

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037470.D
 Acq On : 16 Aug 2021 20:42
 Operator : SY/AP
 Sample : L3510-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

Quant Time: Aug 17 10:39:40 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	1284563	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3898063	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3965354	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3636643	12.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	129.10%

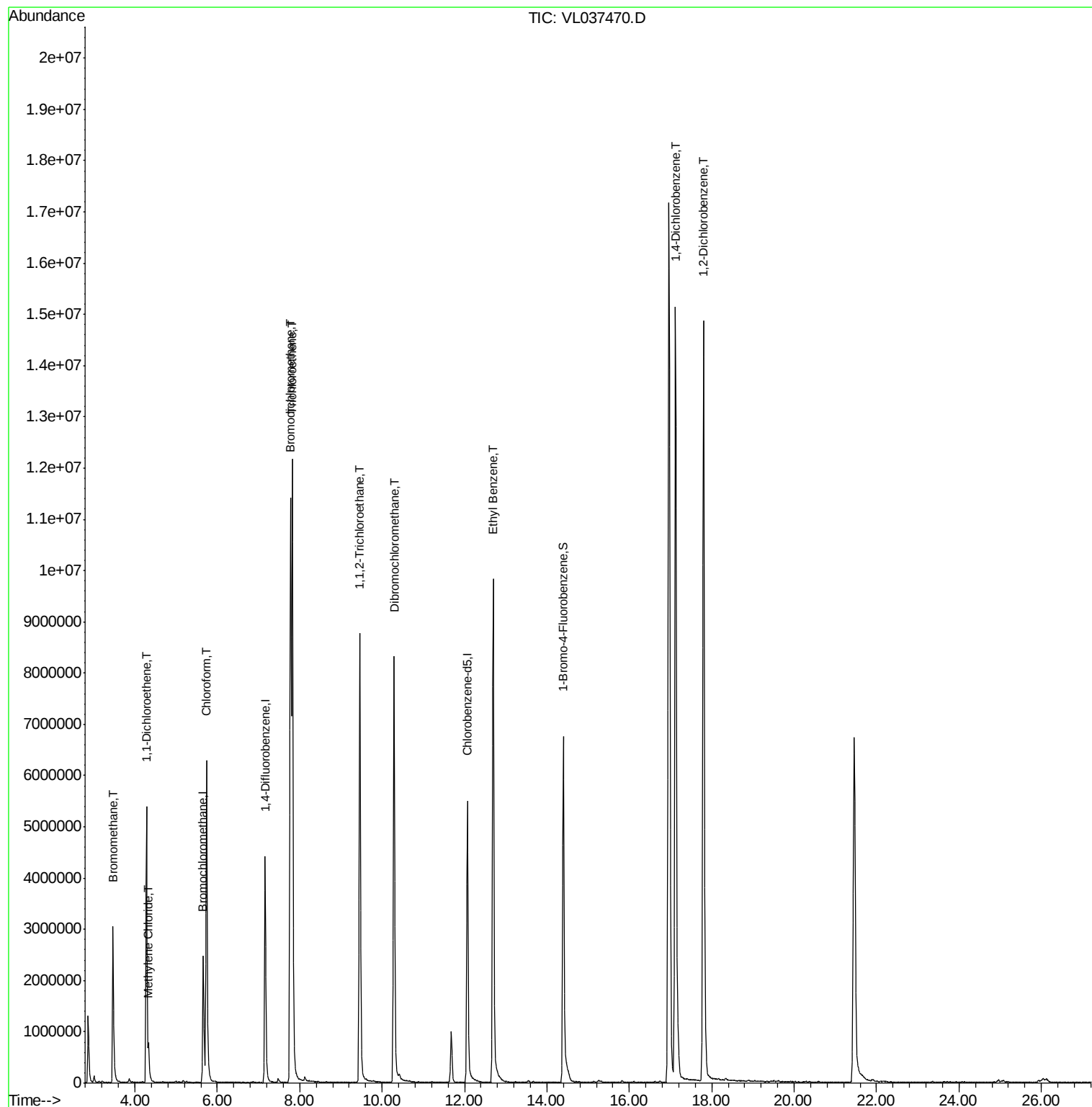
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.47	94	2117548	42.926	ppbv	98
18) 1,1-Dichloroethene	4.28	96	2013515	31.222	ppbv	96
20) Methylene Chloride	4.33	84	200714	3.066	ppbv	95
29) Chloroform	5.74	83	5237802	22.777	ppbv	98
38) Trichloroethene	7.82	130	4399243	32.721	ppbv	96
42) Bromodichloromethane	7.78	83	9001076	37.924	ppbv	93
47) 1,1,2-Trichloroethane	9.46	97	3611953	26.547	ppbv	96
48) Dibromochloromethane	10.29	129	5882112	30.043	ppbv	99
58) Ethyl Benzene	12.70	91	10082914	18.323	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	9755064	30.710	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	9376753	30.198	ppbv	99

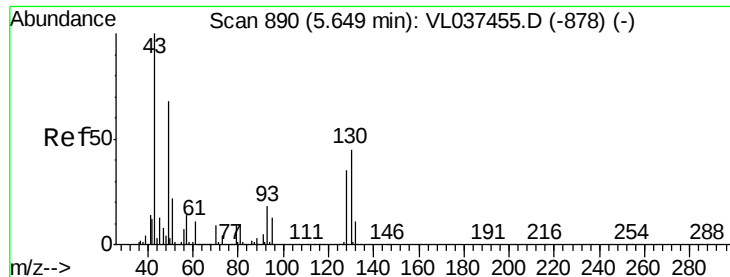
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081621\
Data File : VL037470.D
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Quant Time: Aug 17 10:39:40 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# 892

Delta R.T. 0.01 min

Lab File: VL037470.D

Acq: 16 Aug 2021 20:42

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

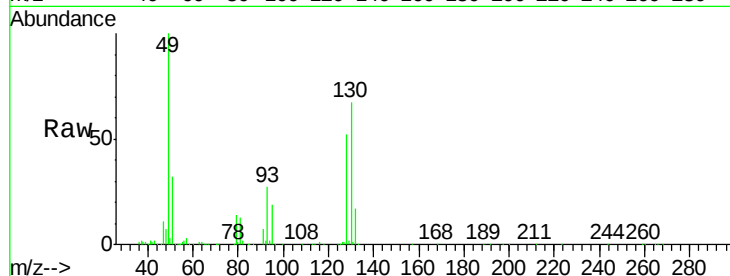
Tot Ion: 49 Resp: 1284563

Ion Ratio Lower Upper

49 100

128 55.7 27.5 82.4

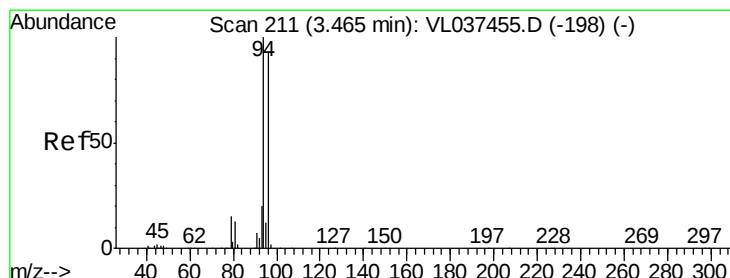
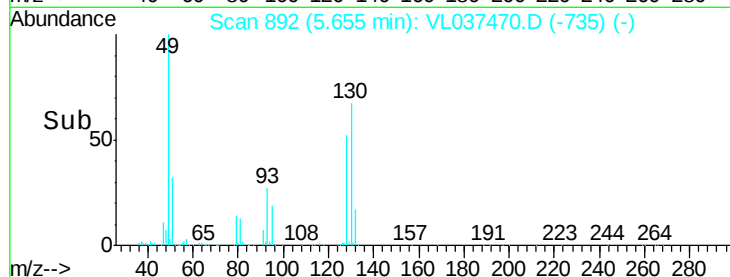
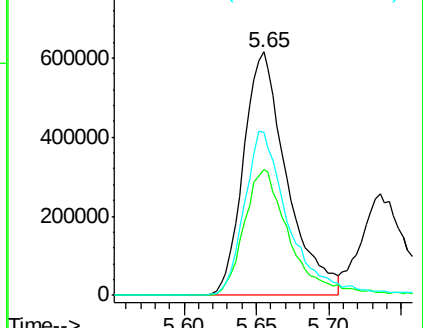
130 69.9 34.0 101.8



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: 42.926 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037470.D

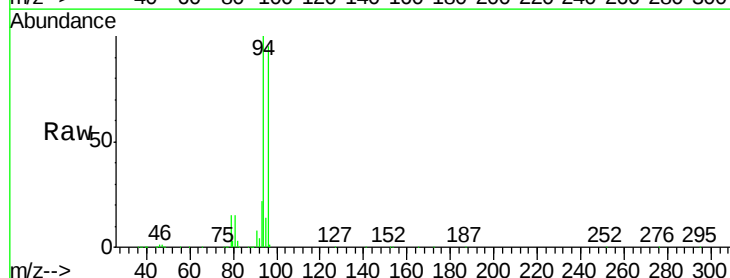
Acq: 16 Aug 2021 20:42

Tgt Ion: 94 Resp: 2117548

Ion Ratio Lower Upper

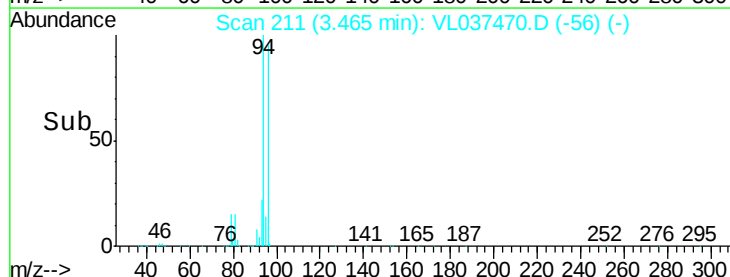
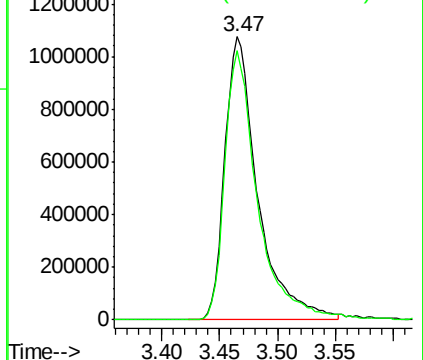
94 100

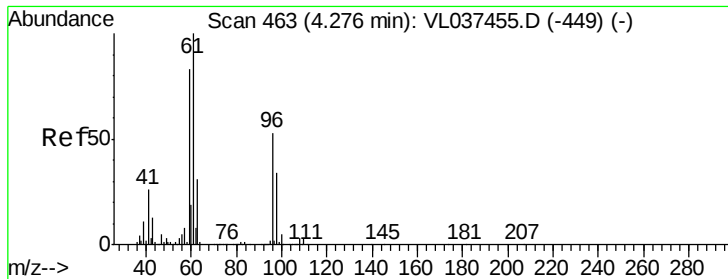
96 95.3 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#18

1,1-Dichloroethene

Concen: 31.222 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.00 min

Lab File: VL037470.D

Acq: 16 Aug 2021 20:42

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

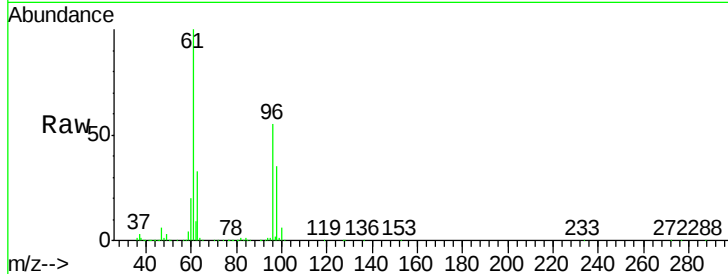
Tot Ion: 96 Resp: 2013515

Ion Ratio Lower Upper

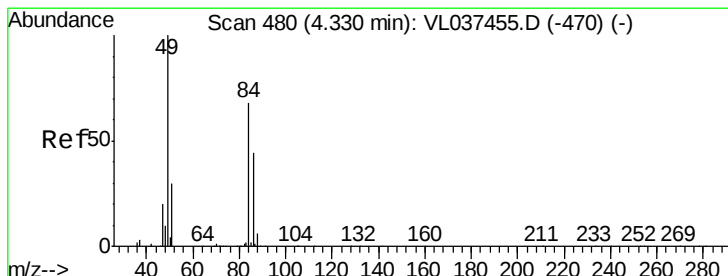
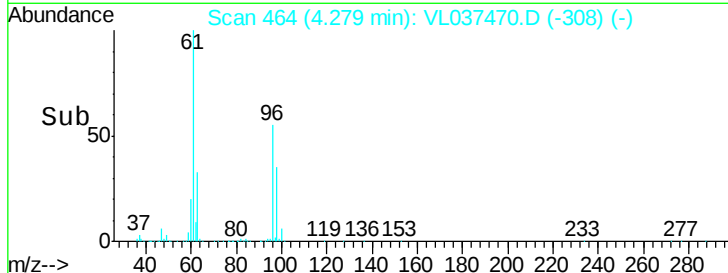
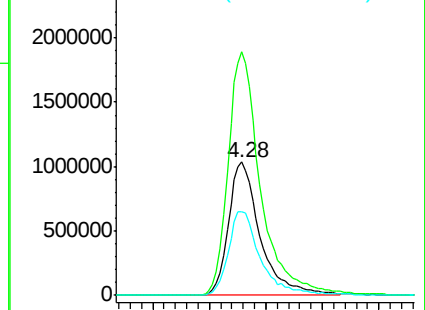
96 100

61 182.7 151.1 226.7

98 63.1 51.8 77.8



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#20

Methylene Chloride

Concen: 3.066 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037470.D

Acq: 16 Aug 2021 20:42

Tgt Ion: 84 Resp: 200714

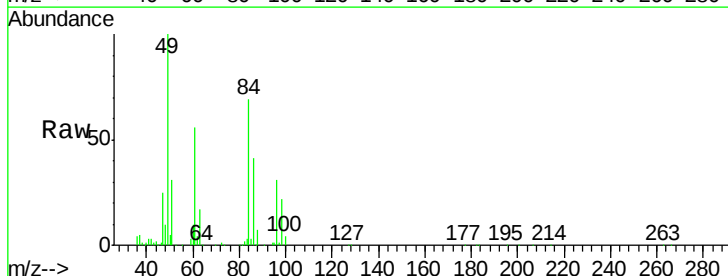
Ion Ratio Lower Upper

84 100

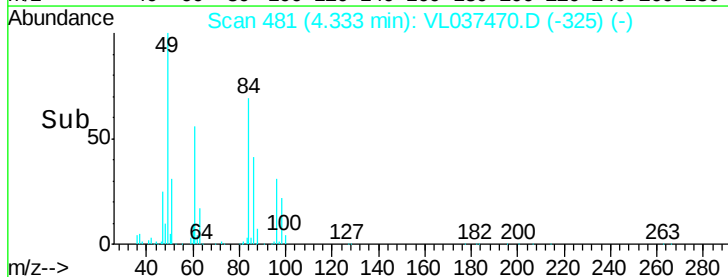
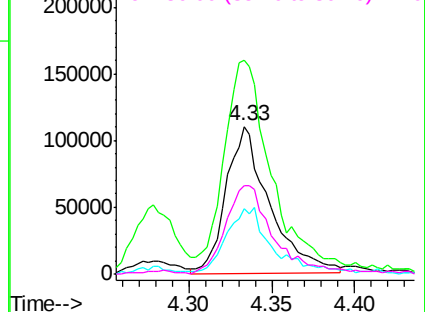
49 140.7 118.2 177.2

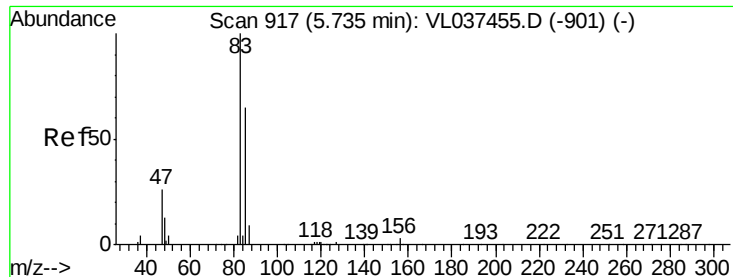
51 44.2 36.6 55.0

86 61.3 51.8 77.6



Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0





#29

Chloroform

Concen: 22.777 ppbv

RT: 5.74 min Scan# 918

Delta R.T. 0.00 min

Lab File: VL037470.D

Acq: 16 Aug 2021 20:42

Instrument :

MSVOA_L

ClientSampleId :

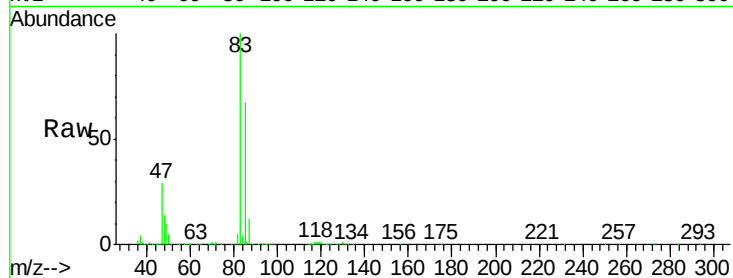
E053-1100

Tot Ion: 83 Resp: 5237802

Ion Ratio Lower Upper

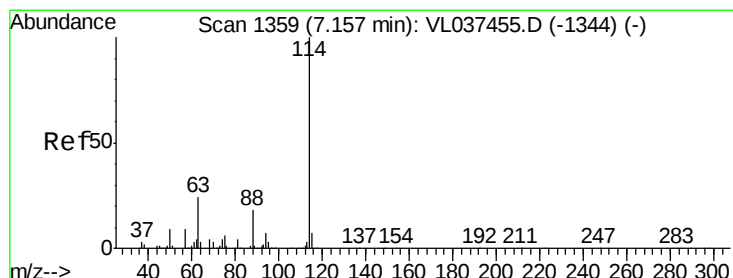
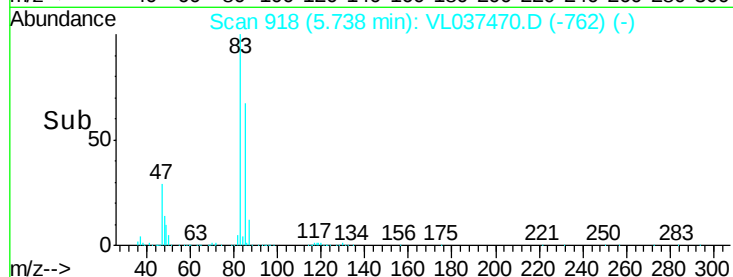
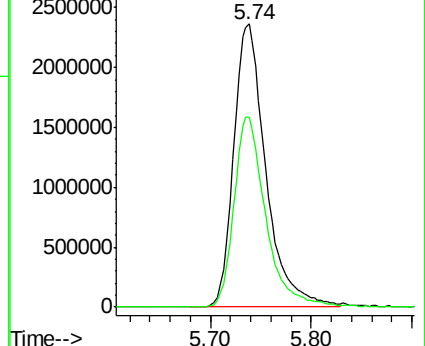
83 100

85 67.0 52.3 78.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VL037470.D

Acq: 16 Aug 2021 20:42

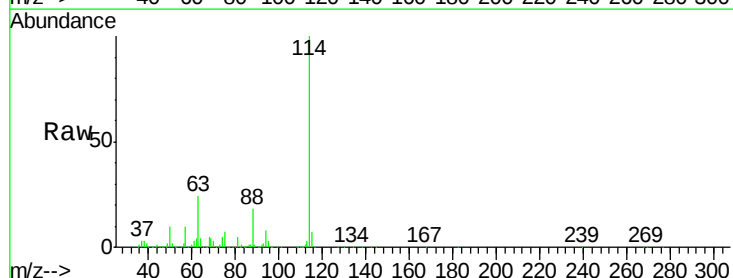
Tgt Ion: 114 Resp: 3898063

Ion Ratio Lower Upper

114 100

63 24.0 19.3 28.9

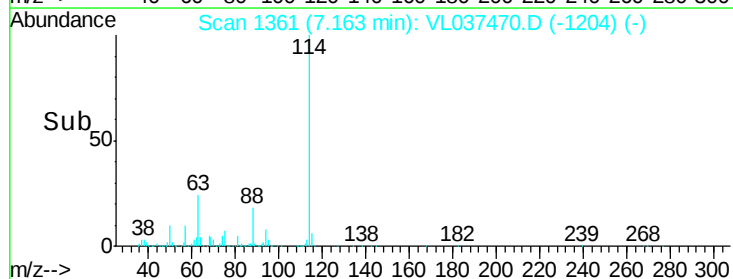
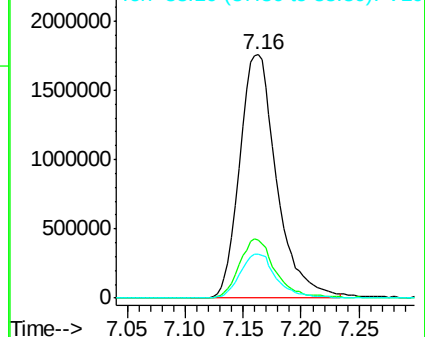
88 18.0 14.2 21.4

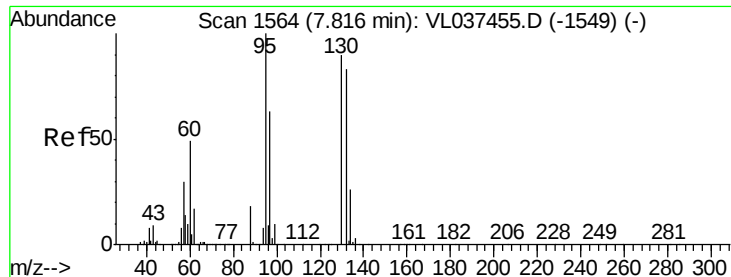


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#38

Trichloroethene

Concen: 32.721 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VL037470.D

Acq: 16 Aug 2021 20:42

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

Tot Ion:130 Resp: 4399243

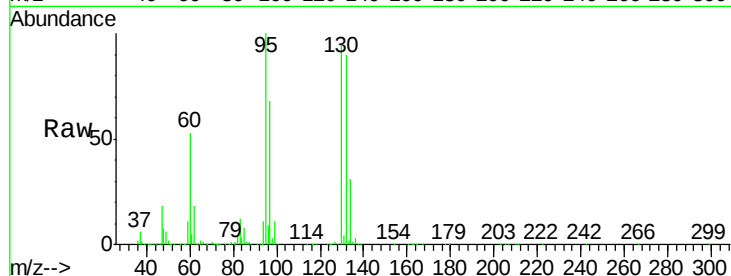
Ion Ratio Lower Upper

130 100

95 106.8 89.2 133.8

132 96.1 74.0 111.0

97 72.4 56.6 84.8

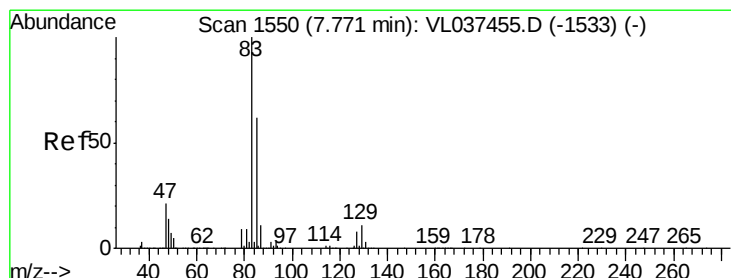
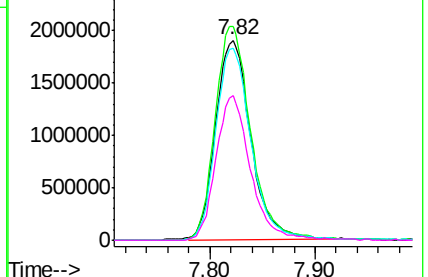
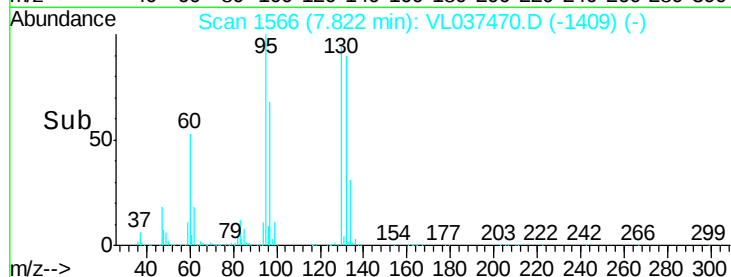


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#42

Bromodichloromethane

Concen: 37.924 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL037470.D

Acq: 16 Aug 2021 20:42

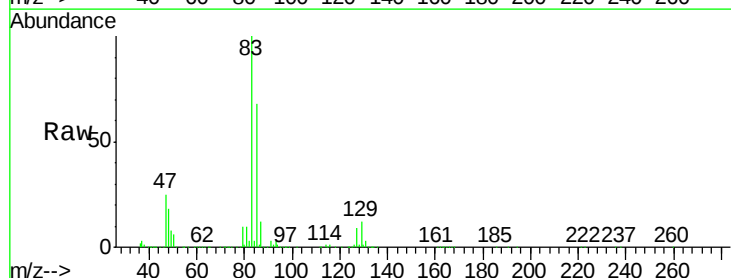
Tgt Ion: 83 Resp: 9001076

Ion Ratio Lower Upper

83 100

85 67.8 49.5 74.3

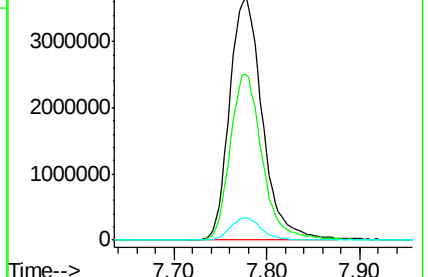
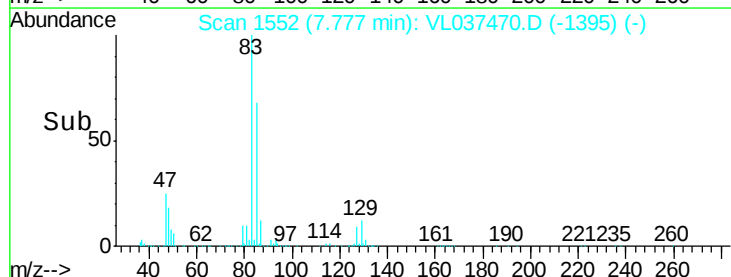
127 9.2 6.3 9.5

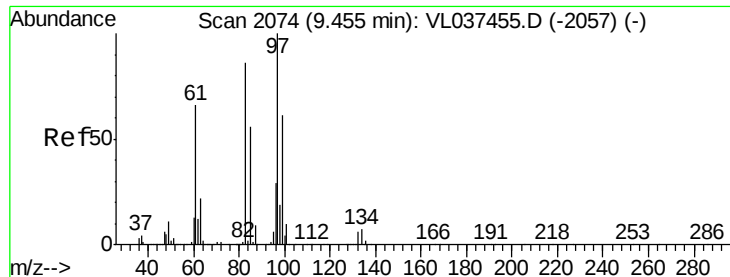


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



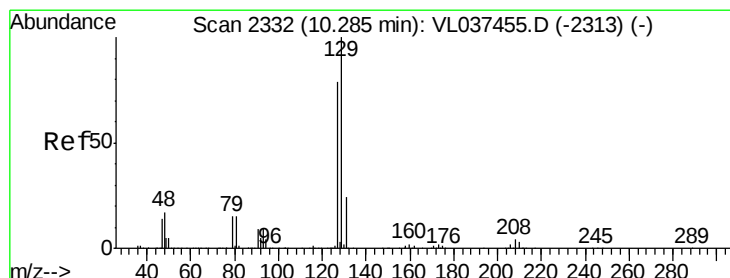
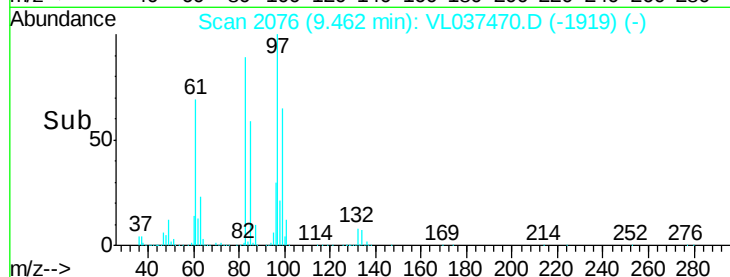
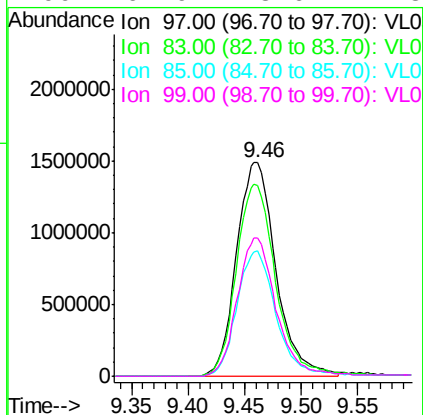
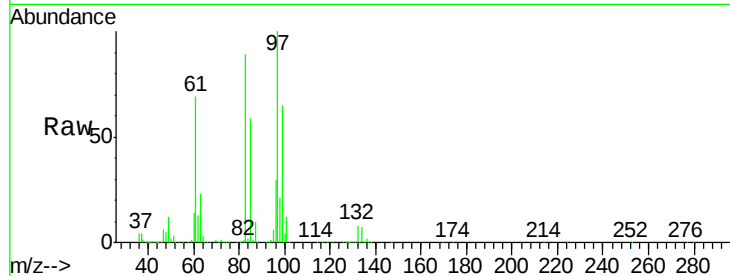


#47
 1,1,2-Trichloroethane
 Concen: 26.547 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. 0.01 min
 Lab File: VL037470.D
 Acq: 16 Aug 2021 20:42

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

Tot Ion: 97 Resp: 3611953

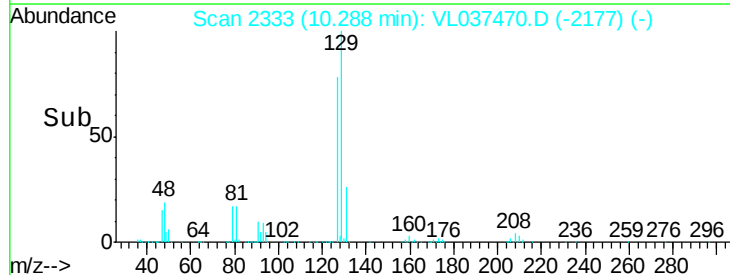
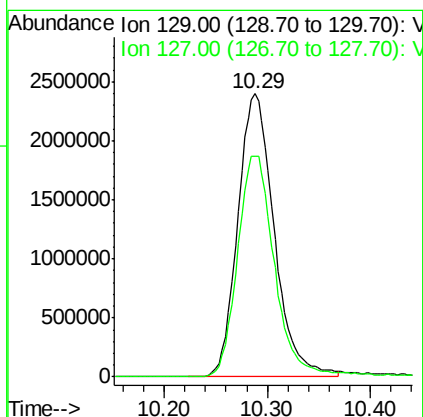
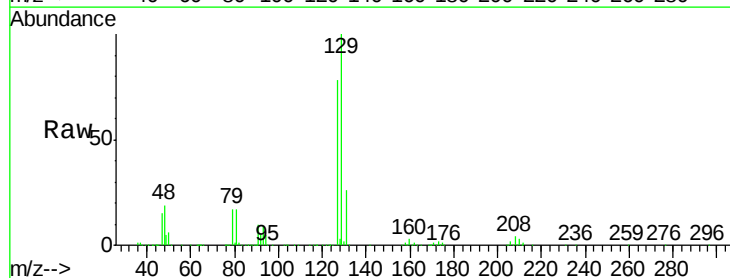
Ion	Ratio	Lower	Upper
97	100		
83	89.1	68.7	103.1
85	58.9	44.7	67.1
99	64.9	48.6	72.8

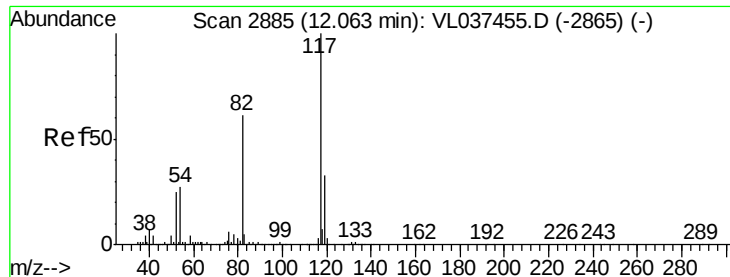


#48
 Dibromochloromethane
 Concen: 30.043 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037470.D
 Acq: 16 Aug 2021 20:42

Tgt Ion: 129 Resp: 5882112

Ion	Ratio	Lower	Upper
129	100		
127	81.1	40.0	120.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037470.D

Acq: 16 Aug 2021 20:42

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

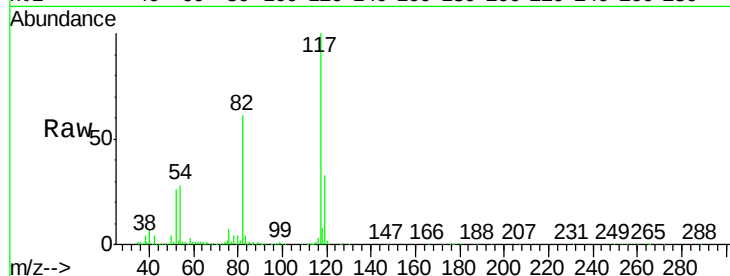
Tot Ion:117 Resp: 3965354

Ion Ratio Lower Upper

117 100

82 65.5 52.9 79.3

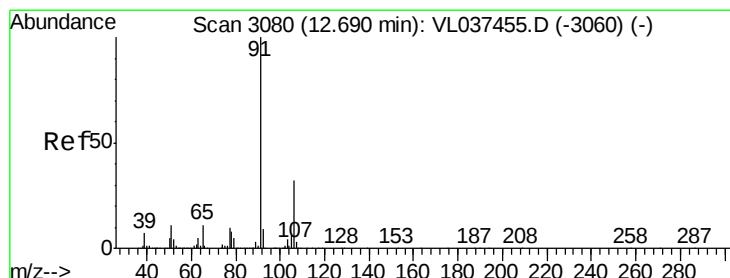
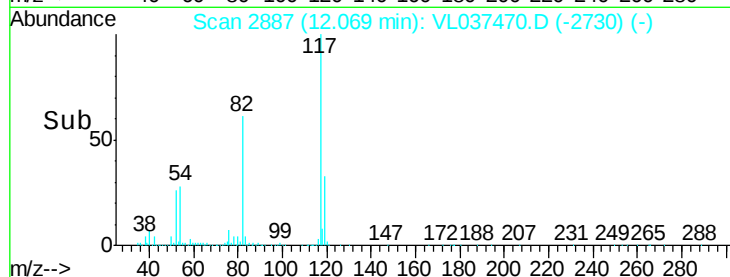
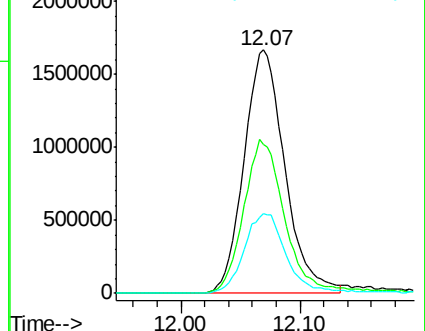
119 34.7 24.8 37.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 18.323 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. 0.01 min

Lab File: VL037470.D

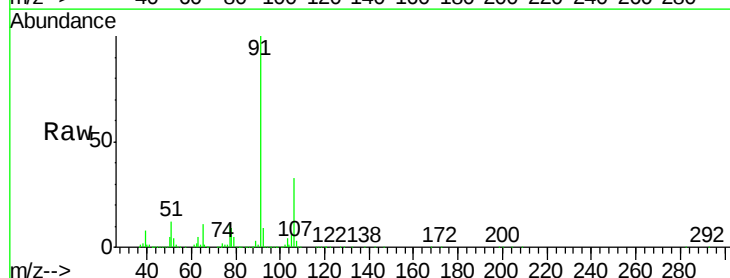
Acq: 16 Aug 2021 20:42

Tgt Ion: 91 Resp:10082914

Ion Ratio Lower Upper

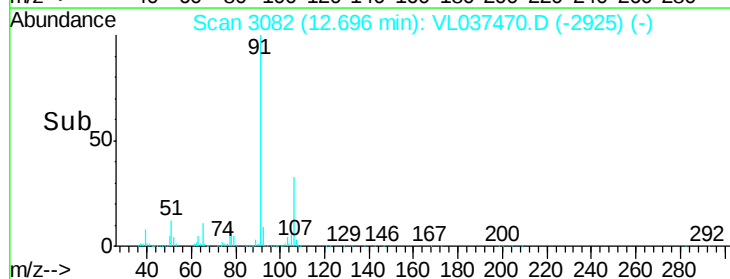
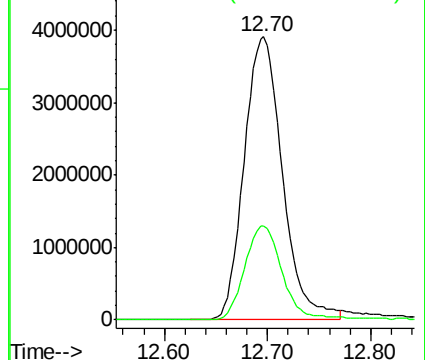
91 100

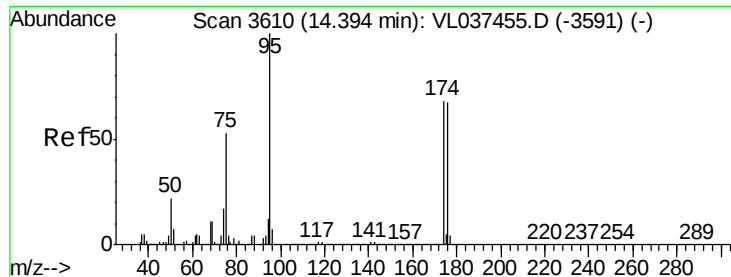
106 33.4 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

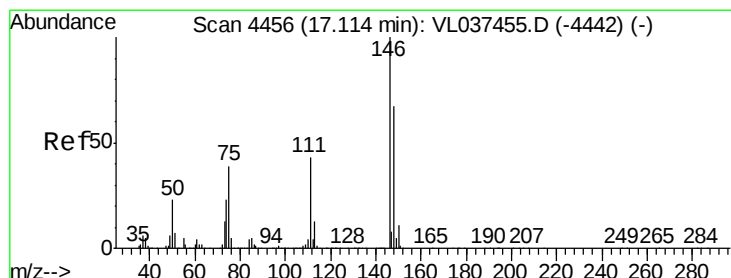
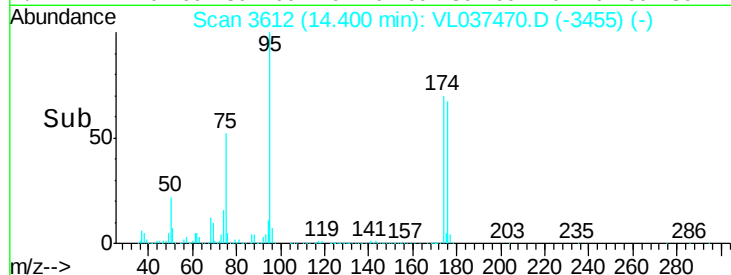
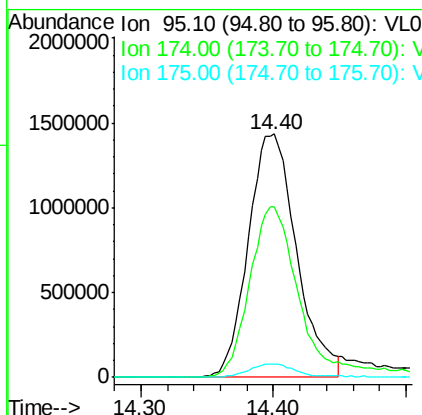
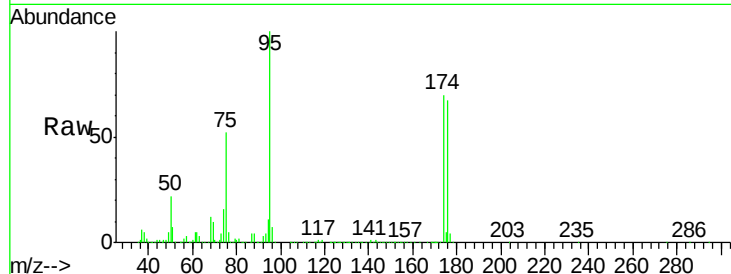




#68
 1-Bromo-4-Fluorobenzene
 Concen: 12.909 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: VL037470.D
 Acq: 16 Aug 2021 20:42

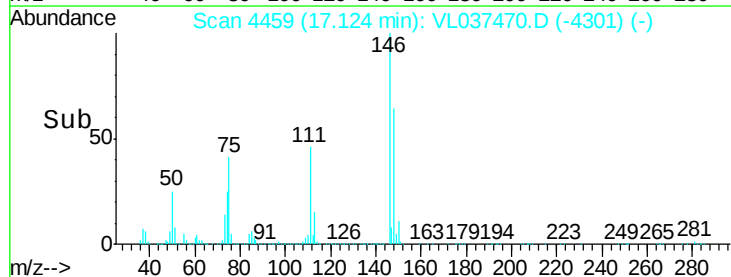
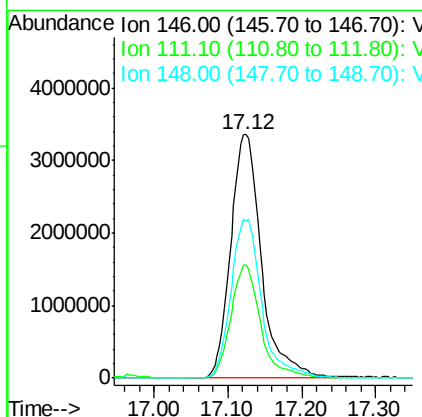
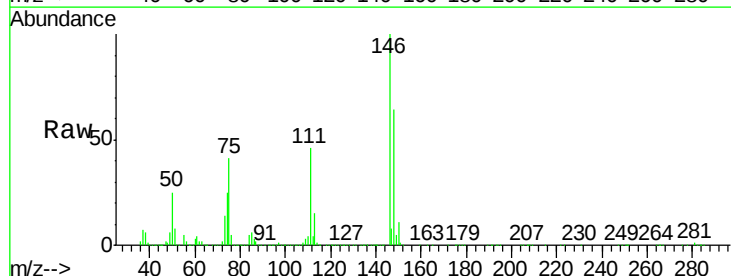
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

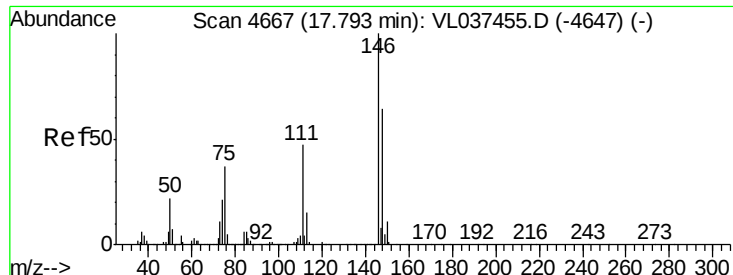
Tot Ion: 95 Resp: 3636643
 Ion Ratio Lower Upper
 95 100
 174 75.7 59.6 89.4
 175 5.8 4.6 7.0



#76
 1,4-Dichlorobenzene
 Concen: 30.710 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.01 min
 Lab File: VL037470.D
 Acq: 16 Aug 2021 20:42

Tgt Ion: 146 Resp: 9755064
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.1 66.5
 148 65.5 32.4 97.0





#77

1,2-Dichlorobenzene

Concen: 30.198 ppbv

RT: 17.80 min Scan# 4670

Delta R.T. 0.01 min

Lab File: VL037470.D

Acq: 16 Aug 2021 20:42

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

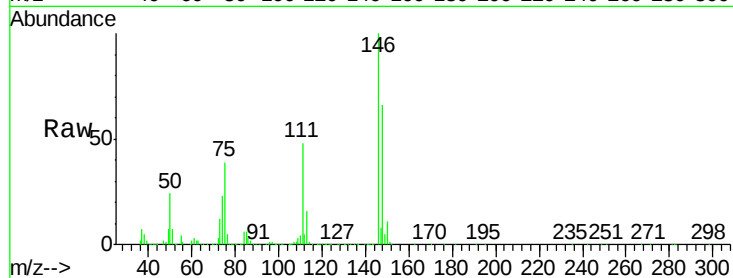
Tot Ion:146 Resp: 9376753

Ion Ratio Lower Upper

146 100

111 48.0 23.4 70.3

148 65.6 32.5 97.5



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

