

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073843.D
 Acq On : 12 Jul 2022 17:29
 Operator : VA/SY
 Sample : N3649-06
 Misc : 4.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-2-UC

Quant Time: Jul 13 04:32:23 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)

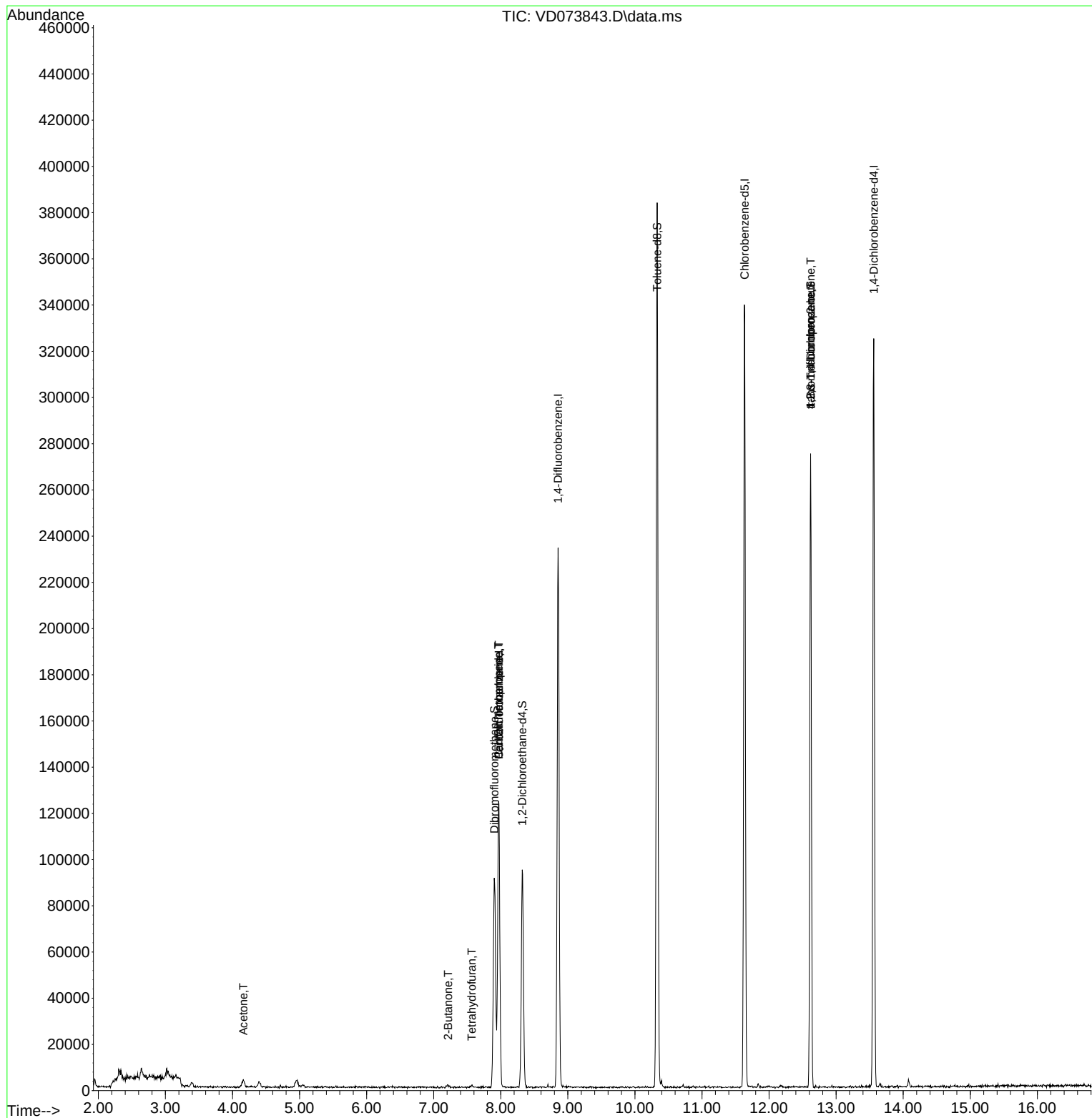
Internal Standards						
1) Pentafluorobenzene	7.973	168	77077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	186714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	177781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	74543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	72915	70.627	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 141.260%			
35) Dibromofluoromethane	7.902	113	65389	52.939	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.880%			
50) Toluene-d8	10.332	98	244598	56.790	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 113.580%			
62) 4-Bromofluorobenzene	12.620	95	83391	45.695	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 91.380%			
Target Compounds						
3) Chloromethane	2.209	50	401	Below Cal	#	43
5) Bromomethane	2.762	94	243	Below Cal		93
16) Acetone	4.161	43	6192	35.008	ug/l #	84
17) Carbon Disulfide	4.391	76	4617	Below Cal	#	71
18) Methyl Acetate	4.714	43	137	Below Cal	#	55
20) Methylene Chloride	4.944	84	2407	Below Cal	#	73
25) 2-Butanone	7.214	43	1656	6.224	ug/l #	49
29) Tetrahydrofuran	7.567	42	817	5.155	ug/l #	62
31) Cyclohexane	7.967	56	2898	Below Cal	#	58
36) 1,1-Dichloropropene	7.967	75	8087	6.471	ug/l #	53
38) Carbon Tetrachloride	7.973	117	10070	7.055	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	50099	62.125	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	50099	163.270	ug/l #	10

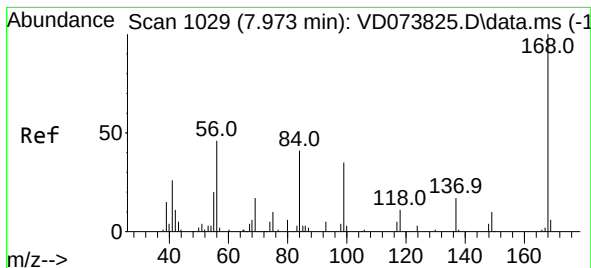
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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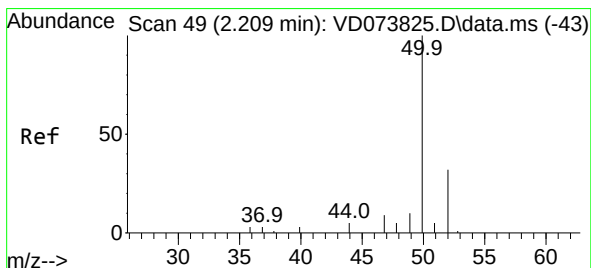
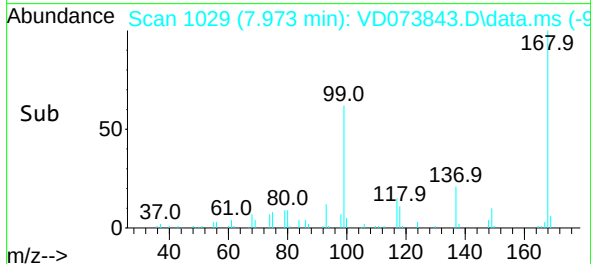
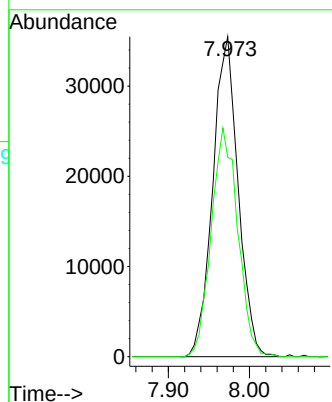
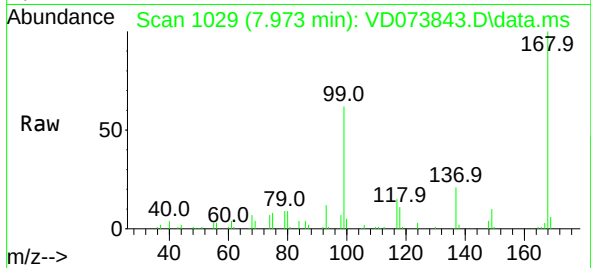




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

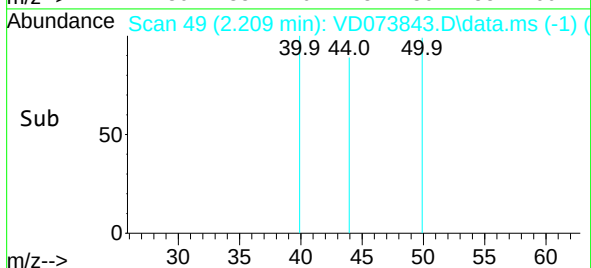
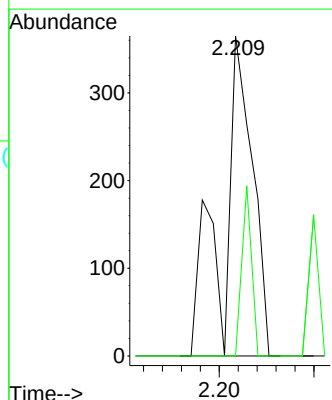
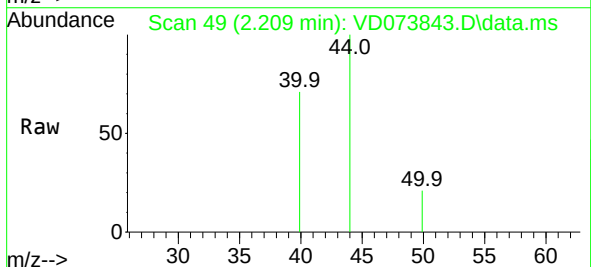
Instrument :
MSVOA_D
ClientSampleId :
A-2-UC

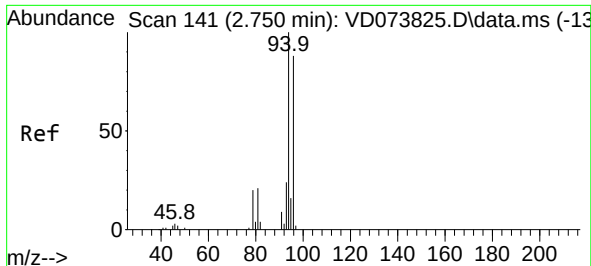
Tgt Ion:168 Resp: 77077
Ion Ratio Lower Upper
168 100
99 62.3 53.8 80.6



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

Tgt Ion: 50 Resp: 401
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

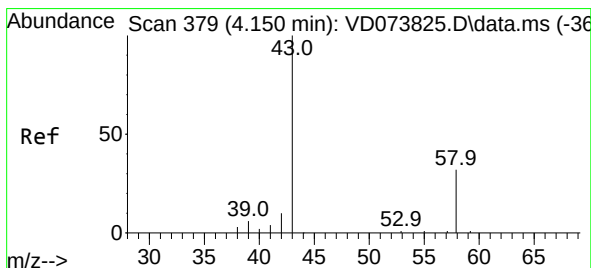
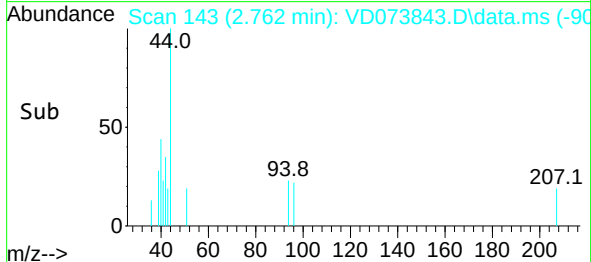
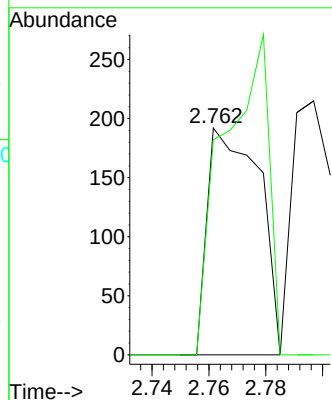
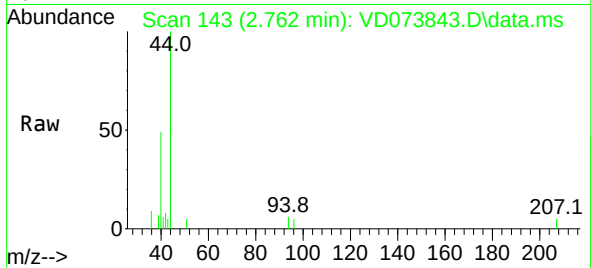




#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 141
Delta R.T. 0.012 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

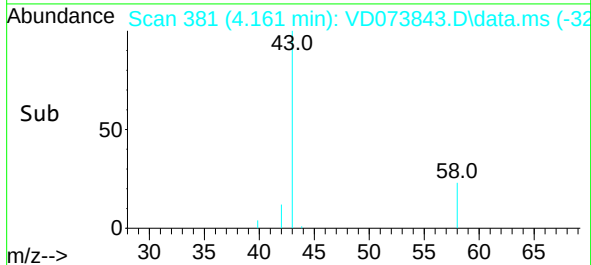
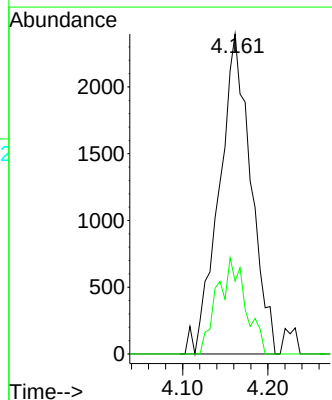
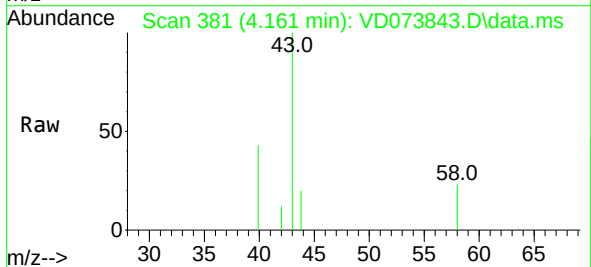
Instrument :
MSVOA_D
ClientSampleId :
A-2-UC

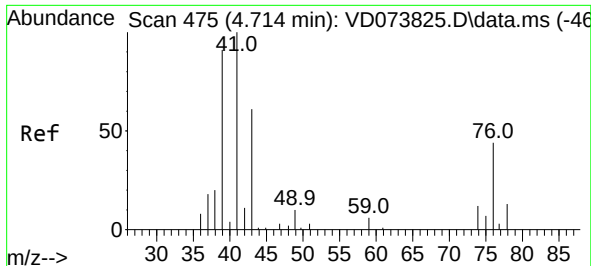
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 94.8 70.3 105.5



#16
Acetone
Concen: 35.008 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

Tgt Ion: 43 Resp: 6192
Ion Ratio Lower Upper
43 100
58 22.8 25.2 37.8#

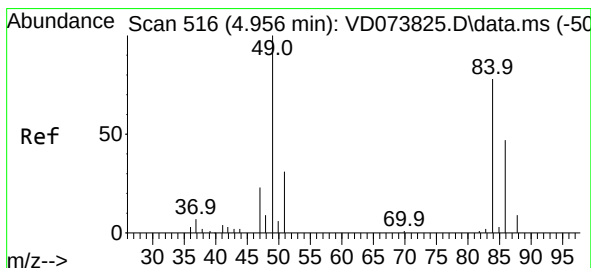
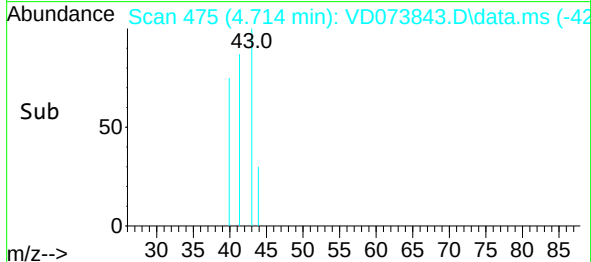
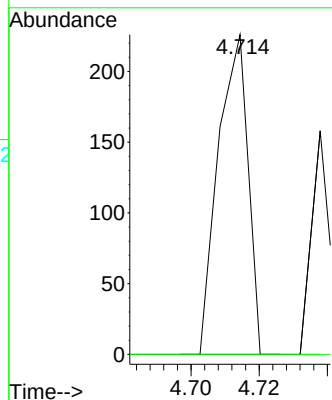
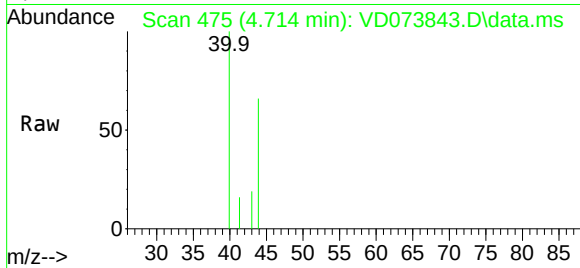




#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

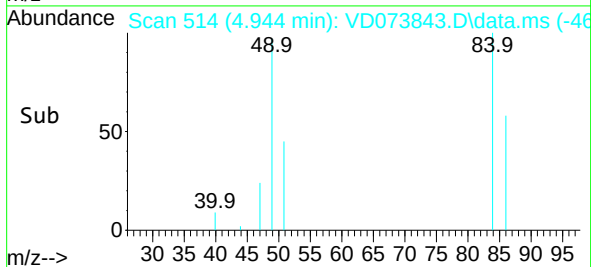
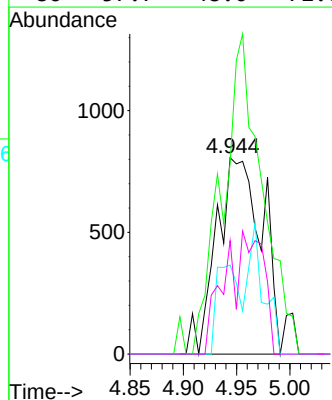
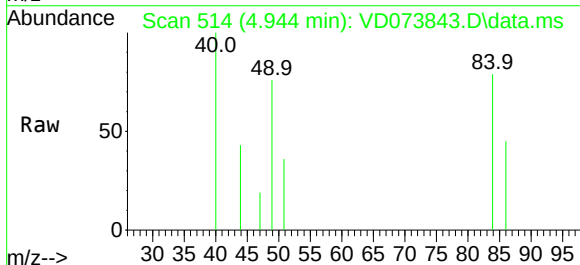
Instrument :
MSVOA_D
ClientSampleId :
A-2-UC

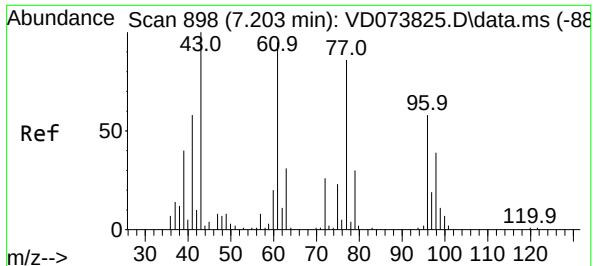
Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.012 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

Tgt Ion: 84 Resp: 2407
Ion Ratio Lower Upper
84 100
49 78.2 102.5 153.7#
51 45.4 31.4 47.0
86 57.7 48.0 72.0





#25

2-Butanone

Concen: 6.224 ug/l

RT: 7.214 min Scan# 90

Delta R.T. 0.012 min

Lab File: VD073843.D

Acq: 12 Jul 2022 17:29

Instrument :

MSVOA_D

ClientSampleId :

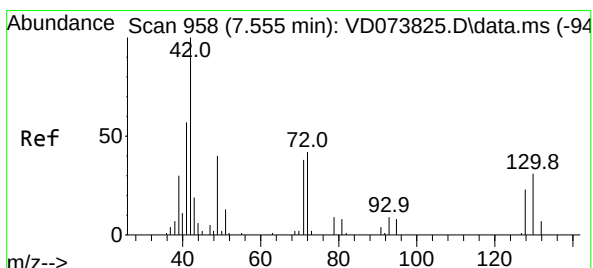
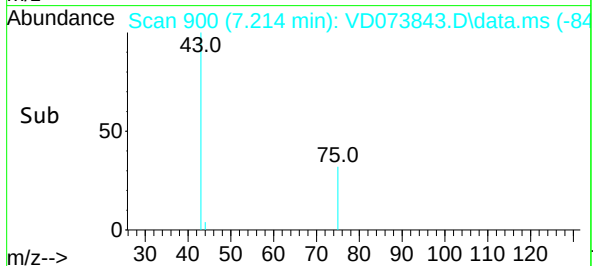
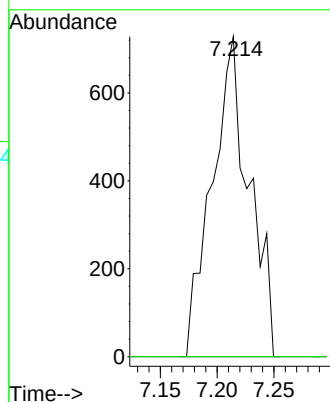
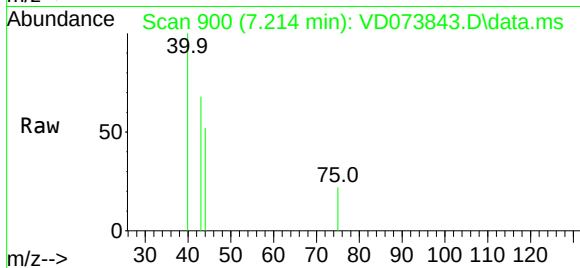
A-2-UC

Tgt Ion: 43 Resp: 1656

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#29

Tetrahydrofuran

Concen: 5.155 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.012 min

Lab File: VD073843.D

Acq: 12 Jul 2022 17:29

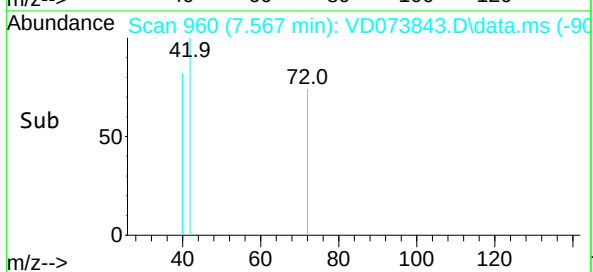
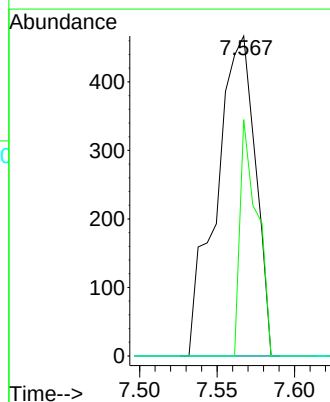
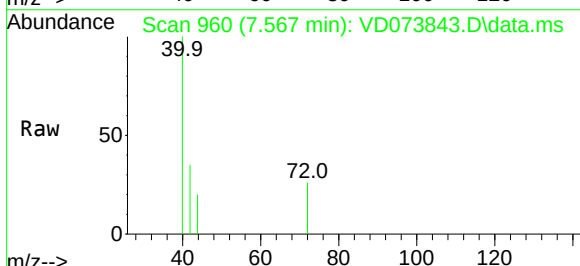
Tgt Ion: 42 Resp: 817

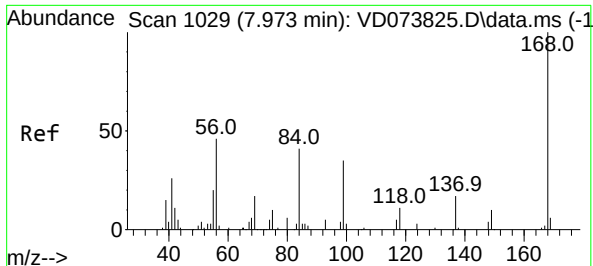
Ion Ratio Lower Upper

42 100

72 32.8 33.5 50.3#

71 0.0 31.0 46.6#





#31

Cyclohexane

Concen: Below Cal

RT: 7.967 min Scan# 1028

Delta R.T. -0.006 min

Lab File: VD073843.D

Acq: 12 Jul 2022 17:29

Instrument :

MSVOA_D

ClientSampleId :

A-2-UC

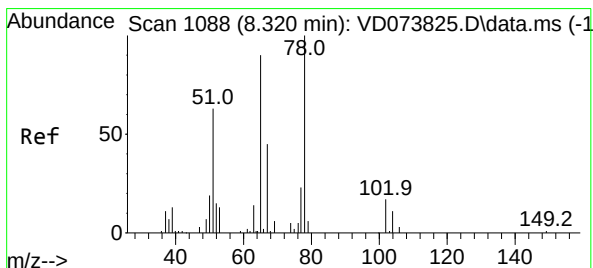
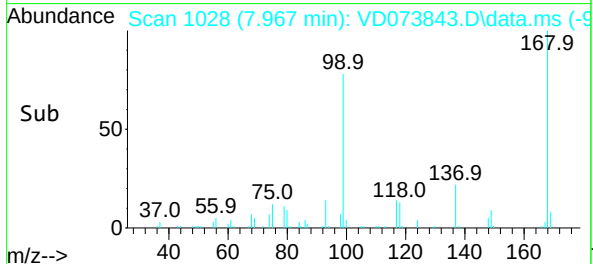
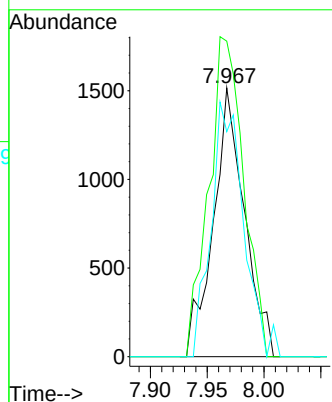
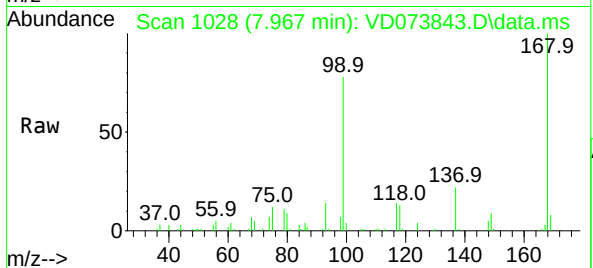
Tgt Ion: 56 Resp: 2898

Ion Ratio Lower Upper

56 100

69 117.4 29.1 43.7#

84 83.7 68.2 102.2



#33

1,2-Dichloroethane-d4

Concen: 70.627 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VD073843.D

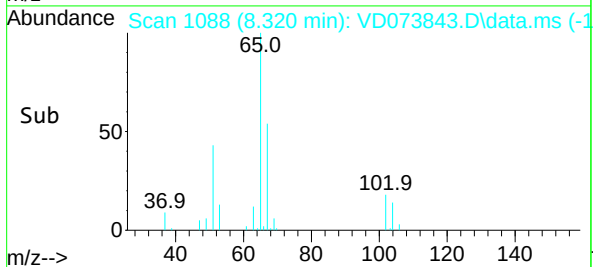
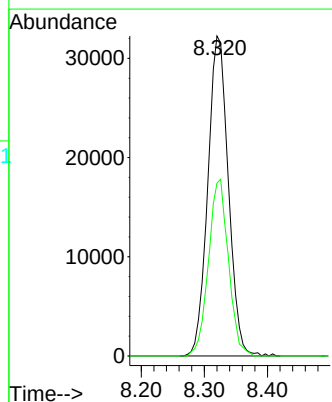
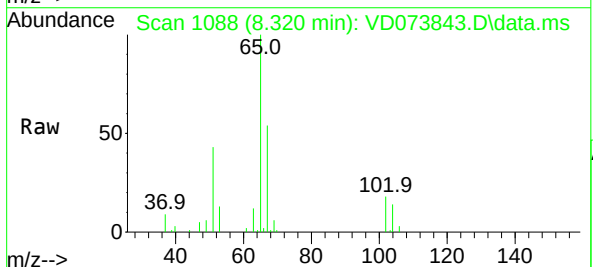
Acq: 12 Jul 2022 17:29

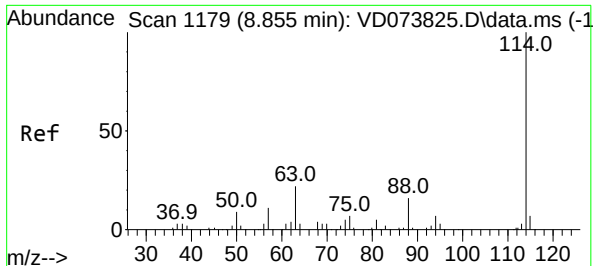
Tgt Ion: 65 Resp: 72915

Ion Ratio Lower Upper

65 100

67 53.5 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: VD073843.D

Acq: 12 Jul 2022 17:29

Instrument :

MSVOA_D

ClientSampleId :

A-2-UC

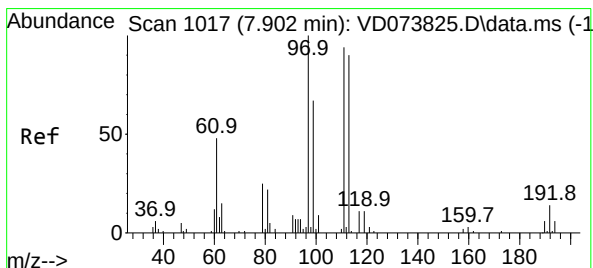
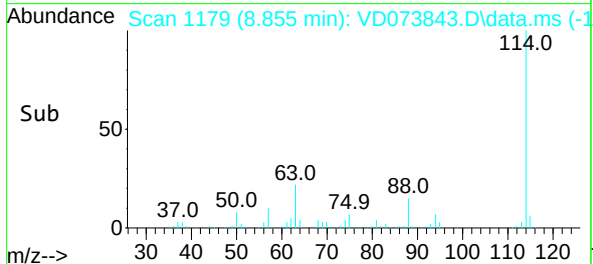
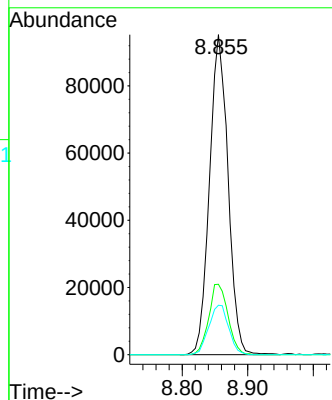
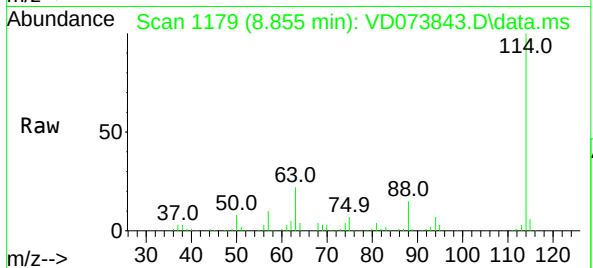
Tgt Ion:114 Resp: 186714

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.0

88 15.4 0.0 33.0



#35

Dibromofluoromethane

Concen: 52.939 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VD073843.D

Acq: 12 Jul 2022 17:29

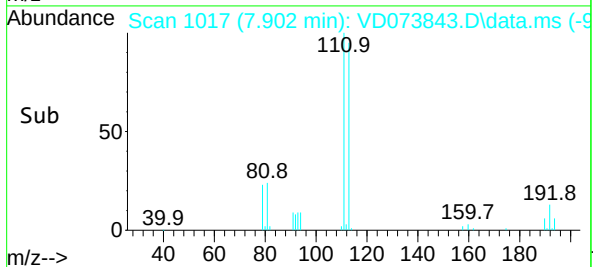
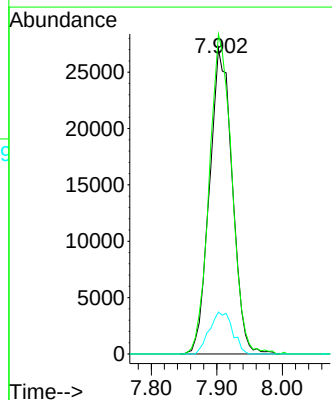
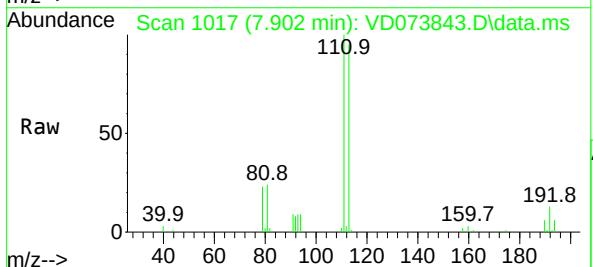
Tgt Ion:113 Resp: 65389

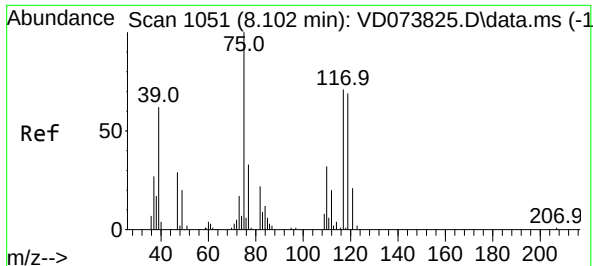
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.4

192 13.9 12.3 18.5





#36

1,1-Dichloropropene

Concen: 6.471 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073843.D

Acq: 12 Jul 2022 17:29

Instrument :

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ClientSampleId :

A-2-UC

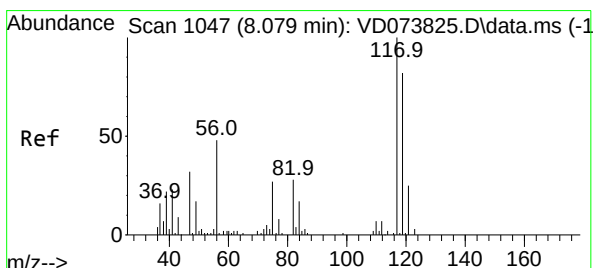
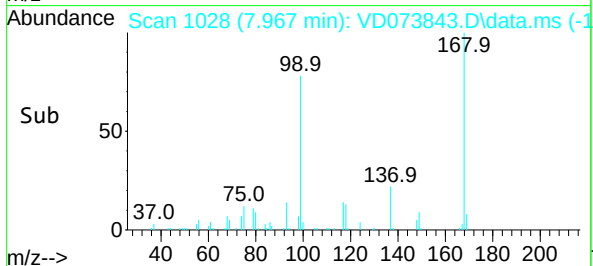
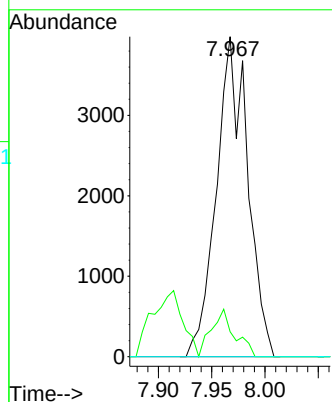
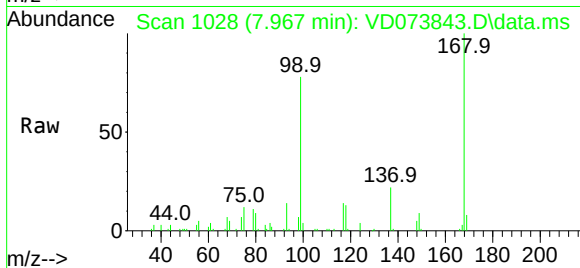
Tgt Ion: 75 Resp: 8087

Ion Ratio Lower Upper

75 100

110 11.1 16.0 47.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.055 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.106 min

Lab File: VD073843.D

Acq: 12 Jul 2022 17:29

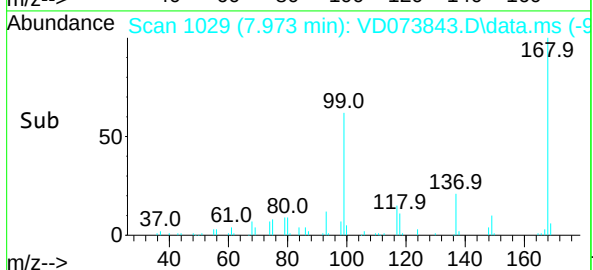
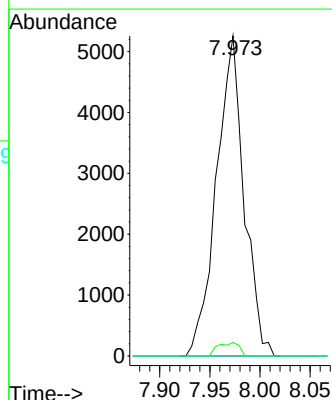
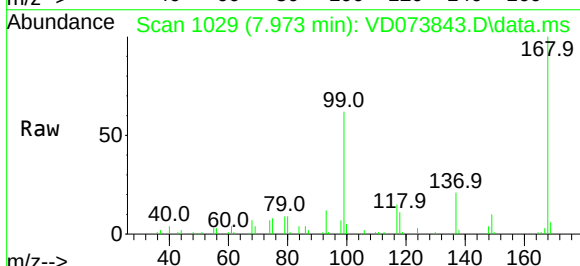
Tgt Ion: 117 Resp: 10070

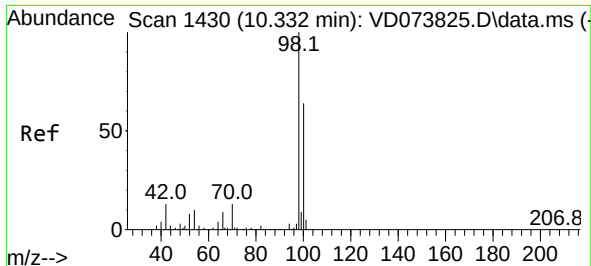
Ion Ratio Lower Upper

117 100

119 4.2 65.6 98.4#

121 0.0 20.1 30.1#

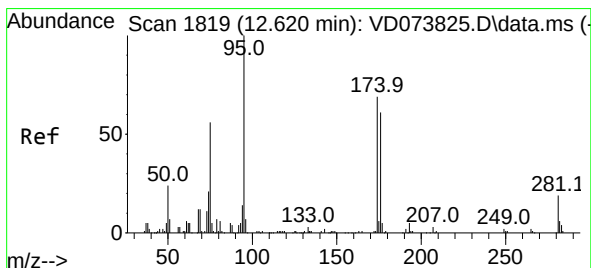
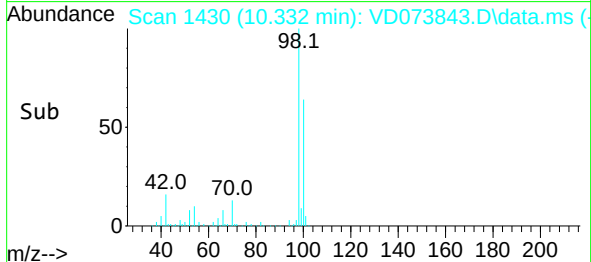
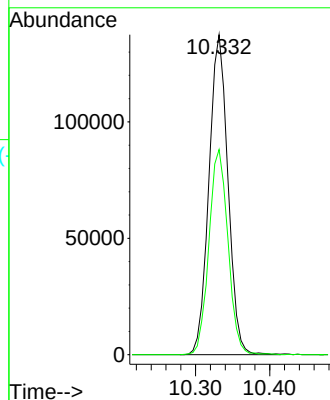
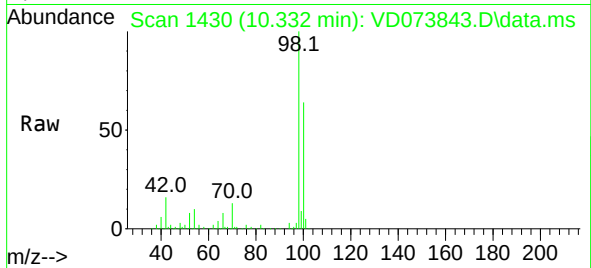




#50
Toluene-d8
Concen: 56.790 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

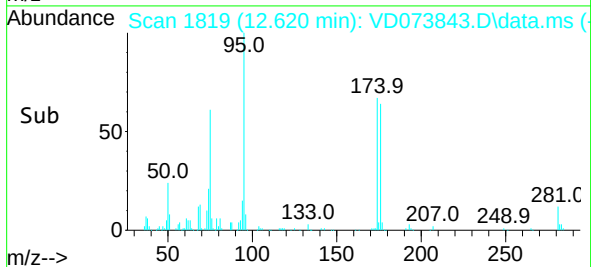
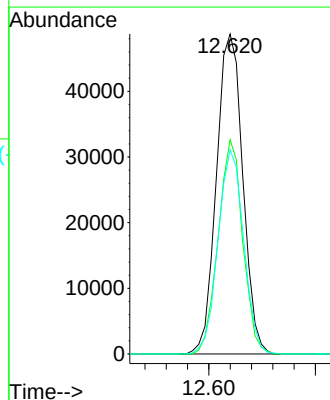
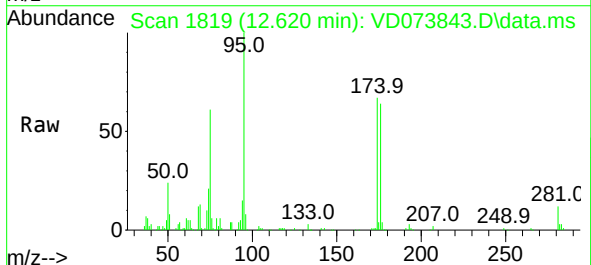
Instrument :
MSVOA_D
ClientSampleId :
A-2-UC

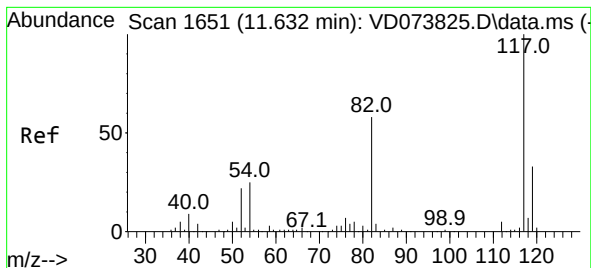
Tgt Ion: 98 Resp: 244598
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.695 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

Tgt Ion: 95 Resp: 83391
Ion Ratio Lower Upper
95 100
174 62.5 0.0 131.8
176 62.2 0.0 124.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD073843.D

Acq: 12 Jul 2022 17:29

Instrument :

MSVOA_D

ClientSampleId :

A-2-UC

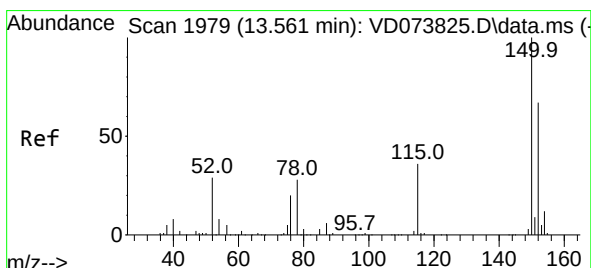
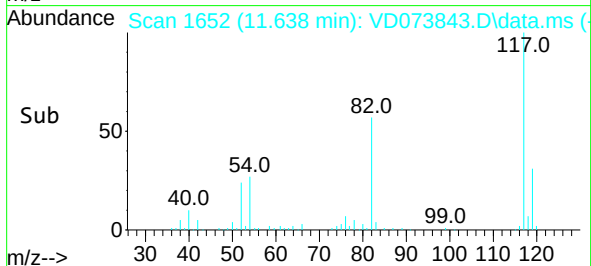
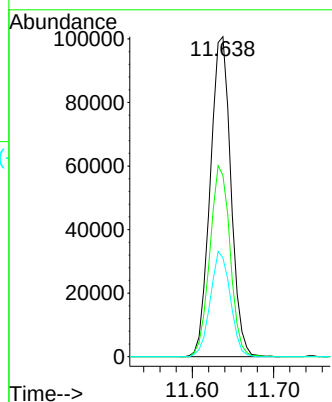
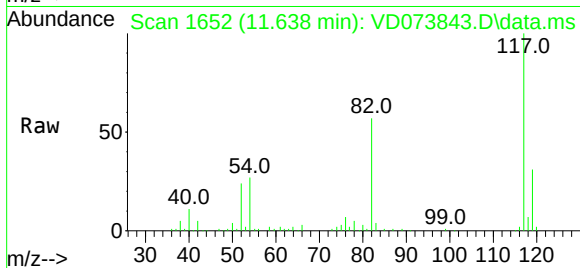
Tgt Ion:117 Resp: 177781

Ion Ratio Lower Upper

117 100

82 56.7 46.6 69.8

119 30.9 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073843.D

Acq: 12 Jul 2022 17:29

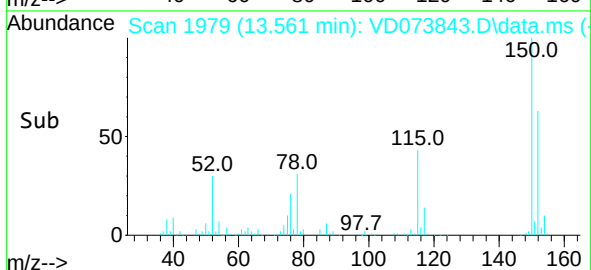
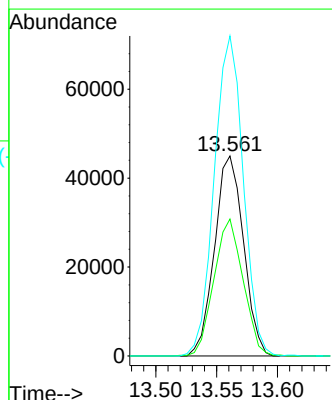
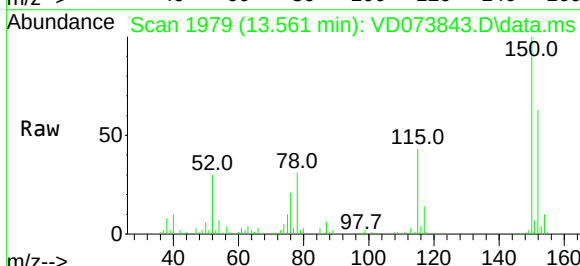
Tgt Ion:152 Resp: 74543

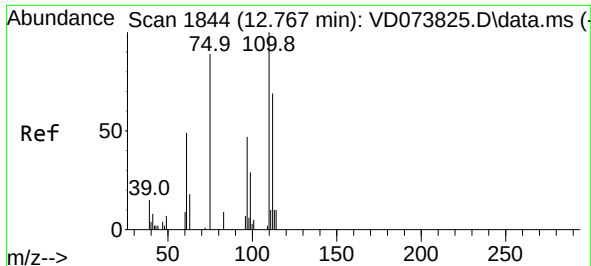
Ion Ratio Lower Upper

152 100

115 68.8 33.5 100.5

150 160.2 0.0 343.2

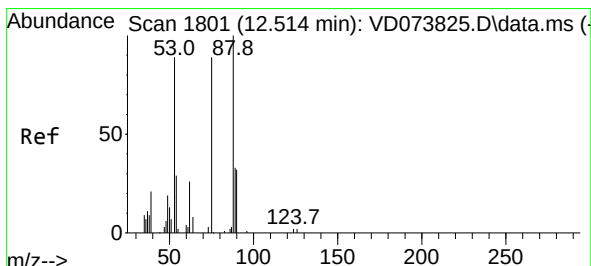
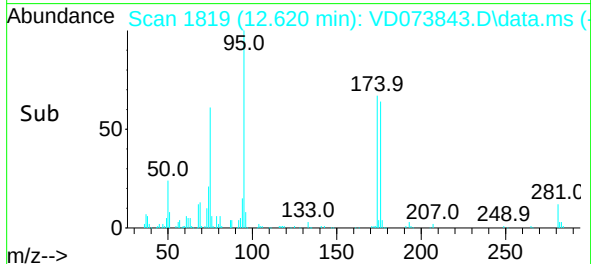
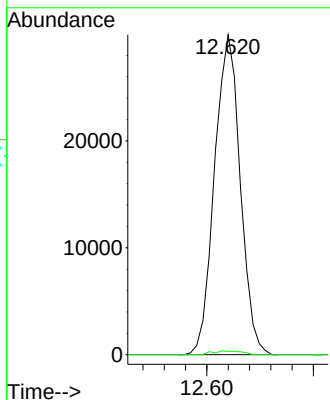
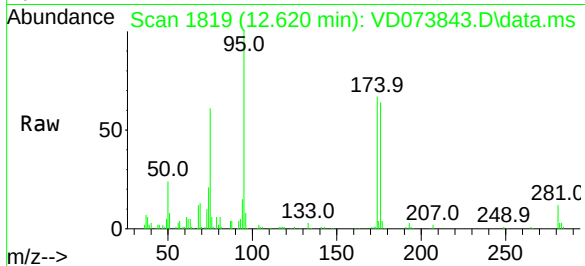




#76
1,2,3-Trichloropropane
Concen: 62.125 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

Instrument :
MSVOA_D
ClientSampleId :
A-2-UC

Tgt Ion: 75 Resp: 50099
Ion Ratio Lower Upper
75 100
77 1.3 138.0 414.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.270 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073843.D
Acq: 12 Jul 2022 17:29

Tgt Ion: 75 Resp: 50099
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.2 34.8 52.2#

