

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081320\
 Data File : VL035402.D
 Acq On : 13 Aug 2020 15:33
 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 15:01:10 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	5.66	49	1346198	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3006329	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2976005	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2854488	11.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	118.80%

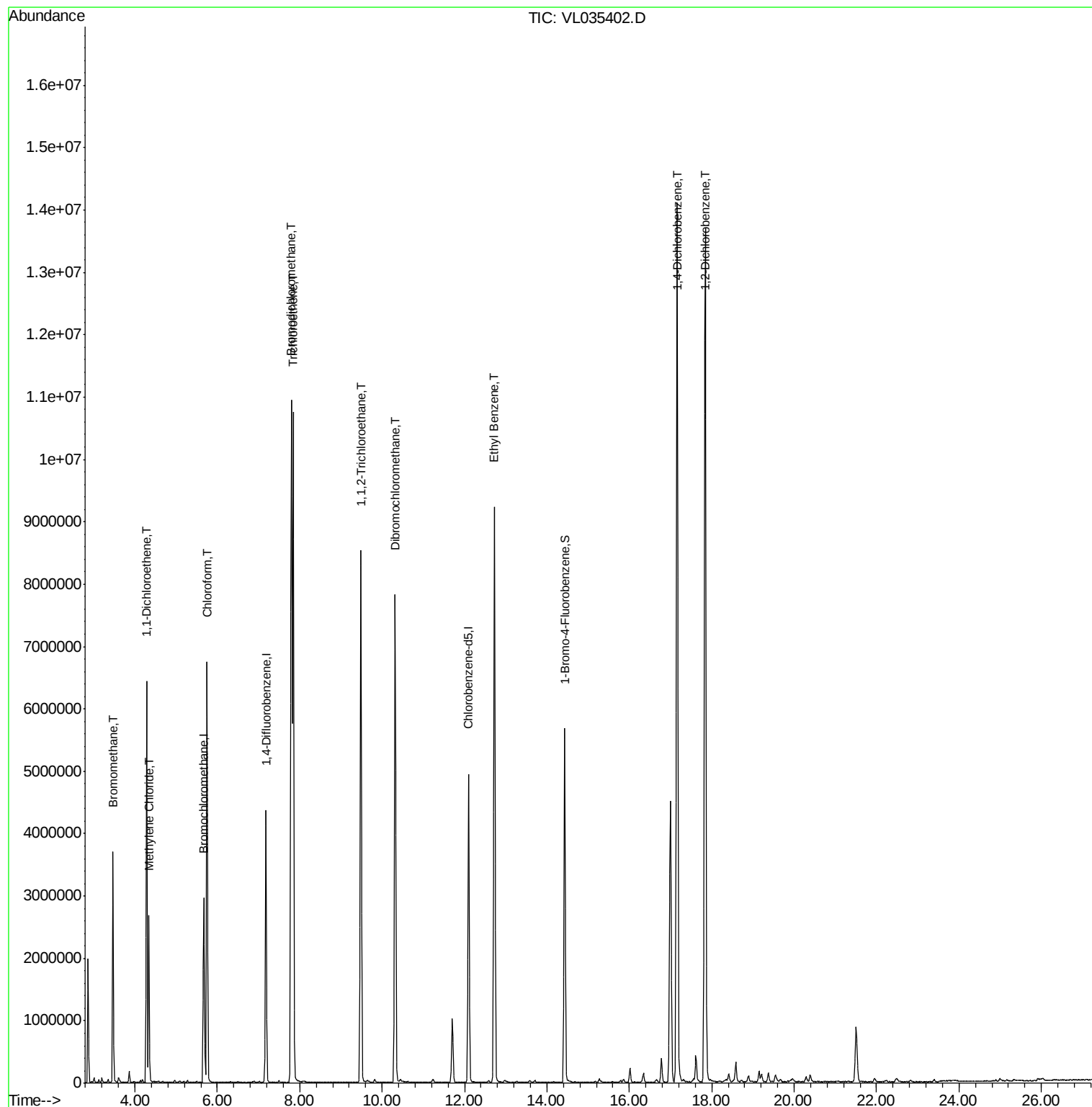
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.47	94	1866599	38.938	ppbv	99
18) 1,1-Dichloroethene	4.28	96	1799562	29.358	ppbv	94
20) Methylene Chloride	4.34	84	854961	13.353	ppbv	98
29) Chloroform	5.75	83	4628347	21.178	ppbv	95
38) Trichloroethene	7.84	130	3298472	29.196	ppbv	97
42) Bromodichloromethane	7.80	83	7510348	33.318	ppbv #	91
47) 1,1,2-Trichloroethane	9.48	97	3063609	26.460	ppbv	98
48) Dibromochloromethane	10.32	129	4790924	25.889	ppbv	99
58) Ethyl Benzene	12.73	91	8404822	17.869	ppbv	89
76) 1,4-Dichlorobenzene	17.16	146	7191672	28.063	ppbv	95
77) 1,2-Dichlorobenzene	17.84	146	6988314	27.782	ppbv	96

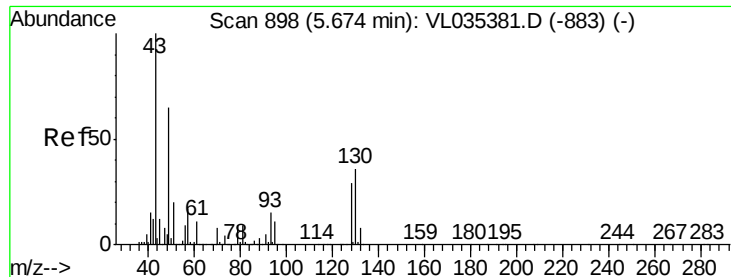
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081320\
Data File : VL035402.D
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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 15:01:10 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: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL035402.D

Acq: 13 Aug 2020 15:33

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

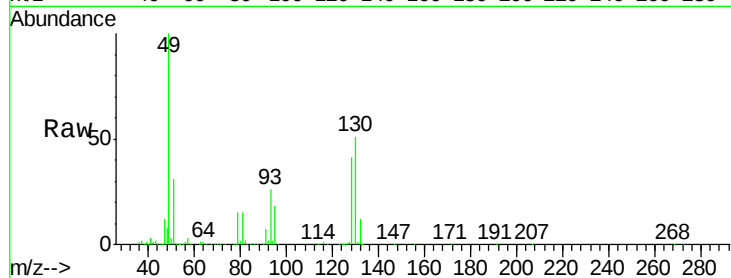
Tot Ion: 49 Resp: 1346198

Ion Ratio Lower Upper

49 100

128 42.1 21.8 65.3

130 53.0 27.9 83.6



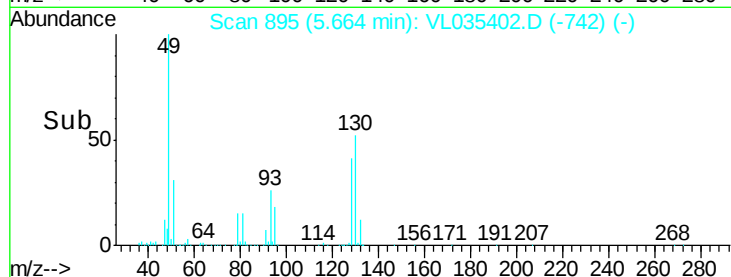
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

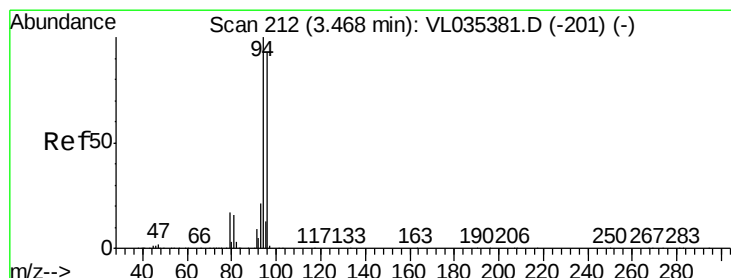
Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



Time-->



#6

Bromomethane

Concen: 38.938 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL035402.D

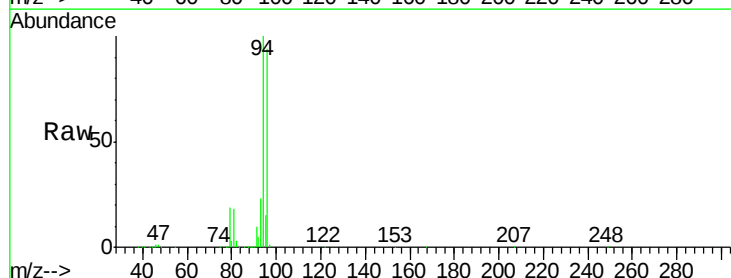
Acq: 13 Aug 2020 15:33

Tgt Ion: 94 Resp: 1866599

Ion Ratio Lower Upper

94 100

96 94.4 74.4 111.6

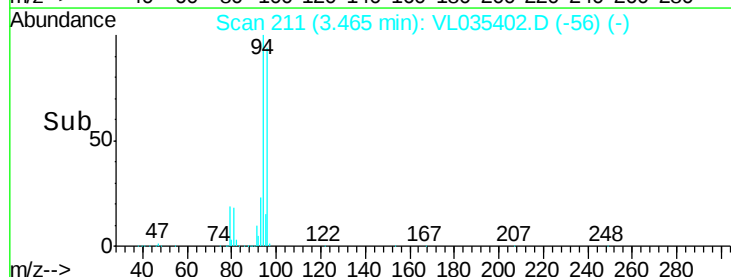


Abundance Ion 94.00 (93.70 to 94.70): VL0

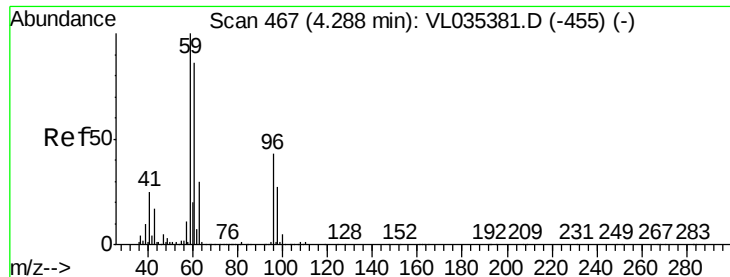
Ion 96.00 (95.70 to 96.70): VL0

3.47

Time-->



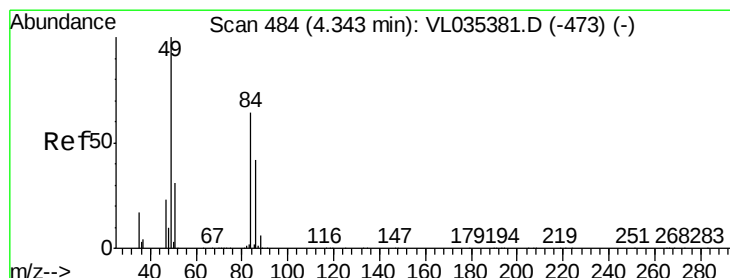
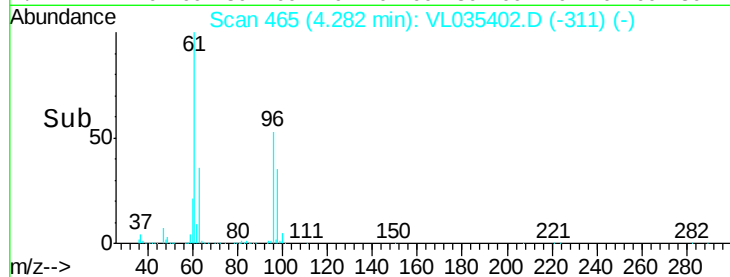
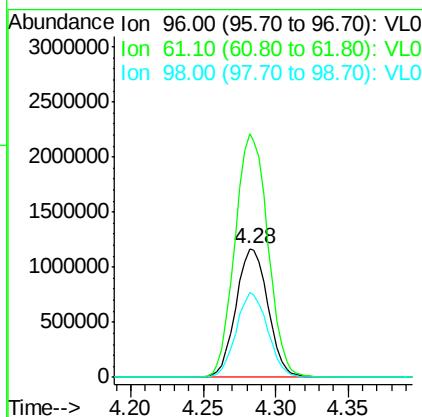
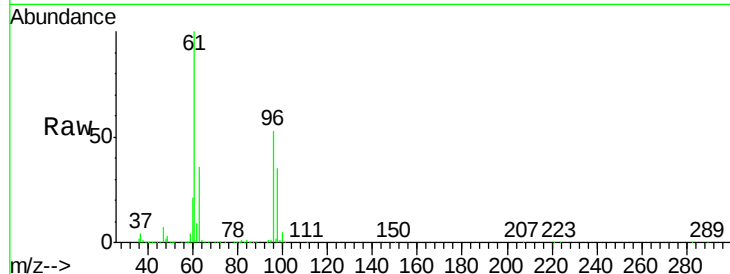
Time-->



#18
 1,1-Dichloroethene
 Concen: 29.358 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL035402.D
 Acq: 13 Aug 2020 15:33

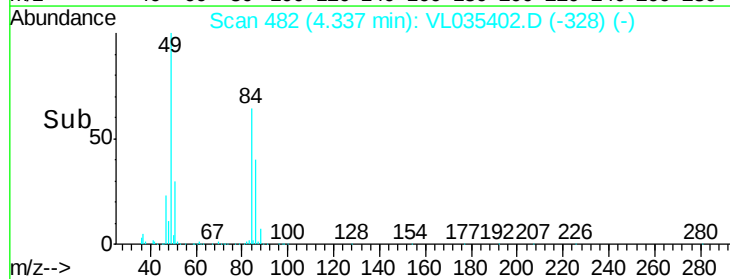
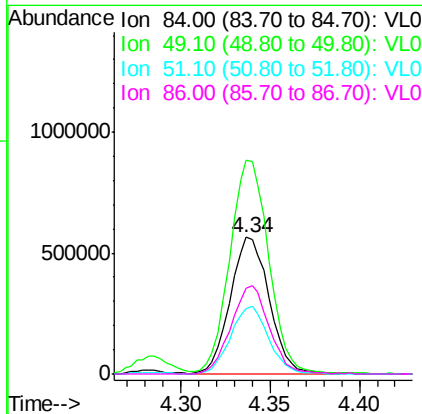
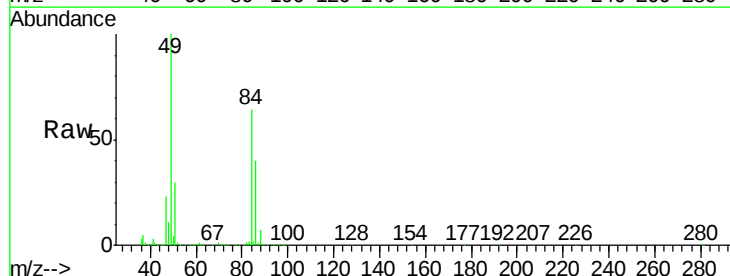
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

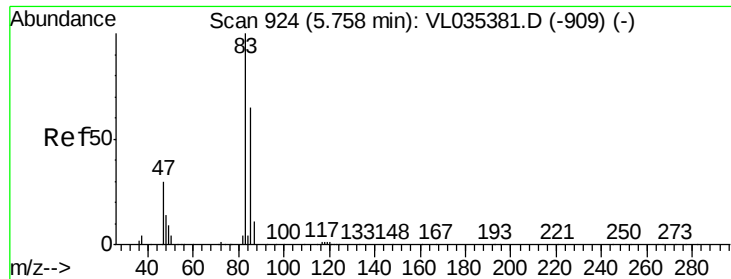
Tot Ion: 96 Resp: 1799562
 Ion Ratio Lower Upper
 96 100
 61 188.8 159.0 238.4
 98 65.6 50.3 75.5



#20
 Methylene Chloride
 Concen: 13.353 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL035402.D
 Acq: 13 Aug 2020 15:33

Tgt Ion: 84 Resp: 854961
 Ion Ratio Lower Upper
 84 100
 49 155.6 125.7 188.5
 51 47.5 38.5 57.7
 86 63.3 52.4 78.6





#29

Chloroform

Concen: 21.178 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.01 min

Lab File: VL035402.D

Acq: 13 Aug 2020 15:33

Instrument :

MSVOA_L

ClientSampleId :

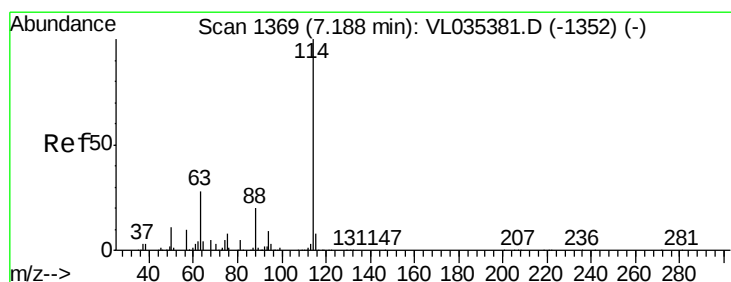
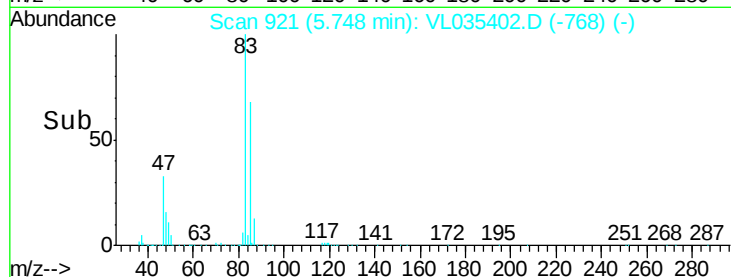
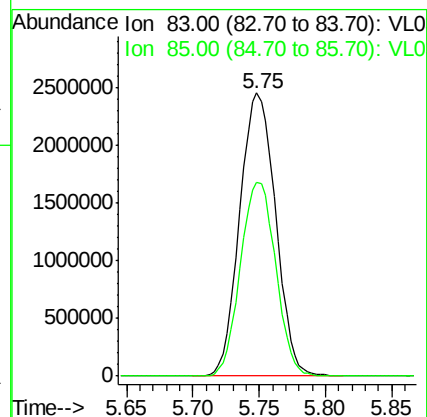
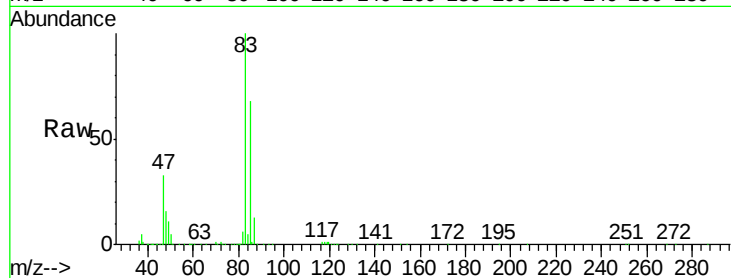
E053-1100

Tot Ion: 83 Resp: 4628347

Ion Ratio Lower Upper

83 100

85 68.3 51.7 77.5



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035402.D

Acq: 13 Aug 2020 15:33

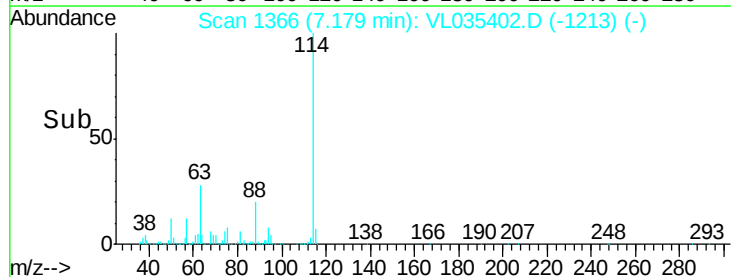
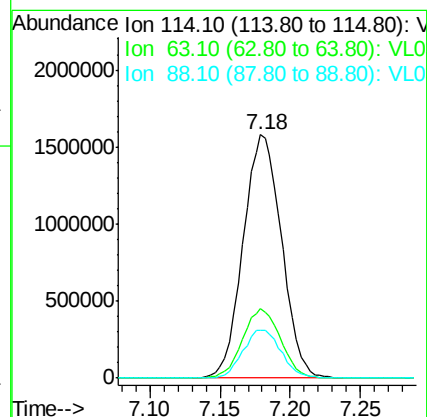
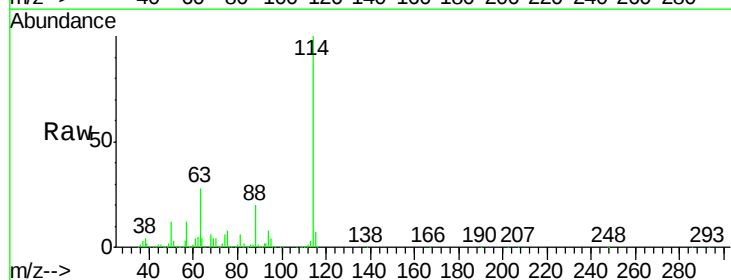
Tgt Ion: 114 Resp: 3006329

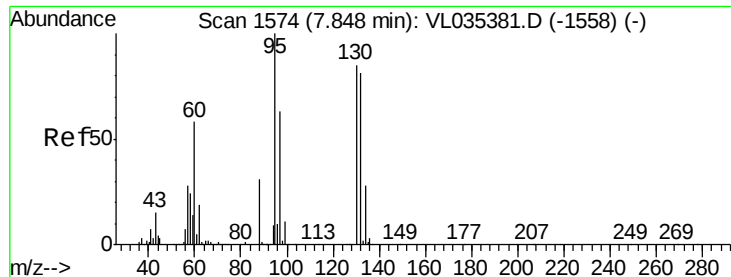
Ion Ratio Lower Upper

114 100

63 28.2 21.5 32.3

88 19.7 15.6 23.4





#38

Trichloroethene

Concen: 29.196 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL035402.D

Acq: 13 Aug 2020 15:33

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

Tot Ion:130 Resp: 3298472

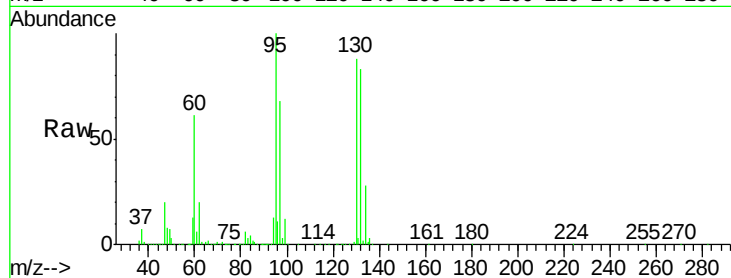
Ion Ratio Lower Upper

130 100

95 113.8 94.2 141.4

132 94.8 76.6 114.8

97 77.1 59.3 88.9

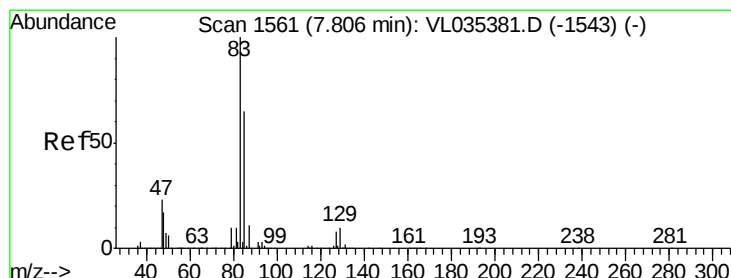
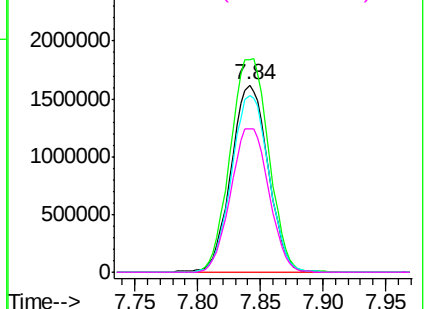
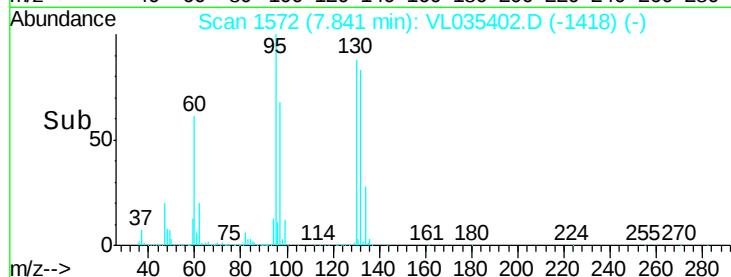


Abundance Ion 130.00 (129.70 to 130.70): V

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: 33.318 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VL035402.D

Acq: 13 Aug 2020 15:33

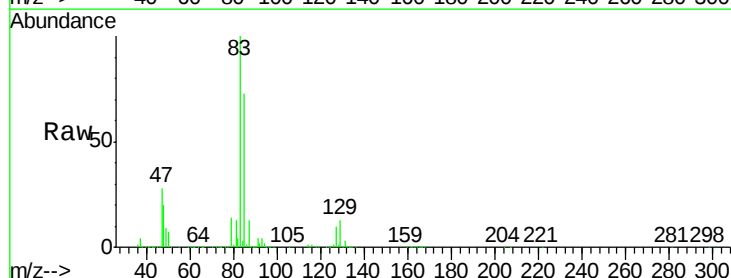
Tgt Ion: 83 Resp: 7510348

Ion Ratio Lower Upper

83 100

85 73.0 52.2 78.4

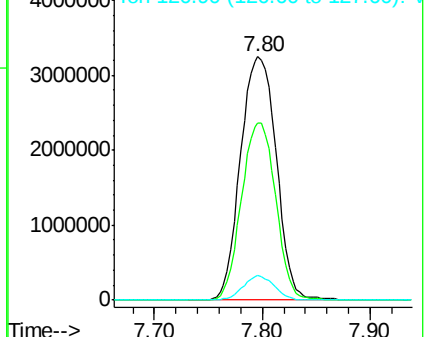
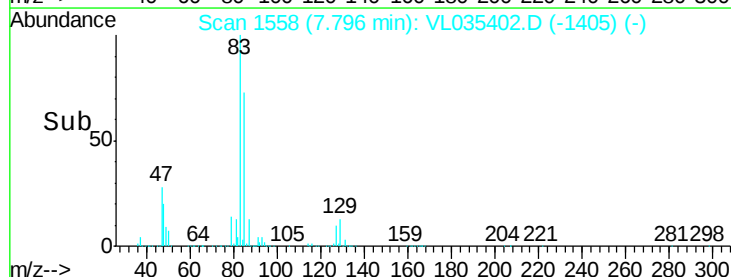
127 10.3 6.3 9.5#

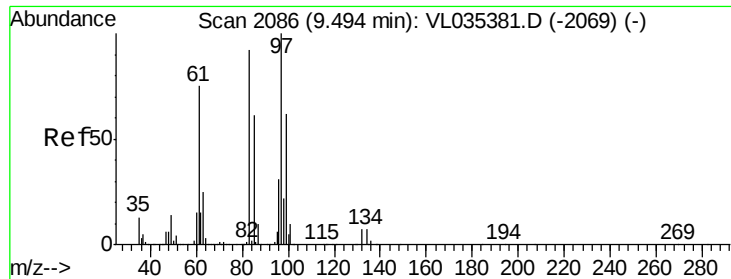


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



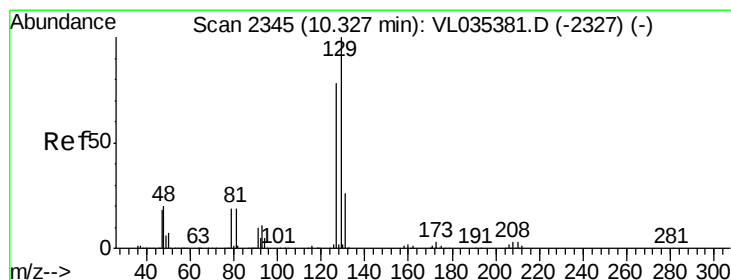
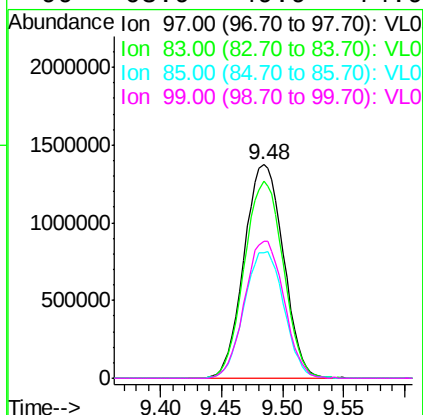
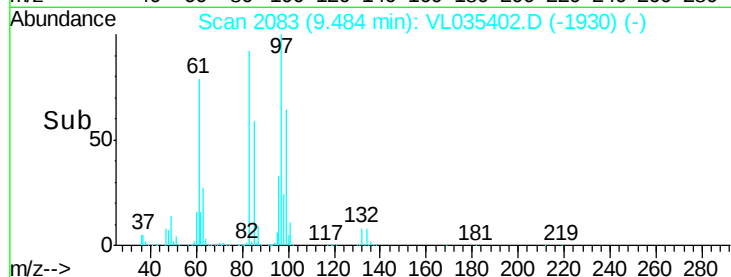
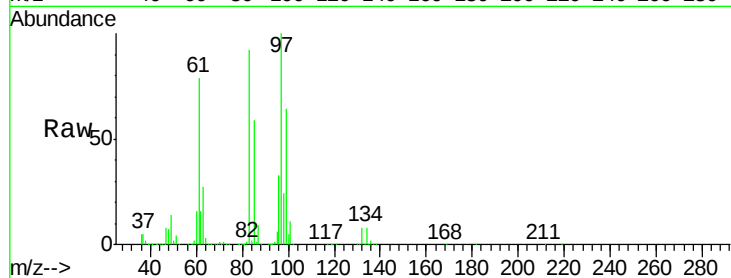


#47
 1,1,2-Trichloroethane
 Concen: 26.460 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL035402.D
 Acq: 13 Aug 2020 15:33

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

Tot Ion: 97 Resp: 3063609

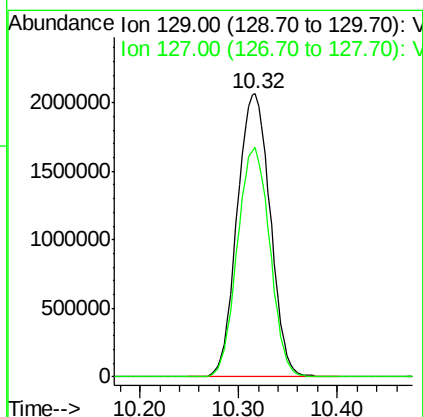
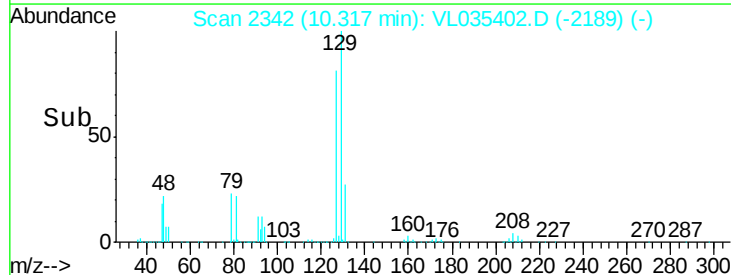
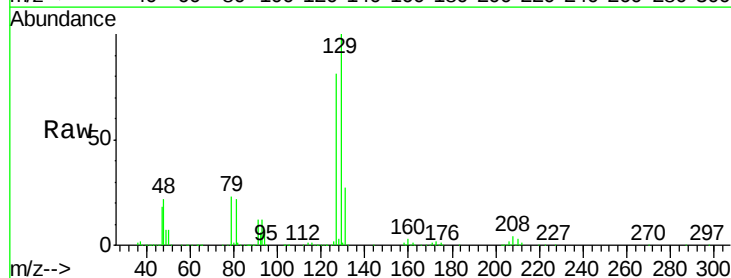
Ion	Ratio	Lower	Upper
97	100		
83	92.2	73.9	110.9
85	58.9	49.0	73.6
99	63.9	49.9	74.9

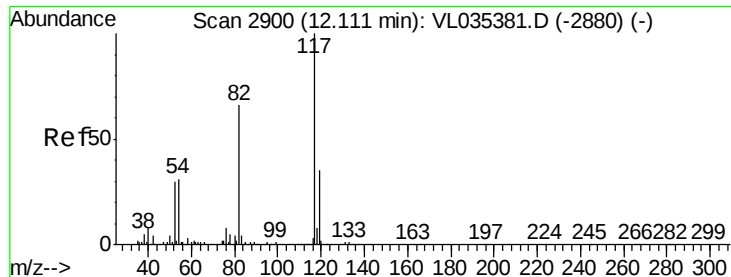


#48
 Dibromochloromethane
 Concen: 25.889 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035402.D
 Acq: 13 Aug 2020 15:33

Tgt Ion: 129 Resp: 4790924

Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.3	117.8

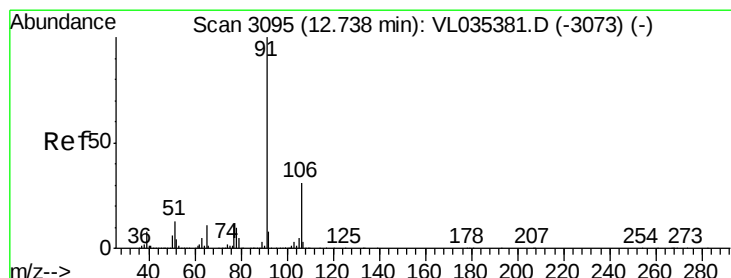
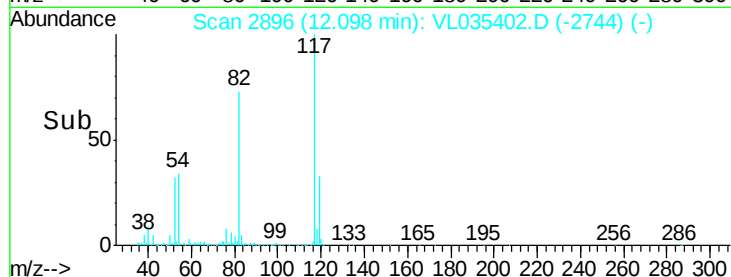
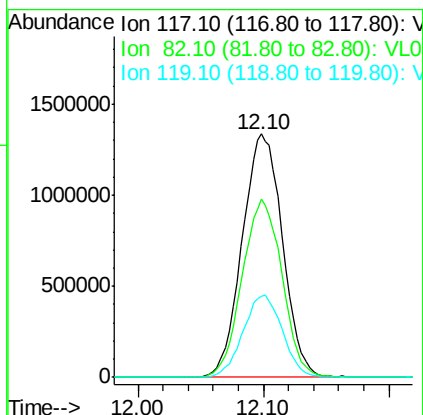
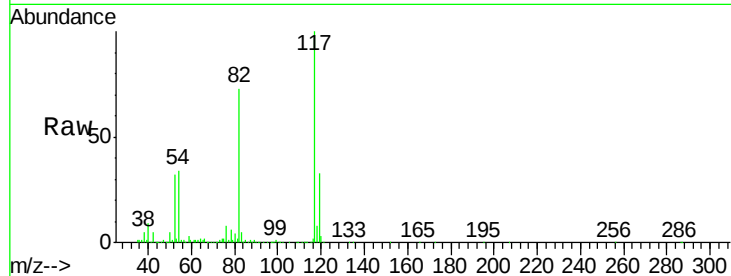




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL035402.D
Acq: 13 Aug 2020 15:33

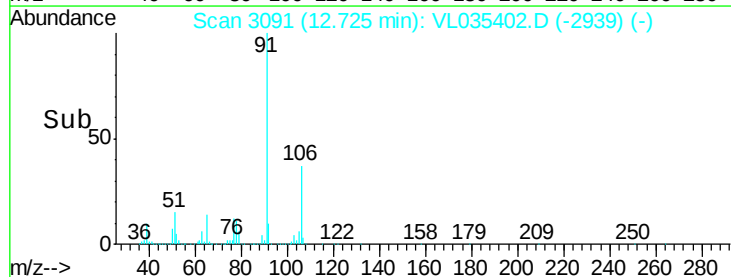
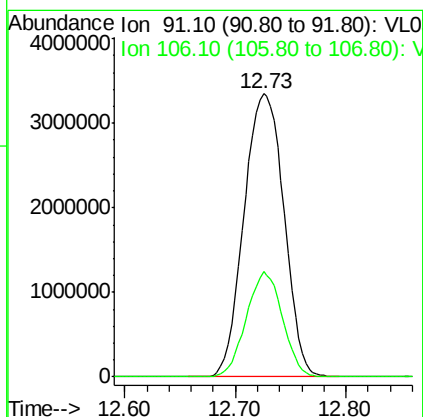
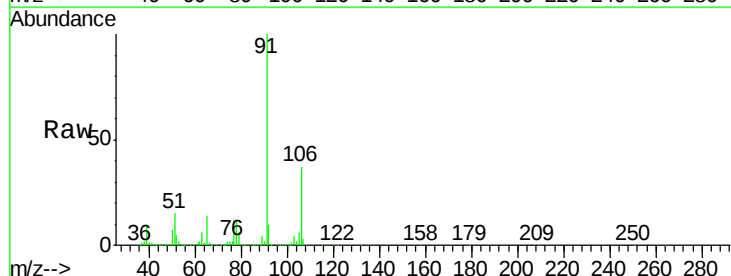
Instrument :
MSVOA_L
ClientSampleId :
E053-1100

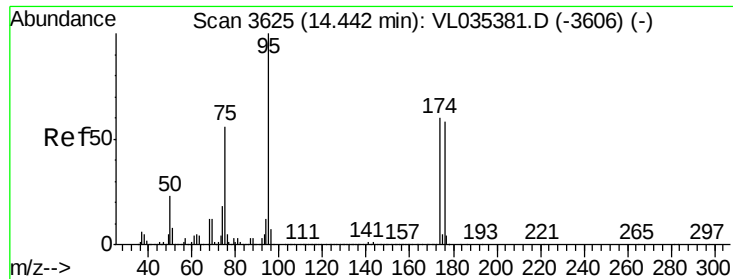
Tot Ion:117 Resp: 2976005
Ion Ratio Lower Upper
117 100
82 72.5 53.0 79.6
119 33.1 25.7 38.5



#58
Ethyl Benzene
Concen: 17.869 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035402.D
Acq: 13 Aug 2020 15:33

Tgt Ion: 91 Resp: 8404822
Ion Ratio Lower Upper
91 100
106 37.3 25.1 37.7

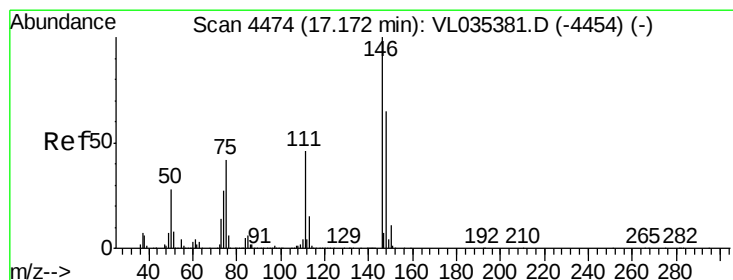
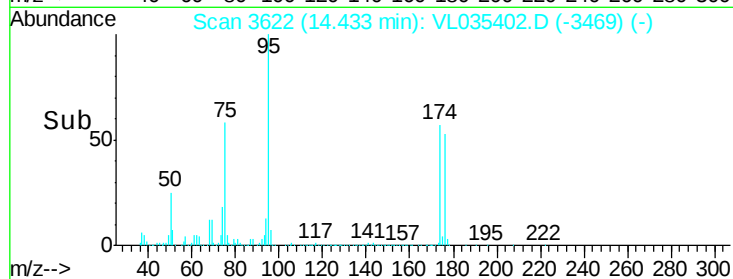
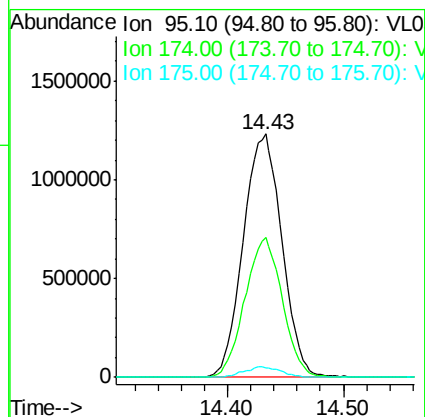
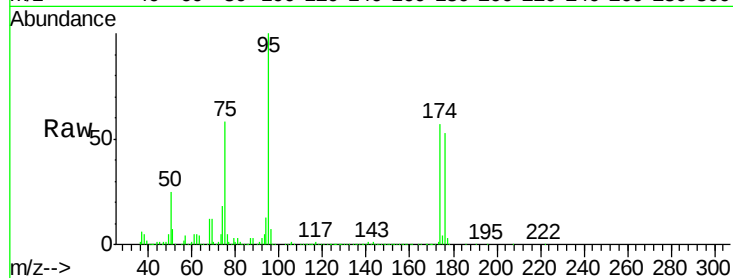




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.879 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL035402.D
 Acq: 13 Aug 2020 15:33

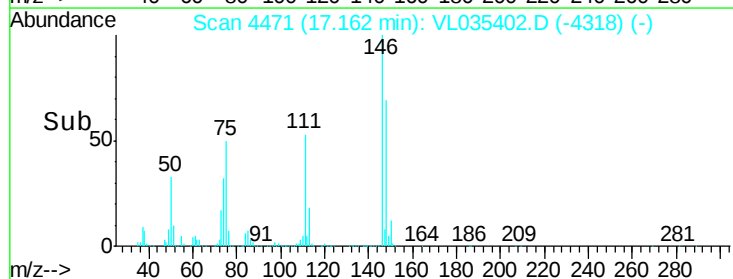
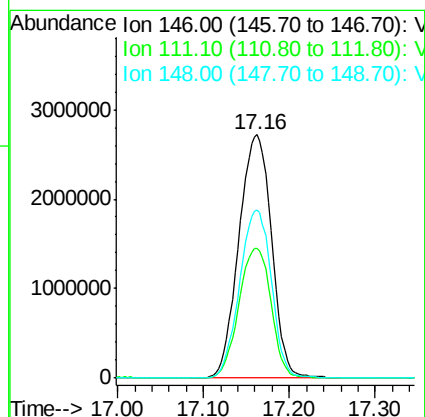
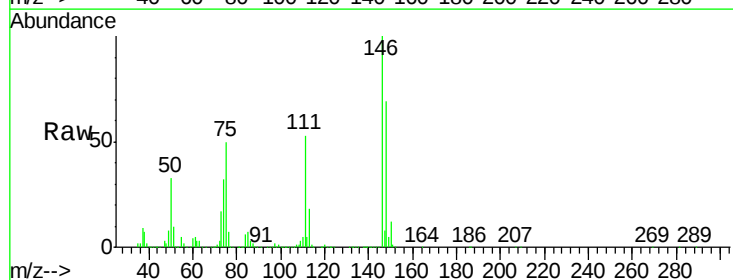
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

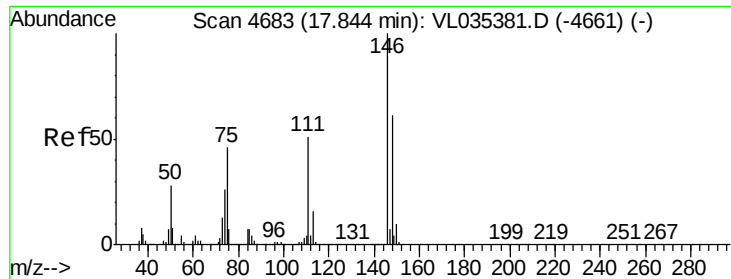
Tot Ion: 95 Resp: 2854488
 Ion Ratio Lower Upper
 95 100
 174 55.6 48.2 72.2
 175 4.2 3.7 5.5



#76
 1,4-Dichlorobenzene
 Concen: 28.063 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL035402.D
 Acq: 13 Aug 2020 15:33

Tgt Ion: 146 Resp: 7191672
 Ion Ratio Lower Upper
 146 100
 111 52.6 24.0 72.0
 148 67.4 32.5 97.5





#77

1,2-Dichlorobenzene

Concen: 27.782 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL035402.D

Acq: 13 Aug 2020 15:33

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

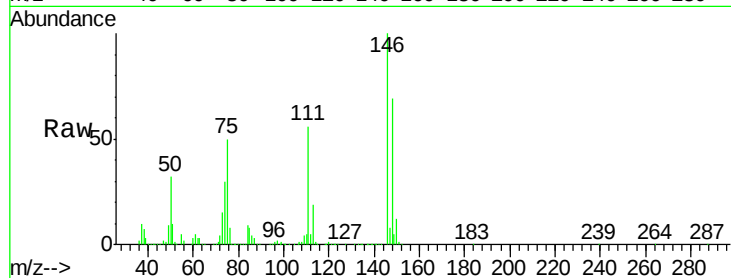
Tot Ion:146 Resp: 6988314

Ion Ratio Lower Upper

146 100

111 55.7 25.9 77.8

148 67.1 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

