

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073836.D
 Acq On : 12 Jul 2022 13:58
 Operator : VA/SY
 Sample : N3649-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2-UC

Quant Time: Jul 13 04:30:51 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)

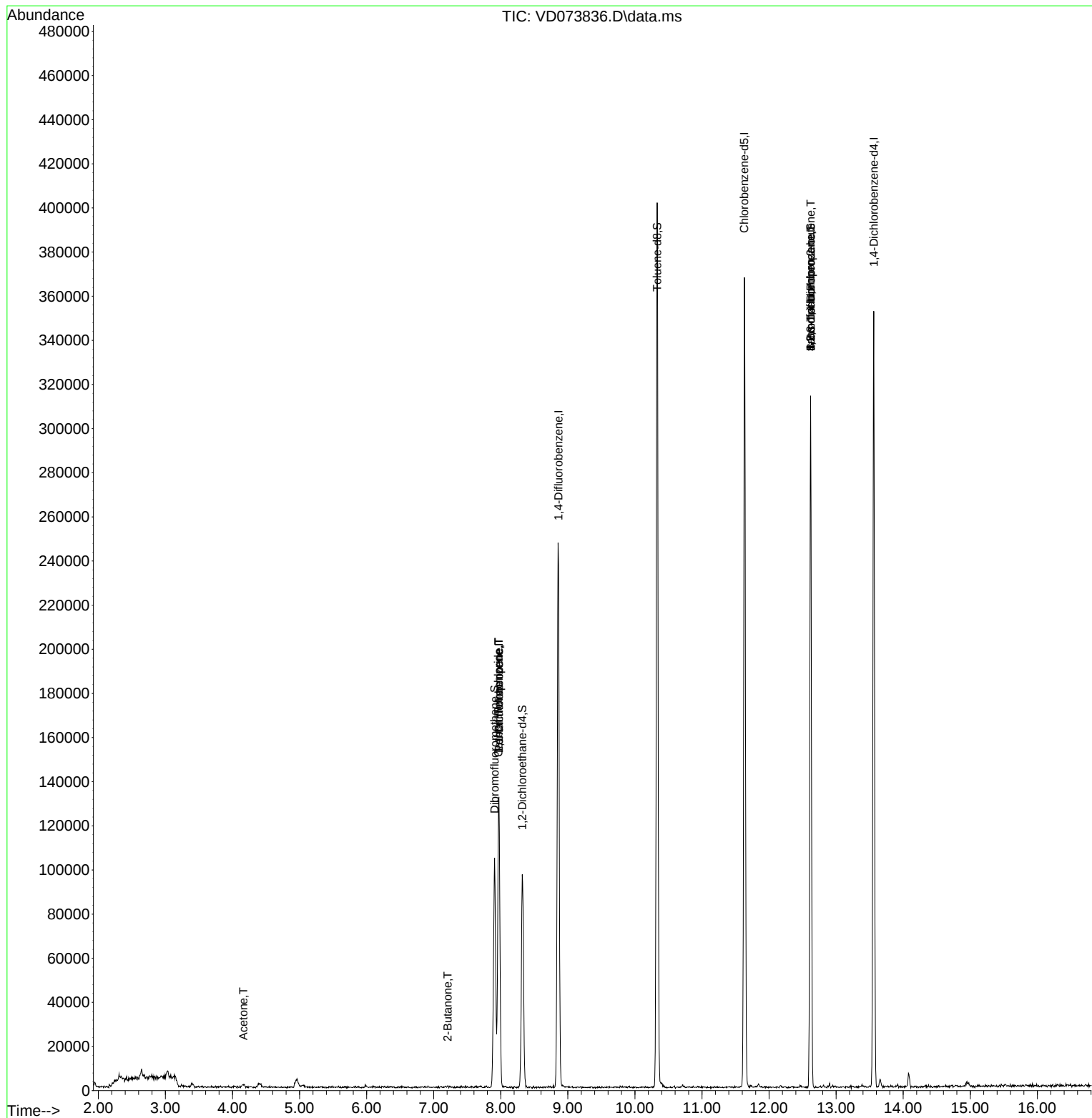
Internal Standards						
1) Pentafluorobenzene	7.973	168	83630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	195764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	190320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	81509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	77821	69.472	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.940%	
35) Dibromofluoromethane	7.908	113	70510	54.446	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.900%	
50) Toluene-d8	10.332	98	253733	56.188	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 112.380%	
62) 4-Bromofluorobenzene	12.620	95	90523	47.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 94.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	216	Below Cal	#	43
4) Vinyl Chloride	2.350	62	101	Below Cal	#	43
5) Bromomethane	2.768	94	721	Below Cal	#	51
16) Acetone	4.162	43	2757	14.366	ug/l #	76
17) Carbon Disulfide	4.409	76	3637	Below Cal	#	68
18) Methyl Acetate	4.926	43	62	Below Cal	#	55
20) Methylene Chloride	4.962	84	2906	Below Cal	#	74
25) 2-Butanone	7.208	43	563	1.950	ug/l #	49
31) Cyclohexane	7.985	56	3255	Below Cal	#	45
36) 1,1-Dichloropropene	7.973	75	9356	7.140	ug/l #	45
38) Carbon Tetrachloride	7.967	117	10536	7.040	ug/l #	23
71) Bromoform	12.620	173	895	1.381	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	52467	59.501	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	52467	156.374	ug/l #	10

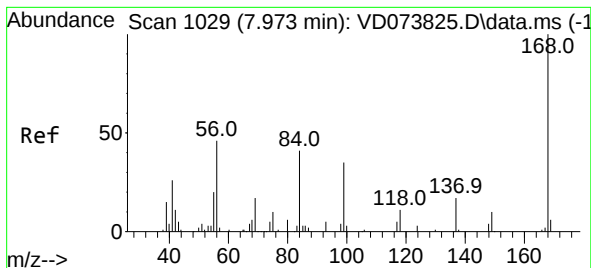
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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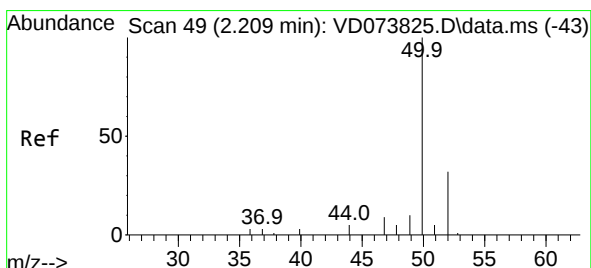
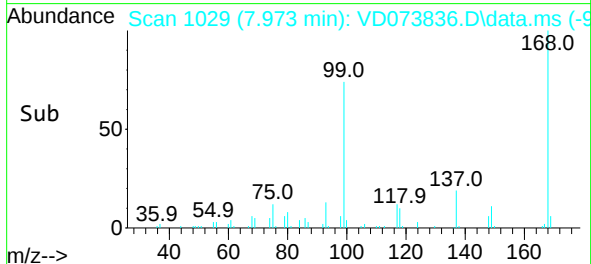
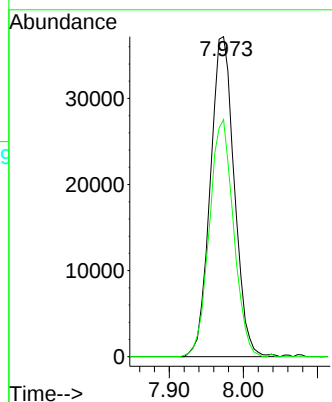
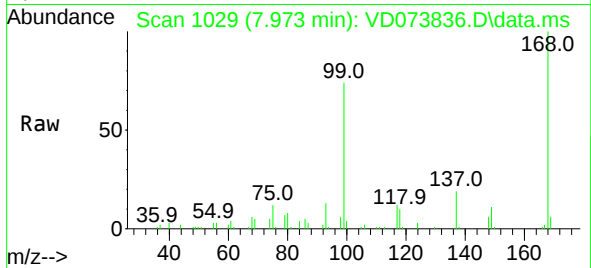




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

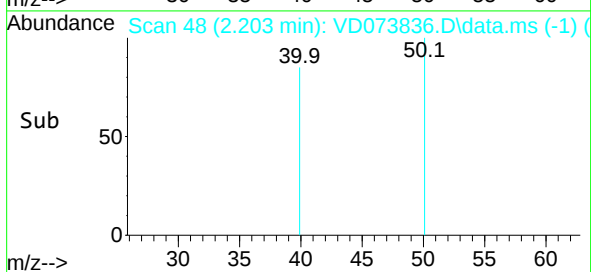
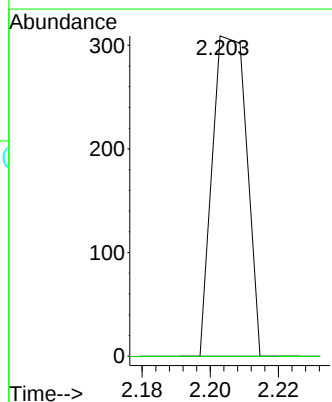
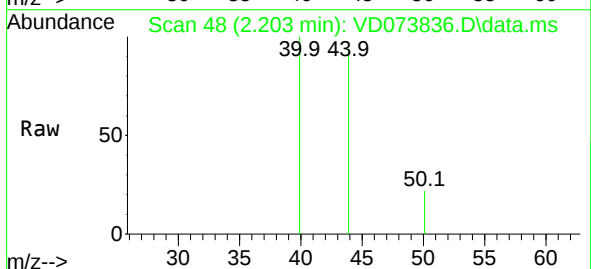
Instrument :
MSVOA_D
ClientSampleId :
B-2-UC

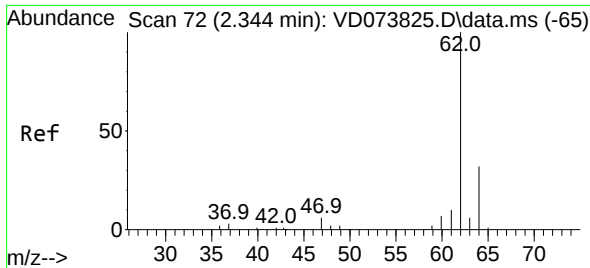
Tgt Ion:168 Resp: 83630
Ion Ratio Lower Upper
168 100
99 74.1 53.8 80.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

Tgt Ion: 50 Resp: 216
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

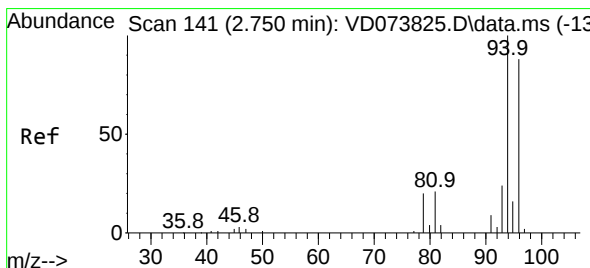
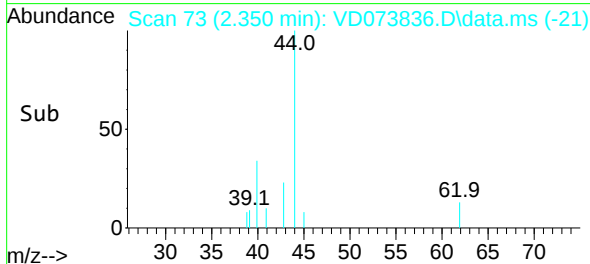
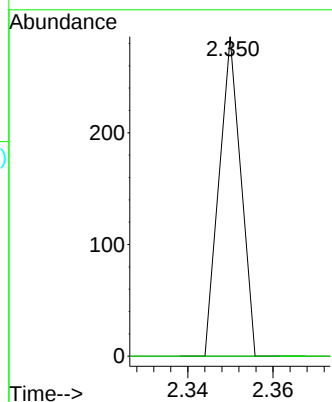
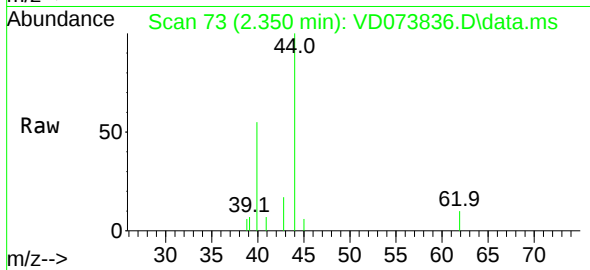




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.350 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD073836.D
 Acq: 12 Jul 2022 13:58

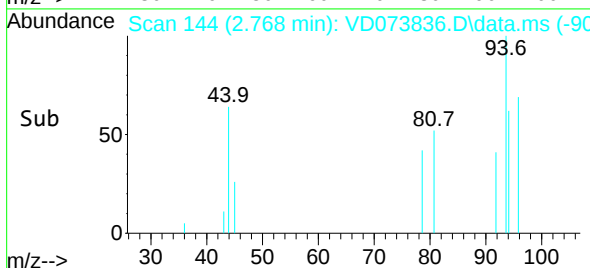
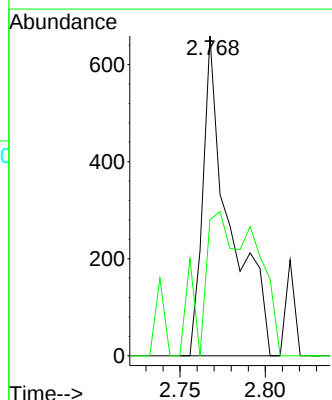
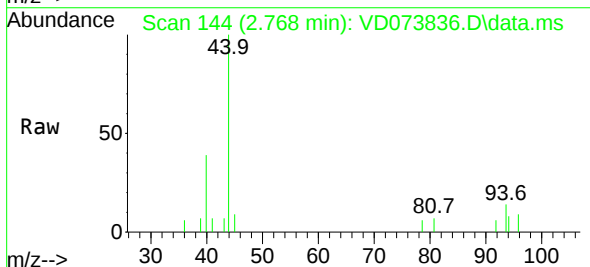
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2-UC

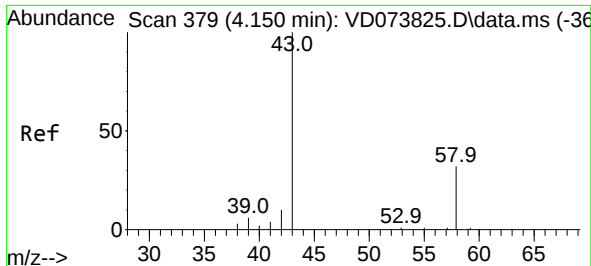
Tgt Ion: 62 Resp: 101
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.768 min Scan# 144
 Delta R.T. 0.018 min
 Lab File: VD073836.D
 Acq: 12 Jul 2022 13:58

Tgt Ion: 94 Resp: 721
 Ion Ratio Lower Upper
 94 100
 96 42.6 70.3 105.5#

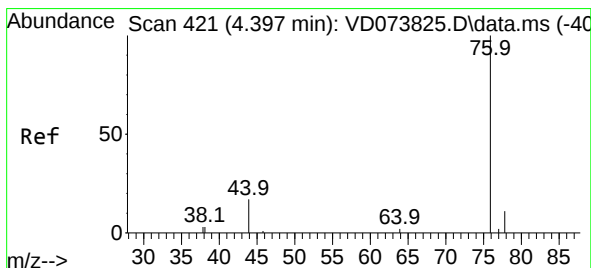
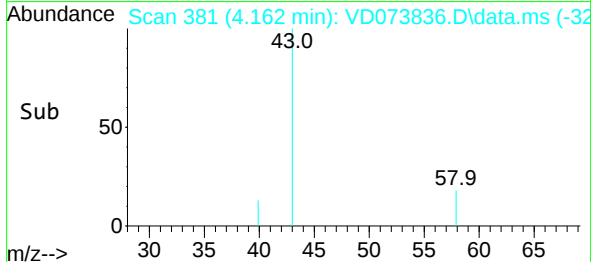
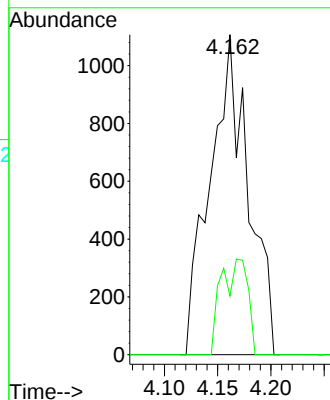
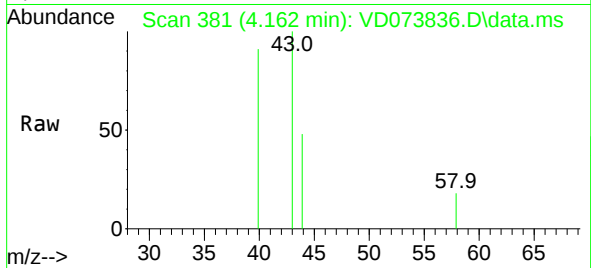




#16
Acetone
Concen: 14.366 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

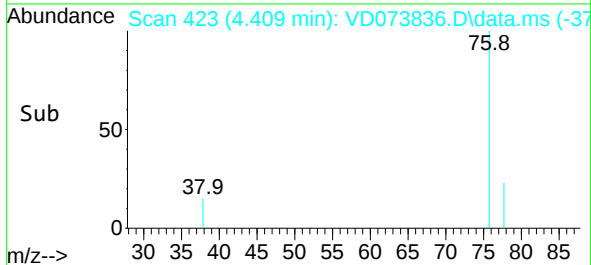
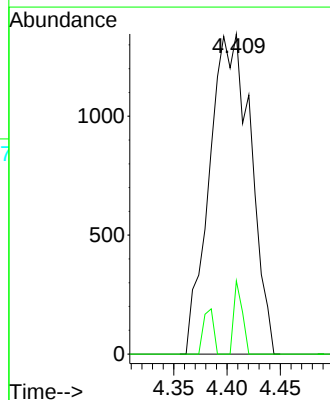
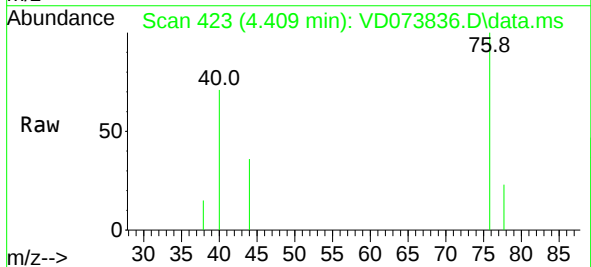
Instrument :
MSVOA_D
ClientSampleId :
B-2-UC

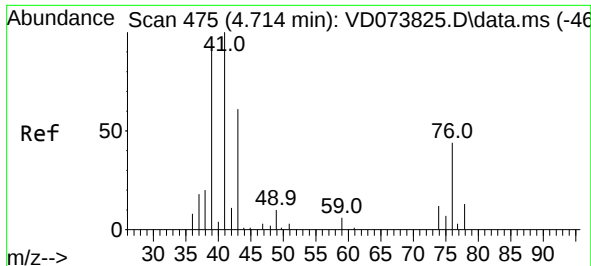
Tgt Ion: 43 Resp: 2757
Ion Ratio Lower Upper
43 100
58 18.3 25.2 37.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.409 min Scan# 423
Delta R.T. 0.012 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

Tgt Ion: 76 Resp: 3637
Ion Ratio Lower Upper
76 100
78 22.9 8.7 13.1#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.926 min Scan# 511

Delta R.T. 0.212 min

Lab File: VD073836.D

Acq: 12 Jul 2022 13:58

Instrument :

MSVOA_D

ClientSampleId :

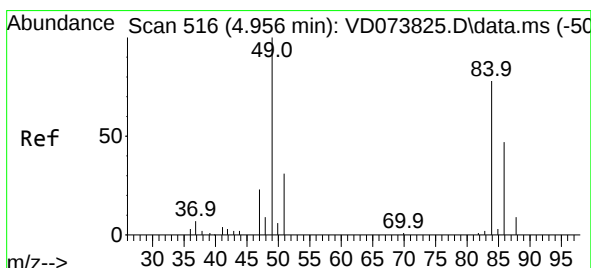
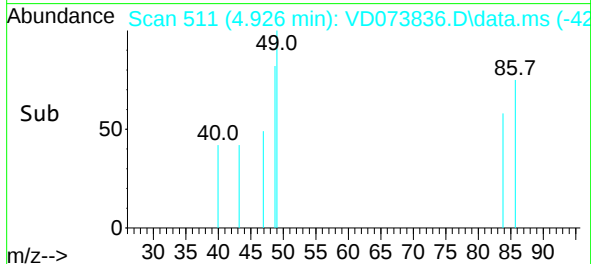
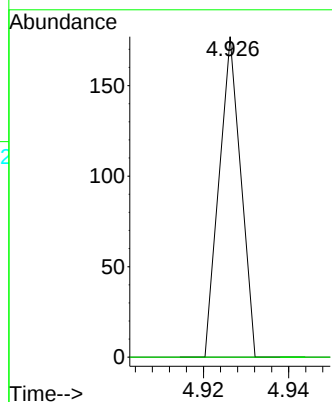
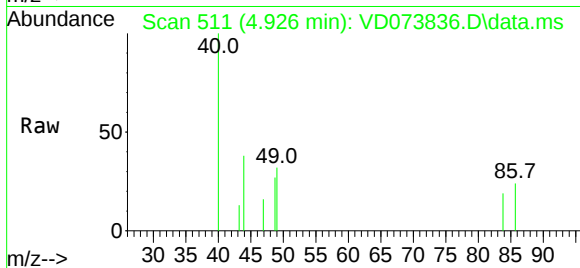
B-2-UC

Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. 0.006 min

Lab File: VD073836.D

Acq: 12 Jul 2022 13:58

Tgt Ion: 84 Resp: 2906

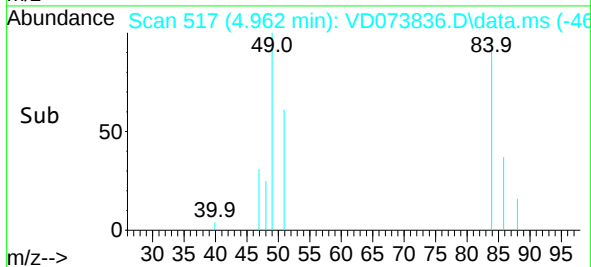
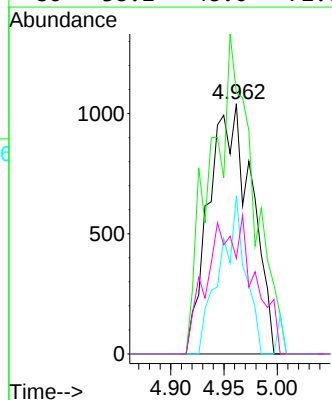
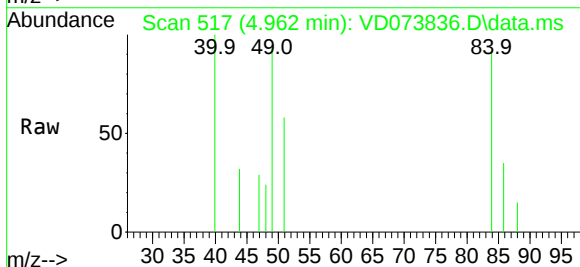
Ion Ratio Lower Upper

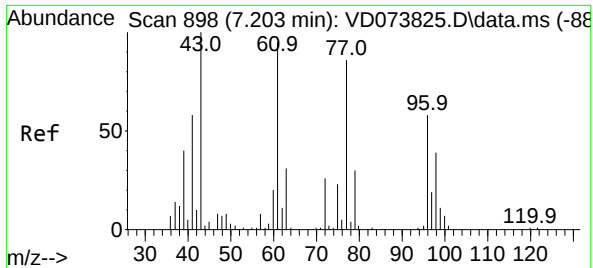
84 100

49 104.3 102.5 153.7

51 63.2 31.4 47.0#

86 38.2 48.0 72.0#

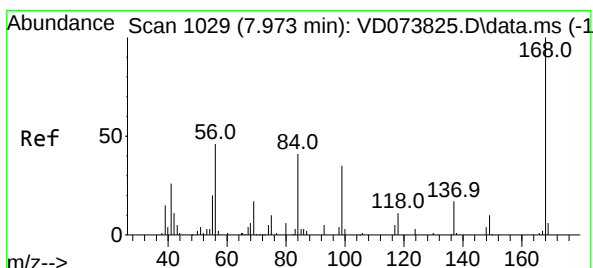
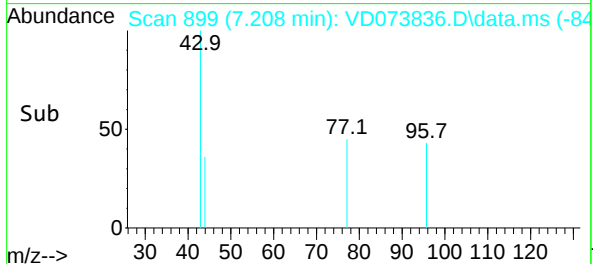
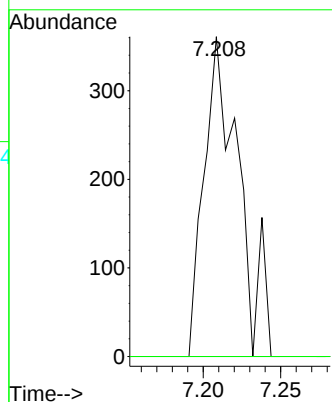
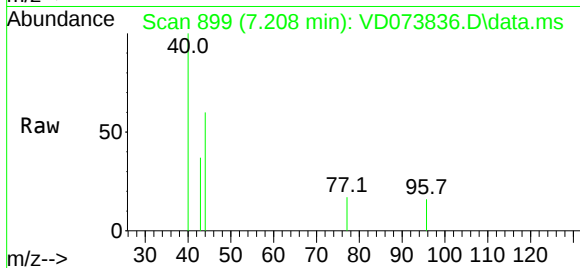




#25
2-Butanone
Concen: 1.950 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.006 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

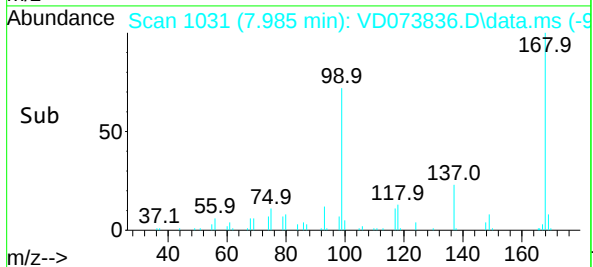
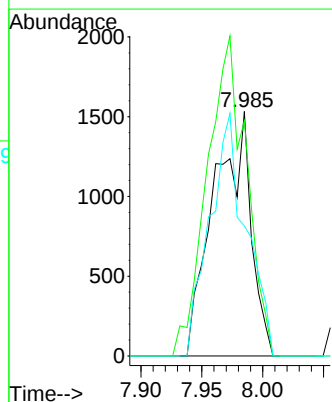
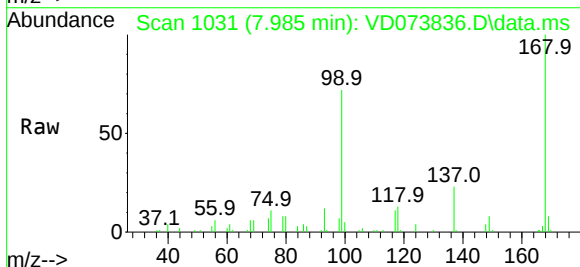
Instrument :
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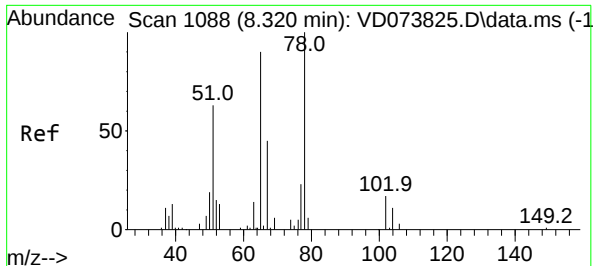
Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#31
Cyclohexane
Concen: Below Cal
RT: 7.985 min Scan# 1031
Delta R.T. 0.012 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

Tgt Ion: 56 Resp: 3255
Ion Ratio Lower Upper
56 100
69 96.2 29.1 43.7#
84 53.2 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 69.472 ug/l

RT: 8.320 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073836.D

Acq: 12 Jul 2022 13:58

Instrument :

MSVOA_D

ClientSampleId :

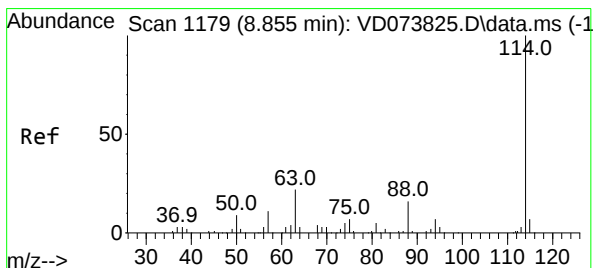
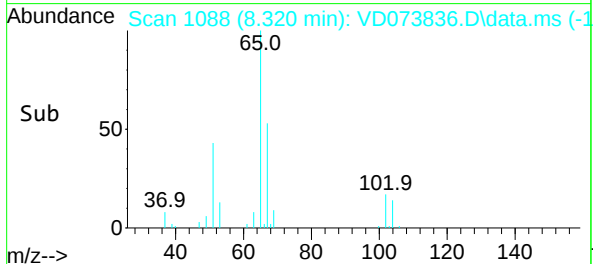
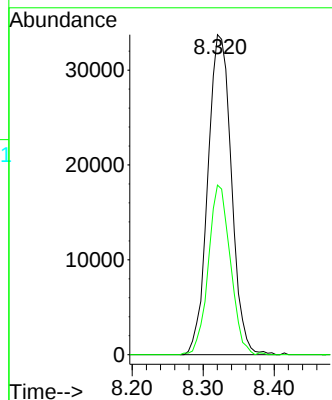
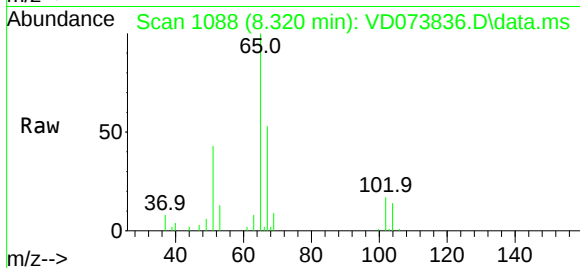
B-2-UC

Tgt Ion: 65 Resp: 77821

Ion Ratio Lower Upper

65 100

67 49.5 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073836.D

Acq: 12 Jul 2022 13:58

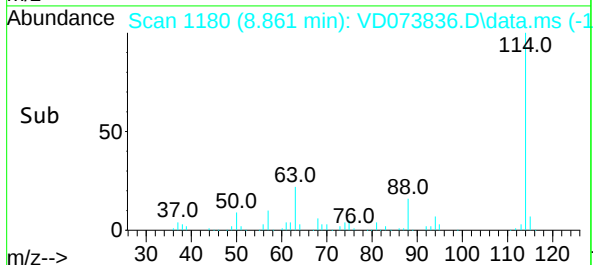
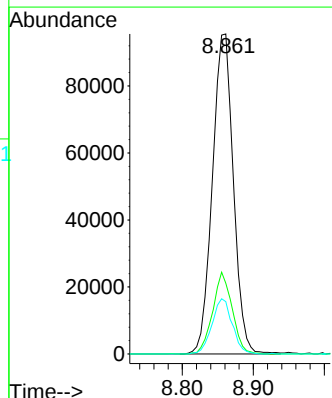
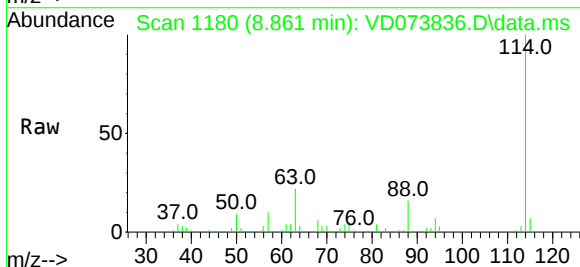
Tgt Ion: 114 Resp: 195764

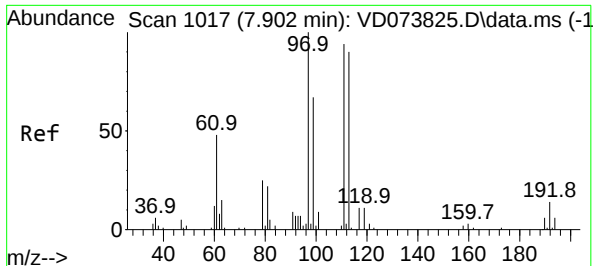
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.0

88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 54.446 ug/l

RT: 7.908 min Scan# 1017

Delta R.T. 0.006 min

Lab File: VD073836.D

Acq: 12 Jul 2022 13:58

Instrument :

MSVOA_D

ClientSampleId :

B-2-UC

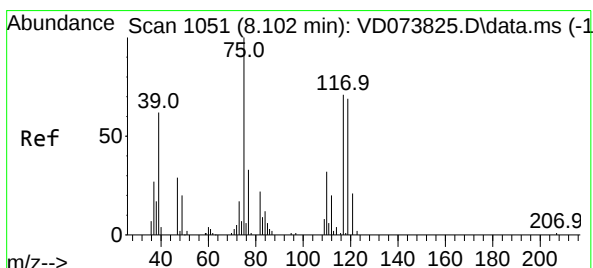
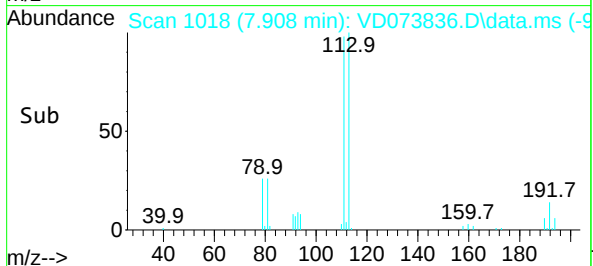
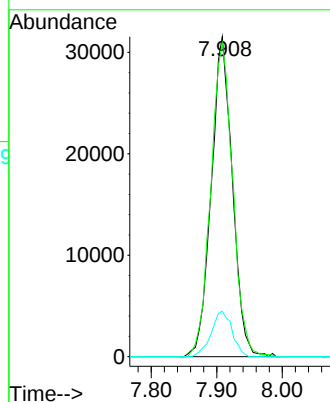
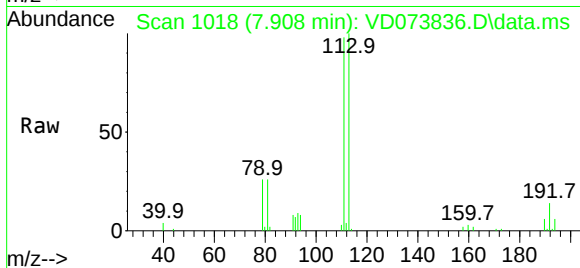
Tgt Ion:113 Resp: 70510

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 14.1 12.3 18.5



#36

1,1-Dichloropropene

Concen: 7.140 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073836.D

Acq: 12 Jul 2022 13:58

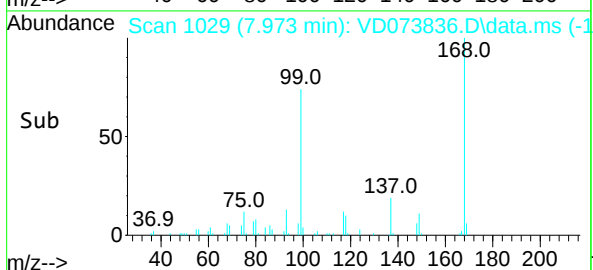
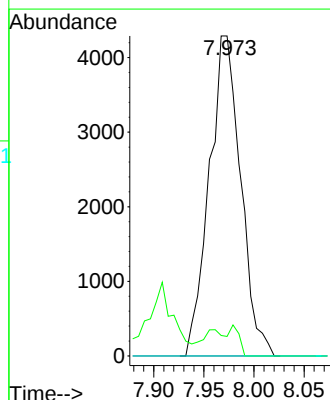
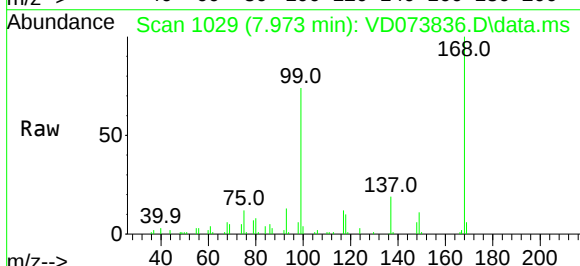
Tgt Ion: 75 Resp: 9356

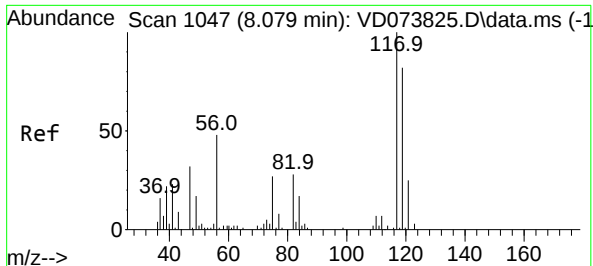
Ion Ratio Lower Upper

75 100

110 2.5 16.0 47.9#

77 0.0 25.3 37.9#

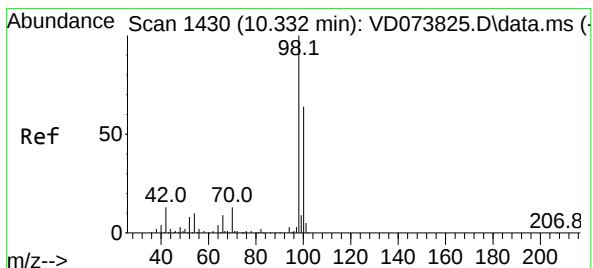
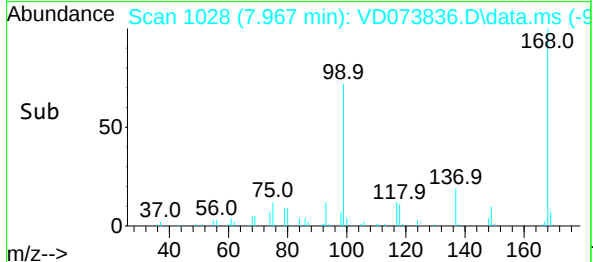
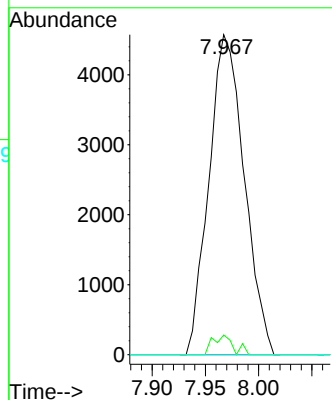
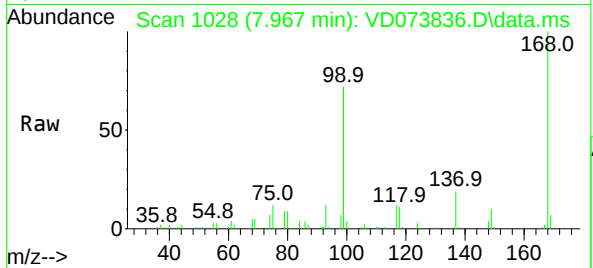




#38
Carbon Tetrachloride
Concen: 7.040 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.112 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

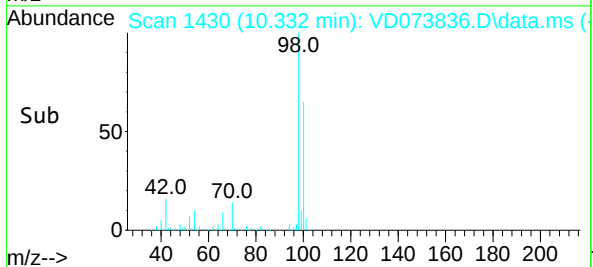
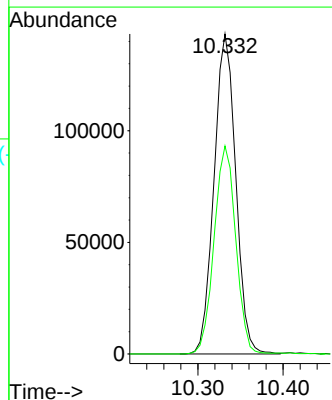
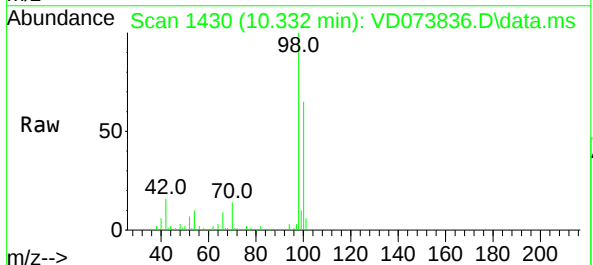
Instrument :
MSVOA_D
ClientSampleId :
B-2-UC

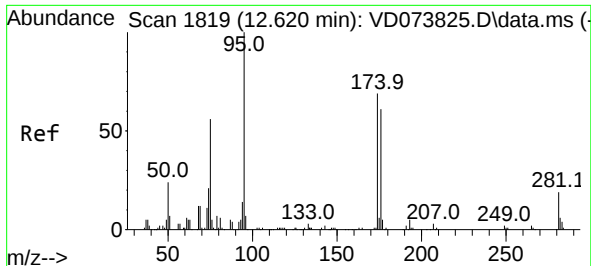
Tgt Ion:117 Resp: 10536
Ion Ratio Lower Upper
117 100
119 6.1 65.6 98.4#
121 0.0 20.1 30.1#



#50
Toluene-d8
Concen: 56.188 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

Tgt Ion: 98 Resp: 253733
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3

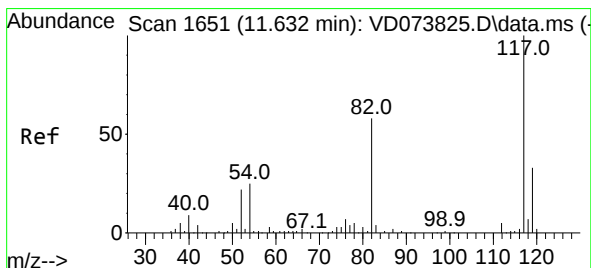
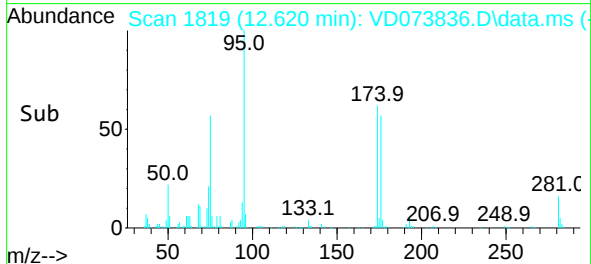
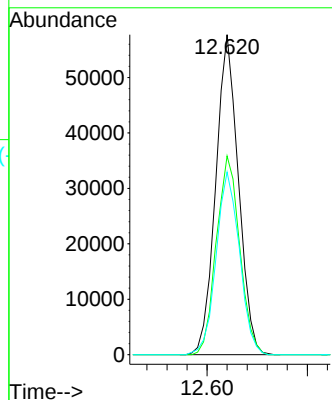
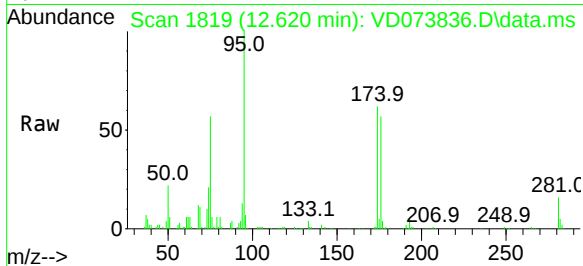




#62
4-Bromofluorobenzene
Concen: 47.310 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

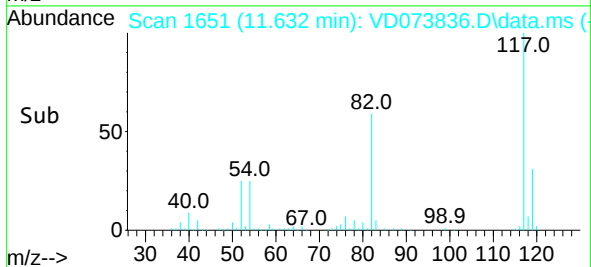
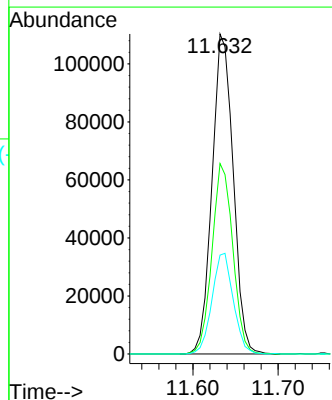
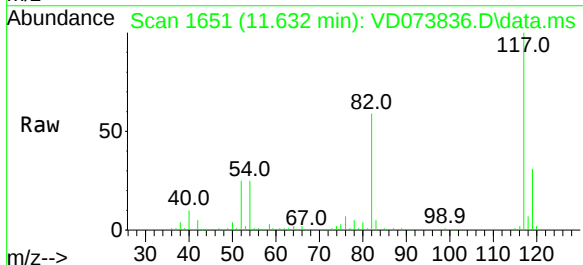
Instrument :
MSVOA_D
ClientSampleId :
B-2-UC

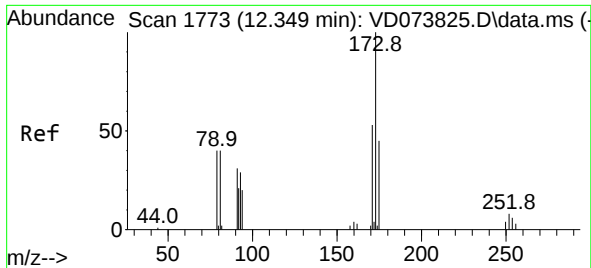
Tgt Ion: 95 Resp: 90523
Ion Ratio Lower Upper
95 100
174 63.9 0.0 131.8
176 58.6 0.0 124.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

Tgt Ion: 117 Resp: 190320
Ion Ratio Lower Upper
117 100
82 59.5 46.6 69.8
119 30.9 26.1 39.1

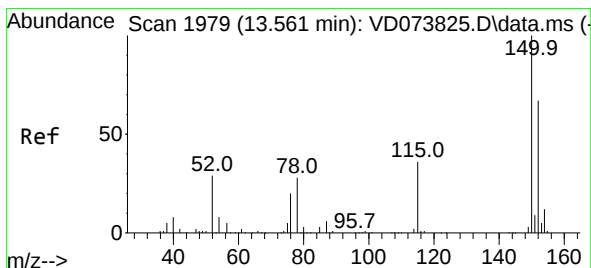
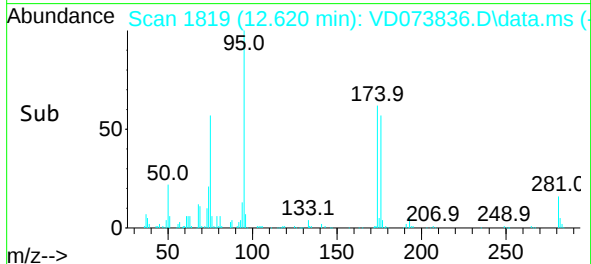
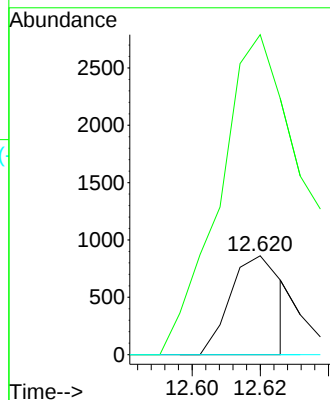
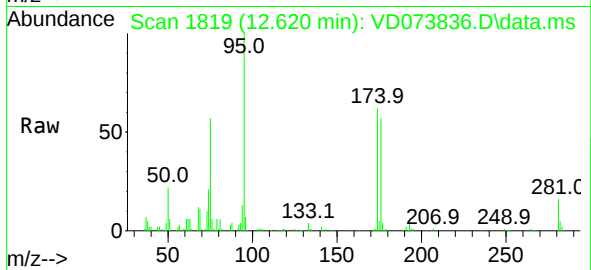




#71
Bromoform
Concen: 1.381 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

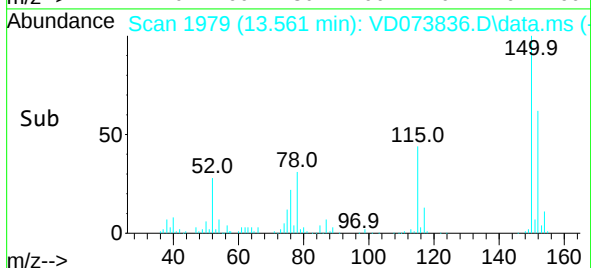
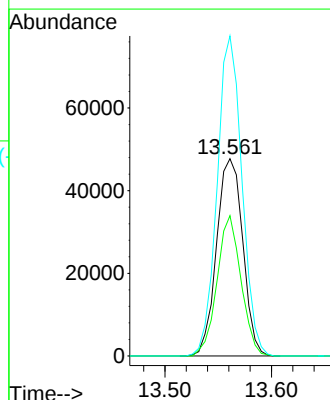
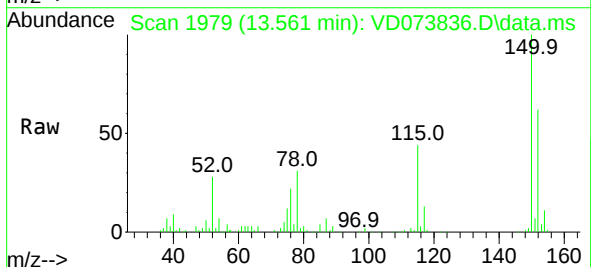
Instrument :
MSVOA_D
ClientSampleId :
B-2-UC

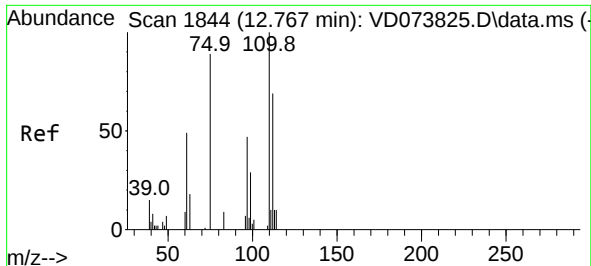
Tgt Ion:173 Resp: 895
Ion Ratio Lower Upper
173 100
175 397.7 23.4 70.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

Tgt Ion:152 Resp: 81509
Ion Ratio Lower Upper
152 100
115 65.0 33.5 100.5
150 153.7 0.0 343.2

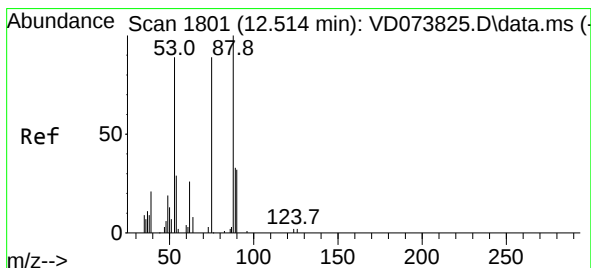
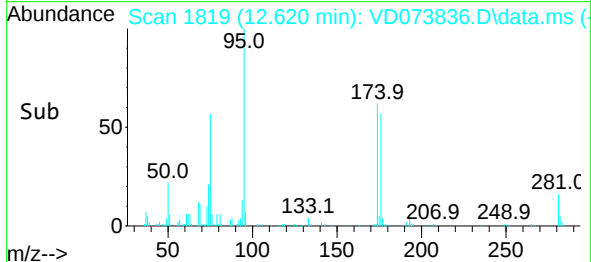
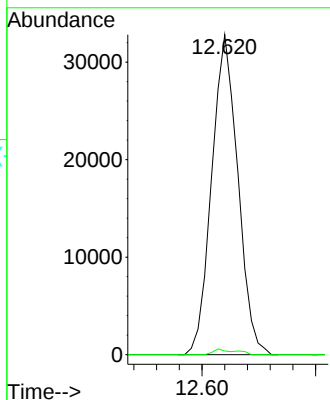
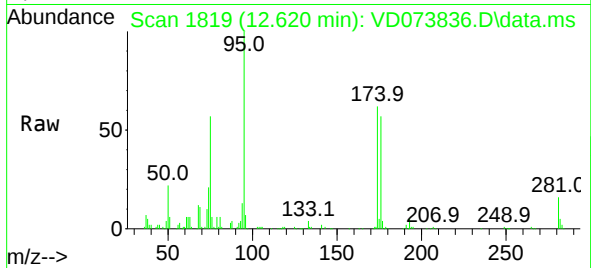




#76
1,2,3-Trichloropropane
Concen: 59.501 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

Instrument :
MSVOA_D
ClientSampleId :
B-2-UC

Tgt Ion: 75 Resp: 52467
Ion Ratio Lower Upper
75 100
77 1.5 138.0 414.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 156.374 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073836.D
Acq: 12 Jul 2022 13:58

Tgt Ion: 75 Resp: 52467
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.5 34.8 52.2#

