

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035773.D
 Acq On : 12 Oct 2020 22:24
 Operator : SY/AP
 Sample : L4214-14 L00 0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Quant Time: Oct 13 00:07:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1012541	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4158403	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4081162	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2980054	9.74	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

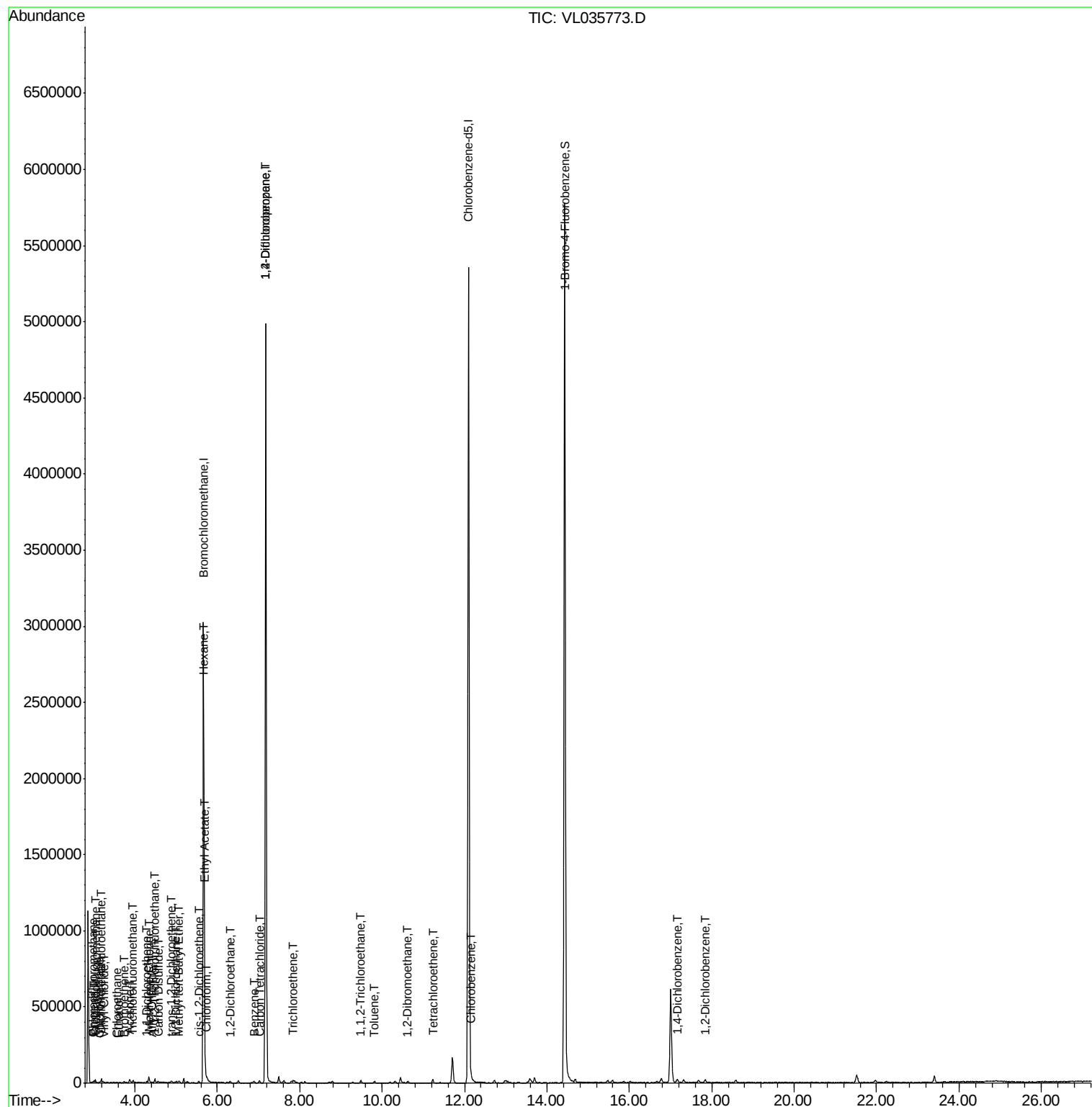
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	12685	0.076	ppbv	90
3) Chlorodifluoromethane	2.98	51	5746	0.053	ppbv	96
4) Chloromethane	3.13	50	3172	0.054	ppbv	89
5) Vinyl Chloride	3.26	62	3516	0.051	ppbv	95
7) Chloroethane	3.55	64	1315	0.052	ppbv #	86
8) Dichlorotetrafluoroethane	3.18	85	10697	0.053	ppbv	96
9) Propene	3.01	41	4811	0.122	ppbv	90
11) Trichlorofluoromethane	3.94	101	8333	0.035	ppbv	84
12) 1,1,2-Trichlorotrifluoroet	4.48	101	8773	0.050	ppbv	97
13) Ethanol	3.62	45	528	0.054	ppbv	95
14) Bromoethene	3.74	108	3834	0.052	ppbv	99
15) Acetone	3.87	43	18646	0.171	ppbv #	43
18) 1,1-Dichloroethene	4.28	96	3654	0.047	ppbv #	79
20) Methylene Chloride	4.34	84	15919	0.199	ppbv	96
21) Allyl Chloride	4.41	41	2331	0.044	ppbv	91
22) trans-1,2-Dichloroethene	4.89	96	3919	0.048	ppbv	96
24) 1,1-Dichloroethane	5.01	63	7629	0.052	ppbv	97
25) Ethyl Acetate	5.69	43	9680	0.049	ppbv	96
26) Hexane	5.68	57	6035	0.056	ppbv	94
27) Carbon Disulfide	4.55	76	6702	0.042	ppbv #	74
28) Methyl tert-Butyl Ether	5.06	73	8105	0.048	ppbv	97
29) Chloroform	5.75	83	11853	0.054	ppbv	92
31) cis-1,2-Dichloroethene	5.55	61	4819	0.046	ppbv #	83
35) Carbon Tetrachloride	7.02	117	8128	0.037	ppbv	93
36) Benzene	6.89	78	11655	0.043	ppbv #	89
37) 1,2-Dichloroethane	6.31	62	6973	0.049	ppbv	97
38) Trichloroethene	7.84	130	6280	0.046	ppbv #	82
39) 1,2-Dichloropropane	7.18	63	777619	7.918	ppbv #	30
47) 1,1,2-Trichloroethane	9.48	97	6091	0.043	ppbv	93
52) Tetrachloroethene	11.24	164	5830	0.045	ppbv	90
53) Toluene	9.81	91	10530	0.033	ppbv	93
54) 1,2-Dibromoethane	10.62	107	8962	0.043	ppbv	82
57) Chlorobenzene	12.16	112	17139	0.056	ppbv #	85
76) 1,4-Dichlorobenzene	17.16	146	13937	0.047	ppbv	97
77) 1,2-Dichlorobenzene	17.84	146	13184	0.045	ppbv	97

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

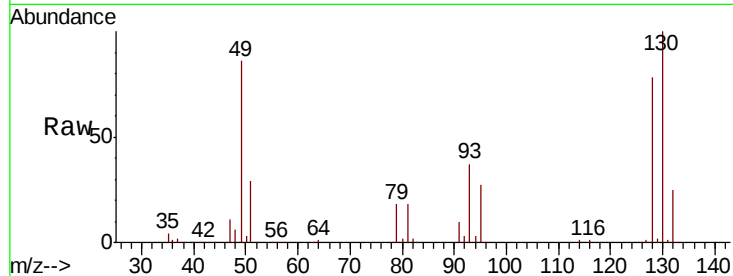
Tot Ion: 49 Resp: 1012541

Ion Ratio Lower Upper

49 100

128 90.2 43.1 129.4

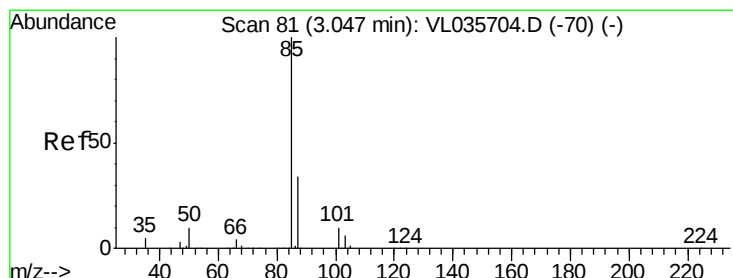
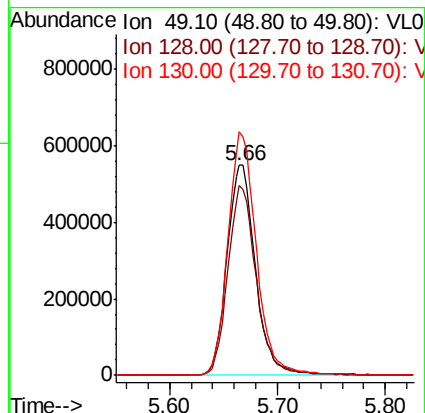
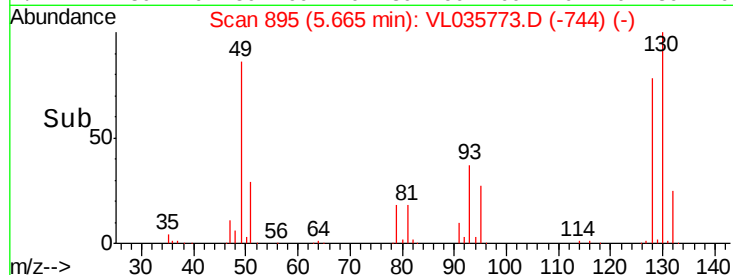
130 116.2 54.9 164.7



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: 0.076 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL035773.D

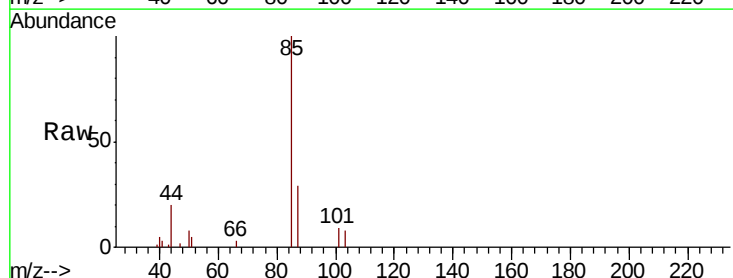
Acq: 12 Oct 2020 22:24

Tgt Ion: 85 Resp: 12685

Ion Ratio Lower Upper

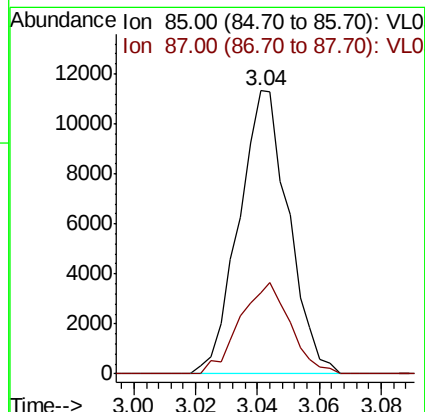
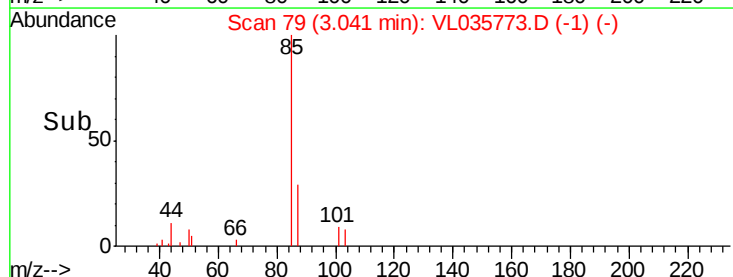
85 100

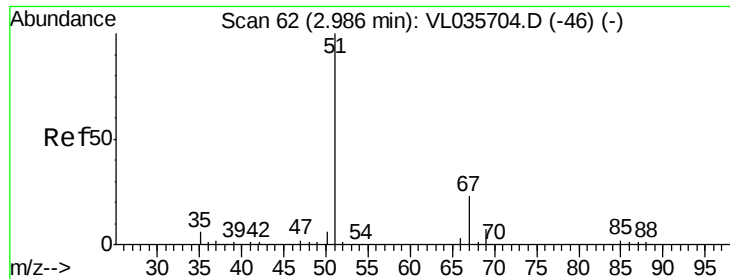
87 28.5 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.053 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

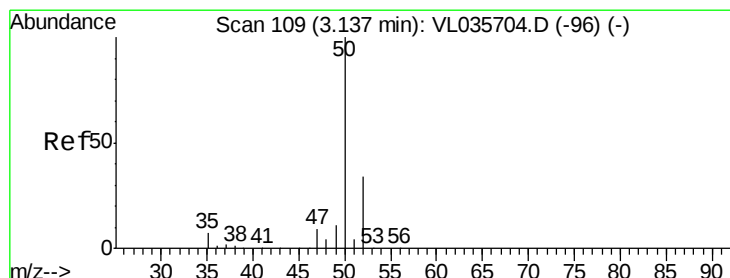
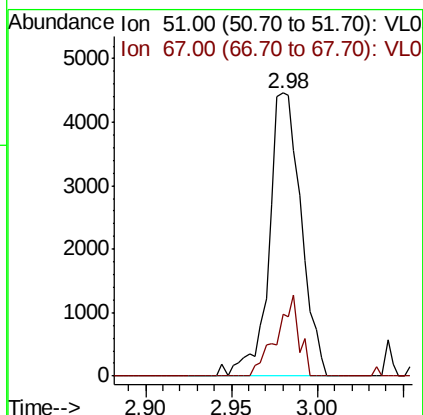
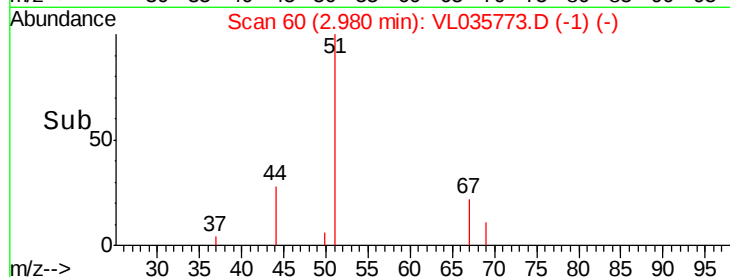
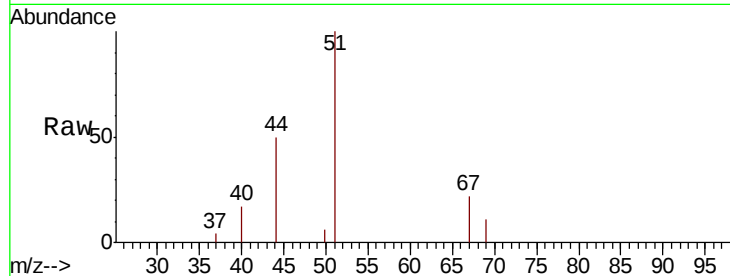
LOQ-AIR-01-QT4-2020

Tot Ion: 51 Resp: 5746

Ion Ratio Lower Upper

51 100

67 20.2 17.8 26.8



#4

Chloromethane

Concen: 0.054 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035773.D

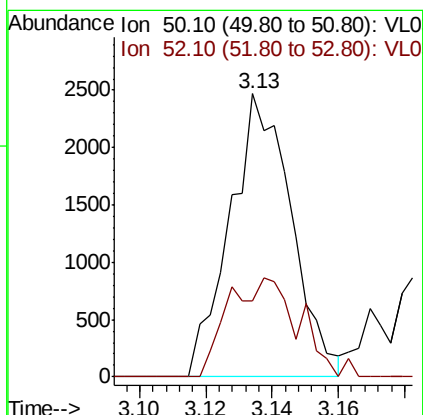
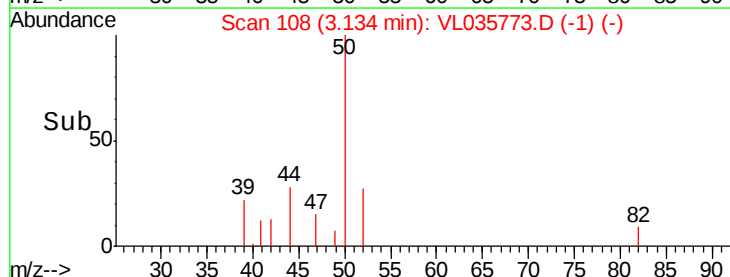
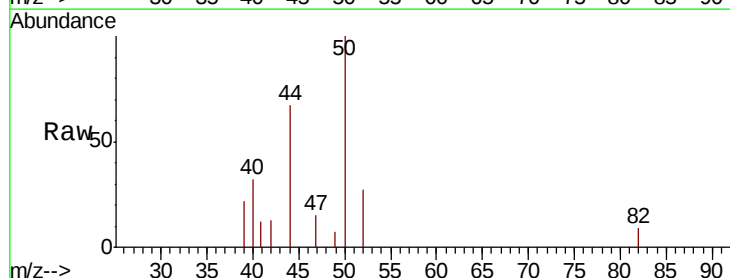
Acq: 12 Oct 2020 22:24

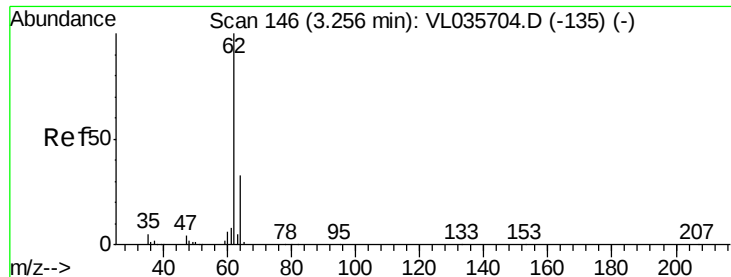
Tgt Ion: 50 Resp: 3172

Ion Ratio Lower Upper

50 100

52 27.0 26.8 40.2





#5

Vinyl Chloride

Concen: 0.051 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

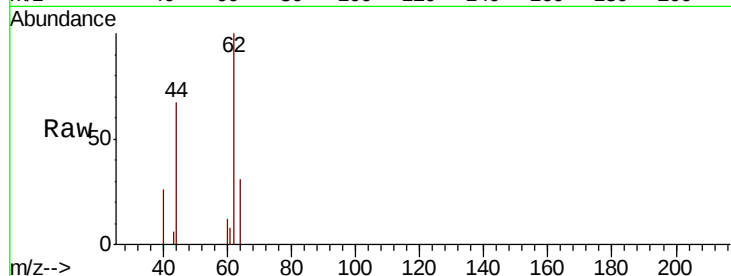
LOQ-AIR-01-QT4-2020

Tot Ion: 62 Resp: 3516

Ion Ratio Lower Upper

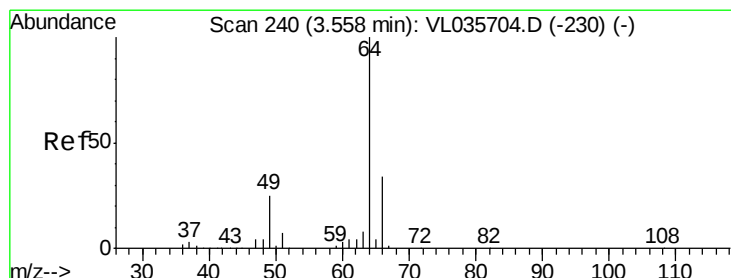
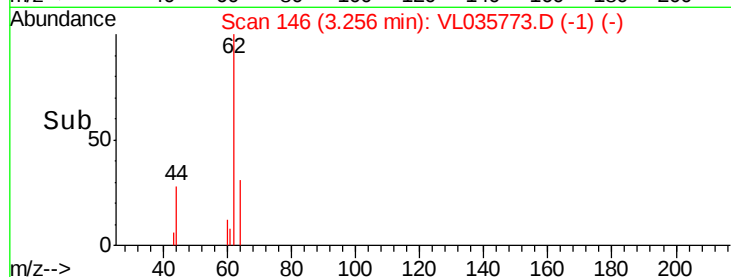
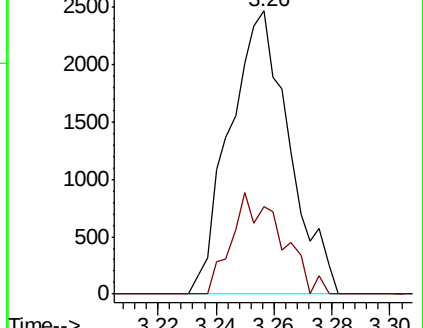
62 100

64 30.9 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 0.052 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL035773.D

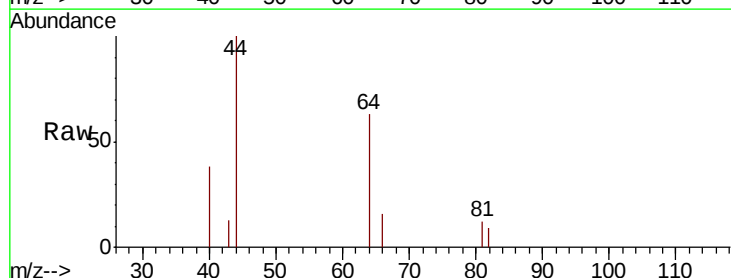
Acq: 12 Oct 2020 22:24

Tgt Ion: 64 Resp: 1315

Ion Ratio Lower Upper

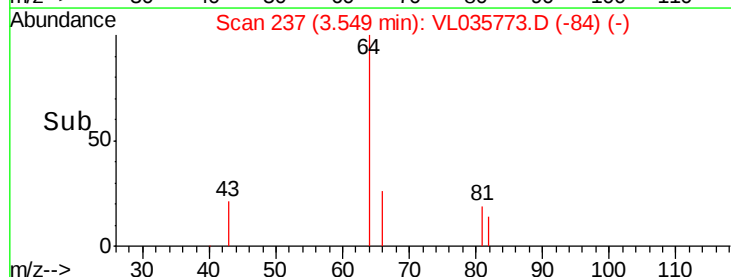
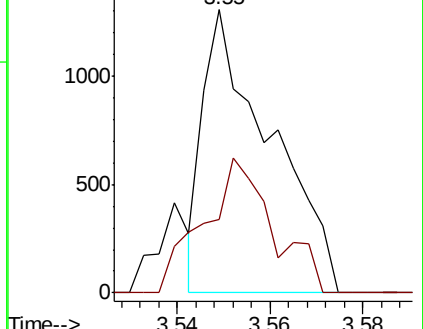
64 100

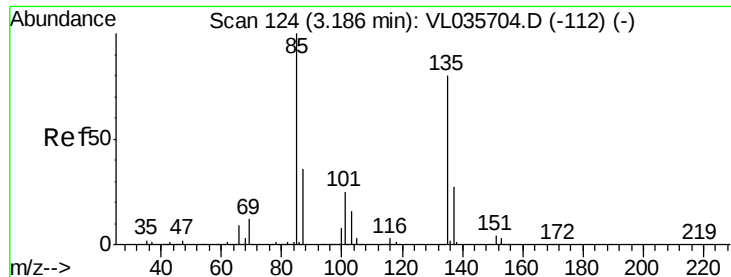
66 25.8 26.9 40.3#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.053 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

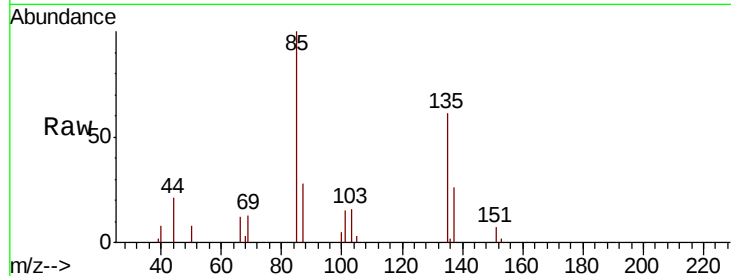
LOQ-AIR-01-QT4-2020

Tot Ion: 85 Resp: 10697

Ion Ratio Lower Upper

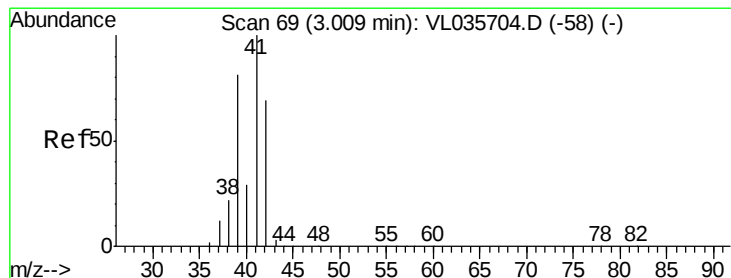
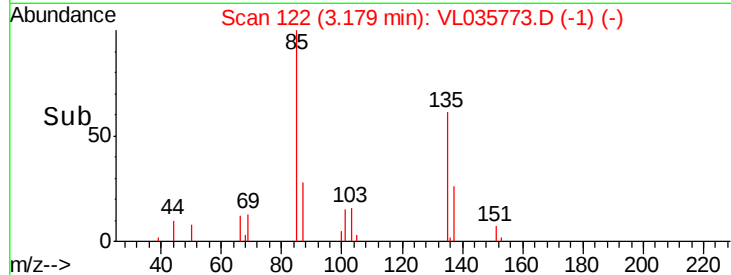
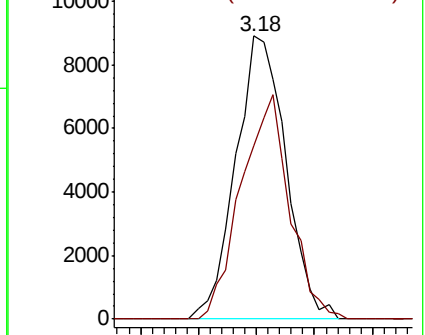
85 100

135 76.7 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 0.122 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL035773.D

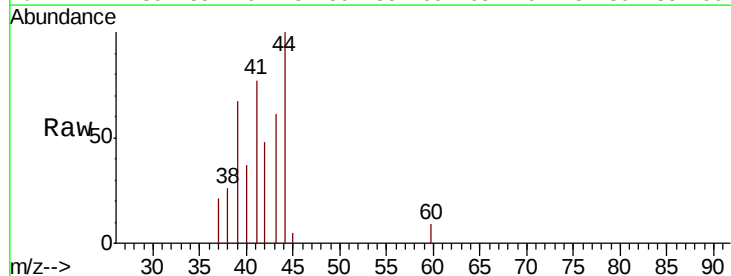
Acq: 12 Oct 2020 22:24

Tgt Ion: 41 Resp: 4811

Ion Ratio Lower Upper

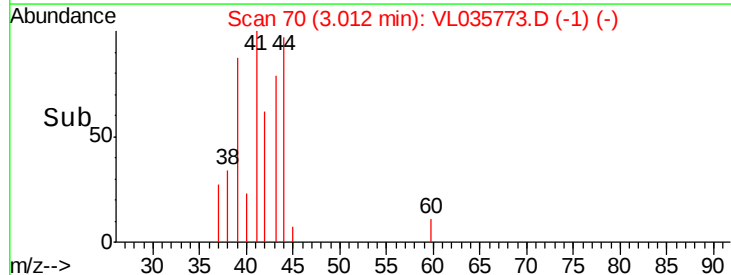
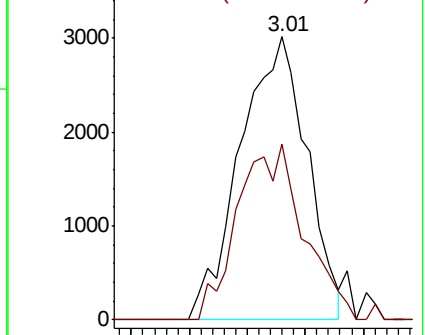
41 100

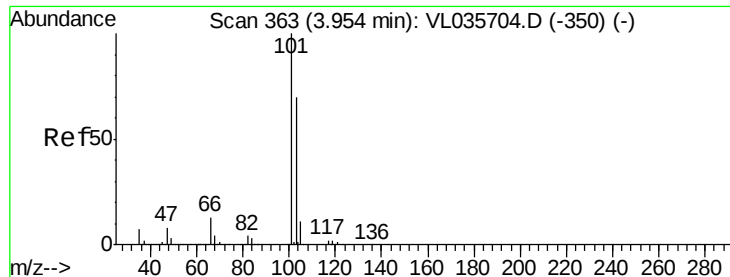
42 62.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

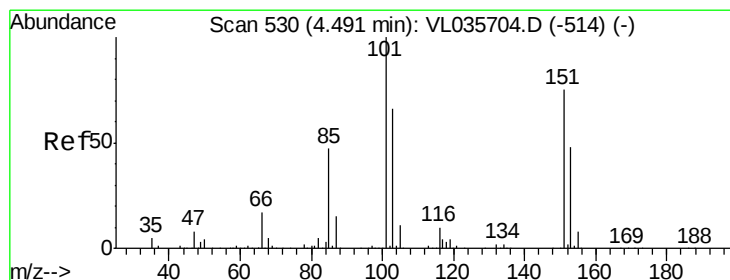
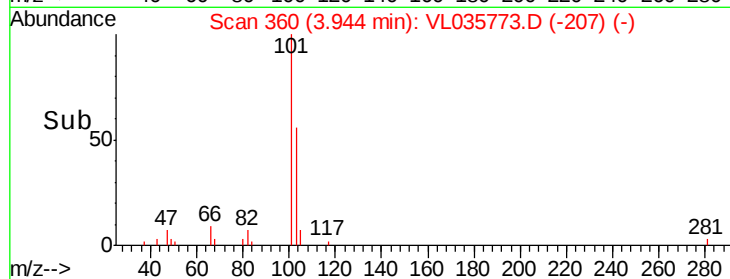
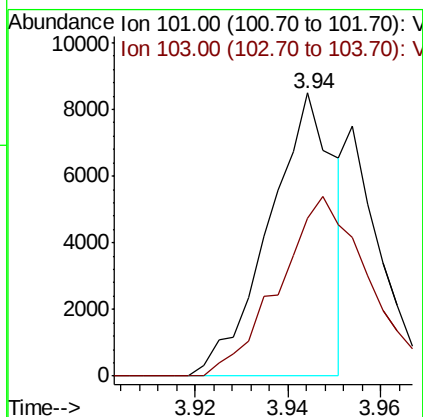
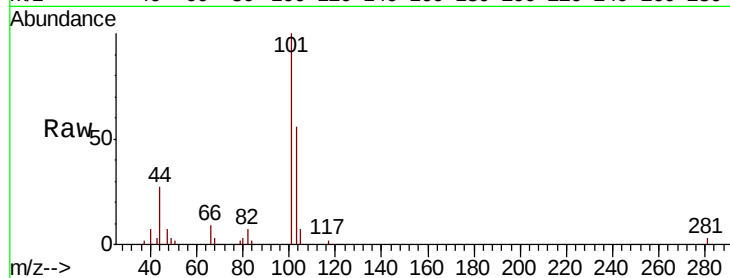




#11
 Trichlorofluoromethane
 Concen: 0.035 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

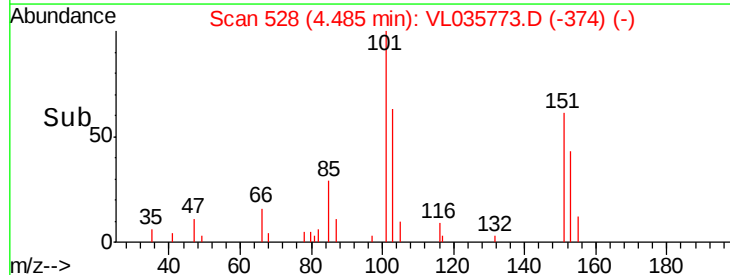
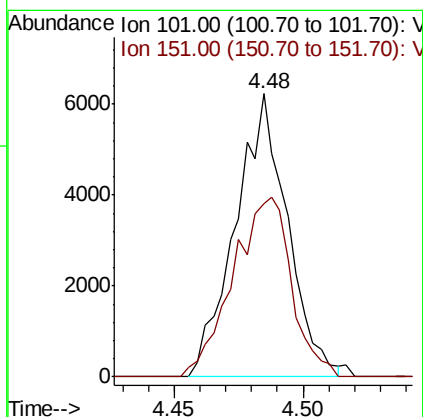
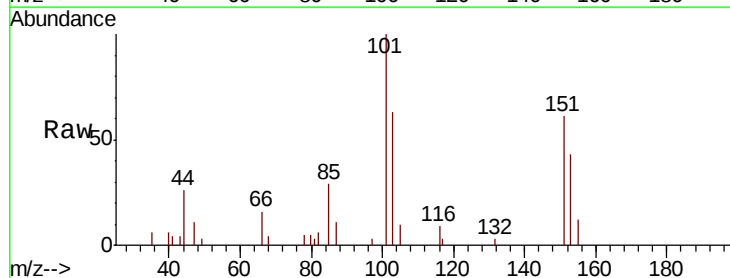
Instrument :
 MSVOA_L
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 LOQ-AIR-01-QT4-2020

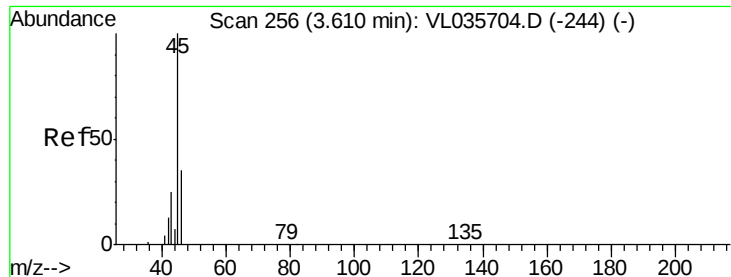
Tot Ion:101 Resp: 8333
 Ion Ratio Lower Upper
 101 100
 103 56.0 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.050 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

Tgt Ion:101 Resp: 8773
 Ion Ratio Lower Upper
 101 100
 151 71.5 59.1 88.7





#13

Ethanol

Concen: 0.054 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

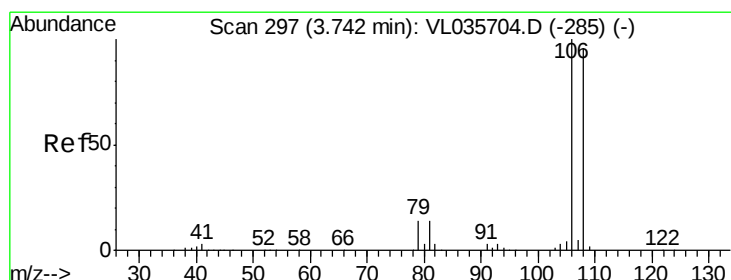
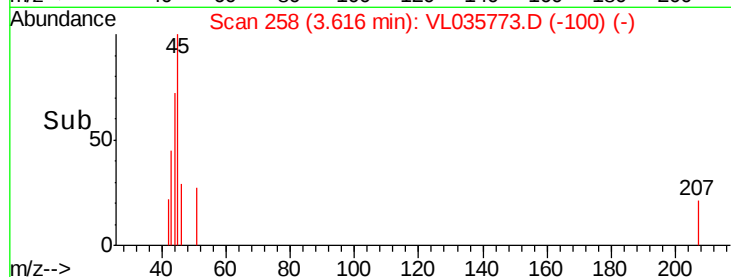
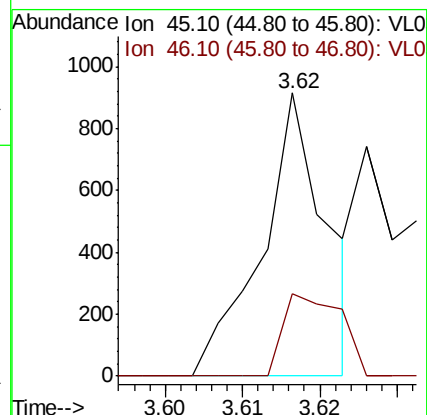
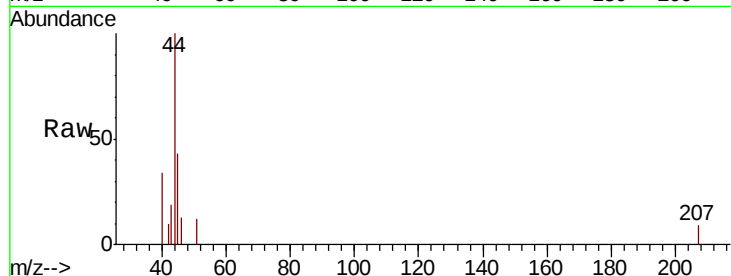
LOQ-AIR-01-QT4-2020

Tot Ion: 45 Resp: 528

Ion Ratio Lower Upper

45 100

46 39.6 14.7 58.7



#14

Bromoethene

Concen: 0.052 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

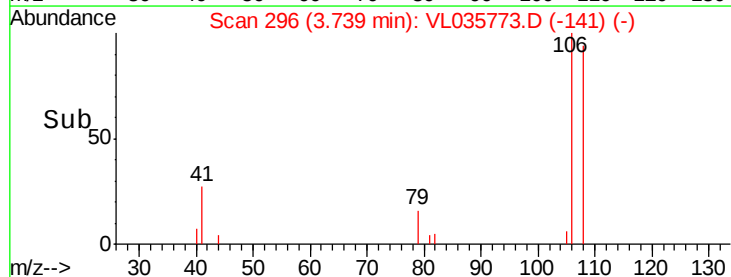
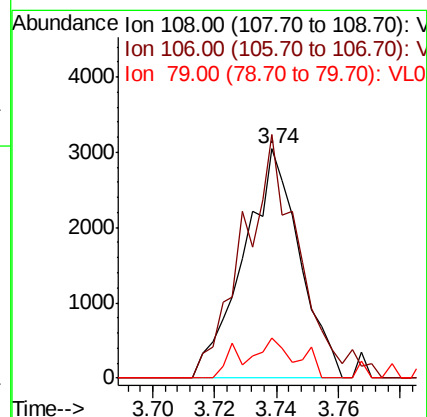
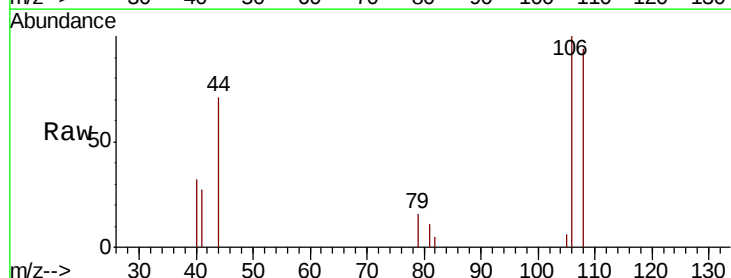
Tgt Ion: 108 Resp: 3834

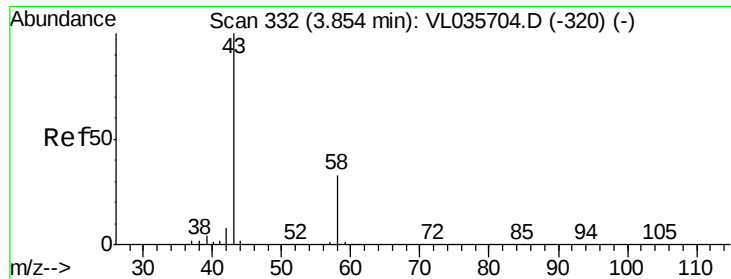
Ion Ratio Lower Upper

108 100

106 106.4 84.6 126.8

79 16.2 11.6 17.4





#15

Acetone

Concen: 0.171 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

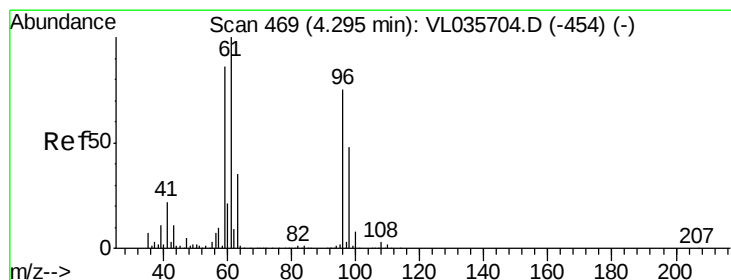
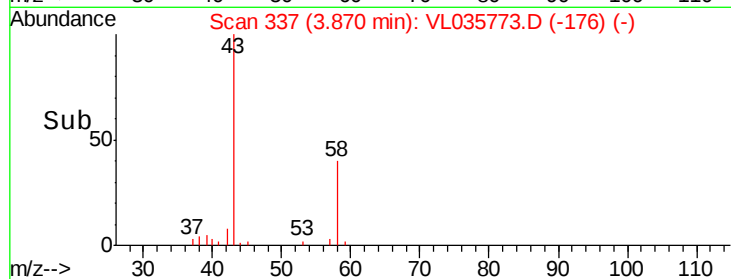
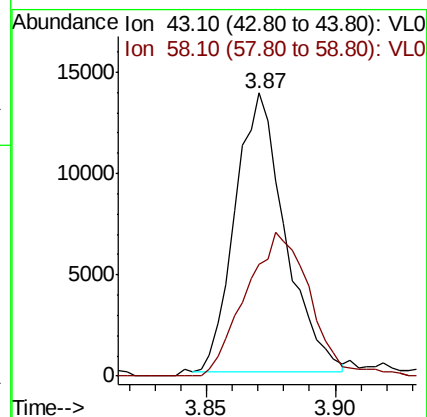
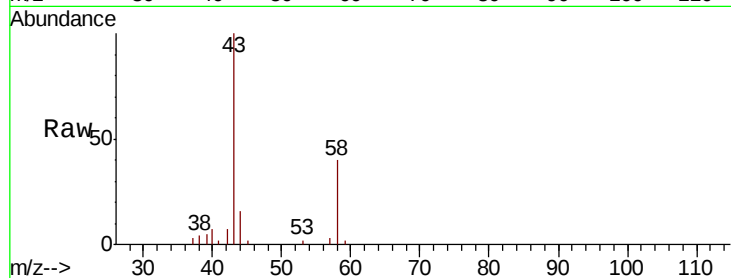
LOQ-AIR-01-QT4-2020

Tot Ion: 43 Resp: 18646

Ion Ratio Lower Upper

43 100

58 66.6 27.3 40.9#



#18

1,1-Dichloroethene

Concen: 0.047 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

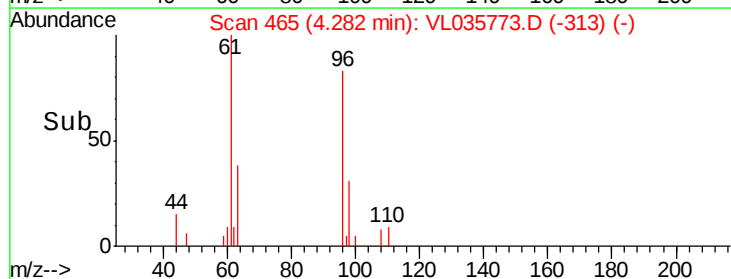
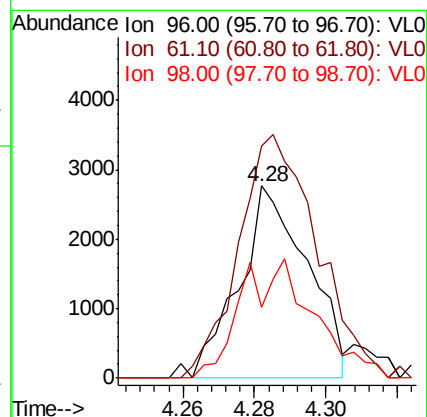
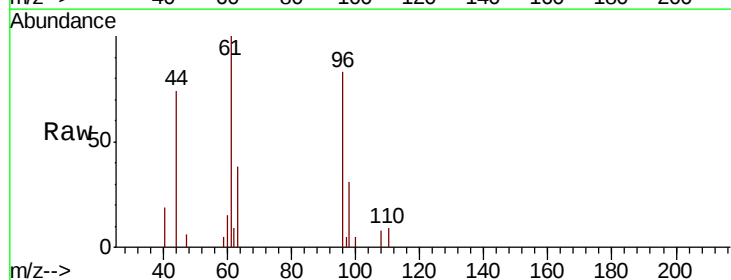
Tgt Ion: 96 Resp: 3654

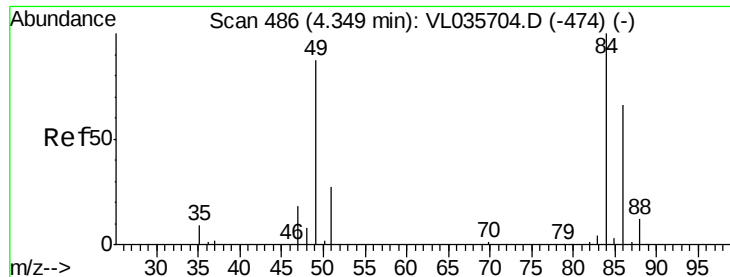
Ion Ratio Lower Upper

96 100

61 115.2 106.7 160.1

98 37.1 50.8 76.2#

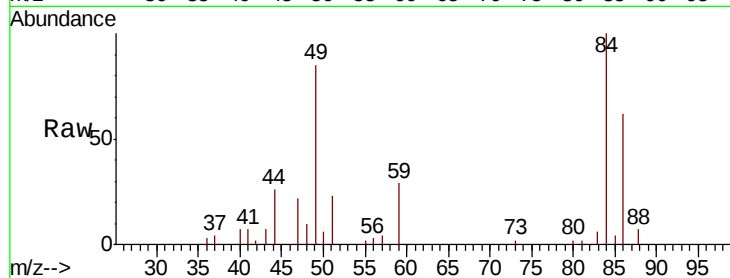




#20
Methylene Chloride
Concen: 0.199 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

Tot Ion:	84	Resp:	15919
Ion	Ratio	Lower	Upper
84	100		
49	84.8	69.8	104.6
51	23.3	21.8	32.8
86	61.9	52.6	78.8



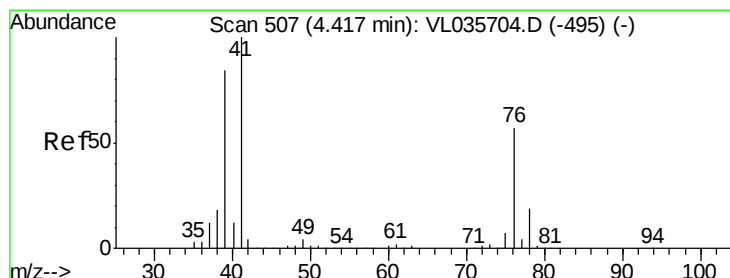
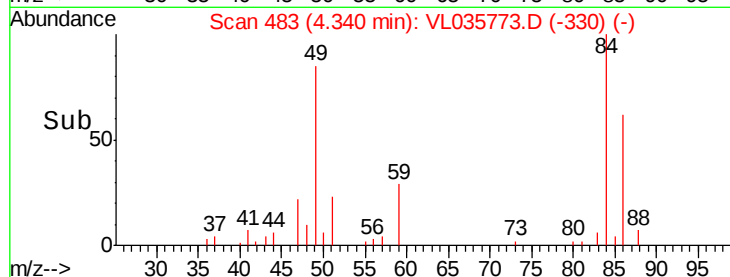
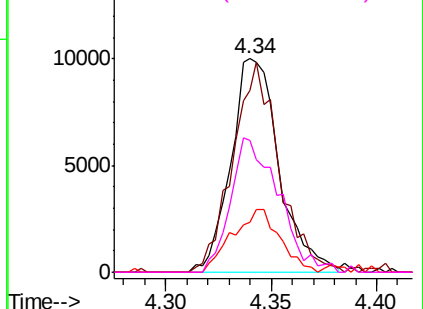
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

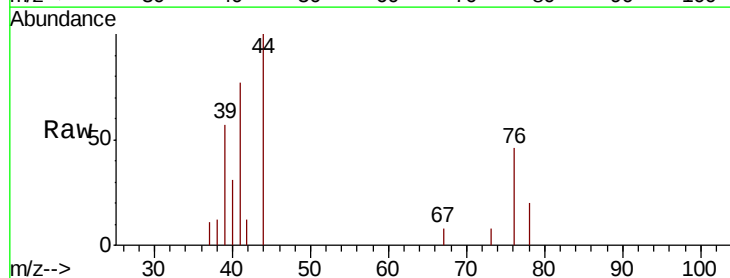
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.044 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.01 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

Tgt Ion:	41	Resp:	2331
Ion	Ratio	Lower	Upper
41	100		
76	57.1	44.8	67.2
39	98.2	68.4	102.6

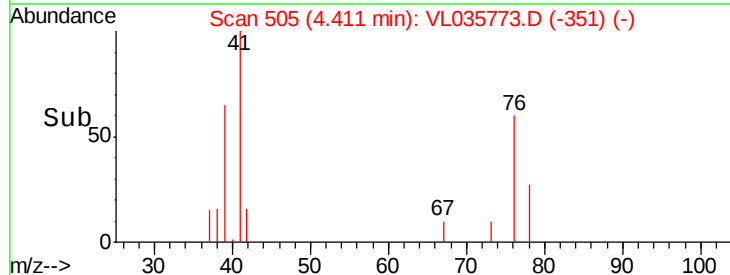
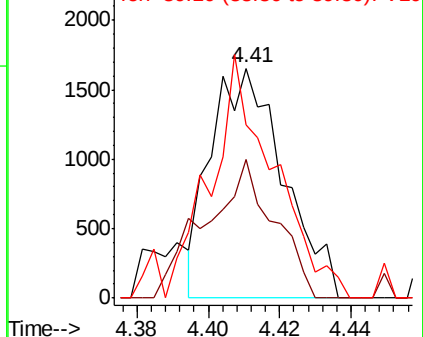


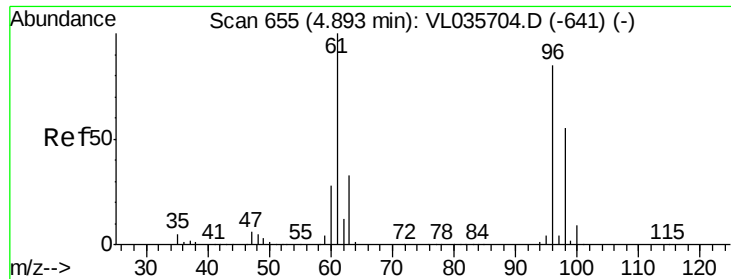
Abundance

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: 0.048 ppbv

RT: 4.89 min Scan# 653

Delta R.T. -0.01 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

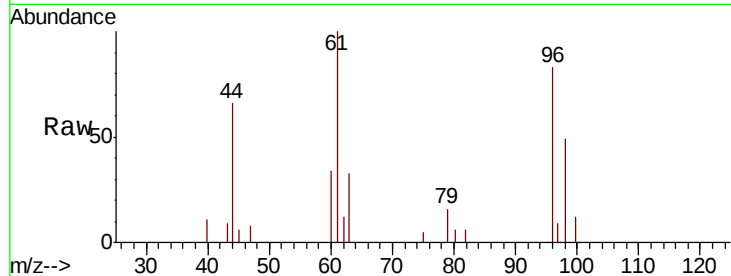
Tot Ion: 96 Resp: 3919

Ion Ratio Lower Upper

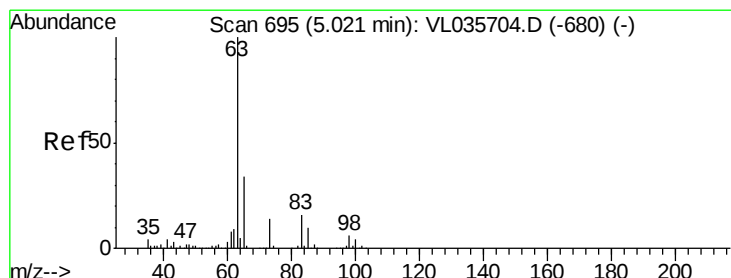
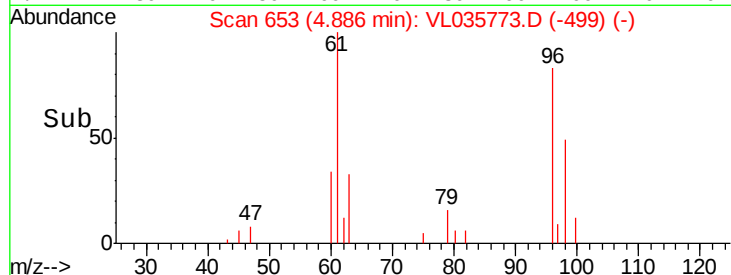
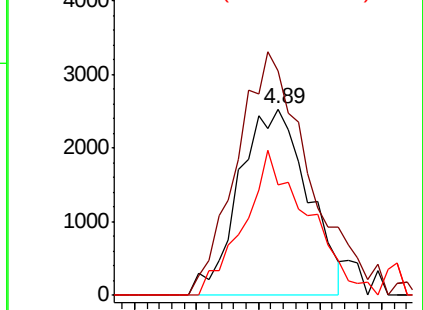
96 100

61 120.5 93.7 140.5

98 59.2 51.2 76.8



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: 0.052 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.02 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

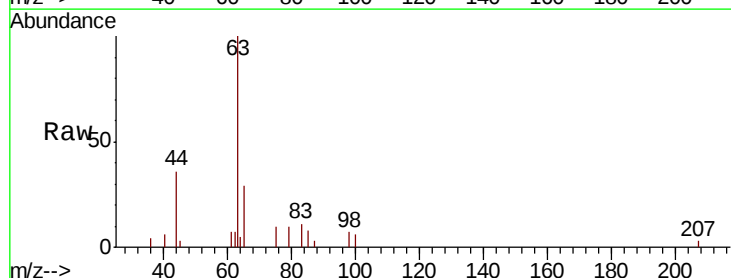
Tgt Ion: 63 Resp: 7629

Ion Ratio Lower Upper

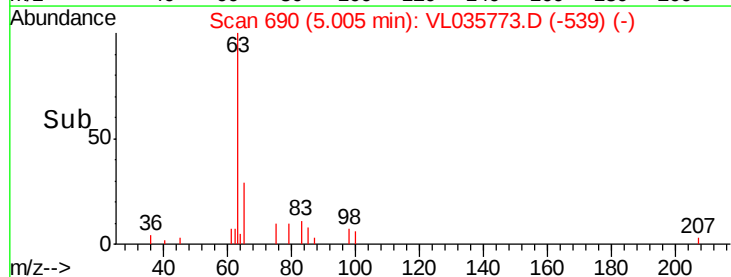
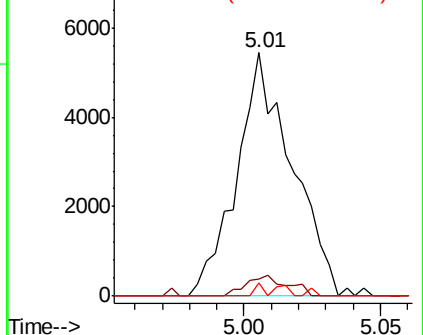
63 100

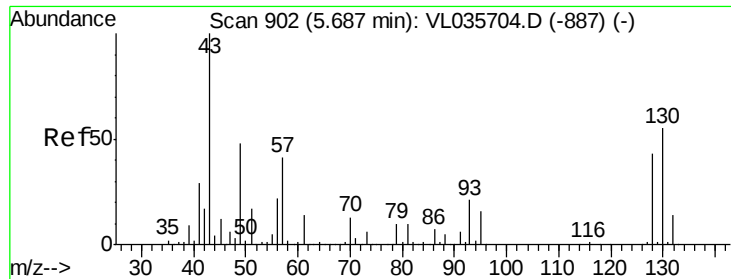
98 7.1 3.3 9.8

100 5.6 2.0 5.8



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

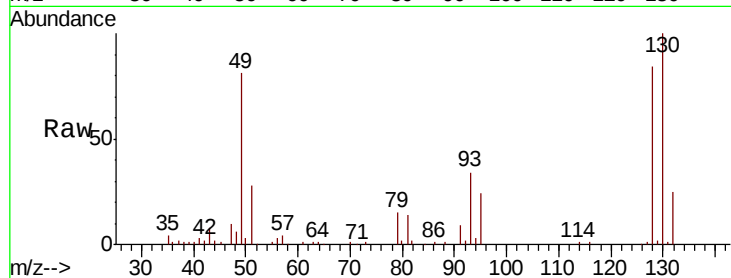




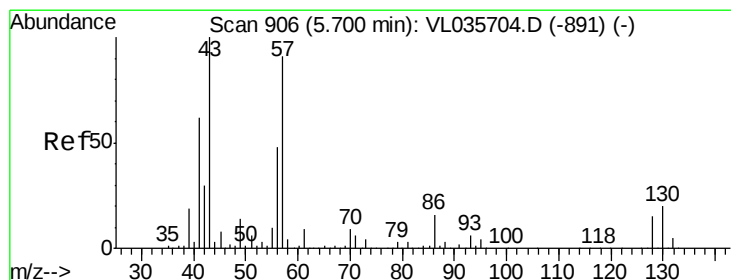
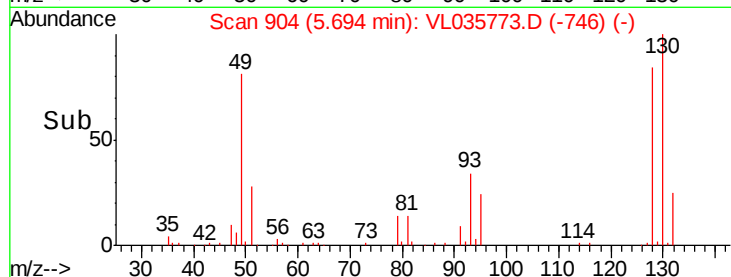
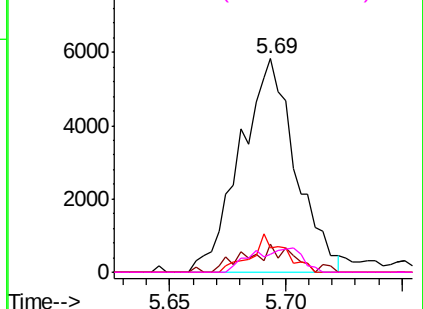
#25
Ethyl Acetate
Concen: 0.049 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

Tot Ion: 43 Resp: 9680
Ion Ratio Lower Upper
43 100
45 11.8 8.6 12.8
61 10.8 10.4 15.6
70 10.3 8.9 13.3

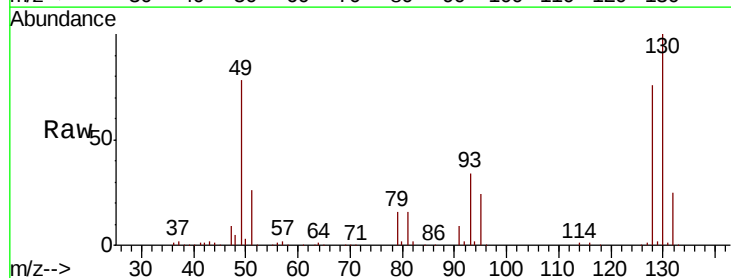


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

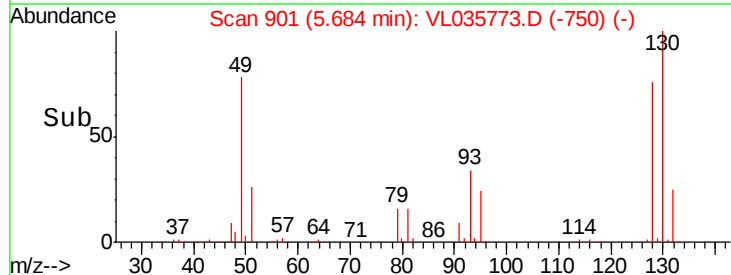
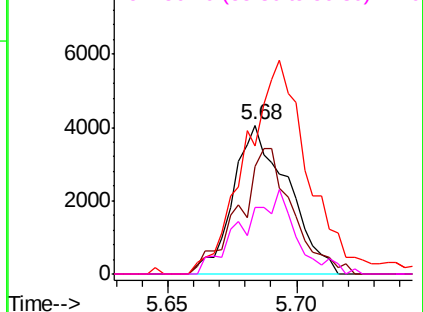


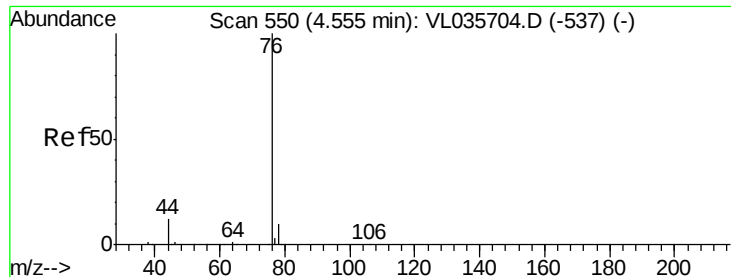
#26
Hexane
Concen: 0.056 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

Tgt Ion: 57 Resp: 6035
Ion Ratio Lower Upper
57 100
41 82.6 57.9 86.9
43 174.1 143.8 215.6
56 55.7 43.0 64.6



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: 0.042 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

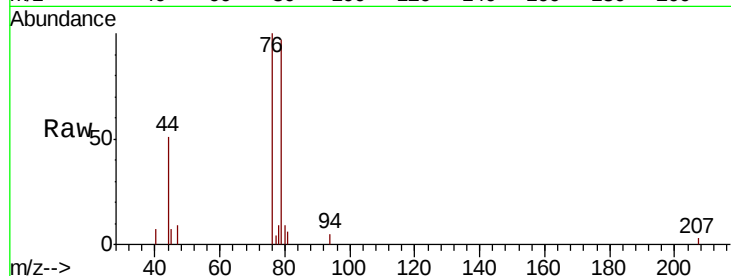
Tot Ion: 76 Resp: 6702

Ion Ratio Lower Upper

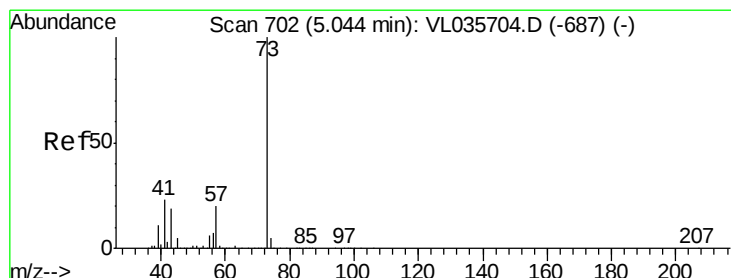
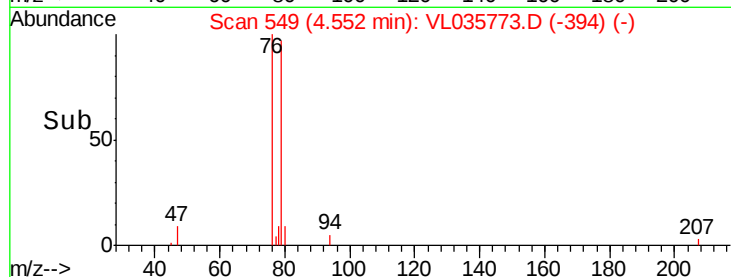
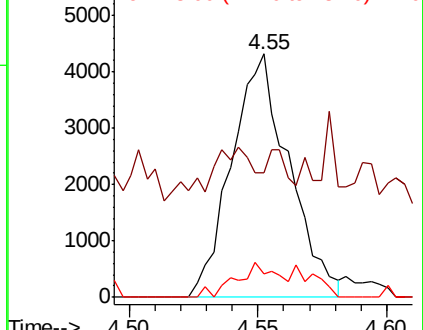
76 100

44 26.0 9.7 14.5#

78 15.3 7.8 11.8#



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



#28

Methyl tert-Butyl Ether

Concen: 0.048 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.02 min

Lab File: VL035773.D

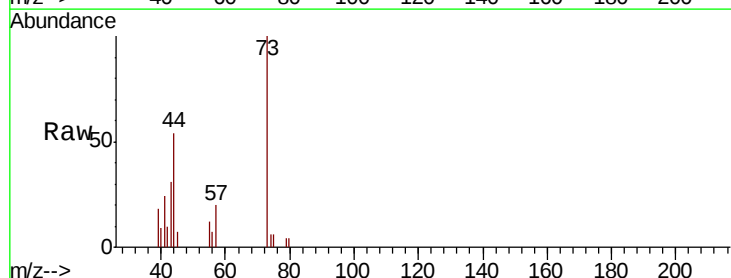
Acq: 12 Oct 2020 22:24

Tgt Ion: 73 Resp: 8105

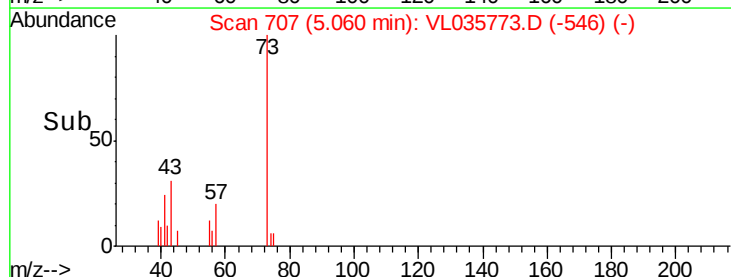
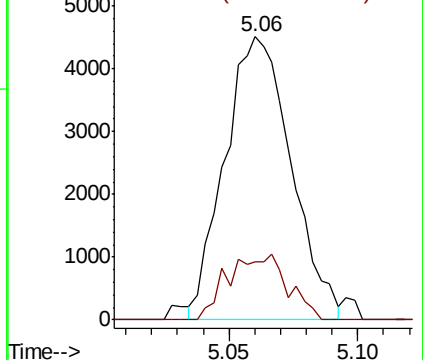
Ion Ratio Lower Upper

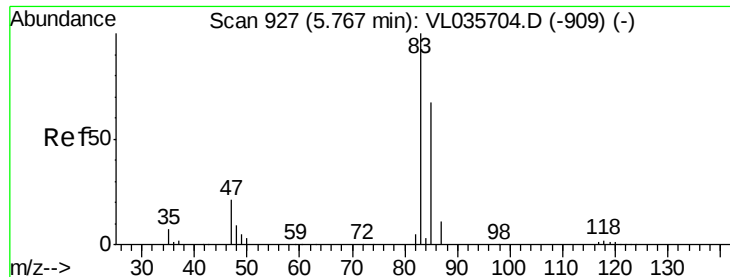
73 100

57 20.9 15.6 23.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

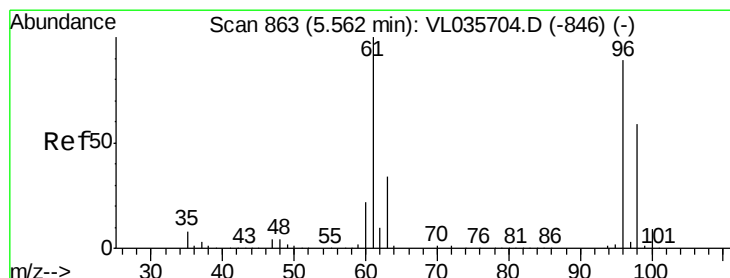
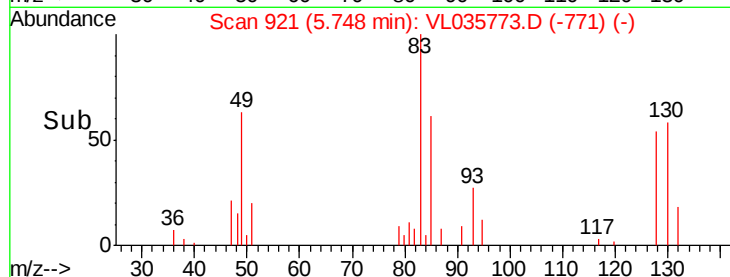
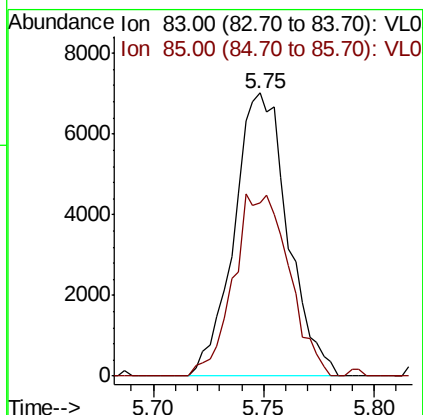
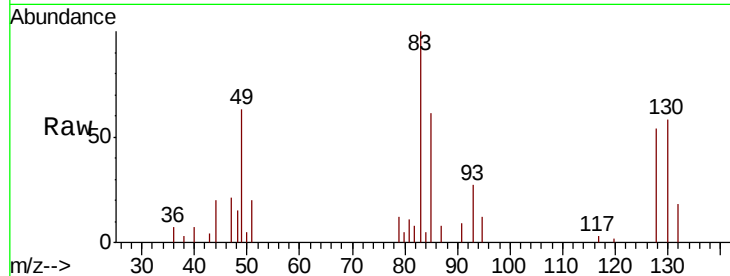




#29
Chloroform
Concen: 0.054 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.02 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

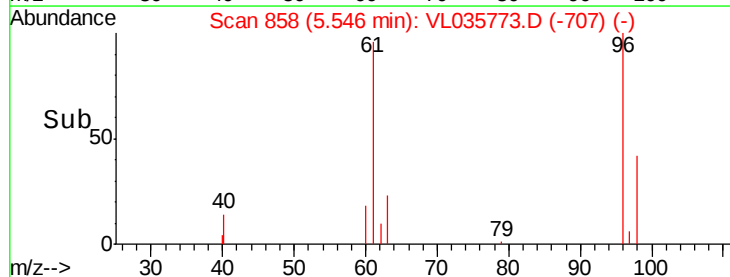
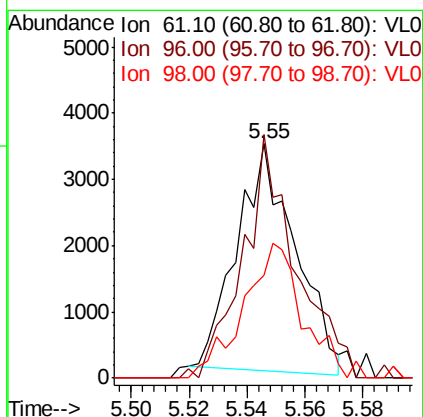
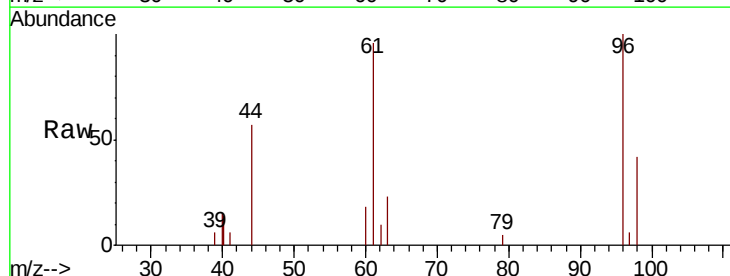
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

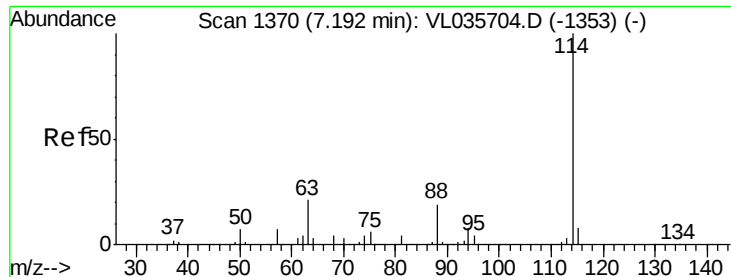
Tot Ion: 83 Resp: 11853
Ion Ratio Lower Upper
83 100
85 61.3 54.0 81.0



#31
cis-1,2-Dichloroethene
Concen: 0.046 ppbv
RT: 5.55 min Scan# 858
Delta R.T. -0.02 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

Tgt Ion: 61 Resp: 4819
Ion Ratio Lower Upper
61 100
96 105.1 71.4 107.2
98 46.3 47.4 71.2#

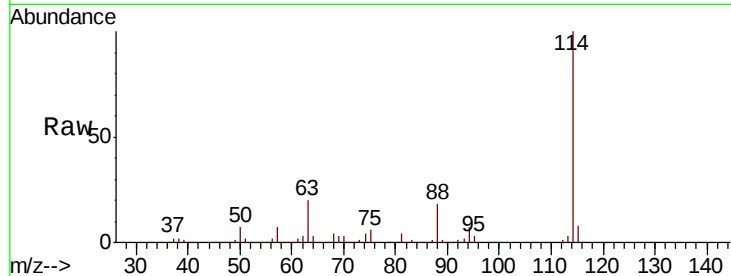




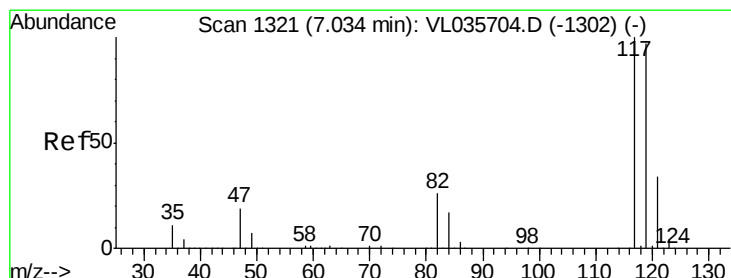
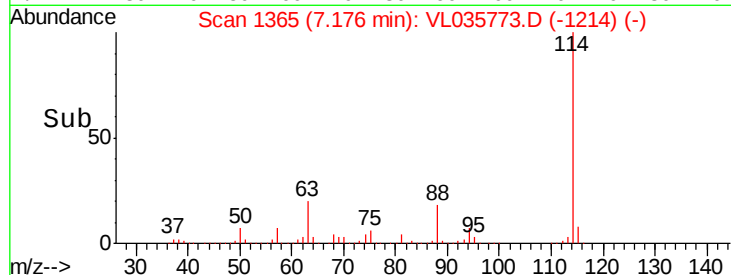
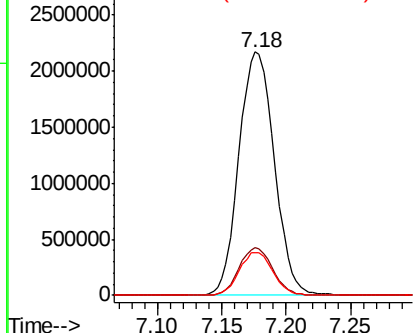
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Tot Ion:114 Resp: 4158403
 Ion Ratio Lower Upper
 114 100
 63 18.8 16.1 24.1
 88 17.0 14.1 21.1

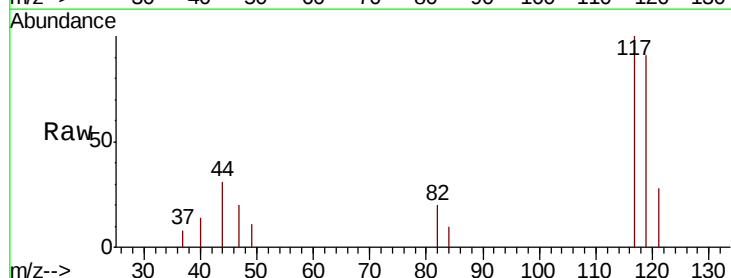


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

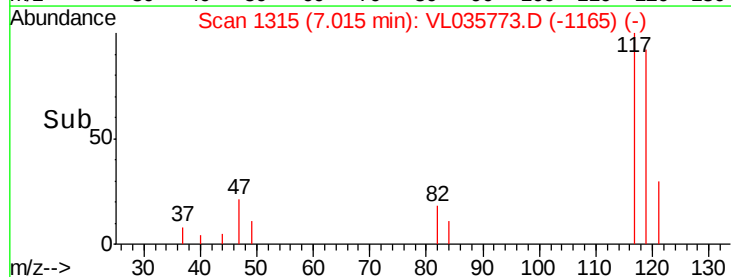
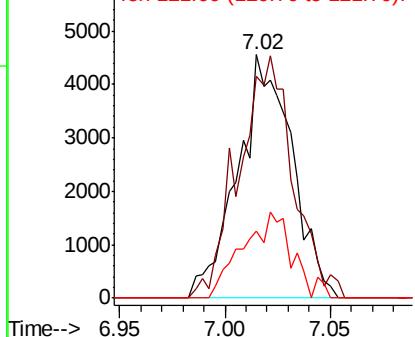


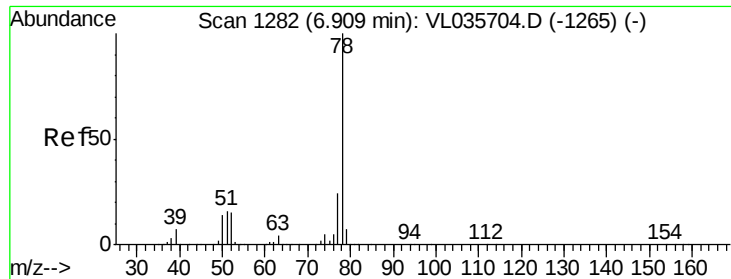
#35
 Carbon Tetrachloride
 Concen: 0.037 ppbv
 RT: 7.02 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

Tgt Ion:117 Resp: 8128
 Ion Ratio Lower Upper
 117 100
 119 91.3 77.7 116.5
 121 27.7 26.9 40.3



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: 0.043 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

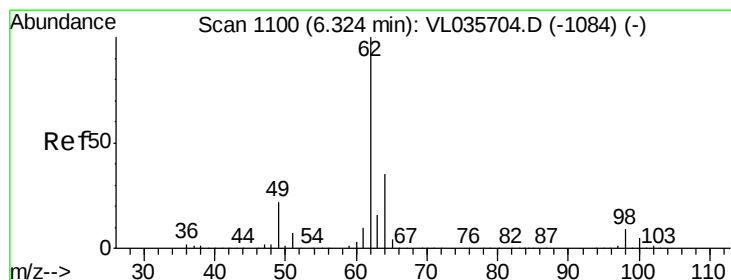
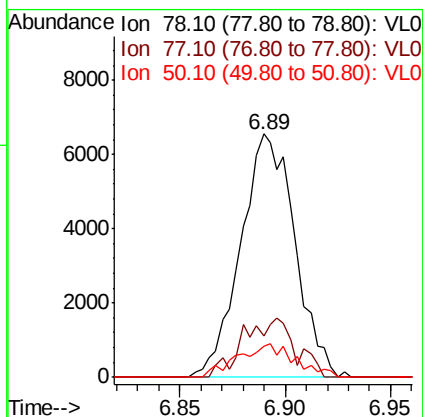
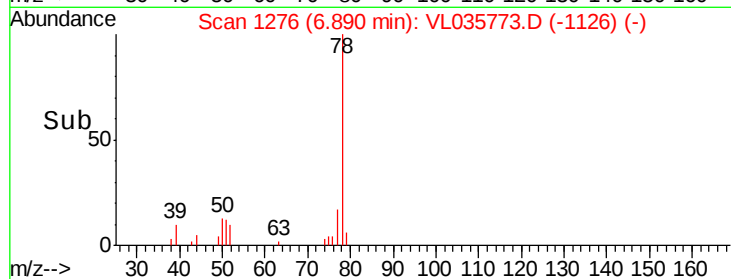
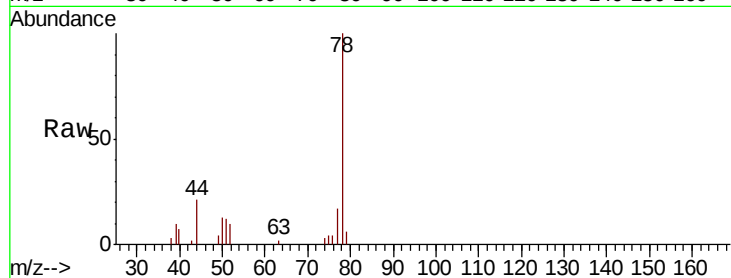
MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion: 78 Resp: 11655

Ion	Ratio	Lower	Upper
78	100		
77	16.9	19.3	28.9#
50	12.5	11.6	17.4



#37

1,2-Dichloroethane

Concen: 0.049 ppbv

RT: 6.31 min Scan# 1095

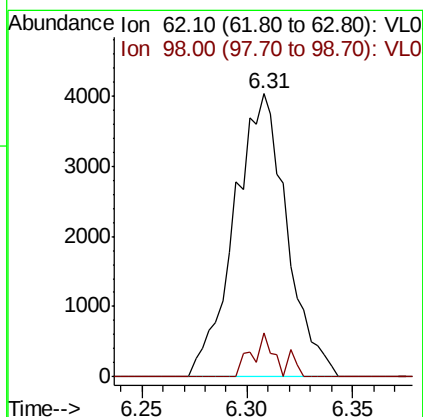
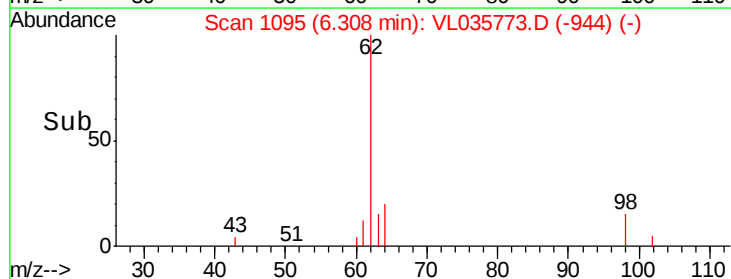
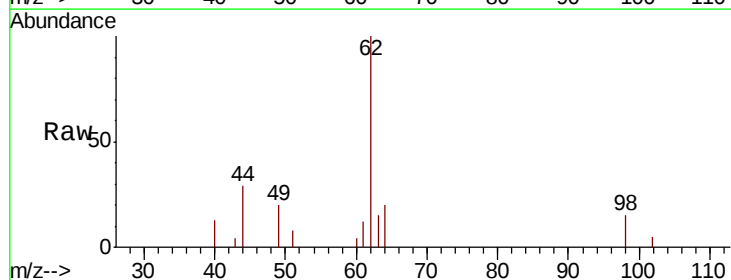
Delta R.T. -0.02 min

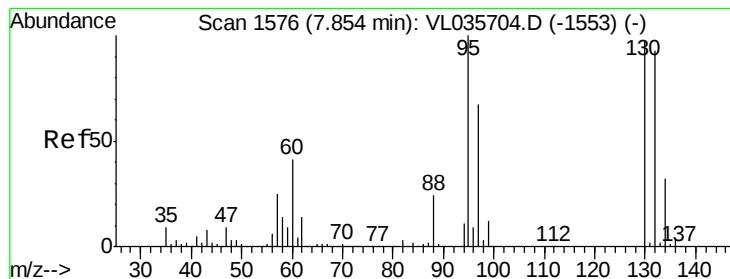
Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Tgt Ion: 62 Resp: 6973

Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.9	10.3





#38

Trichloroethene

Concen: 0.046 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion:130 Resp: 6280

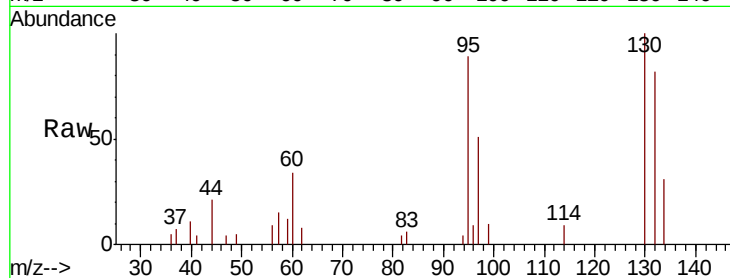
Ion Ratio Lower Upper

130 100

95 88.7 82.4 123.6

132 77.8 76.8 115.2

97 51.3 55.4 83.2#

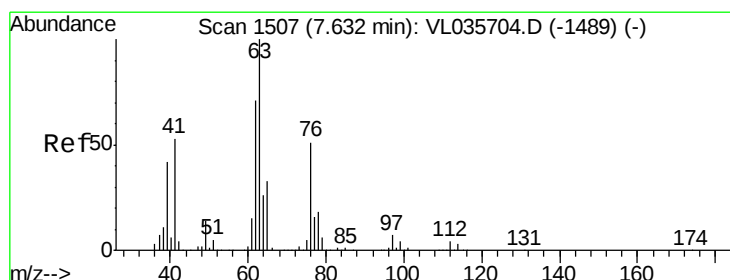
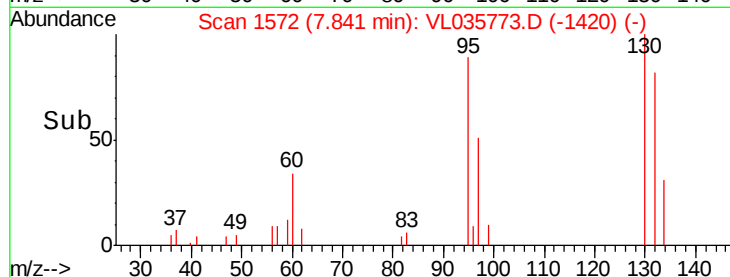
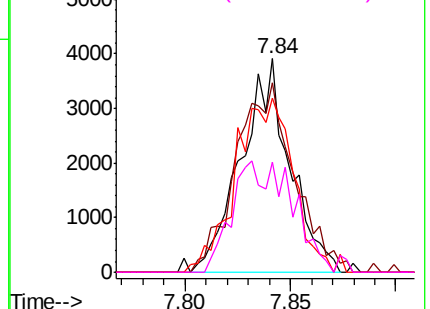


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.918 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.46 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

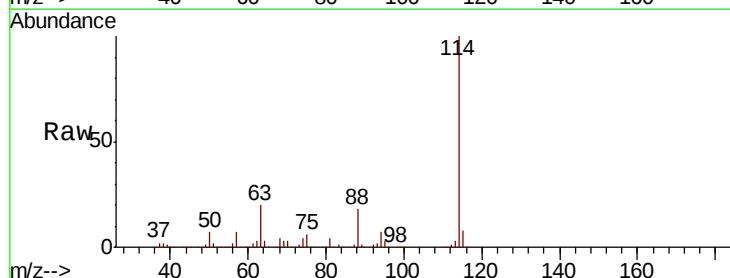
Tgt Ion: 63 Resp: 777619

Ion Ratio Lower Upper

63 100

41 0.0 42.6 63.8#

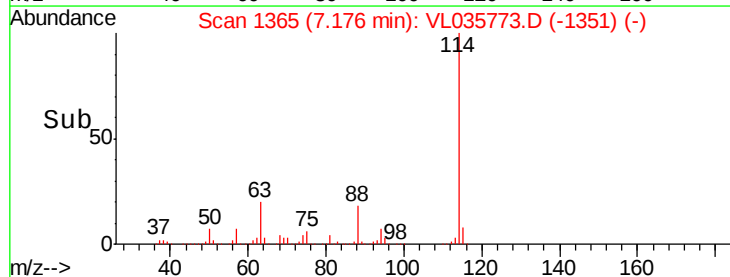
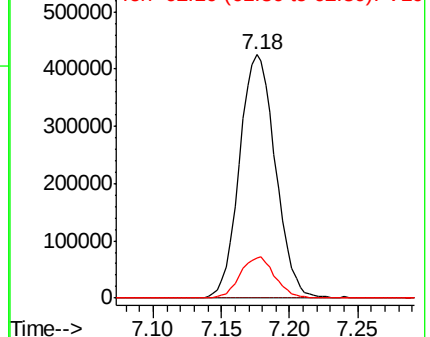
62 16.5 56.5 84.7#

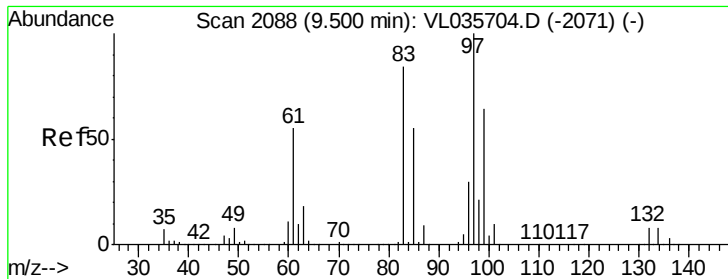


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

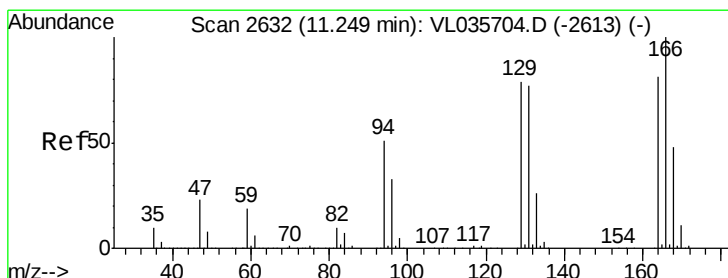
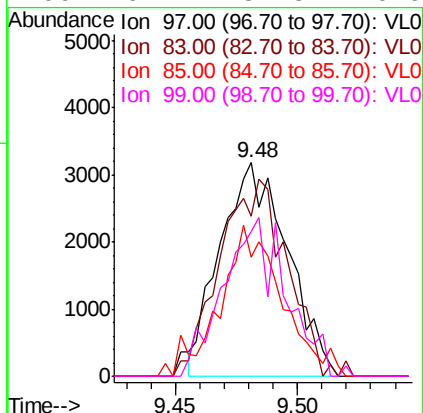
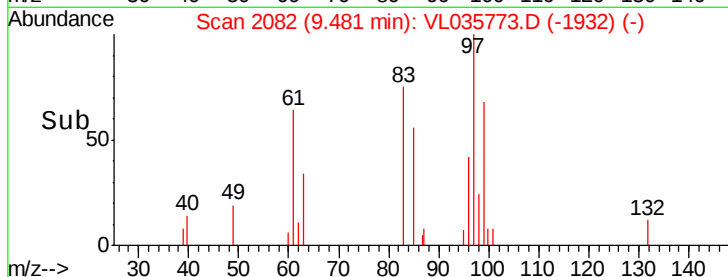
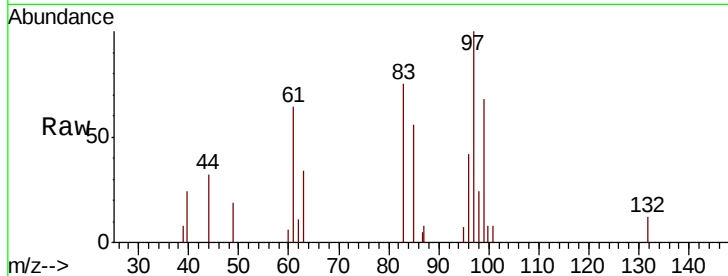




#47
 1,1,2-Trichloroethane
 Concen: 0.043 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

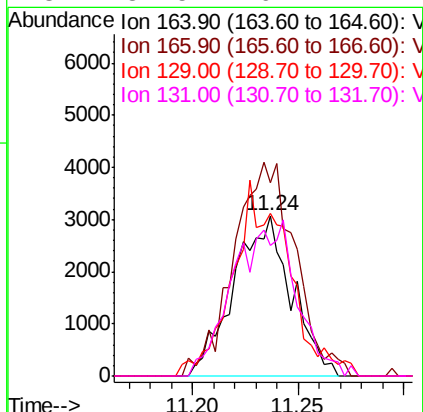
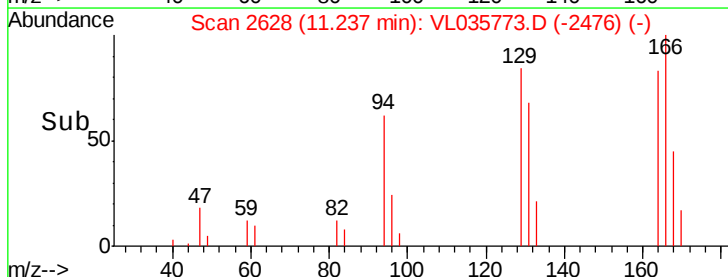
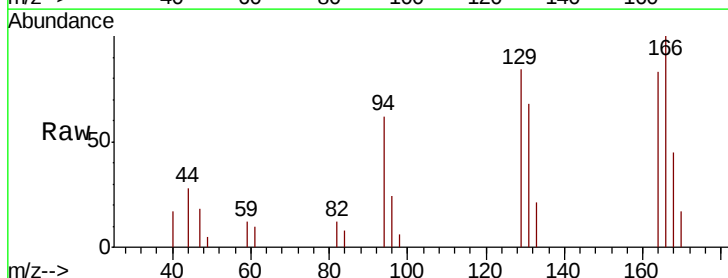
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

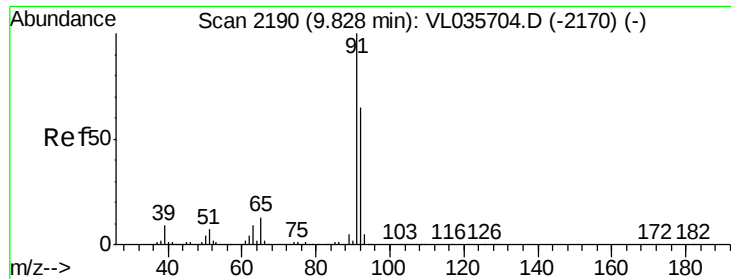
Tot Ion:	97	Resp:	6091
Ion	Ratio	Lower	Upper
97	100		
83	74.8	67.1	100.7
85	50.8	43.9	65.9
99	67.7	51.3	76.9



#52
 Tetrachloroethene
 Concen: 0.045 ppbv
 RT: 11.24 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

Tgt Ion:	164	Resp:	5830
Ion	Ratio	Lower	Upper
164	100		
166	110.5	98.7	148.1
129	93.8	78.4	117.6
131	81.5	76.2	114.2





#53

Toluene

Concen: 0.033 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

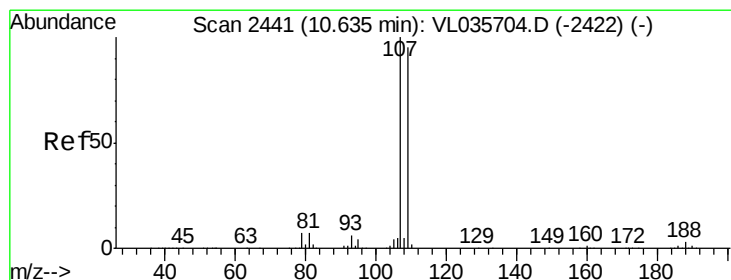
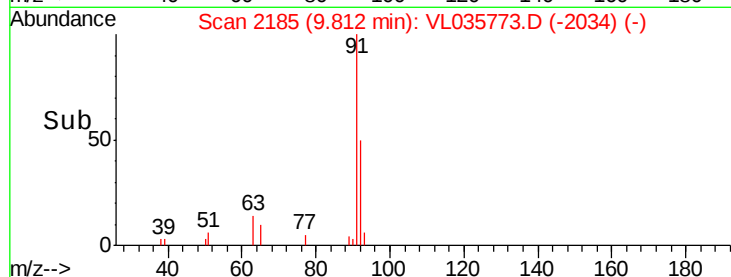
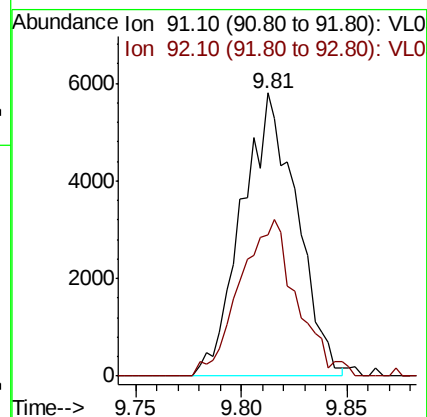
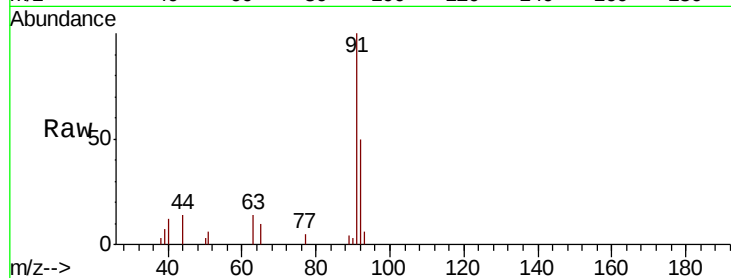
LOQ-AIR-01-QT4-2020

Tot Ion: 91 Resp: 10530

Ion Ratio Lower Upper

91 100

92 57.3 50.0 75.0



#54

1,2-Dibromoethane

Concen: 0.043 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.02 min

Lab File: VL035773.D

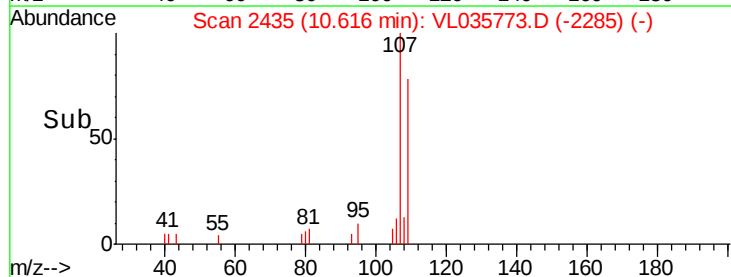
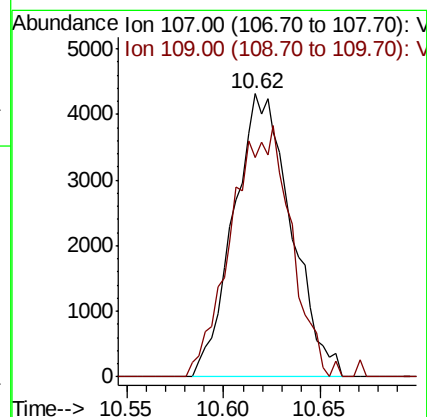
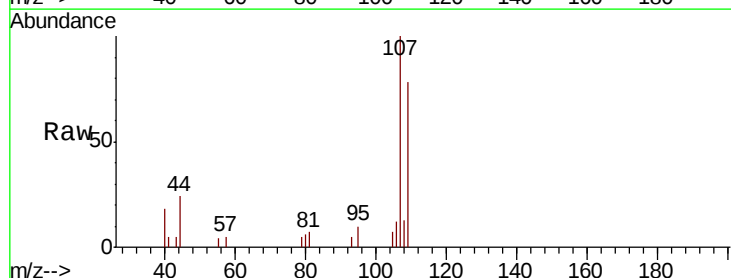
Acq: 12 Oct 2020 22:24

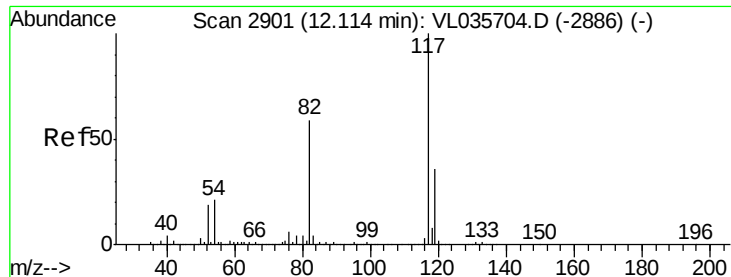
Tgt Ion: 107 Resp: 8962

Ion Ratio Lower Upper

107 100

109 77.5 76.0 114.0

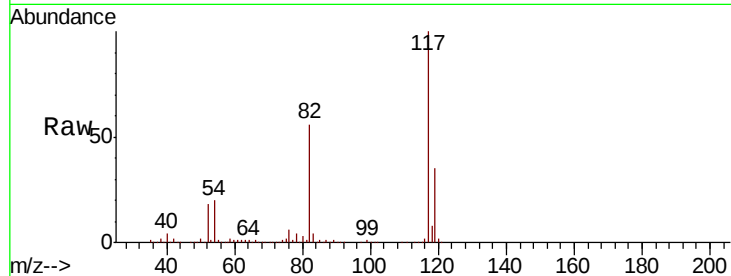




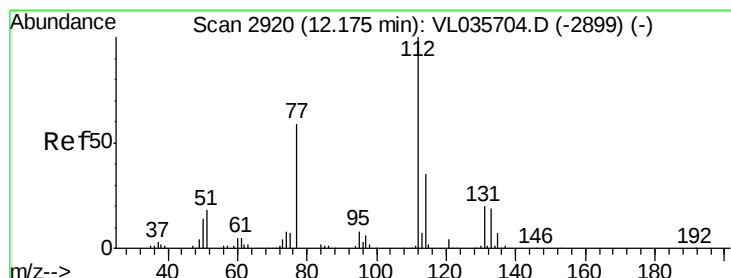
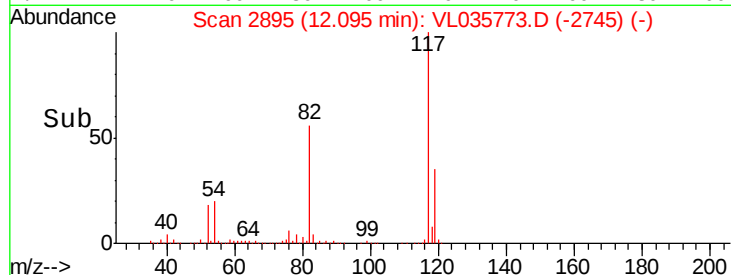
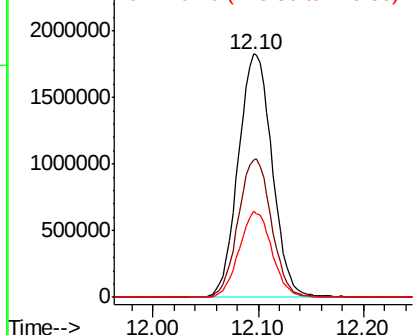
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

Tot Ion:117 Resp: 4081162
Ion Ratio Lower Upper
117 100
82 56.1 46.1 69.1
119 34.3 28.0 42.0

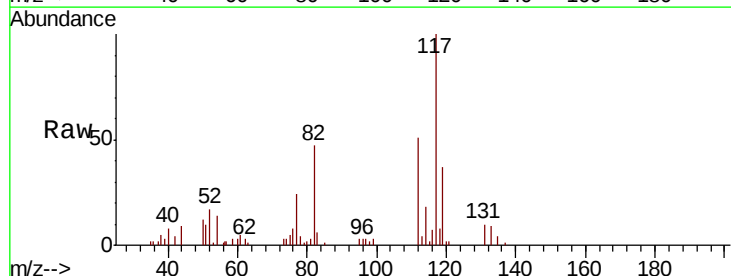


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

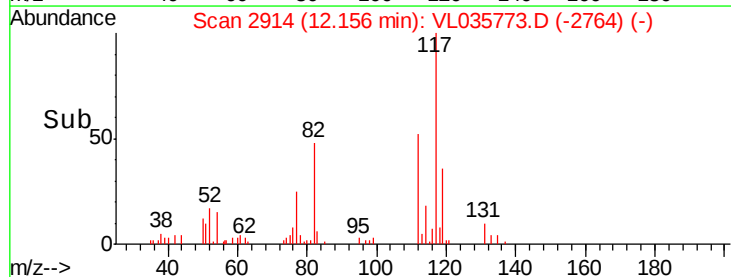
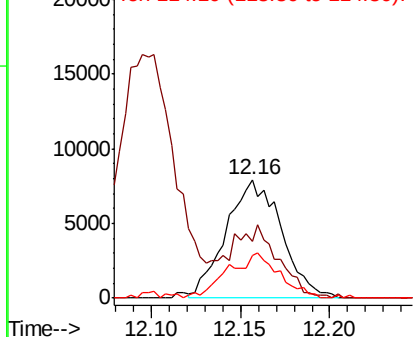


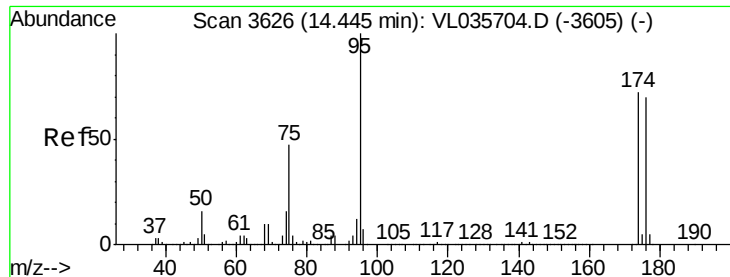
#57
Chlorobenzene
Concen: 0.056 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

Tgt Ion:112 Resp: 17139
Ion Ratio Lower Upper
112 100
77 44.2 48.2 72.2#
114 33.5 31.9 39.1



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

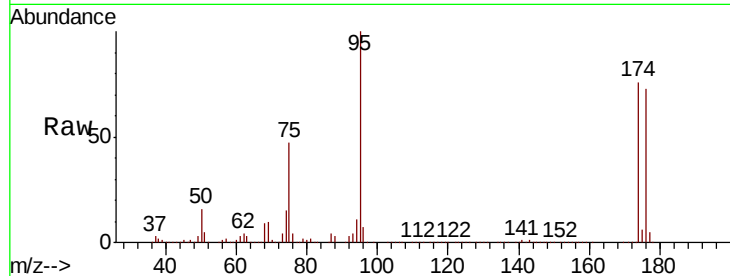




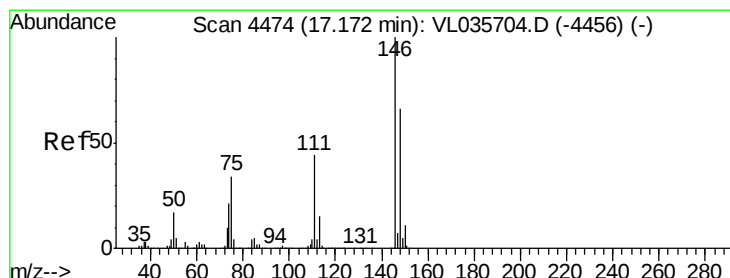
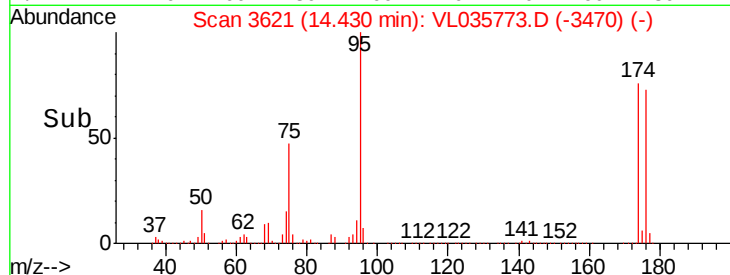
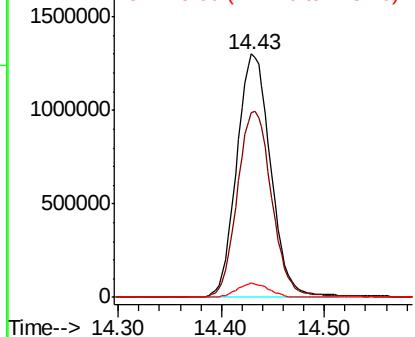
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.745 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Tot Ion: 95 Resp: 2980054
 Ion Ratio Lower Upper
 95 100
 174 78.4 59.6 89.4
 175 5.6 4.2 6.4

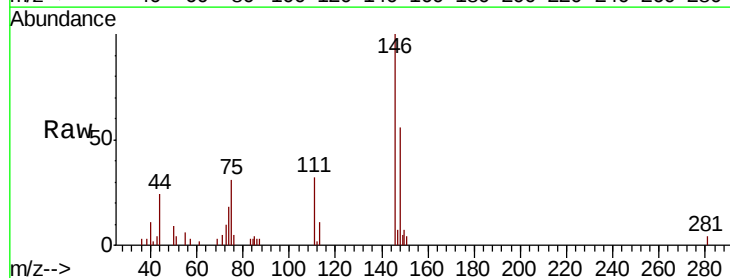


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

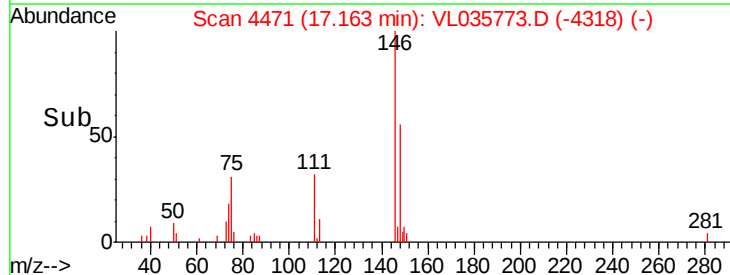
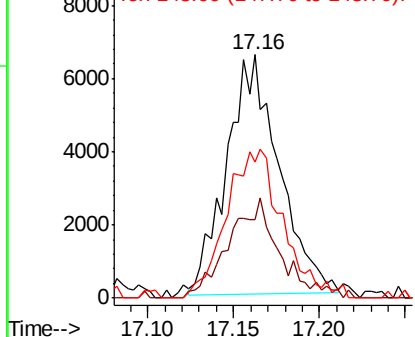


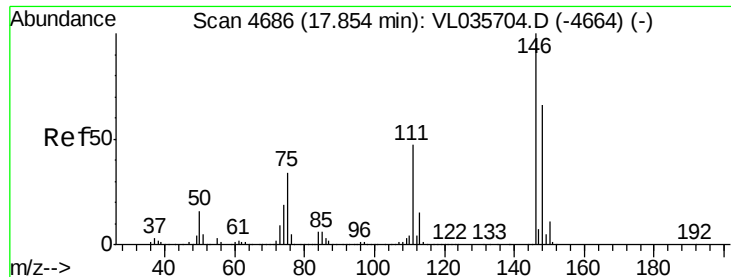
#76
 1,4-Dichlorobenzene
 Concen: 0.047 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

Tgt Ion: 146 Resp: 13937
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.4 64.3
 148 66.7 32.6 98.0



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





#77

1,2-Dichlorobenzene

Concen: 0.045 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. -0.01 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion:146 Resp: 13184

Ion Ratio Lower Upper

146 100

111 45.9 22.9 68.5

148 68.8 32.6 98.0

