

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073385.D
 Acq On : 26 May 2022 13:43
 Operator : VA/SY
 Sample : N3001-01RE
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-052322

Quant Time: May 26 16:58:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

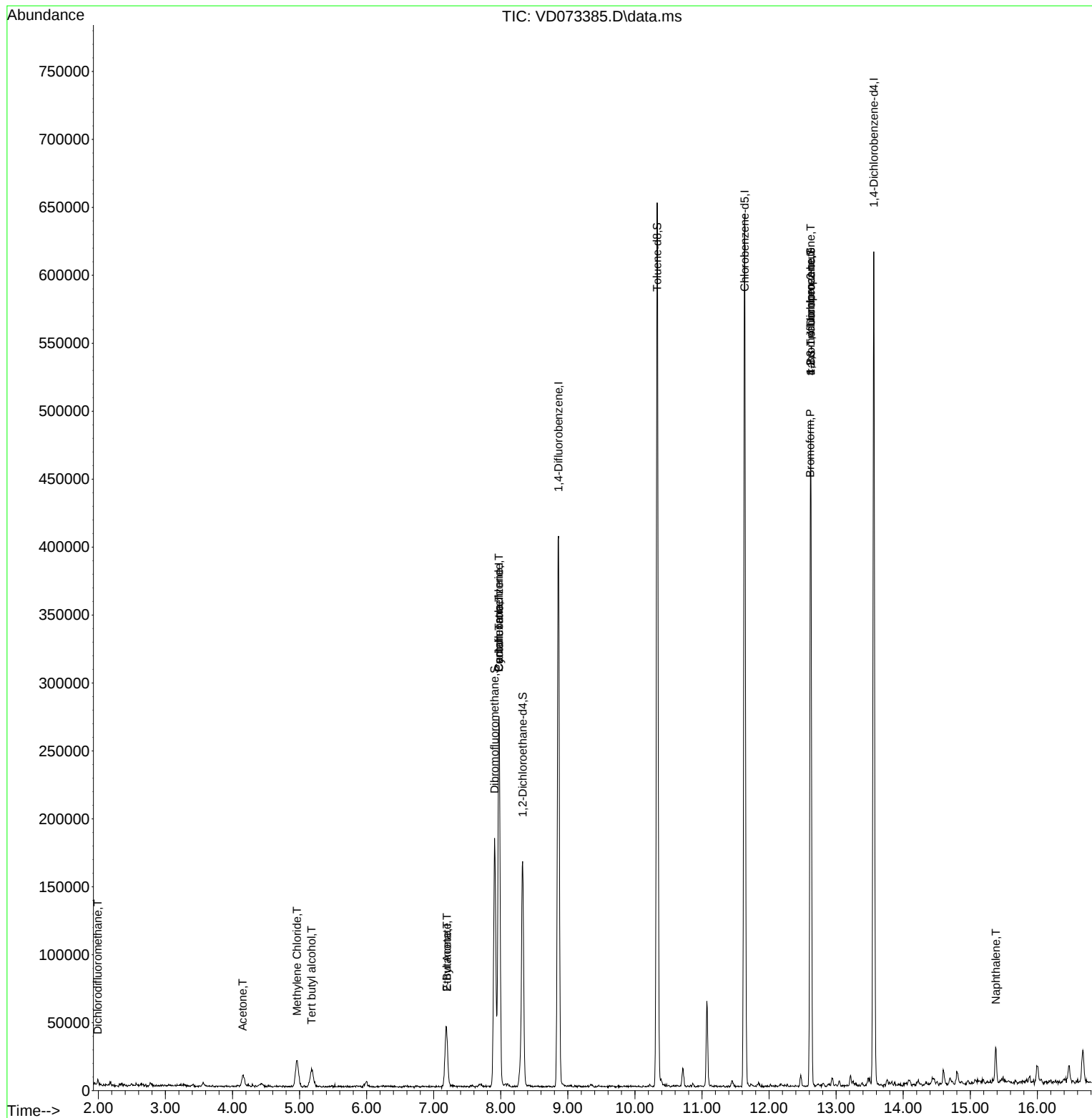
Internal Standards						
1) Pentafluorobenzene	7.973	168	200705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	346478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	377124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	166480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	131629	59.344	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.680%	
35) Dibromofluoromethane	7.908	113	129710	56.734	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.460%	
50) Toluene-d8	10.332	98	433908	51.485	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.620	95	159789	54.025	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	2545	1.269	ug/l	88
5) Bromomethane	2.773	94	1292	Below Cal		82
11) Tert butyl alcohol	5.179	59	12027	34.949	ug/l #	74
16) Acetone	4.150	43	16347	42.549	ug/l	93
20) Methylene Chloride	4.961	84	15638	2.635	ug/l #	78
25) 2-Butanone	7.197	43	3829	6.812	ug/l #	52
31) Cyclohexane	7.973	56	5181	1.337	ug/l #	41
37) Ethyl Acetate	7.197	43	3829	2.819	ug/l #	1
38) Carbon Tetrachloride	7.973	117	21123	6.060	ug/l #	18
71) Bromoform	12.614	173	1729	1.171	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	79430	48.627	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	79430	116.738	ug/l #	7
95) Naphthalene	15.384	128	23081	7.478	ug/l	99

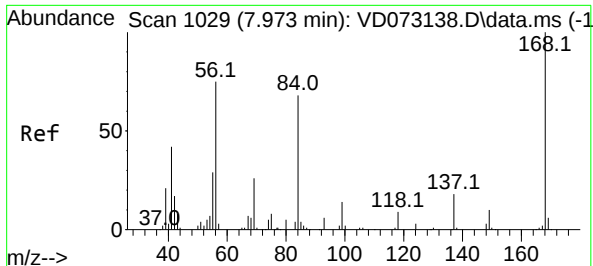
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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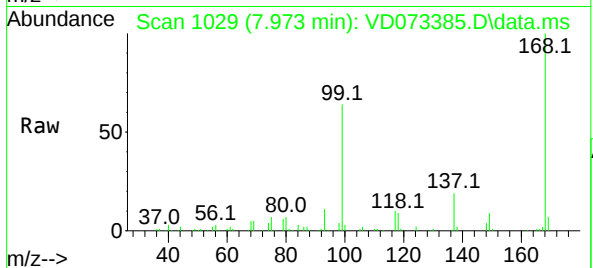
Quant Time: May 26 16:58:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
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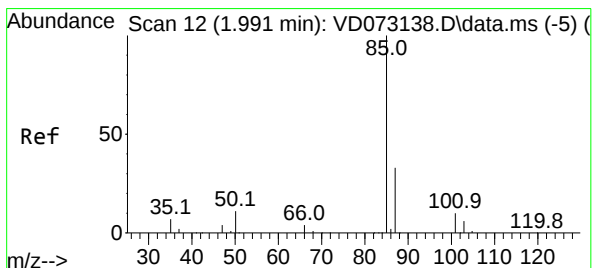
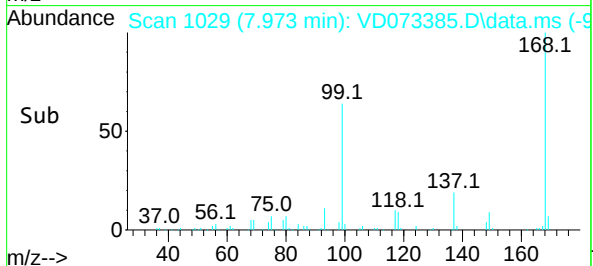
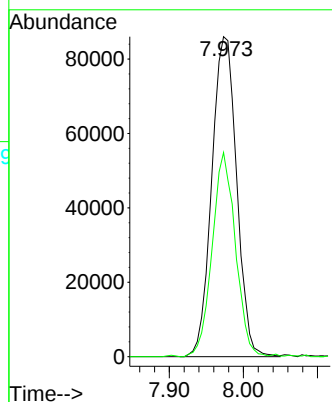


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

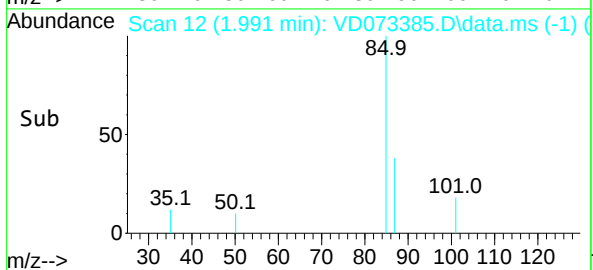
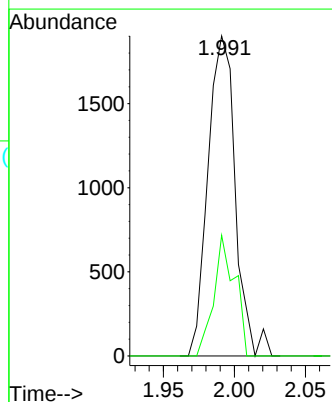
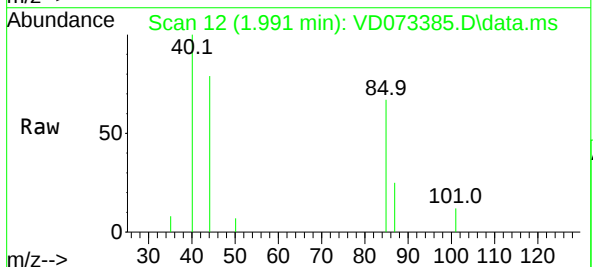


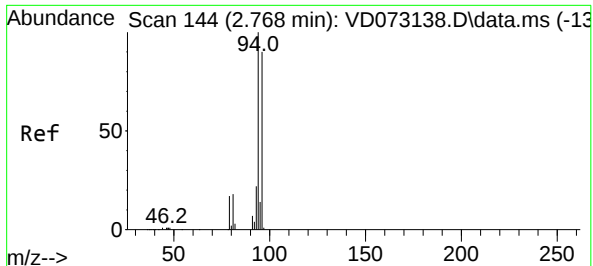
Tgt Ion:168 Resp: 200705
Ion Ratio Lower Upper
168 100
99 63.8 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.269 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

Tgt Ion: 85 Resp: 2545
Ion Ratio Lower Upper
85 100
87 37.7 15.7 47.0

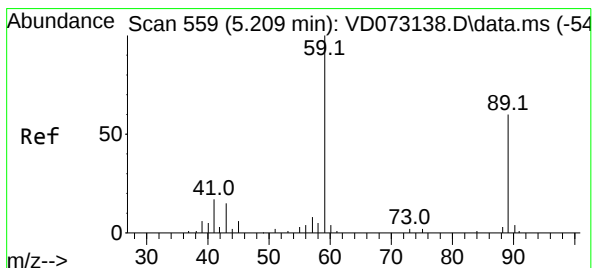
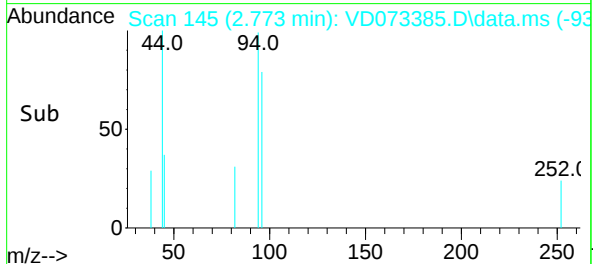
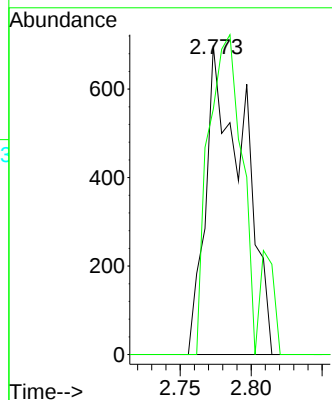
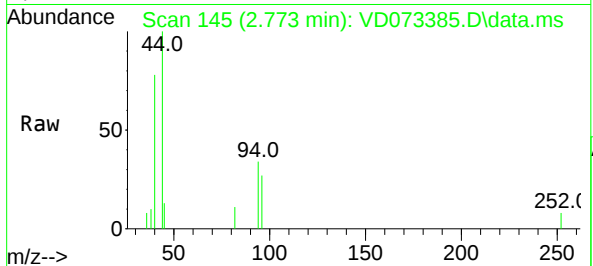




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

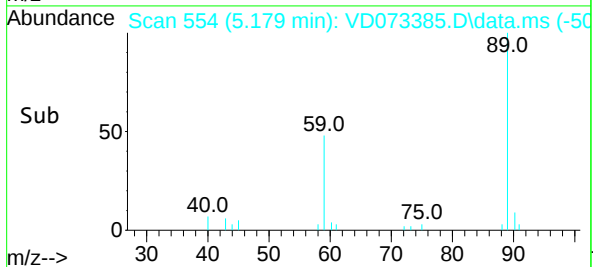
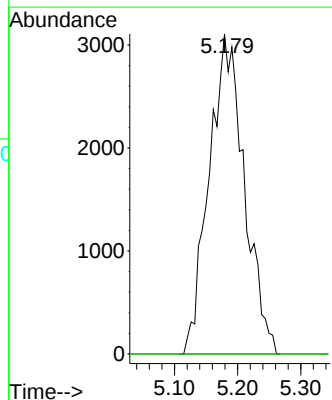
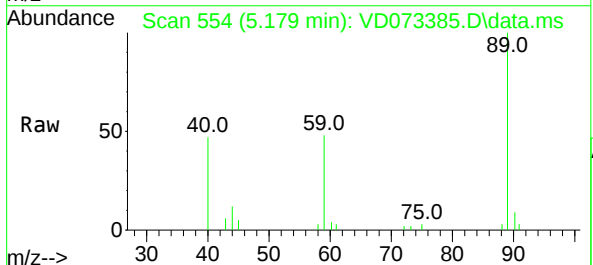
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

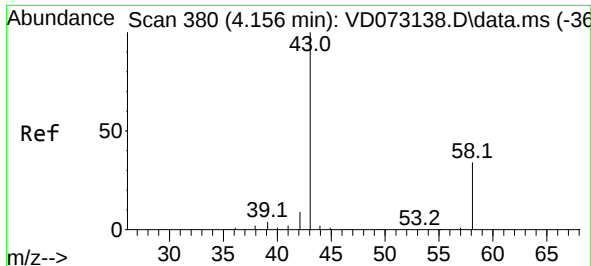
Tgt Ion: 94 Resp: 1292
Ion Ratio Lower Upper
94 100
96 79.5 77.6 116.4



#11
Tert butyl alcohol
Concen: 34.949 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

Tgt Ion: 59 Resp: 12027
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

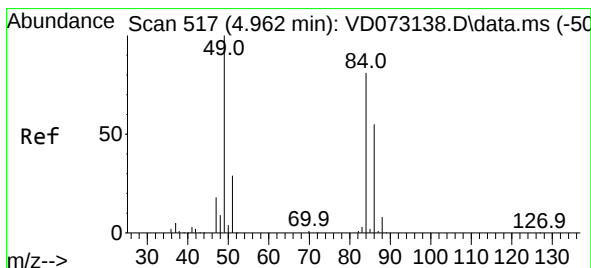
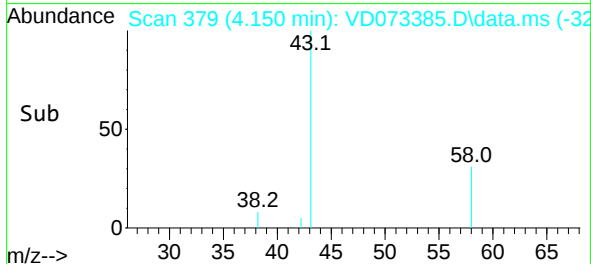
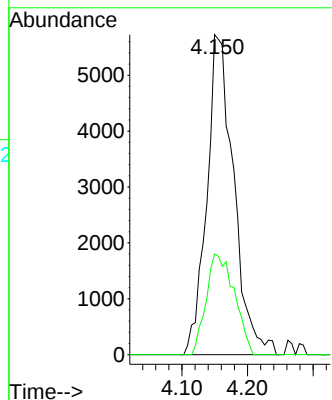
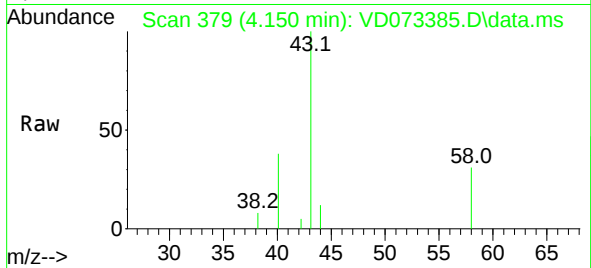




#16
Acetone
Concen: 42.549 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

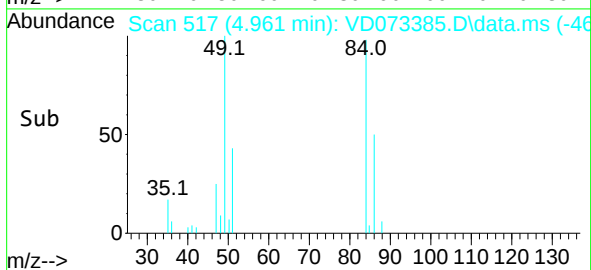
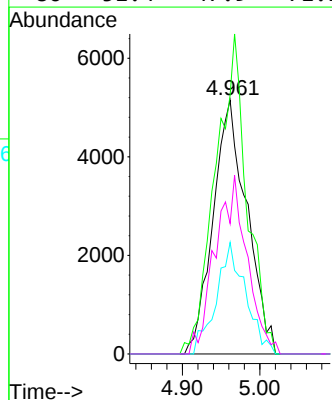
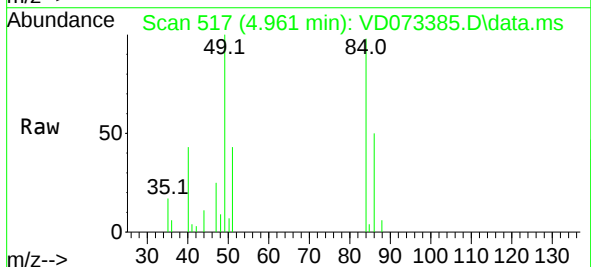
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

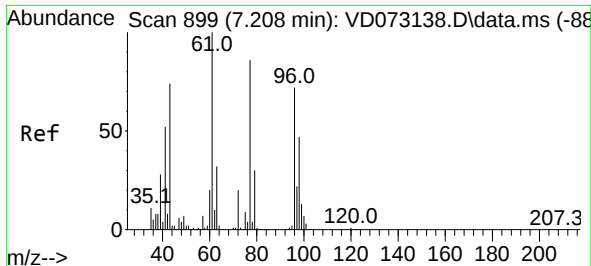
Tgt Ion: 43 Resp: 16347
Ion Ratio Lower Upper
43 100
58 31.4 22.1 33.1



#20
Methylene Chloride
Concen: 2.635 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

Tgt Ion: 84 Resp: 15638
Ion Ratio Lower Upper
84 100
49 102.0 112.8 169.2#
51 43.9 32.6 48.8
86 51.4 47.9 71.9

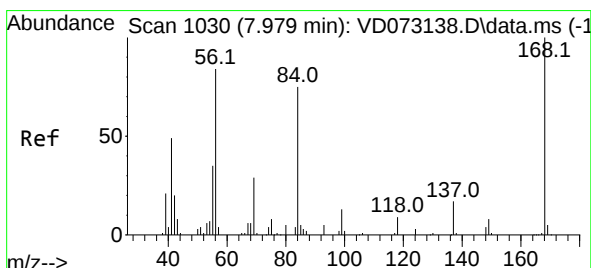
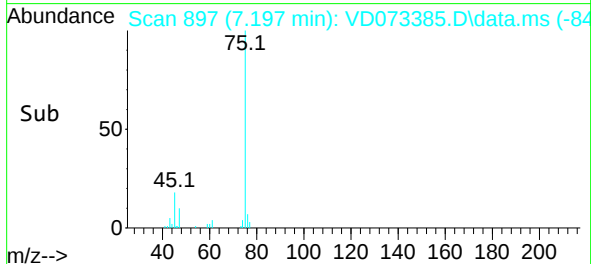
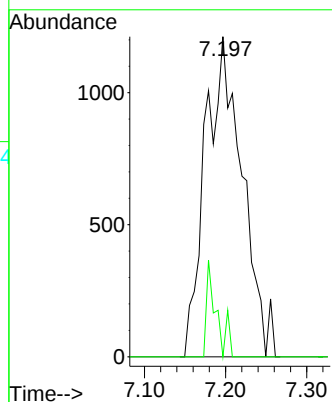
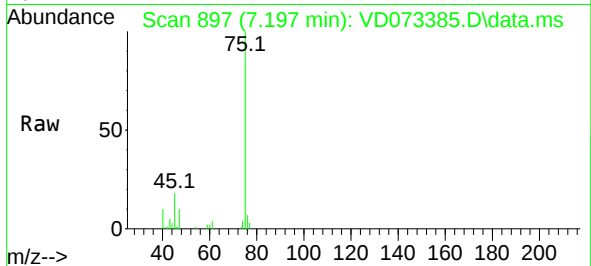




#25
2-Butanone
Concen: 6.812 ug/l
RT: 7.197 min Scan# 89
Delta R.T. -0.011 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

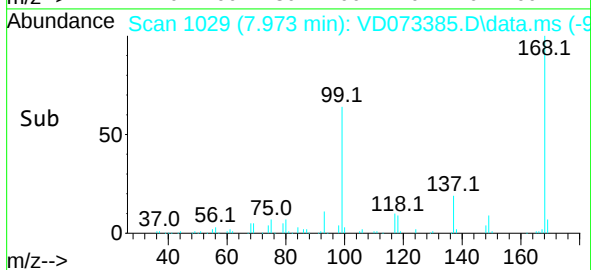
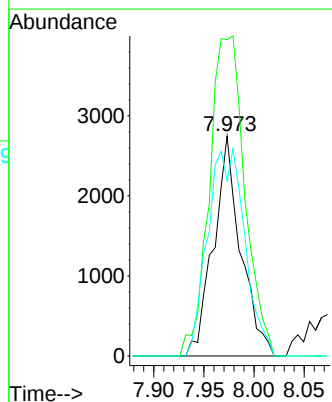
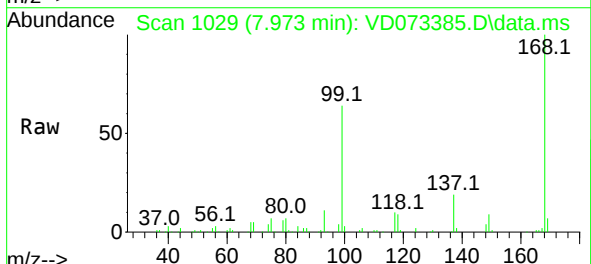
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

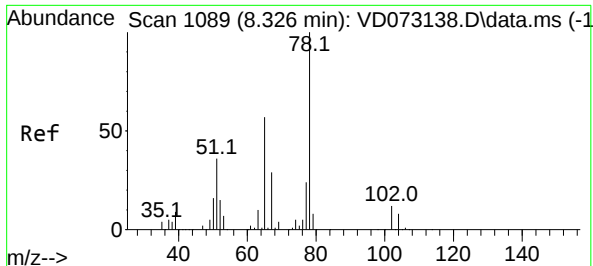
Tgt Ion: 43 Resp: 3829
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

Tgt Ion: 56 Resp: 5181
Ion Ratio Lower Upper
56 100
69 143.9 25.4 38.2#
84 79.8 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 59.344 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073385.D

Acq: 26 May 2022 13:43

Instrument :

MSVOA_D

ClientSampleId :

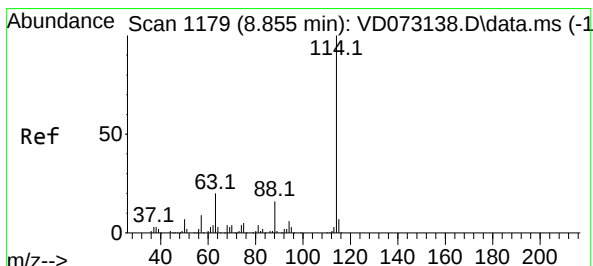
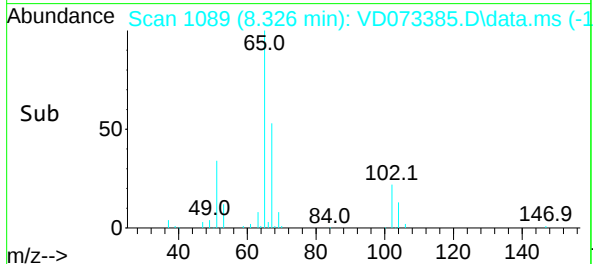
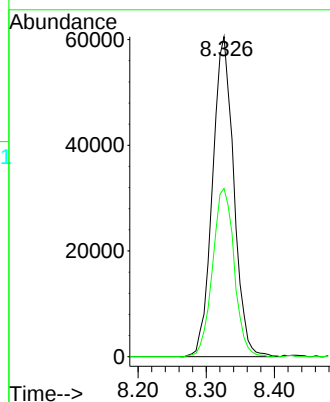
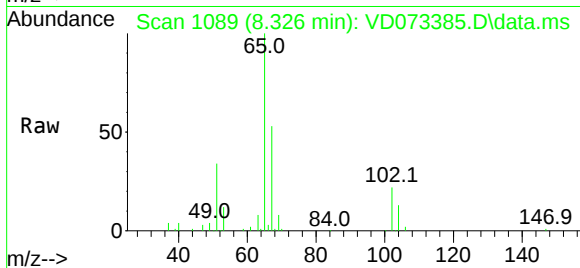
BU-03-052322

Tgt Ion: 65 Resp: 131629

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073385.D

Acq: 26 May 2022 13:43

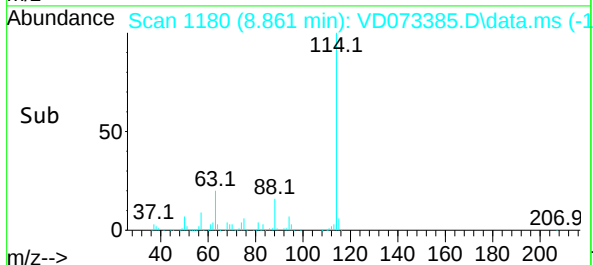
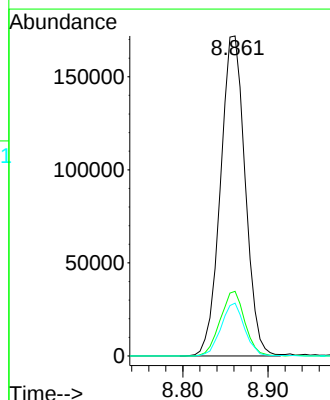
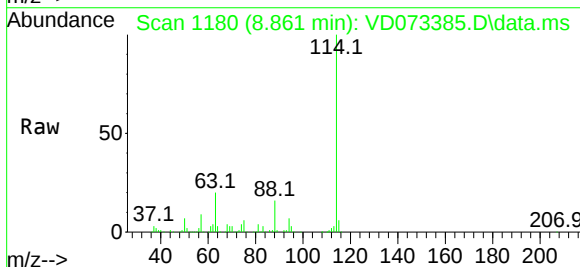
Tgt Ion: 114 Resp: 346478

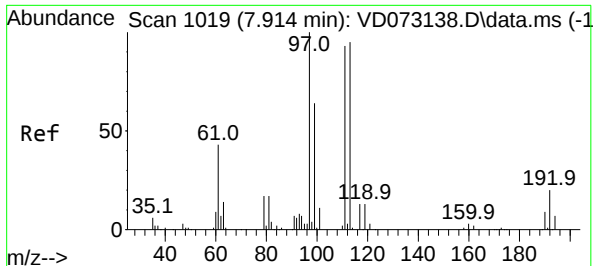
Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 56.734 ug/l

RT: 7.908 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073385.D

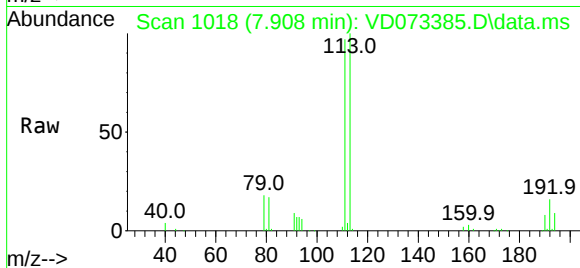
Acq: 26 May 2022 13:43

Instrument :

MSVOA_D

ClientSampleId :

BU-03-052322



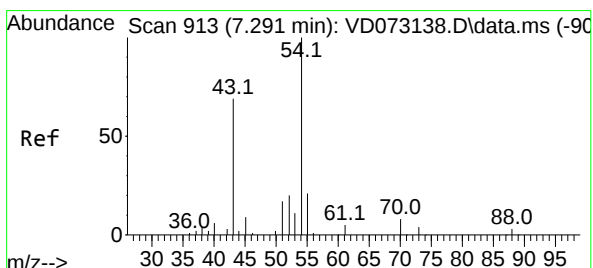
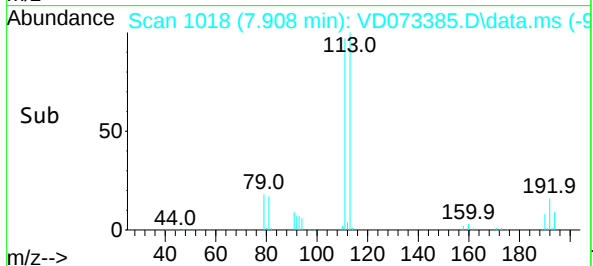
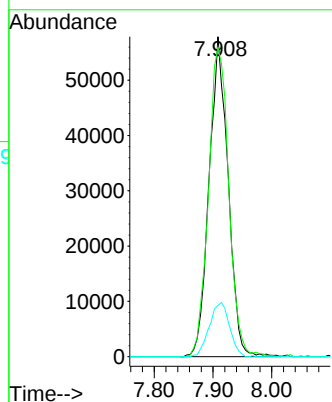
Tgt Ion:113 Resp: 129710

Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 18.0 14.6 21.8



#37

Ethyl Acetate

Concen: 2.819 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073385.D

Acq: 26 May 2022 13:43

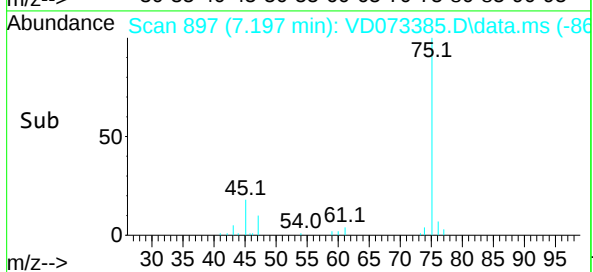
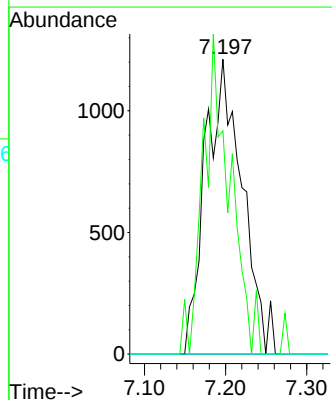
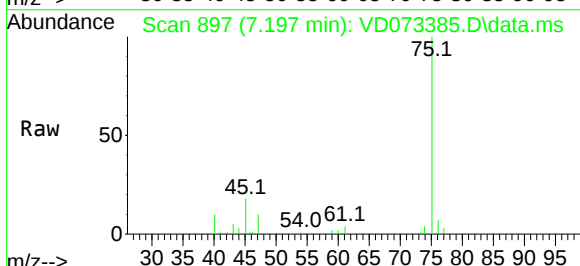
Tgt Ion: 43 Resp: 3829

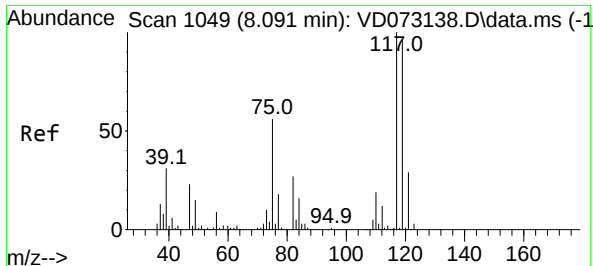
Ion Ratio Lower Upper

43 100

61 76.7 9.8 14.8#

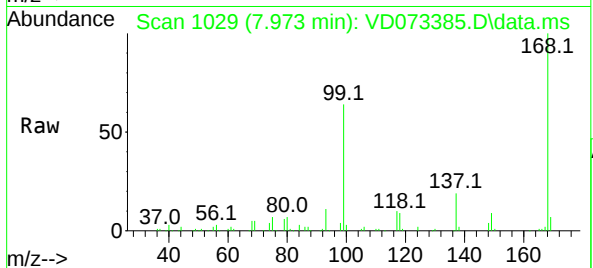
70 0.0 6.9 10.3#



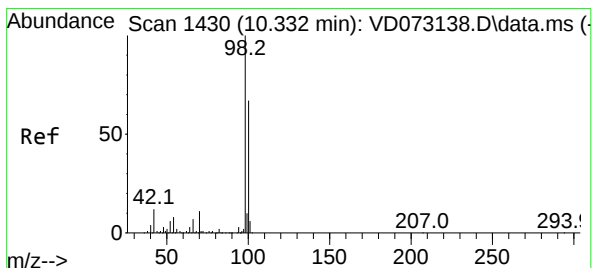
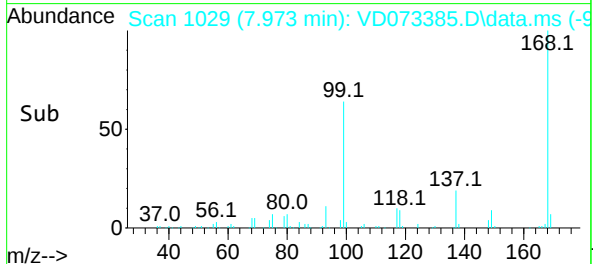
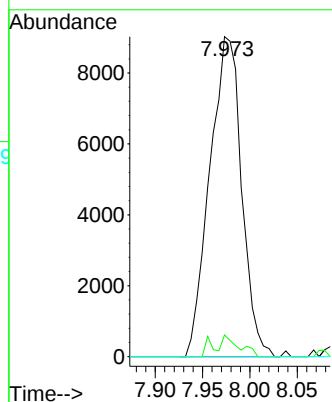


#38
Carbon Tetrachloride
Concen: 6.060 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

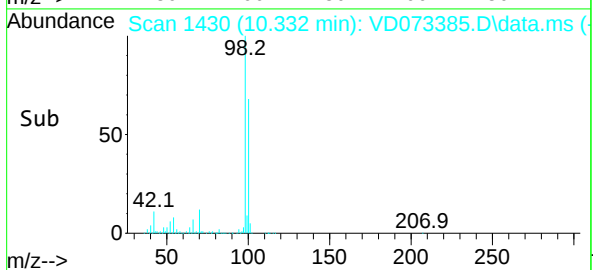
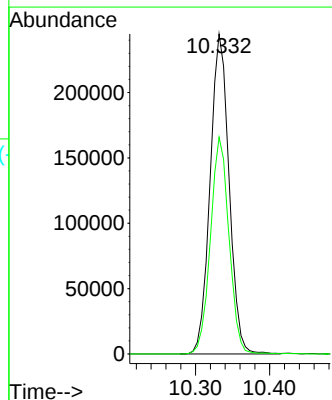
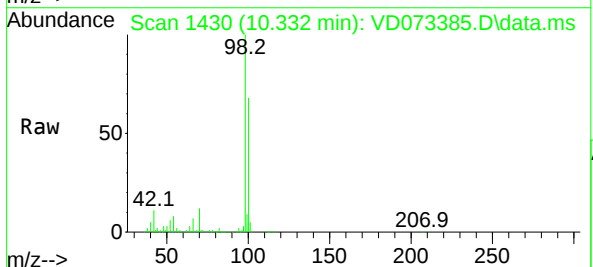


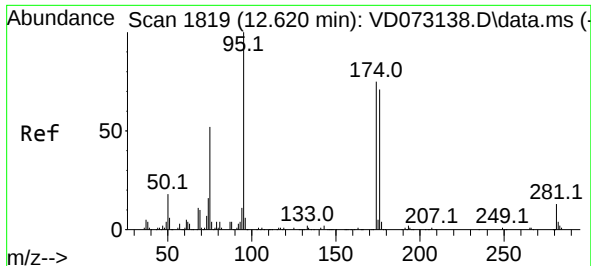
Tgt Ion:117 Resp: 21123
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.485 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

Tgt Ion: 98 Resp: 433908
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6

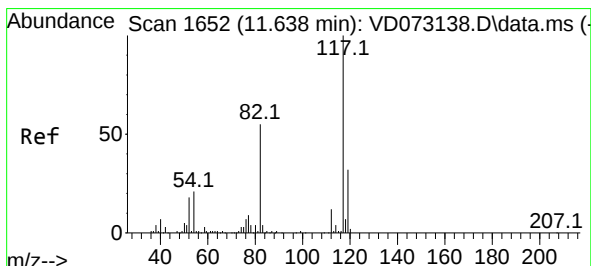
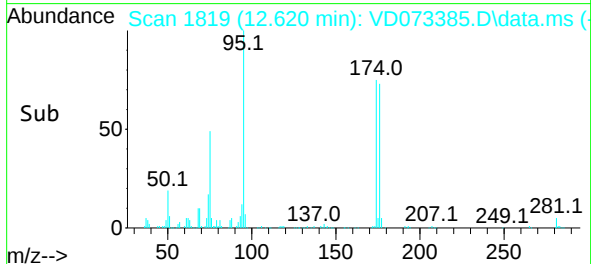
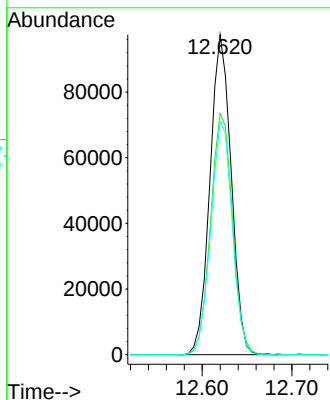
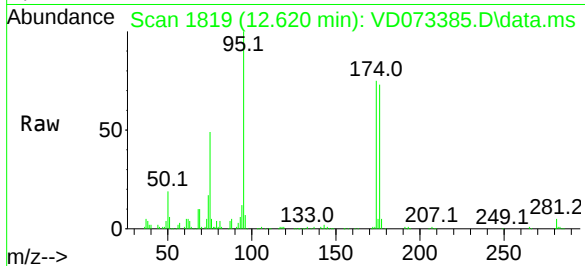




#62
4-Bromofluorobenzene
Concen: 54.025 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

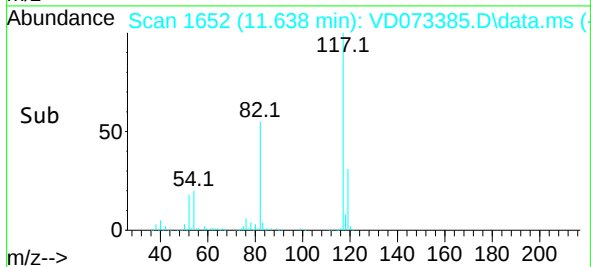
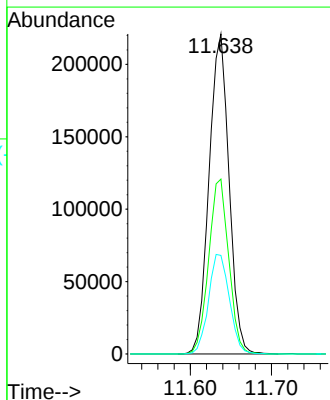
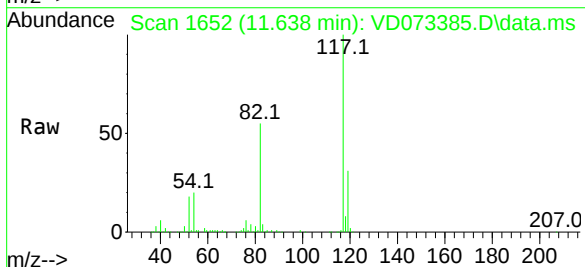
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

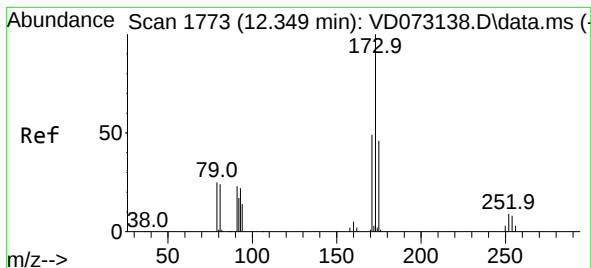
Tgt Ion: 95 Resp: 159789
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 74.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

Tgt Ion: 117 Resp: 377124
Ion Ratio Lower Upper
117 100
82 54.6 45.3 67.9
119 30.8 26.6 40.0





#71

Bromoform

Concen: 1.171 ug/l

RT: 12.614 min Scan# 1818

Delta R.T. 0.265 min

Lab File: VD073385.D

Acq: 26 May 2022 13:43

Instrument :

MSVOA_D

ClientSampleId :

BU-03-052322

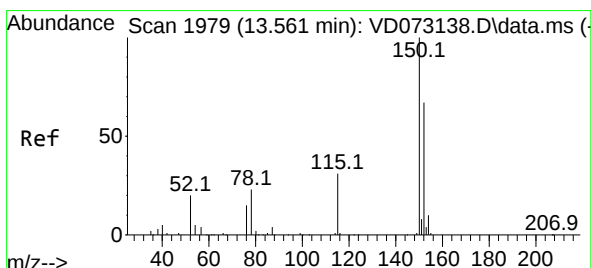
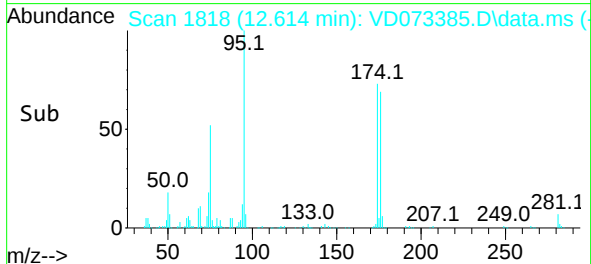
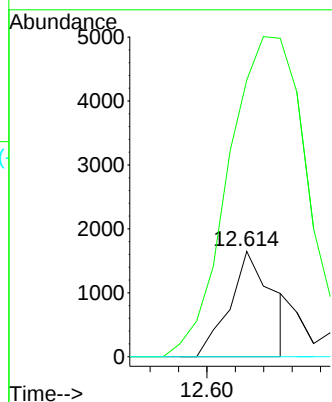
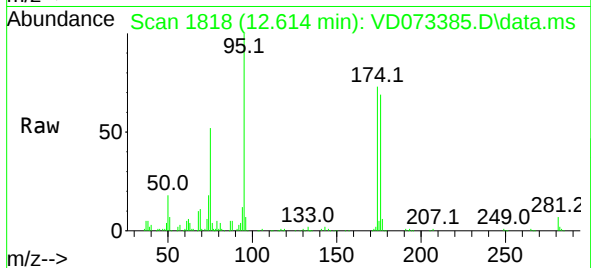
Tgt Ion:173 Resp: 1729

Ion Ratio Lower Upper

173 100

175 402.4 23.9 71.8#

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: VD073385.D

Acq: 26 May 2022 13:43

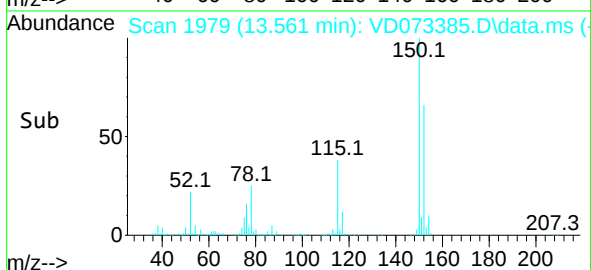
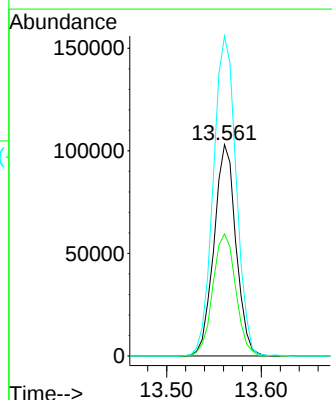
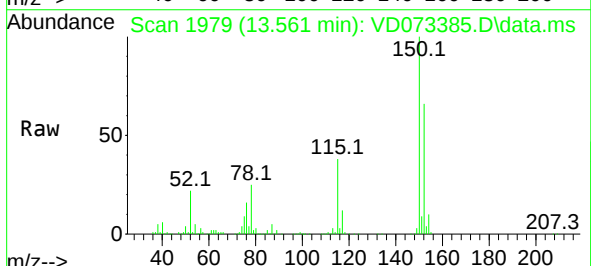
Tgt Ion:152 Resp: 166480

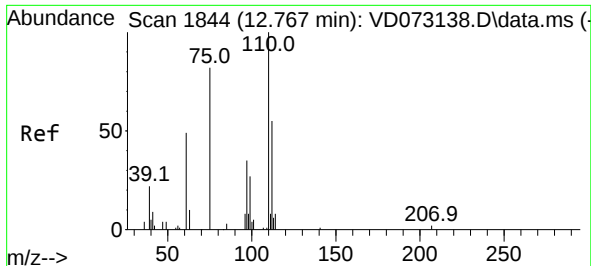
Ion Ratio Lower Upper

152 100

115 60.1 31.3 93.8

150 157.3 0.0 348.6

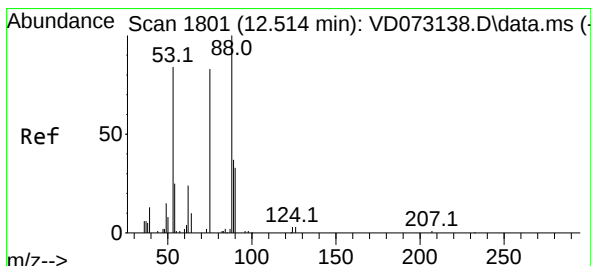
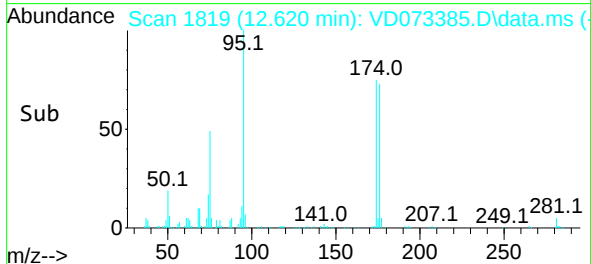
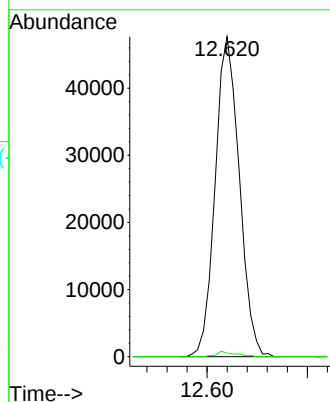
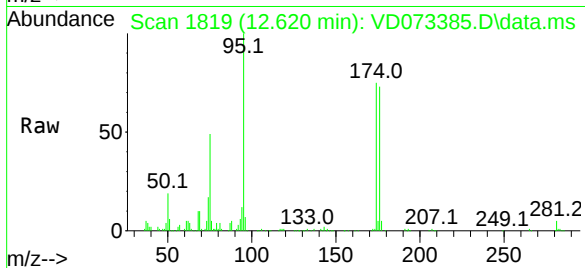




#76
1,2,3-Trichloropropane
Concen: 48.627 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

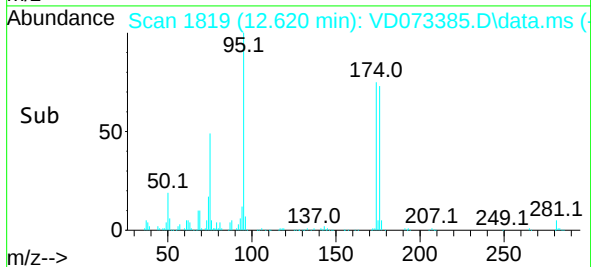
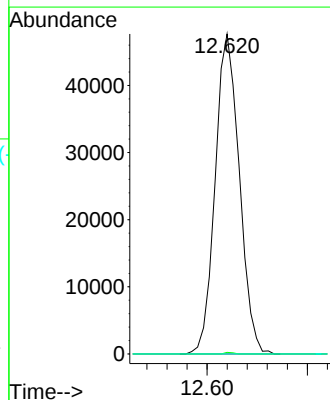
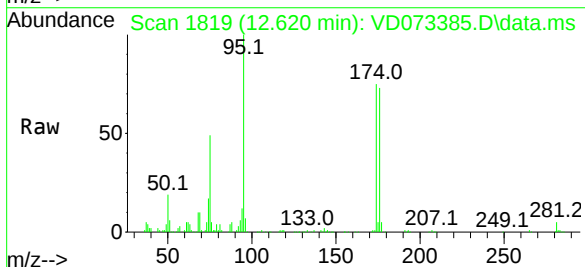
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

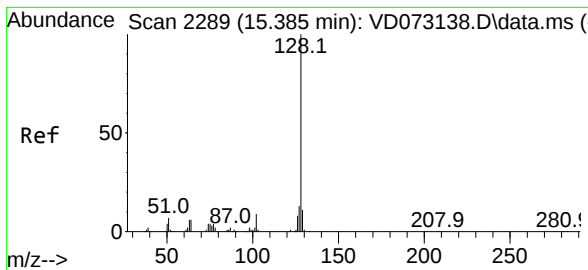
Tgt Ion: 75 Resp: 79430
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.738 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

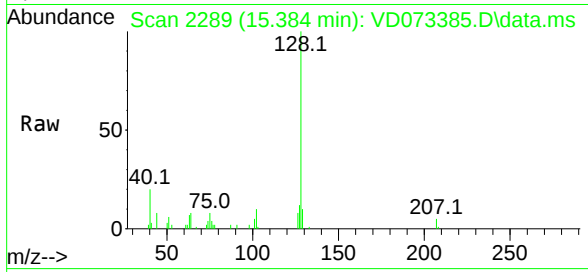
Tgt Ion: 75 Resp: 79430
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 7.478 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD073385.D
Acq: 26 May 2022 13:43

Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322



Tgt Ion:	128	Resp:	23081
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	10.8	8.4	12.6

