

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081320\
 Data File : VL035405.D
 Acq On : 13 Aug 2020 17:46
 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 15 15:20:24 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	1461714	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3347330	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3754546	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	4193911	13.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	138.30%#

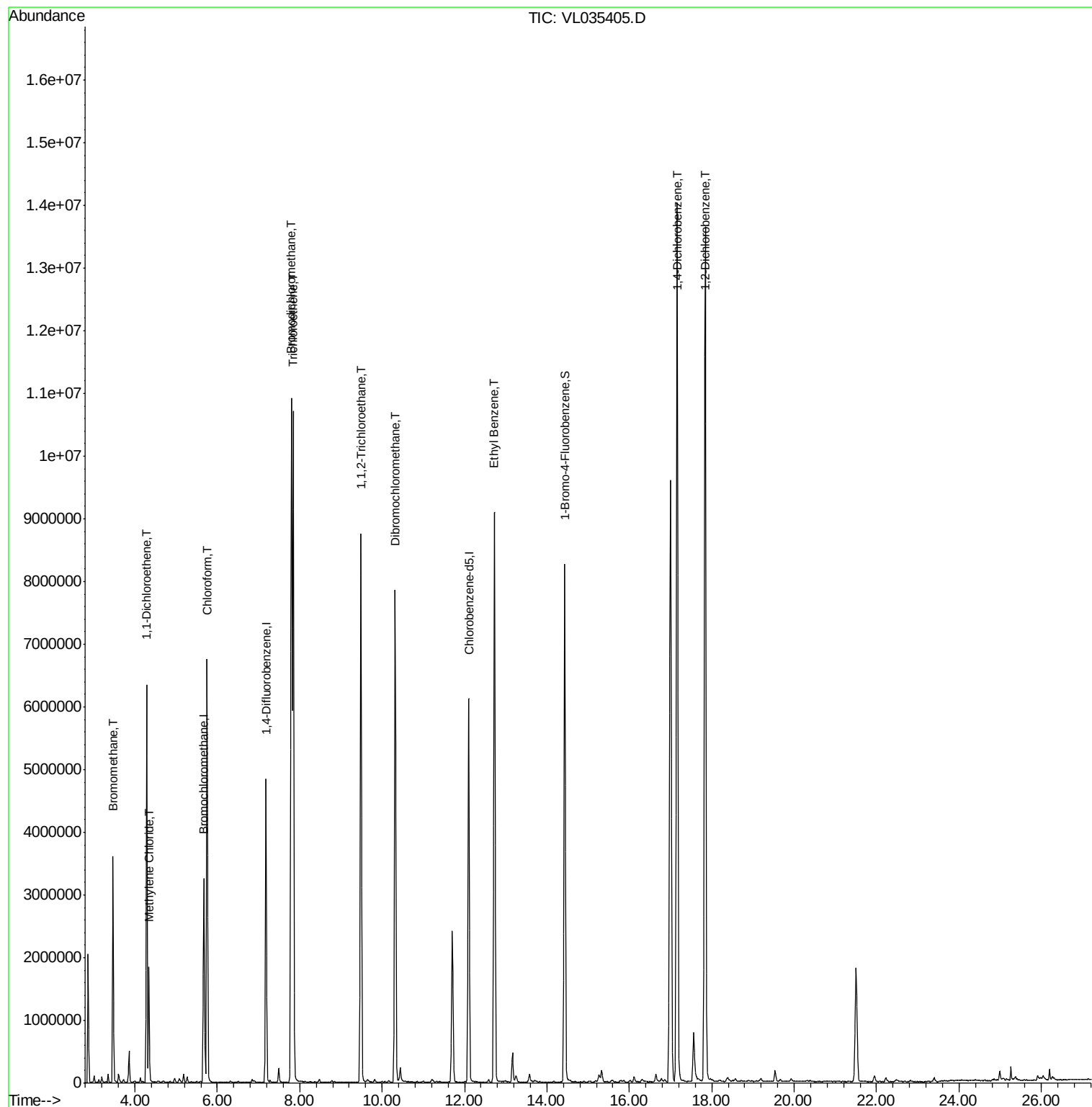
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.47	94	1862666	35.785	ppbv	99
18) 1,1-Dichloroethene	4.29	96	1782333	26.779	ppbv	94
20) Methylene Chloride	4.34	84	574722	8.267	ppbv	96
29) Chloroform	5.75	83	4633362	19.525	ppbv	93
38) Trichloroethene	7.84	130	3273816	26.026	ppbv	98
42) Bromodichloromethane	7.80	83	7492101	29.851	ppbv #	91
47) 1,1,2-Trichloroethane	9.49	97	3047055	23.636	ppbv	98
48) Dibromochloromethane	10.32	129	4741382	23.011	ppbv	98
58) Ethyl Benzene	12.73	91	8363627	14.094	ppbv	91
76) 1,4-Dichlorobenzene	17.16	146	7001891	21.657	ppbv	95
77) 1,2-Dichlorobenzene	17.84	146	6783267	21.375	ppbv	95

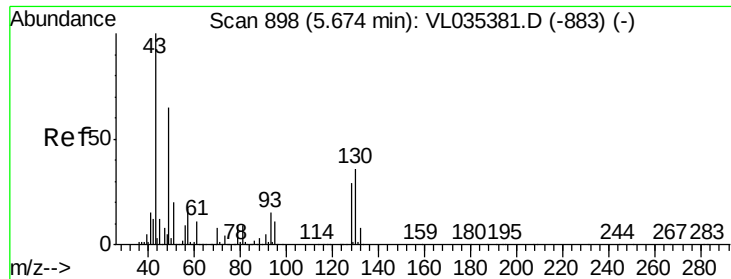
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081320\
Data File : VL035405.D
Acq On : 13 Aug 2020 17:46
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 15 15:20:24 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

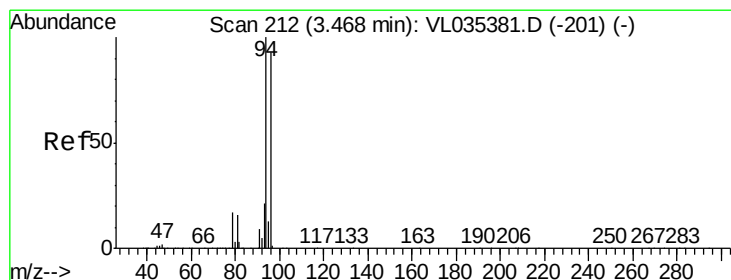
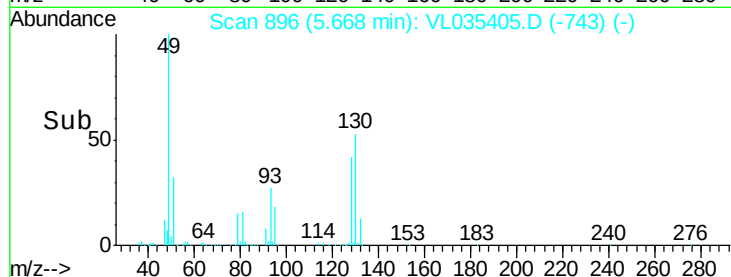
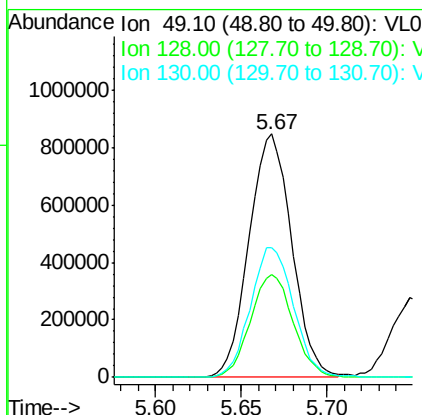
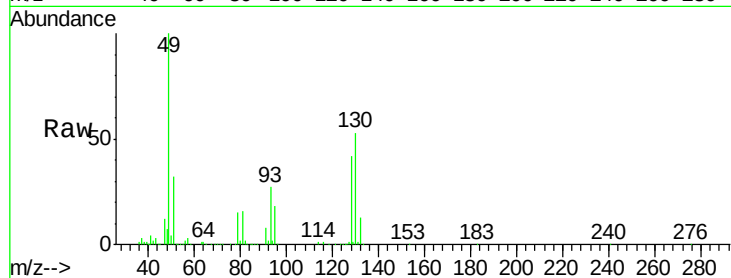




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: VL035405.D
 Acq: 13 Aug 2020 17:46

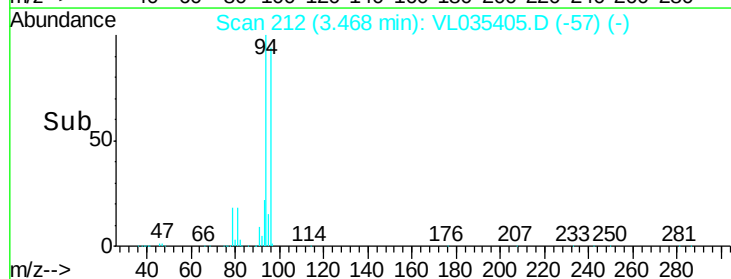
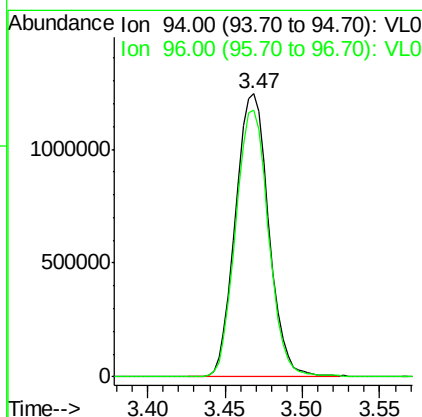
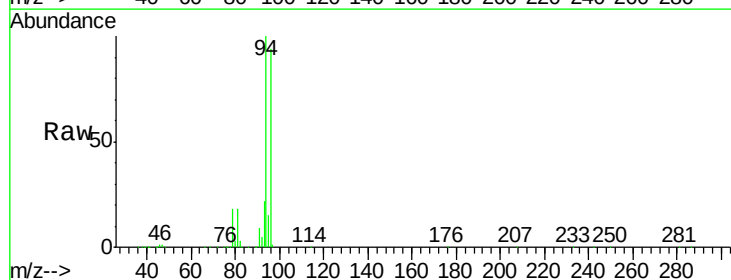
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

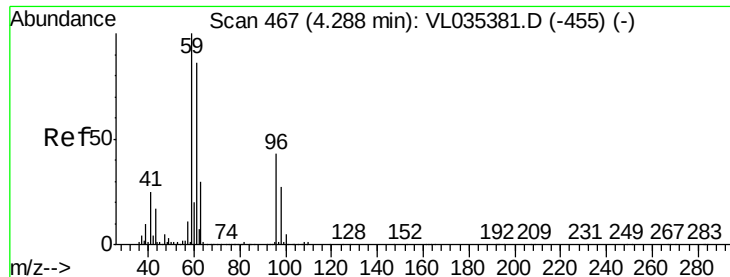
Tot Ion: 49 Resp: 1461714
 Ion Ratio Lower Upper
 49 100
 128 42.4 21.8 65.3
 130 54.1 27.9 83.6



#6
 Bromomethane
 Concen: 35.785 ppbv
 RT: 3.47 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VL035405.D
 Acq: 13 Aug 2020 17:46

Tgt Ion: 94 Resp: 1862666
 Ion Ratio Lower Upper
 94 100
 96 94.2 74.4 111.6

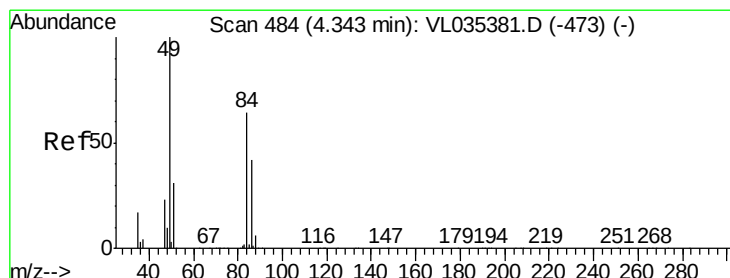
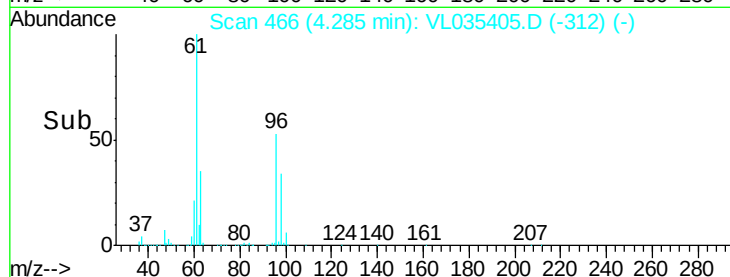
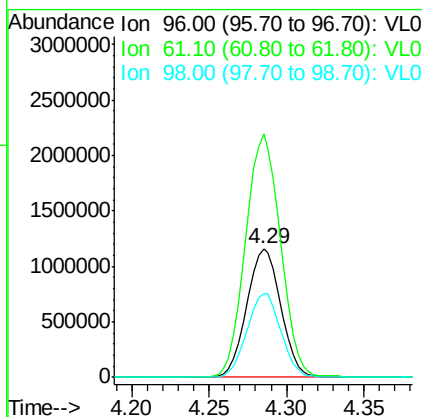
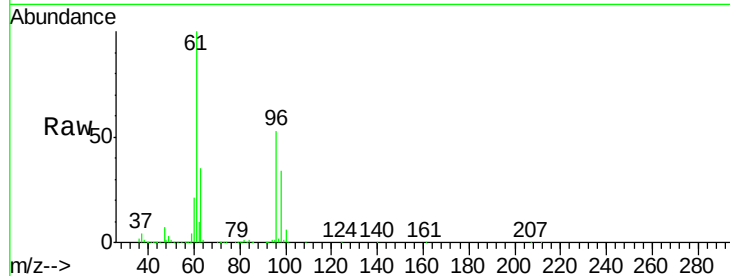




#18
 1,1-Dichloroethene
 Concen: 26.779 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL035405.D
 Acq: 13 Aug 2020 17:46

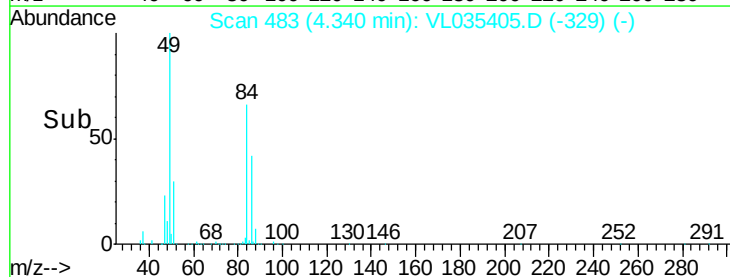
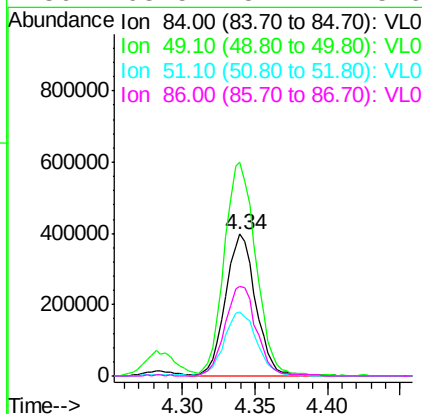
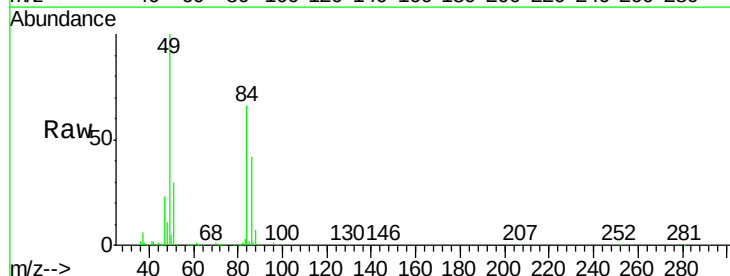
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

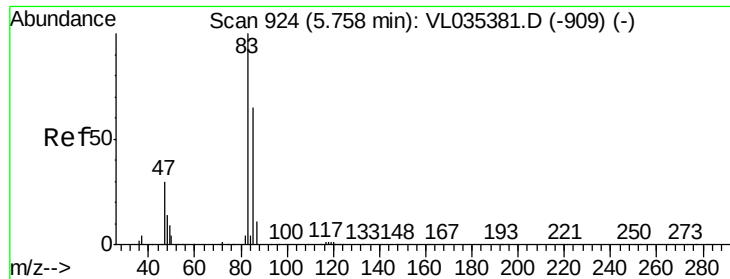
Tot Ion: 96 Resp: 1782333
 Ion Ratio Lower Upper
 96 100
 61 188.7 159.0 238.4
 98 65.1 50.3 75.5



#20
 Methylene Chloride
 Concen: 8.267 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL035405.D
 Acq: 13 Aug 2020 17:46

Tgt Ion: 84 Resp: 574722
 Ion Ratio Lower Upper
 84 100
 49 150.6 125.7 188.5
 51 45.3 38.5 57.7
 86 63.5 52.4 78.6





#29

Chloroform

Concen: 19.525 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.01 min

Lab File: VL035405.D

Acq: 13 Aug 2020 17:46

Instrument :

MSVOA_L

ClientSampleId :

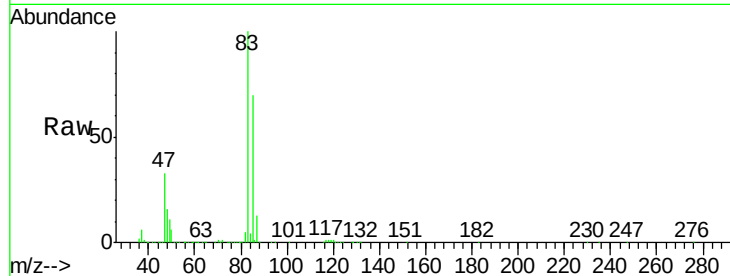
E053-1100

Tot Ion: 83 Resp: 4633362

Ion Ratio Lower Upper

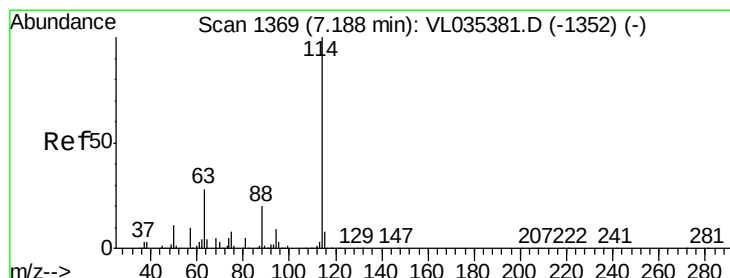
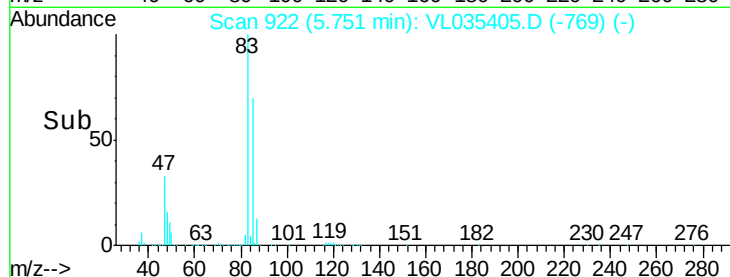
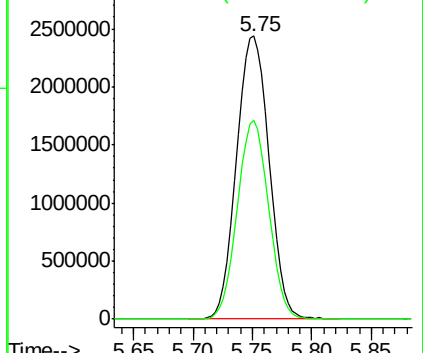
83 100

85 70.2 51.7 77.5



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: 7.18 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VL035405.D

Acq: 13 Aug 2020 17:46

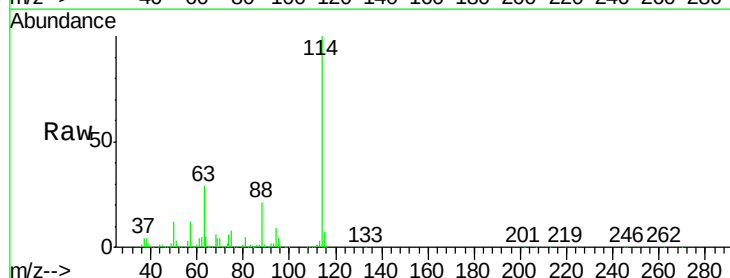
Tgt Ion: 114 Resp: 3347330

Ion Ratio Lower Upper

114 100

63 28.3 21.5 32.3

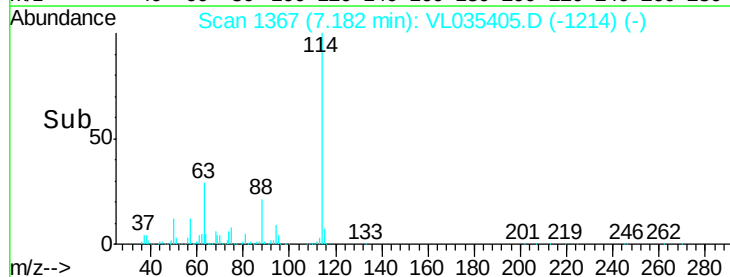
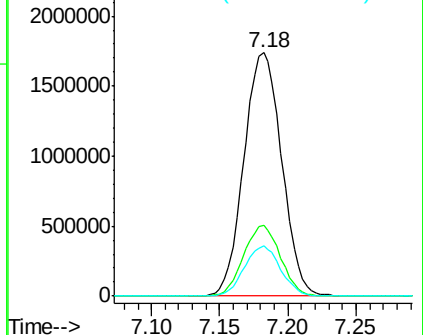
88 19.9 15.6 23.4

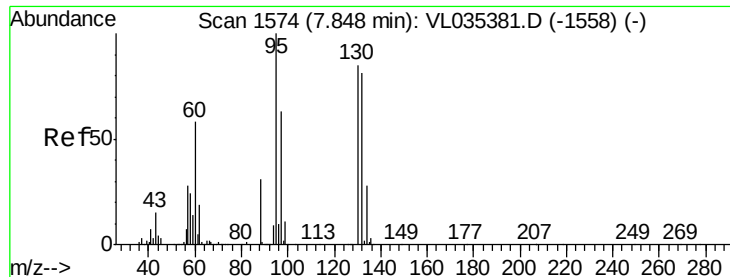


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#38

Trichloroethene

Concen: 26.026 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035405.D

Acq: 13 Aug 2020 17:46

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

Tot Ion:130 Resp: 3273816

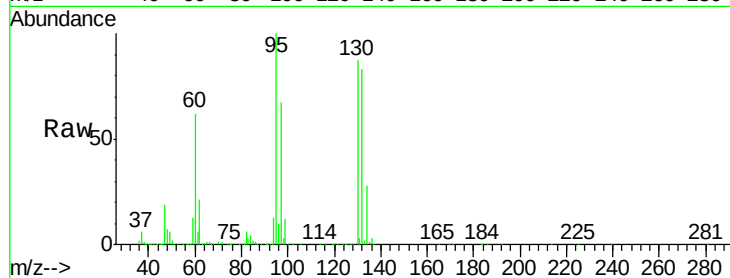
Ion Ratio Lower Upper

130 100

95 115.2 94.2 141.4

132 95.7 76.6 114.8

97 77.5 59.3 88.9

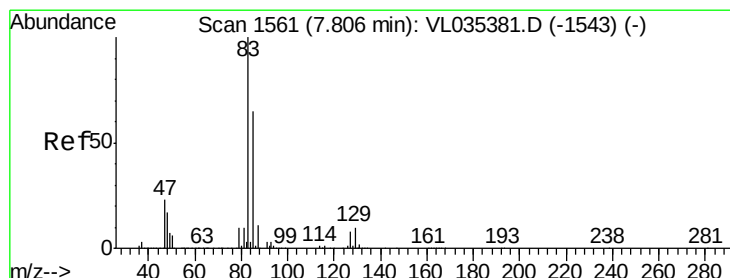
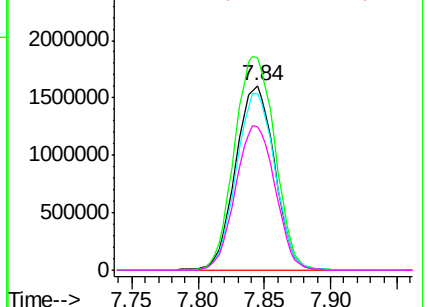
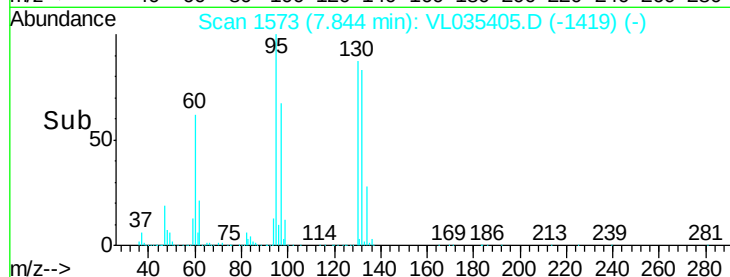


Abundance Ion 130.00 (129.70 to 130.70): V

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: 29.851 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL035405.D

Acq: 13 Aug 2020 17:46

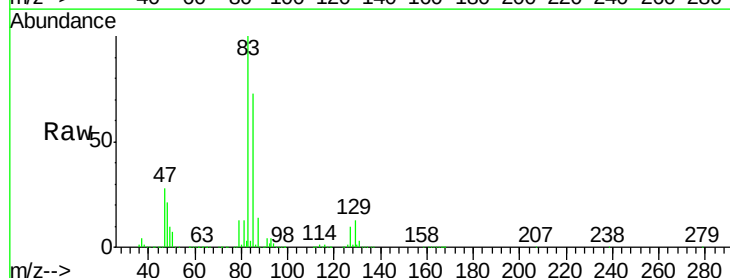
Tgt Ion: 83 Resp: 7492101

Ion Ratio Lower Upper

83 100

85 72.7 52.2 78.4

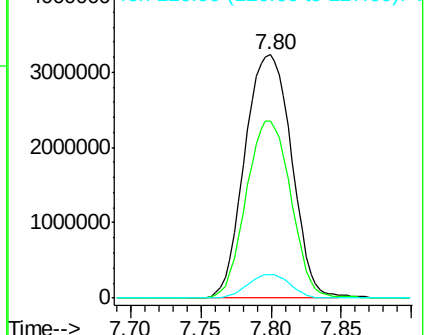
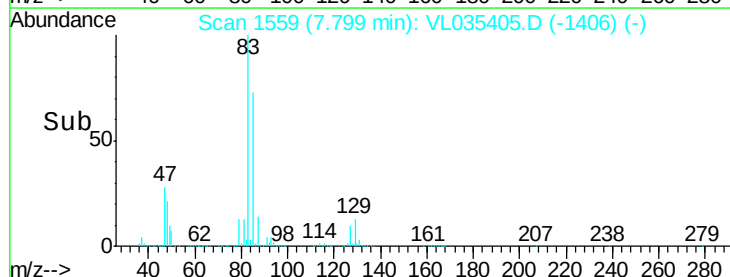
127 9.6 6.3 9.5#

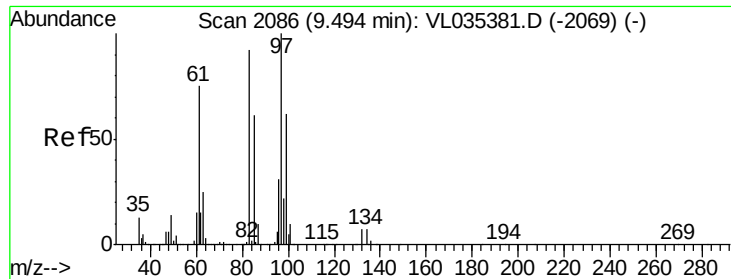


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#47

1,1,2-Trichloroethane

Concen: 23.636 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. -0.01 min

Lab File: VL035405.D

Acq: 13 Aug 2020 17:46

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

Tot Ion: 97 Resp: 3047055

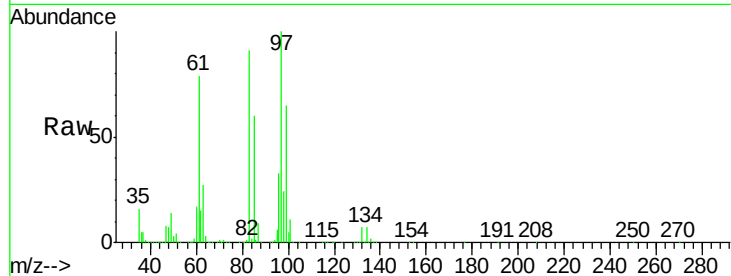
Ion	Ratio	Lower	Upper
97	100		
83	90.9	73.9	110.9
85	60.2	49.0	73.6
99	64.6	49.9	74.9

97 100

83 90.9 73.9 110.9

85 60.2 49.0 73.6

99 64.6 49.9 74.9

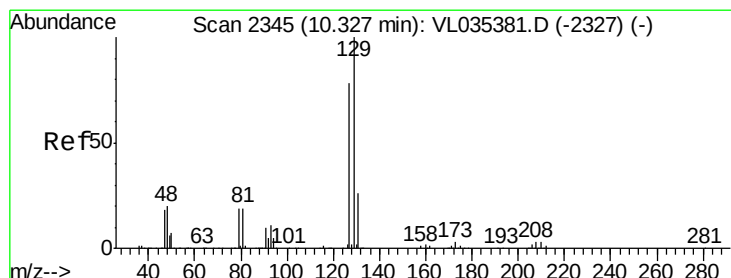
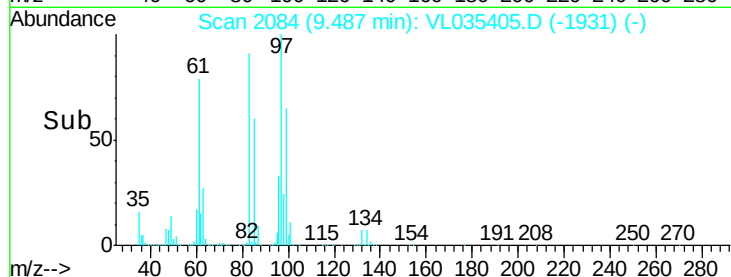
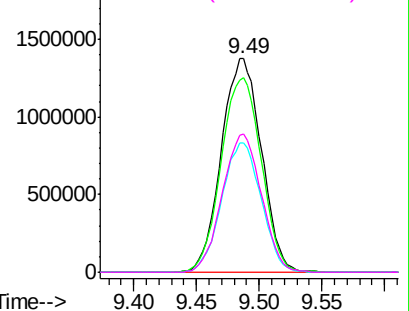


Abundance Ion 97.00 (96.70 to 97.70): VL0

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



#48

Dibromochloromethane

Concen: 23.011 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL035405.D

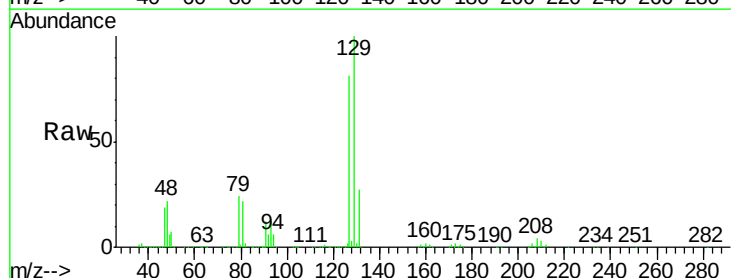
Acq: 13 Aug 2020 17:46

Tgt Ion: 129 Resp: 4741382

Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.3	117.8

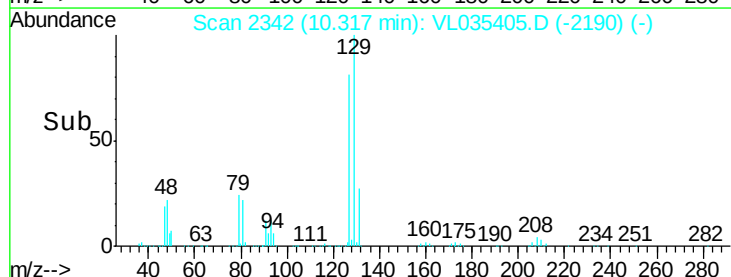
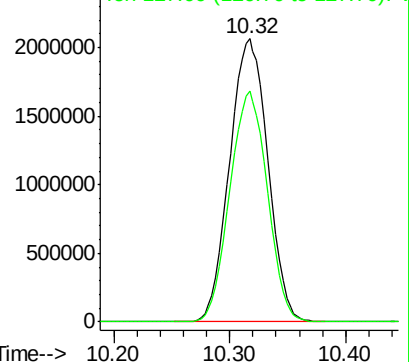
129 100

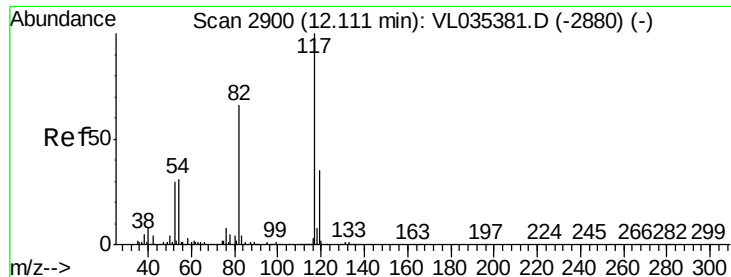
127 80.0 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

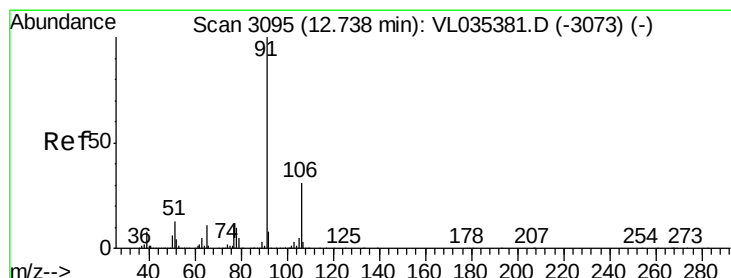
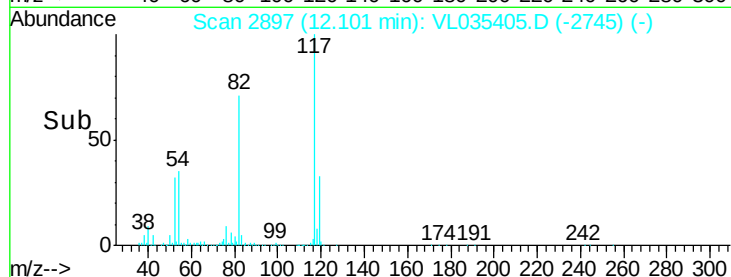
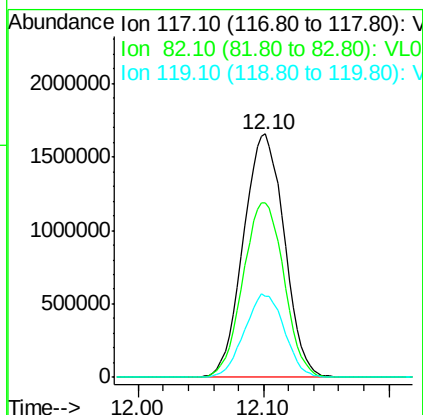
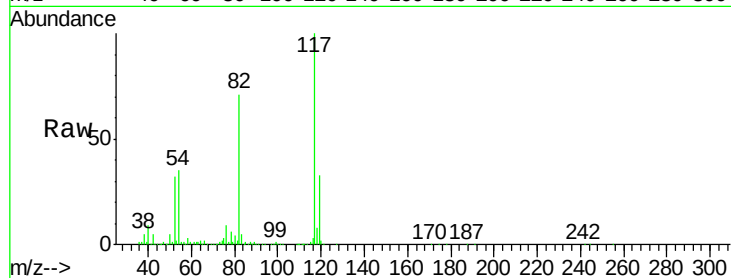




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035405.D
Acq: 13 Aug 2020 17:46

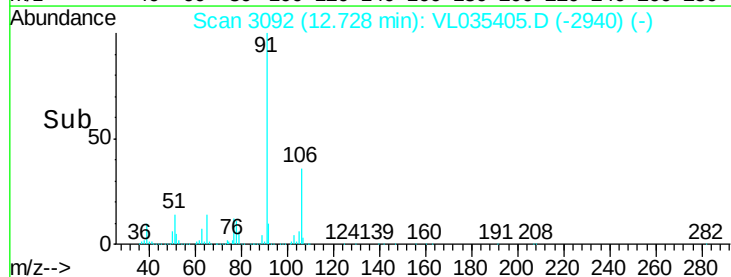
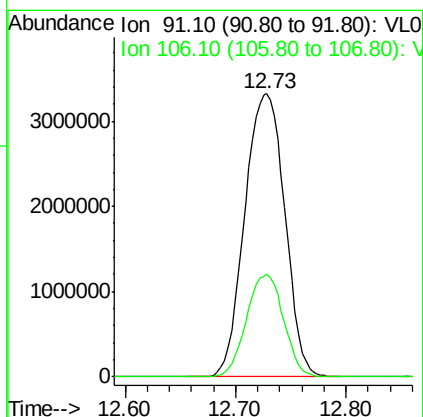
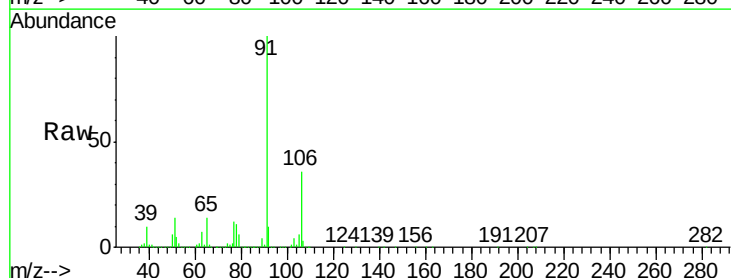
Instrument :
MSVOA_L
ClientSampleId :
E053-1100

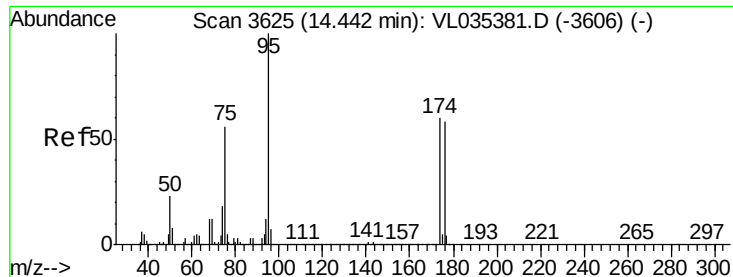
Tot Ion:117 Resp: 3754546
Ion Ratio Lower Upper
117 100
82 72.2 53.0 79.6
119 33.5 25.7 38.5



#58
Ethyl Benzene
Concen: 14.094 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.01 min
Lab File: VL035405.D
Acq: 13 Aug 2020 17:46

Tgt Ion: 91 Resp: 8363627
Ion Ratio Lower Upper
91 100
106 36.2 25.1 37.7



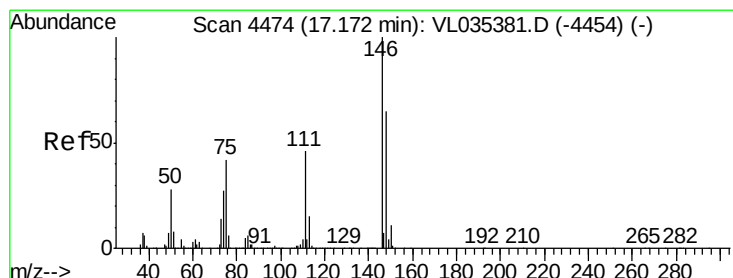
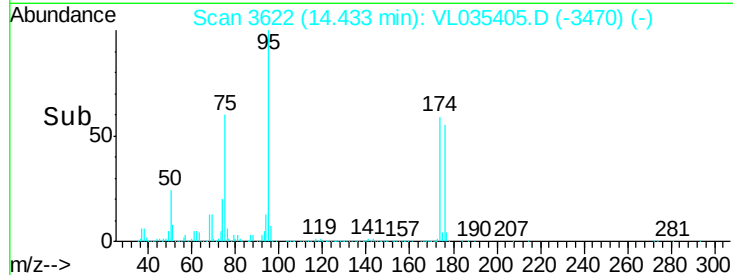
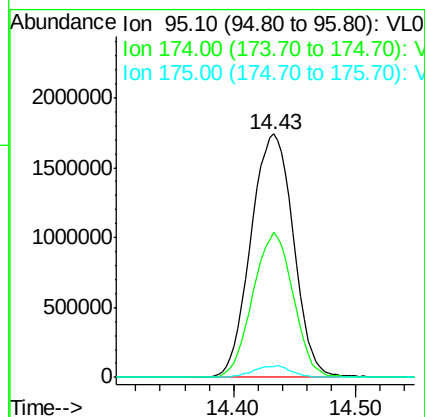
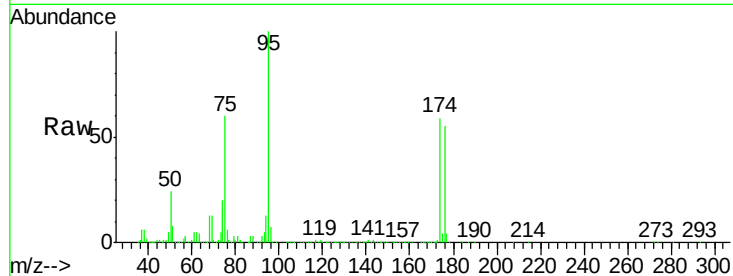


#68
 1-Bromo-4-Fluorobenzene
 Concen: 13.835 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL035405.D
 Acq: 13 Aug 2020 17:46

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

Tot Ion: 95 Resp: 4193911

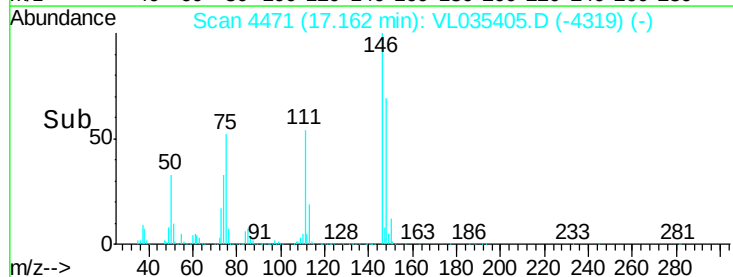
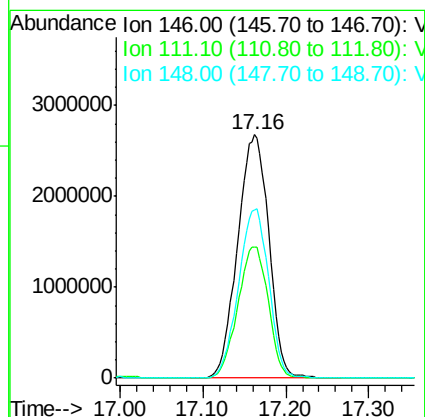
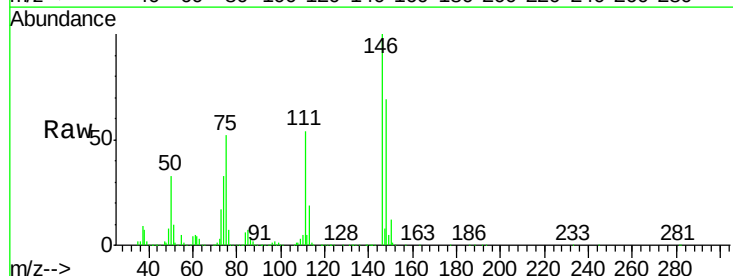
Ion	Ratio	Lower	Upper
95	100		
174	56.9	48.2	72.2
175	4.4	3.7	5.5

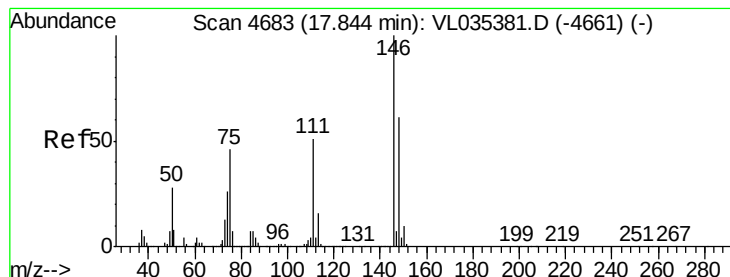


#76
 1,4-Dichlorobenzene
 Concen: 21.657 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL035405.D
 Acq: 13 Aug 2020 17:46

Tgt Ion: 146 Resp: 7001891

Ion	Ratio	Lower	Upper
146	100		
111	52.7	24.0	72.0
148	67.6	32.5	97.5





#77

1,2-Dichlorobenzene

Concen: 21.375 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL035405.D

Acq: 13 Aug 2020 17:46

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

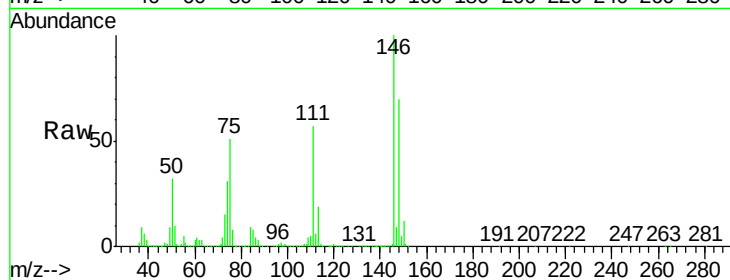
Tot Ion:146 Resp: 6783267

Ion Ratio Lower Upper

146 100

111 56.0 25.9 77.8

148 67.3 32.1 96.3



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

