

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070225.D
 Acq On : 23 Aug 2021 16:50
 Operator : VA/SY
 Sample : M3463-37
 Misc : 7.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 01:31:56 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)

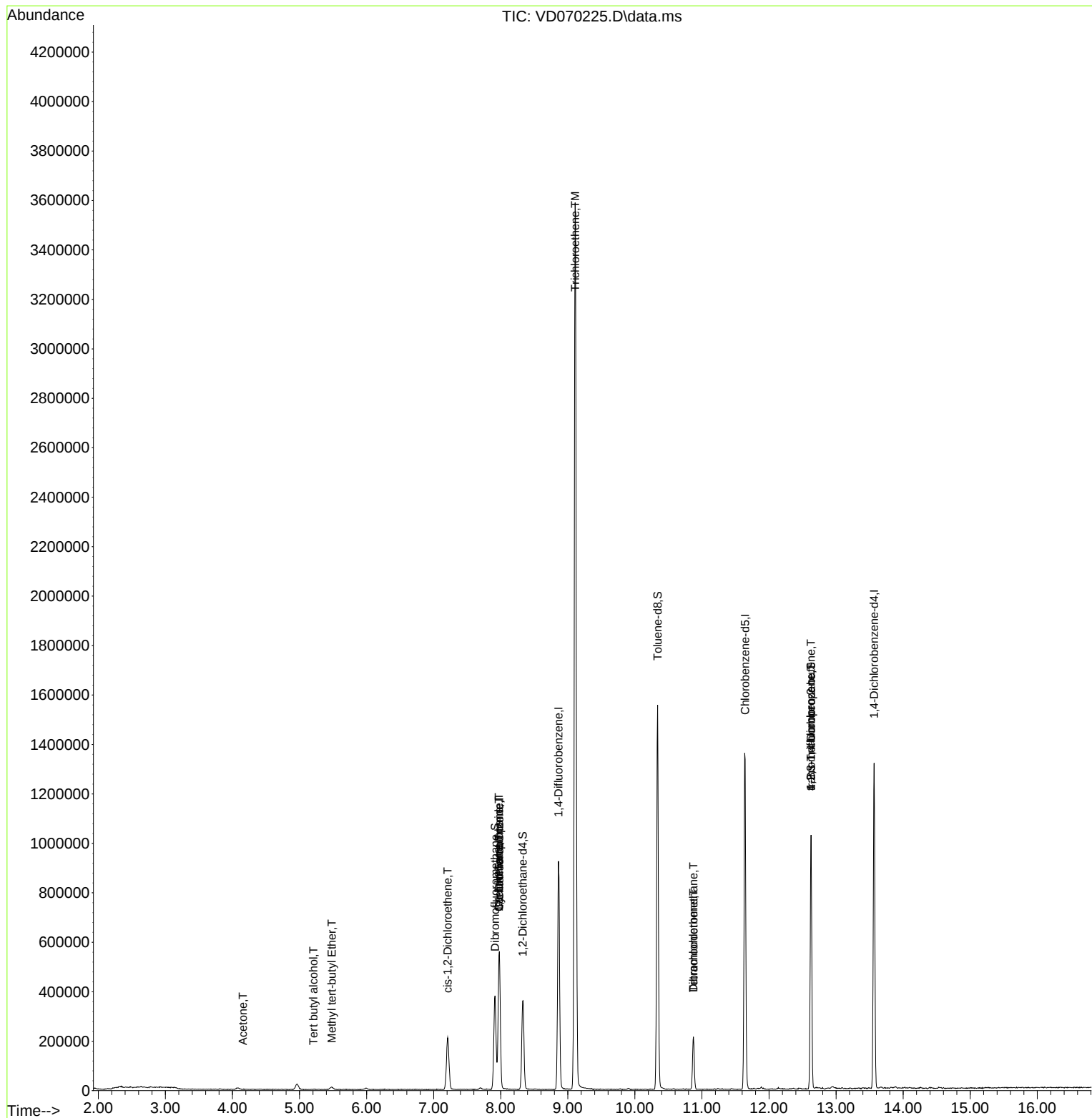
Internal Standards						
1) Pentafluorobenzene	7.979	168	391612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	781399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	802152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	344112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	291285	63.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.480%	
35) Dibromofluoromethane	7.914	113	280379	55.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.080%	
50) Toluene-d8	10.338	98	1049036	53.426	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	12.626	95	345319	53.394	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	272	Below Cal	#	42
3) Chloromethane	2.215	50	903	Below Cal		96
5) Bromomethane	2.773	94	2238	Below Cal	#	54
11) Tert butyl alcohol	5.209	59	835	3.280	ug/l #	71
16) Acetone	4.156	43	938	1.105	ug/l #	86
19) Methyl tert-butyl Ether	5.479	73	12648	1.310	ug/l	98
20) Methylene Chloride	4.962	84	18060	Below Cal		93
27) cis-1,2-Dichloroethene	7.209	96	131188	22.858	ug/l	90
31) Cyclohexane	7.973	56	9983	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	38809	4.617	ug/l #	48
38) Carbon Tetrachloride	7.973	117	44466	5.827	ug/l #	14
44) Trichloroethene	9.108	130	1301499	220.968	ug/l	97
60) Dibromochloromethane	10.873	129	48688	9.752	ug/l #	10
64) Tetrachloroethene	10.873	164	50431	9.745	ug/l	89
76) 1,2,3-Trichloropropane	12.626	75	170929	48.980	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	170929	127.134	ug/l #	18

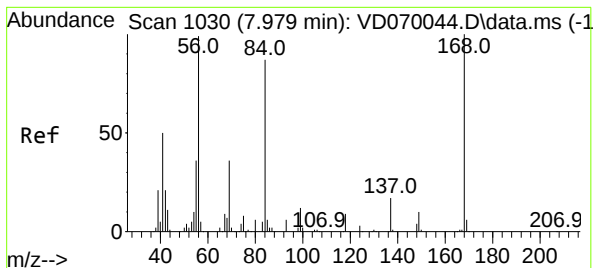
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070225.D

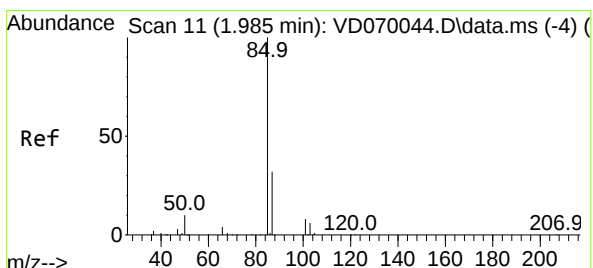
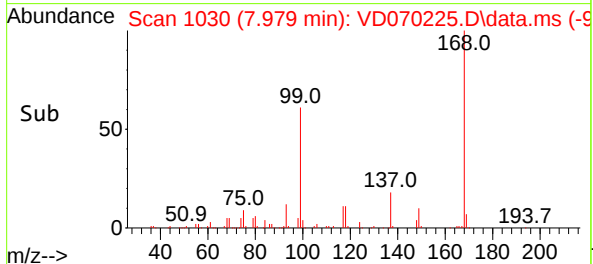
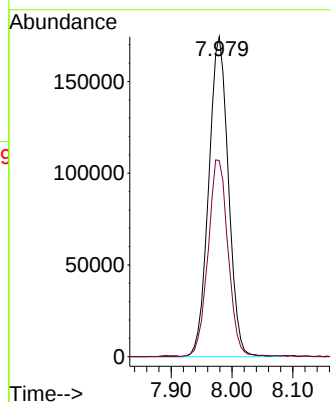
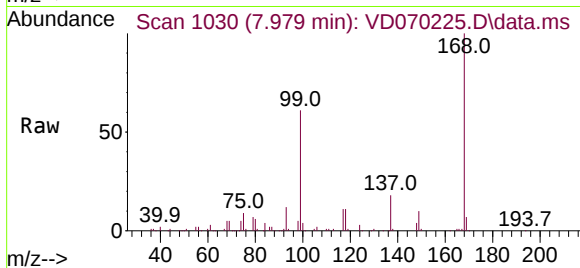
Acq: 23 Aug 2021 16:50

Tgt Ion:168 Resp: 391612

Ion Ratio Lower Upper

168 100

99 61.2 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070225.D

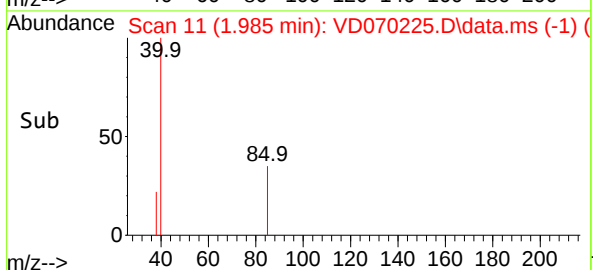
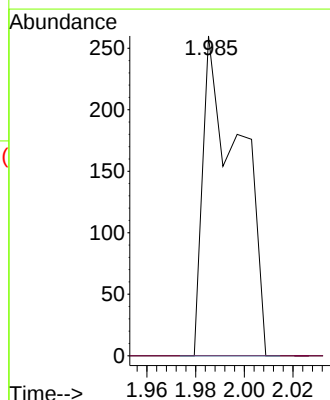
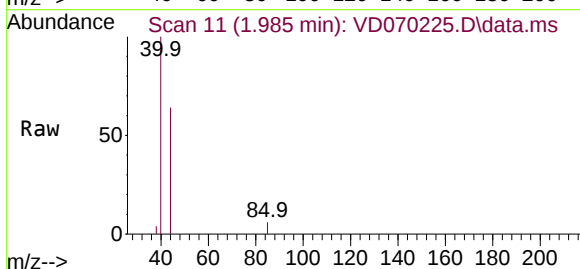
Acq: 23 Aug 2021 16:50

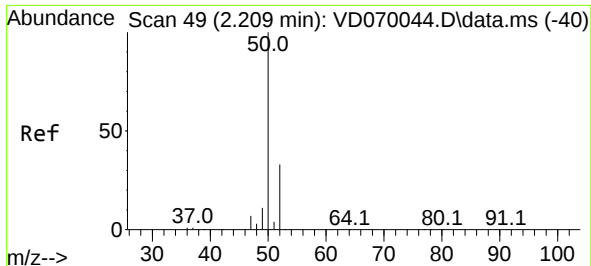
Tgt Ion: 85 Resp: 272

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

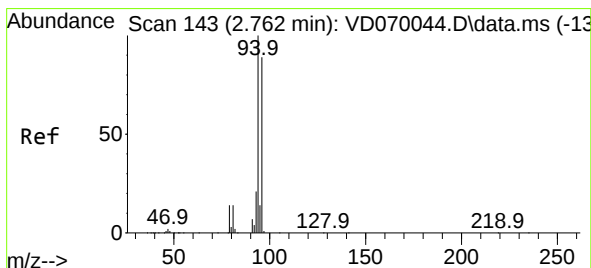
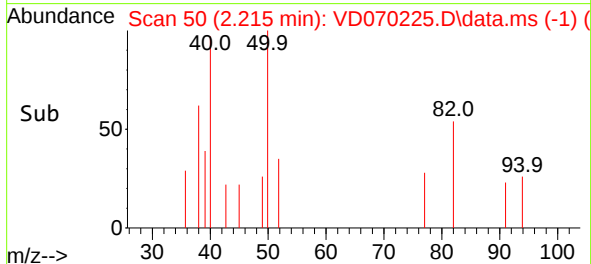
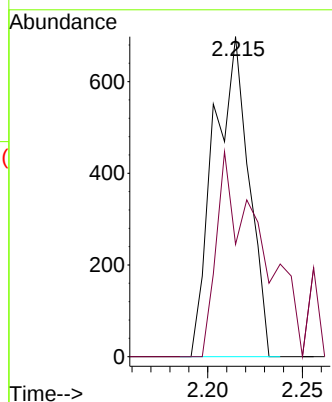
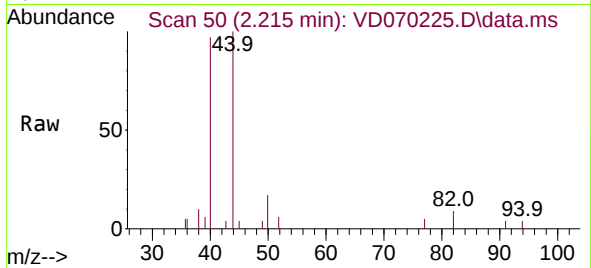




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

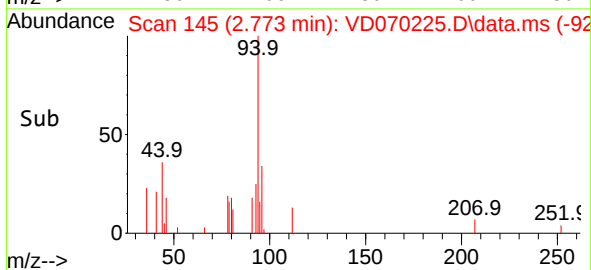
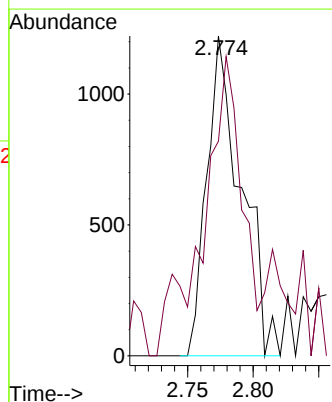
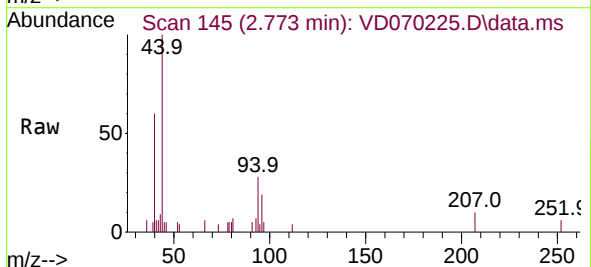
Instrument :
MSVOA_D
ClientSampleId :

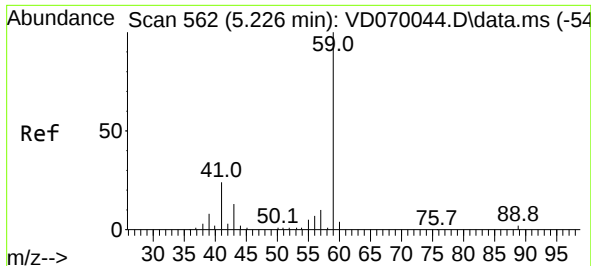
Tgt Ion: 50 Resp: 903
Ion Ratio Lower Upper
50 100
52 35.1 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

Tgt Ion: 94 Resp: 2238
Ion Ratio Lower Upper
94 100
96 45.3 70.9 106.3#



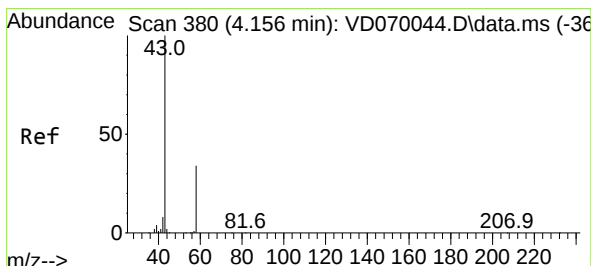
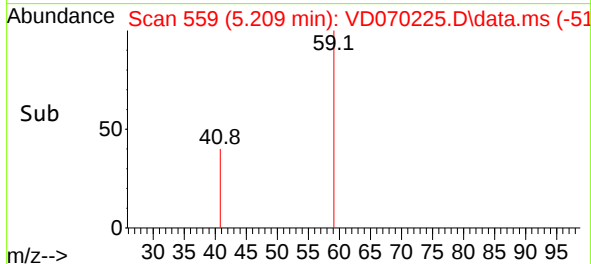
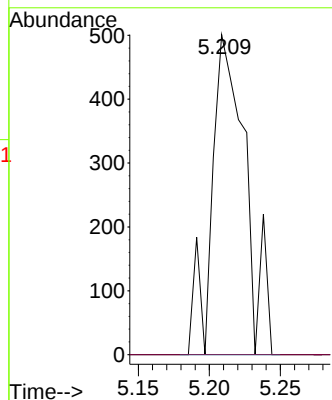
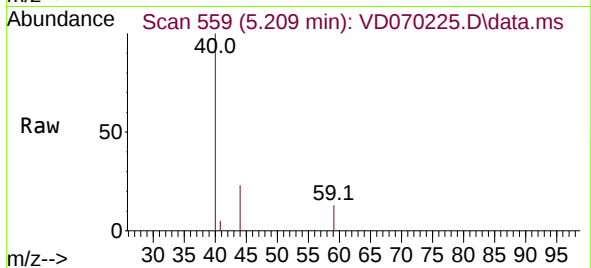


#11

Tert butyl alcohol
Concen: 3.280 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

Instrument :
MSVOA_D
ClientSampled :

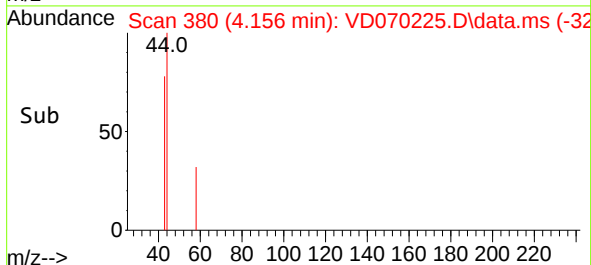
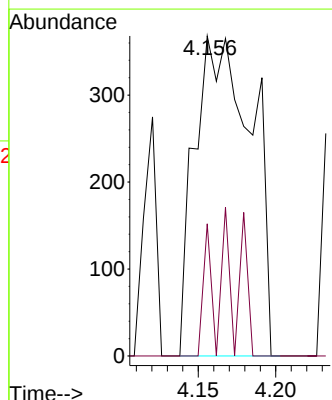
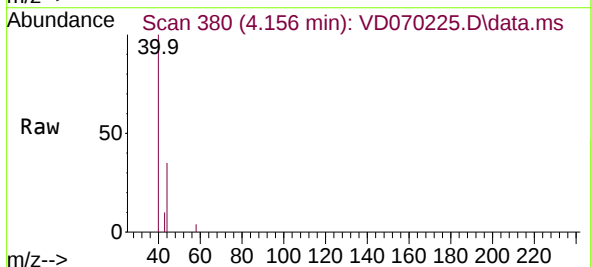
Tgt Ion: 59 Resp: 835
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

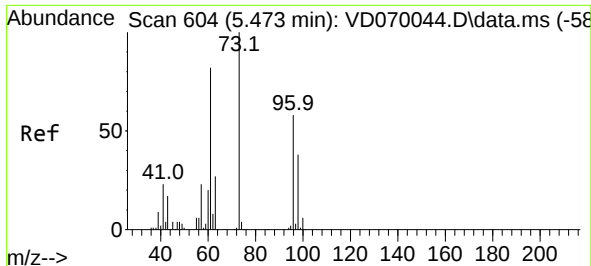


#16

Acetone
Concen: 1.105 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
58 41.3 26.8 40.2#

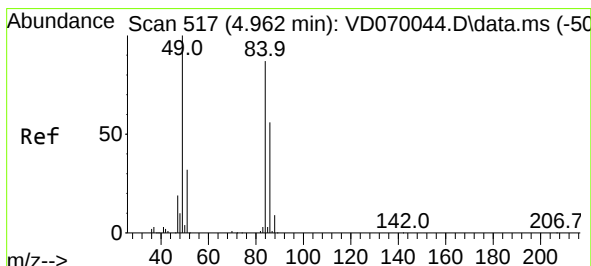
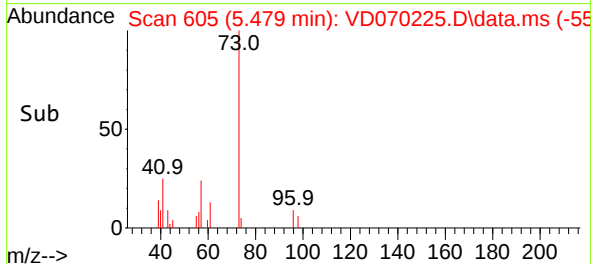
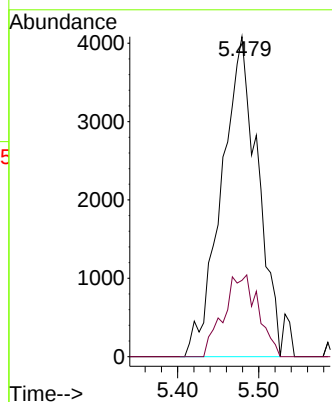
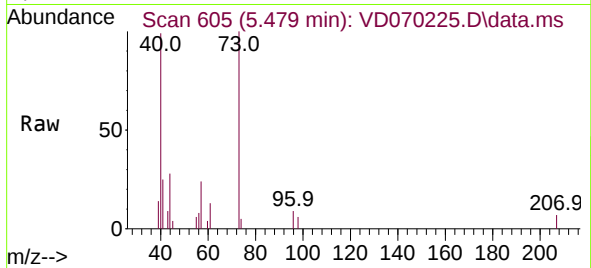




#19
Methyl tert-butyl Ether
Concen: 1.310 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

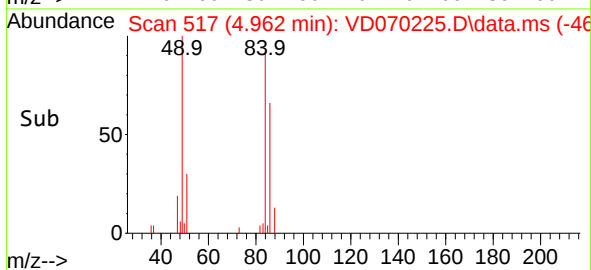
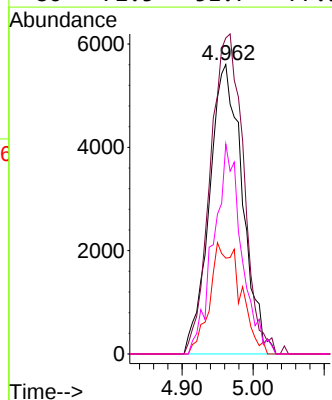
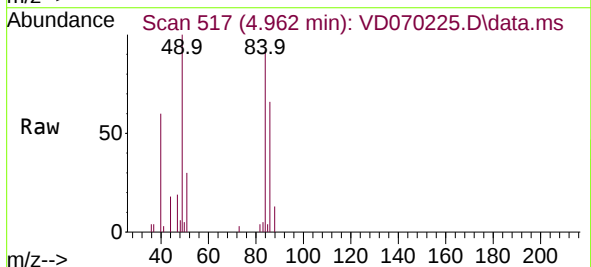
Instrument :
MSVOA_D
ClientSampleId :

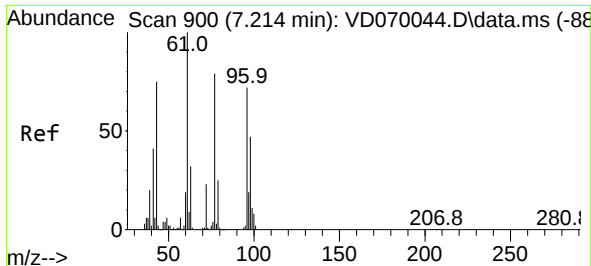
Tgt Ion: 73 Resp: 12648
Ion Ratio Lower Upper
73 100
57 23.9 18.2 27.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

Tgt Ion: 84 Resp: 18060
Ion Ratio Lower Upper
84 100
49 109.2 92.5 138.7
51 33.1 29.7 44.5
86 72.5 51.7 77.5





#27

cis-1,2-Dichloroethene

Concen: 22.858 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.006 min

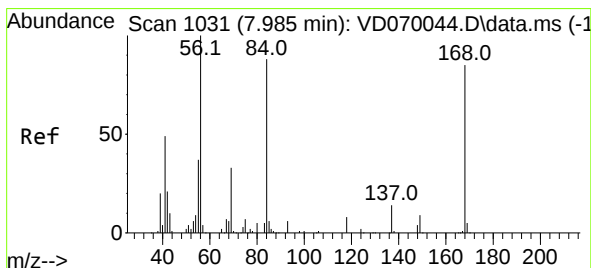
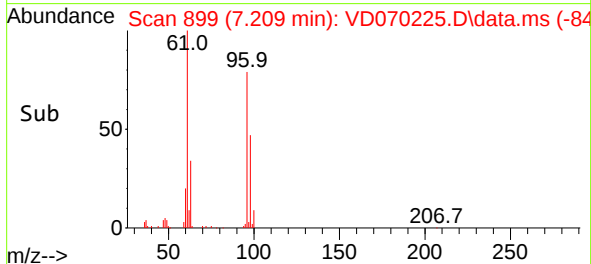
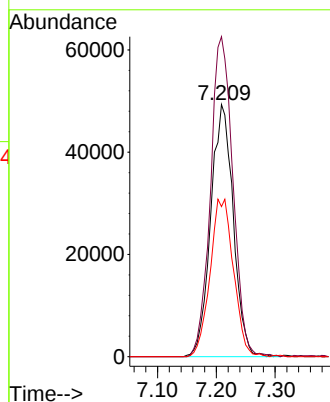
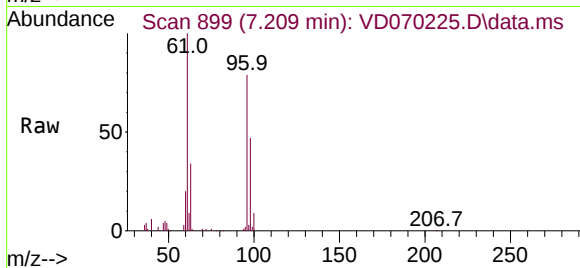
Lab File: VD070225.D

Acq: 23 Aug 2021 16:50

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 96 Resp: 131188

Ion	Ratio	Lower	Upper
96	100		
61	126.5	0.0	288.2
98	65.1	0.0	129.6



#31

Cyclohexane

Concen: 1.095 ug/l

RT: 7.973 min Scan# 1029

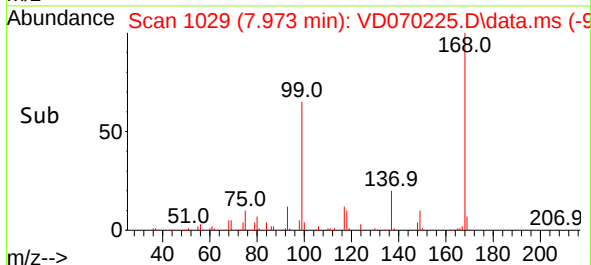
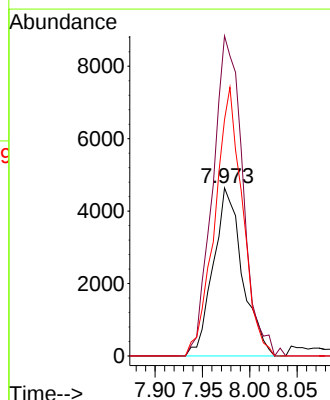
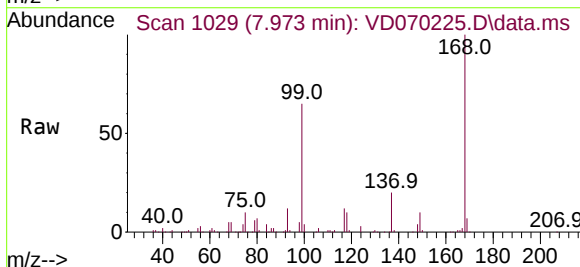
Delta R.T. -0.012 min

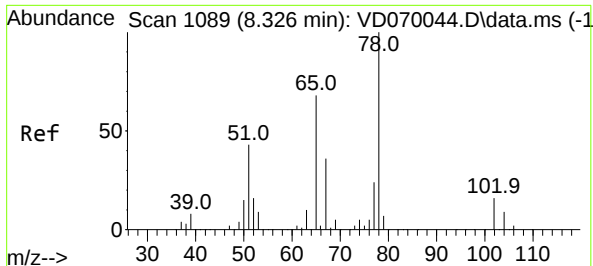
Lab File: VD070225.D

Acq: 23 Aug 2021 16:50

Tgt Ion: 56 Resp: 9983

Ion	Ratio	Lower	Upper
56	100		
69	190.5	26.7	40.1#
84	140.7	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 63.241 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070225.D

Acq: 23 Aug 2021 16:50

Tgt Ion: 65 Resp: 291285

Ion Ratio Lower Upper

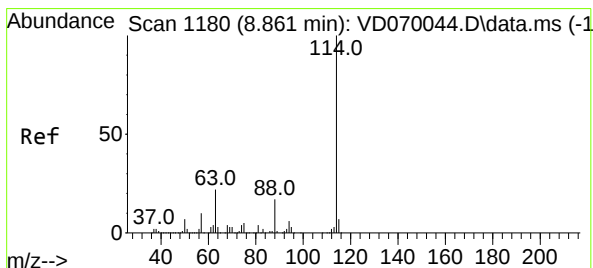
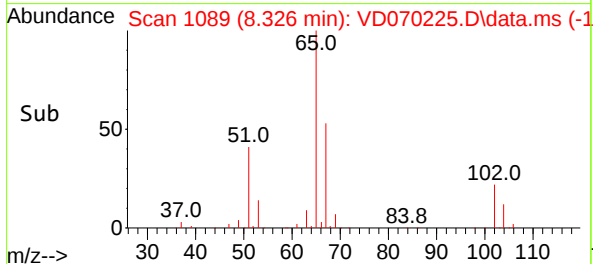
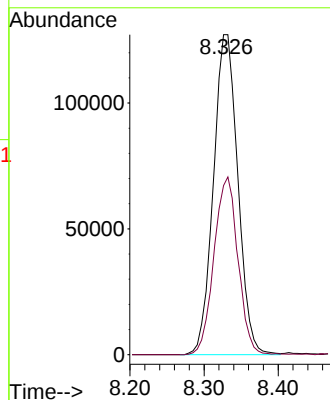
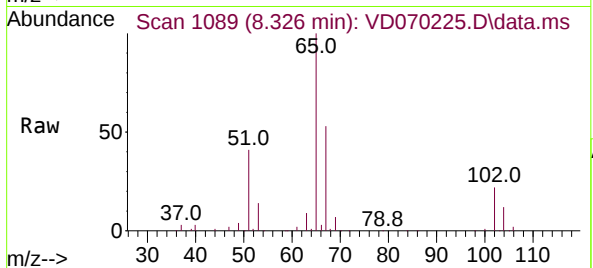
65 100

67 54.6 0.0 107.8

Instrument :

MSVOA_D

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070225.D

Acq: 23 Aug 2021 16:50

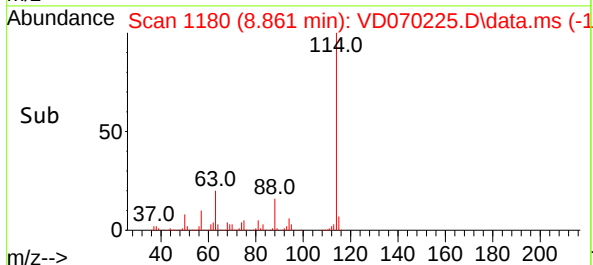
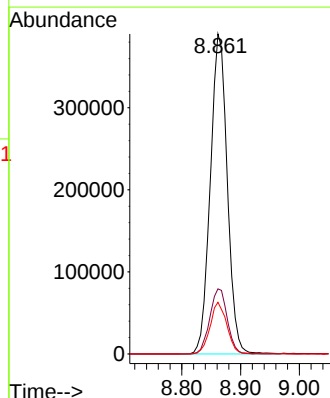
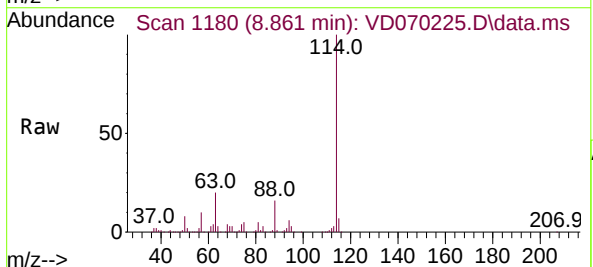
Tgt Ion:114 Resp: 781399

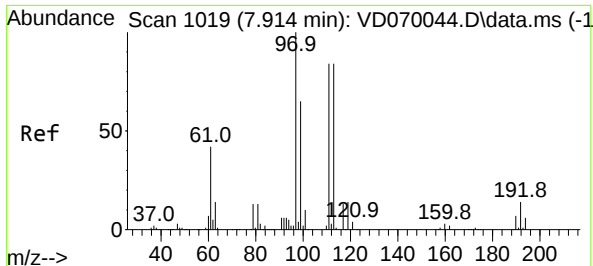
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.6

88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 55.539 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070225.D

Acq: 23 Aug 2021 16:50

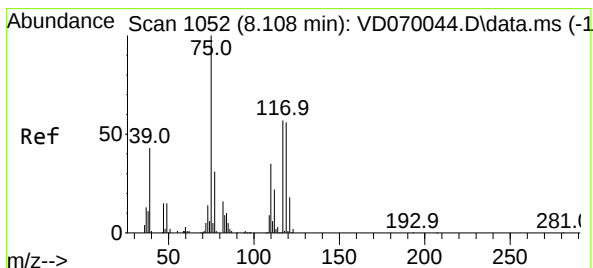
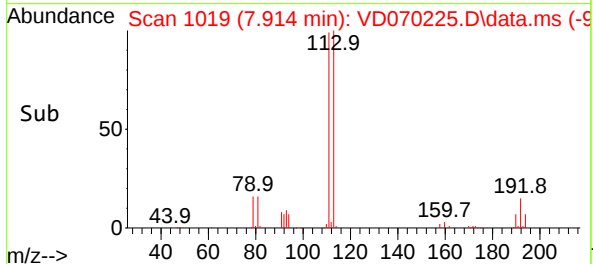
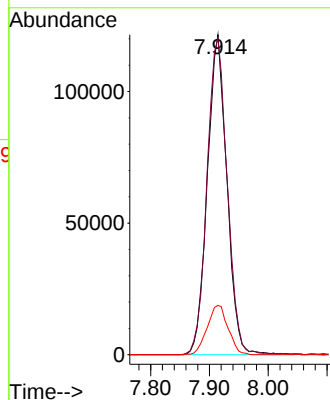
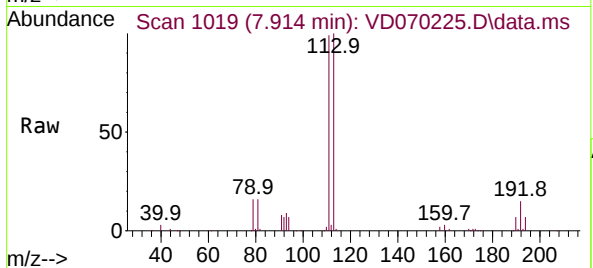
Tgt Ion:113 Resp: 280379

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.6

192 16.5 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.617 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070225.D

Acq: 23 Aug 2021 16:50

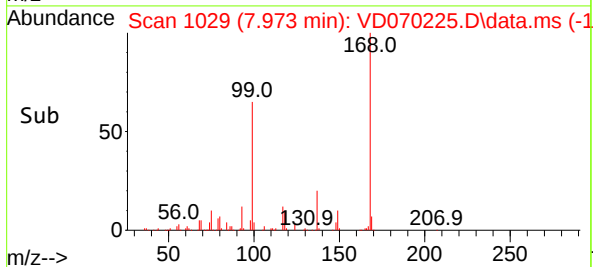
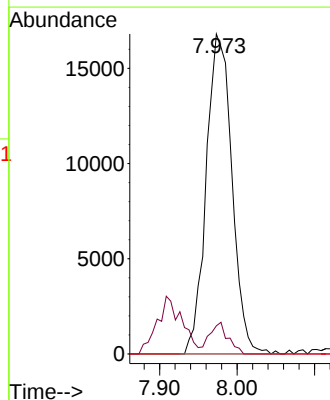
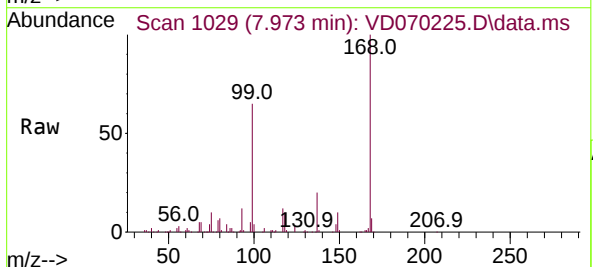
Tgt Ion: 75 Resp: 38809

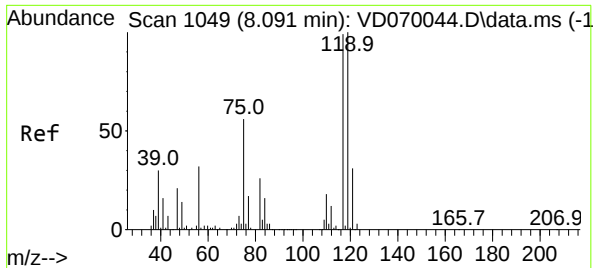
Ion Ratio Lower Upper

75 100

110 7.2 16.9 50.7#

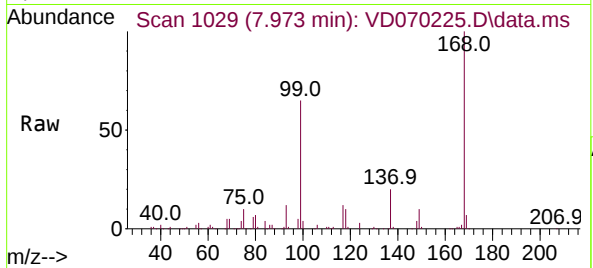
77 0.0 25.2 37.8#



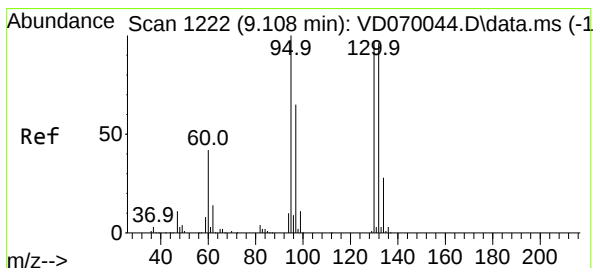
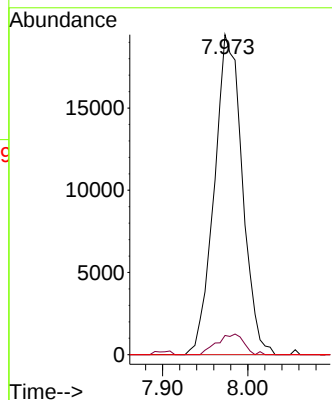
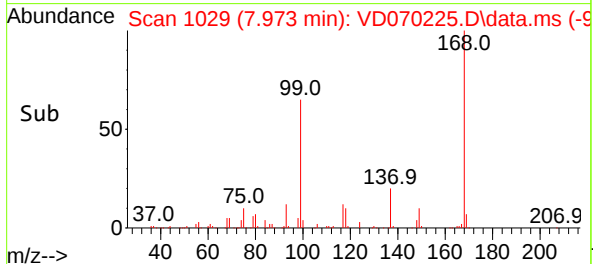


#38
Carbon Tetrachloride
Concen: 5.827 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

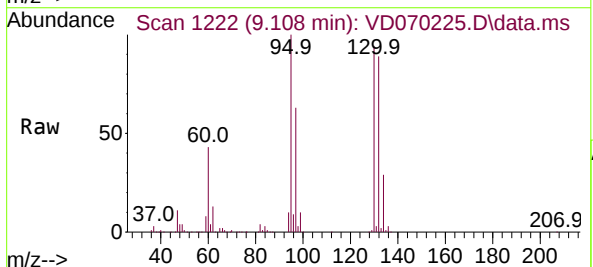
Instrument :
MSVOA_D
ClientSampleId :



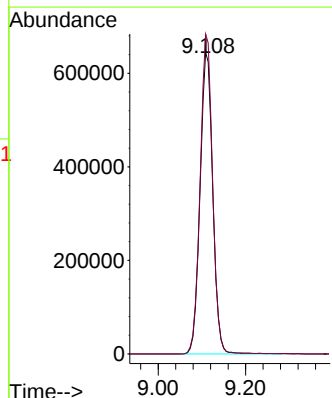
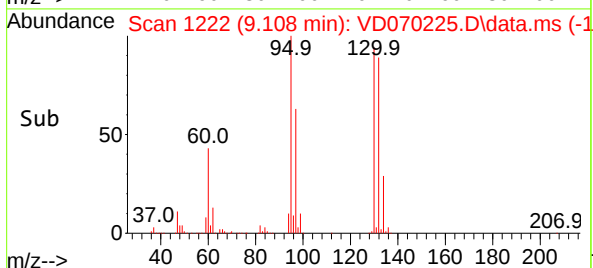
Tgt Ion:117 Resp: 44466
Ion Ratio Lower Upper
117 100
119 6.0 81.0 121.6#
121 0.0 25.0 37.6#

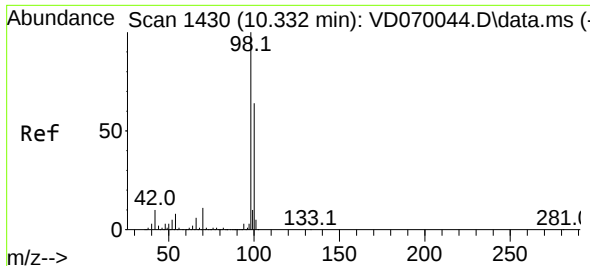


#44
Trichloroethene
Concen: 220.968 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50



Tgt Ion:130 Resp: 1301499
Ion Ratio Lower Upper
130 100
95 106.1 0.0 206.4

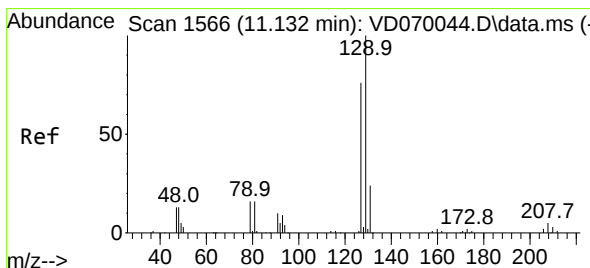
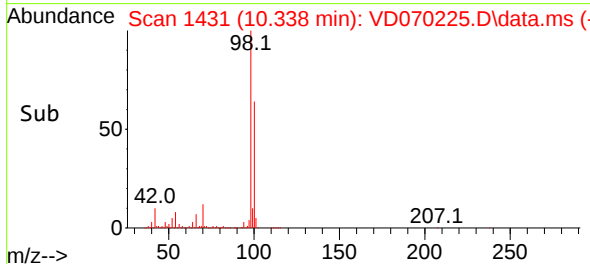
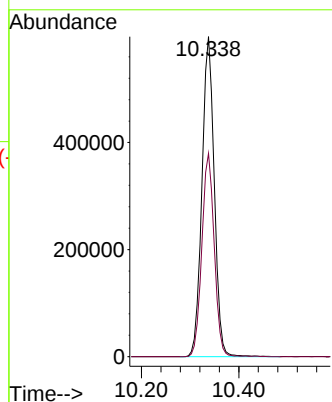
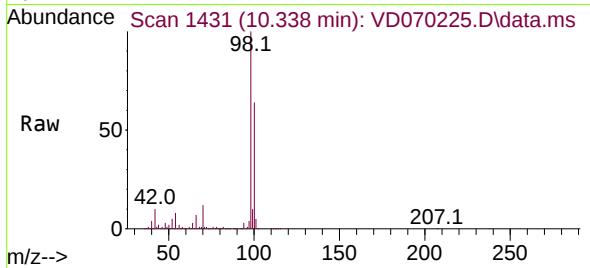




#50
Toluene-d8
Concen: 53.426 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

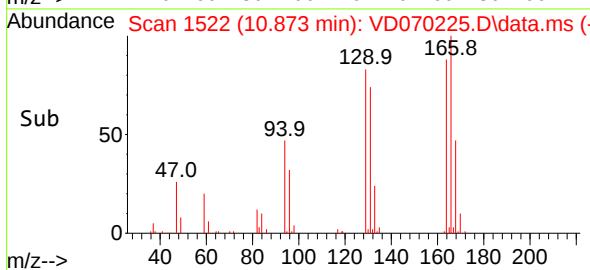
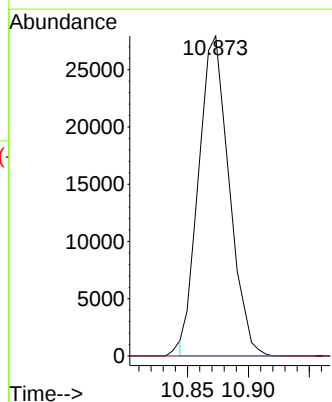
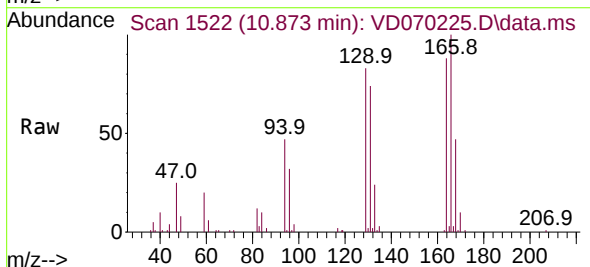
Instrument :
MSVOA_D
ClientSampleId :

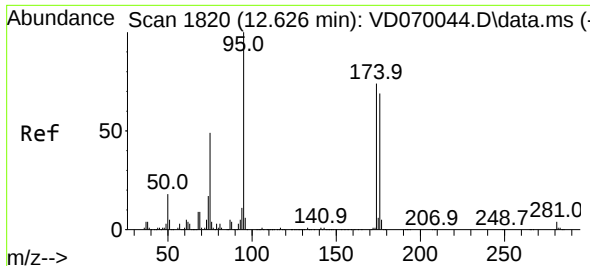
Tgt Ion: 98 Resp: 1049036
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#60
Dibromochloromethane
Concen: 9.752 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.259 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

Tgt Ion:129 Resp: 48688
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#

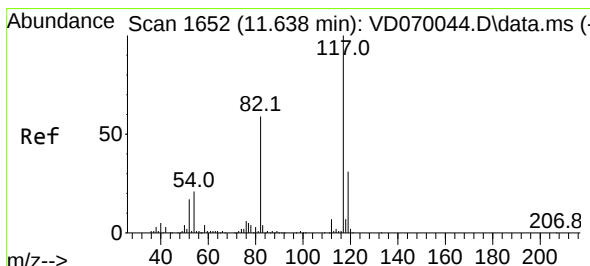
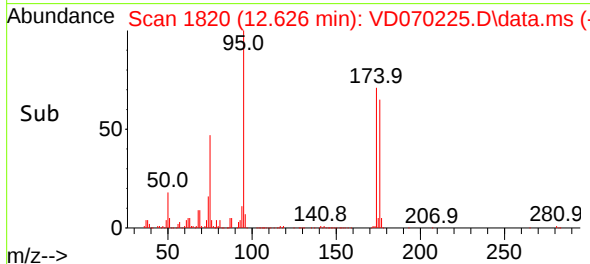
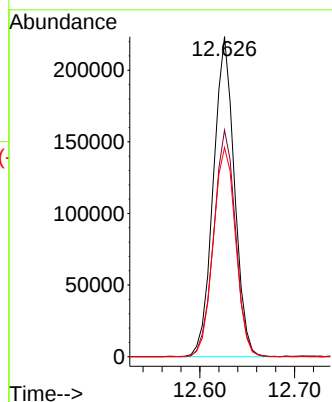
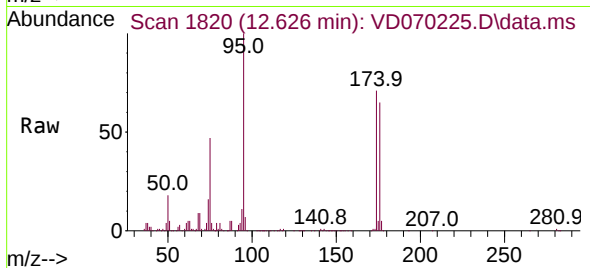




#62
4-Bromofluorobenzene
Concen: 53.394 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

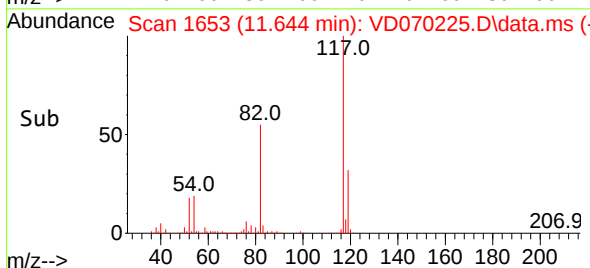
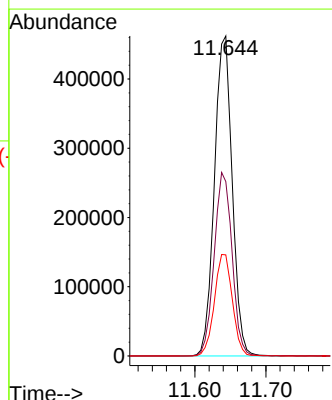
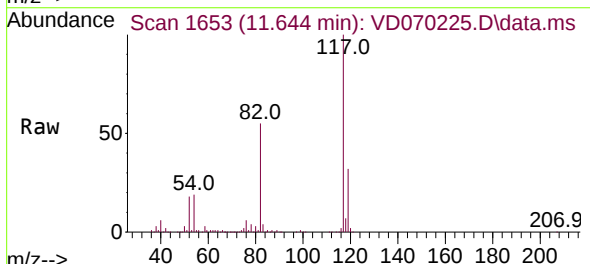
Instrument :
MSVOA_D
ClientSampleId :

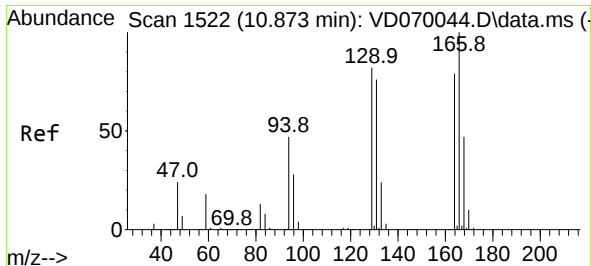
Tgt Ion: 95 Resp: 345319
Ion Ratio Lower Upper
95 100
174 73.1 0.0 141.6
176 69.6 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

Tgt Ion: 117 Resp: 802152
Ion Ratio Lower Upper
117 100
82 54.5 47.5 71.3
119 31.6 25.1 37.7

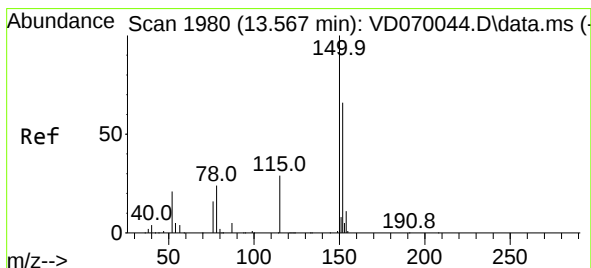
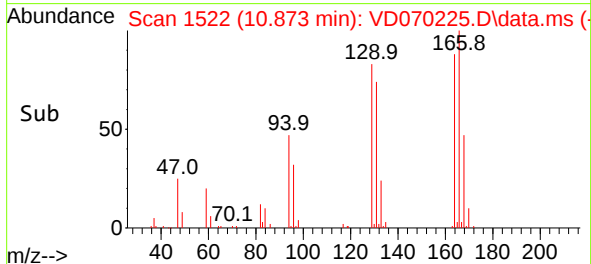
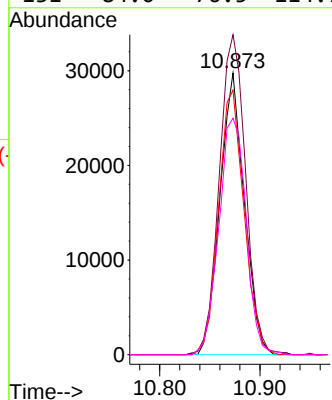
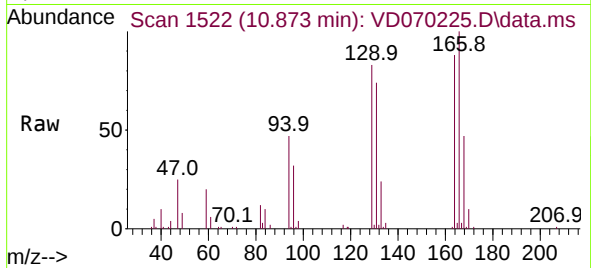




#64
Tetrachloroethene
Concen: 9.745 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

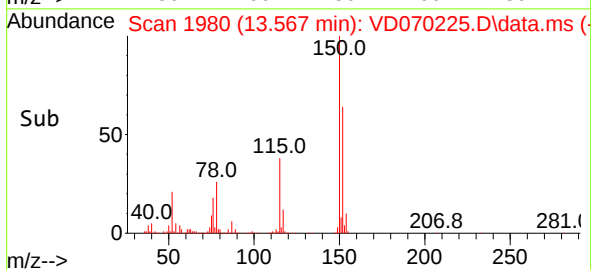
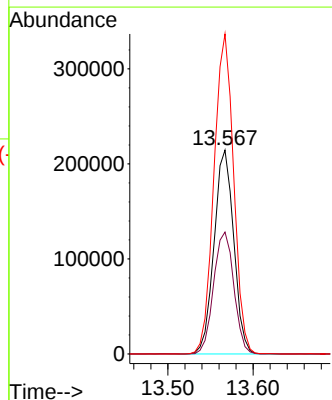
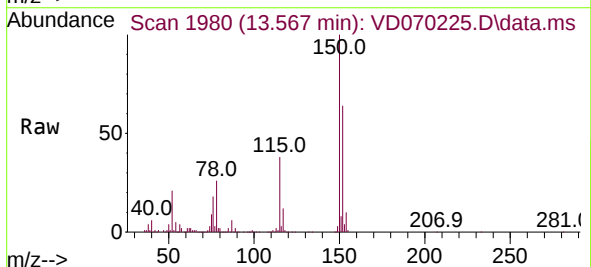
Instrument :
MSVOA_D
ClientSampled :

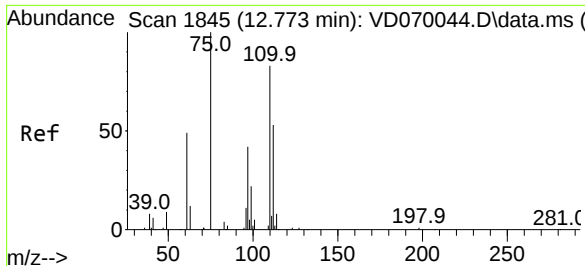
Tgt Ion:164 Resp: 50431
Ion Ratio Lower Upper
164 100
166 113.7 101.3 151.9
129 93.9 82.9 124.3
131 84.0 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

Tgt Ion:152 Resp: 344112
Ion Ratio Lower Upper
152 100
115 61.5 31.2 93.6
150 157.2 0.0 352.0

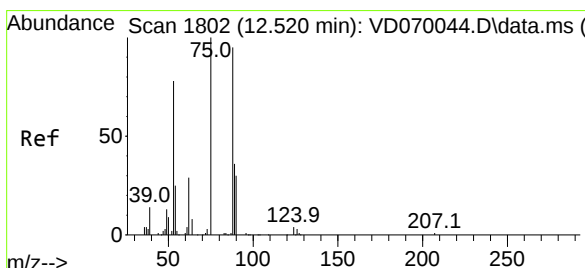
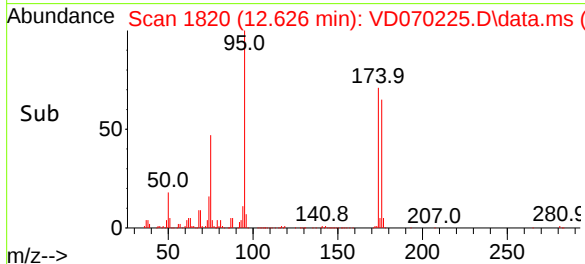
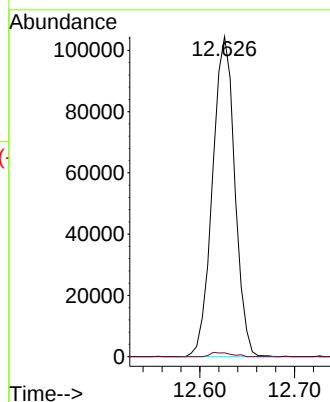
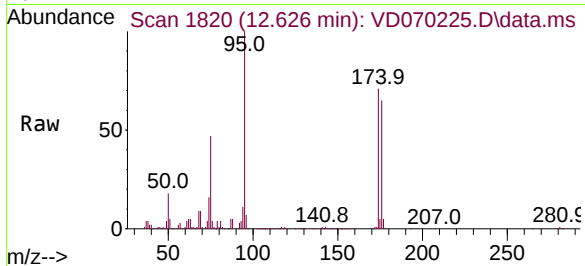




#76
1,2,3-Trichloropropane
Concen: 48.980 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 170929
Ion Ratio Lower Upper
75 100
77 1.3 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.134 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070225.D
Acq: 23 Aug 2021 16:50

Tgt Ion: 75 Resp: 170929
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.0 33.7 50.5#

