

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035051.D
 Acq On : 19 May 2020 19:37
 Operator : SY/AP
 Sample : L2683-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 04:46:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1131462	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2546255	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2452364	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2111656	10.64	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.40%

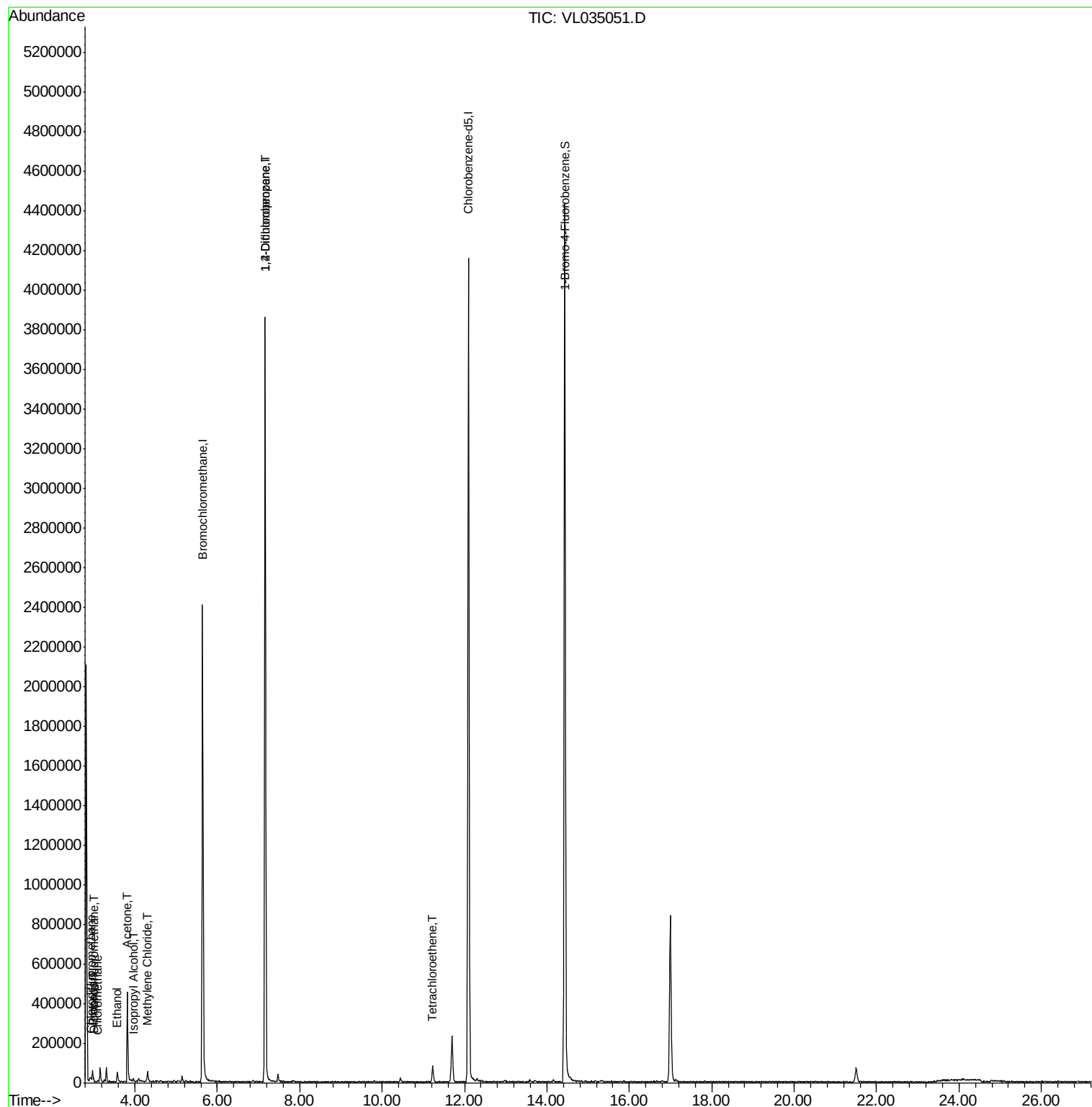
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	9813	0.061	ppbv #	85
3) Chlorodifluoromethane	2.93	51	18203	0.141	ppbv #	79
4) Chloromethane	3.10	50	4007	0.054	ppbv	99
9) Propene	2.96	41	5514	0.098	ppbv #	21
13) Ethanol	3.57	45	21343	1.154	ppbv #	39
15) Acetone	3.81	43	469801	3.141	ppbv	100
19) Isopropyl Alcohol	3.95	45	11076	0.111	ppbv #	94
20) Methylene Chloride	4.31	84	12423	0.251	ppbv #	76
39) 1,2-Dichloropropane	7.16	63	726802	8.636	ppbv #	25
52) Tetrachloroethene	11.23	164	9570	0.128	ppbv	92

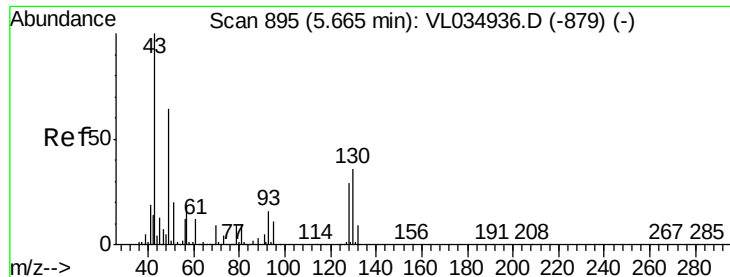
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035051.D

Acq: 19 May 2020 19:37

Instrument :
MSVOA_L
ClientSampleId :

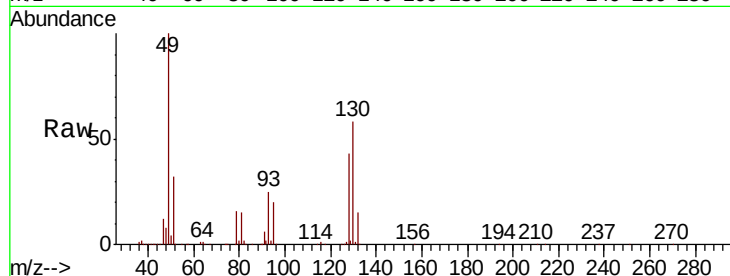
Tot Ion: 49 Resp: 1131462

Ion Ratio Lower Upper

49 100

128 44.9 22.1 66.5

130 58.0 29.1 87.3



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

5.64

800000

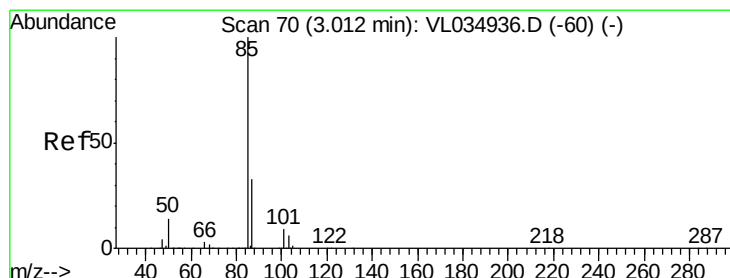
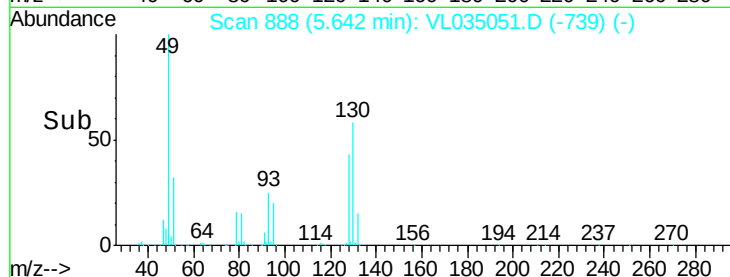
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.061 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL035051.D

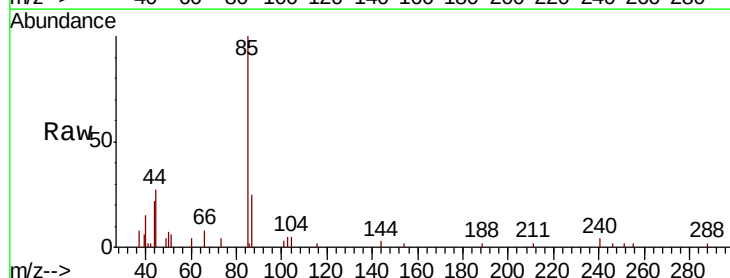
Acq: 19 May 2020 19:37

Tgt Ion: 85 Resp: 9813

Ion Ratio Lower Upper

85 100

87 24.3 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

10000

8000

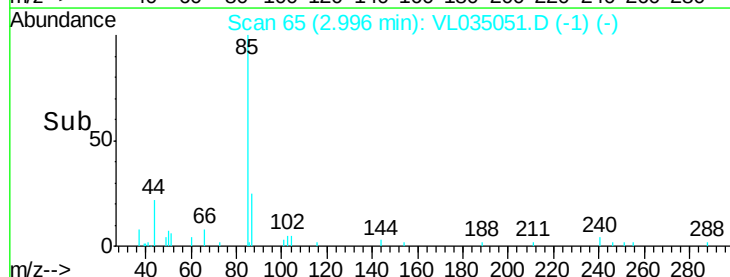
6000

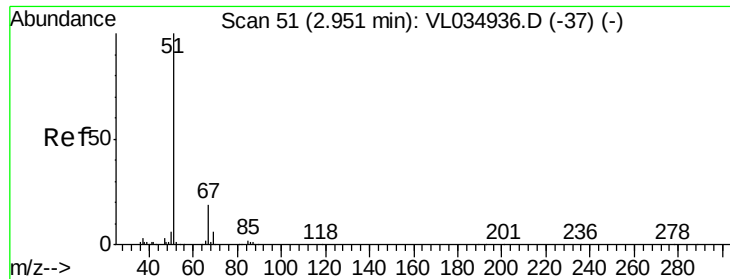
4000

2000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.141 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL035051.D

Acq: 19 May 2020 19:37

Instrument :

MSVOA_L

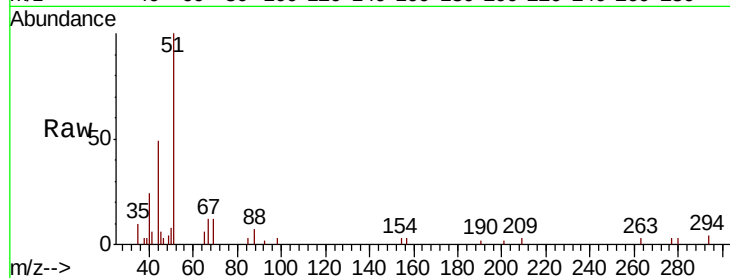
ClientSampleId :

Tot Ion: 51 Resp: 18203

Ion Ratio Lower Upper

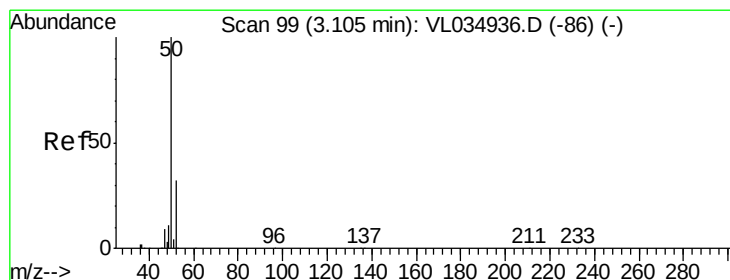
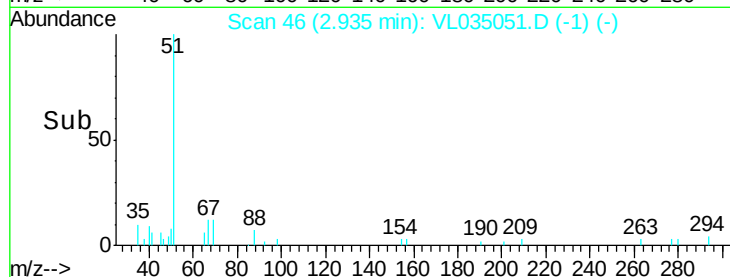
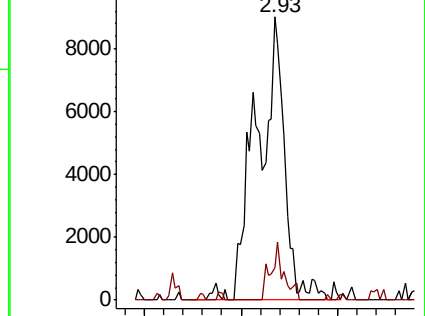
51 100

67 9.6 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.054 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL035051.D

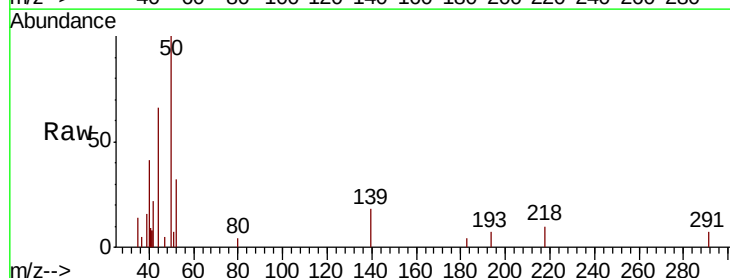
Acq: 19 May 2020 19:37

Tgt Ion: 50 Resp: 4007

Ion Ratio Lower Upper

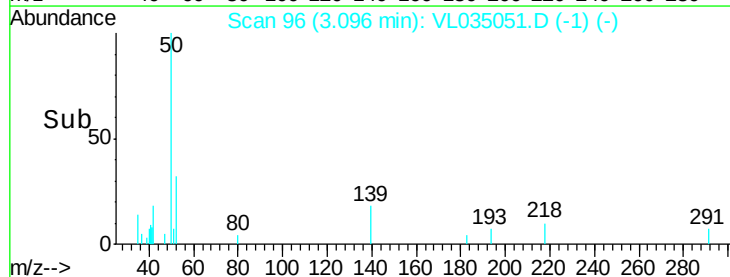
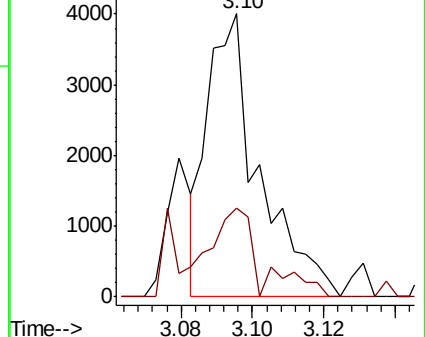
50 100

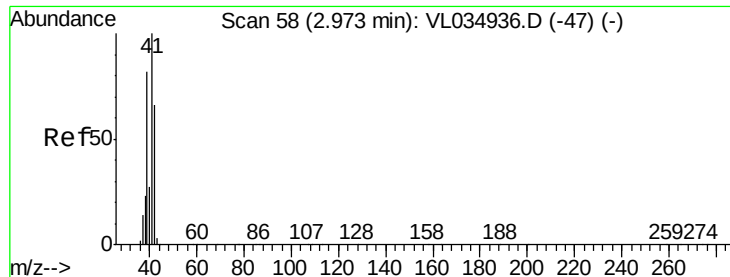
52 31.5 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.098 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL035051.D

Acq: 19 May 2020 19:37

Instrument :

MSVOA_L

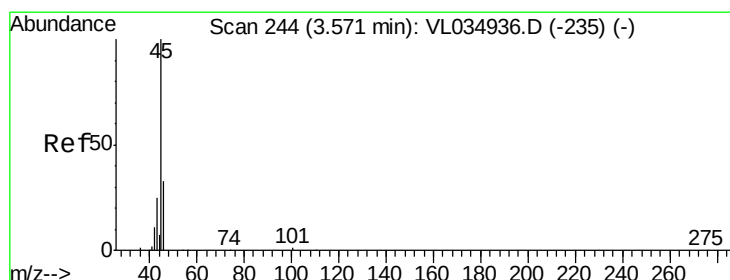
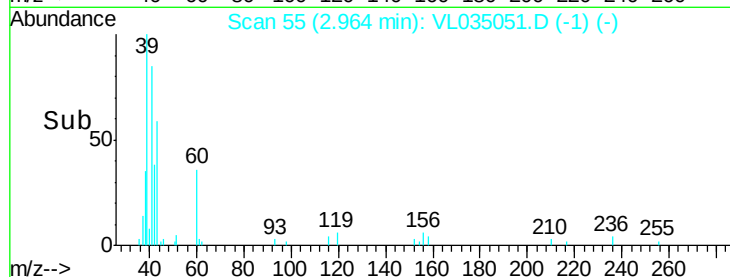
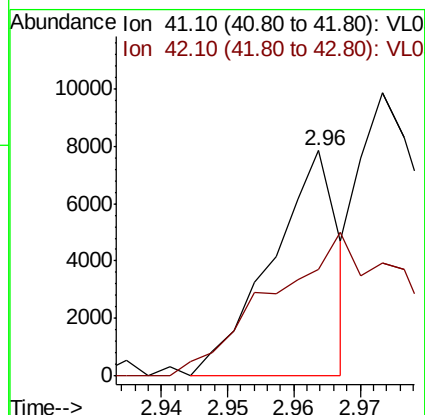
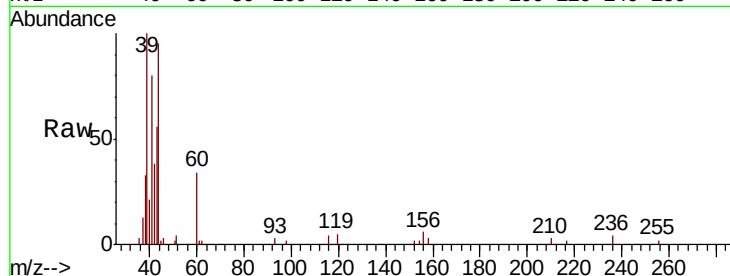
ClientSampleId :

Tot Ion: 41 Resp: 5514

Ion Ratio Lower Upper

41 100

42 132.3 54.5 81.7#



#13

Ethanol

Concen: 1.154 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035051.D

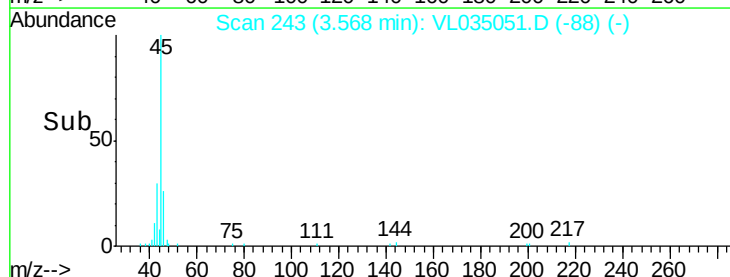
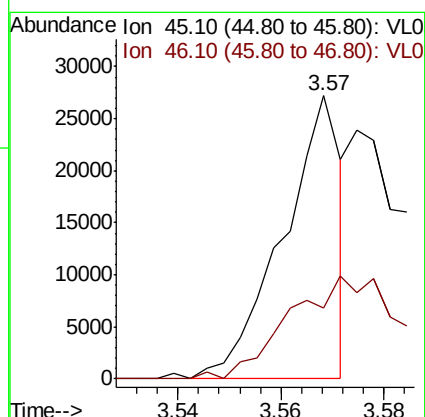
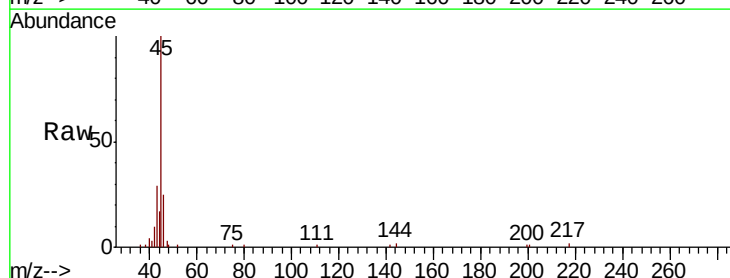
Acq: 19 May 2020 19:37

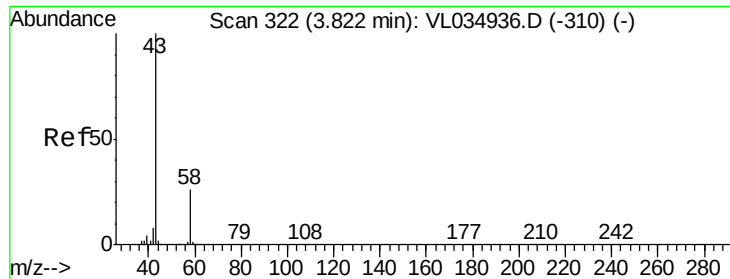
Tgt Ion: 45 Resp: 21343

Ion Ratio Lower Upper

45 100

46 0.0 14.3 57.3#





#15

Acetone

Concen: 3.141 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.01 min

Lab File: VL035051.D

Acq: 19 May 2020 19:37

Instrument :

MSVOA_L

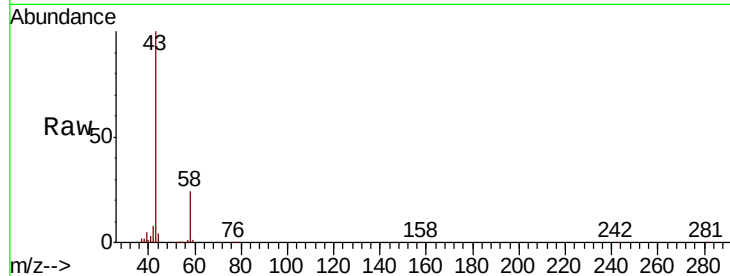
ClientSampleId :

Tot Ion: 43 Resp: 469801

Ion Ratio Lower Upper

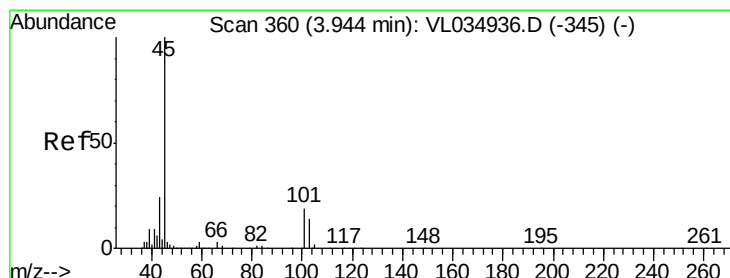
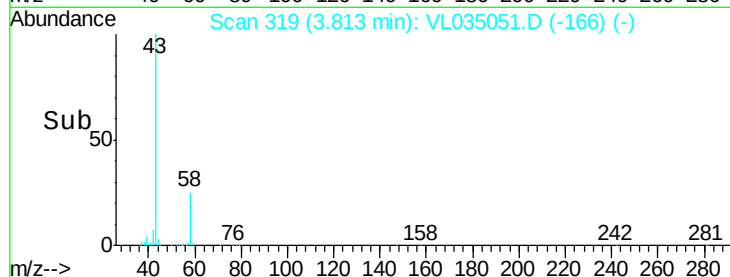
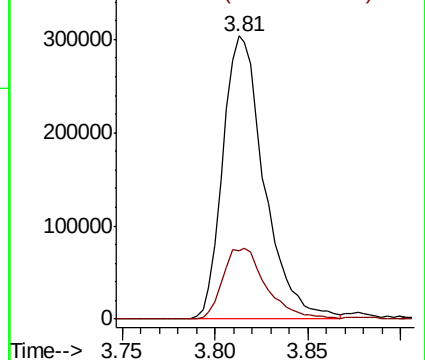
43 100

58 27.1 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.111 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL035051.D

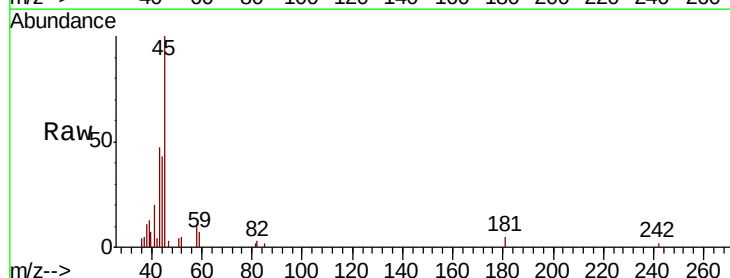
Acq: 19 May 2020 19:37

Tgt Ion: 45 Resp: 11076

Ion Ratio Lower Upper

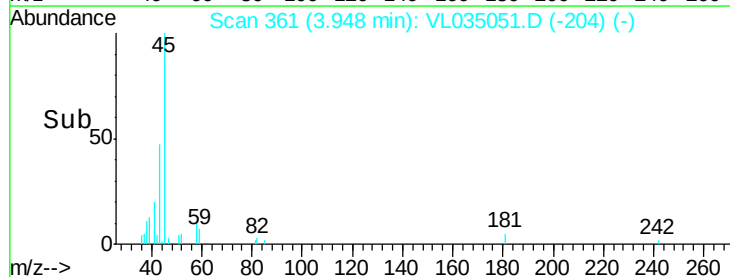
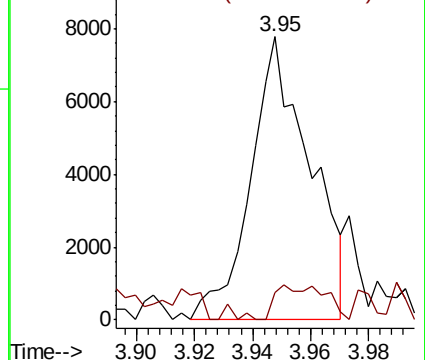
45 100

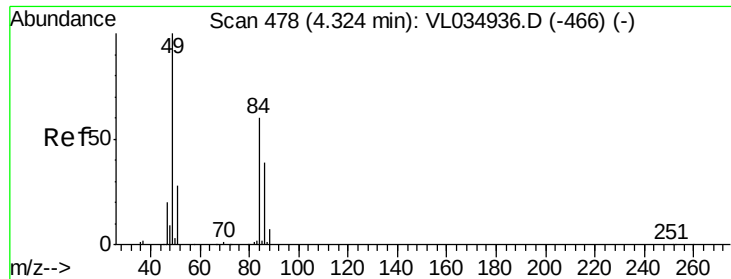
58 0.0 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

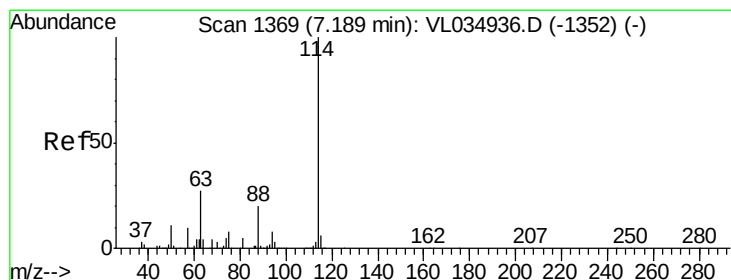
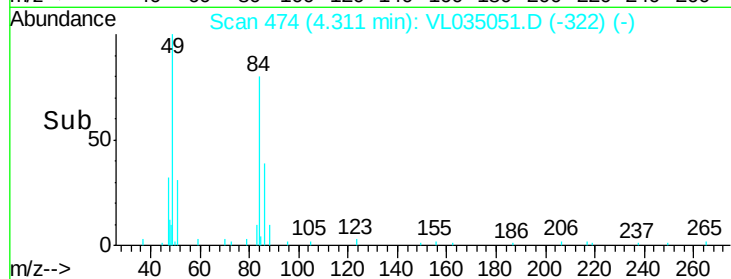
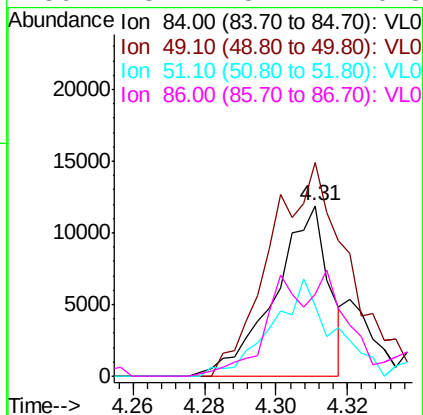
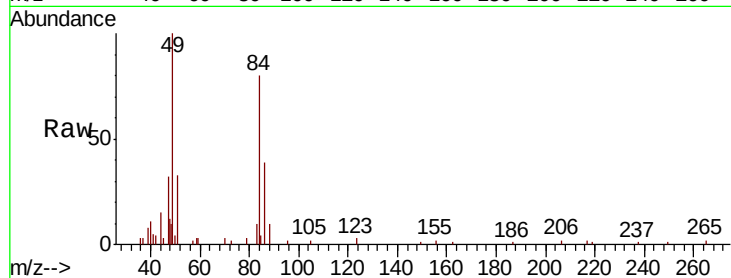




#20
Methylene Chloride
Concen: 0.251 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL035051.D
Acq: 19 May 2020 19:37

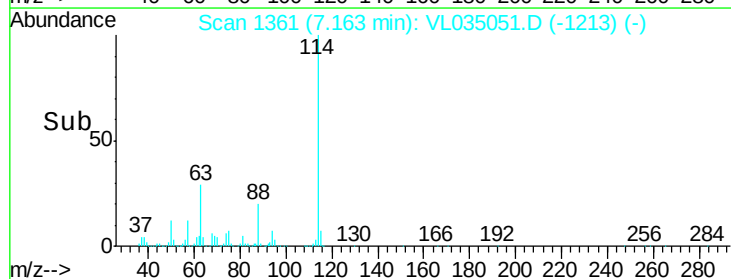
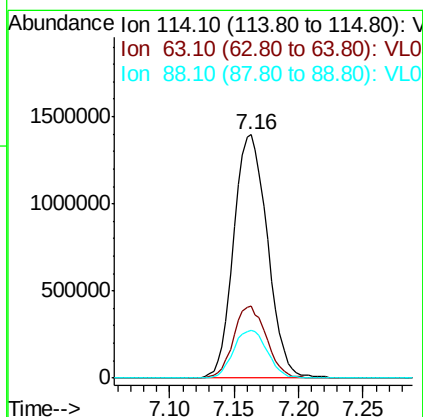
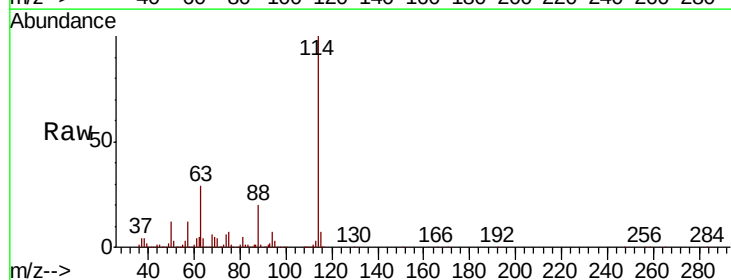
Instrument :
MSVOA_L
ClientSampleId :

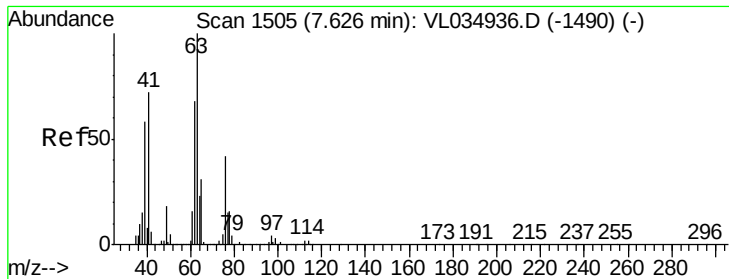
Tot Ion: 84 Resp: 12423
Ion Ratio Lower Upper
84 100
49 125.4 132.5 198.7#
51 41.1 38.4 57.6
86 48.4 51.2 76.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.03 min
Lab File: VL035051.D
Acq: 19 May 2020 19:37

Tgt Ion: 114 Resp: 2546255
Ion Ratio Lower Upper
114 100
63 28.7 22.2 33.4
88 19.8 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.636 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.46 min

Lab File: VL035051.D

Acq: 19 May 2020 19:37

Instrument :

MSVOA_L

ClientSampled :

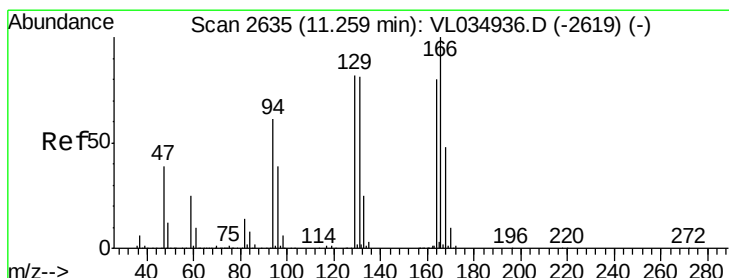
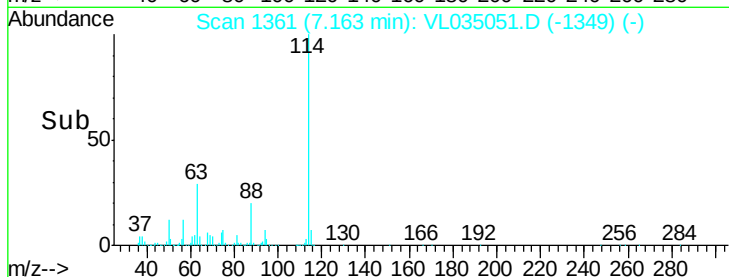
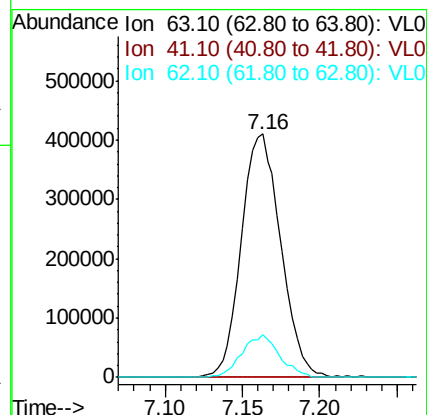
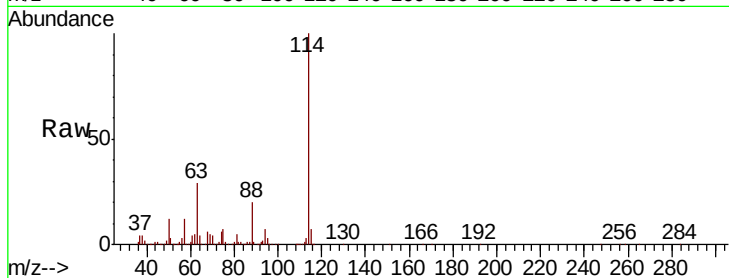
Tot Ion: 63 Resp: 726802

Ion Ratio Lower Upper

63 100

41 0.1 57.8 86.8#

62 17.3 54.2 81.2#



#52

Tetrachloroethene

Concen: 0.128 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.03 min

Lab File: VL035051.D

Acq: 19 May 2020 19:37

Tgt Ion: 164 Resp: 9570

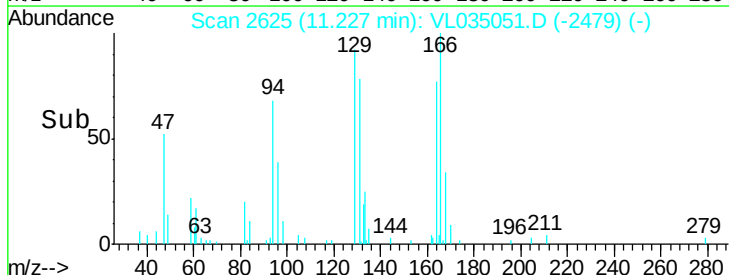
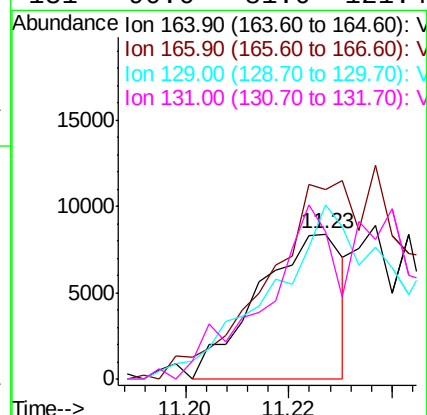
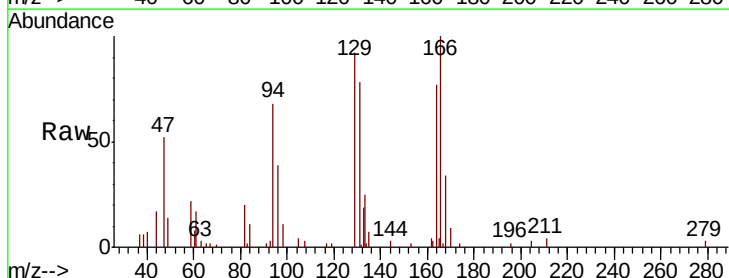
Ion Ratio Lower Upper

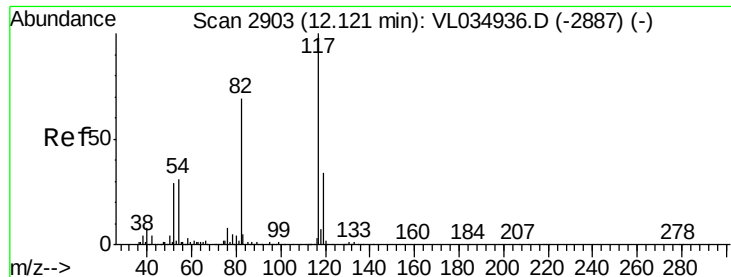
164 100

166 115.2 100.7 151.1

129 107.4 83.0 124.4

131 90.6 81.0 121.4

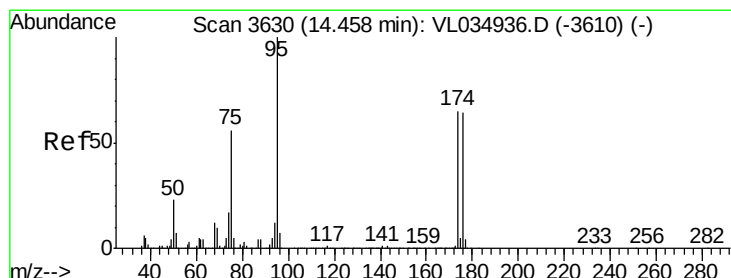
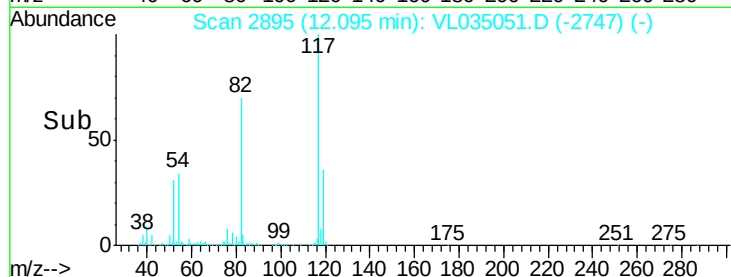
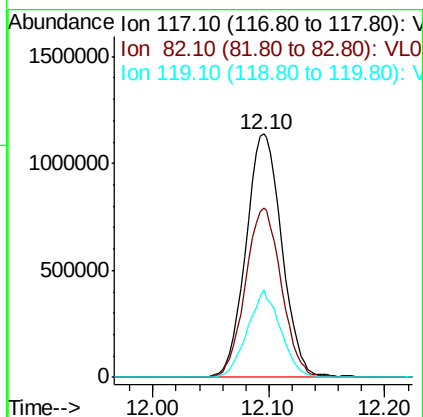
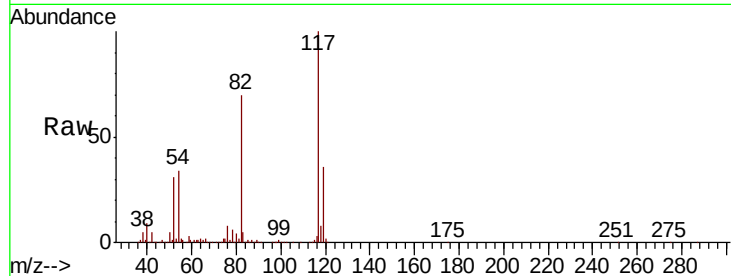




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035051.D
Acq: 19 May 2020 19:37

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2452364
Ion Ratio Lower Upper
117 100
82 70.1 53.1 79.7
119 33.3 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.638 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.03 min
Lab File: VL035051.D
Acq: 19 May 2020 19:37

Tgt Ion: 95 Resp: 2111656
Ion Ratio Lower Upper
95 100
174 63.1 51.5 77.3
175 4.7 3.8 5.8

