

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062722\
 Data File : VD073737.D
 Acq On : 27 Jun 2022 22:52
 Operator : VA/SY
 Sample : N3503-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-062422

Quant Time: Jun 28 02:13:35 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)

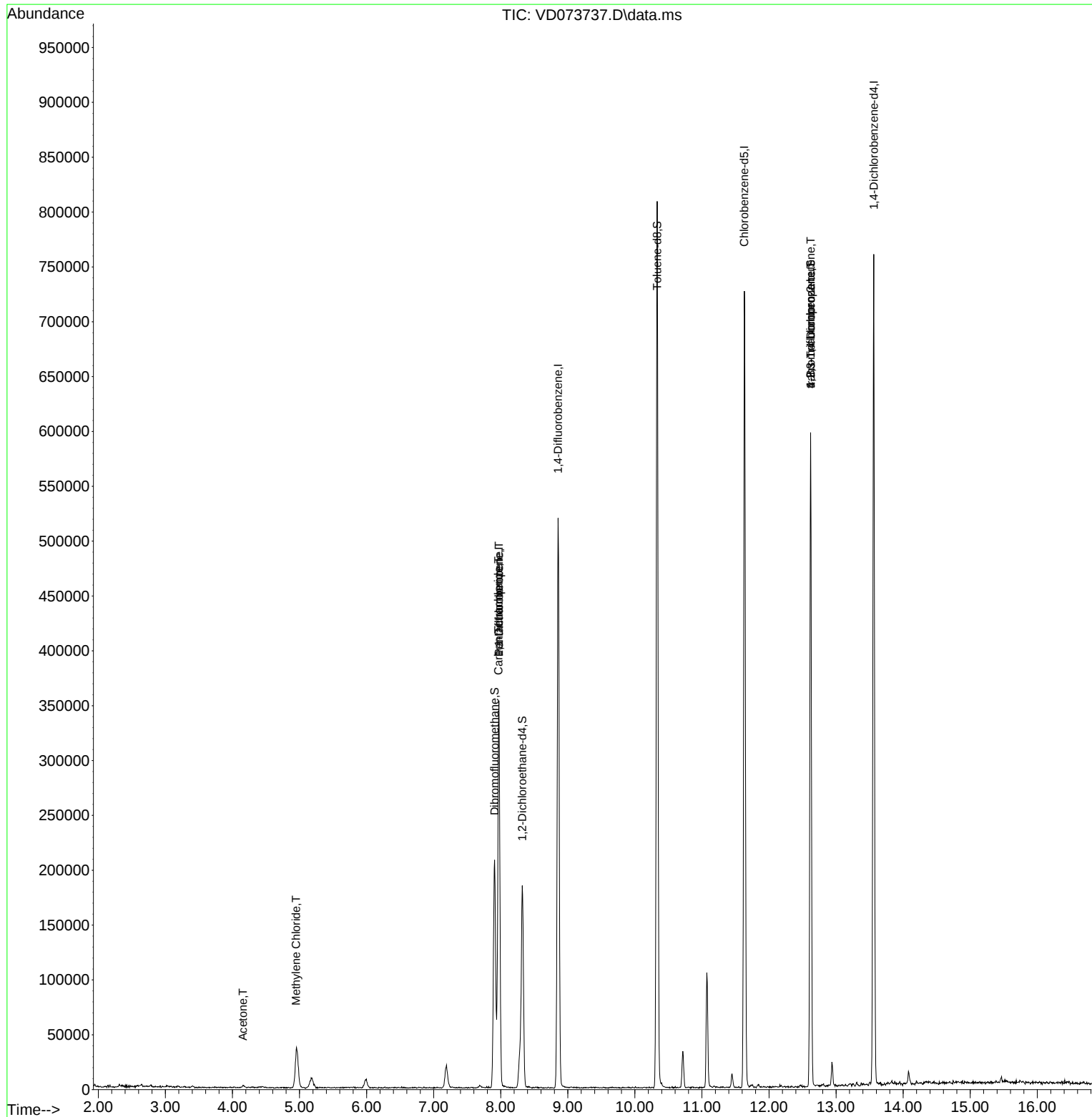
Internal Standards						
1) Pentafluorobenzene	7.973	168	252784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	450547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	431163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	201975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	148249	73.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.780%	
35) Dibromofluoromethane	7.908	113	149136	57.361	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.720%	
50) Toluene-d8	10.332	98	546378	61.973	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 123.940%	
62) 4-Bromofluorobenzene	12.620	95	189589	52.218	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.440%	
Target Compounds						
2) Dichlorodifluoromethane	1.997	85	194	Below Cal	#	44
4) Vinyl Chloride	2.356	62	53	Below Cal	#	40
5) Bromomethane	2.785	94	678	Below Cal		85
11) Tert butyl alcohol	5.173	59	8411	Below Cal	#	100
16) Acetone	4.156	43	2714	6.757	ug/l #	72
18) Methyl Acetate	4.962	43	61	Below Cal	#	50
20) Methylene Chloride	4.950	84	28613	1.860	ug/l #	79
31) Cyclohexane	7.973	56	5038	Below Cal	#	1
36) 1,1-Dichloropropene	7.973	75	20075	6.199	ug/l #	49
38) Carbon Tetrachloride	7.967	117	27048	6.815	ug/l #	14
76) 1,2,3-Trichloropropane	12.620	75	98602	65.252	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	98602	132.905	ug/l #	11

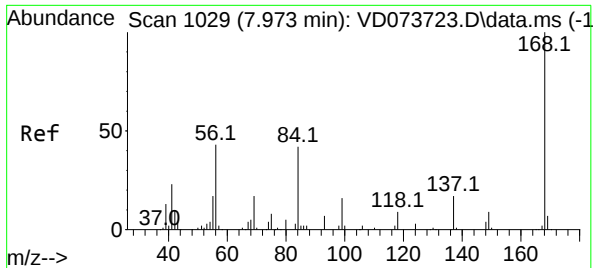
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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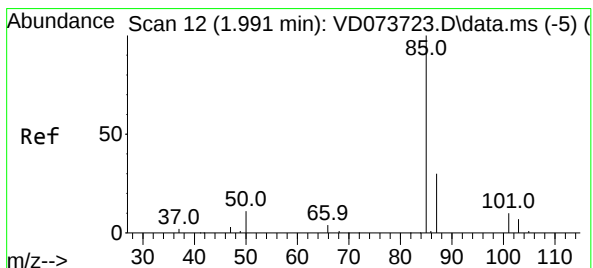
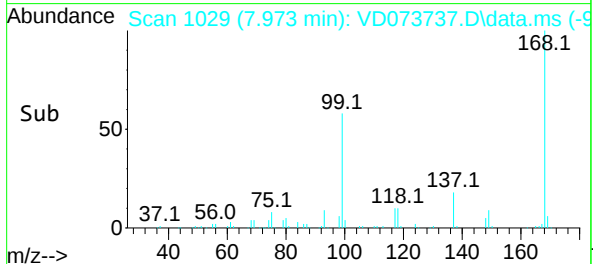
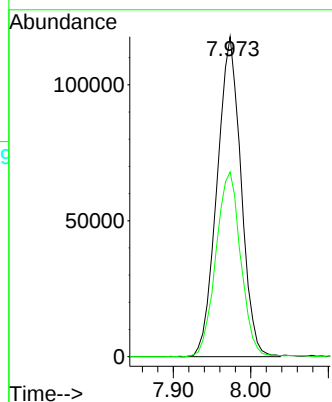
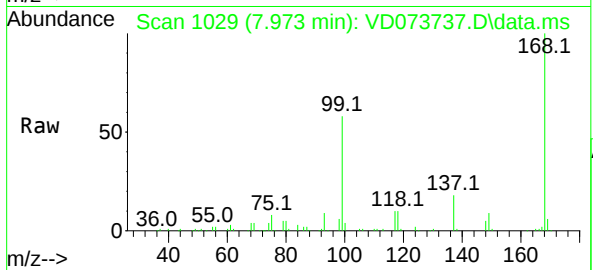




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

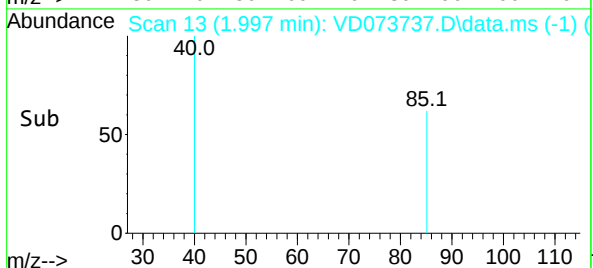
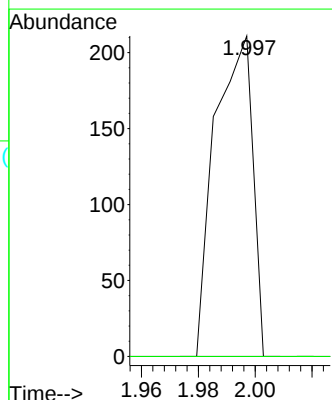
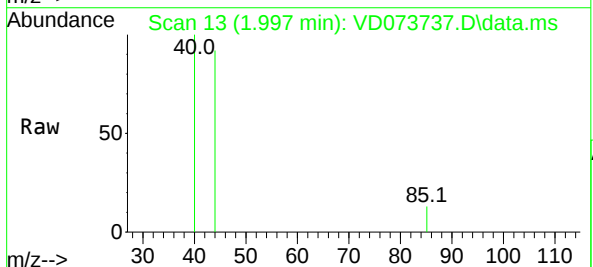
Instrument :
MSVOA_D
ClientSampleId :
OR-03-062422

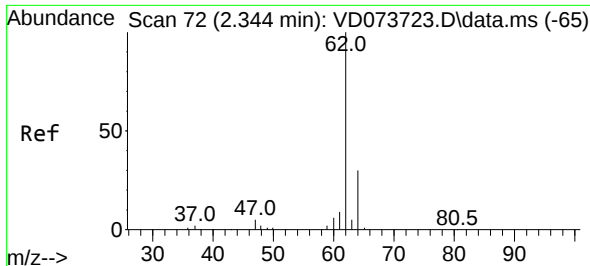
Tgt Ion:168 Resp: 252784
Ion Ratio Lower Upper
168 100
99 57.5 46.4 69.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

Tgt Ion: 85 Resp: 194
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.5#

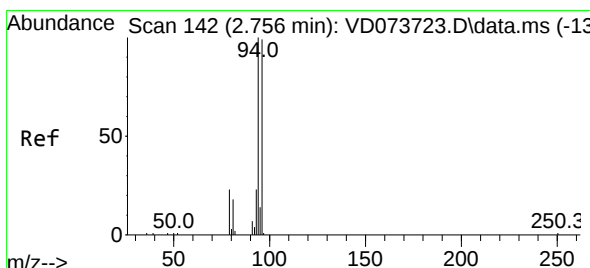
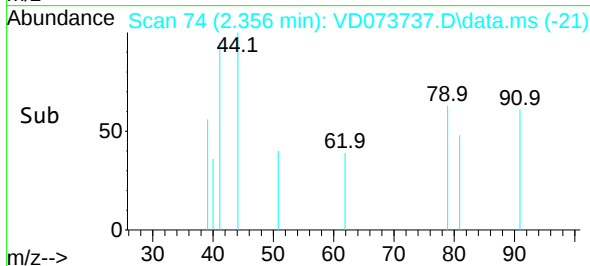
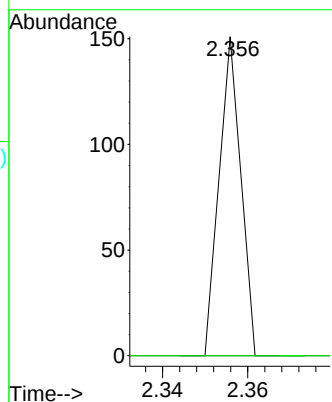
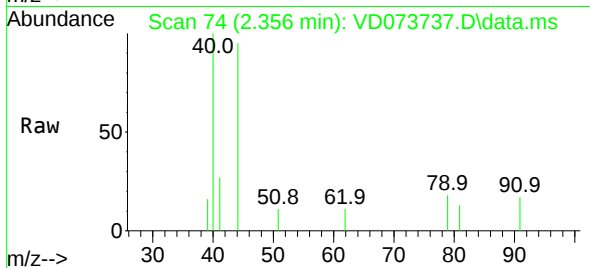




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.356 min Scan# 74
 Delta R.T. 0.012 min
 Lab File: VD073737.D
 Acq: 27 Jun 2022 22:52

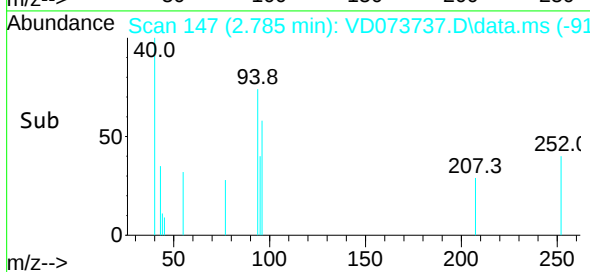
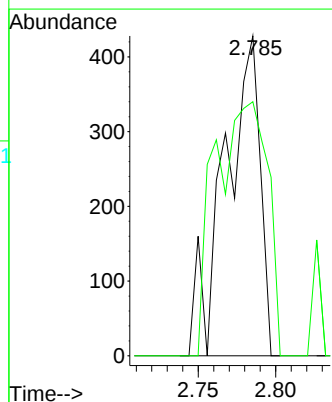
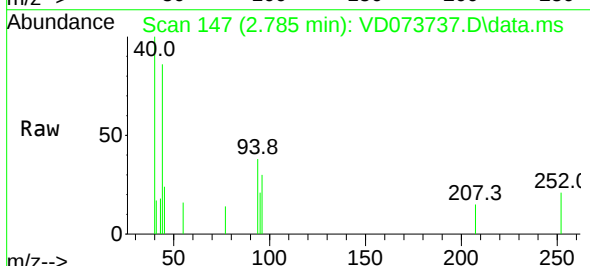
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-062422

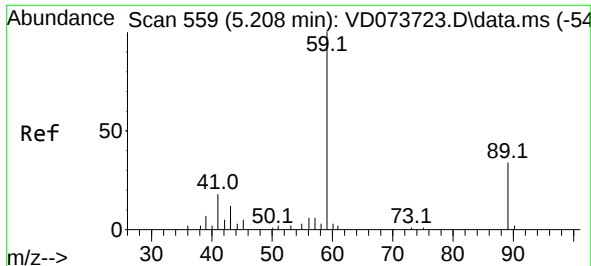
Tgt Ion: 62 Resp: 53
 Ion Ratio Lower Upper
 62 100
 64 0.0 27.8 41.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.785 min Scan# 147
 Delta R.T. 0.029 min
 Lab File: VD073737.D
 Acq: 27 Jun 2022 22:52

Tgt Ion: 94 Resp: 678
 Ion Ratio Lower Upper
 94 100
 96 79.4 75.1 112.7

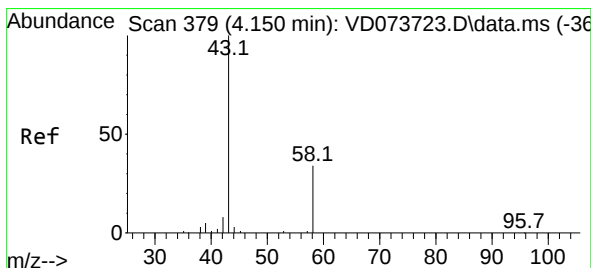
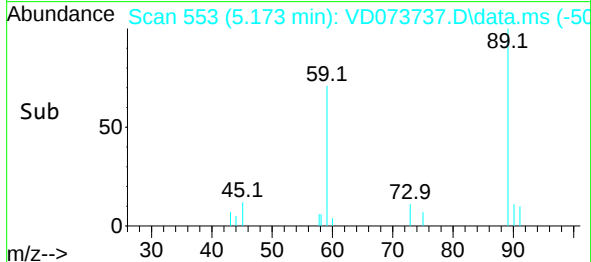
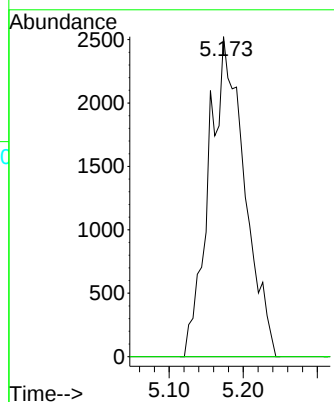
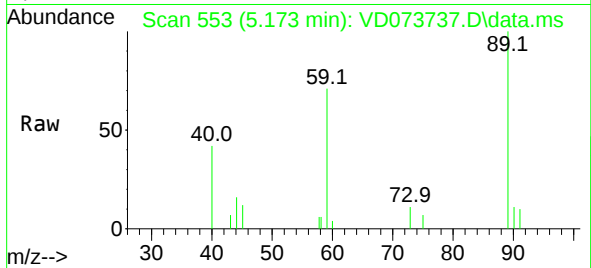




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

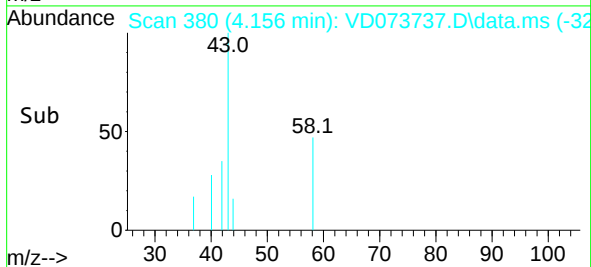
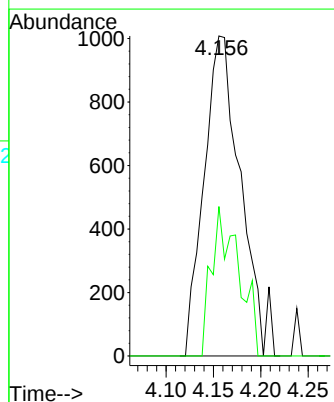
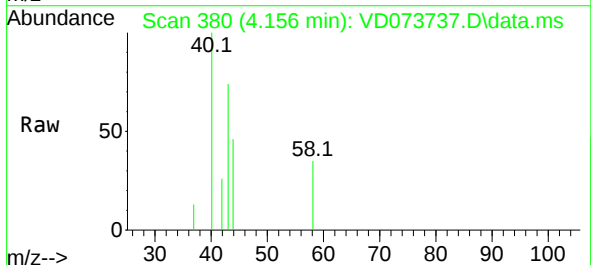
Instrument :
MSVOA_D
ClientSampleId :
OR-03-062422

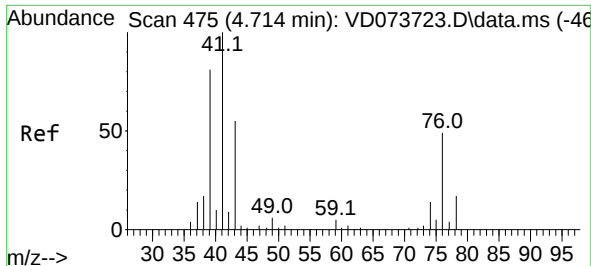
Tgt Ion: 59 Resp: 8411
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 6.757 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

Tgt Ion: 43 Resp: 2714
Ion Ratio Lower Upper
43 100
58 46.7 25.2 37.8#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. 0.248 min

Lab File: VD073737.D

Acq: 27 Jun 2022 22:52

Instrument :

MSVOA_D

ClientSampleId :

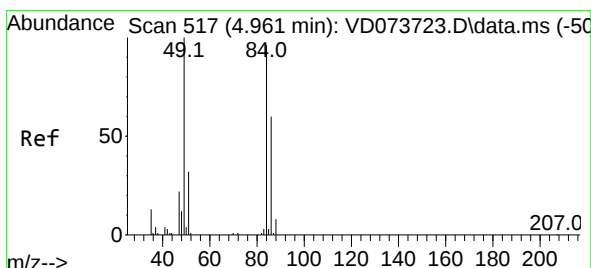
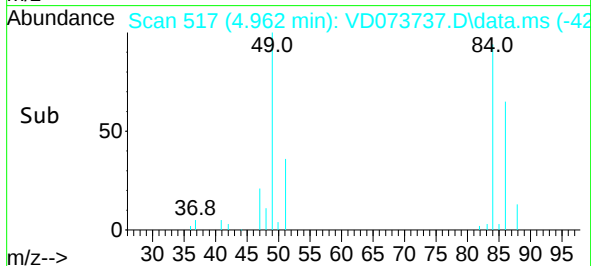
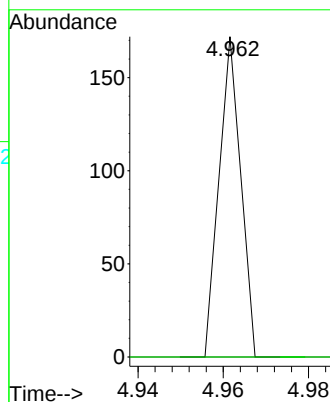
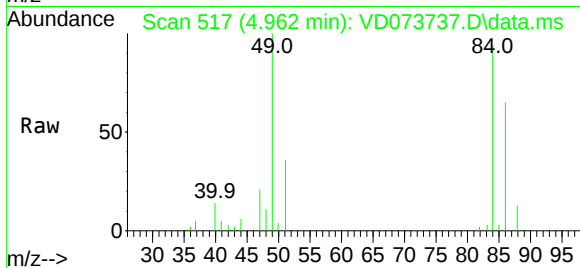
OR-03-062422

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.4#



#20

Methylene Chloride

Concen: 1.860 ug/l

RT: 4.950 min Scan# 515

Delta R.T. -0.011 min

Lab File: VD073737.D

Acq: 27 Jun 2022 22:52

Tgt Ion: 84 Resp: 28613

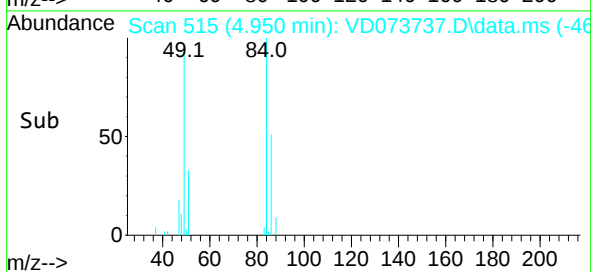
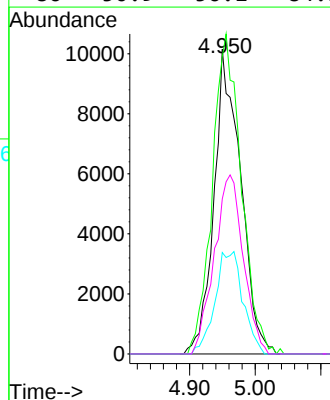
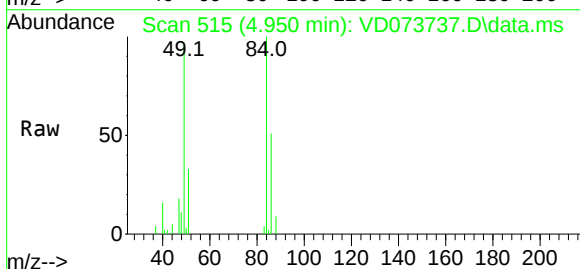
Ion Ratio Lower Upper

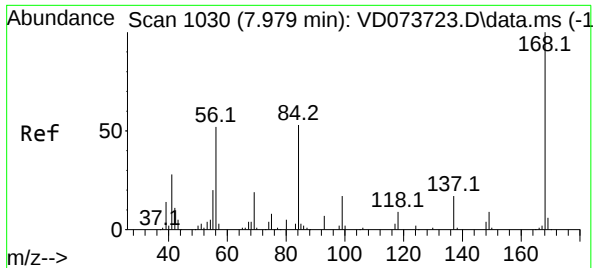
84 100

49 97.4 100.6 150.8#

51 33.3 29.8 44.6

86 50.9 56.1 84.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073737.D

Acq: 27 Jun 2022 22:52

Instrument :

MSVOA_D

ClientSampleId :

OR-03-062422

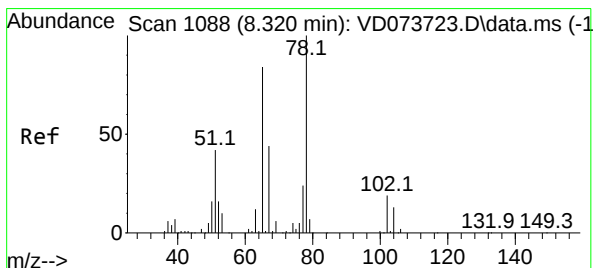
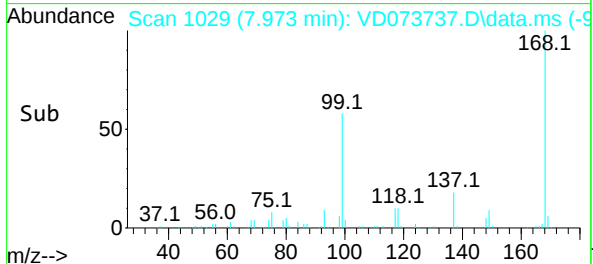
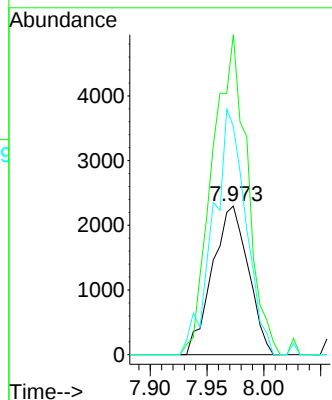
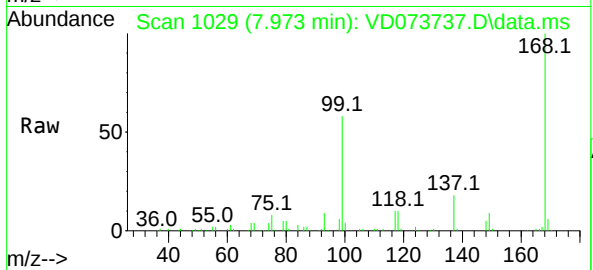
Tgt Ion: 56 Resp: 5038

Ion Ratio Lower Upper

56 100

69 215.3 25.2 37.8#

84 153.6 75.4 113.2#



#33

1,2-Dichloroethane-d4

Concen: 73.885 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073737.D

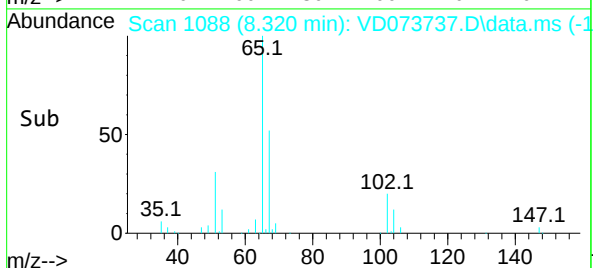
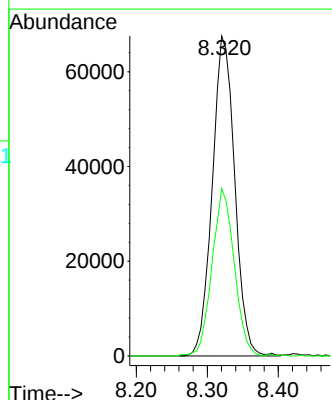
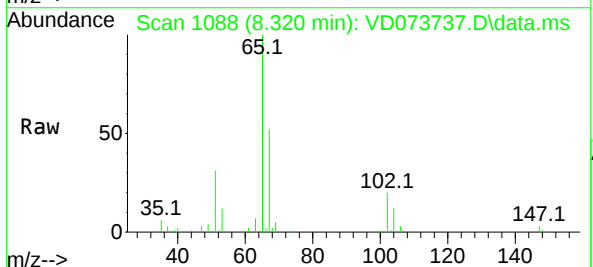
Acq: 27 Jun 2022 22:52

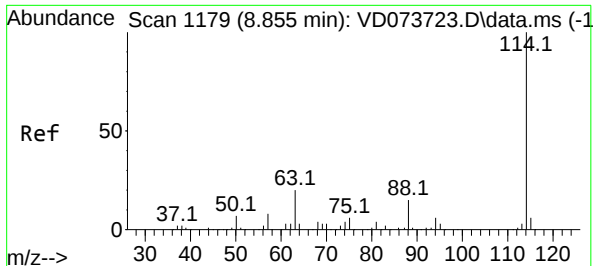
Tgt Ion: 65 Resp: 148249

Ion Ratio Lower Upper

65 100

67 51.7 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: VD073737.D

Acq: 27 Jun 2022 22:52

Instrument :

MSVOA_D

ClientSampleId :

OR-03-062422

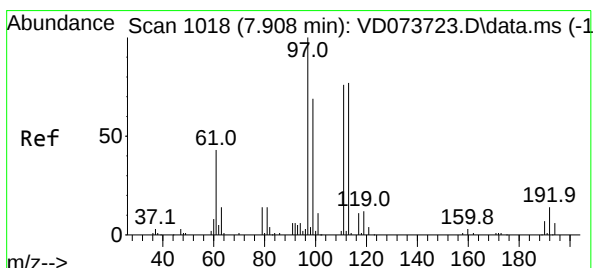
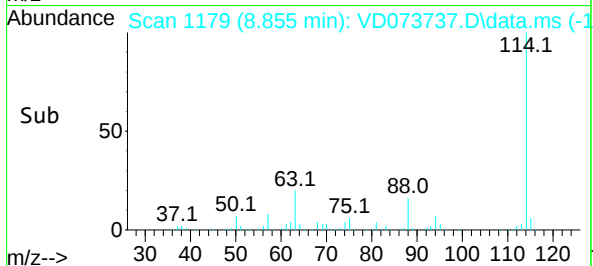
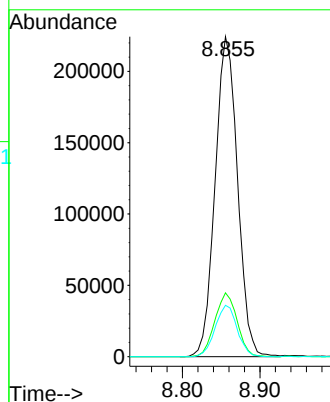
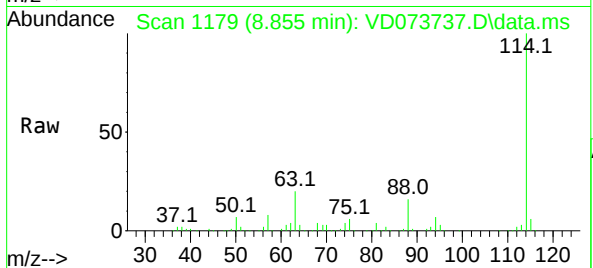
Tgt Ion:114 Resp: 450547

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 16.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 57.361 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073737.D

Acq: 27 Jun 2022 22:52

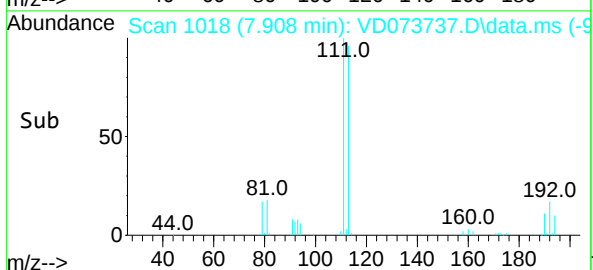
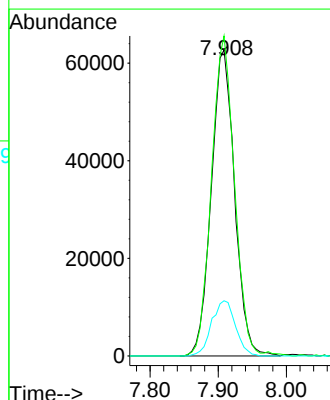
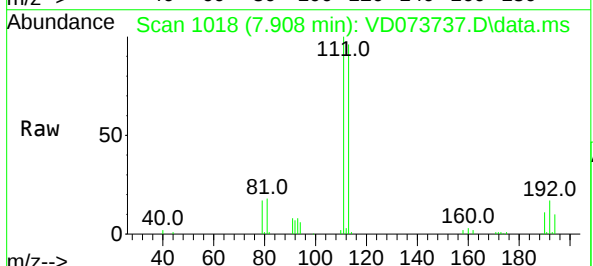
Tgt Ion:113 Resp: 149136

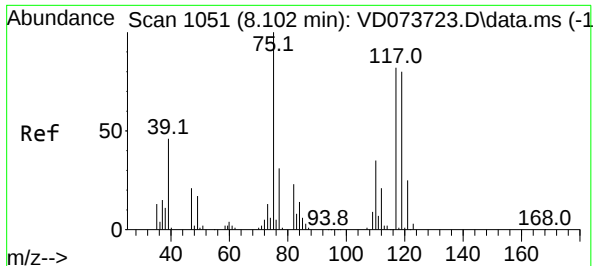
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.6

192 18.5 14.8 22.2





#36

1,1-Dichloropropene

Concen: 6.199 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073737.D

Acq: 27 Jun 2022 22:52

Instrument :

MSVOA_D

ClientSampleId :

OR-03-062422

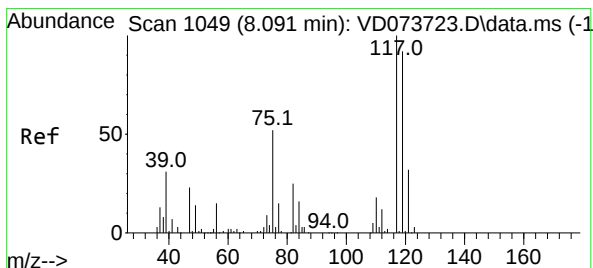
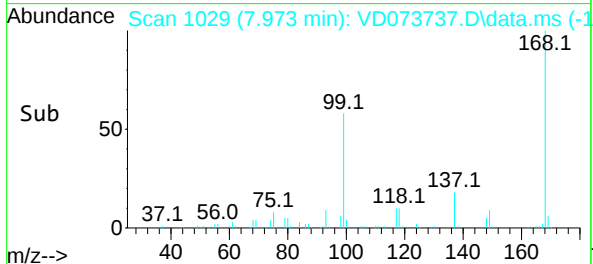
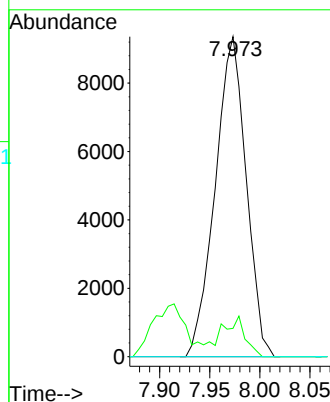
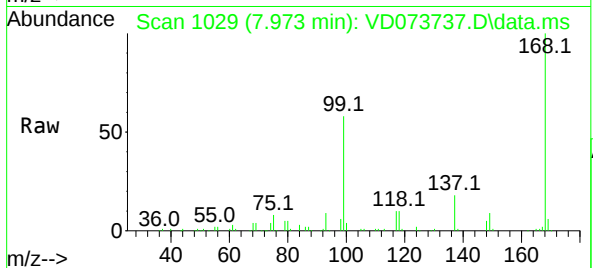
Tgt Ion: 75 Resp: 20075

Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 6.815 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073737.D

Acq: 27 Jun 2022 22:52

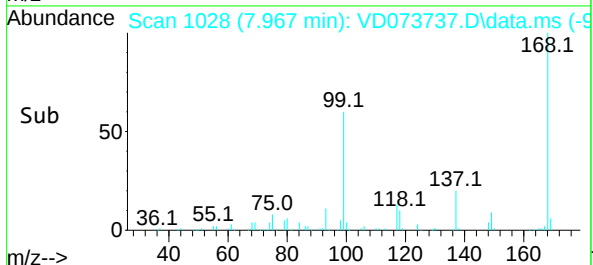
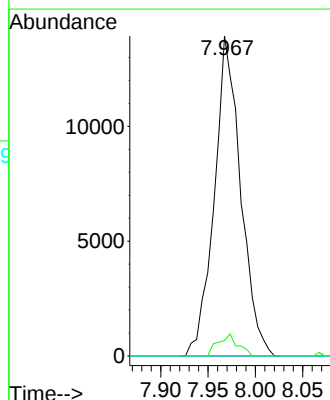
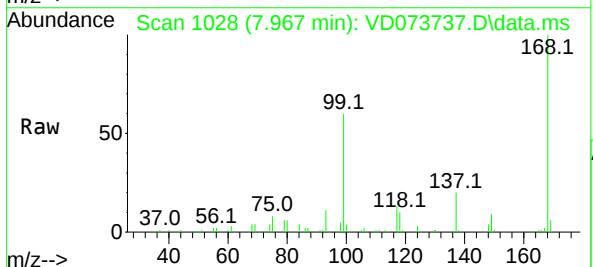
Tgt Ion: 117 Resp: 27048

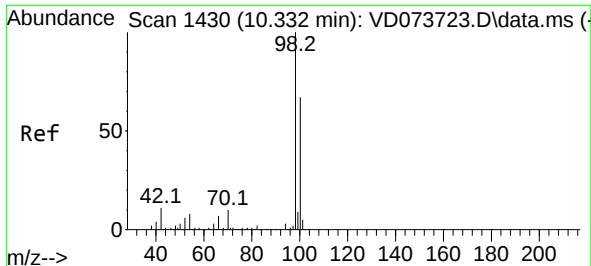
Ion Ratio Lower Upper

117 100

119 4.9 79.2 118.8#

121 0.0 23.8 35.8#

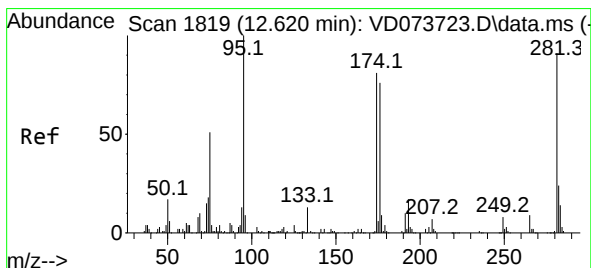
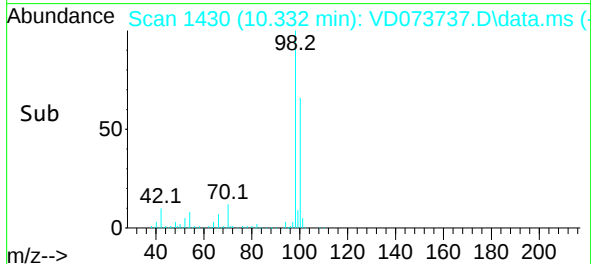
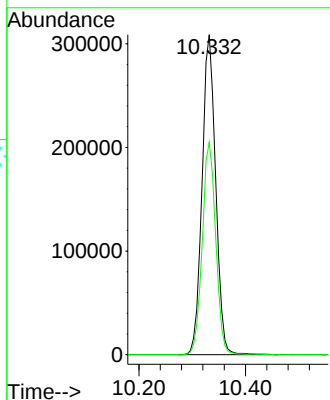
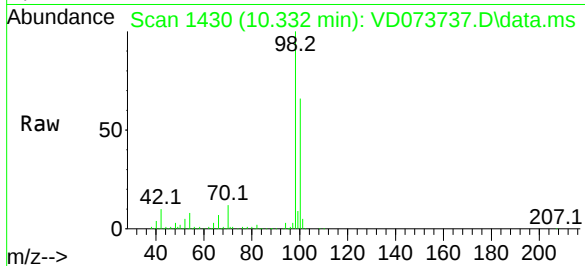




#50
Toluene-d8
Concen: 61.973 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

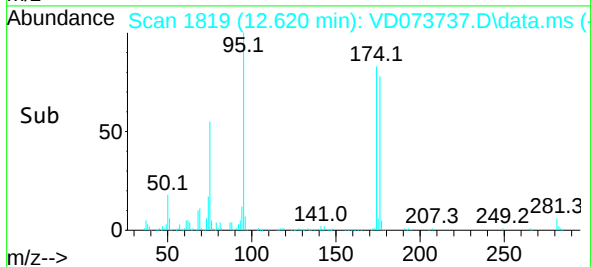
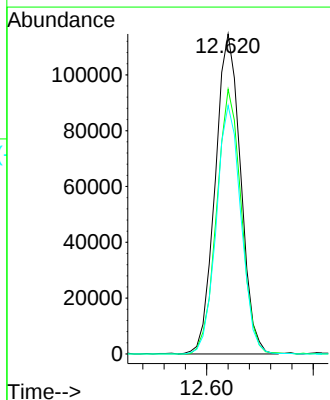
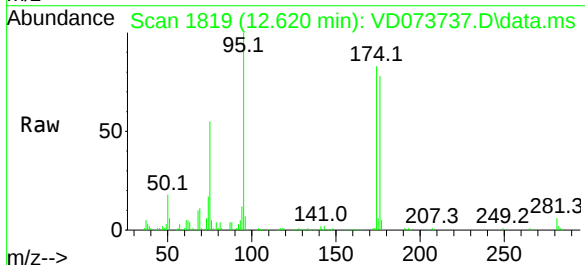
Instrument :
MSVOA_D
ClientSampleId :
OR-03-062422

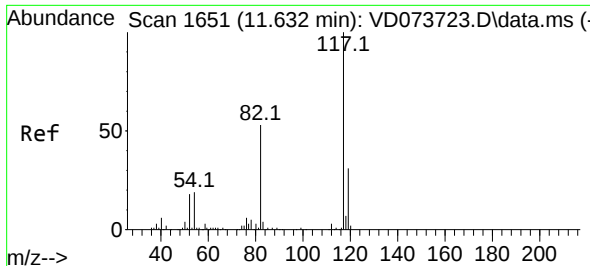
Tgt Ion: 98 Resp: 546378
Ion Ratio Lower Upper
98 100
100 65.8 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 52.218 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

Tgt Ion: 95 Resp: 189589
Ion Ratio Lower Upper
95 100
174 79.9 0.0 158.4
176 75.5 0.0 154.8

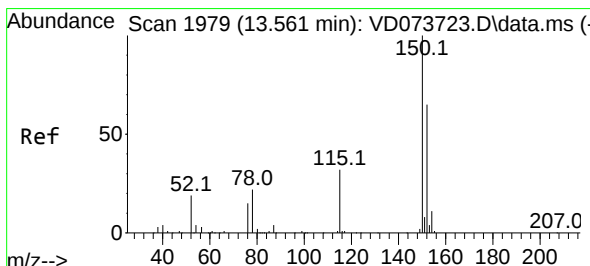
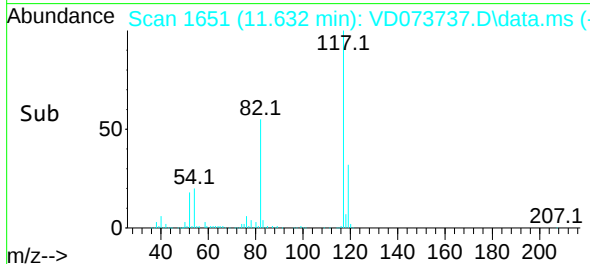
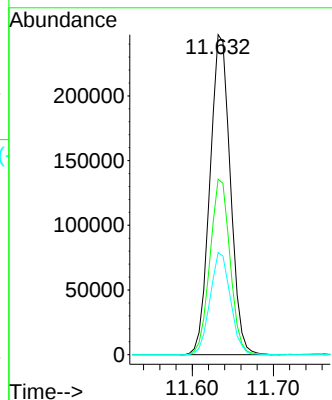
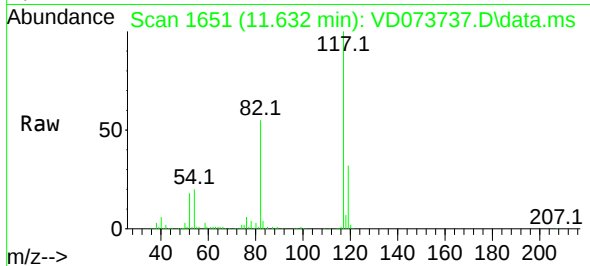




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

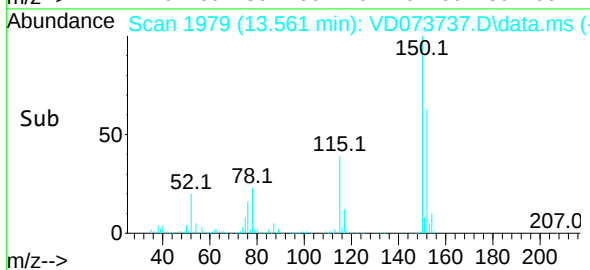
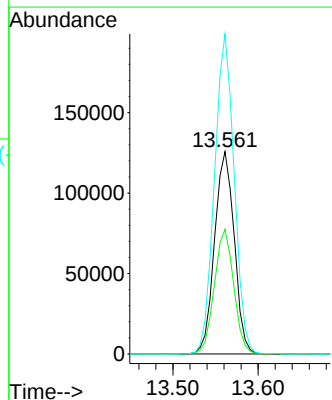
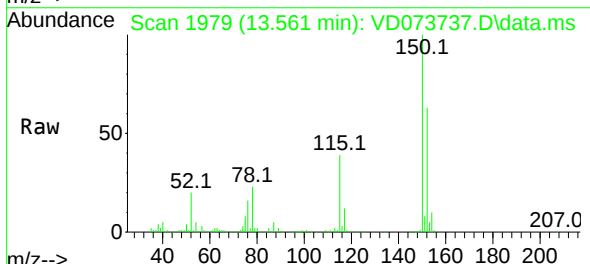
Instrument :
MSVOA_D
ClientSampleId :
OR-03-062422

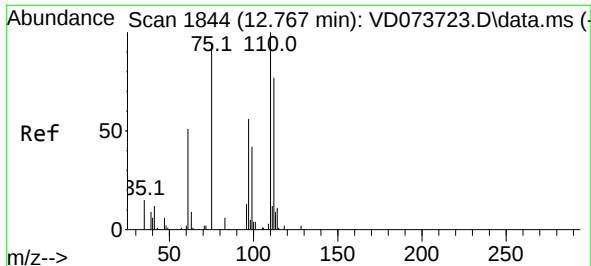
Tgt Ion:117 Resp: 431163
Ion Ratio Lower Upper
117 100
82 54.9 41.5 62.3
119 31.9 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

Tgt Ion:152 Resp: 201975
Ion Ratio Lower Upper
152 100
115 60.6 30.6 91.6
150 158.2 0.0 355.0

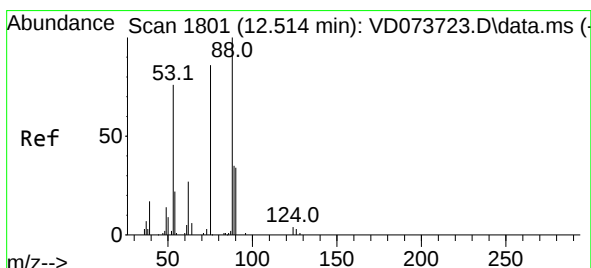
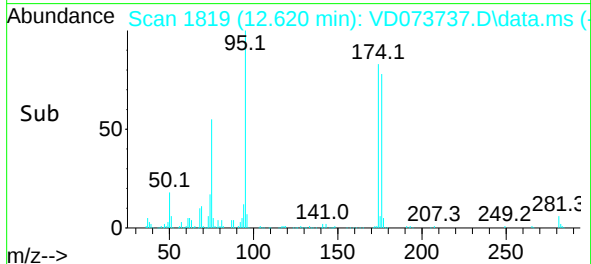
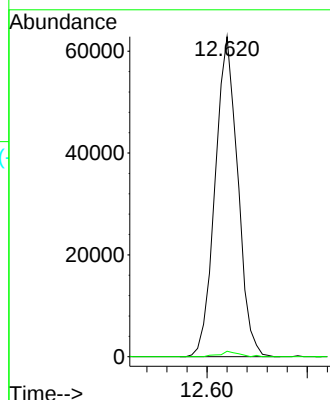
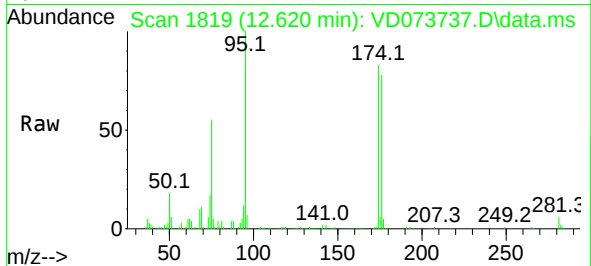




#76
1,2,3-Trichloropropane
Concen: 65.252 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

Instrument :
MSVOA_D
ClientSampleId :
OR-03-062422

Tgt Ion: 75 Resp: 98602
Ion Ratio Lower Upper
75 100
77 1.4 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.905 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073737.D
Acq: 27 Jun 2022 22:52

Tgt Ion: 75 Resp: 98602
Ion Ratio Lower Upper
75 100
53 0.2 77.0 115.6#
89 0.1 37.8 56.8#

