

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073842.D
 Acq On : 12 Jul 2022 16:58
 Operator : VA/SY
 Sample : N3649-05
 Misc : 4.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-6-LC

Quant Time: Jul 13 04:32:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 07:04:44 2022
 Response via : Initial Calibration

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

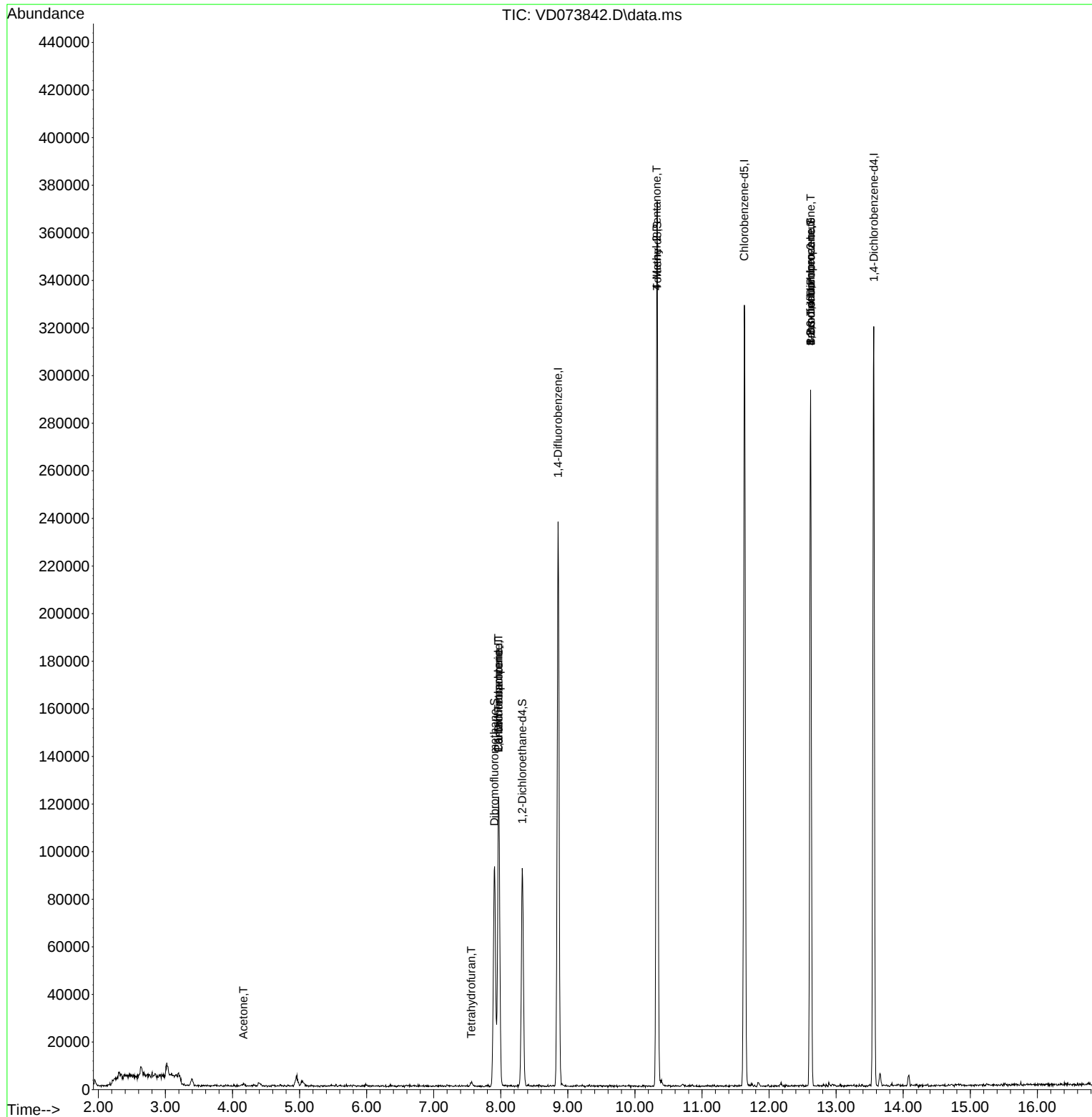
Internal Standards						
1) Pentafluorobenzene	7.967	168	76683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	183710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	171664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	73751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	70849	68.978	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.960%	
35) Dibromofluoromethane	7.902	113	62709	51.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.200%	
50) Toluene-d8	10.332	98	239970	56.627	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 113.260%	
62) 4-Bromofluorobenzene	12.620	95	83653	46.588	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 93.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	235	Below Cal	#	43
4) Vinyl Chloride	2.344	62	90	Below Cal	#	13
5) Bromomethane	2.762	94	515	Below Cal		99
16) Acetone	4.162	43	1631	9.269	ug/l #	82
17) Carbon Disulfide	4.397	76	2304	Below Cal	#	86
18) Methyl Acetate	4.720	43	204	Below Cal	#	55
20) Methylene Chloride	4.956	84	2447	Below Cal	#	84
29) Tetrahydrofuran	7.561	42	1406	8.917	ug/l #	71
31) Cyclohexane	7.967	56	2863	Below Cal	#	36
36) 1,1-Dichloropropene	7.967	75	7940	6.457	ug/l #	52
38) Carbon Tetrachloride	7.967	117	9670	6.886	ug/l #	18
51) 4-Methyl-2-Pentanone	10.326	43	1425	1.806	ug/l #	1
71) Bromoform	12.620	173	892	1.526	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	48705	61.045	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	48705	160.432	ug/l #	10

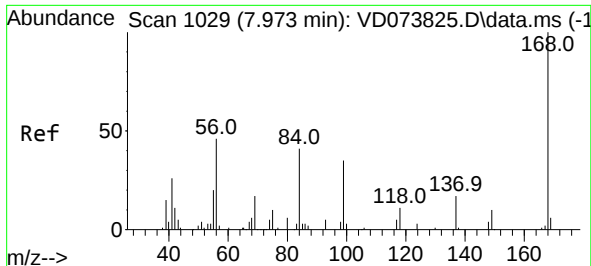
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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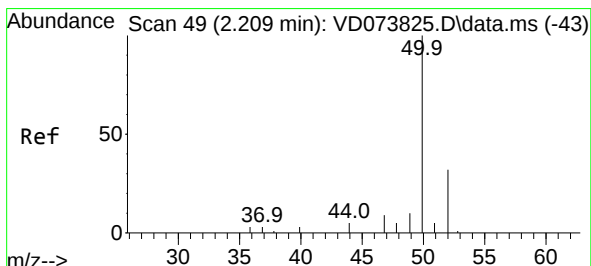
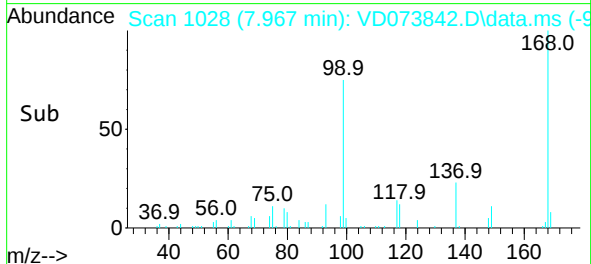
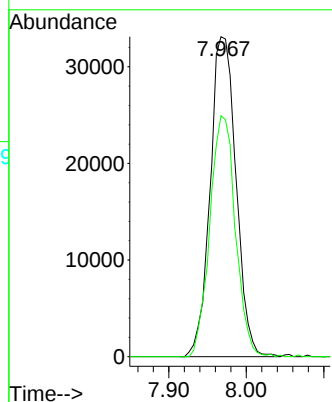
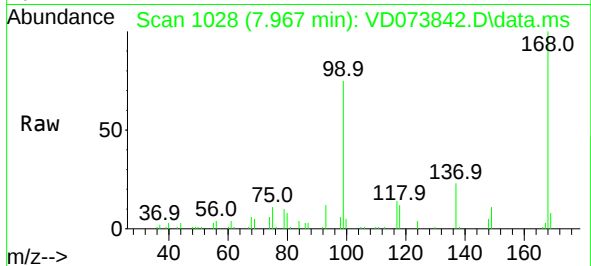




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073842.D
Acq: 12 Jul 2022 16:58

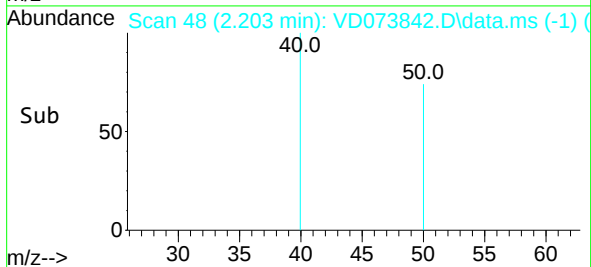
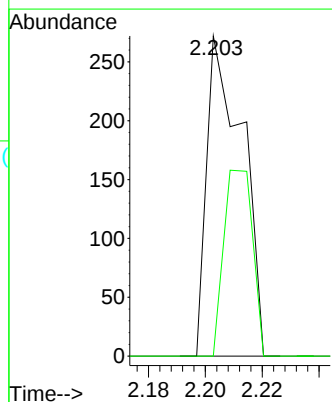
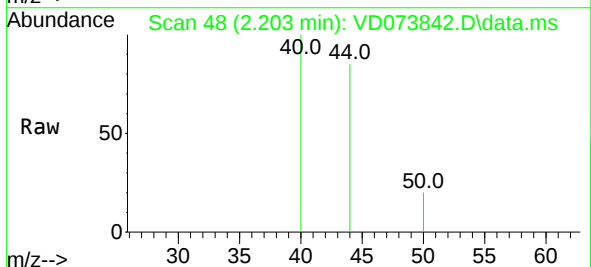
Instrument :
MSVOA_D
ClientSampleId :
A-6-LC

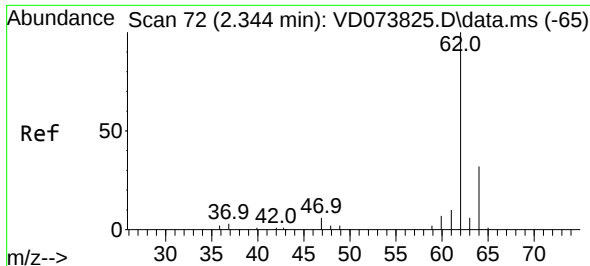
Tgt Ion:168 Resp: 76683
Ion Ratio Lower Upper
168 100
99 75.3 53.8 80.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073842.D
Acq: 12 Jul 2022 16:58

Tgt Ion: 50 Resp: 235
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.344 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VD073842.D
 Acq: 12 Jul 2022 16:58

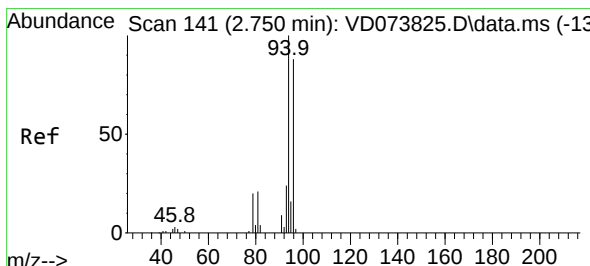
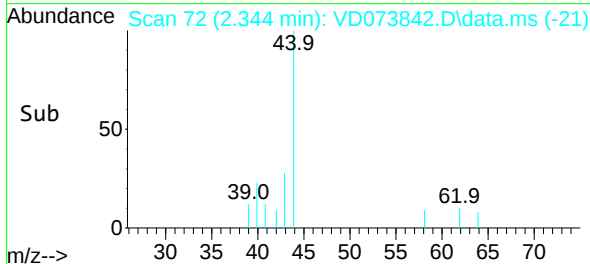
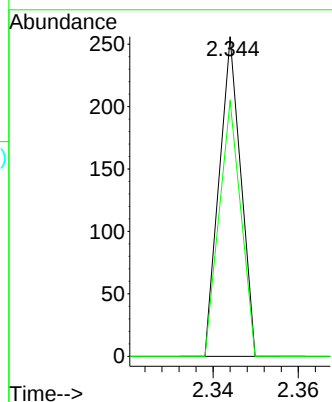
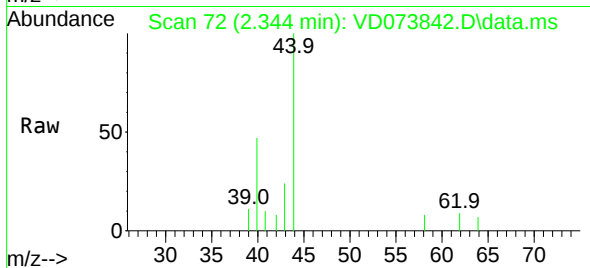
Instrument :

MSVOA_D

ClientSampleId :

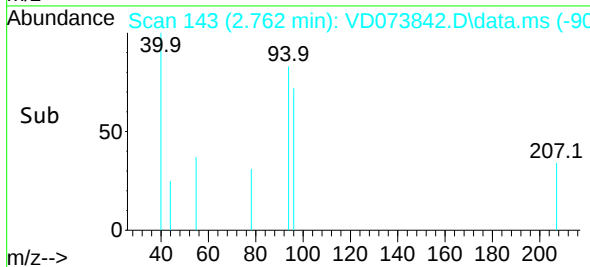
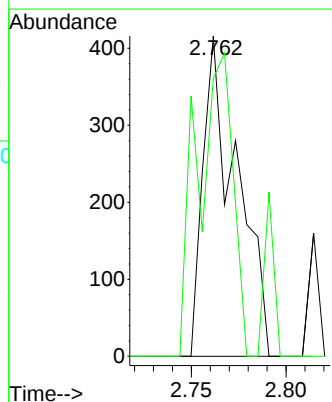
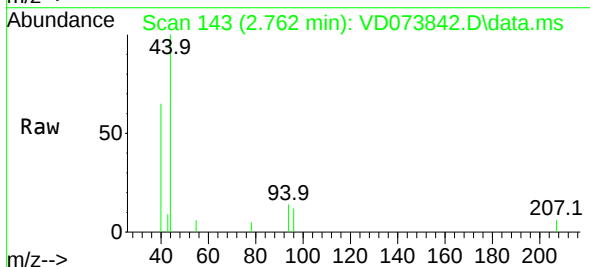
A-6-LC

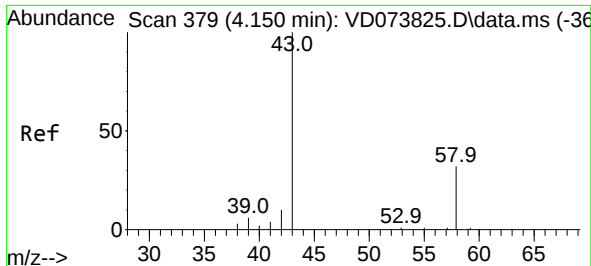
Tgt Ion: 62 Resp: 90
 Ion Ratio Lower Upper
 62 100
 64 80.1 25.4 38.0#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.762 min Scan# 143
 Delta R.T. 0.012 min
 Lab File: VD073842.D
 Acq: 12 Jul 2022 16:58

Tgt Ion: 94 Resp: 515
 Ion Ratio Lower Upper
 94 100
 96 86.8 70.3 105.5

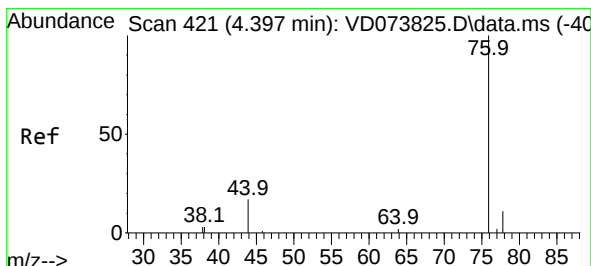
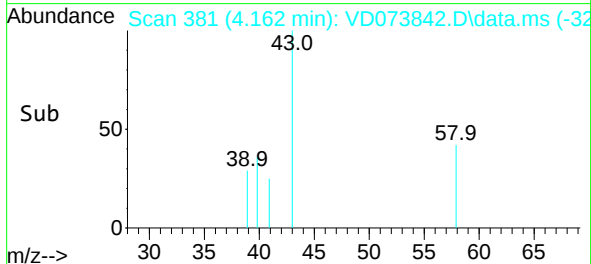
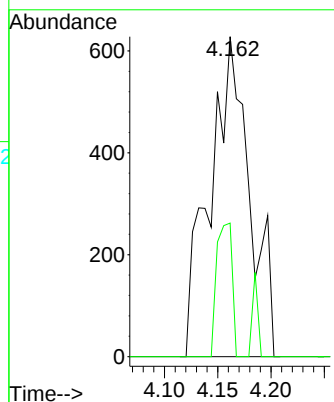
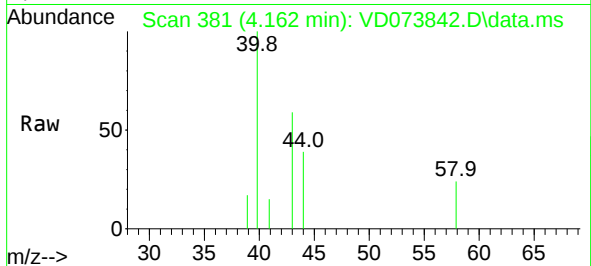




#16
Acetone
Concen: 9.269 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073842.D
Acq: 12 Jul 2022 16:58

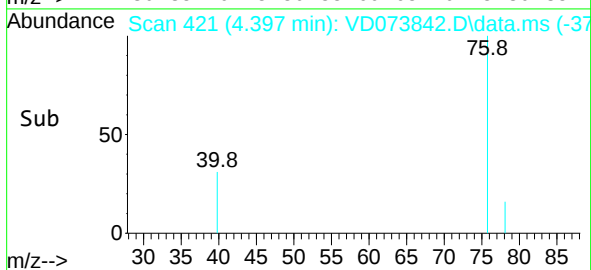
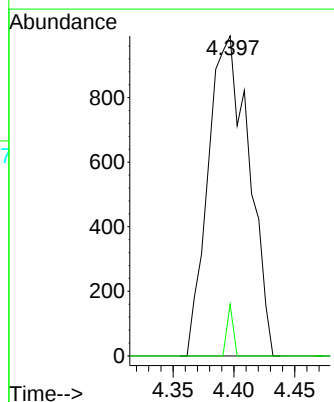
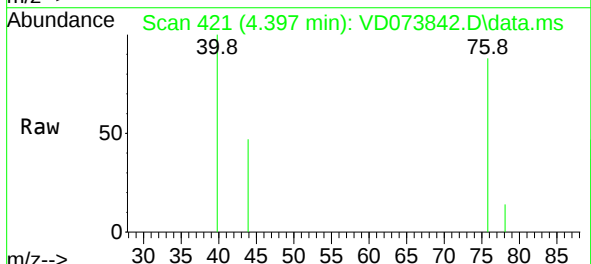
Instrument :
MSVOA_D
ClientSampleId :
A-6-LC

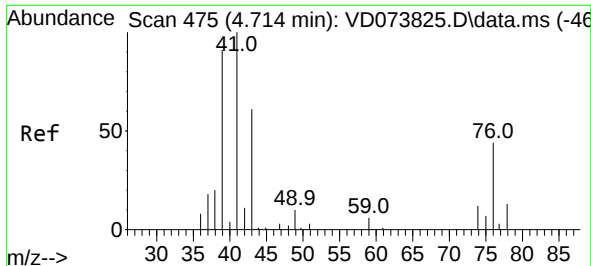
Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
58 41.7 25.2 37.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 421
Delta R.T. -0.000 min
Lab File: VD073842.D
Acq: 12 Jul 2022 16:58

Tgt Ion: 76 Resp: 2304
Ion Ratio Lower Upper
76 100
78 16.1 8.7 13.1#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.720 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD073842.D

Acq: 12 Jul 2022 16:58

Instrument :

MSVOA_D

ClientSampleId :

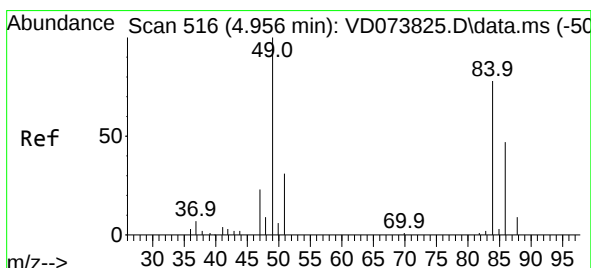
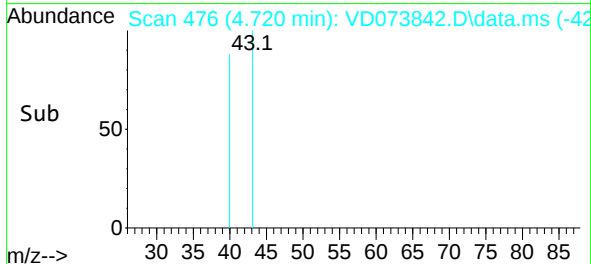
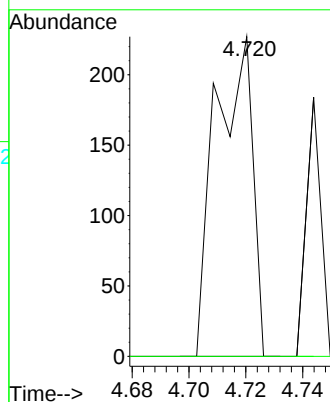
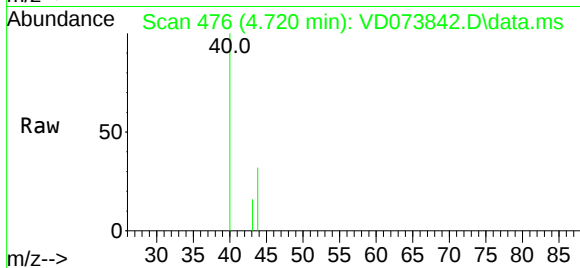
A-6-LC

Tgt Ion: 43 Resp: 204

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 516

Delta R.T. -0.000 min

Lab File: VD073842.D

Acq: 12 Jul 2022 16:58

Tgt Ion: 84 Resp: 2447

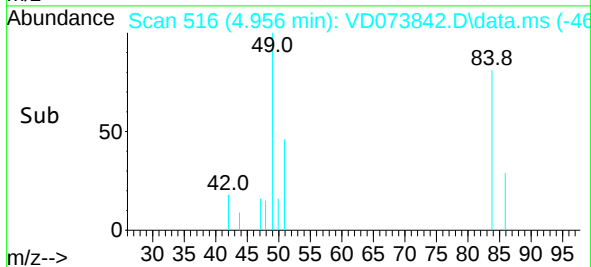
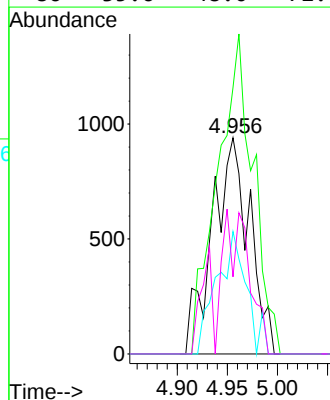
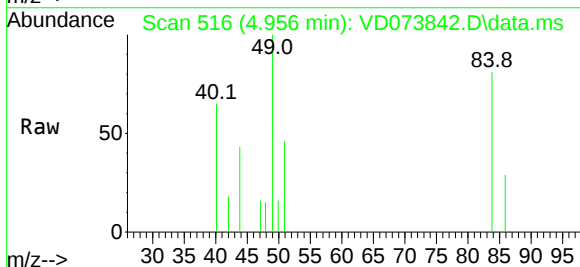
Ion Ratio Lower Upper

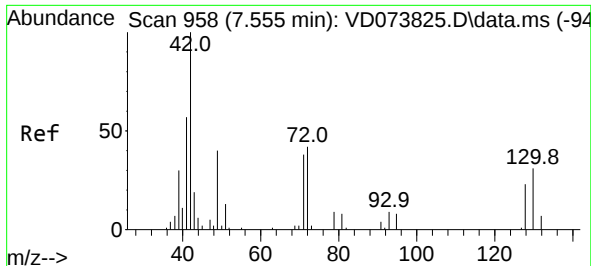
84 100

49 123.3 102.5 153.7

51 56.6 31.4 47.0#

86 35.6 48.0 72.0#





#29

Tetrahydrofuran

Concen: 8.917 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD073842.D

Acq: 12 Jul 2022 16:58

Instrument :

MSVOA_D

ClientSampleId :

A-6-LC

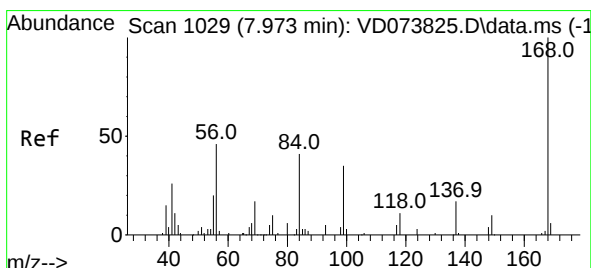
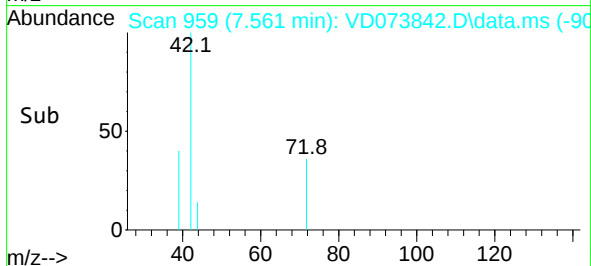
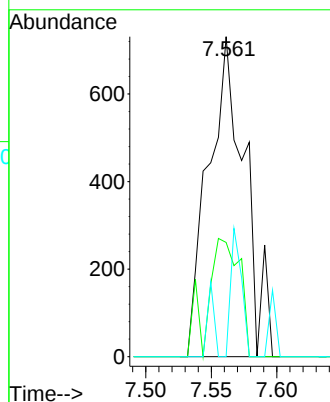
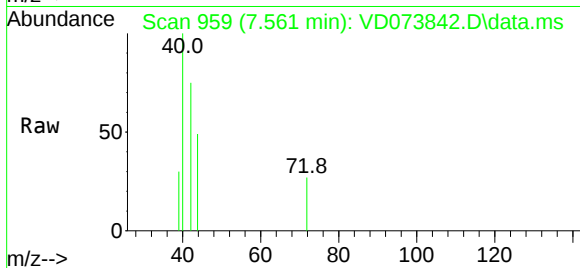
Tgt Ion: 42 Resp: 1406

Ion Ratio Lower Upper

42 100

72 32.8 33.5 50.3#

71 11.9 31.0 46.6#



#31

Cyclohexane

Concen: Below Cal

RT: 7.967 min Scan# 1028

Delta R.T. -0.006 min

Lab File: VD073842.D

Acq: 12 Jul 2022 16:58

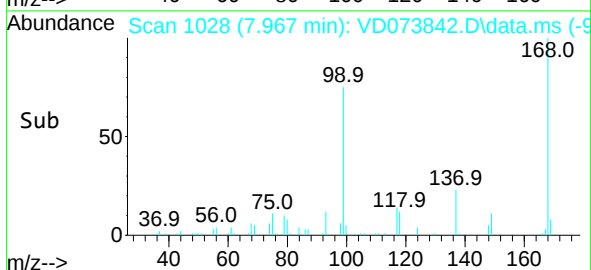
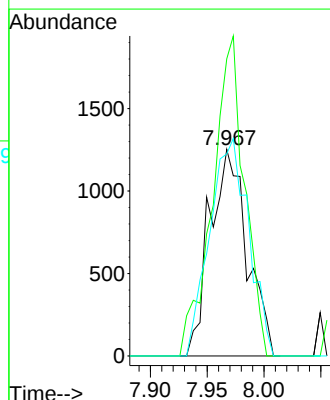
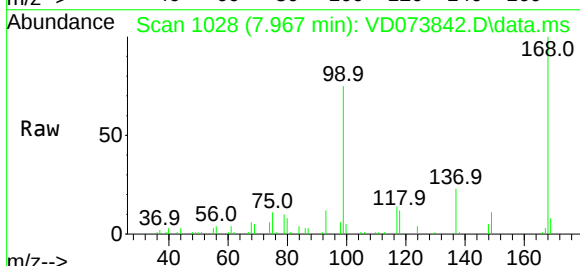
Tgt Ion: 56 Resp: 2863

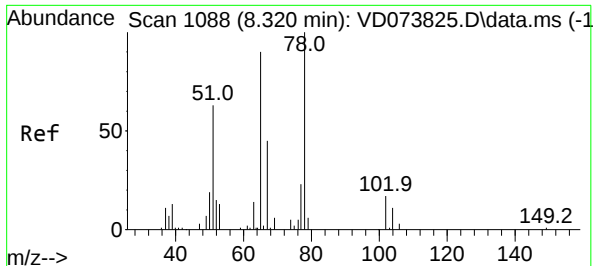
Ion Ratio Lower Upper

56 100

69 143.8 29.1 43.7#

84 97.8 68.2 102.2





#33

1,2-Dichloroethane-d4

Concen: 68.978 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VD073842.D

Acq: 12 Jul 2022 16:58

Instrument :

MSVOA_D

ClientSampleId :

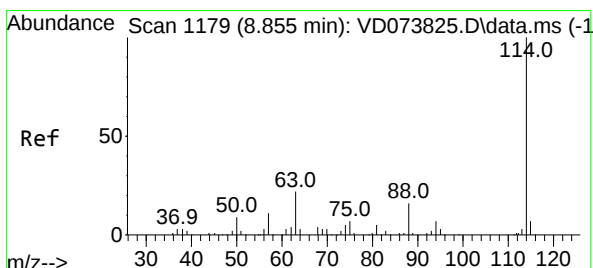
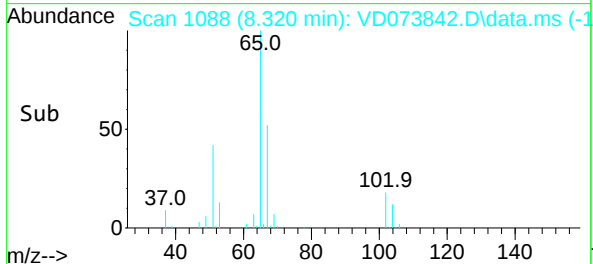
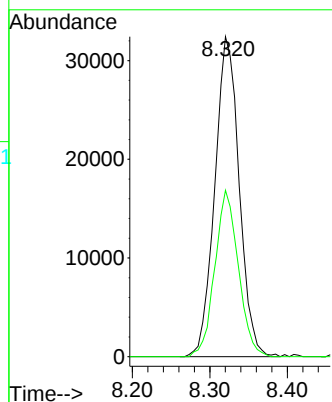
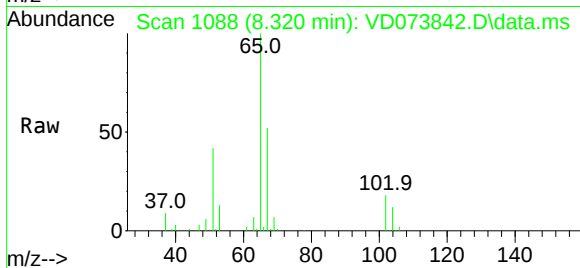
A-6-LC

Tgt Ion: 65 Resp: 70849

Ion Ratio Lower Upper

65 100

67 50.1 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073842.D

Acq: 12 Jul 2022 16:58

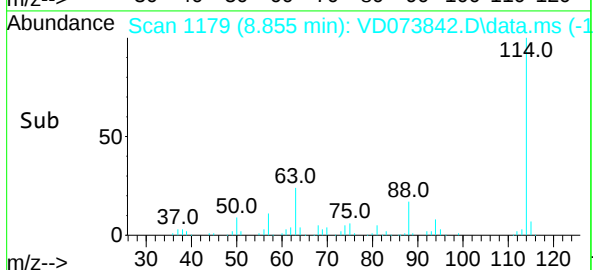
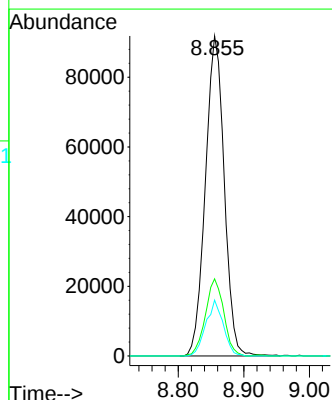
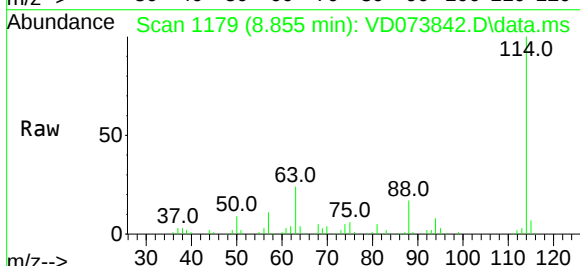
Tgt Ion: 114 Resp: 183710

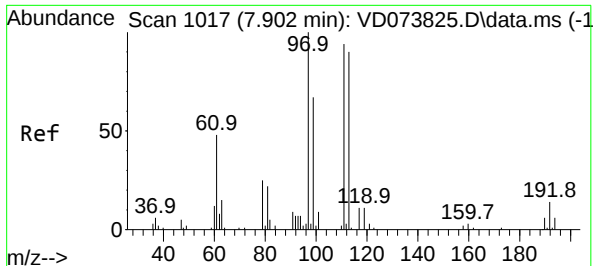
Ion Ratio Lower Upper

114 100

63 24.1 0.0 43.0

88 17.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.599 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. 0.000 min

Lab File: VD073842.D

Acq: 12 Jul 2022 16:58

Instrument :

MSVOA_D

ClientSampleId :

A-6-LC

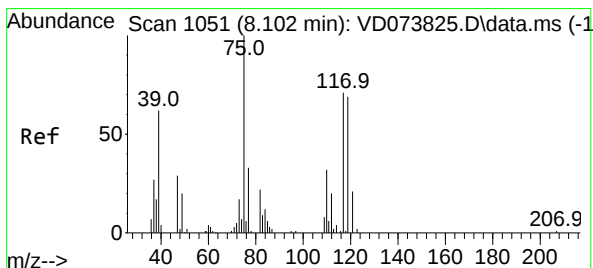
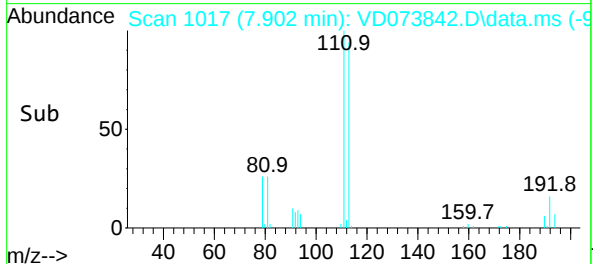
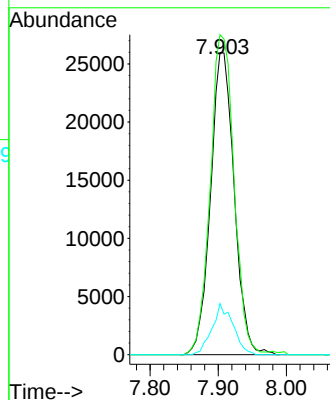
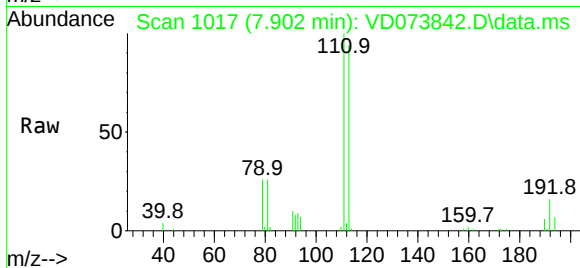
Tgt Ion:113 Resp: 62709

Ion Ratio Lower Upper

113 100

111 107.0 82.2 123.4

192 15.0 12.3 18.5



#36

1,1-Dichloropropene

Concen: 6.457 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073842.D

Acq: 12 Jul 2022 16:58

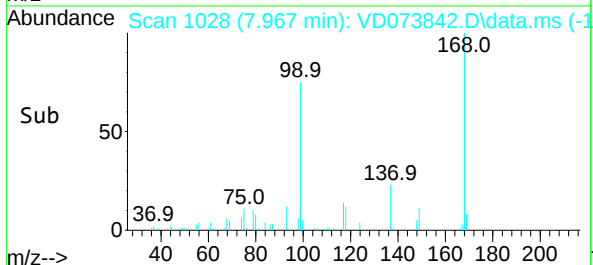
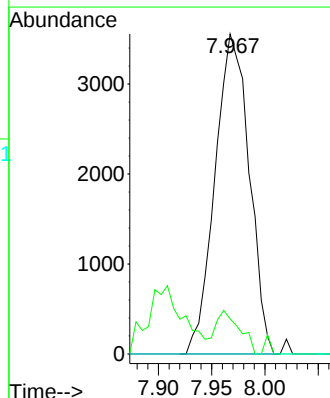
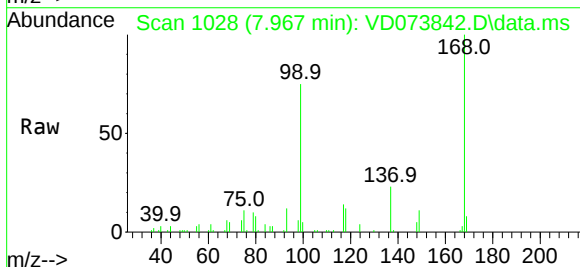
Tgt Ion: 75 Resp: 7940

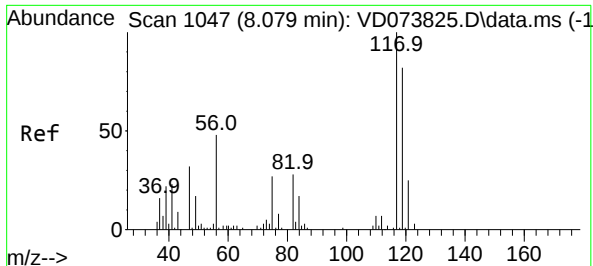
Ion Ratio Lower Upper

75 100

110 9.8 16.0 47.9#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.886 ug/l

RT: 7.967 min Scan# 1047

Delta R.T. -0.112 min

Lab File: VD073842.D

Acq: 12 Jul 2022 16:58

Instrument :

MSVOA_D

ClientSampleId :

A-6-LC

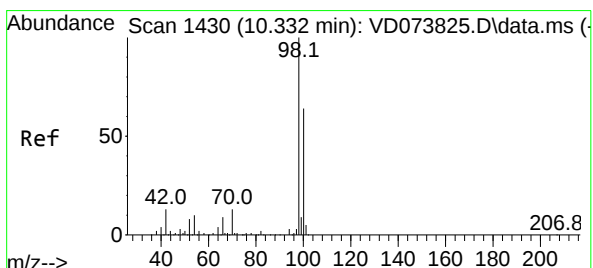
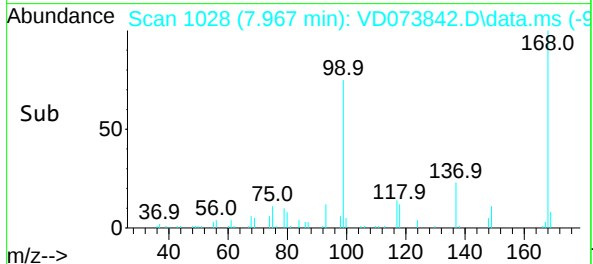
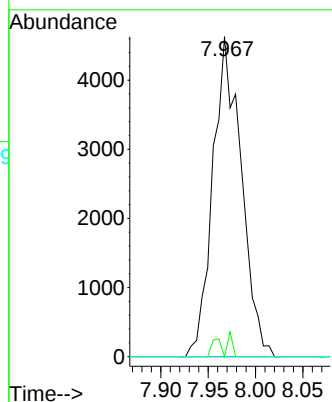
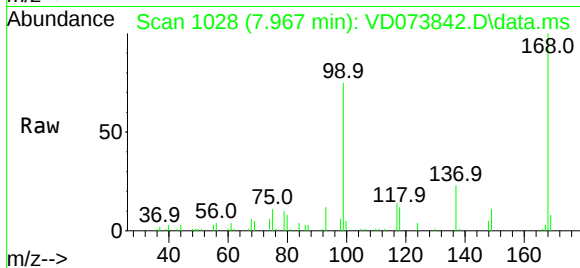
Tgt Ion:117 Resp: 9670

Ion Ratio Lower Upper

117 100

119 0.0 65.6 98.4#

121 0.0 20.1 30.1#



#50

Toluene-d8

Concen: 56.627 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD073842.D

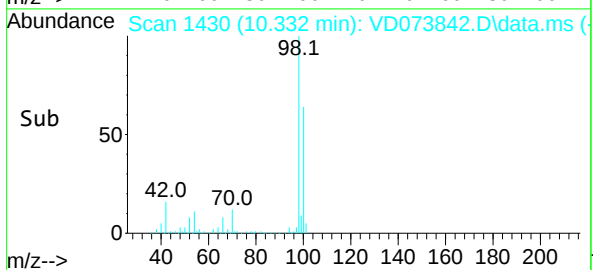
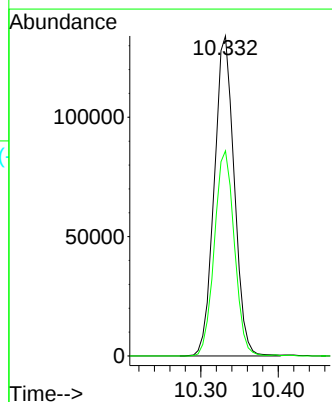
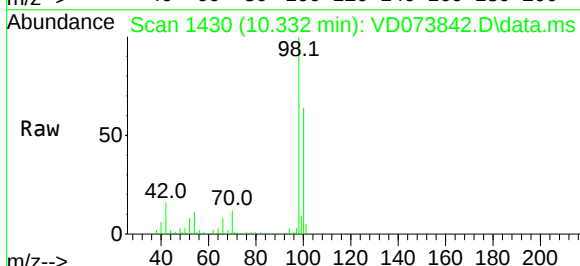
Acq: 12 Jul 2022 16:58

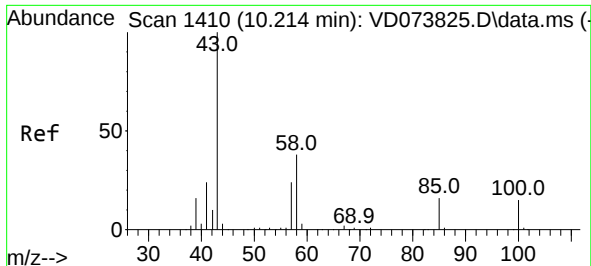
Tgt Ion: 98 Resp: 239970

Ion Ratio Lower Upper

98 100

100 64.1 52.9 79.3

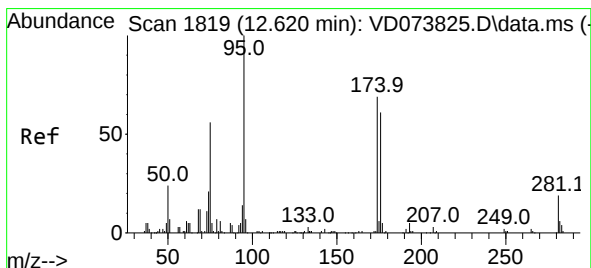
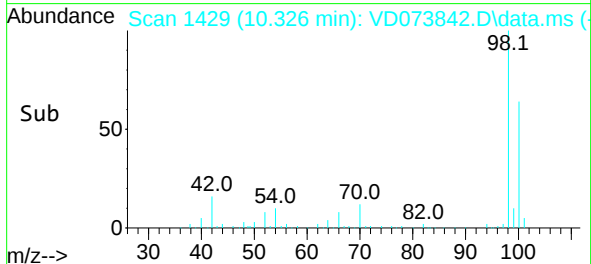
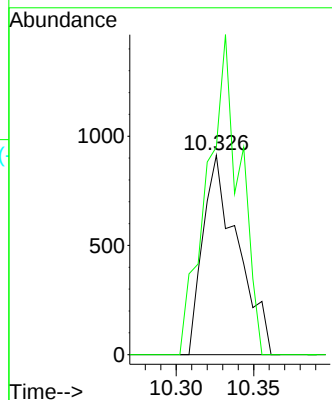
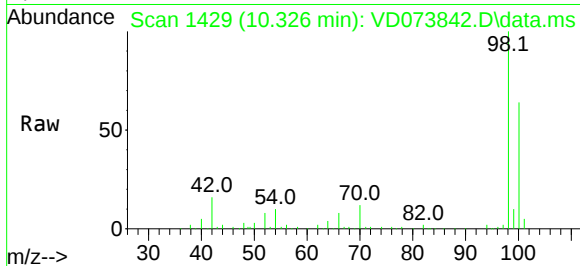




#51
4-Methyl-2-Pentanone
Concen: 1.806 ug/l
RT: 10.326 min Scan# 1410
Delta R.T. 0.112 min
Lab File: VD073842.D
Acq: 12 Jul 2022 16:58

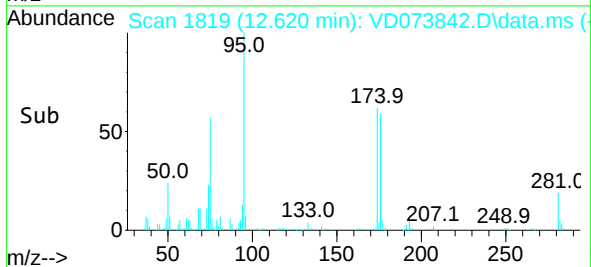
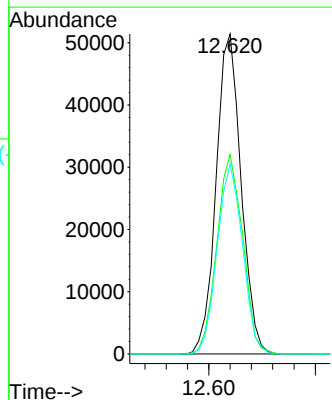
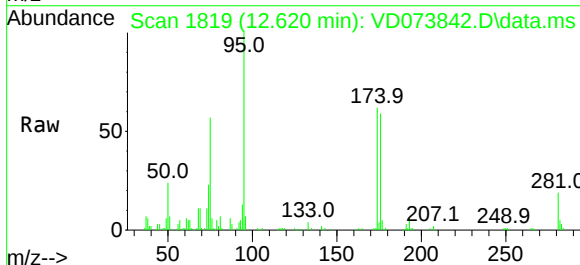
Instrument :
MSVOA_D
ClientSampleId :
A-6-LC

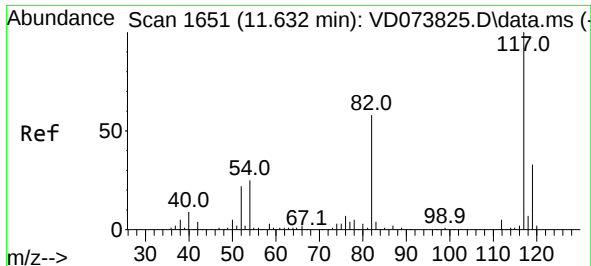
Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
58 151.5 29.3 43.9#



#62
4-Bromofluorobenzene
Concen: 46.588 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073842.D
Acq: 12 Jul 2022 16:58

Tgt Ion: 95 Resp: 83653
Ion Ratio Lower Upper
95 100
174 64.4 0.0 131.8
176 60.2 0.0 124.2

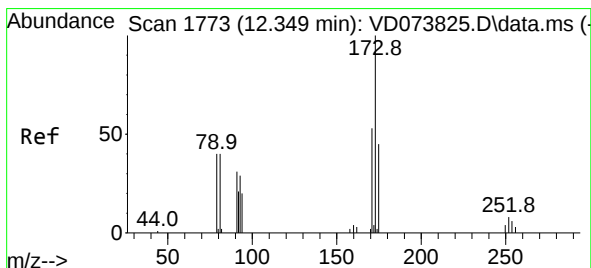
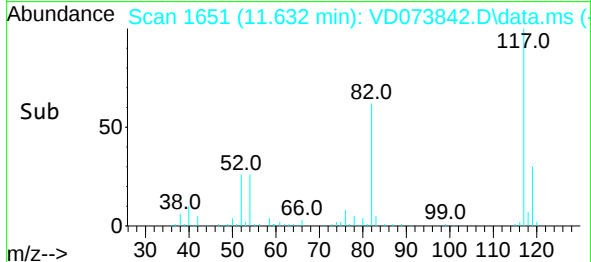
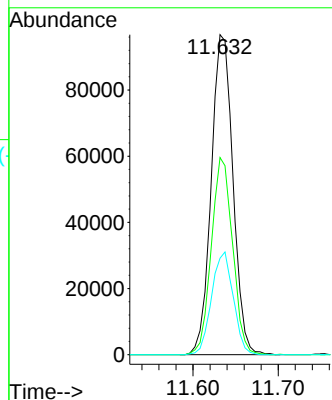
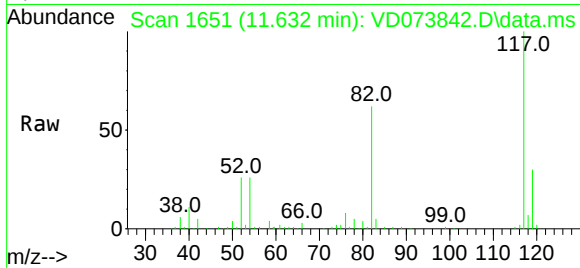




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD073842.D
Acq: 12 Jul 2022 16:58

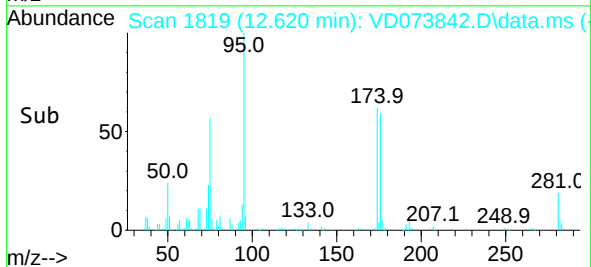
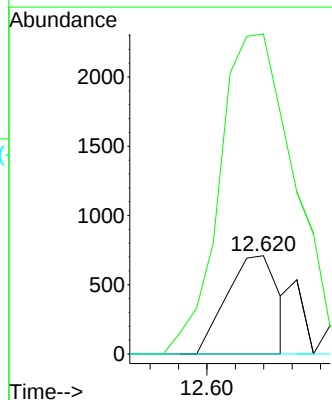
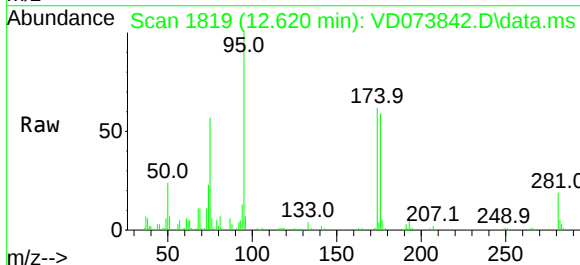
Instrument :
MSVOA_D
ClientSampleId :
A-6-LC

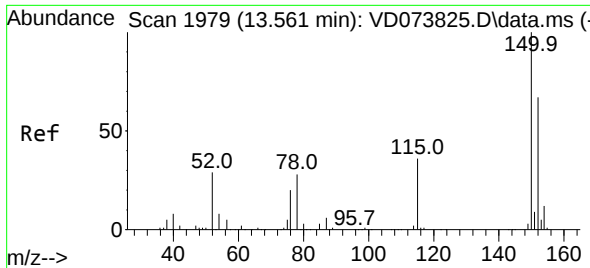
Tgt Ion:117 Resp: 171664
Ion Ratio Lower Upper
117 100
82 61.6 46.6 69.8
119 30.1 26.1 39.1



#71
Bromoform
Concen: 1.526 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073842.D
Acq: 12 Jul 2022 16:58

Tgt Ion:173 Resp: 892
Ion Ratio Lower Upper
173 100
175 382.5 23.4 70.0#
254 0.0 0.0 0.0

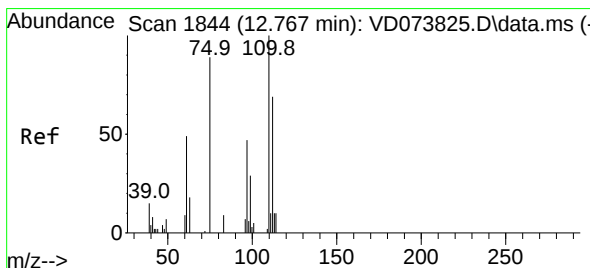
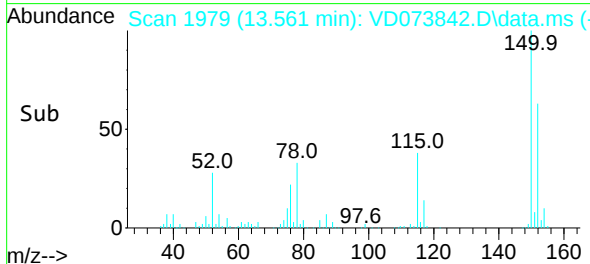
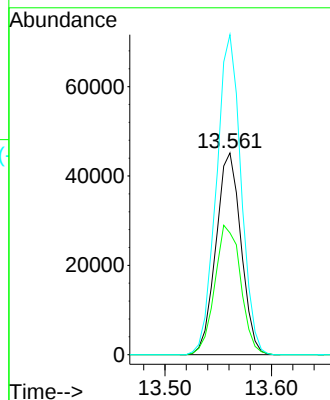
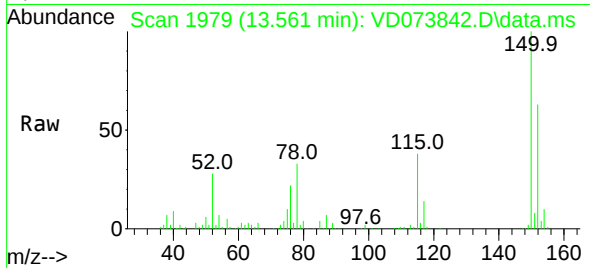




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073842.D
 Acq: 12 Jul 2022 16:58

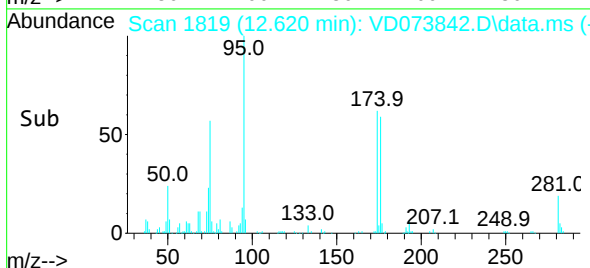
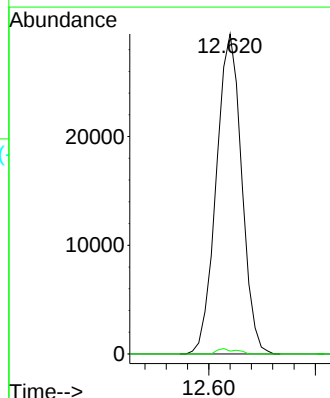
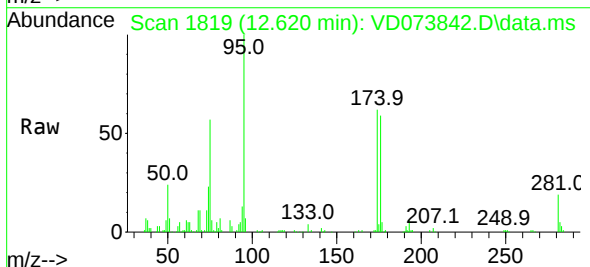
Instrument :
 MSVOA_D
 ClientSampleId :
 A-6-LC

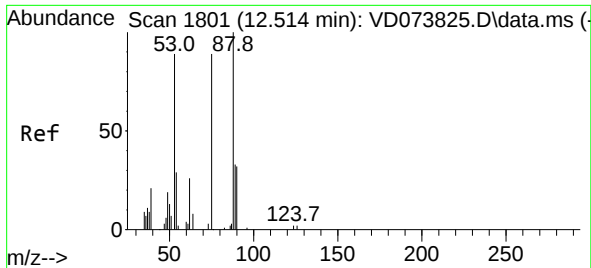
Tgt Ion:152 Resp: 73751
 Ion Ratio Lower Upper
 152 100
 115 66.4 33.5 100.5
 150 156.1 0.0 343.2



#76
 1,2,3-Trichloropropane
 Concen: 61.045 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073842.D
 Acq: 12 Jul 2022 16:58

Tgt Ion: 75 Resp: 48705
 Ion Ratio Lower Upper
 75 100
 77 1.3 138.0 414.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 160.432 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073842.D
 Acq: 12 Jul 2022 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 A-6-LC

Tgt Ion: 75 Resp: 48705
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.3 118.9#
 89 0.1 34.8 52.2#

