

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036917.D
 Acq On : 7 May 2021 13:39
 Operator : SY/AP
 Sample : M2262-15 0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Quant Time: May 08 04:16:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1240779	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2955983	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2570066	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2011978	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

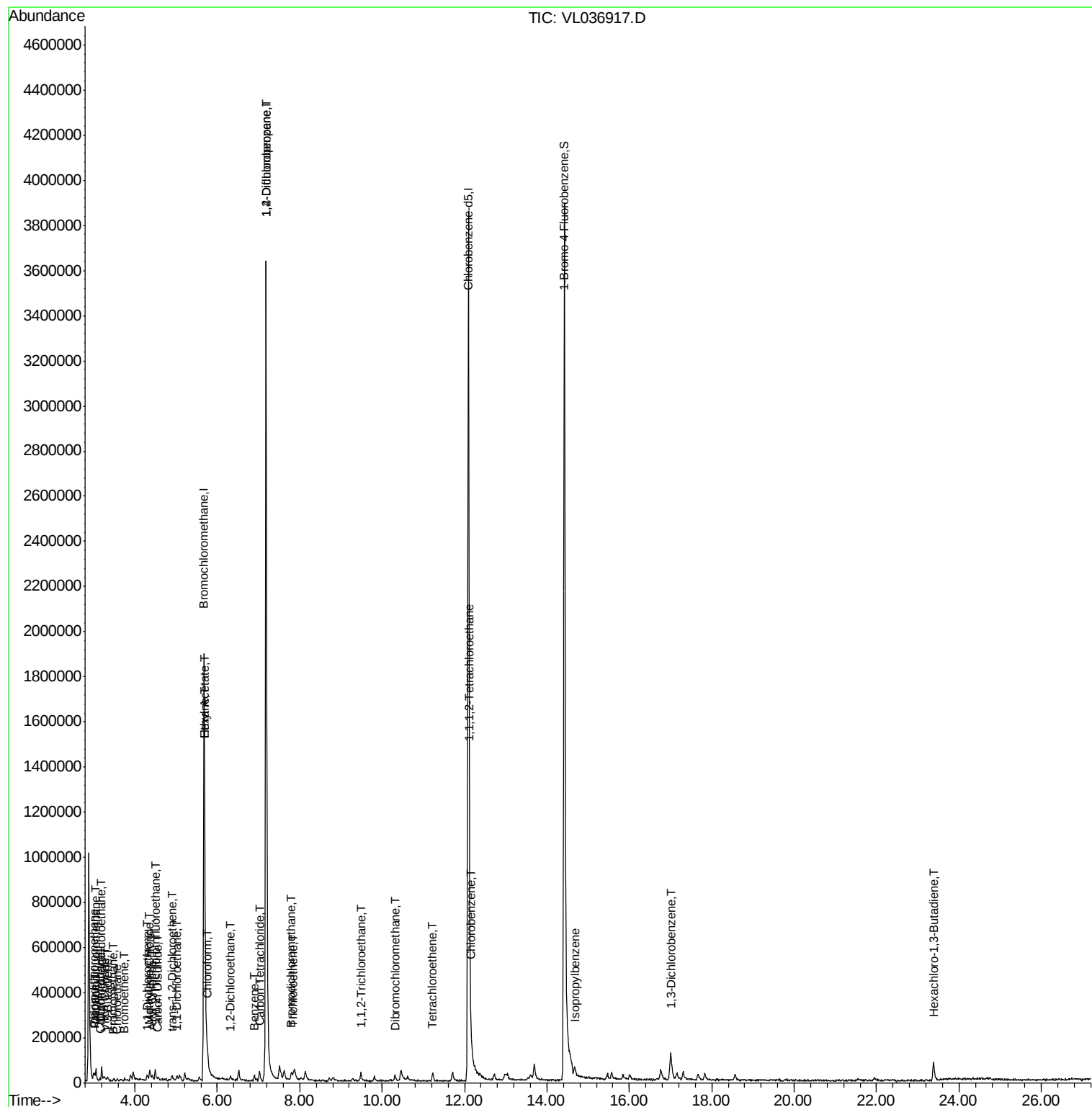
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	34223	0.175	ppbv	99
3) Chlorodifluoromethane	2.99	51	35194	0.156	ppbv	94
4) Chloromethane	3.15	50	9774	0.132	ppbv #	66
5) Vinyl Chloride	3.26	62	4259	0.057	ppbv #	84
6) Bromomethane	3.48	94	2806	0.070	ppbv #	1
7) Chloroethane	3.56	64	1087	0.044	ppbv #	84
8) Dichlorotetrafluoroethane	3.19	85	27475	0.154	ppbv	93
9) Propene	3.02	41	5306	0.077	ppbv #	15
12) 1,1,2-Trichlorotrifluoroet	4.50	101	11536	0.099	ppbv #	57
14) Bromoethene	3.75	108	4902	0.103	ppbv #	56
16) 1,3-Butadiene	3.33	39	2245	0.030	ppbv #	1
18) 1,1-Dichloroethene	4.30	96	4172	0.082	ppbv #	30
20) Methylene Chloride	4.35	84	3719	0.066	ppbv #	57
21) Allyl Chloride	4.42	41	5567	0.064	ppbv #	17
22) trans-1,2-Dichloroethene	4.89	96	2983	0.059	ppbv #	85
24) 1,1-Dichloroethane	5.02	63	15750	0.139	ppbv #	86
25) Ethyl Acetate	5.70	43	10239	0.036	ppbv #	76
26) Hexane	5.70	57	11960	0.089	ppbv #	1
27) Carbon Disulfide	4.56	76	8299	0.071	ppbv #	1
29) Chloroform	5.76	83	17893	0.086	ppbv	99
35) Carbon Tetrachloride	7.02	117	13379	0.067	ppbv #	82
36) Benzene	6.90	78	9857	0.040	ppbv #	64
37) 1,2-Dichloroethane	6.32	62	11595	0.082	ppbv #	89
38) Trichloroethene	7.84	130	5923	0.067	ppbv	90
39) 1,2-Dichloropropane	7.18	63	783290	7.850	ppbv #	23
42) Bromodichloromethane	7.80	83	21035	0.107	ppbv #	83
47) 1,1,2-Trichloroethane	9.48	97	7568	0.073	ppbv #	68
48) Dibromochloromethane	10.32	129	6188	0.040	ppbv #	1
52) Tetrachloroethene	11.23	164	2908	0.034	ppbv #	73
56) 1,1,1,2-Tetrachloroethane	12.13	131	5291	0.049	ppbv #	1
57) Chlorobenzene	12.16	112	16475	0.082	ppbv #	74
62) Isopropylbenzene	14.68	105	18804	0.049	ppbv #	72
75) 1,3-Dichlorobenzene	17.00	146	5892	0.032	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.39	225	9017	0.059	ppbv #	1

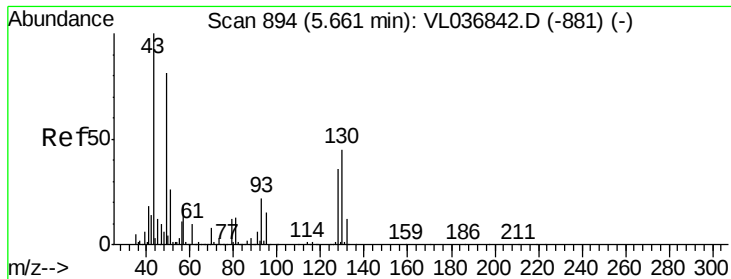
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

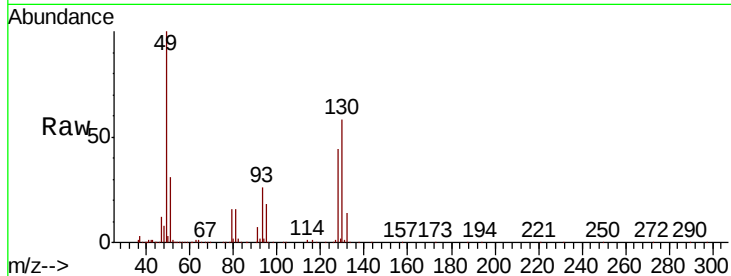
Tot Ion: 49 Resp: 1240779

Ion Ratio Lower Upper

49 100

128 47.9 24.4 73.2

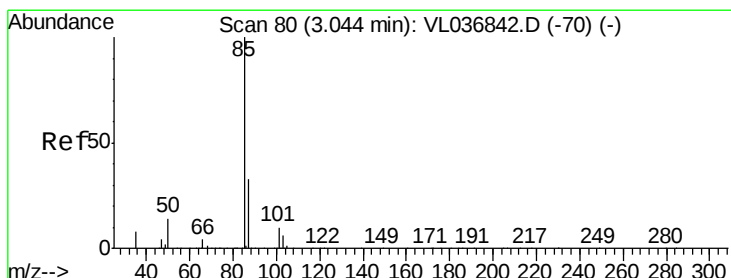
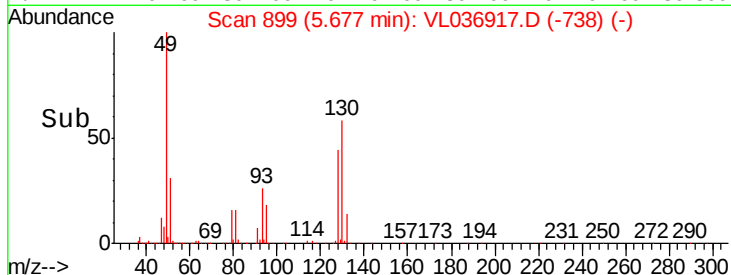
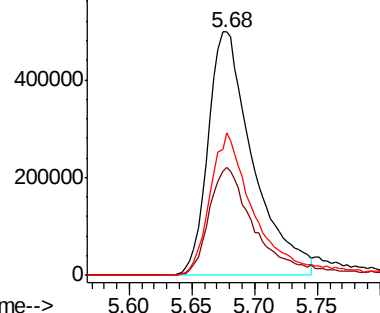
130 60.7 30.3 90.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.175 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036917.D

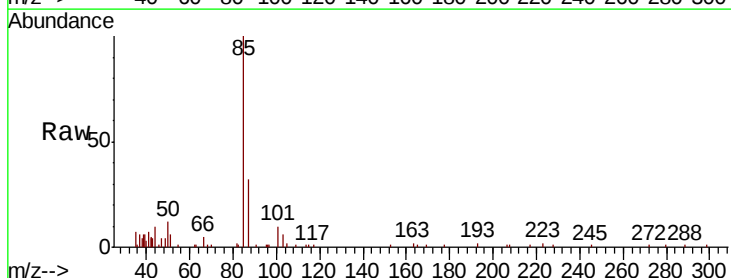
Acq: 7 May 2021 13:39

Tgt Ion: 85 Resp: 34223

Ion Ratio Lower Upper

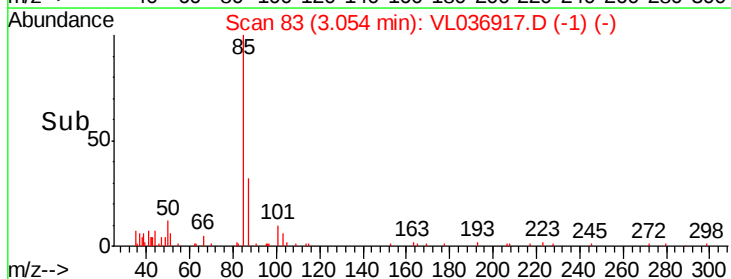
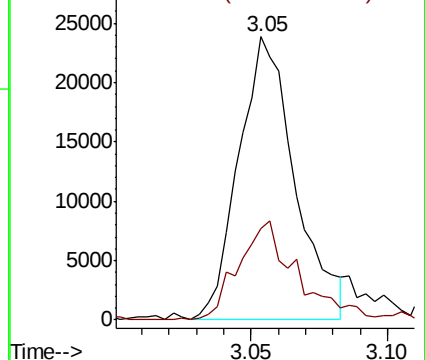
85 100

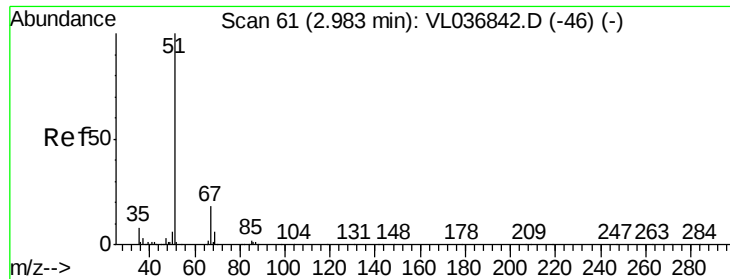
87 32.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.156 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

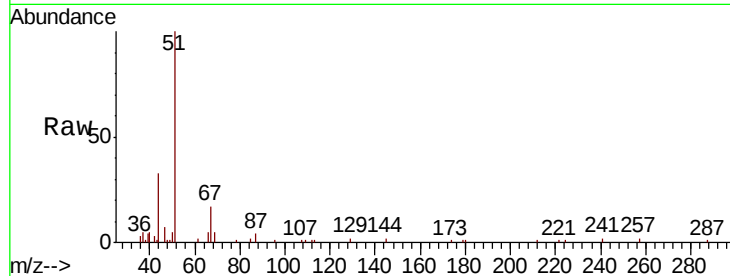
MDL-AIR-03-QT2-2021

Tot Ion: 51 Resp: 35194

Ion Ratio Lower Upper

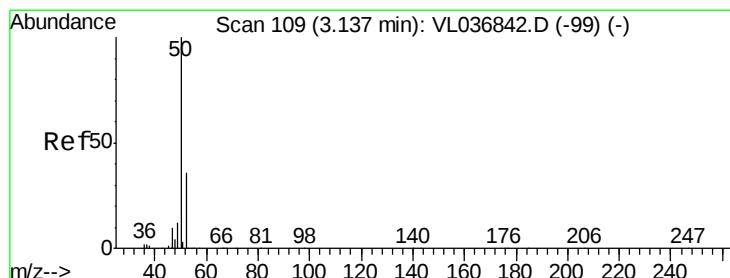
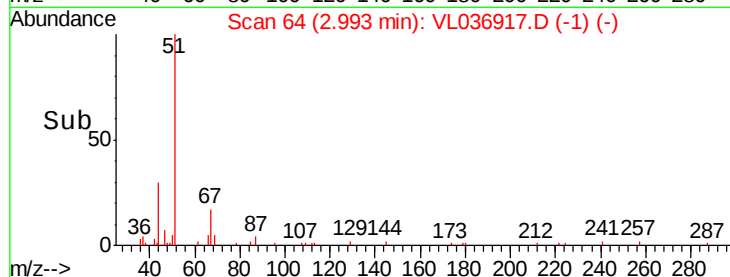
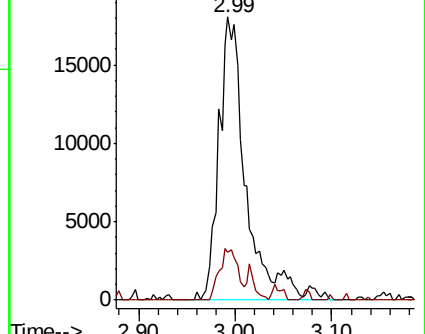
51 100

67 15.7 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.132 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036917.D

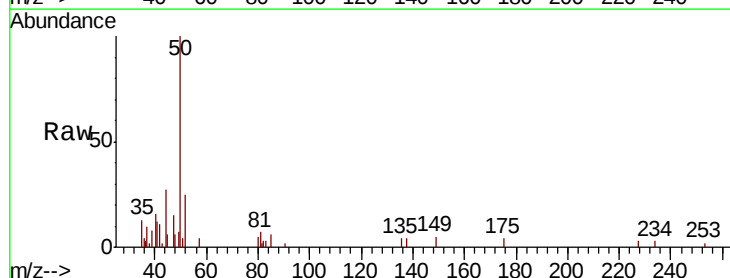
Acq: 7 May 2021 13:39

Tgt Ion: 50 Resp: 9774

Ion Ratio Lower Upper

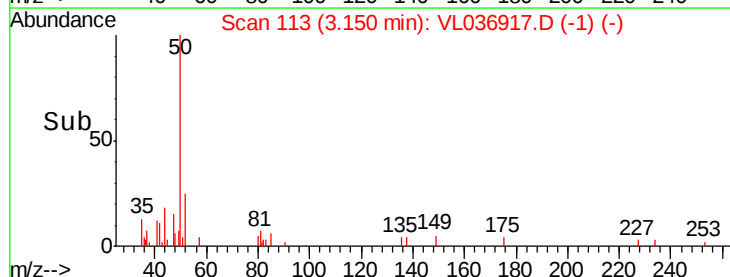
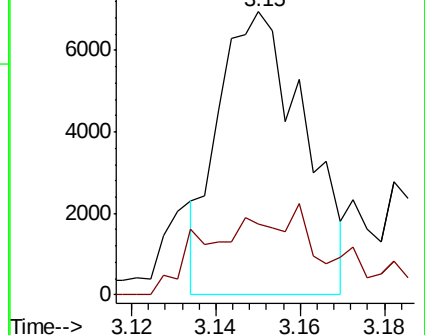
50 100

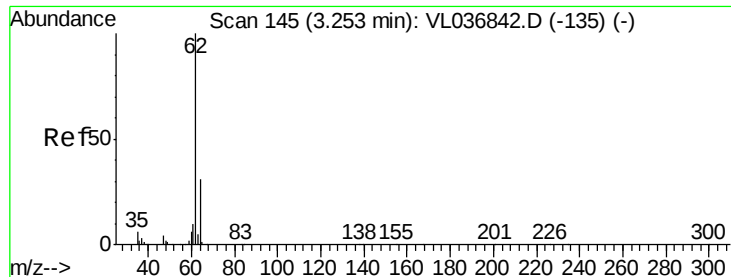
52 15.8 28.5 42.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.057 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

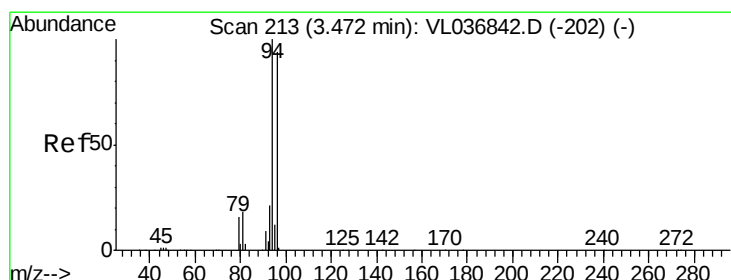
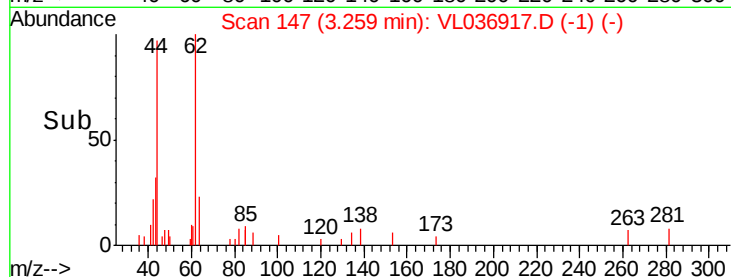
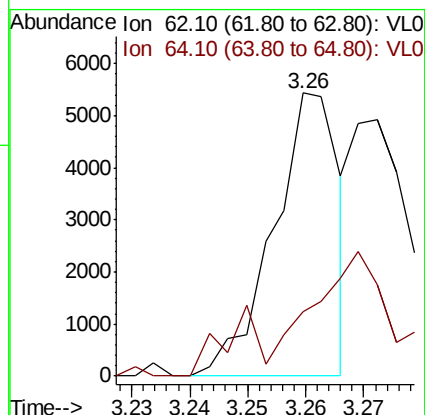
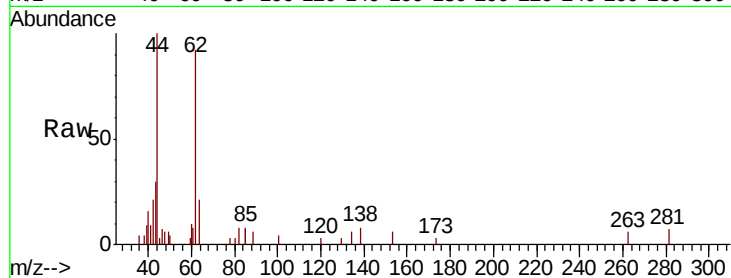
MDL-AIR-03-QT2-2021

Tot Ion: 62 Resp: 4259

Ion Ratio Lower Upper

62 100

64 22.6 25.0 37.4#



#6

Bromomethane

Concen: 0.070 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL036917.D

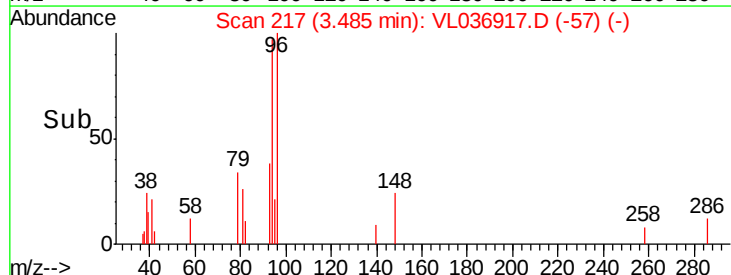
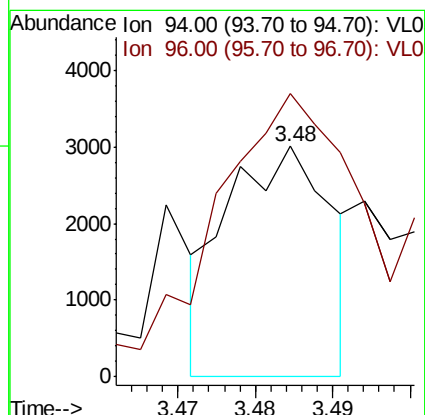
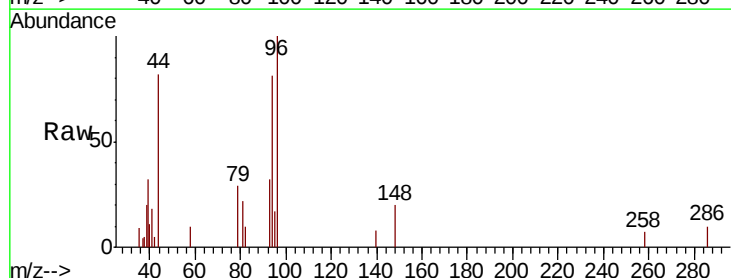
Acq: 7 May 2021 13:39

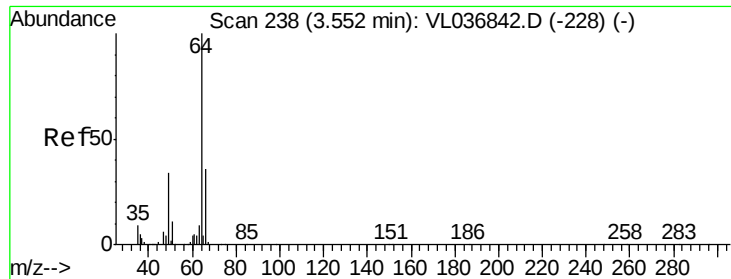
Tgt Ion: 94 Resp: 2806

Ion Ratio Lower Upper

94 100

96 195.5 75.4 113.0#





#7

Chloroethane

Concen: 0.044 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

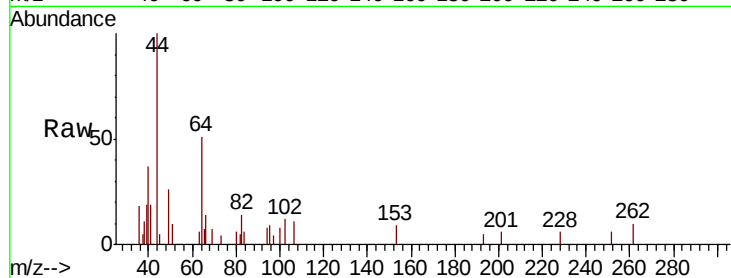
MDL-AIR-03-QT2-2021

Tot Ion: 64 Resp: 1087

Ion Ratio Lower Upper

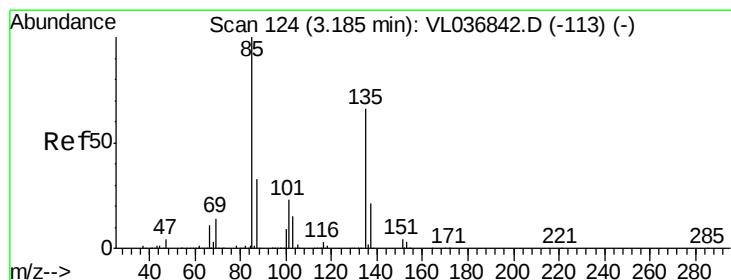
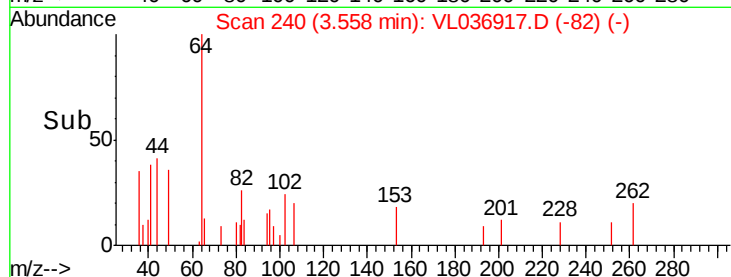
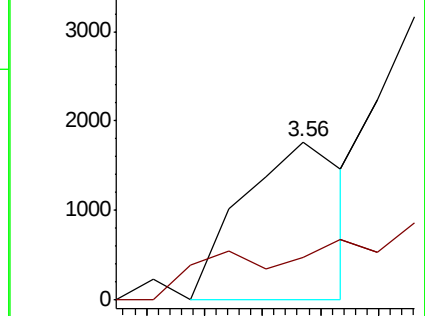
64 100

66 26.8 29.0 43.6#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.154 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL036917.D

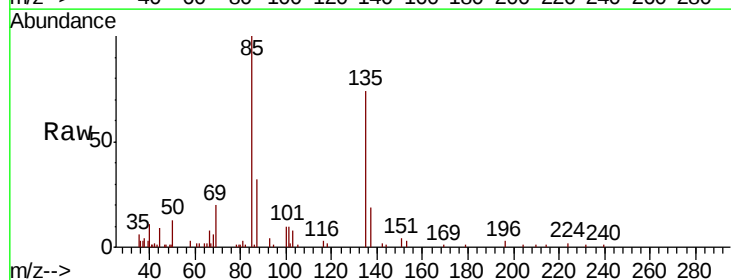
Acq: 7 May 2021 13:39

Tgt Ion: 85 Resp: 27475

Ion Ratio Lower Upper

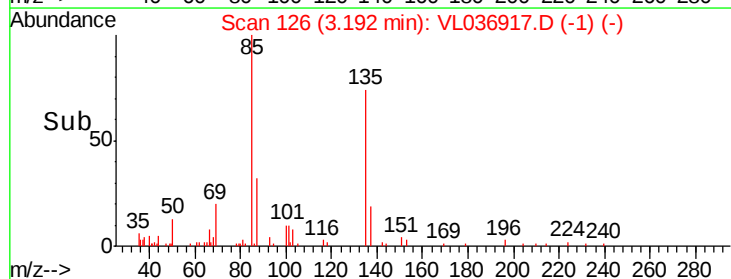
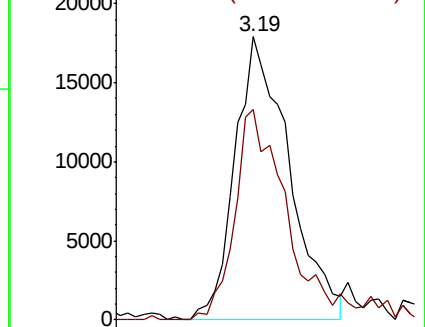
85 100

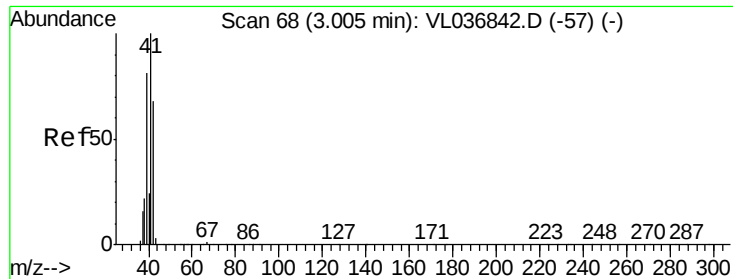
135 75.7 56.2 84.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

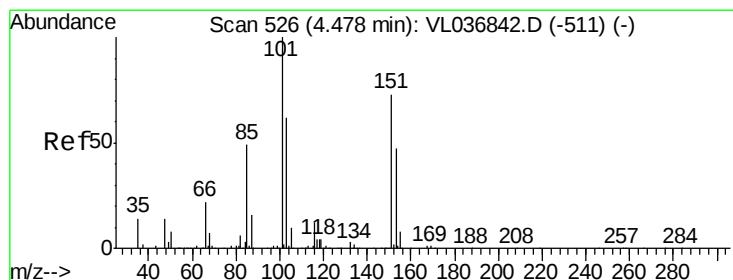
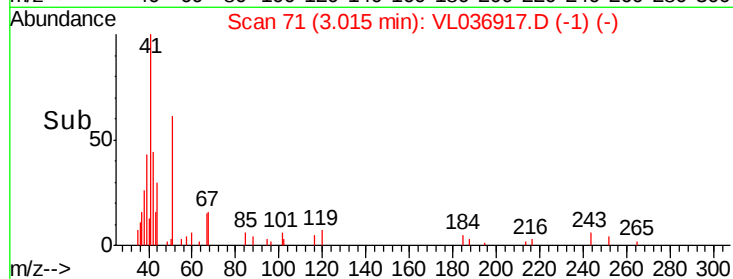
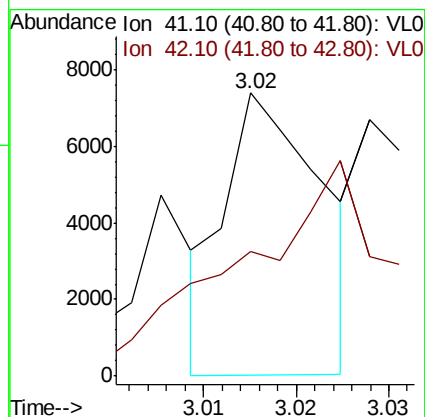
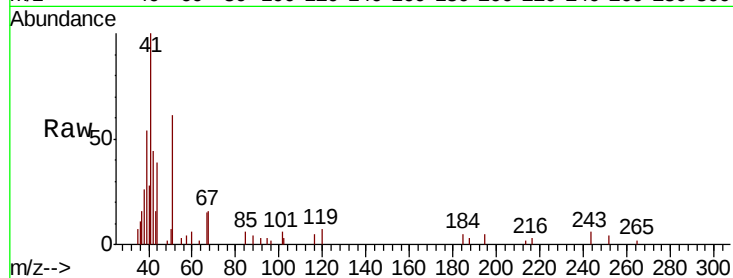




#9
 Propene
 Concen: 0.077 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL036917.D
 Acq: 7 May 2021 13:39

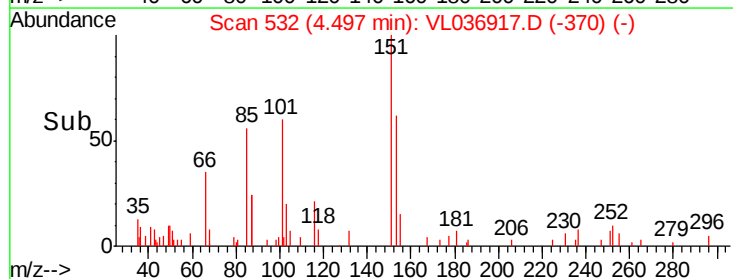
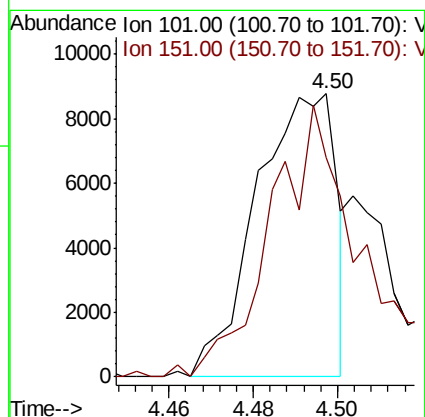
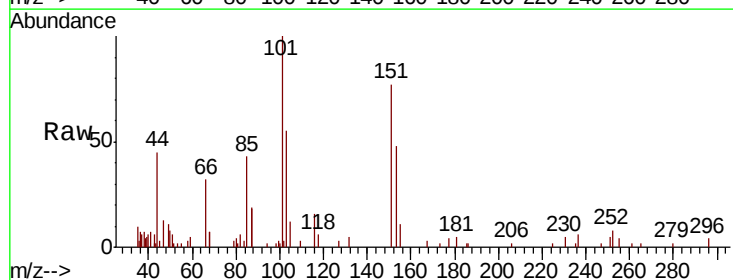
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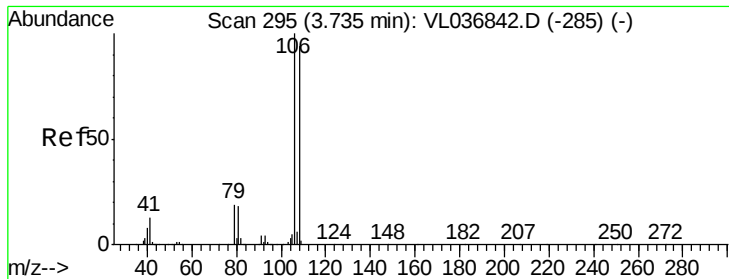
Tot Ion: 41 Resp: 5306
 Ion Ratio Lower Upper
 41 100
 42 0.0 56.0 84.0#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.099 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.02 min
 Lab File: VL036917.D
 Acq: 7 May 2021 13:39

Tgt Ion: 101 Resp: 11536
 Ion Ratio Lower Upper
 101 100
 151 113.0 61.1 91.7#





#14

Bromoethene

Concen: 0.103 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.02 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

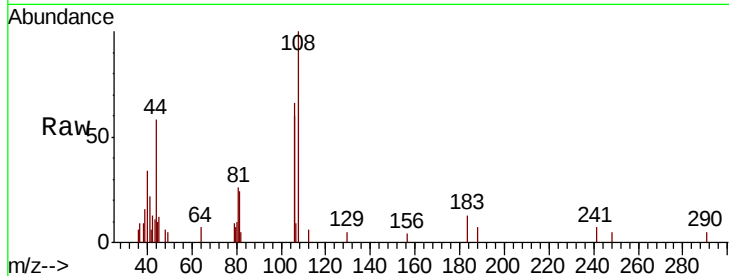
Tot Ion:108 Resp: 4902

Ion Ratio Lower Upper

108 100

106 156.2 88.5 132.7#

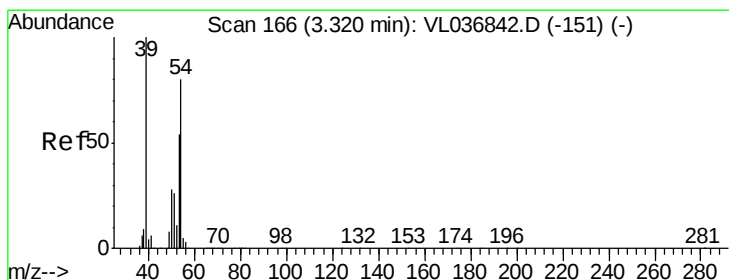
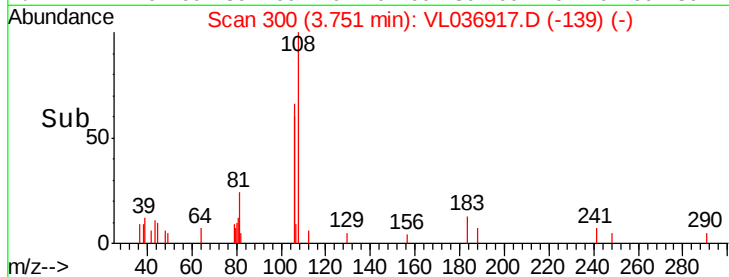
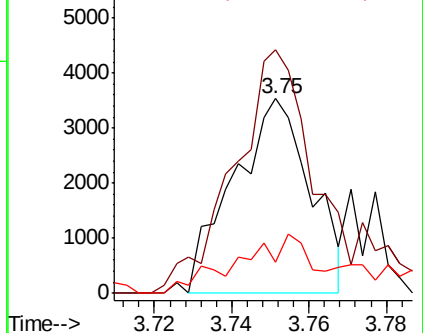
79 46.3 17.9 26.9#



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



#16

1,3-Butadiene

Concen: 0.030 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036917.D

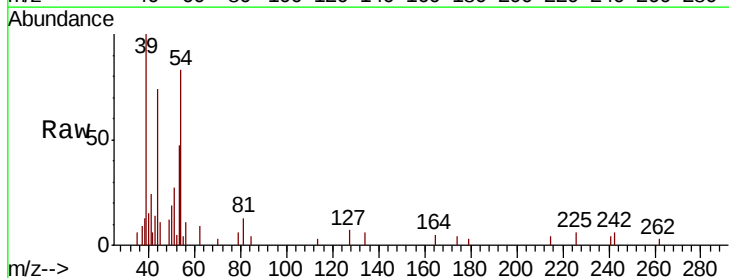
Acq: 7 May 2021 13:39

Tgt Ion: 39 Resp: 2245

Ion Ratio Lower Upper

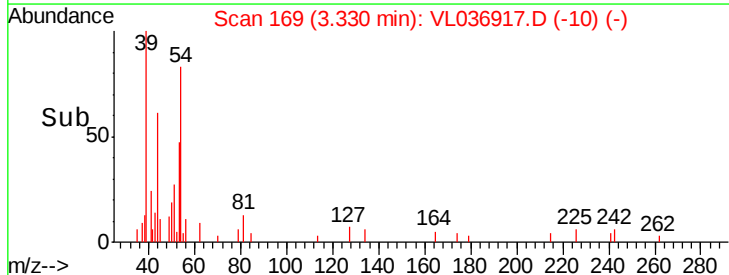
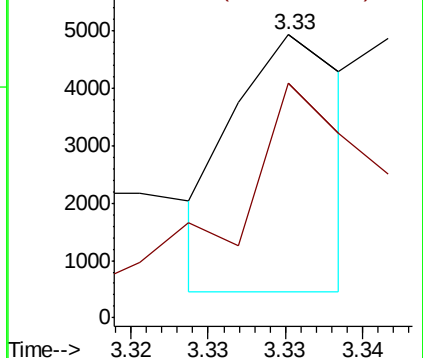
39 100

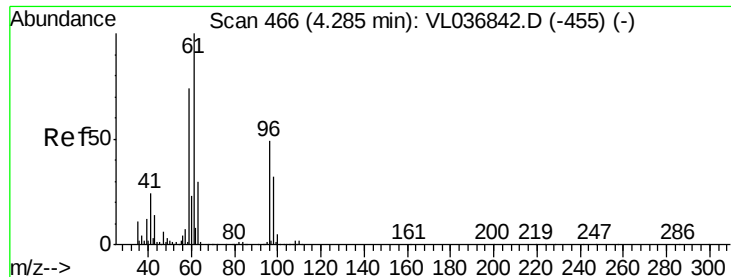
54 273.4 59.6 89.4#



Abundance Ion 39.10 (38.80 to 39.80): V

Ion 54.10 (53.80 to 54.80): V





#18

1,1-Dichloroethene

Concen: 0.082 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.02 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

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MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

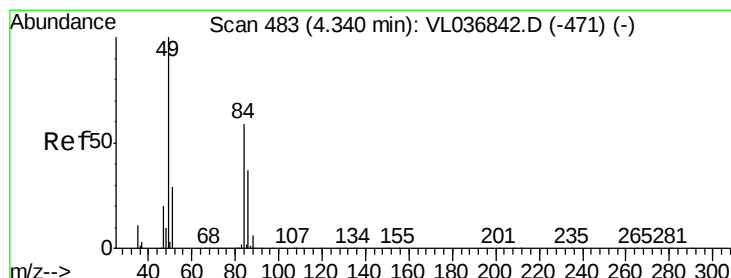
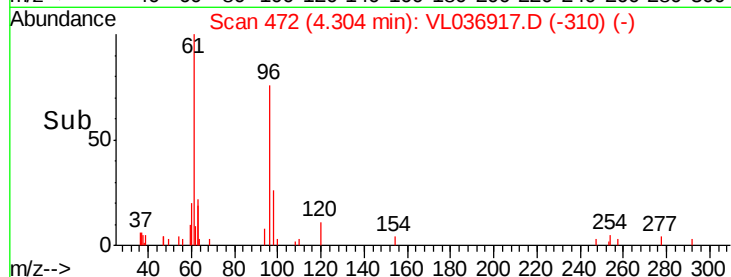
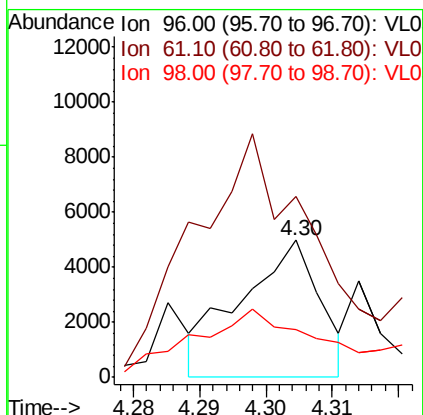
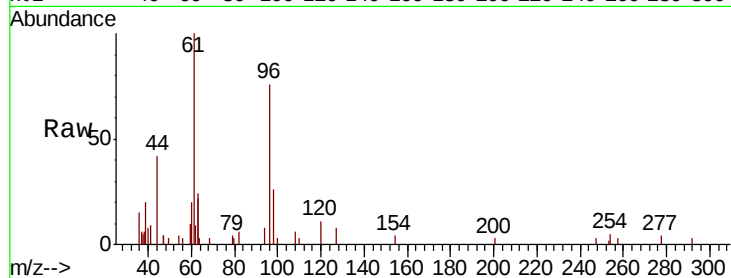
Tot Ion: 96 Resp: 4172

Ion Ratio Lower Upper

96 100

61 92.2 162.2 243.2#

98 14.3 51.8 77.6#



#20

Methylene Chloride

Concen: 0.066 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Tgt Ion: 84 Resp: 3719

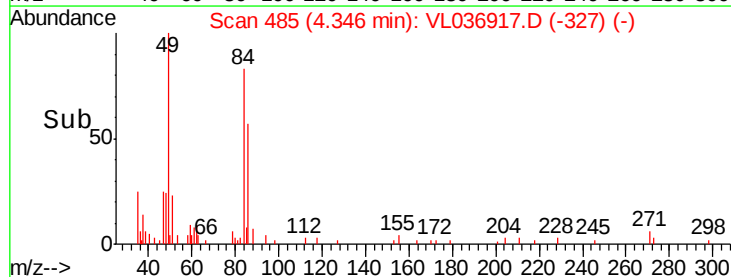
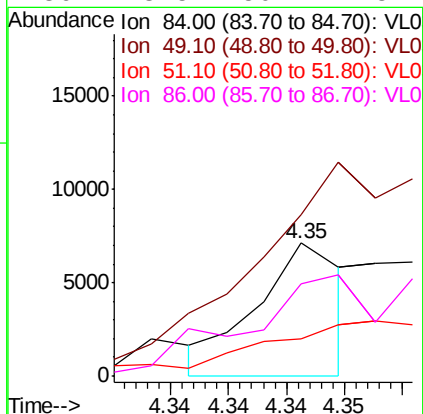
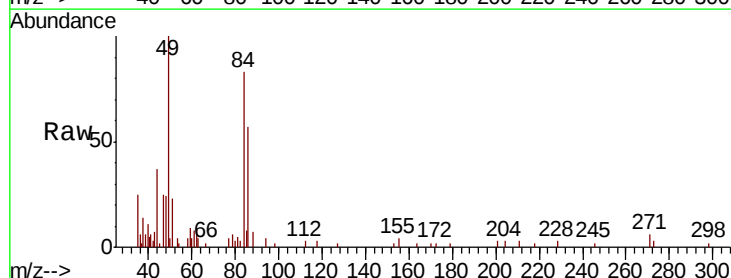
Ion Ratio Lower Upper

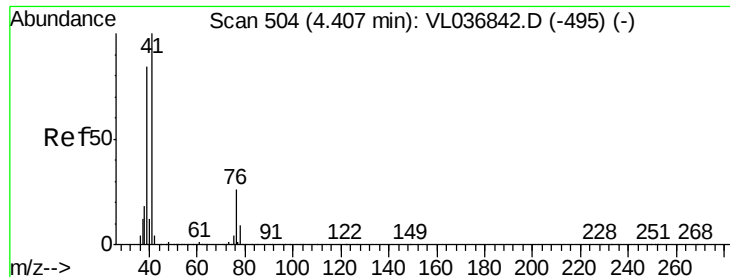
84 100

49 95.4 135.4 203.0#

51 28.6 39.3 58.9#

86 43.5 50.2 75.2#





#21

Allvl Chloride

Concen: 0.064 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

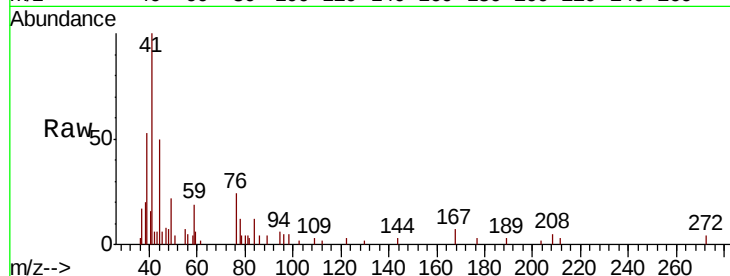
Tot Ion: 41 Resp: 5567

Ion Ratio Lower Upper

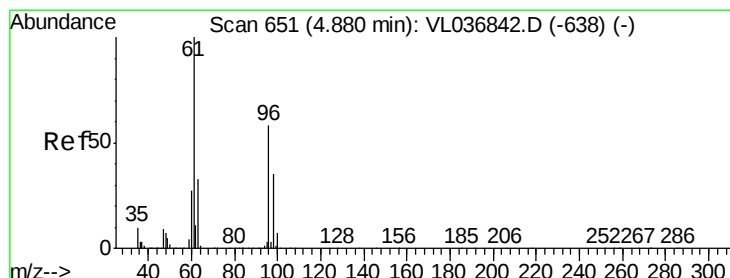
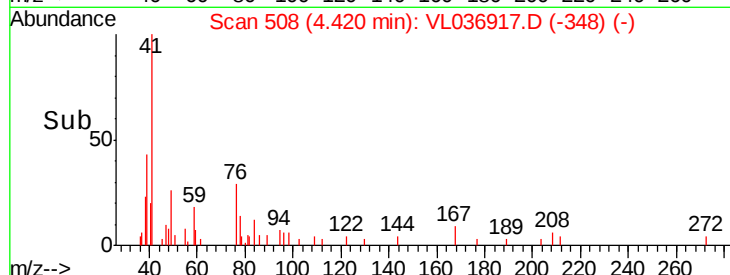
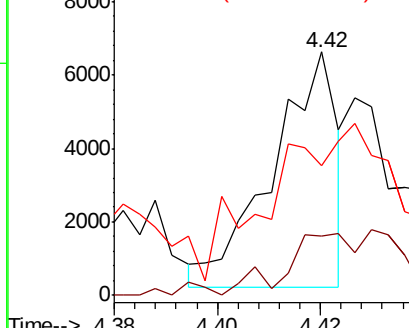
41 100

76 0.0 22.4 33.6#

39 0.0 68.4 102.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.059 ppbv

RT: 4.89 min Scan# 655

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

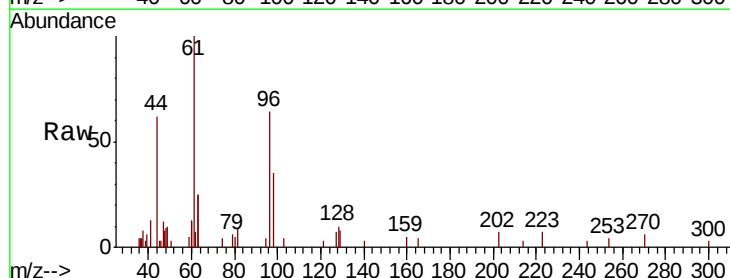
Tgt Ion: 96 Resp: 2983

Ion Ratio Lower Upper

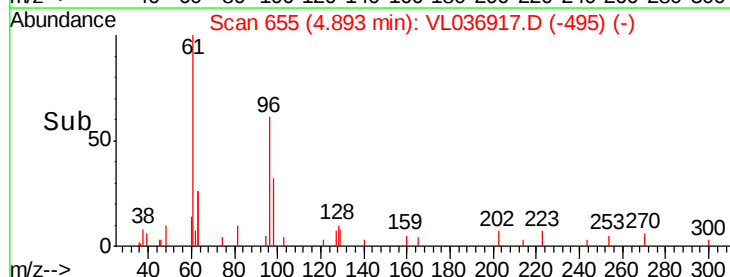
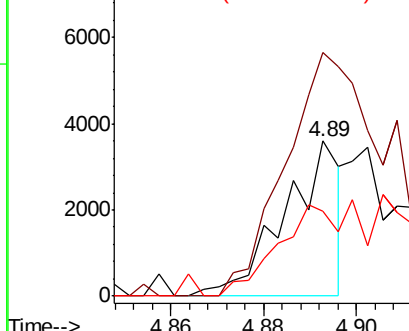
96 100

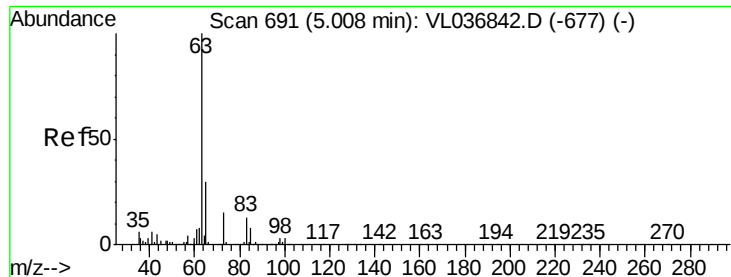
61 157.3 138.6 207.8

98 40.5 48.1 72.1#



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#24

1,1-Dichloroethane

Concen: 0.139 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

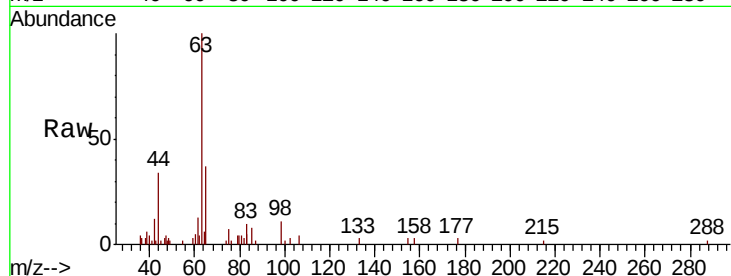
Tot Ion: 63 Resp: 15750

Ion Ratio Lower Upper

63 100

98 11.1 1.7 5.1#

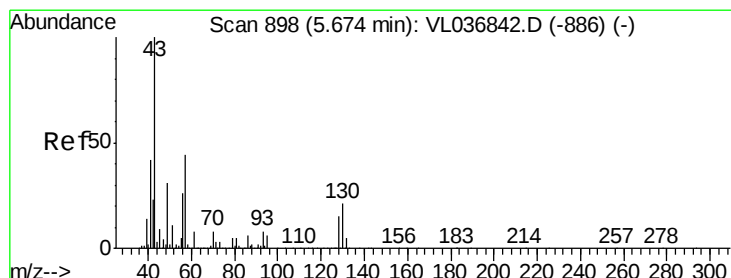
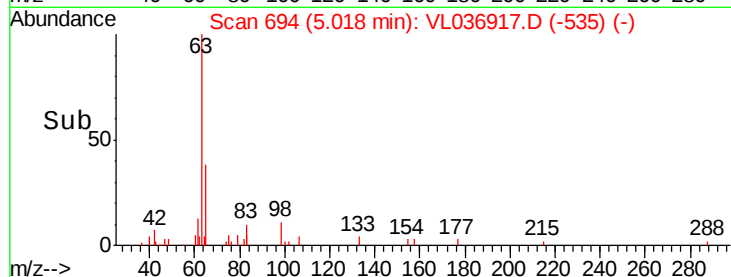
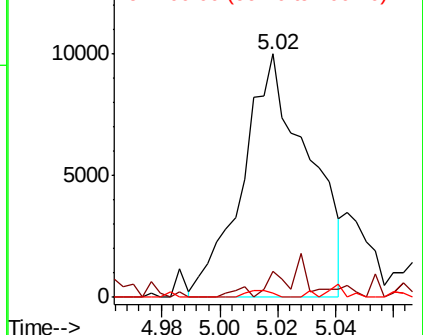
100 1.7 1.3 3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.036 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.03 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Tgt Ion: 43 Resp: 10239

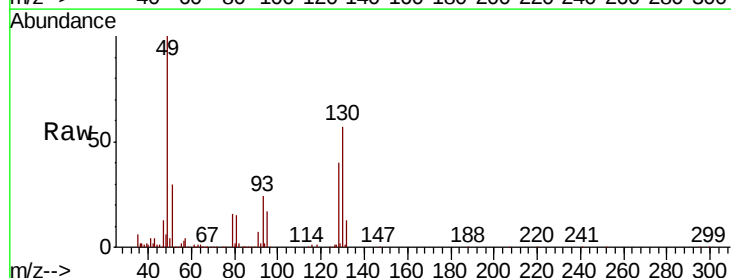
Ion Ratio Lower Upper

43 100

45 0.0 7.8 11.8#

61 0.0 7.4 11.0#

70 0.0 5.4 8.0#

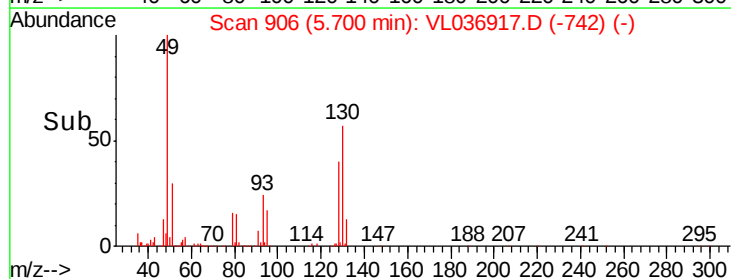
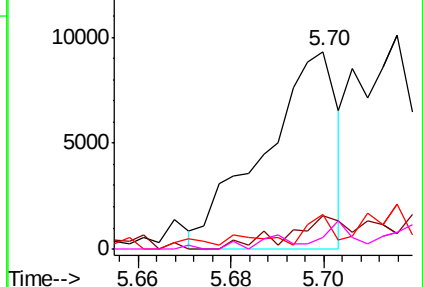


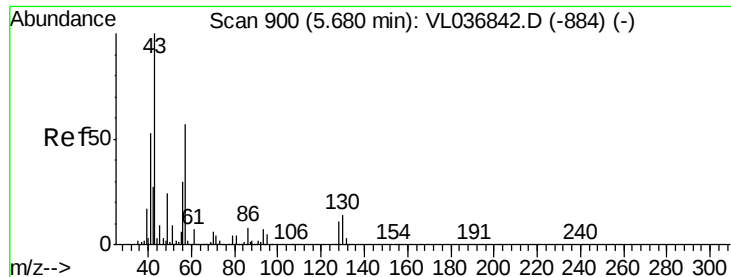
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.089 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.02 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 57 Resp: 11960

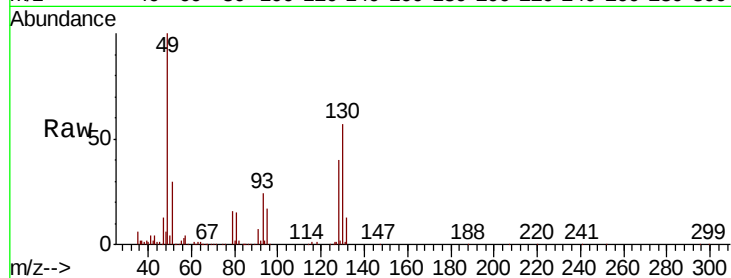
Ion Ratio Lower Upper

57 100

41 155.2 77.7 116.5#

43 0.0 180.5 270.7#

56 79.3 44.6 66.8#

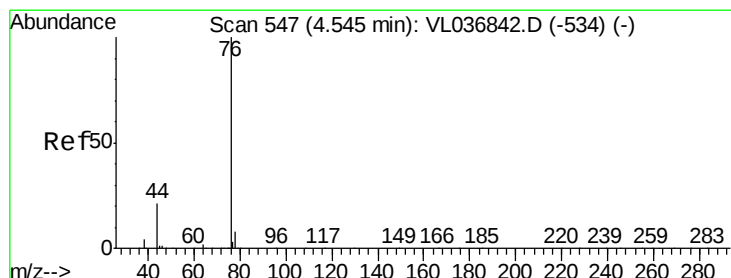
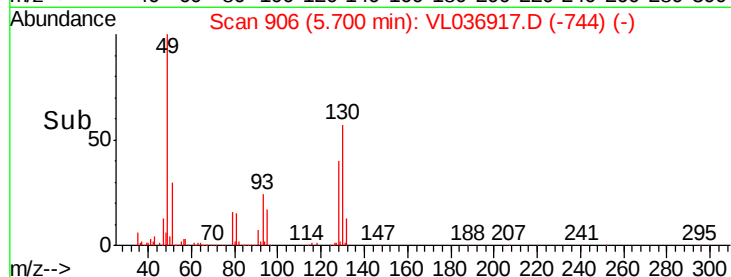
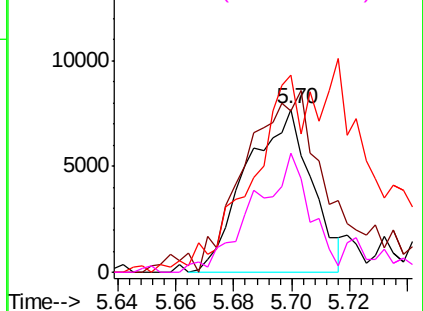


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.071 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.02 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

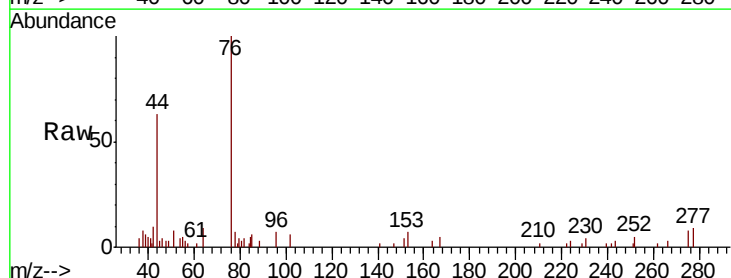
Tgt Ion: 76 Resp: 8299

Ion Ratio Lower Upper

76 100

44 112.9 16.9 25.3#

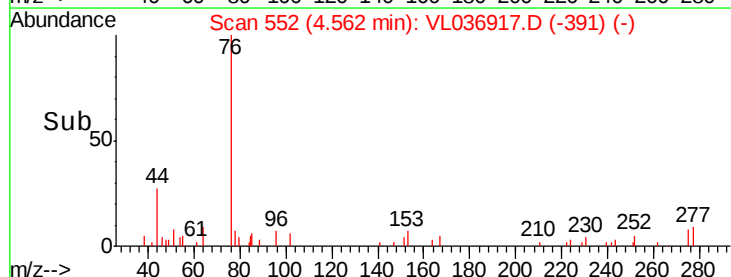
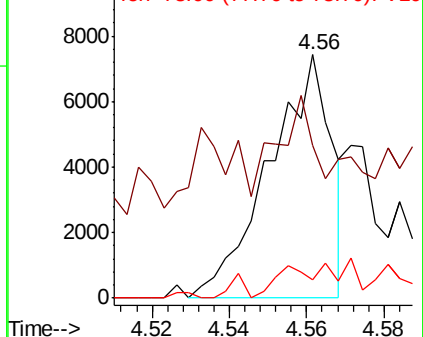
78 0.0 7.9 11.9#

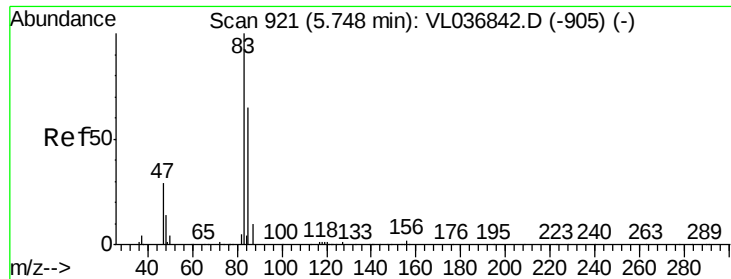


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.086 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

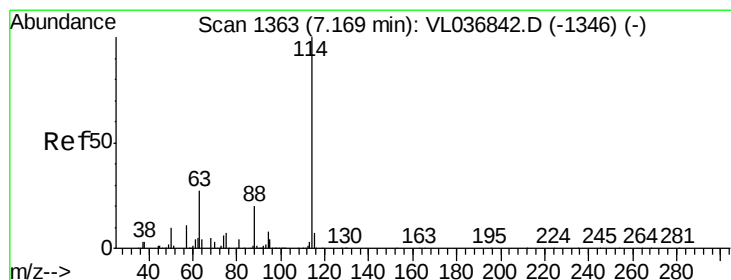
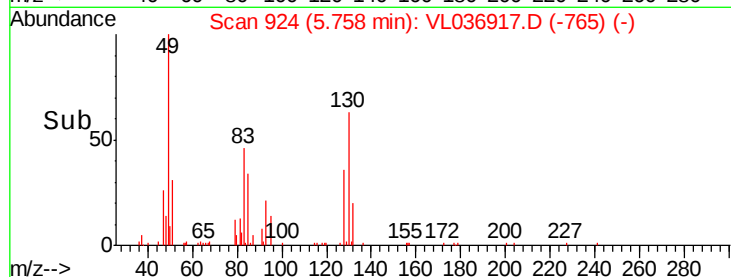
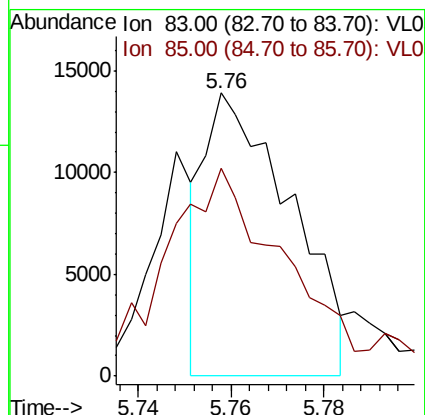
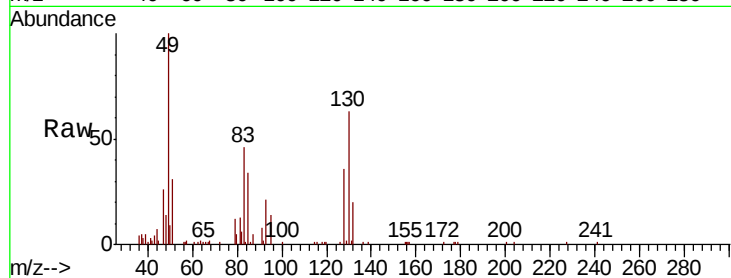
MDL-AIR-03-QT2-2021

Tot Ion: 83 Resp: 17893

Ion Ratio Lower Upper

83 100

85 65.9 52.2 78.4



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.02 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

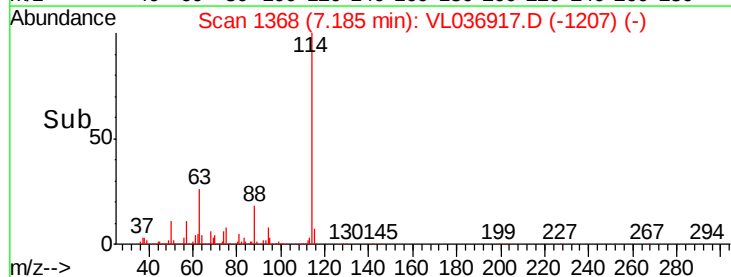
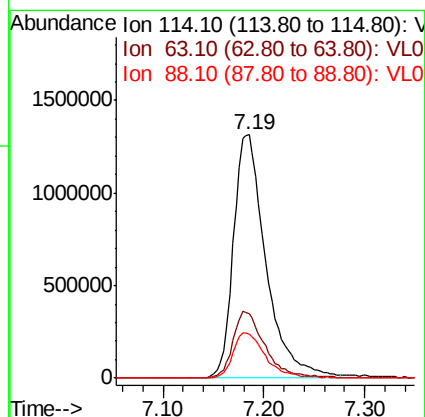
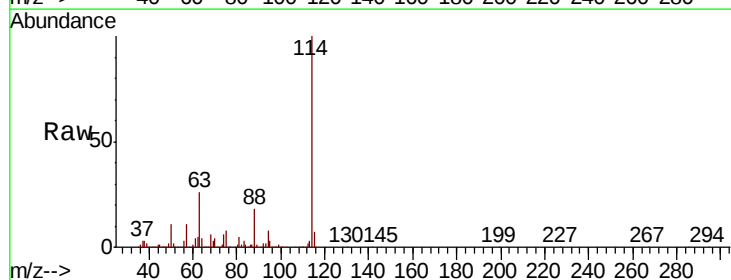
Tgt Ion: 114 Resp: 2955983

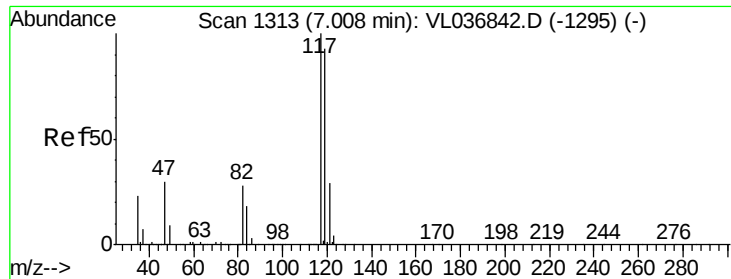
Ion Ratio Lower Upper

114 100

63 27.5 21.9 32.9

88 19.0 15.1 22.7





#35

Carbon Tetrachloride

Concen: 0.067 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

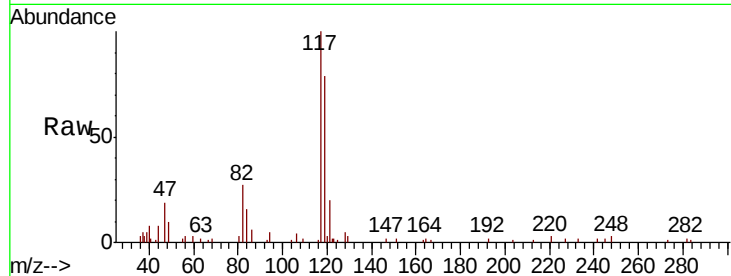
Tot Ion:117 Resp: 13379

Ion Ratio Lower Upper

117 100

119 76.9 74.6 111.8

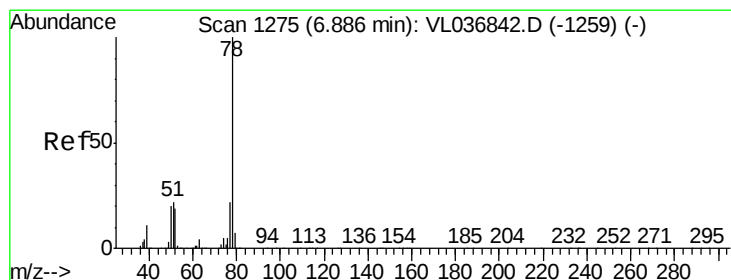
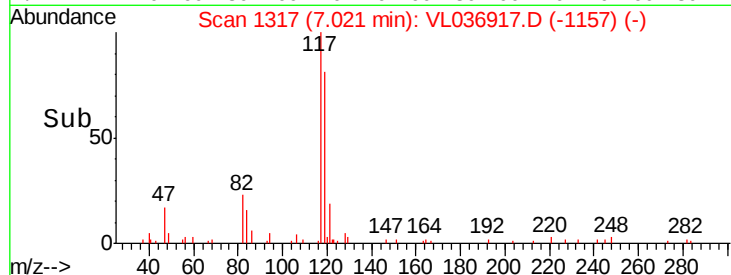
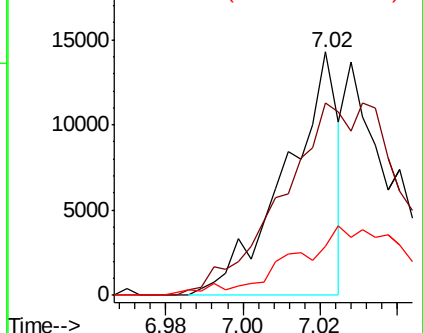
121 18.0 23.3 34.9#



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: 0.040 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

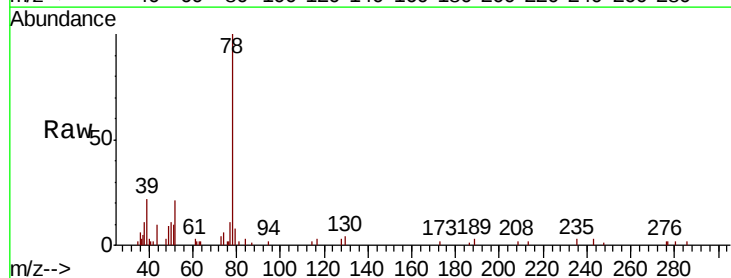
Tgt Ion: 78 Resp: 9857

Ion Ratio Lower Upper

78 100

77 0.0 17.6 26.4#

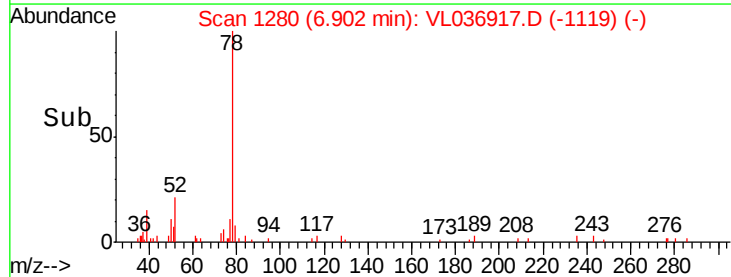
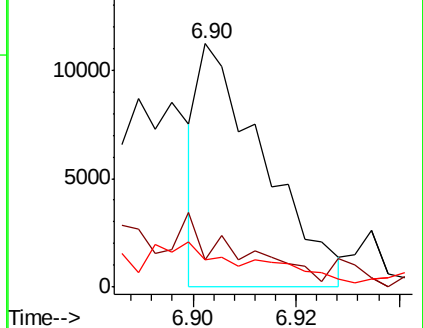
50 9.2 16.3 24.5#

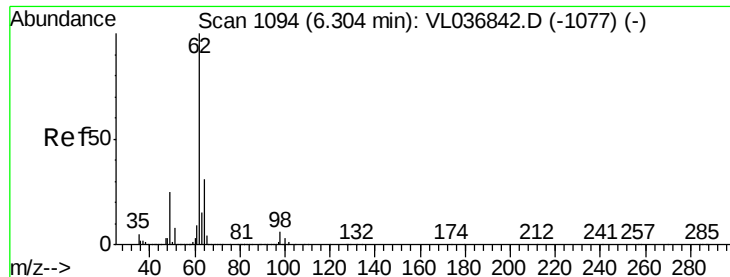


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.082 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

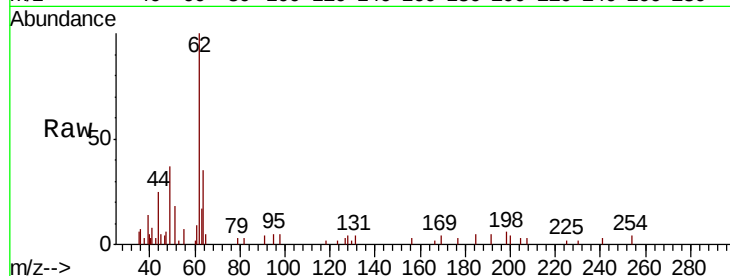
MDL-AIR-03-QT2-2021

Tot Ion: 62 Resp: 11595

Ion Ratio Lower Upper

62 100

98 9.6 4.8 7.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.32

8000

6000

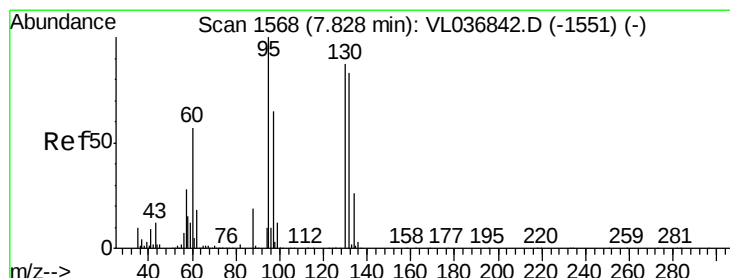
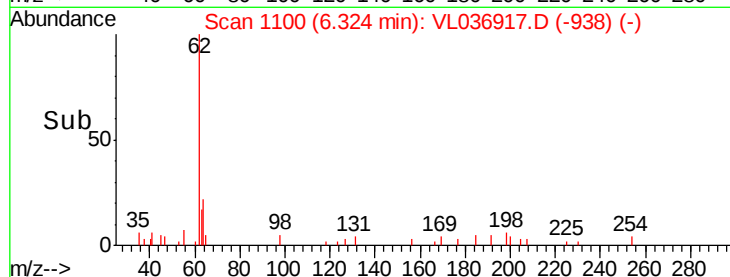
4000

2000

0

6.30 6.32 6.34 6.36

Time-->



#38

Trichloroethene

Concen: 0.067 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Tgt Ion: 130 Resp: 5923

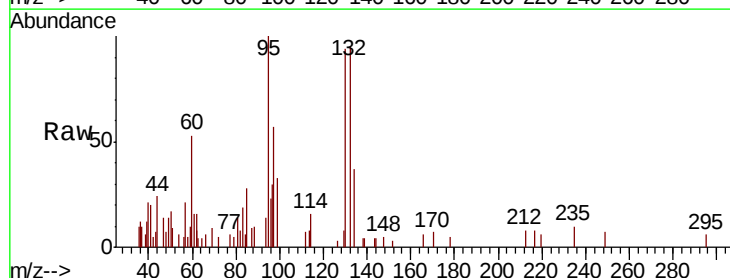
Ion Ratio Lower Upper

130 100

95 106.2 92.3 138.5

132 88.4 76.8 115.2

97 88.3 60.0 90.0



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

6000

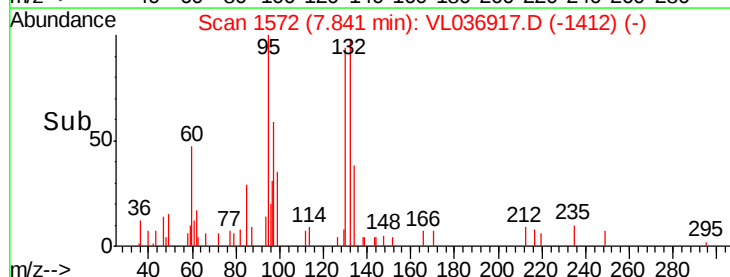
4000

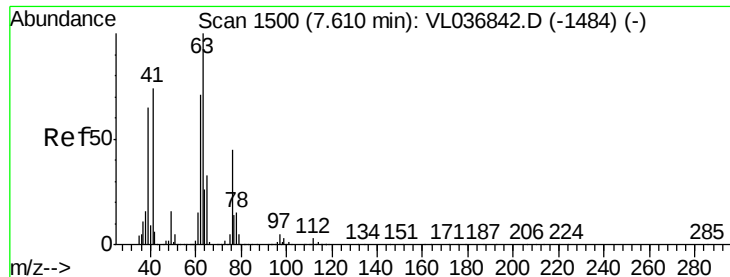
2000

0

7.80 7.82 7.84 7.86

Time-->





#39

1,2-Dichloropropane

Concen: 7.850 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.43 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

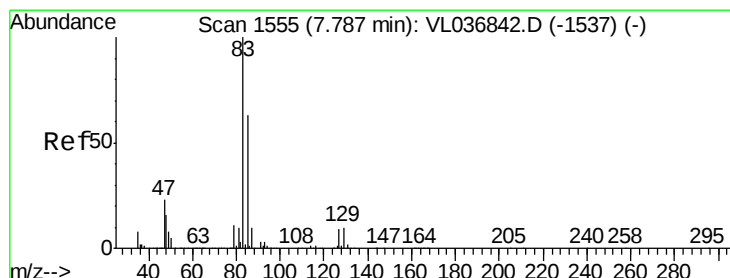
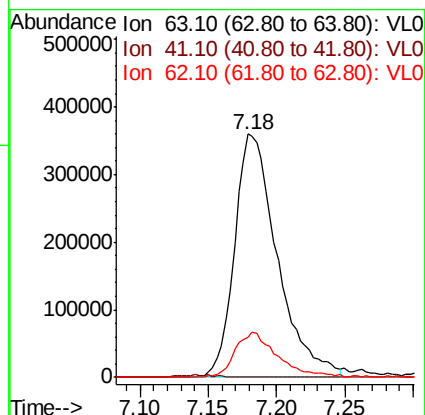
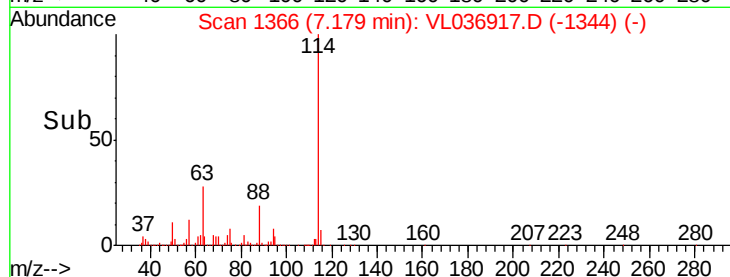
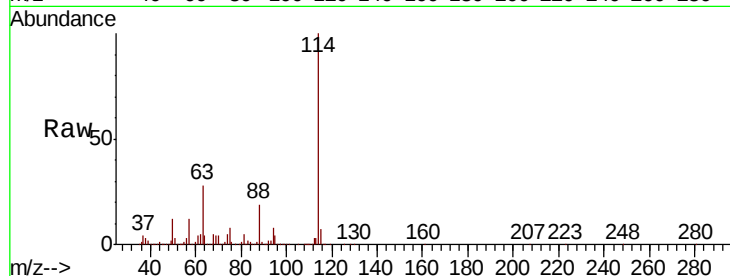
Tot Ion: 63 Resp: 783290

Ion Ratio Lower Upper

63 100

41 0.2 59.1 88.7#

62 16.5 56.9 85.3#



#42

Bromodichloromethane

Concen: 0.107 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

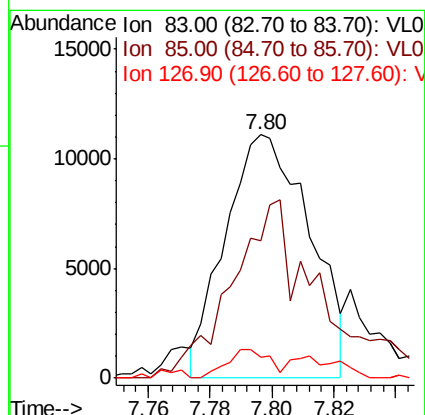
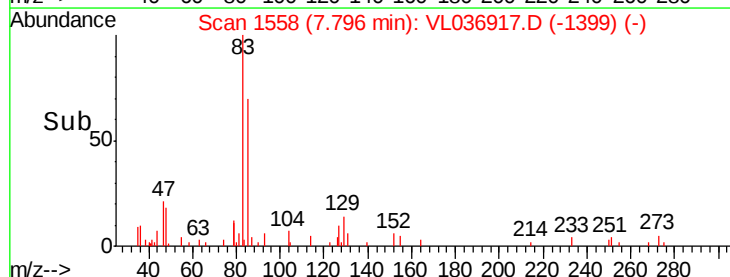
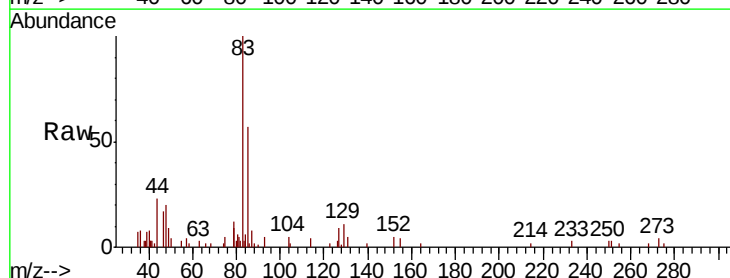
Tgt Ion: 83 Resp: 21035

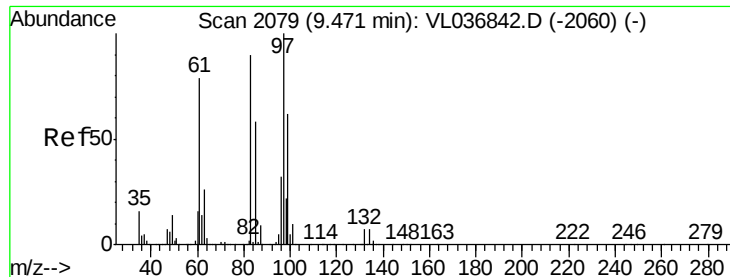
Ion Ratio Lower Upper

83 100

85 47.8 50.4 75.6#

127 9.4 6.9 10.3

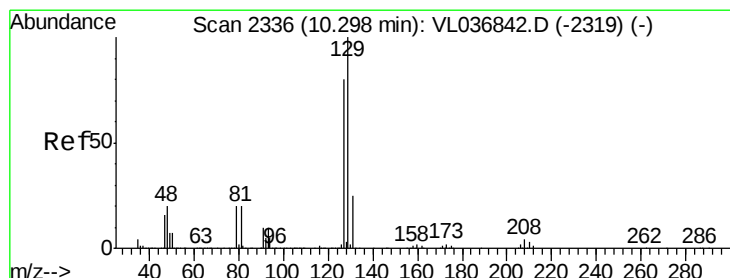
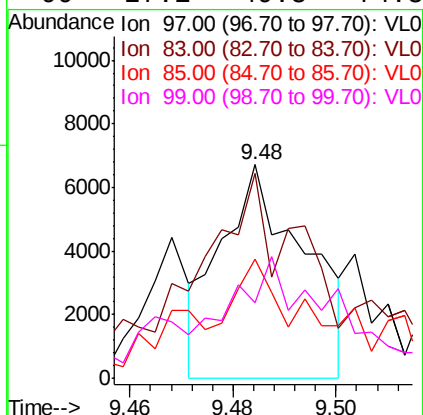
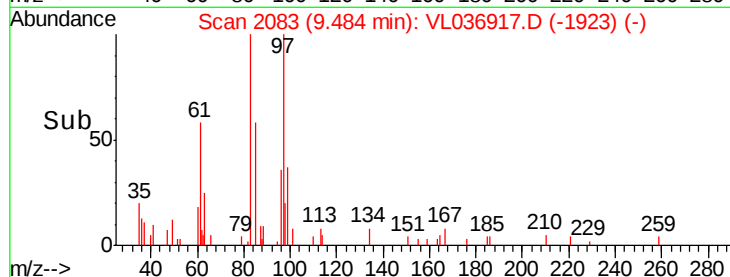
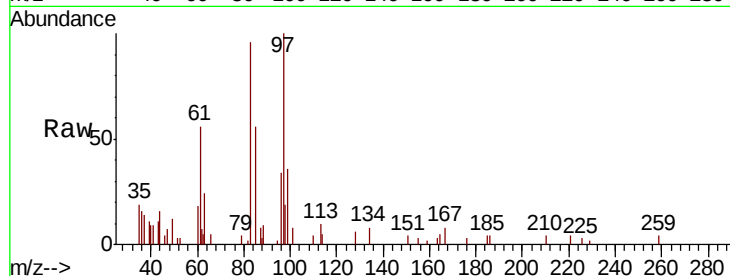




#47
 1,1,2-Trichloroethane
 Concen: 0.073 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.01 min
 Lab File: VL036917.D
 Acq: 7 May 2021 13:39

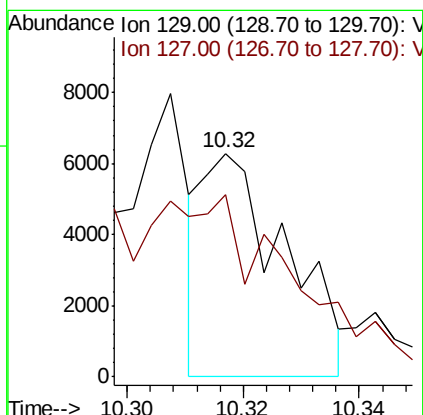
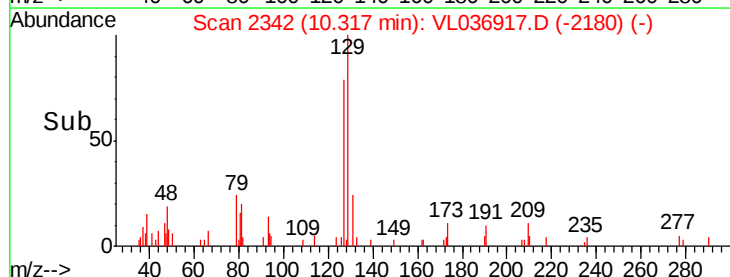
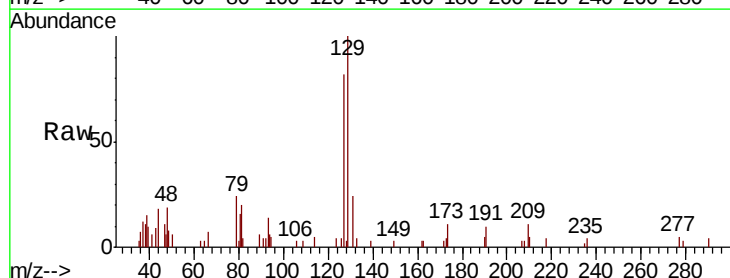
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

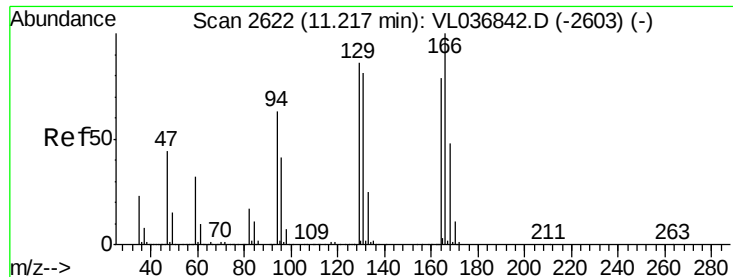
Tot Ion: 97 Resp: 7568
 Ion Ratio Lower Upper
 97 100
 83 129.5 71.9 107.9#
 85 56.0 46.5 69.7
 99 27.1 49.8 74.8#



#48
 Dibromochloromethane
 Concen: 0.040 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.02 min
 Lab File: VL036917.D
 Acq: 7 May 2021 13:39

Tgt Ion: 129 Resp: 6188
 Ion Ratio Lower Upper
 129 100
 127 192.9 40.2 120.5#





#52

Tetrachloroethene

Concen: 0.034 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.02 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:164 Resp: 2908

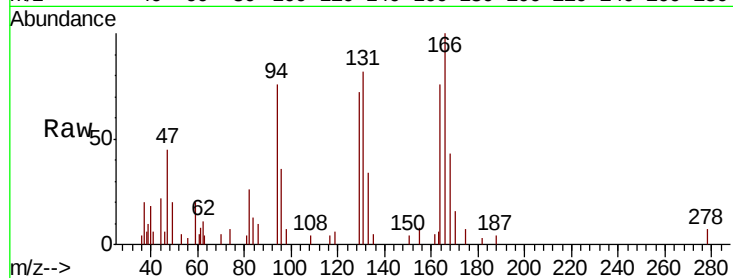
Ion Ratio Lower Upper

164 100

166 85.5 100.9 151.3#

129 70.8 87.0 130.4#

131 94.0 81.7 122.5



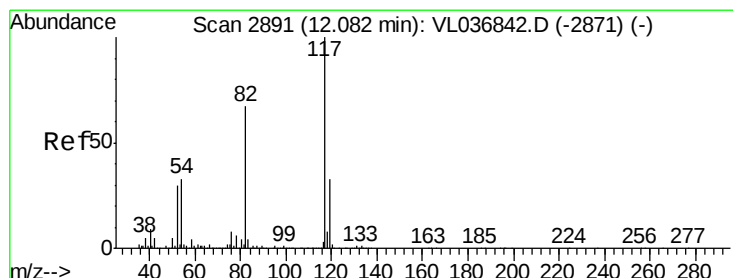
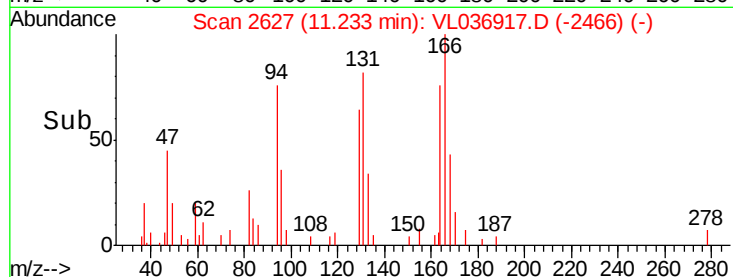
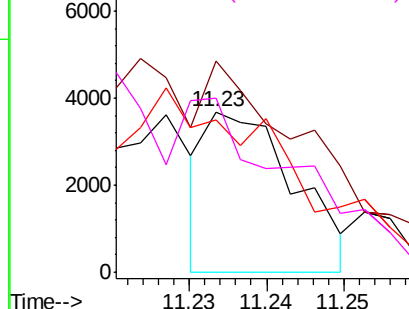
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

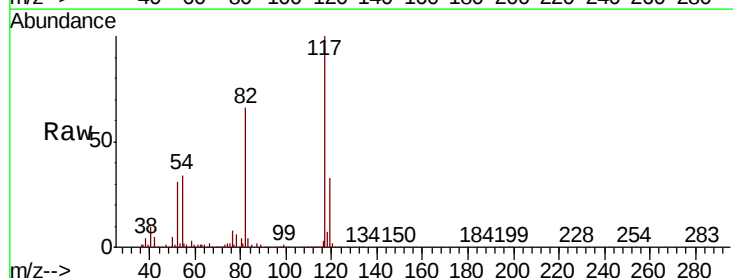
Tgt Ion:117 Resp: 2570066

Ion Ratio Lower Upper

117 100

82 68.9 53.5 80.3

119 33.5 25.6 38.4

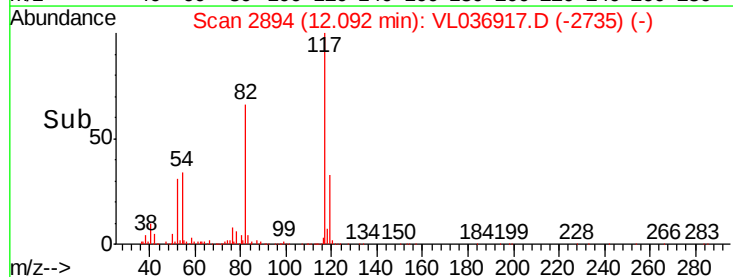
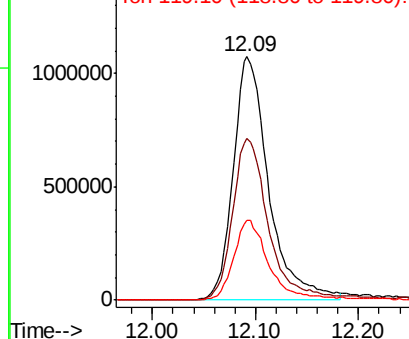


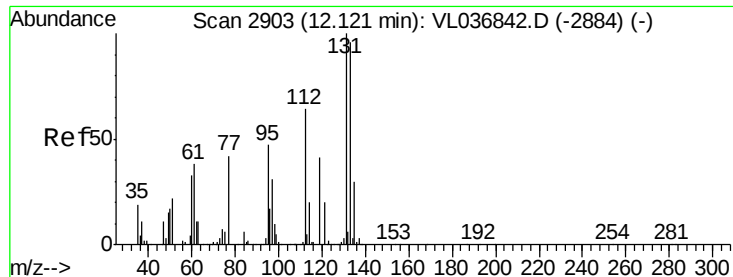
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#56

1,1,1,2-Tetrachloroethane

Concen: 0.049 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

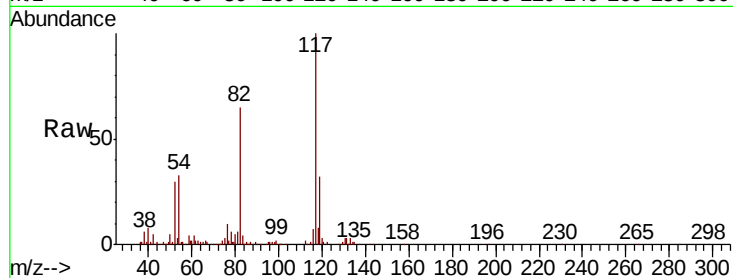
Tot Ion:131 Resp: 5291

Ion Ratio Lower Upper

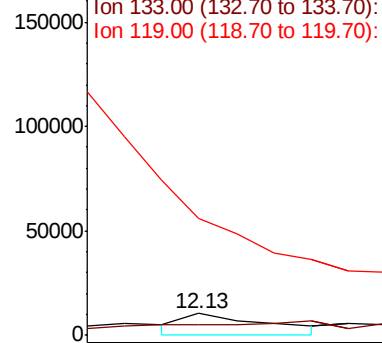
131 100

133 0.0 76.3 114.5#

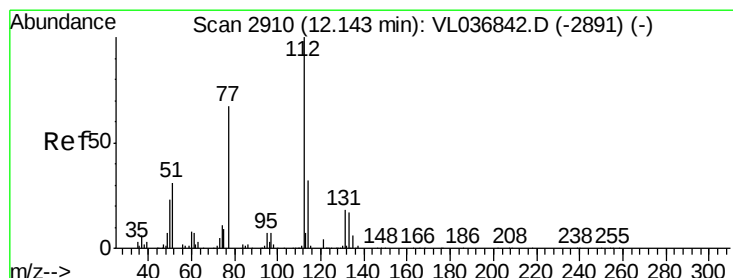
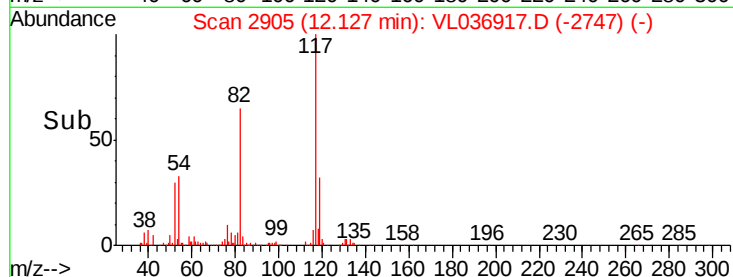
119 0.0 114.9 172.3#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



Time-->



#57

Chlorobenzene

Concen: 0.082 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

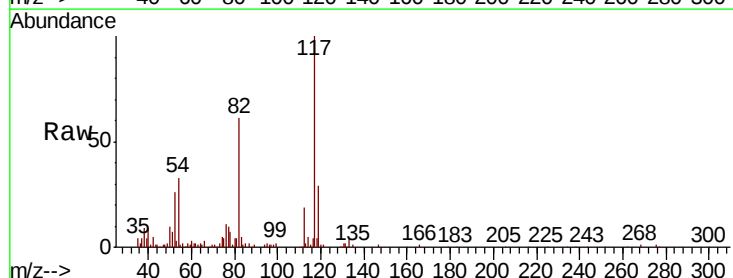
Tgt Ion:112 Resp: 16475

Ion Ratio Lower Upper

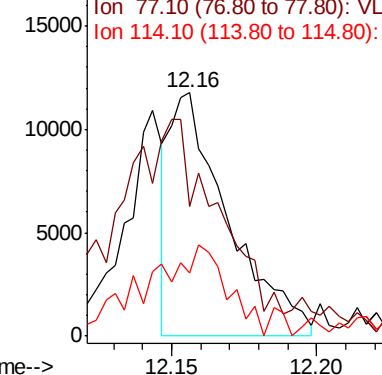
112 100

77 45.2 54.2 81.4#

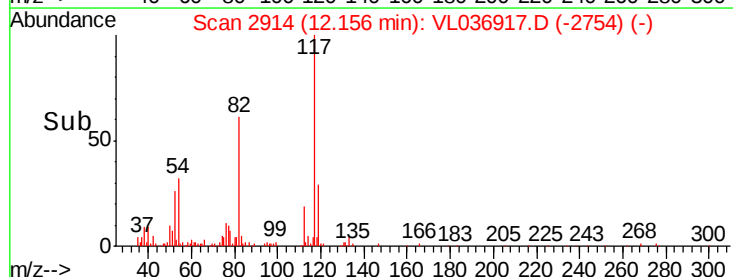
114 19.4 28.5 34.9#

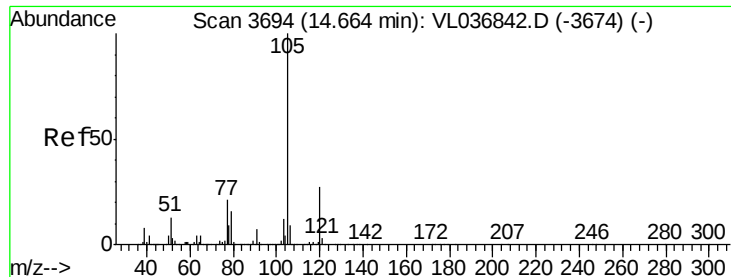


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): V
Ion 114.10 (113.80 to 114.80): V



Time-->





#62

Isopropylbenzene

Concen: 0.049 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

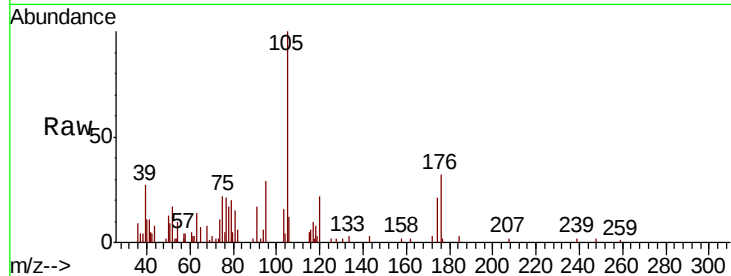
MDL-AIR-03-QT2-2021

Tot Ion: 105 Resp: 18804

Ion Ratio Lower Upper

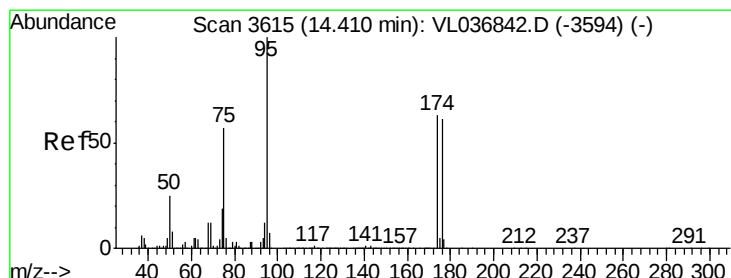
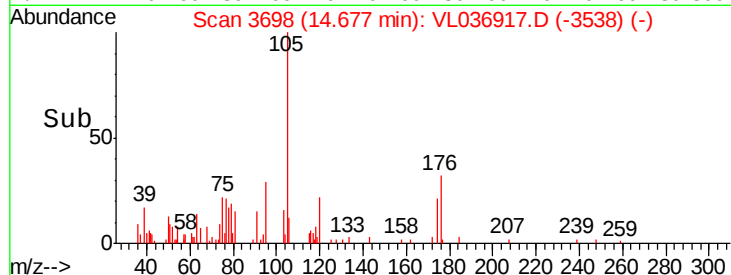
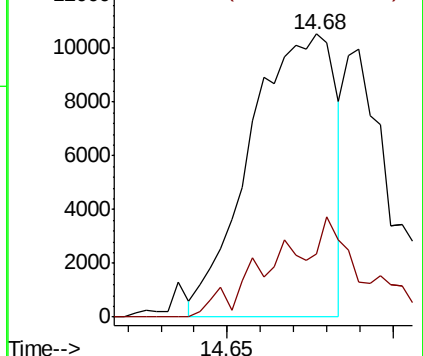
105 100

120 40.9 21.1 31.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.752 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

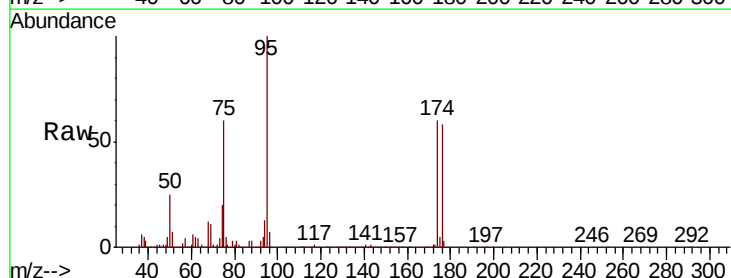
Tgt Ion: 95 Resp: 2011978

Ion Ratio Lower Upper

95 100

174 67.4 52.2 78.2

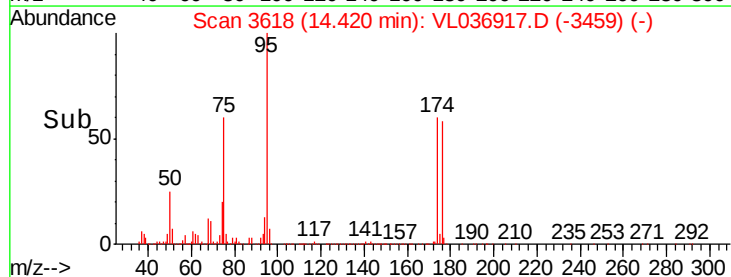
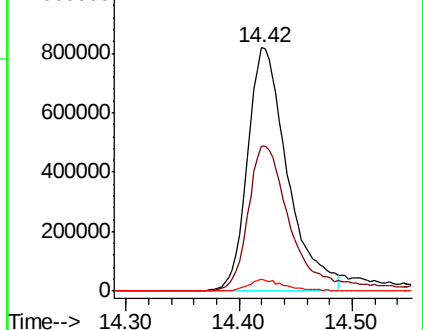
175 4.8 4.0 6.0

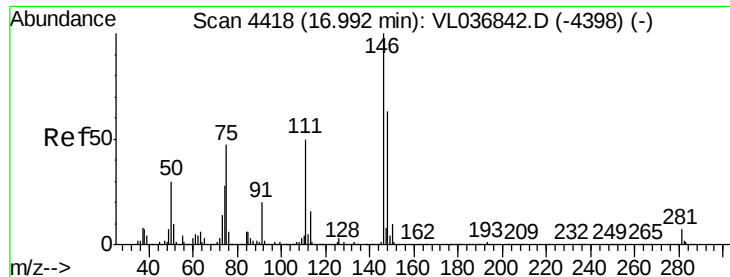


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#75

1,3-Dichlorobenzene

Concen: 0.032 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

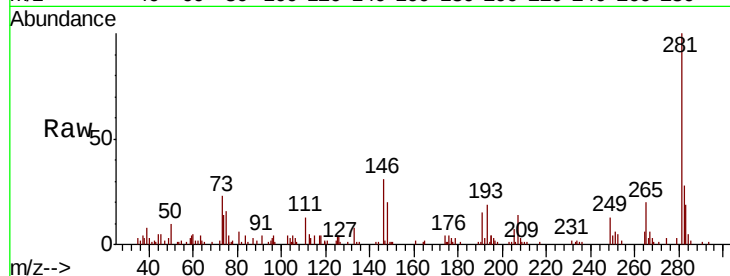
Tot Ion:146 Resp: 5892

Ion Ratio Lower Upper

146 100

111 0.0 24.2 72.6#

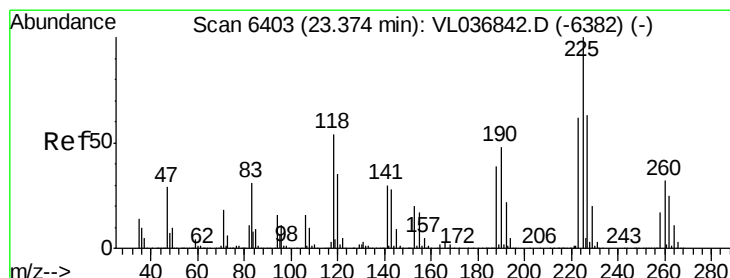
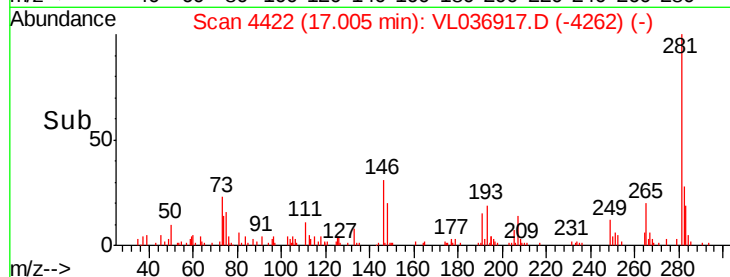
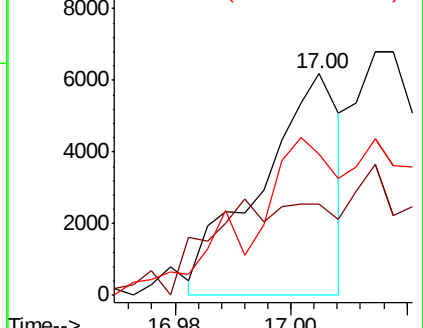
148 216.3 32.1 96.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.059 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.01 min

Lab File: VL036917.D

Acq: 7 May 2021 13:39

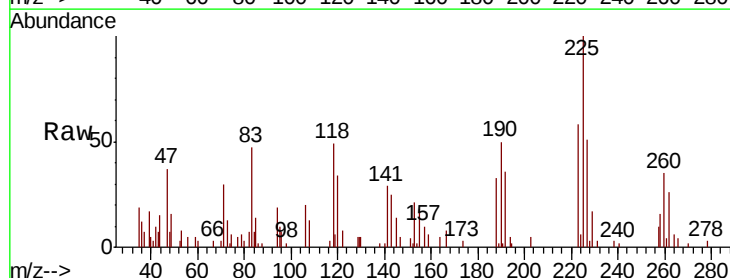
Tgt Ion:225 Resp: 9017

Ion Ratio Lower Upper

225 100

223 153.7 51.2 76.8#

227 173.2 51.8 77.6#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

