

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031423\
 Data File : VW030189.D
 Acq On : 14 Mar 2023 12:09
 Operator : SY/MD
 Sample : 01884-03DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB908DL

Quant Time: Mar 15 01:37:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 15 01:37:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	147551	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	150479	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	91834	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	53610	5.615	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.400%
7) Chloroethane-d5	1.536	69	46292	5.165	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.400%
11) 1,1-Dichloroethene-d2	2.063	63	78812	4.015	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.400%
20) 2-Butanone-d5	3.851	46	56028	31.830	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	63.660%
24) Chloroform-d	4.262	84	96062	4.926	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	4.957	65	41404	5.201	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	4.973	84	179490	4.433	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	5.998	67	56404	4.630	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.252	98	154295	4.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	7.561	79	19218	4.611	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.040	63	73963	42.898	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.800%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	44336	5.116	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	11.571	152	74365	4.786	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	3833	0.203	ug/L	94
16) Methylene chloride	2.455	84	7562	0.625	ug/L	96
17) Methyl tert-butyl Ether	2.716	73	6432	0.332	ug/L	97
37) 1,2-Dichloropropane	5.998	63	5843	0.559	ug/L #	86
39) cis-1,3-Dichloropropene	6.928	75	1196	0.078	ug/L #	36
51) Chlorobenzene	8.821	112	249580	8.314	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.188	83	2017	0.241	ug/L #	41
60) Isopropylbenzene	9.876	105	66648	1.261	ug/L	99
61) 1,2,3-Trichloropropane	9.873	75	797	0.130	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.487	105	10461	0.241	ug/L	99
63) 1,2,4-Trimethylbenzene	10.863	105	8477	0.191	ug/L	97
64) 1,3-Dichlorobenzene	11.130	146	5126	0.186	ug/L	97
65) 1,4-Dichlorobenzene	11.220	146	18540	0.668	ug/L	97
67) 1,2-Dichlorobenzene	11.590	146	1780	0.073	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	12.365	75	821	0.598	ug/L #	1
71) Naphthalene	13.451	128	1840	0.077	ug/L #	83

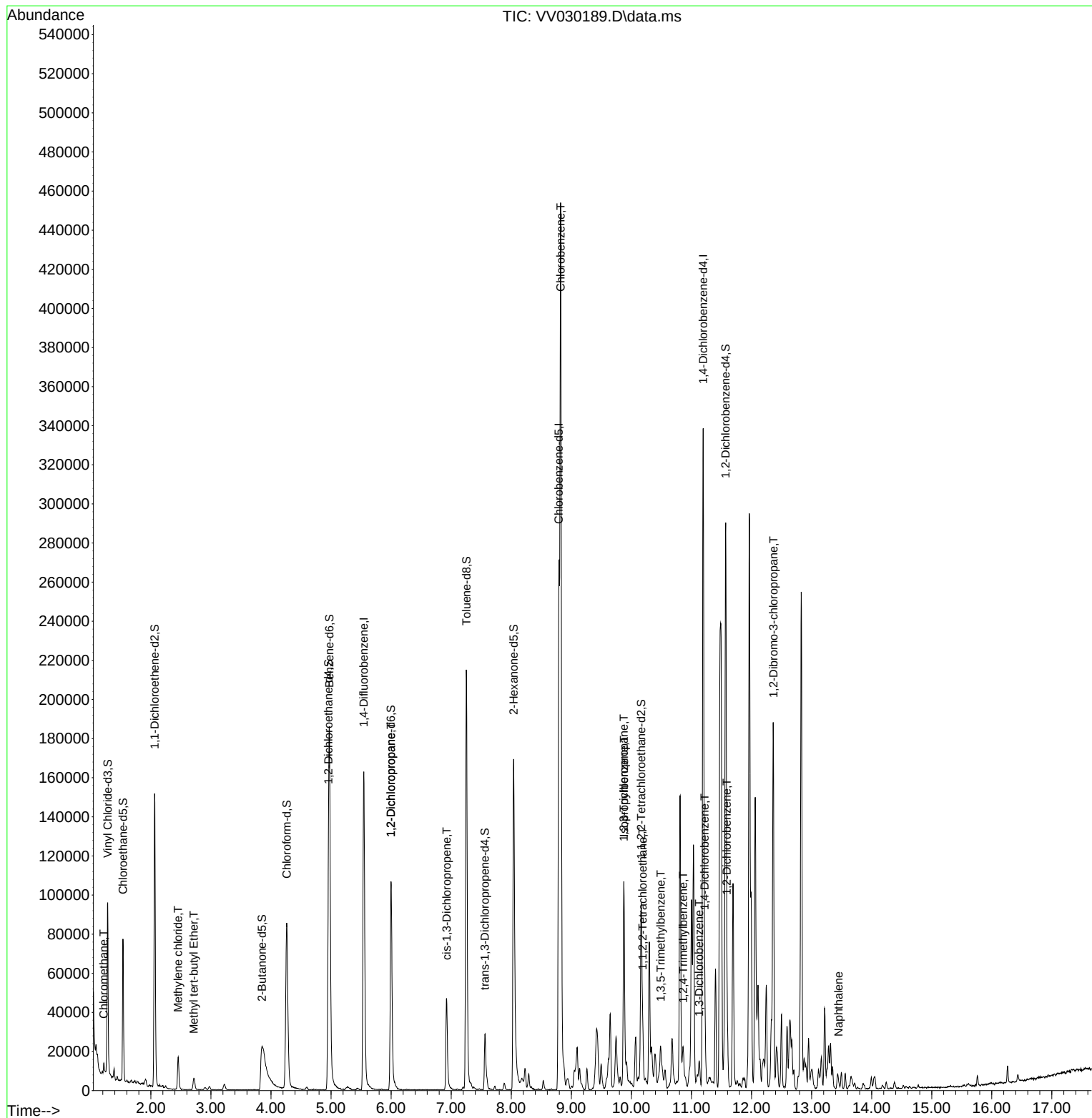
(#) = qualifier out of range (m) = manual integration (+) = signals summed

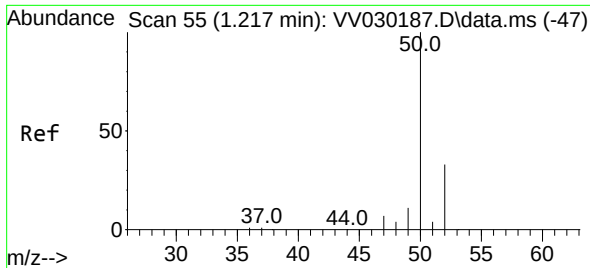
Instrument :
MSVOA_V
ClientSampleId :
CB908DL

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031423\
Data File : VV030189.D
Acq On : 14 Mar 2023 12:09
Operator : SY/MD
Sample : 01884-03DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB908DL

Quant Time: Mar 15 01:37:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Mar 15 01:37:04 2023
Response via : Initial Calibration

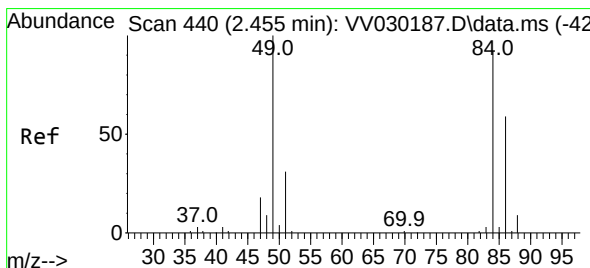
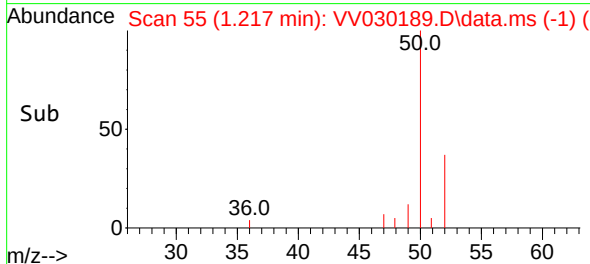
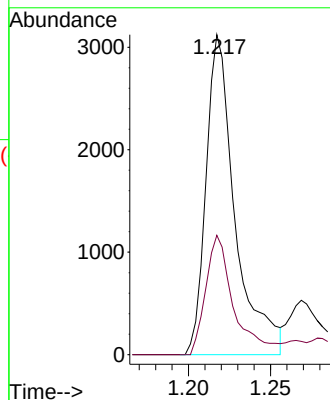
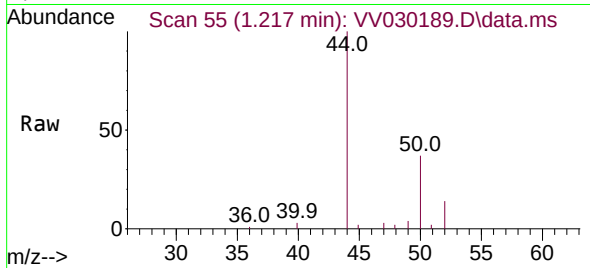




#3
Chloromethane
Concen: 0.203 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030189.D
Acq: 14 Mar 2023 12:09

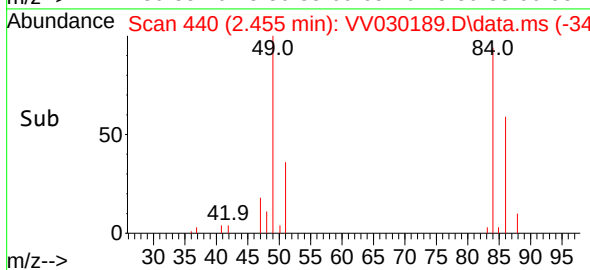
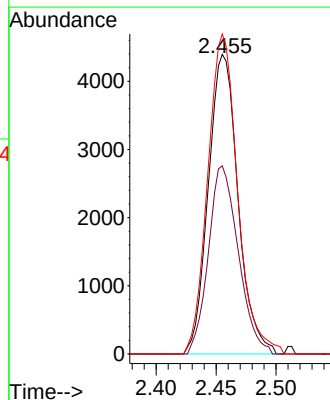
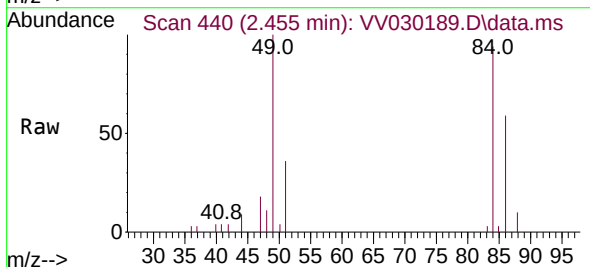
Instrument :
MSVOA_V
ClientSampleId :
CB908DL

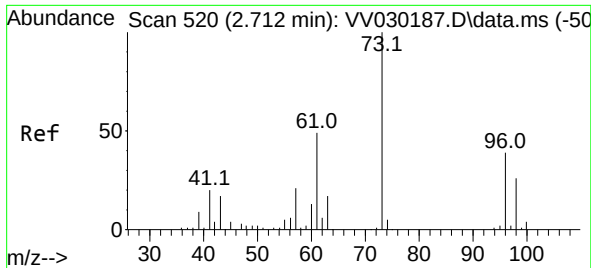
Tgt Ion: 50 Resp: 3833
Ion Ratio Lower Upper
50 100
52 37.3 23.6 43.8



#16
Methylene chloride
Concen: 0.625 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030189.D
Acq: 14 Mar 2023 12:09

Tgt Ion: 84 Resp: 7562
Ion Ratio Lower Upper
84 100
86 62.8 44.7 83.1
49 106.8 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 0.332 ug/L

RT: 2.716 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV030189.D

Acq: 14 Mar 2023 12:09

Instrument :

MSVOA_V

ClientSampleId :

CB908DL

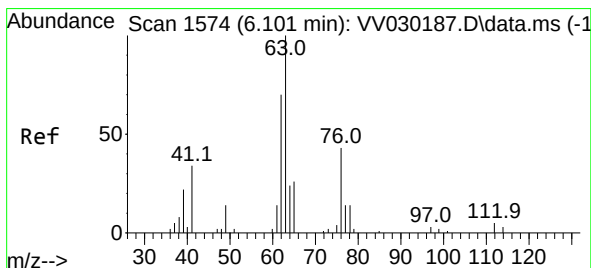
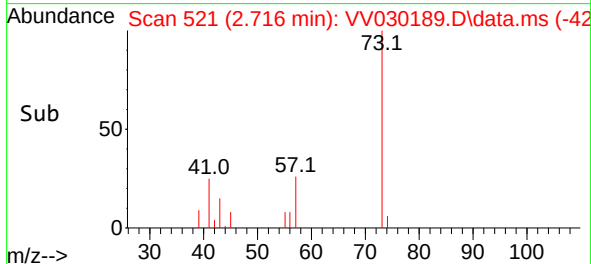
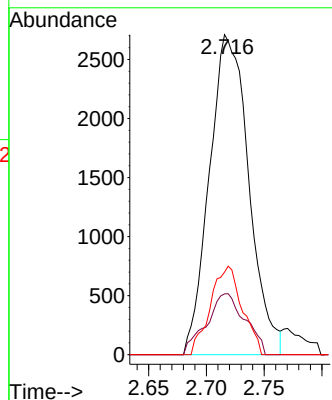
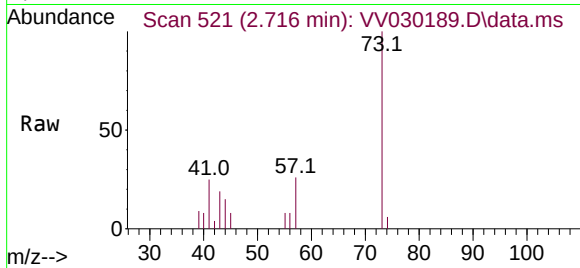
Tgt Ion: 73 Resp: 6432

Ion Ratio Lower Upper

73 100

43 18.7 13.4 20.2

57 22.3 16.8 25.2



#37

1,2-Dichloropropane

Concen: 0.559 ug/L

RT: 5.998 min Scan# 1542

Delta R.T. -0.103 min

Lab File: VV030189.D

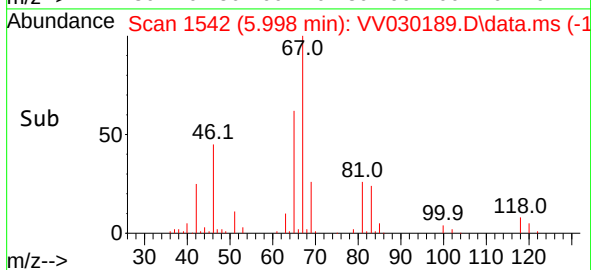
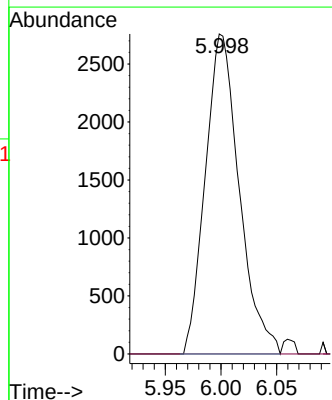
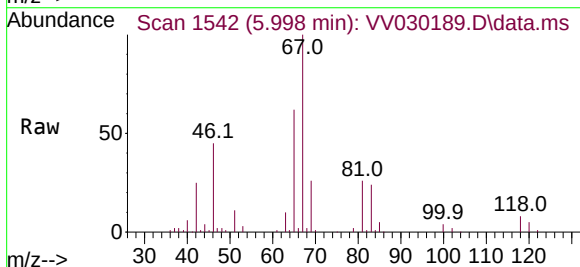
Acq: 14 Mar 2023 12:09

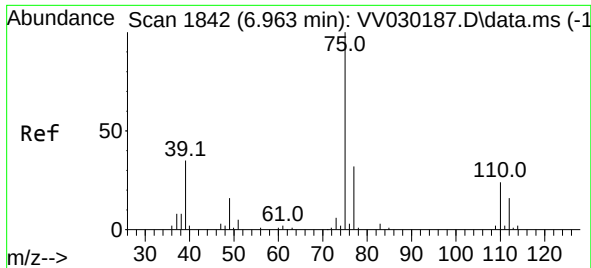
Tgt Ion: 63 Resp: 5843

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 6.928 min Scan# 1831

Delta R.T. -0.035 min

Lab File: VV030189.D

Acq: 14 Mar 2023 12:09

Instrument :

MSVOA_V

ClientSampleId :

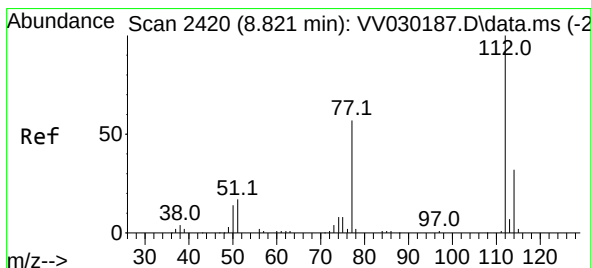
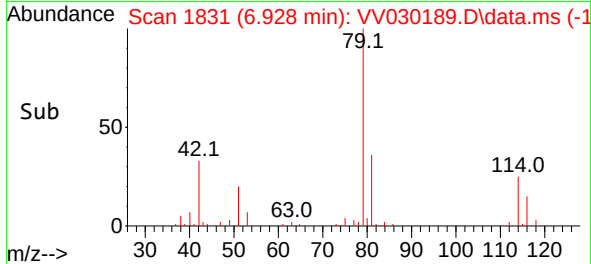
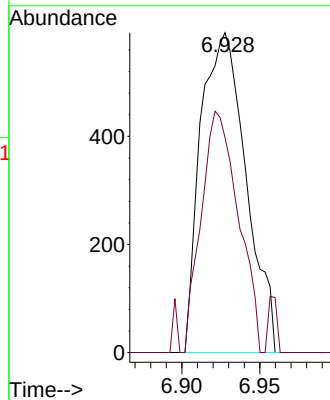
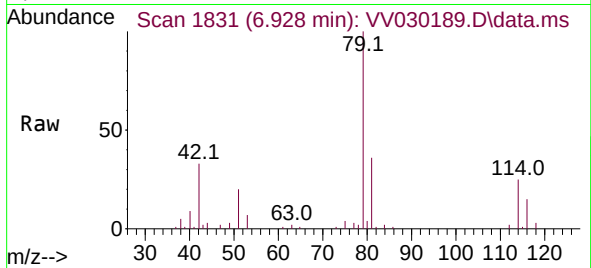
CB908DL

Tgt Ion: 75 Resp: 1196

Ion Ratio Lower Upper

75 100

77 67.2 22.3 41.3#



#51

Chlorobenzene

Concen: 8.314 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030189.D

Acq: 14 Mar 2023 12:09

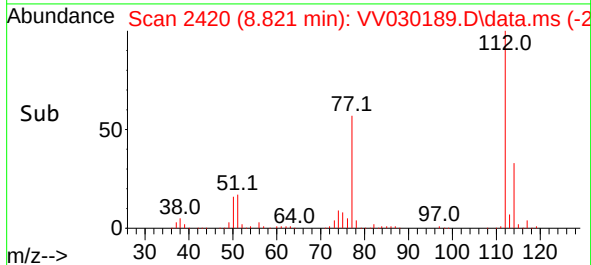
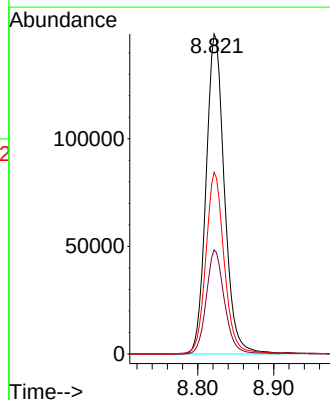
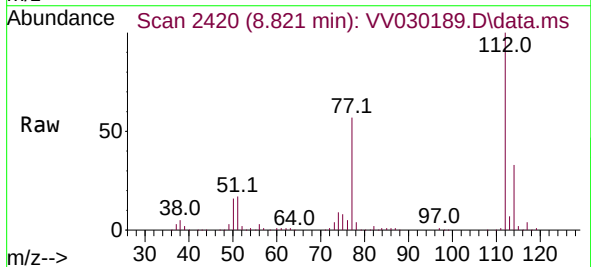
Tgt Ion: 112 Resp: 249580

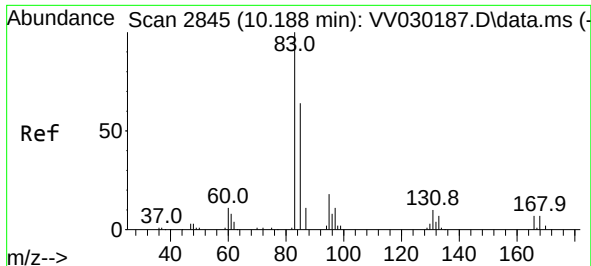
Ion Ratio Lower Upper

112 100

114 32.6 22.5 41.7

77 56.8 45.3 67.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.241 ug/L

RT: 10.188 min Scan# 2845

Delta R.T. -0.000 min

Lab File: VV030189.D

Acq: 14 Mar 2023 12:09

Instrument :

MSVOA_V

ClientSampleId :

CB908DL

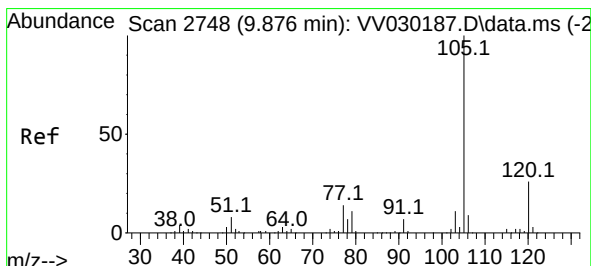
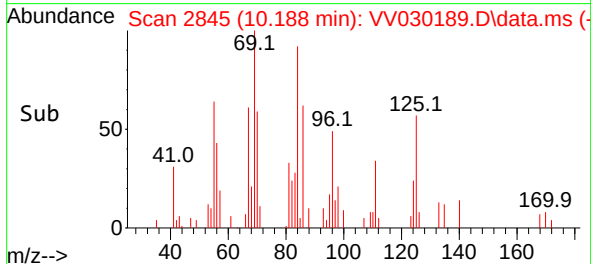
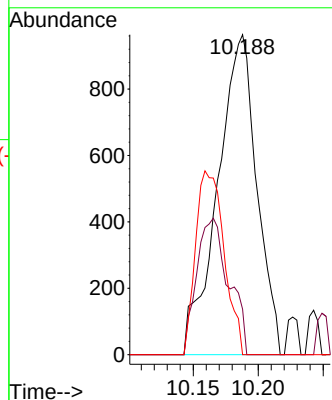
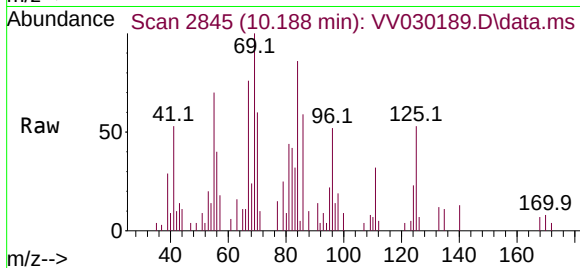
Tgt Ion: 83 Resp: 2017

Ion Ratio Lower Upper

83 100

85 14.2 45.0 83.6#

131 0.0 8.2 12.4#



#60

Isopropylbenzene

Concen: 1.261 ug/L

RT: 9.876 min Scan# 2748

Delta R.T. -0.000 min

Lab File: VV030189.D

Acq: 14 Mar 2023 12:09

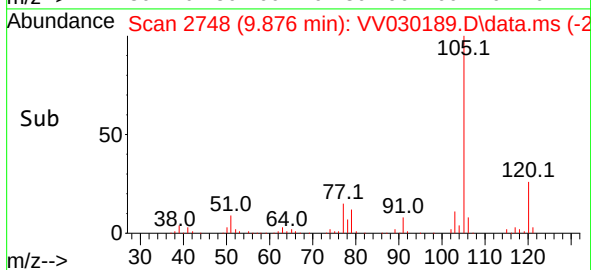
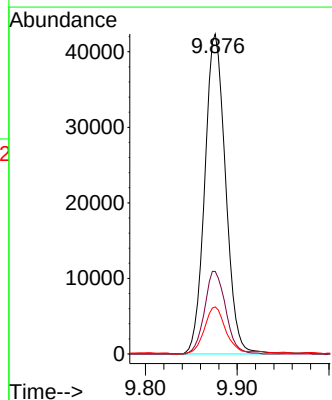
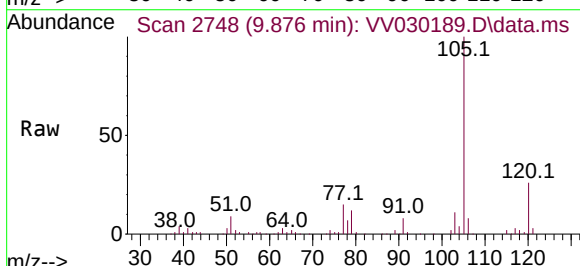
Tgt Ion: 105 Resp: 66648

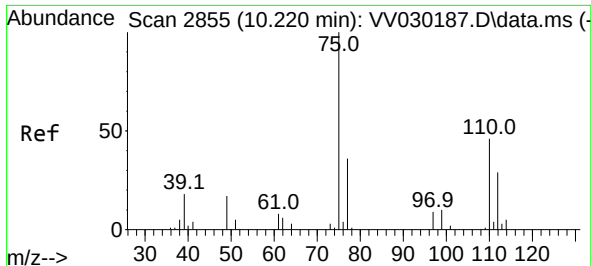
Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.0

77 15.1 12.1 18.1

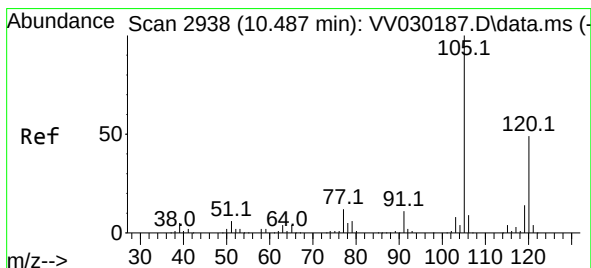
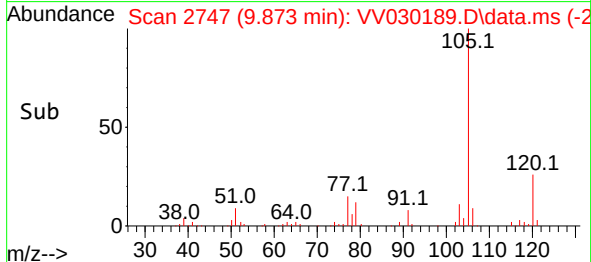
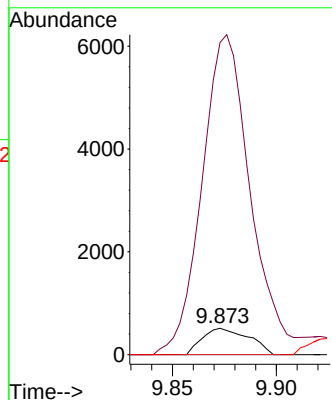
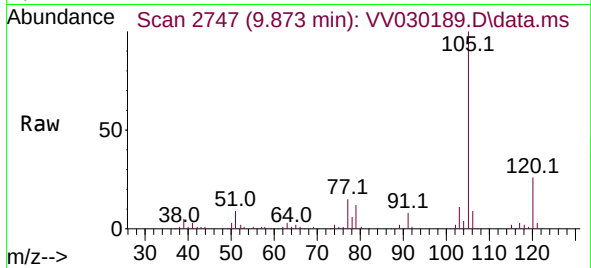




#61
1,2,3-Trichloropropane
Concen: 0.130 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.347 min
Lab File: VV030189.D
Acq: 14 Mar 2023 12:09

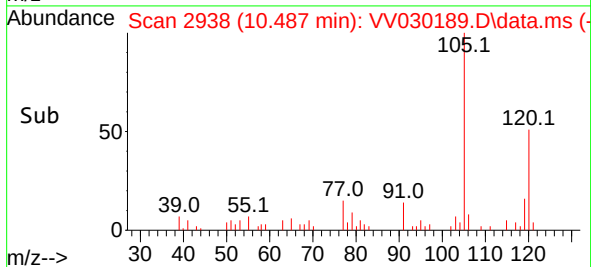
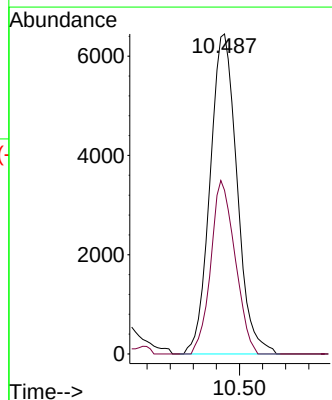
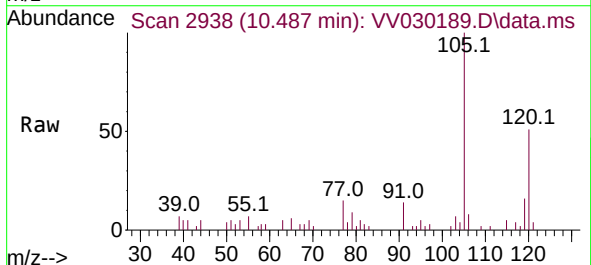
Instrument :
MSVOA_V
ClientSampleId :
CB908DL

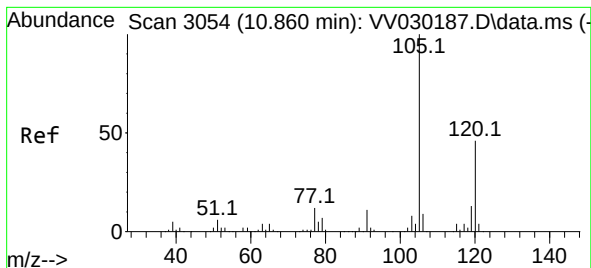
Tgt Ion: 75 Resp: 797
Ion Ratio Lower Upper
75 100
77 1264.4 26.5 39.7#
110 75.9 31.8 47.6#



#62
1,3,5-Trimethylbenzene
Concen: 0.241 ug/L
RT: 10.487 min Scan# 2938
Delta R.T. -0.000 min
Lab File: VV030189.D
Acq: 14 Mar 2023 12:09

Tgt Ion: 105 Resp: 10461
Ion Ratio Lower Upper
105 100
120 48.7 39.6 59.4





#63

1,2,4-Trimethylbenzene

Concen: 0.191 ug/L

RT: 10.863 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV030189.D

Acq: 14 Mar 2023 12:09

Instrument :

MSVOA_V

ClientSampleId :

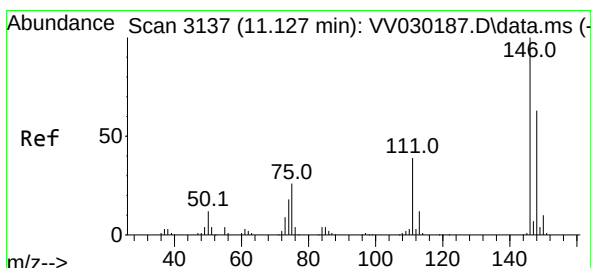
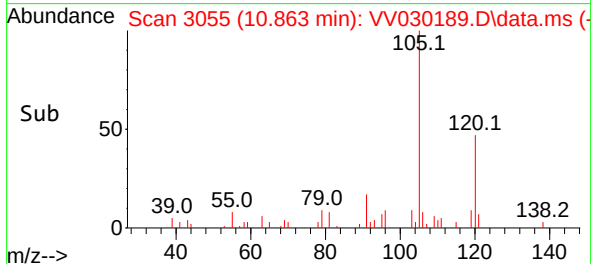
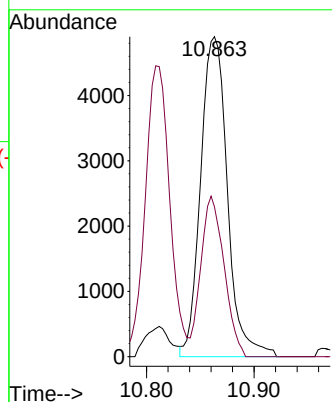
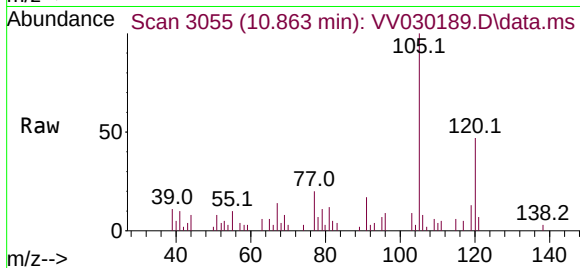
CB908DL

Tgt Ion:105 Resp: 8477

Ion Ratio Lower Upper

105 100

120 43.2 36.2 54.4



#64

1,3-Dichlorobenzene

Concen: 0.186 ug/L

RT: 11.130 min Scan# 3138

Delta R.T. 0.003 min

Lab File: VV030189.D

Acq: 14 Mar 2023 12:09

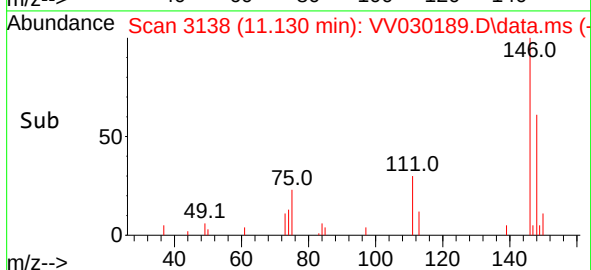
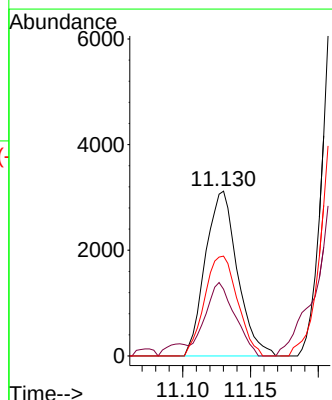
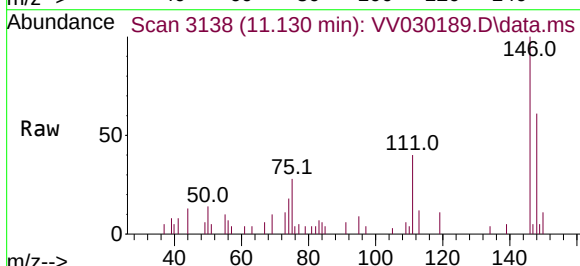
Tgt Ion:146 Resp: 5126

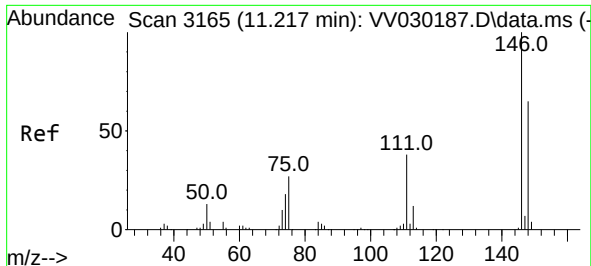
Ion Ratio Lower Upper

146 100

111 40.5 27.7 51.5

148 60.6 44.5 82.7





#65

1,4-Dichlorobenzene

Concen: 0.668 ug/L

RT: 11.220 min Scan# 3166

Delta R.T. 0.003 min

Lab File: VV030189.D

Acq: 14 Mar 2023 12:09

Instrument :

MSVOA_V

ClientSampleId :

CB908DL

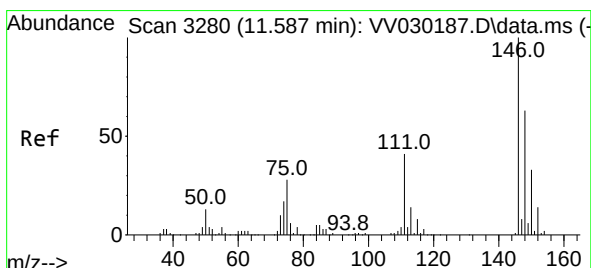
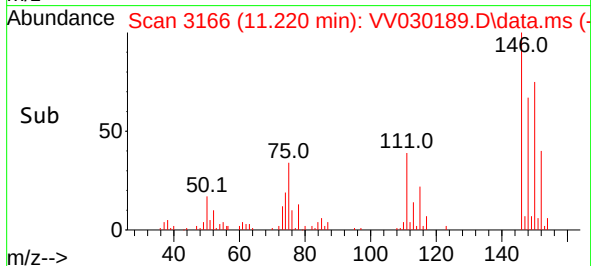
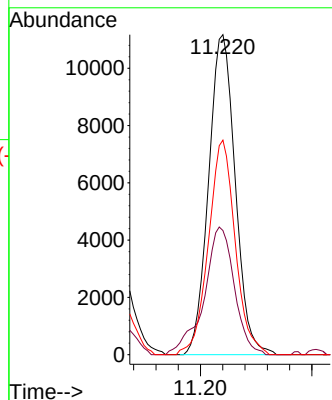
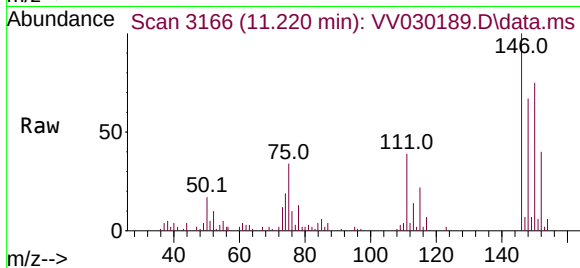
Tgt Ion:146 Resp: 18540

Ion Ratio Lower Upper

146 100

111 38.8 27.4 51.0

148 67.0 44.1 81.9



#67

1,2-Dichlorobenzene

Concen: 0.073 ug/L

RT: 11.590 min Scan# 3281

Delta R.T. 0.003 min

Lab File: VV030189.D

Acq: 14 Mar 2023 12:09

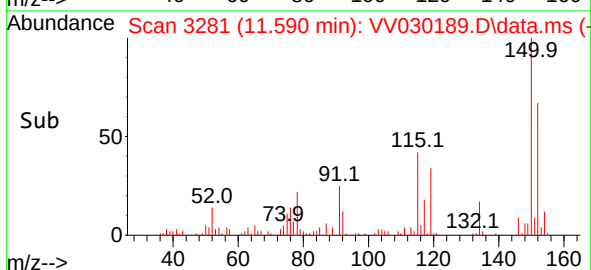
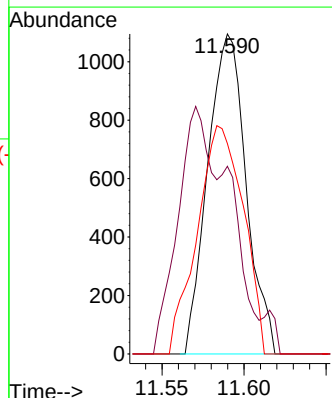
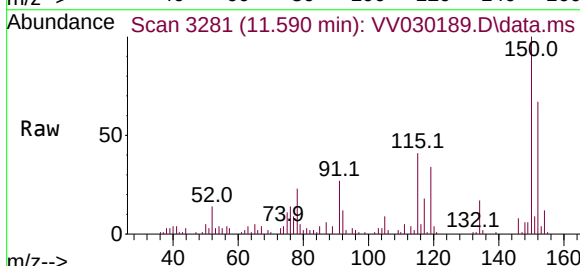
Tgt Ion:146 Resp: 1780

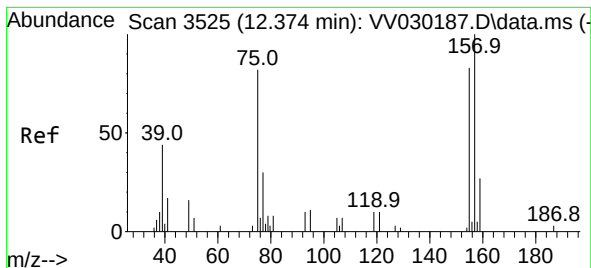
Ion Ratio Lower Upper

146 100

111 58.6 33.5 50.3#

148 65.8 51.3 76.9

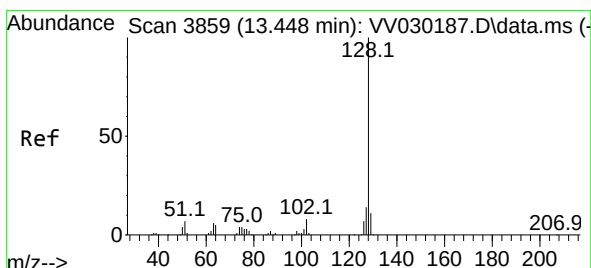
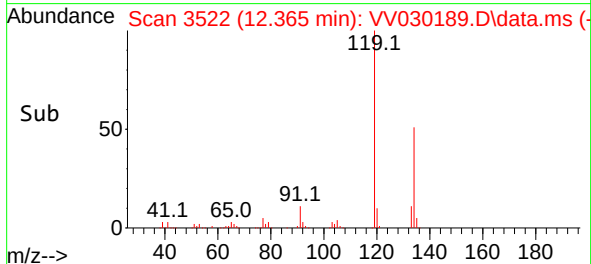
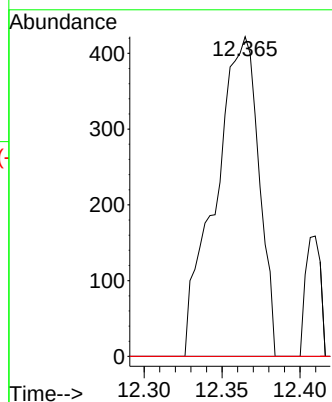
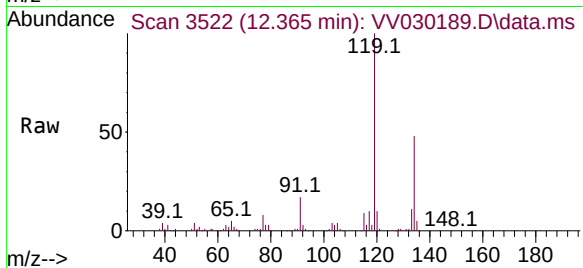




#68
1,2-Dibromo-3-chloropropane
Concen: 0.598 ug/L
RT: 12.365 min Scan# 311
Delta R.T. -0.010 min
Lab File: VV030189.D
Acq: 14 Mar 2023 12:09

Instrument :
MSVOA_V
ClientSampleId :
CB908DL

Tgt Ion: 75 Resp: 821
Ion Ratio Lower Upper
75 100
155 0.0 79.1 118.7#
157 0.0 95.5 143.3#



#71
Naphthalene
Concen: 0.077 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030189.D
Acq: 14 Mar 2023 12:09

Tgt Ion: 128 Resp: 1840
Ion Ratio Lower Upper
128 100
129 15.9 8.6 13.0#
127 20.6 10.4 15.6#

