

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062722\
 Data File : VD073734.D
 Acq On : 27 Jun 2022 21:24
 Operator : VA/SY
 Sample : N3477-03RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-04-062322RE

Quant Time: Jun 28 02:13:08 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)

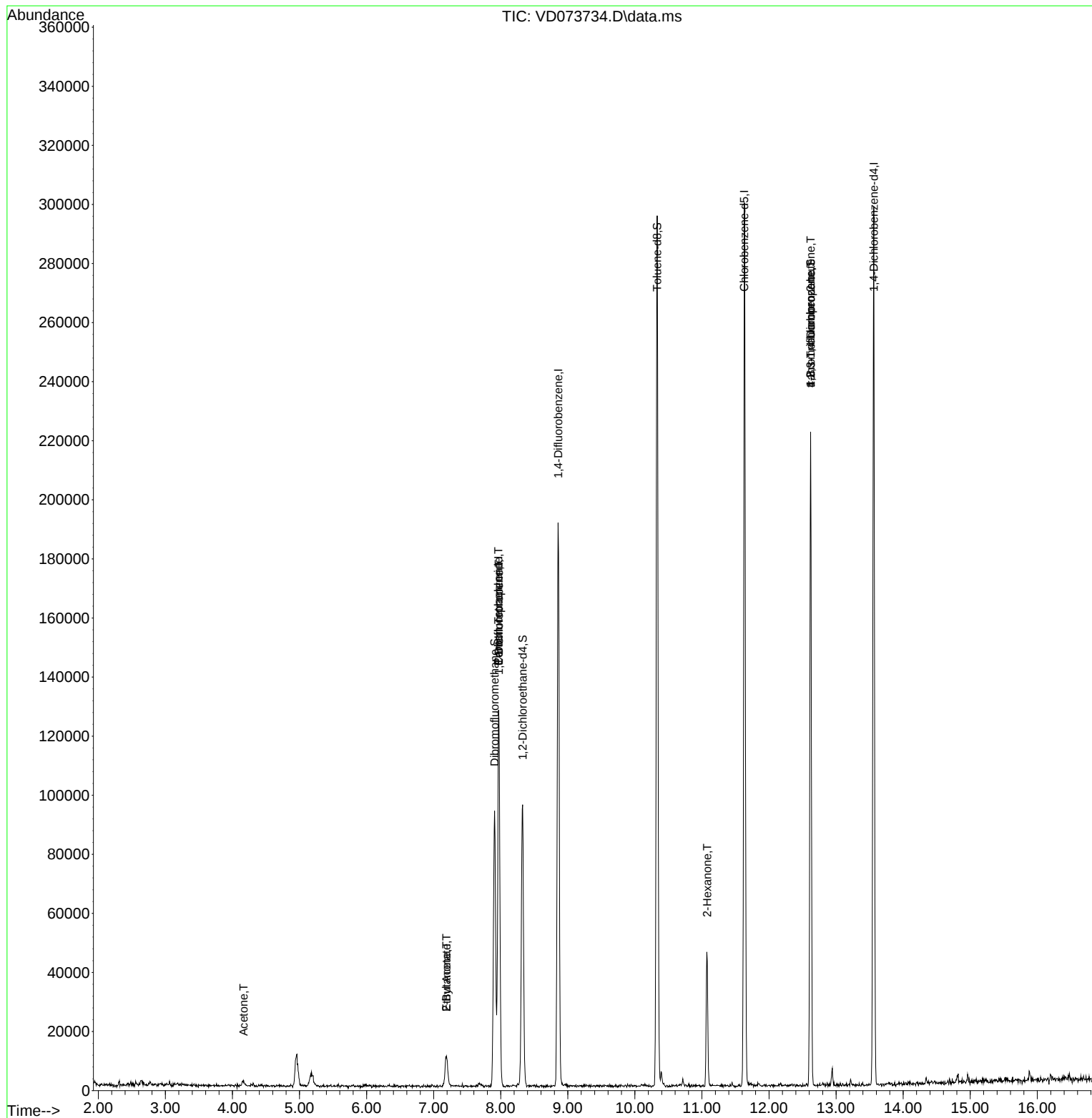
Internal Standards						
1) Pentafluorobenzene	7.967	168	91453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	167321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	170645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	77804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	80153	112.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 224.740%#	
35) Dibromofluoromethane	7.908	113	66066	68.423	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 136.840%	
50) Toluene-d8	10.332	98	202380	61.811	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 123.620%	
62) 4-Bromofluorobenzene	12.620	95	72801	53.993	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.980%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	761	Below Cal	#	74
11) Tert butyl alcohol	5.179	59	4819	Below Cal	#	100
16) Acetone	4.168	43	3125	21.505	ug/l #	70
25) 2-Butanone	7.191	43	750	3.467	ug/l #	47
31) Cyclohexane	7.979	56	2062	Below Cal	#	36
36) 1,1-Dichloropropene	7.973	75	7682	6.387	ug/l #	47
37) Ethyl Acetate	7.191	43	750	1.369	ug/l #	1
38) Carbon Tetrachloride	7.967	117	10614	7.201	ug/l #	11
59) 2-Hexanone	11.079	43	793	2.062	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	35083	60.270	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	35083	122.757	ug/l #	11

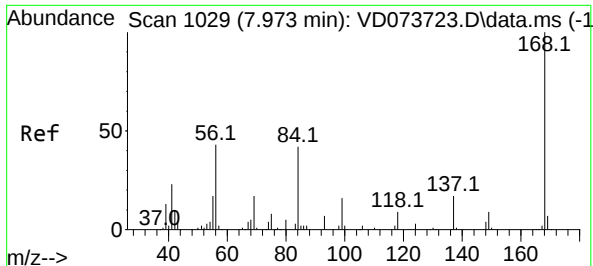
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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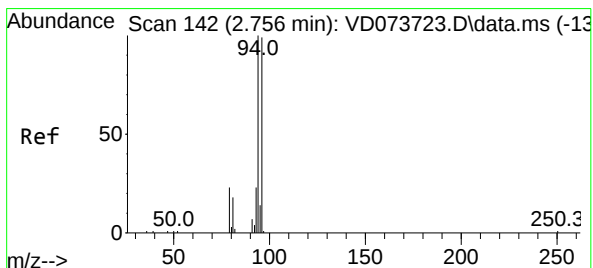
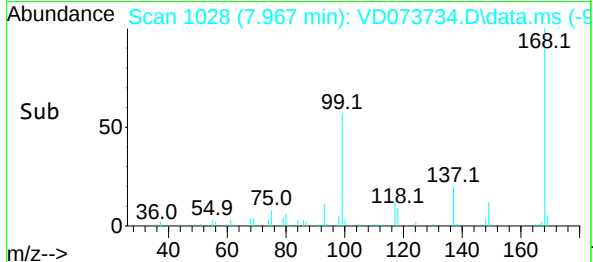
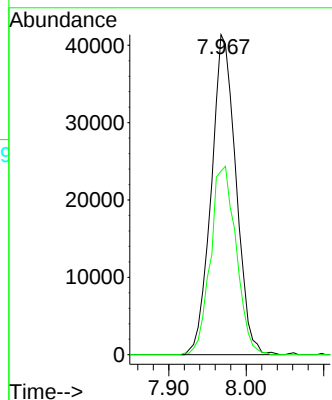
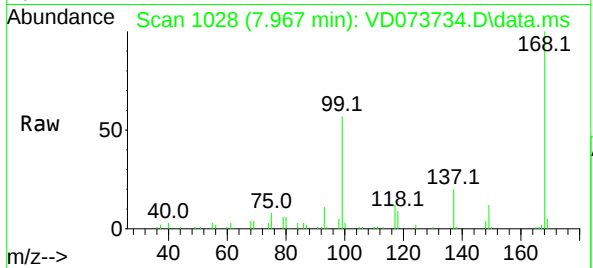




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

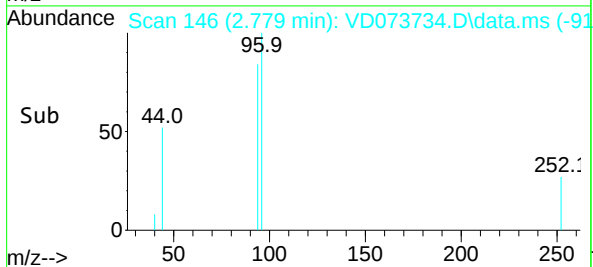
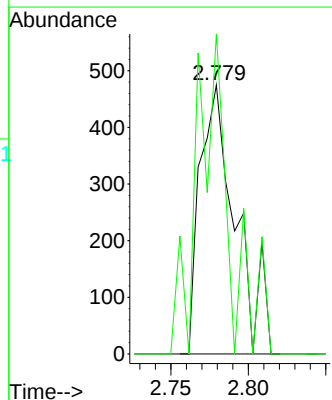
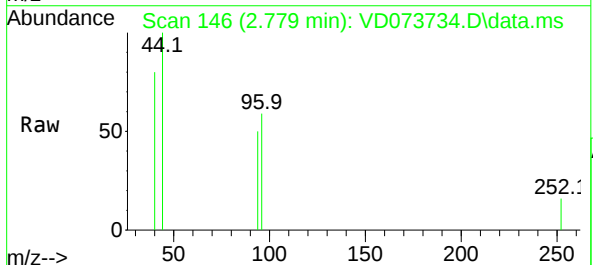
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322RE

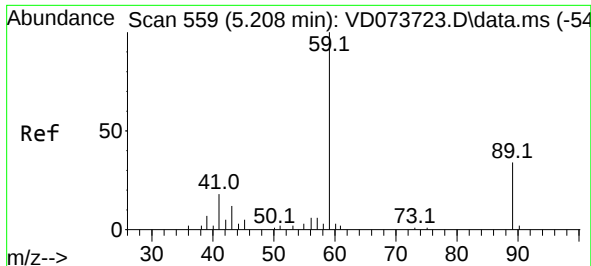
Tgt Ion:168 Resp: 91453
Ion Ratio Lower Upper
168 100
99 57.3 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.023 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

Tgt Ion: 94 Resp: 761
Ion Ratio Lower Upper
94 100
96 118.9 75.1 112.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.179 min Scan# 51

Delta R.T. -0.029 min

Lab File: VD073734.D

Acq: 27 Jun 2022 21:24

Instrument :

MSVOA_D

ClientSampleId :

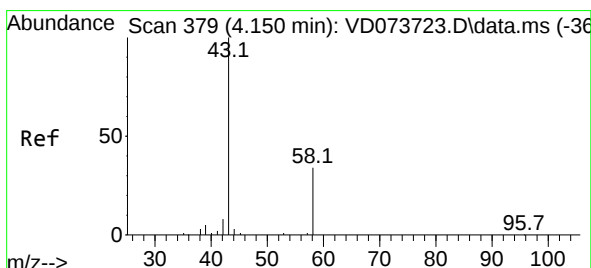
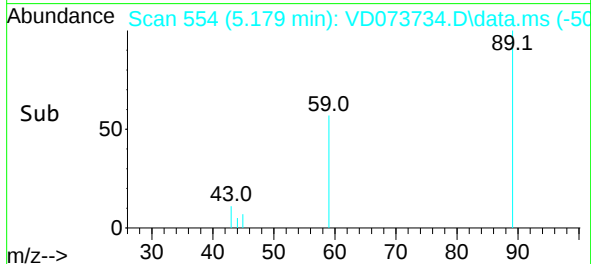
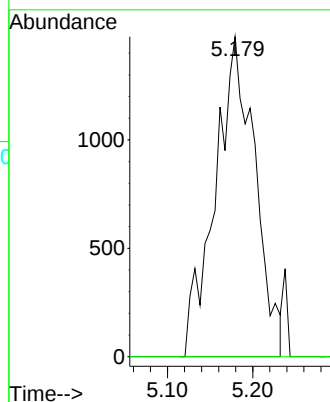
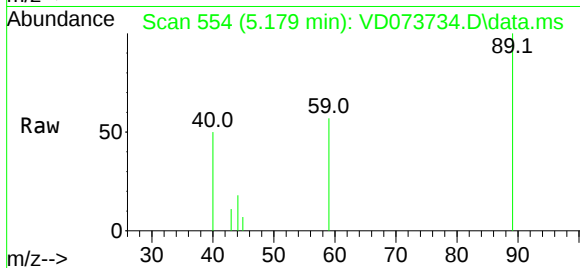
HR-04-062322RE

Tgt Ion: 59 Resp: 4819

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#16

Acetone

Concen: 21.505 ug/l

RT: 4.168 min Scan# 382

Delta R.T. 0.018 min

Lab File: VD073734.D

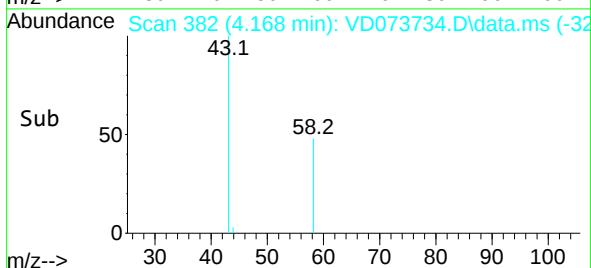
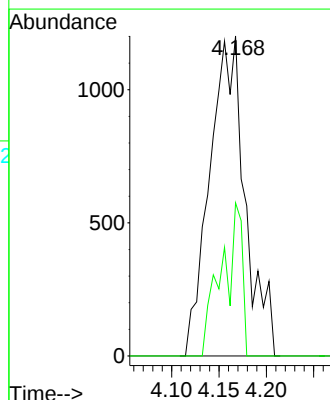
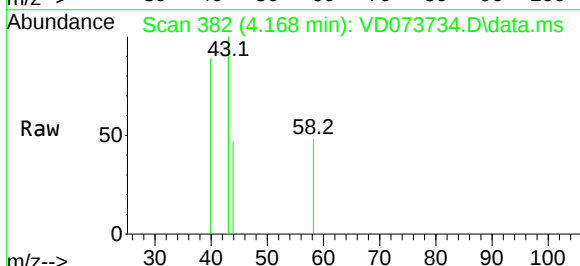
Acq: 27 Jun 2022 21:24

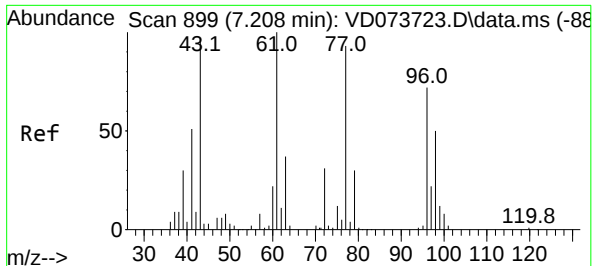
Tgt Ion: 43 Resp: 3125

Ion Ratio Lower Upper

43 100

58 47.8 25.2 37.8#

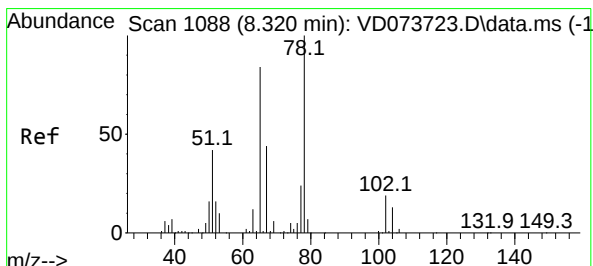
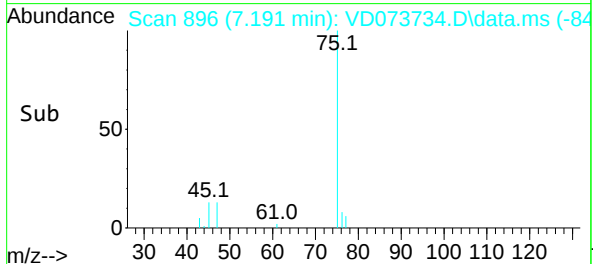
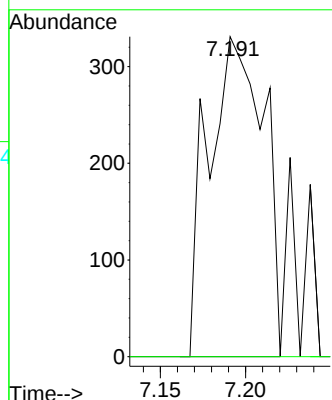
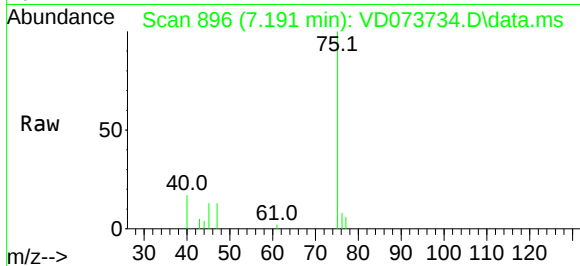




#25
2-Butanone
Concen: 3.467 ug/l
RT: 7.191 min Scan# 899
Delta R.T. -0.017 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

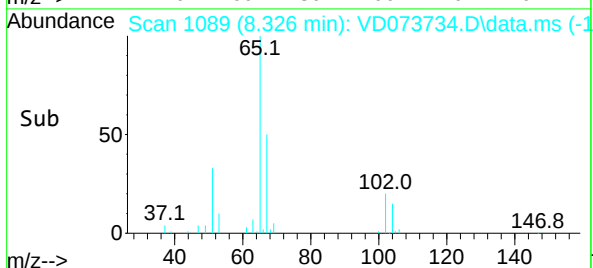
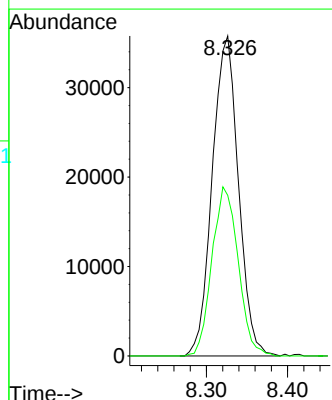
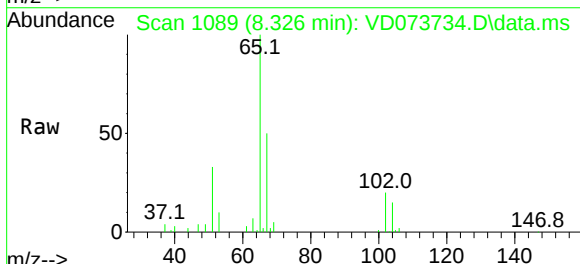
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322RE

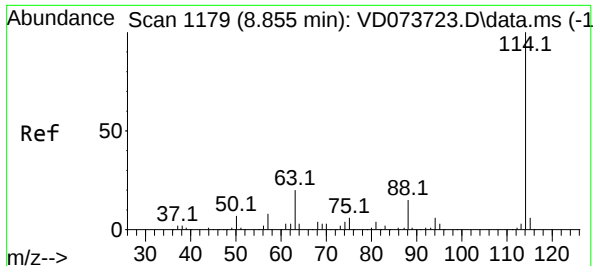
Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#33
1,2-Dichloroethane-d4
Concen: 112.370 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

Tgt Ion: 65 Resp: 80153
Ion Ratio Lower Upper
65 100
67 53.0 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: VD073734.D

Acq: 27 Jun 2022 21:24

Instrument :

MSVOA_D

ClientSampleId :

HR-04-062322RE

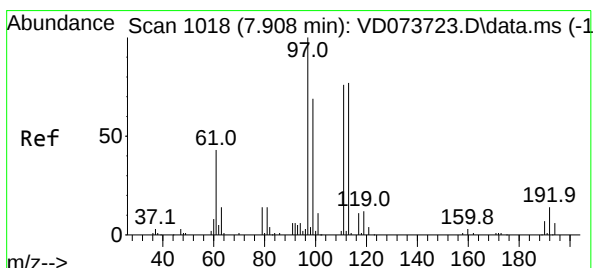
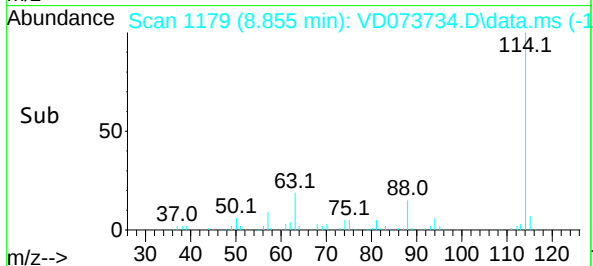
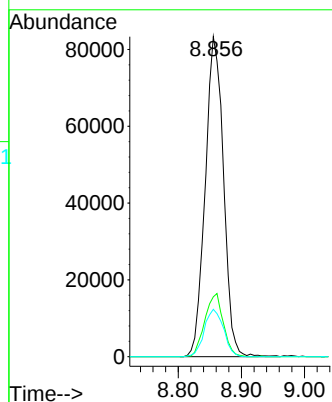
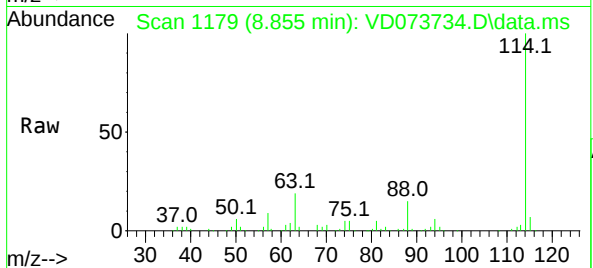
Tgt Ion:114 Resp: 167321

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

88 14.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 68.423 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073734.D

Acq: 27 Jun 2022 21:24

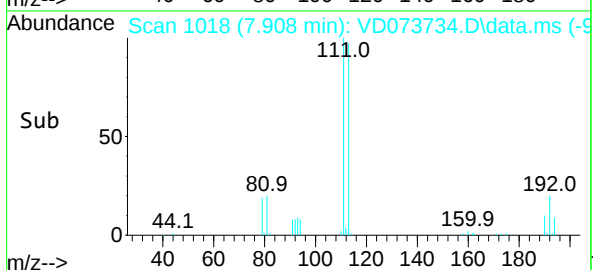
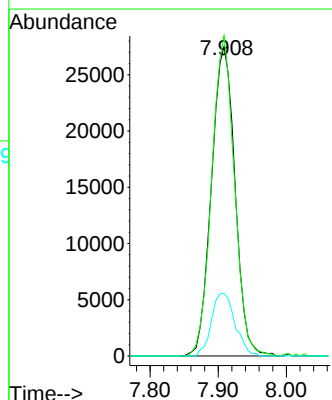
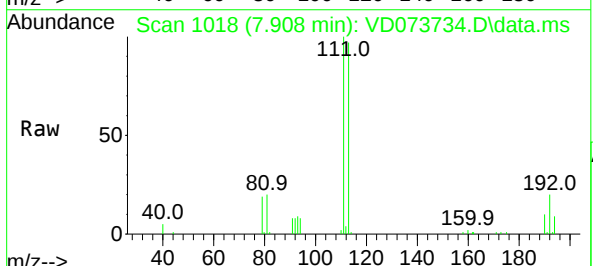
Tgt Ion:113 Resp: 66066

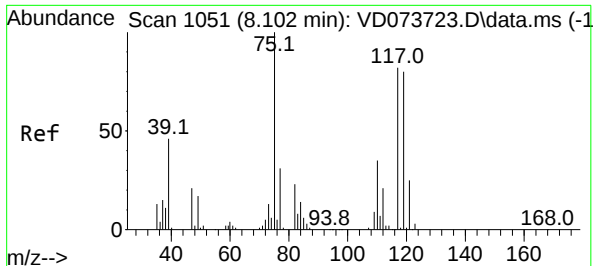
Ion Ratio Lower Upper

113 100

111 99.7 81.8 122.6

192 20.2 14.8 22.2

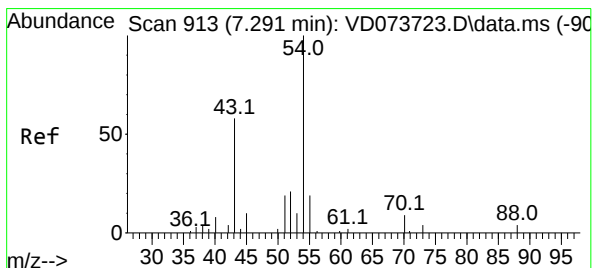
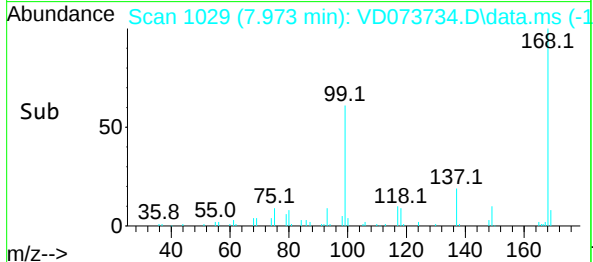
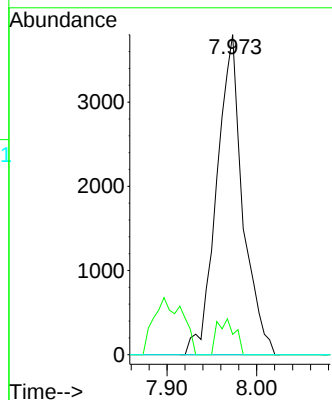
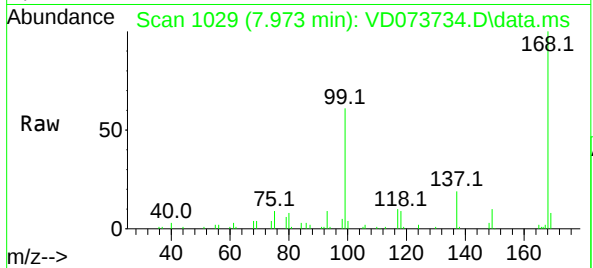




#36
1,1-Dichloropropene
Concen: 6.387 ug/l
RT: 7.973 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

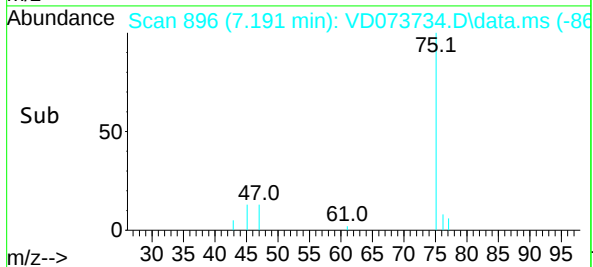
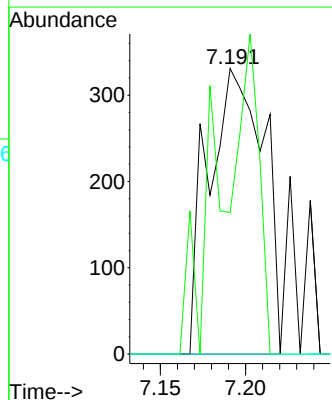
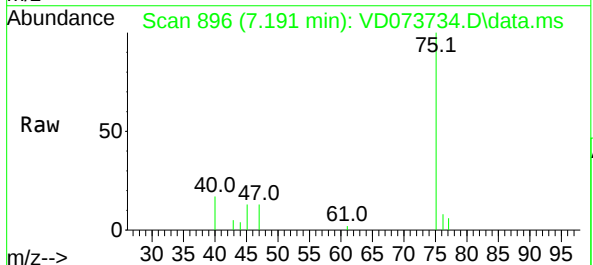
Instrument :
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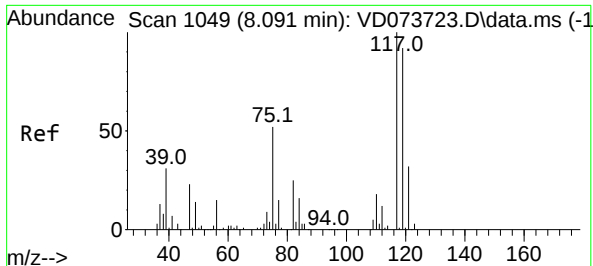
Tgt Ion: 75 Resp: 7682
Ion Ratio Lower Upper
75 100
110 7.7 18.0 54.0#
77 0.0 25.6 38.4#



#37
Ethyl Acetate
Concen: 1.369 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.100 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
61 78.0 10.6 16.0#
70 0.0 9.9 14.9#

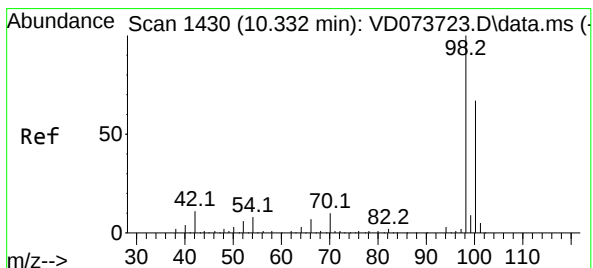
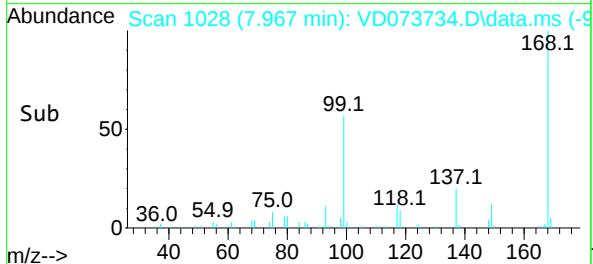
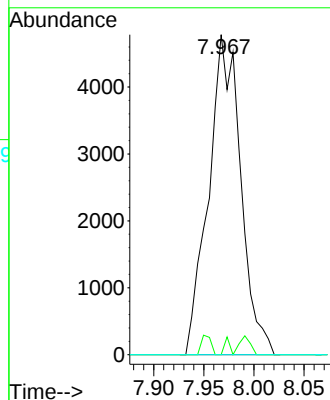
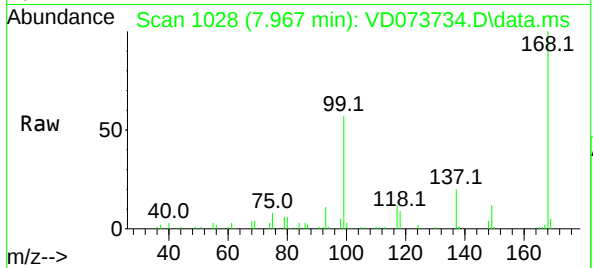




#38
Carbon Tetrachloride
Concen: 7.201 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

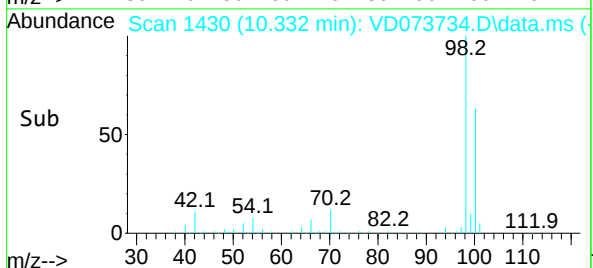
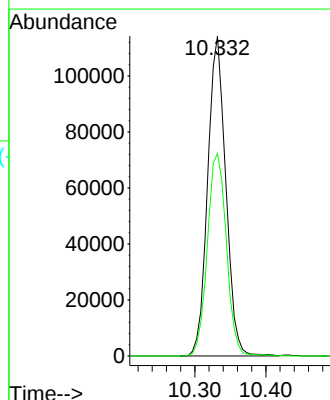
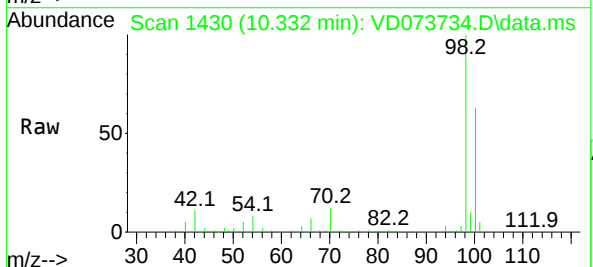
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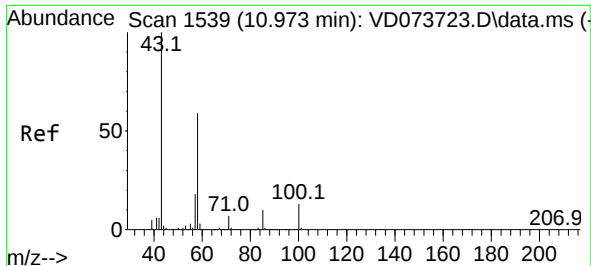
Tgt Ion:117 Resp: 10614
Ion Ratio Lower Upper
117 100
119 0.0 79.2 118.8#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 61.811 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

Tgt Ion: 98 Resp: 202380
Ion Ratio Lower Upper
98 100
100 66.5 54.0 81.0

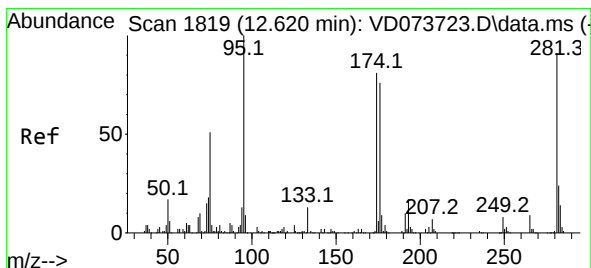
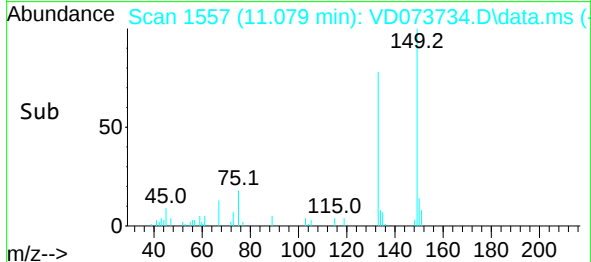
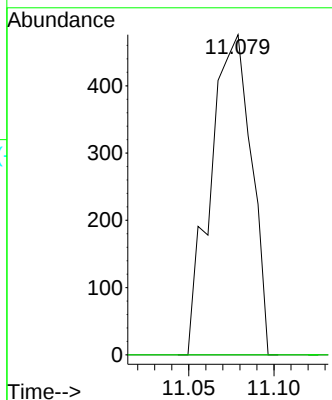
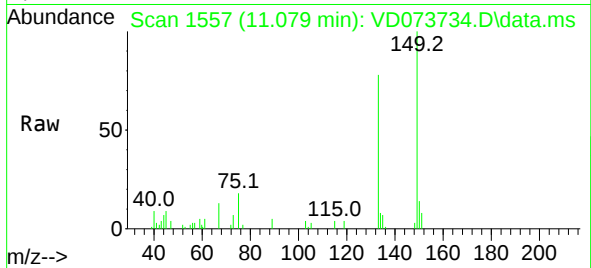




#59
2-Hexanone
Concen: 2.062 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

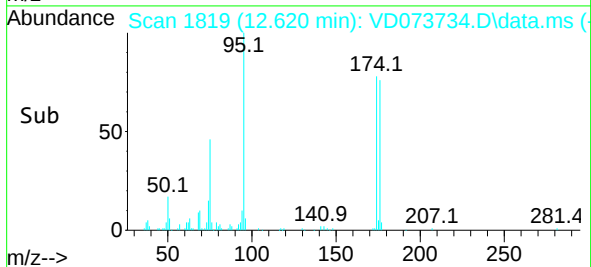
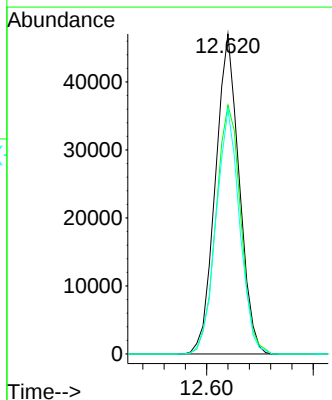
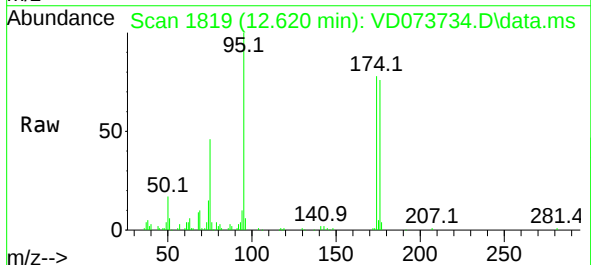
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322RE

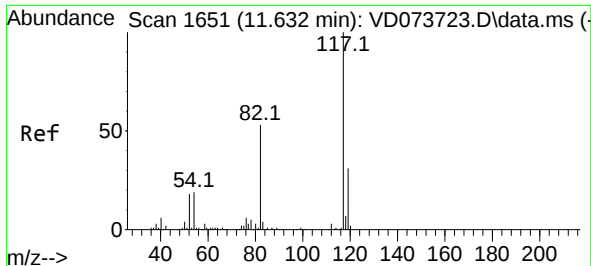
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
58 0.0 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 53.993 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

Tgt Ion: 95 Resp: 72801
Ion Ratio Lower Upper
95 100
174 81.4 0.0 158.4
176 75.9 0.0 154.8

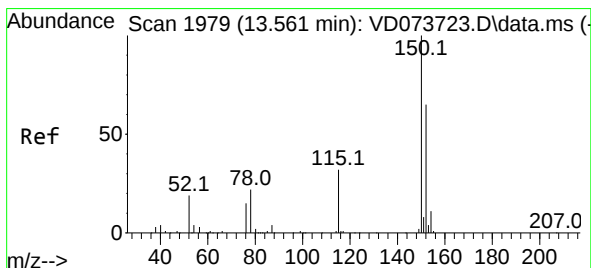
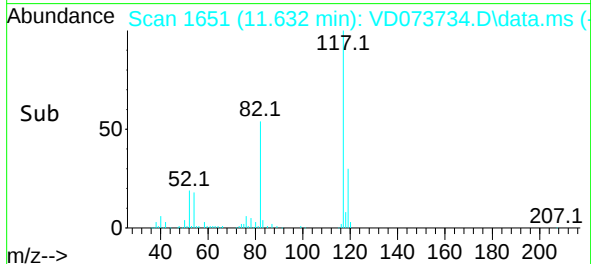
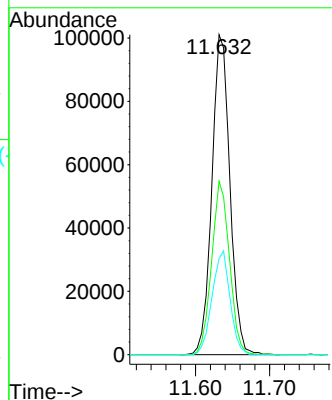
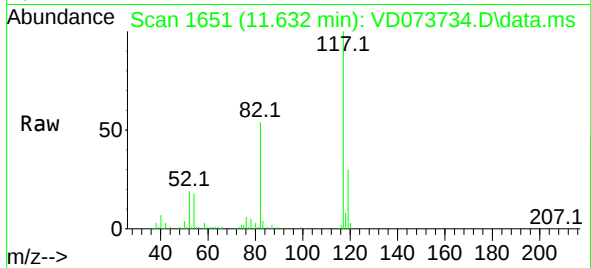




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

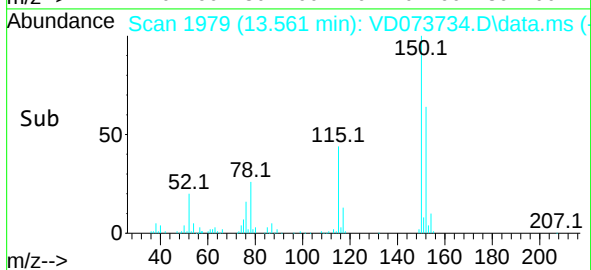
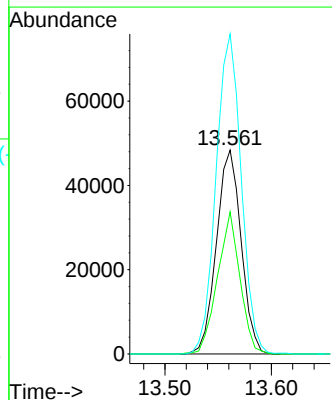
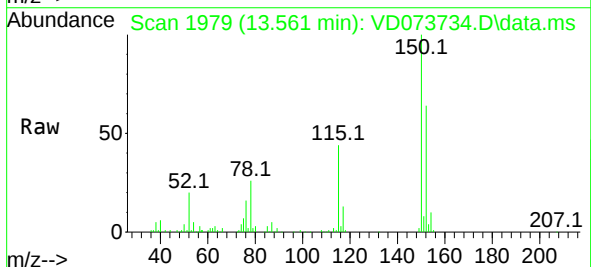
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322RE

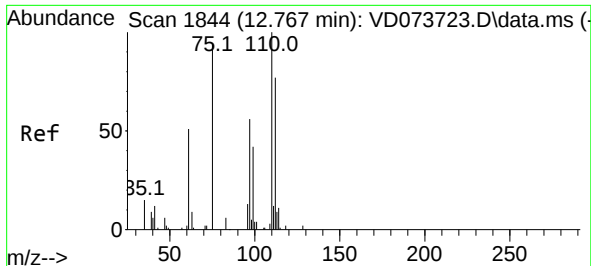
Tgt Ion:117 Resp: 170645
Ion Ratio Lower Upper
117 100
82 54.2 41.5 62.3
119 30.0 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

Tgt Ion:152 Resp: 77804
Ion Ratio Lower Upper
152 100
115 63.4 30.6 91.6
150 160.2 0.0 355.0

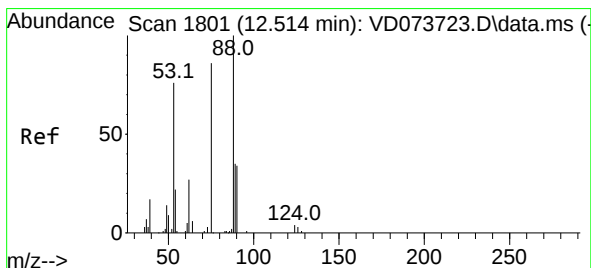
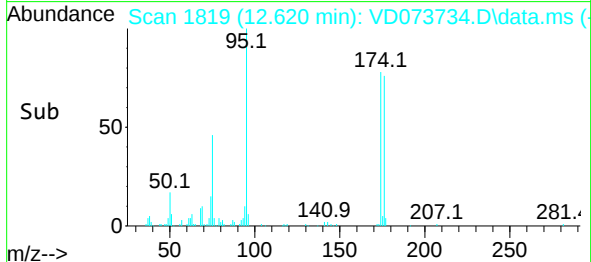
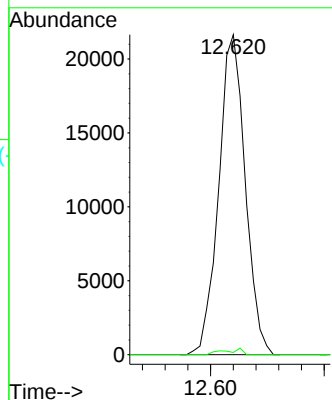
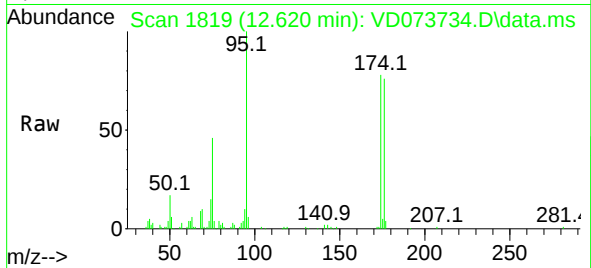




#76
1,2,3-Trichloropropane
Concen: 60.270 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322RE

Tgt Ion: 75 Resp: 35083
Ion Ratio Lower Upper
75 100
77 1.3 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.757 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073734.D
Acq: 27 Jun 2022 21:24

Tgt Ion: 75 Resp: 35083
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.6#
89 0.2 37.8 56.8#

