

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
 Data File : VL032217.D
 Acq On : 6 Jul 2018 00:00
 Operator : SY/AP
 Sample : J3762-14 0.6 PPB LOQ
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2018

Quant Time: Jul 06 04:31:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

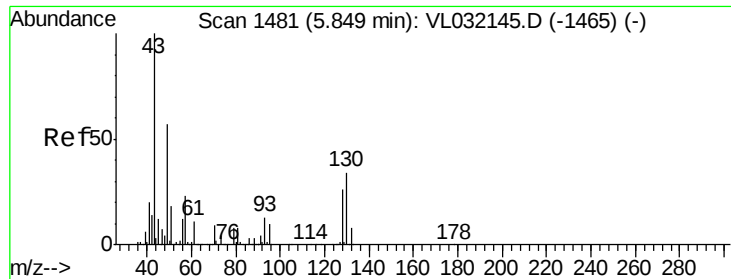
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1444217	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3537284	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3808695	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2933757	10.08	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	18990	0.100	ppbv	91
3) Chlorodifluoromethane	3.07	51	12524	0.071	ppbv #	83
4) Chloromethane	3.23	50	4090	0.043	ppbv	95
5) Vinyl Chloride	3.35	62	5341	0.056	ppbv	92
7) Chloroethane	3.66	64	1927	0.057	ppbv #	87
8) Dichlorotetrafluoroethane	3.28	85	17098	0.081	ppbv	96
9) Propene	3.09	41	4803	0.058	ppbv	99
11) Trichlorofluoromethane	4.07	101	14513	0.071	ppbv #	82
12) 1,1,2-Trichlorotrifluoroet	4.62	101	9737	0.071	ppbv	89
15) Acetone	3.99	43	23043	0.136	ppbv	93
16) 1,3-Butadiene	3.42	39	3792	0.047	ppbv #	57
18) 1,1-Dichloroethene	4.42	96	4477	0.068	ppbv	86
20) Methylene Chloride	4.47	84	2017	0.033	ppbv #	73
21) Allyl Chloride	4.55	41	4420	0.038	ppbv #	25
24) 1,1-Dichloroethane	5.16	63	8975	0.046	ppbv	97
26) Hexane	5.86	57	8999	0.056	ppbv #	1
27) Carbon Disulfide	4.69	76	4862	0.030	ppbv #	13
31) cis-1,2-Dichloroethene	5.72	61	6196	0.039	ppbv #	42
32) 1,1,1-Trichloroethane	6.70	97	8231	0.034	ppbv #	1
35) Carbon Tetrachloride	7.22	117	7401	0.031	ppbv #	54
36) Benzene	7.10	78	16559	0.048	ppbv #	86
37) 1,2-Dichloroethane	6.50	62	7387	0.043	ppbv #	70
38) Trichloroethene	8.04	130	5538	0.041	ppbv #	65
39) 1,2-Dichloropropane	7.38	63	982031	7.273	ppbv #	26
44) 2,2,4-Trimethylpentane	8.08	57	18219	0.030	ppbv #	39
46) cis-1,3-Dichloropropene	8.93	75	7179	0.034	ppbv	97
54) 1,2-Dibromoethane	10.86	107	6595	0.031	ppbv	94
57) Chlorobenzene	12.40	112	27337	0.083	ppbv	94
58) Ethyl Benzene	12.96	91	20968	0.034	ppbv	89
60) o-Xylene	13.94	91	16787	0.034	ppbv #	62
63) 1,1,2,2-Tetrachloroethane	13.93	83	22385	0.059	ppbv #	69
64) n-propylbenzene	15.82	120	8307	0.043	ppbv #	44
69) p-Isopropyltoluene	17.91	119	23600	0.030	ppbv #	66

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

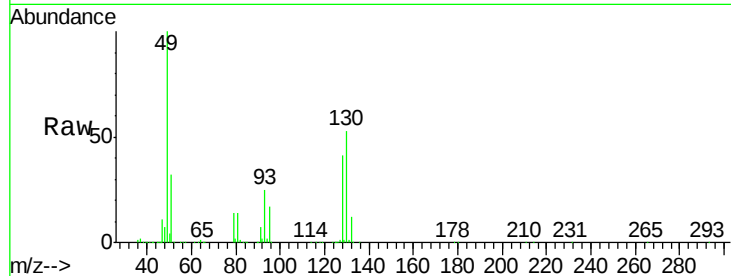
MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2018

Tgt Ion: 49 Resp: 1444217

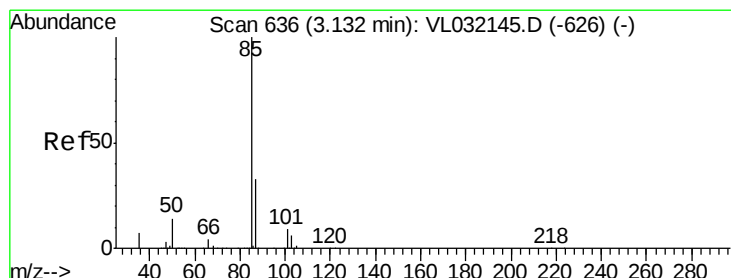
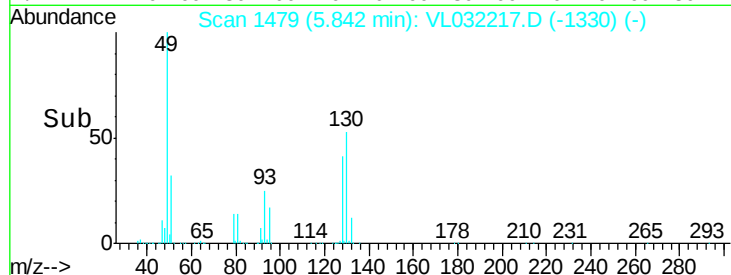
Ion	Ratio	Lower	Upper
49	100		
128	43.0	23.4	70.0
130	54.7	30.3	90.9



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: 0.100 ppbv

RT: 3.13 min Scan# 636

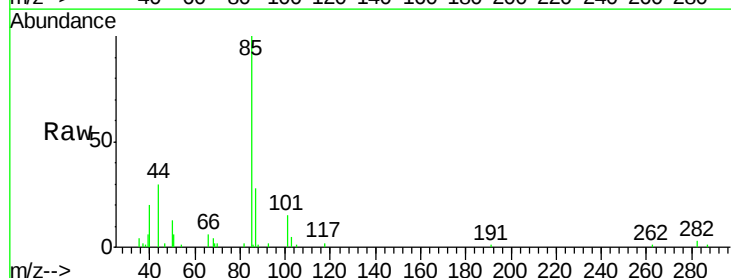
Delta R.T. -0.01 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

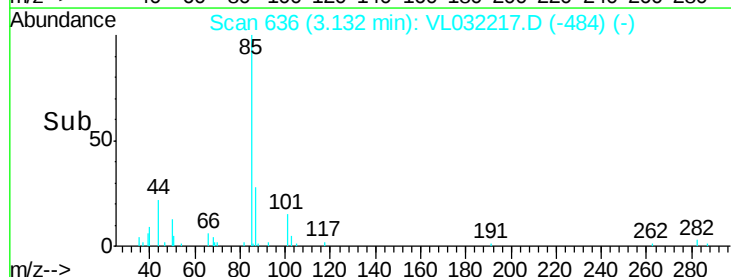
Tgt Ion: 85 Resp: 18990

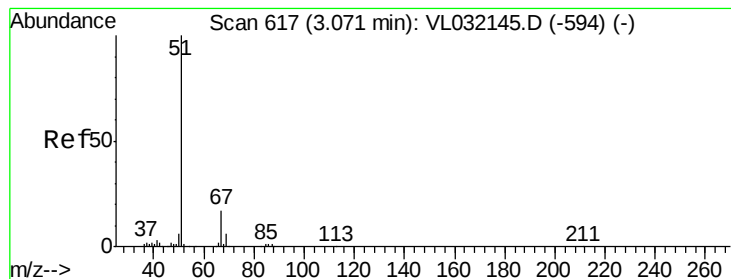
Ion	Ratio	Lower	Upper
85	100		
87	28.1	26.7	40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.071 ppbv

RT: 3.07 min Scan# 618

Delta R.T. -0.00 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

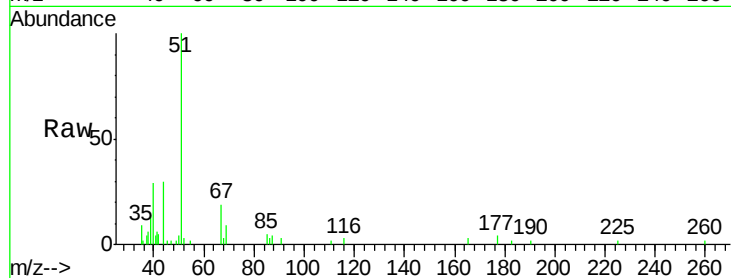
LOQ-AIR-02-QT3-2018

Tgt Ion: 51 Resp: 12524

Ion Ratio Lower Upper

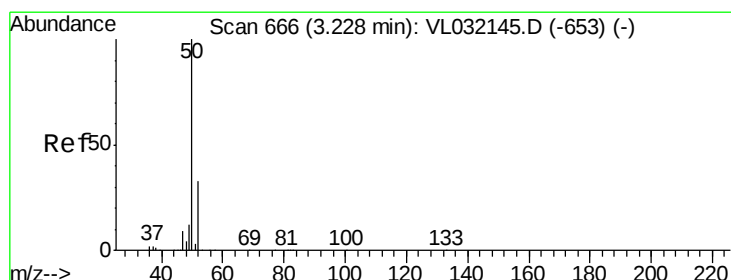
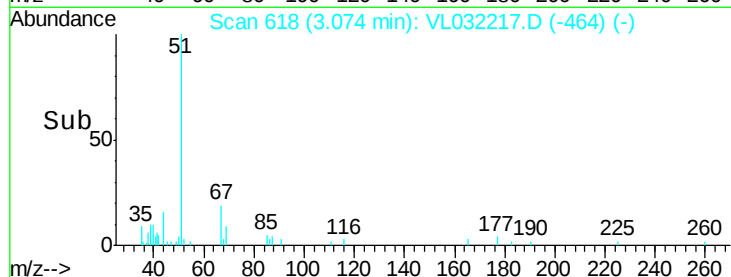
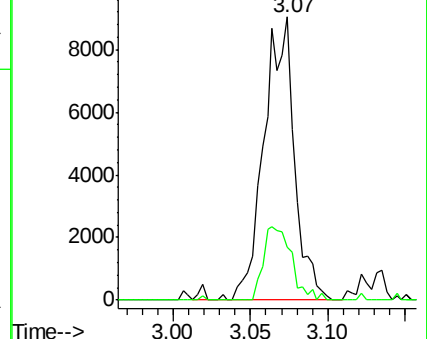
51 100

67 23.9 13.2 19.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.043 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032217.D

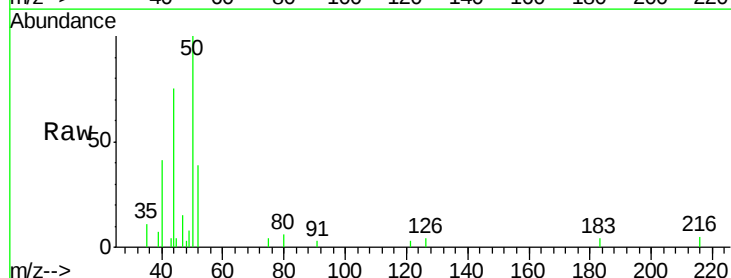
Acq: 6 Jul 2018 00:00

Tgt Ion: 50 Resp: 4090

Ion Ratio Lower Upper

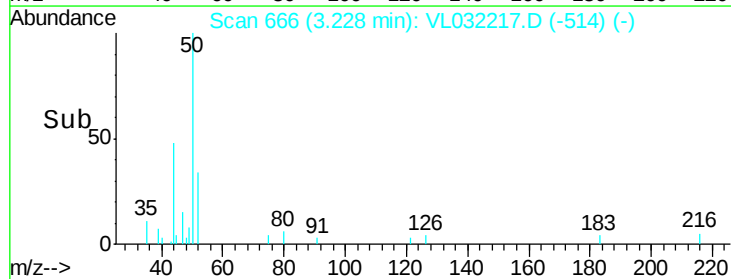
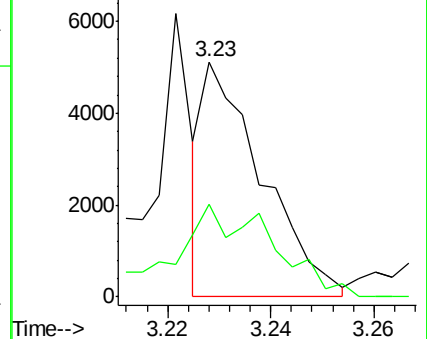
50 100

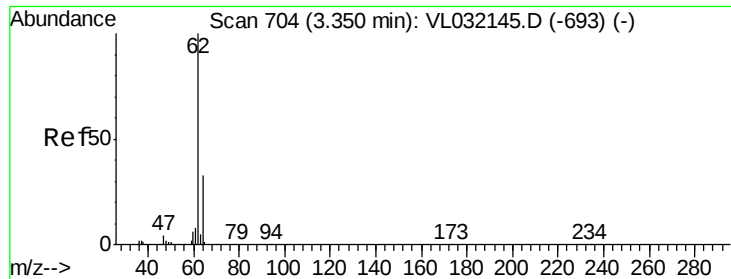
52 35.3 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.056 ppbv

RT: 3.35 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

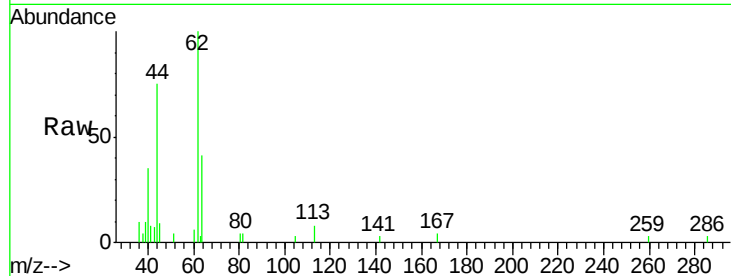
LOQ-AIR-02-QT3-2018

Tgt Ion: 62 Resp: 5341

Ion Ratio Lower Upper

62 100

64 37.0 26.1 39.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.35

6000

5000

4000

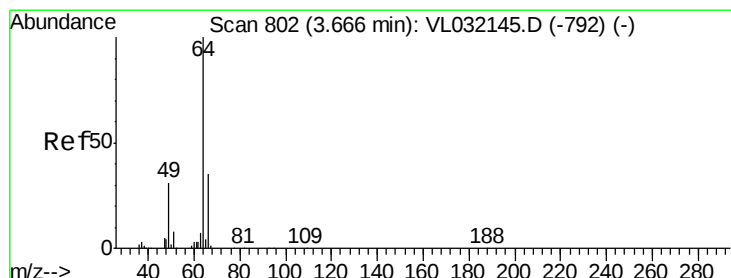
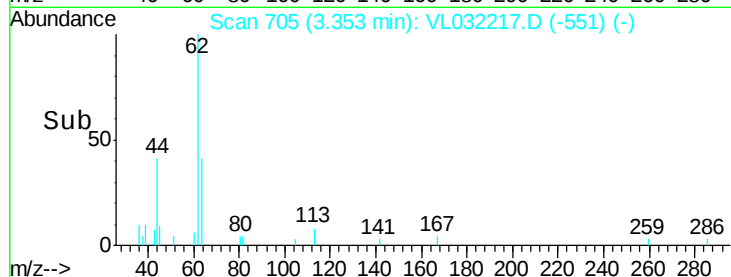
3000

2000

1000

0

Time-->



#7

Chloroethane

Concen: 0.057 ppbv

RT: 3.66 min Scan# 801

Delta R.T. -0.01 min

Lab File: VL032217.D

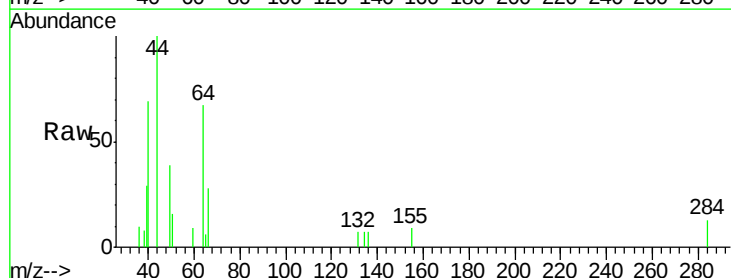
Acq: 6 Jul 2018 00:00

Tgt Ion: 64 Resp: 1927

Ion Ratio Lower Upper

64 100

66 41.1 26.9 40.3#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.66

2000

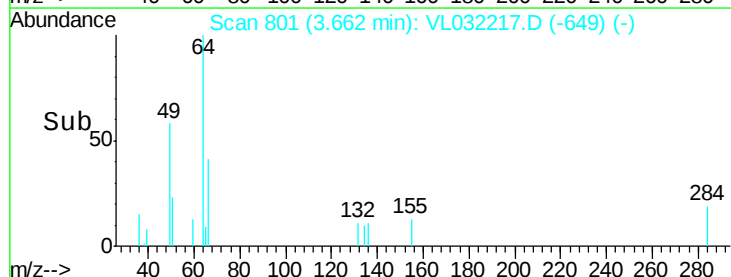
1500

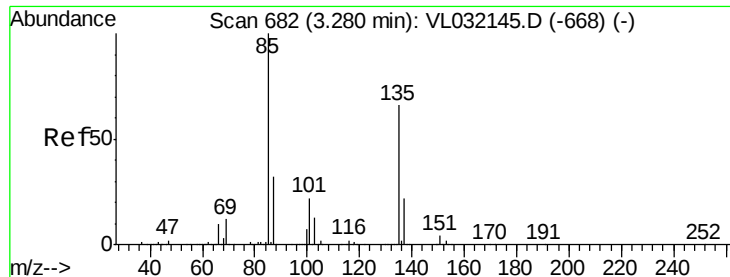
1000

500

0

Time-->





#8

Dichlorotetrafluoroethane

Concen: 0.081 ppbv

RT: 3.28 min Scan# 681

Delta R.T. -0.01 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

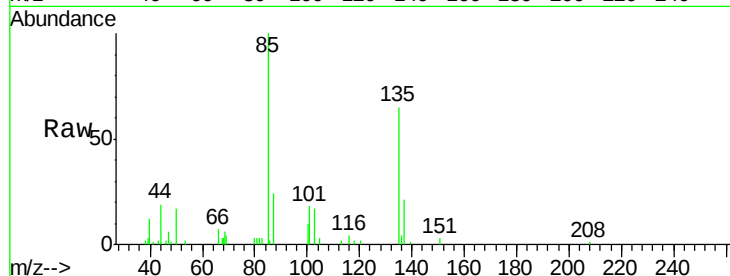
LOQ-AIR-02-QT3-2018

Tgt Ion: 85 Resp: 17098

Ion Ratio Lower Upper

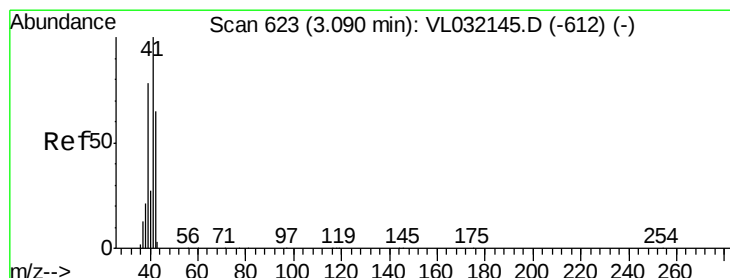
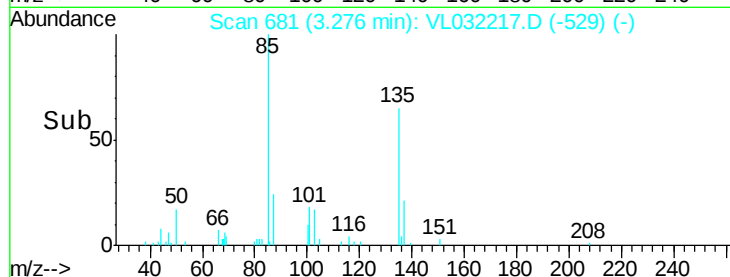
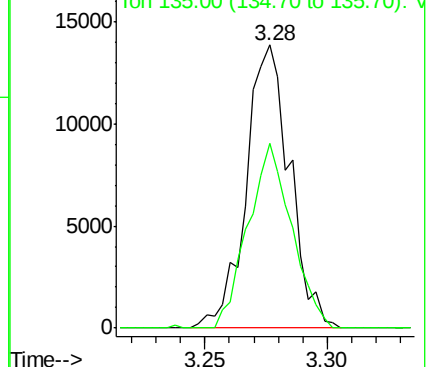
85 100

135 65.3 54.6 82.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 0.058 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032217.D

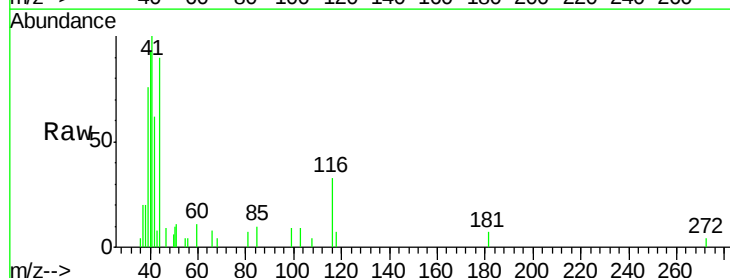
Acq: 6 Jul 2018 00:00

Tgt Ion: 41 Resp: 4803

Ion Ratio Lower Upper

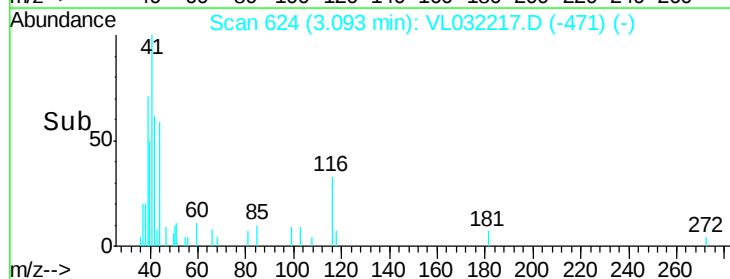
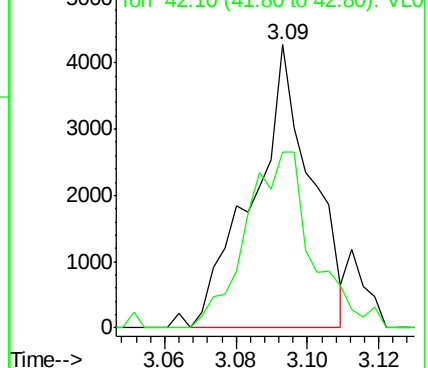
41 100

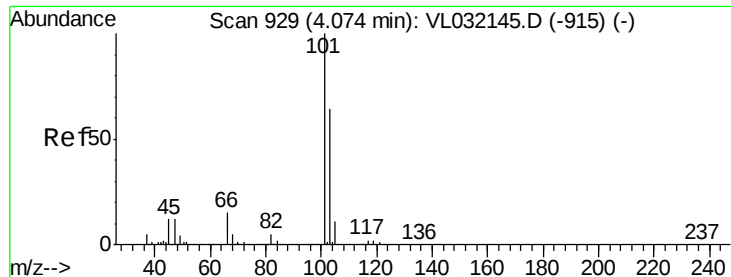
42 71.3 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

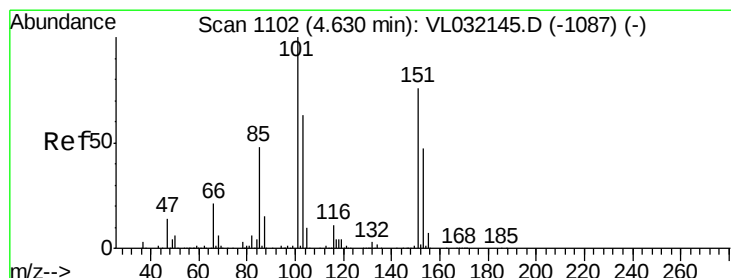
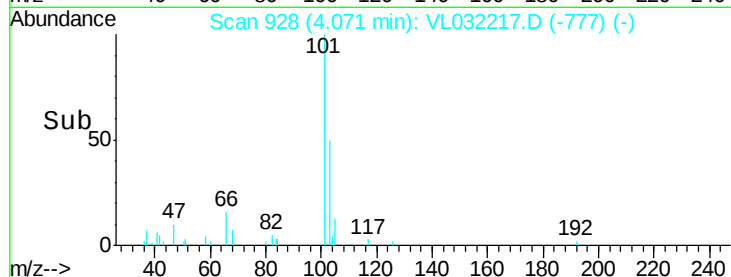
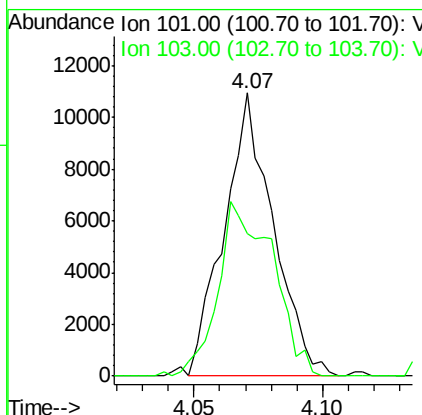
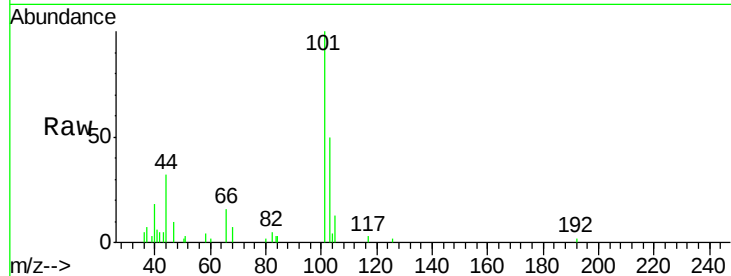




#11
 Trichlorofluoromethane
 Concen: 0.071 ppbv
 RT: 4.07 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

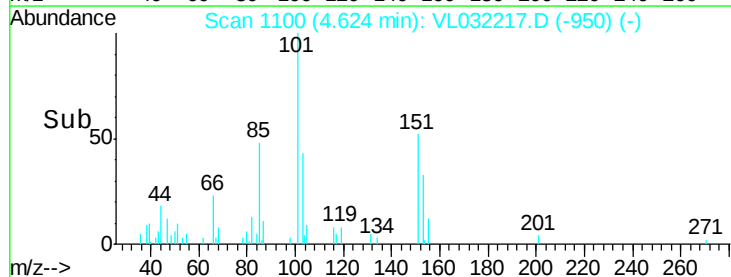
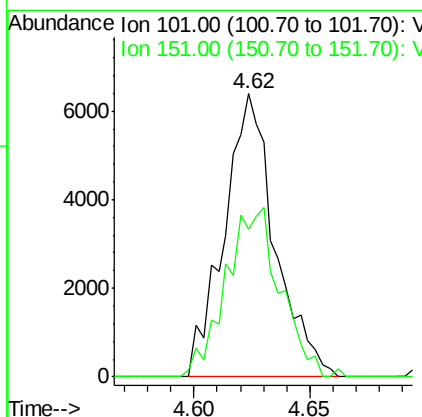
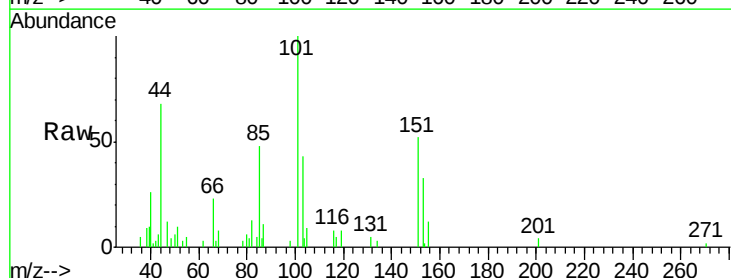
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2018

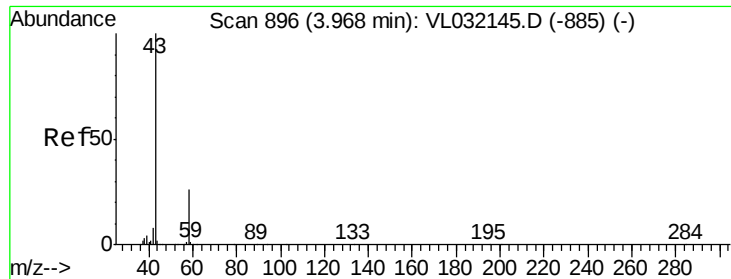
Tgt Ion:101 Resp: 14513
 Ion Ratio Lower Upper
 101 100
 103 50.2 51.4 77.0#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.071 ppbv
 RT: 4.62 min Scan# 1100
 Delta R.T. -0.02 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Tgt Ion:101 Resp: 9737
 Ion Ratio Lower Upper
 101 100
 151 63.9 58.8 88.2





#15

Acetone

Concen: 0.136 ppbv

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

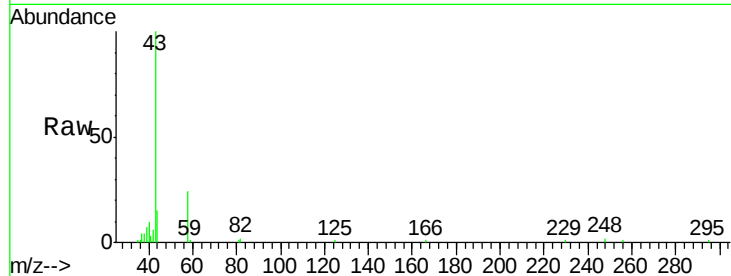
LOQ-AIR-02-QT3-2018

Tgt Ion: 43 Resp: 23043

Ion Ratio Lower Upper

43 100

58 30.5 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.99

20000

15000

10000

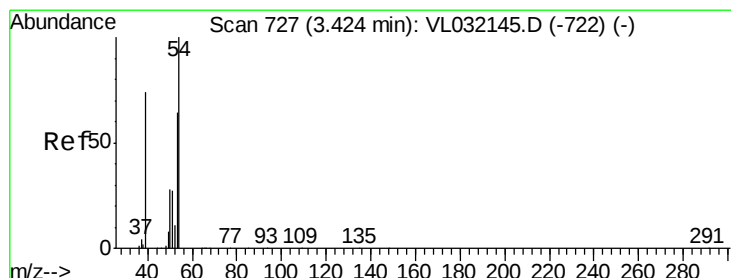
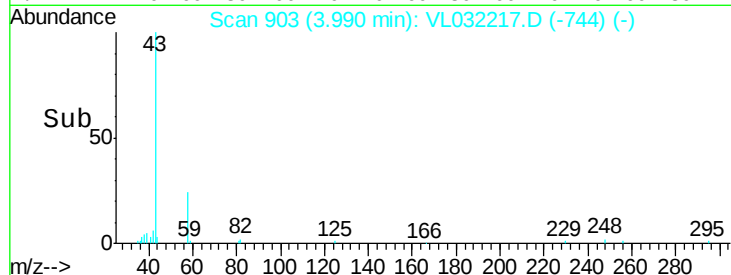
5000

0

Time-->

3.95

4.00



#16

1,3-Butadiene

Concen: 0.047 ppbv

RT: 3.42 min Scan# 726

Delta R.T. -0.01 min

Lab File: VL032217.D

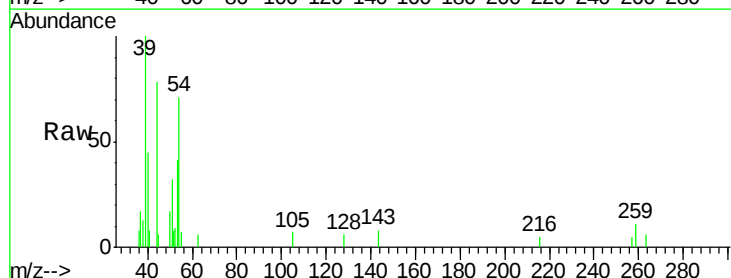
Acq: 6 Jul 2018 00:00

Tgt Ion: 39 Resp: 3792

Ion Ratio Lower Upper

39 100

54 136.2 75.8 113.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.42

5000

4000

3000

2000

1000

0

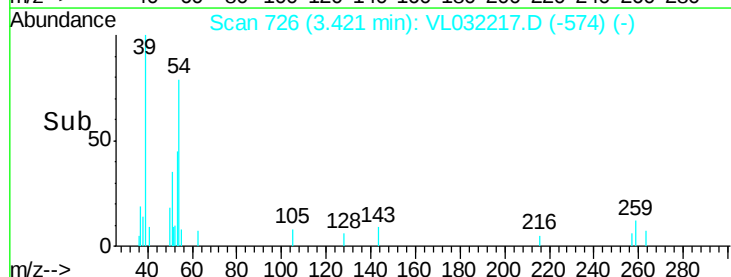
Time-->

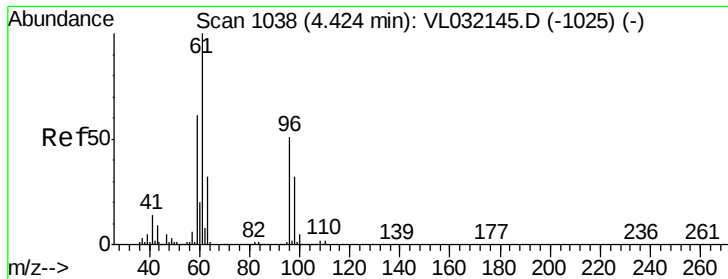
3.41

3.42

3.43

3.44

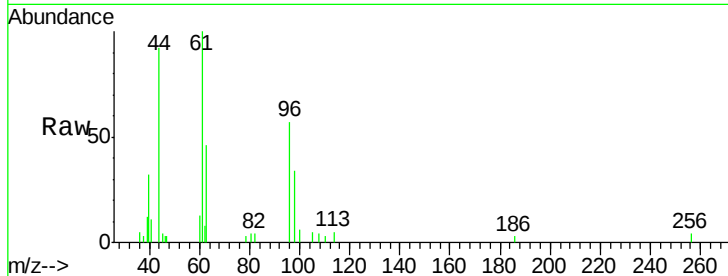




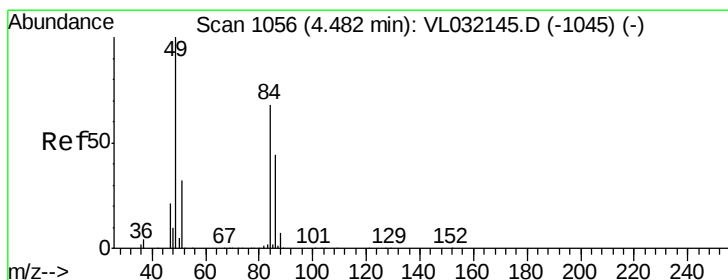
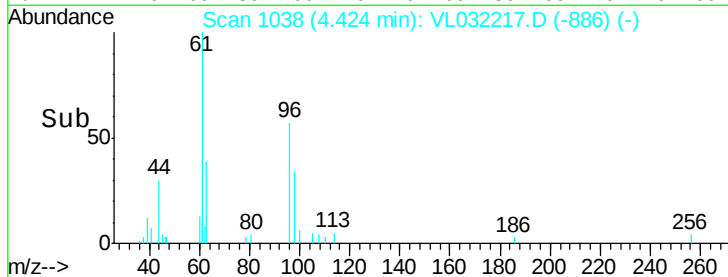
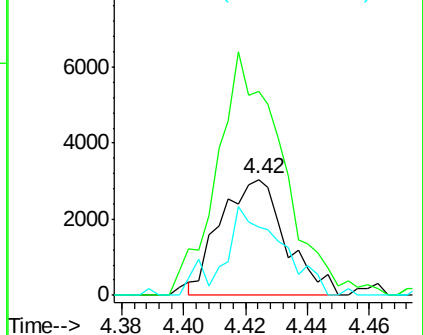
#18
 1,1-Dichloroethene
 Concen: 0.068 ppbv
 RT: 4.42 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2018

Tgt Ion: 96 Resp: 4477
 Ion Ratio Lower Upper
 96 100
 61 167.4 154.1 231.1
 98 59.2 50.3 75.5

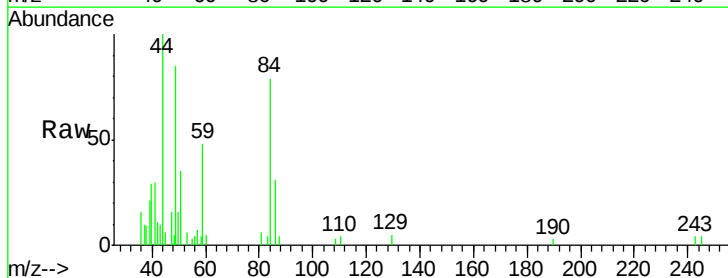


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

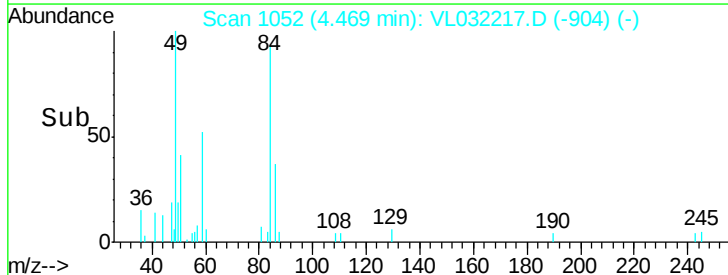
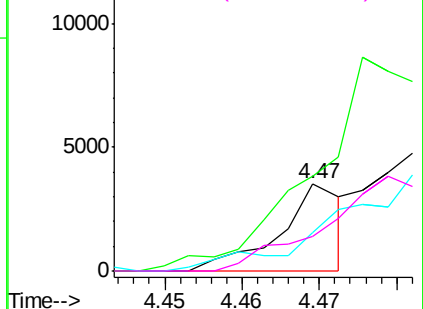


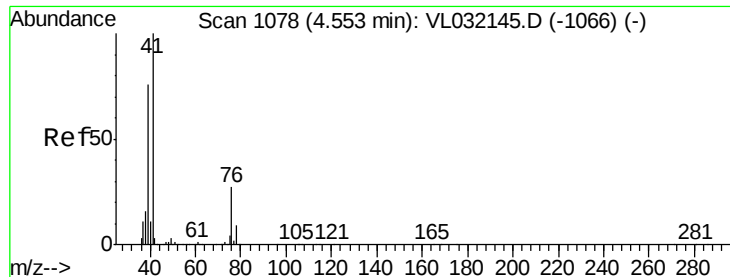
#20
 Methylene Chloride
 Concen: 0.033 ppbv
 RT: 4.47 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Tgt Ion: 84 Resp: 2017
 Ion Ratio Lower Upper
 84 100
 49 110.5 119.6 179.4#
 51 38.6 36.3 54.5
 86 39.6 49.7 74.5#



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

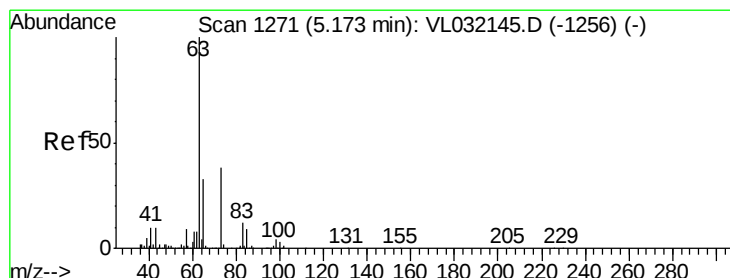
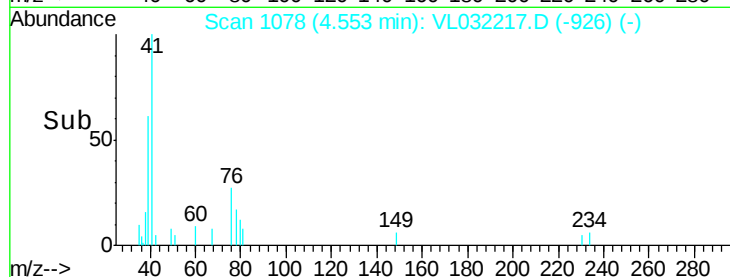
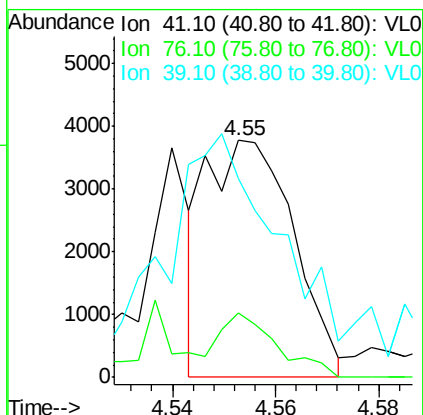
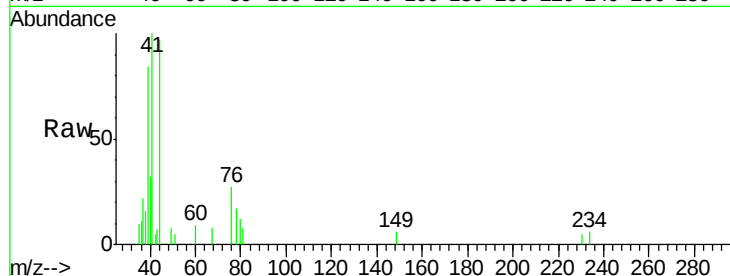




#21
 Allyl Chloride
 Concen: 0.038 ppbv
 RT: 4.55 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

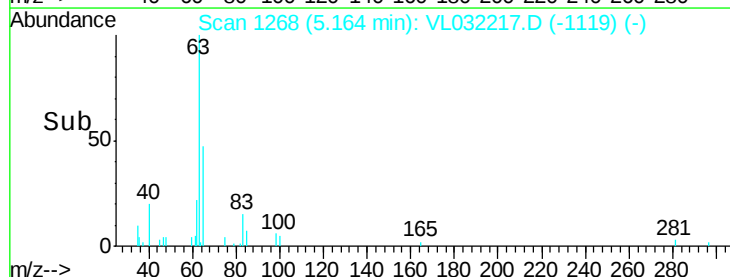
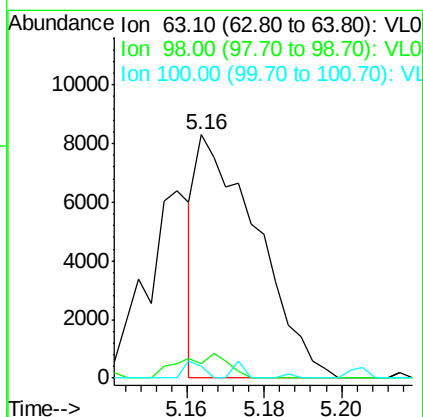
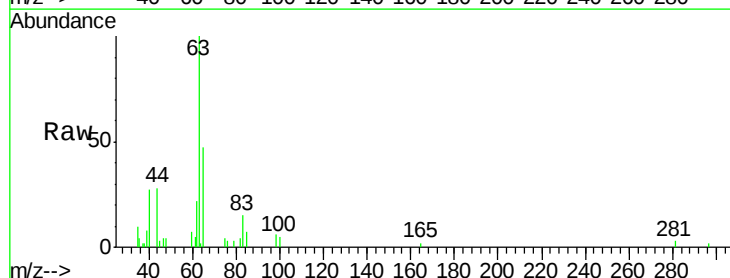
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2018

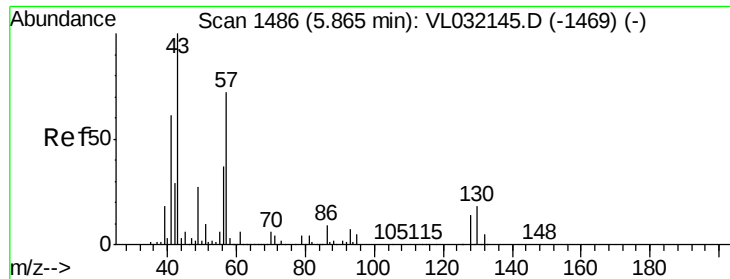
Tgt Ion: 41 Resp: 4420
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.5 33.7#
 39 146.2 60.5 90.7#



#24
 1,1-Dichloroethane
 Concen: 0.046 ppbv
 RT: 5.16 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Tgt Ion: 63 Resp: 8975
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.4 7.2
 100 4.7 1.7 5.0

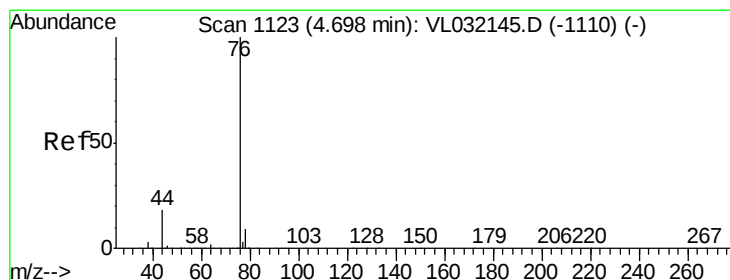
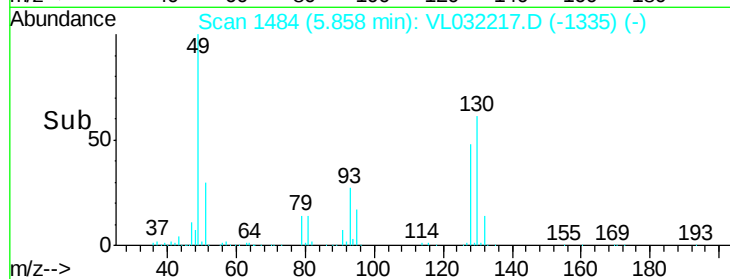
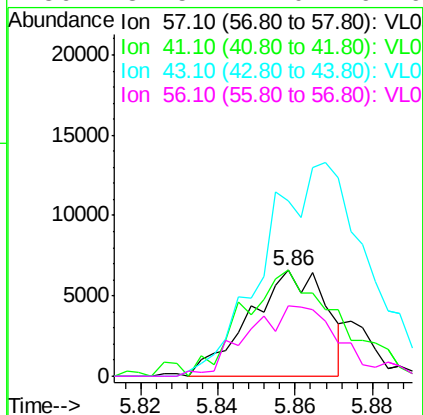
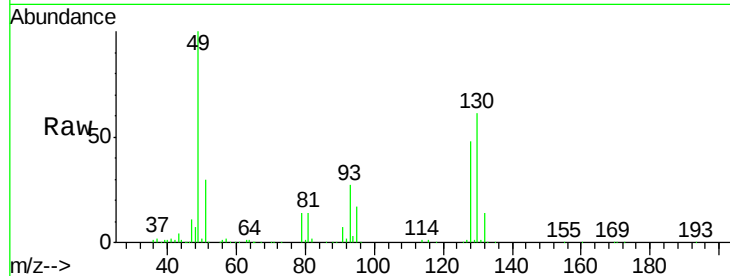




#26
Hexane
Concen: 0.056 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VL032217.D
Acq: 6 Jul 2018 00:00

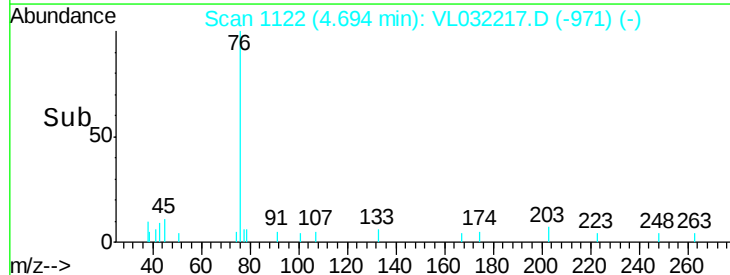
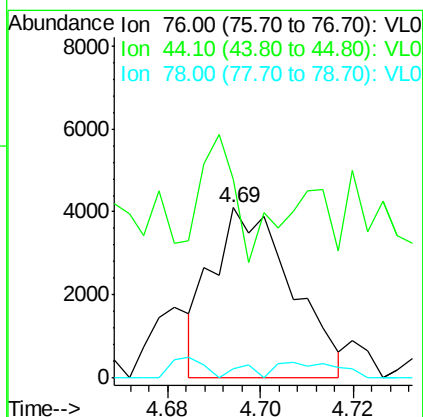
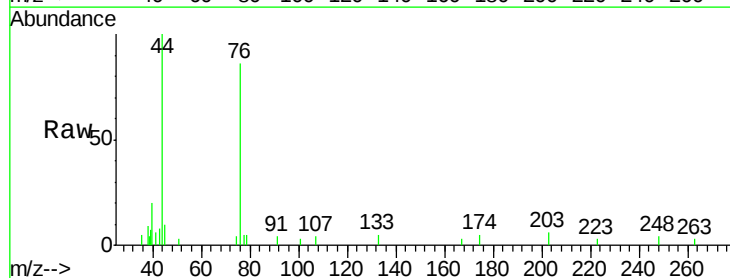
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2018

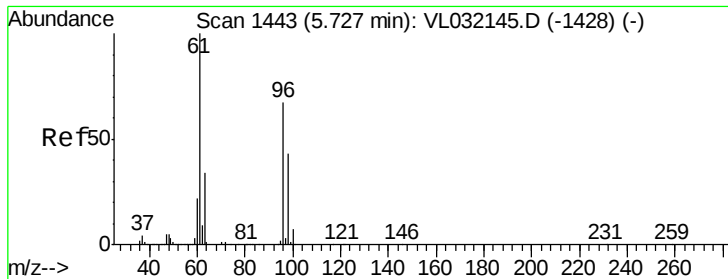
Tgt Ion: 57 Resp: 8999
Ion Ratio Lower Upper
57 100
41 132.8 68.6 103.0#
43 0.0 168.6 252.8#
56 82.5 41.0 61.6#



#27
Carbon Disulfide
Concen: 0.030 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VL032217.D
Acq: 6 Jul 2018 00:00

Tgt Ion: 76 Resp: 4862
Ion Ratio Lower Upper
76 100
44 71.6 15.1 22.7#
78 0.0 7.2 10.8#





#31

cis-1,2-Dichloroethene

Concen: 0.039 ppbv

RT: 5.72 min Scan# 1442

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

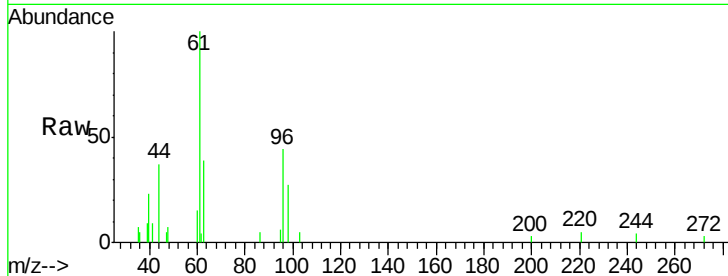
MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2018

Tgt Ion: 61 Resp: 6196

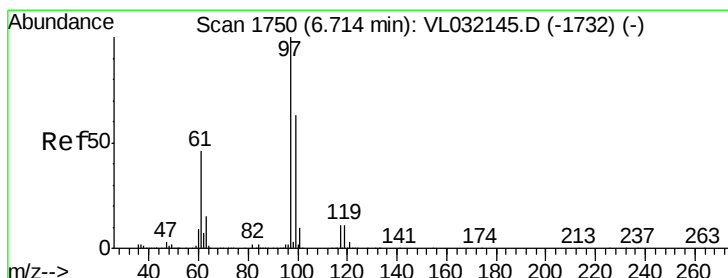
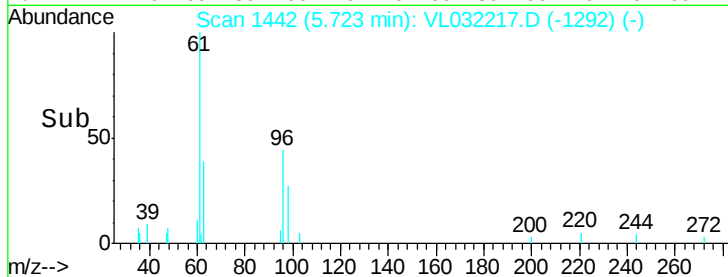
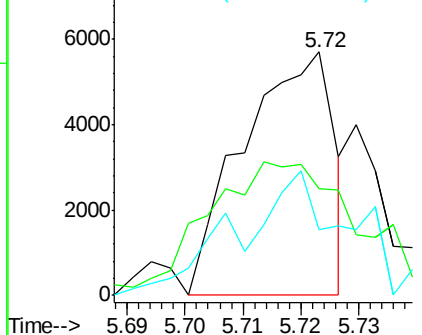
Ion	Ratio	Lower	Upper
61	100		
96	14.0	54.2	81.4#
98	15.1	34.6	52.0#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.034 ppbv

RT: 6.70 min Scan# 1745

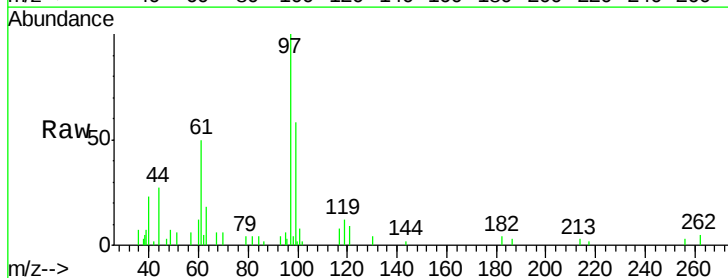
Delta R.T. -0.03 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Tgt Ion: 97 Resp: 8231

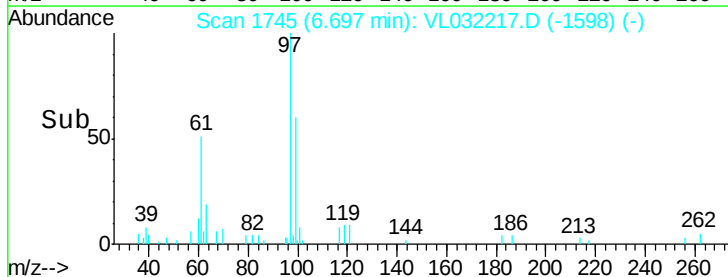
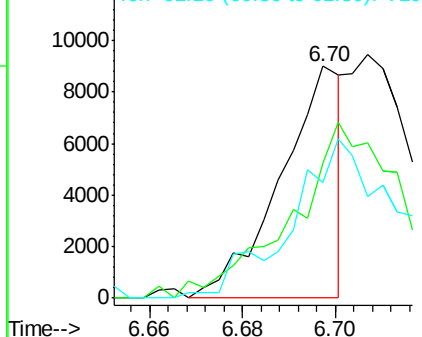
Ion	Ratio	Lower	Upper
97	100		
99	145.7	51.3	76.9#
61	126.0	38.4	57.6#

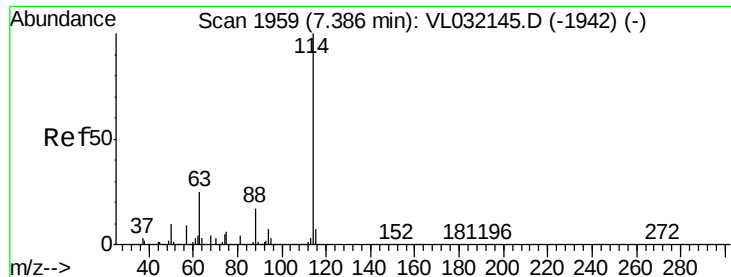


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

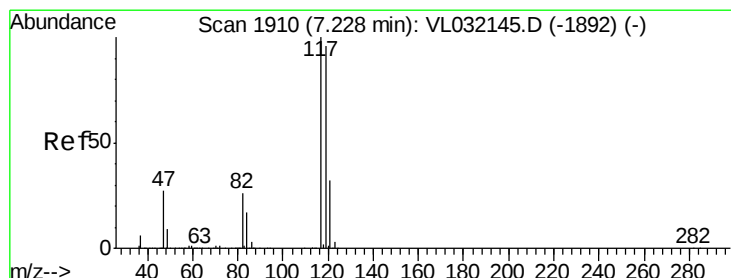
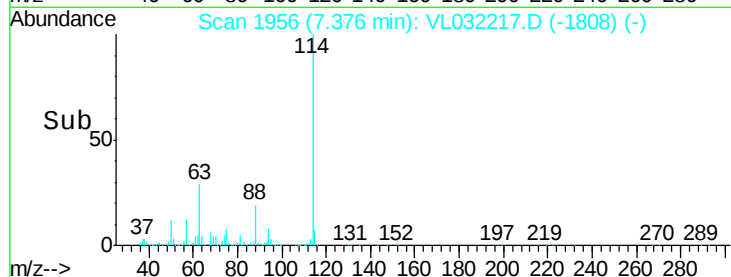
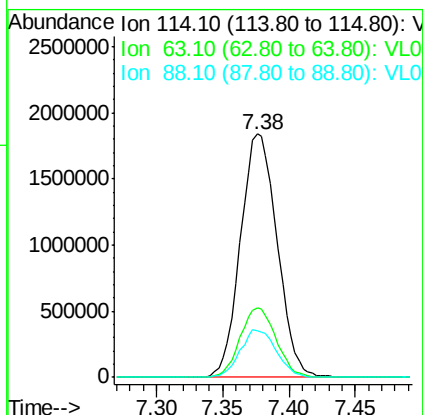
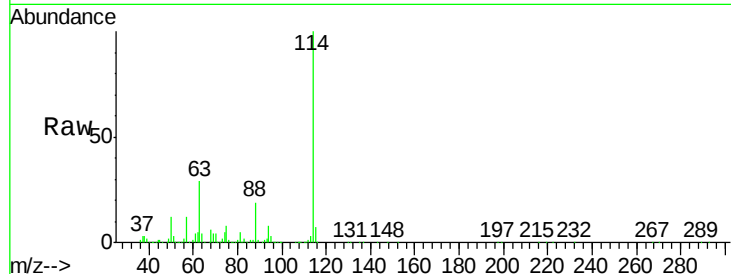




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

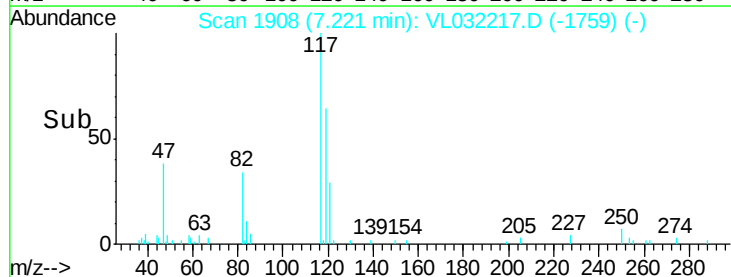
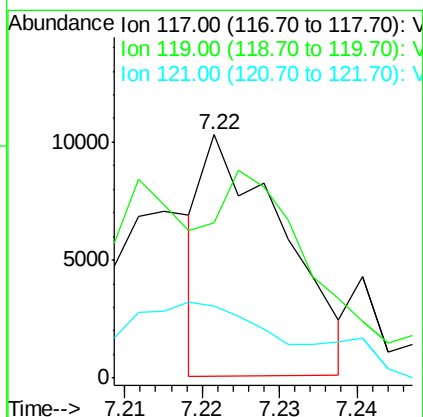
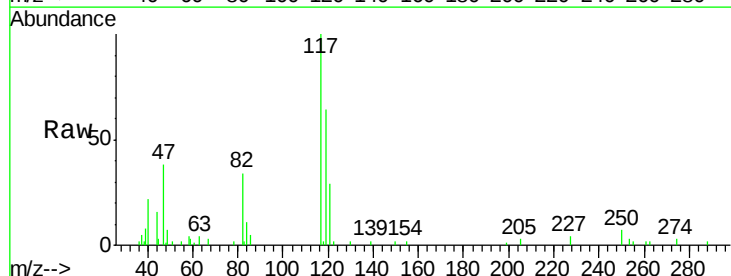
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2018

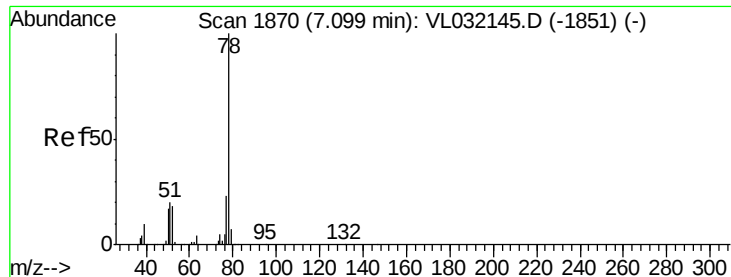
Tgt Ion:114 Resp: 3537284
 Ion Ratio Lower Upper
 114 100
 63 28.3 19.1 28.7
 88 19.3 13.9 20.9



#35
 Carbon Tetrachloride
 Concen: 0.031 ppbv
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.02 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Tgt Ion:117 Resp: 7401
 Ion Ratio Lower Upper
 117 100
 119 41.2 74.8 112.2#
 121 18.8 24.0 36.0#





#36

Benzene

Concen: 0.048 ppbv

RT: 7.10 min Scan# 1869

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2018

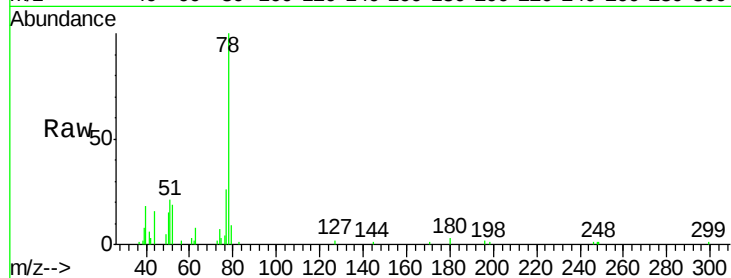
Tgt Ion: 78 Resp: 16559

Ion Ratio Lower Upper

78 100

77 17.2 17.7 26.5#

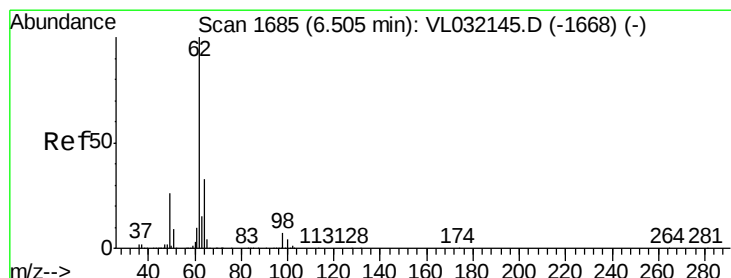
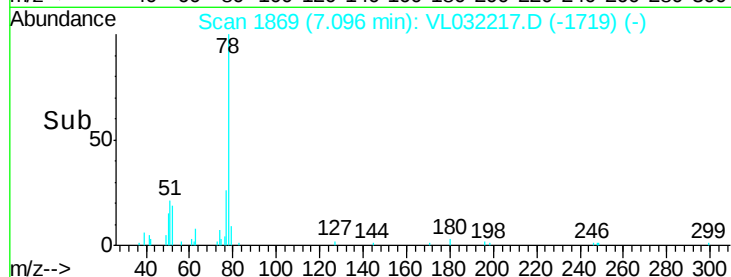
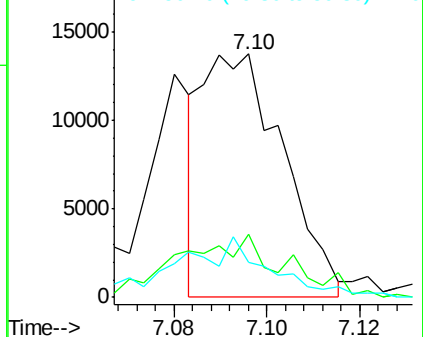
50 9.0 14.0 21.0#



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: 0.043 ppbv

RT: 6.50 min Scan# 1683

Delta R.T. -0.02 min

Lab File: VL032217.D

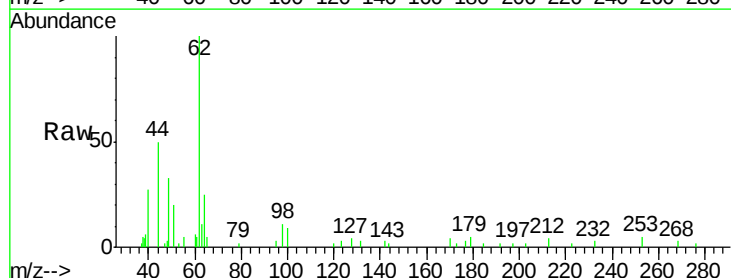
Acq: 6 Jul 2018 00:00

Tgt Ion: 62 Resp: 7387

Ion Ratio Lower Upper

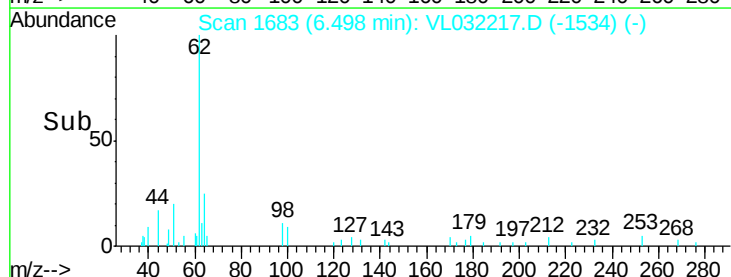
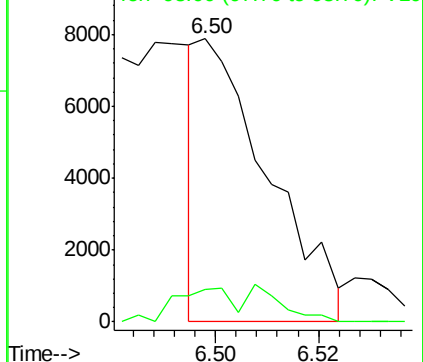
62 100

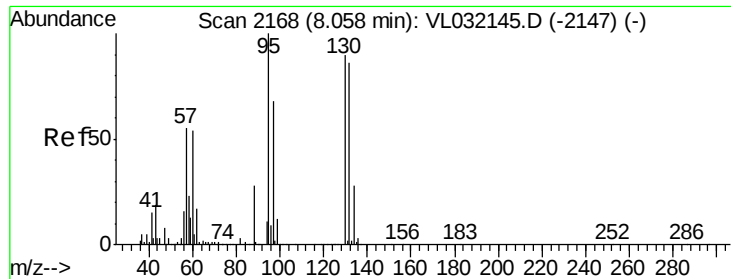
98 17.7 5.8 8.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

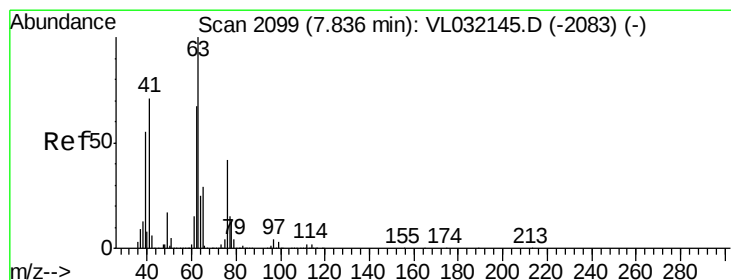
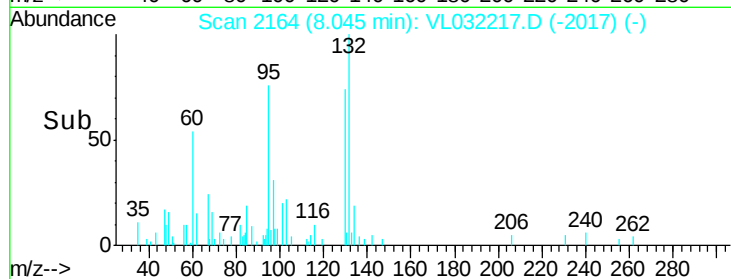
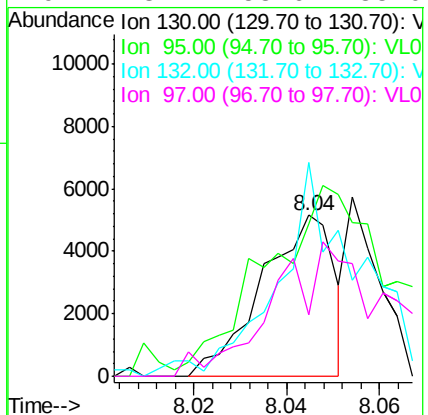
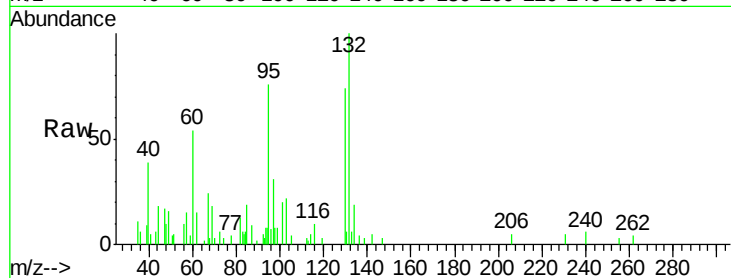




#38
 Trichloroethene
 Concen: 0.041 ppbv
 RT: 8.04 min Scan# 2164
 Delta R.T. -0.03 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

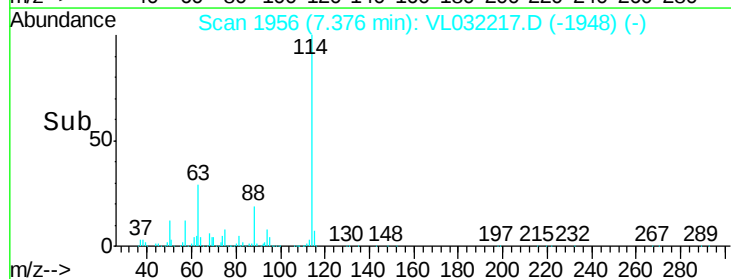
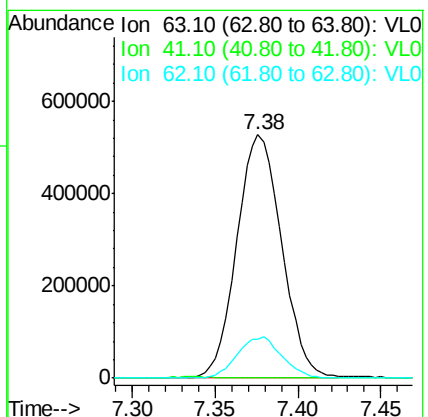
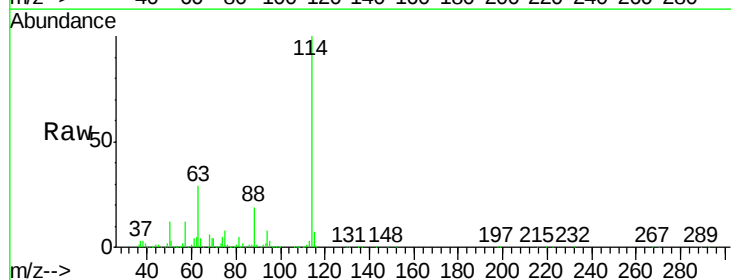
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2018

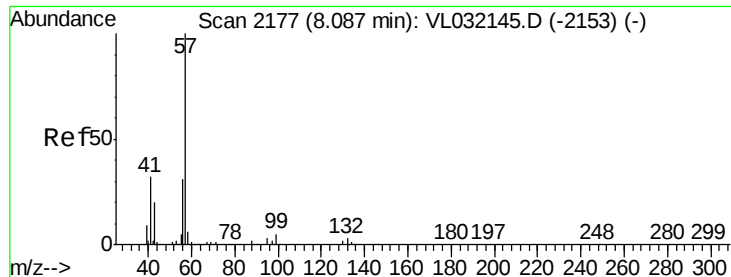
Tgt Ion:130 Resp: 5538
 Ion Ratio Lower Upper
 130 100
 95 85.8 88.1 132.1#
 132 123.2 74.6 112.0#
 97 23.1 58.6 88.0#



#39
 1,2-Dichloropropane
 Concen: 7.273 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.47 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Tgt Ion: 63 Resp: 982031
 Ion Ratio Lower Upper
 63 100
 41 0.0 53.3 79.9#
 62 16.1 54.8 82.2#





#44

2,2,4-Trimethylpentane

Concen: 0.030 ppbv

RT: 8.08 min Scan# 2175

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2018

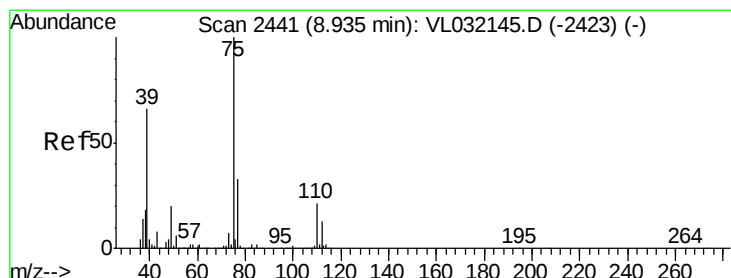
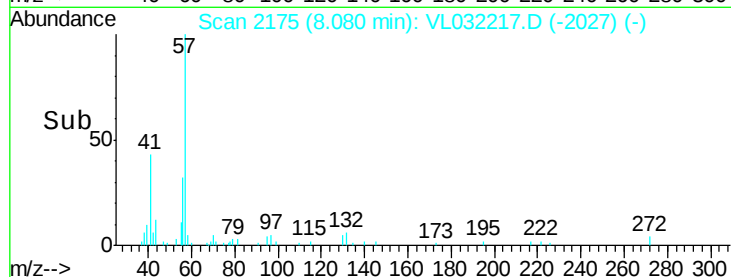
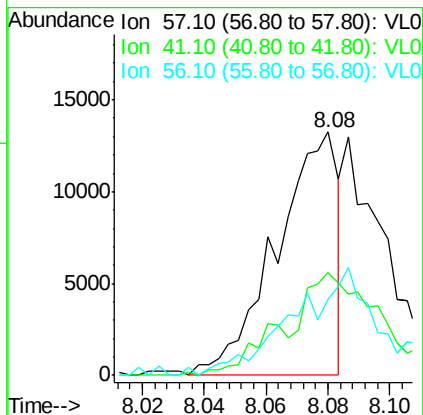
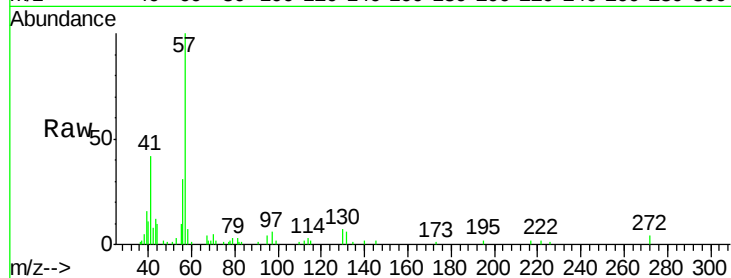
Tgt Ion: 57 Resp: 18219

Ion Ratio Lower Upper

57 100

41 65.5 24.3 36.5#

56 0.0 25.1 37.7#



#46

cis-1,3-Dichloropropene

Concen: 0.034 ppbv

RT: 8.93 min Scan# 2438

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

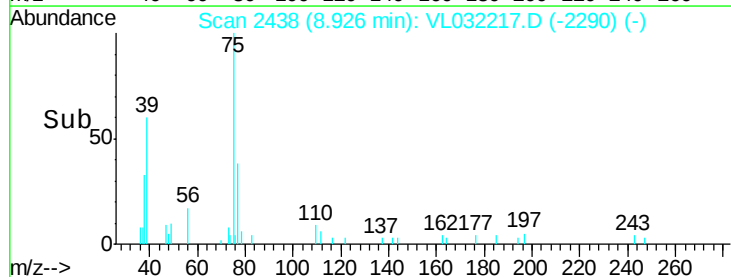
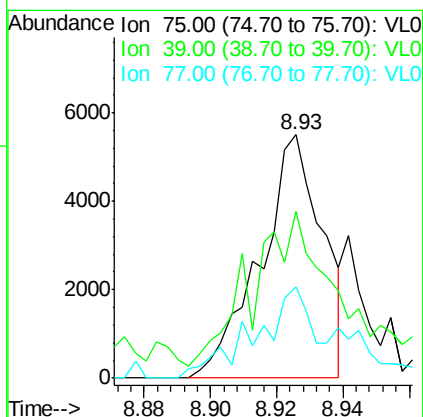
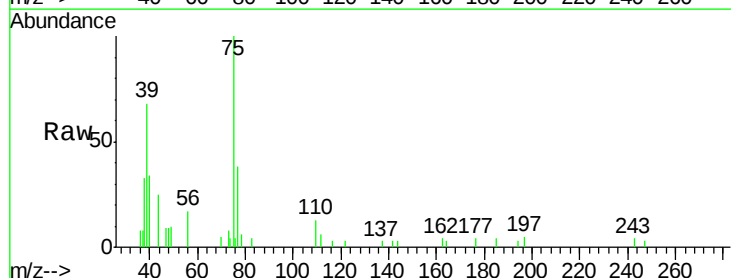
Tgt Ion: 75 Resp: 7179

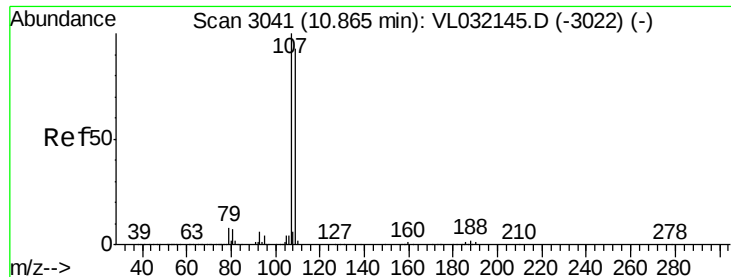
Ion Ratio Lower Upper

75 100

39 63.7 51.9 77.9

77 33.7 24.3 36.5





#54

1,2-Dibromoethane

Concen: 0.031 ppbv

RT: 10.86 min Scan# 3040

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

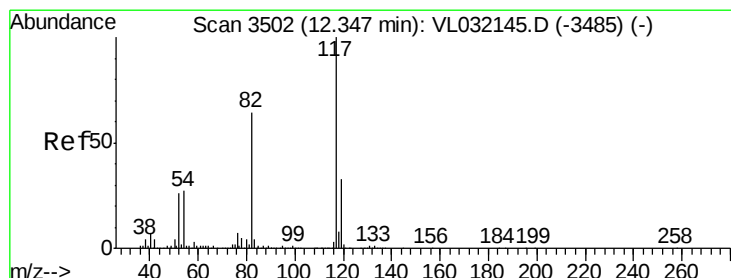
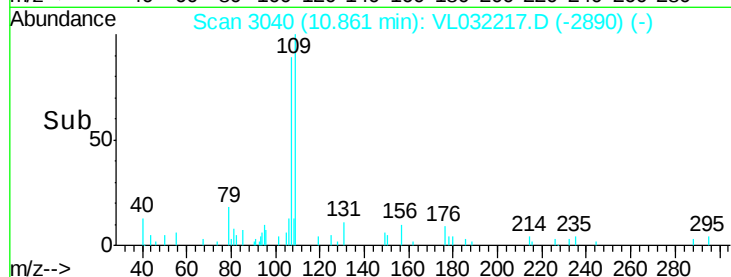
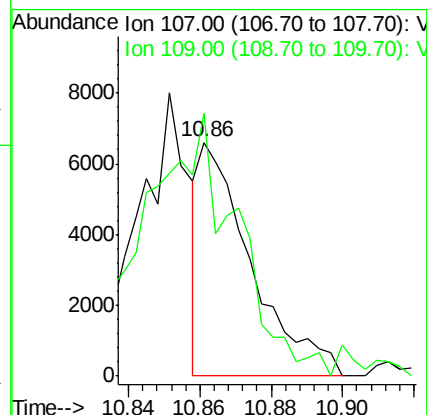
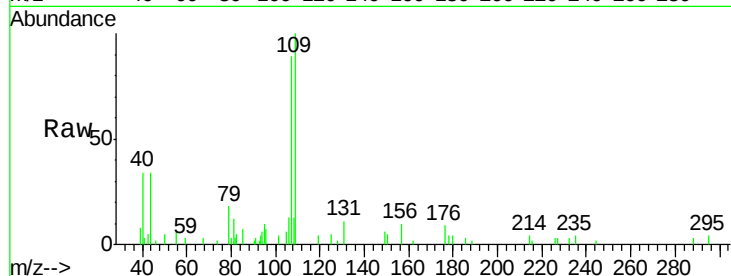
LOQ-AIR-02-QT3-2018

Tgt Ion:107 Resp: 6595

Ion Ratio Lower Upper

107 100

109 99.1 75.0 112.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.34 min Scan# 3499

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

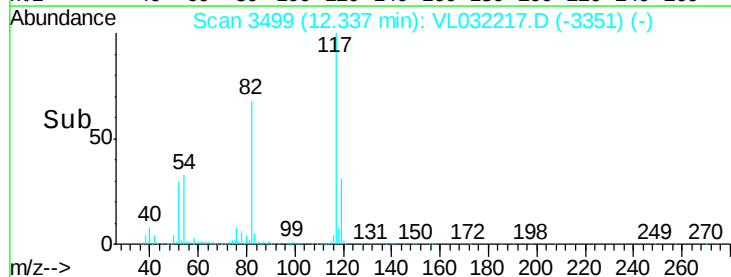
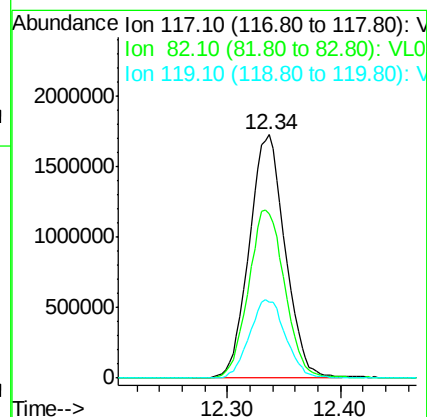
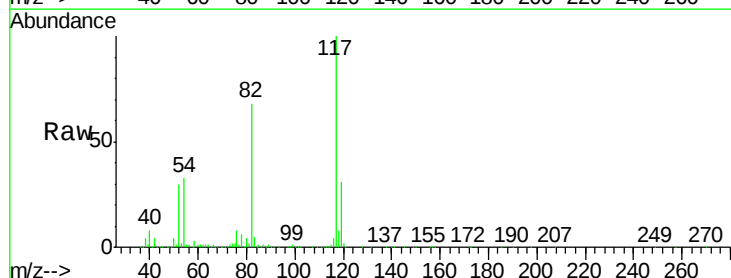
Tgt Ion:117 Resp: 3808695

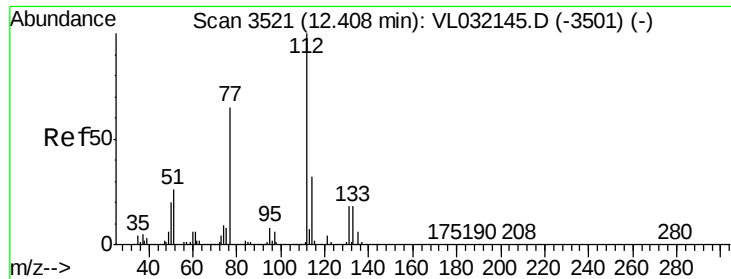
Ion Ratio Lower Upper

117 100

82 70.7 47.8 71.8

119 32.8 43.3 64.9#





#57

Chlorobenzene

Concen: 0.083 ppbv

RT: 12.40 min Scan# 3518

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2018

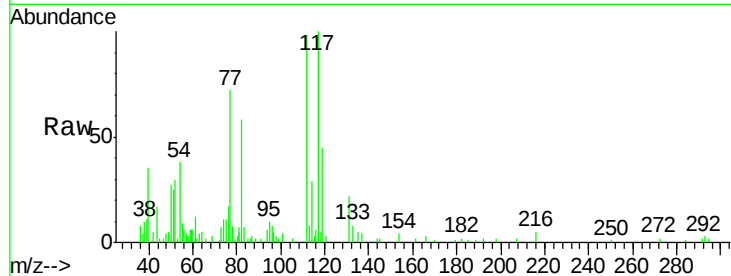
Tgt Ion: 112 Resp: 27337

Ion Ratio Lower Upper

112 100

77 72.8 52.6 78.8

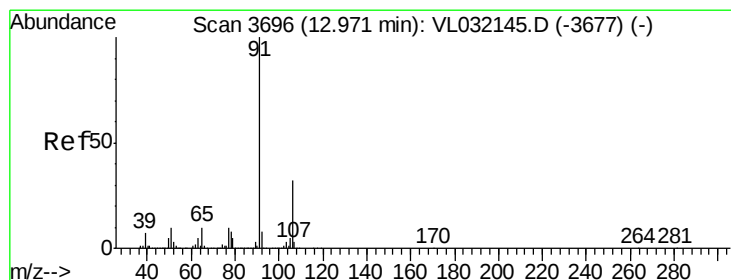
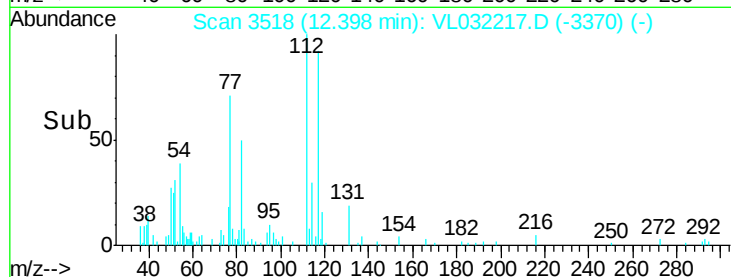
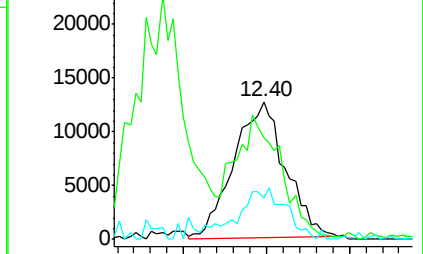
114 30.3 27.9 34.1



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



#58

Ethyl Benzene

Concen: 0.034 ppbv

RT: 12.96 min Scan# 3692

Delta R.T. -0.03 min

Lab File: VL032217.D

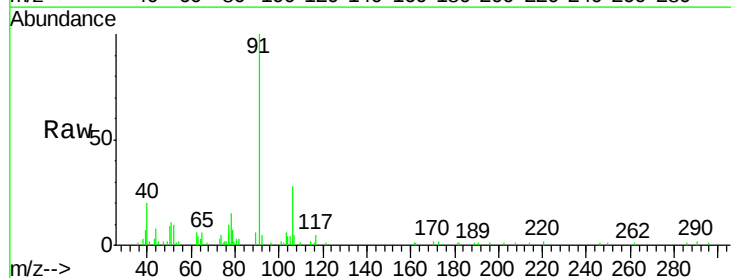
Acq: 6 Jul 2018 00:00

Tgt Ion: 91 Resp: 20968

Ion Ratio Lower Upper

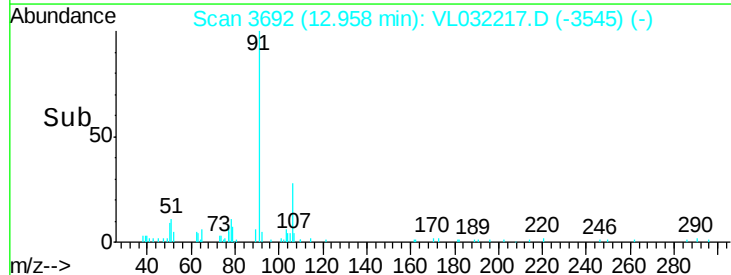
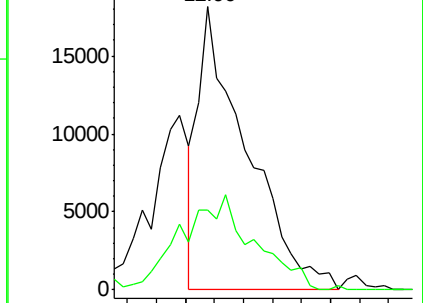
91 100

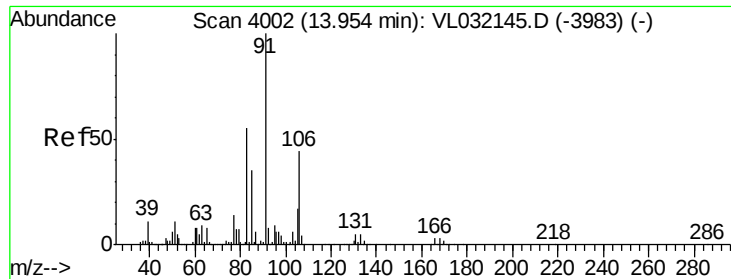
106 26.9 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

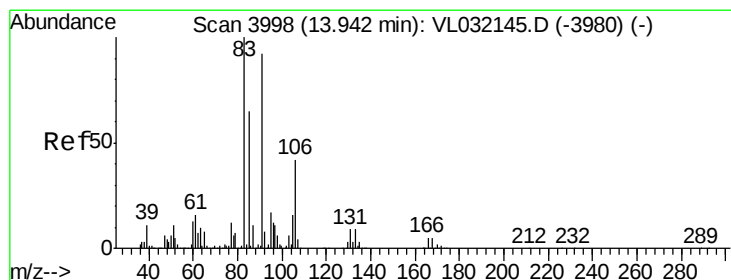
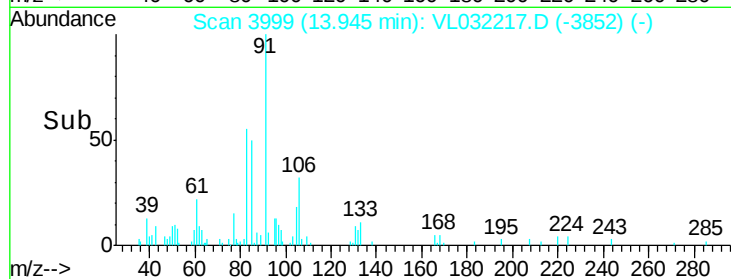
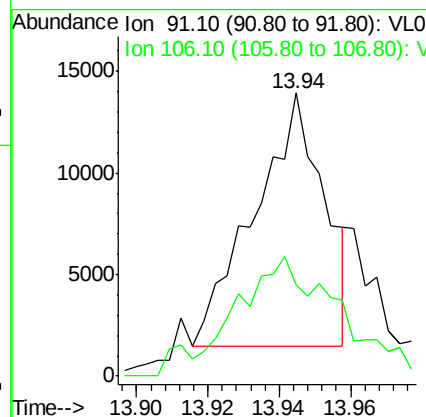
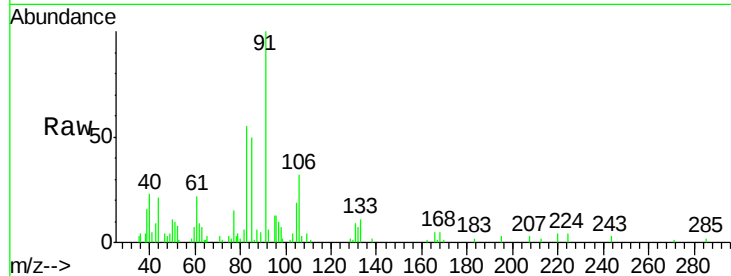




#60
o-Xylene
Concen: 0.034 ppbv
RT: 13.94 min Scan# 3999
Delta R.T. -0.03 min
Lab File: VL032217.D
Acq: 6 Jul 2018 00:00

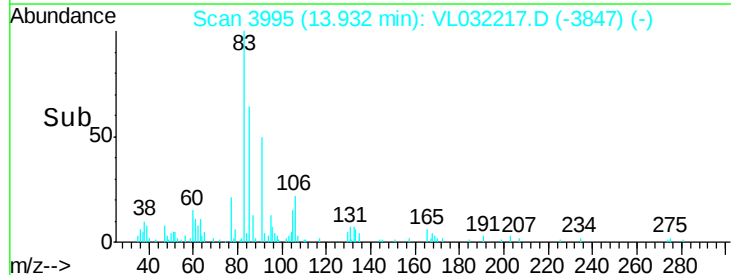
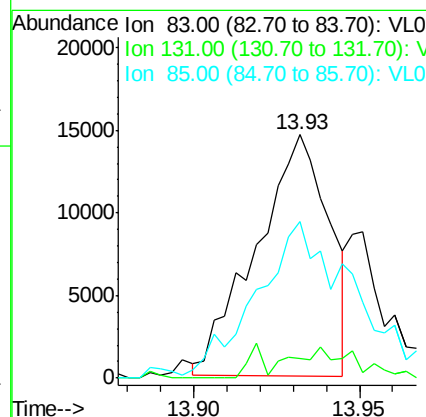
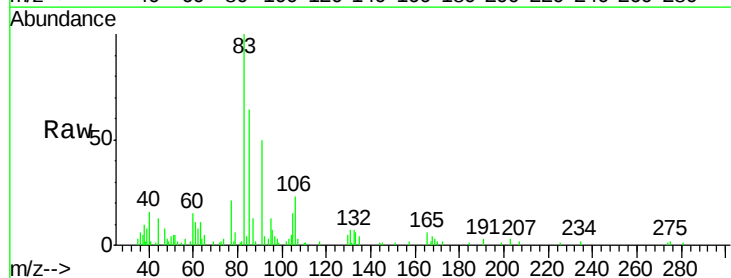
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2018

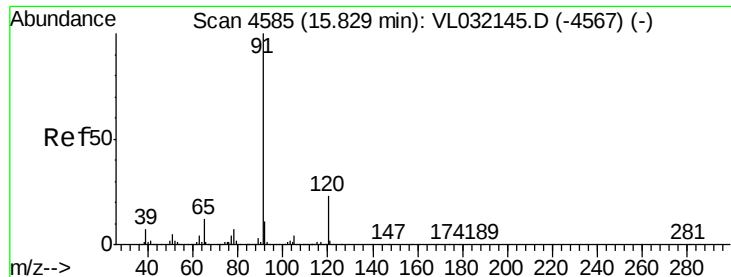
Tgt Ion: 91 Resp: 16787
Ion Ratio Lower Upper
91 100
106 71.9 23.3 69.8#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.059 ppbv
RT: 13.93 min Scan# 3995
Delta R.T. -0.02 min
Lab File: VL032217.D
Acq: 6 Jul 2018 00:00

Tgt Ion: 83 Resp: 22385
Ion Ratio Lower Upper
83 100
131 14.1 4.6 13.8#
85 90.7 32.4 97.2





#64

n-propylbenzene

Concen: 0.043 ppbv

RT: 15.82 min Scan# 4581

Delta R.T. -0.03 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

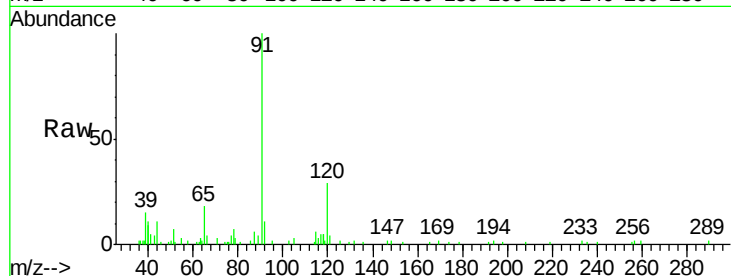
LOQ-AIR-02-QT3-2018

Tgt Ion:120 Resp: 8307

Ion Ratio Lower Upper

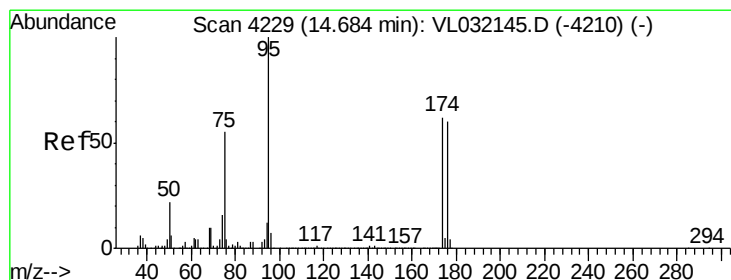
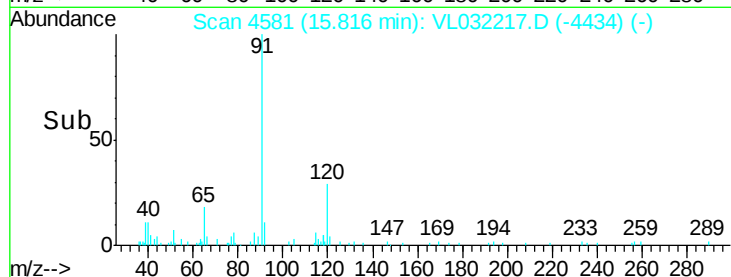
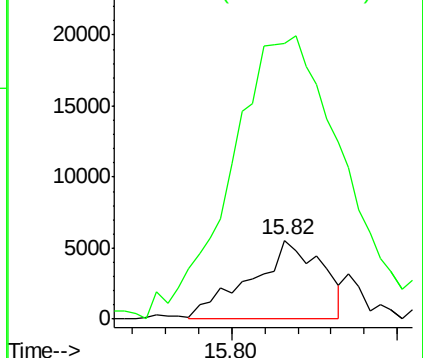
120 100

91 589.9 357.4 536.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.077 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. -0.03 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

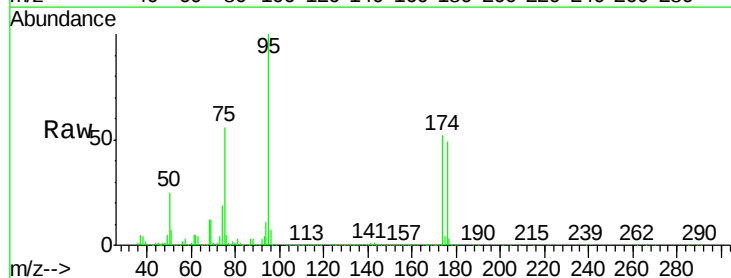
Tgt Ion: 95 Resp: 2933757

Ion Ratio Lower Upper

95 100

174 54.8 52.1 78.1

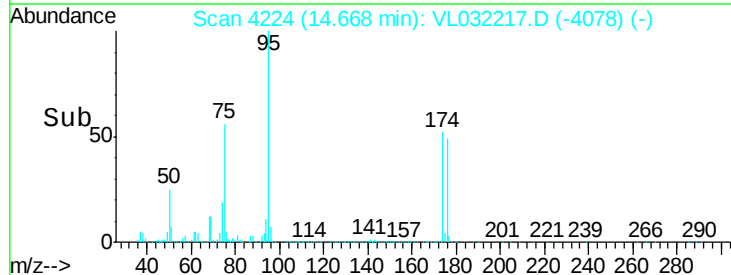
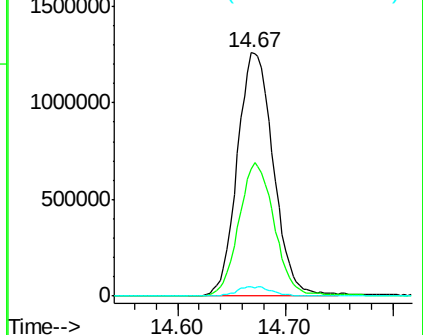
175 3.9 4.0 6.0#

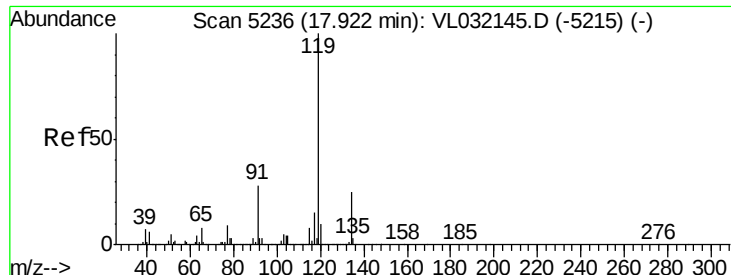


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.030 ppbv

RT: 17.91 min Scan# 5233

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2018

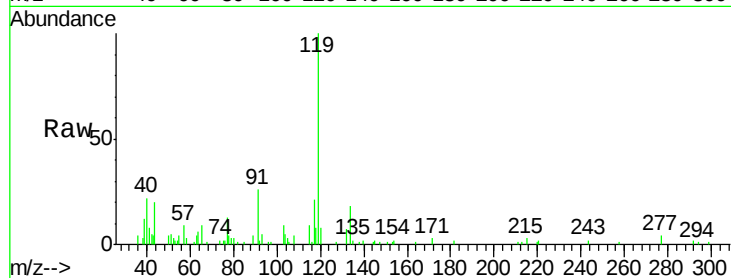
Tgt Ion:119 Resp: 23600

Ion Ratio Lower Upper

119 100

134 35.6 20.7 31.1#

91 52.1 21.8 32.8#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V

