

Data File : VL034860.D
Acq On : 10 Mar 2020 4:58
Operator : SY/AP
Sample : L1161-13 0.03LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Quant Time: Mar 10 09:43:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	863397	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1924674	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1892966	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.44 95 1536062 10.40 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 104.00%

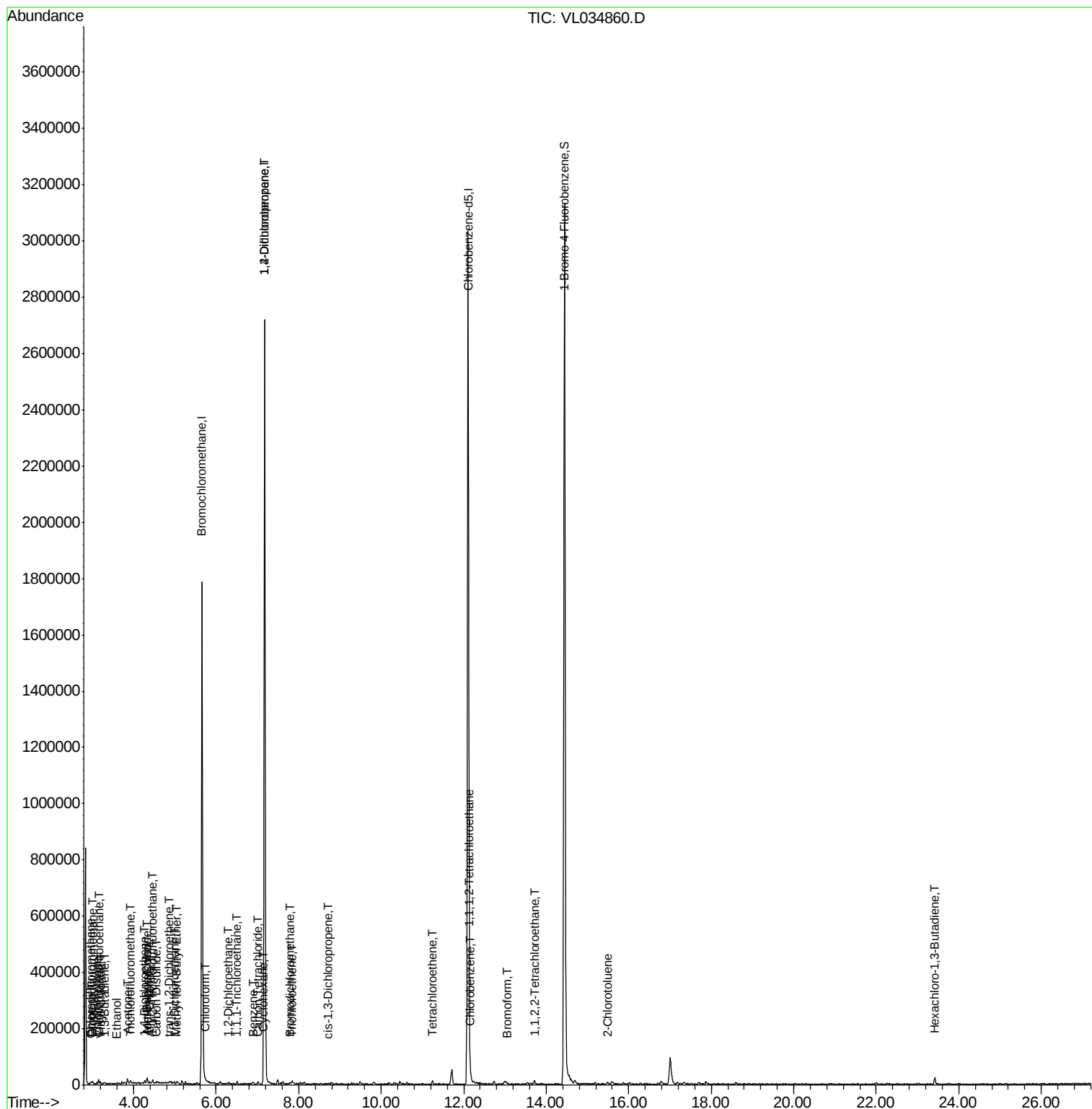
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.00	85	2459	0.021	ppbv	96
3) Chlorodifluoromethane	2.95	51	3463	0.036	ppbv	94
4) Chloromethane	3.11	50	2202	0.040	ppbv	90
5) Vinyl Chloride	3.21	62	612	0.012	ppbv #	46
8) Dichlorotetrafluoroethane	3.15	85	4601	0.037	ppbv	98
9) Propene	2.96	41	837	0.018	ppbv #	1
11) Trichlorofluoromethane	3.93	101	1467	0.012	ppbv	87
12) 1,1,2-Trichlorotrifluoroet	4.46	101	3103	0.035	ppbv	84
13) Ethanol	3.58	45	429	0.031	ppbv #	35
15) Acetone	3.85	43	12134	0.108	ppbv #	67
16) 1,3-Butadiene	3.29	39	1487	0.029	ppbv #	74
17) tert-Butyl alcohol	4.30	59	1719	0.016	ppbv	95
18) 1,1-Dichloroethene	4.26	96	636	0.016	ppbv #	47
20) Methylene Chloride	4.32	84	3791	0.107	ppbv #	76
21) Allyl Chloride	4.38	41	720	0.010	ppbv #	20
22) trans-1,2-Dichloroethene	4.87	96	965	0.024	ppbv #	45
24) 1,1-Dichloroethane	4.99	63	3595	0.032	ppbv #	90
27) Carbon Disulfide	4.53	76	1148	0.012	ppbv #	62
28) Methyl tert-Butyl Ether	5.04	73	2810	0.020	ppbv #	65
29) Chloroform	5.74	83	3227	0.025	ppbv #	59
30) Cyclohexane	7.13	84	1018	0.014	ppbv #	1
32) 1,1,1-Trichloroethane	6.51	97	1783	0.014	ppbv #	1
35) Carbon Tetrachloride	7.02	117	1879	0.016	ppbv #	47
36) Benzene	6.89	78	3559	0.021	ppbv #	80
37) 1,2-Dichloroethane	6.29	62	1654	0.017	ppbv #	81
38) Trichloroethene	7.84	130	878	0.013	ppbv #	47
39) 1,2-Dichloropropane	7.17	63	514075	7.563	ppbv #	23
42) Bromodichloromethane	7.79	83	2232	0.017	ppbv #	91
46) cis-1,3-Dichloropropene	8.72	75	1012	0.010	ppbv #	36
49) Bromoform	13.06	173	1077	0.011	ppbv #	27
52) Tetrachloroethene	11.24	164	964	0.014	ppbv #	18
56) 1,1,1,2-Tetrachloroethane	12.15	131	2418	0.028	ppbv #	9
57) Chlorobenzene	12.17	112	3407	0.023	ppbv #	64
63) 1,1,2,2-Tetrachloroethane	13.71	83	1539	0.011	ppbv #	1
71) 2-Chlorotoluene	15.48	91	2807	0.012	ppbv #	58
78) Hexachloro-1,3-Butadiene	23.42	225	1421	0.012	ppbv #	18

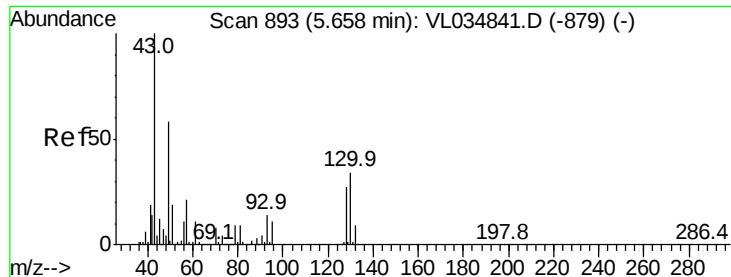
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

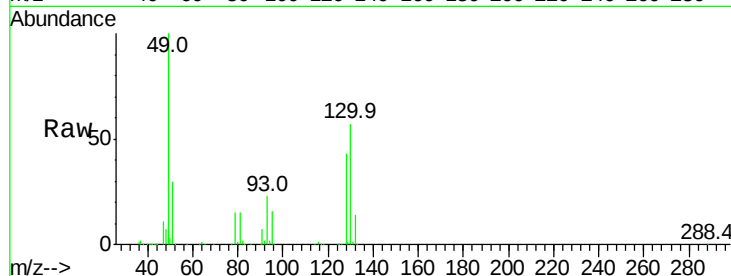
Tgt Ion: 49 Resp: 863397

Ion Ratio Lower Upper

49 100

128 46.3 23.4 70.3

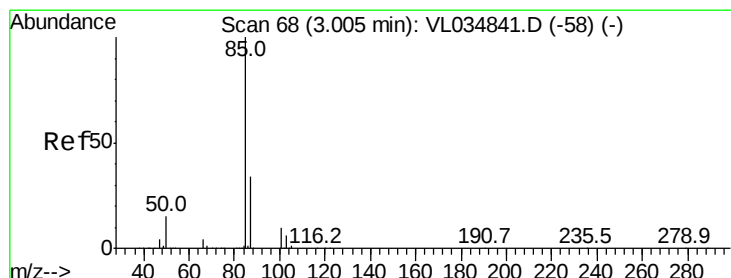
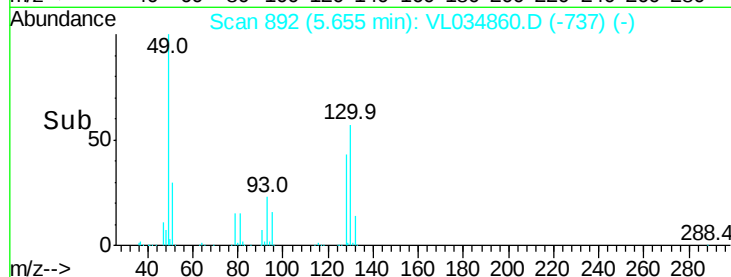
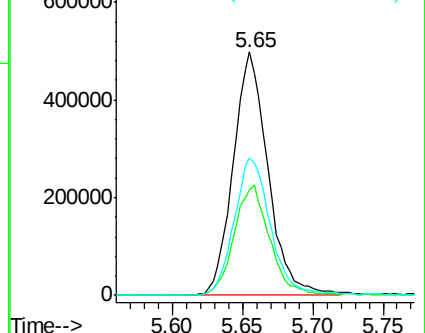
130 59.8 30.0 90.0



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



#2

Dichlorodifluoromethane

Concen: 0.021 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL034860.D

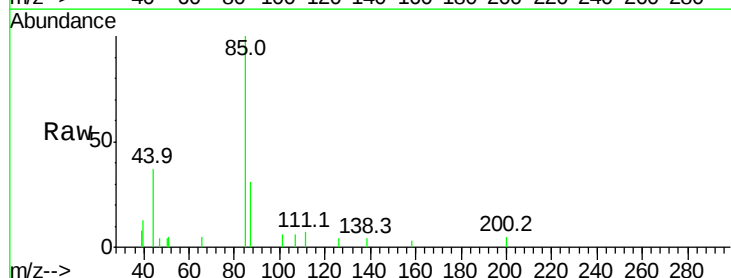
Acq: 10 Mar 2020 4:58

Tgt Ion: 85 Resp: 2459

Ion Ratio Lower Upper

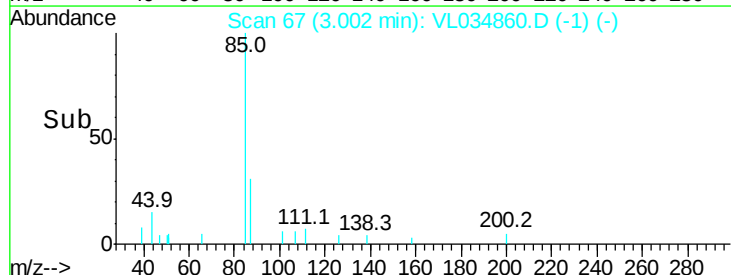
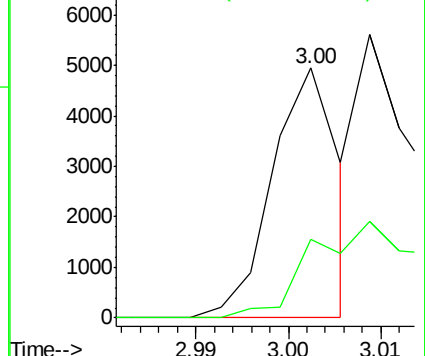
85 100

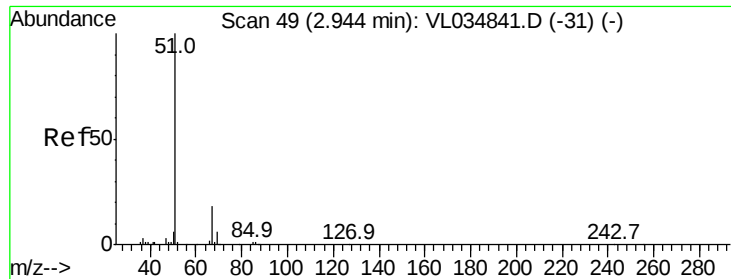
87 31.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.036 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

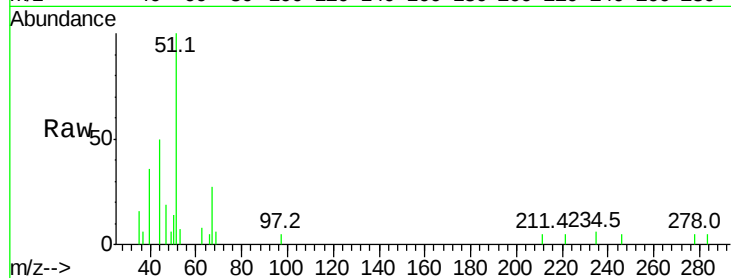
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 51 Resp: 3463

Ion Ratio Lower Upper

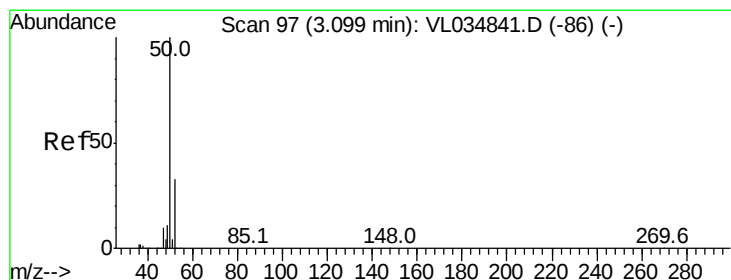
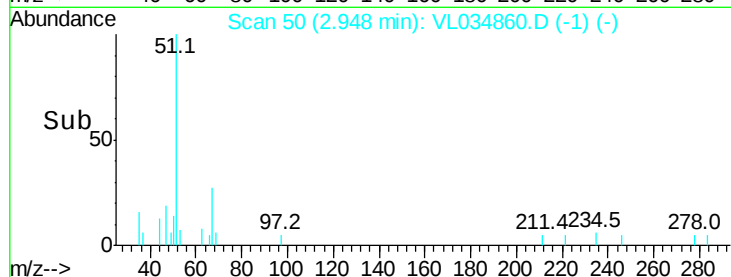
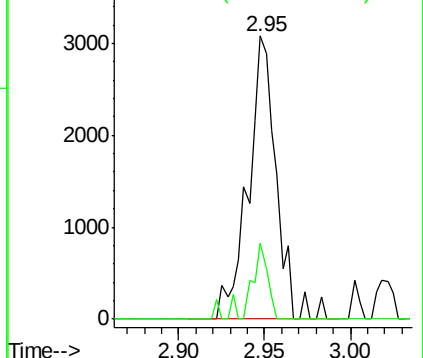
51 100

67 15.2 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.040 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.01 min

Lab File: VL034860.D

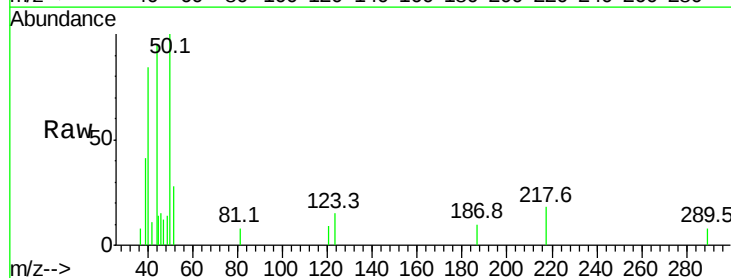
Acq: 10 Mar 2020 4:58

Tgt Ion: 50 Resp: 2202

Ion Ratio Lower Upper

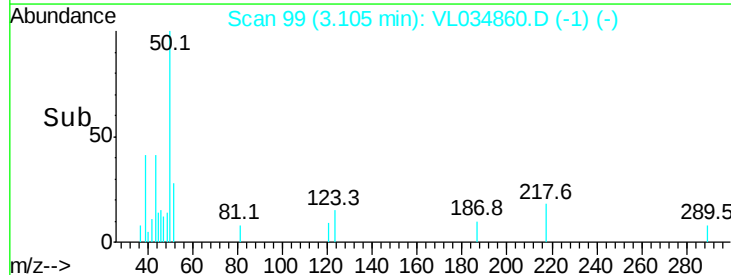
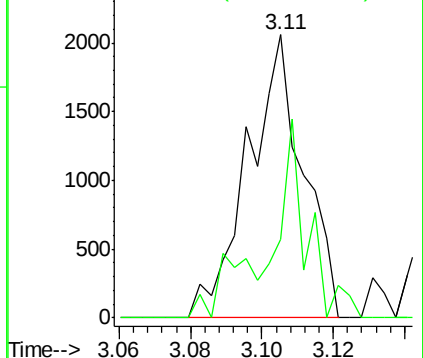
50 100

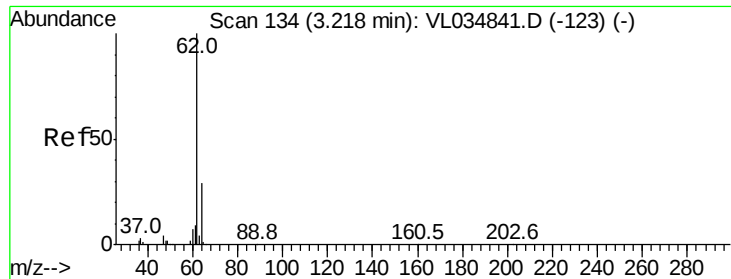
52 27.6 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.012 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

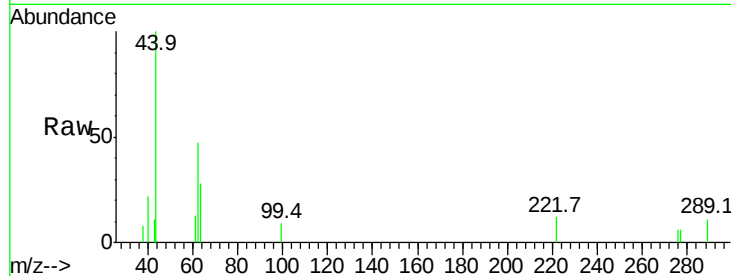
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 62 Resp: 612

Ion Ratio Lower Upper

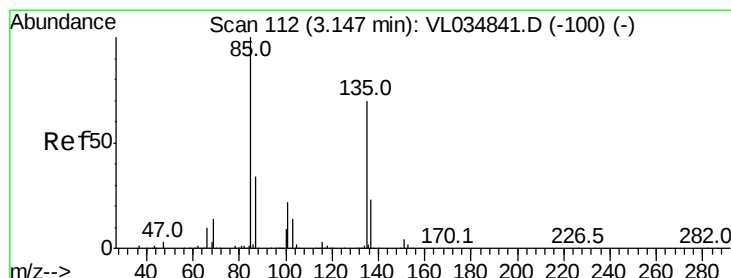
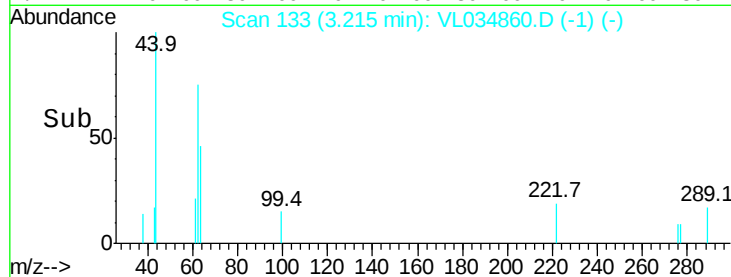
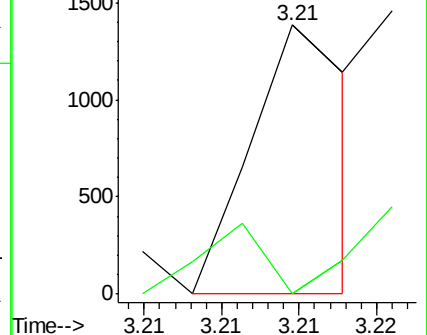
62 100

64 0.0 23.0 34.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.037 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034860.D

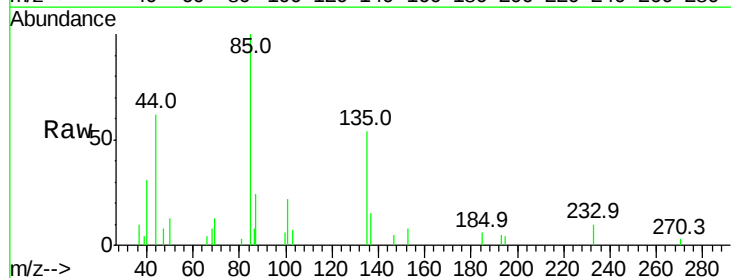
Acq: 10 Mar 2020 4:58

Tgt Ion: 85 Resp: 4601

Ion Ratio Lower Upper

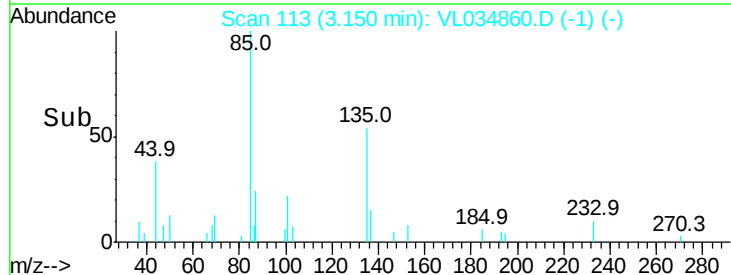
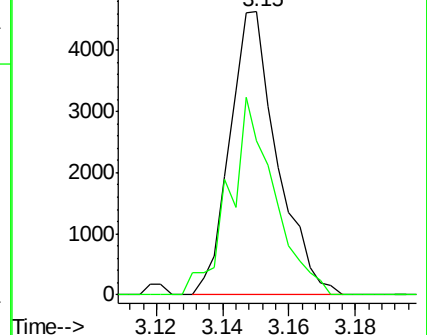
85 100

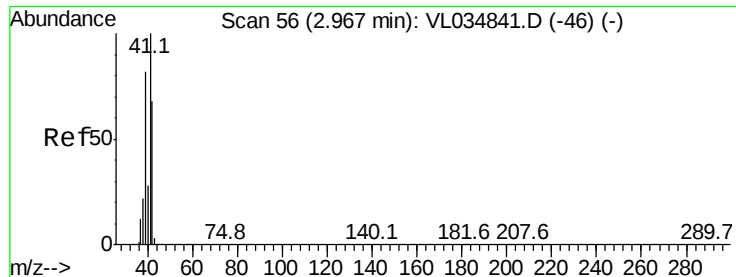
135 66.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.018 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

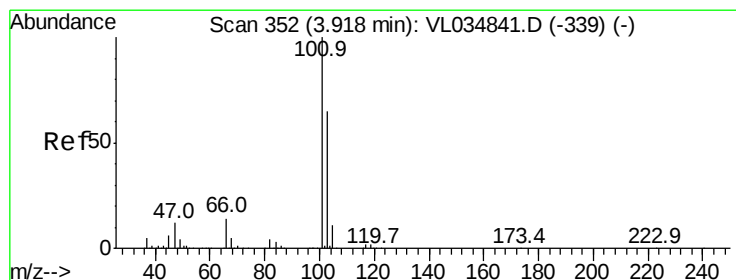
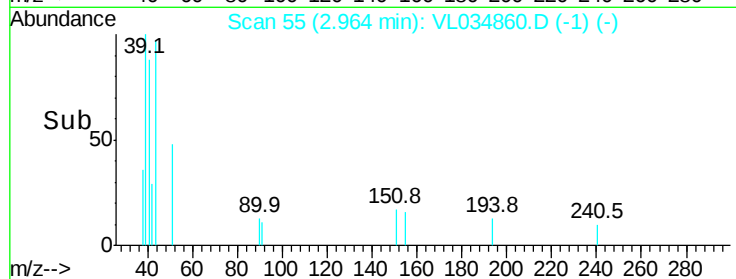
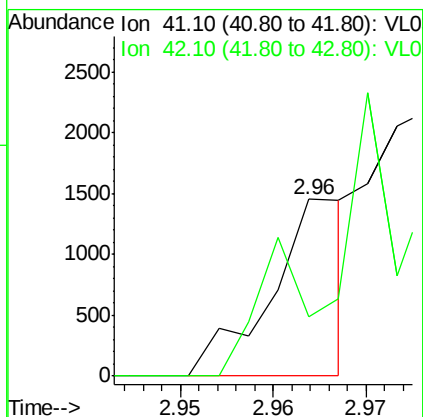
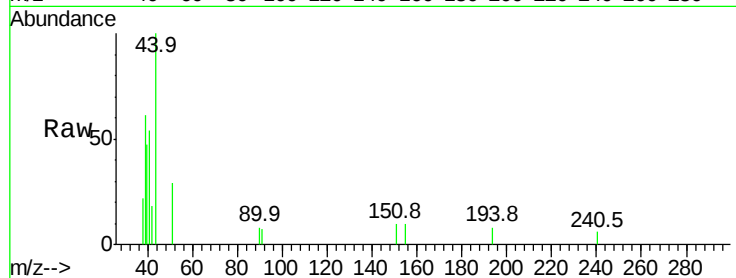
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 41 Resp: 837

Ion Ratio Lower Upper

41 100

42 280.8 55.2 82.8#



#11

Trichlorofluoromethane

Concen: 0.012 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.01 min

Lab File: VL034860.D

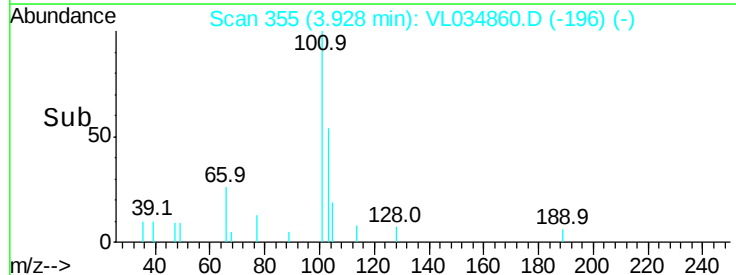
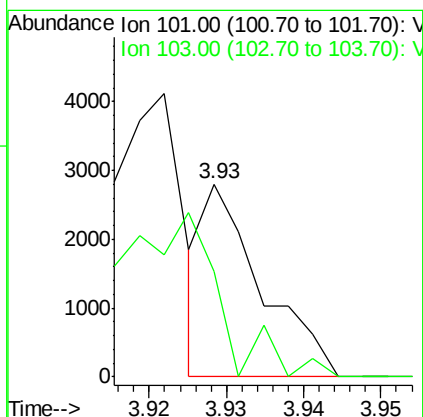
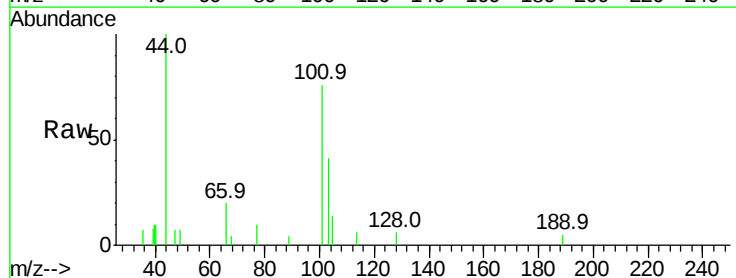
Acq: 10 Mar 2020 4:58

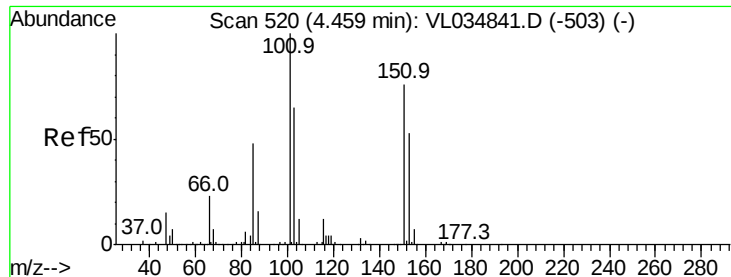
Tgt Ion: 101 Resp: 1467

Ion Ratio Lower Upper

101 100

103 54.4 51.8 77.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.035 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

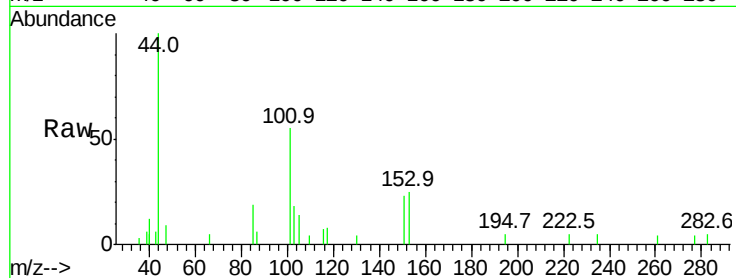
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 101 Resp: 3103

Ion Ratio Lower Upper

101 100

151 89.7 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

3000

2500

2000

1500

1000

500

0

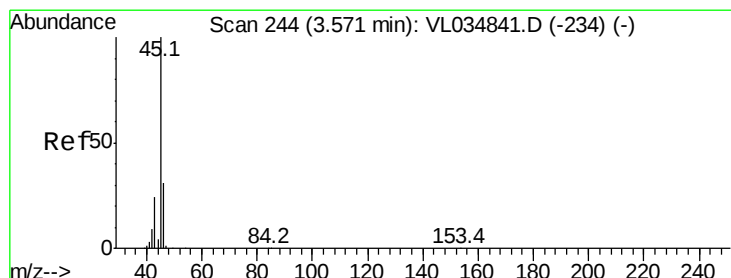
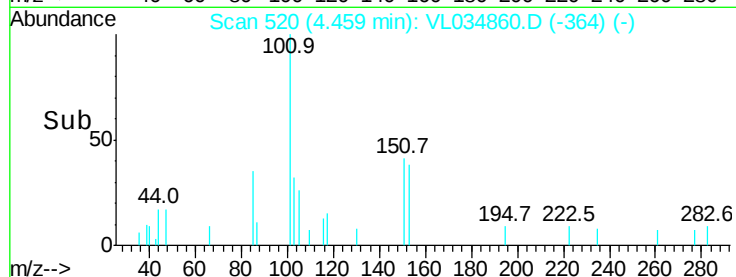
4.42

4.44

4.46

4.48

Time-->



#13

Ethanol

Concen: 0.031 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034860.D

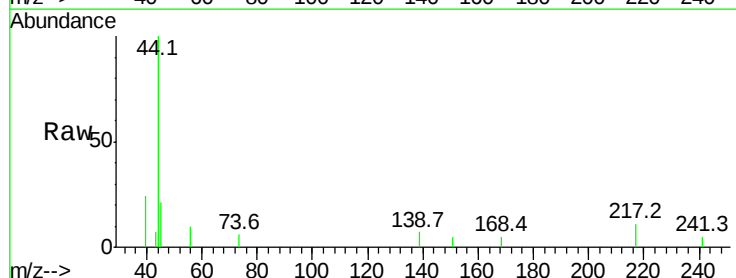
Acq: 10 Mar 2020 4:58

Tgt Ion: 45 Resp: 429

Ion Ratio Lower Upper

45 100

46 0.0 16.0 64.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

800

600

400

200

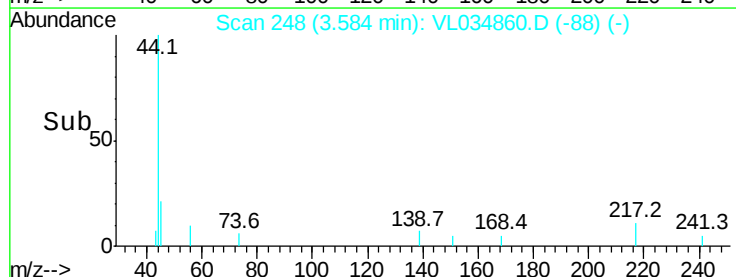
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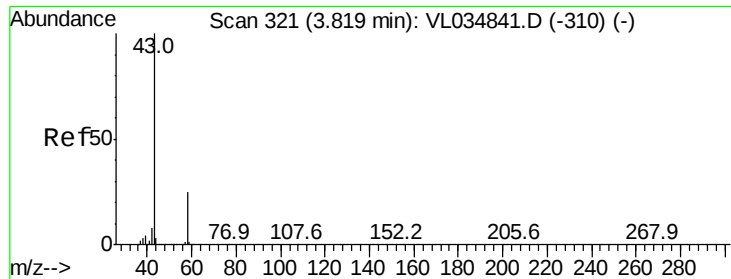
3.57

3.58

3.59

Time-->

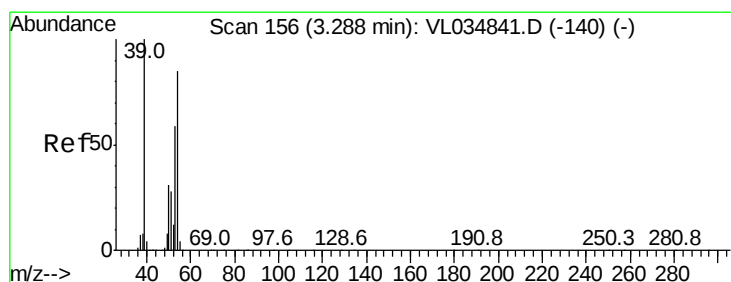
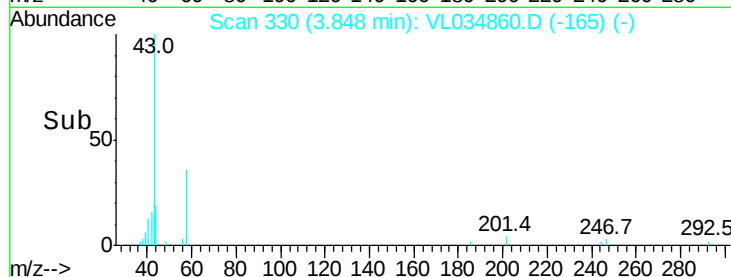
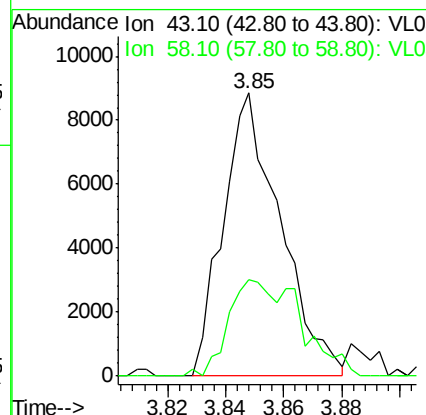
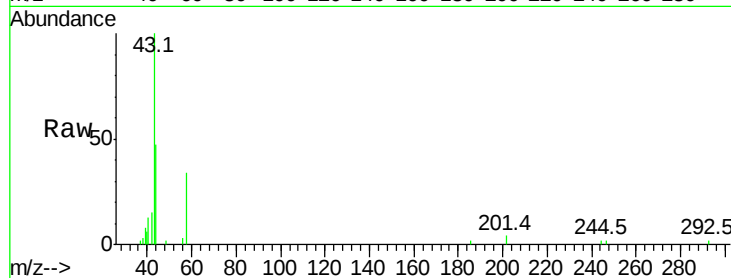




#15
Acetone
Concen: 0.108 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.03 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

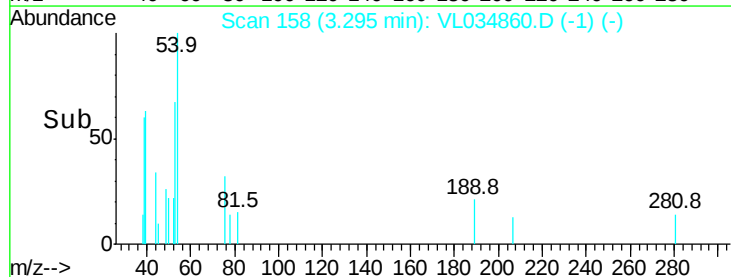
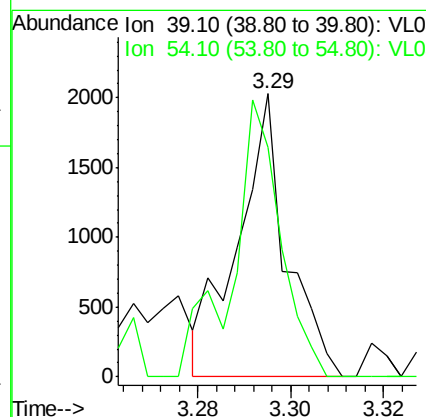
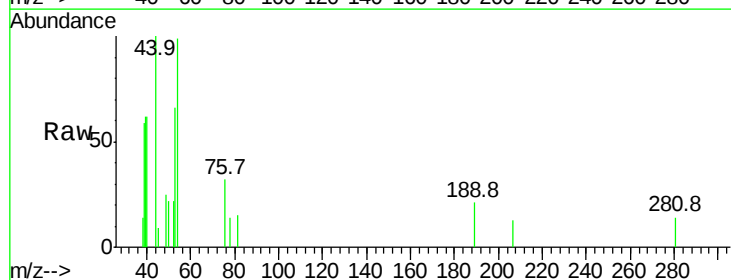
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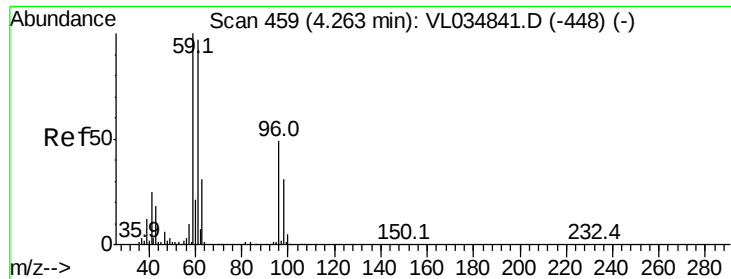
Tgt Ion: 43 Resp: 12134
Ion Ratio Lower Upper
43 100
58 43.0 21.0 31.6#



#16
1,3-Butadiene
Concen: 0.029 ppbv
RT: 3.29 min Scan# 158
Delta R.T. 0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 39 Resp: 1487
Ion Ratio Lower Upper
39 100
54 104.2 65.0 97.6#

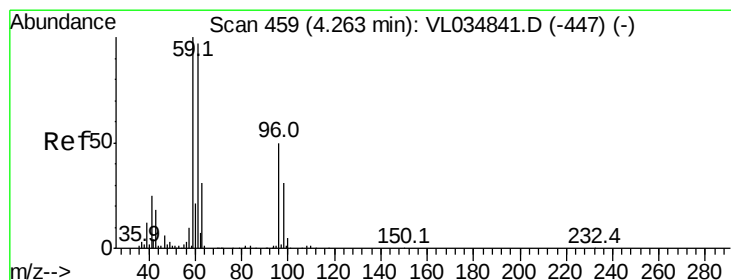
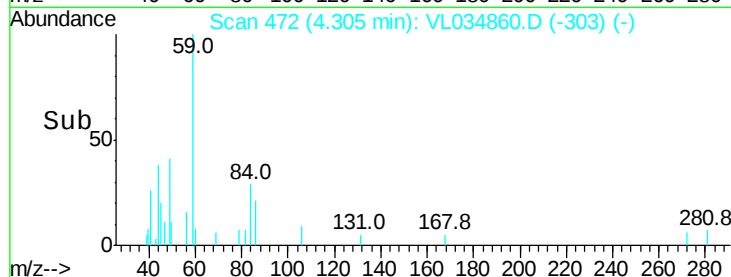
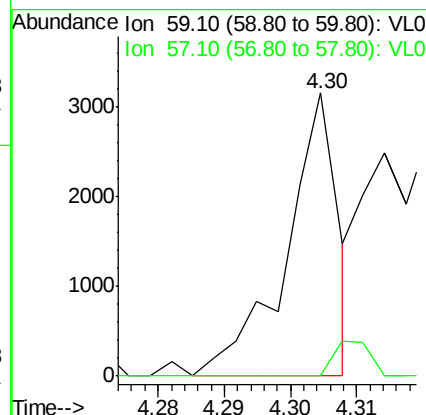
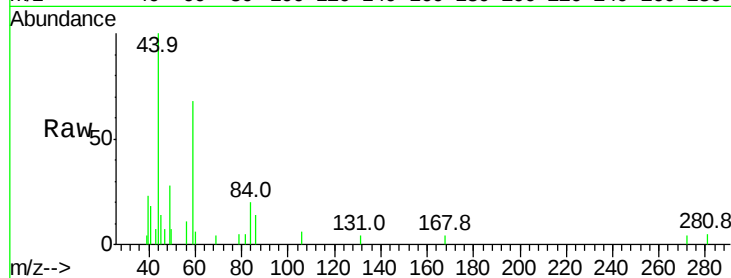




#17
 tert-Butyl alcohol
 Concen: 0.016 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.04 min
 Lab File: VL034860.D
 Acq: 10 Mar 2020 4:58

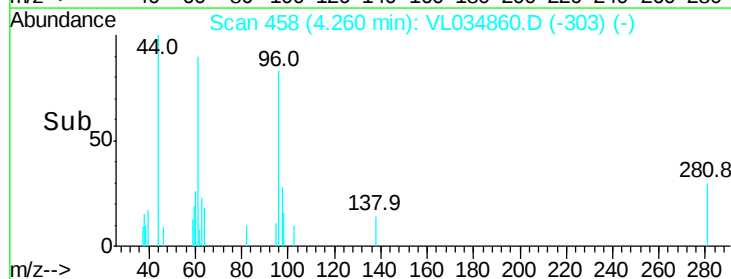
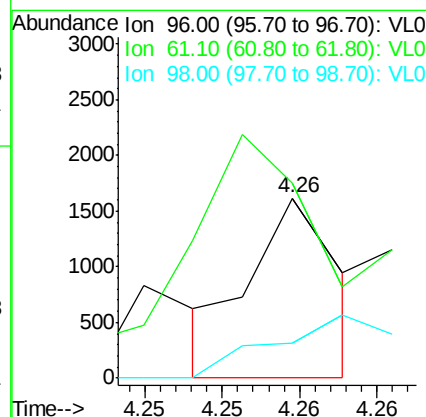
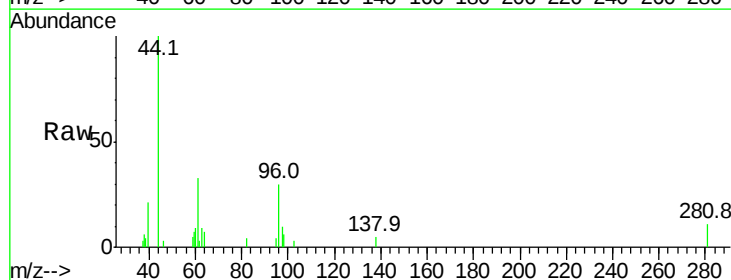
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

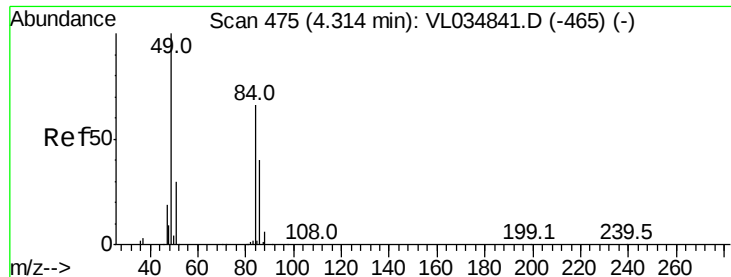
Tgt Ion: 59 Resp: 1719
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.3 12.5



#18
 1,1-Dichloroethene
 Concen: 0.016 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL034860.D
 Acq: 10 Mar 2020 4:58

Tgt Ion: 96 Resp: 636
 Ion Ratio Lower Upper
 96 100
 61 110.4 157.3 235.9#
 98 31.9 50.2 75.4#

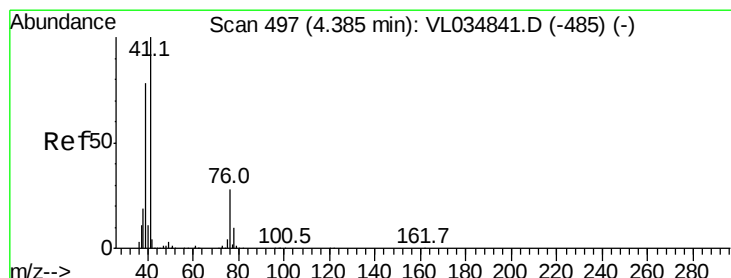
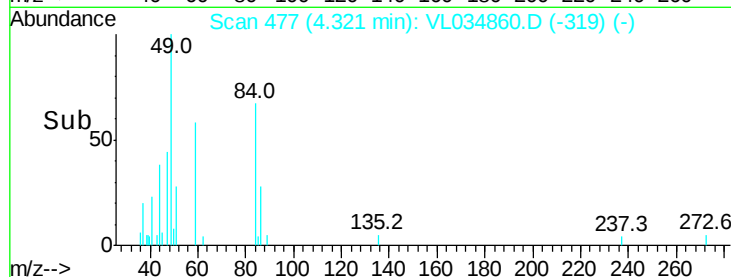
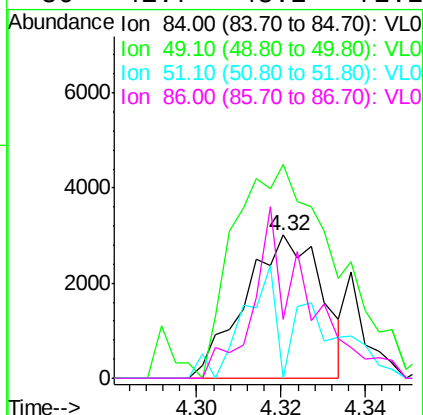
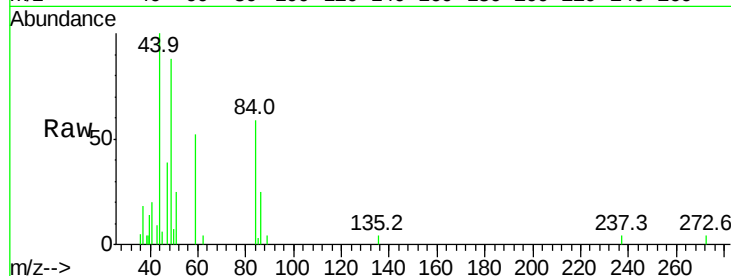




#20
Methylene Chloride
Concen: 0.107 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

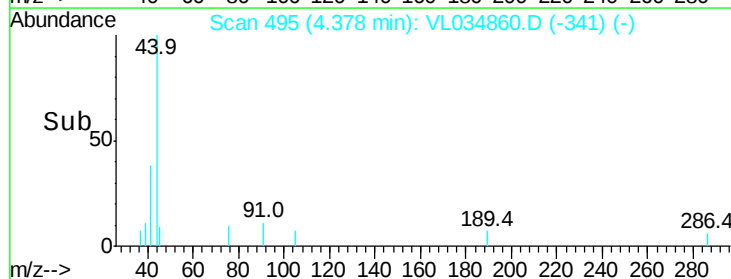
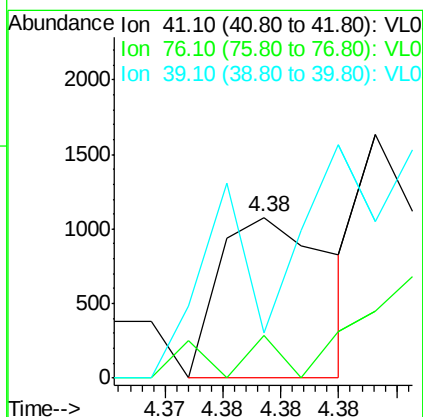
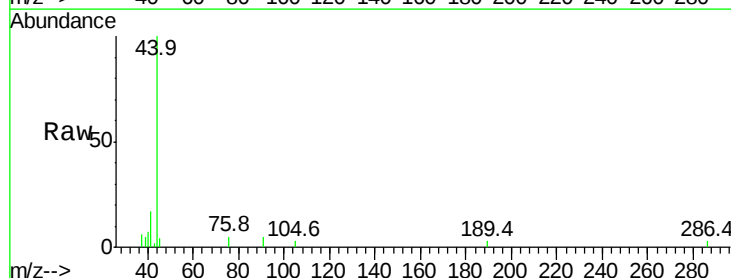
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

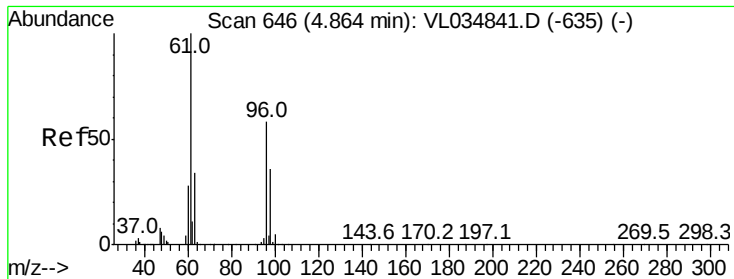
Tgt Ion:	84	Resp:	3791
Ion	Ratio	Lower	Upper
84	100		
49	138.7	121.5	182.3
51	0.0	36.6	55.0#
86	41.7	48.2	72.2#



#21
Allyl Chloride
Concen: 0.010 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion:	41	Resp:	720
Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.2	33.2#
39	0.0	62.6	93.8#





#22

trans-1,2-Dichloroethene

Concen: 0.024 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

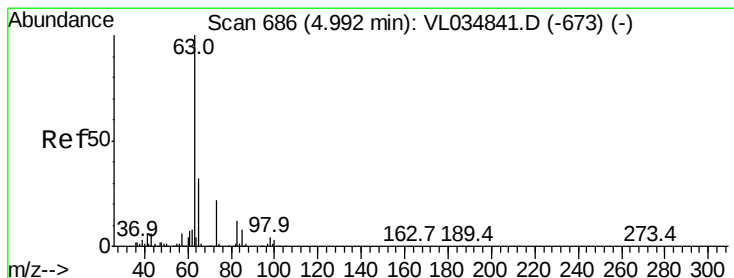
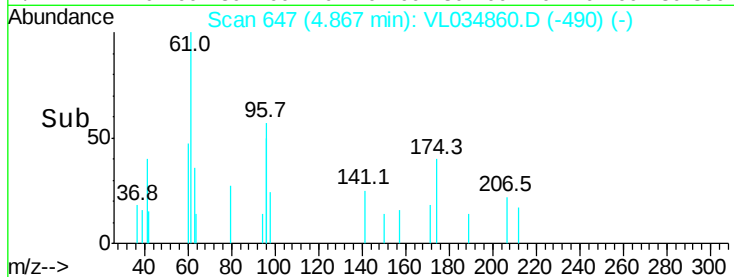
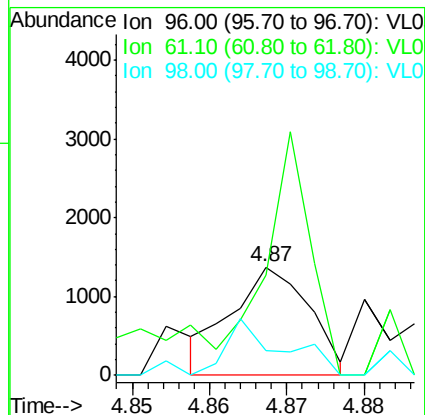
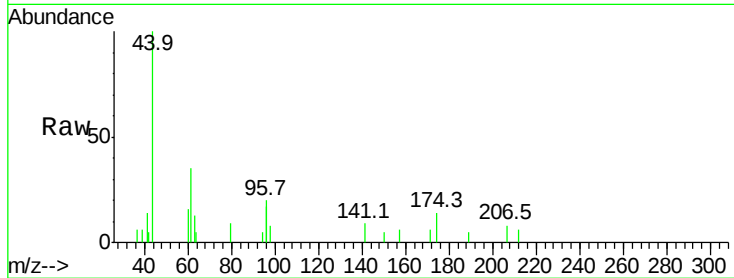
Tgt Ion: 96 Resp: 965

Ion Ratio Lower Upper

96 100

61 93.9 139.0 208.6#

98 25.9 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 0.032 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

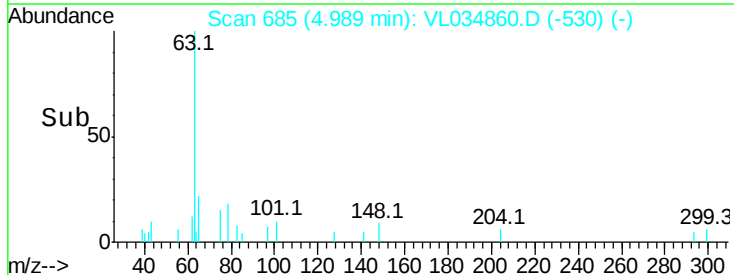
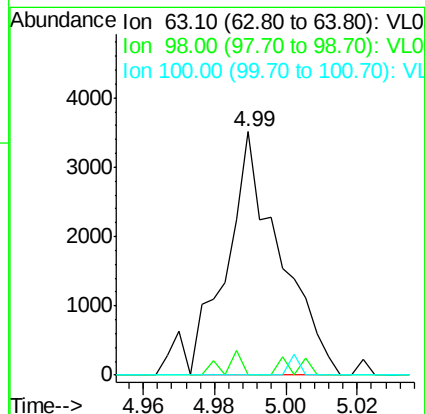
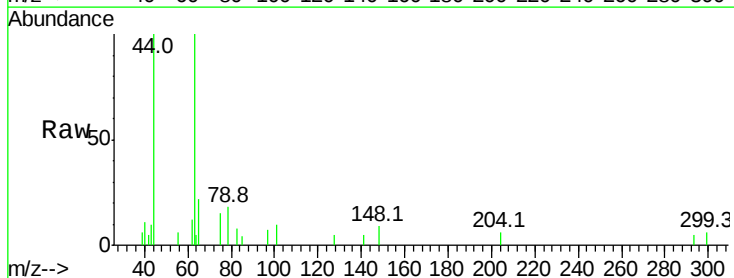
Tgt Ion: 63 Resp: 3595

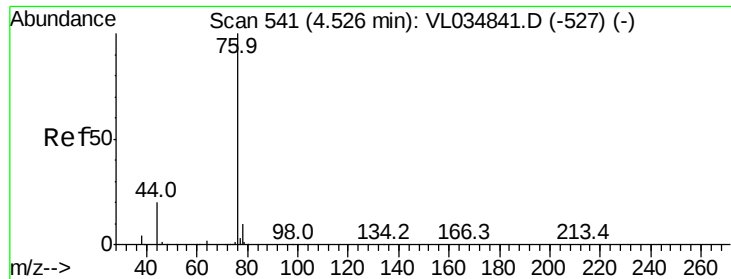
Ion Ratio Lower Upper

63 100

98 0.0 2.0 5.8#

100 0.0 1.4 4.0#





#27

Carbon Disulfide

Concen: 0.012 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.01 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

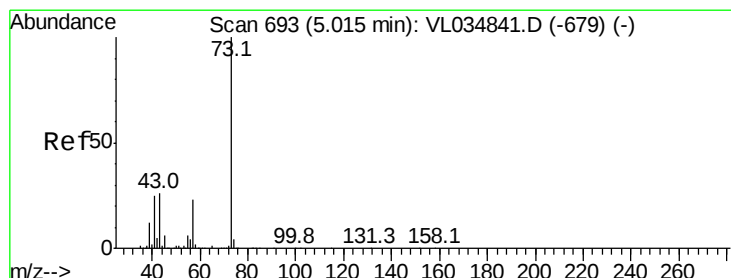
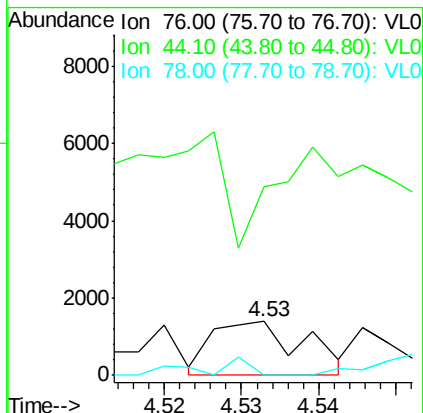
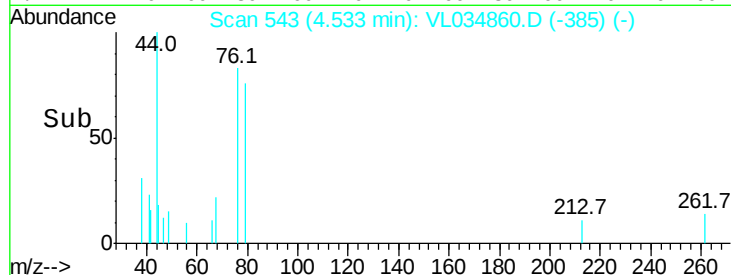
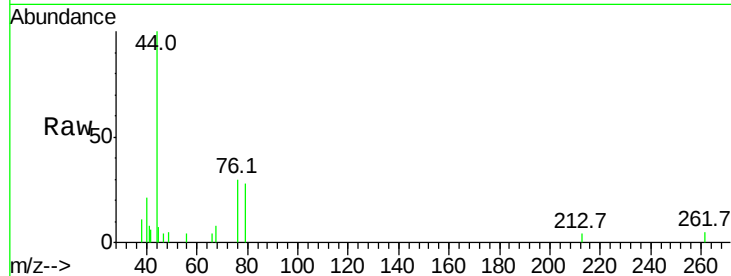
Tgt Ion: 76 Resp: 1148

Ion Ratio Lower Upper

76 100

44 0.0 16.2 24.2#

78 0.0 7.8 11.6#



#28

Methyl tert-Butyl Ether

Concen: 0.020 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.03 min

Lab File: VL034860.D

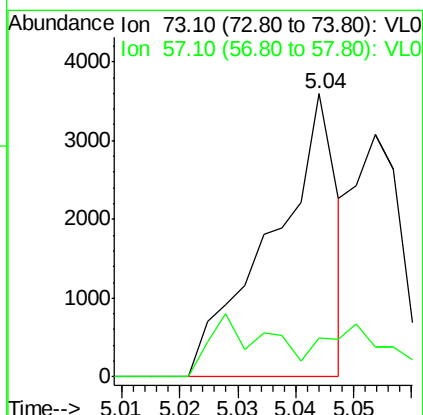
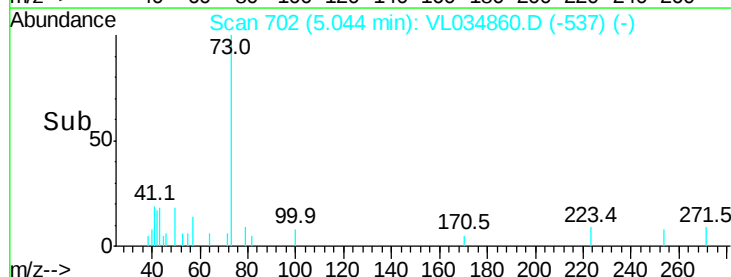
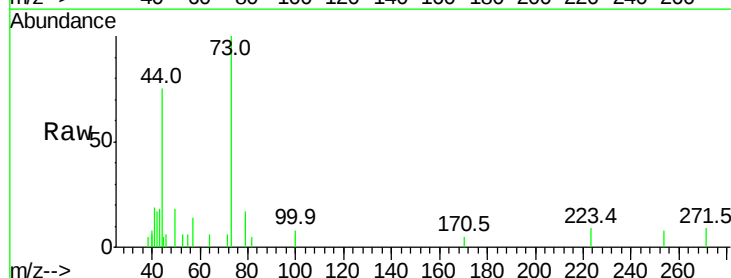
Acq: 10 Mar 2020 4:58

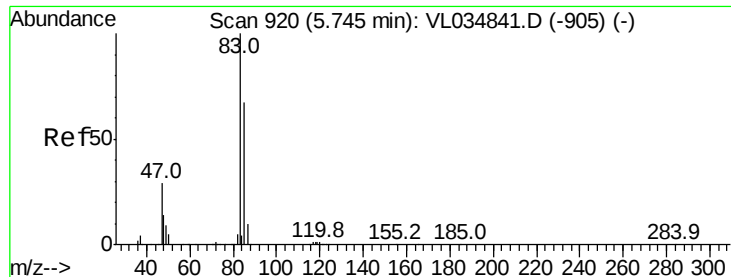
Tgt Ion: 73 Resp: 2810

Ion Ratio Lower Upper

73 100

57 39.9 18.3 27.5#





#29

Chloroform

Concen: 0.025 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.01 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

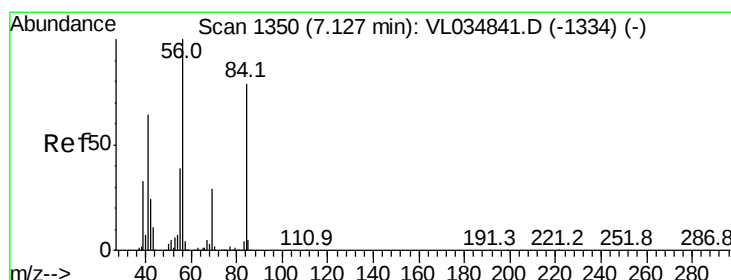
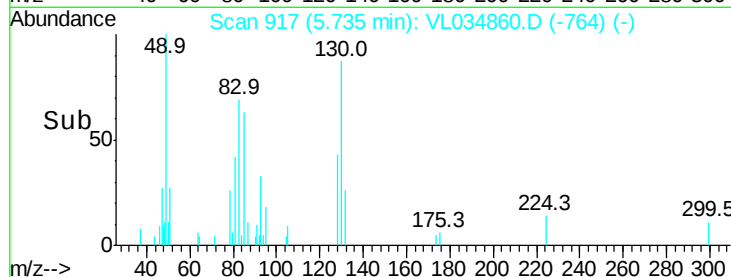
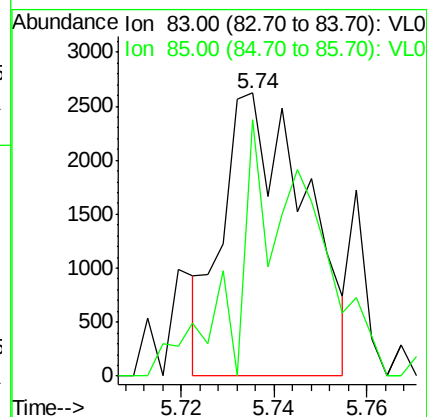
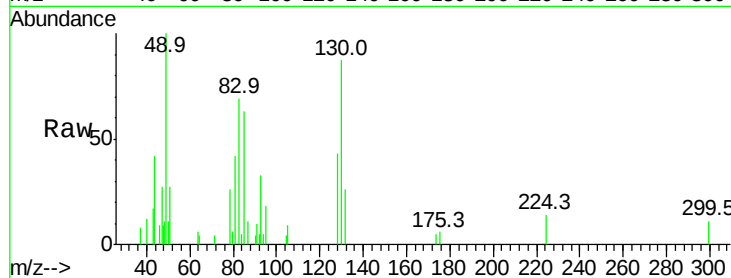
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 83 Resp: 3227

Ion Ratio Lower Upper

83 100

85 100.4 53.8 80.6#



#30

Cyclohexane

Concen: 0.014 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

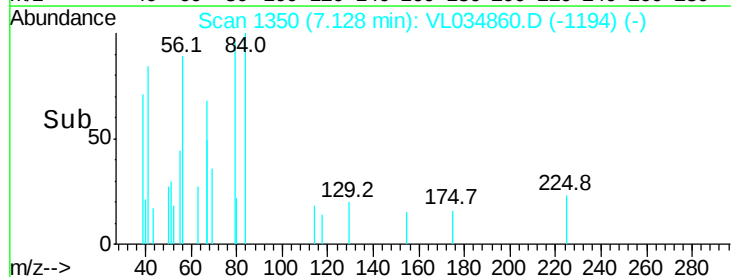
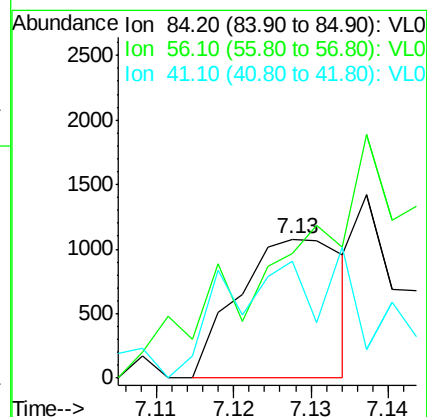
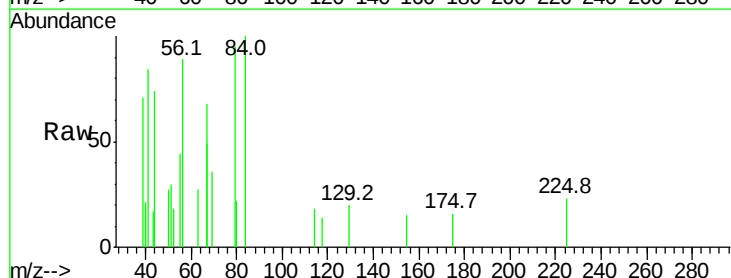
Tgt Ion: 84 Resp: 1018

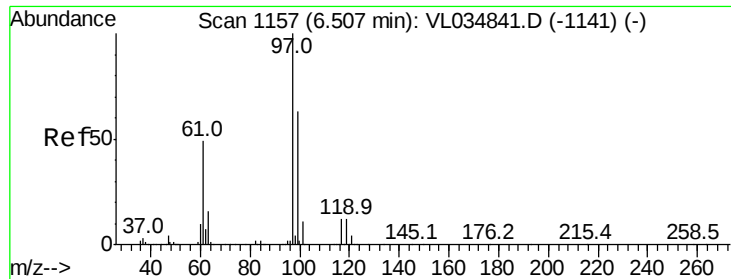
Ion Ratio Lower Upper

84 100

56 0.0 110.5 165.7#

41 0.0 68.2 102.4#





#32

1,1,1-Trichloroethane

Concen: 0.014 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

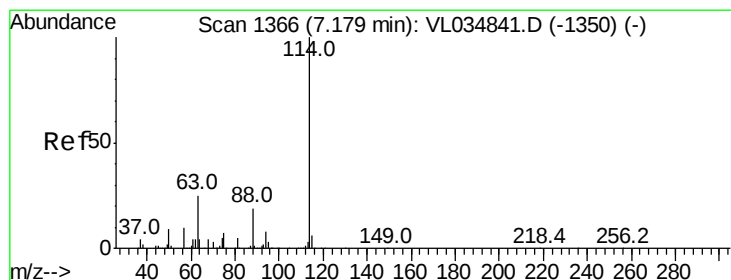
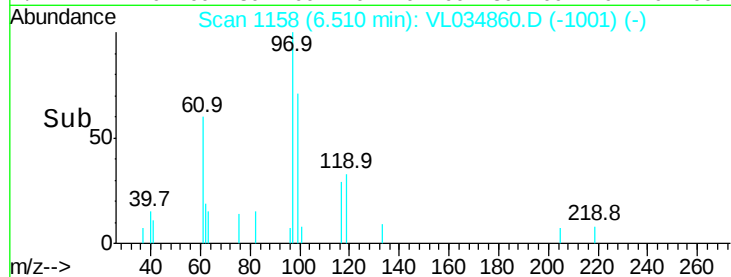
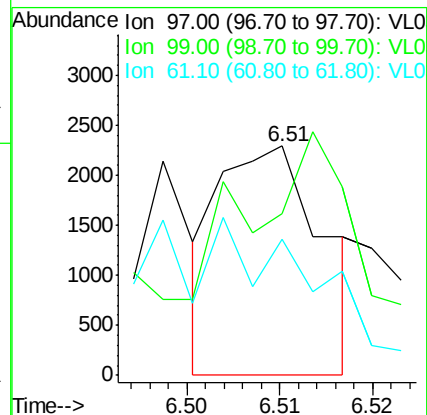
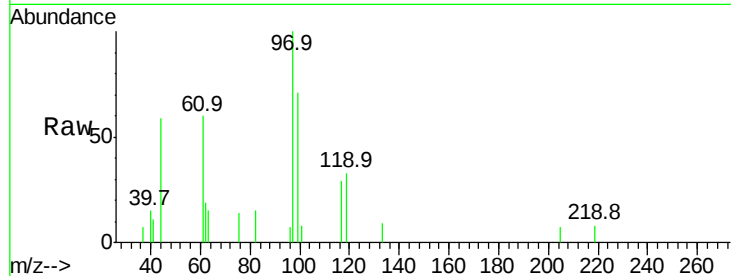
Tgt Ion: 97 Resp: 1783

Ion Ratio Lower Upper

97 100

99 157.0 51.1 76.7#

61 125.7 39.7 59.5#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

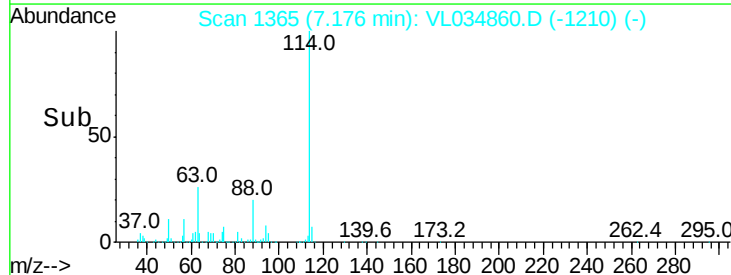
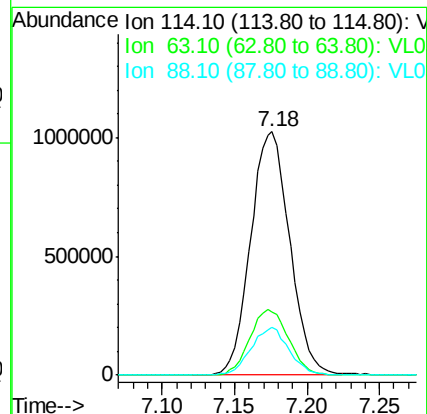
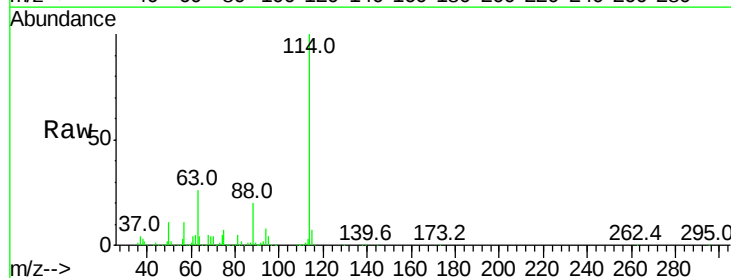
Tgt Ion: 114 Resp: 1924674

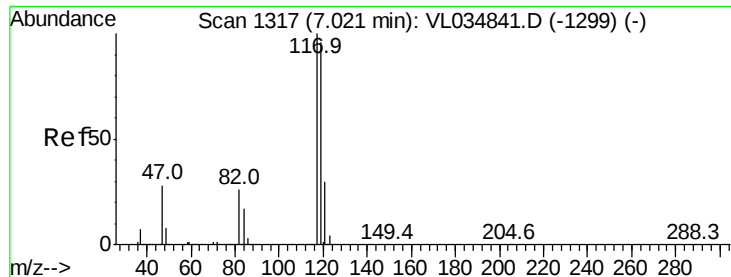
Ion Ratio Lower Upper

114 100

63 26.8 20.6 31.0

88 19.3 15.0 22.6





#35

Carbon Tetrachloride

Concen: 0.016 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

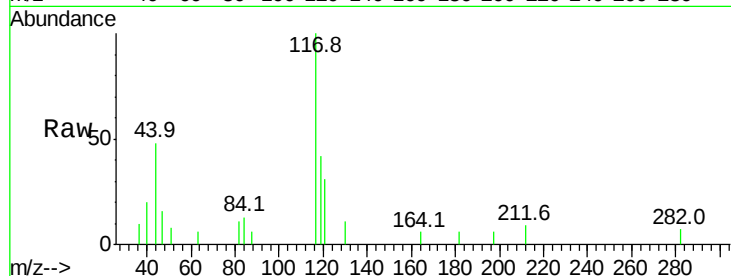
Tgt Ion:117 Resp: 1879

Ion Ratio Lower Upper

117 100

119 34.0 77.0 115.4#

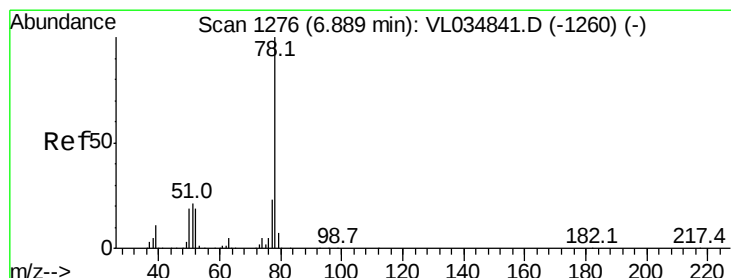
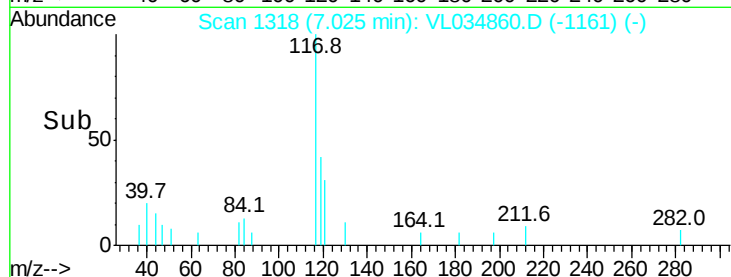
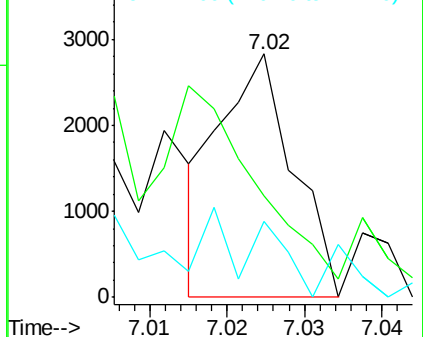
121 20.6 24.0 36.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.021 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

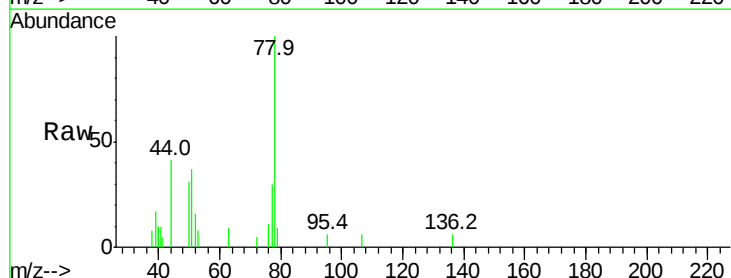
Tgt Ion: 78 Resp: 3559

Ion Ratio Lower Upper

78 100

77 26.1 18.2 27.2

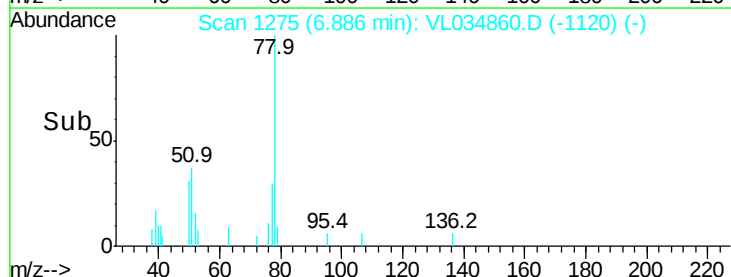
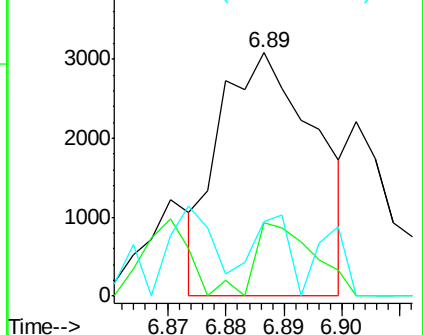
50 2.8 15.2 22.8#

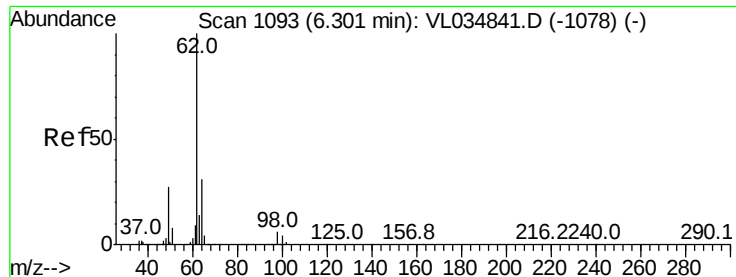


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.017 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.01 min

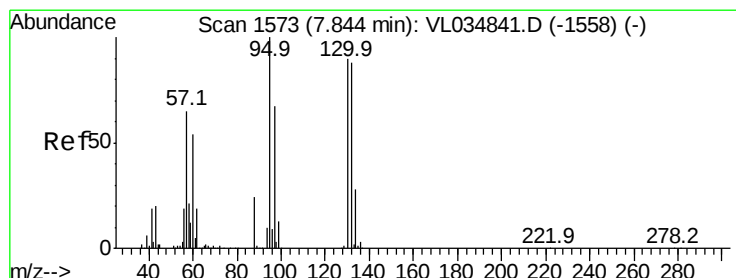
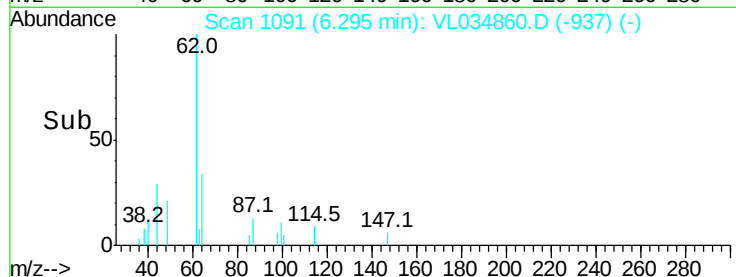
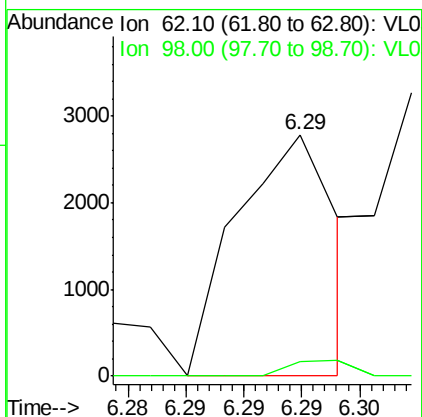
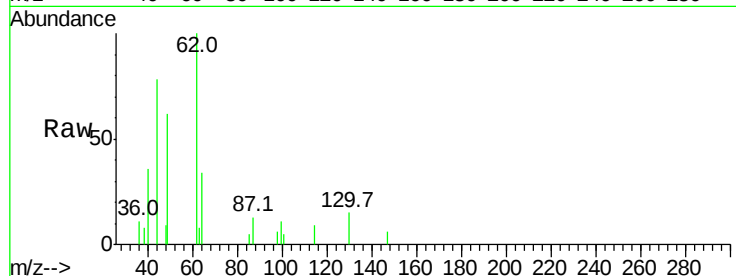
Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 62 Resp: 1654

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.2	7.8#



#38

Trichloroethene

Concen: 0.013 ppbv

RT: 7.84 min Scan# 1571

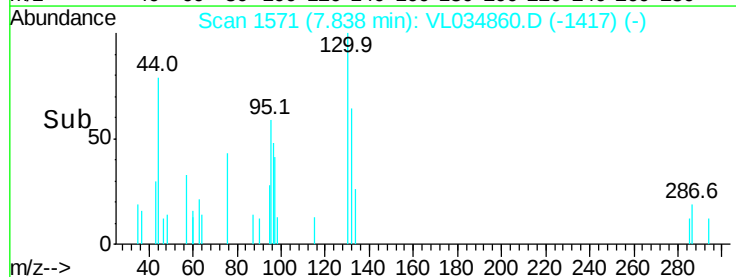
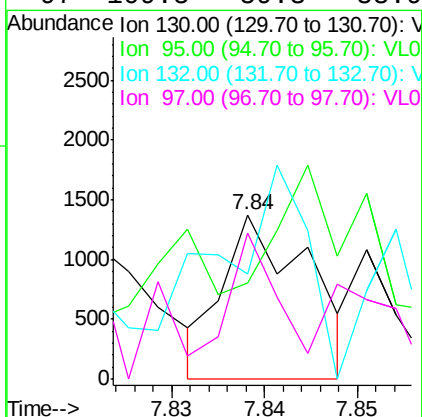
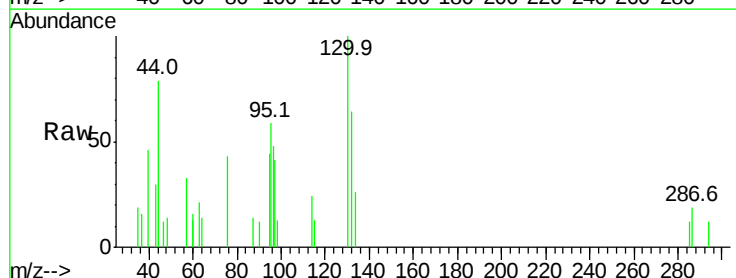
Delta R.T. -0.01 min

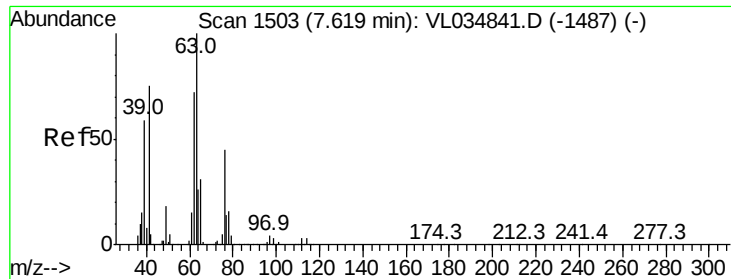
Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Tgt Ion: 130 Resp: 878

Ion	Ratio	Lower	Upper
130	100		
95	0.0	88.5	132.7#
132	93.5	78.0	117.0
97	109.5	59.3	88.9#





#39

1,2-Dichloropropane

Concen: 7.563 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

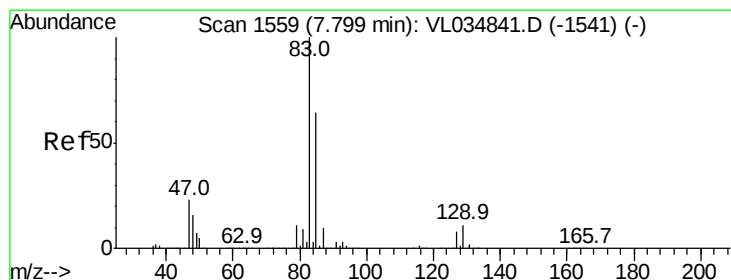
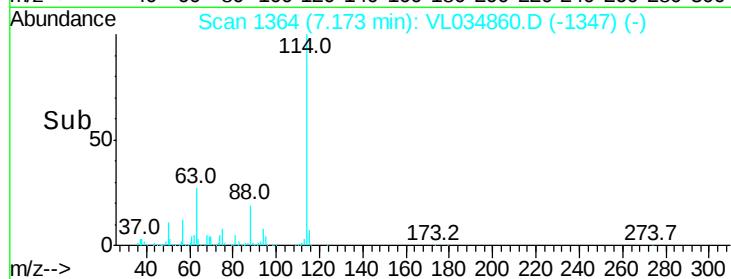
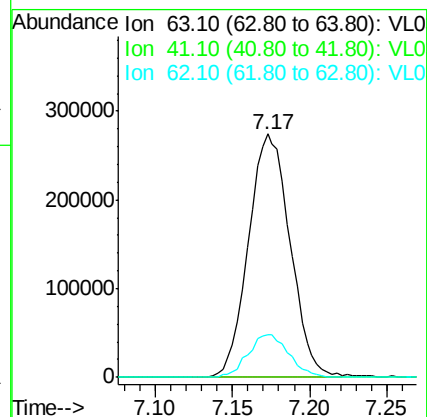
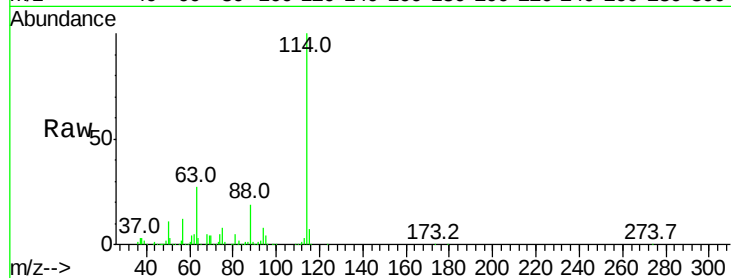
Tgt Ion: 63 Resp: 514075

Ion Ratio Lower Upper

63 100

41 0.0 59.8 89.8#

62 17.6 57.6 86.4#



#42

Bromodichloromethane

Concen: 0.017 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

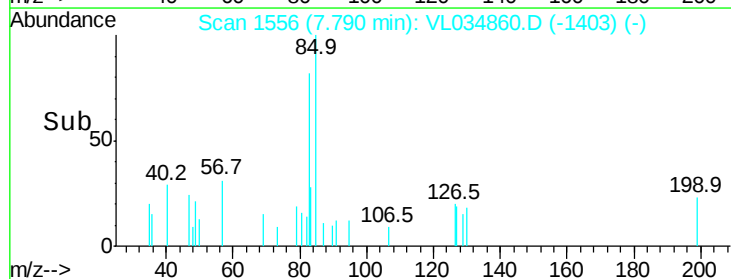
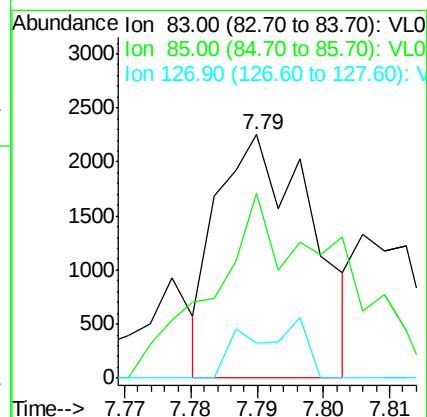
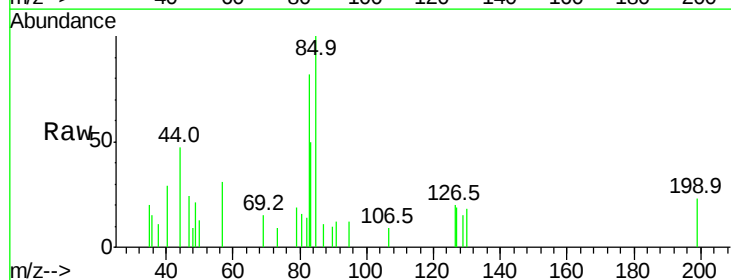
Tgt Ion: 83 Resp: 2232

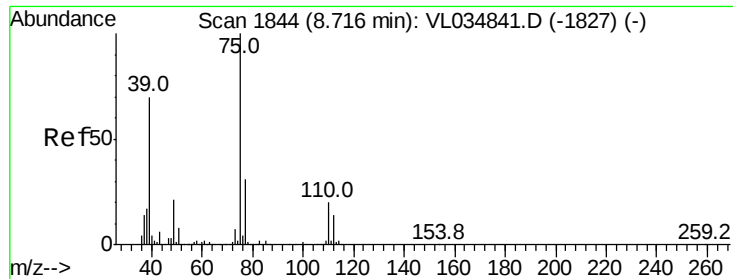
Ion Ratio Lower Upper

83 100

85 59.9 51.4 77.2

127 19.4 6.2 9.4#





#46

cis-1,3-Dichloropropene

Concen: 0.010 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

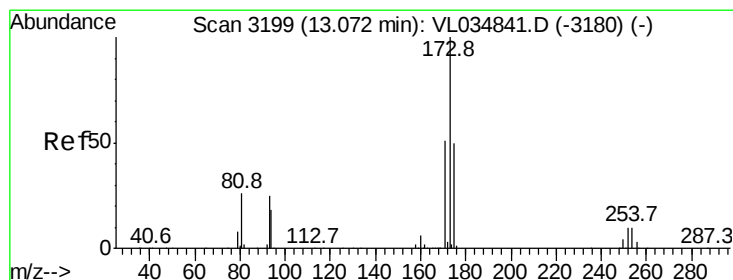
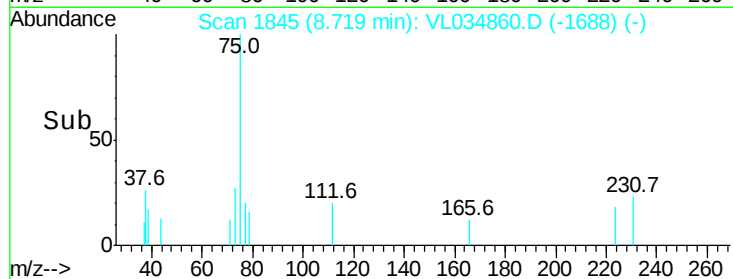
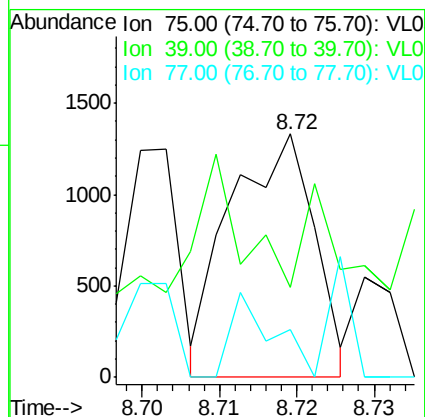
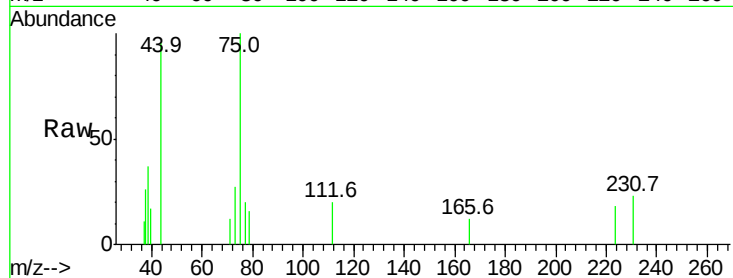
Tgt Ion: 75 Resp: 1012

Ion Ratio Lower Upper

75 100

39 0.0 55.7 83.5#

77 22.5 24.7 37.1#



#49

Bromoform

Concen: 0.011 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

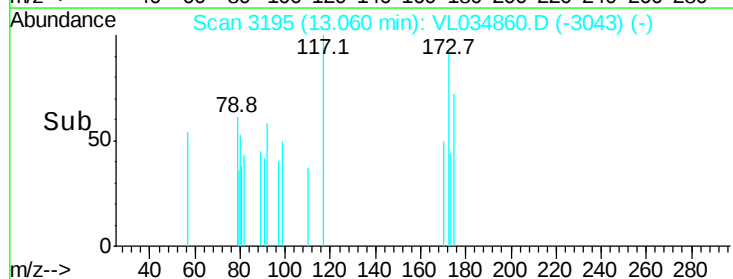
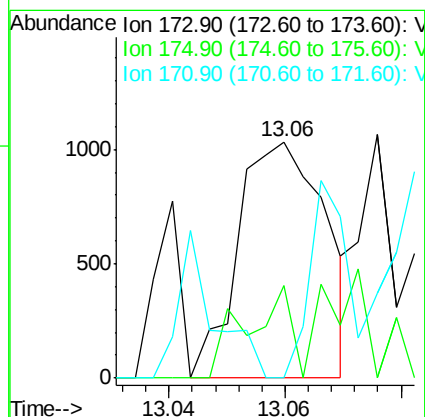
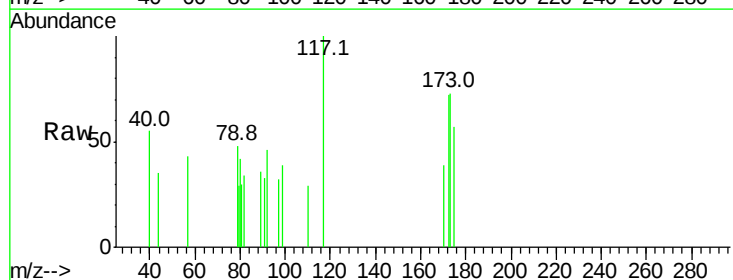
Tgt Ion: 173 Resp: 1077

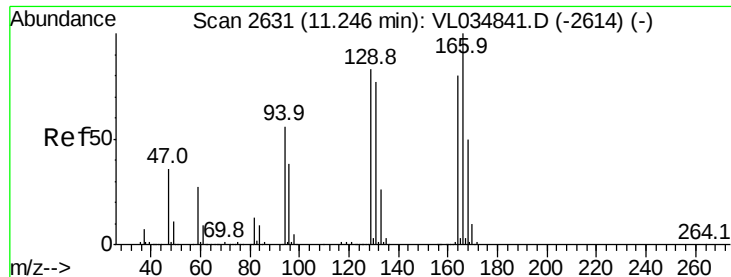
Ion Ratio Lower Upper

173 100

175 0.0 39.6 59.4#

171 0.0 41.0 61.6#





#52

Tetrachloroethene

Concen: 0.014 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tgt Ion:164 Resp: 964

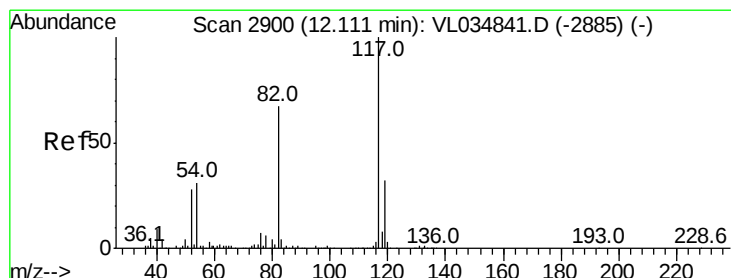
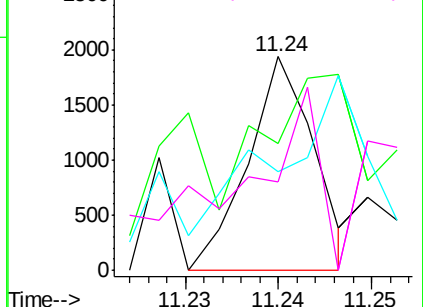
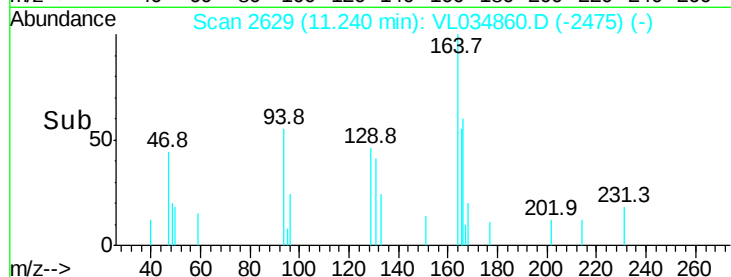
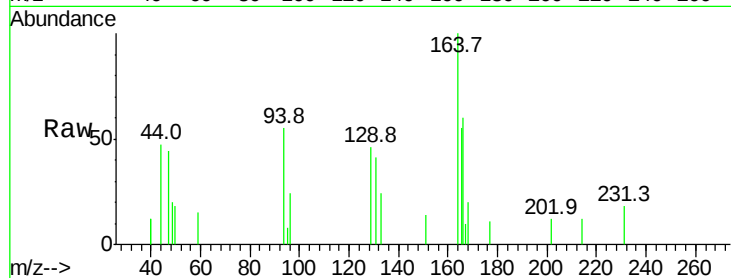
Ion Ratio Lower Upper

164 100

166 0.0 100.0 150.0#

129 30.1 83.1 124.7#

131 41.5 77.2 115.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

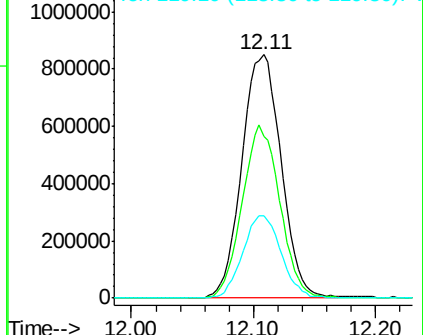
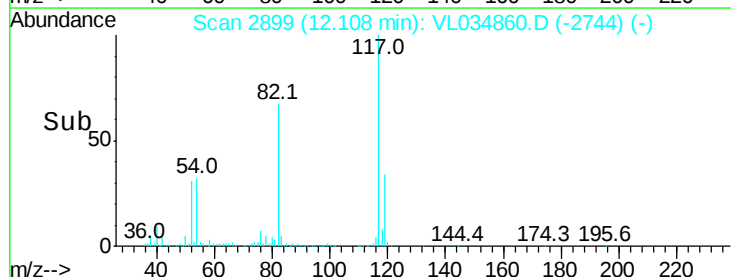
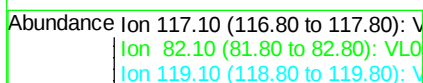
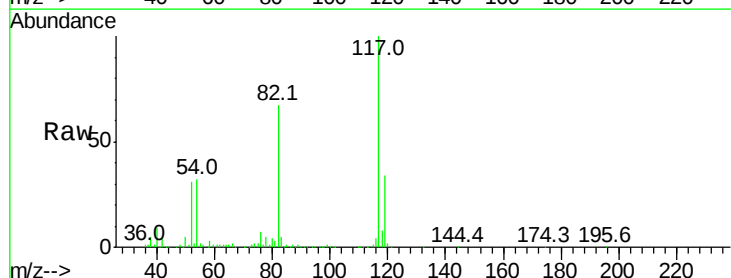
Tgt Ion:117 Resp: 1892966

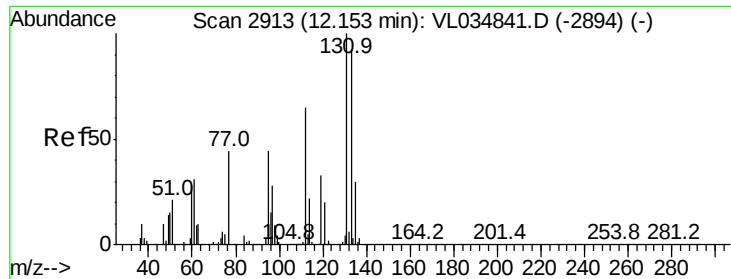
Ion Ratio Lower Upper

117 100

82 68.6 51.1 76.7

119 33.3 27.3 40.9

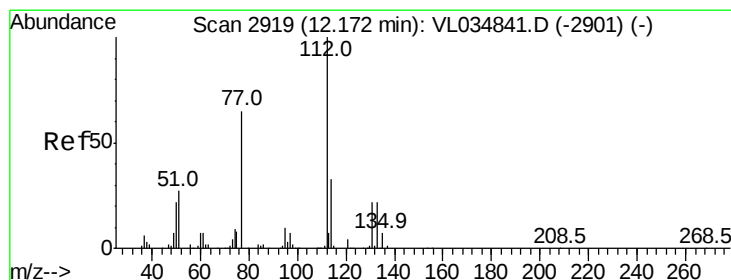
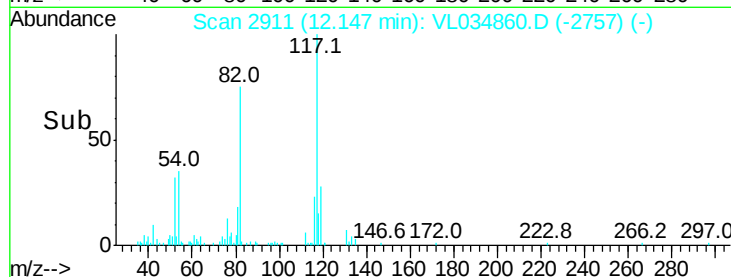
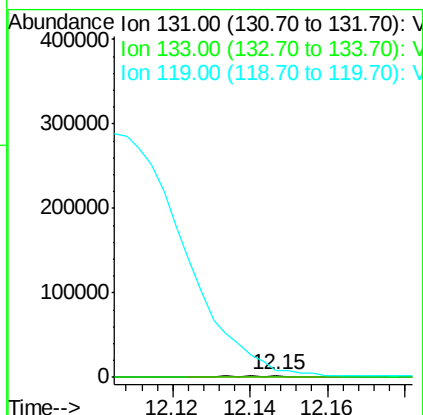
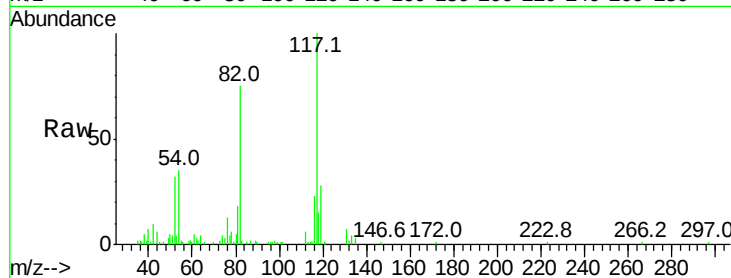




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.028 ppbv
 RT: 12.15 min Scan# 2911
 Delta R.T. -0.01 min
 Lab File: VL034860.D
 Acq: 10 Mar 2020 4:58

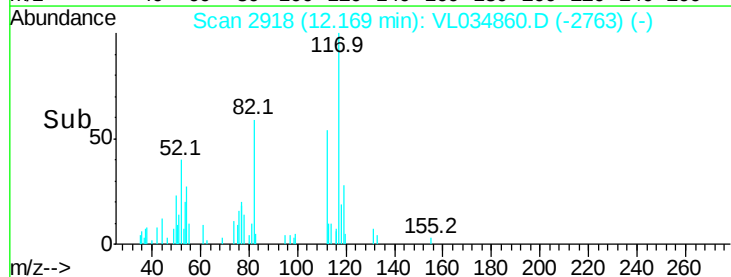
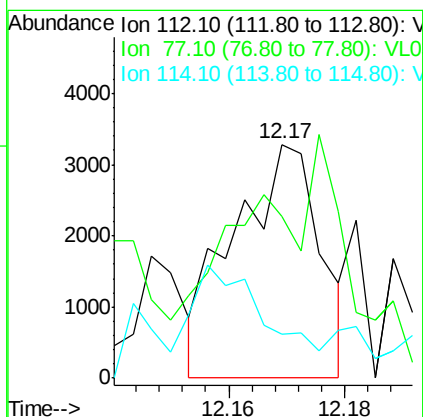
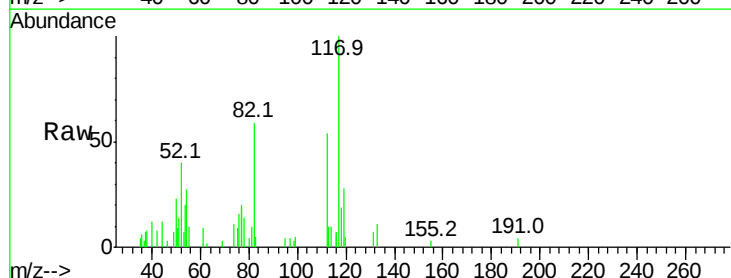
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

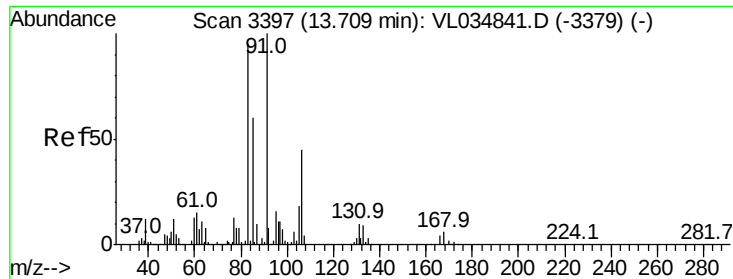
Tgt Ion:131 Resp: 2418
 Ion Ratio Lower Upper
 131 100
 133 0.0 76.0 114.0#
 119 0.0 47.8 71.8#



#57
 Chlorobenzene
 Concen: 0.023 ppbv
 RT: 12.17 min Scan# 2918
 Delta R.T. -0.00 min
 Lab File: VL034860.D
 Acq: 10 Mar 2020 4:58

Tgt Ion:112 Resp: 3407
 Ion Ratio Lower Upper
 112 100
 77 46.4 53.0 79.6#
 114 0.0 29.5 36.1#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.011 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

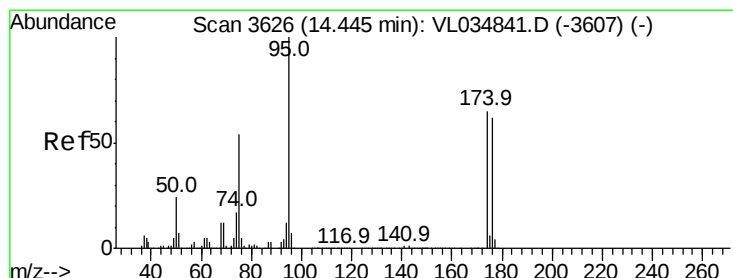
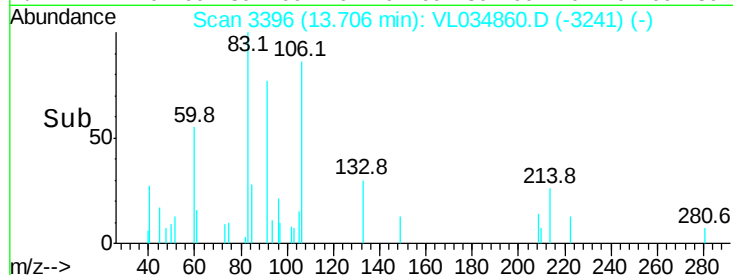
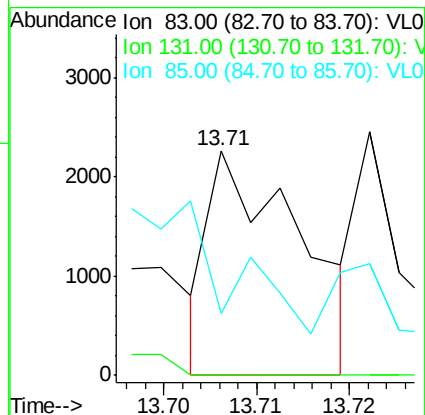
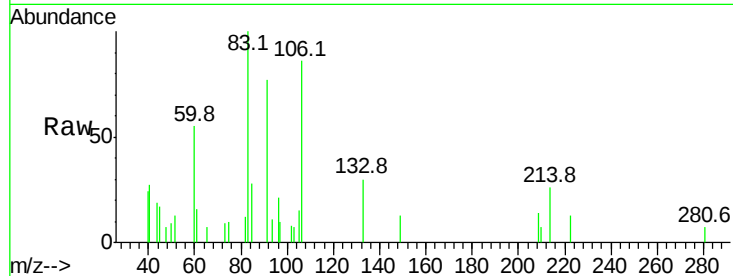
Tgt Ion: 83 Resp: 1539

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 197.0 32.4 97.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.405 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL034860.D

Acq: 10 Mar 2020 4:58

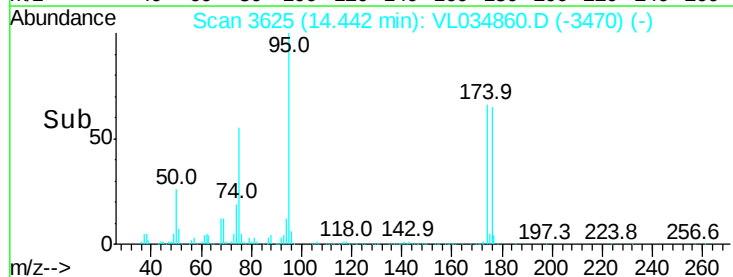
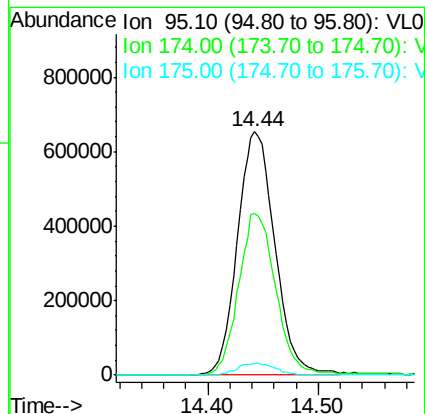
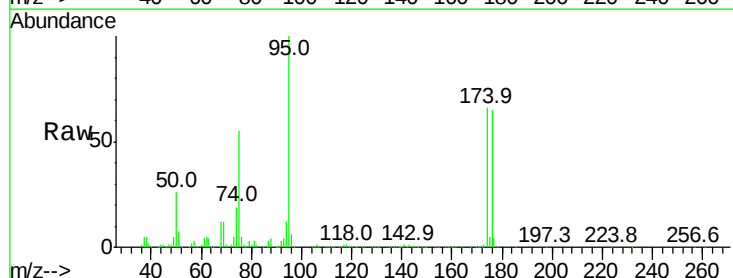
Tgt Ion: 95 Resp: 1536062

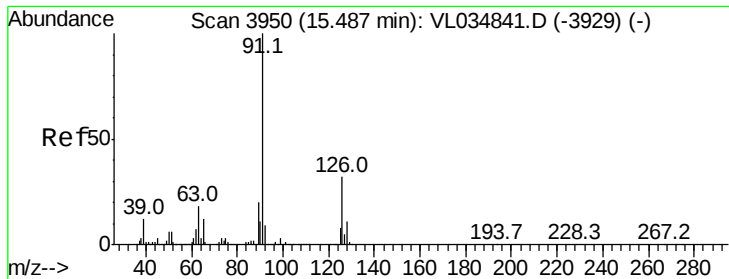
Ion Ratio Lower Upper

95 100

174 66.8 55.2 82.8

175 5.1 4.3 6.5

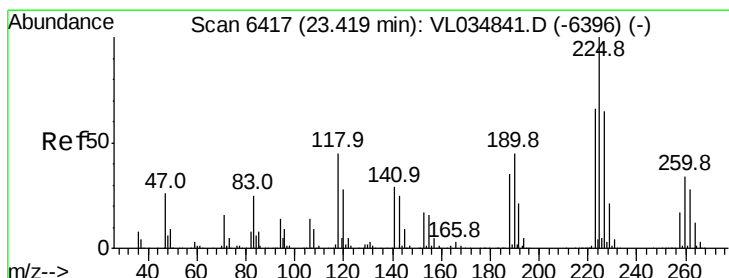
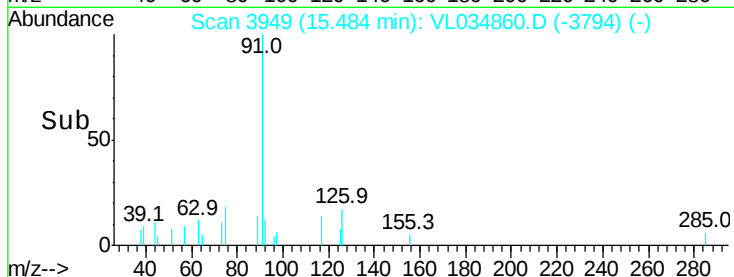
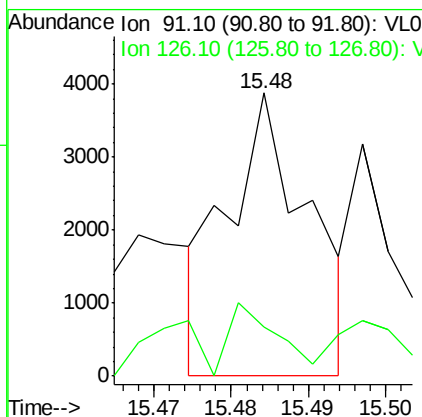
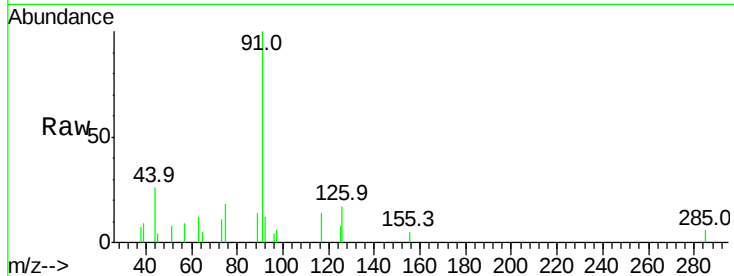




#71
 2-Chlorotoluene
 Concen: 0.012 ppbv
 RT: 15.48 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VL034860.D
 Acq: 10 Mar 2020 4:58

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 91 Resp: 2807
 Ion Ratio Lower Upper
 91 100
 126 53.8 12.3 49.1#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.012 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL034860.D
 Acq: 10 Mar 2020 4:58

Tgt Ion: 225 Resp: 1421
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.1 76.7#
 227 0.0 51.8 77.6#

