

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073841.D
 Acq On : 12 Jul 2022 16:28
 Operator : VA/SY
 Sample : N3649-04
 Misc : 4.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-6-UC

Quant Time: Jul 13 04:32:03 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)

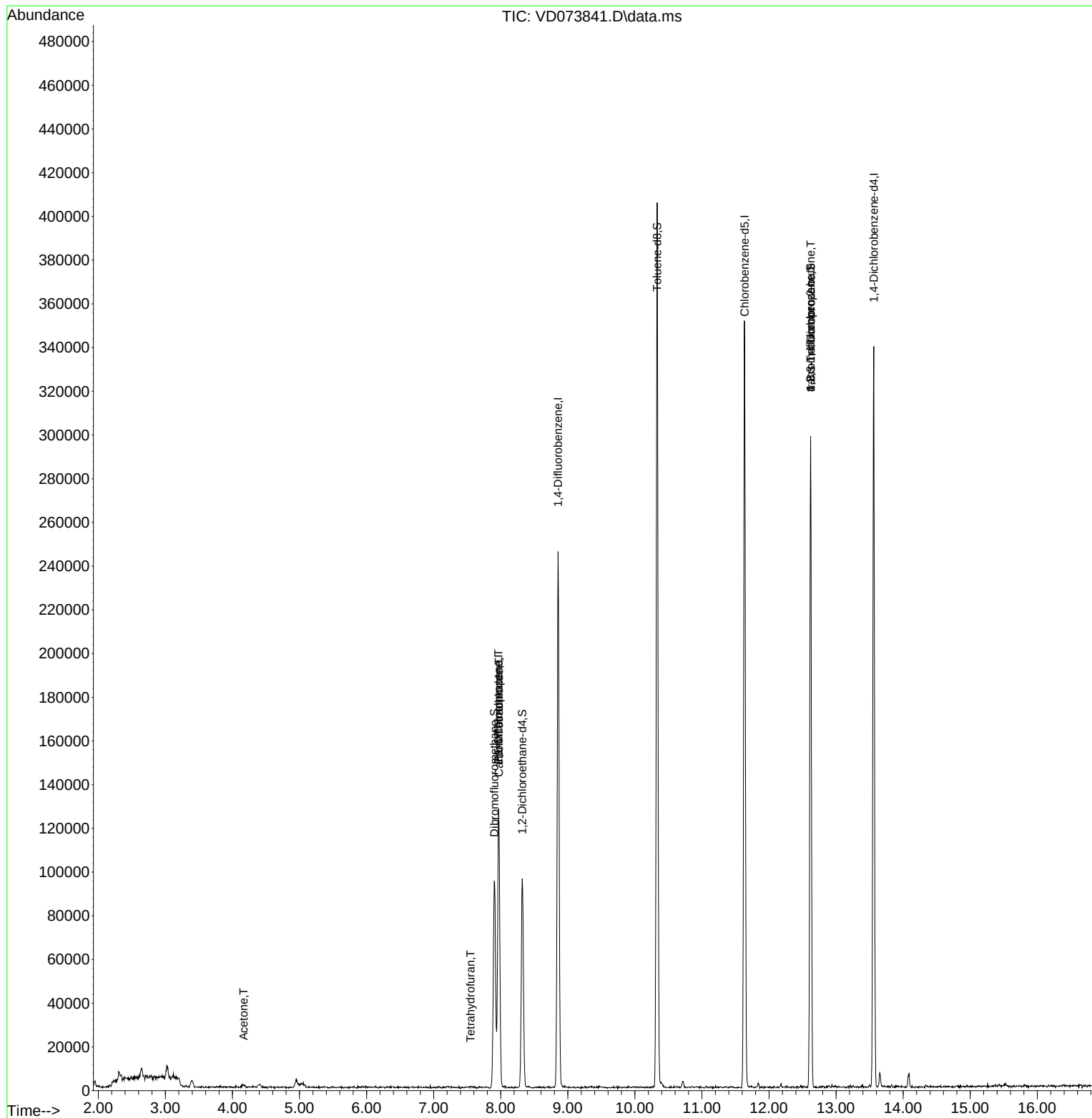
Internal Standards						
1) Pentafluorobenzene	7.967	168	78511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	187262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	179627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	76901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	75747	72.030	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.060%	
35) Dibromofluoromethane	7.903	113	66558	53.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.460%	
50) Toluene-d8	10.332	98	247198	57.226	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 114.460%	
62) 4-Bromofluorobenzene	12.620	95	86778	47.412	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 94.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	575	Below Cal	#	43
4) Vinyl Chloride	2.338	62	207	Below Cal	#	43
5) Bromomethane	2.768	94	789	Below Cal	#	73
16) Acetone	4.168	43	2401	13.327	ug/l	98
17) Carbon Disulfide	4.403	76	3331	Below Cal	#	71
18) Methyl Acetate	4.562	43	66	Below Cal	#	55
20) Methylene Chloride	4.950	84	2578	Below Cal		90
29) Tetrahydrofuran	7.550	42	176	1.090	ug/l #	35
31) Cyclohexane	7.985	56	2933	Below Cal	#	46
36) 1,1-Dichloropropene	7.967	75	9203	7.342	ug/l #	50
38) Carbon Tetrachloride	7.973	117	9864	6.891	ug/l #	23
76) 1,2,3-Trichloropropane	12.620	75	53424	64.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	53424	168.768	ug/l #	10

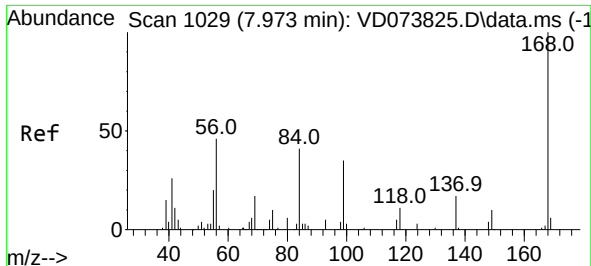
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 13 04:32:03 2022
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Quant Title : SW846 8260
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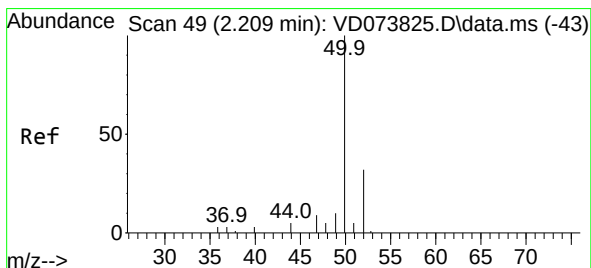
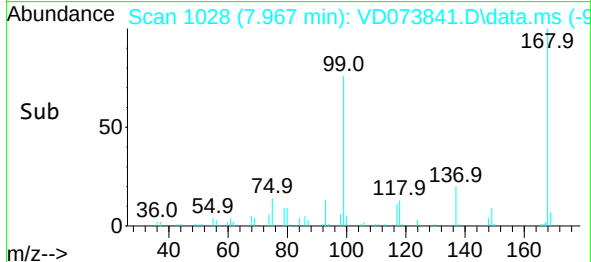
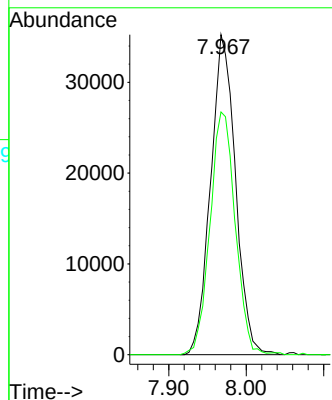
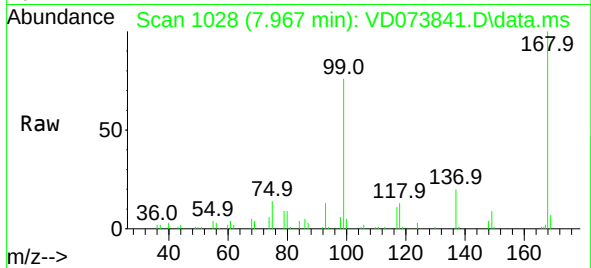




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

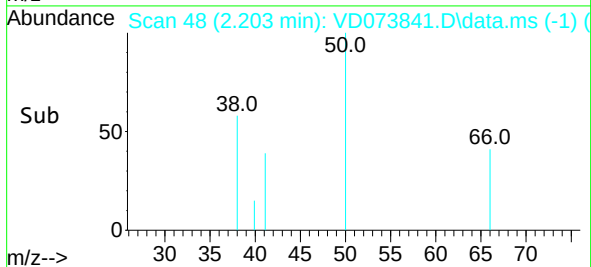
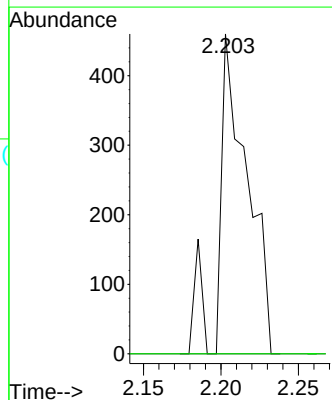
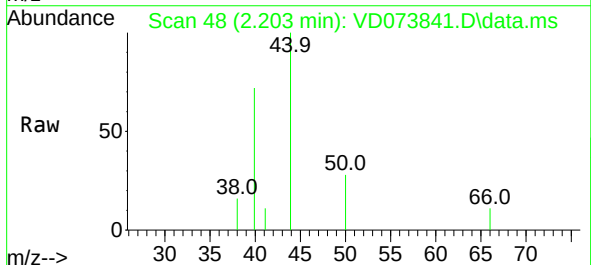
Instrument :
MSVOA_D
ClientSampleId :
A-6-UC

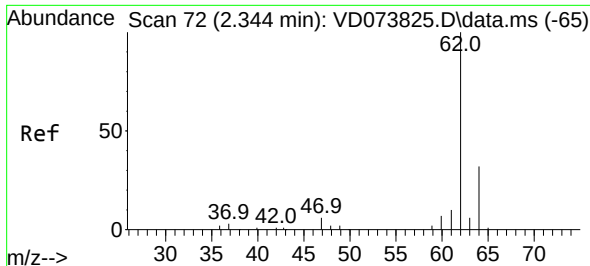
Tgt Ion:168 Resp: 78511
Ion Ratio Lower Upper
168 100
99 75.9 53.8 80.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

Tgt Ion: 50 Resp: 575
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.338 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VD073841.D
 Acq: 12 Jul 2022 16:28

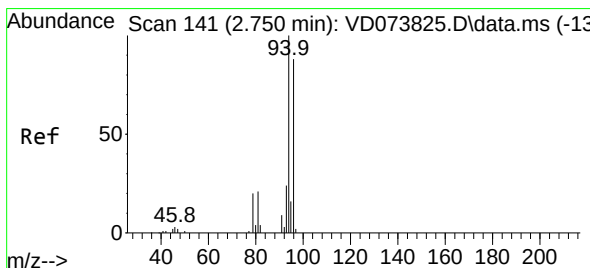
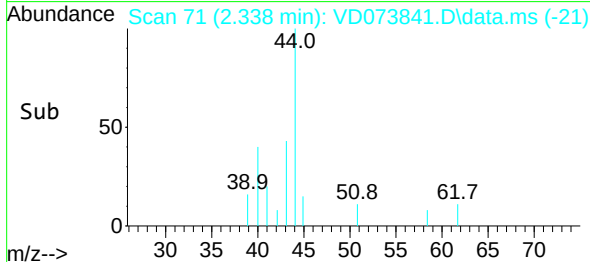
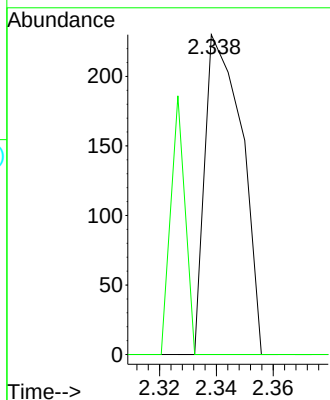
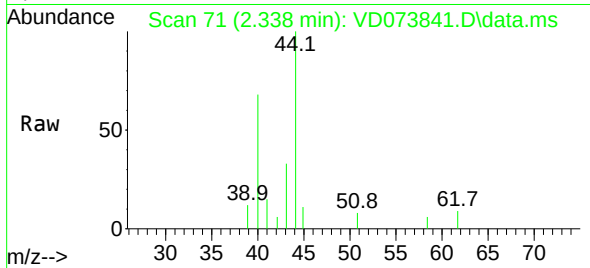
Instrument :

MSVOA_D

ClientSampleId :

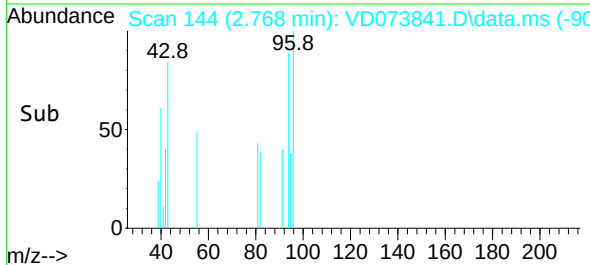
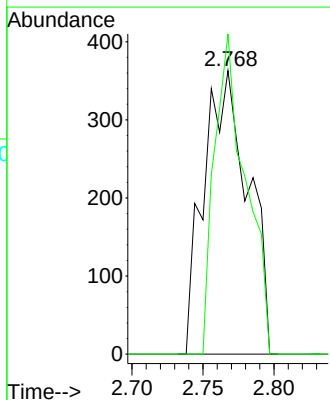
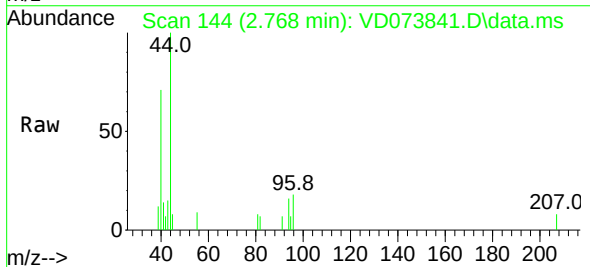
A-6-UC

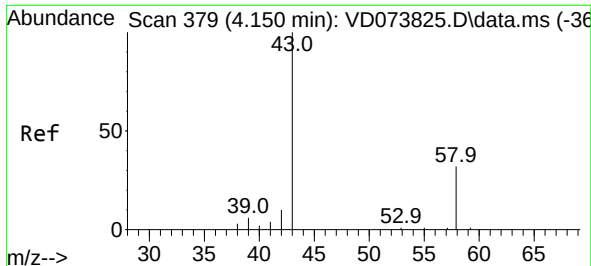
Tgt Ion: 62 Resp: 207
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.768 min Scan# 144
 Delta R.T. 0.018 min
 Lab File: VD073841.D
 Acq: 12 Jul 2022 16:28

Tgt Ion: 94 Resp: 789
 Ion Ratio Lower Upper
 94 100
 96 112.9 70.3 105.5#

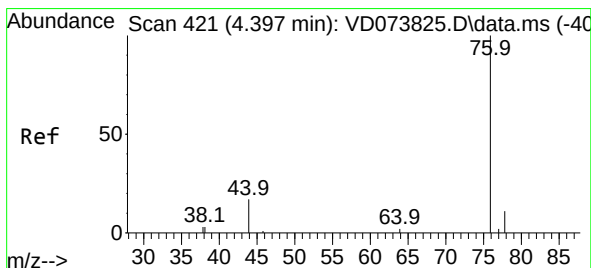
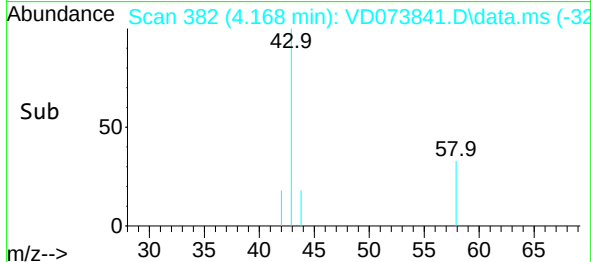
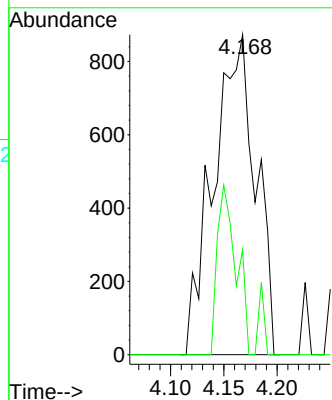
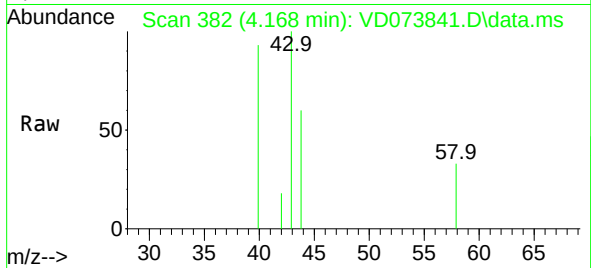




#16
Acetone
Concen: 13.327 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.018 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

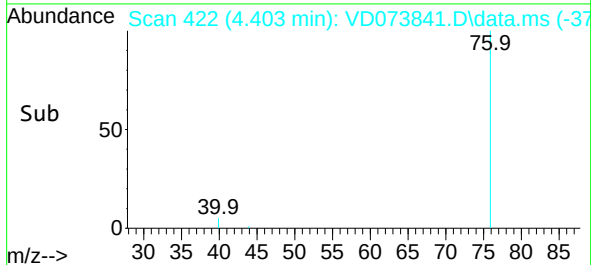
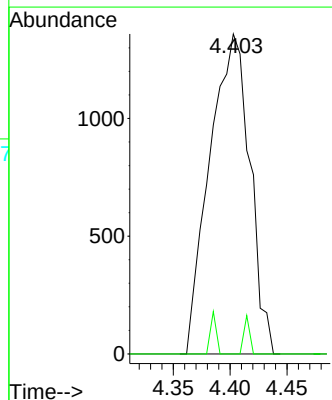
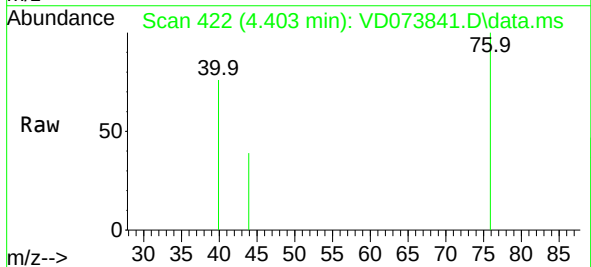
Instrument :
MSVOA_D
ClientSampleId :
A-6-UC

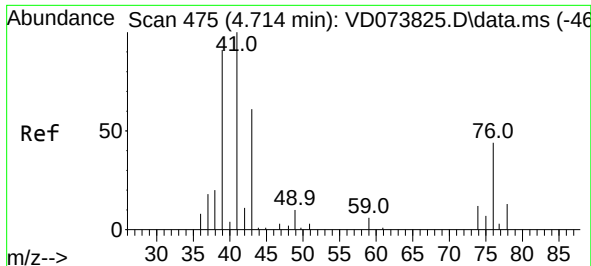
Tgt Ion: 43 Resp: 2401
Ion Ratio Lower Upper
43 100
58 32.8 25.2 37.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.403 min Scan# 422
Delta R.T. 0.006 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

Tgt Ion: 76 Resp: 3331
Ion Ratio Lower Upper
76 100
78 0.0 8.7 13.1#

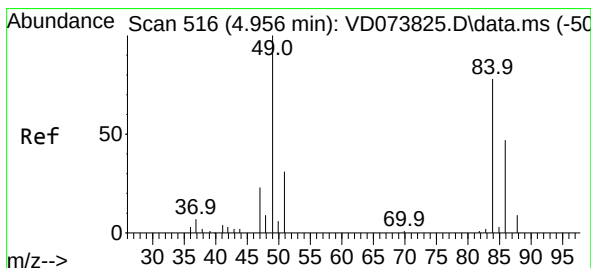
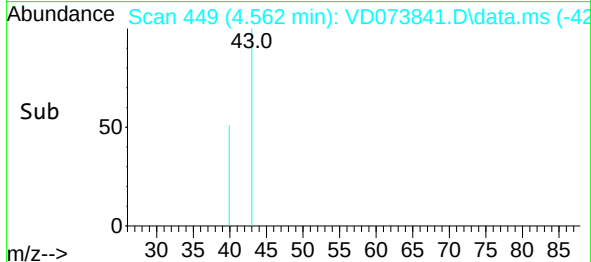
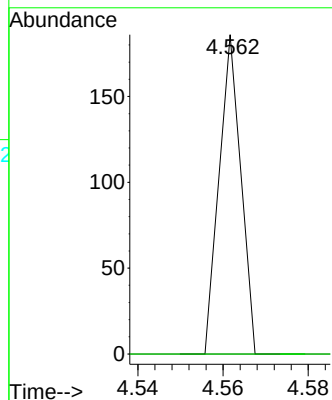
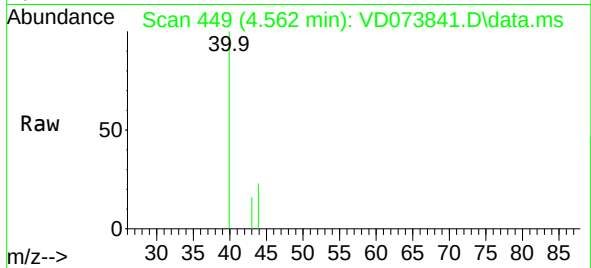




#18
Methyl Acetate
Concen: Below Cal
RT: 4.562 min Scan# 449
Delta R.T. -0.152 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

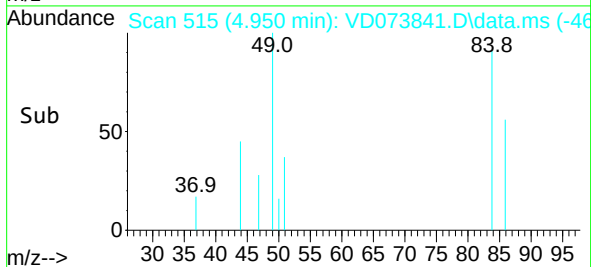
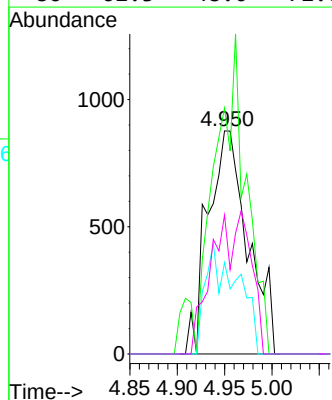
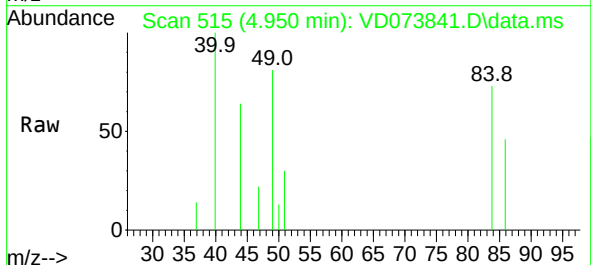
Instrument :
MSVOA_D
ClientSampleId :
A-6-UC

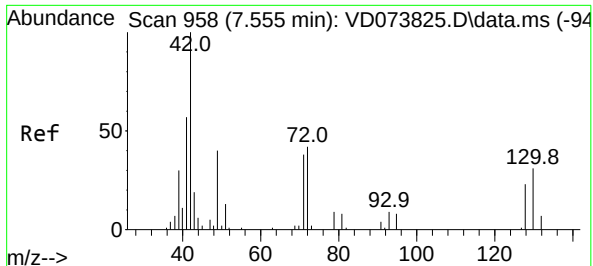
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

Tgt Ion: 84 Resp: 2578
Ion Ratio Lower Upper
84 100
49 110.3 102.5 153.7
51 40.9 31.4 47.0
86 62.3 48.0 72.0





#29

Tetrahydrofuran

Concen: 1.090 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD073841.D

Acq: 12 Jul 2022 16:28

Instrument :

MSVOA_D

ClientSampleId :

A-6-UC

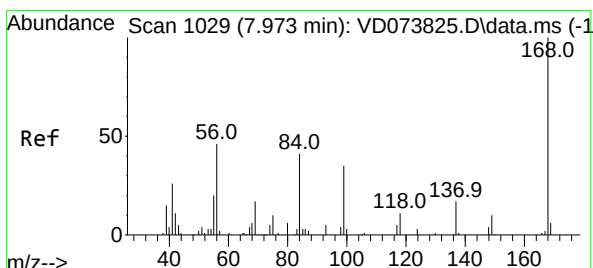
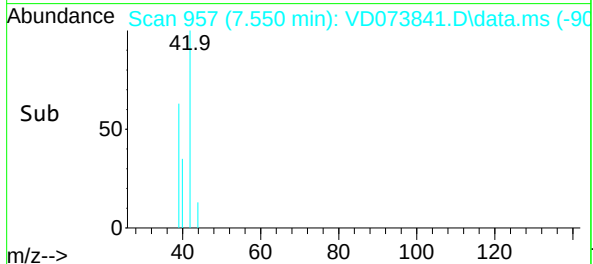
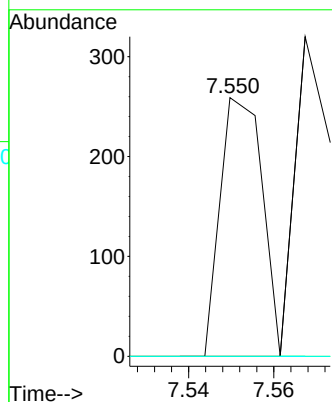
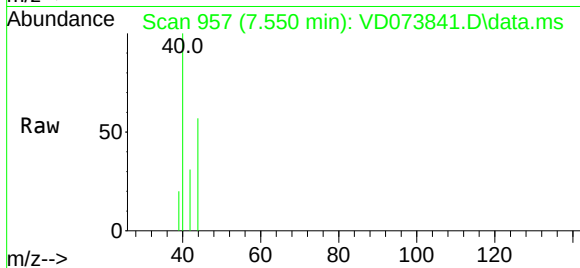
Tgt Ion: 42 Resp: 176

Ion Ratio Lower Upper

42 100

72 0.0 33.5 50.3#

71 0.0 31.0 46.6#



#31

Cyclohexane

Concen: Below Cal

RT: 7.985 min Scan# 1031

Delta R.T. 0.012 min

Lab File: VD073841.D

Acq: 12 Jul 2022 16:28

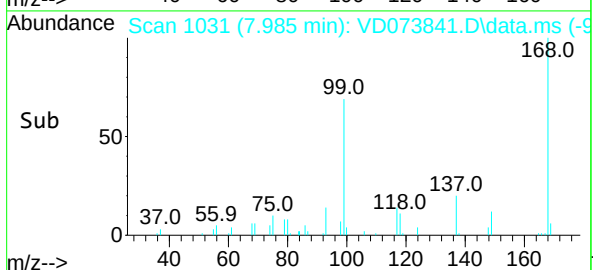
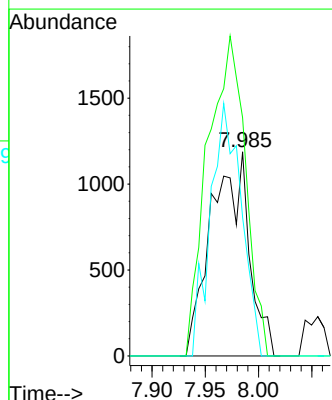
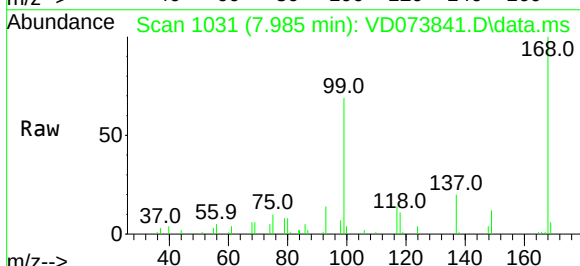
Tgt Ion: 56 Resp: 2933

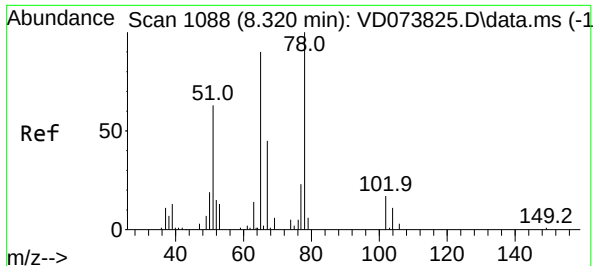
Ion Ratio Lower Upper

56 100

69 116.7 29.1 43.7#

84 67.9 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 72.030 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073841.D

Acq: 12 Jul 2022 16:28

Instrument :

MSVOA_D

ClientSampleId :

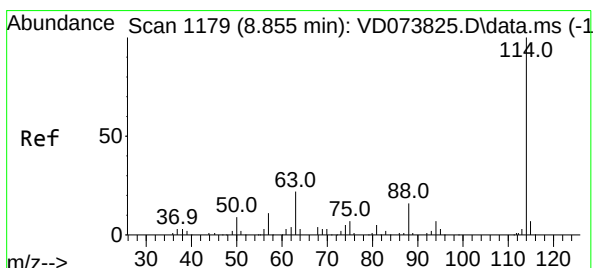
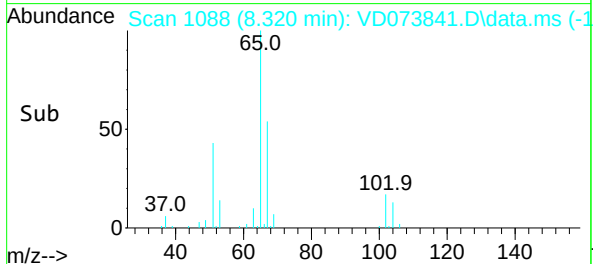
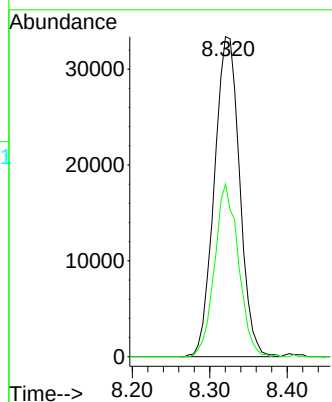
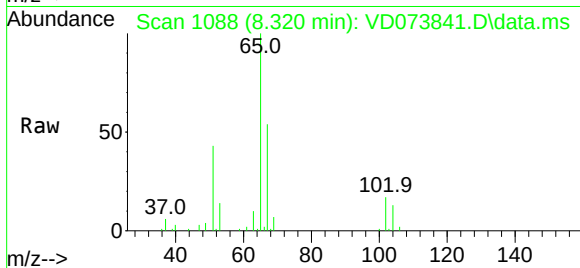
A-6-UC

Tgt Ion: 65 Resp: 75747

Ion Ratio Lower Upper

65 100

67 50.9 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073841.D

Acq: 12 Jul 2022 16:28

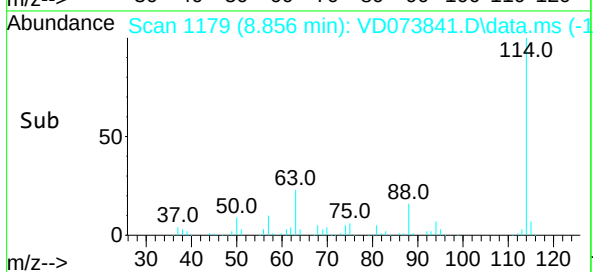
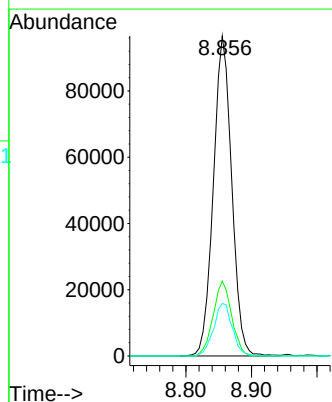
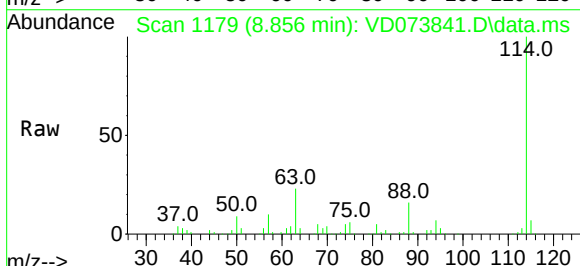
Tgt Ion: 114 Resp: 187262

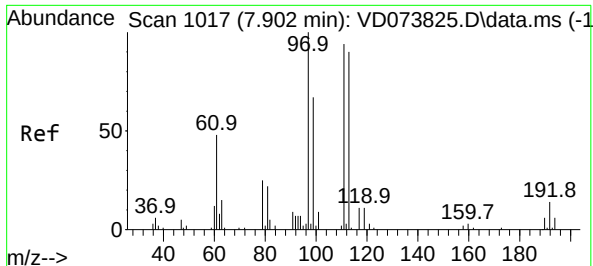
Ion Ratio Lower Upper

114 100

63 23.4 0.0 43.0

88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.728 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. 0.000 min

Lab File: VD073841.D

Acq: 12 Jul 2022 16:28

Instrument :

MSVOA_D

ClientSampleId :

A-6-UC

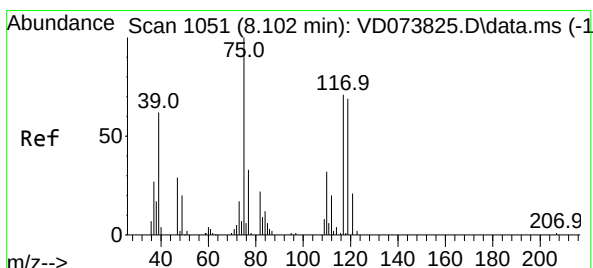
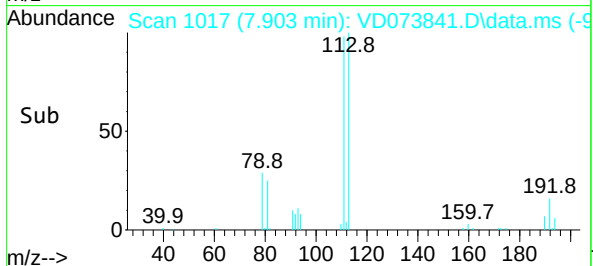
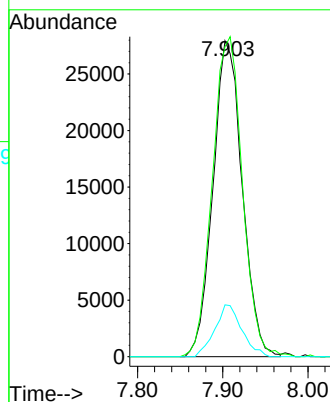
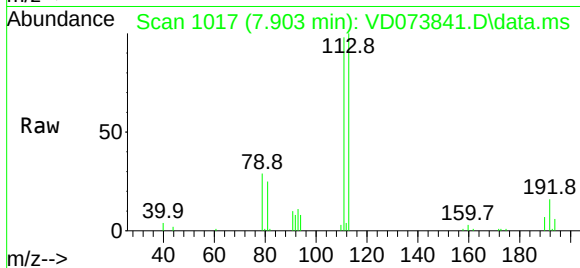
Tgt Ion:113 Resp: 66558

Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

192 15.2 12.3 18.5



#36

1,1-Dichloropropene

Concen: 7.342 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073841.D

Acq: 12 Jul 2022 16:28

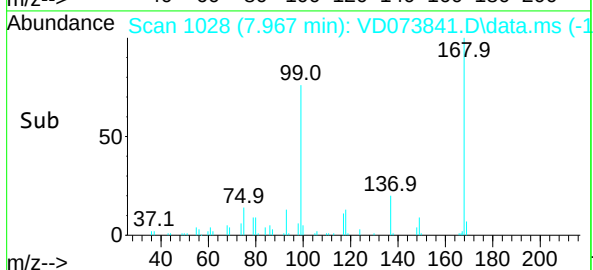
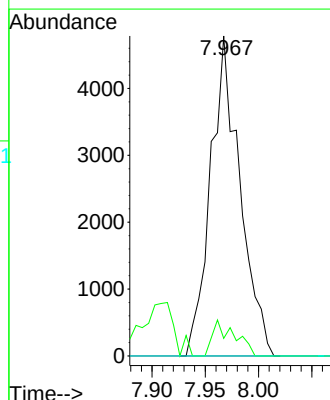
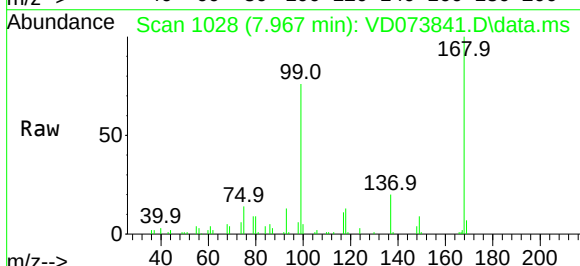
Tgt Ion: 75 Resp: 9203

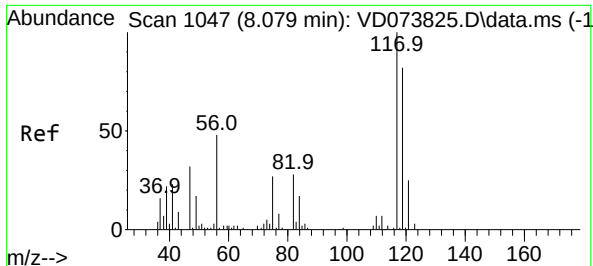
Ion Ratio Lower Upper

75 100

110 8.4 16.0 47.9#

77 0.0 25.3 37.9#

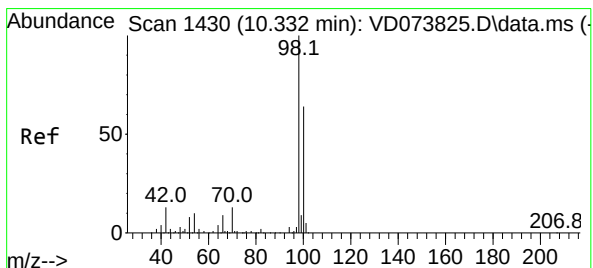
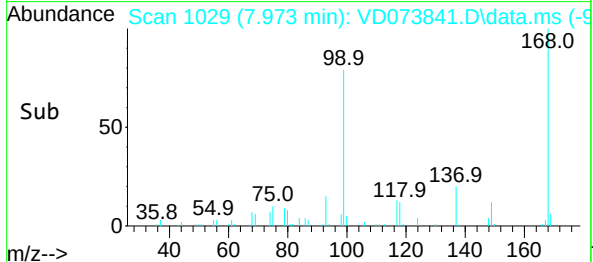
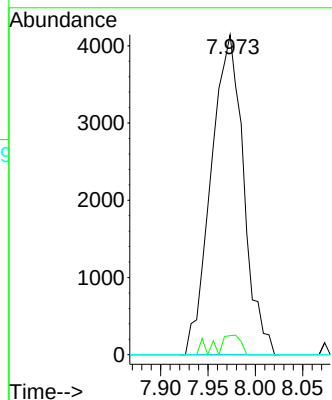
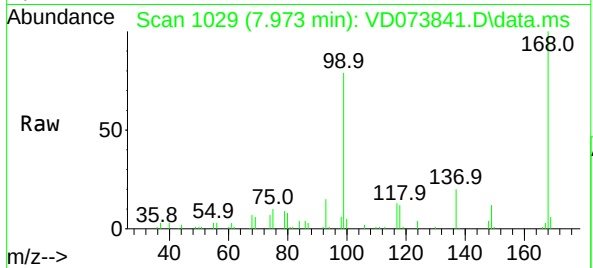




#38
Carbon Tetrachloride
Concen: 6.891 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.106 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

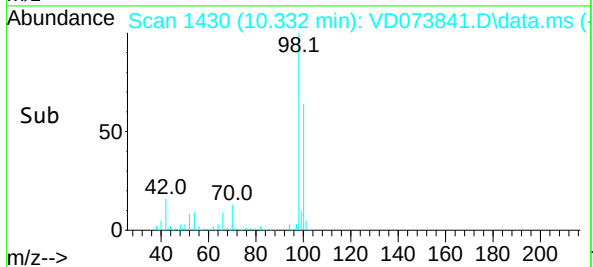
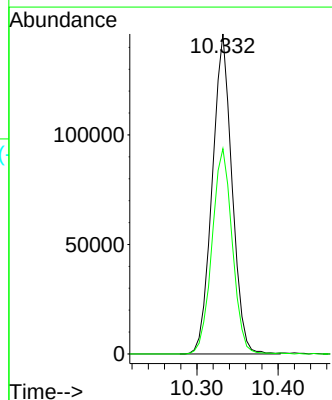
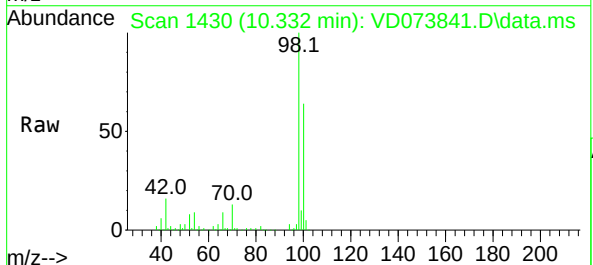
Instrument :
MSVOA_D
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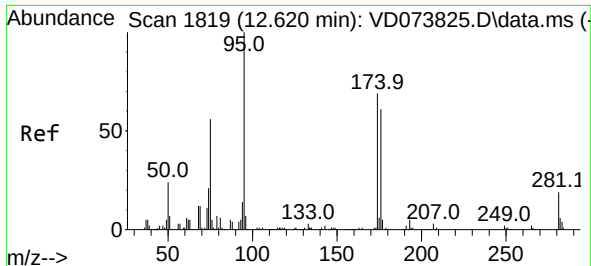
Tgt Ion:117 Resp: 9864
Ion Ratio Lower Upper
117 100
119 6.0 65.6 98.4#
121 0.0 20.1 30.1#



#50
Toluene-d8
Concen: 57.226 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

Tgt Ion: 98 Resp: 247198
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3

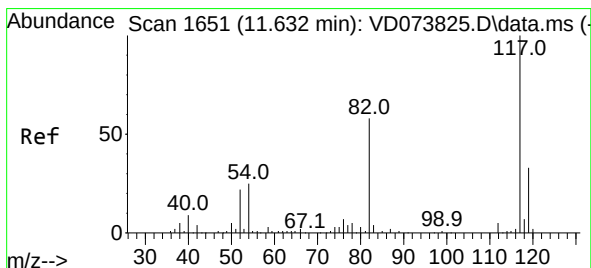
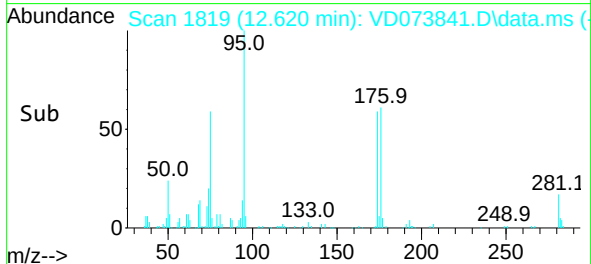
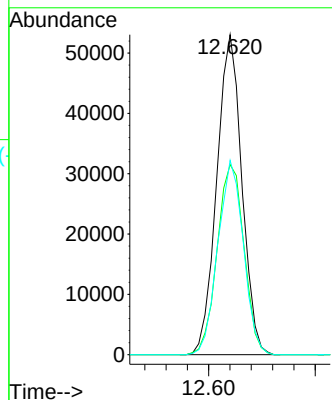
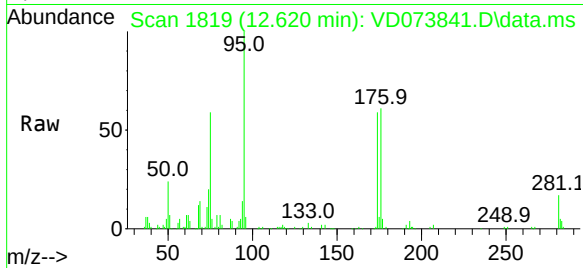




#62
4-Bromofluorobenzene
Concen: 47.412 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

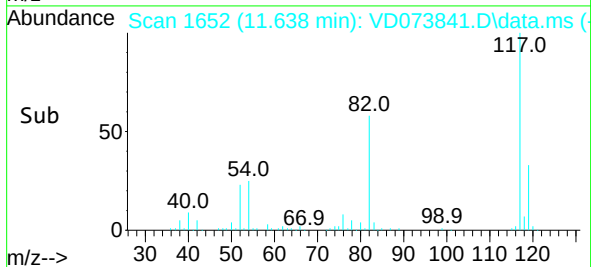
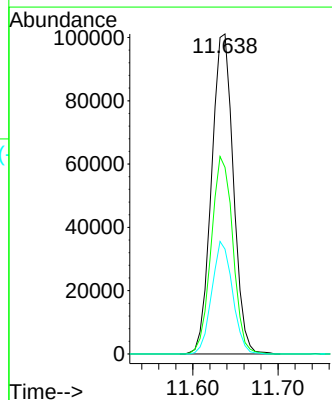
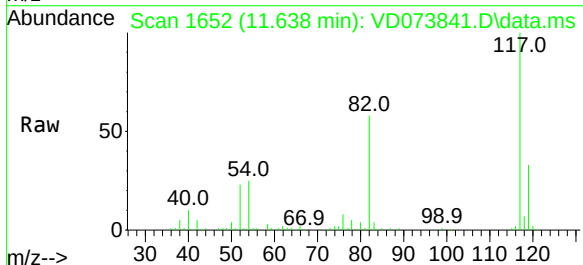
Instrument :
MSVOA_D
ClientSampleId :
A-6-UC

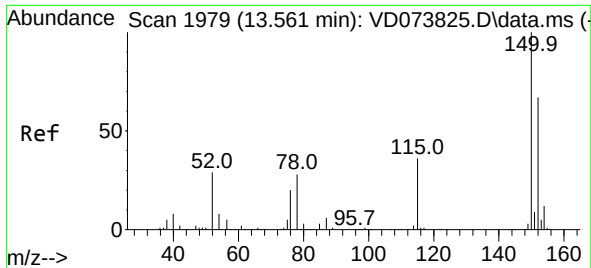
Tgt Ion: 95 Resp: 86778
Ion Ratio Lower Upper
95 100
174 63.4 0.0 131.8
176 61.6 0.0 124.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073841.D
Acq: 12 Jul 2022 16:28

Tgt Ion: 117 Resp: 179627
Ion Ratio Lower Upper
117 100
82 58.3 46.6 69.8
119 32.8 26.1 39.1

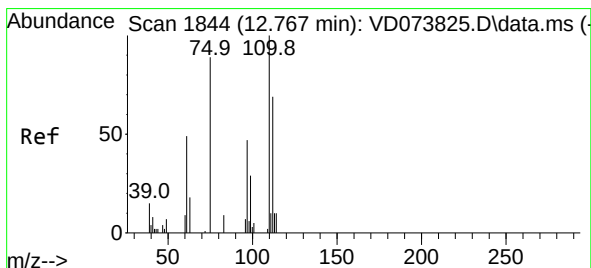
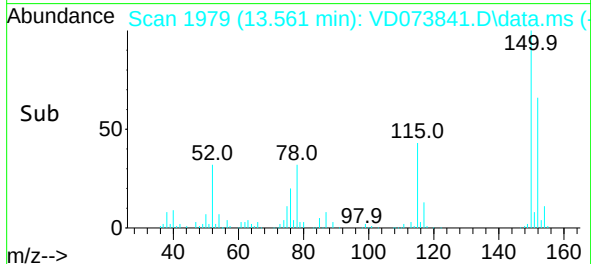
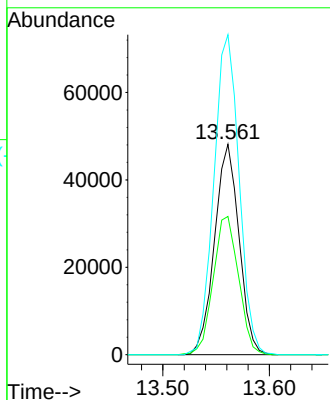
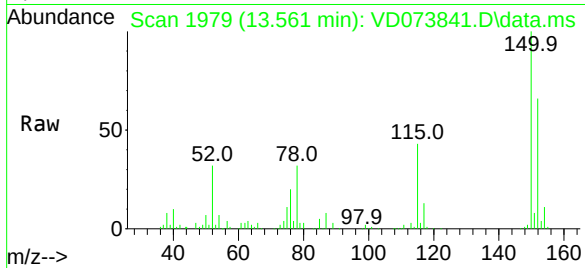




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD073841.D
 Acq: 12 Jul 2022 16:28

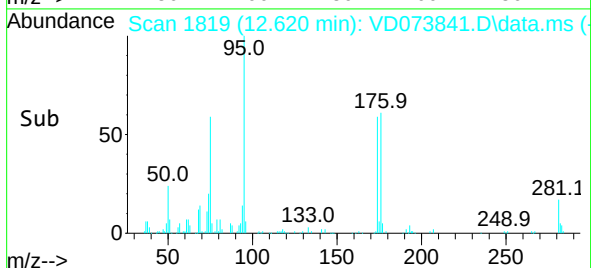
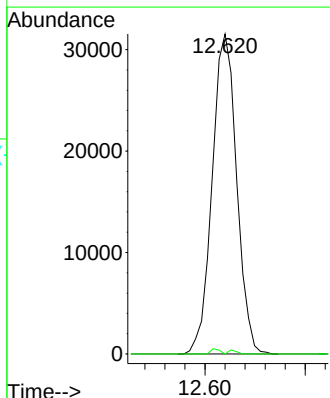
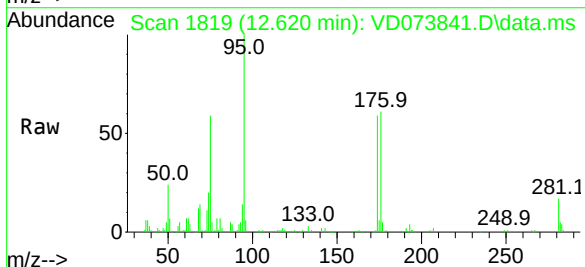
Instrument :
 MSVOA_D
 ClientSampleId :
 A-6-UC

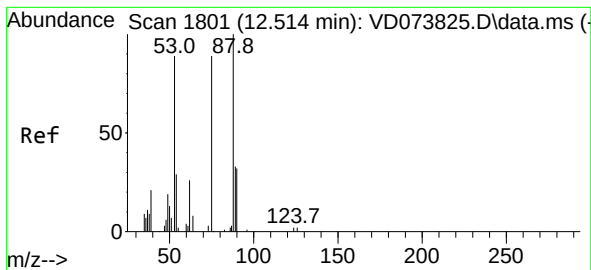
Tgt Ion:152 Resp: 76901
 Ion Ratio Lower Upper
 152 100
 115 68.0 33.5 100.5
 150 156.0 0.0 343.2



#76
 1,2,3-Trichloropropane
 Concen: 64.217 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073841.D
 Acq: 12 Jul 2022 16:28

Tgt Ion: 75 Resp: 53424
 Ion Ratio Lower Upper
 75 100
 77 0.4 138.0 414.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 168.768 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073841.D
 Acq: 12 Jul 2022 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 A-6-UC

Tgt Ion: 75 Resp: 53424
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.3 118.9#
 89 0.1 34.8 52.2#

