

Data File : VL033592.D
Acq On : 16 Apr 2019 14:59
Operator : SY/AP
Sample : K2241-14 0.06 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Quant Time: Apr 17 05:51:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	852214	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2087103	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2077154	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1664507	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

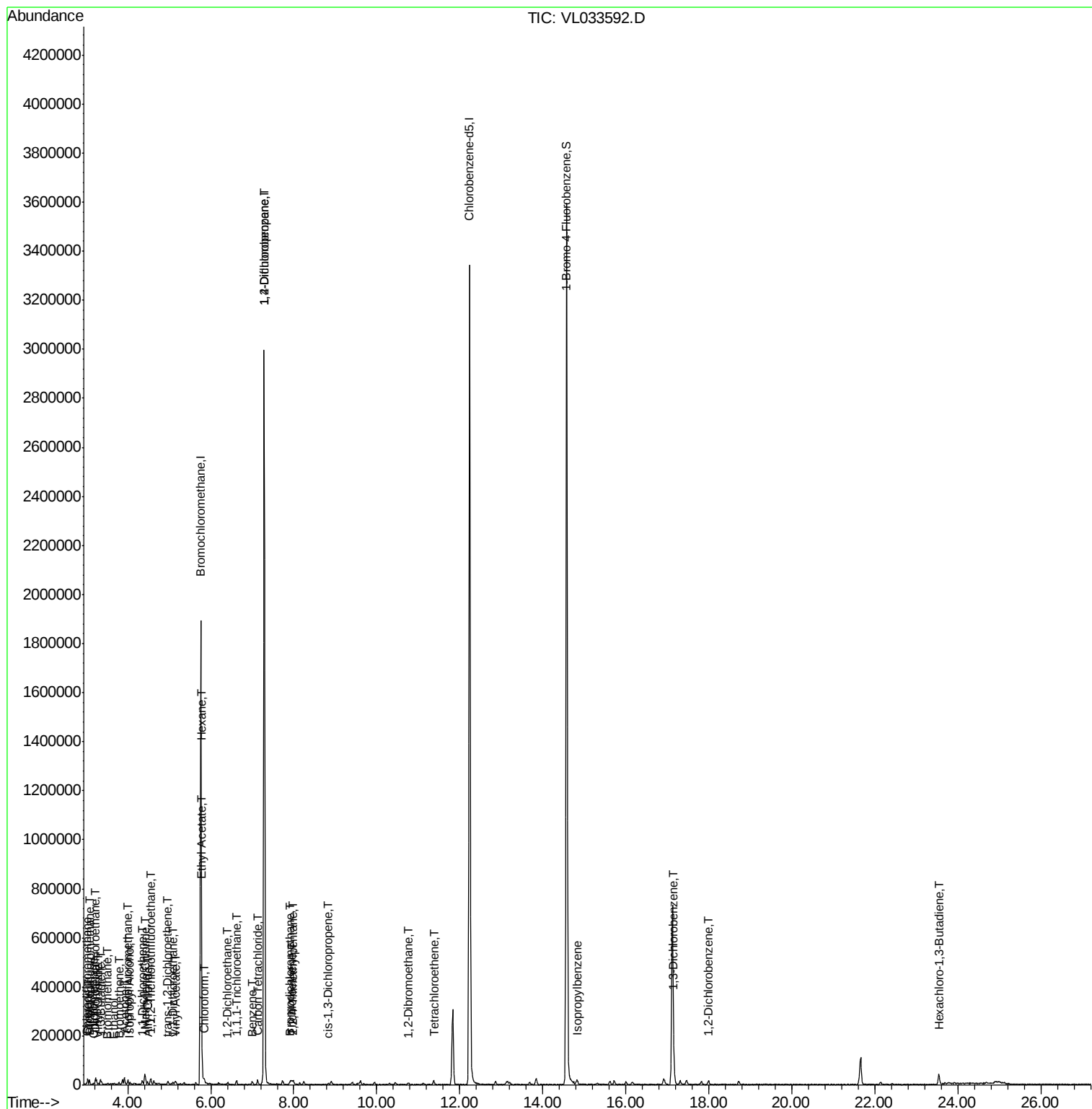
						Qvalue
2) Dichlorodifluoromethane	3.08	85	12700	0.102	ppbv	90
3) Chlorodifluoromethane	3.01	51	9571	0.098	ppbv	97
4) Chloromethane	3.17	50	3945	0.076	ppbv #	85
5) Vinyl Chloride	3.29	62	2554	0.050	ppbv #	86
6) Bromomethane	3.51	94	1064	0.032	ppbv #	57
8) Dichlorotetrafluoroethane	3.22	85	9173	0.069	ppbv	86
9) Propene	3.04	41	3274	0.079	ppbv	92
11) Trichlorofluoromethane	4.00	101	11430	0.075	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	8114	0.079	ppbv	99
13) Ethanol	3.66	45	726	0.068	ppbv #	18
14) Bromoethene	3.79	108	2416	0.059	ppbv #	72
15) Acetone	3.91	43	25840	0.252	ppbv #	87
16) 1,3-Butadiene	3.36	39	2188	0.054	ppbv #	6
18) 1,1-Dichloroethene	4.34	96	2069	0.047	ppbv #	37
19) Isopropyl Alcohol	4.05	45	3766	0.058	ppbv #	95
20) Methylene Chloride	4.41	84	12200	0.280	ppbv #	71
21) Allyl Chloride	4.48	41	4438	0.069	ppbv #	73
22) trans-1,2-Dichloroethene	4.96	96	1940	0.042	ppbv #	76
23) Vinyl Acetate	5.16	43	9705	0.067	ppbv #	85
24) 1,1-Dichloroethane	5.09	63	7385	0.067	ppbv #	95
25) Ethyl Acetate	5.79	43	12727	0.067	ppbv #	96
26) Hexane	5.78	57	5502	0.065	ppbv #	91
29) Chloroform	5.84	83	5107	0.035	ppbv #	83
32) 1,1,1-Trichloroethane	6.62	97	8810	0.064	ppbv	97
35) Carbon Tetrachloride	7.13	117	9248	0.063	ppbv	96
36) Benzene	7.00	78	8290	0.047	ppbv #	84
37) 1,2-Dichloroethane	6.40	62	4533	0.039	ppbv #	84
38) Trichloroethene	7.96	130	3225	0.049	ppbv #	83
39) 1,2-Dichloropropane	7.28	63	542897	7.914	ppbv #	23
42) Bromodichloromethane	7.91	83	8298	0.052	ppbv #	85
44) 2,2,4-Trimethylpentane	7.98	57	12638	0.041	ppbv #	86
46) cis-1,3-Dichloropropene	8.83	75	3629	0.036	ppbv #	93
52) Tetrachloroethene	11.37	164	2191	0.033	ppbv #	39
54) 1,2-Dibromoethane	10.76	107	4094	0.034	ppbv #	63
62) Isopropylbenzene	14.82	105	12906	0.038	ppbv #	89
75) 1,3-Dichlorobenzene	17.16	146	8476	0.050	ppbv #	54
77) 1,2-Dichlorobenzene	17.99	146	5048	0.031	ppbv	70
78) Hexachloro-1,3-Butadiene	23.54	225	4872	0.045	ppbv #	19

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

Data File : VL033592.D
Acq On : 16 Apr 2019 14:59
Operator : SY/AP
Sample : K2241-14 0.06 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Quant Time: Apr 17 05:51:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

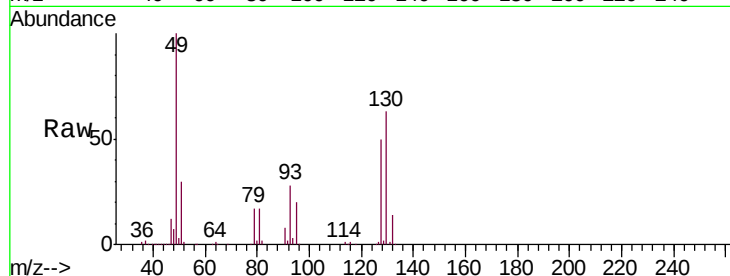
Tgt Ion: 49 Resp: 852214

Ion Ratio Lower Upper

49 100

128 50.7 24.0 72.0

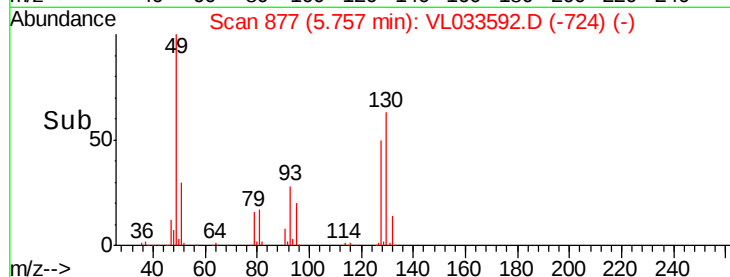
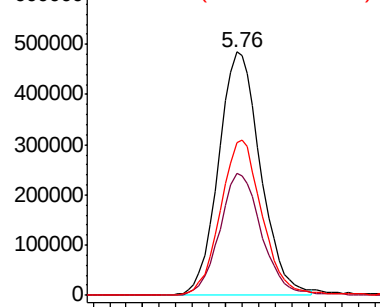
130 64.1 31.2 93.6



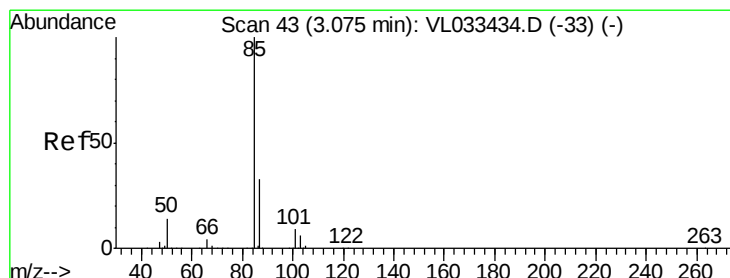
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.102 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033592.D

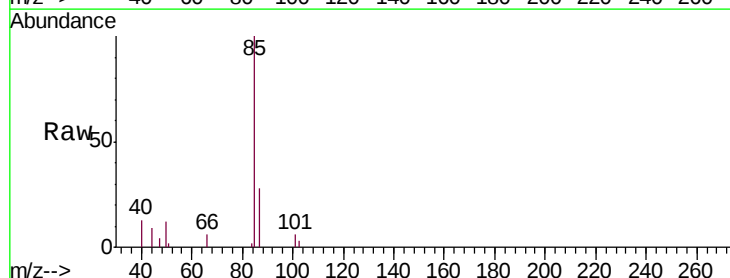
Acq: 16 Apr 2019 14:59

Tgt Ion: 85 Resp: 12700

Ion Ratio Lower Upper

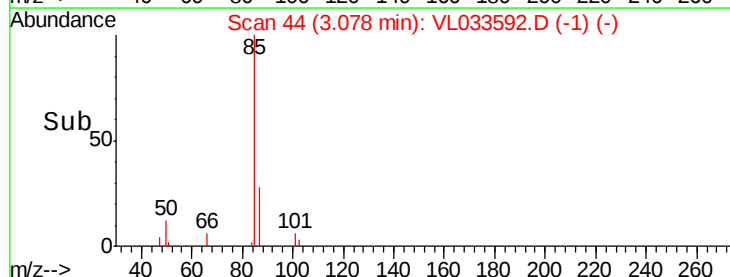
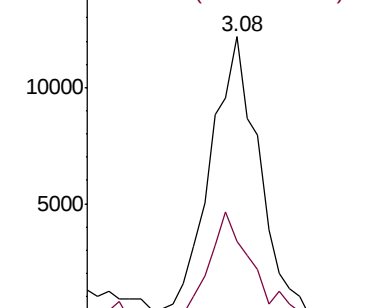
85 100

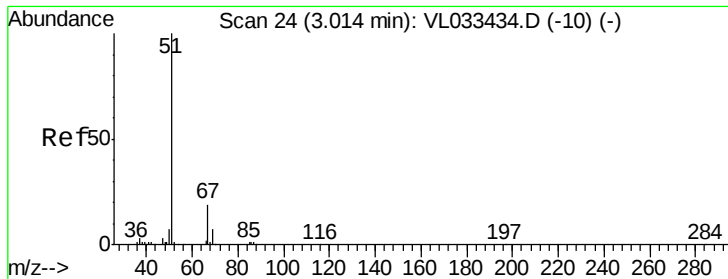
87 27.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.098 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

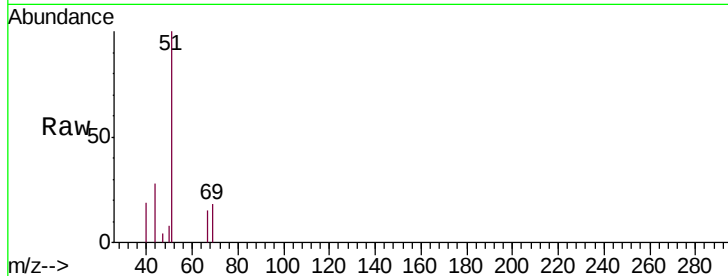
LOQ-AIR-02-QT2-2019

Tgt Ion: 51 Resp: 9571

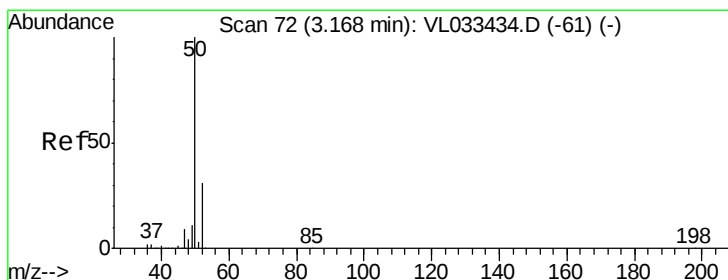
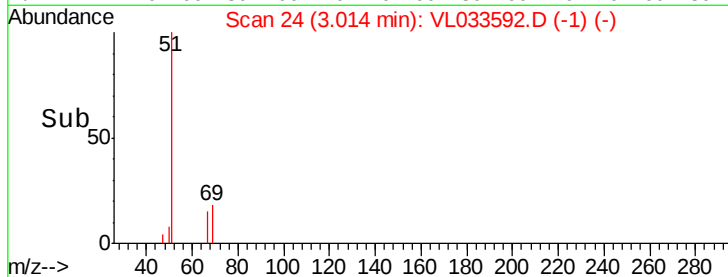
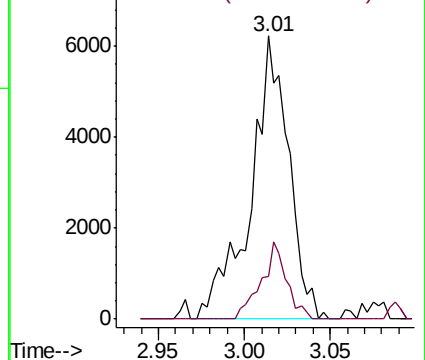
Ion Ratio Lower Upper

51 100

67 18.1 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.076 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL033592.D

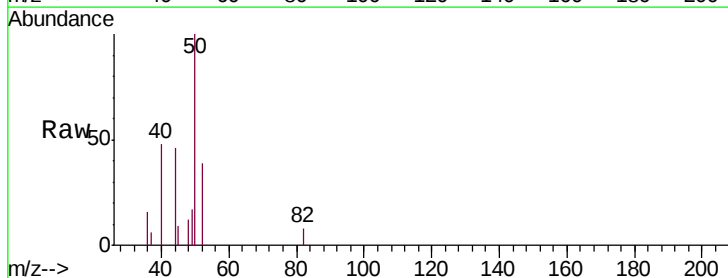
Acq: 16 Apr 2019 14:59

Tgt Ion: 50 Resp: 3945

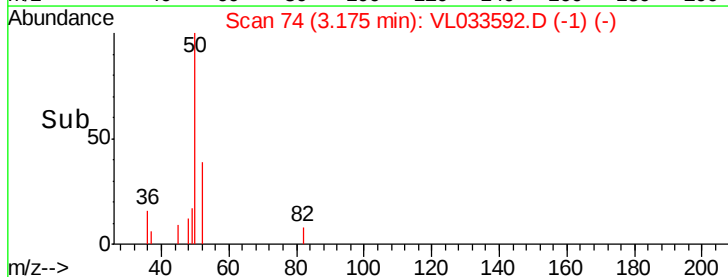
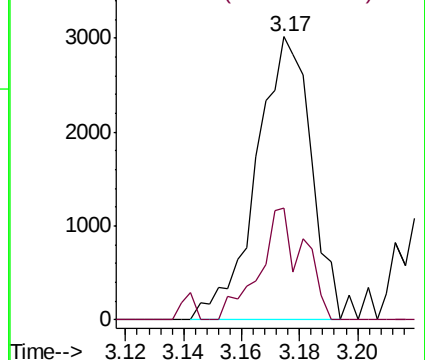
Ion Ratio Lower Upper

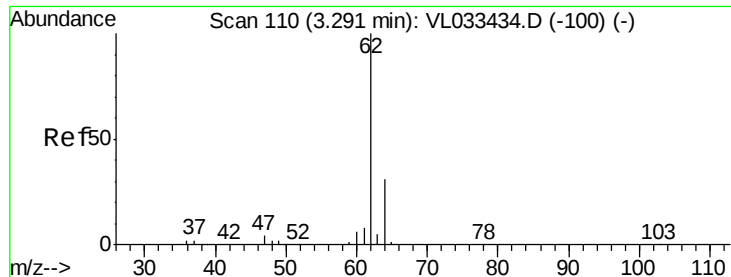
50 100

52 39.4 25.0 37.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.050 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

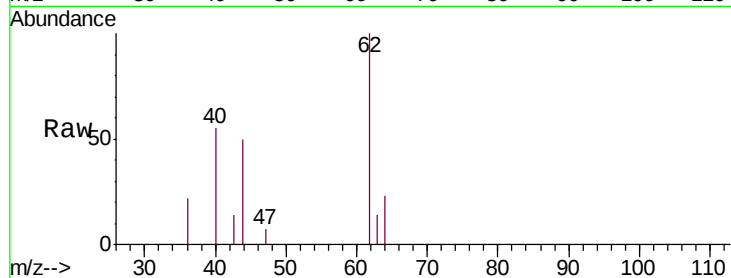
LOQ-AIR-02-QT2-2019

Tgt Ion: 62 Resp: 2554

Ion Ratio Lower Upper

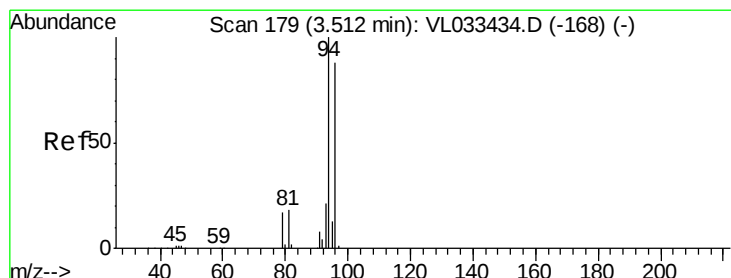
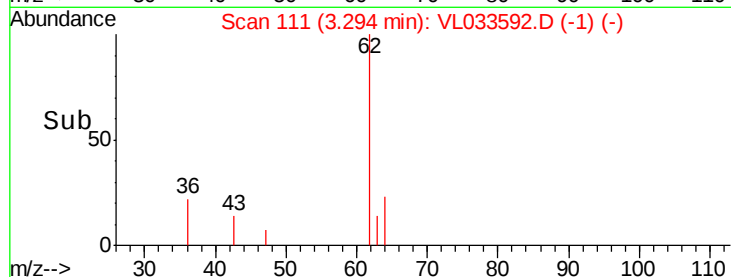
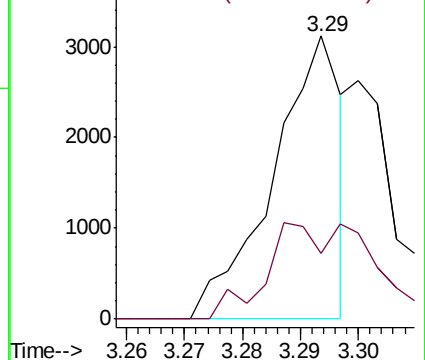
62 100

64 23.2 24.9 37.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.032 ppbv

RT: 3.51 min Scan# 177

Delta R.T. -0.01 min

Lab File: VL033592.D

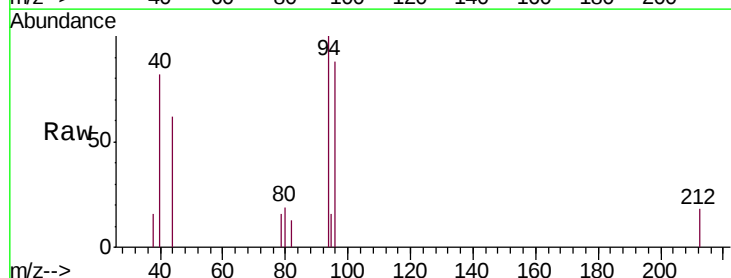
Acq: 16 Apr 2019 14:59

Tgt Ion: 94 Resp: 1064

Ion Ratio Lower Upper

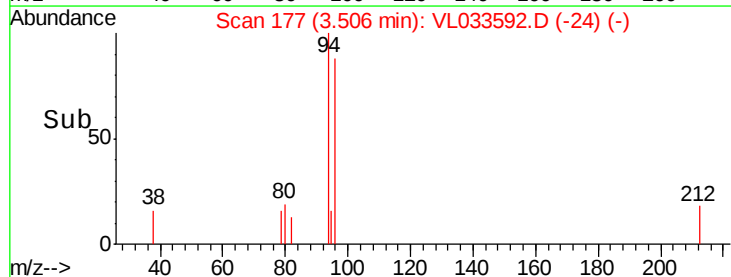
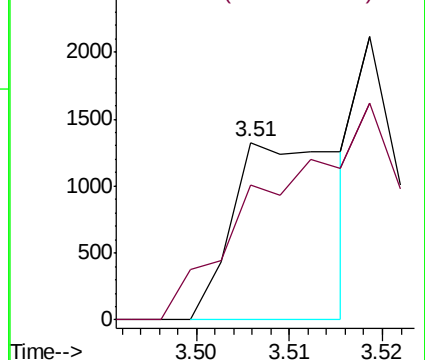
94 100

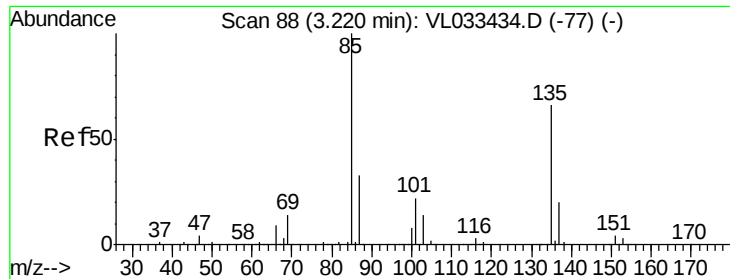
96 47.7 70.2 105.2#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

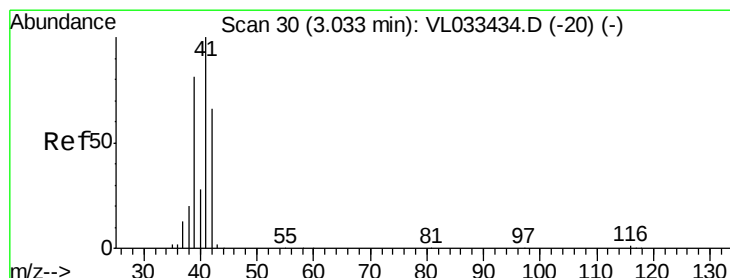
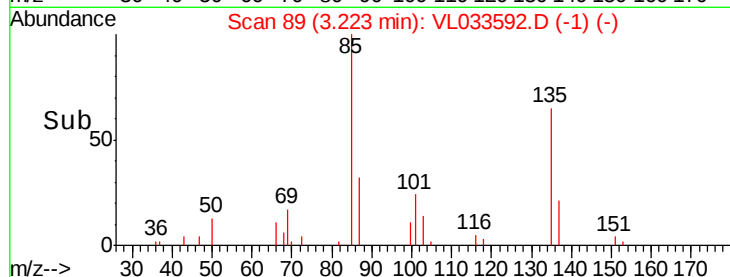
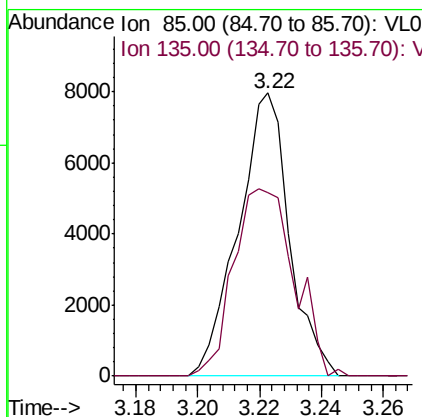
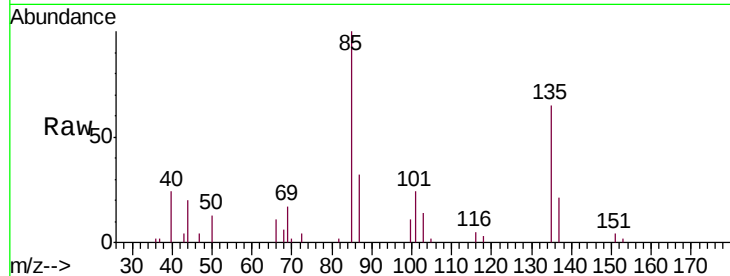




#8
Dichlorotetrafluoroethane
Concen: 0.069 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

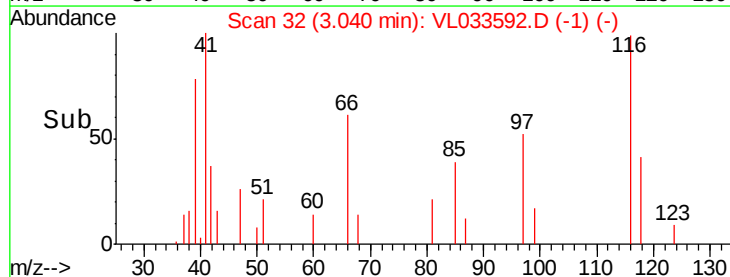
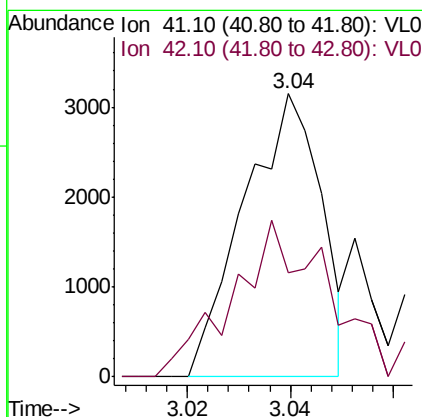
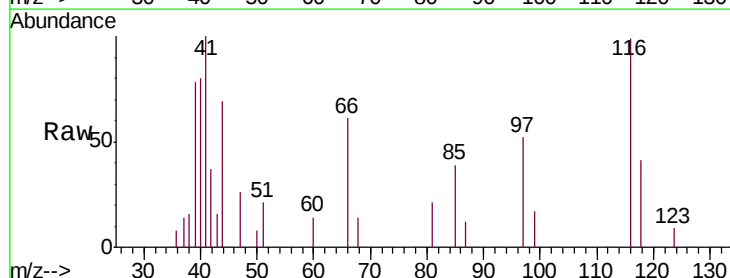
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

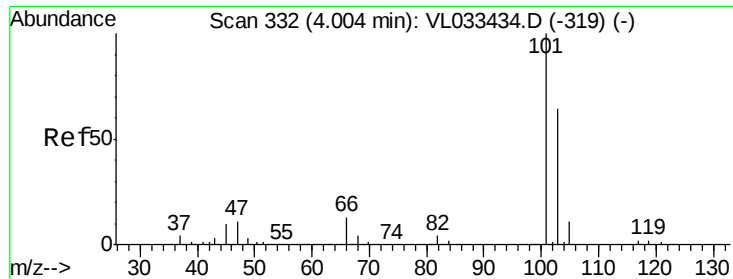
Tgt Ion: 85 Resp: 9173
Ion Ratio Lower Upper
85 100
135 78.8 54.0 81.0



#9
Propene
Concen: 0.079 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.01 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

Tgt Ion: 41 Resp: 3274
Ion Ratio Lower Upper
41 100
42 73.7 53.9 80.9

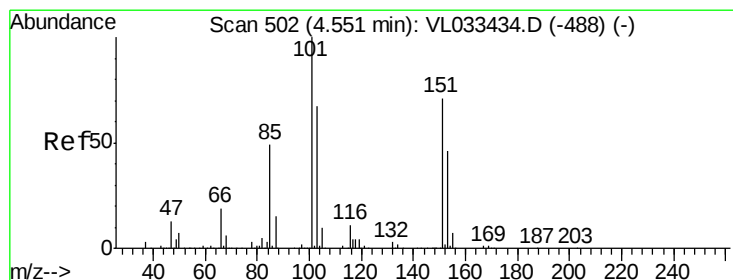
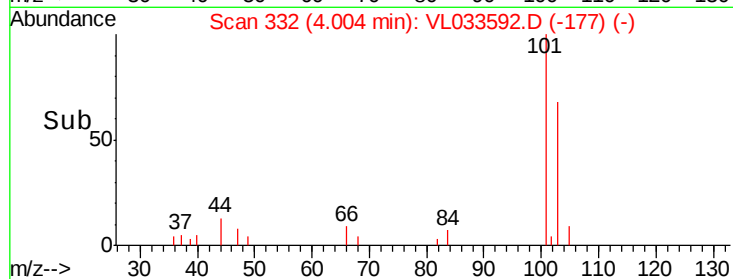
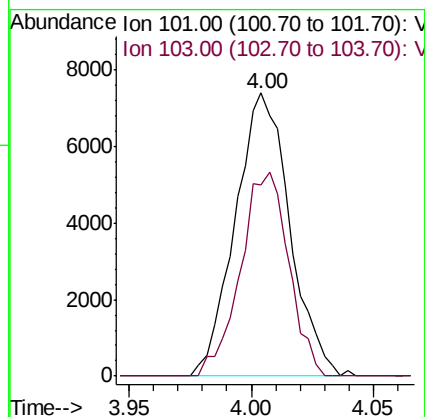
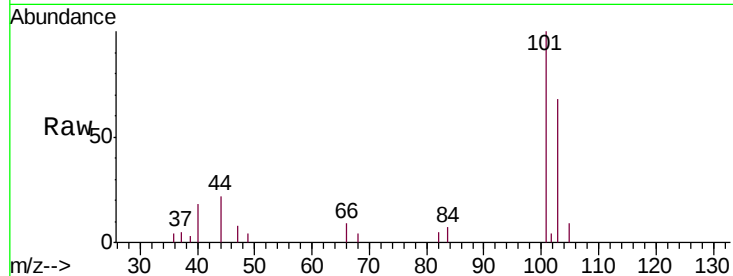




#11
 Trichlorofluoromethane
 Concen: 0.075 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033592.D
 Acq: 16 Apr 2019 14:59

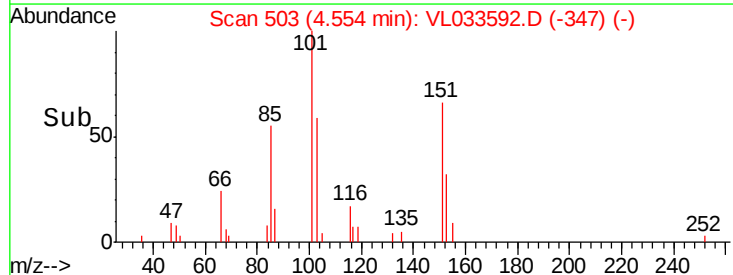
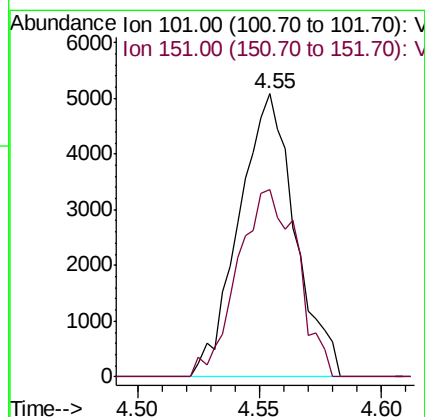
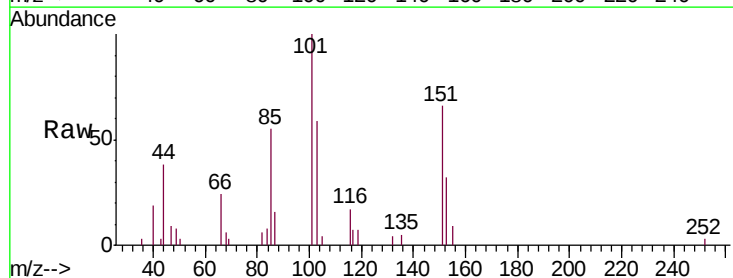
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

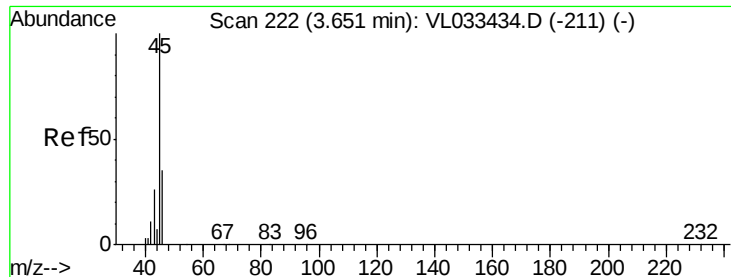
Tgt Ion:101 Resp: 11430
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.079 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033592.D
 Acq: 16 Apr 2019 14:59

Tgt Ion:101 Resp: 8114
 Ion Ratio Lower Upper
 101 100
 151 70.9 57.7 86.5

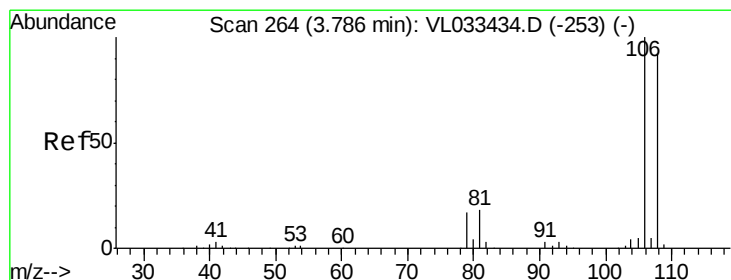
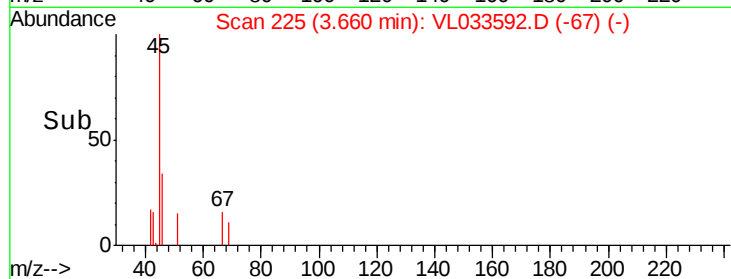
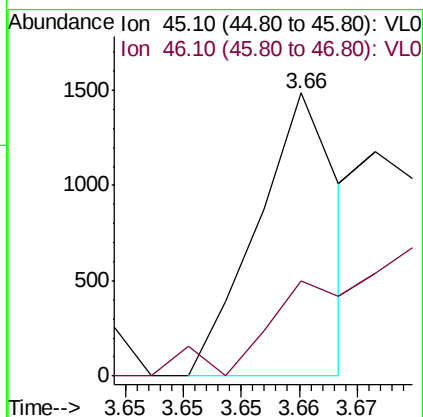
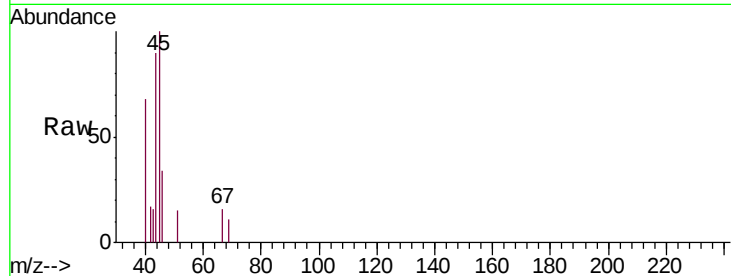




#13
Ethanol
Concen: 0.068 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

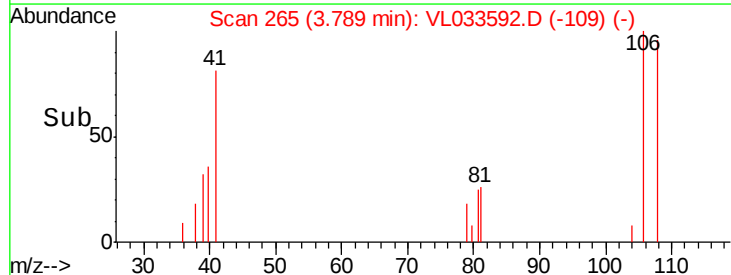
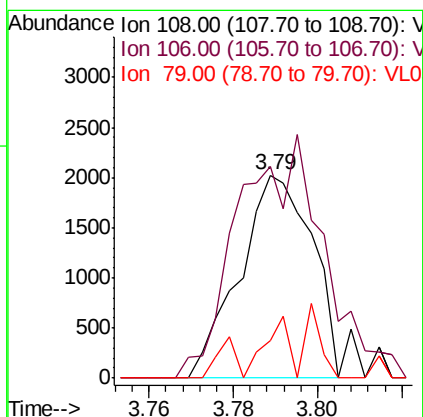
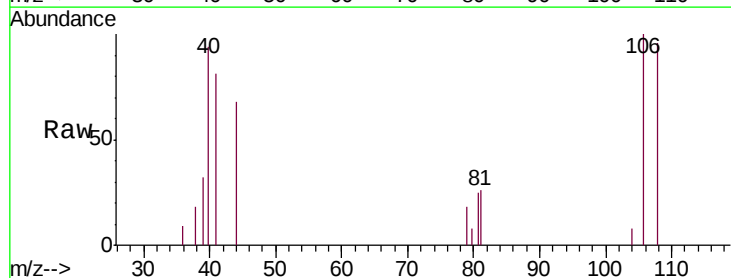
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

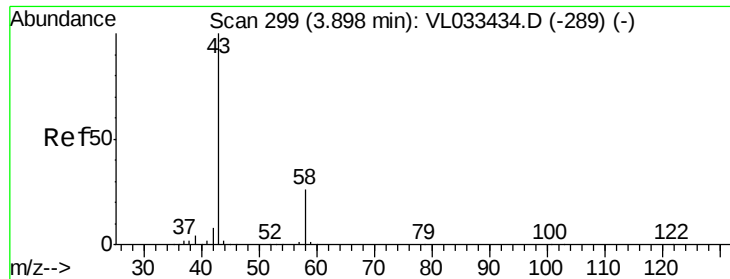
Tgt Ion: 45 Resp: 726
Ion Ratio Lower Upper
45 100
46 0.0 25.4 101.8#



#14
Bromoethene
Concen: 0.059 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

Tgt Ion: 108 Resp: 2416
Ion Ratio Lower Upper
108 100
106 140.4 86.4 129.6#
79 24.5 15.8 23.8#





#15

Acetone

Concen: 0.252 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.02 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

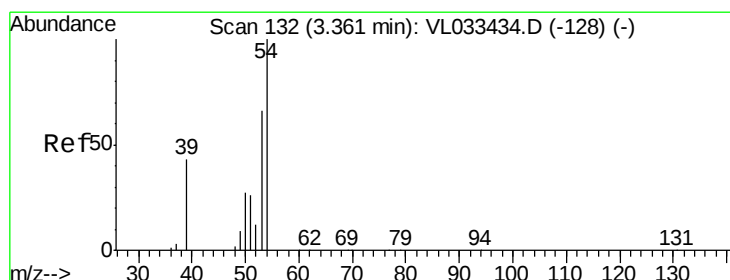
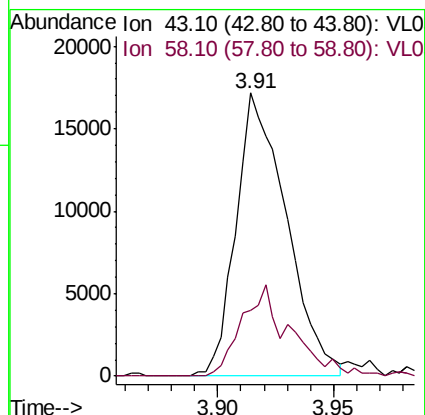
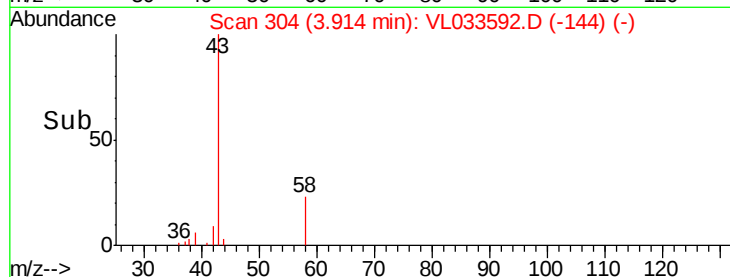
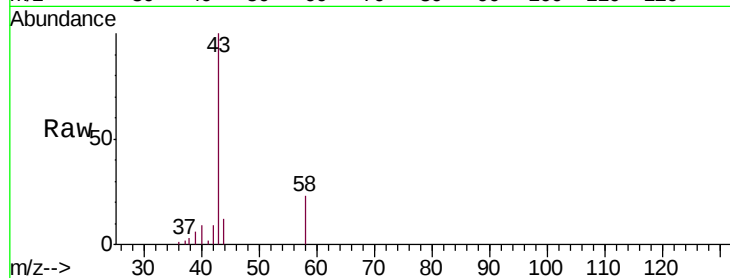
LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 25840

Ion Ratio Lower Upper

43 100

58 31.9 20.5 30.7#



#16

1,3-Butadiene

Concen: 0.054 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033592.D

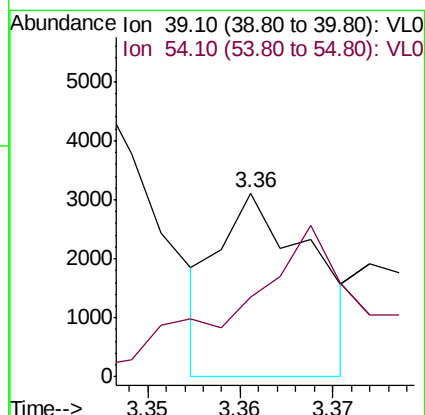
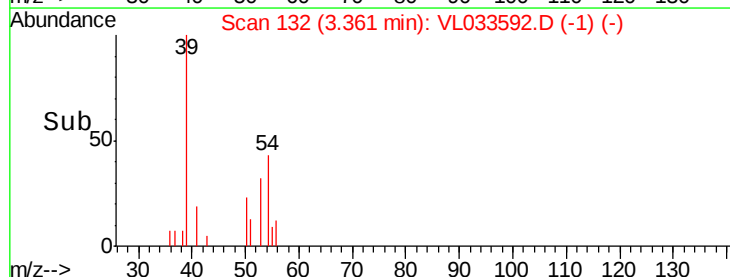
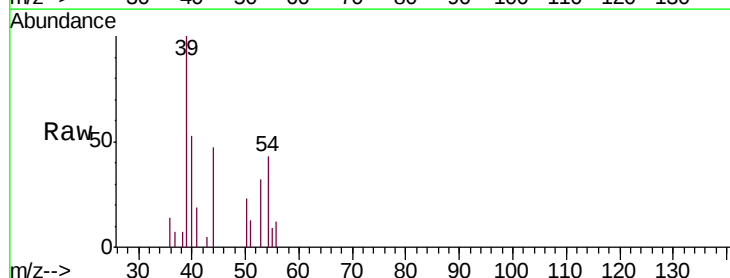
Acq: 16 Apr 2019 14:59

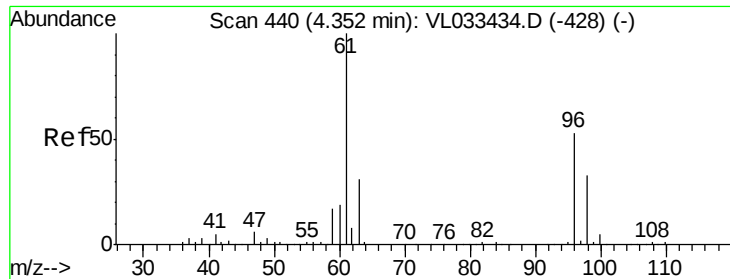
Tgt Ion: 39 Resp: 2188

Ion Ratio Lower Upper

39 100

54 0.0 69.4 104.2#





#18

1,1-Dichloroethene

Concen: 0.047 ppbv

RT: 4.34 min Scan# 438

Delta R.T. -0.01 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

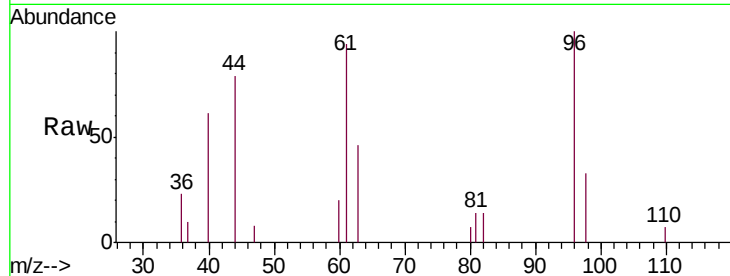
Tgt Ion: 96 Resp: 2069

Ion Ratio Lower Upper

96 100

61 80.2 149.8 224.6#

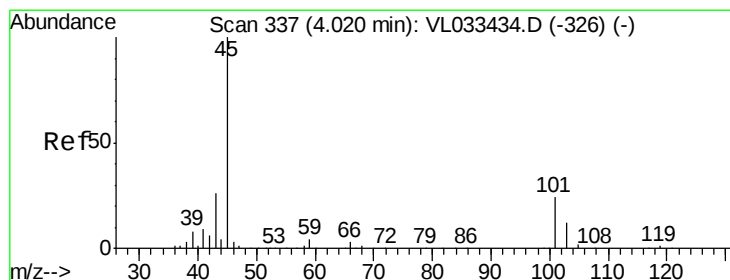
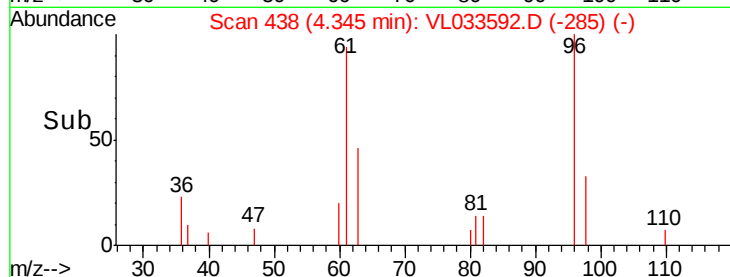
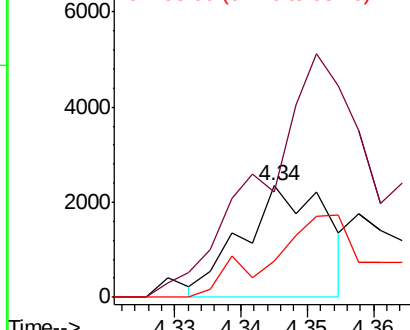
98 36.5 48.7 73.1#



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



#19

Isopropyl Alcohol

Concen: 0.058 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.03 min

Lab File: VL033592.D

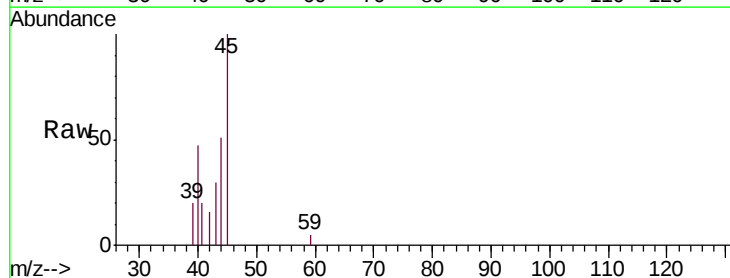
Acq: 16 Apr 2019 14:59

Tgt Ion: 45 Resp: 3766

Ion Ratio Lower Upper

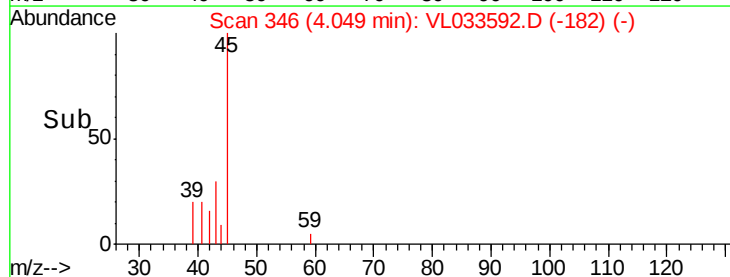
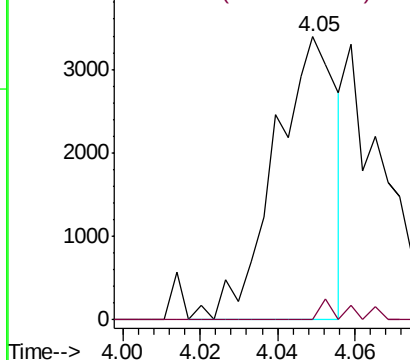
45 100

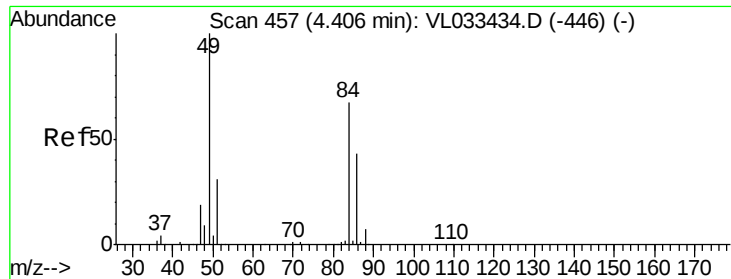
58 0.0 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

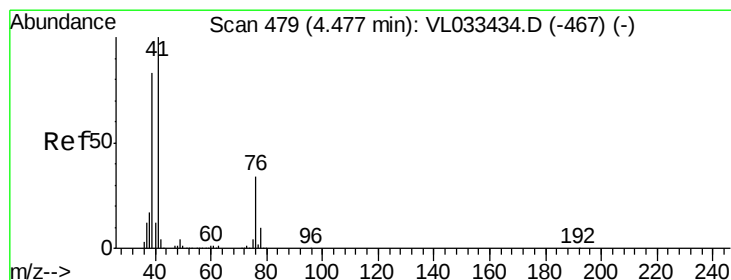
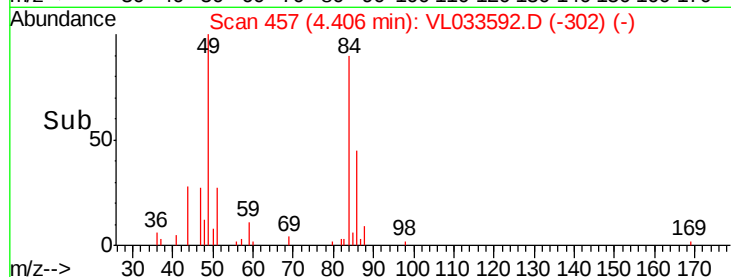
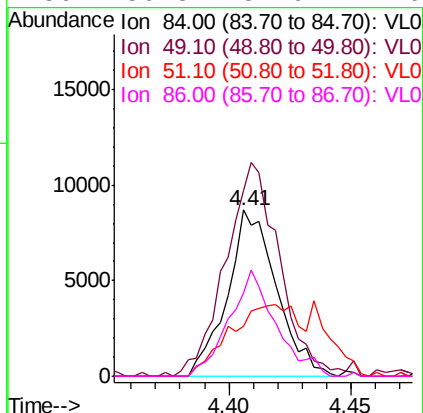
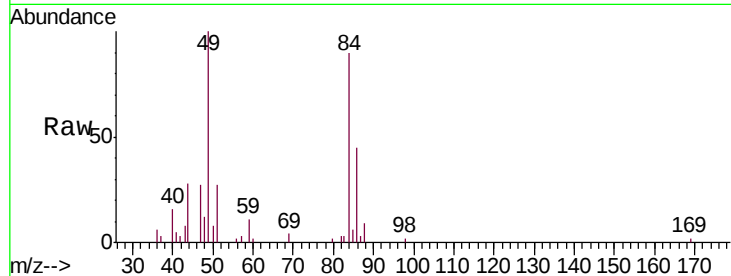




#20
Methylene Chloride
Concen: 0.280 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

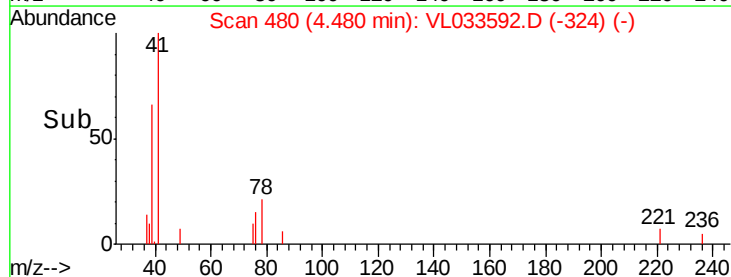
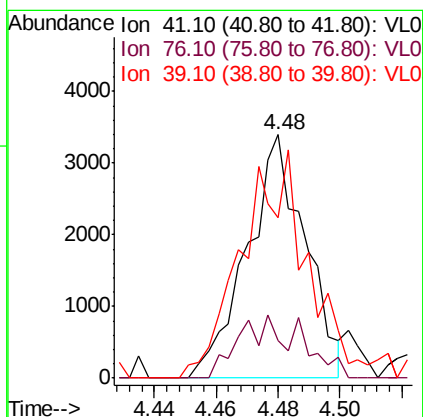
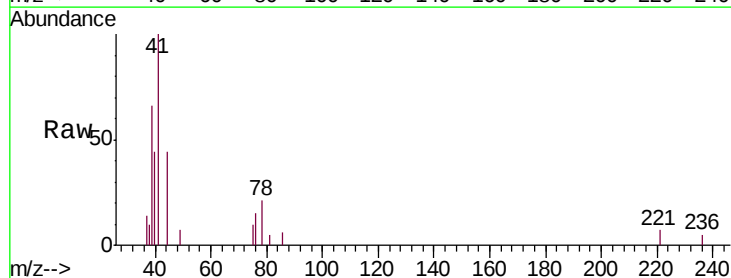
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

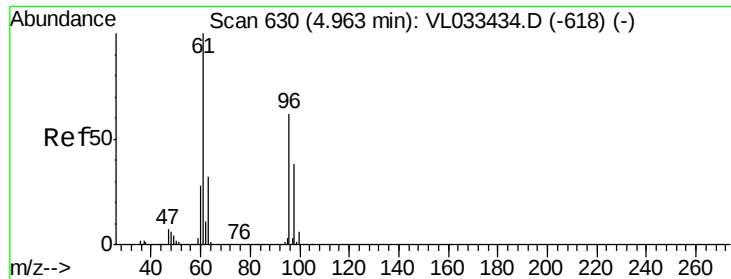
Tgt Ion: 84 Resp: 12200
Ion Ratio Lower Upper
84 100
49 106.5 120.0 180.0#
51 29.9 36.7 55.1#
86 50.3 51.9 77.9#



#21
Allyl Chloride
Concen: 0.069 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

Tgt Ion: 41 Resp: 4438
Ion Ratio Lower Upper
41 100
76 27.0 25.4 38.2
39 111.7 65.3 97.9#





#22

trans-1,2-Dichloroethene

Concen: 0.042 ppbv

RT: 4.96 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

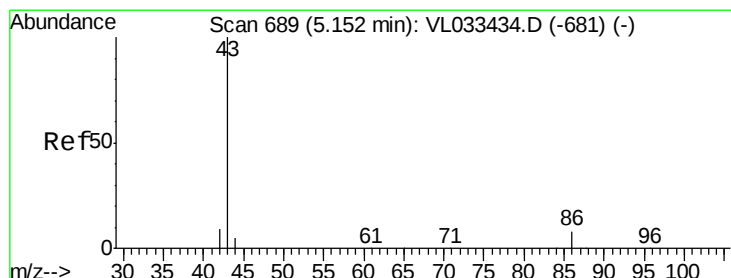
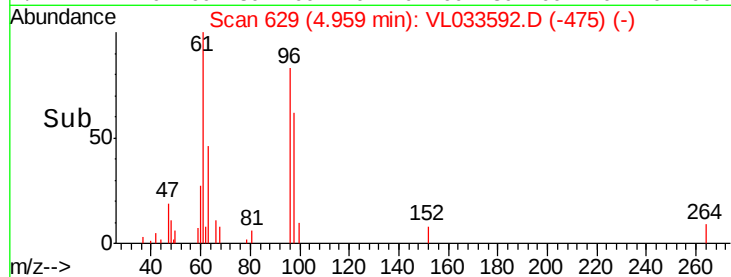
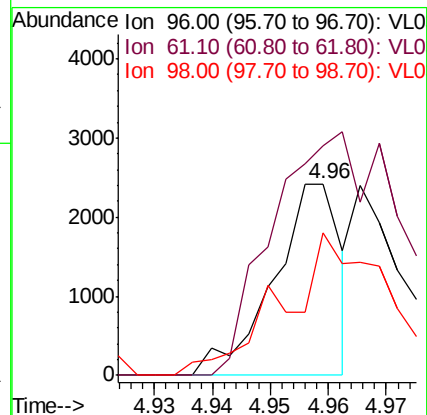
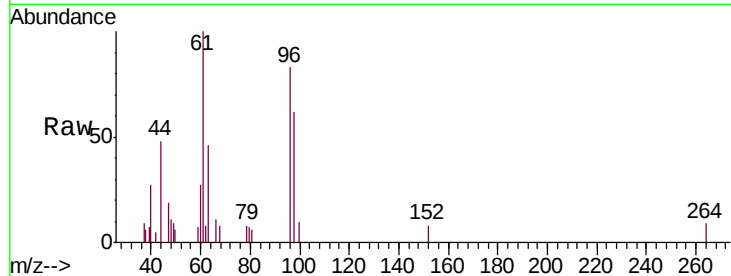
Tgt Ion: 96 Resp: 1940

Ion Ratio Lower Upper

96 100

61 120.0 128.9 193.3#

98 67.6 49.5 74.3



#23

Vinyl Acetate

Concen: 0.067 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Tgt Ion: 43 Resp: 9705

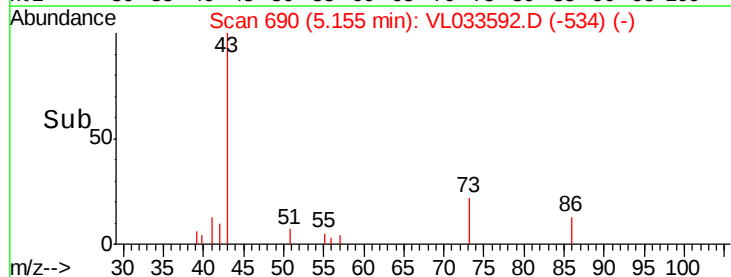
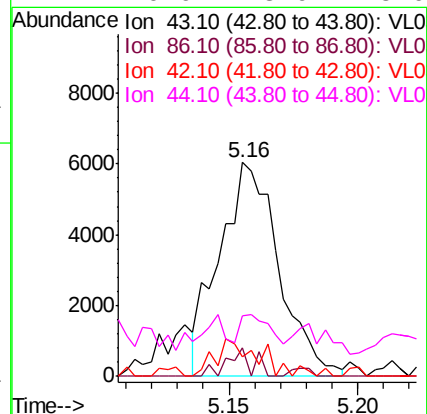
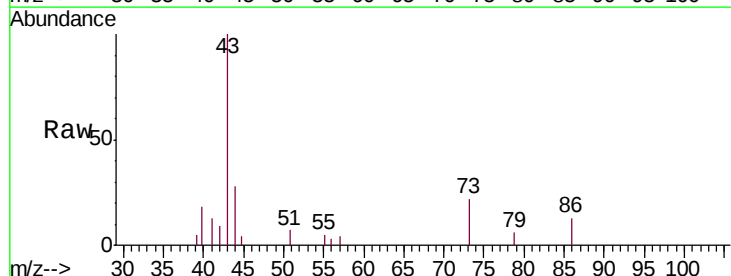
Ion Ratio Lower Upper

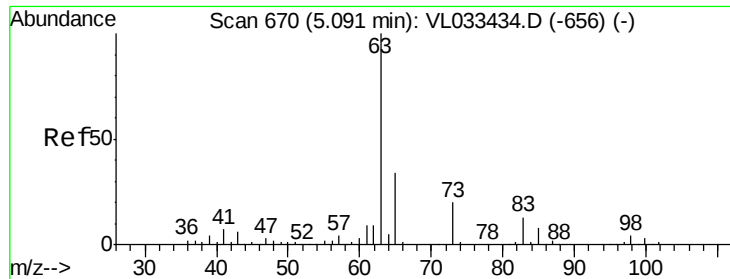
43 100

86 13.5 5.6 8.4#

42 9.6 8.0 12.0

44 16.9 3.9 5.9#





#24

1,1-Dichloroethane

Concen: 0.067 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

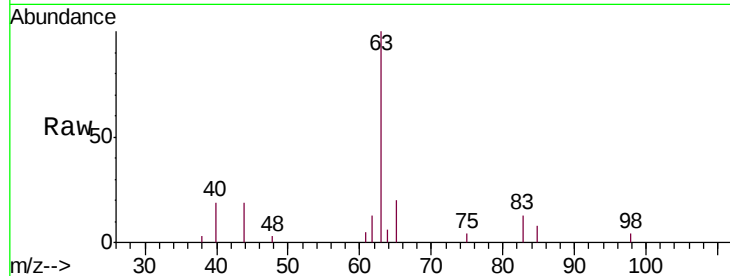
Tgt Ion: 63 Resp: 7385

Ion Ratio Lower Upper

63 100

98 3.6 2.2 6.6

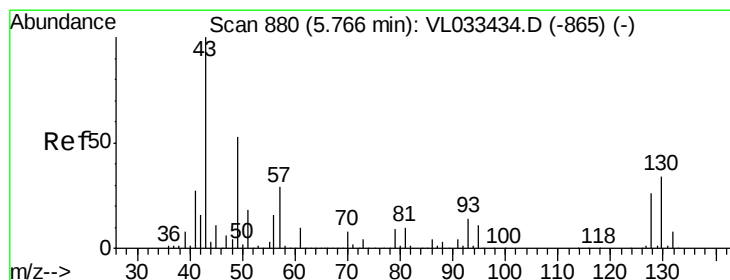
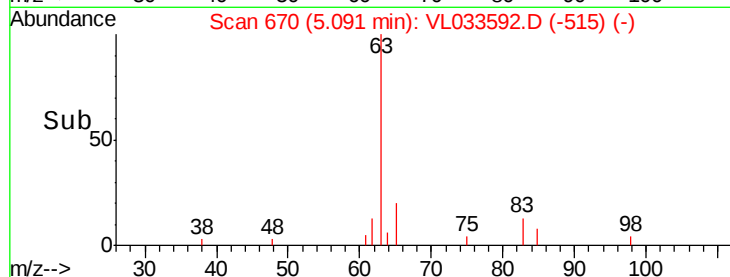
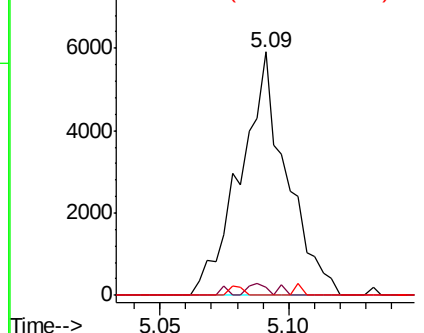
100 0.0 1.5 4.4#



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: 0.067 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.02 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Tgt Ion: 43 Resp: 12727

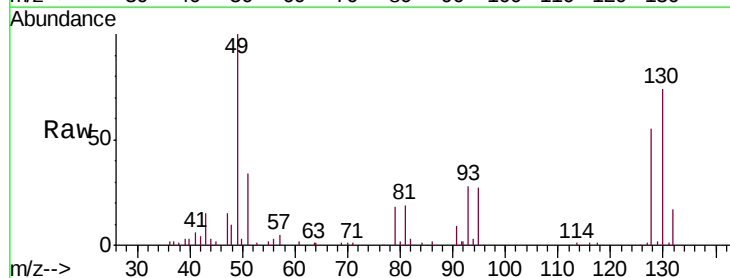
Ion Ratio Lower Upper

43 100

45 12.7 7.8 11.6#

61 8.0 7.3 10.9

70 6.9 5.6 8.4

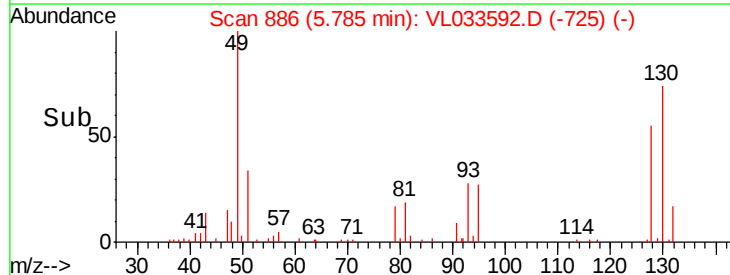
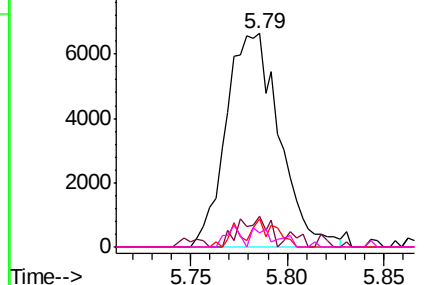


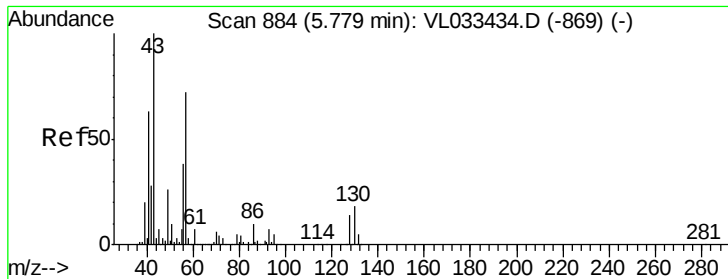
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.065 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Tgt Ion: 57 Resp: 5502

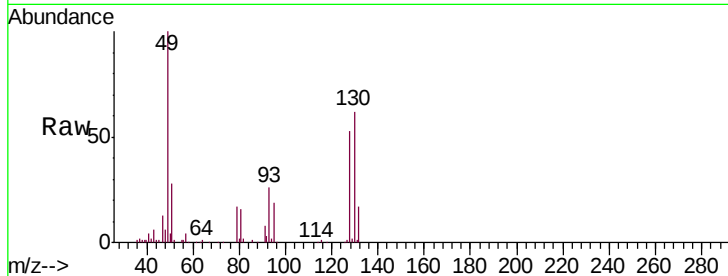
Ion Ratio Lower Upper

57 100

41 110.5 70.7 106.1#

43 233.0 182.6 274.0

56 62.5 42.0 63.0

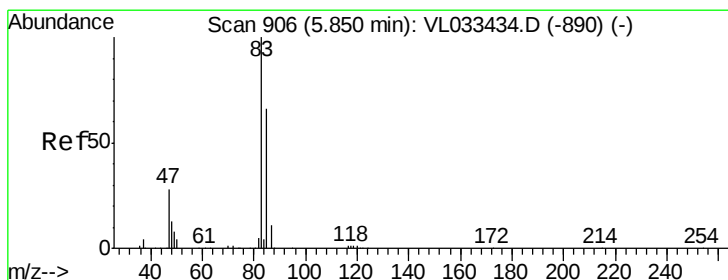
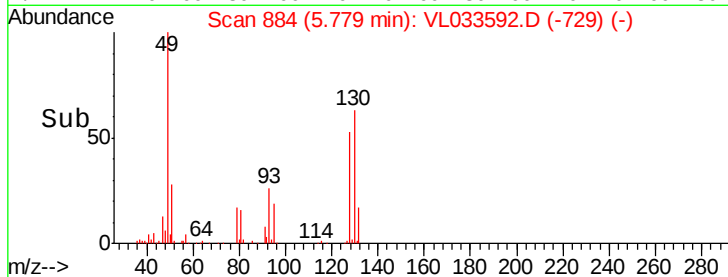
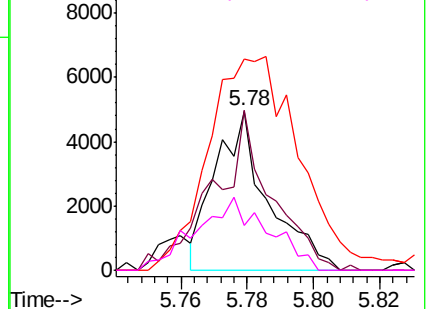


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#29

Chloroform

Concen: 0.035 ppbv

RT: 5.84 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL033592.D

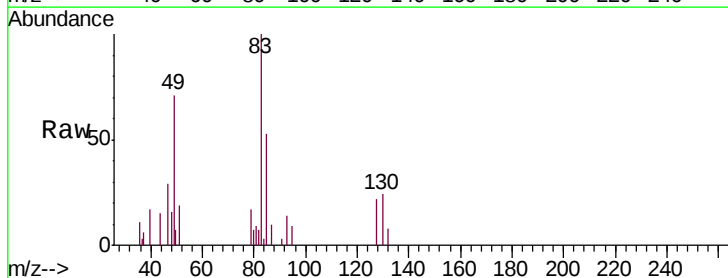
Acq: 16 Apr 2019 14:59

Tgt Ion: 83 Resp: 5107

Ion Ratio Lower Upper

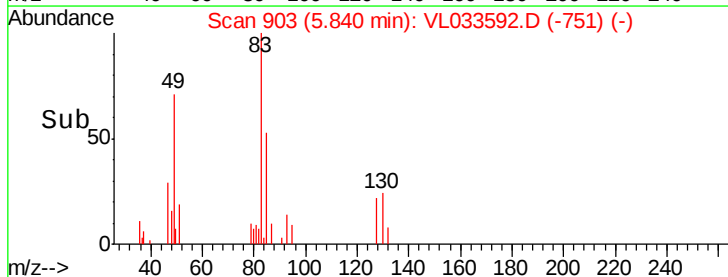
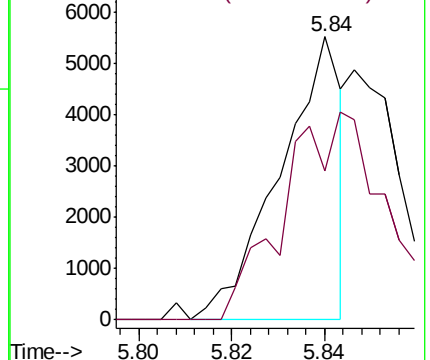
83 100

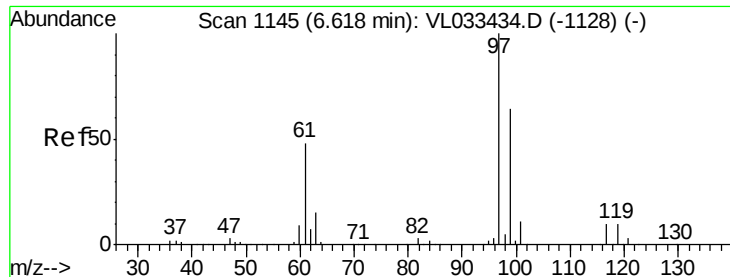
85 52.6 52.6 79.0#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





#32

1,1,1-Trichloroethane

Concen: 0.064 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

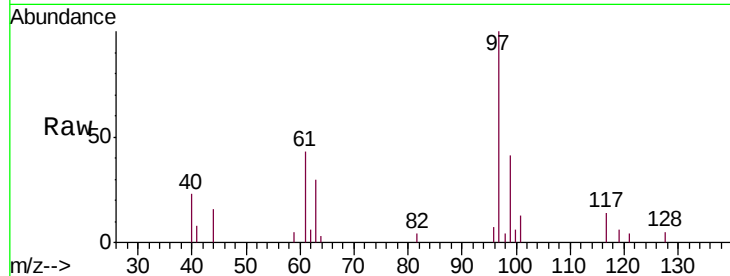
Tgt Ion: 97 Resp: 8810

Ion Ratio Lower Upper

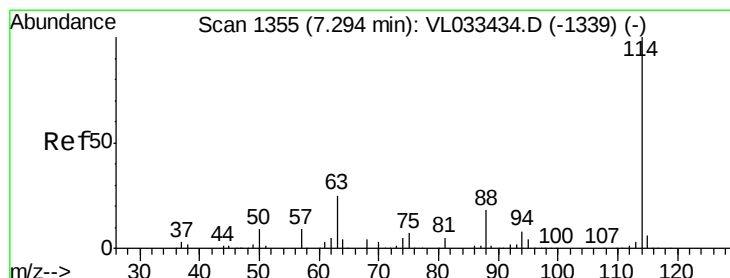
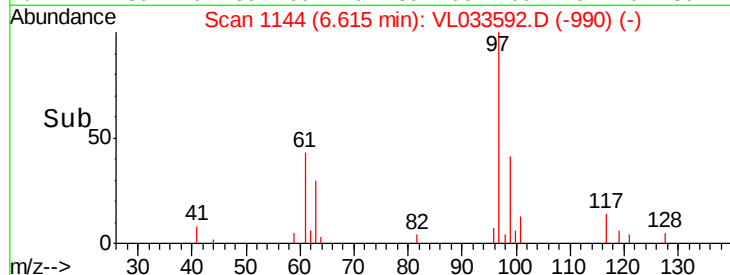
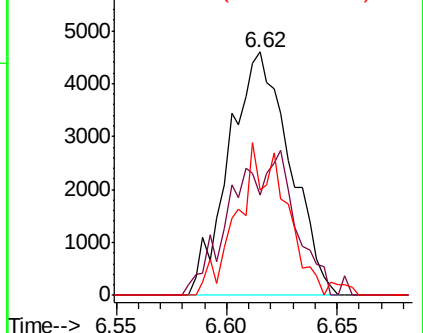
97 100

99 62.8 51.5 77.3

61 51.2 38.8 58.2



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: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

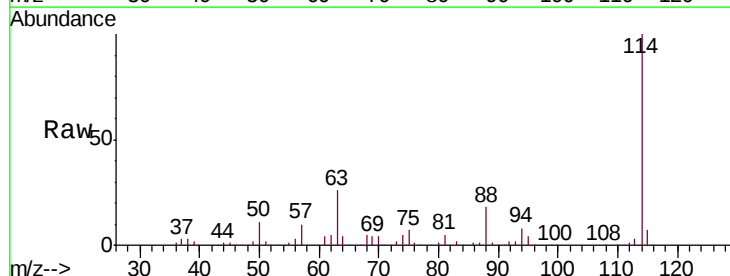
Tgt Ion: 114 Resp: 2087103

Ion Ratio Lower Upper

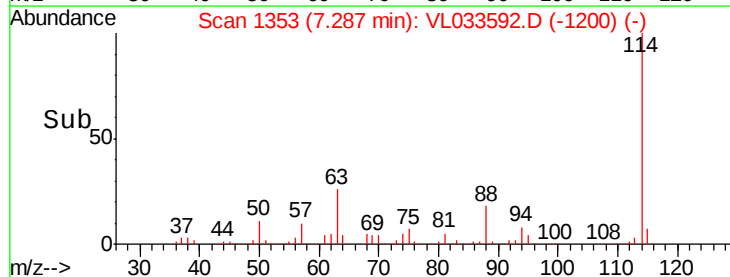
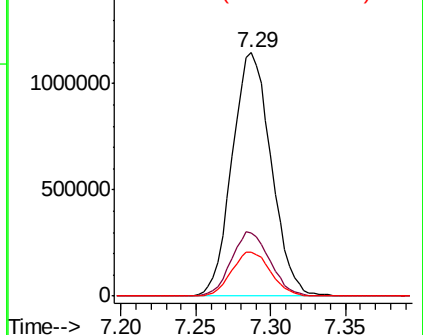
114 100

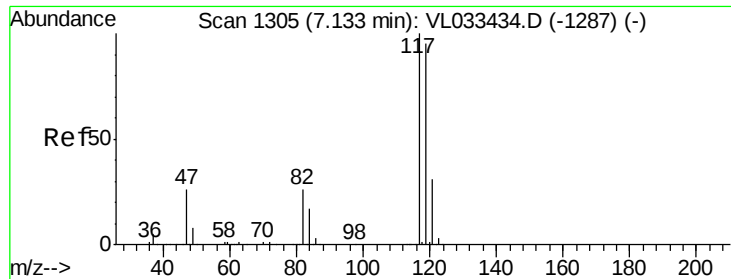
63 26.2 21.5 32.3

88 18.3 14.5 21.7



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

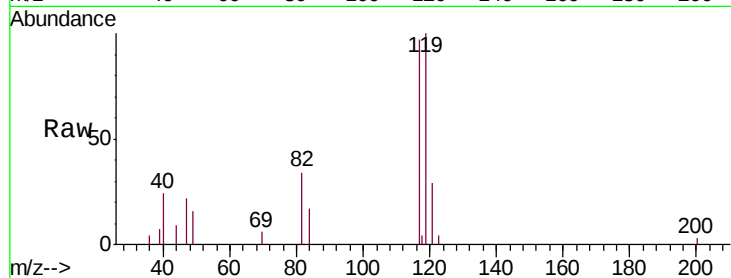




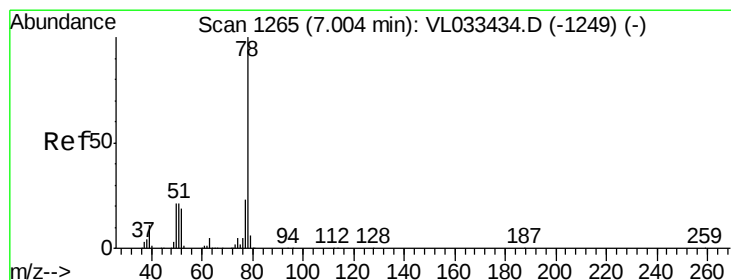
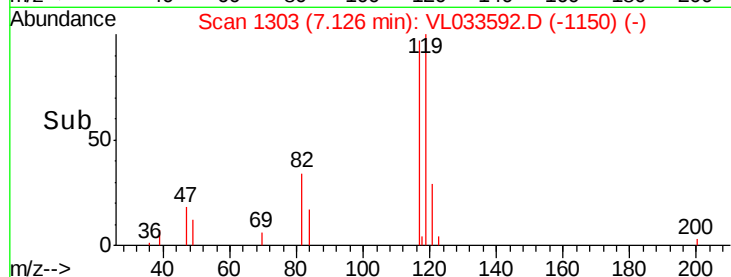
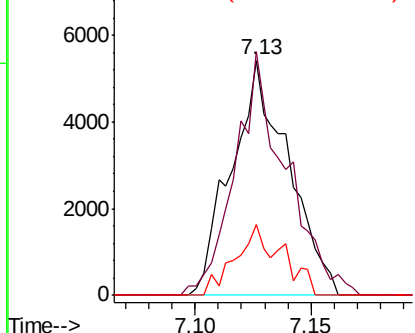
#35
Carbon Tetrachloride
Concen: 0.063 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:117 Resp: 9248
Ion Ratio Lower Upper
117 100
119 99.4 75.8 113.8
121 29.9 24.7 37.1

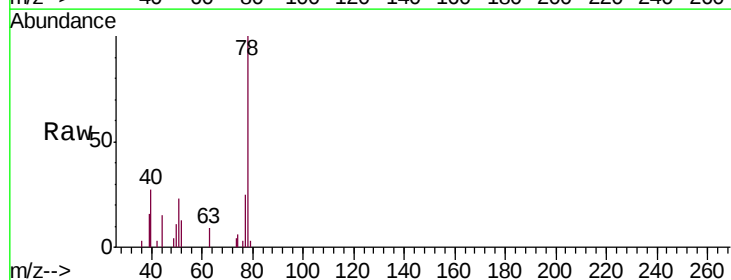


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

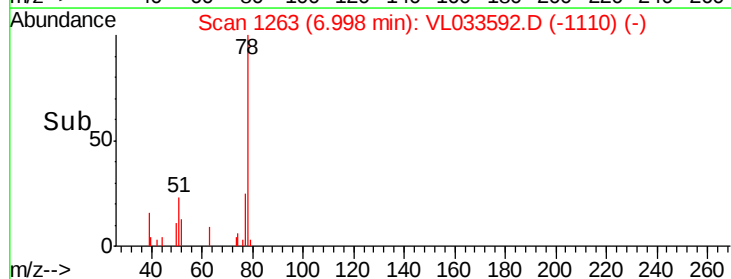
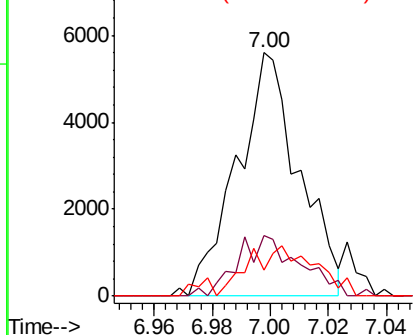


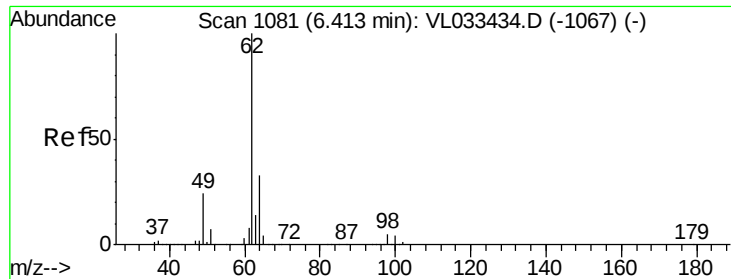
#36
Benzene
Concen: 0.047 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

Tgt Ion: 78 Resp: 8290
Ion Ratio Lower Upper
78 100
77 25.1 18.1 27.1
50 7.8 16.7 25.1#



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

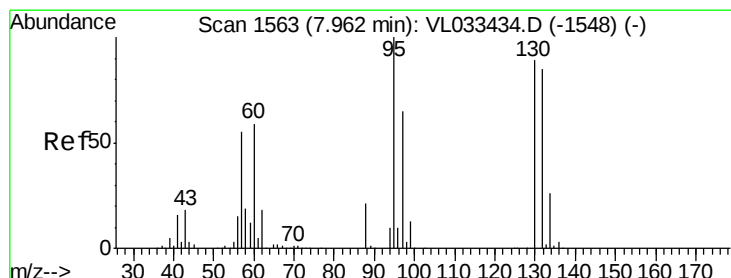
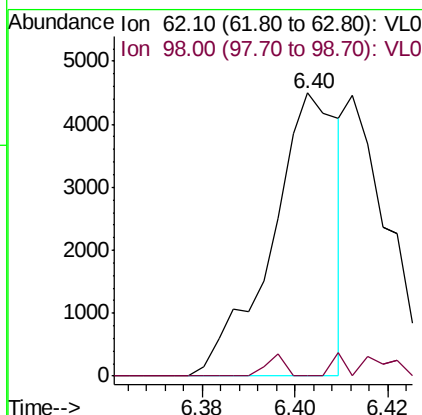
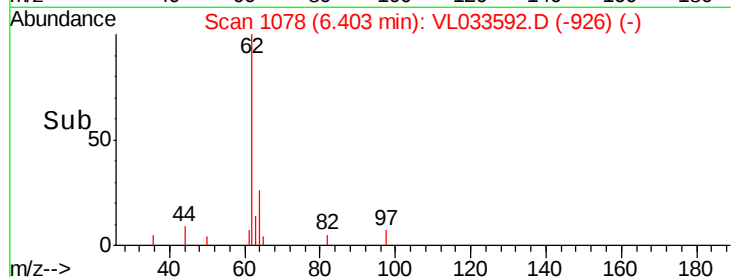
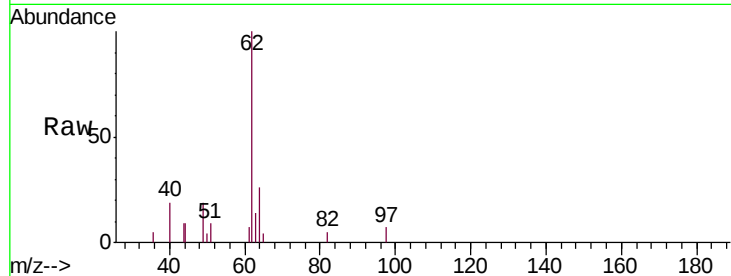




#37
 1,2-Dichloroethane
 Concen: 0.039 ppbv
 RT: 6.40 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VL033592.D
 Acq: 16 Apr 2019 14:59

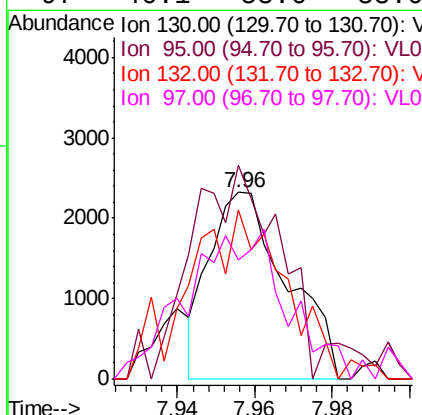
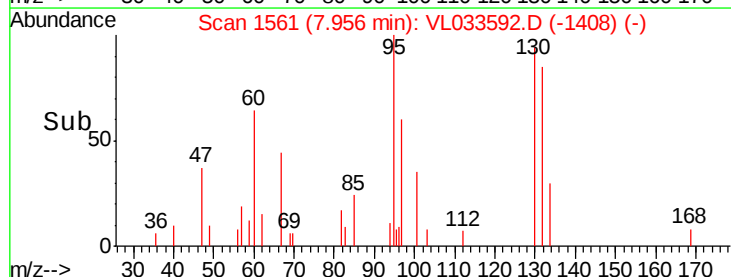
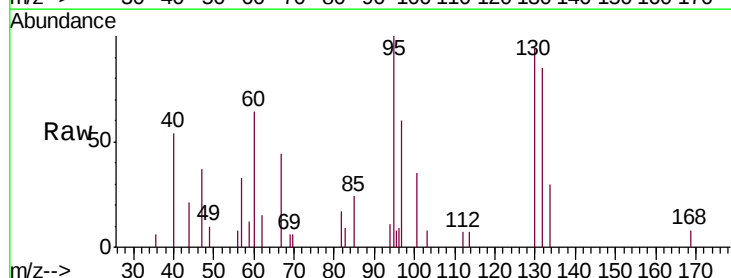
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

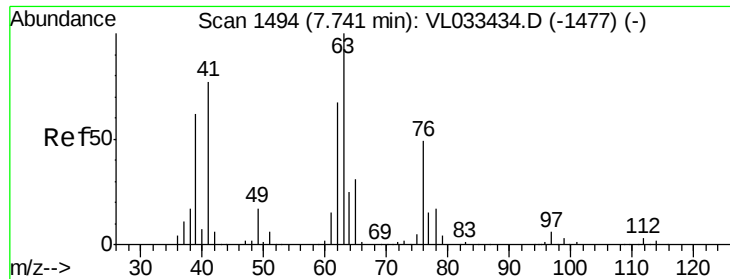
Tgt Ion: 62 Resp: 4533
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.4 6.6#



#38
 Trichloroethene
 Concen: 0.049 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033592.D
 Acq: 16 Apr 2019 14:59

Tgt Ion: 130 Resp: 3225
 Ion Ratio Lower Upper
 130 100
 95 95.2 89.8 134.8
 132 90.3 76.6 115.0
 97 46.1 58.6 88.0#

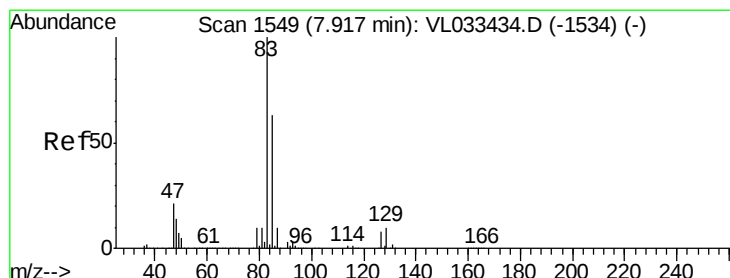
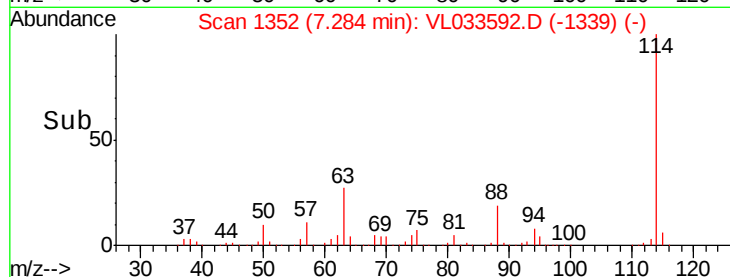
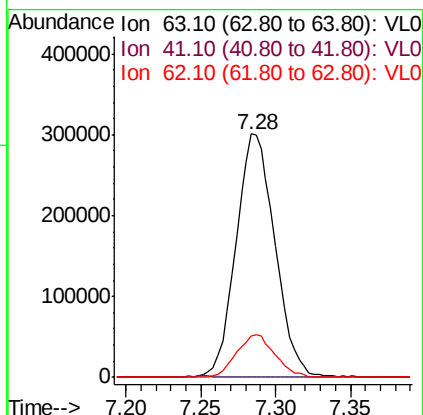
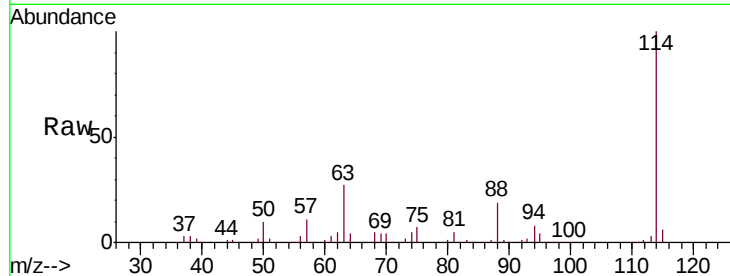




#39
 1,2-Dichloropropane
 Concen: 7.914 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL033592.D
 Acq: 16 Apr 2019 14:59

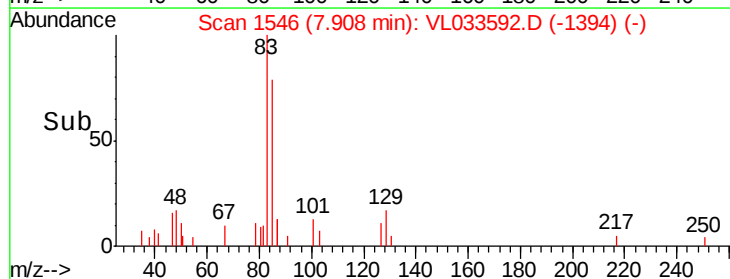
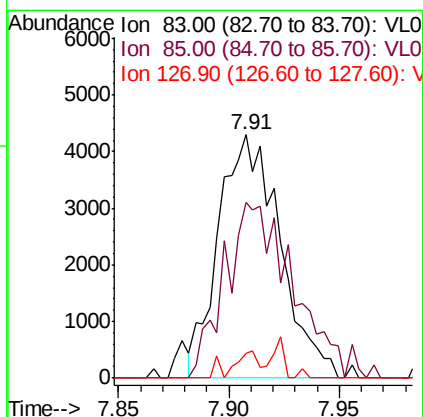
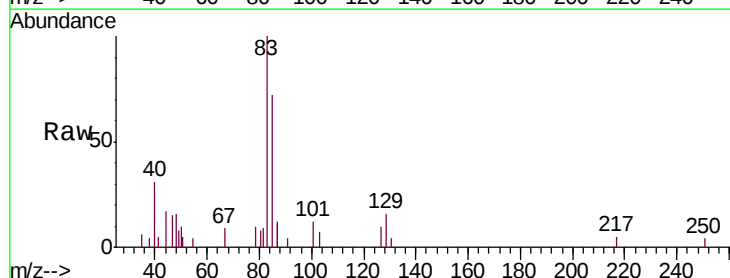
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

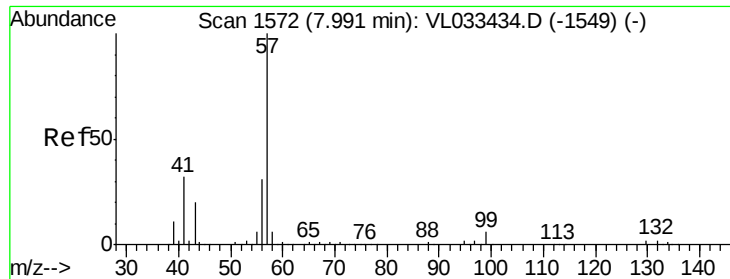
Tgt Ion: 63 Resp: 542897
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.2 91.8#
 62 16.8 54.0 81.0#



#42
 Bromodichloromethane
 Concen: 0.052 ppbv
 RT: 7.91 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: VL033592.D
 Acq: 16 Apr 2019 14:59

Tgt Ion: 83 Resp: 8298
 Ion Ratio Lower Upper
 83 100
 85 75.4 50.7 76.1
 127 10.9 6.6 9.8#





#44

2,2,4-Trimethylpentane

Concen: 0.041 ppbv

RT: 7.98 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

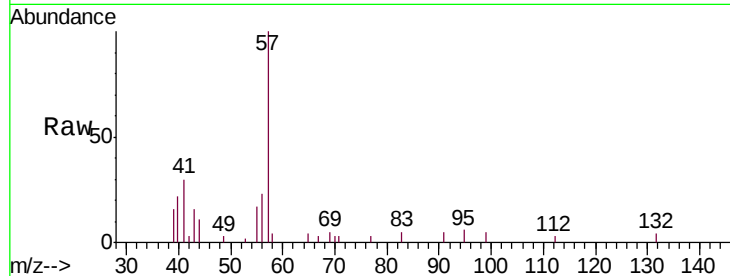
Tgt Ion: 57 Resp: 12638

Ion Ratio Lower Upper

57 100

41 44.2 26.0 39.0#

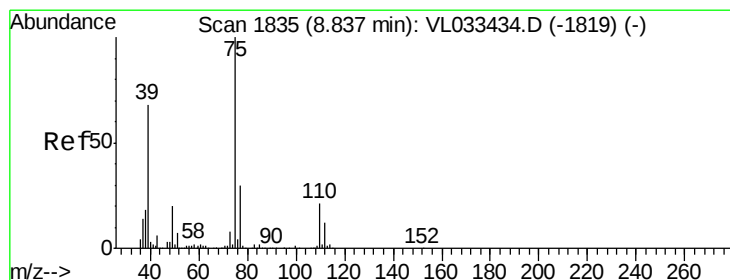
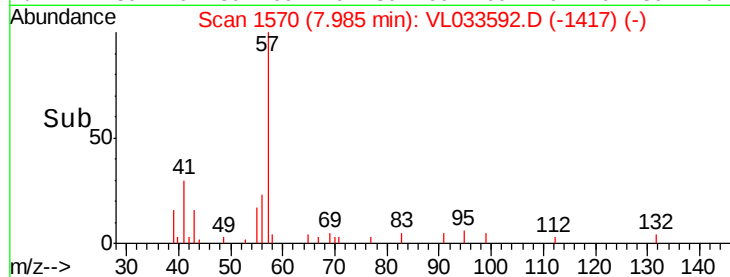
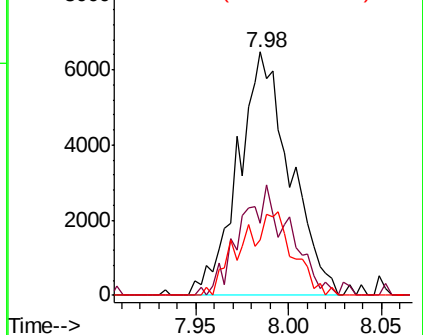
56 34.5 24.6 37.0



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.036 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.01 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

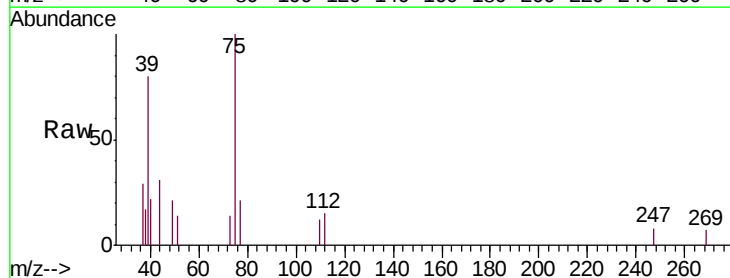
Tgt Ion: 75 Resp: 3629

Ion Ratio Lower Upper

75 100

39 70.7 54.1 81.1

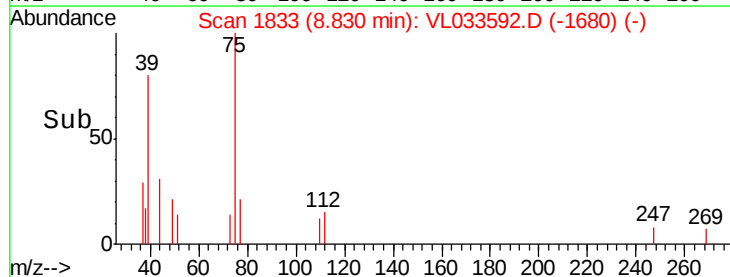
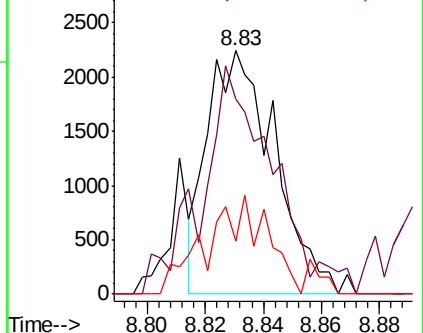
77 21.5 23.9 35.9#

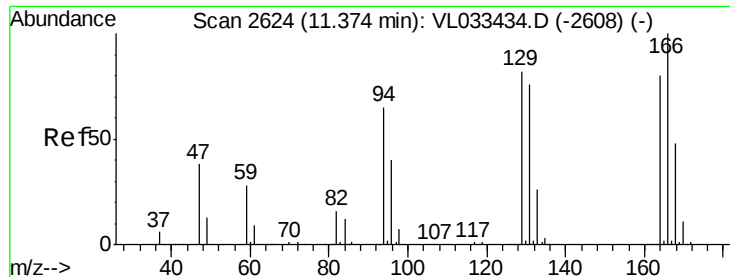


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#52

Tetrachloroethene

Concen: 0.033 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Tgt Ion:164 Resp: 2191

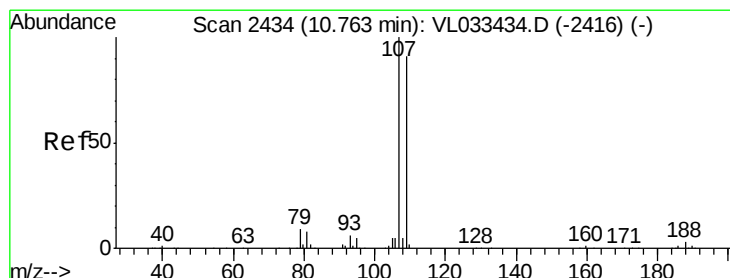
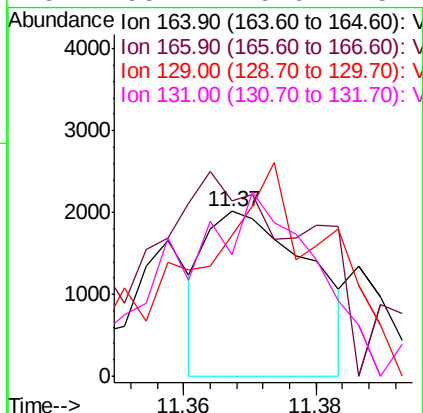
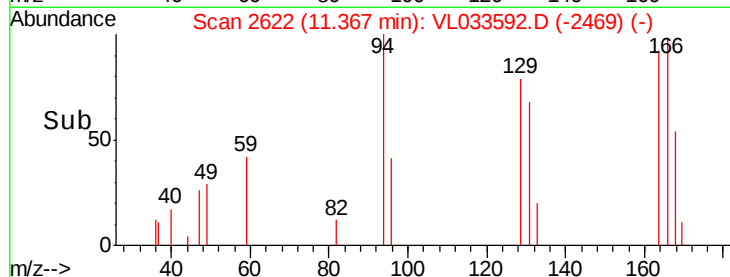
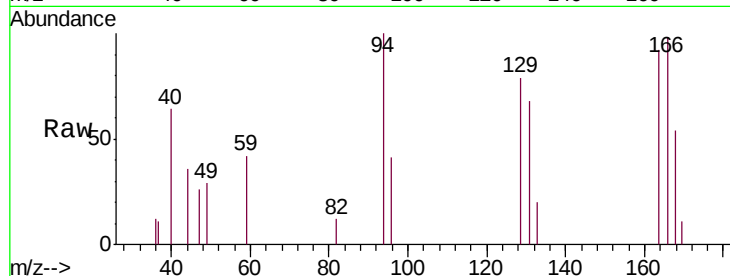
Ion Ratio Lower Upper

164 100

166 31.9 99.5 149.3#

129 44.1 81.4 122.2#

131 58.4 75.6 113.4#



#54

1,2-Dibromoethane

Concen: 0.034 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL033592.D

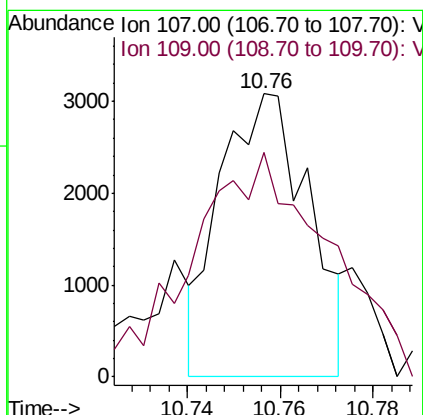
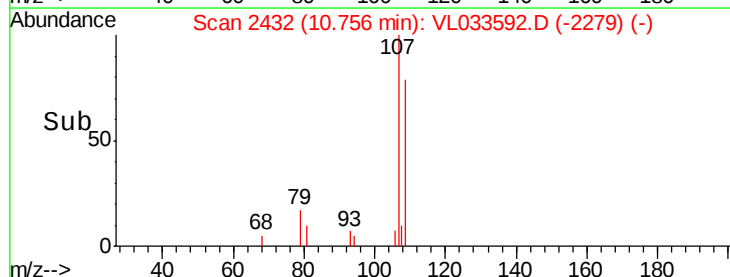
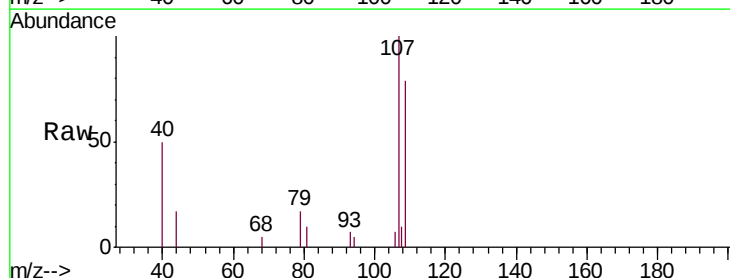
Acq: 16 Apr 2019 14:59

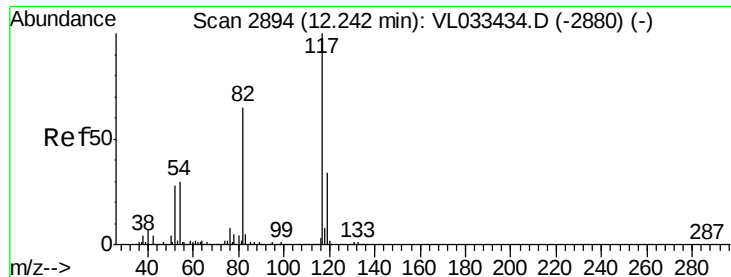
Tgt Ion:107 Resp: 4094

Ion Ratio Lower Upper

107 100

109 55.9 72.7 109.1#

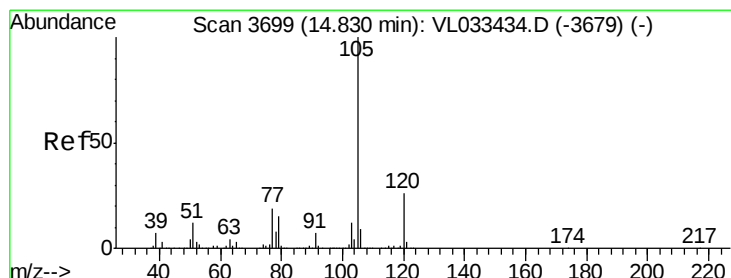
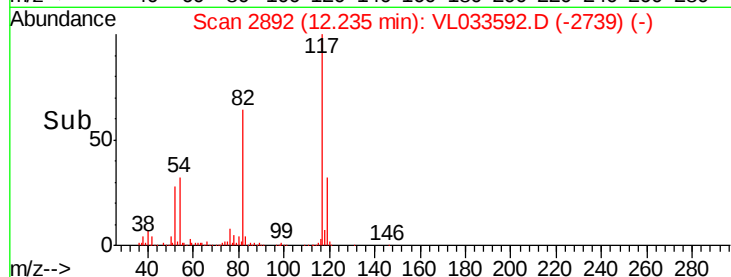
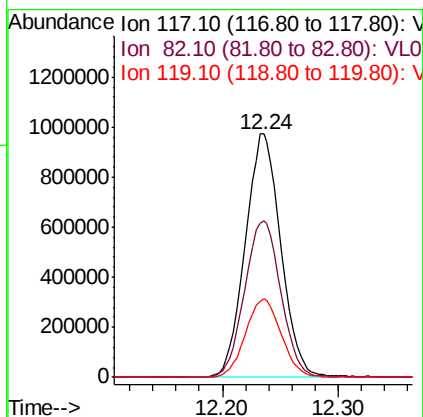
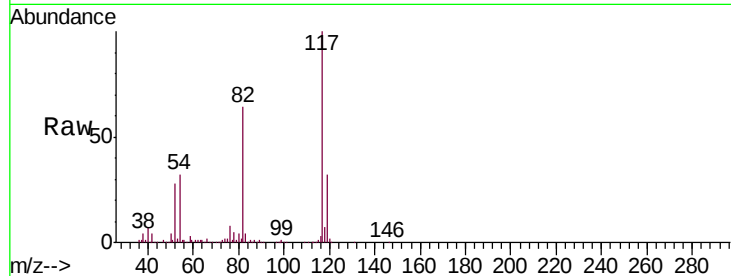




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

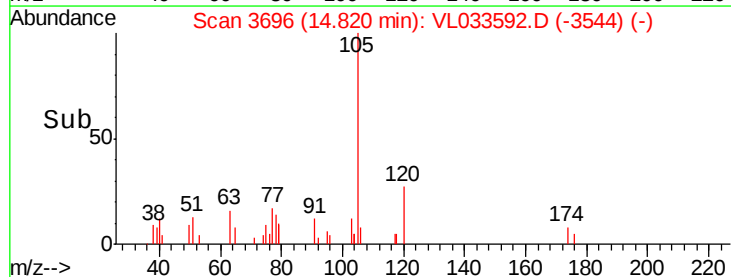
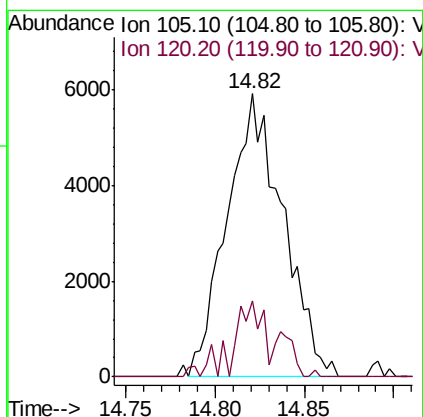
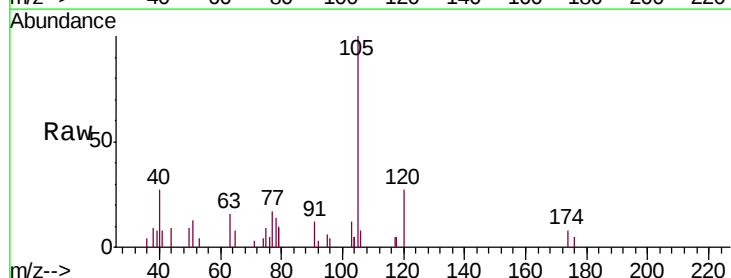
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

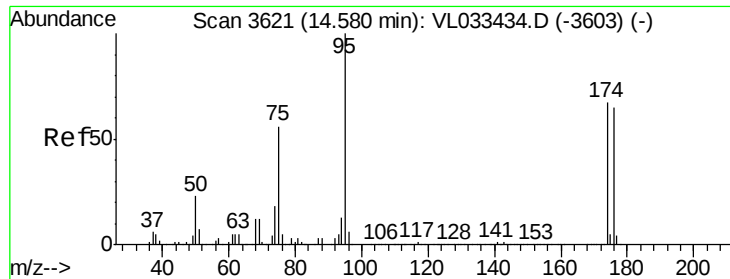
Tgt Ion:117 Resp: 2077154
Ion Ratio Lower Upper
117 100
82 66.1 51.5 77.3
119 32.7 25.5 38.3



#62
Isopropylbenzene
Concen: 0.038 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL033592.D
Acq: 16 Apr 2019 14:59

Tgt Ion:105 Resp: 12906
Ion Ratio Lower Upper
105 100
120 19.9 20.2 30.2#

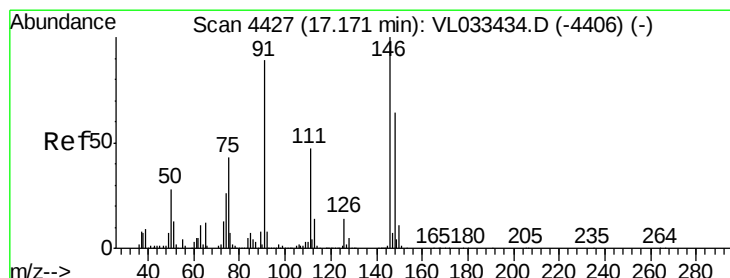
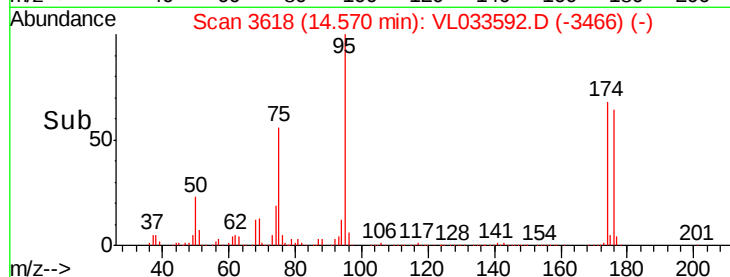
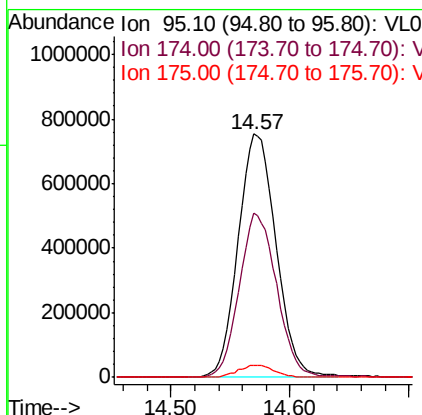
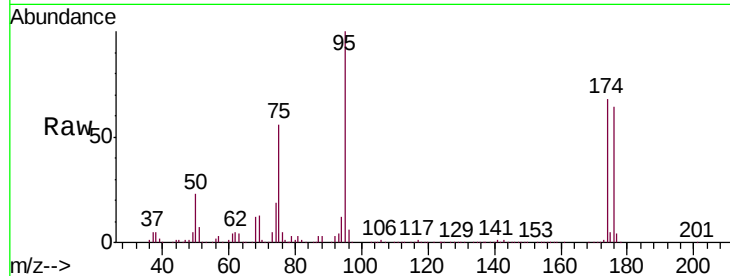




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.222 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033592.D
 Acq: 16 Apr 2019 14:59

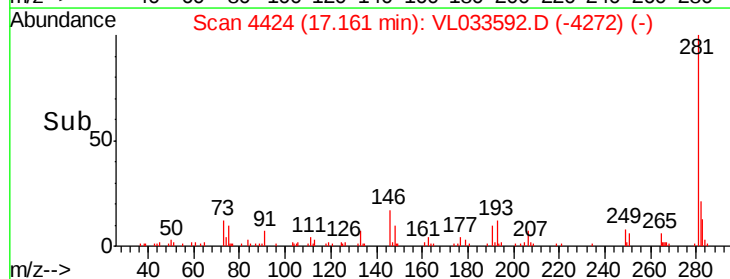
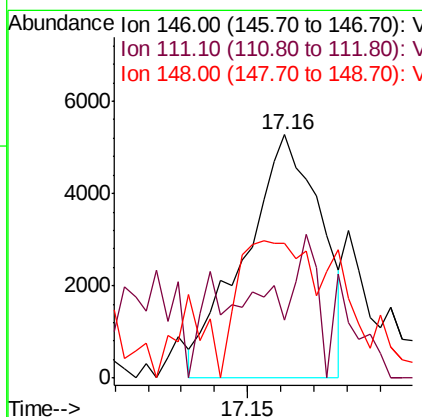
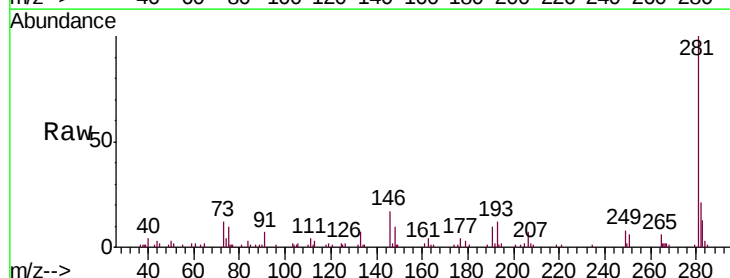
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

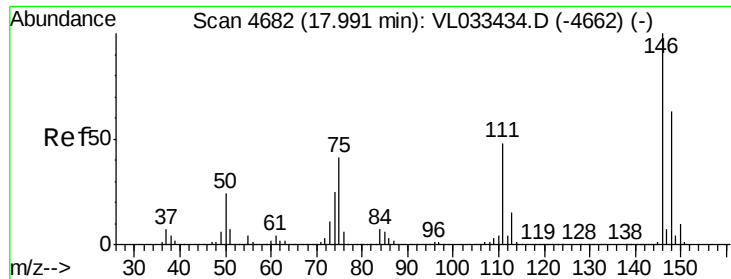
Tgt Ion: 95 Resp: 1664507
 Ion Ratio Lower Upper
 95 100
 174 67.3 52.9 79.3
 175 4.9 3.8 5.6



#75
 1,3-Dichlorobenzene
 Concen: 0.050 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.01 min
 Lab File: VL033592.D
 Acq: 16 Apr 2019 14:59

Tgt Ion: 146 Resp: 8476
 Ion Ratio Lower Upper
 146 100
 111 69.5 22.9 68.8#
 148 105.3 32.0 96.2#





#77

1,2-Dichlorobenzene

Concen: 0.031 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

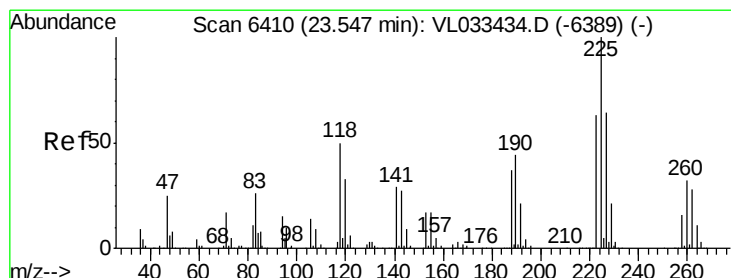
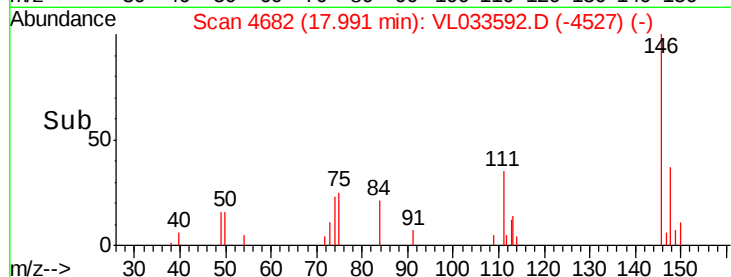
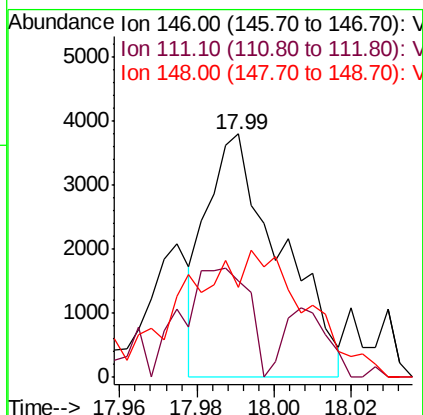
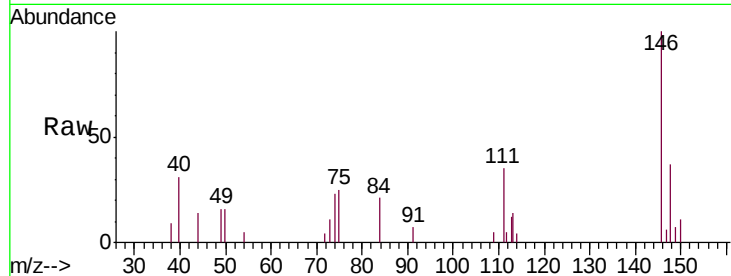
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Tgt Ion:	146	Resp:	5048
Ion	Ratio	Lower	Upper
146	100		
111	62.3	23.5	70.5
148	92.2	32.0	96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.045 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. -0.01 min

Lab File: VL033592.D

Acq: 16 Apr 2019 14:59

Tgt Ion:	225	Resp:	4872
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.0	75.0#
227	0.0	51.1	76.7#

