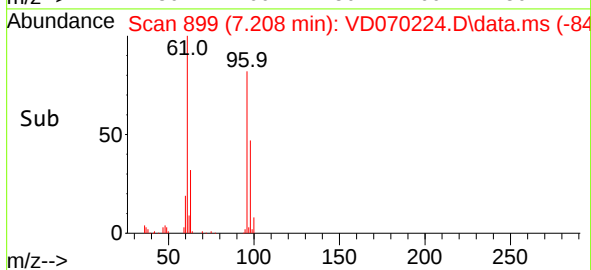
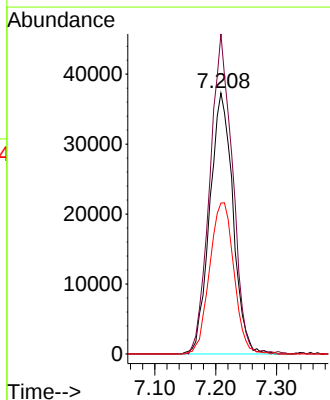
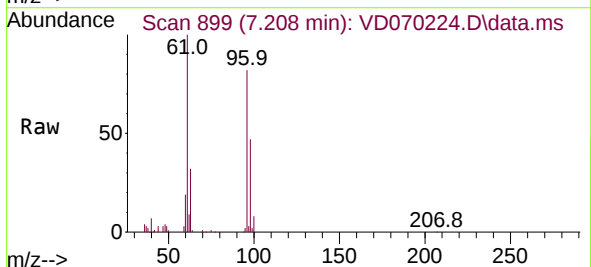


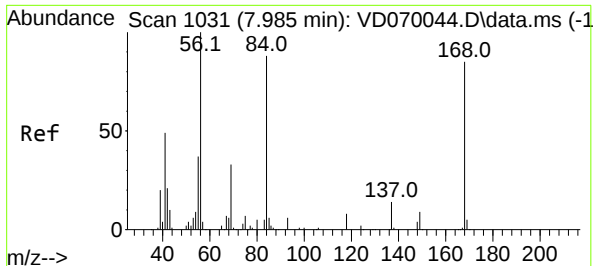
Tgt Ion:	84	Resp:	7517
Ion	Ratio	Lower	Upper
84	100		
49	121.0	92.5	138.7
51	45.7	29.7	44.5#
86	83.2	51.7	77.5#



#27
cis-1,2-Dichloroethene
Concen: 13.930 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Tgt Ion:	96	Resp:	98780
Ion	Ratio	Lower	Upper
96	100		
61	120.0	0.0	288.2
98	60.7	0.0	129.6

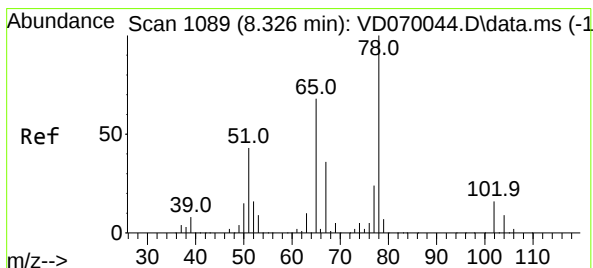
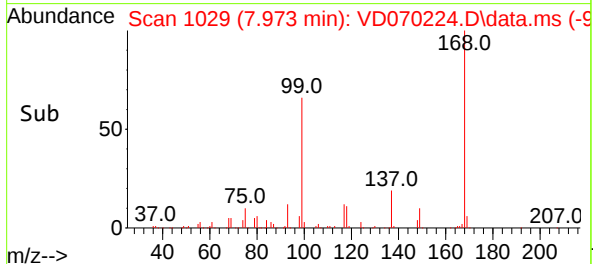
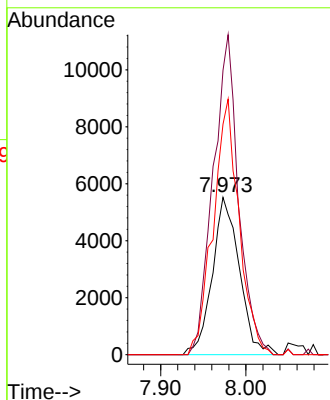
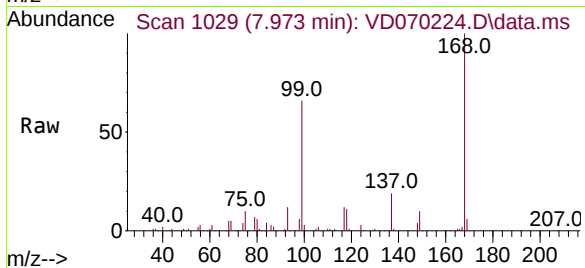




#31
Cyclohexane
Concen: 1.083 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

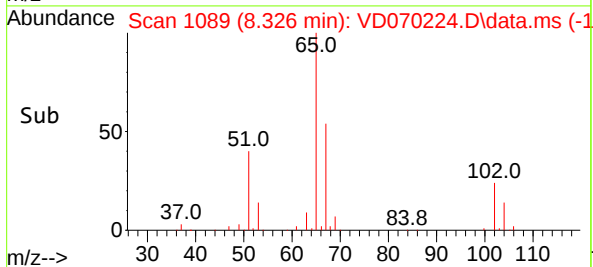
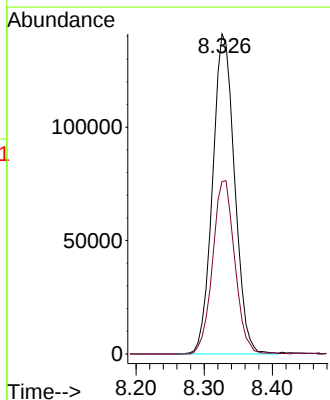
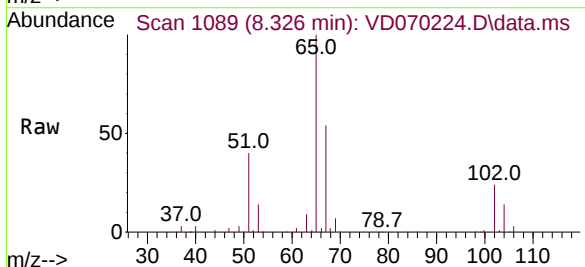
Instrument :
MSVOA_D
ClientSampleId :
SWCS-27-0204

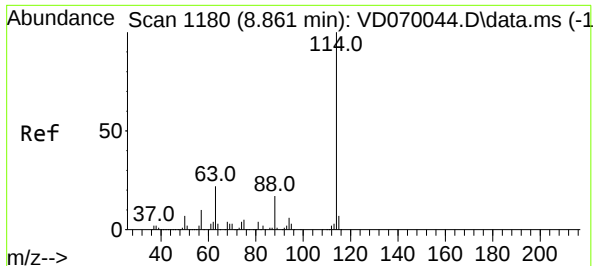
Tgt Ion: 56 Resp: 12201
Ion Ratio Lower Upper
56 100
69 180.7 26.7 40.1#
84 146.4 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 55.805 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Tgt Ion: 65 Resp: 317594
Ion Ratio Lower Upper
65 100
67 54.5 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070224.D

Acq: 23 Aug 2021 16:21

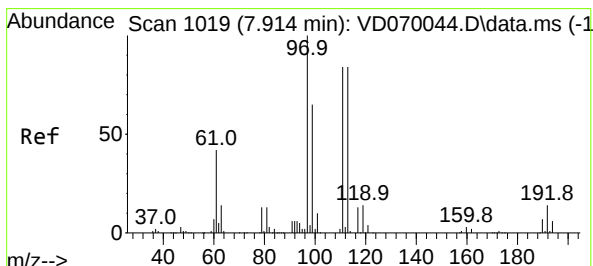
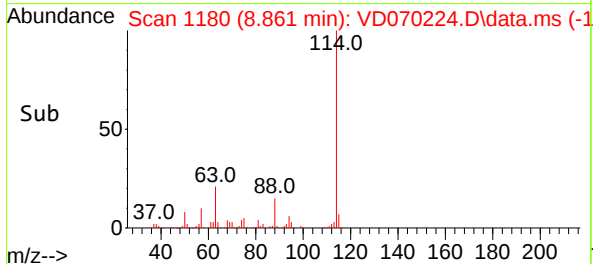
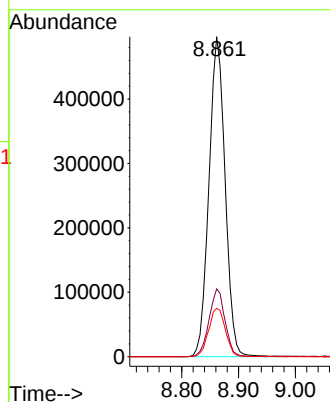
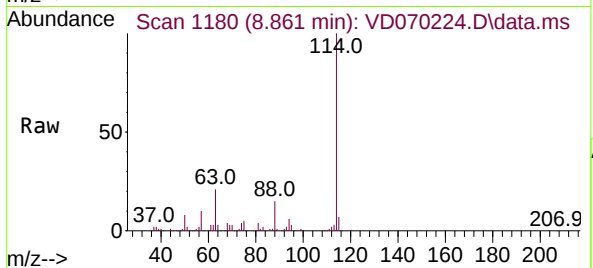
Instrument :

MSVOA_D

ClientSampleId :

SWCS-27-0204

Tgt Ion:	114	Resp:	978262
Ion Ratio	Lower	Upper	
114	100		
63	21.2	0.0	43.6
88	15.1	0.0	33.4



#35

Dibromofluoromethane

Concen: 51.731 ug/l

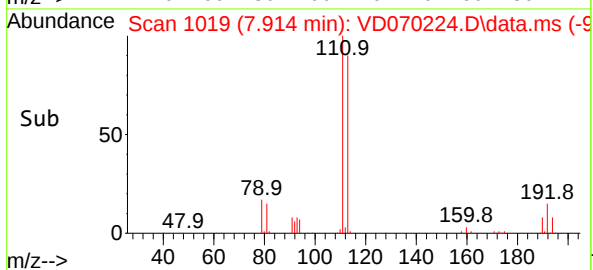
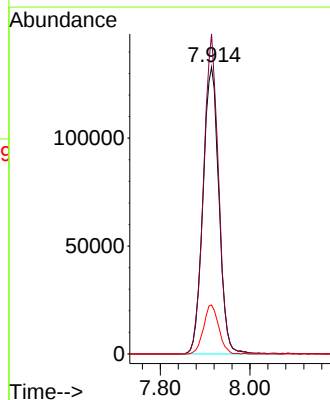
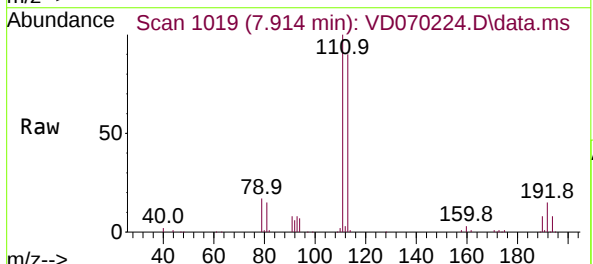
RT: 7.914 min Scan# 1019

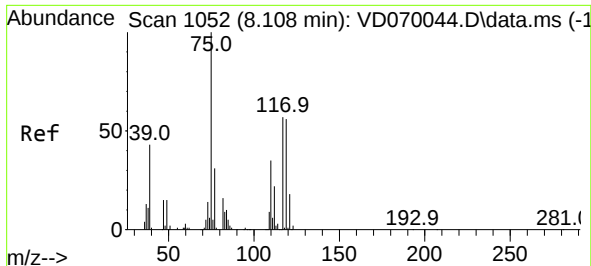
Delta R.T. 0.000 min

Lab File: VD070224.D

Acq: 23 Aug 2021 16:21

Tgt Ion:	113	Resp:	326948
Ion Ratio	Lower	Upper	
113	100		
111	104.9	81.8	122.6
192	16.3	13.2	19.8

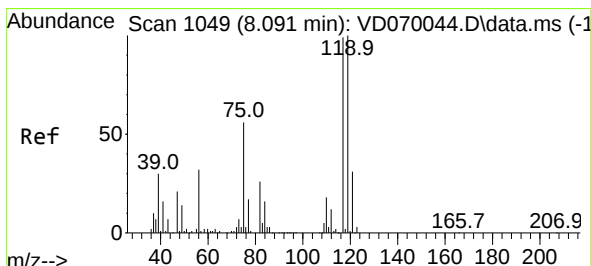
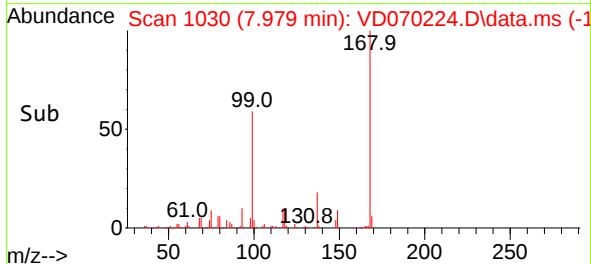
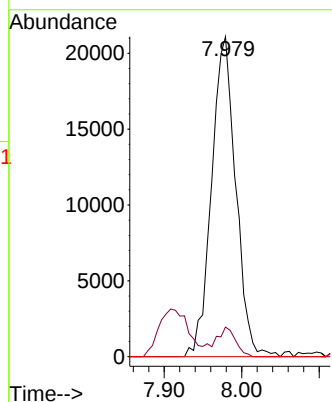
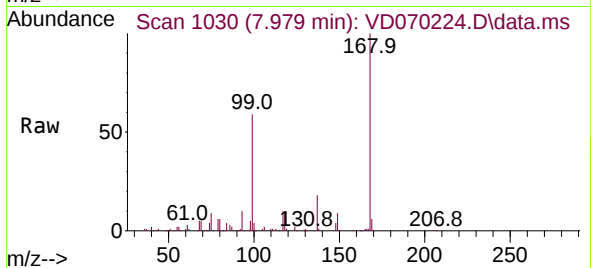




#36
1,1-Dichloropropene
Concen: 4.352 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

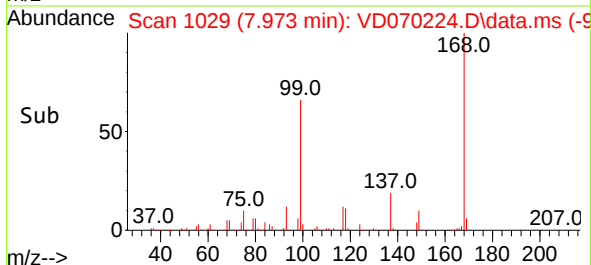
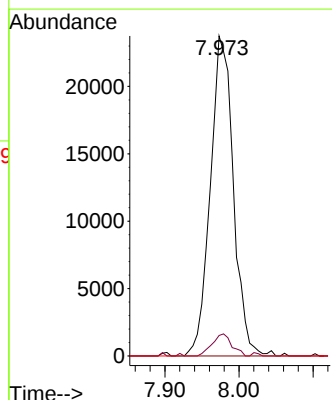
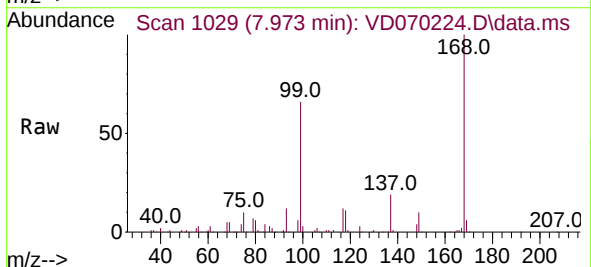
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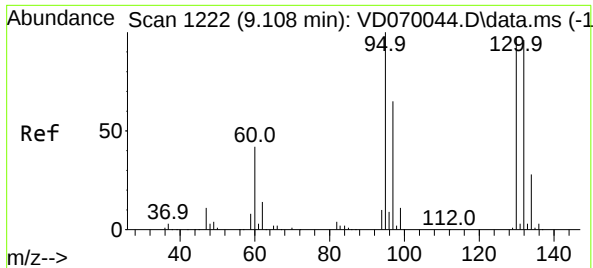
Tgt Ion: 75 Resp: 45804
Ion Ratio Lower Upper
75 100
110 7.8 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.379 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Tgt Ion: 117 Resp: 51390
Ion Ratio Lower Upper
117 100
119 6.4 81.0 121.6#
121 0.0 25.0 37.6#

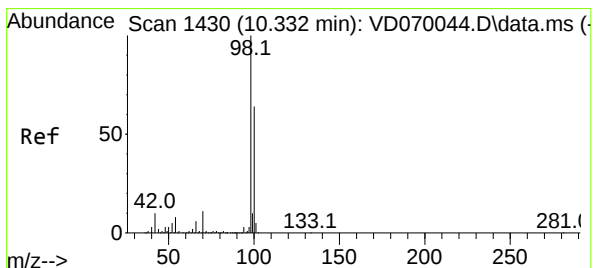
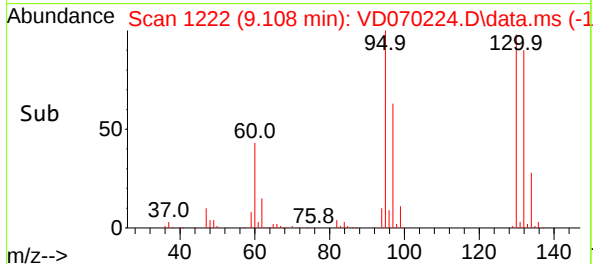
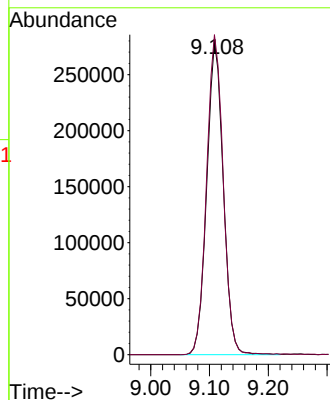
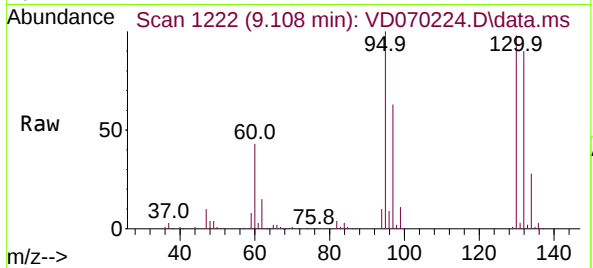




#44
Trichloroethene
Concen: 74.015 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

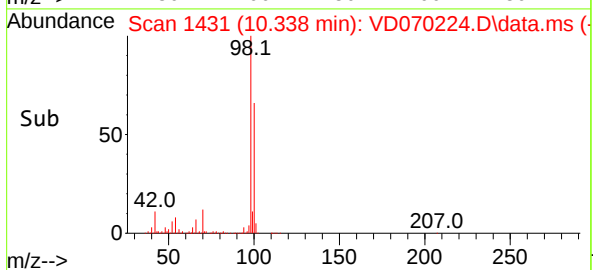
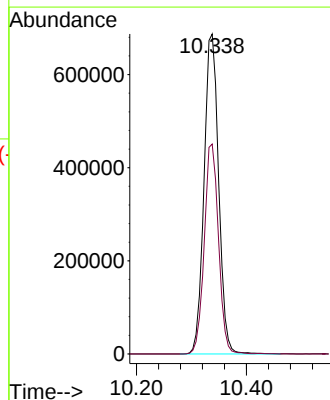
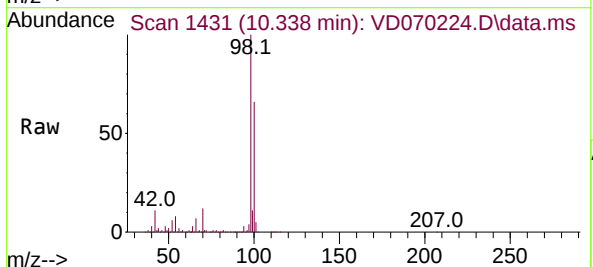
Instrument :
MSVOA_D
ClientSampleId :
SWCS-27-0204

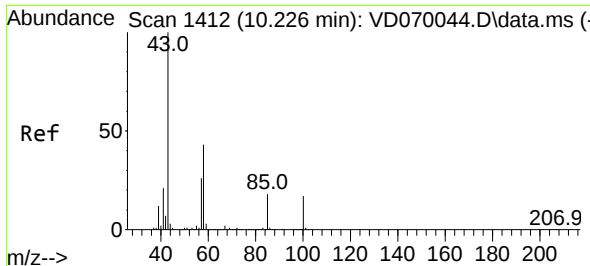
Tgt Ion:130 Resp: 545780
Ion Ratio Lower Upper
130 100
95 102.2 0.0 206.4



#50
Toluene-d8
Concen: 51.514 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Tgt Ion: 98 Resp: 1266336
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8

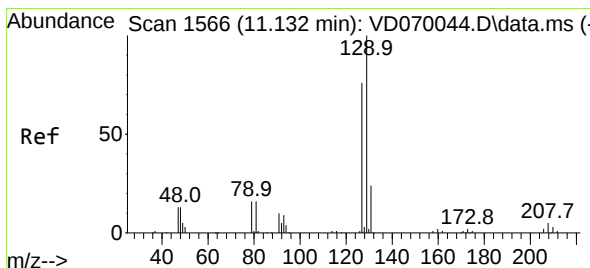
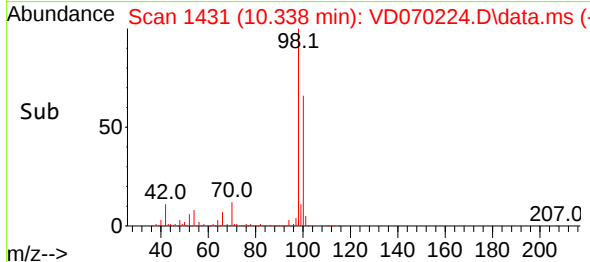
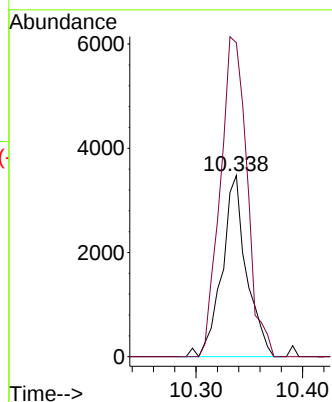
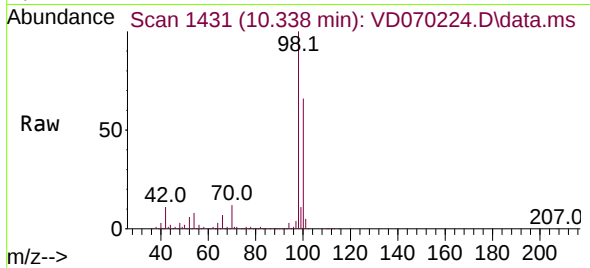




#51
4-Methyl-2-Pentanone
Concen: 1.485 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

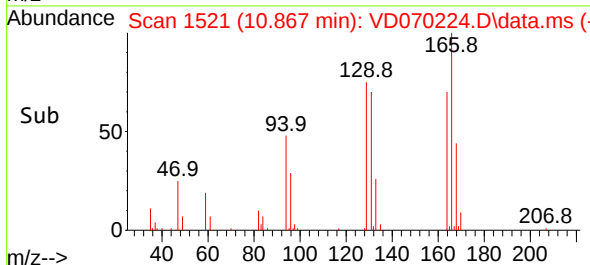
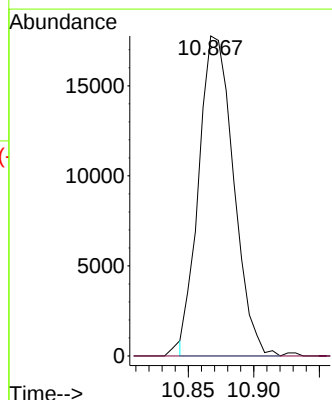
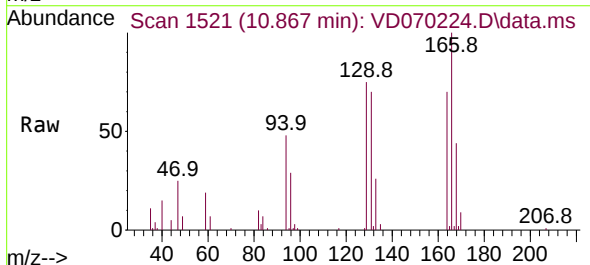
Instrument :
MSVOA_D
ClientSampleId :
SWCS-27-0204

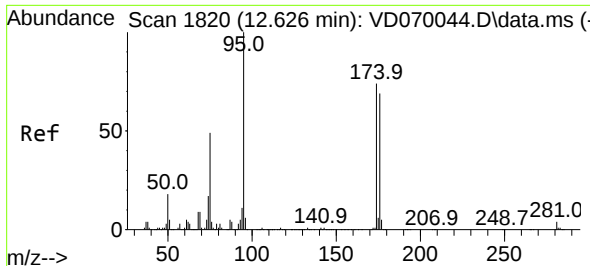
Tgt Ion: 43 Resp: 5509
Ion Ratio Lower Upper
43 100
58 195.0 33.9 50.9#



#60
Dibromochloromethane
Concen: 5.262 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.265 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Tgt Ion: 129 Resp: 32890
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#

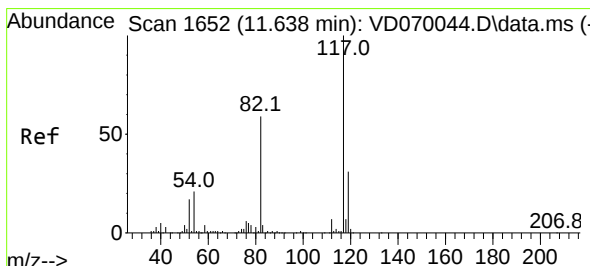
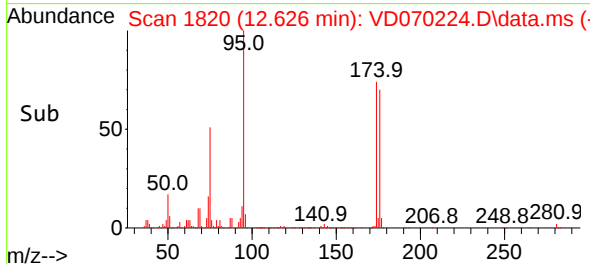
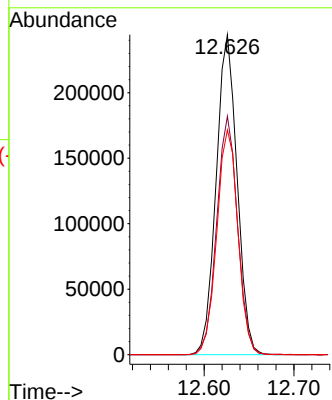
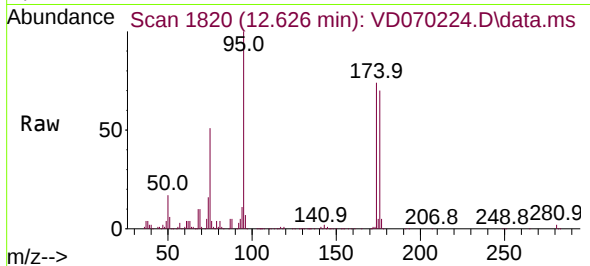




#62
4-Bromofluorobenzene
Concen: 48.890 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

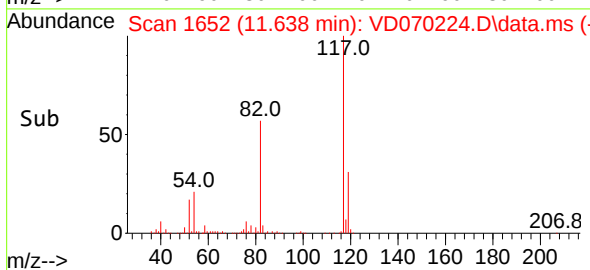
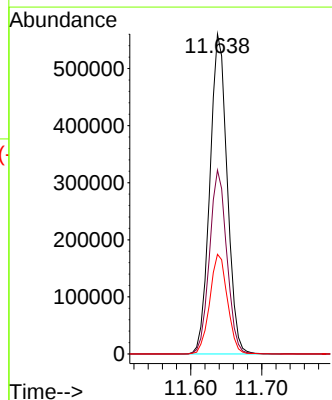
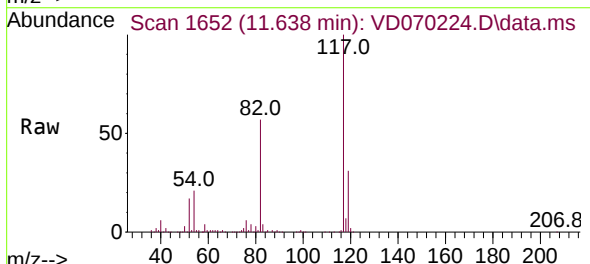
Instrument :
MSVOA_D
ClientSampleId :
SWCS-27-0204

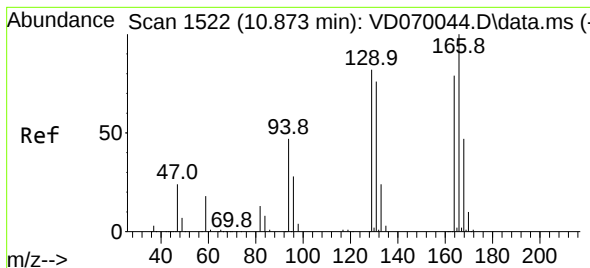
Tgt Ion: 95 Resp: 395849
Ion Ratio Lower Upper
95 100
174 74.1 0.0 141.6
176 70.8 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Tgt Ion: 117 Resp: 948475
Ion Ratio Lower Upper
117 100
82 57.5 47.5 71.3
119 31.1 25.1 37.7





#64

Tetrachloroethene

Concen: 5.303 ug/l

RT: 10.873 min Scan# 1522

Delta R.T. 0.000 min

Lab File: VD070224.D

Acq: 23 Aug 2021 16:21

Instrument :

MSVOA_D

ClientSampleId :

SWCS-27-0204

Tgt Ion:164 Resp: 32450

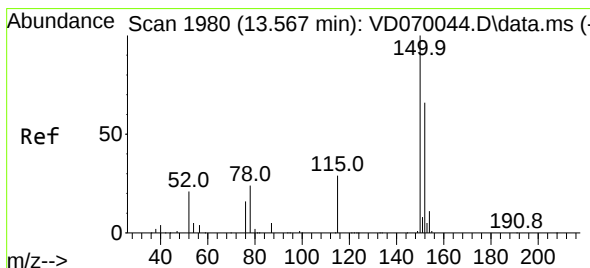
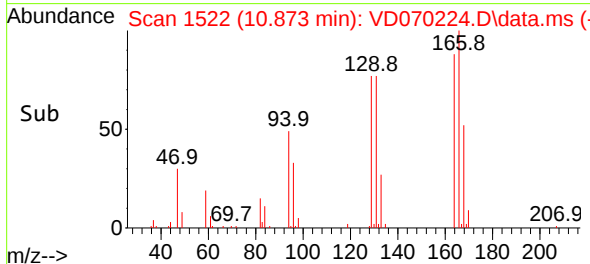
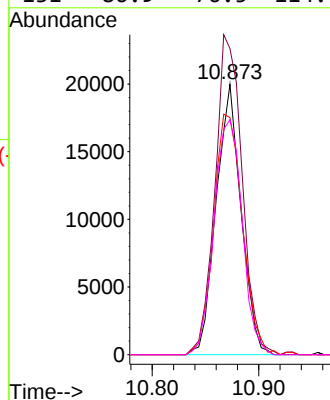
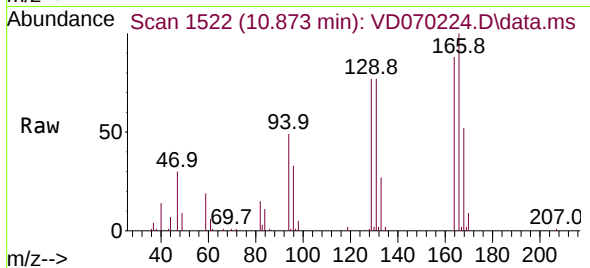
Ion Ratio Lower Upper

164 100

166 113.2 101.3 151.9

129 87.7 82.9 124.3

131 86.9 76.5 114.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.000 min

Lab File: VD070224.D

Acq: 23 Aug 2021 16:21

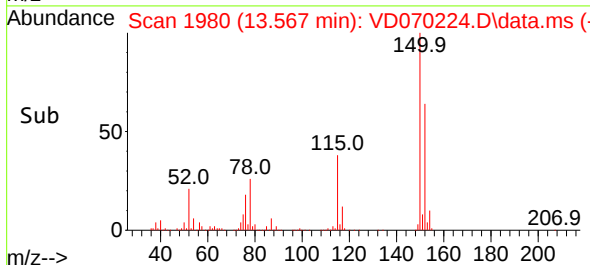
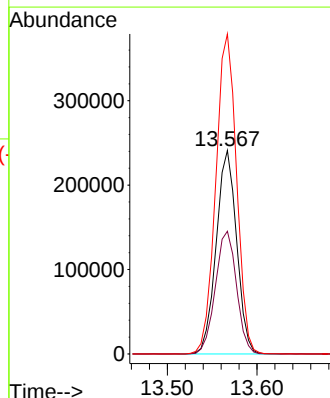
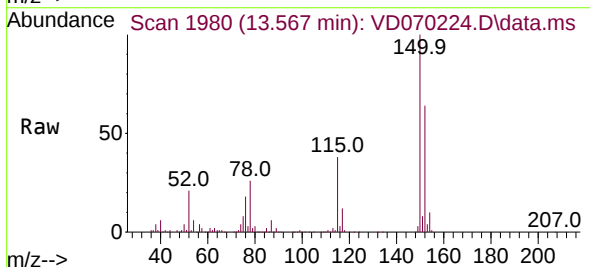
Tgt Ion:152 Resp: 381232

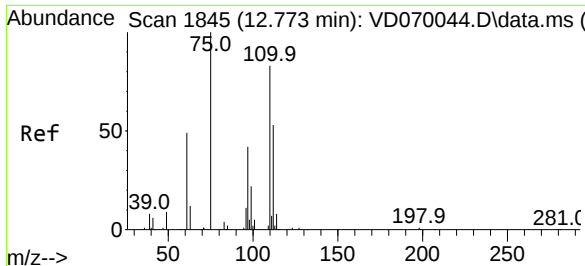
Ion Ratio Lower Upper

152 100

115 62.4 31.2 93.6

150 159.8 0.0 352.0

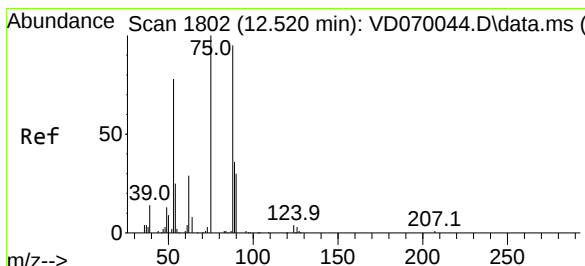
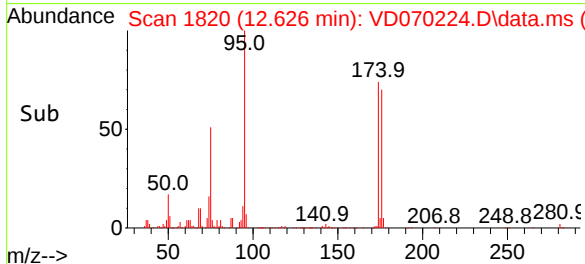
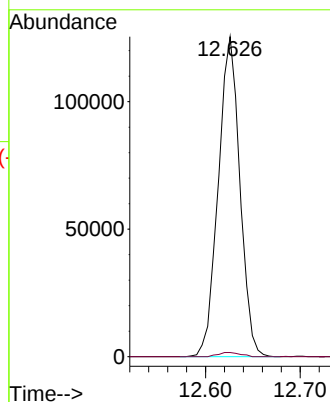
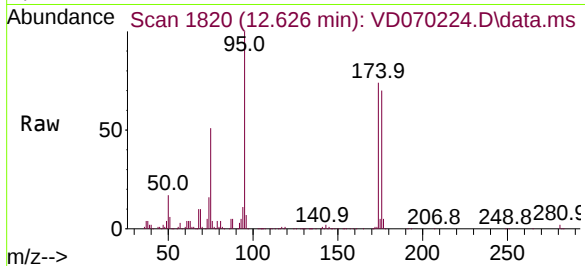




#76
1,2,3-Trichloropropane
Concen: 51.491 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Instrument :
MSVOA_D
ClientSampleId :
SWCS-27-0204

Tgt Ion: 75 Resp: 199077
Ion Ratio Lower Upper
75 100
77 1.4 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.653 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070224.D
Acq: 23 Aug 2021 16:21

Tgt Ion: 75 Resp: 199077
Ion Ratio Lower Upper
75 100
53 0.5 64.5 96.7#
89 0.0 33.7 50.5#

