

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031824\
 Data File : VD078700.D
 Acq On : 18 Mar 2024 16:44
 Operator : RP/MD
 Sample : P1791-01
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-03182024

Quant Time: Mar 19 01:28:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

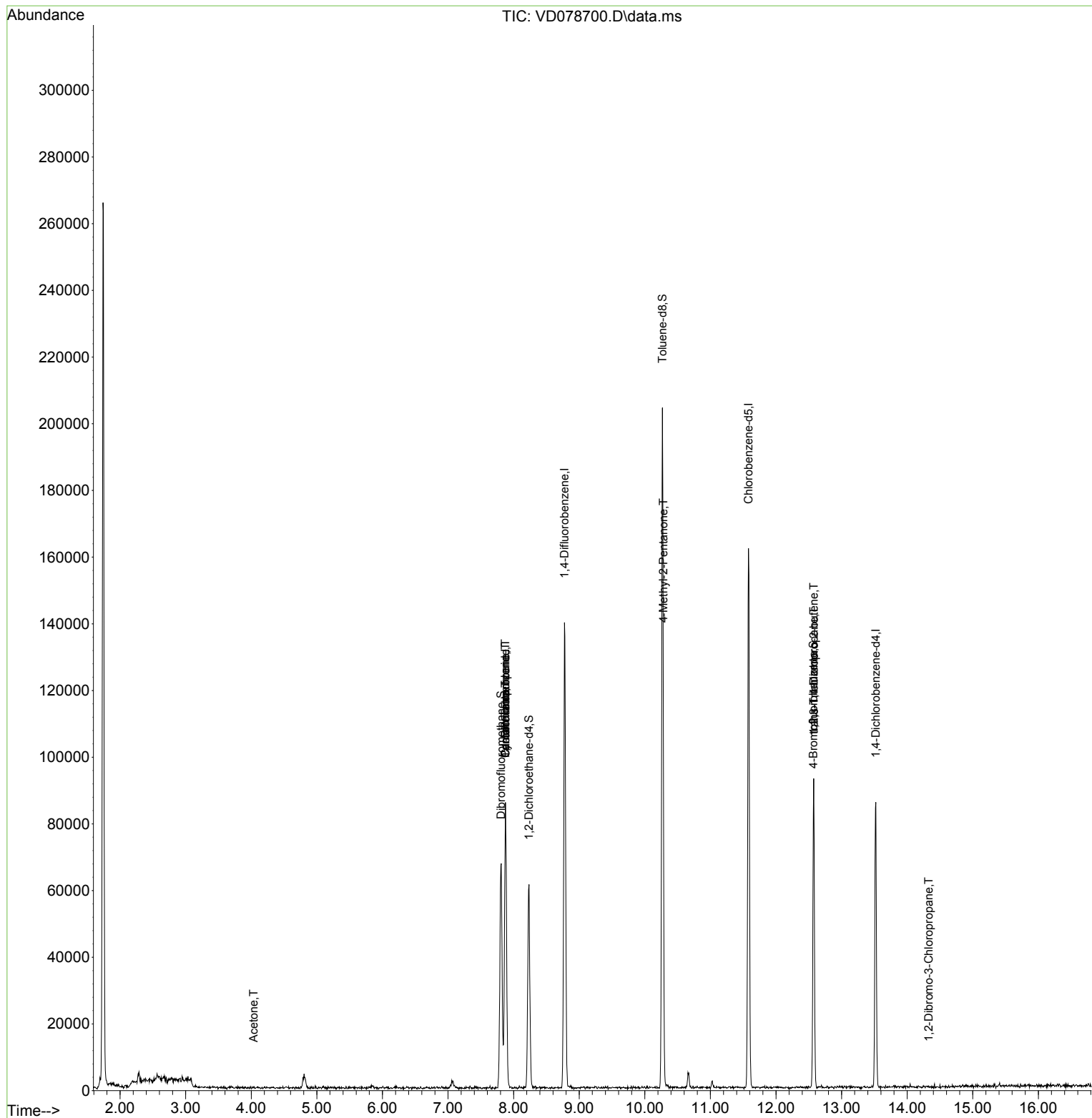
Internal Standards						
1) Pentafluorobenzene	7.875	168	64056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	126931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	100106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	24718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45021	74.996	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	150.000%
35) Dibromofluoromethane	7.810	113	49488	60.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.100%
50) Toluene-d8	10.269	98	140788	46.842	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.569	95	27349	31.103	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.200%
Target Compounds						
16) Acetone	4.034	43	297	2.558	ug/l #	39
20) Methylene Chloride	4.816	84	3039	Below Cal	#	79
31) Cyclohexane	7.875	56	1553	1.539	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	5072	4.277	ug/l #	49
38) Carbon Tetrachloride	7.875	117	6915	5.532	ug/l #	15
51) 4-Methyl-2-Pentanone	10.281	43	512	1.390	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	14177	74.445	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	14177	156.048	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	14.328	75	62	1.538	ug/l #	1

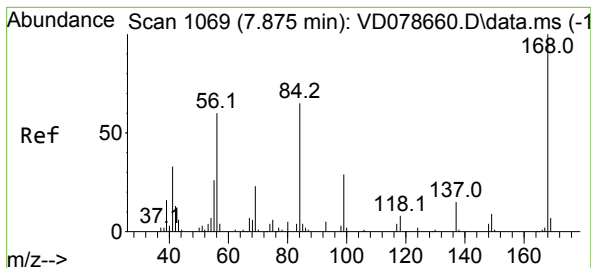
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 15 05:38:03 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078700.D

Acq: 18 Mar 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

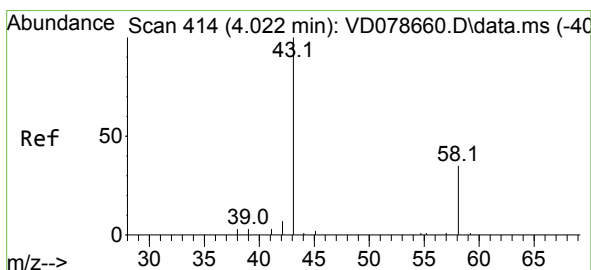
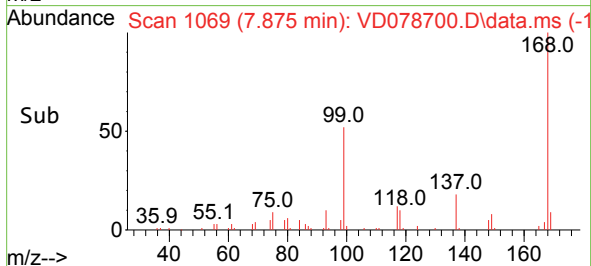
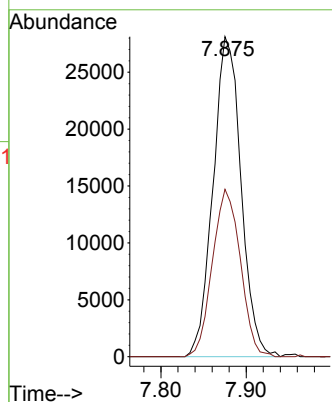
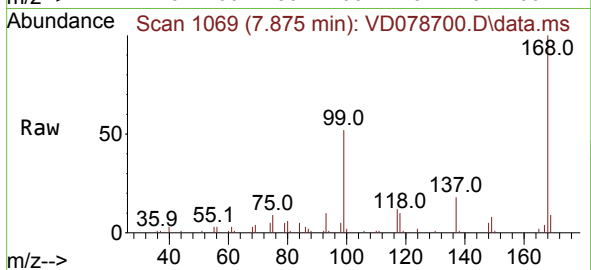
SU-04-03182024

Tgt Ion:168 Resp: 64056

Ion Ratio Lower Upper

168 100

99 52.3 38.8 58.2



#16

Acetone

Concen: 2.558 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD078700.D

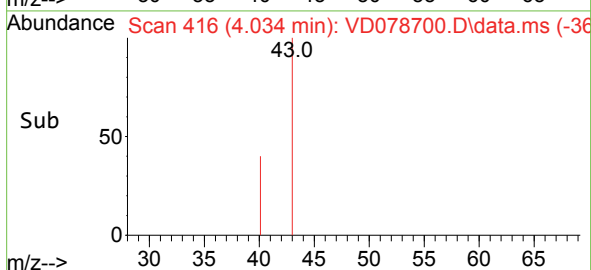
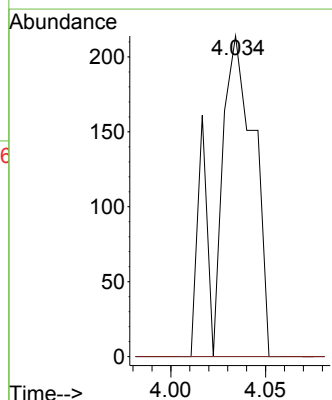
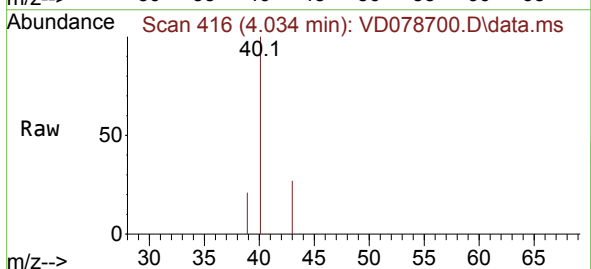
Acq: 18 Mar 2024 16:44

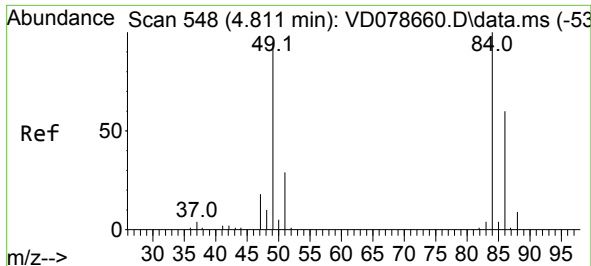
Tgt Ion: 43 Resp: 297

Ion Ratio Lower Upper

43 100

58 0.0 28.2 42.4#

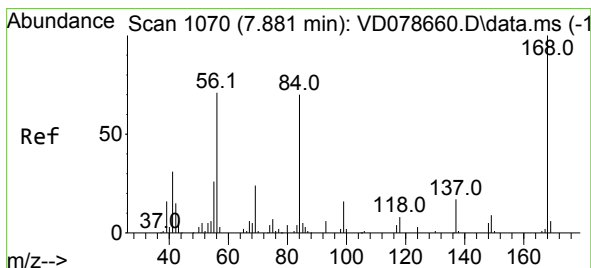
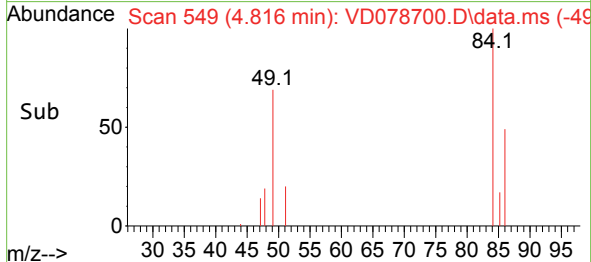
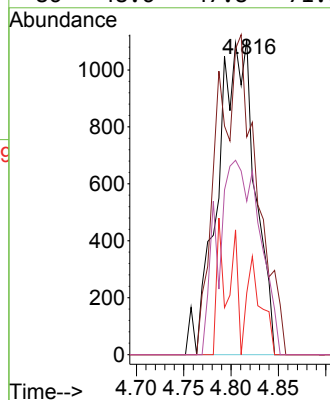
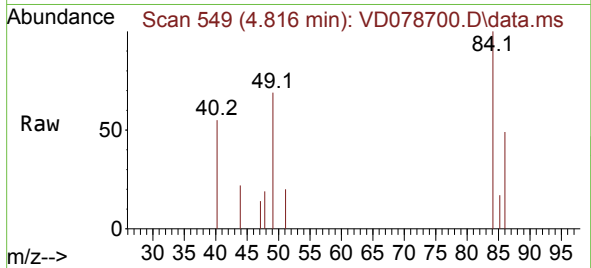




#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 54
Delta R.T. 0.005 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

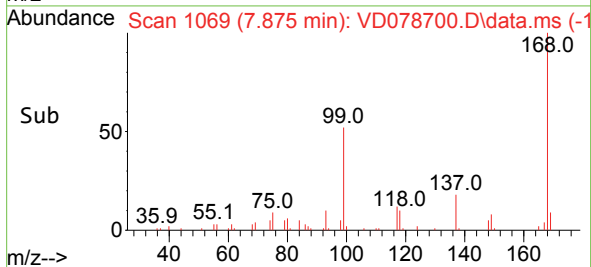
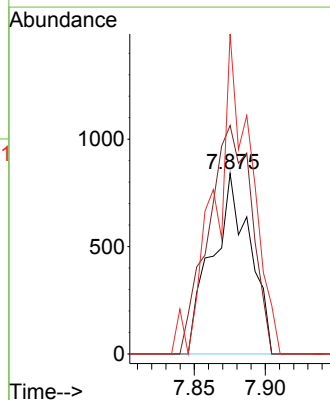
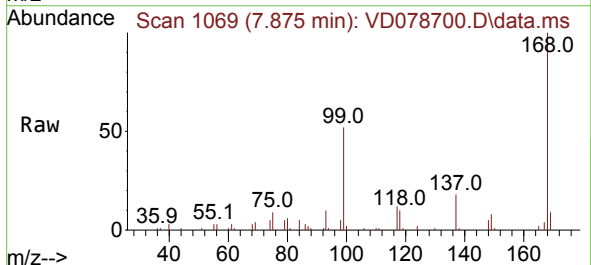
Instrument :
MSVOA_D
ClientSampleId :
SU-04-03182024

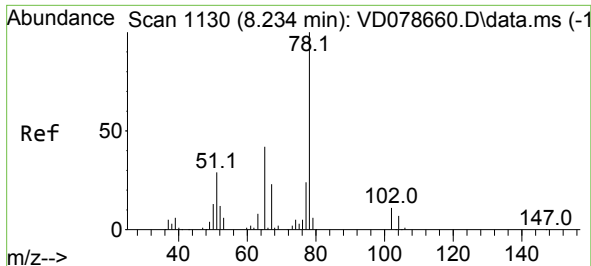
Tgt Ion: 84 Resp: 3039
Ion Ratio Lower Upper
84 100
49 69.0 75.6 113.4#
51 19.6 23.4 35.0#
86 48.6 47.8 71.6



#31
Cyclohexane
Concen: 1.539 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

Tgt Ion: 56 Resp: 1553
Ion Ratio Lower Upper
56 100
69 126.7 26.6 40.0#
84 177.4 79.4 119.2#





#33

1,2-Dichloroethane-d4

Concen: 74.996 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078700.D

Acq: 18 Mar 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

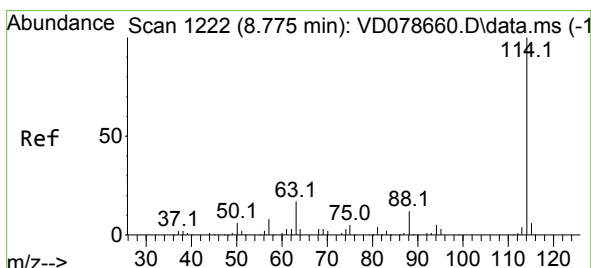
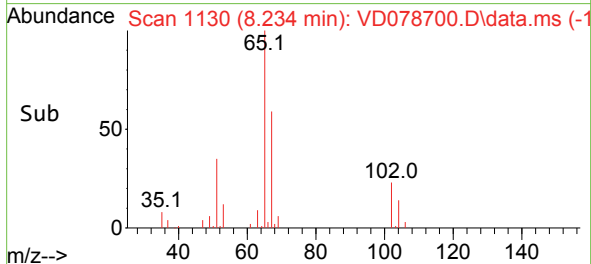
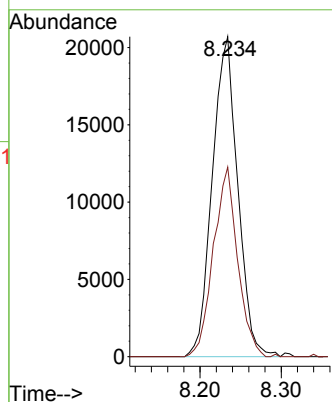
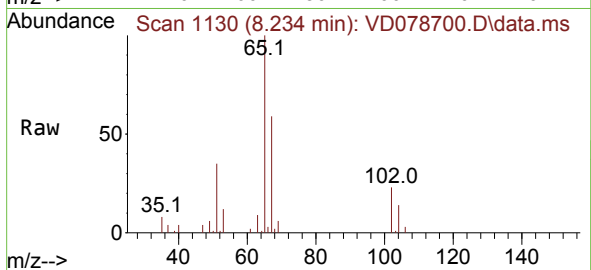
SU-04-03182024

Tgt Ion: 65 Resp: 45021

Ion Ratio Lower Upper

65 100

67 56.5 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD078700.D

Acq: 18 Mar 2024 16:44

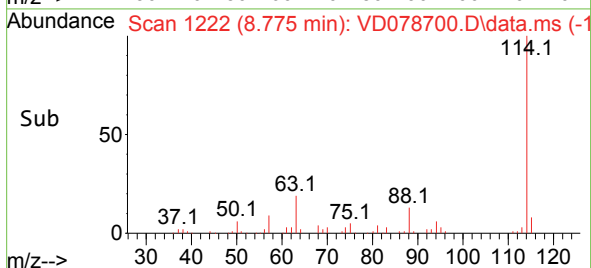
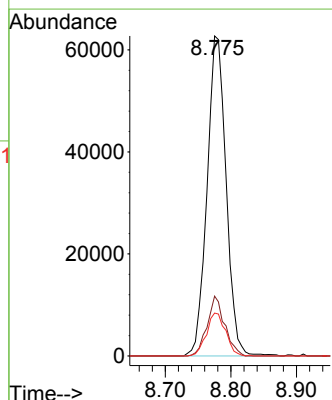
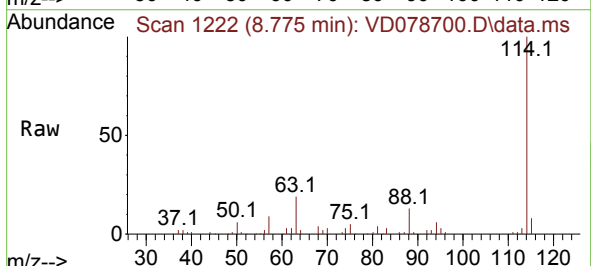
Tgt Ion: 114 Resp: 126931

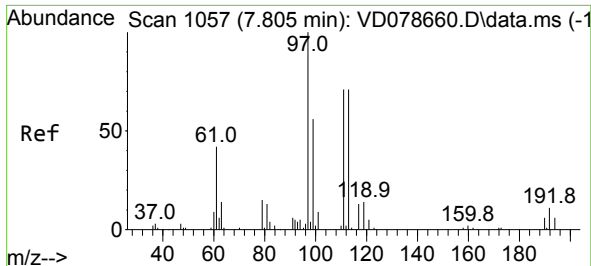
Ion Ratio Lower Upper

114 100

63 18.7 0.0 33.4

88 13.4 0.0 24.6

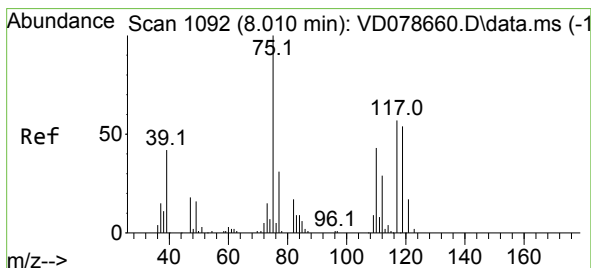
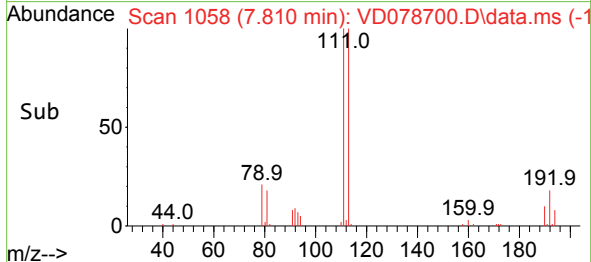
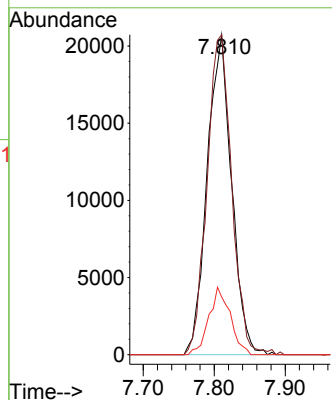
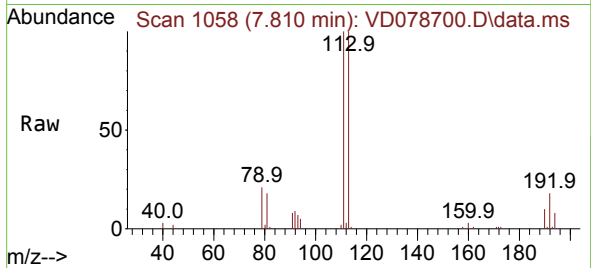




#35
Dibromofluoromethane
Concen: 60.555 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

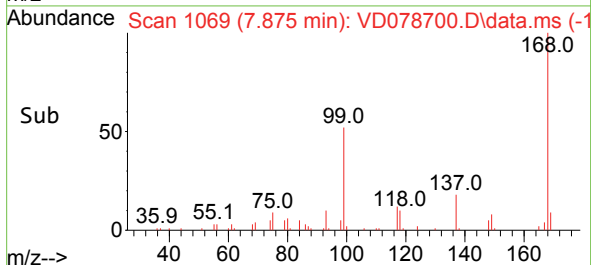
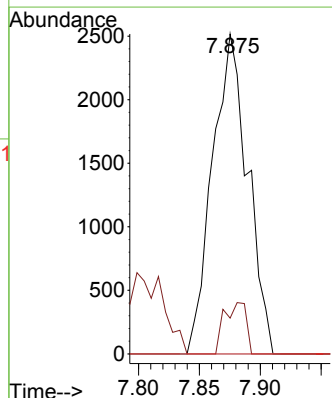
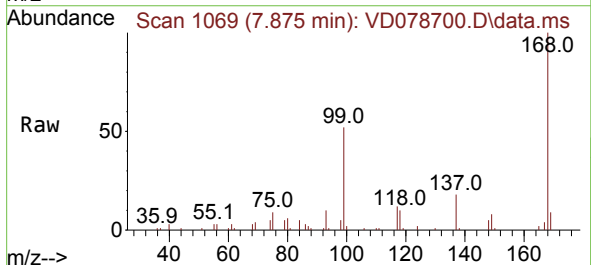
Instrument :
MSVOA_D
ClientSampleId :
SU-04-03182024

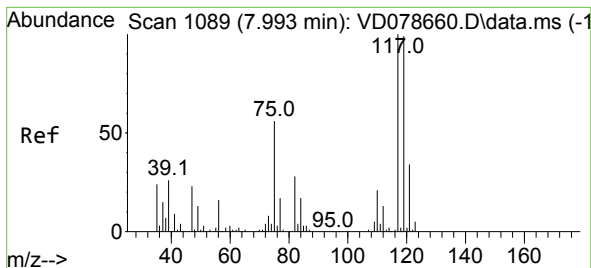
Tgt Ion:113 Resp: 49488
Ion Ratio Lower Upper
113 100
111 101.0 81.9 122.9
192 18.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.277 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

Tgt Ion: 75 Resp: 5072
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.1#
77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.532 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078700.D

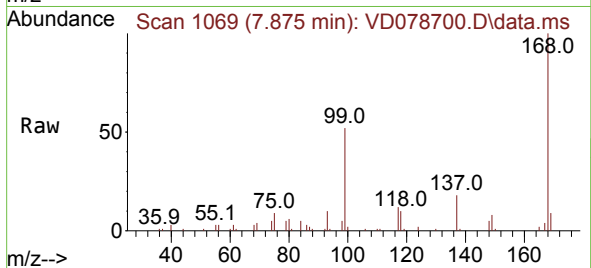
Acq: 18 Mar 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

SU-04-03182024



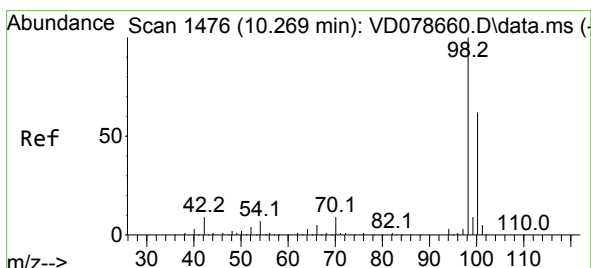
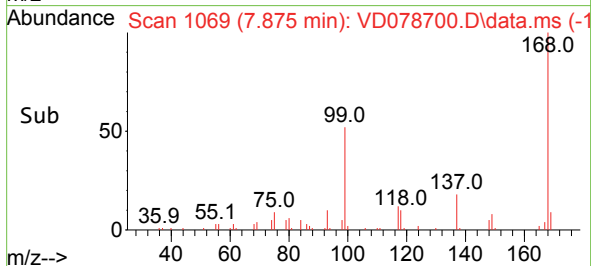
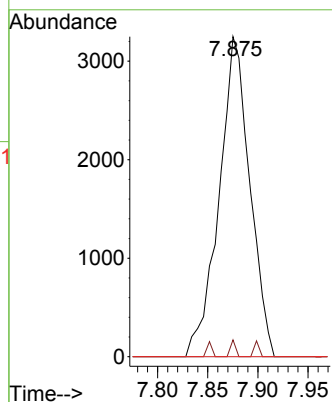
Tgt Ion:117 Resp: 6915

Ion Ratio Lower Upper

117 100

119 5.3 79.2 118.8#

121 0.0 26.8 40.2#



#50

Toluene-d8

Concen: 46.842 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078700.D

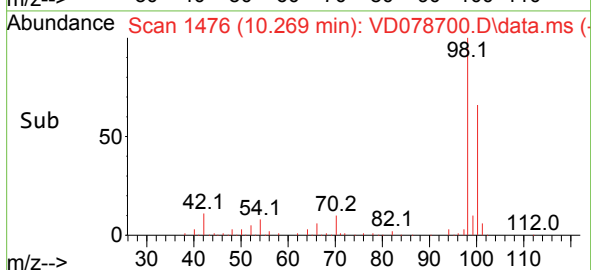
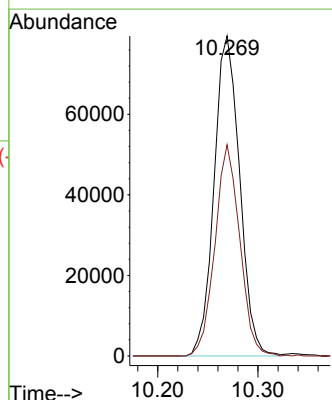
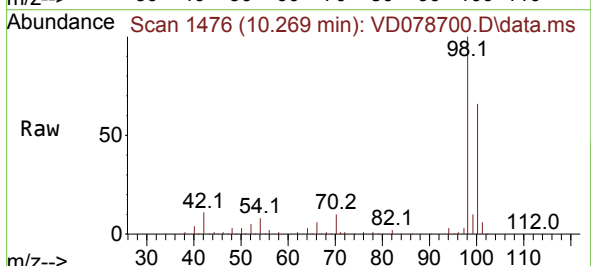
Acq: 18 Mar 2024 16:44

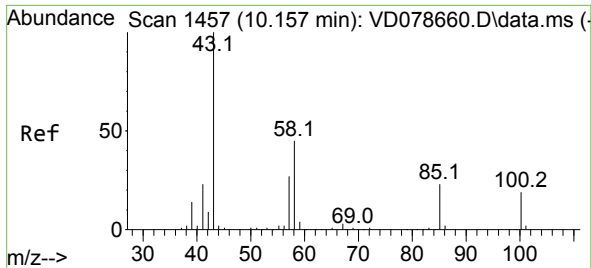
Tgt Ion: 98 Resp: 140788

Ion Ratio Lower Upper

98 100

100 64.1 50.5 75.7





#51

4-Methyl-2-Pentanone

Concen: 1.390 ug/l

RT: 10.281 min Scan# 1457

Delta R.T. 0.124 min

Lab File: VD078700.D

Acq: 18 Mar 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

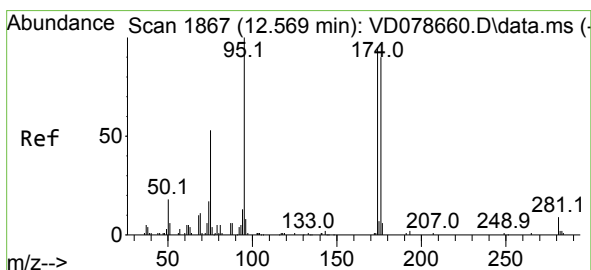
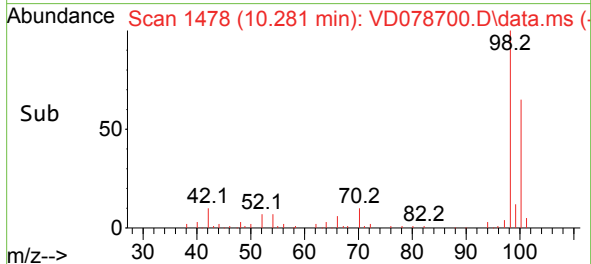
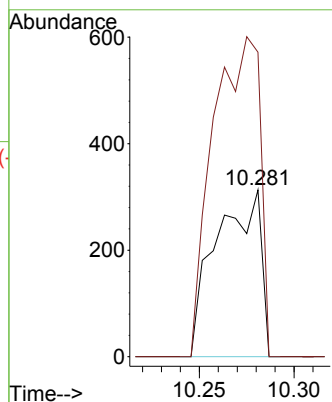
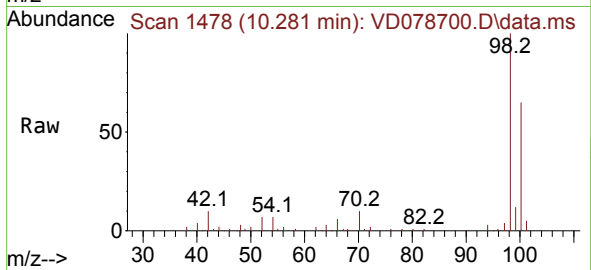
SU-04-03182024

Tgt Ion: 43 Resp: 512

Ion Ratio Lower Upper

43 100

58 202.0 36.4 54.6#



#62

4-Bromofluorobenzene

Concen: 31.103 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD078700.D

Acq: 18 Mar 2024 16:44

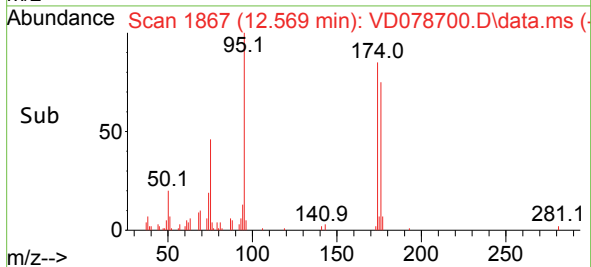
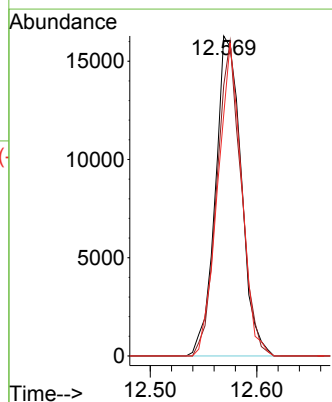
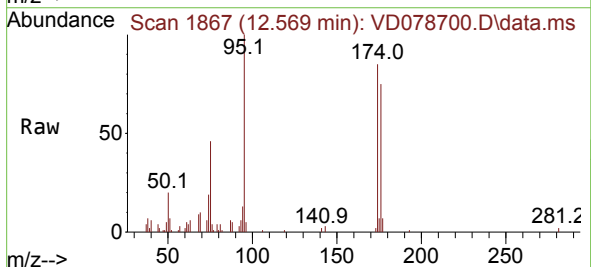
Tgt Ion: 95 Resp: 27349

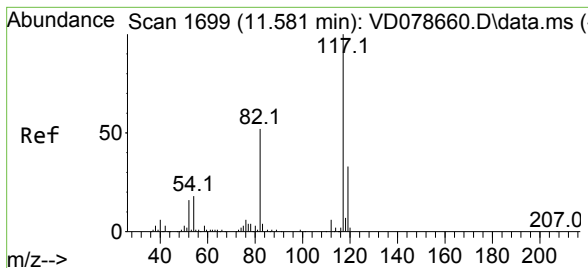
Ion Ratio Lower Upper

95 100

174 92.3 0.0 195.2

176 90.3 0.0 188.2

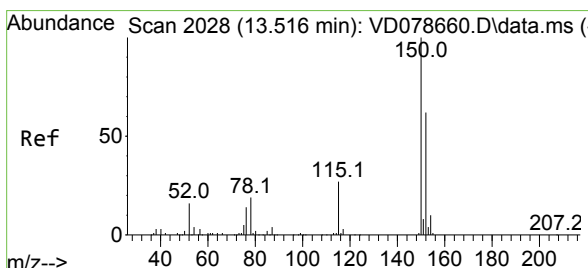
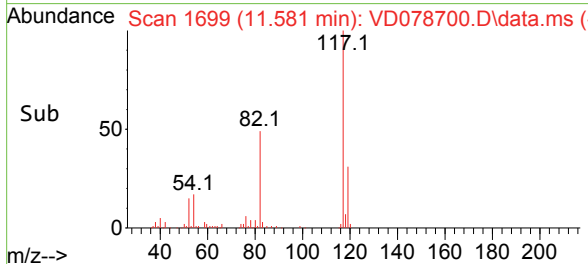
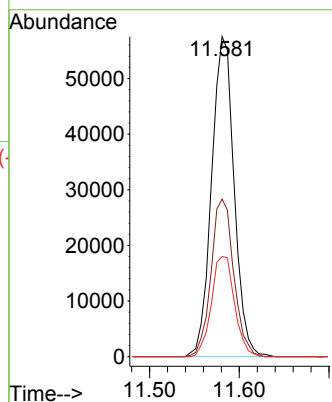
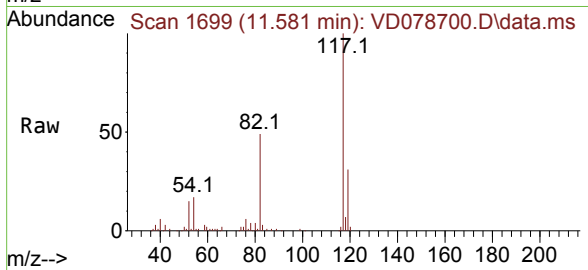




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

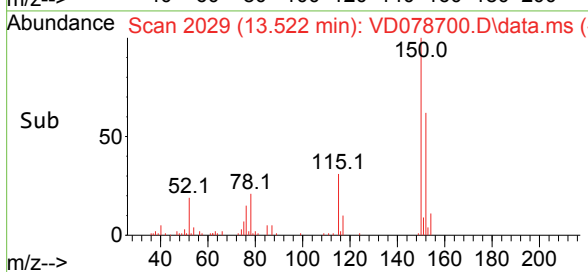
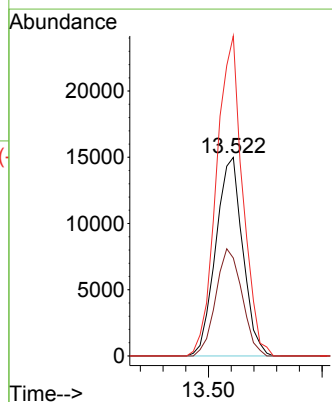
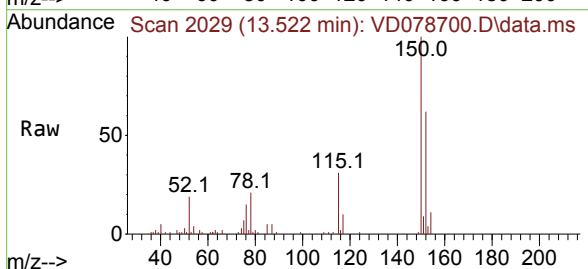
Instrument :
MSVOA_D
ClientSampleId :
SU-04-03182024

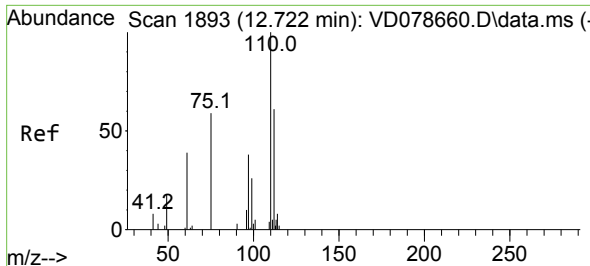
Tgt Ion:117 Resp: 100106
Ion Ratio Lower Upper
117 100
82 49.3 41.4 62.2
119 31.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

Tgt Ion:152 Resp: 24718
Ion Ratio Lower Upper
152 100
115 52.6 27.1 81.2
150 156.6 0.0 350.2

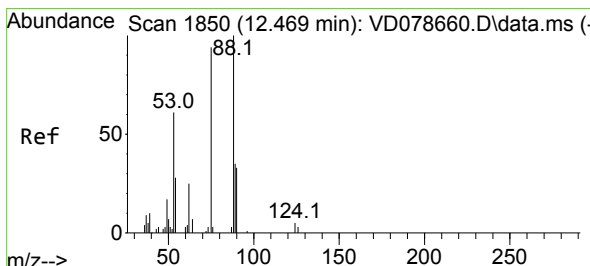
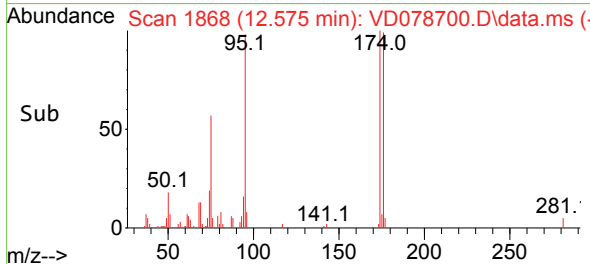
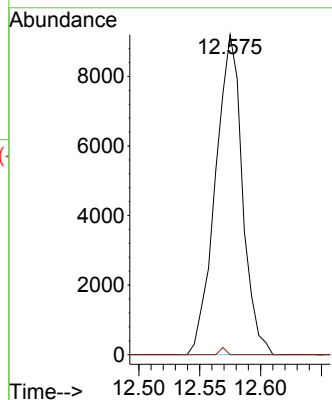
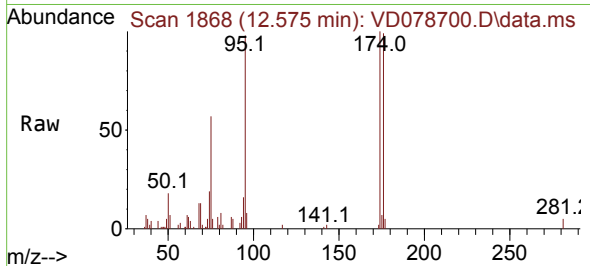




#76
1,2,3-Trichloropropane
Concen: 74.445 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

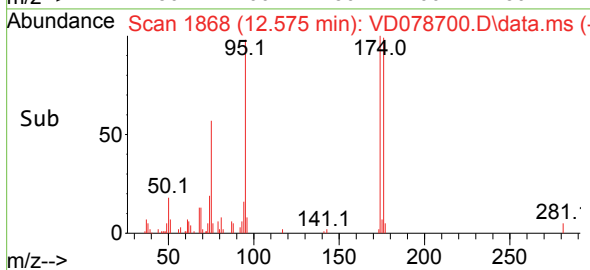
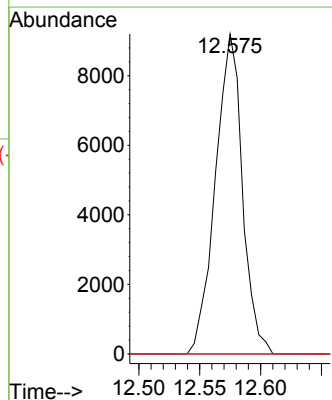
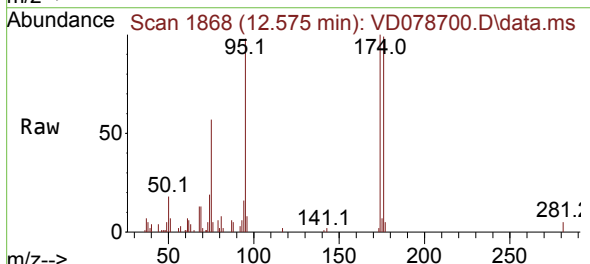
Instrument :
MSVOA_D
ClientSampleId :
SU-04-03182024

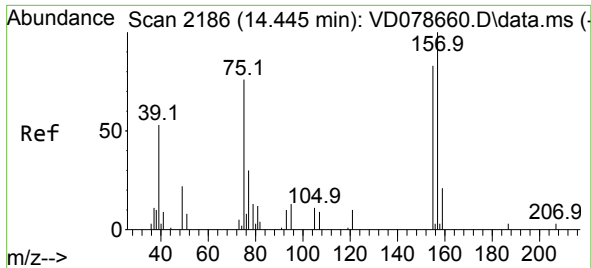
Tgt Ion: 75 Resp: 14177
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 156.048 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

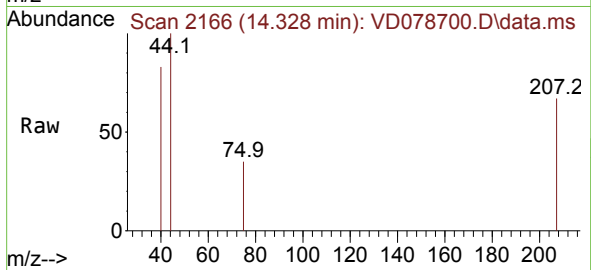
Tgt Ion: 75 Resp: 14177
Ion Ratio Lower Upper
75 100
53 0.0 61.0 91.6#
89 0.0 35.4 53.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.538 ug/l
 RT: 14.328 min Scan# 21
 Delta R.T. -0.118 min
 Lab File: VD078700.D
 Acq: 18 Mar 2024 16:44

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-03182024



Tgt Ion: 75 Resp: 62
 Ion Ratio Lower Upper
 75 100
 155 0.0 49.8 149.3#
 157 0.0 65.5 196.3#

