

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073840.D
 Acq On : 12 Jul 2022 15:57
 Operator : VA/SY
 Sample : N3649-03
 Misc : 6.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-3-LC

Quant Time: Jul 13 04:31:54 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)

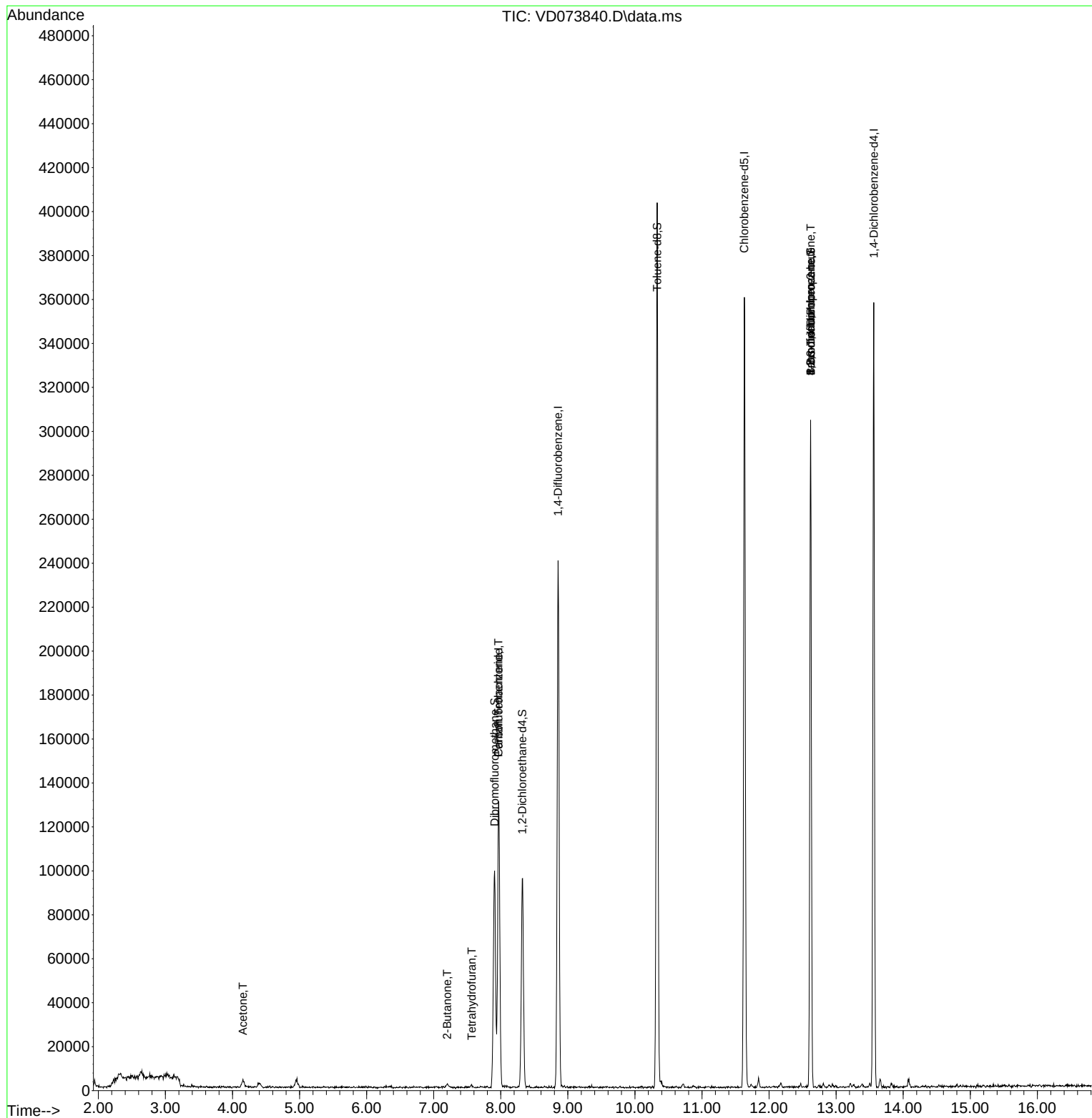
Internal Standards						
1) Pentafluorobenzene	7.967	168	80197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	190364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	183679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	78069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	75856	70.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.240%	
35) Dibromofluoromethane	7.908	113	68550	54.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.860%	
50) Toluene-d8	10.332	98	250696	57.090	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 114.180%	
62) 4-Bromofluorobenzene	12.620	95	90907	48.858	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 97.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	438	Below Cal	#	43
4) Vinyl Chloride	2.344	62	311	Below Cal	#	43
5) Bromomethane	2.767	94	980	Below Cal	#	44
16) Acetone	4.156	43	5452	29.625	ug/l	89
17) Carbon Disulfide	4.397	76	4171	Below Cal		96
18) Methyl Acetate	4.708	43	74	Below Cal	#	55
20) Methylene Chloride	4.944	84	2524	Below Cal	#	73
25) 2-Butanone	7.202	43	1513	5.465	ug/l	# 49
29) Tetrahydrofuran	7.567	42	866	5.252	ug/l	# 54
31) Cyclohexane	7.973	56	3227	Below Cal	#	58
38) Carbon Tetrachloride	7.967	117	10170	6.989	ug/l	# 24
71) Bromoform	12.620	173	729	1.166	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	51958	61.520	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	51958	161.681	ug/l	# 10

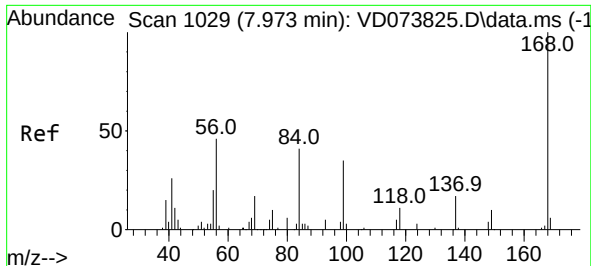
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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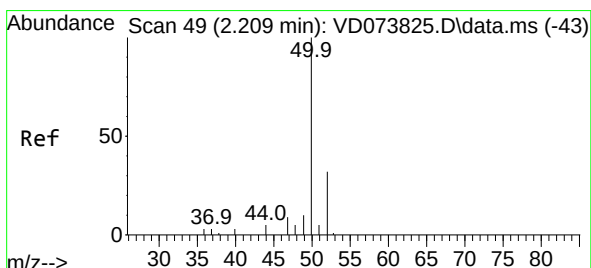
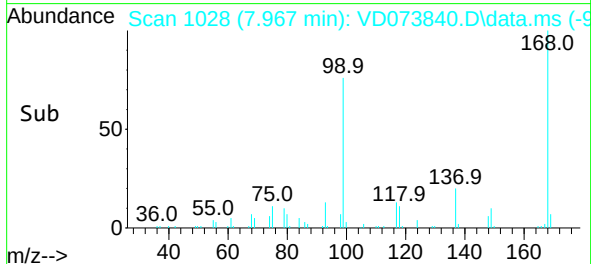
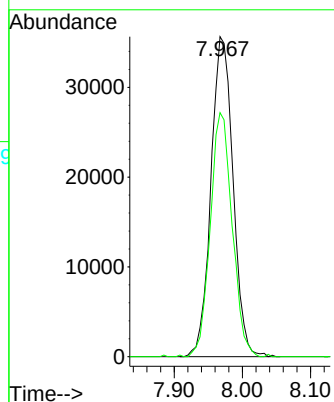
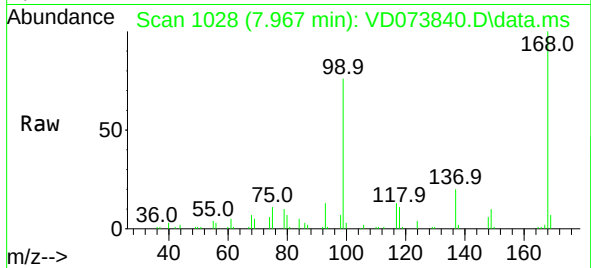




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

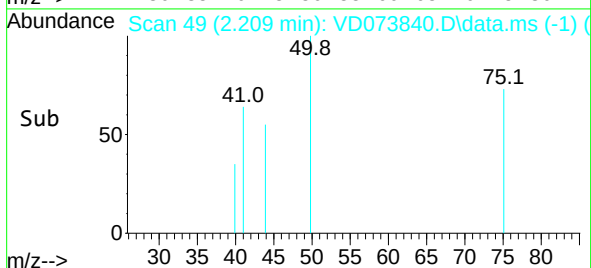
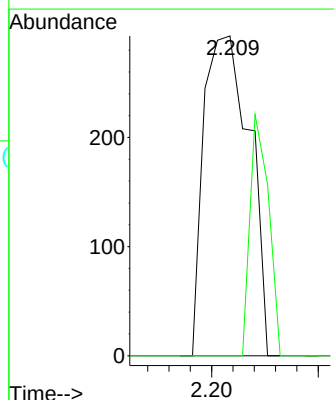
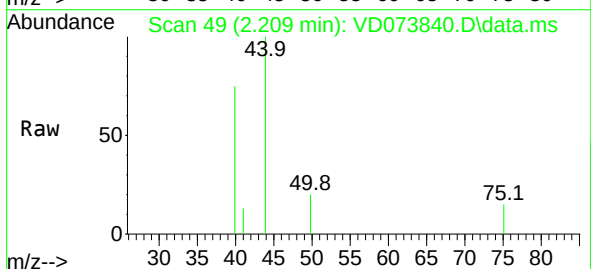
Instrument :
MSVOA_D
ClientSampleId :
A-3-LC

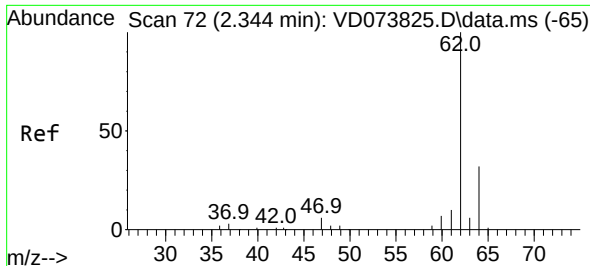
Tgt Ion:168 Resp: 80197
Ion Ratio Lower Upper
168 100
99 76.3 53.8 80.6



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 50 Resp: 438
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

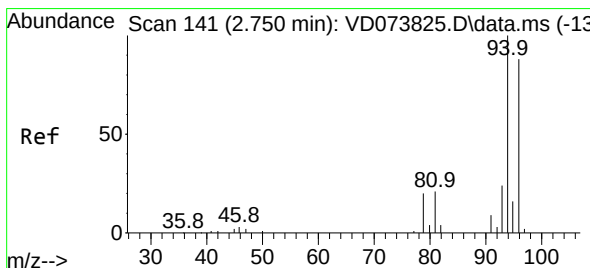
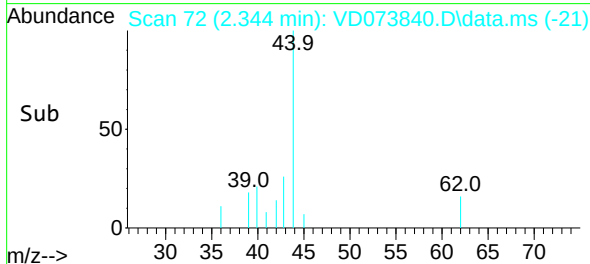
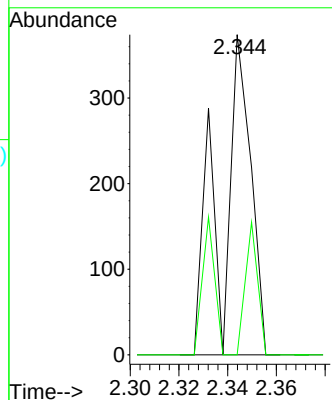
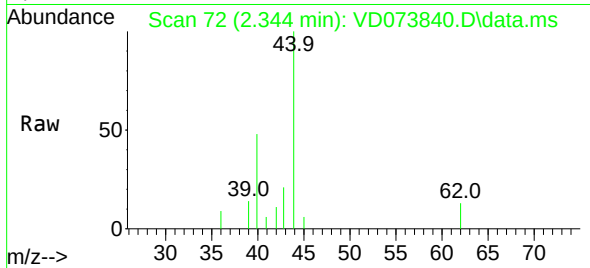




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.344 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VD073840.D
 Acq: 12 Jul 2022 15:57

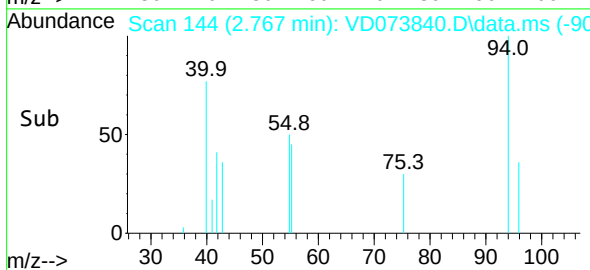
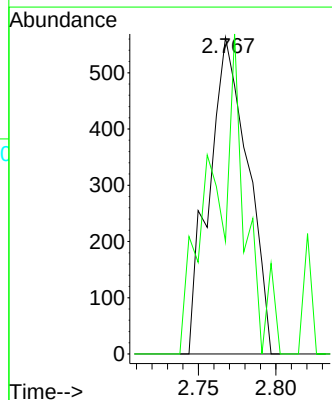
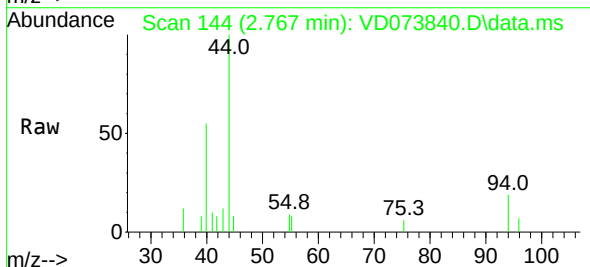
Instrument :
 MSVOA_D
 ClientSampleId :
 A-3-LC

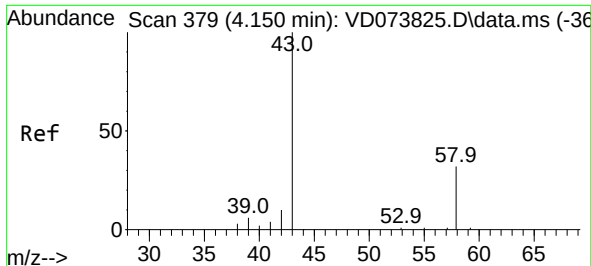
Tgt Ion: 62 Resp: 311
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.767 min Scan# 144
 Delta R.T. 0.017 min
 Lab File: VD073840.D
 Acq: 12 Jul 2022 15:57

Tgt Ion: 94 Resp: 980
 Ion Ratio Lower Upper
 94 100
 96 35.5 70.3 105.5#

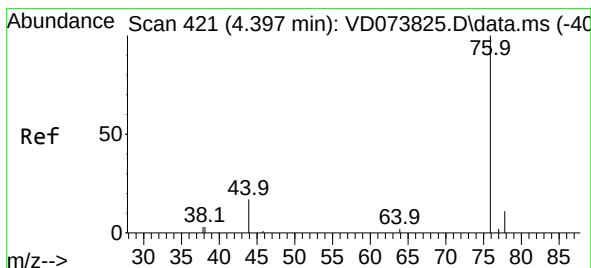
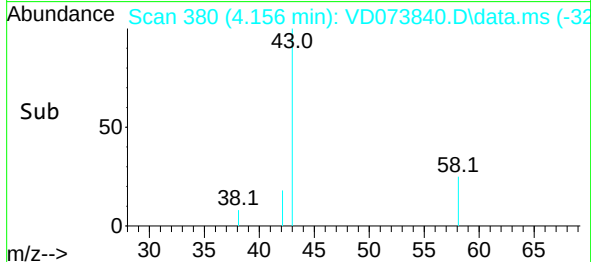
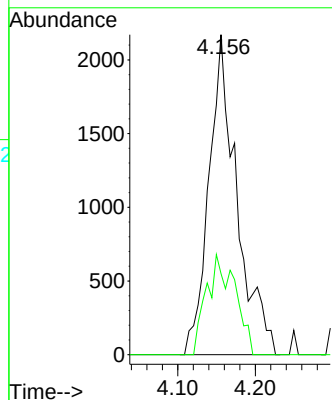
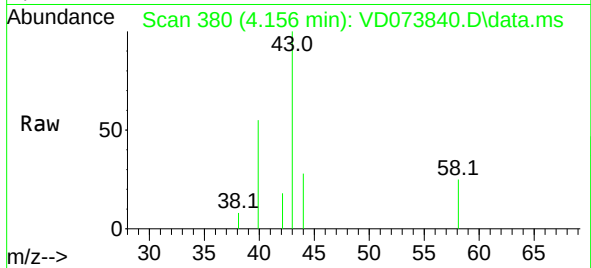




#16
Acetone
Concen: 29.625 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

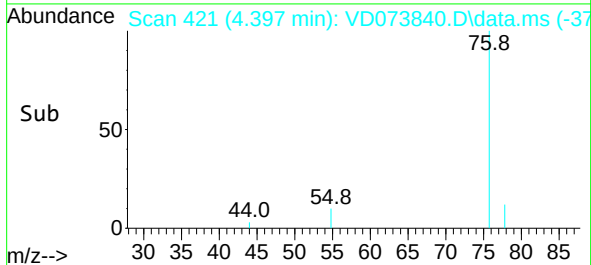
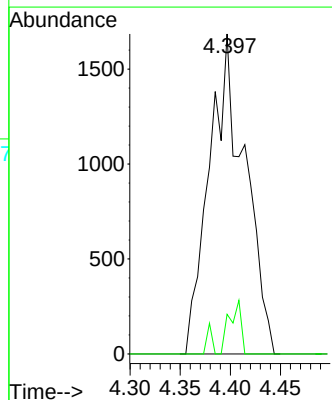
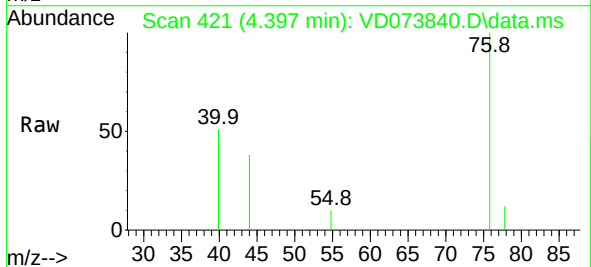
Instrument :
MSVOA_D
ClientSampleId :
A-3-LC

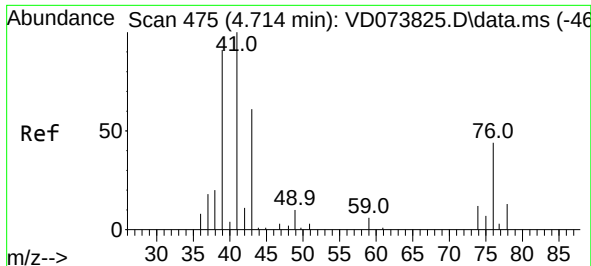
Tgt Ion: 43 Resp: 5452
Ion Ratio Lower Upper
43 100
58 25.3 25.2 37.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 421
Delta R.T. -0.000 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 76 Resp: 4171
Ion Ratio Lower Upper
76 100
78 12.4 8.7 13.1

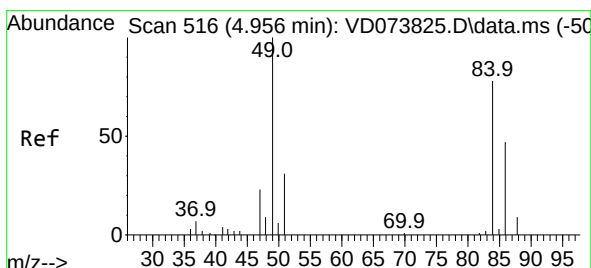
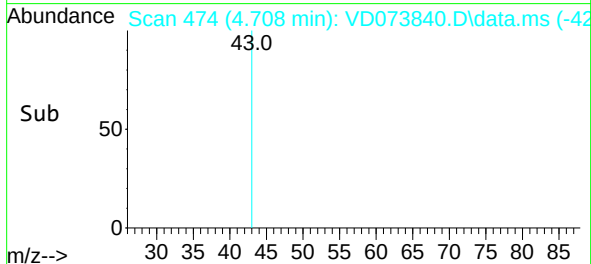
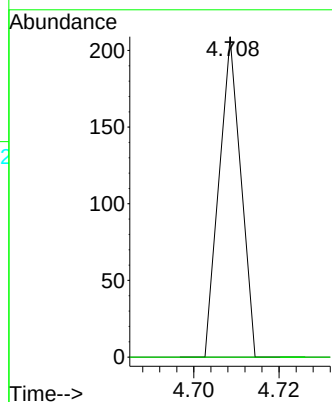
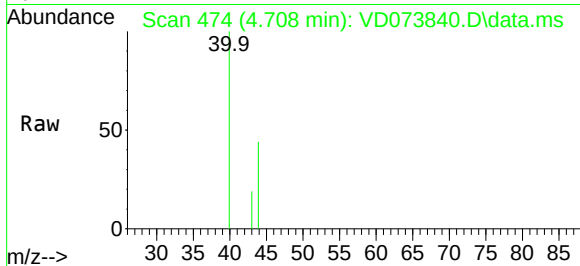




#18
Methyl Acetate
Concen: Below Cal
RT: 4.708 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

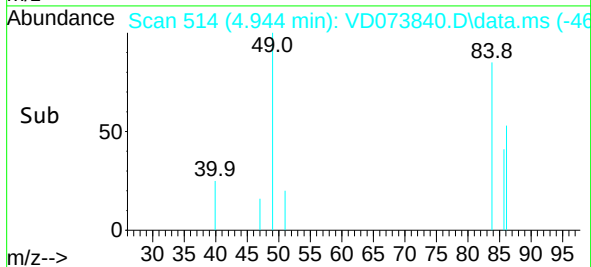
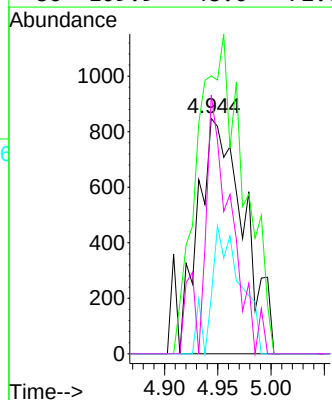
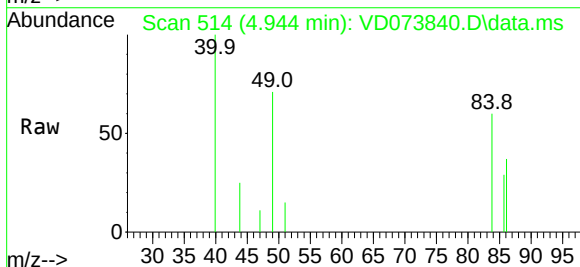
Instrument :
MSVOA_D
ClientSampleId :
A-3-LC

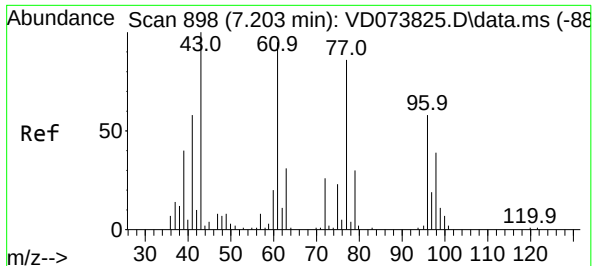
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.012 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 84 Resp: 2524
Ion Ratio Lower Upper
84 100
49 118.0 102.5 153.7
51 24.1 31.4 47.0#
86 109.9 48.0 72.0#





#25

2-Butanone

Concen: 5.465 ug/l

RT: 7.202 min Scan# 898

Delta R.T. -0.000 min

Lab File: VD073840.D

Acq: 12 Jul 2022 15:57

Instrument :

MSVOA_D

ClientSampleId :

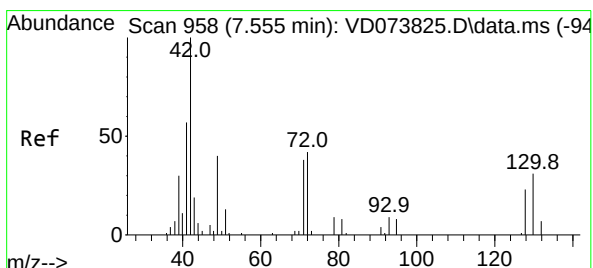
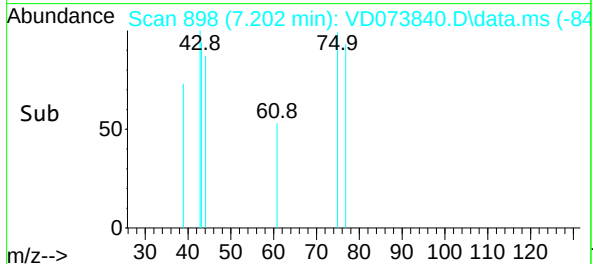
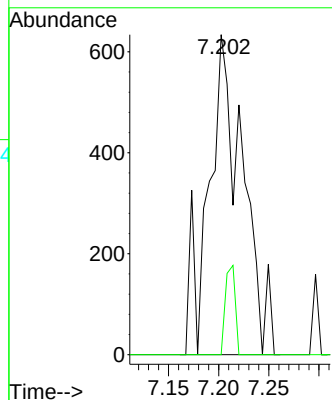
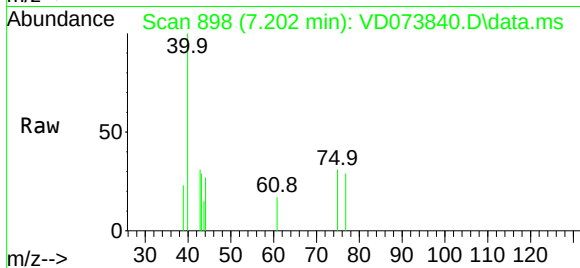
A-3-LC

Tgt Ion: 43 Resp: 1513

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#29

Tetrahydrofuran

Concen: 5.252 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.012 min

Lab File: VD073840.D

Acq: 12 Jul 2022 15:57

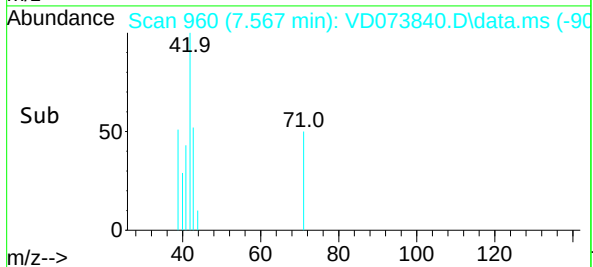
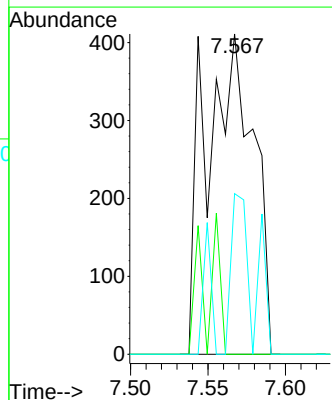
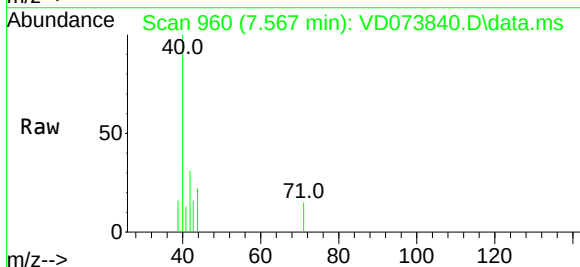
Tgt Ion: 42 Resp: 866

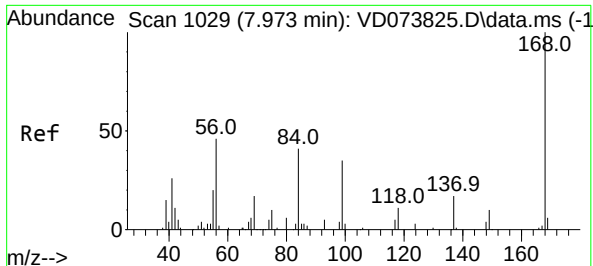
Ion Ratio Lower Upper

42 100

72 0.0 33.5 50.3#

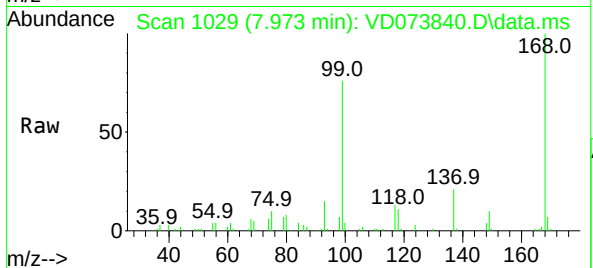
71 23.8 31.0 46.6#



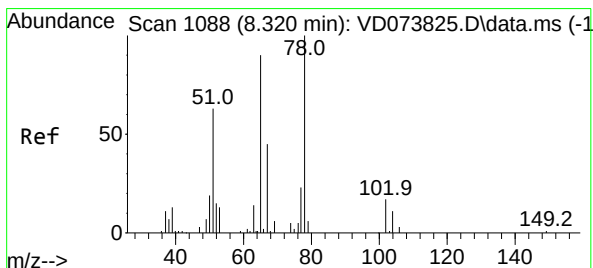
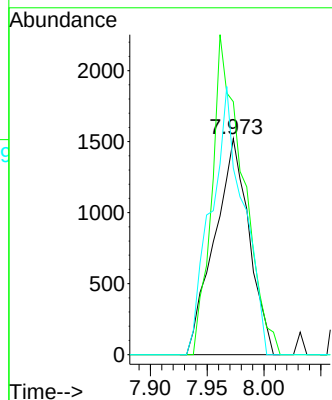
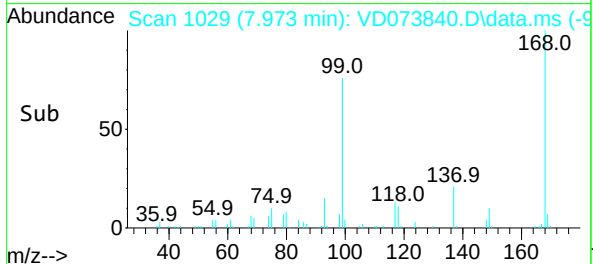


#31
Cyclohexane
Concen: Below Cal
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Instrument :
MSVOA_D
ClientSampleId :
A-3-LC

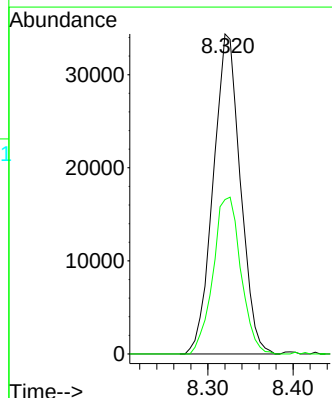
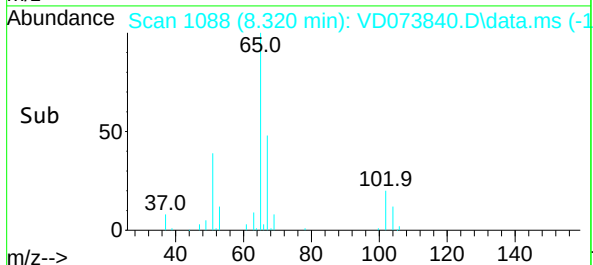
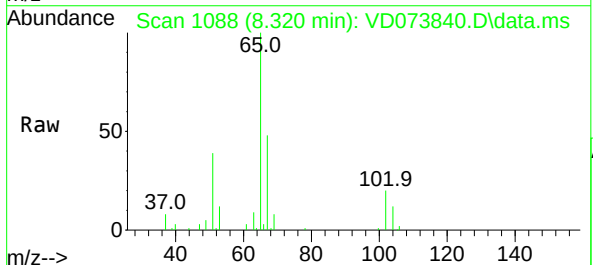


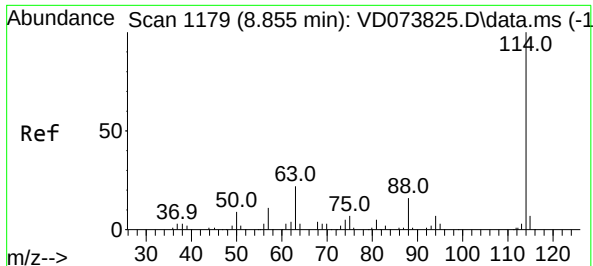
Tgt Ion: 56 Resp: 3227
Ion Ratio Lower Upper
56 100
69 117.1 29.1 43.7#
84 86.3 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 70.617 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 65 Resp: 75856
Ion Ratio Lower Upper
65 100
67 50.2 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: VD073840.D

Acq: 12 Jul 2022 15:57

Instrument :

MSVOA_D

ClientSampleId :

A-3-LC

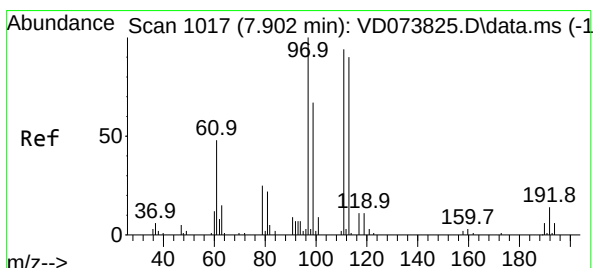
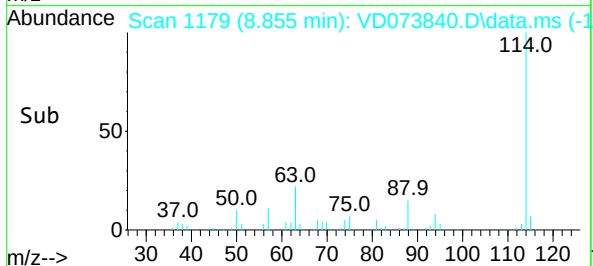
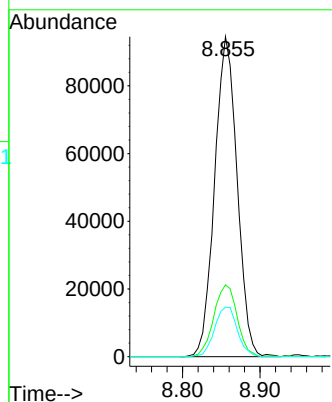
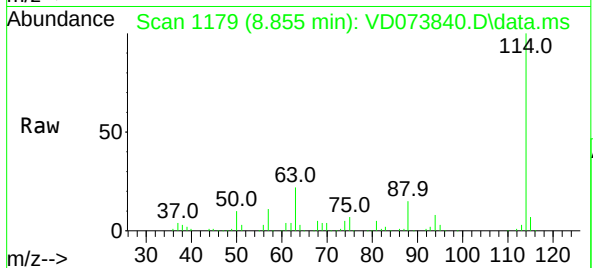
Tgt Ion:114 Resp: 190364

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.0

88 15.5 0.0 33.0



#35

Dibromofluoromethane

Concen: 54.434 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD073840.D

Acq: 12 Jul 2022 15:57

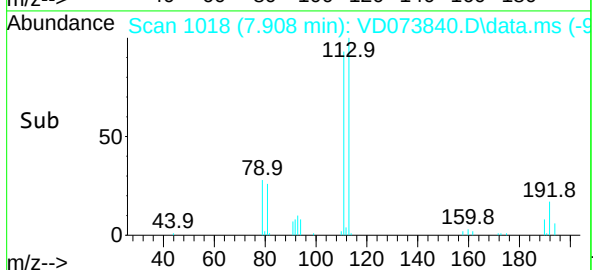
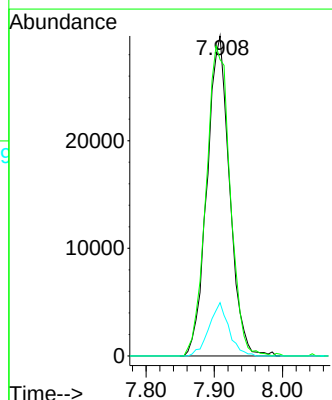
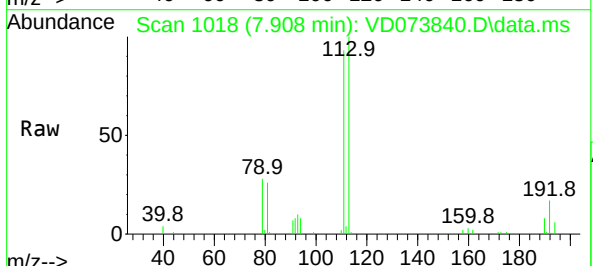
Tgt Ion:113 Resp: 68550

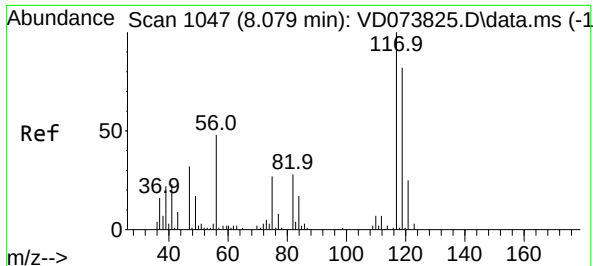
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 14.7 12.3 18.5

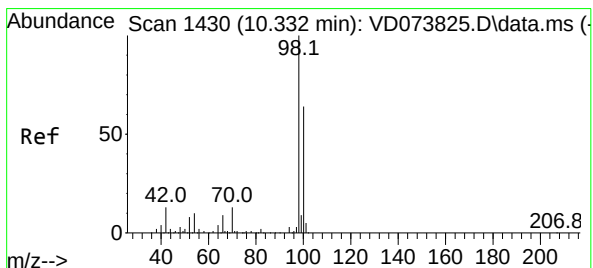
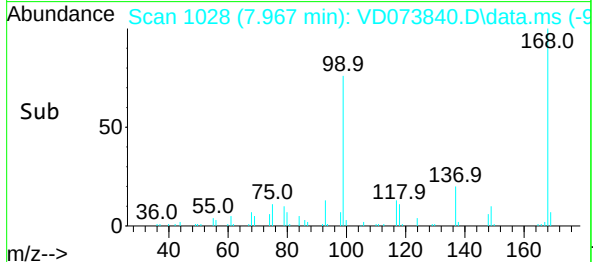
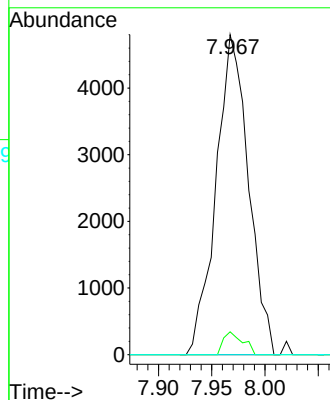
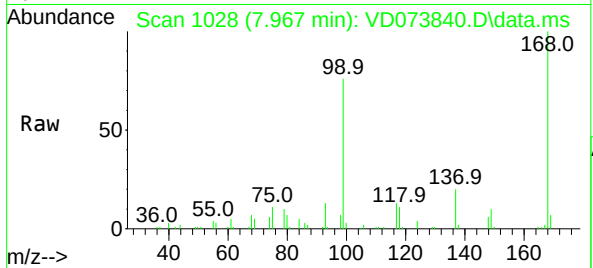




#38
Carbon Tetrachloride
Concen: 6.989 ug/l
RT: 7.967 min Scan# 1047
Delta R.T. -0.112 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

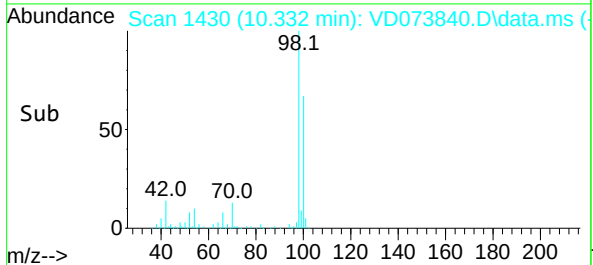
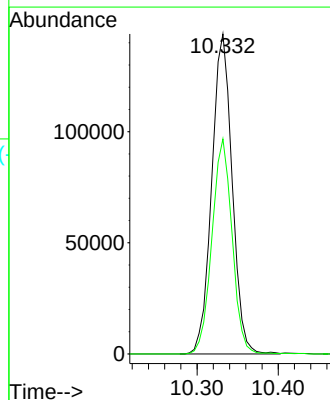
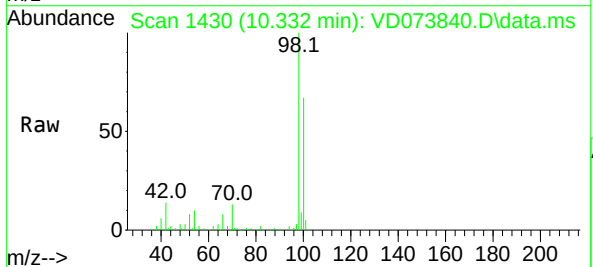
Instrument :
MSVOA_D
ClientSampleId :
A-3-LC

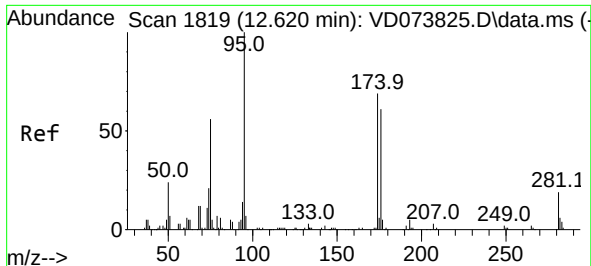
Tgt Ion:117 Resp: 10170
Ion Ratio Lower Upper
117 100
119 7.1 65.6 98.4#
121 0.0 20.1 30.1#



#50
Toluene-d8
Concen: 57.090 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 98 Resp: 250696
Ion Ratio Lower Upper
98 100
100 66.6 52.9 79.3

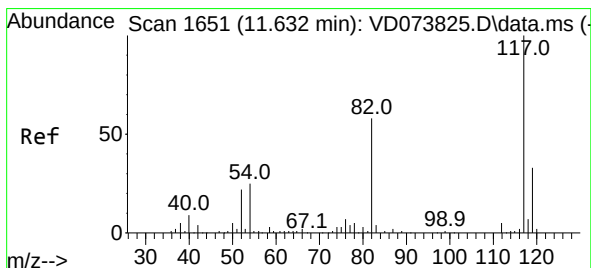
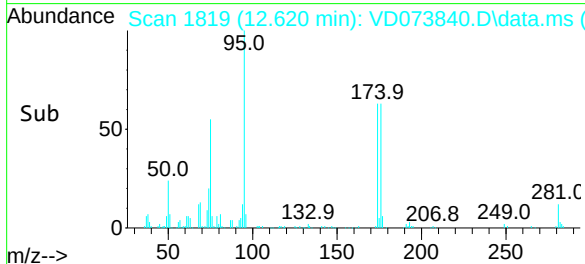
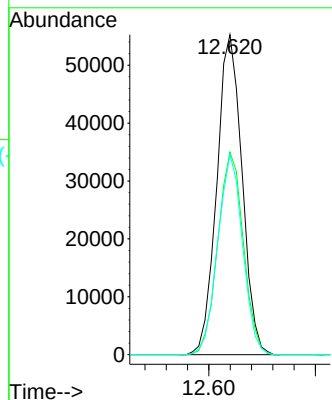
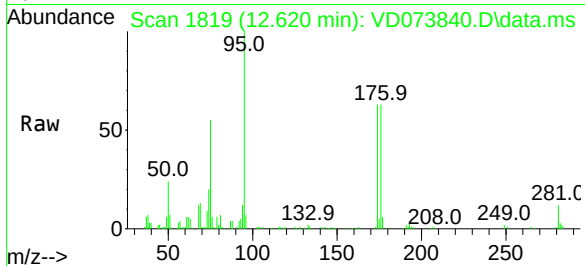




#62
4-Bromofluorobenzene
Concen: 48.858 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

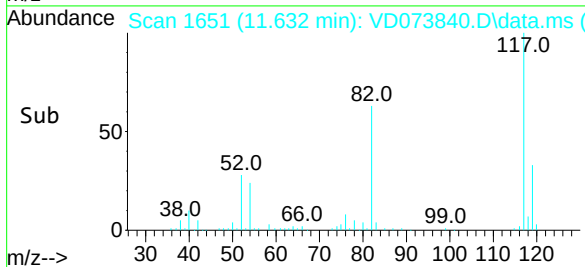
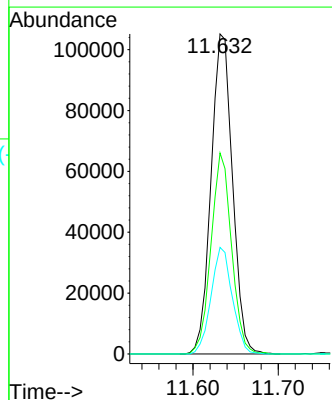
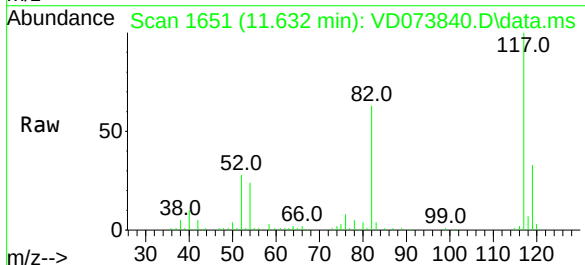
Instrument :
MSVOA_D
ClientSampleId :
A-3-LC

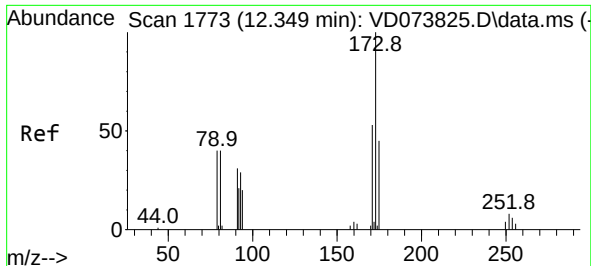
Tgt Ion: 95 Resp: 90907
Ion Ratio Lower Upper
95 100
174 64.0 0.0 131.8
176 61.5 0.0 124.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 117 Resp: 183679
Ion Ratio Lower Upper
117 100
82 62.8 46.6 69.8
119 33.3 26.1 39.1

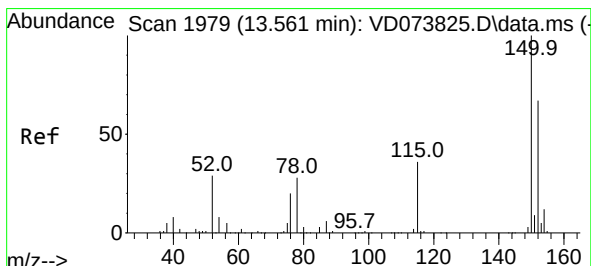
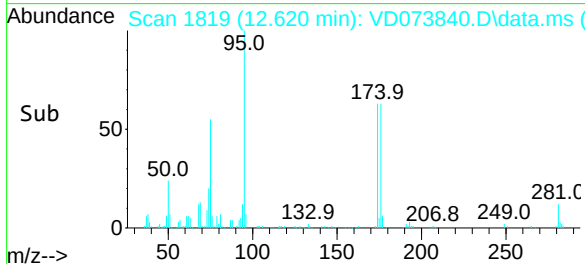
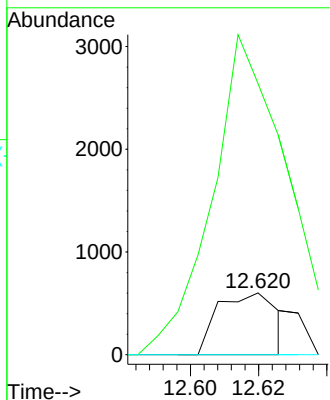
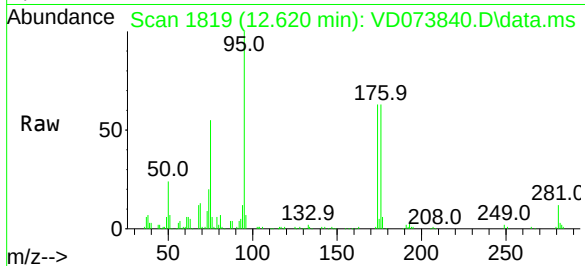




#71
Bromoform
Concen: 1.166 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

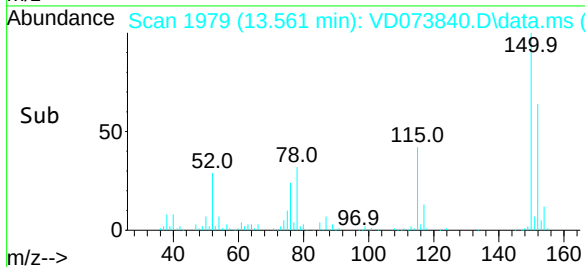
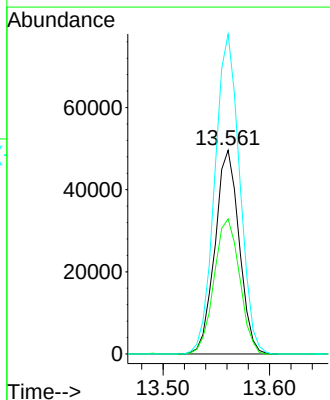
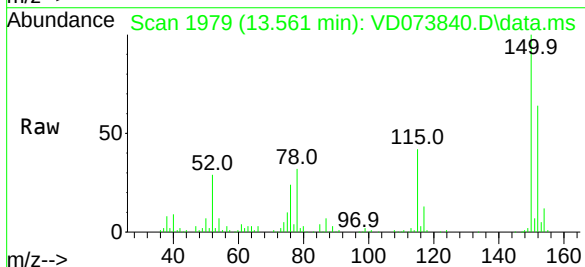
Instrument :
MSVOA_D
ClientSampleId :
A-3-LC

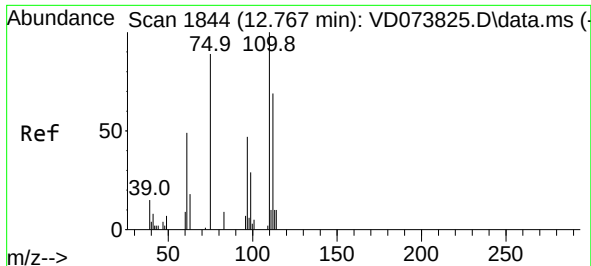
Tgt Ion:173 Resp: 729
Ion Ratio Lower Upper
173 100
175 542.0 23.4 70.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Tgt Ion:152 Resp: 78069
Ion Ratio Lower Upper
152 100
115 70.1 33.5 100.5
150 161.2 0.0 343.2

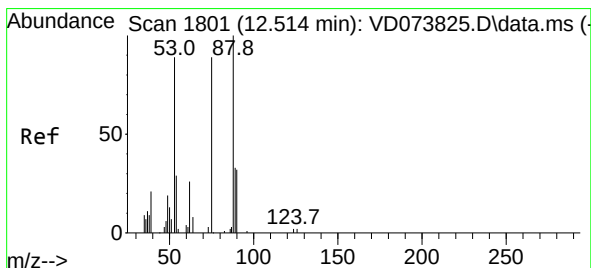
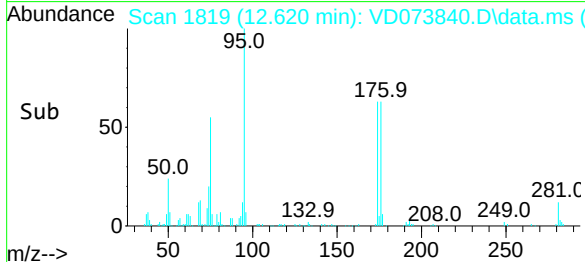
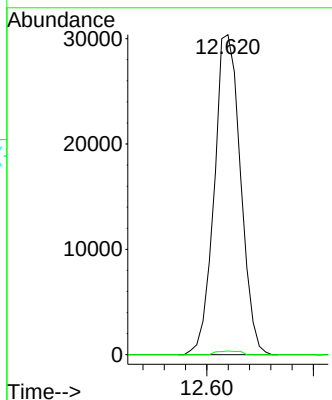
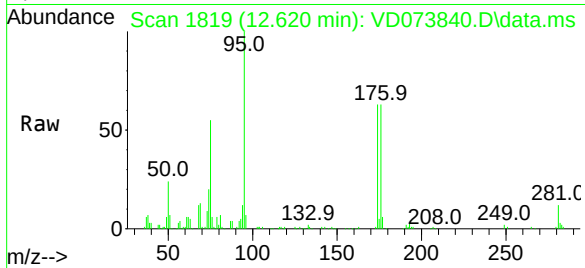




#76
1,2,3-Trichloropropane
Concen: 61.520 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Instrument :
MSVOA_D
ClientSampleId :
A-3-LC

Tgt Ion: 75 Resp: 51958
Ion Ratio Lower Upper
75 100
77 1.0 138.0 414.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 161.681 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073840.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 75 Resp: 51958
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.0 34.8 52.2#

