

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062722\
 Data File : VD073736.D
 Acq On : 27 Jun 2022 22:23
 Operator : VA/SY
 Sample : N3478-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-364

Quant Time: Jun 28 02:13:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062722S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 16:20:04 2022
 Response via : Initial Calibration

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

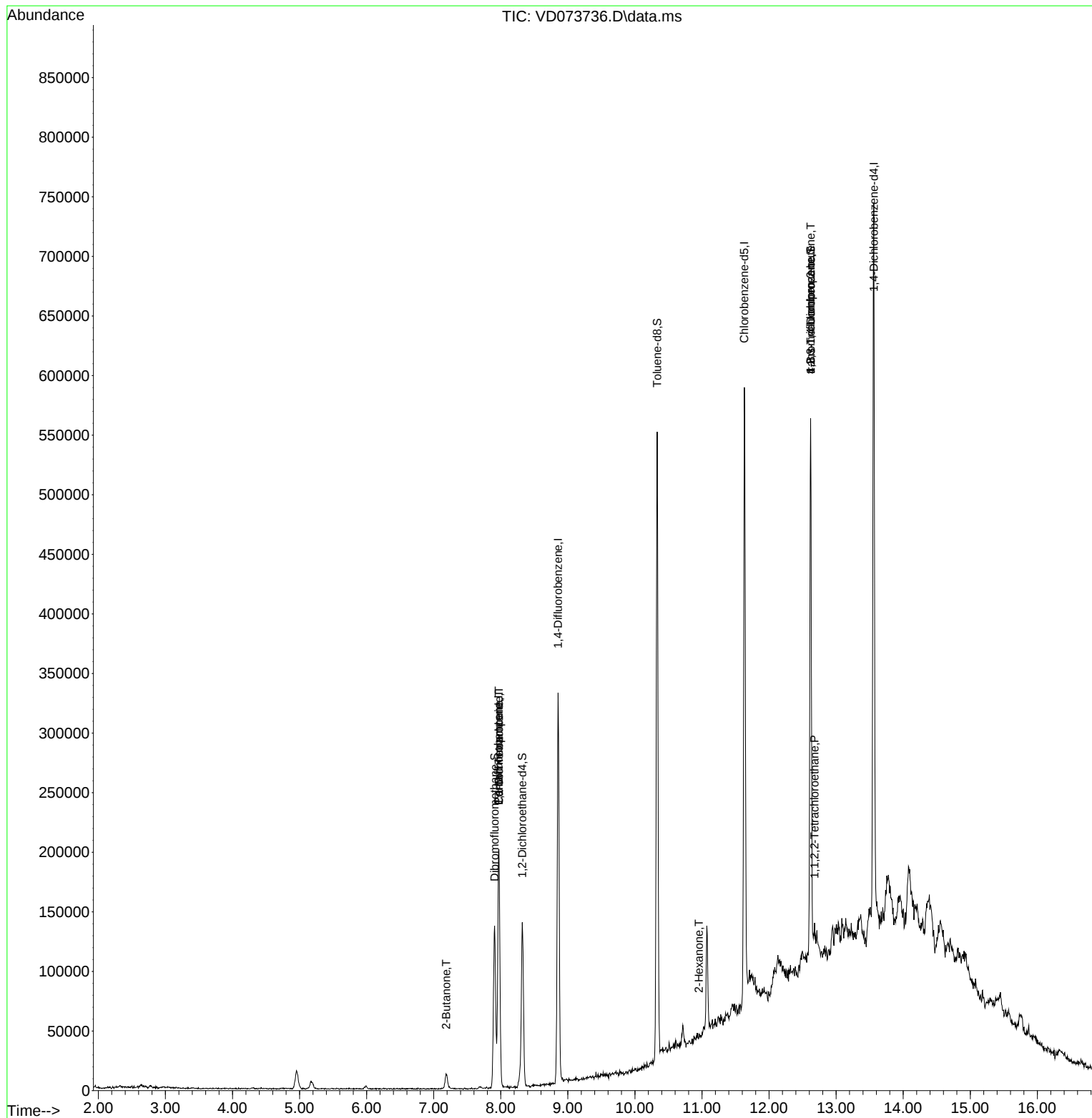
Internal Standards						
1) Pentafluorobenzene	7.967	168	145690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	274574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	299950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	159772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	111460	97.586	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 195.180%#	
35) Dibromofluoromethane	7.908	113	97091	61.276	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.560%	
50) Toluene-d8	10.332	98	357827	66.598	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 133.200%	
62) 4-Bromofluorobenzene	12.620	95	146864	66.375	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 132.740%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.403	62	54	Below Cal	#	40
5) Bromomethane	2.779	94	716	Below Cal		93
11) Tert butyl alcohol	5.161	59	2703	Below Cal	#	100
18) Methyl Acetate	4.756	43	122	Below Cal	#	50
20) Methylene Chloride	4.950	84	11831	Below Cal	#	71
25) 2-Butanone	7.185	43	479	1.390	ug/l #	47
31) Cyclohexane	7.973	56	3288	Below Cal	#	32
36) 1,1-Dichloropropene	7.973	75	11805	5.981	ug/l #	43
38) Carbon Tetrachloride	7.973	117	15393	6.364	ug/l #	18
59) 2-Hexanone	10.955	43	778	1.233	ug/l #	22
75) 1,1,2,2-Tetrachloroethane	12.679	83	2448	1.265	ug/l	68
76) 1,2,3-Trichloropropane	12.620	75	75552	63.205	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	75552	128.735	ug/l #	12

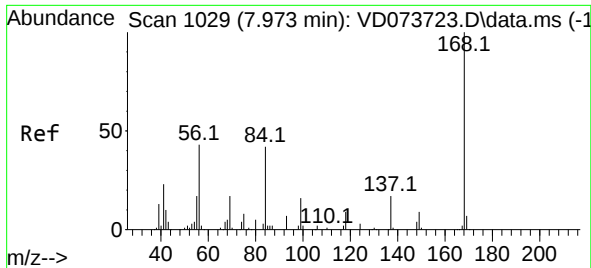
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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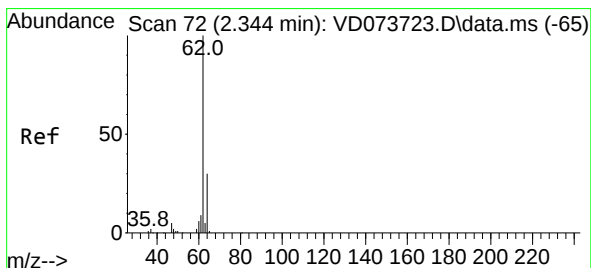
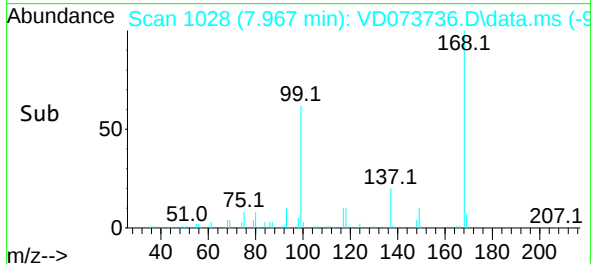
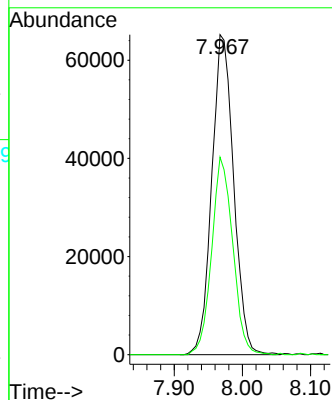
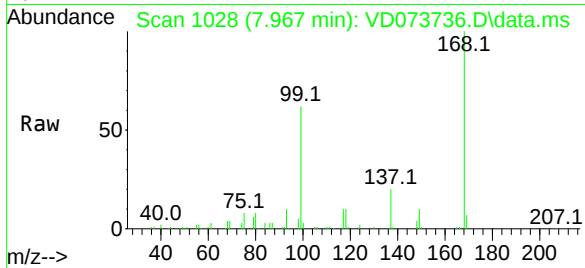




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

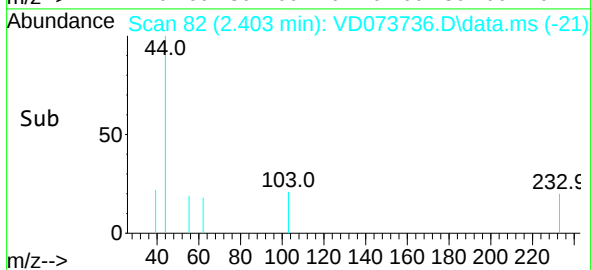
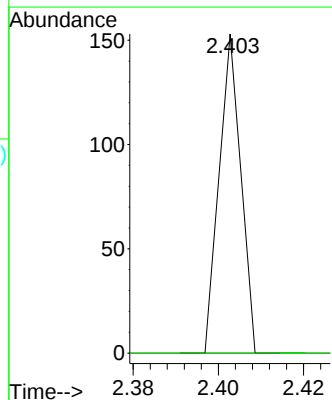
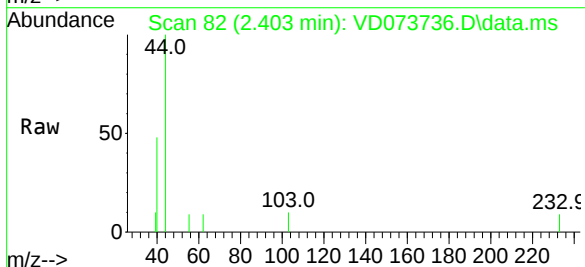
Instrument :
MSVOA_D
ClientSampleId :
RO-364

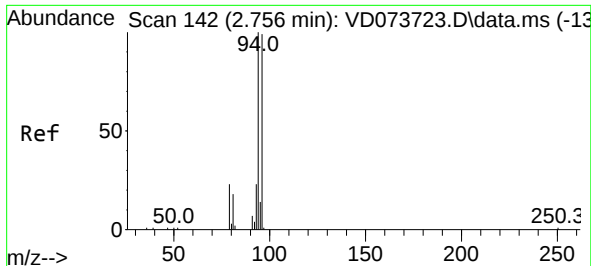
Tgt Ion:168 Resp: 145690
Ion Ratio Lower Upper
168 100
99 61.7 46.4 69.6



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.403 min Scan# 82
Delta R.T. 0.059 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

Tgt Ion: 62 Resp: 54
Ion Ratio Lower Upper
62 100
64 0.0 27.8 41.6#

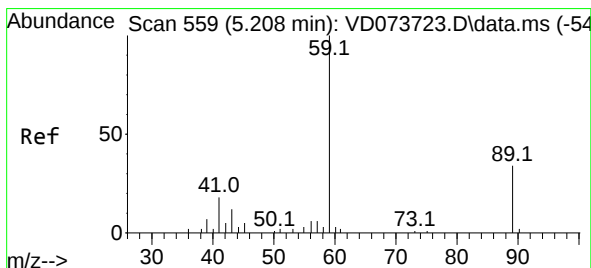
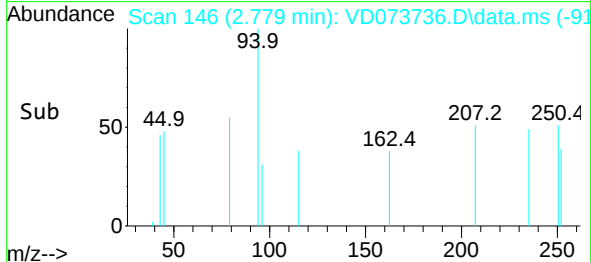
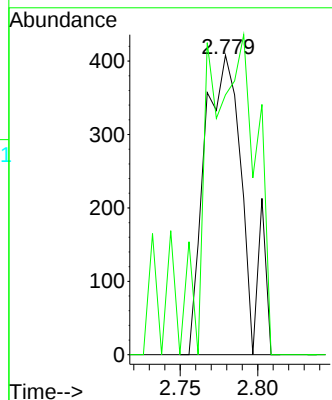
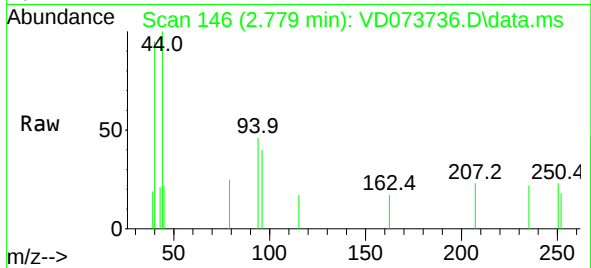




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 14
Delta R.T. 0.023 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

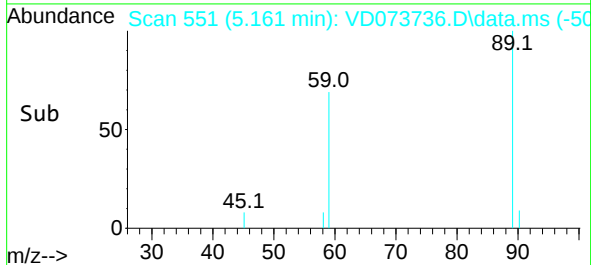
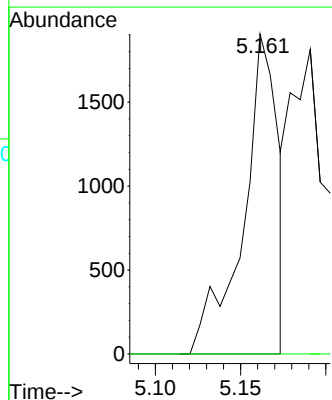
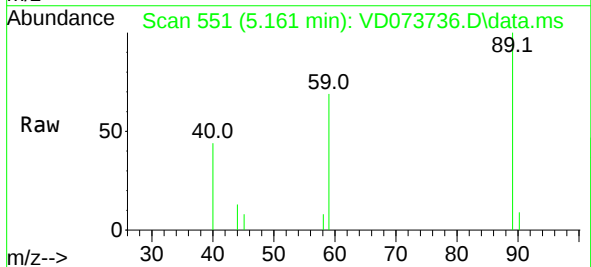
Instrument :
MSVOA_D
ClientSampleId :
RO-364

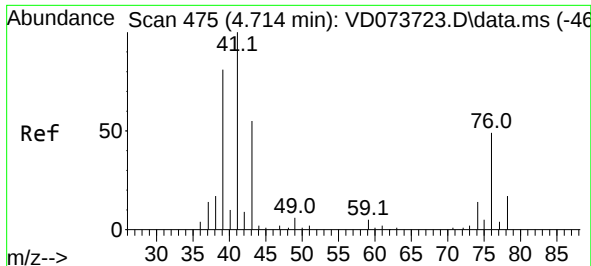
Tgt Ion: 94 Resp: 716
Ion Ratio Lower Upper
94 100
96 86.8 75.1 112.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.161 min Scan# 551
Delta R.T. -0.047 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

Tgt Ion: 59 Resp: 2703
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

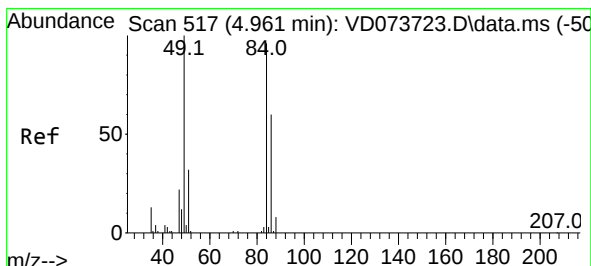
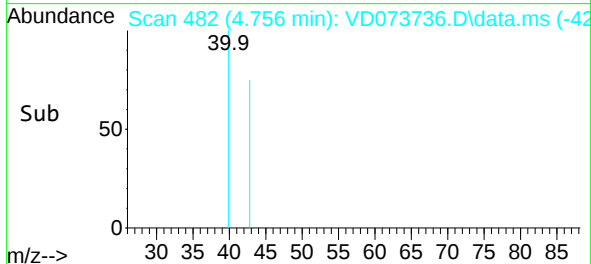
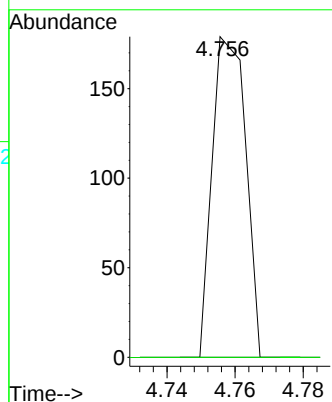
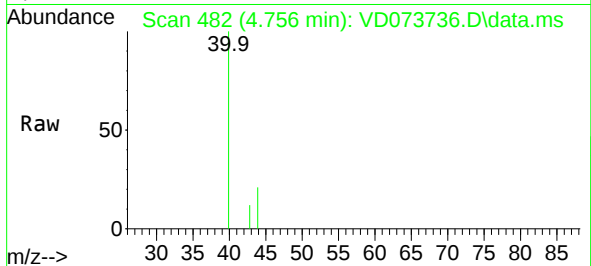




#18
Methyl Acetate
Concen: Below Cal
RT: 4.756 min Scan# 41
Delta R.T. 0.042 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

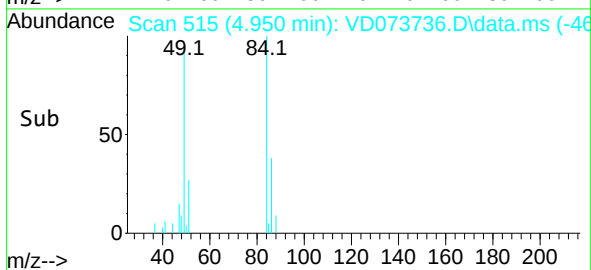
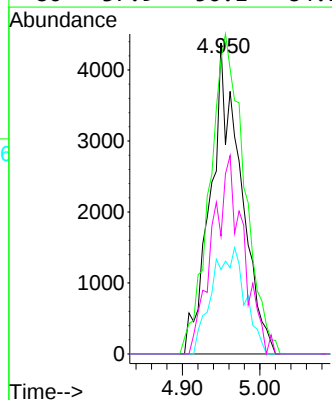
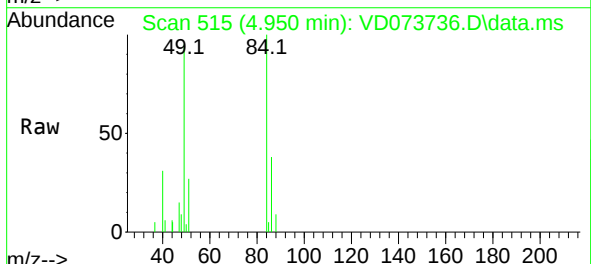
Instrument :
MSVOA_D
ClientSampleId :
RO-364

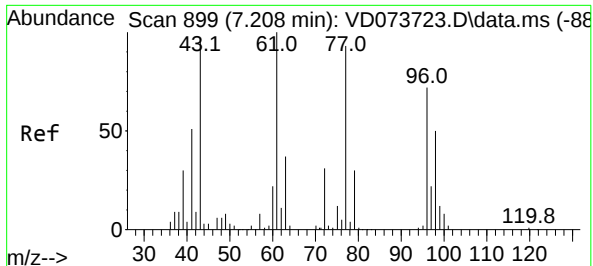
Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.011 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

Tgt Ion: 84 Resp: 11831
Ion Ratio Lower Upper
84 100
49 94.8 100.6 150.8#
51 27.1 29.8 44.6#
86 37.9 56.1 84.1#





#25

2-Butanone

Concen: 1.390 ug/l

RT: 7.185 min Scan# 899

Delta R.T. -0.023 min

Lab File: VD073736.D

Acq: 27 Jun 2022 22:23

Instrument :

MSVOA_D

ClientSampleId :

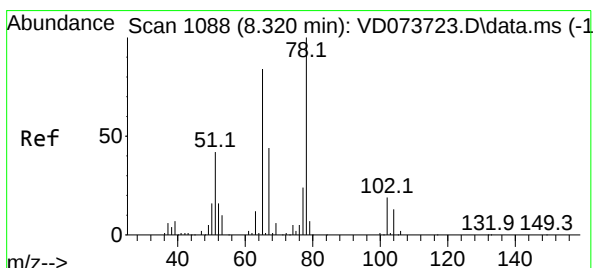
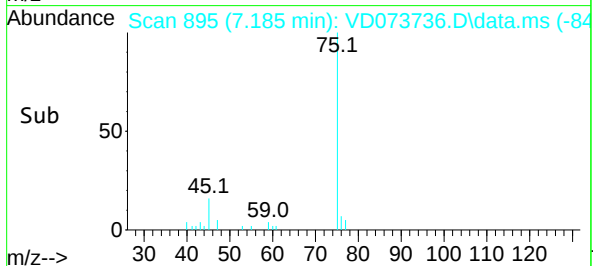
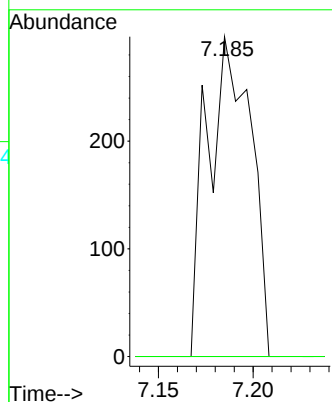
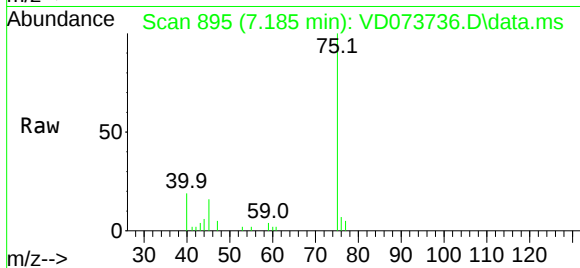
RO-364

Tgt Ion: 43 Resp: 479

Ion Ratio Lower Upper

43 100

72 0.0 22.6 33.8#



#33

1,2-Dichloroethane-d4

Concen: 97.586 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073736.D

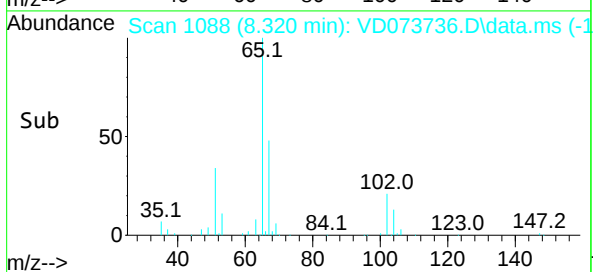
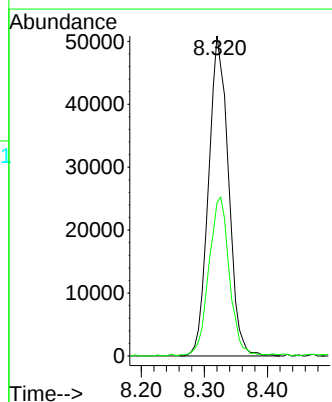
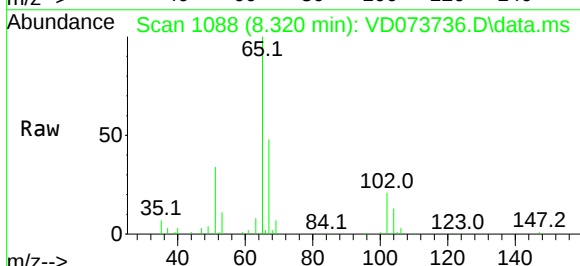
Acq: 27 Jun 2022 22:23

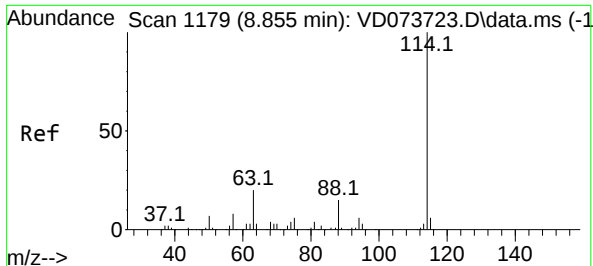
Tgt Ion: 65 Resp: 111460

Ion Ratio Lower Upper

65 100

67 51.3 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073736.D

Acq: 27 Jun 2022 22:23

Instrument :

MSVOA_D

ClientSampleId :

RO-364

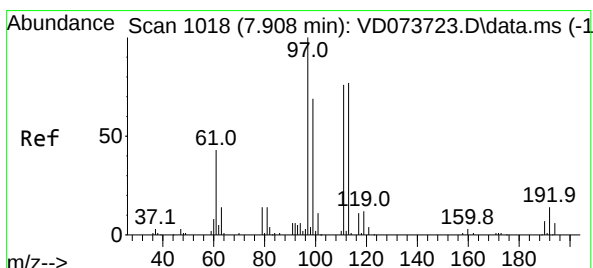
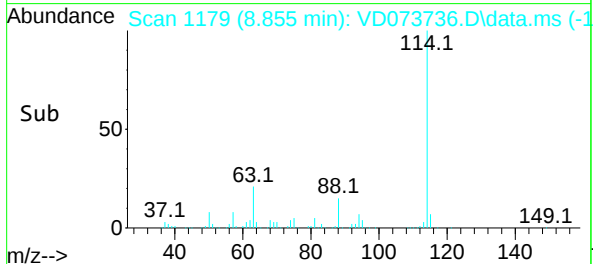
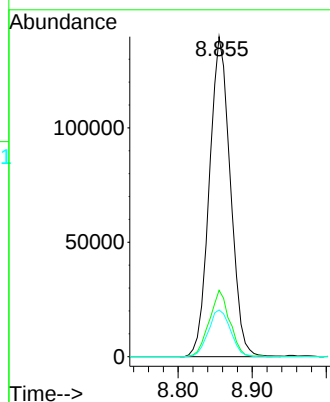
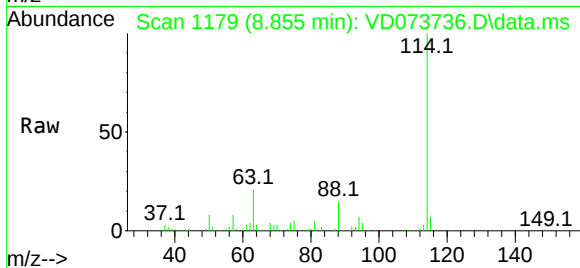
Tgt Ion:114 Resp: 274574

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

88 14.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 61.276 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073736.D

Acq: 27 Jun 2022 22:23

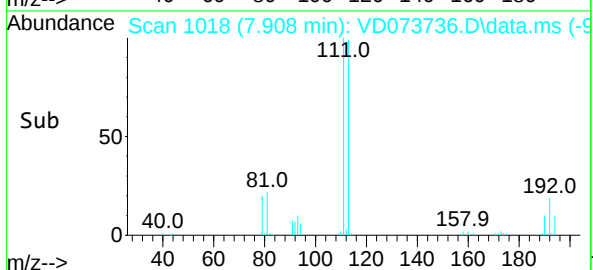
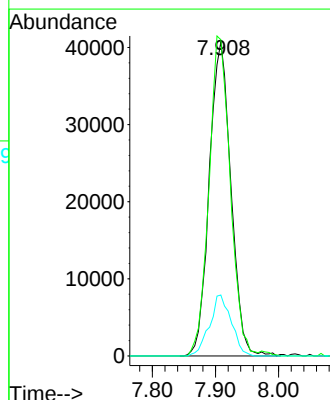
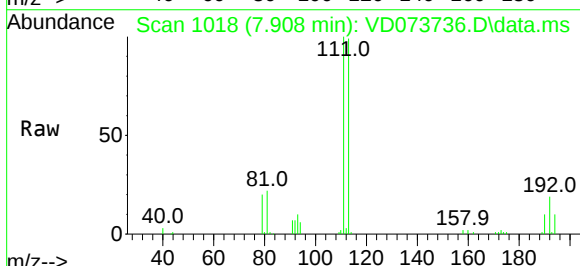
Tgt Ion:113 Resp: 97091

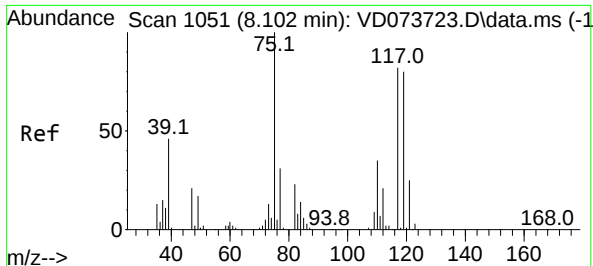
Ion Ratio Lower Upper

113 100

111 100.1 81.8 122.6

192 19.4 14.8 22.2

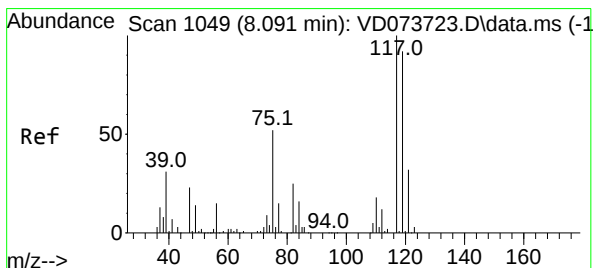
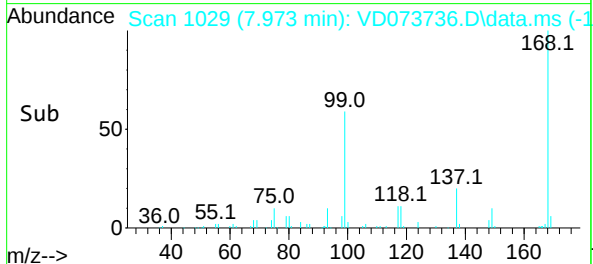
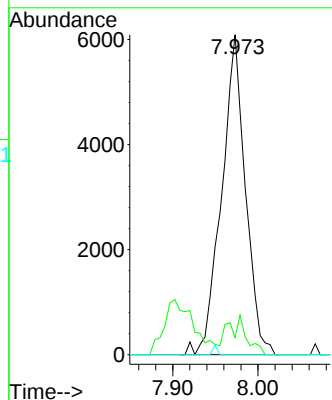
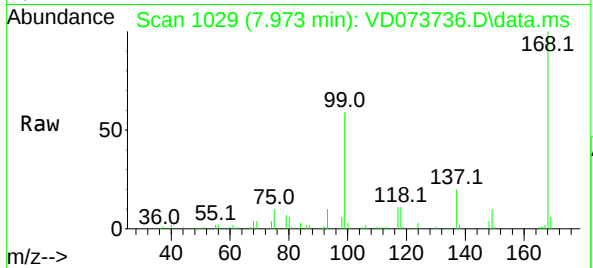




#36
1,1-Dichloropropene
Concen: 5.981 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

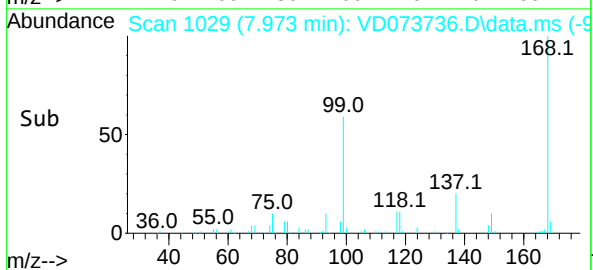
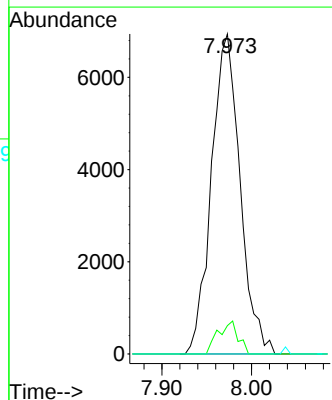
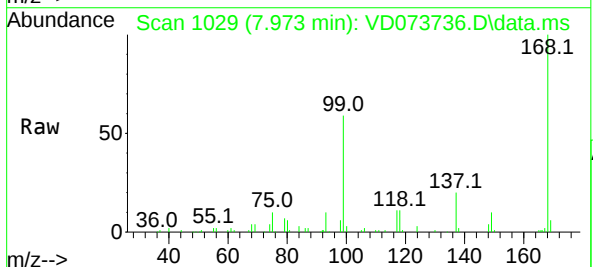
Instrument :
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RO-364

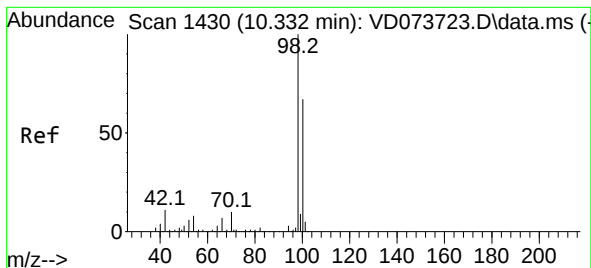
Tgt Ion: 75 Resp: 11805
Ion Ratio Lower Upper
75 100
110 2.9 18.0 54.0#
77 0.0 25.6 38.4#



#38
Carbon Tetrachloride
Concen: 6.364 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

Tgt Ion: 117 Resp: 15393
Ion Ratio Lower Upper
117 100
119 8.9 79.2 118.8#
121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 66.598 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073736.D

Acq: 27 Jun 2022 22:23

Instrument :

MSVOA_D

ClientSampleId :

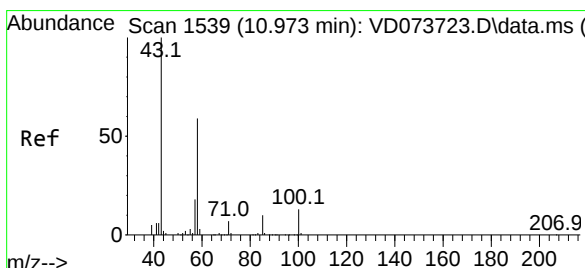
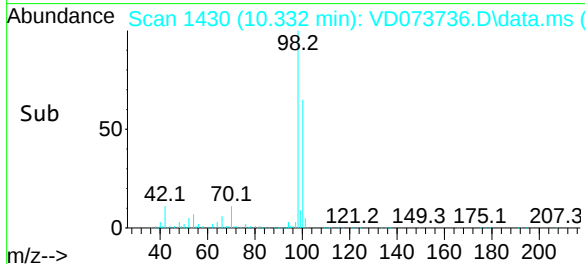
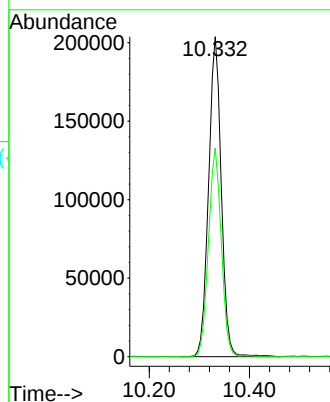
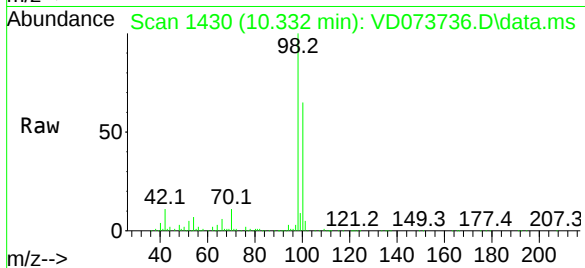
RO-364

Tgt Ion: 98 Resp: 357827

Ion Ratio Lower Upper

98 100

100 65.8 54.0 81.0



#59

2-Hexanone

Concen: 1.233 ug/l

RT: 10.955 min Scan# 1536

Delta R.T. -0.018 min

Lab File: VD073736.D

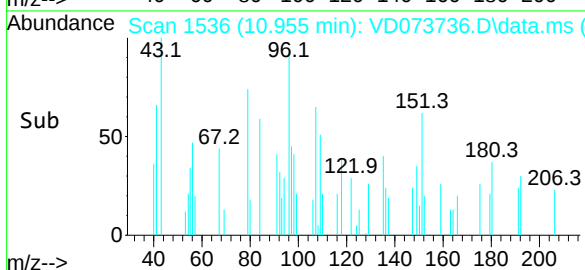
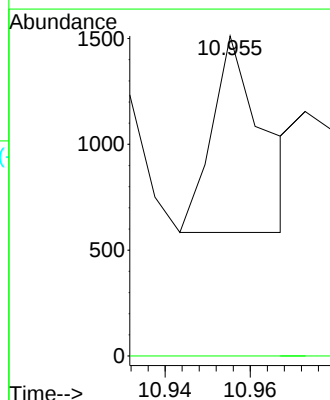
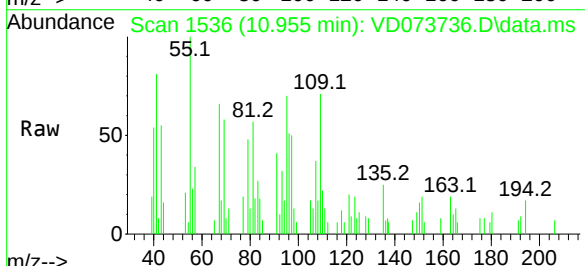
Acq: 27 Jun 2022 22:23

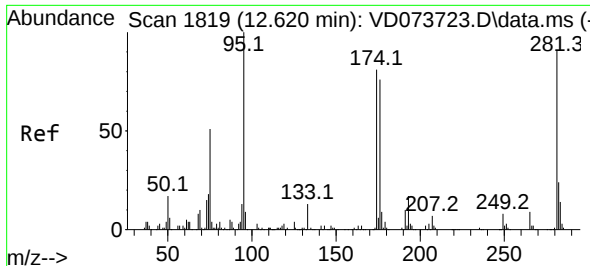
Tgt Ion: 43 Resp: 778

Ion Ratio Lower Upper

43 100

58 0.0 28.8 86.4#

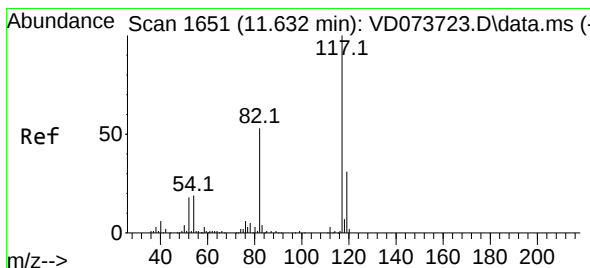
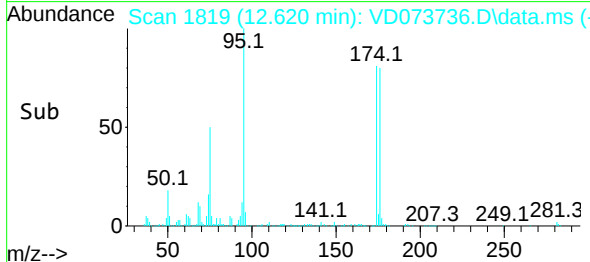
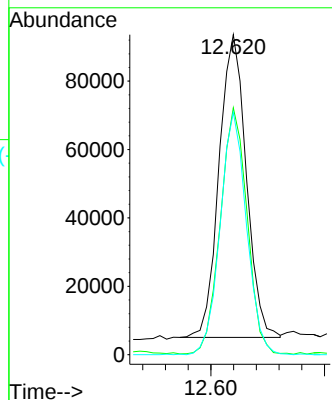
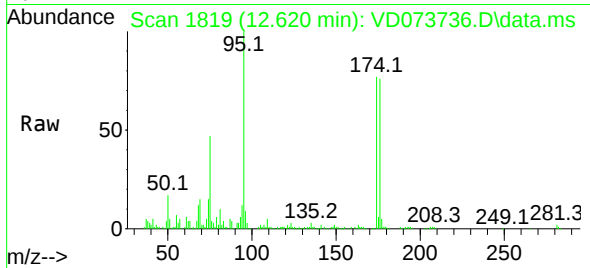




#62
4-Bromofluorobenzene
Concen: 66.375 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

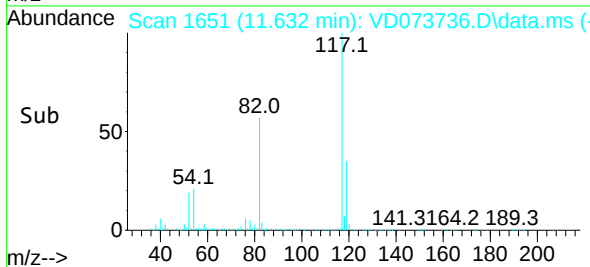
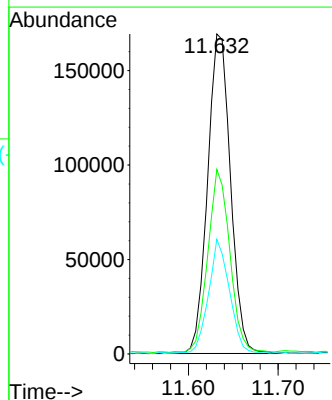
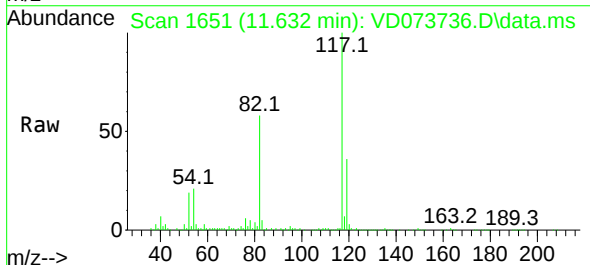
Instrument :
MSVOA_D
ClientSampleId :
RO-364

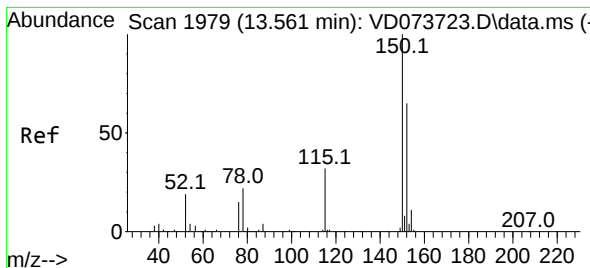
Tgt Ion: 95 Resp: 146864
Ion Ratio Lower Upper
95 100
174 80.0 0.0 158.4
176 77.7 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

Tgt Ion: 117 Resp: 299950
Ion Ratio Lower Upper
117 100
82 57.1 41.5 62.3
119 35.6 27.1 40.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073736.D

Acq: 27 Jun 2022 22:23

Instrument :

MSVOA_D

ClientSampleId :

RO-364

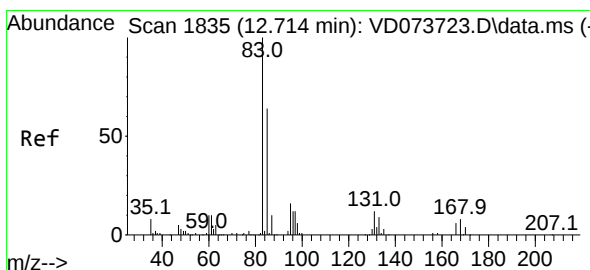
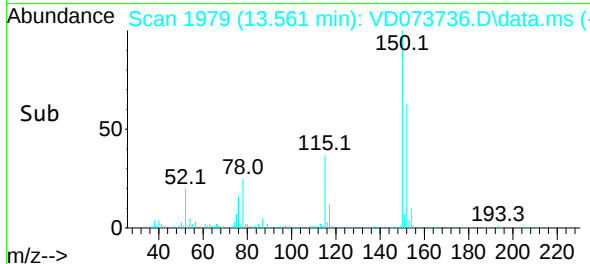
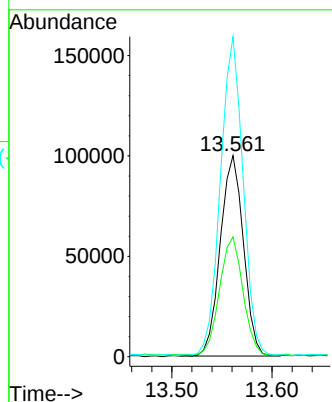
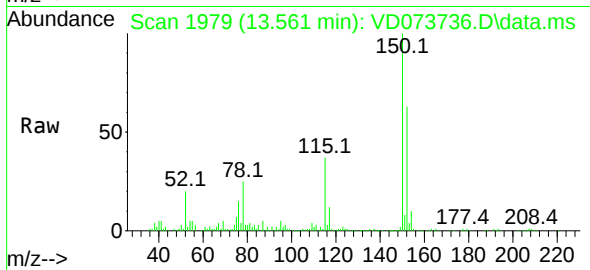
Tgt Ion:152 Resp: 159772

Ion Ratio Lower Upper

152 100

115 59.5 30.6 91.6

150 155.7 0.0 355.0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.265 ug/l

RT: 12.679 min Scan# 1829

Delta R.T. -0.035 min

Lab File: VD073736.D

Acq: 27 Jun 2022 22:23

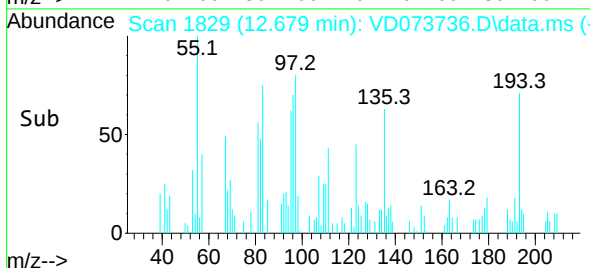
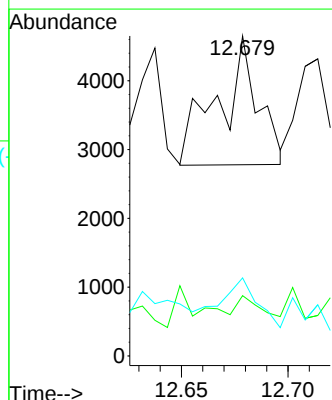
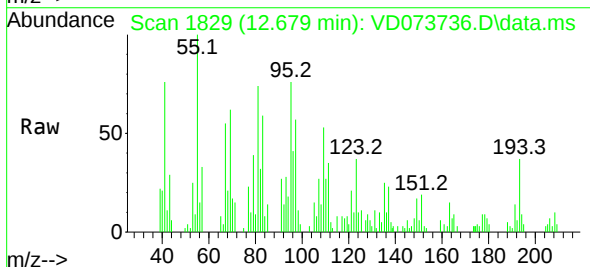
Tgt Ion: 83 Resp: 2448

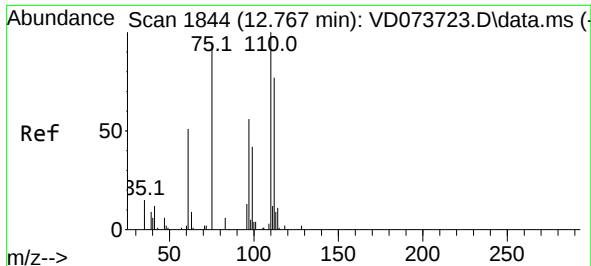
Ion Ratio Lower Upper

83 100

131 12.7 5.5 16.7

85 35.5 32.3 96.9

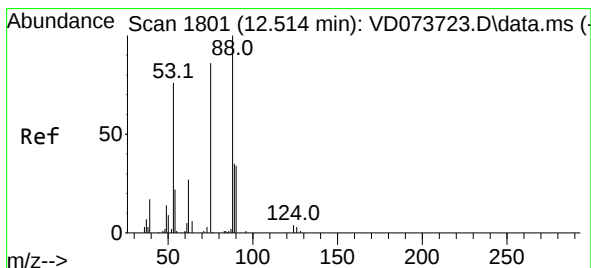
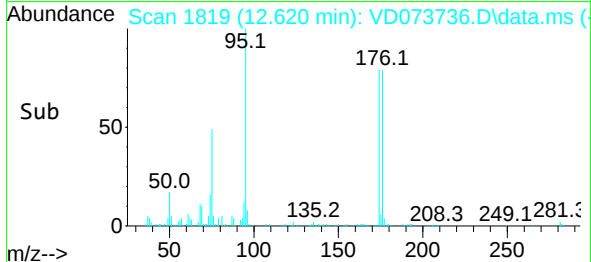
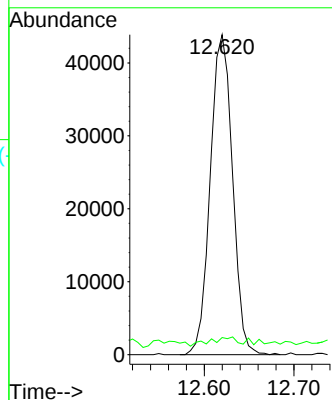
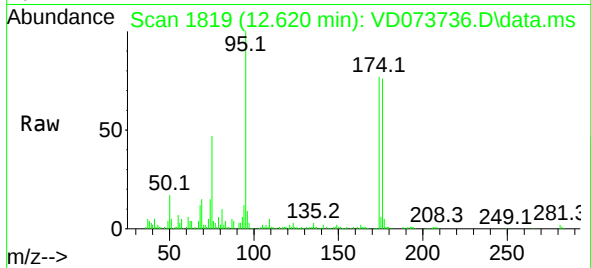




#76
1,2,3-Trichloropropane
Concen: 63.205 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

Instrument :
MSVOA_D
ClientSampleId :
RO-364

Tgt Ion: 75 Resp: 75552
Ion Ratio Lower Upper
75 100
77 1.9 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.735 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073736.D
Acq: 27 Jun 2022 22:23

Tgt Ion: 75 Resp: 75552
Ion Ratio Lower Upper
75 100
53 0.9 77.0 115.6#
89 0.3 37.8 56.8#

