

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037473.D
 Acq On : 16 Aug 2021 22:40
 Operator : SY/AP
 Sample : L1314-01DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100DL

Quant Time: Aug 17 08:23:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1328648	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4231627	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3744164	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2810084	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

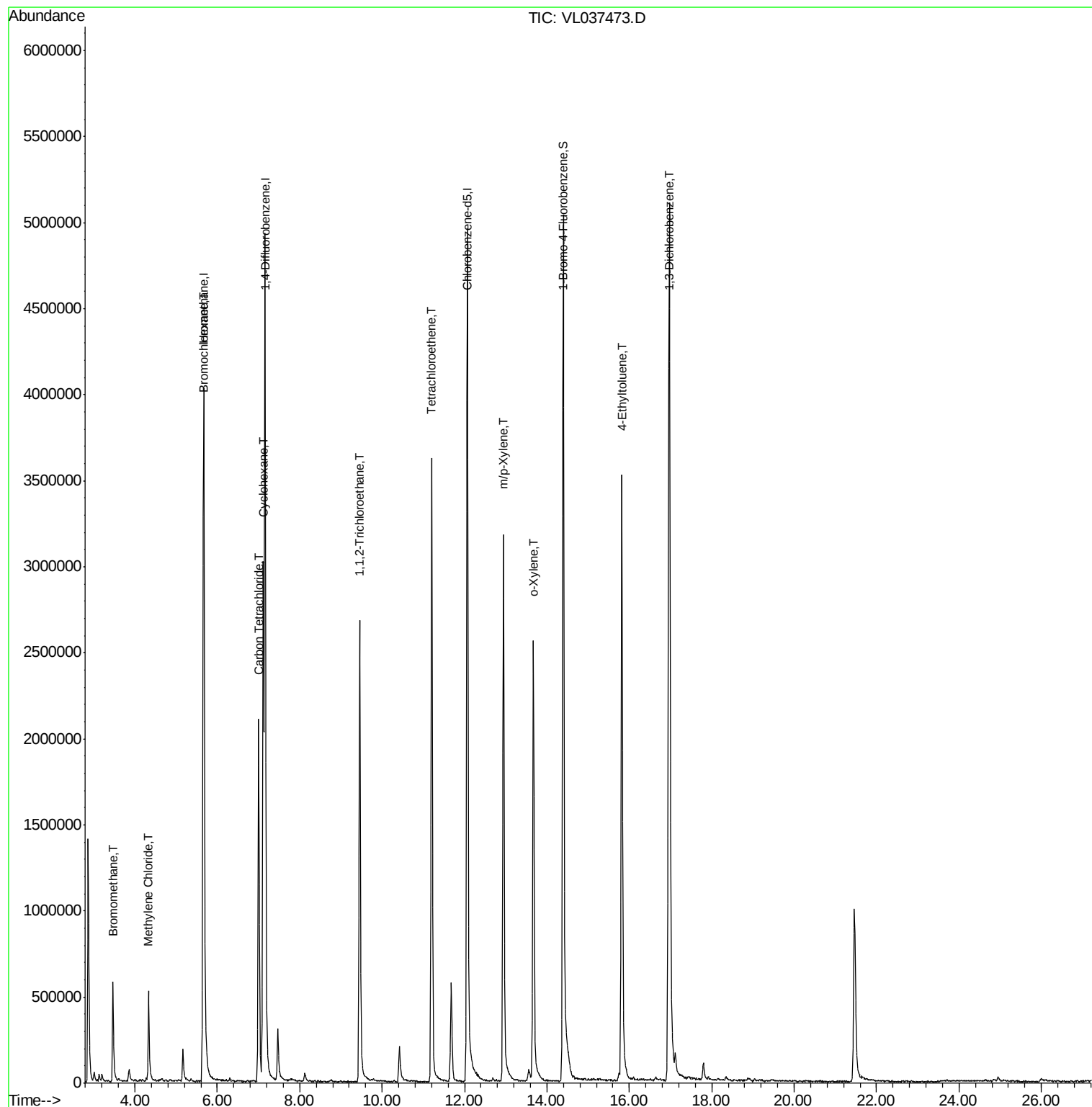
Target Compounds					Ovalue
6) Bromomethane	3.47	94	408815	8.012 ppbv	100
20) Methylene Chloride	4.33	84	211764	3.128 ppbv	92
26) Hexane	5.67	57	1365938	8.139 ppbv #	45
30) Cyclohexane	7.11	84	1128852	8.072 ppbv	97
35) Carbon Tetrachloride	7.00	117	1405872	5.622 ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	1070545	7.248 ppbv	98
52) Tetrachloroethene	11.21	164	1015257	6.965 ppbv	97
59) m/p-Xylene	12.95	91	2587277	5.744 ppbv	97
60) o-Xylene	13.67	91	2215379	5.269 ppbv	98
72) 4-Ethyltoluene	15.82	105	3319358	6.638 ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	1360671	4.570 ppbv	99

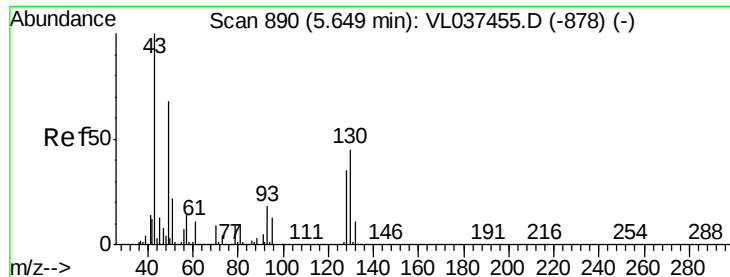
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 17 08:23:16 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037473.D

Acq: 16 Aug 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

E051-1100DL

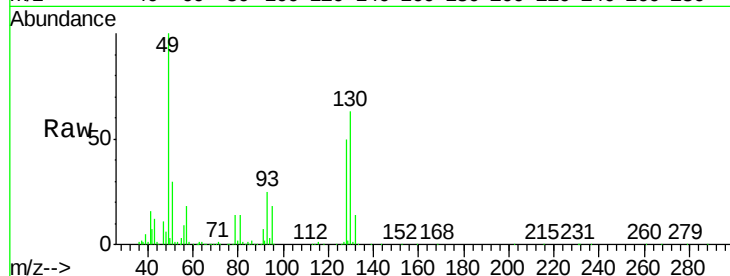
Tot Ion: 49 Resp: 1328648

Ion Ratio Lower Upper

49 100

128 58.5 27.5 82.4

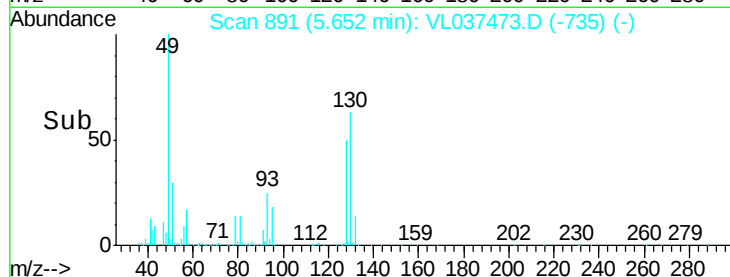
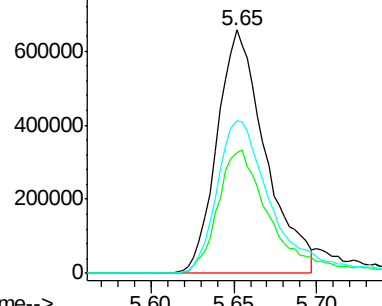
130 73.6 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#6

Bromomethane

Concen: 8.012 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037473.D

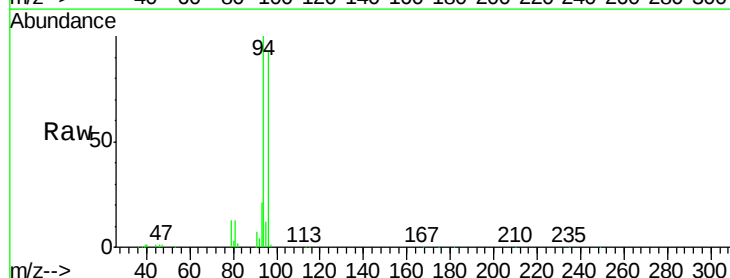
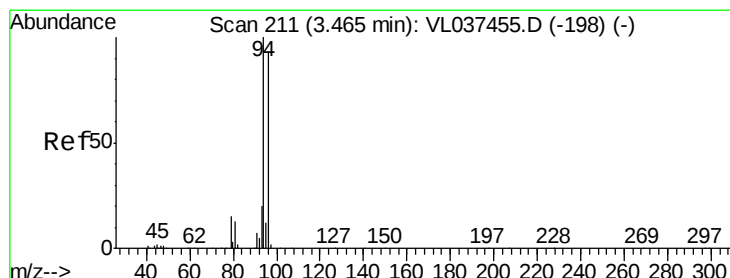
Acq: 16 Aug 2021 22:40

Tgt Ion: 94 Resp: 408815

Ion Ratio Lower Upper

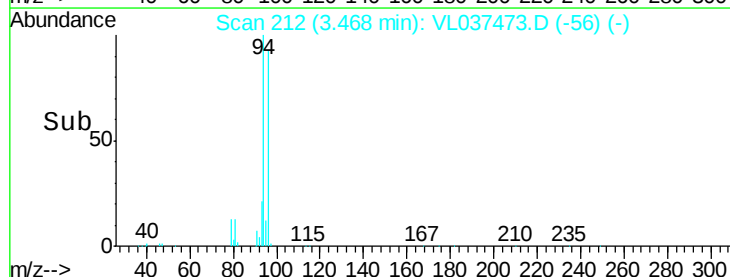
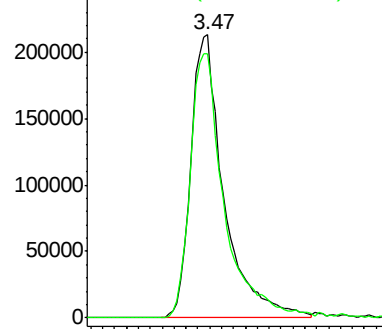
94 100

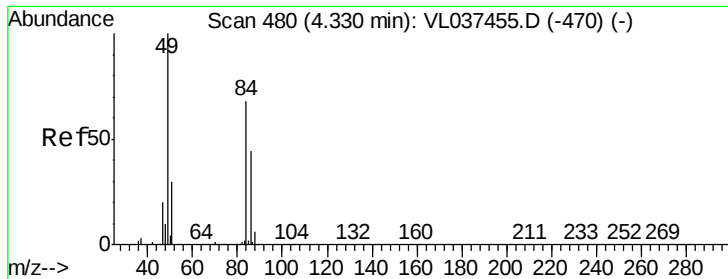
96 93.3 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

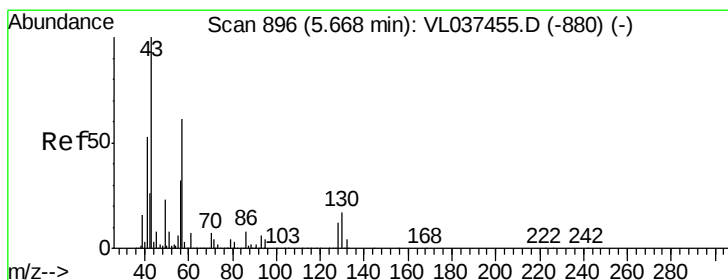
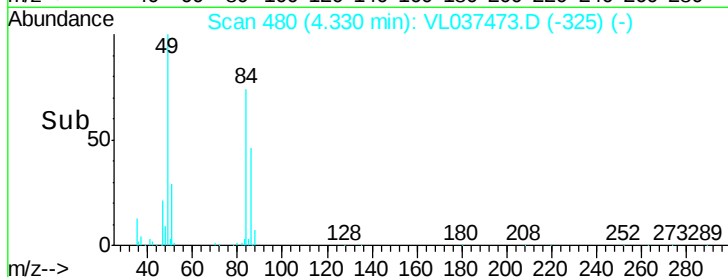
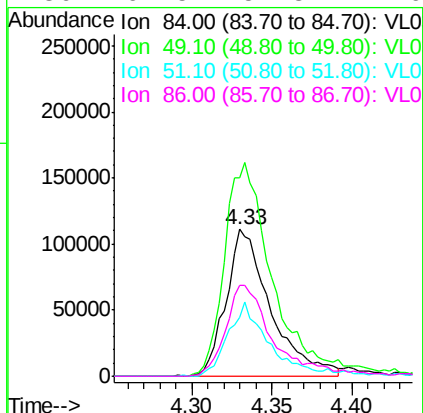
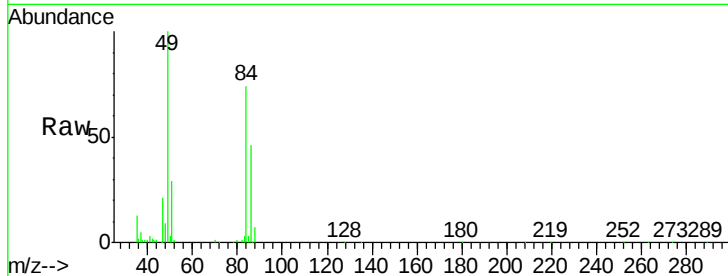




#20
Methvlene Chloride
Concen: 3.128 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL037473.D
Acq: 16 Aug 2021 22:40

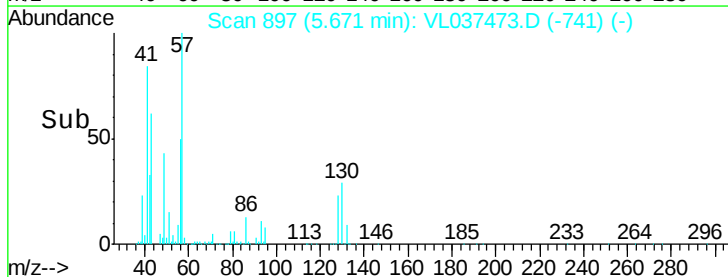
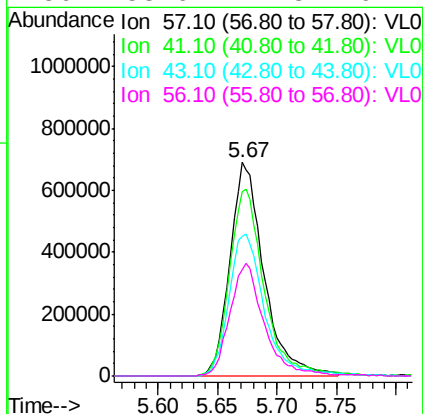
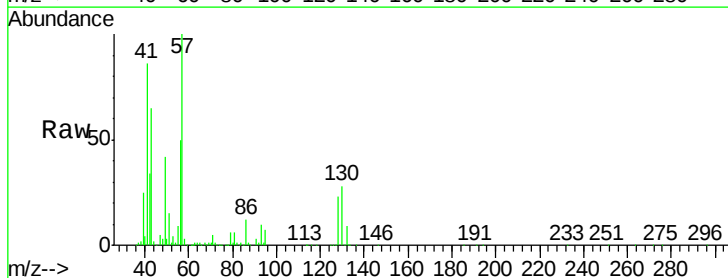
Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

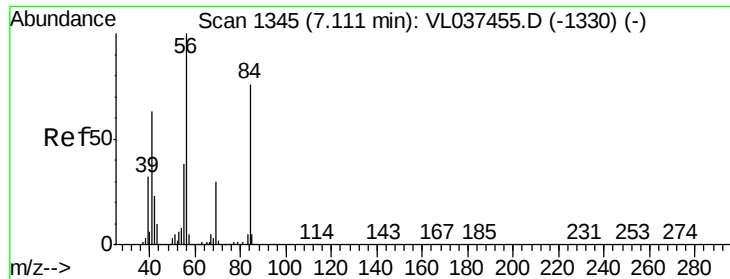
Tot Ion:	84	Resp:	211764
Ion	Ratio	Lower	Upper
84	100		
49	135.5	118.2	177.2
51	39.5	36.6	55.0
86	61.5	51.8	77.6



#26
Hexane
Concen: 8.139 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037473.D
Acq: 16 Aug 2021 22:40

Tgt Ion:	57	Resp:	1365938
Ion	Ratio	Lower	Upper
57	100		
41	90.3	72.3	108.5
43	70.1	172.3	258.5#
56	53.6	42.8	64.2



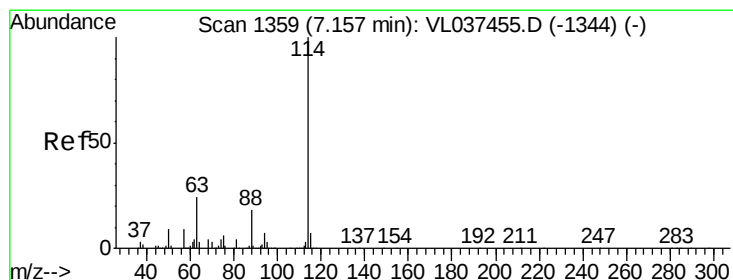
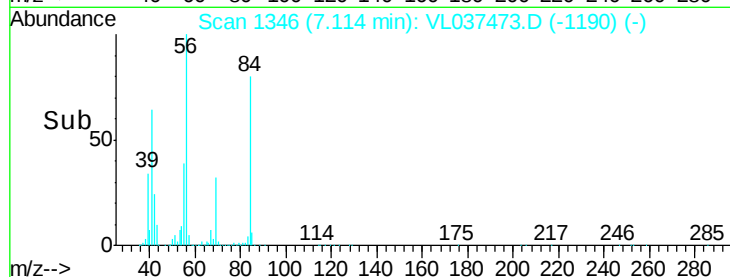
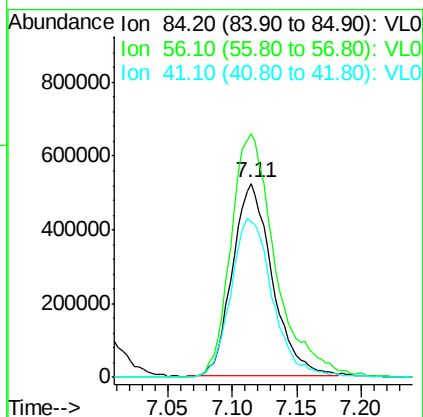
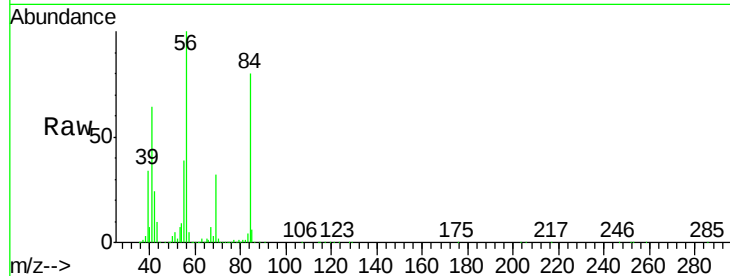


#30
Cvclohexane
Concen: 8.072 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037473.D
Acq: 16 Aug 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tot Ion: 84 Resp: 1128852

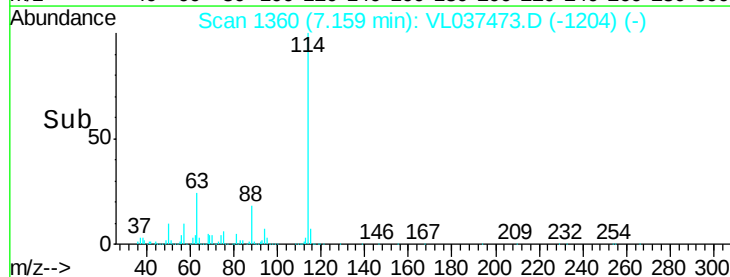
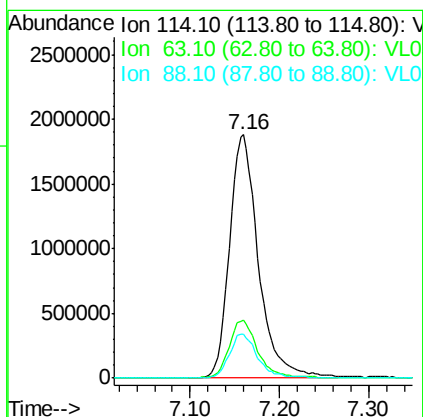
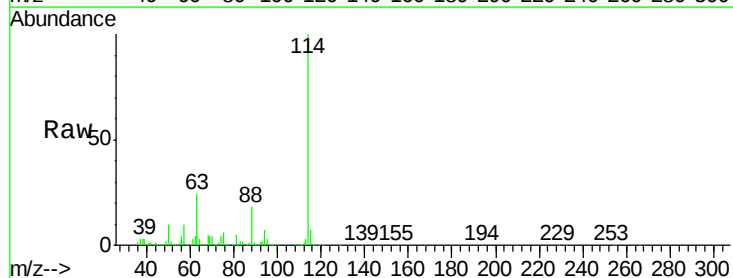
Ion	Ratio	Lower	Upper
84	100		
56	141.4	110.6	165.8
41	86.5	67.0	100.6

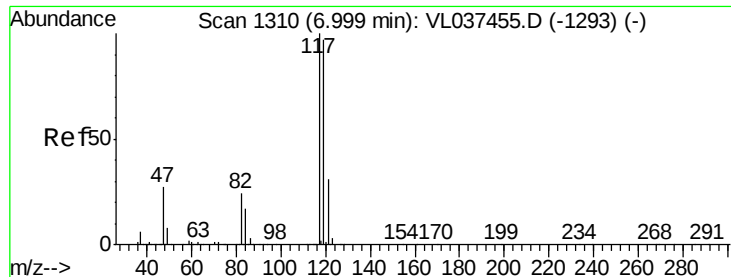


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037473.D
Acq: 16 Aug 2021 22:40

Tgt Ion: 114 Resp: 4231627

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	17.9	14.2	21.4





#35

Carbon Tetrachloride

Concen: 5.622 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037473.D

Acq: 16 Aug 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

E051-1100DL

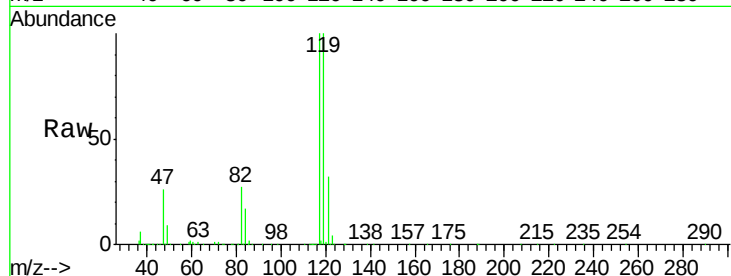
Tot Ion:117 Resp: 1405872

Ion Ratio Lower Upper

117 100

119 100.1 77.3 115.9

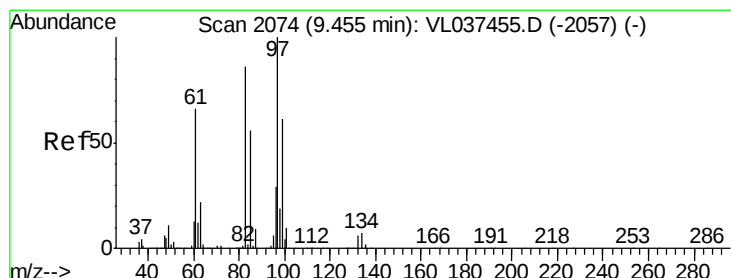
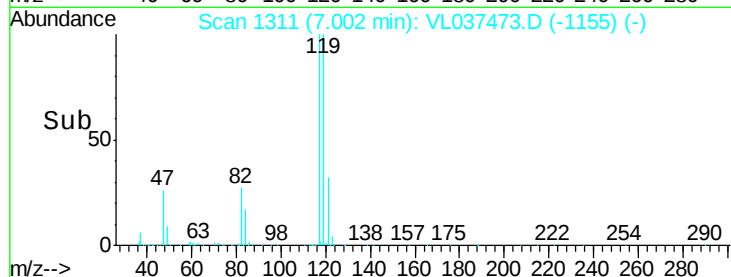
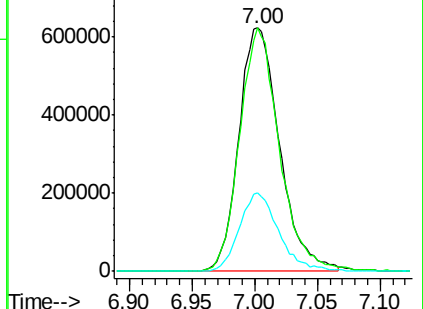
121 32.2 25.2 37.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#47

1,1,2-Trichloroethane

Concen: 7.248 ppbv

RT: 9.45 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VL037473.D

Acq: 16 Aug 2021 22:40

Tgt Ion: 97 Resp: 1070545

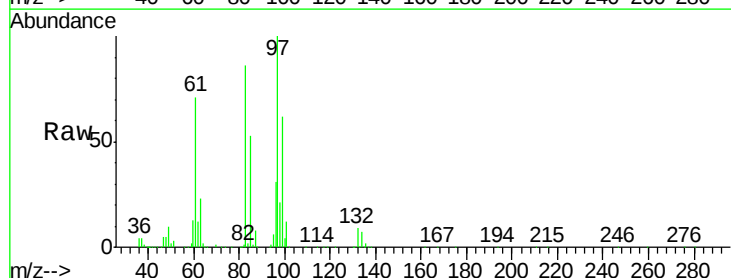
Ion Ratio Lower Upper

97 100

83 85.5 68.7 103.1

85 53.0 44.7 67.1

99 61.7 48.6 72.8

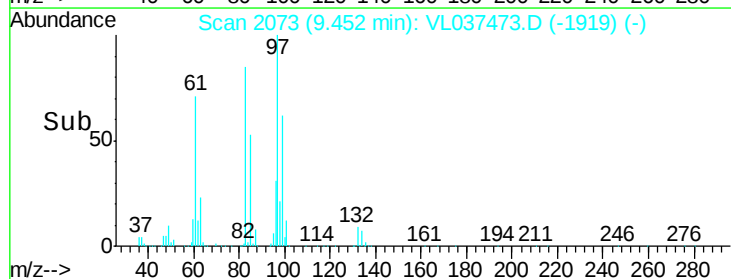
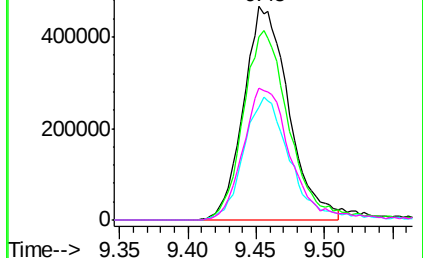


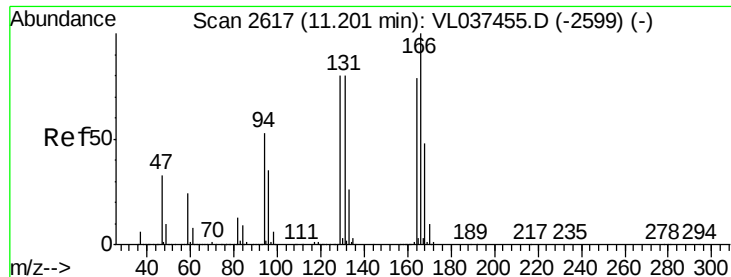
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0





#52

Tetrachloroethene

Concen: 6.965 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. 0.01 min

Lab File: VL037473.D

Acq: 16 Aug 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

E051-1100DL

Tot Ion:164 Resp: 1015257

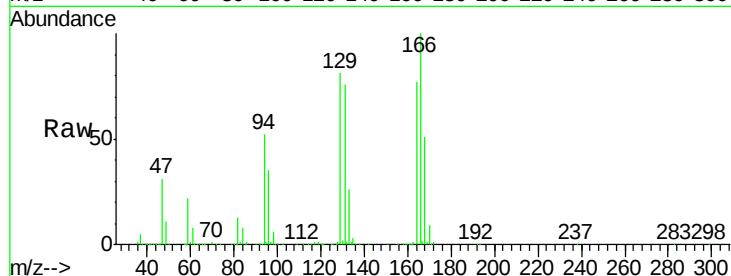
Ion Ratio Lower Upper

164 100

166 130.3 100.7 151.1

129 106.1 80.9 121.3

131 99.3 80.2 120.4

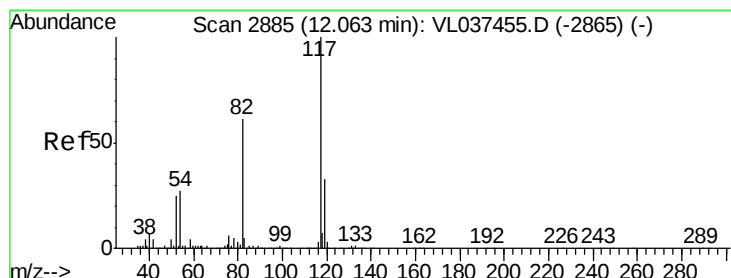
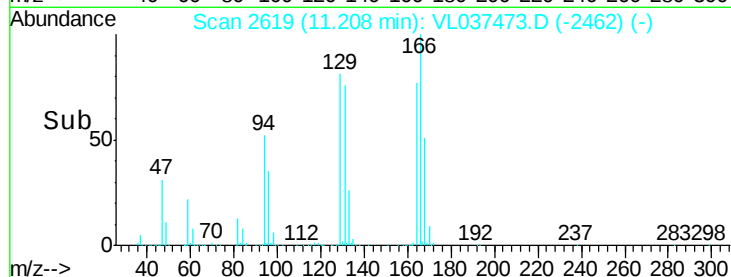
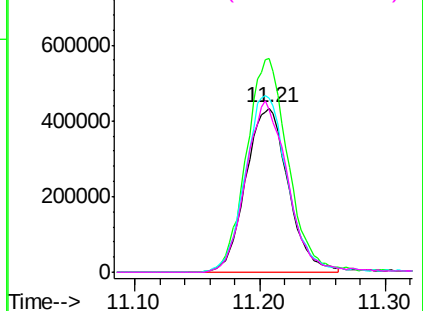


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037473.D

Acq: 16 Aug 2021 22:40

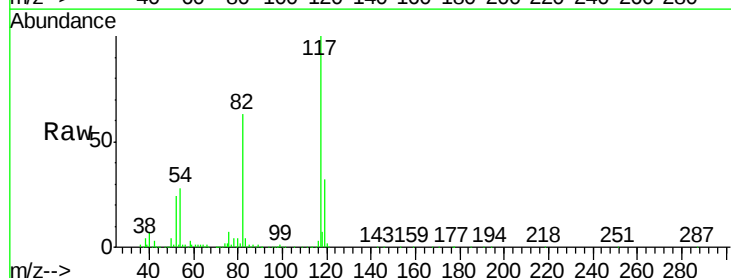
Tgt Ion:117 Resp: 3744164

Ion Ratio Lower Upper

117 100

82 65.0 52.9 79.3

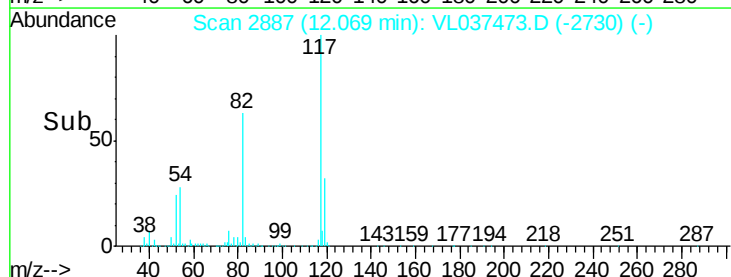
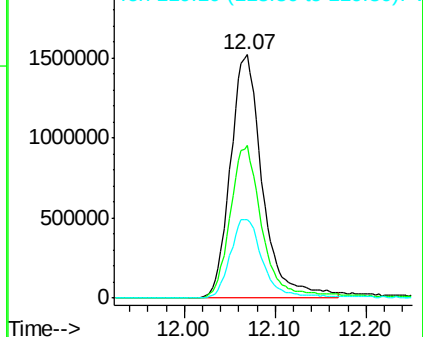
119 33.9 24.8 37.2

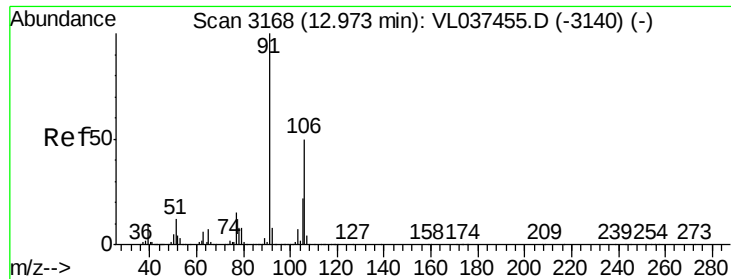


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#59

m/p-Xylene

Concen: 5.744 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. -0.03 min

Lab File: VL037473.D

Acq: 16 Aug 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

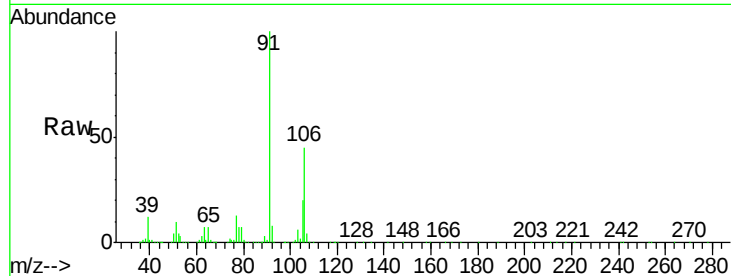
E051-1100DL

Tot Ion: 91 Resp: 2587277

Ion Ratio Lower Upper

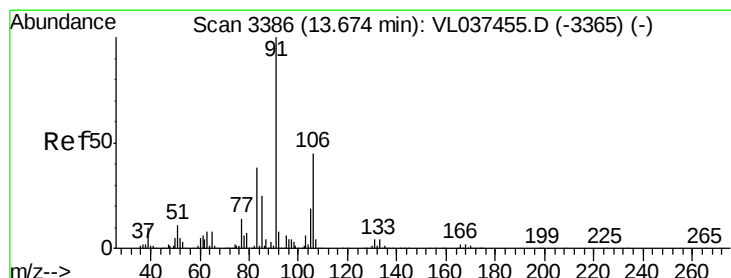
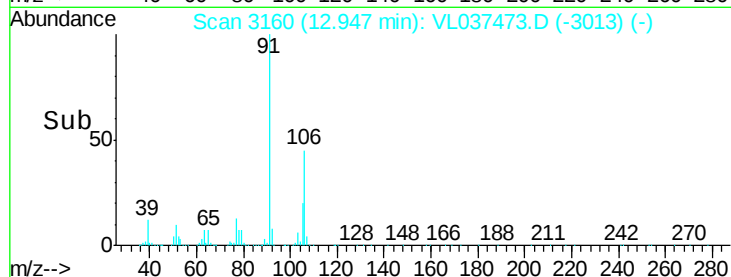
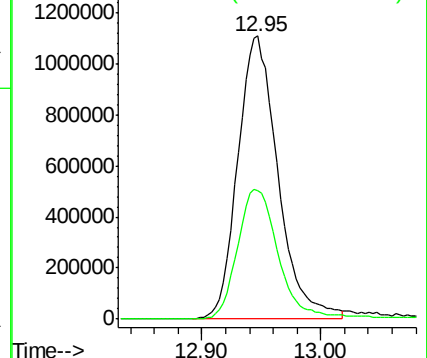
91 100

106 48.2 36.9 55.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 5.269 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VL037473.D

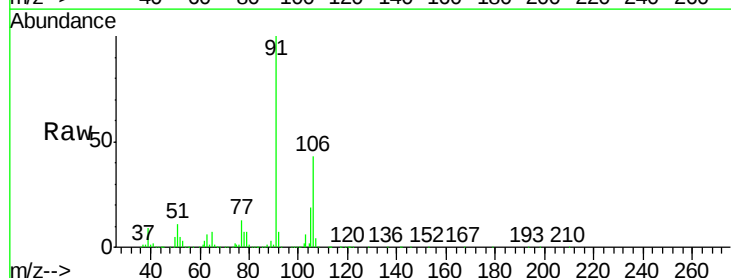
Acq: 16 Aug 2021 22:40

Tgt Ion: 91 Resp: 2215379

Ion Ratio Lower Upper

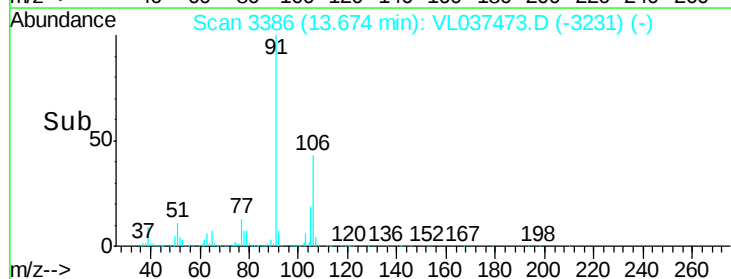
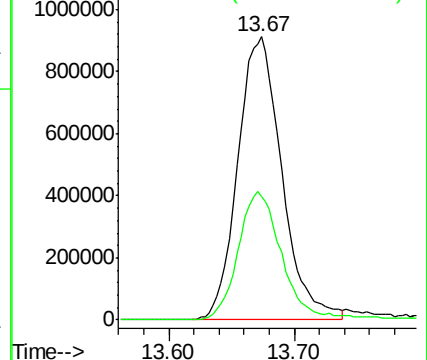
91 100

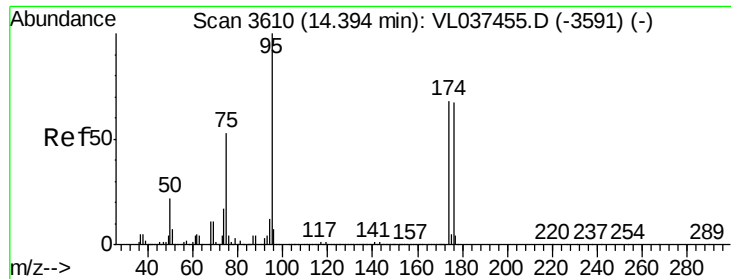
106 45.9 23.7 71.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

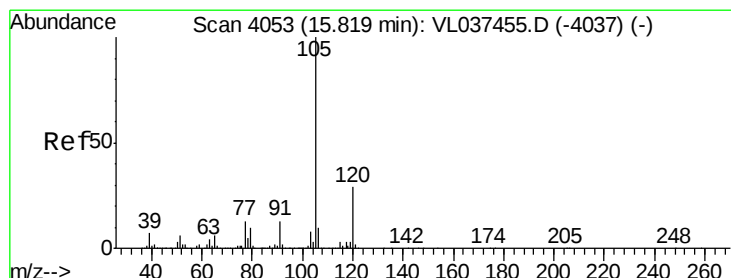
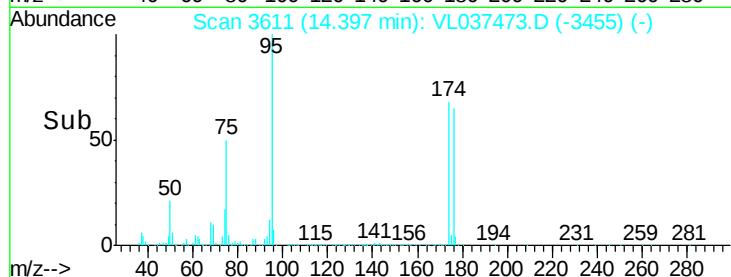
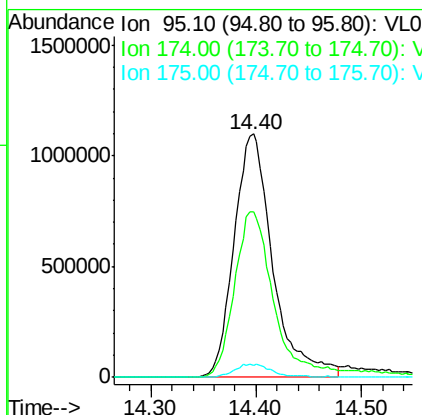
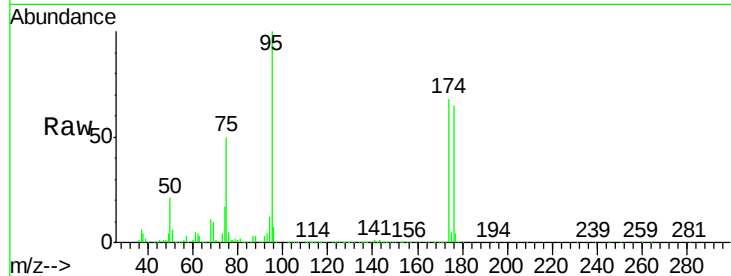




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.564 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037473.D
 Acq: 16 Aug 2021 22:40

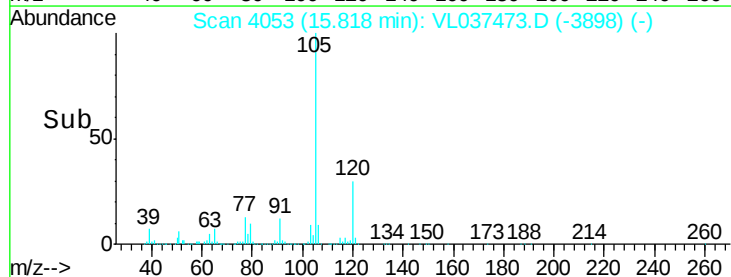
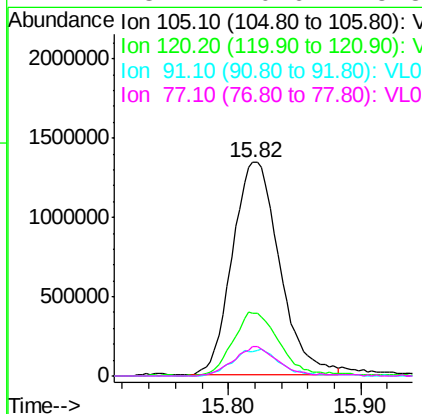
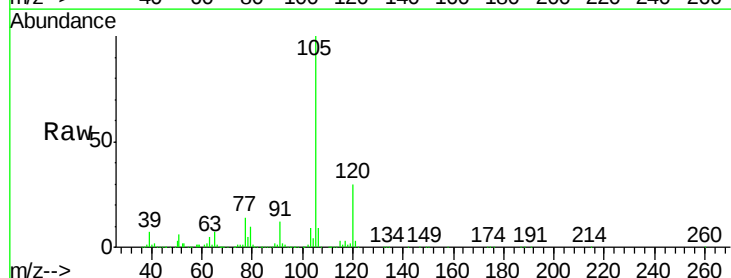
Instrument :
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 E051-1100DL

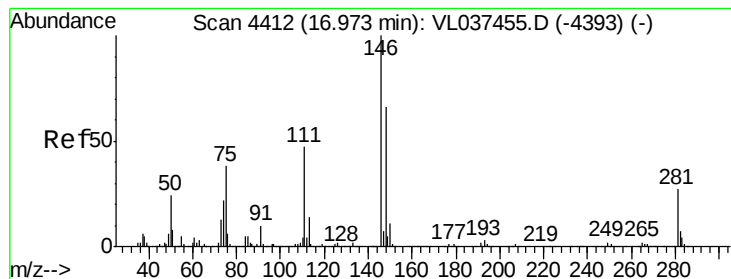
Tot Ion: 95 Resp: 2810084
 Ion Ratio Lower Upper
 95 100
 174 69.5 59.6 89.4
 175 5.4 4.6 7.0



#72
 4-Ethyltoluene
 Concen: 6.638 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.00 min
 Lab File: VL037473.D
 Acq: 16 Aug 2021 22:40

Tgt Ion: 105 Resp: 3319358
 Ion Ratio Lower Upper
 105 100
 120 30.3 24.7 37.1
 91 12.7 9.8 14.8
 77 13.7 10.6 15.8





#75

1,3-Dichlorobenzene

Concen: 4.570 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037473.D

Acq: 16 Aug 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

E051-1100DL

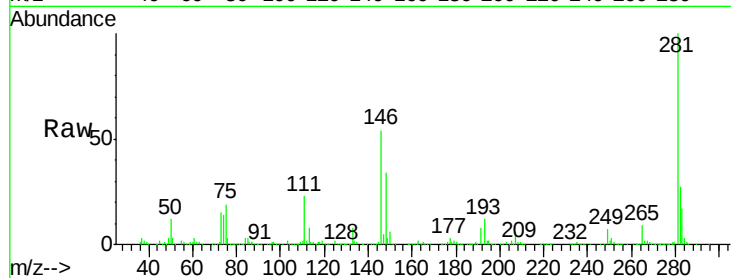
Tot Ion:146 Resp: 1360671

Ion Ratio Lower Upper

146 100

111 48.7 23.4 70.0

148 66.3 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

