

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035260.D
 Acq On : 30 Jul 2020 00:11
 Operator : SY/AP
 Sample : L3463-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:54:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1163509	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2847363	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2670536	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2145324	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

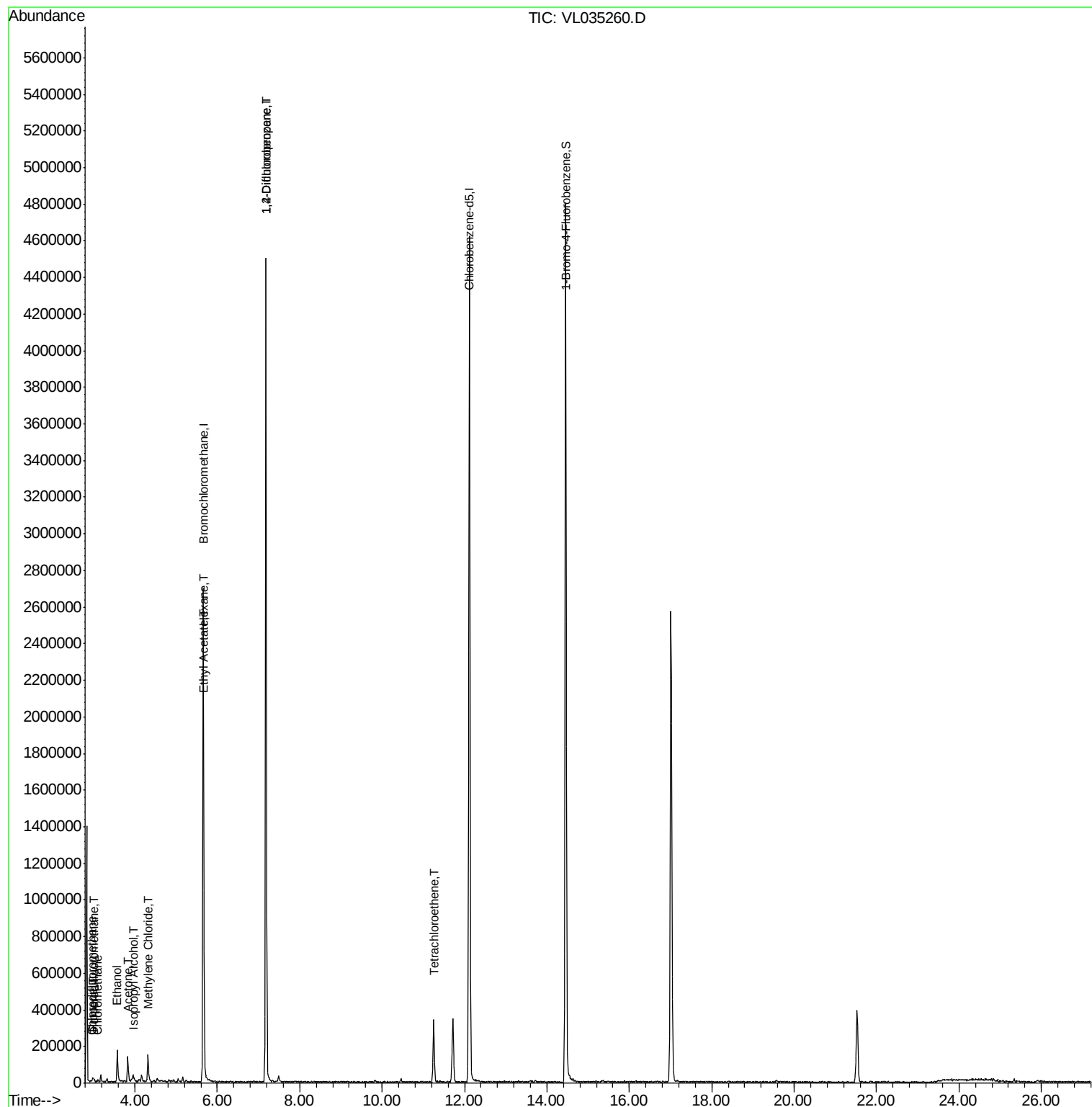
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	7653	0.055	ppbv	95
3) Chlorodifluoromethane	2.95	51	8666	0.067	ppbv	98
4) Chloromethane	3.10	50	5107	0.070	ppbv #	58
9) Propene	2.97	41	1819	0.041	ppbv #	1
13) Ethanol	3.57	45	165457	9.055	ppbv	95
15) Acetone	3.83	43	124642	0.803	ppbv	93
19) Isopropyl Alcohol	3.96	45	17205	0.168	ppbv #	61
20) Methylene Chloride	4.33	84	50050	0.708	ppbv #	76
25) Ethyl Acetate	5.68	43	10707	0.044	ppbv #	86
26) Hexane	5.67	57	8071	0.074	ppbv #	35
39) 1,2-Dichloropropane	7.18	63	785693	9.951	ppbv #	23
52) Tetrachloroethene	11.25	164	80445	1.065	ppbv	90

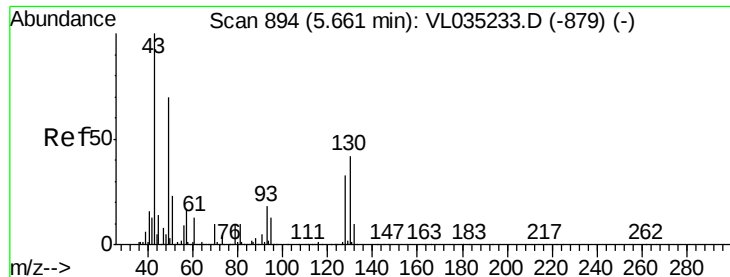
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 30 02:54:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL035260.D

Acq: 30 Jul 2020 00:11

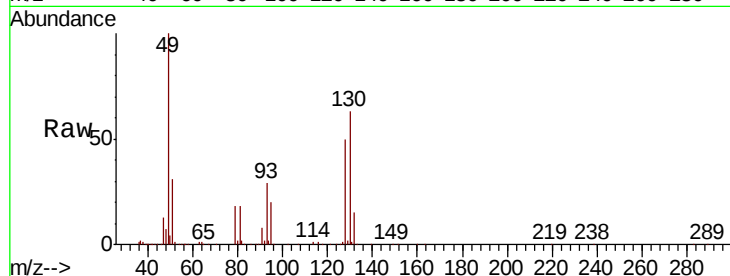
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1163509

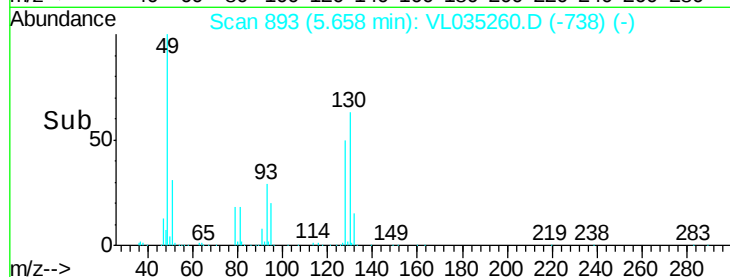
Ion	Ratio	Lower	Upper
49	100		
128	50.5	24.0	72.0
130	64.3	30.7	92.1



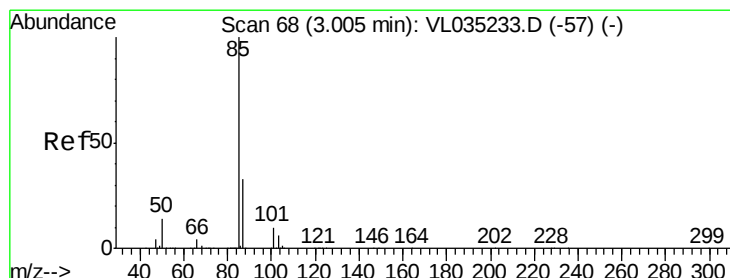
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.055 ppbv

RT: 3.01 min Scan# 69

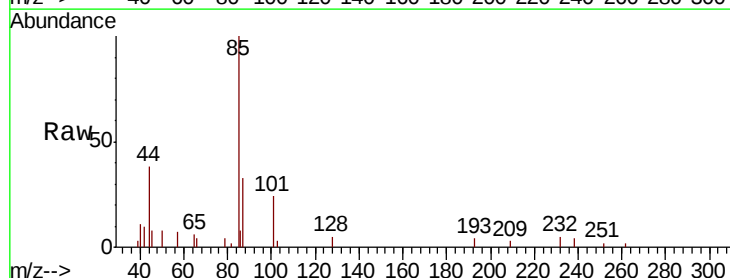
Delta R.T. 0.00 min

Lab File: VL035260.D

Acq: 30 Jul 2020 00:11

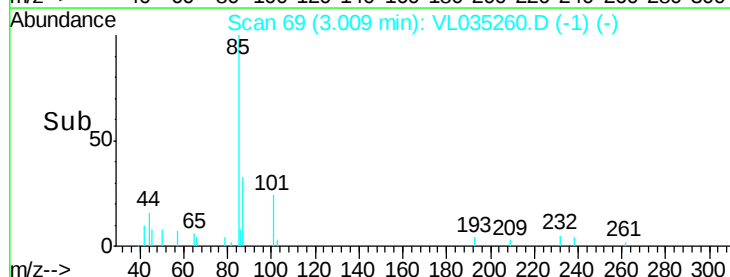
Tgt Ion: 85 Resp: 7653

Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.7	40.1

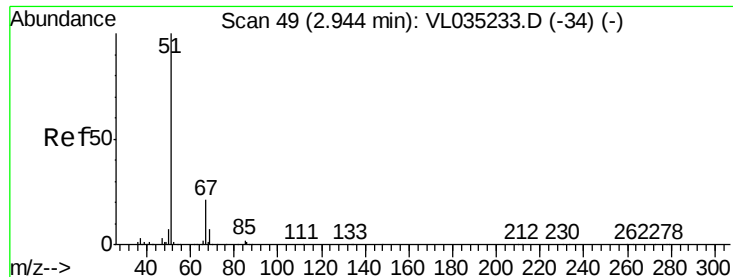


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



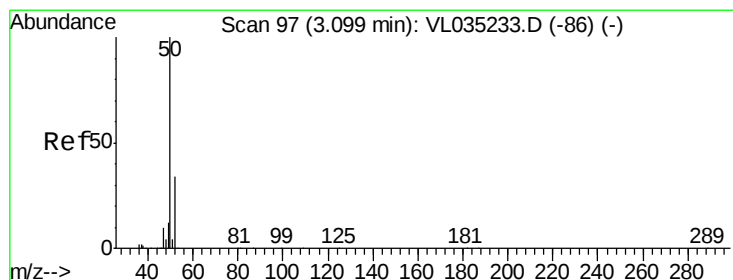
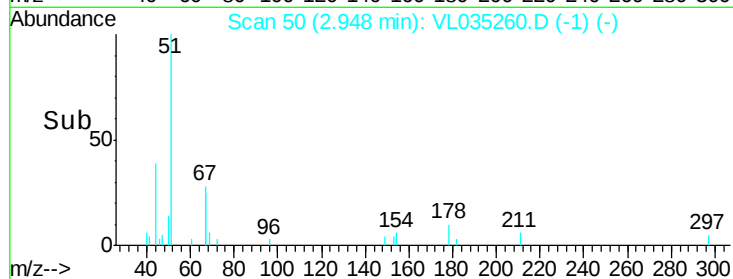
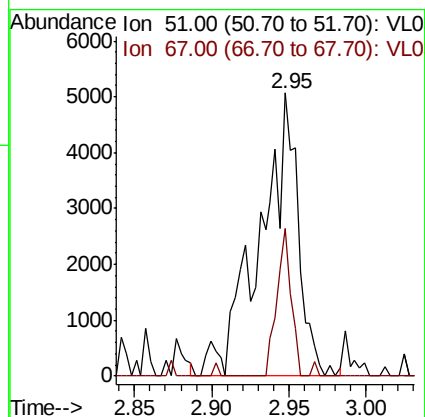
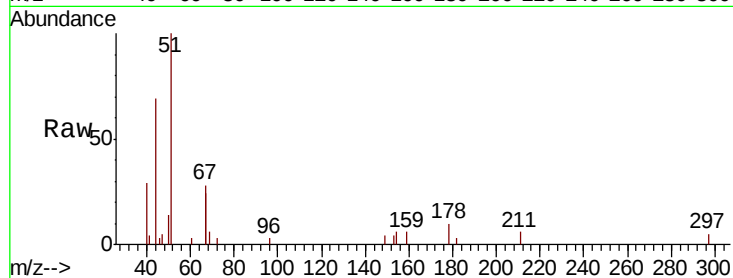
Time-->



#3
Chlorodifluoromethane
Concen: 0.067 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

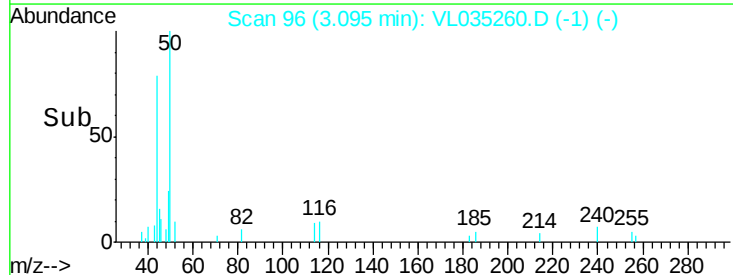
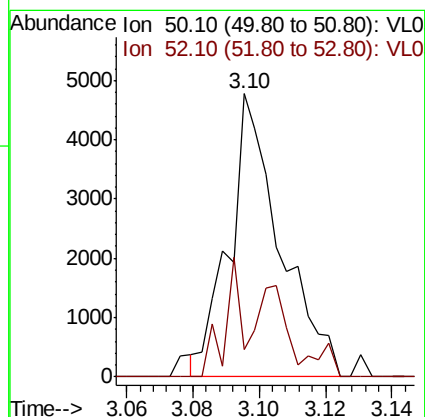
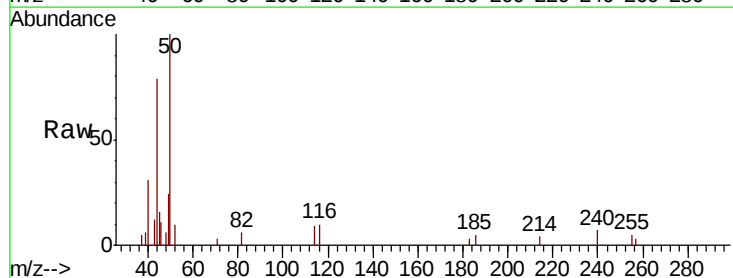
Instrument :
MSVOA_L
ClientSampled :

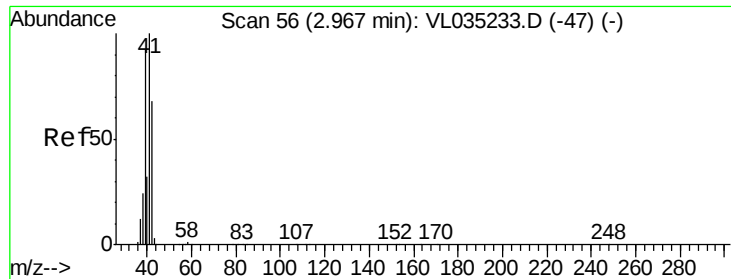
Tot Ion: 51 Resp: 8666
Ion Ratio Lower Upper
51 100
67 19.7 16.6 25.0



#4
Chloromethane
Concen: 0.070 ppbv
RT: 3.10 min Scan# 96
Delta R.T. -0.00 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

Tgt Ion: 50 Resp: 5107
Ion Ratio Lower Upper
50 100
52 9.8 27.1 40.7#





#9

Propene

Concen: 0.041 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL035260.D

Acq: 30 Jul 2020 00:11

Instrument :

MSVOA_L

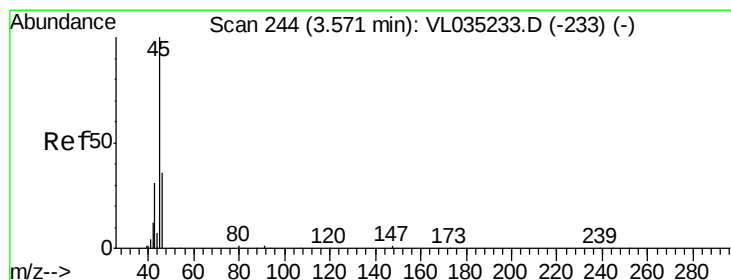
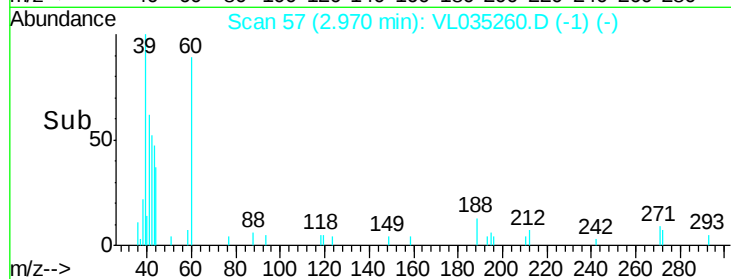
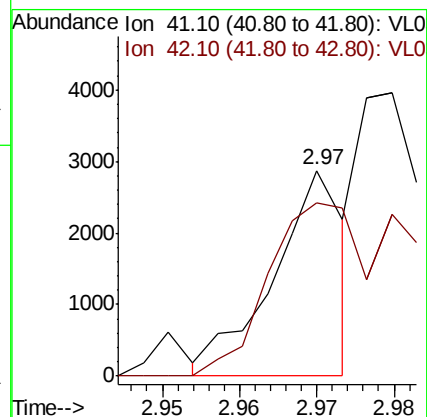
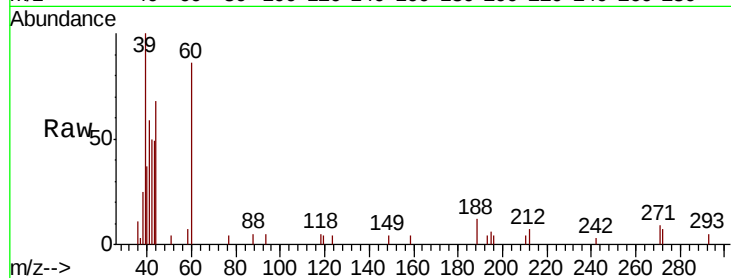
ClientSampleId :

Tot Ion: 41 Resp: 1819

Ion Ratio Lower Upper

41 100

42 212.2 55.0 82.6#



#13

Ethanol

Concen: 9.055 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035260.D

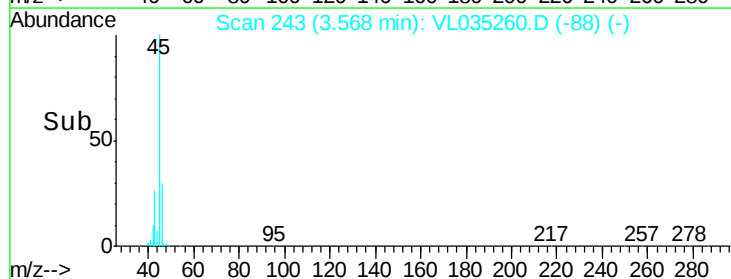
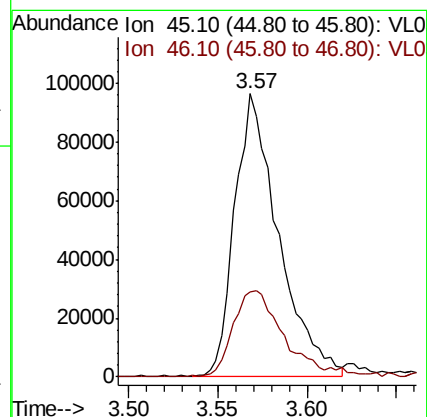
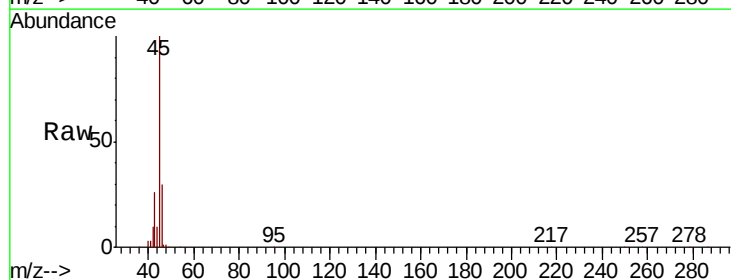
Acq: 30 Jul 2020 00:11

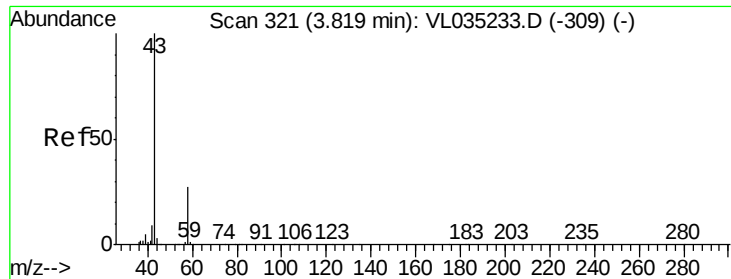
Tgt Ion: 45 Resp: 165457

Ion Ratio Lower Upper

45 100

46 36.7 15.8 63.4

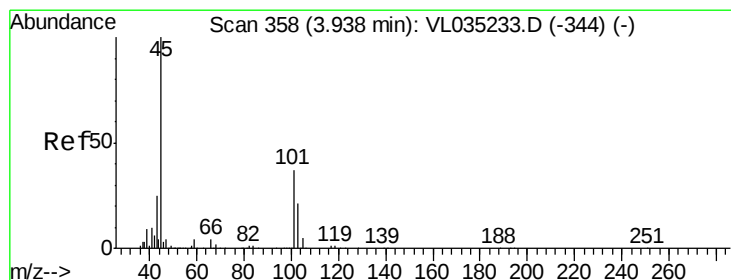
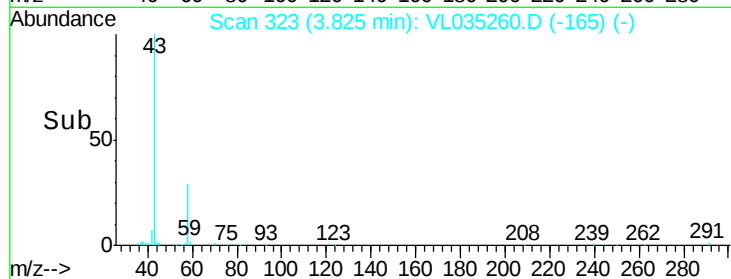
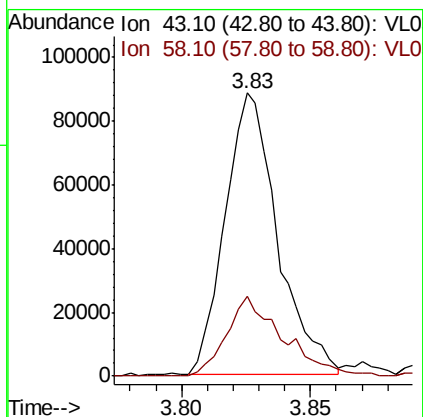
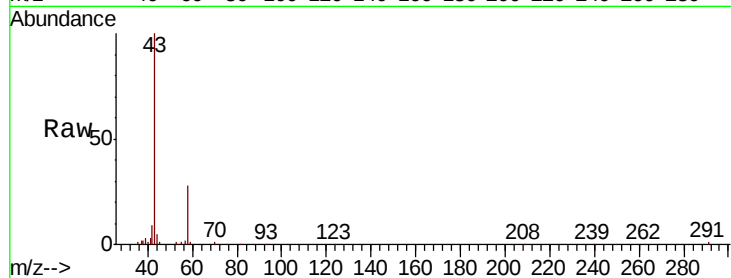




#15
Acetone
Concen: 0.803 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.01 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

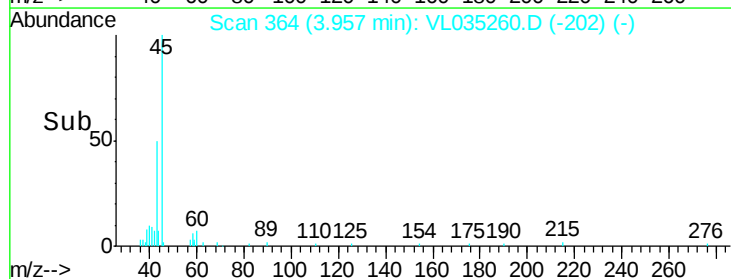
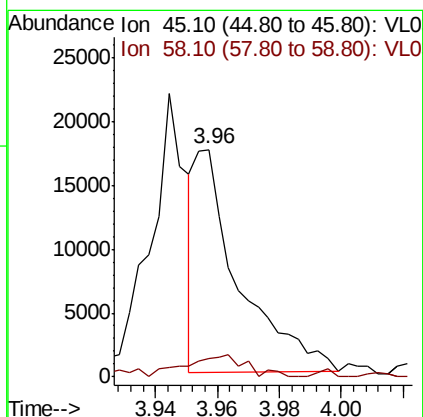
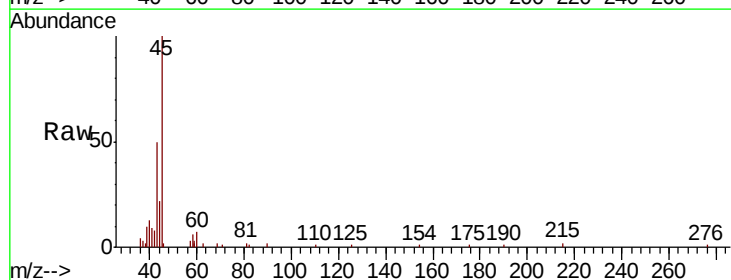
Instrument :
MSVOA_L
ClientSampleId :

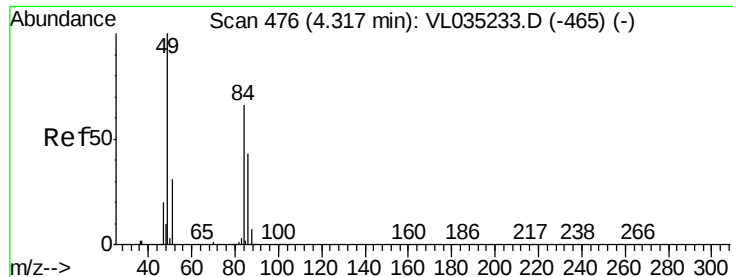
Tot Ion: 43 Resp: 124642
Ion Ratio Lower Upper
43 100
58 30.9 21.8 32.6



#19
Isopropyl Alcohol
Concen: 0.168 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

Tgt Ion: 45 Resp: 17205
Ion Ratio Lower Upper
45 100
58 15.6 1.9 2.9#

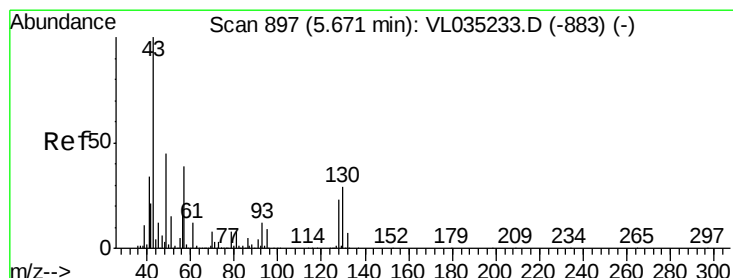
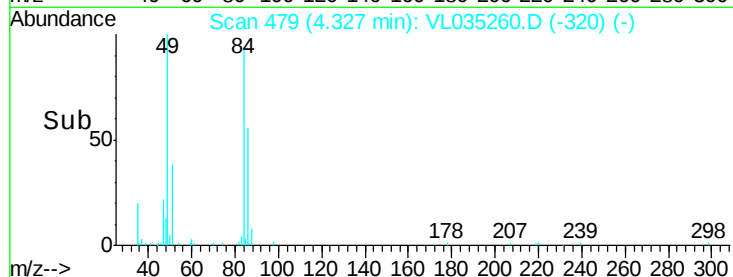
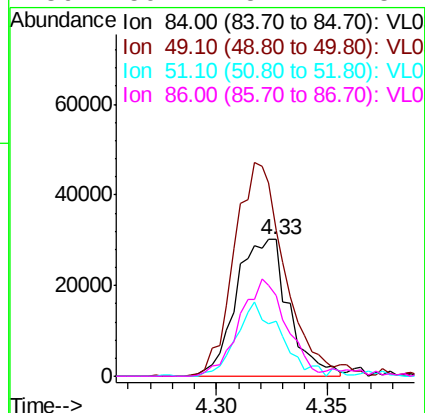
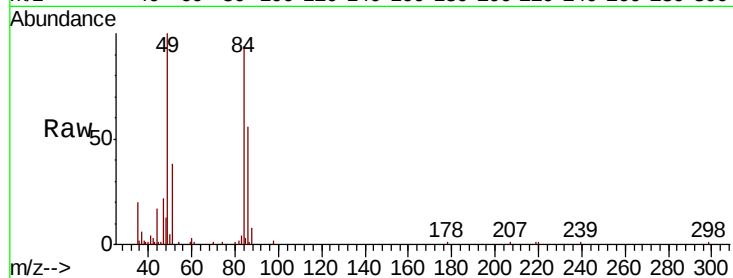




#20
Methylene Chloride
Concen: 0.708 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

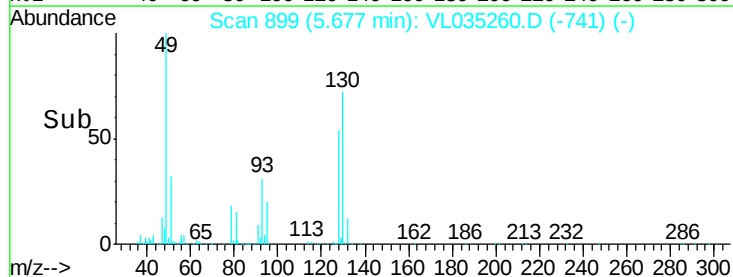
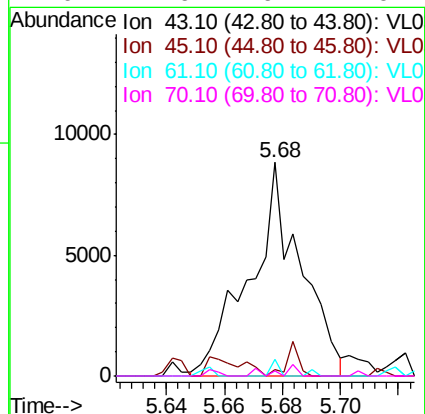
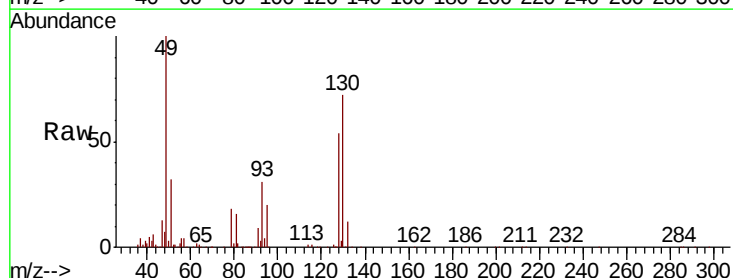
Instrument :
MSVOA_L
ClientSampled :

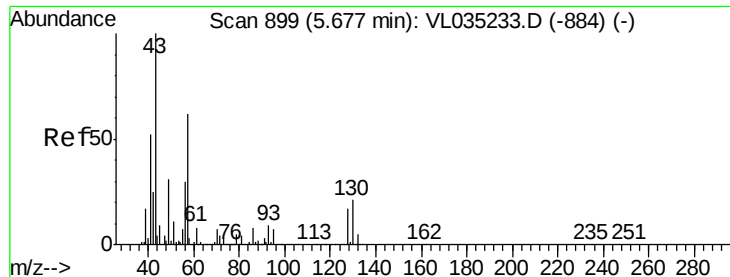
Tot Ion: 84 Resp: 50050
Ion Ratio Lower Upper
84 100
49 105.4 121.0 181.4#
51 40.3 37.7 56.5
86 59.1 52.2 78.4



#25
Ethyl Acetate
Concen: 0.044 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

Tgt Ion: 43 Resp: 10707
Ion Ratio Lower Upper
43 100
45 9.8 8.5 12.7
61 0.5 8.1 12.1#
70 2.6 6.2 9.4#





#26

Hexane

Concen: 0.074 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL035260.D

Acq: 30 Jul 2020 00:11

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 8071

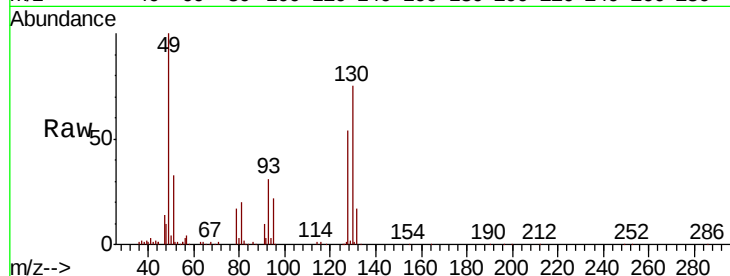
Ion Ratio Lower Upper

57 100

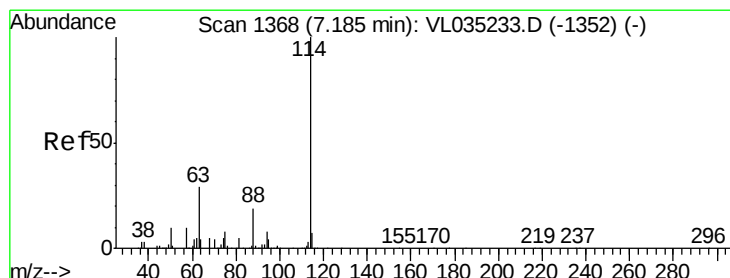
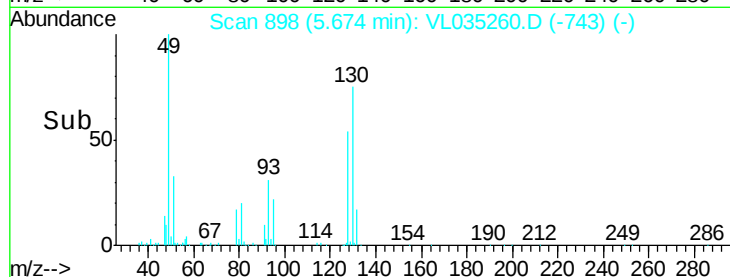
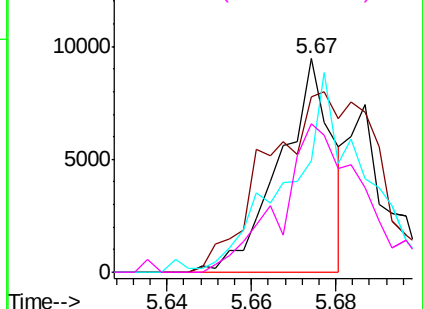
41 187.9 73.9 110.9#

43 146.1 177.6 266.4#

56 111.3 43.0 64.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035260.D

Acq: 30 Jul 2020 00:11

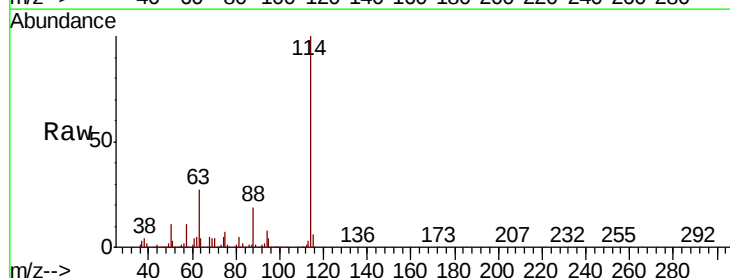
Tgt Ion: 114 Resp: 2847363

Ion Ratio Lower Upper

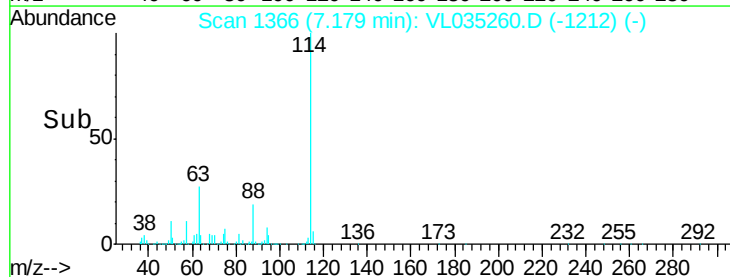
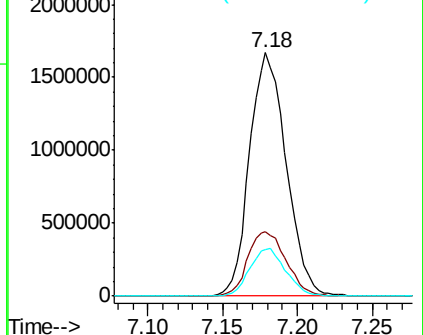
114 100

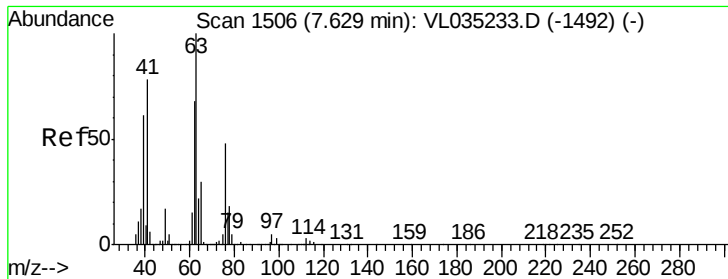
63 27.7 22.2 33.2

88 19.2 15.4 23.0



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





#39

1,2-Dichloropropane

Concen: 9.951 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.45 min

Lab File: VL035260.D

Acq: 30 Jul 2020 00:11

Instrument :
MSVOA_L
ClientSampleId :

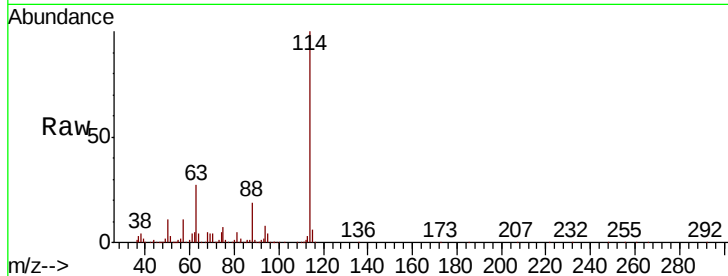
Tot Ion: 63 Resp: 785693

Ion Ratio Lower Upper

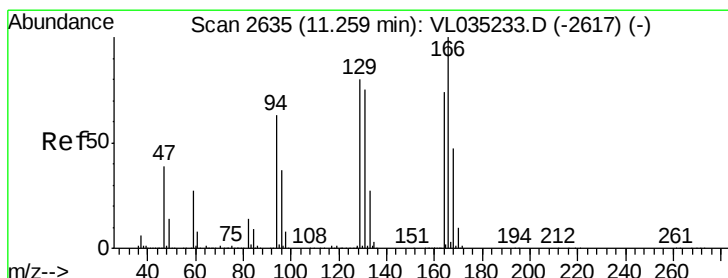
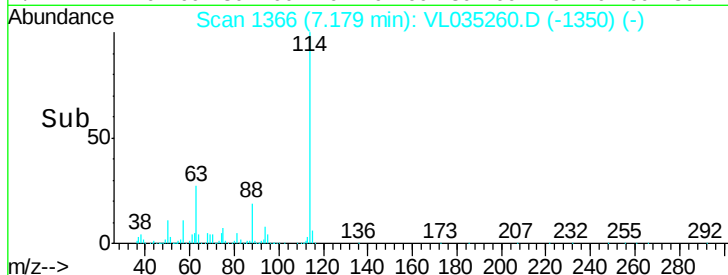
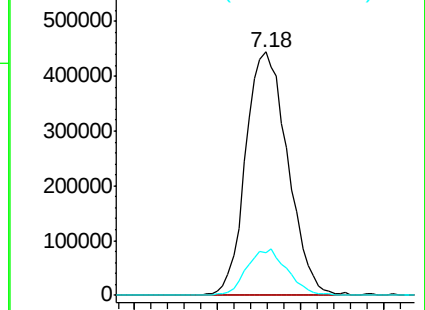
63 100

41 0.0 62.2 93.4#

62 17.4 54.2 81.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#52

Tetrachloroethene

Concen: 1.065 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. -0.01 min

Lab File: VL035260.D

Acq: 30 Jul 2020 00:11

Tgt Ion:164 Resp: 80445

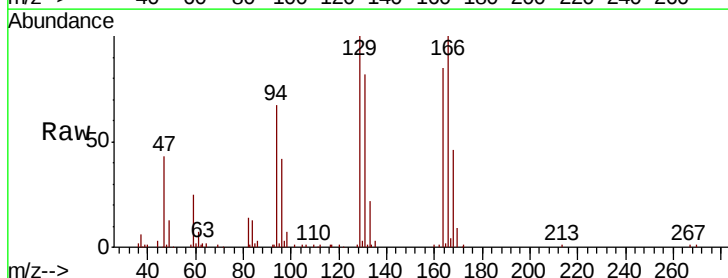
Ion Ratio Lower Upper

164 100

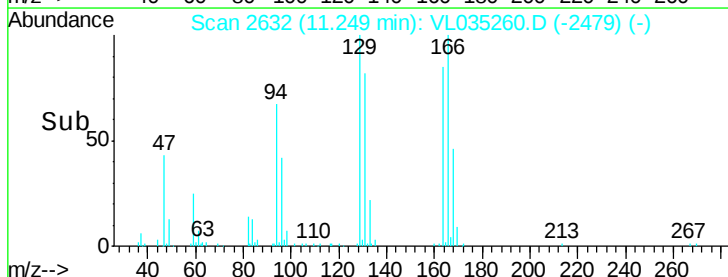
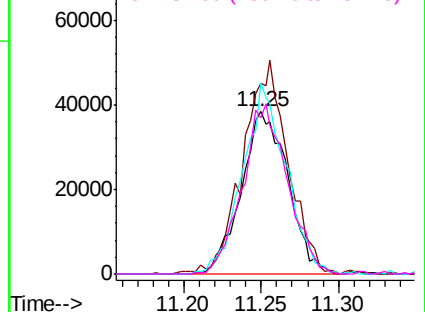
166 117.5 107.5 161.3

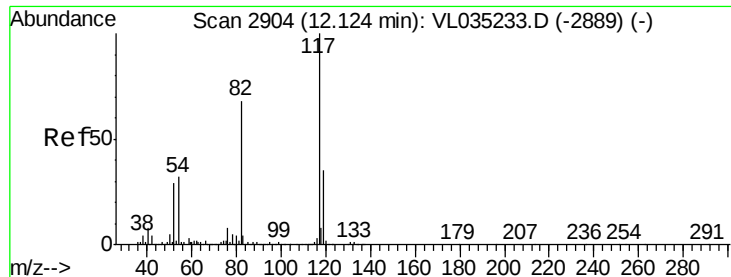
129 117.3 86.0 129.0

131 96.1 80.3 120.5



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

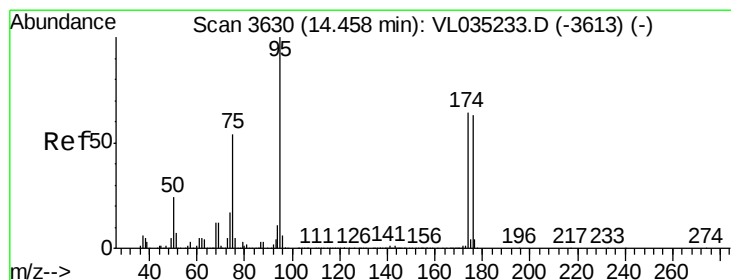
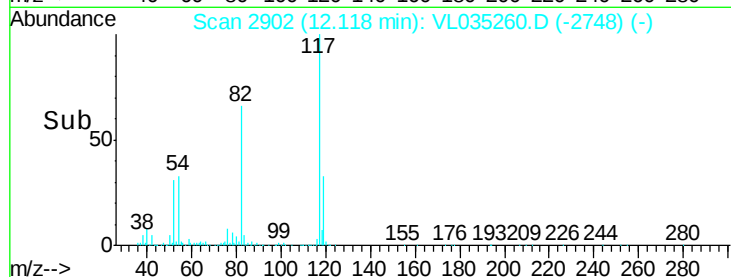
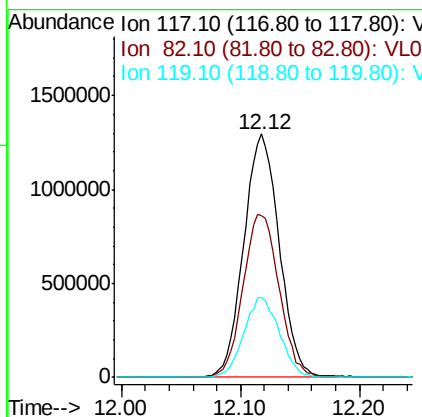
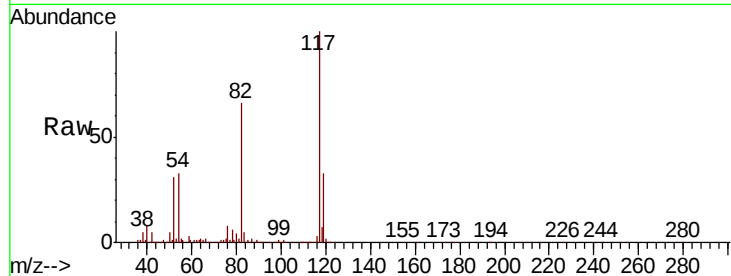




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2670536
Ion Ratio Lower Upper
117 100
82 68.4 52.4 78.6
119 33.1 24.6 36.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.053 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.01 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

Tgt Ion: 95 Resp: 2145324
Ion Ratio Lower Upper
95 100
174 65.0 52.7 79.1
175 4.7 3.9 5.9

