

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072832.D
 Acq On : 06 May 2022 03:12
 Operator : VA/SY
 Sample : N2680-05
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B3-0-2

Quant Time: May 06 03:55:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

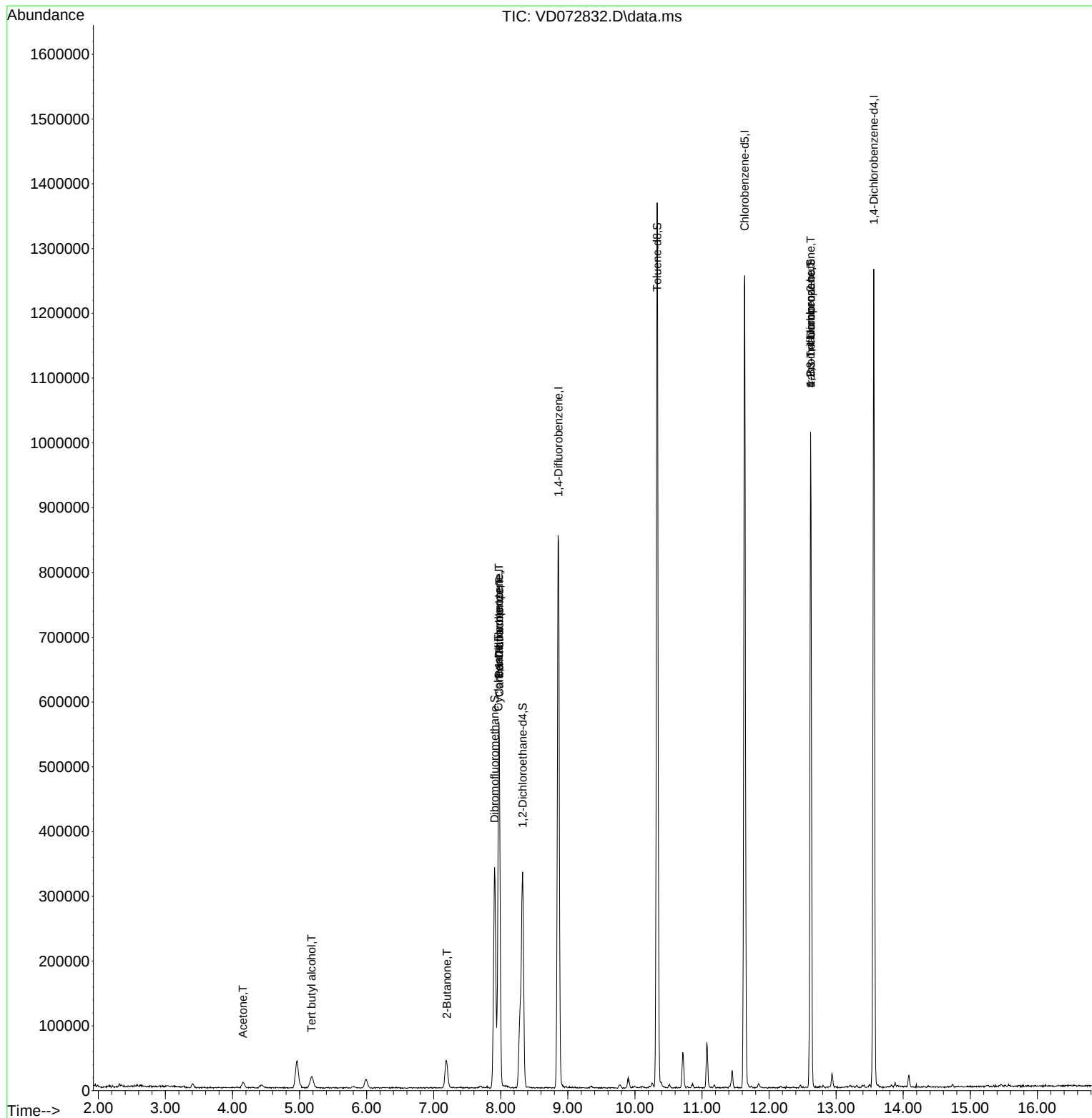
Internal Standards						
1) Pentafluorobenzene	7.973	168	401532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	732363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	696893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	303955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	258276	49.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.100%		
35) Dibromofluoromethane	7.908	113	240770	46.811	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.620%		
50) Toluene-d8	10.332	98	875603	47.458	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.920%		
62) 4-Bromofluorobenzene	12.620	95	315451	45.853	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.700%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1006	Below Cal	#	73
11) Tert butyl alcohol	5.179	59	17096	37.910	ug/l #	75
16) Acetone	4.156	43	15480	2.039	ug/l #	77
18) Methyl Acetate	4.797	43	173	Below Cal	#	55
20) Methylene Chloride	4.950	84	31151	Below Cal		86
25) 2-Butanone	7.197	43	3139	2.067	ug/l #	52
31) Cyclohexane	7.967	56	10798	1.185	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	35517	4.247	ug/l #	51
38) Carbon Tetrachloride	7.979	117	42661	4.914	ug/l #	19
76) 1,2,3-Trichloropropane	12.620	75	169762	50.088	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	169762	115.181	ug/l #	7

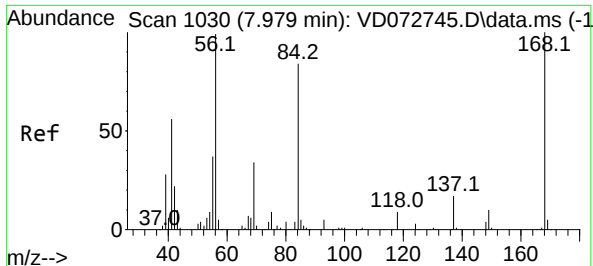
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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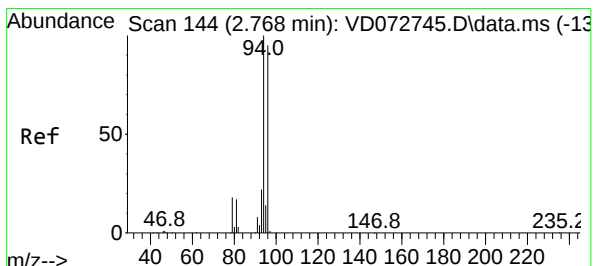
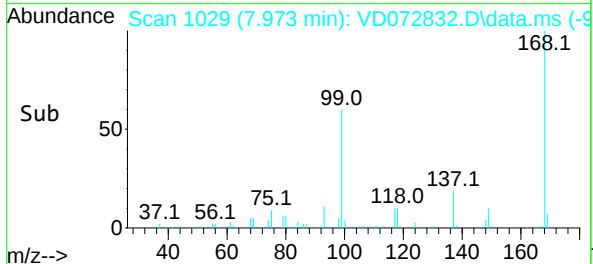
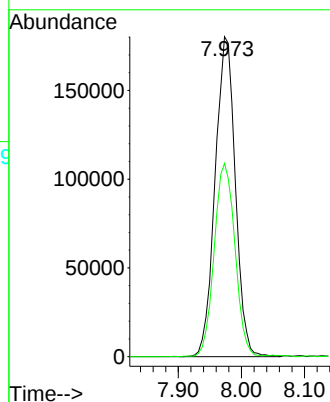
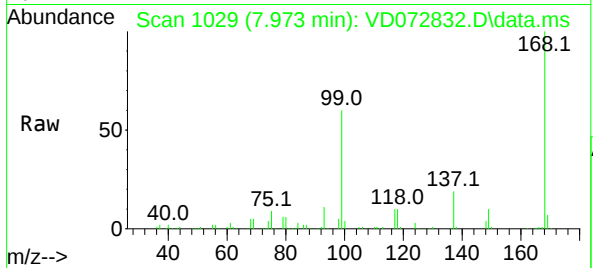




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072832.D
Acq: 06 May 2022 03:12

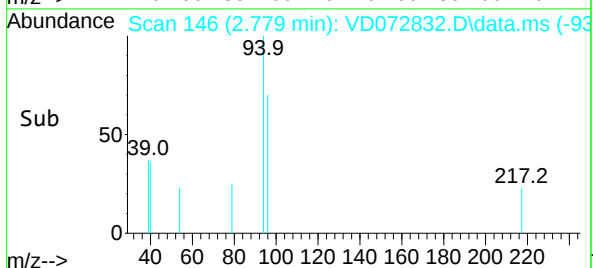
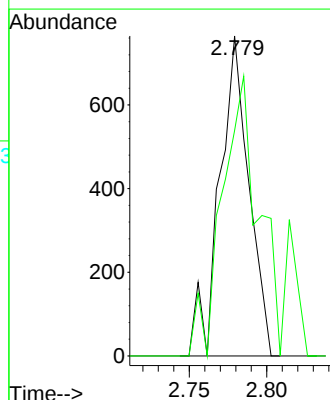
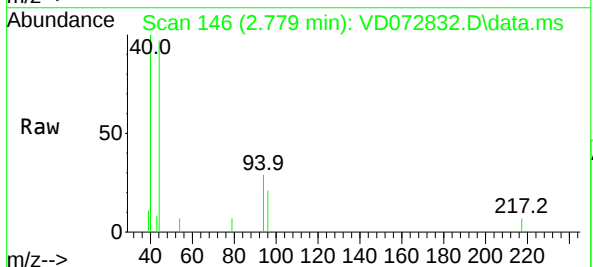
Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

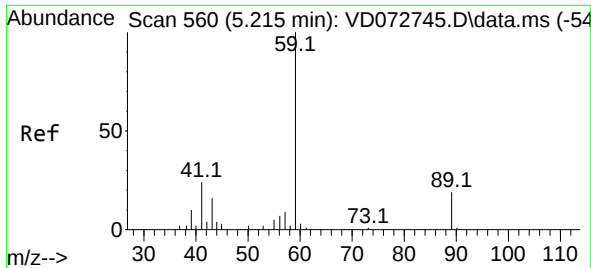
Tgt Ion:168 Resp: 401532
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072832.D
Acq: 06 May 2022 03:12

Tgt Ion: 94 Resp: 1006
Ion Ratio Lower Upper
94 100
96 70.5 77.6 116.4#





#11

Tert butyl alcohol

Concen: 37.910 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD072832.D

Acq: 06 May 2022 03:12

Instrument :

MSVOA_D

ClientSampleId :

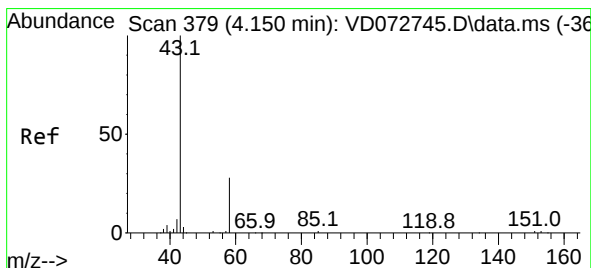
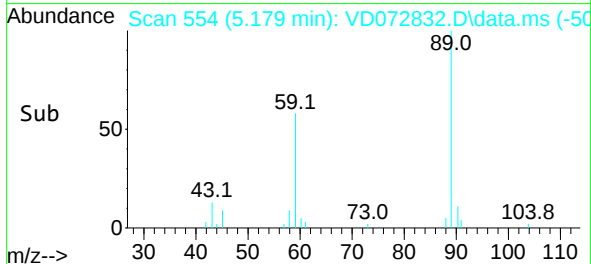
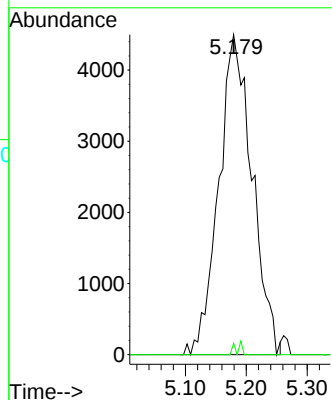
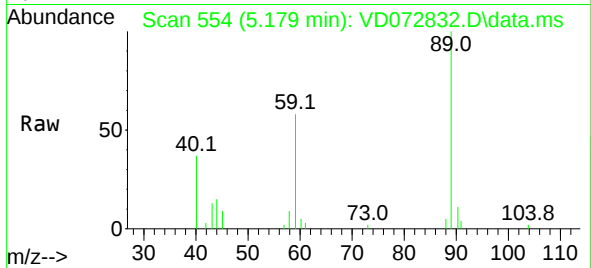
B3-0-2

Tgt Ion: 59 Resp: 17096

Ion Ratio Lower Upper

59 100

57 0.3 7.8 11.6#



#16

Acetone

Concen: 2.039 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD072832.D

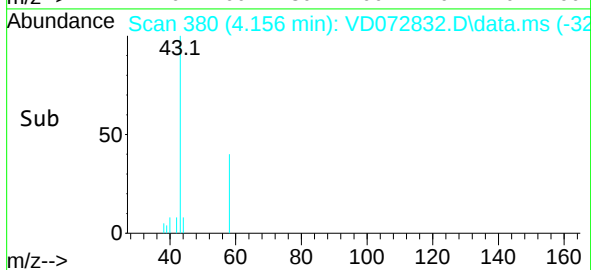
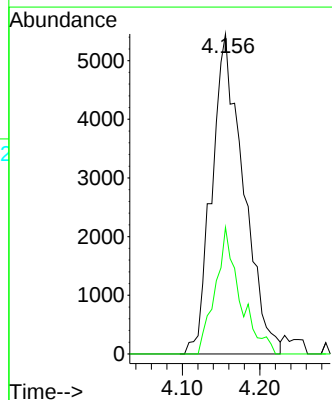
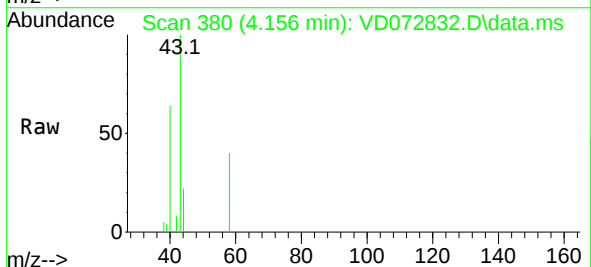
Acq: 06 May 2022 03:12

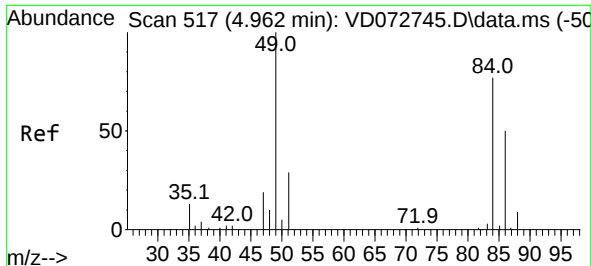
Tgt Ion: 43 Resp: 15480

Ion Ratio Lower Upper

43 100

58 39.5 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.950 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD072832.D

Acq: 06 May 2022 03:12

Instrument :

MSVOA_D

ClientSampleId :

B3-0-2

Tgt Ion: 84 Resp: 31151

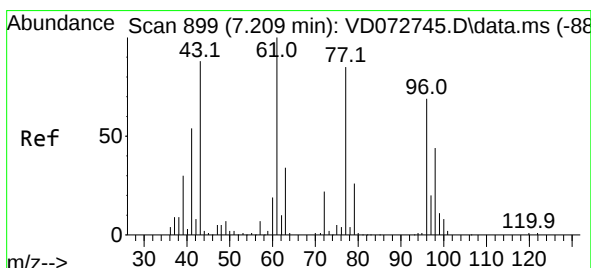
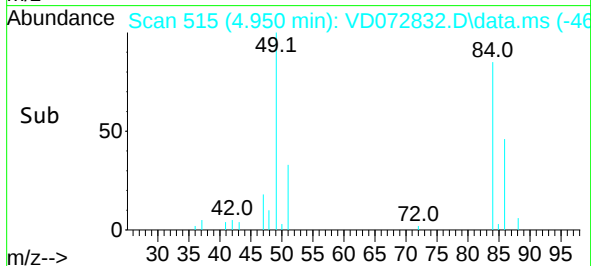
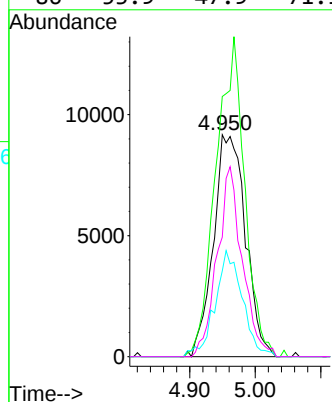
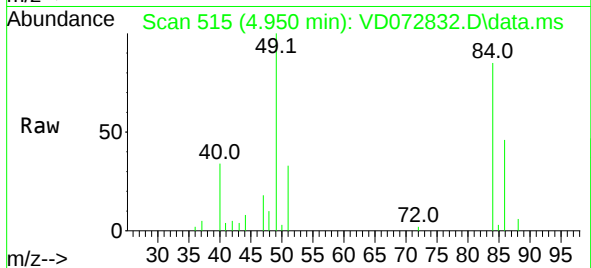
Ion Ratio Lower Upper

84 100

49 117.3 112.8 169.2

51 38.6 32.6 48.8

86 53.9 47.9 71.9



#25

2-Butanone

Concen: 2.067 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.012 min

Lab File: VD072832.D

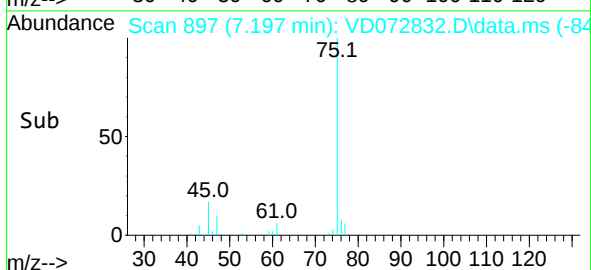
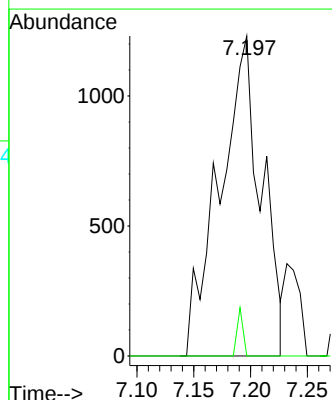
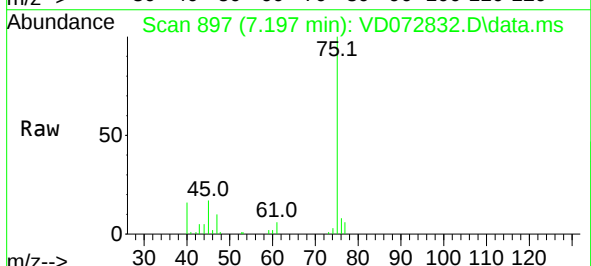
Acq: 06 May 2022 03:12

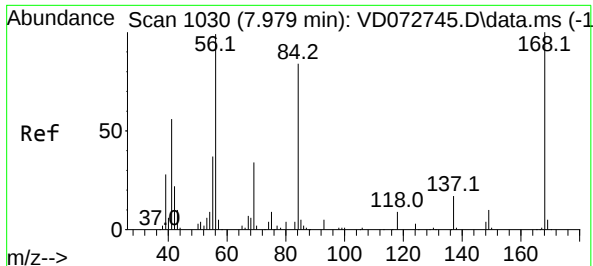
Tgt Ion: 43 Resp: 3139

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD072832.D

Acq: 06 May 2022 03:12

Instrument :

MSVOA_D

ClientSampleId :

B3-0-2

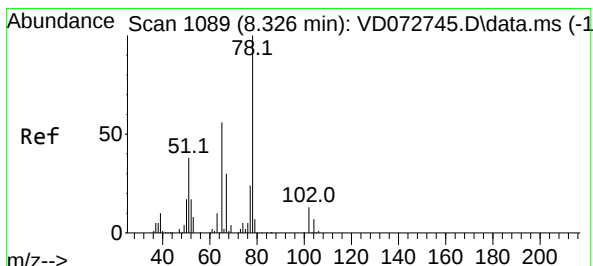
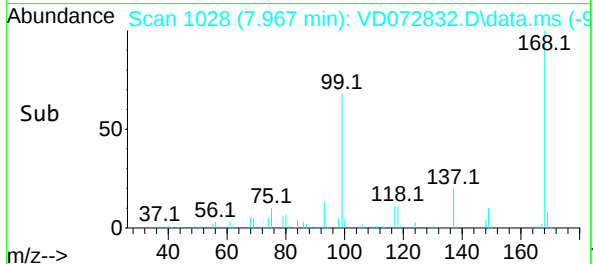
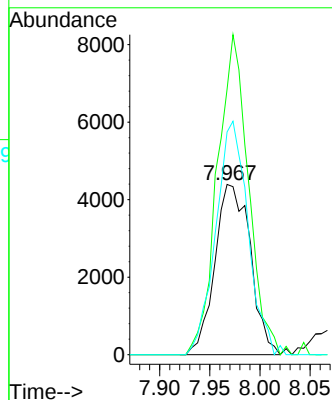
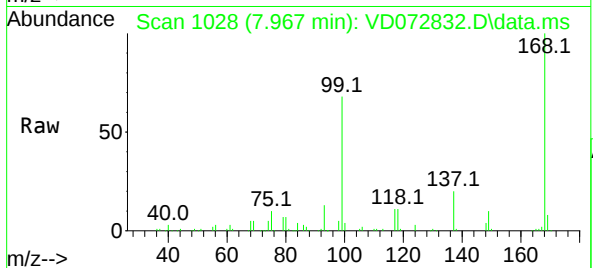
Tgt Ion: 56 Resp: 10798

Ion Ratio Lower Upper

56 100

69 156.0 25.4 38.2#

84 130.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 49.552 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072832.D

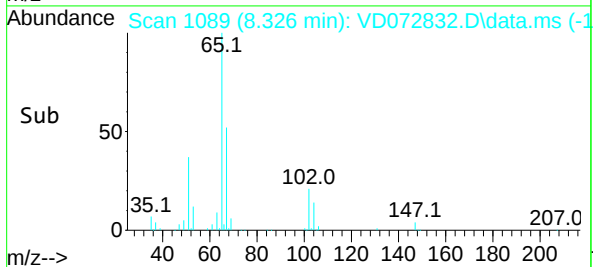
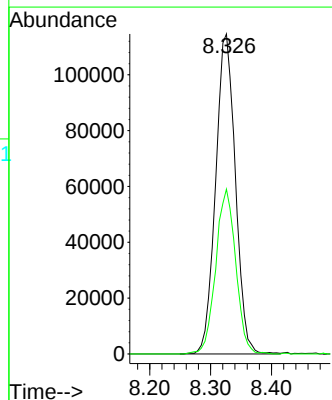
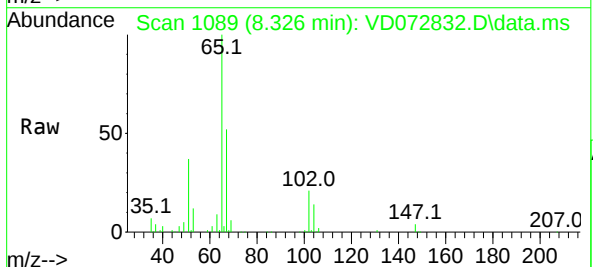
Acq: 06 May 2022 03:12

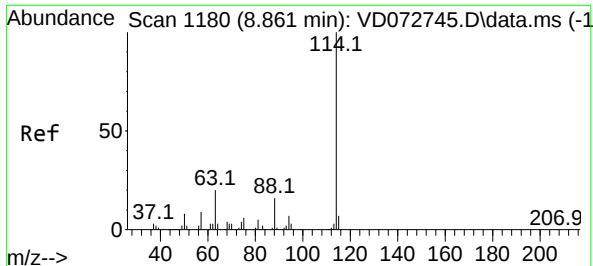
Tgt Ion: 65 Resp: 258276

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072832.D

Acq: 06 May 2022 03:12

Instrument :

MSVOA_D

ClientSampleId :

B3-0-2

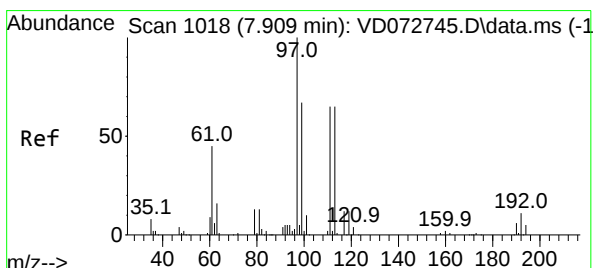
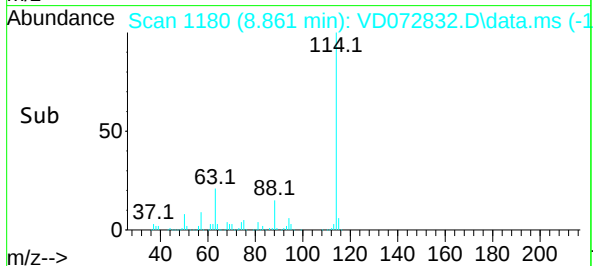
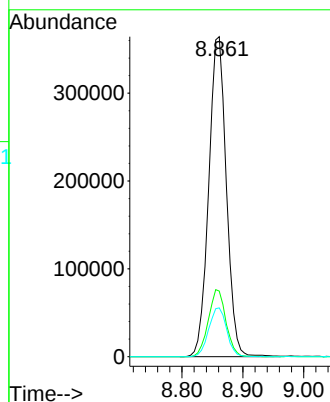
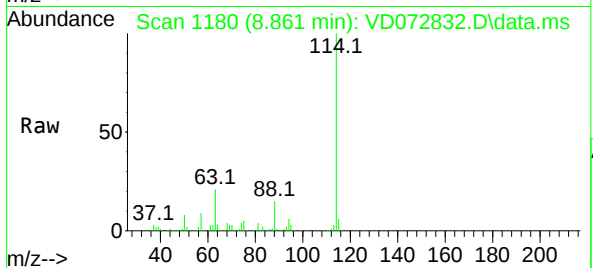
Tgt Ion:114 Resp: 732363

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.811 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072832.D

Acq: 06 May 2022 03:12

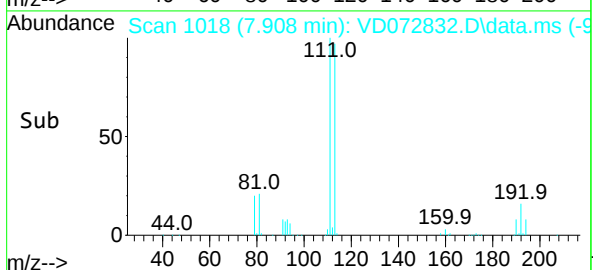
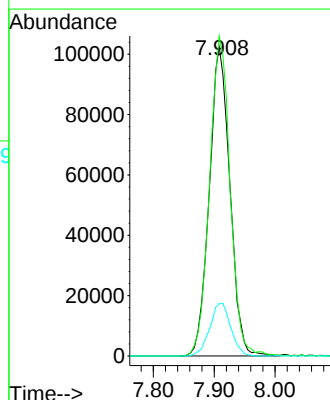
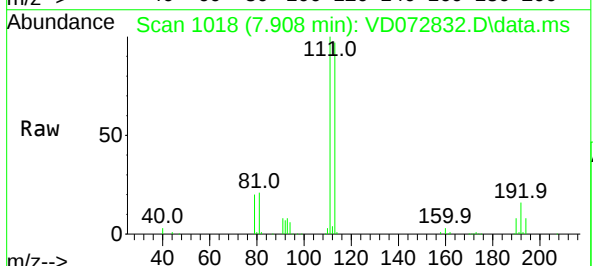
Tgt Ion:113 Resp: 240770

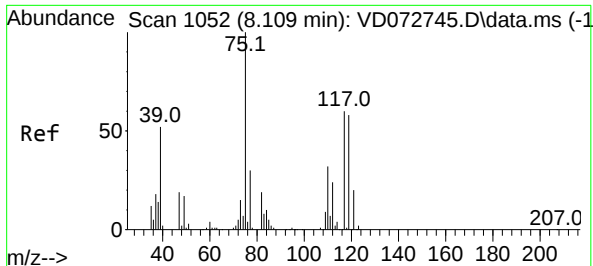
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 17.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.247 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072832.D

Acq: 06 May 2022 03:12

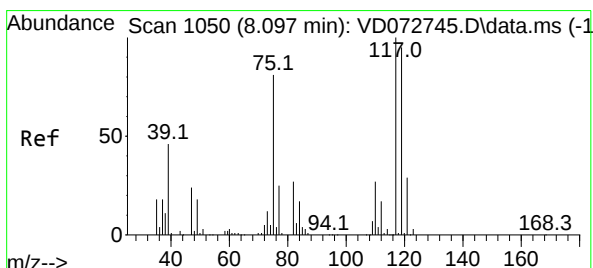
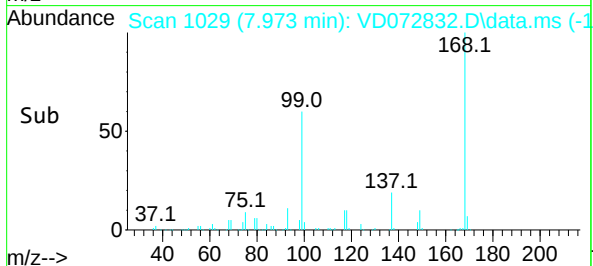
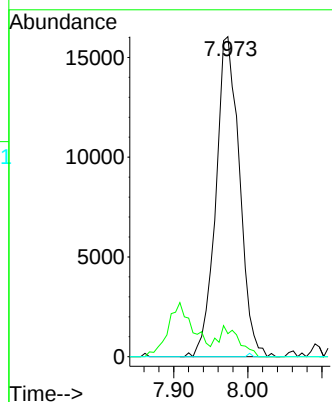
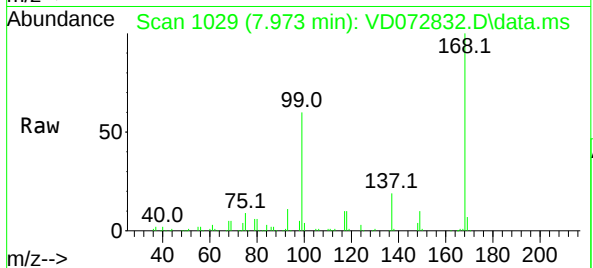
Instrument :

MSVOA_D

ClientSampleId :

B3-0-2

Tgt Ion: 75 Resp: 35517
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.4 49.1#
 77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.914 ug/l

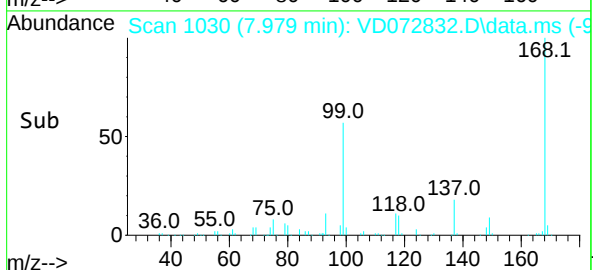
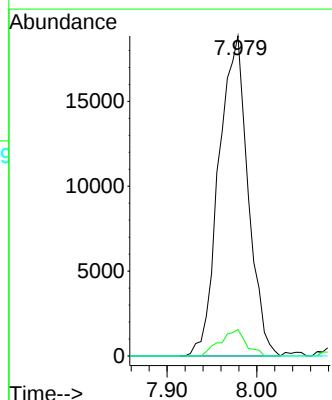
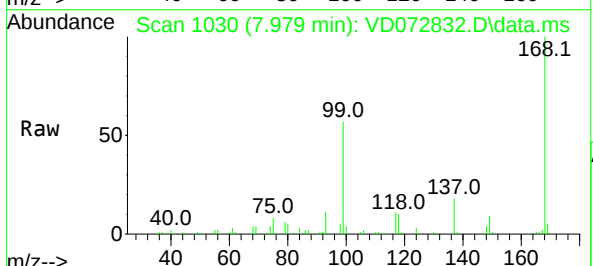
RT: 7.979 min Scan# 1030

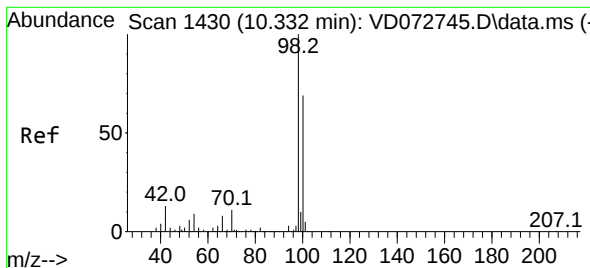
Delta R.T. -0.118 min

Lab File: VD072832.D

Acq: 06 May 2022 03:12

Tgt Ion: 117 Resp: 42661
 Ion Ratio Lower Upper
 117 100
 119 8.3 75.8 113.6#
 121 0.0 24.5 36.7#

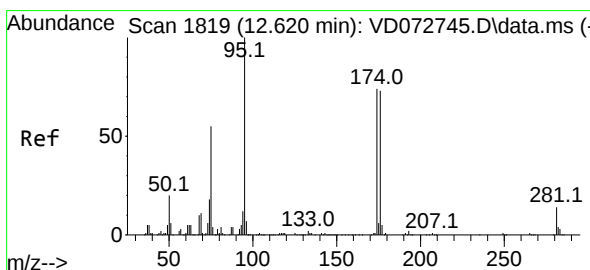
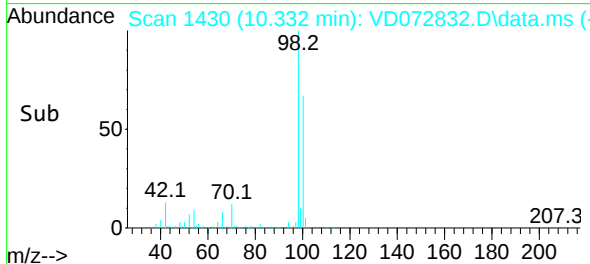
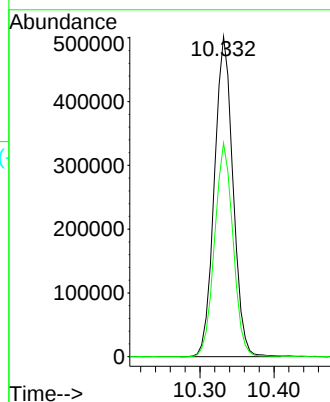
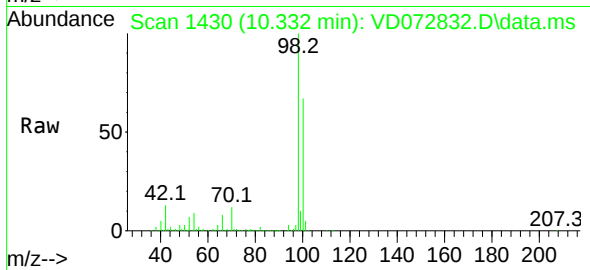




#50
Toluene-d8
Concen: 47.458 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072832.D
Acq: 06 May 2022 03:12

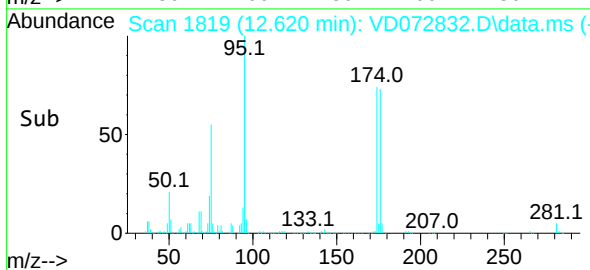
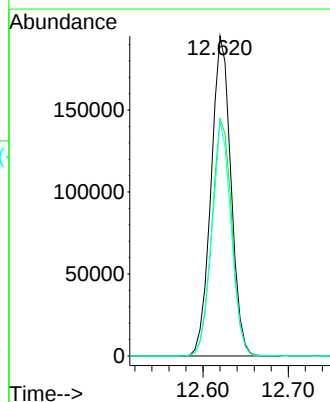
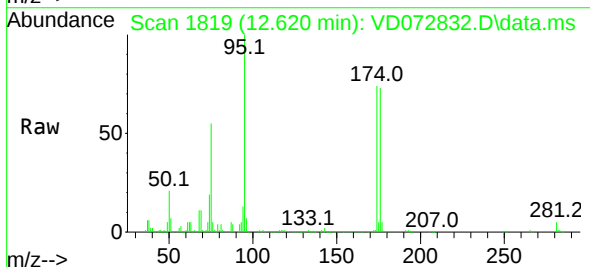
Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

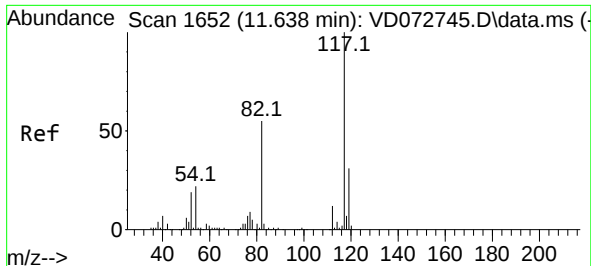
Tgt Ion: 98 Resp: 875603
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.853 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072832.D
Acq: 06 May 2022 03:12

Tgt Ion: 95 Resp: 315451
Ion Ratio Lower Upper
95 100
174 74.4 0.0 152.8
176 71.0 0.0 145.4

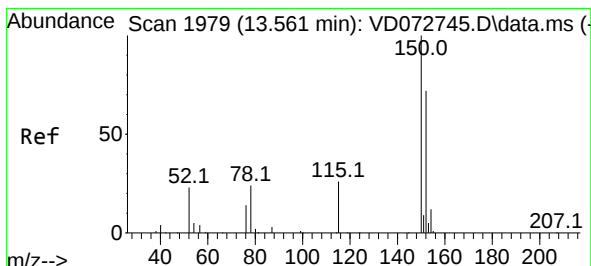
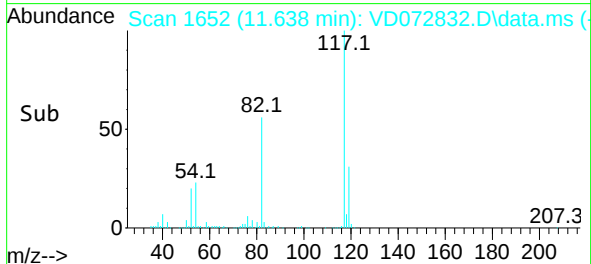
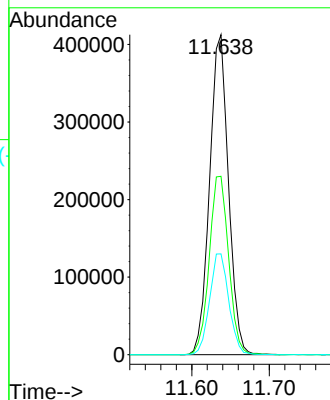
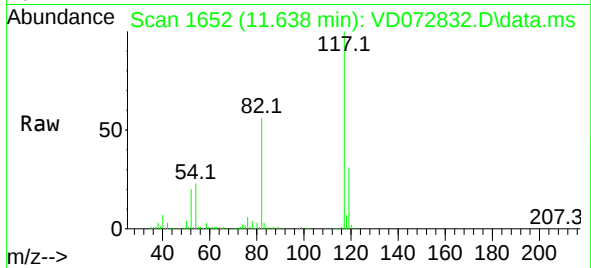




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072832.D
Acq: 06 May 2022 03:12

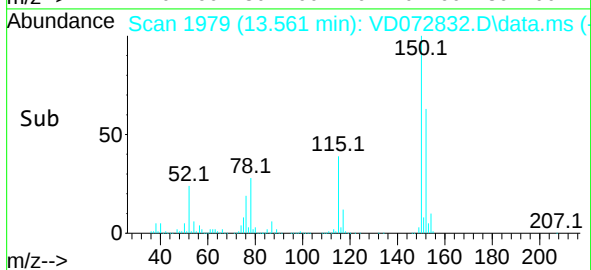
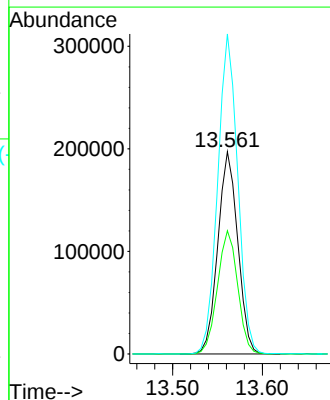
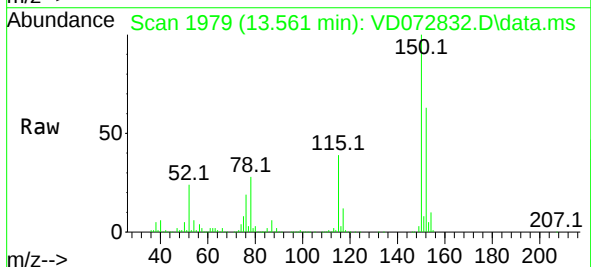
Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

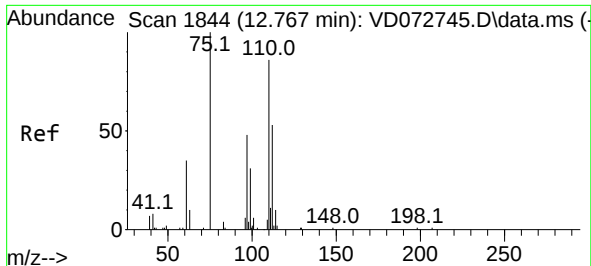
Tgt Ion:117 Resp: 696893
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 31.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072832.D
Acq: 06 May 2022 03:12

Tgt Ion:152 Resp: 303955
Ion Ratio Lower Upper
152 100
115 61.7 31.3 93.8
150 158.8 0.0 348.6

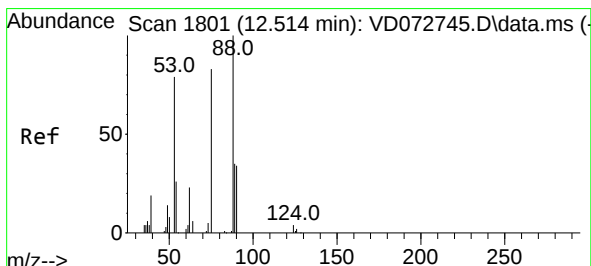
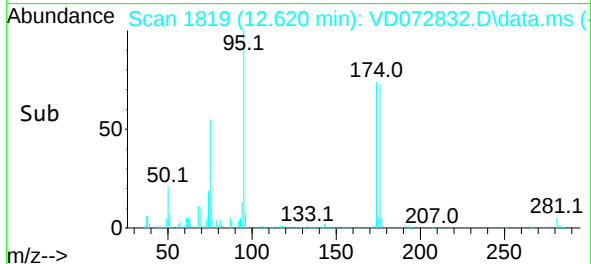
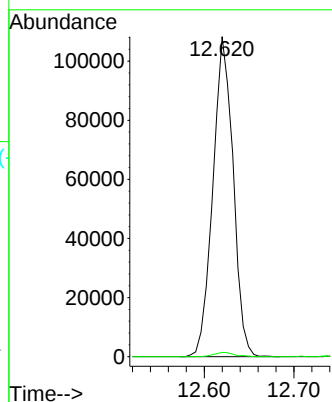
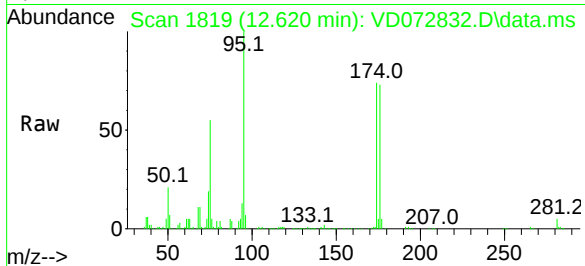




#76
1,2,3-Trichloropropane
Concen: 50.088 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072832.D
Acq: 06 May 2022 03:12

Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

Tgt Ion: 75 Resp: 169762
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.181 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072832.D
Acq: 06 May 2022 03:12

Tgt Ion: 75 Resp: 169762
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

