

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081320\
 Data File : VL035406.D
 Acq On : 13 Aug 2020 18:24
 Operator : SY/AP
 Sample : L3510-01DL 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

Quant Time: Aug 15 15:24:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 12 20:32:44 2020
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1308538	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2946924	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3106341	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3200174	12.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	127.60%

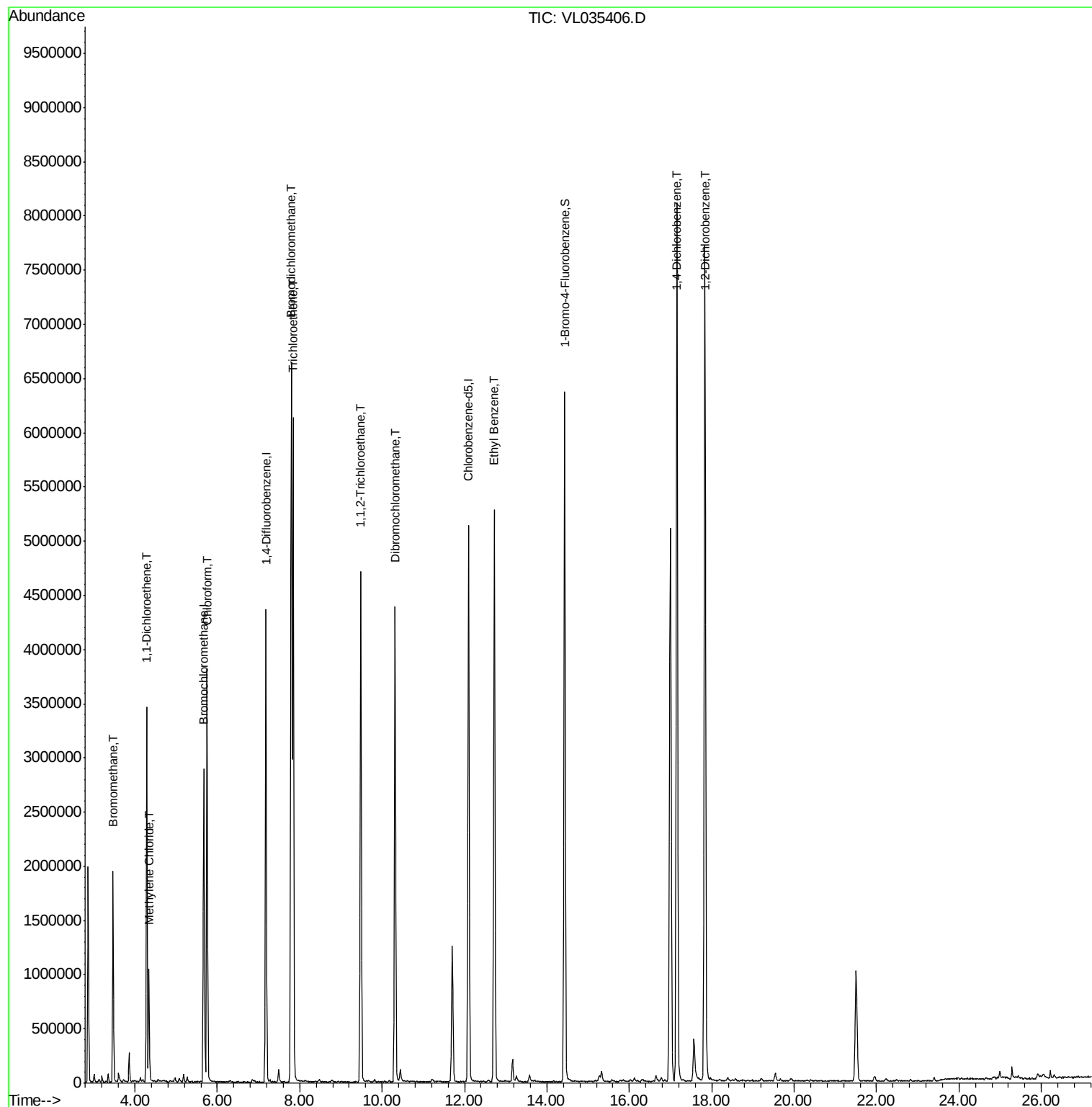
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.47	94	965304	20.716	ppbv	96
18) 1,1-Dichloroethene	4.29	96	923431	15.498	ppbv	98
20) Methylene Chloride	4.34	84	327956	5.270	ppbv	90
29) Chloroform	5.75	83	2558205	12.042	ppbv	97
38) Trichloroethene	7.84	130	1809850	16.343	ppbv	98
42) Bromodichloromethane	7.80	83	4532326	20.512	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1636799	14.422	ppbv	97
48) Dibromochloromethane	10.31	129	2584144	14.245	ppbv	100
58) Ethyl Benzene	12.73	91	4824472	9.826	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3983624	14.892	ppbv	97
77) 1,2-Dichlorobenzene	17.83	146	3845622	14.647	ppbv	98

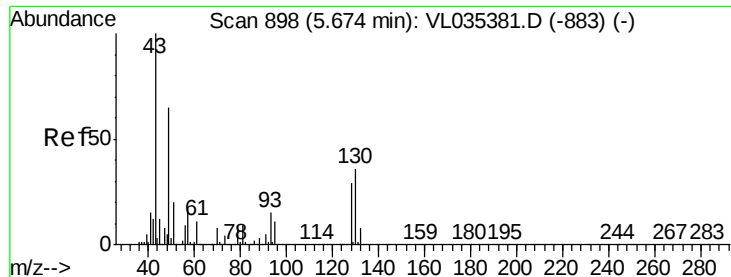
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081320\
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Sample : L3510-01DL 2X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Quant Time: Aug 15 15:24:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 12 20:32:44 2020
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035406.D

Acq: 13 Aug 2020 18:24

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

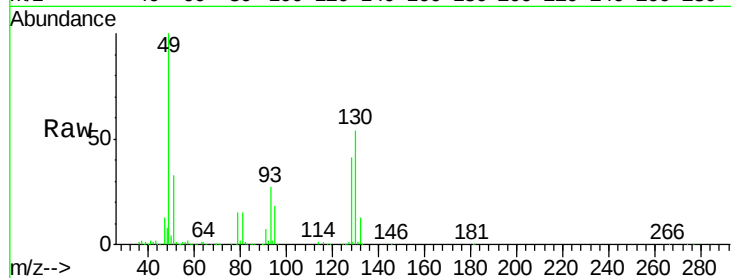
Tot Ion: 49 Resp: 1308538

Ion Ratio Lower Upper

49 100

128 42.6 21.8 65.3

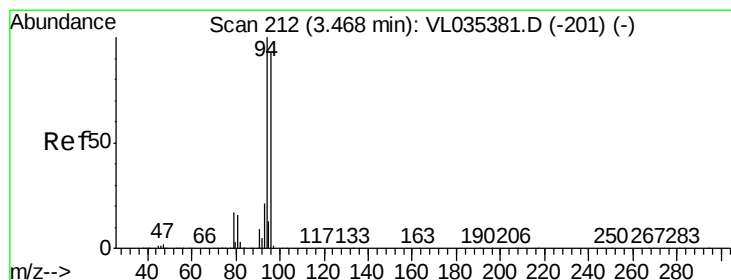
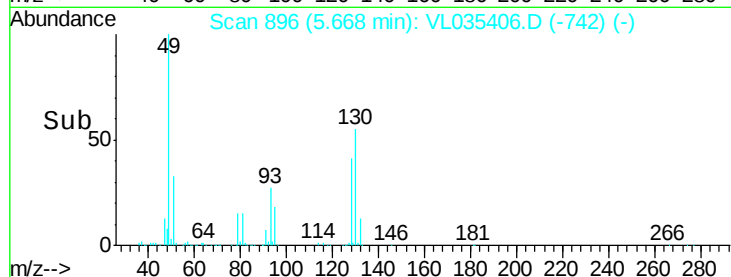
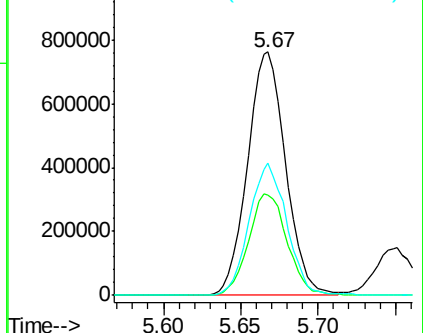
130 54.0 27.9 83.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#6

Bromomethane

Concen: 20.716 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035406.D

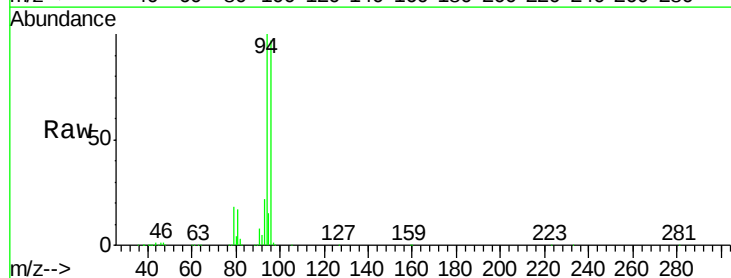
Acq: 13 Aug 2020 18:24

Tgt Ion: 94 Resp: 965304

Ion Ratio Lower Upper

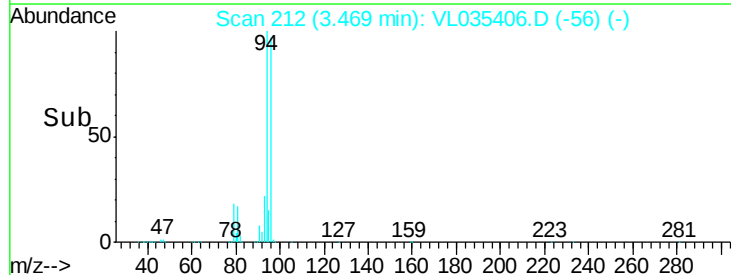
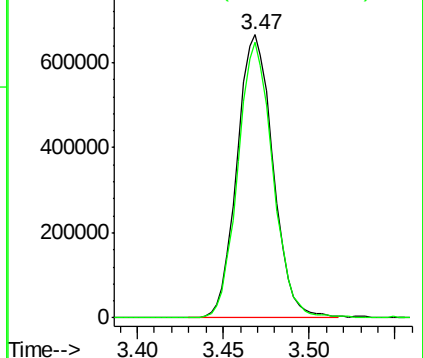
94 100

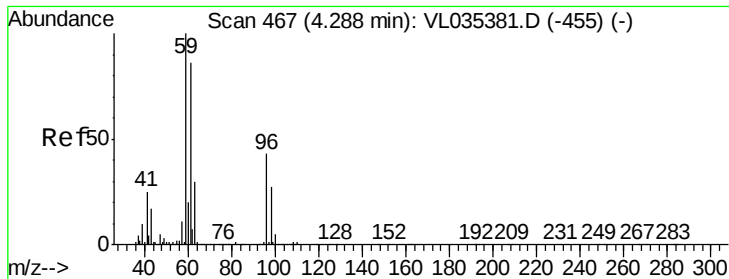
96 97.2 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

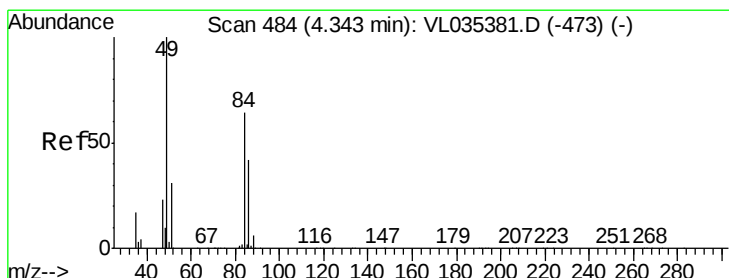
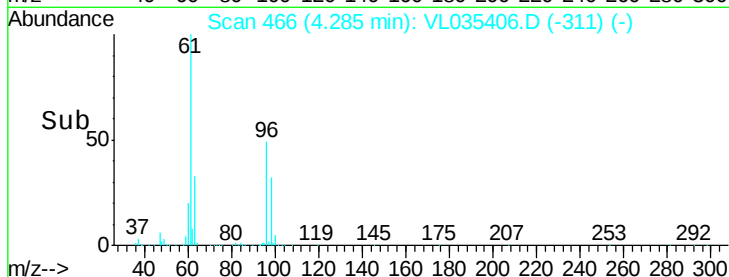
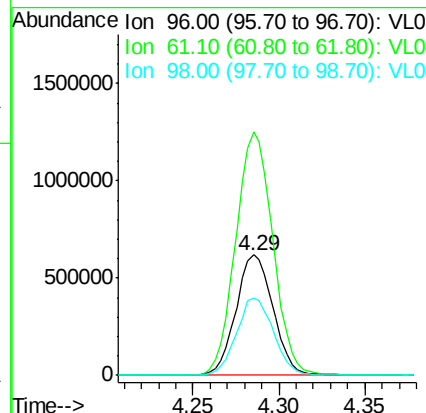
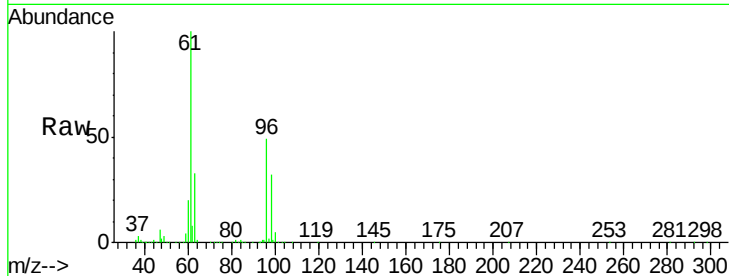




#18
 1,1-Dichloroethene
 Concen: 15.498 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL035406.D
 Acq: 13 Aug 2020 18:24

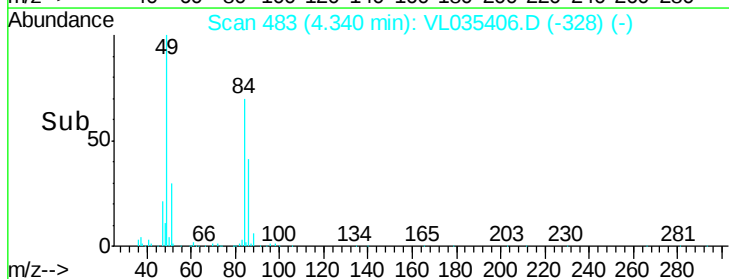
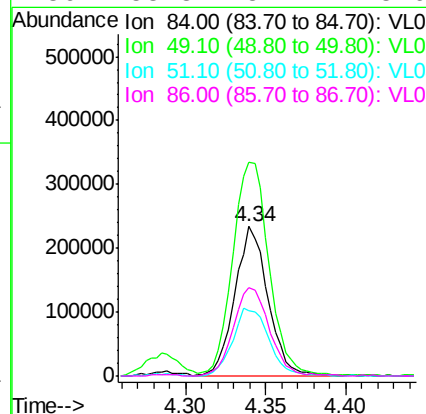
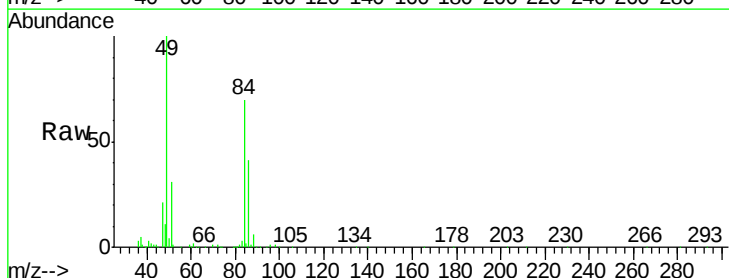
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

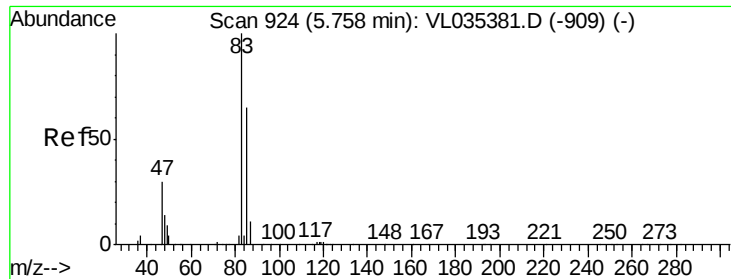
Tot Ion: 96 Resp: 923431
 Ion Ratio Lower Upper
 96 100
 61 202.2 159.0 238.4
 98 64.4 50.3 75.5



#20
 Methylene Chloride
 Concen: 5.270 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL035406.D
 Acq: 13 Aug 2020 18:24

Tgt Ion: 84 Resp: 327956
 Ion Ratio Lower Upper
 84 100
 49 142.7 125.7 188.5
 51 43.5 38.5 57.7
 86 58.8 52.4 78.6





#29

Chloroform

Concen: 12.042 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.01 min

Lab File: VL035406.D

Acq: 13 Aug 2020 18:24

Instrument :

MSVOA_L

ClientSampleId :

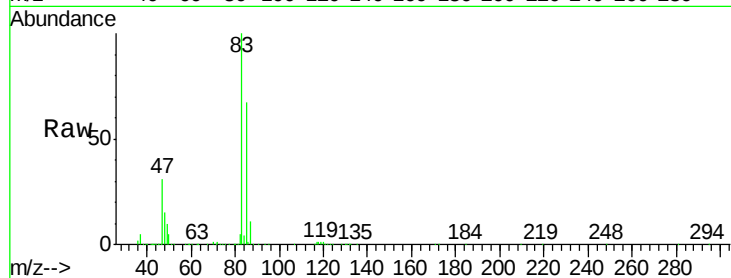
E053-1100DL

Tot Ion: 83 Resp: 2558205

Ion Ratio Lower Upper

83 100

85 66.9 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1500000

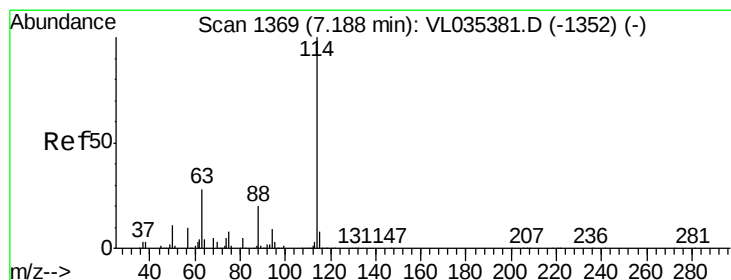
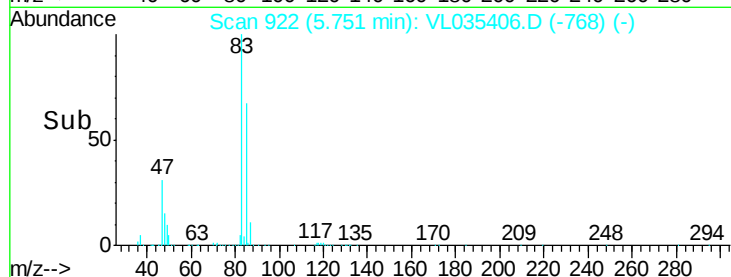
1000000

500000

0

5.65 5.70 5.75 5.80 5.85

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035406.D

Acq: 13 Aug 2020 18:24

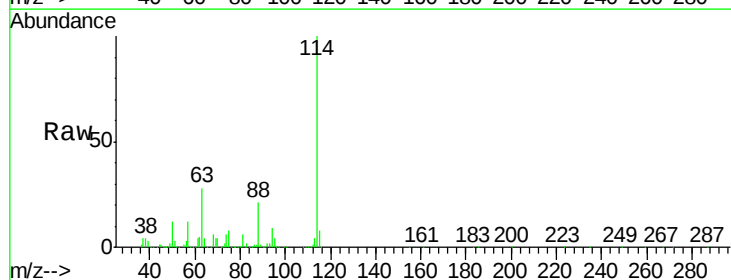
Tgt Ion: 114 Resp: 2946924

Ion Ratio Lower Upper

114 100

63 28.5 21.5 32.3

88 20.3 15.6 23.4



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

2000000

1500000

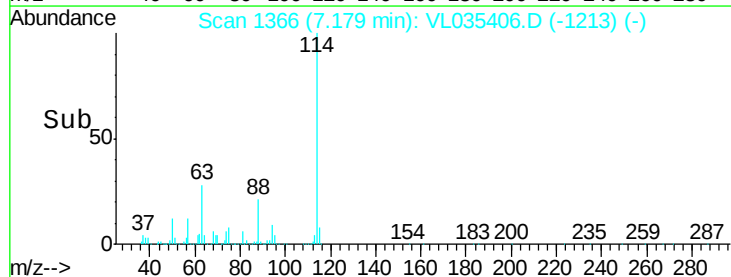
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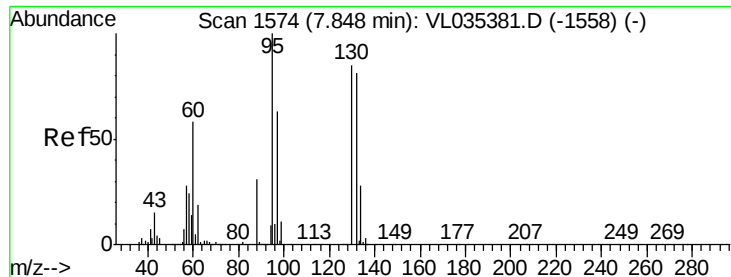
500000

0

7.10 7.15 7.20 7.25

Time-->





#38

Trichloroethene

Concen: 16.343 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL035406.D

Acq: 13 Aug 2020 18:24

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

Tot Ion:130 Resp: 1809850

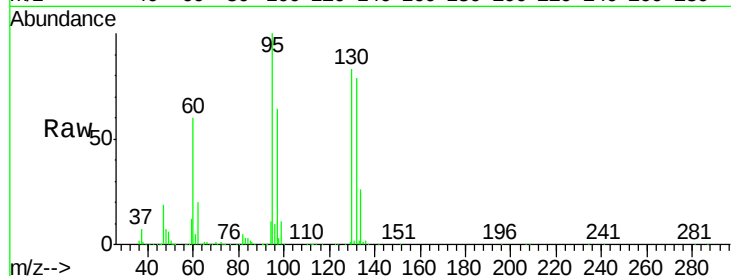
Ion Ratio Lower Upper

130 100

95 120.3 94.2 141.4

132 95.0 76.6 114.8

97 77.2 59.3 88.9

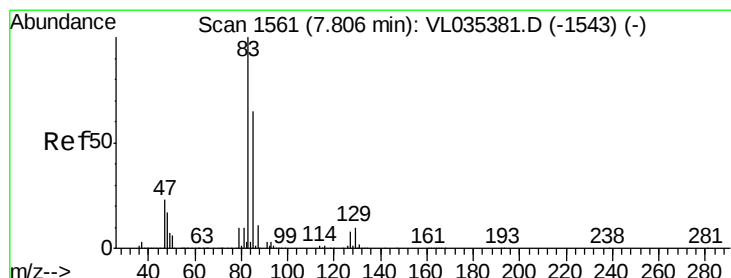
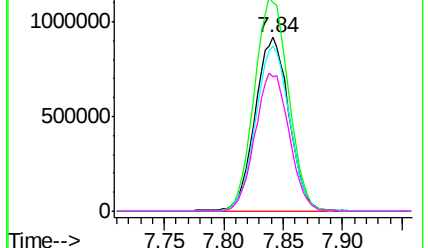
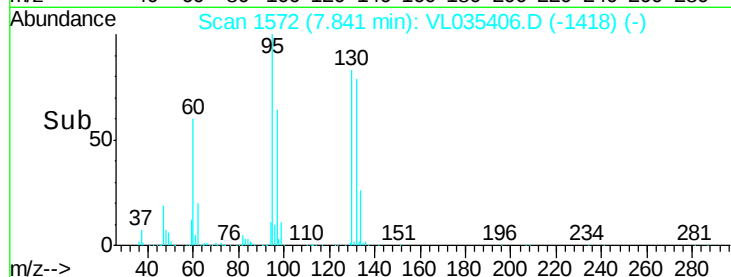


Abundance Ion 130.00 (129.70 to 130.70): V

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: 20.512 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VL035406.D

Acq: 13 Aug 2020 18:24

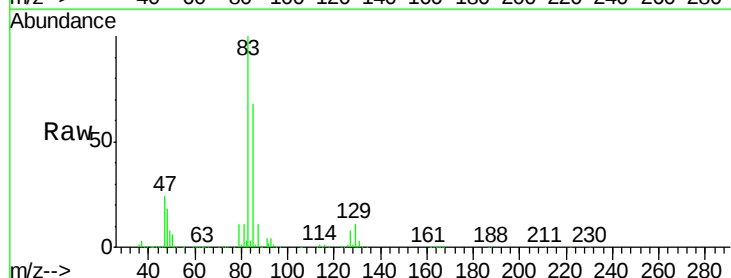
Tgt Ion: 83 Resp: 4532326

Ion Ratio Lower Upper

83 100

85 67.9 52.2 78.4

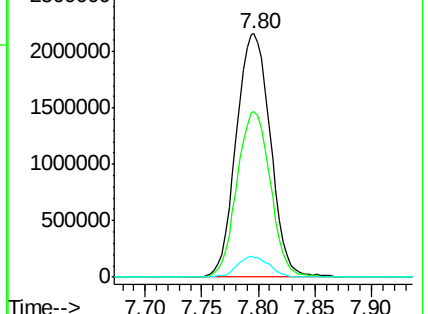
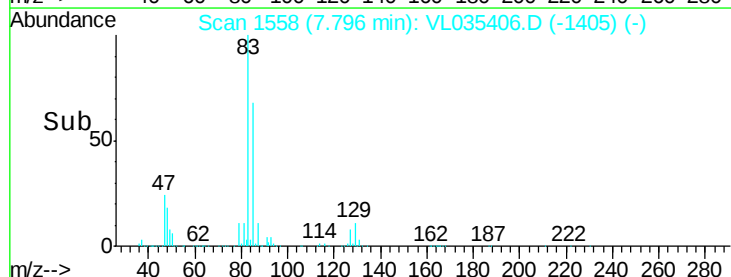
127 8.1 6.3 9.5

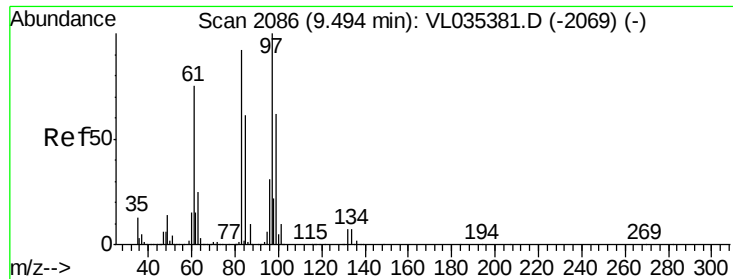


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



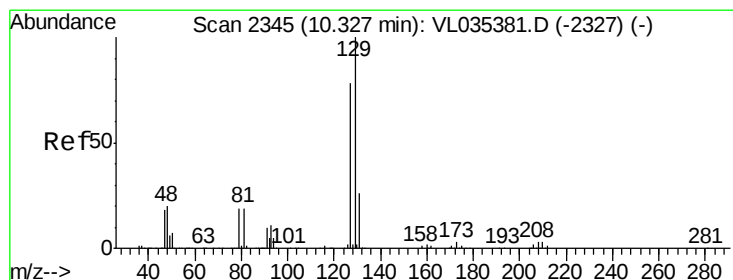
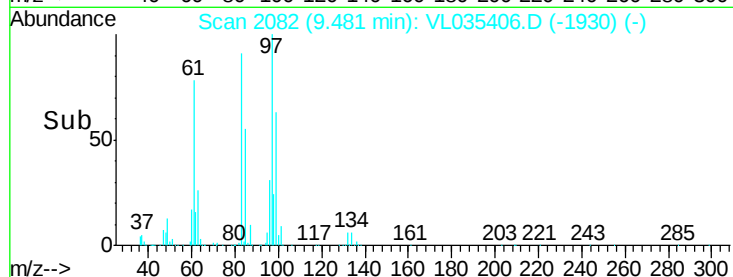
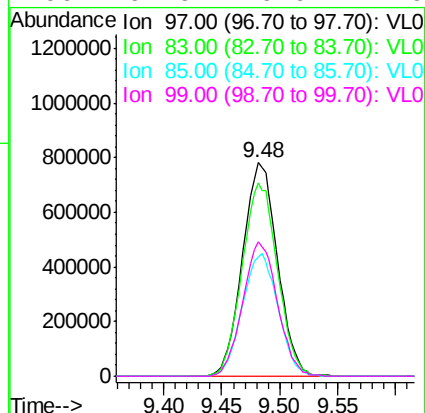
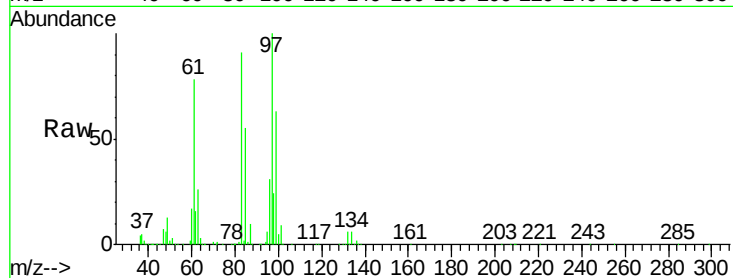


#47
 1,1,2-Trichloroethane
 Concen: 14.422 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.01 min
 Lab File: VL035406.D
 Acq: 13 Aug 2020 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

Tot Ion: 97 Resp: 1636799

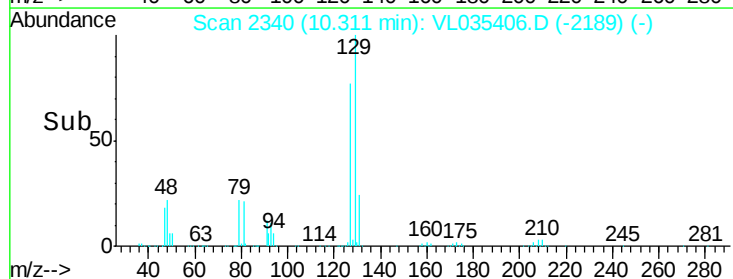
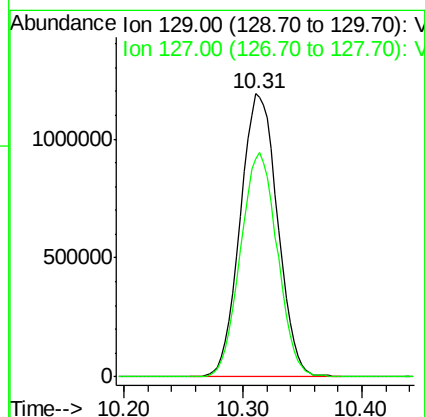
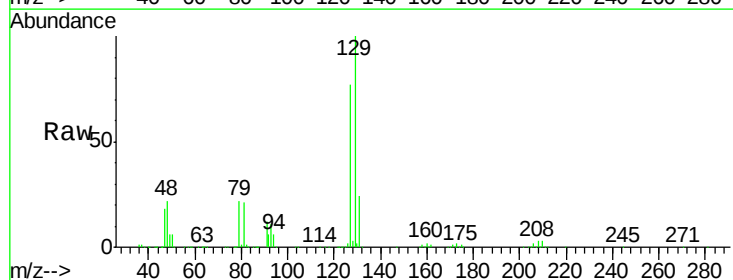
Ion	Ratio	Lower	Upper
97	100		
83	90.8	73.9	110.9
85	55.5	49.0	73.6
99	62.6	49.9	74.9

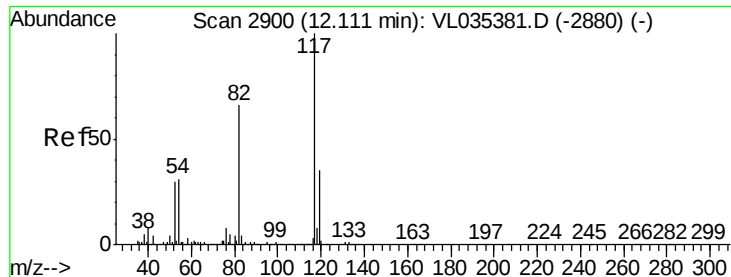


#48
 Dibromochloromethane
 Concen: 14.245 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.02 min
 Lab File: VL035406.D
 Acq: 13 Aug 2020 18:24

Tgt Ion: 129 Resp: 2584144

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. -0.02 min

Lab File: VL035406.D

Acq: 13 Aug 2020 18:24

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

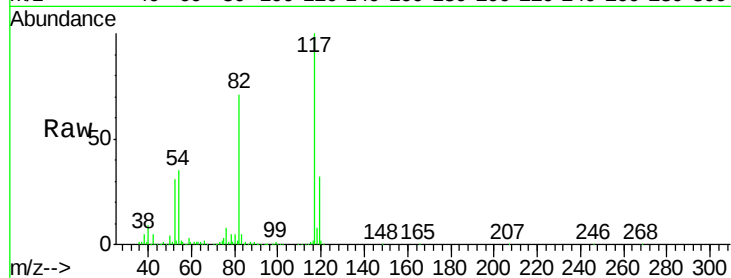
Tot Ion:117 Resp: 3106341

Ion Ratio Lower Upper

117 100

82 71.8 53.0 79.6

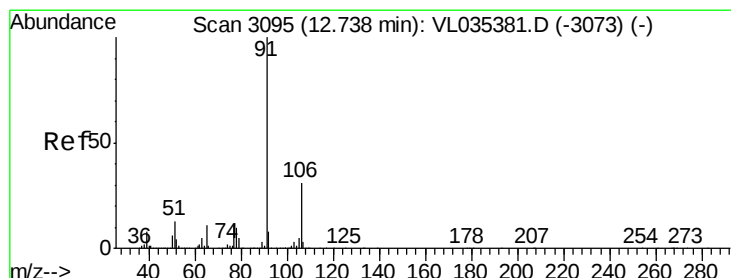
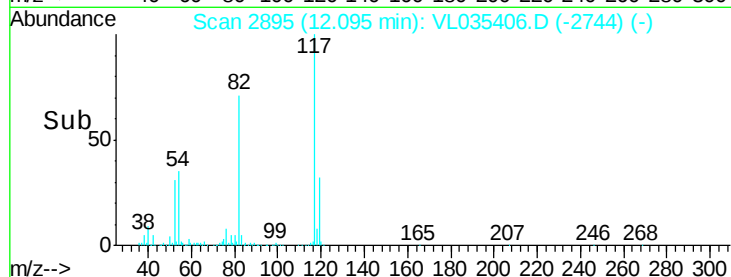
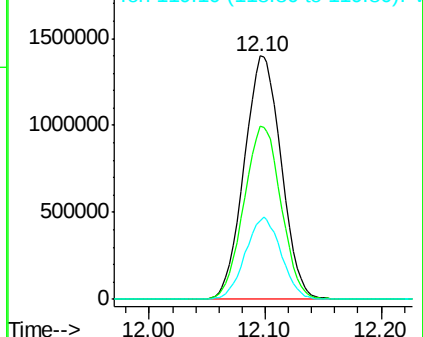
119 32.9 25.7 38.5



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: 9.826 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL035406.D

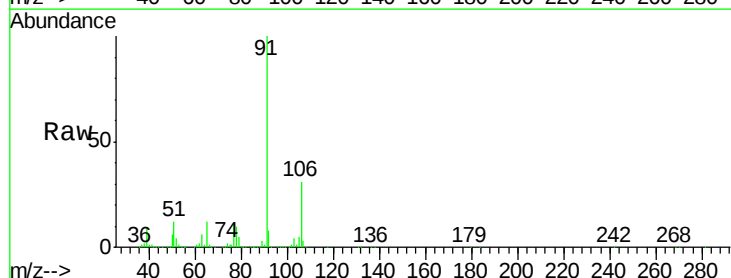
Acq: 13 Aug 2020 18:24

Tgt Ion: 91 Resp: 4824472

Ion Ratio Lower Upper

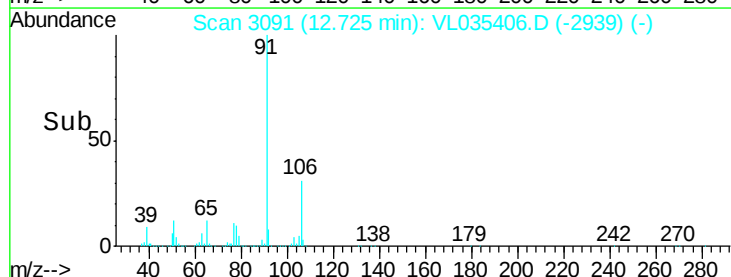
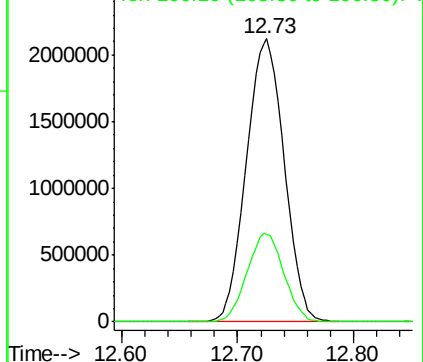
91 100

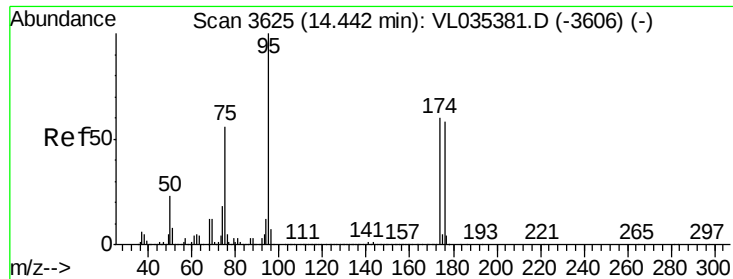
106 30.9 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

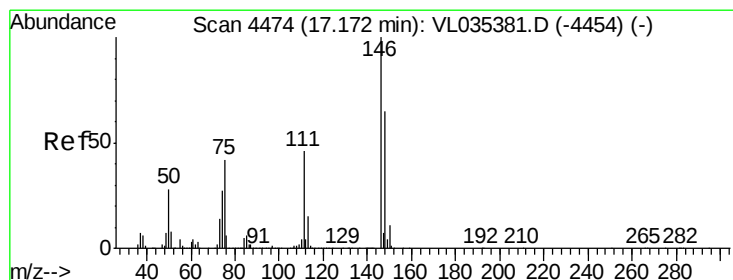
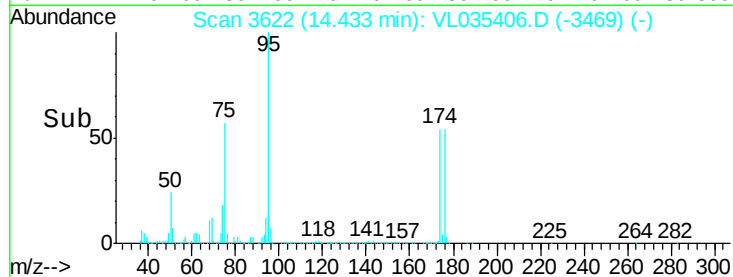
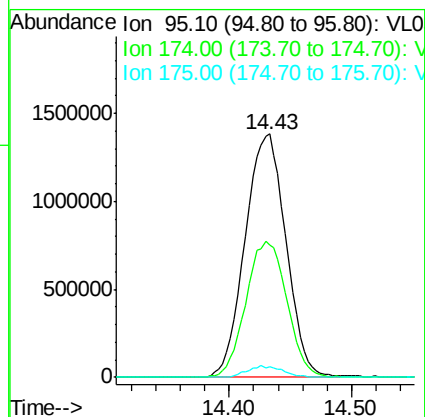
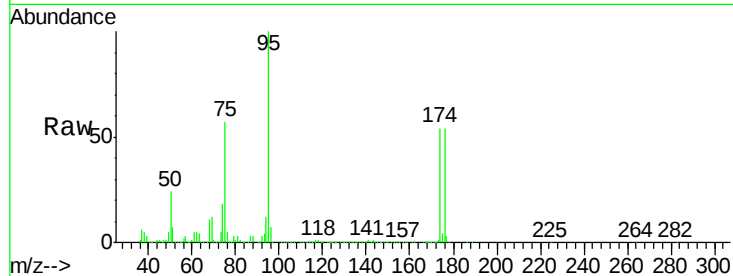




#68
 1-Bromo-4-Fluorobenzene
 Concen: 12.759 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL035406.D
 Acq: 13 Aug 2020 18:24

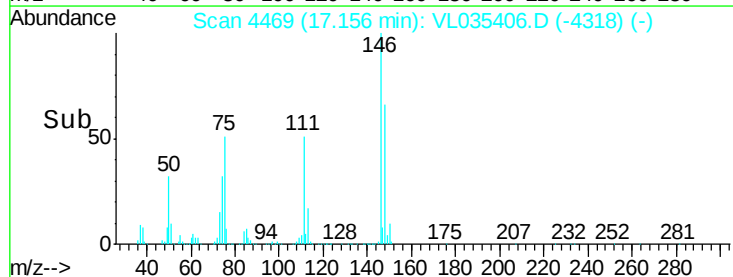
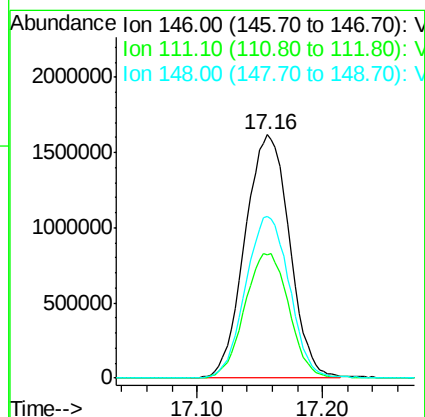
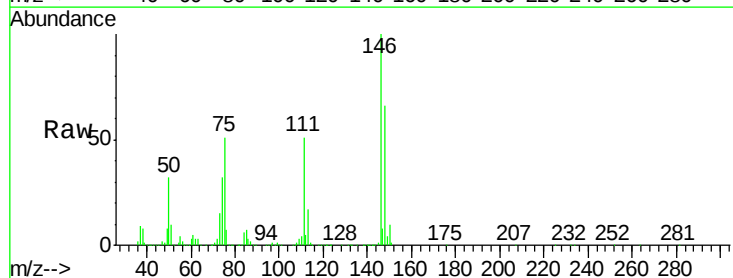
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

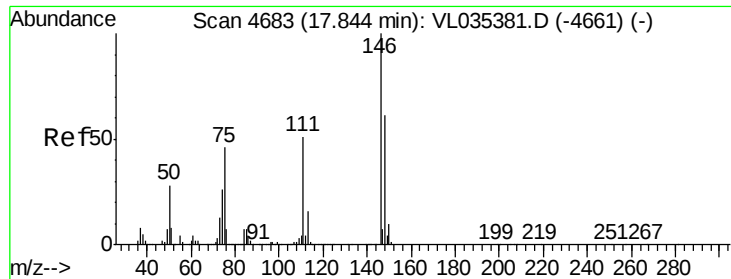
Tot Ion: 95 Resp: 3200174
 Ion Ratio Lower Upper
 95 100
 174 56.4 48.2 72.2
 175 4.2 3.7 5.5



#76
 1,4-Dichlorobenzene
 Concen: 14.892 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. -0.02 min
 Lab File: VL035406.D
 Acq: 13 Aug 2020 18:24

Tgt Ion: 146 Resp: 3983624
 Ion Ratio Lower Upper
 146 100
 111 51.2 24.0 72.0
 148 65.8 32.5 97.5





#77

1,2-Dichlorobenzene

Concen: 14.647 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. -0.01 min

Lab File: VL035406.D

Acq: 13 Aug 2020 18:24

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

Tot Ion:146 Resp: 3845622

Ion Ratio Lower Upper

146 100

111 53.9 25.9 77.8

148 65.2 32.1 96.3

