

Data File : VL034857.D
Acq On : 10 Mar 2020 3:06
Operator : SY/AP
Sample : L1161-14 0.03 LOQ
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2020

Quant Time: Mar 10 09:40:16 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	874738	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1971055	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1913874	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1538065	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

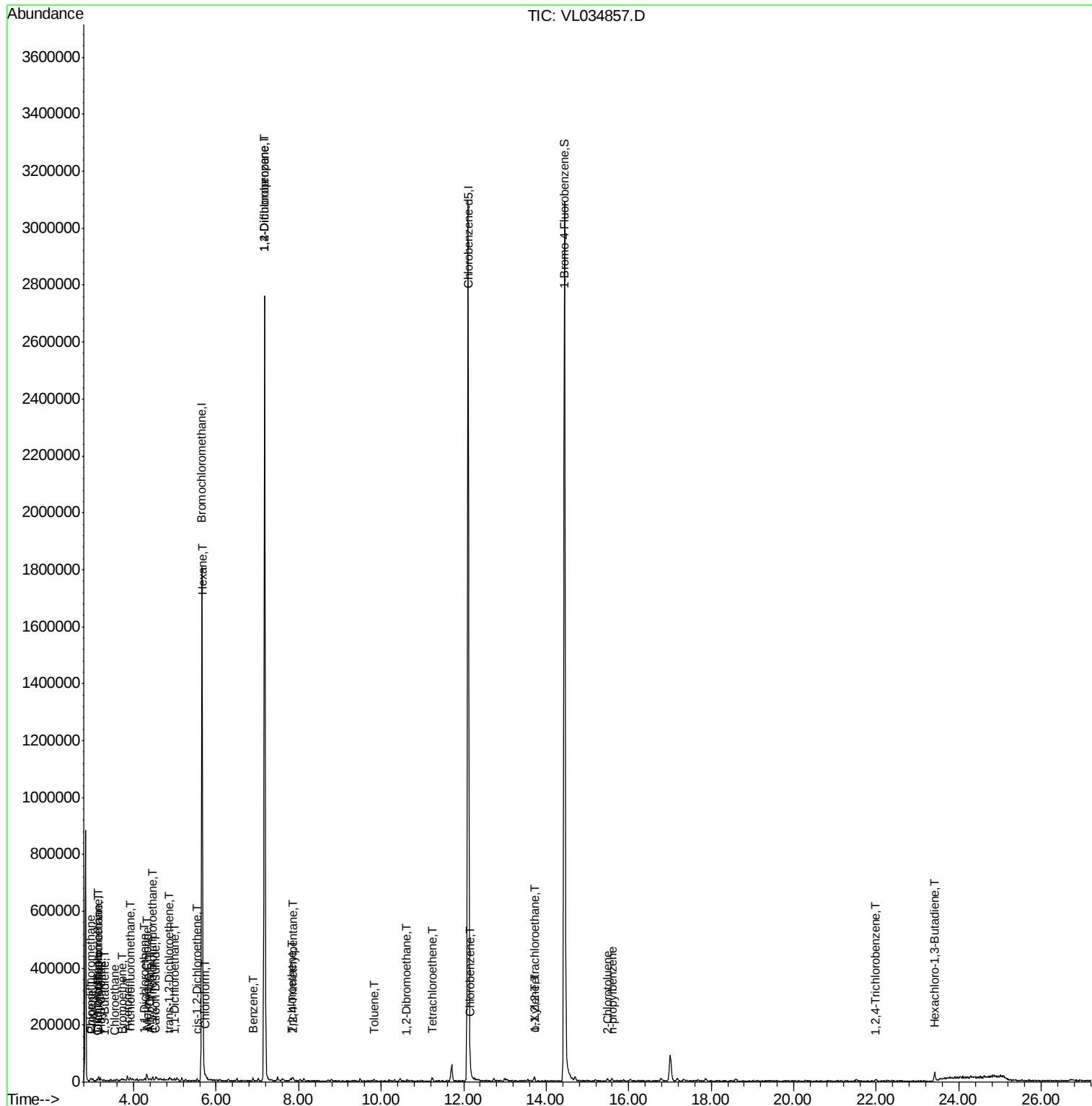
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.14	85	2657	0.022	ppbv	95
3) Chlorodifluoromethane	2.95	51	3800	0.039	ppbv	95
4) Chloromethane	3.10	50	985	0.018	ppbv #	41
5) Vinyl Chloride	3.21	62	1232	0.023	ppbv #	80
7) Chloroethane	3.52	64	336	0.018	ppbv #	44
8) Dichlorotetrafluoroethane	3.14	85	2657	0.021	ppbv #	16
9) Propene	2.96	41	1021	0.022	ppbv #	15
11) Trichlorofluoromethane	3.92	101	1885	0.015	ppbv #	73
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2669	0.030	ppbv	97
14) Bromoethene	3.70	108	471	0.012	ppbv #	6
15) Acetone	3.84	43	5875	0.052	ppbv #	49
16) 1,3-Butadiene	3.29	39	1606	0.031	ppbv #	80
18) 1,1-Dichloroethene	4.26	96	636	0.016	ppbv #	29
20) Methylene Chloride	4.32	84	4492	0.125	ppbv #	73
21) Allyl Chloride	4.38	41	2367	0.033	ppbv #	55
22) trans-1,2-Dichloroethene	4.86	96	565	0.014	ppbv #	7
24) 1,1-Dichloroethane	5.00	63	3735	0.033	ppbv #	88
26) Hexane	5.67	57	1771	0.020	ppbv #	1
27) Carbon Disulfide	4.53	76	1300	0.013	ppbv #	62
29) Chloroform	5.74	83	2147	0.016	ppbv #	16
31) cis-1,2-Dichloroethene	5.53	61	958	0.011	ppbv #	49
36) Benzene	6.89	78	2875	0.016	ppbv #	68
38) Trichloroethene	7.83	130	1285	0.019	ppbv #	25
39) 1,2-Dichloropropane	7.17	63	506907	7.282	ppbv #	23
44) 2,2,4-Trimethylpentane	7.87	57	5589	0.019	ppbv #	62
52) Tetrachloroethene	11.24	164	745	0.011	ppbv #	5
53) Toluene	9.82	91	2877	0.014	ppbv #	34
54) 1,2-Dibromoethane	10.63	107	2059	0.019	ppbv #	36
57) Chlorobenzene	12.17	112	2114	0.014	ppbv #	57
60) o-Xylene	13.72	91	3102	0.015	ppbv #	26
63) 1,1,2,2-Tetrachloroethane	13.70	83	1579	0.011	ppbv #	1
64) n-propylbenzene	15.59	120	925	0.011	ppbv #	1
71) 2-Chlorotoluene	15.49	91	2625	0.011	ppbv #	44
78) Hexachloro-1,3-Butadiene	23.41	225	1566	0.013	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.98	180	1317	0.011	ppbv #	12

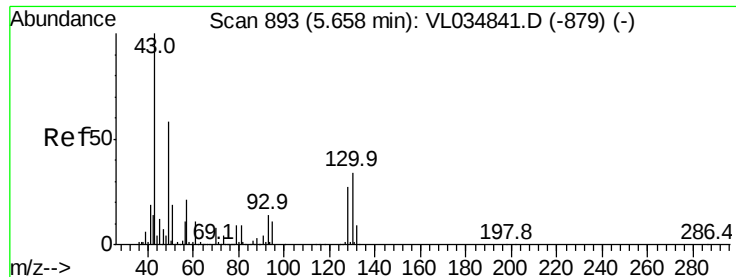
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2020

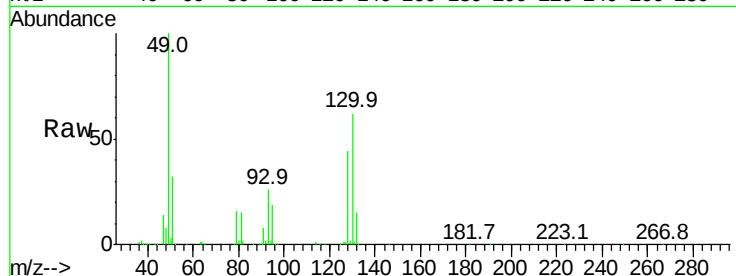
Tgt Ion: 49 Resp: 874738

Ion Ratio Lower Upper

49 100

128 47.5 23.4 70.3

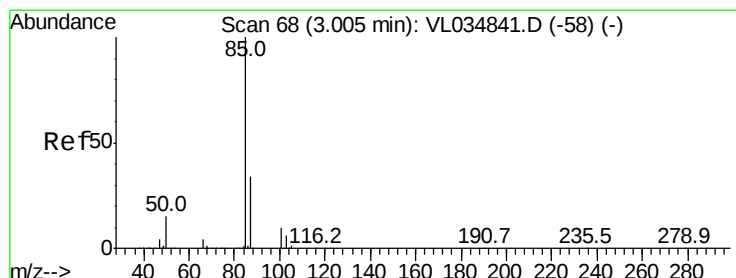
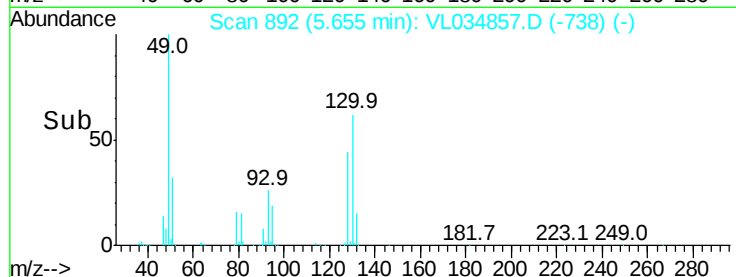
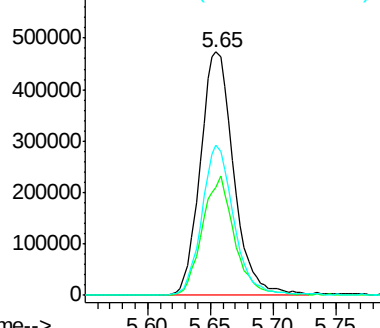
130 59.9 30.0 90.0



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: 0.022 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.14 min

Lab File: VL034857.D

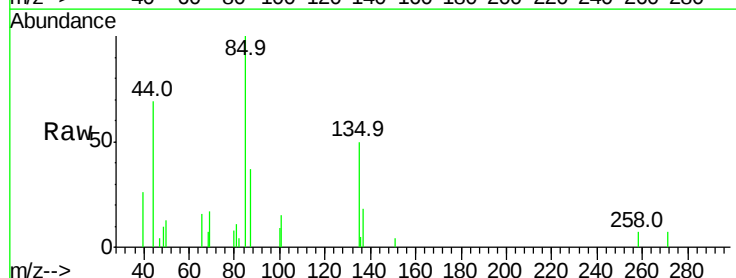
Acq: 10 Mar 2020 3:06

Tgt Ion: 85 Resp: 2657

Ion Ratio Lower Upper

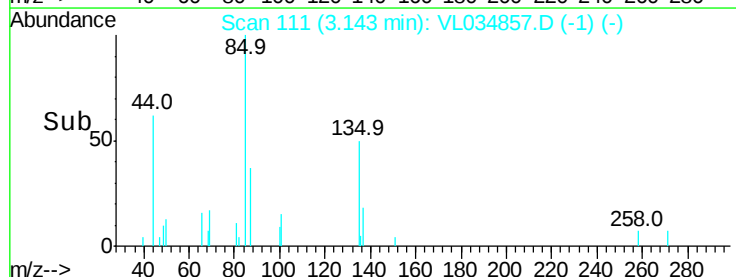
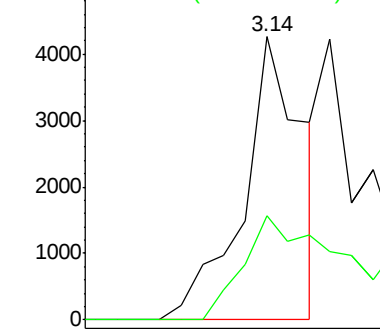
85 100

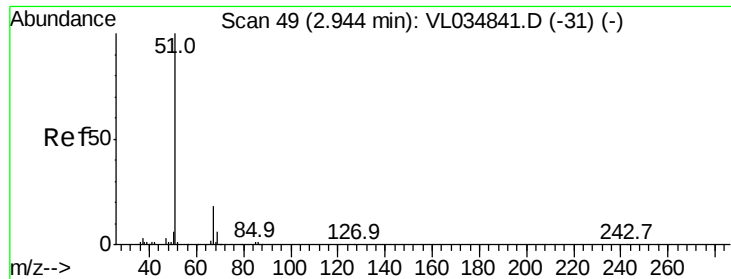
87 36.7 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

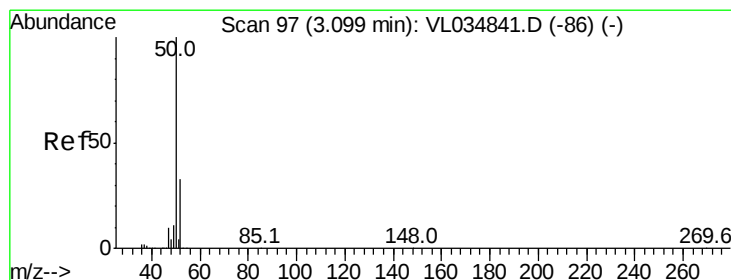
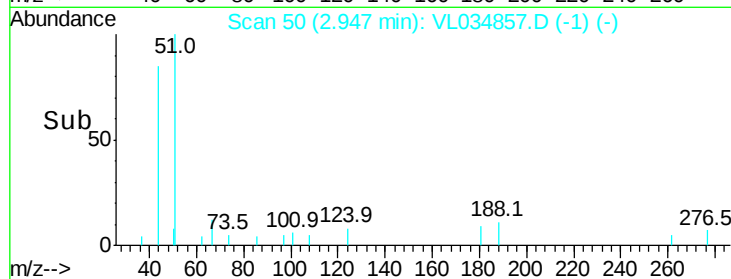
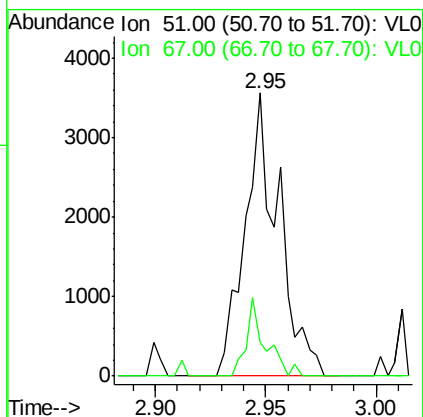
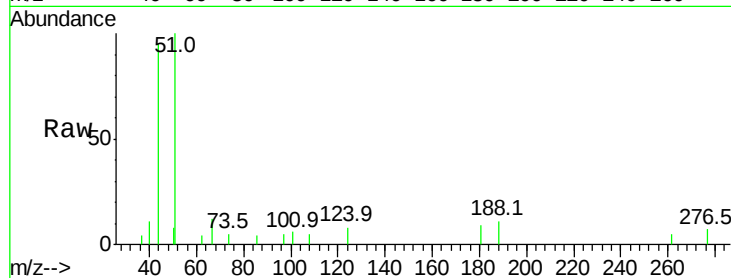




#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

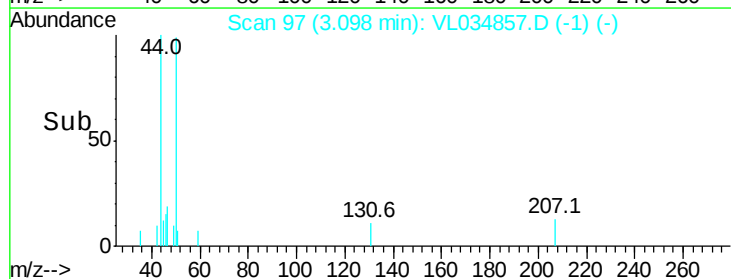
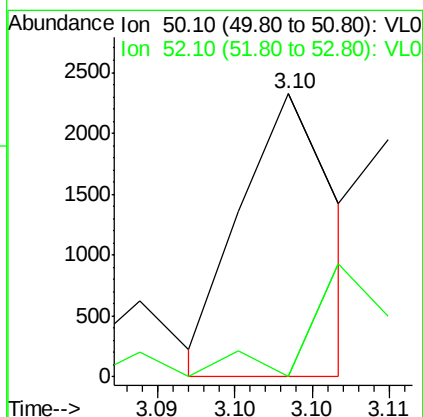
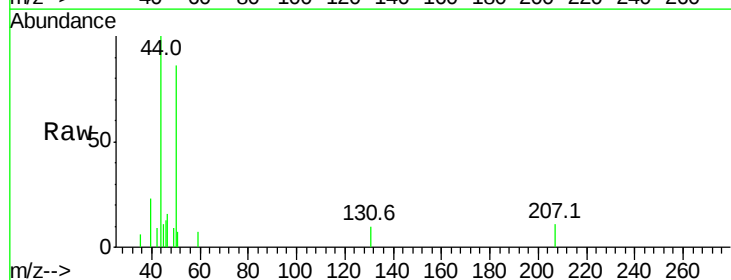
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2020

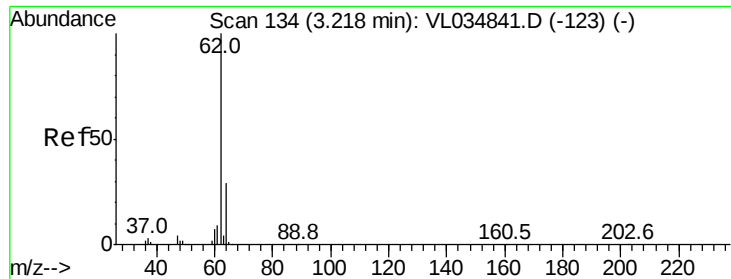
Tgt Ion: 51 Resp: 3800
Ion Ratio Lower Upper
51 100
67 15.5 14.3 21.5



#4
Chloromethane
Concen: 0.018 ppbv
RT: 3.10 min Scan# 97
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Tgt Ion: 50 Resp: 985
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#





#5

Vinyl Chloride

Concen: 0.023 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

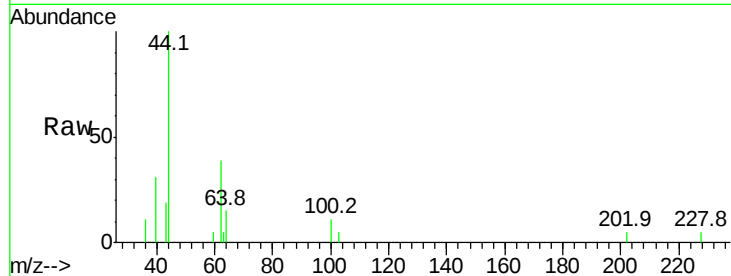
LOQ-AIR-01-QT1-2020

Tgt Ion: 62 Resp: 1232

Ion Ratio Lower Upper

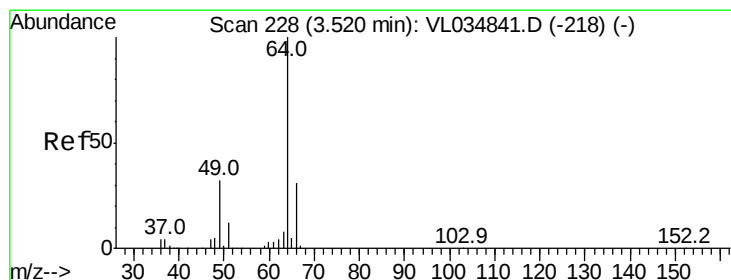
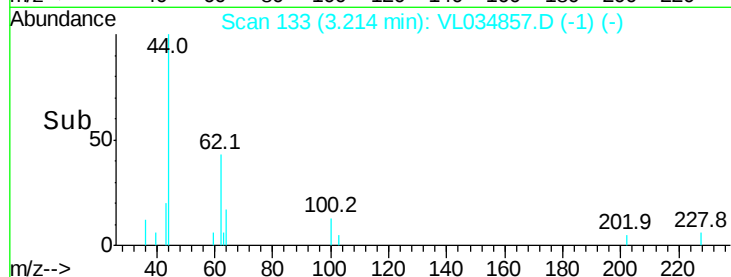
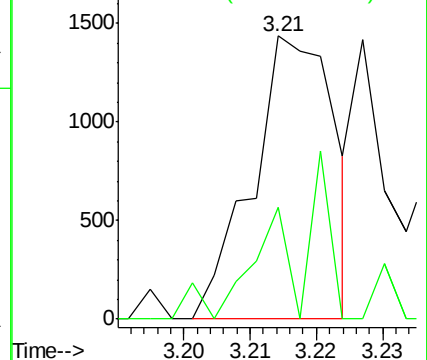
62 100

64 39.4 23.0 34.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 0.018 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034857.D

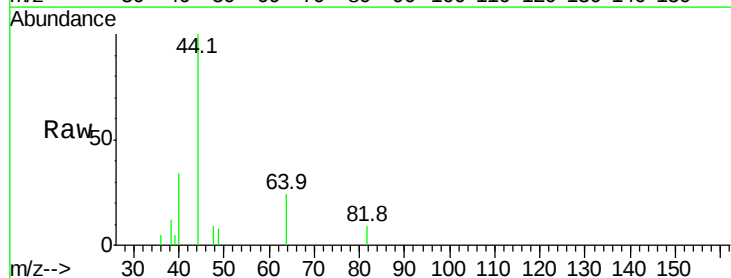
Acq: 10 Mar 2020 3:06

Tgt Ion: 64 Resp: 336

Ion Ratio Lower Upper

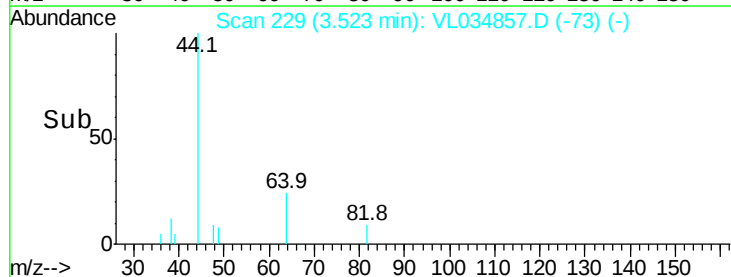
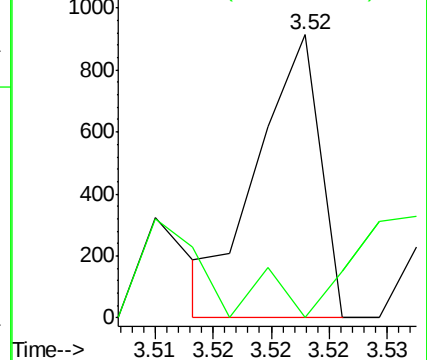
64 100

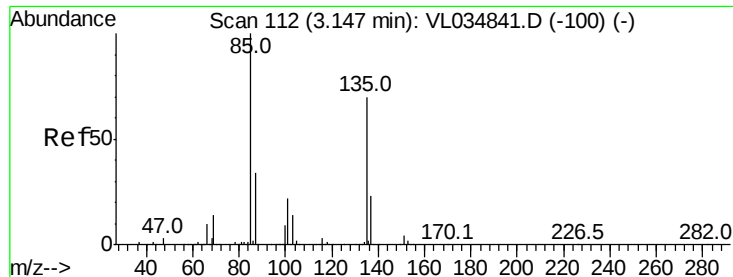
66 0.0 24.8 37.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.021 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

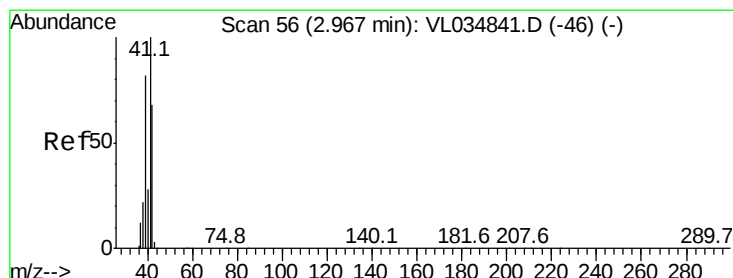
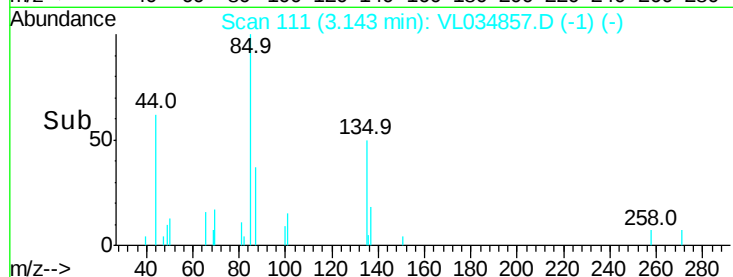
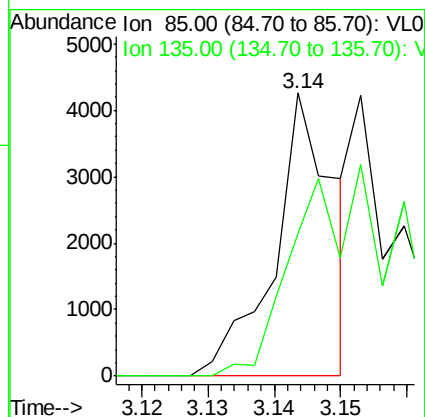
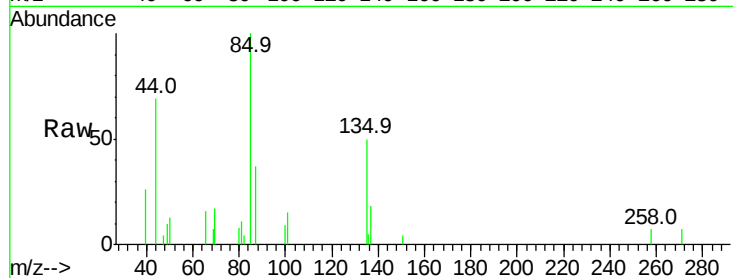
LOQ-AIR-01-QT1-2020

Tgt Ion: 85 Resp: 2657

Ion Ratio Lower Upper

85 100

135 0.0 54.3 81.5#



#9

Propene

Concen: 0.022 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL034857.D

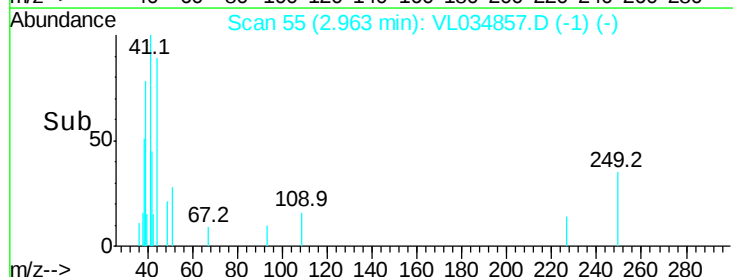
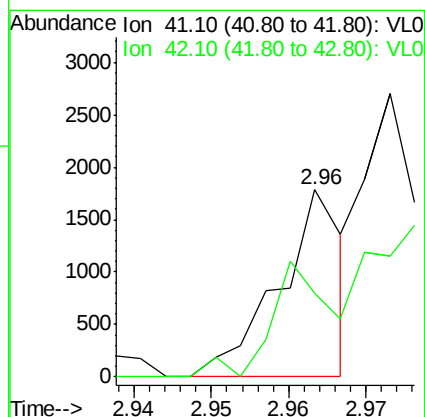
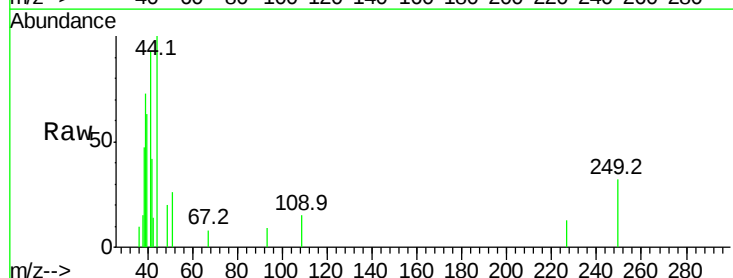
Acq: 10 Mar 2020 3:06

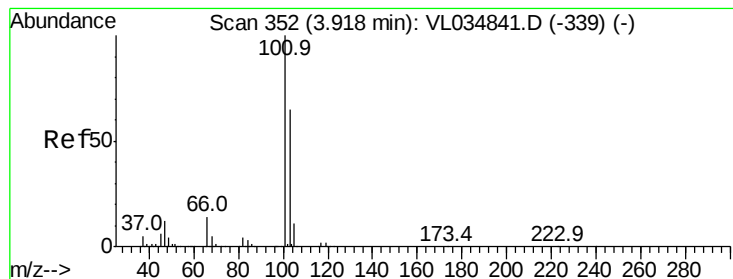
Tgt Ion: 41 Resp: 1021

Ion Ratio Lower Upper

41 100

42 0.0 55.2 82.8#





#11

Trichlorofluoromethane

Concen: 0.015 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

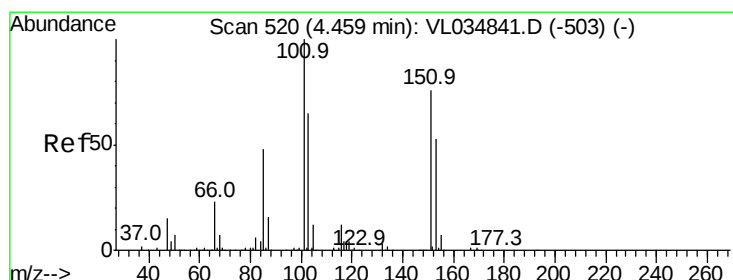
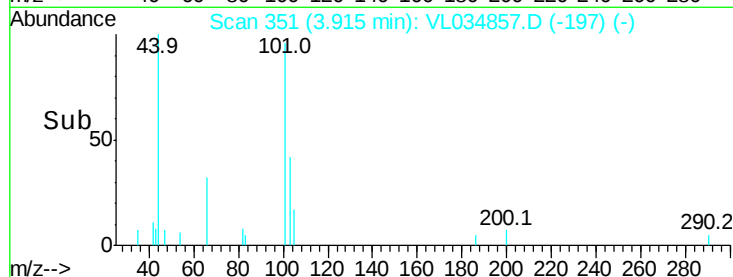
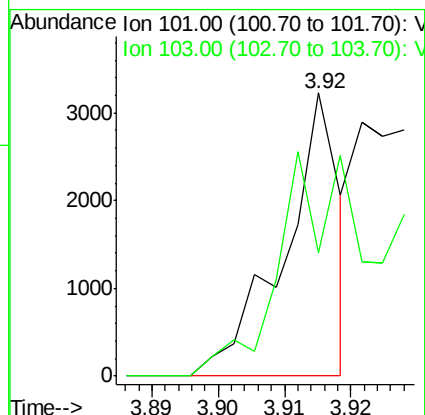
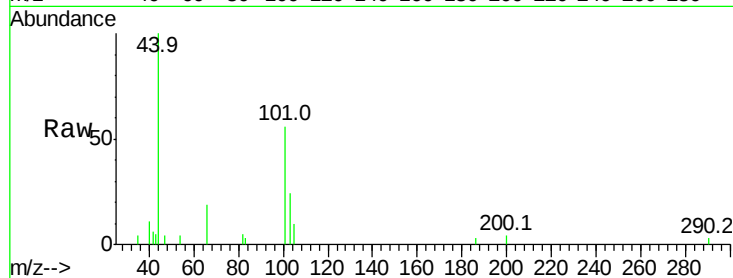
LOQ-AIR-01-QT1-2020

Tgt Ion:101 Resp: 1885

Ion Ratio Lower Upper

101 100

103 43.5 51.8 77.8#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.030 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL034857.D

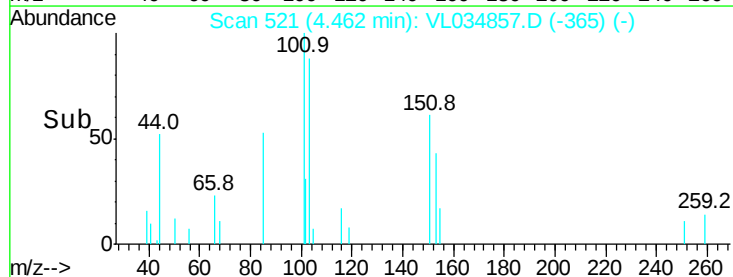
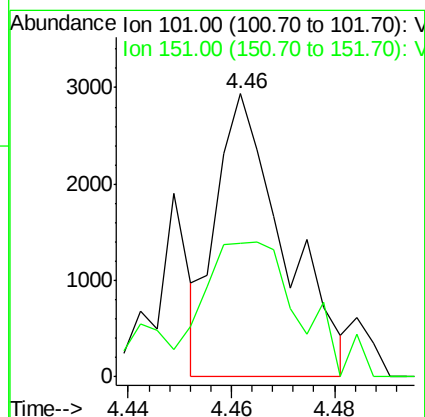
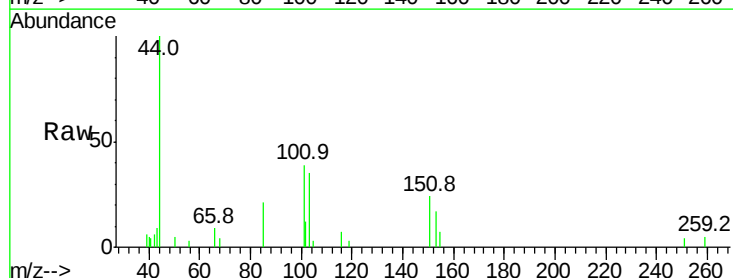
Acq: 10 Mar 2020 3:06

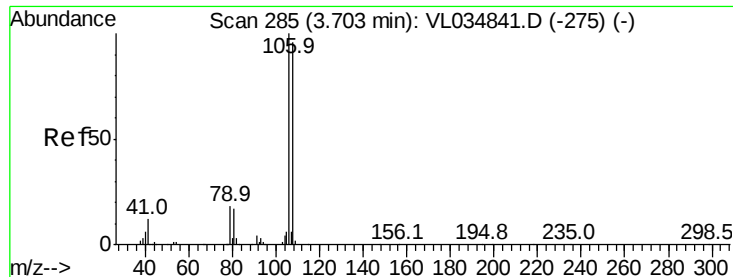
Tgt Ion:101 Resp: 2669

Ion Ratio Lower Upper

101 100

151 78.9 60.8 91.2





#14

Bromoethene

Concen: 0.012 ppbv

RT: 3.70 min Scan# 285

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

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LOQ-AIR-01-QT1-2020

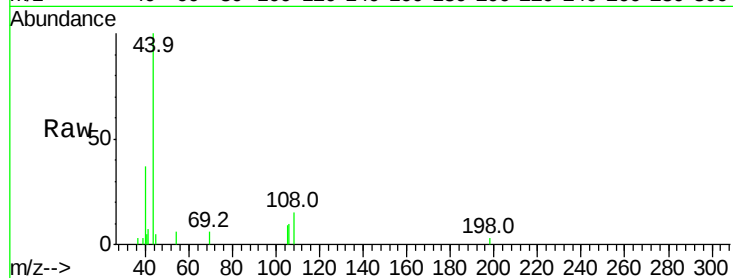
Tgt Ion: 108 Resp: 471

Ion Ratio Lower Upper

108 100

106 0.0 85.1 127.7#

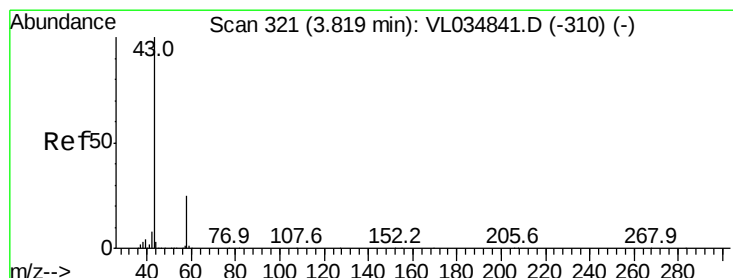
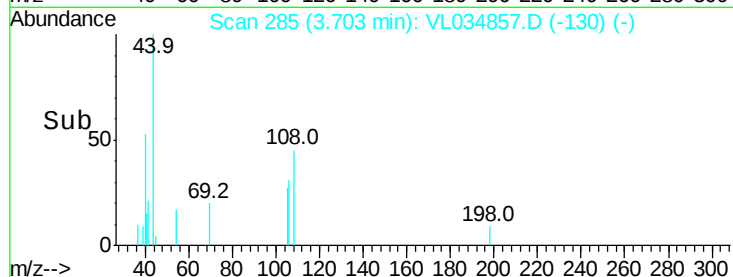
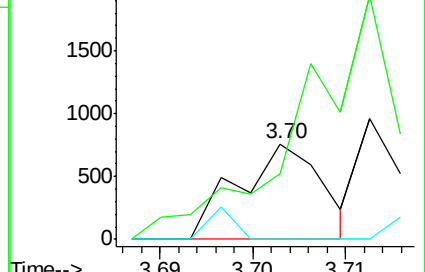
79 0.0 14.7 22.1#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): V



#15

Acetone

Concen: 0.052 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.03 min

Lab File: VL034857.D

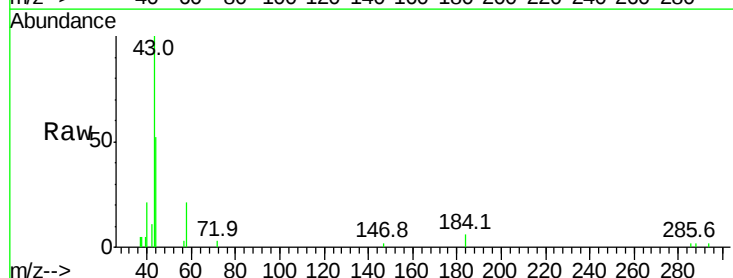
Acq: 10 Mar 2020 3:06

Tgt Ion: 43 Resp: 5875

Ion Ratio Lower Upper

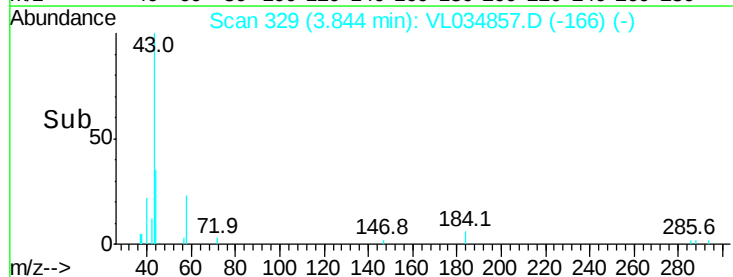
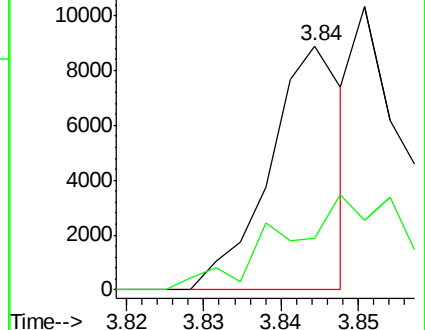
43 100

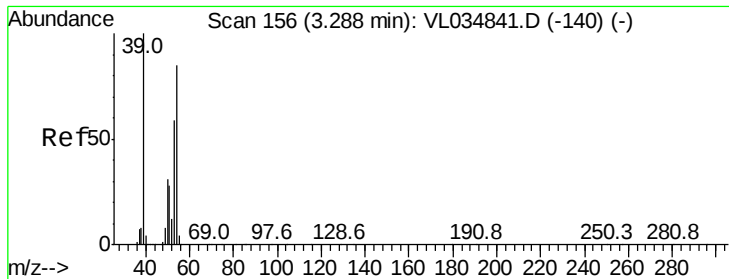
58 0.0 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

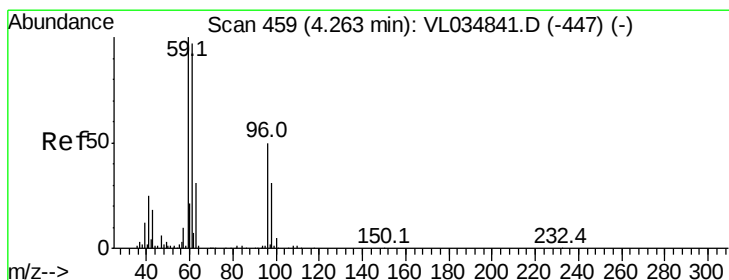
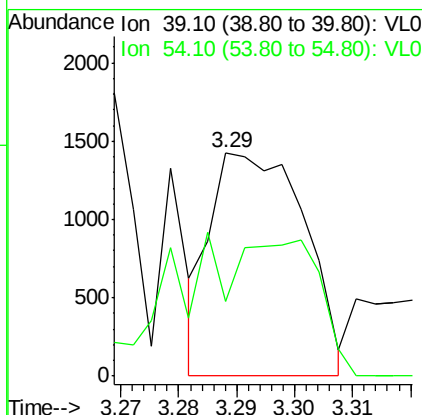
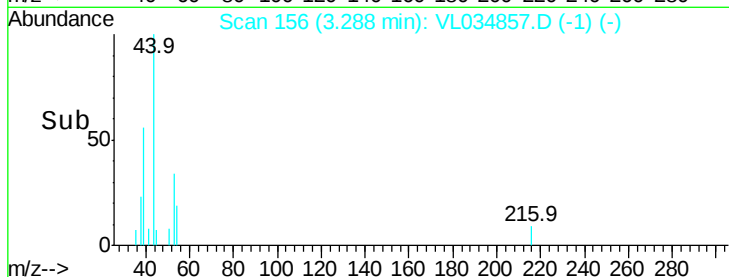
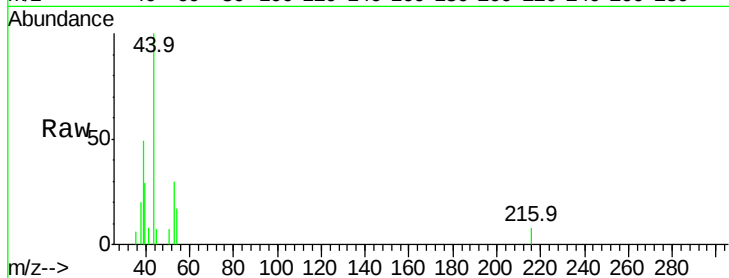




#16
 1,3-Butadiene
 Concen: 0.031 ppbv
 RT: 3.29 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

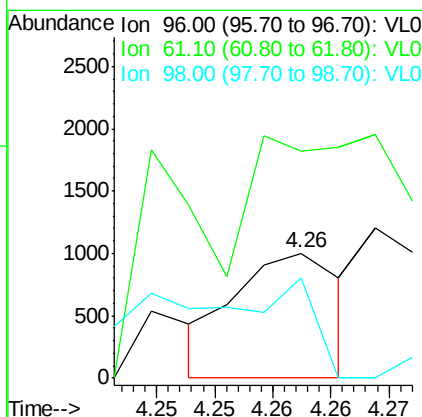
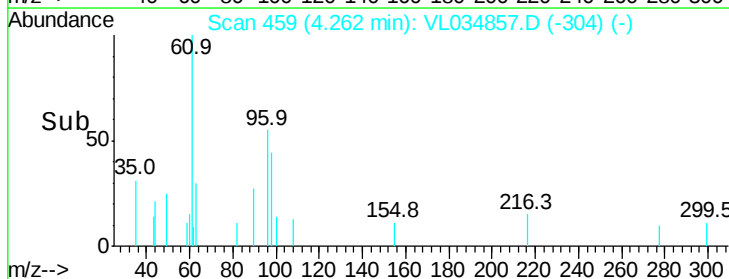
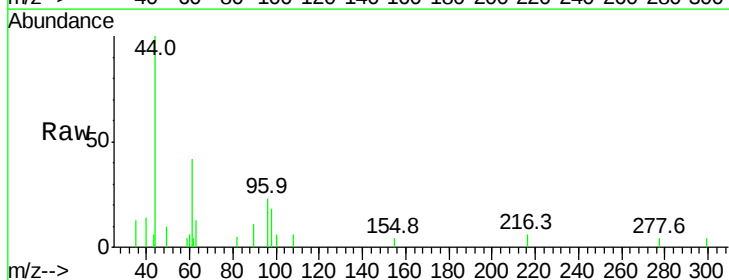
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2020

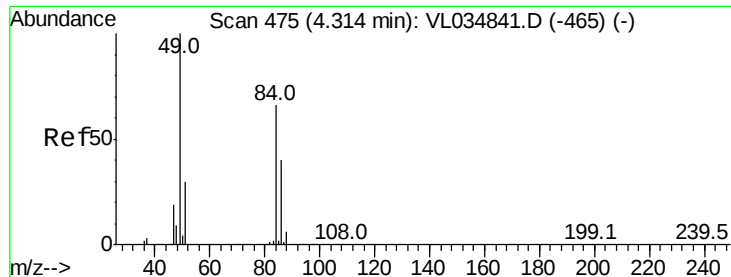
Tgt Ion: 39 Resp: 1606
 Ion Ratio Lower Upper
 39 100
 54 99.4 65.0 97.6#



#18
 1,1-Dichloroethene
 Concen: 0.016 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Tgt Ion: 96 Resp: 636
 Ion Ratio Lower Upper
 96 100
 61 105.3 157.3 235.9#
 98 141.5 50.2 75.4#

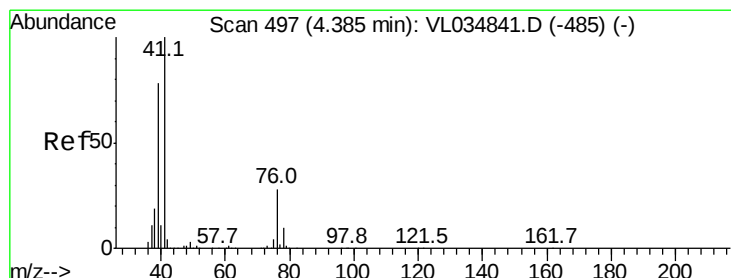
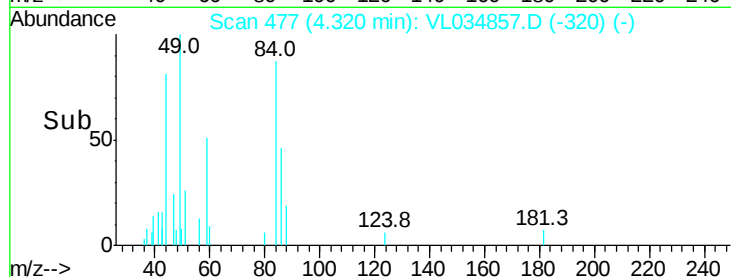
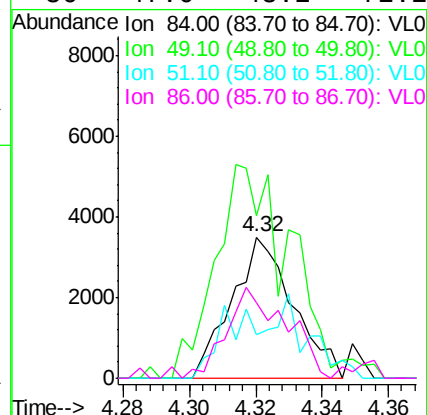
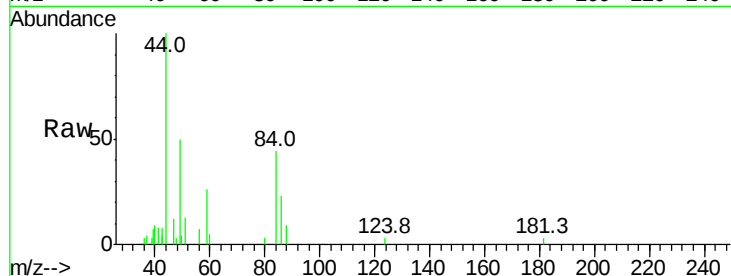




#20
Methylene Chloride
Concen: 0.125 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

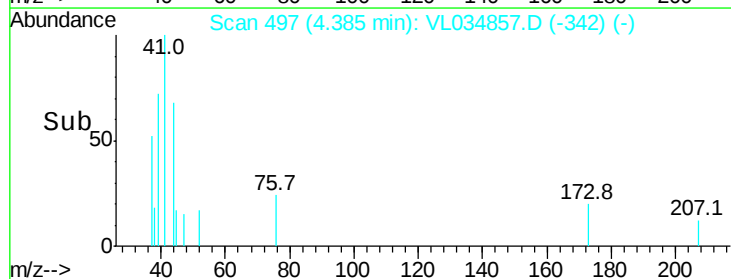
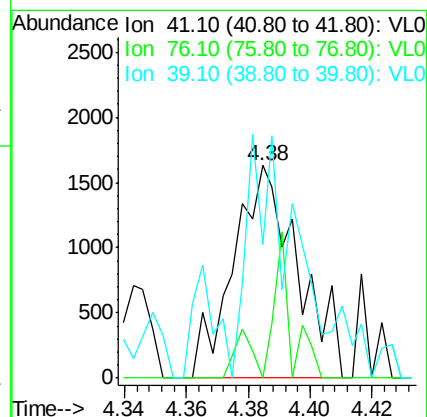
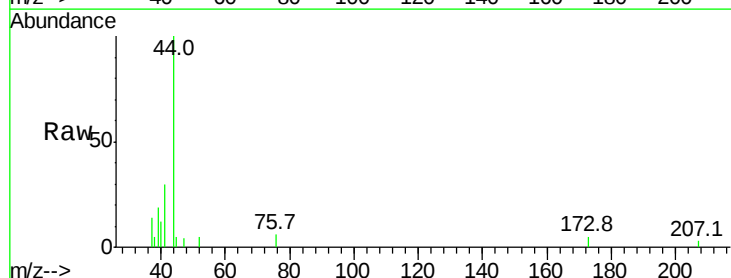
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2020

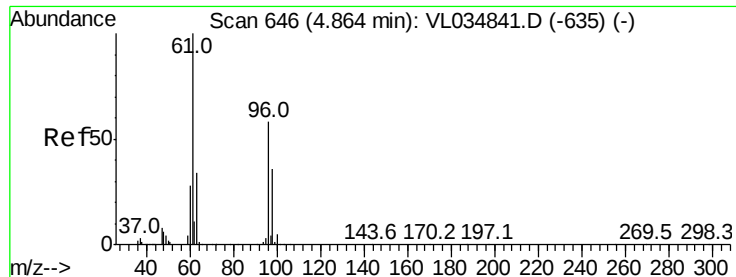
Tgt Ion: 84 Resp: 4492
Ion Ratio Lower Upper
84 100
49 111.3 121.5 182.3#
51 30.4 36.6 55.0#
86 47.0 48.2 72.2#



#21
Allyl Chloride
Concen: 0.033 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Tgt Ion: 41 Resp: 2367
Ion Ratio Lower Upper
41 100
76 18.8 22.2 33.2#
39 126.2 62.6 93.8#





#22

trans-1,2-Dichloroethene

Concen: 0.014 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2020

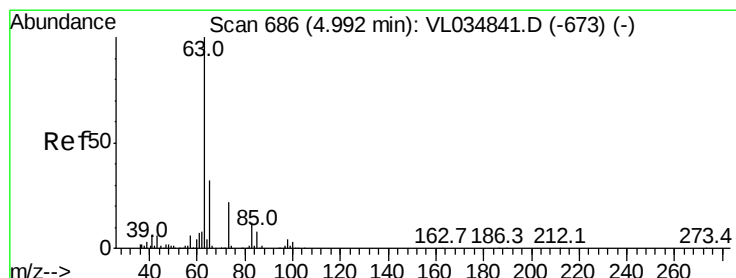
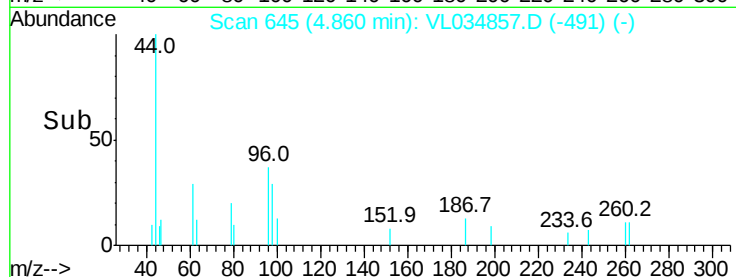
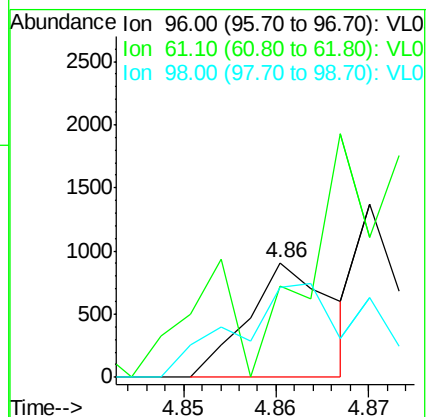
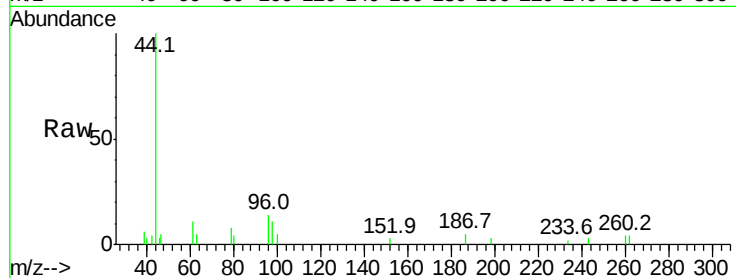
Tgt Ion: 96 Resp: 565

Ion Ratio Lower Upper

96 100

61 5.3 139.0 208.6#

98 50.6 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.033 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

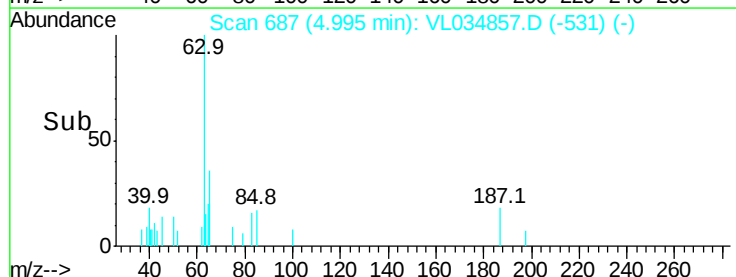
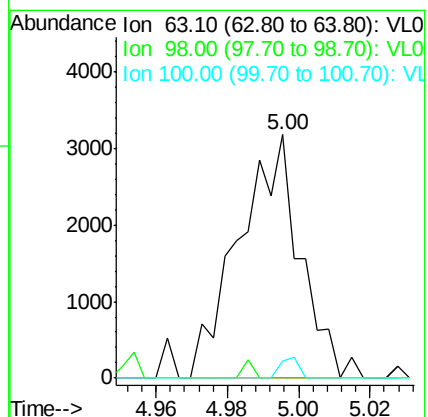
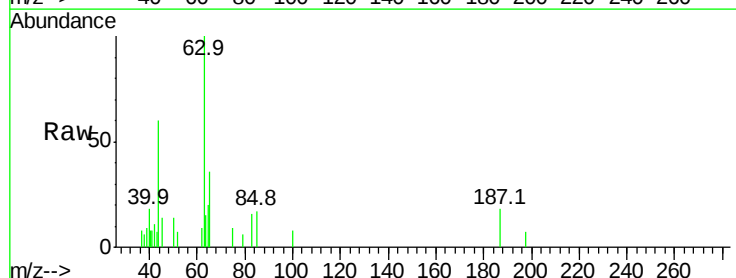
Tgt Ion: 63 Resp: 3735

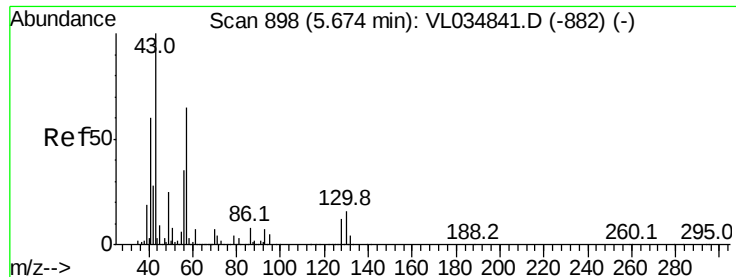
Ion Ratio Lower Upper

63 100

98 0.0 2.0 5.8#

100 7.1 1.4 4.0#





#26

Hexane

Concen: 0.020 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2020

Tgt Ion: 57 Resp: 1771

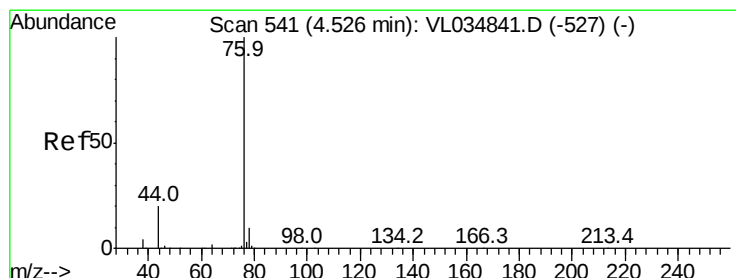
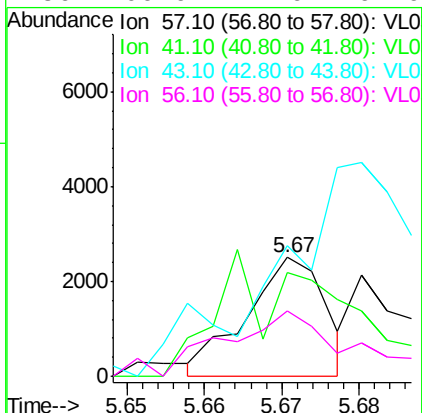
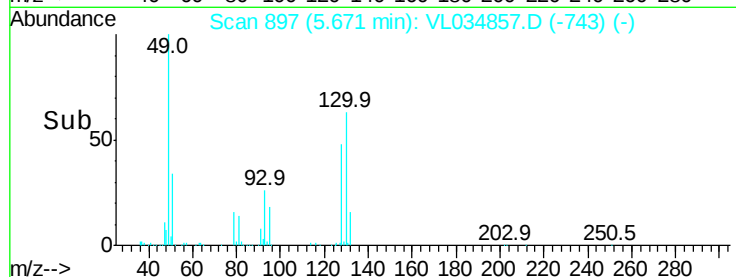
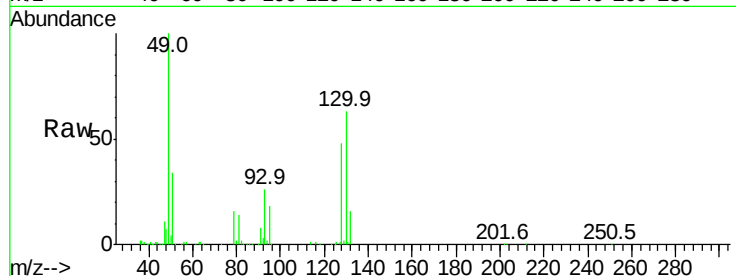
Ion Ratio Lower Upper

57 100

41 174.6 72.6 109.0#

43 0.0 183.8 275.6#

56 109.9 41.9 62.9#



#27

Carbon Disulfide

Concen: 0.013 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

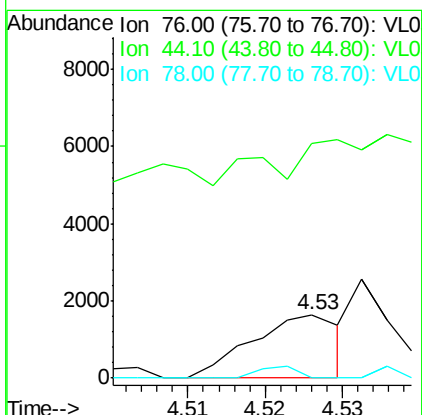
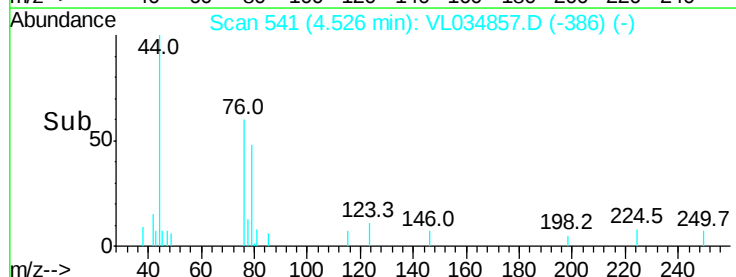
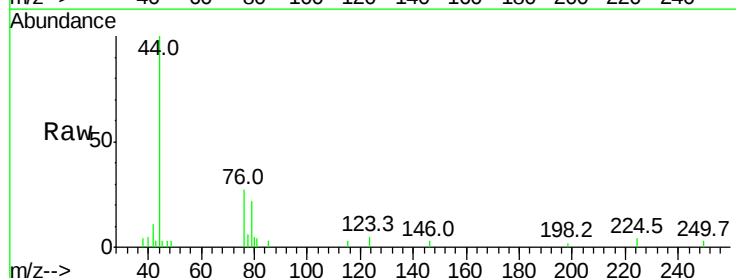
Tgt Ion: 76 Resp: 1300

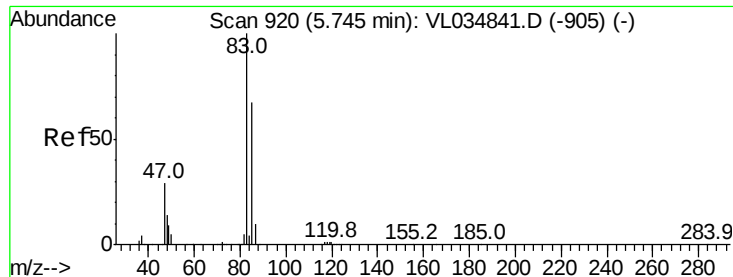
Ion Ratio Lower Upper

76 100

44 0.0 16.2 24.2#

78 0.0 7.8 11.6#





#29

Chloroform

Concen: 0.016 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.01 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

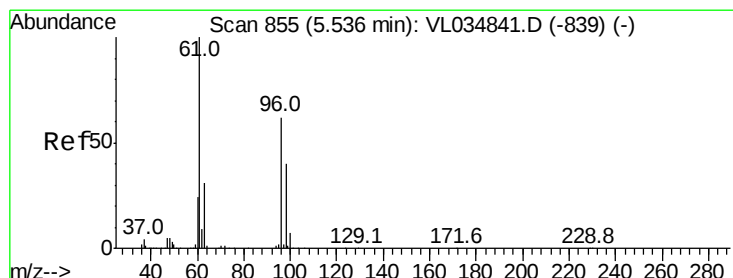
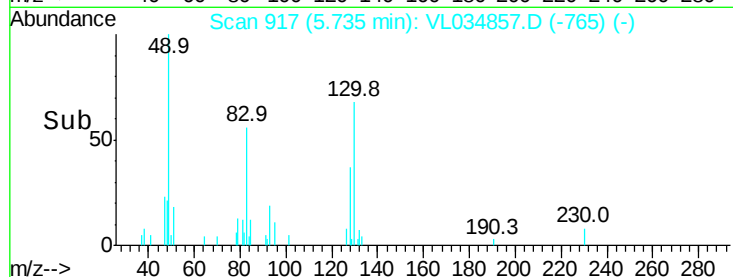
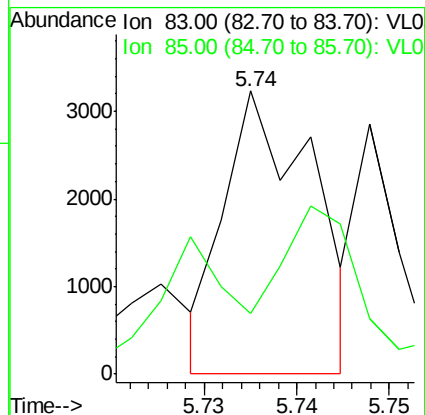
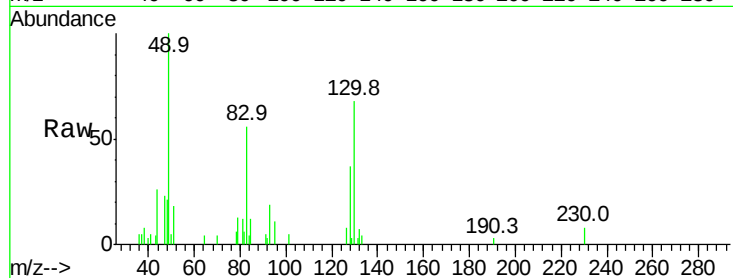
LOQ-AIR-01-QT1-2020

Tgt Ion: 83 Resp: 2147

Ion Ratio Lower Upper

83 100

85 0.0 53.8 80.6#



#31

cis-1,2-Dichloroethene

Concen: 0.011 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

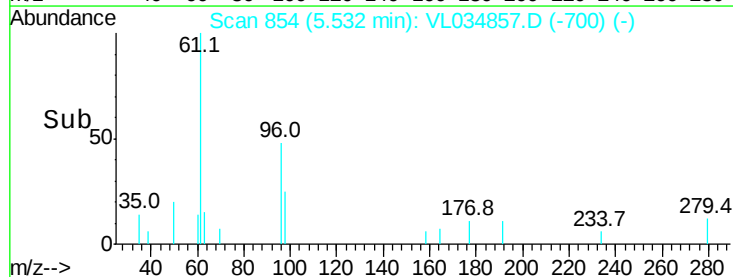
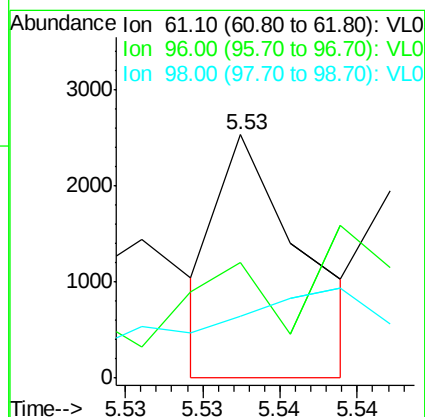
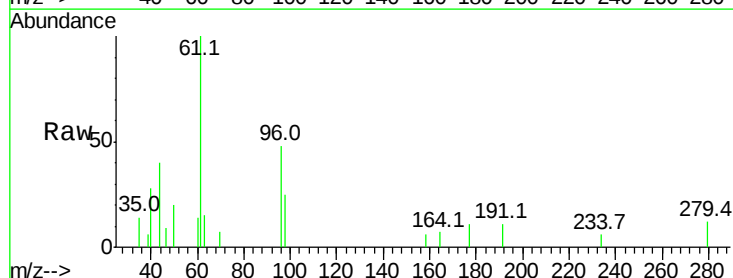
Tgt Ion: 61 Resp: 958

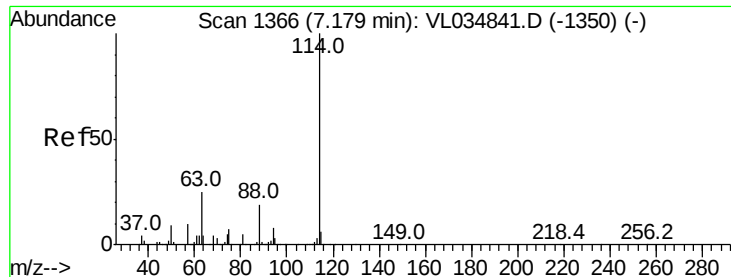
Ion Ratio Lower Upper

61 100

96 20.7 49.8 74.8#

98 11.7 32.2 48.4#

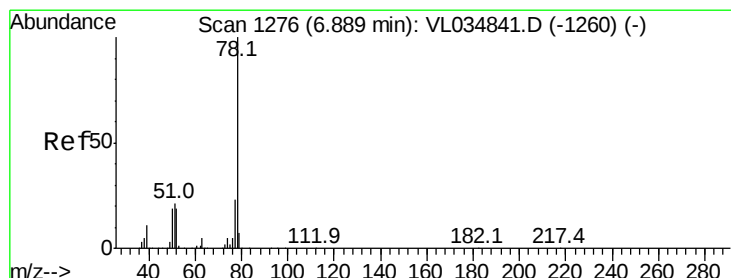
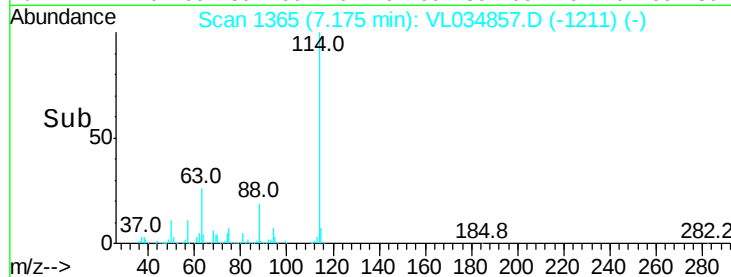
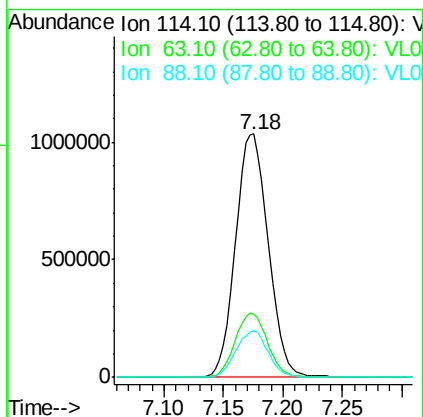
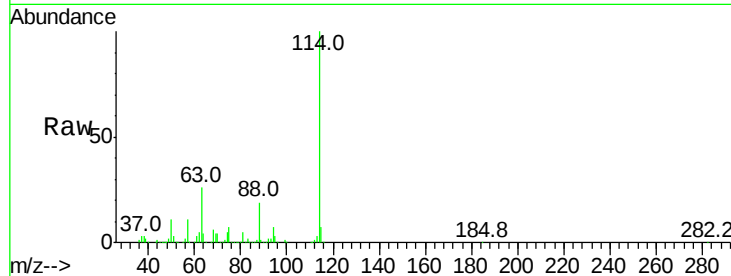




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

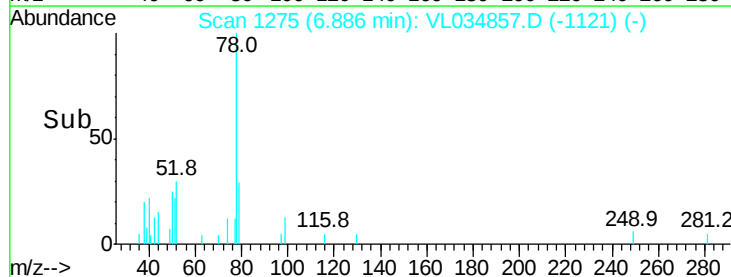
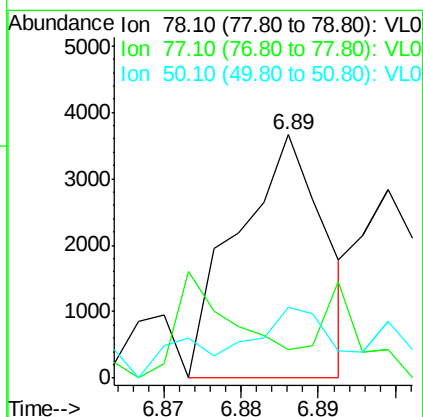
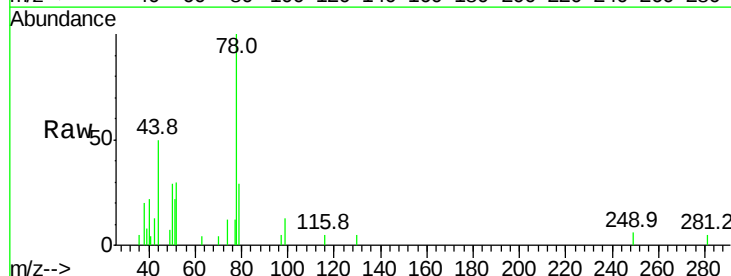
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2020

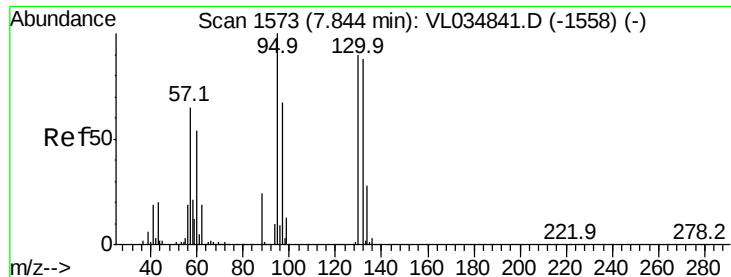
Tgt Ion:114 Resp: 1971055
 Ion Ratio Lower Upper
 114 100
 63 26.2 20.6 31.0
 88 18.9 15.0 22.6



#36
 Benzene
 Concen: 0.016 ppbv
 RT: 6.89 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Tgt Ion: 78 Resp: 2875
 Ion Ratio Lower Upper
 78 100
 77 0.0 18.2 27.2#
 50 12.8 15.2 22.8#





#38

Trichloroethene

Concen: 0.019 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2020

Tgt Ion:130 Resp: 1285

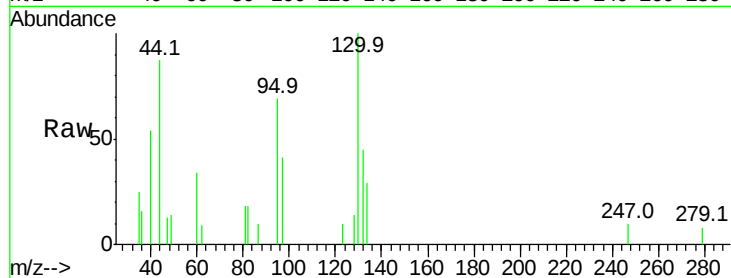
Ion Ratio Lower Upper

130 100

95 30.3 88.5 132.7#

132 29.8 78.0 117.0#

97 3.6 59.3 88.9#

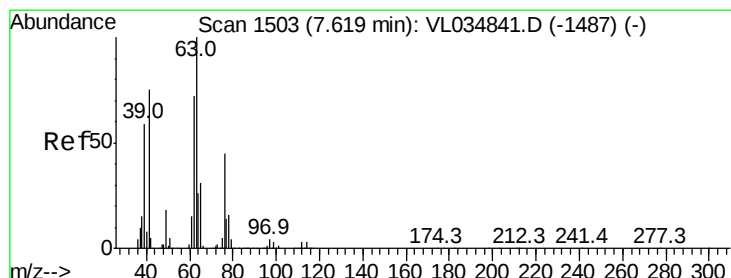
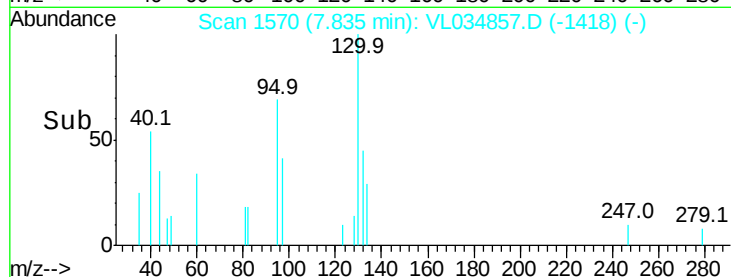
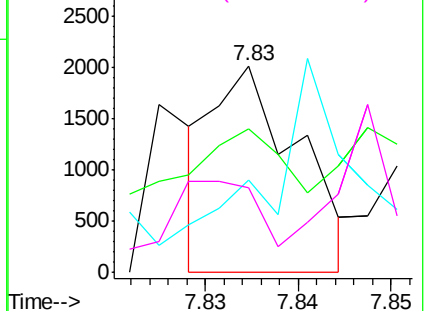


Abundance Ion 130.00 (129.70 to 130.70): V

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



#39

1,2-Dichloropropane

Concen: 7.282 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

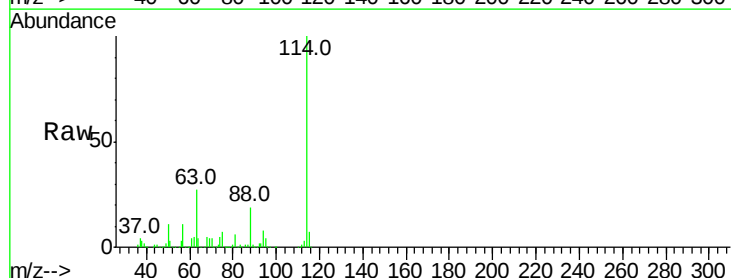
Tgt Ion: 63 Resp: 506907

Ion Ratio Lower Upper

63 100

41 0.0 59.8 89.8#

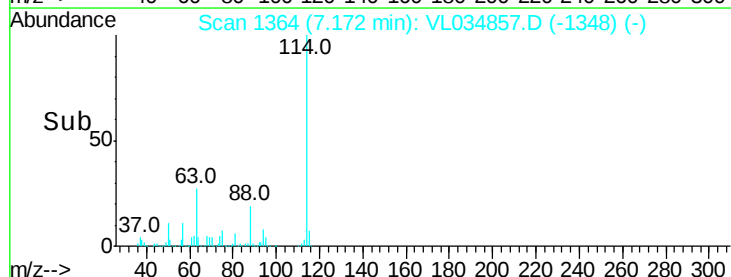
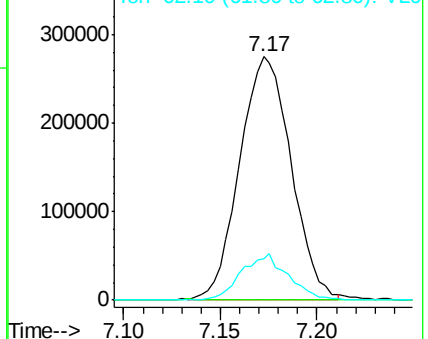
62 16.7 57.6 86.4#

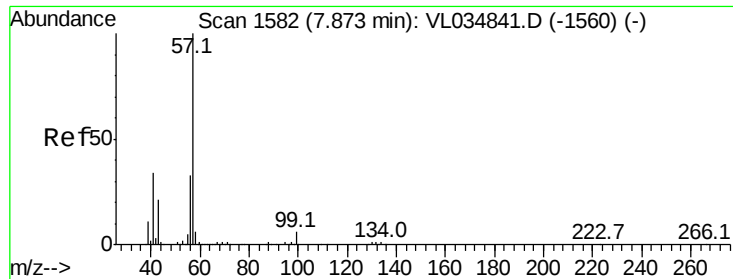


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.019 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2020

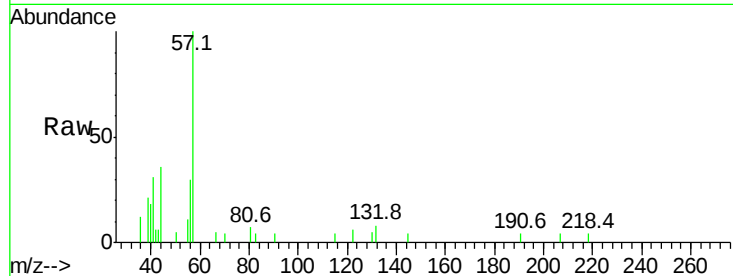
Tgt Ion: 57 Resp: 5589

Ion Ratio Lower Upper

57 100

41 54.1 26.2 39.4#

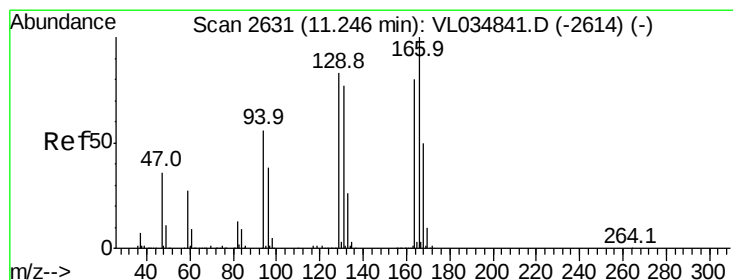
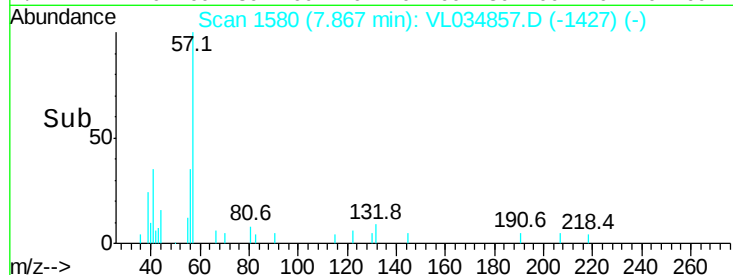
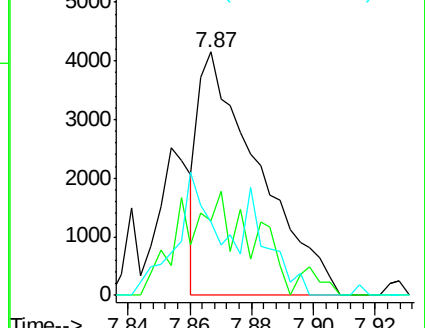
56 52.4 25.0 37.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#52

Tetrachloroethene

Concen: 0.011 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Tgt Ion: 164 Resp: 745

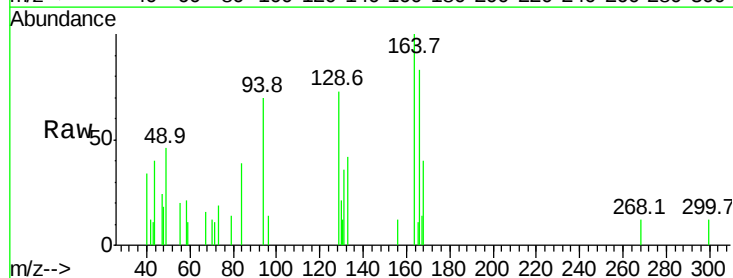
Ion Ratio Lower Upper

164 100

166 20.2 100.0 150.0#

129 0.0 83.1 124.7#

131 7.9 77.2 115.8#

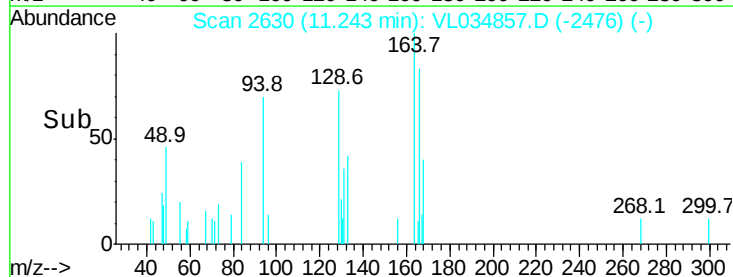
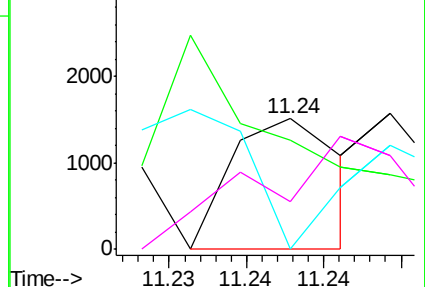


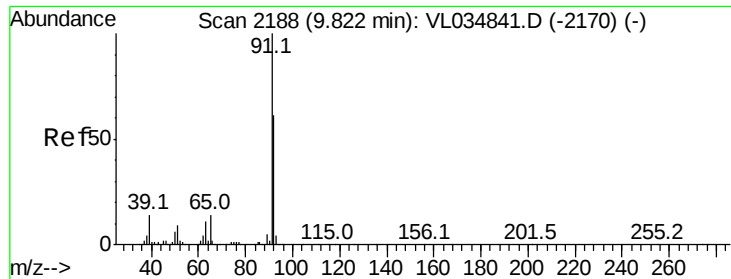
Abundance Ion 163.90 (163.60 to 164.60): V

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





#53

Toluene

Concen: 0.014 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

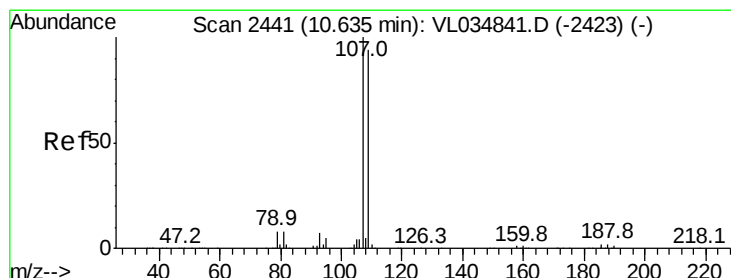
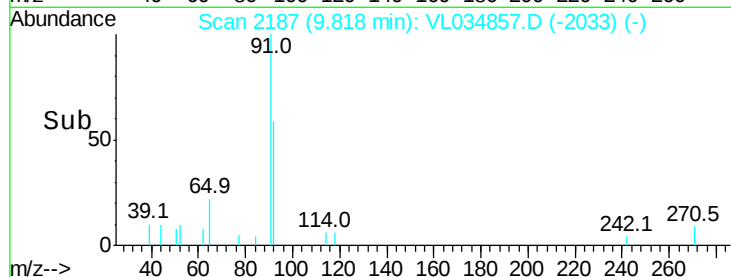
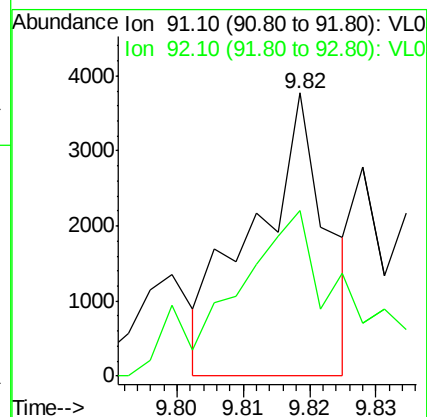
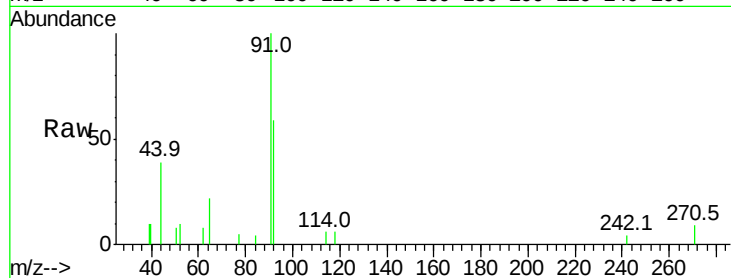
LOQ-AIR-01-QT1-2020

Tgt Ion: 91 Resp: 2877

Ion Ratio Lower Upper

91 100

92 110.8 48.6 72.8#



#54

1,2-Dibromoethane

Concen: 0.019 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034857.D

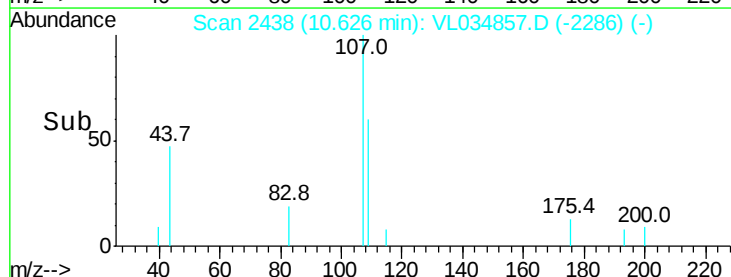
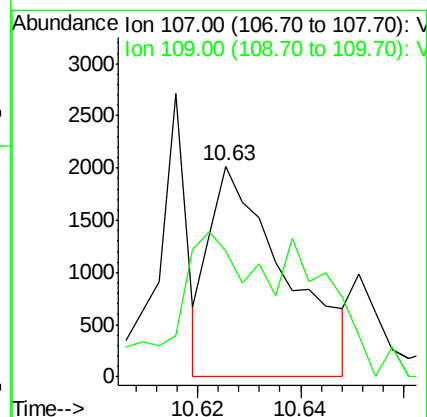
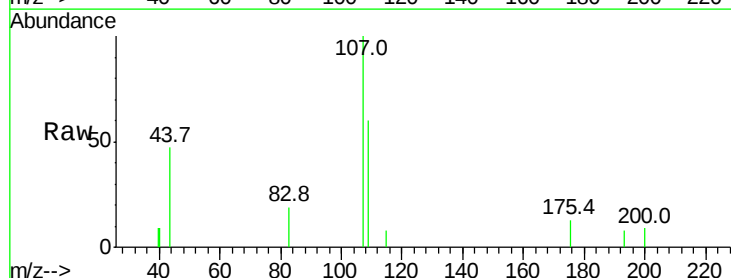
Acq: 10 Mar 2020 3:06

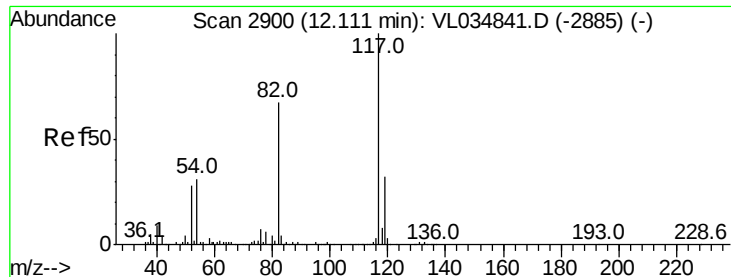
Tgt Ion: 107 Resp: 2059

Ion Ratio Lower Upper

107 100

109 32.4 74.9 112.3#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2020

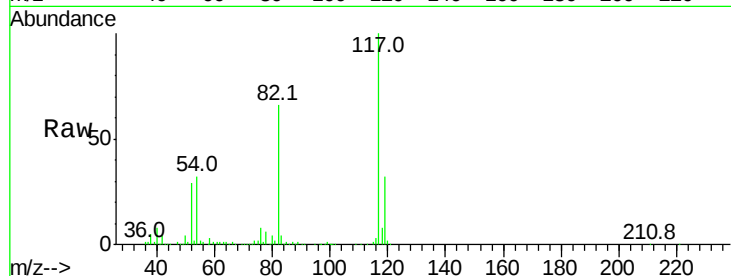
Tgt Ion:117 Resp: 1913874

Ion Ratio Lower Upper

117 100

82 67.8 51.1 76.7

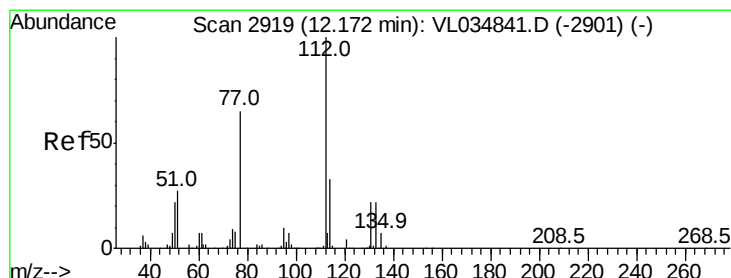
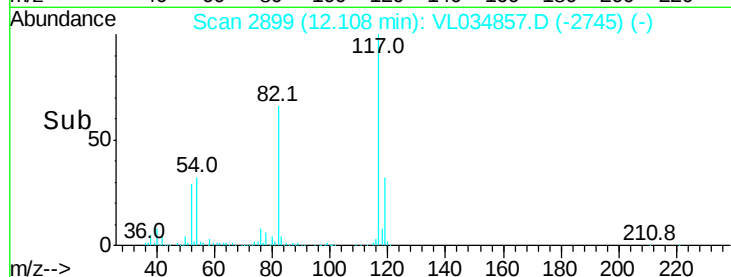
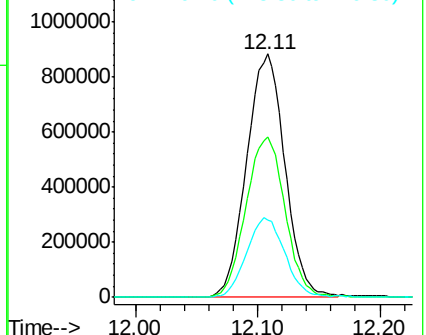
119 32.9 27.3 40.9



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#57

Chlorobenzene

Concen: 0.014 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

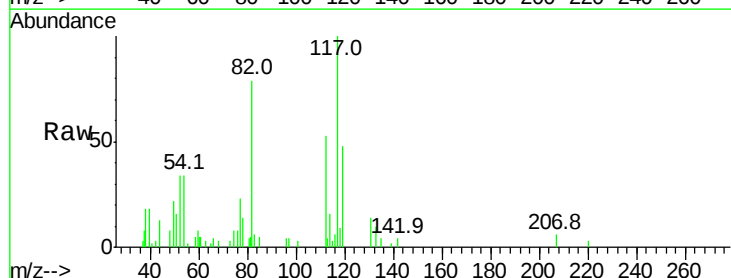
Tgt Ion:112 Resp: 2114

Ion Ratio Lower Upper

112 100

77 19.8 53.0 79.6#

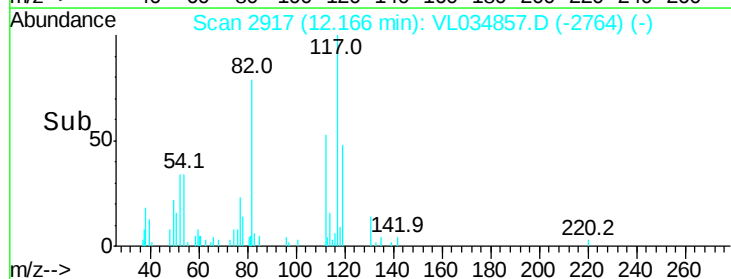
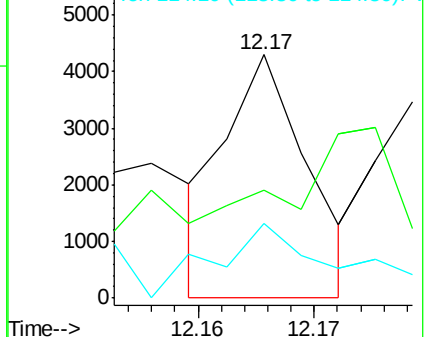
114 26.3 29.5 36.1#

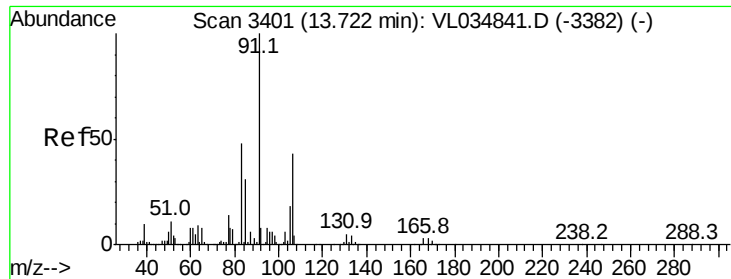


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V

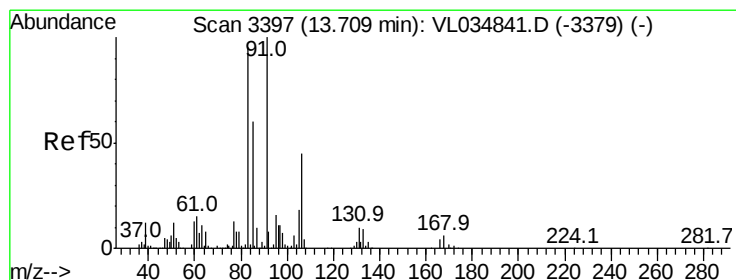
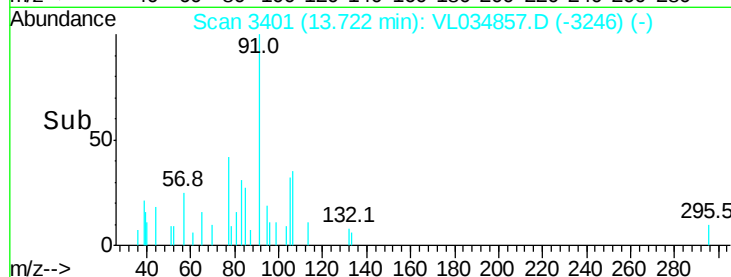
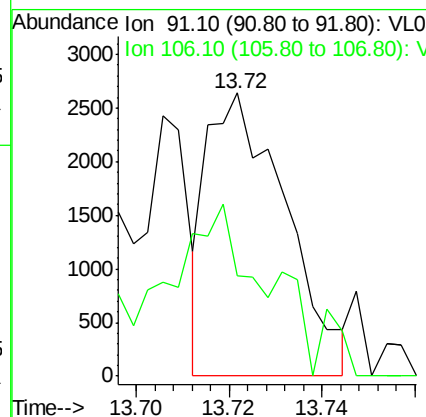
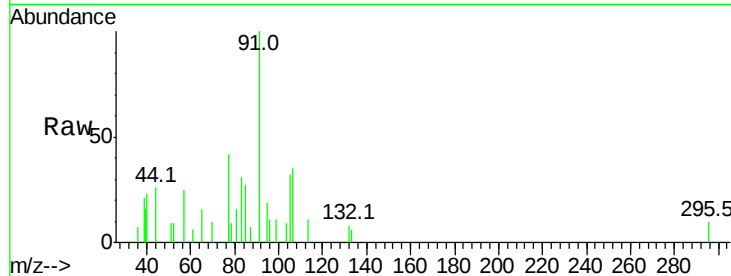




#60
o-Xylene
Concen: 0.015 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

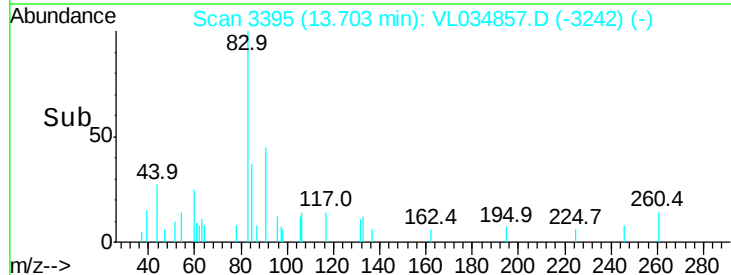
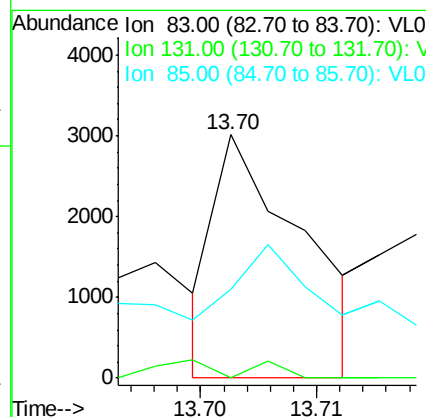
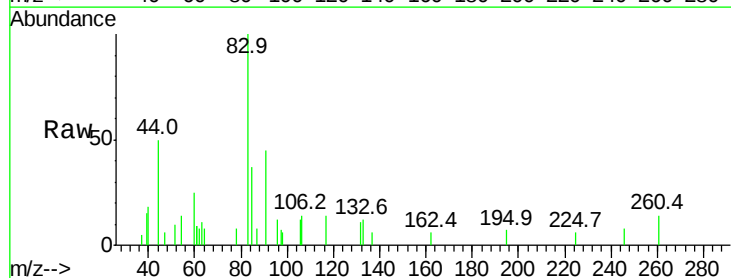
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2020

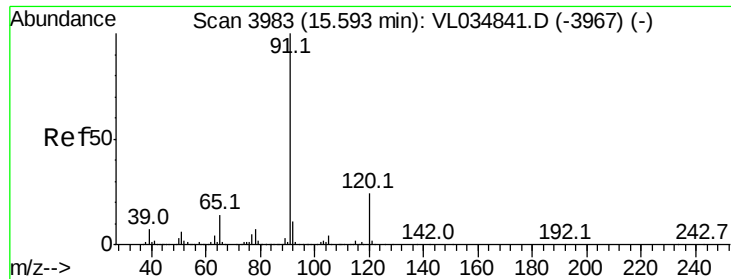
Tgt Ion: 91 Resp: 3102
Ion Ratio Lower Upper
91 100
106 93.4 22.5 67.5#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.011 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Tgt Ion: 83 Resp: 1579
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 169.3 32.4 97.2#

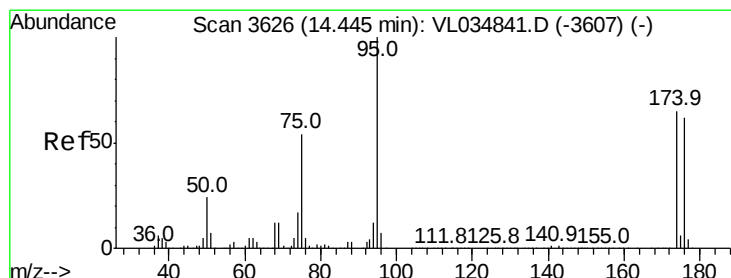
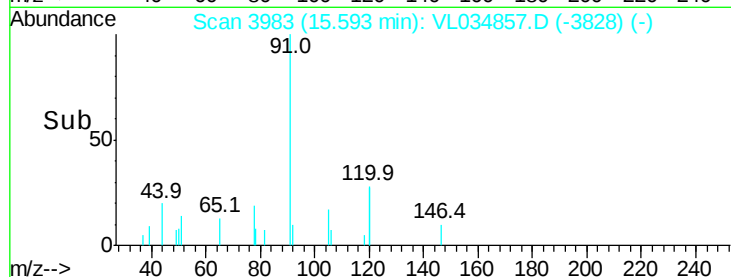
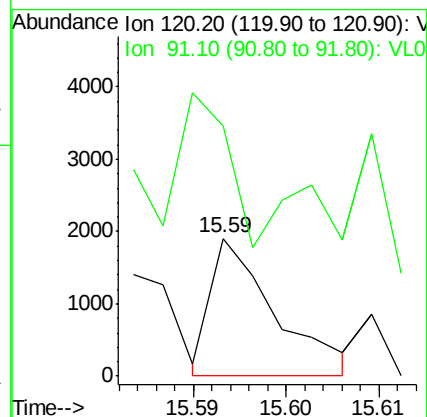
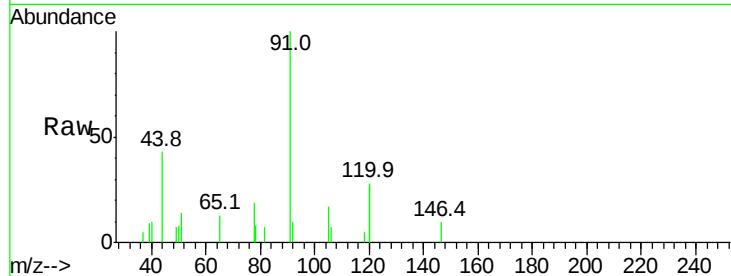




#64
n-propylbenzene
Concen: 0.011 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

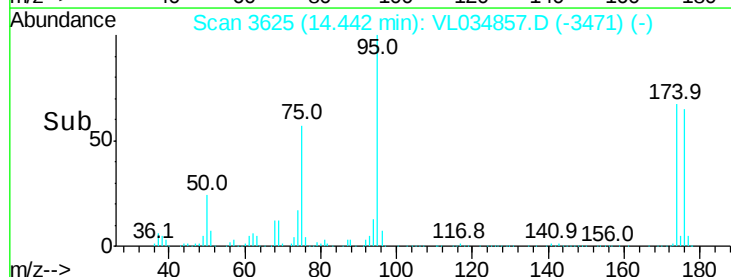
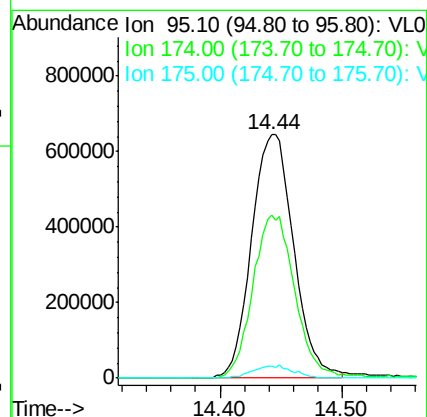
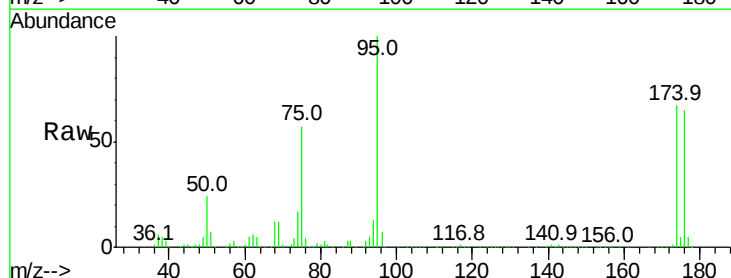
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2020

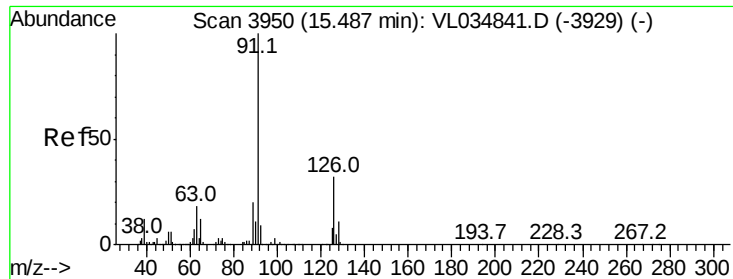
Tgt Ion:120 Resp: 925
Ion Ratio Lower Upper
120 100
91 967.1 360.9 541.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.305 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034857.D
Acq: 10 Mar 2020 3:06

Tgt Ion: 95 Resp: 1538065
Ion Ratio Lower Upper
95 100
174 68.3 55.2 82.8
175 5.0 4.3 6.5

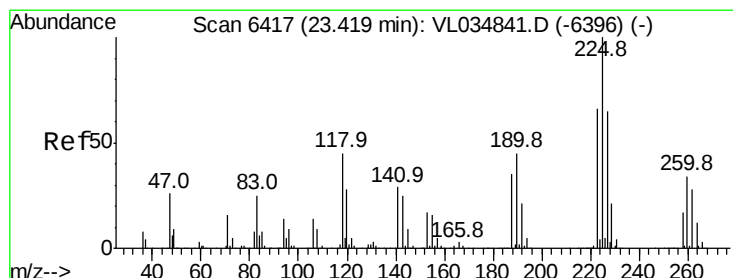
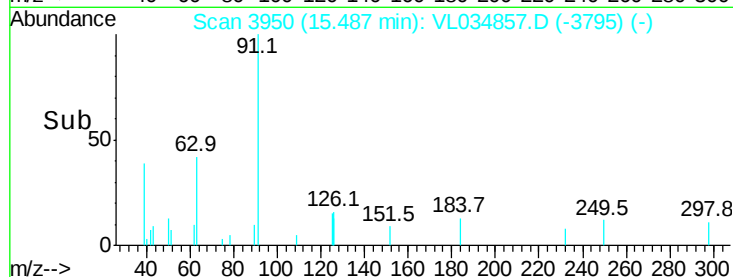
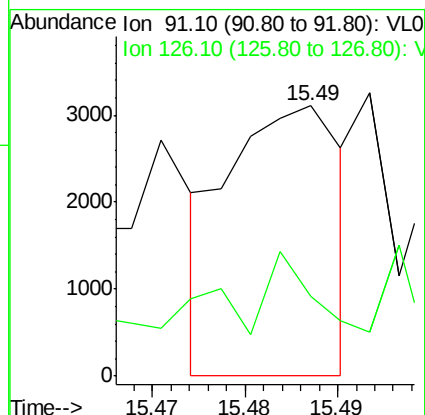
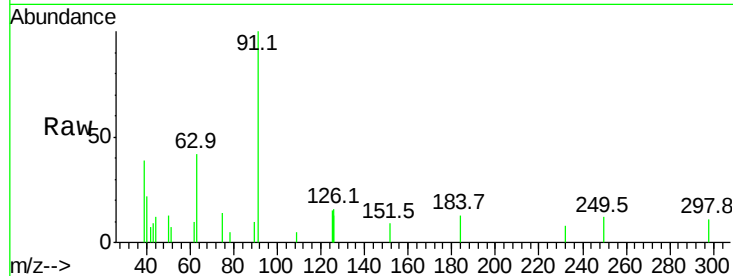




#71
 2-Chlorotoluene
 Concen: 0.011 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

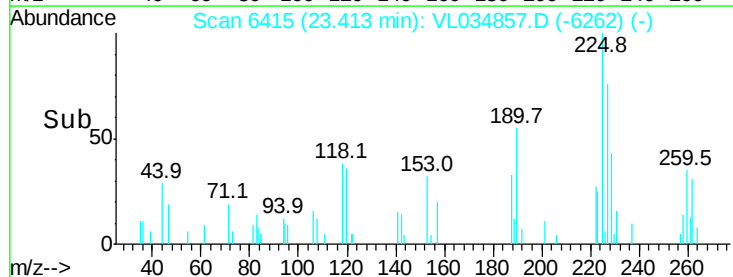
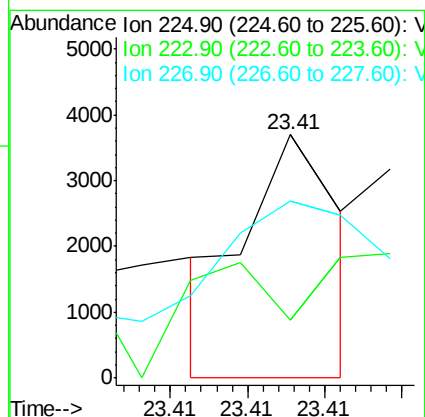
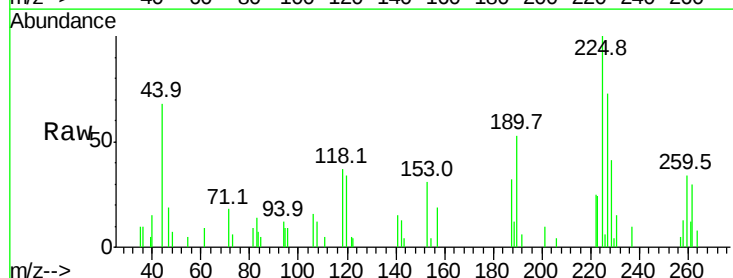
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2020

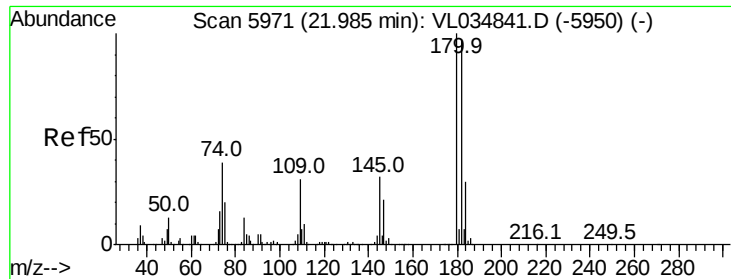
Tgt Ion: 91 Resp: 2625
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.3 49.1#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.013 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. -0.01 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Tgt Ion: 225 Resp: 1566
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.1 76.7#
 227 290.4 51.8 77.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.011 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2020

Tgt Ion:180 Resp: 1317
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.6 115.0#
 184 0.0 25.0 37.4#

