

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032690.D
 Acq On : 24 Oct 2018 16:48
 Operator : SY/AP
 Sample : J5164-14 0.06 LOQ
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

Quant Time: Oct 25 05:25:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1535453	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3549911	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3491085	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2596490	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	16446	0.105	ppbv	96
3) Chlorodifluoromethane	3.02	51	8882	0.074	ppbv	99
4) Chloromethane	3.18	50	5527	0.082	ppbv #	80
5) Vinyl Chloride	3.30	62	3148	0.043	ppbv #	44
6) Bromomethane	3.53	94	2102	0.046	ppbv	99
7) Chloroethane	3.61	64	481	0.018	ppbv #	65
8) Dichlorotetrafluoroethane	3.23	85	13213	0.080	ppbv	91
9) Propene	3.41	41	208	0.004	ppbv	91
10) Heptane	8.26	43	3662	0.019	ppbv #	2
11) Trichlorofluoromethane	4.02	101	13592	0.067	ppbv #	81
12) 1,1,2-Trichlorotrifluoroet	4.57	101	11380	0.067	ppbv	87
13) Ethanol	3.64	45	64	0.005	ppbv #	1
14) Bromoethene	3.80	108	2288	0.040	ppbv #	1
15) Acetone	3.95	43	23955	0.169	ppbv #	84
16) 1,3-Butadiene	3.37	39	1616	0.031	ppbv #	1
17) tert-Butyl alcohol	4.38	59	173	0.004	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	3356	0.045	ppbv #	73
19) Isopropyl Alcohol	3.99	45	122	0.001	ppbv #	93
20) Methylene Chloride	4.42	84	10676	0.148	ppbv	87
21) Allyl Chloride	4.49	41	4142	0.036	ppbv #	21
22) trans-1,2-Dichloroethene	4.98	96	3741	0.049	ppbv #	63
23) Vinyl Acetate	5.16	43	1855	0.007	ppbv #	87
24) 1,1-Dichloroethane	5.10	63	15245	0.077	ppbv #	98
25) Ethyl Acetate	5.79	43	5959	0.018	ppbv #	75
26) Hexane	5.79	57	9883	0.064	ppbv #	82
27) Carbon Disulfide	4.63	76	10537	0.056	ppbv #	1
28) Methyl tert-Butyl Ether	5.16	73	13493	0.061	ppbv #	86
29) Chloroform	5.86	83	19755	0.080	ppbv	93
30) Cyclohexane	7.26	84	1856	0.015	ppbv #	1
31) cis-1,2-Dichloroethene	5.65	61	6845	0.048	ppbv	95
32) 1,1,1-Trichloroethane	6.63	97	8601	0.034	ppbv #	22
34) 2-Butanone	5.34	43	159	0.001	ppbv #	52
35) Carbon Tetrachloride	7.14	117	9337	0.037	ppbv #	78
36) Benzene	7.02	78	12575	0.044	ppbv #	77
37) 1,2-Dichloroethane	6.43	62	8266	0.047	ppbv #	84
38) Trichloroethene	7.97	130	4105	0.038	ppbv	92
39) 1,2-Dichloropropane	7.30	63	878067	7.888	ppbv #	26
40) 1,4-Dioxane	7.95	88	108	0.003	ppbv #	80
41) Tetrahydrofuran	6.20	42	1751	0.017	ppbv #	41
42) Bromodichloromethane	7.92	83	7988	0.032	ppbv #	81
43) Methyl Methacrylate	8.15	69	798	0.008	ppbv #	1

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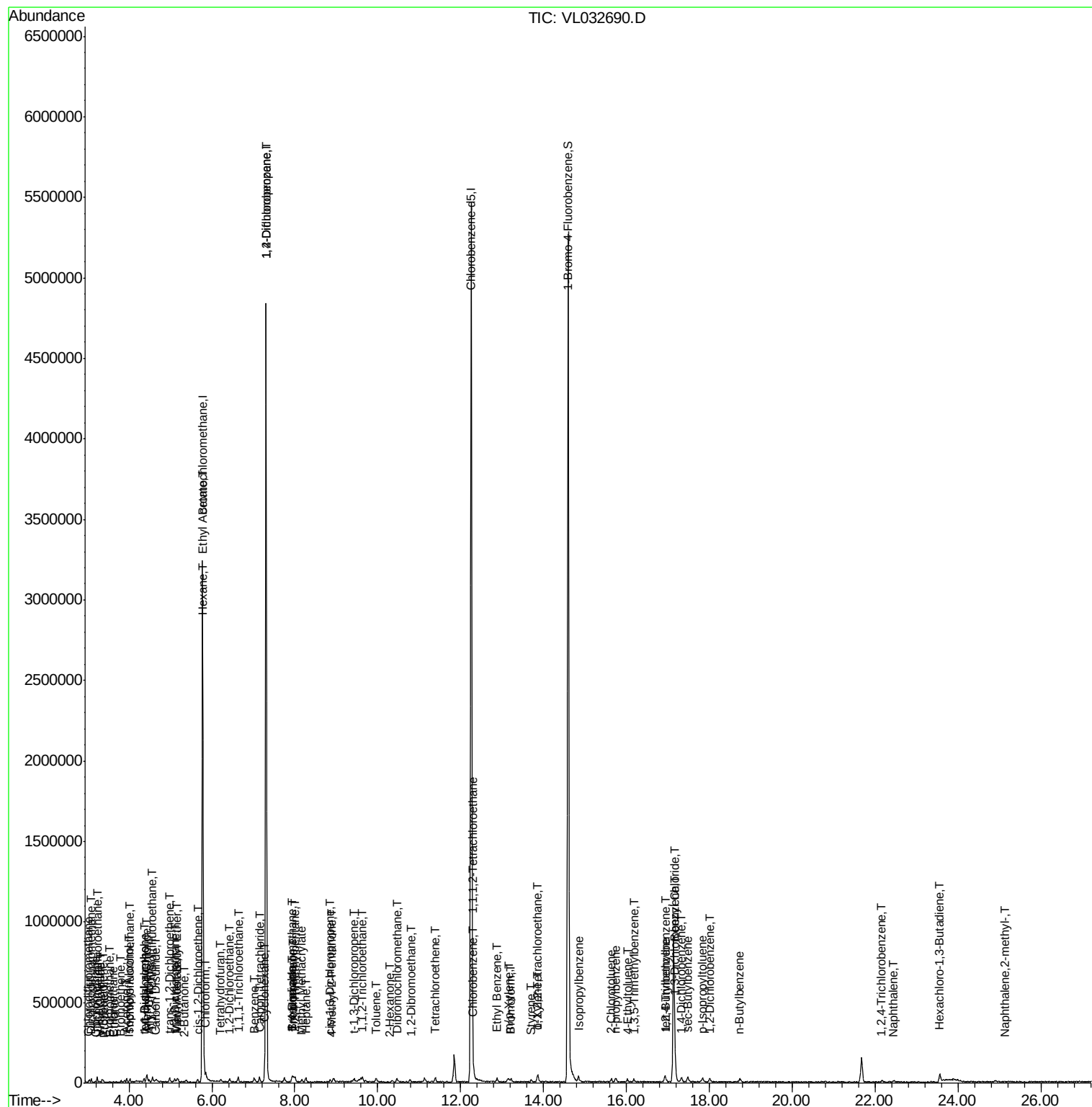
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	6097	0.012	ppbv #	44
45) t-1,3-Dichloropropene	9.42	75	2308	0.016	ppbv	93
46) cis-1,3-Dichloropropene	8.85	75	5796	0.036	ppbv #	66
47) 1,1,2-Trichloroethane	9.63	97	7211	0.055	ppbv #	81
48) Dibromochloromethane	10.47	129	2848	0.013	ppbv #	1
49) Bromoform	13.21	173	6031	0.035	ppbv #	56
50) 4-Methyl-2-Pentanone	8.89	43	166	0.001	ppbv #	38
51) 2-Hexanone	10.29	43	64	0.000	ppbv #	28
52) Tetrachloroethene	11.39	164	4098	0.041	ppbv #	61
53) Toluene	9.96	91	3067	0.009	ppbv #	1
54) 1,2-Dibromoethane	10.80	107	441	0.002	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	7410	0.049	ppbv #	27
57) Chlorobenzene	12.31	112	4890	0.019	ppbv #	41
58) Ethyl Benzene	12.88	91	11307	0.028	ppbv	94
59) m/p-Xylene	13.16	91	5342	0.015	ppbv #	1
60) o-Xylene	13.86	91	4333	0.012	ppbv #	32
61) Styrene	13.70	104	3374	0.014	ppbv #	27
62) Isopropylbenzene	14.85	105	21635	0.044	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.86	83	6047	0.022	ppbv #	1
64) n-propylbenzene	15.73	120	1361	0.011	ppbv #	1
65) tert-Butylbenzene	16.92	119	3565	0.008	ppbv #	8
66) Benzyl Chloride	17.16	91	1510	0.007	ppbv #	66
67) sec-Butylbenzene	17.47	105	4337	0.007	ppbv #	60
69) p-Isopropyltoluene	17.83	119	8588	0.018	ppbv #	58
70) n-Butylbenzene	18.72	91	6826	0.014	ppbv #	33
71) 2-Chlorotoluene	15.63	91	6537	0.019	ppbv #	19
72) 4-Ethyltoluene	16.01	105	5402	0.015	ppbv #	47
73) 1,3,5-Trimethylbenzene	16.17	105	6321	0.017	ppbv #	72
74) 1,2,4-Trimethylbenzene	16.95	105	5162	0.013	ppbv #	58
75) 1,3-Dichlorobenzene	17.18	146	4512	0.020	ppbv #	23
76) 1,4-Dichlorobenzene	17.32	146	5005	0.024	ppbv #	19
77) 1,2-Dichlorobenzene	18.00	146	5366	0.026	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.55	225	5559	0.056	ppbv #	19
79) Naphthalene	22.42	128	1470	0.006	ppbv #	74
80) Naphthalene,2-methyl-	25.13	142	690	0.012	ppbv #	82
81) 1,2,4-Trichlorobenzene	22.15	180	881	0.007	ppbv #	12

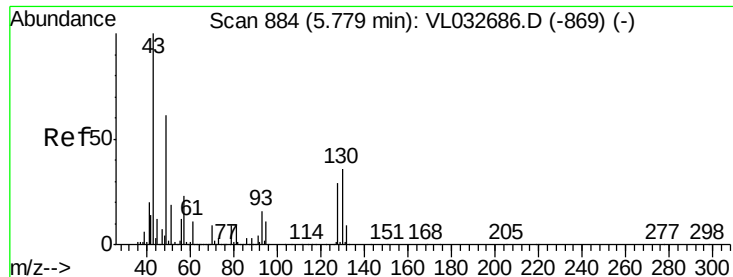
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

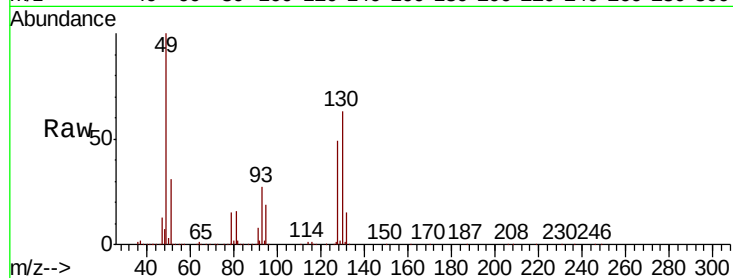
Tgt Ion: 49 Resp: 1535453

Ion Ratio Lower Upper

49 100

128 49.3 22.3 66.8

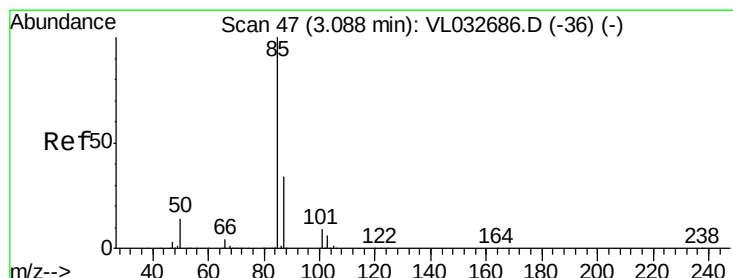
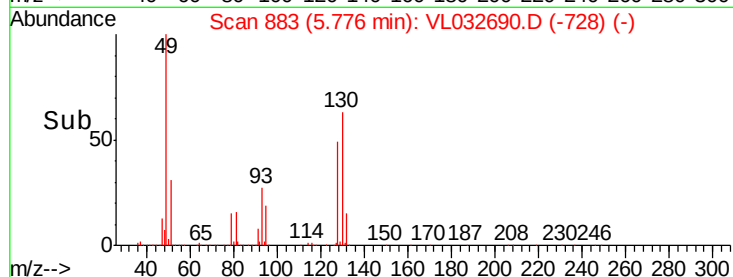
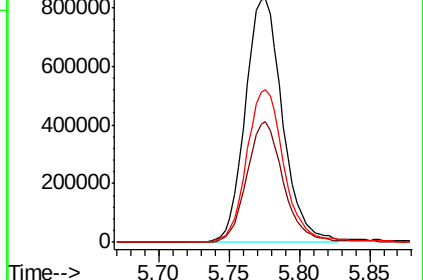
130 63.6 28.4 85.3



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: 0.105 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032690.D

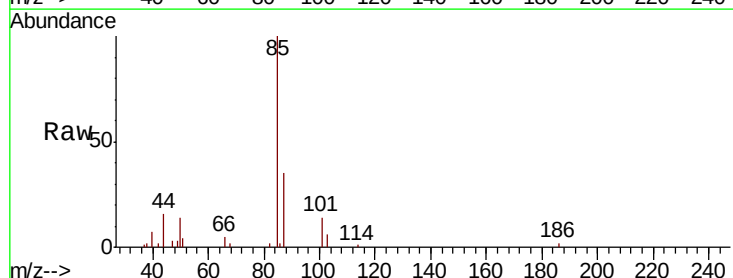
Acq: 24 Oct 2018 16:48

Tgt Ion: 85 Resp: 16446

Ion Ratio Lower Upper

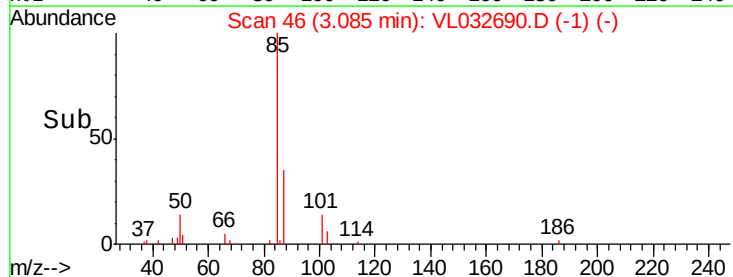
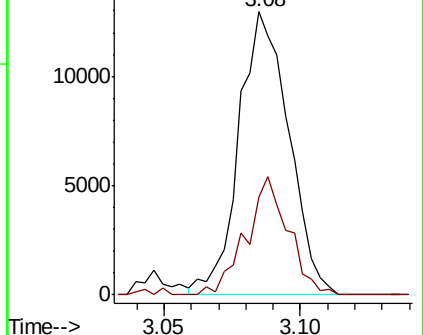
85 100

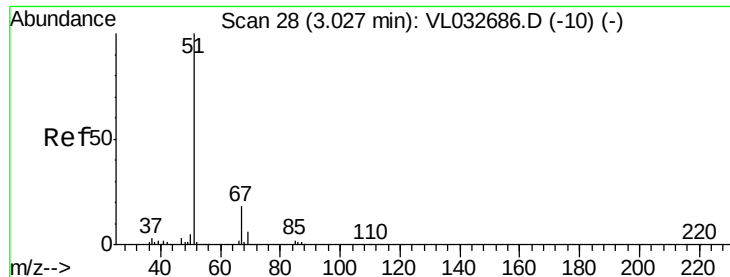
87 34.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.074 ppbv

RT: 3.02 min Scan# 27

Delta R.T. 0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

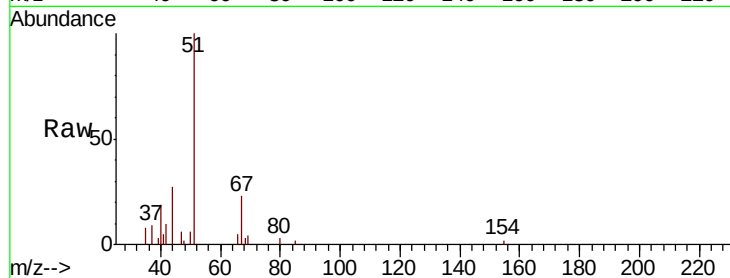
LOQ-AIR-02-QT4-2018

Tgt Ion: 51 Resp: 8882

Ion Ratio Lower Upper

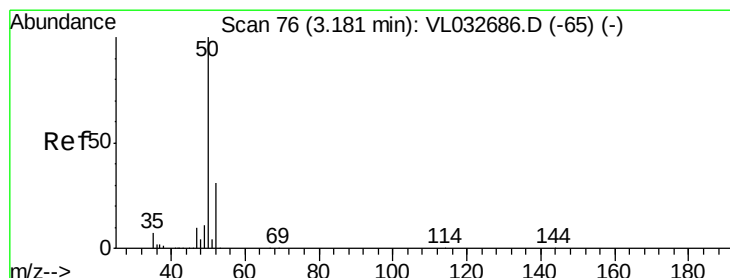
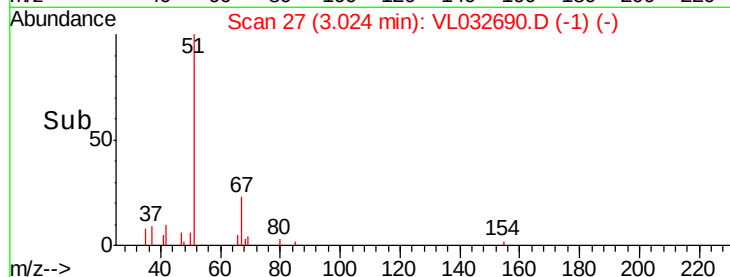
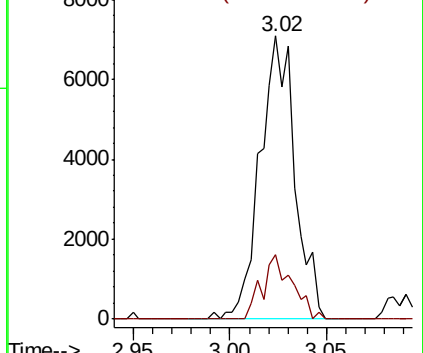
51 100

67 19.6 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.082 ppbv

RT: 3.18 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL032690.D

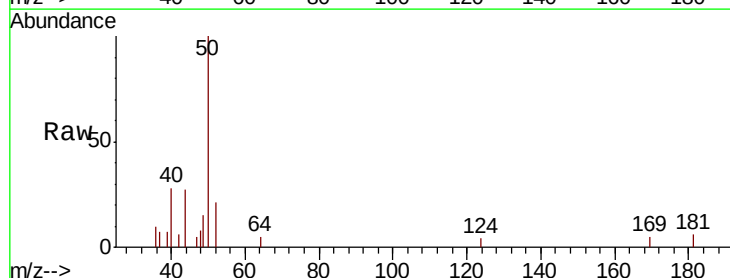
Acq: 24 Oct 2018 16:48

Tgt Ion: 50 Resp: 5527

Ion Ratio Lower Upper

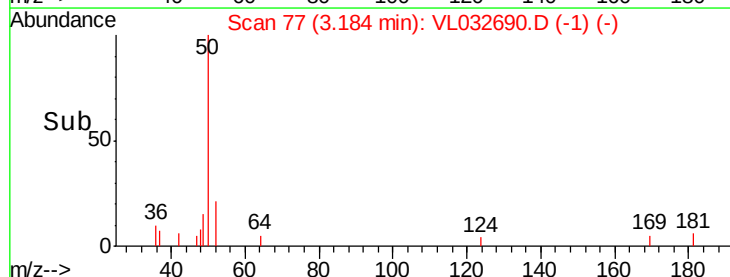
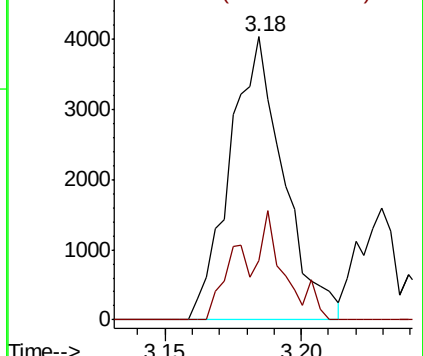
50 100

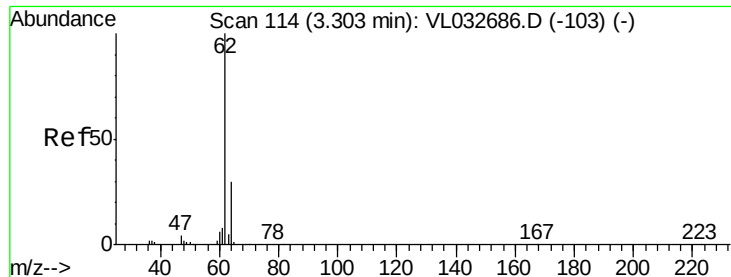
52 21.1 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.043 ppbv

RT: 3.30 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

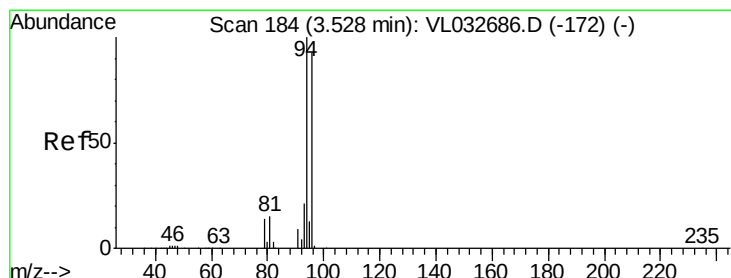
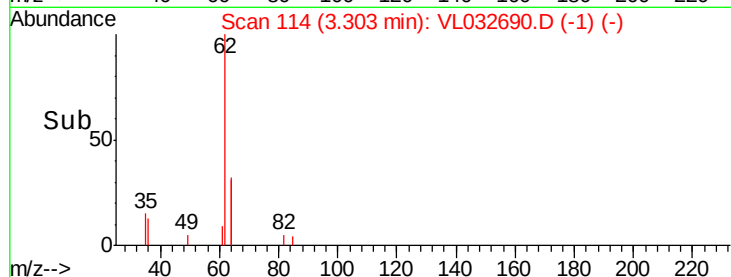
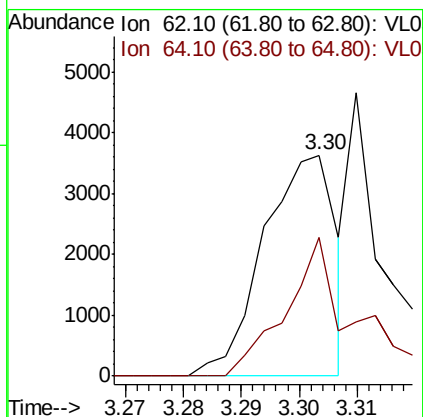
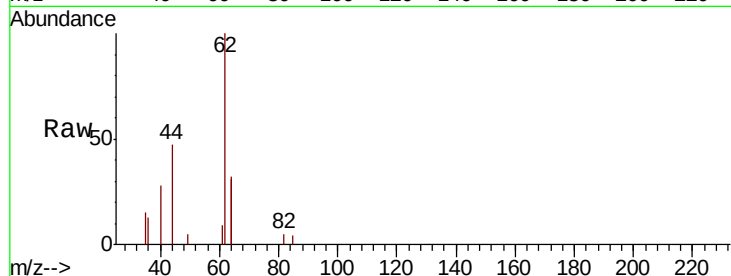
LOQ-AIR-02-QT4-2018

Tgt Ion: 62 Resp: 3148

Ion Ratio Lower Upper

62 100

64 62.8 25.5 38.3#



#6

Bromomethane

Concen: 0.046 ppbv

RT: 3.53 min Scan# 184

Delta R.T. 0.01 min

Lab File: VL032690.D

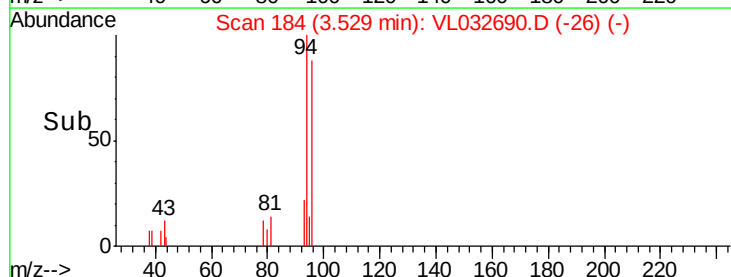
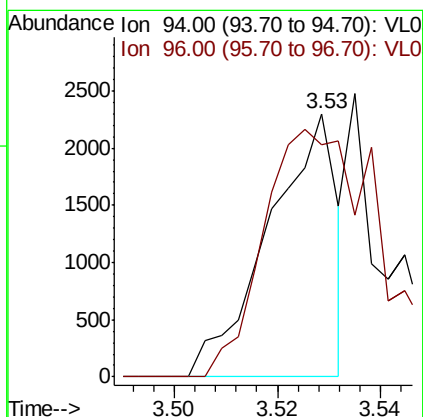
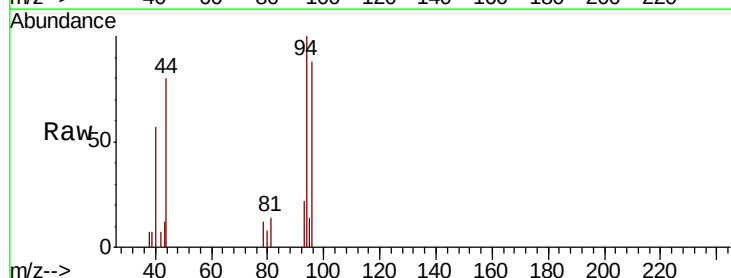
Acq: 24 Oct 2018 16:48

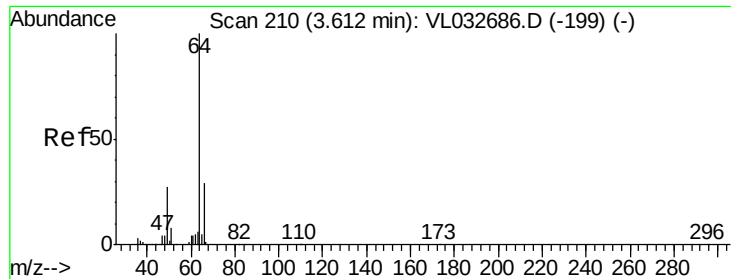
Tgt Ion: 94 Resp: 2102

Ion Ratio Lower Upper

94 100

96 88.2 69.8 104.8





#7

Chloroethane

Concen: 0.018 ppbv

RT: 3.61 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

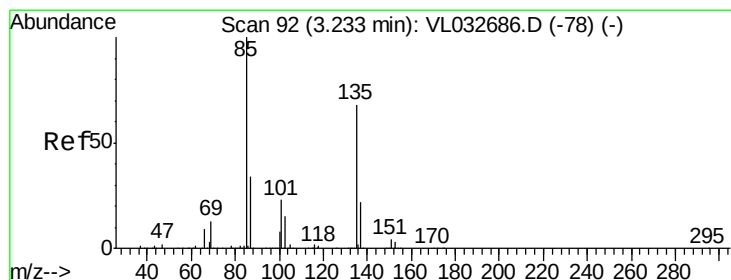
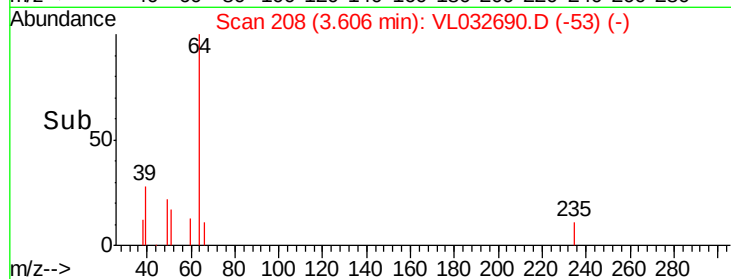
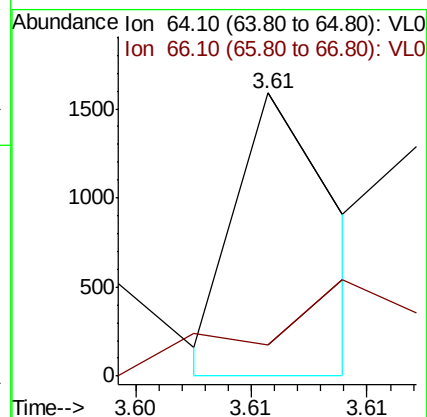
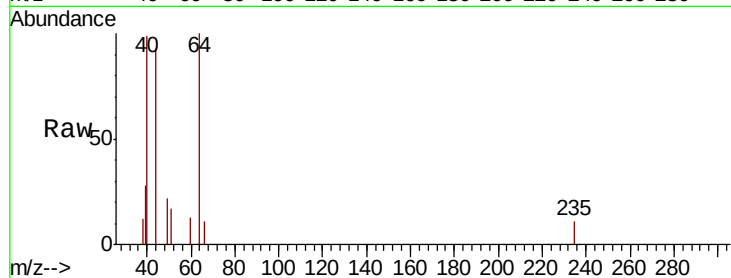
LOQ-AIR-02-QT4-2018

Tgt Ion: 64 Resp: 481

Ion Ratio Lower Upper

64 100

66 11.1 24.4 36.6#



#8

Dichlorotetrafluoroethane

Concen: 0.080 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032690.D

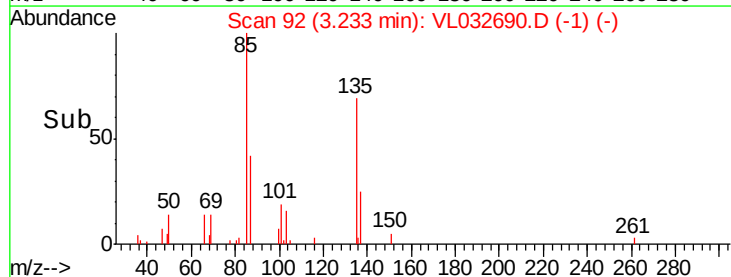
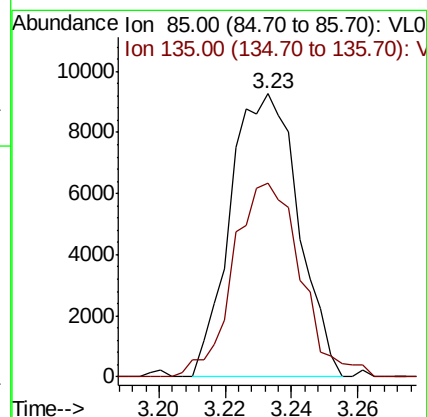
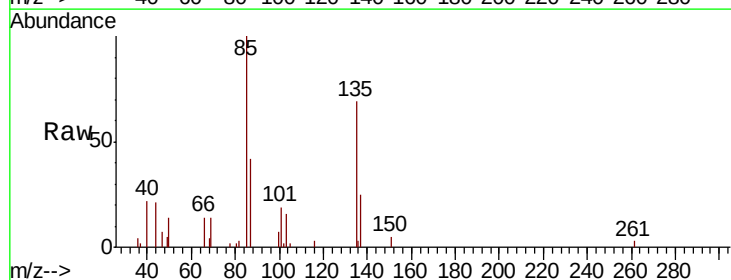
Acq: 24 Oct 2018 16:48

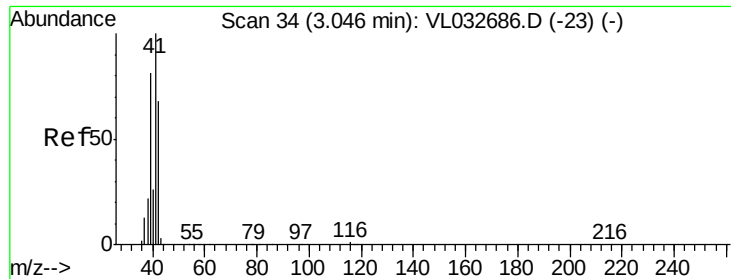
Tgt Ion: 85 Resp: 13213

Ion Ratio Lower Upper

85 100

135 67.8 49.0 73.4





#9

Propene

Concen: 0.004 ppbv

RT: 3.41 min Scan# 146

Delta R.T. 0.36 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

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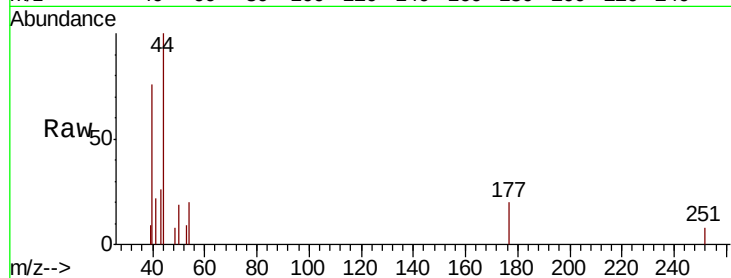
LOQ-AIR-02-QT4-2018

Tgt Ion: 41 Resp: 208

Ion Ratio Lower Upper

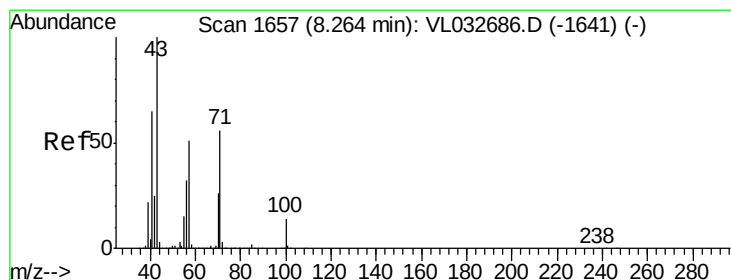
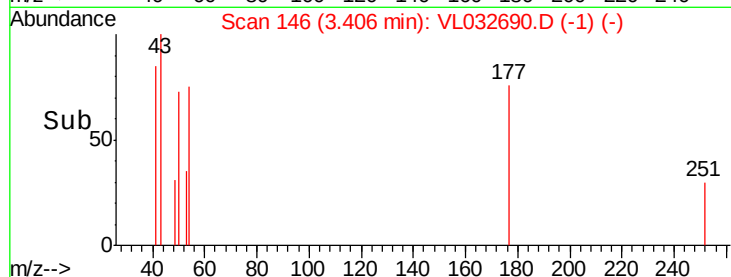
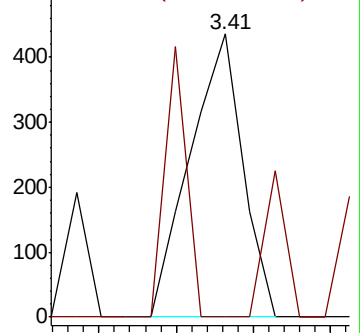
41 100

42 76.9 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.019 ppbv

RT: 8.26 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL032690.D

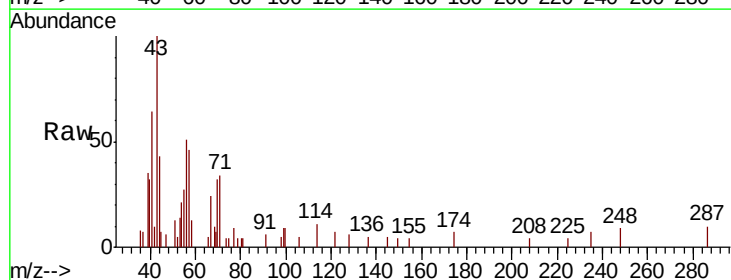
Acq: 24 Oct 2018 16:48

Tgt Ion: 43 Resp: 3662

Ion Ratio Lower Upper

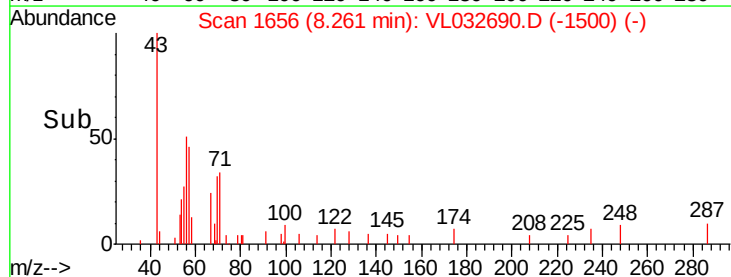
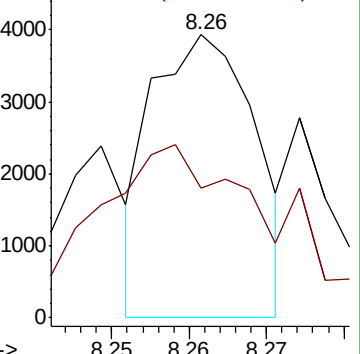
43 100

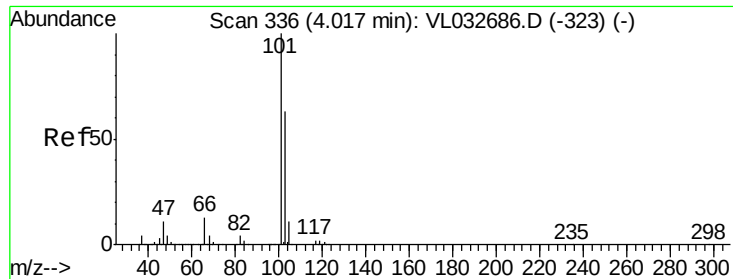
57 120.8 41.5 62.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.067 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

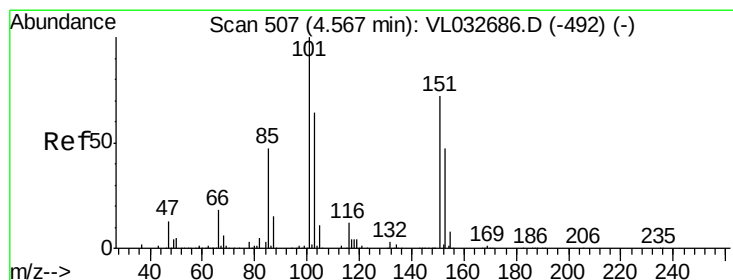
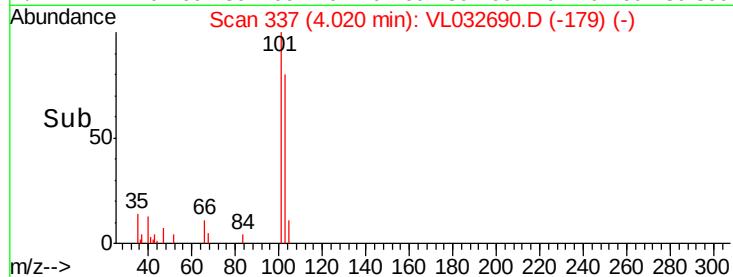
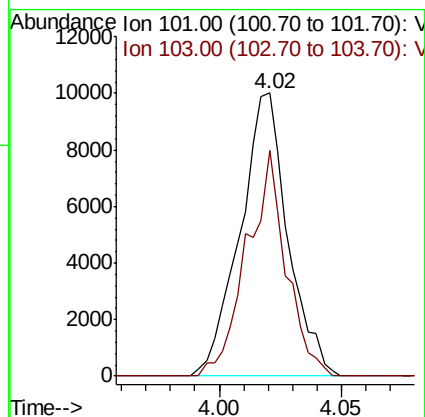
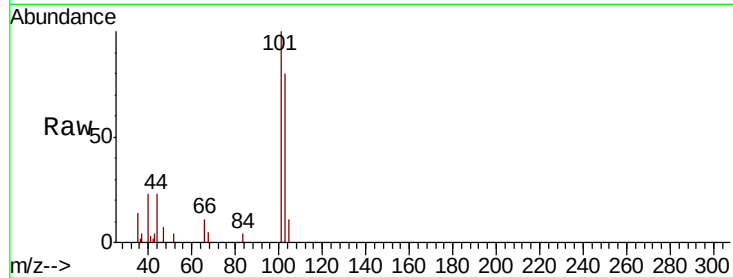
LOQ-AIR-02-QT4-2018

Tgt Ion:101 Resp: 13592

Ion Ratio Lower Upper

101 100

103 79.6 51.4 77.2#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.067 ppbv

RT: 4.57 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL032690.D

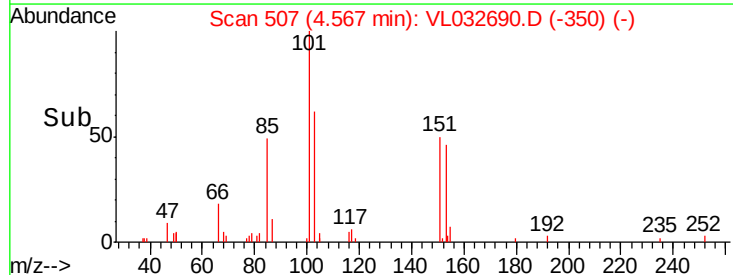
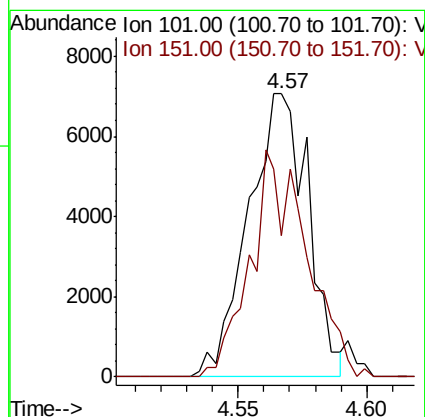
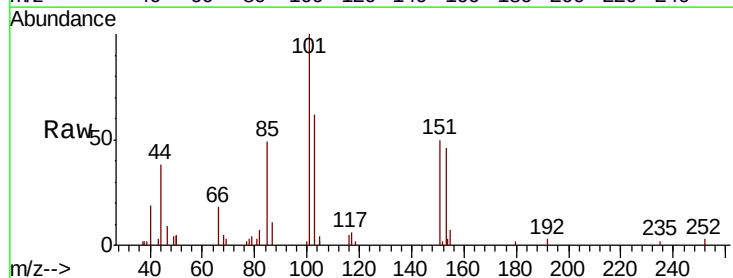
Acq: 24 Oct 2018 16:48

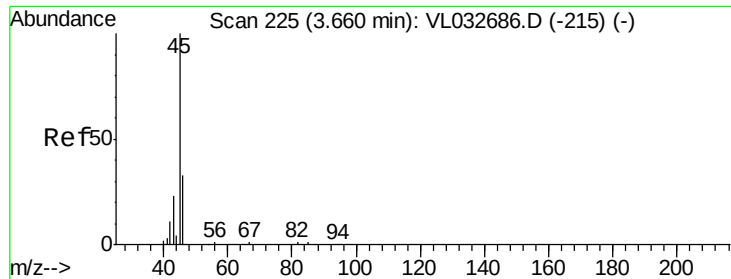
Tgt Ion:101 Resp: 11380

Ion Ratio Lower Upper

101 100

151 75.6 52.3 78.5





#13

Ethanol

Concen: 0.005 ppbv

RT: 3.64 min Scan# 219

Delta R.T. -0.02 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

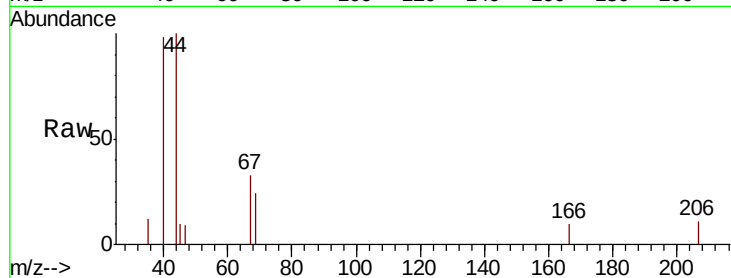
LOQ-AIR-02-QT4-2018

Tgt Ion: 45 Resp: 64

Ion Ratio Lower Upper

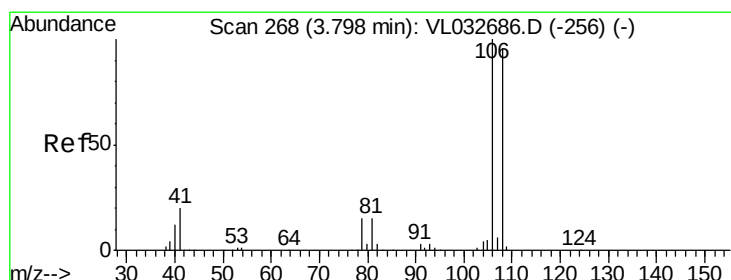
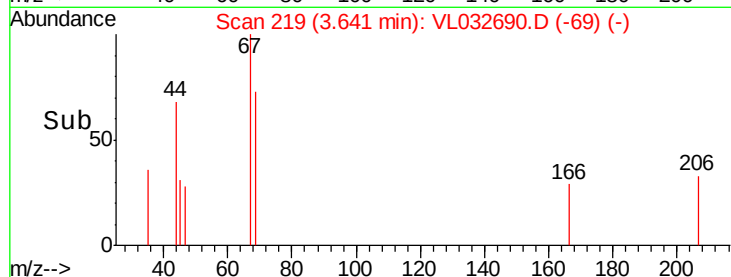
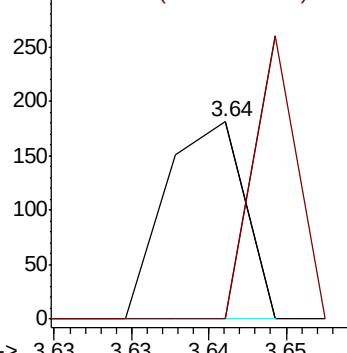
45 100

46 132.8 15.4 61.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.040 ppbv

RT: 3.80 min Scan# 268

Delta R.T. 0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

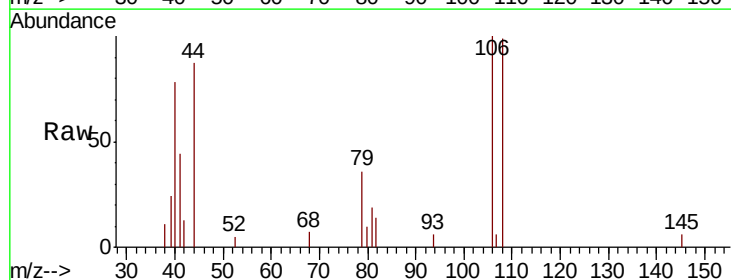
Tgt Ion: 108 Resp: 2288

Ion Ratio Lower Upper

108 100

106 0.0 85.0 127.4#

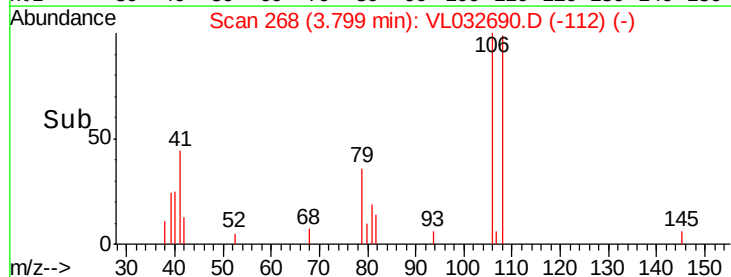
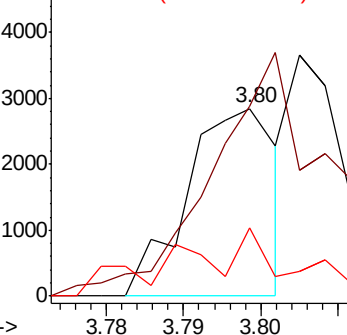
79 65.3 13.7 20.5#

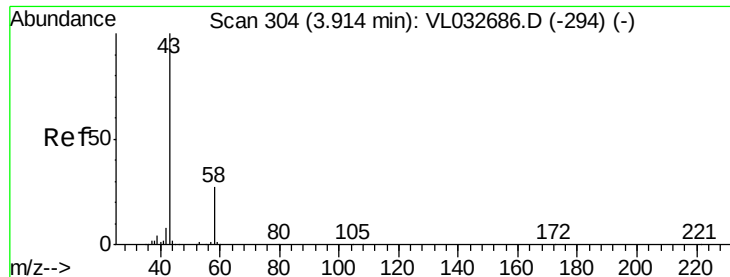


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.169 ppbv

RT: 3.95 min Scan# 314

Delta R.T. 0.04 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

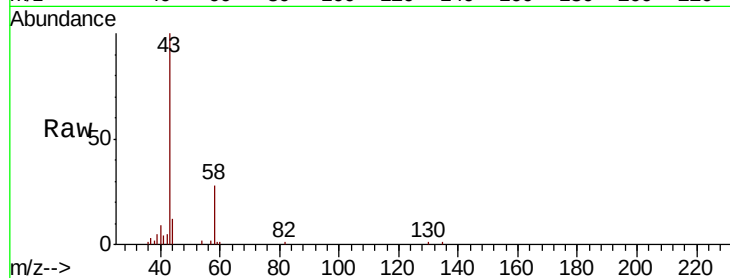
LOQ-AIR-02-QT4-2018

Tgt Ion: 43 Resp: 23955

Ion Ratio Lower Upper

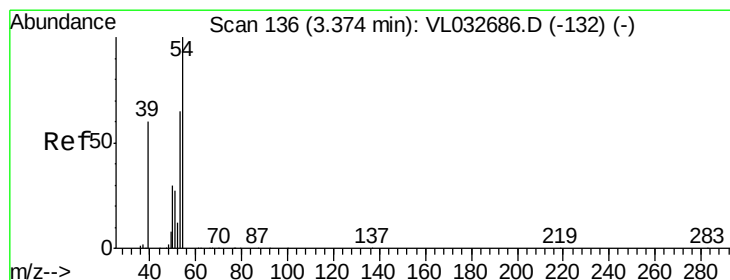
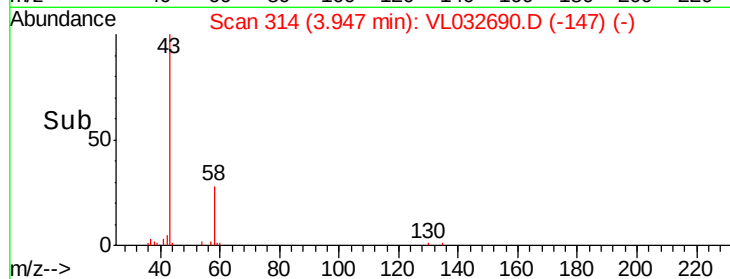
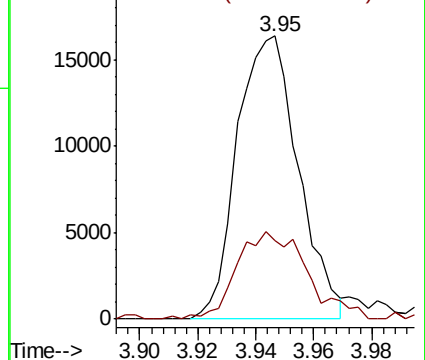
43 100

58 36.2 22.1 33.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.031 ppbv

RT: 3.37 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL032690.D

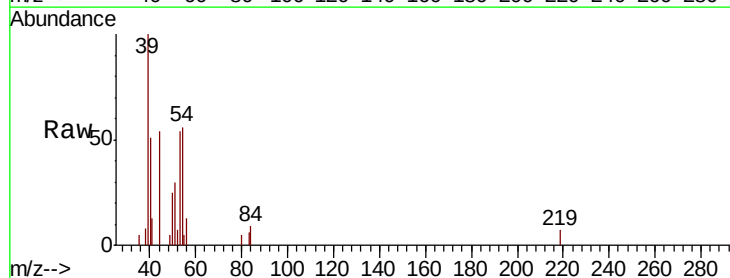
Acq: 24 Oct 2018 16:48

Tgt Ion: 39 Resp: 1616

Ion Ratio Lower Upper

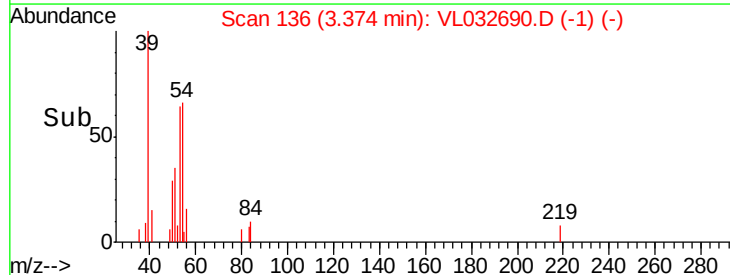
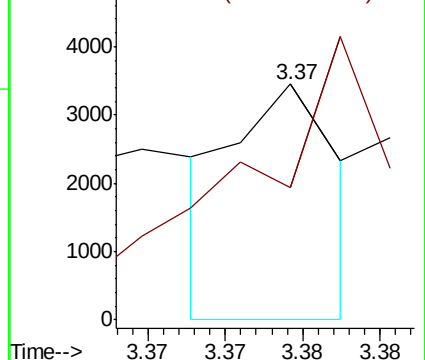
39 100

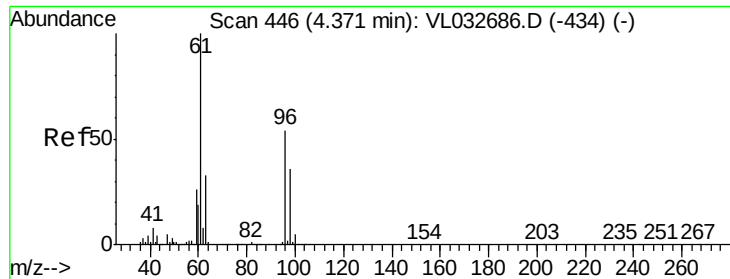
54 0.0 90.4 135.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



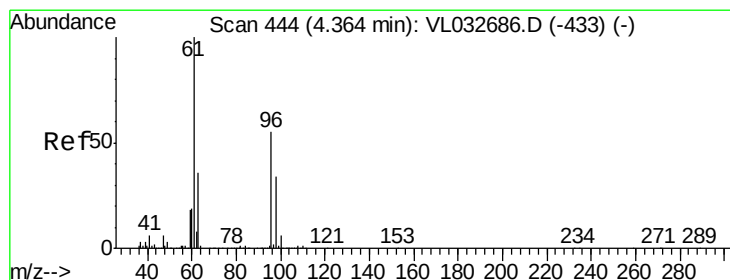
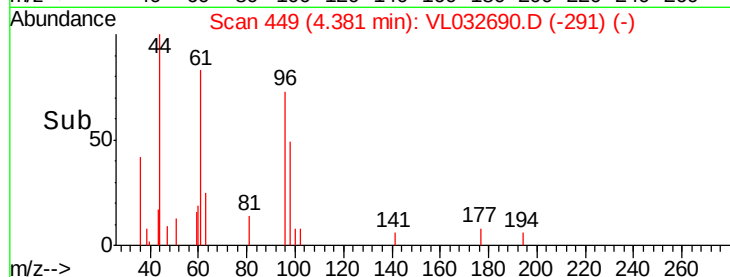
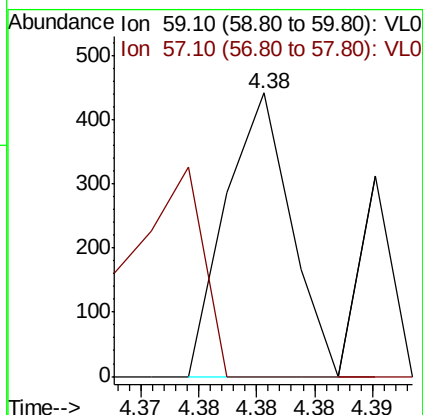
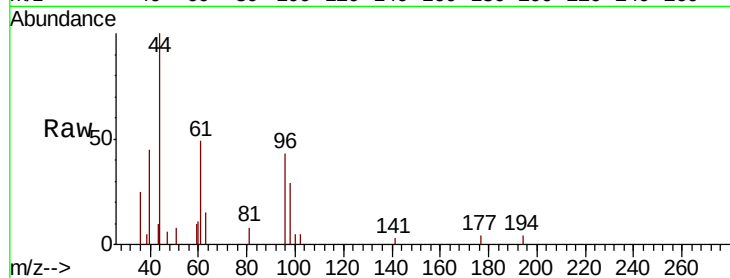


#17

tert-Butyl alcohol
Concen: 0.004 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.01 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2018

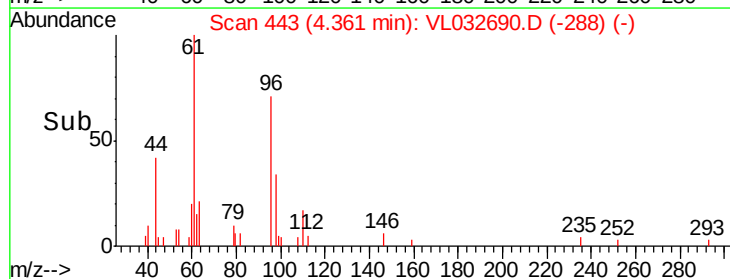
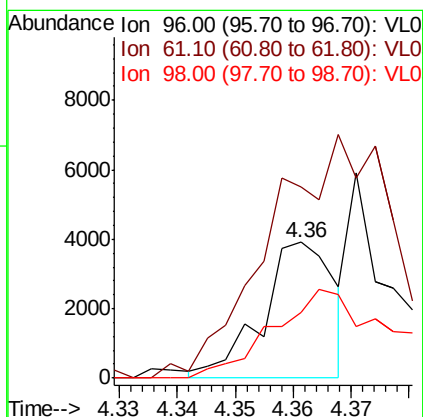
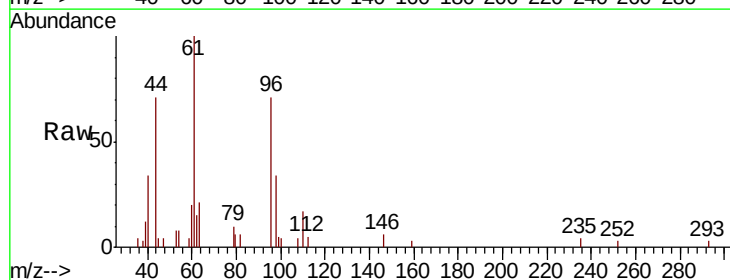
Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 79.8 0.0 0.0#

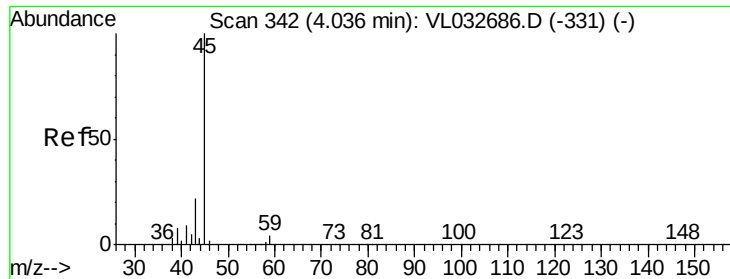


#18

1,1-Dichloroethene
Concen: 0.045 ppbv
RT: 4.36 min Scan# 443
Delta R.T. -0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Tgt Ion: 96 Resp: 3356
Ion Ratio Lower Upper
96 100
61 143.8 151.6 227.4#
98 51.1 50.6 75.8





#19

Isopropyl Alcohol

Concen: 0.001 ppbv

RT: 3.99 min Scan# 328

Delta R.T. -0.04 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

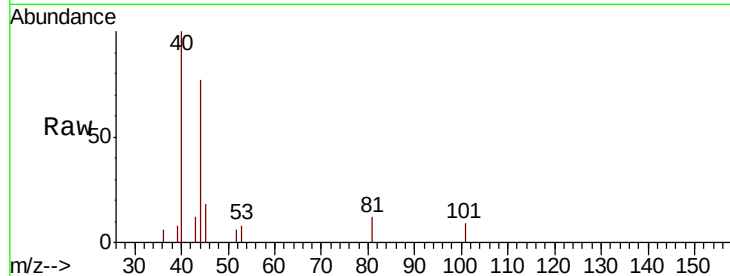
LOQ-AIR-02-QT4-2018

Tgt Ion: 45 Resp: 122

Ion Ratio Lower Upper

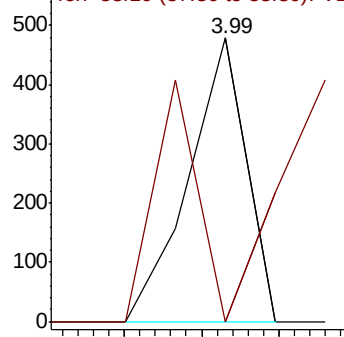
45 100

58 0.0 2.0 3.0#

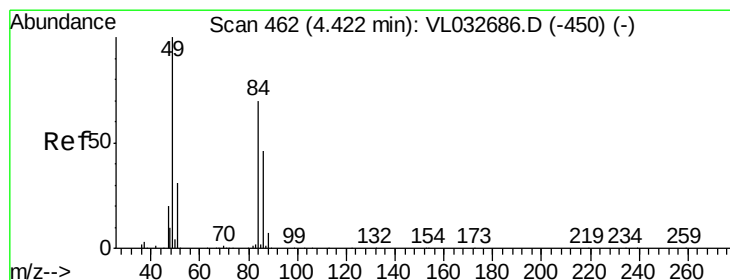
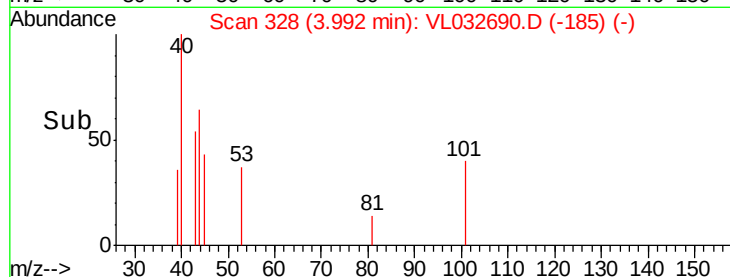


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->



#20

Methylene Chloride

Concen: 0.148 ppbv

RT: 4.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Tgt Ion: 84 Resp: 10676

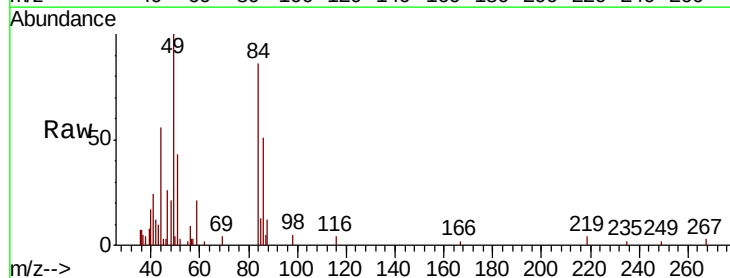
Ion Ratio Lower Upper

84 100

49 116.9 113.5 170.3

51 46.9 34.8 52.2

86 60.1 47.9 71.9

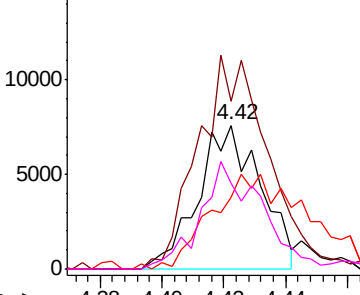


Abundance Ion 84.00 (83.70 to 84.70): VL0

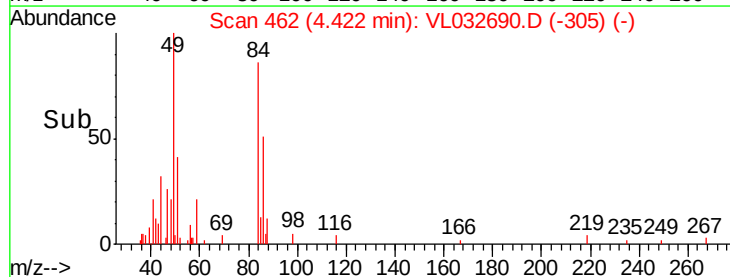
Ion 49.10 (48.80 to 49.80): VL0

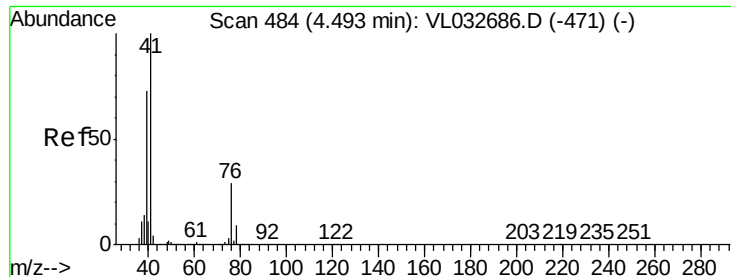
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



Time-->





#21

Allyl Chloride

Concen: 0.036 ppbv

RT: 4.49 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

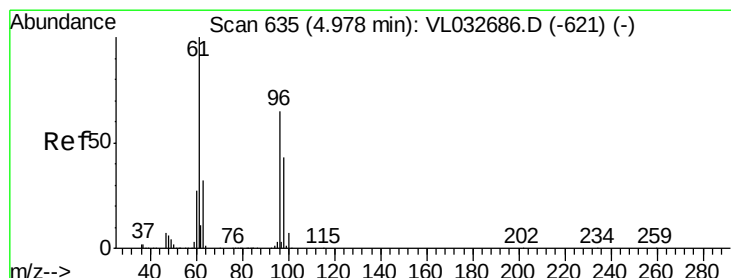
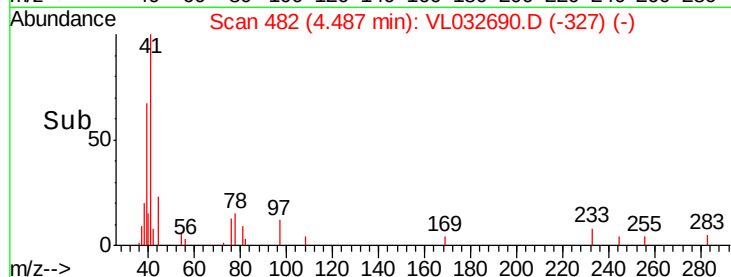
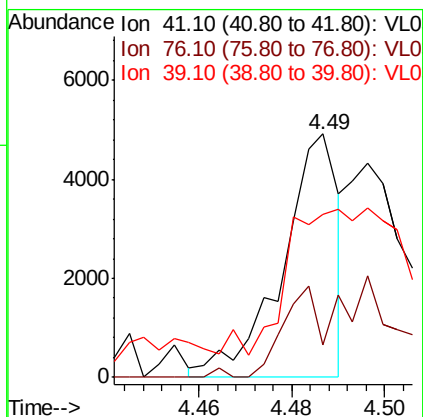
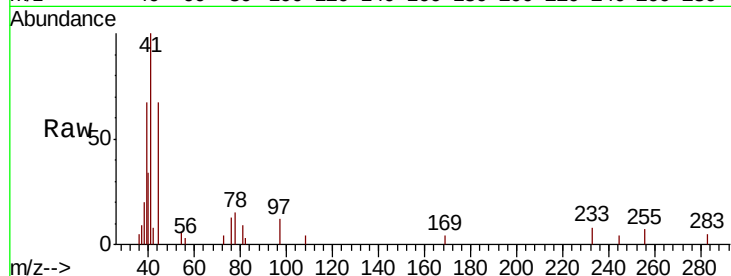
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

Tgt Ion:	41.10	Resp:	4142
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	0.0	60.3	90.5#



#22

trans-1,2-Dichloroethene

Concen: 0.049 ppbv

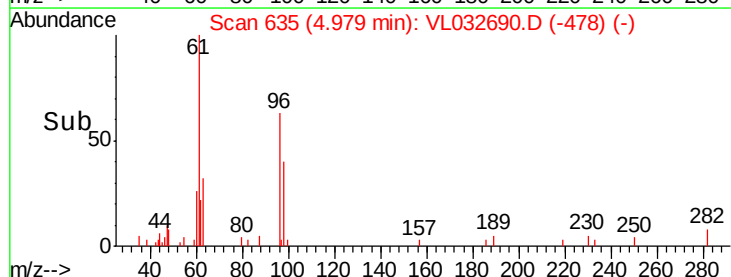
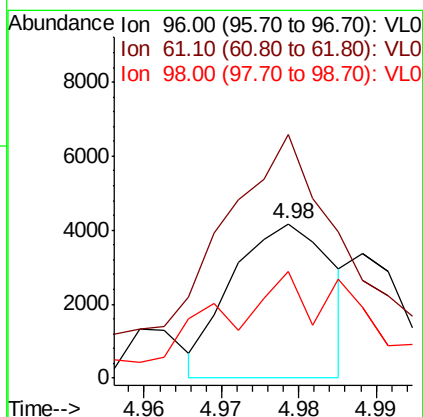
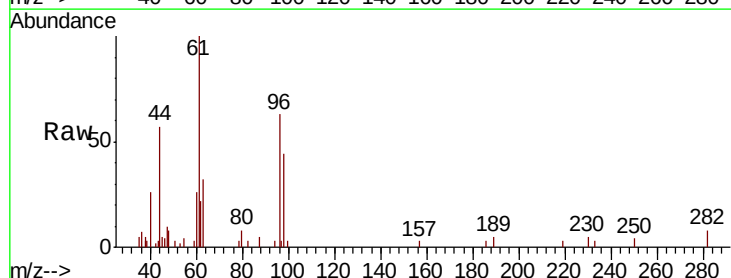
RT: 4.98 min Scan# 635

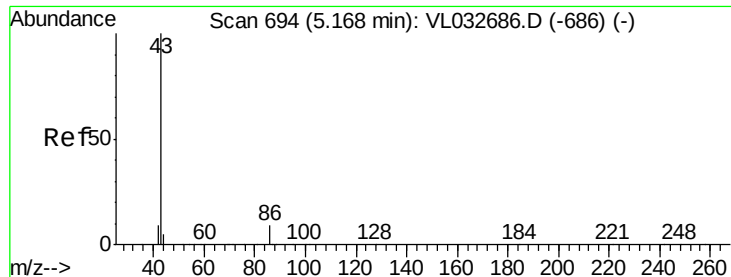
Delta R.T. 0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Tgt Ion:	96	Resp:	3741
Ion	Ratio	Lower	Upper
96	100		
61	125.2	140.4	210.6#
98	36.6	55.0	82.6#

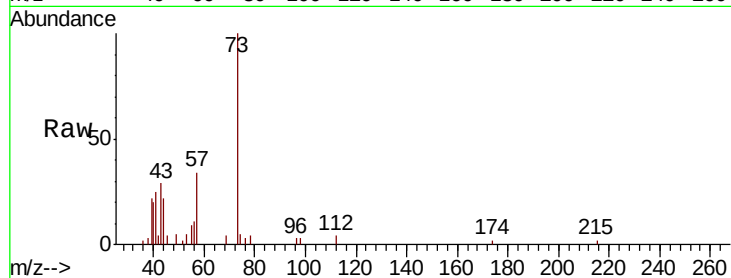




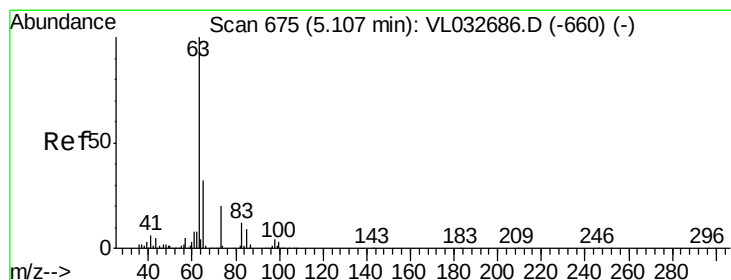
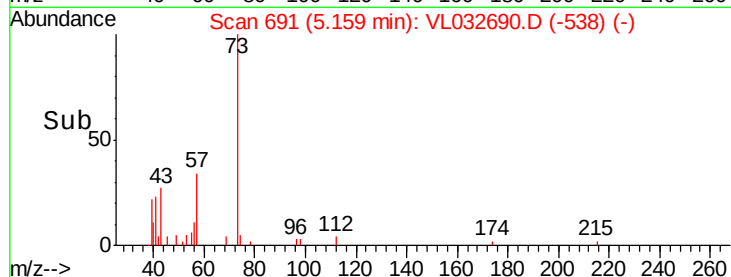
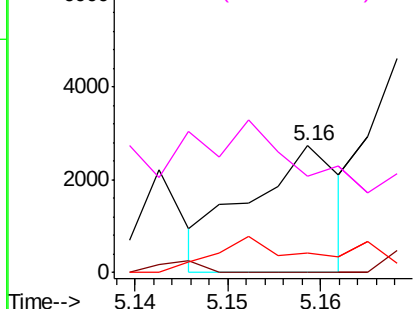
#23
 Vinyl Acetate
 Concen: 0.007 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

Tgt Ion:	43	Resp:	1855
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.1	9.1#
42	10.5	7.4	11.2
44	0.0	4.2	6.2#

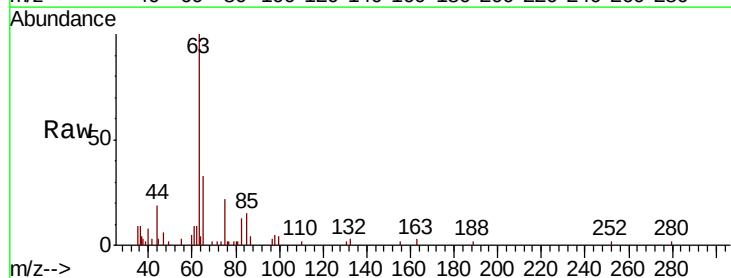


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

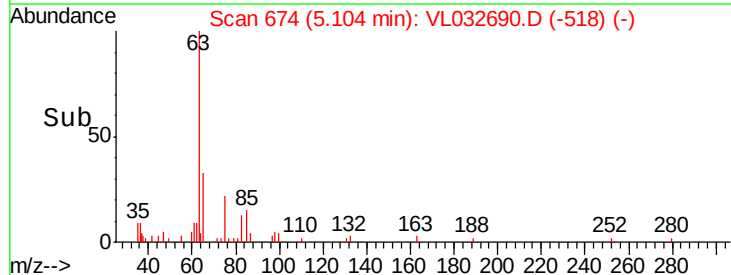
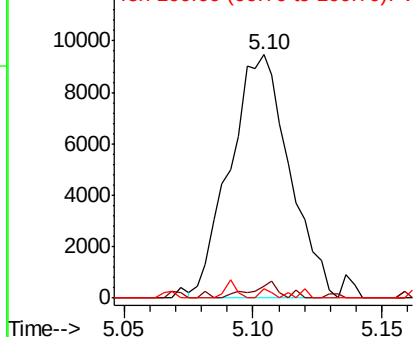


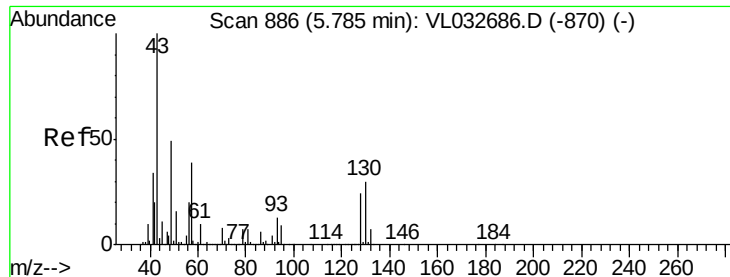
#24
 1,1-Dichloroethane
 Concen: 0.077 ppbv
 RT: 5.10 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion:	63	Resp:	15245
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.3
100	3.7	1.2	3.6#



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

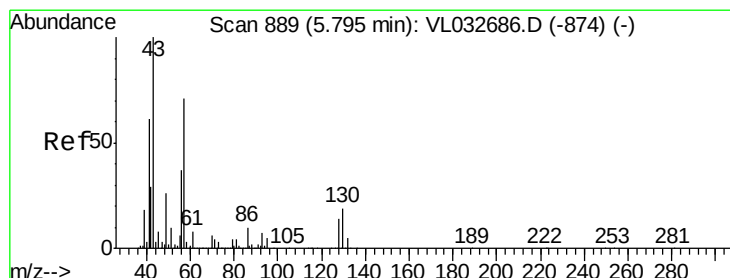
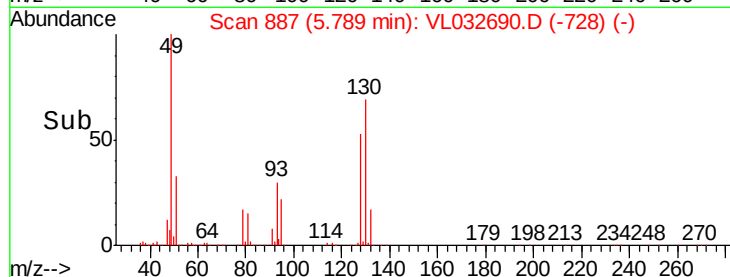
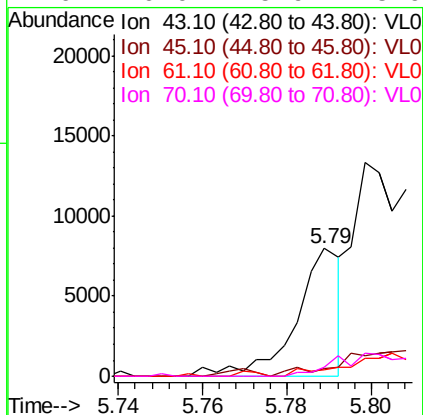
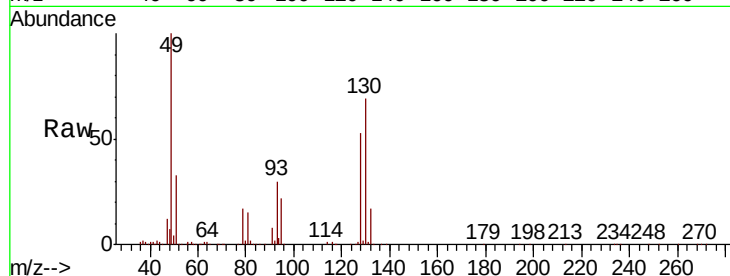




#25
Ethyl Acetate
Concen: 0.018 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

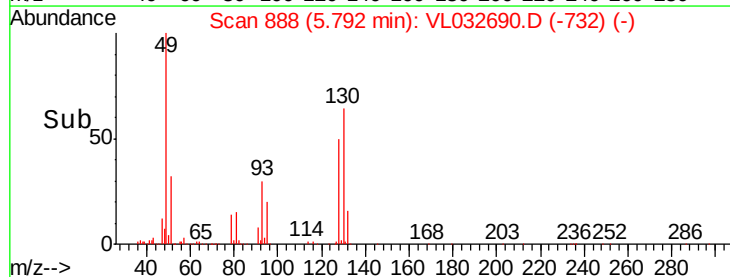
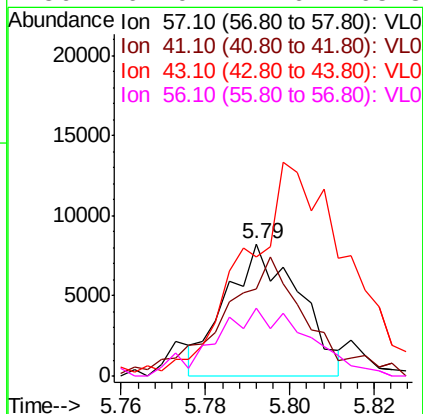
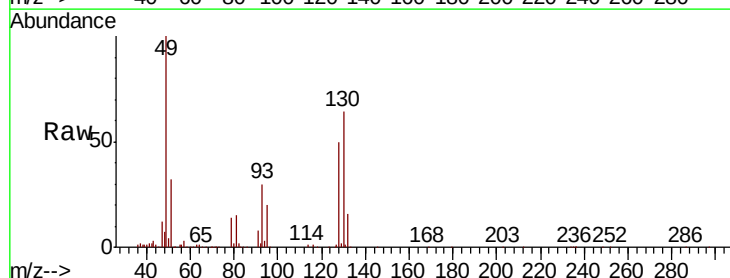
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2018

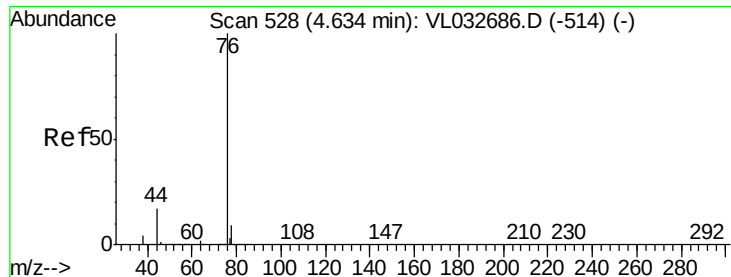
Tgt Ion:	43	Resp:	5959
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.0	8.0	12.0#
70	0.0	5.9	8.9#



#26
Hexane
Concen: 0.064 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Tgt Ion:	57	Resp:	9883
Ion	Ratio	Lower	Upper
57	100		
41	103.6	67.4	101.0#
43	240.4	171.9	257.9
56	67.0	42.6	63.8#





#27

Carbon Disulfide

Concen: 0.056 ppbv

RT: 4.63 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

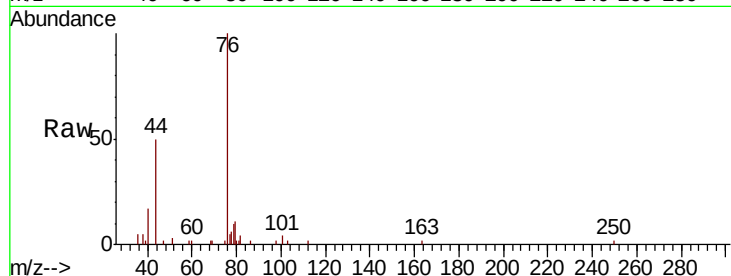
Tgt Ion: 76 Resp: 10537

Ion Ratio Lower Upper

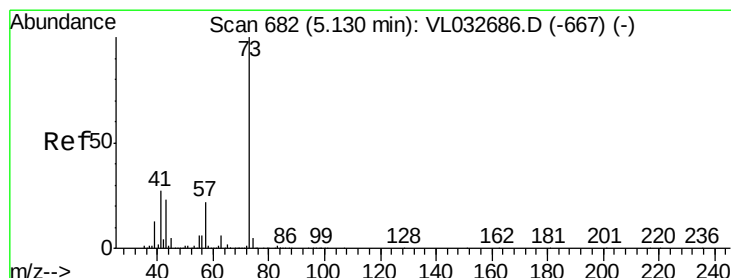
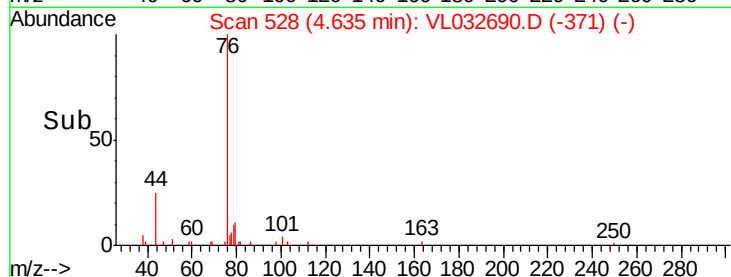
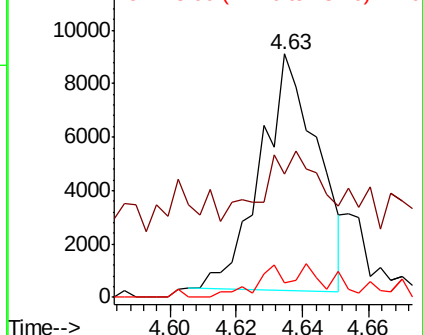
76 100

44 84.6 13.7 20.5#

78 19.0 7.4 11.2#



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: 0.061 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.03 min

Lab File: VL032690.D

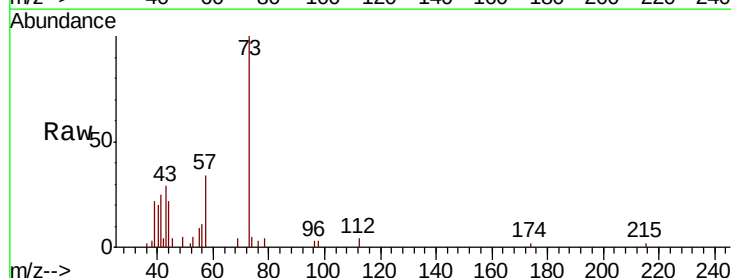
Acq: 24 Oct 2018 16:48

Tgt Ion: 73 Resp: 13493

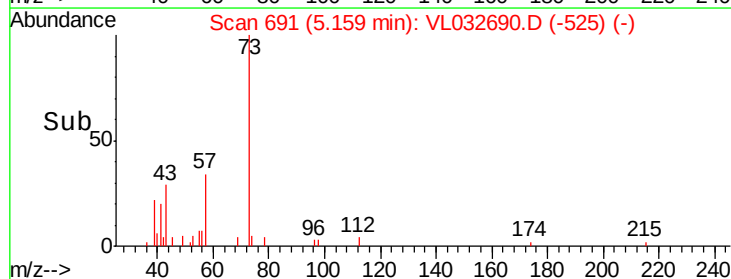
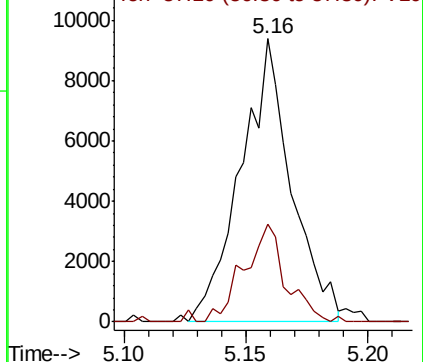
Ion Ratio Lower Upper

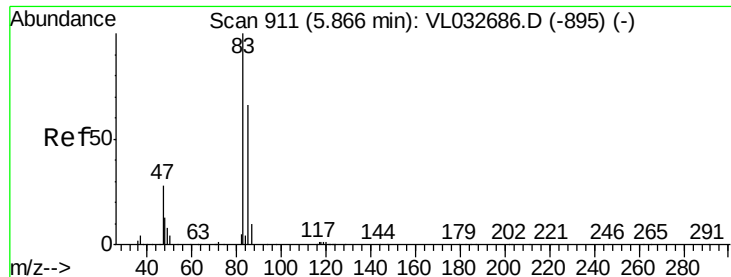
73 100

57 29.2 18.0 27.0#



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

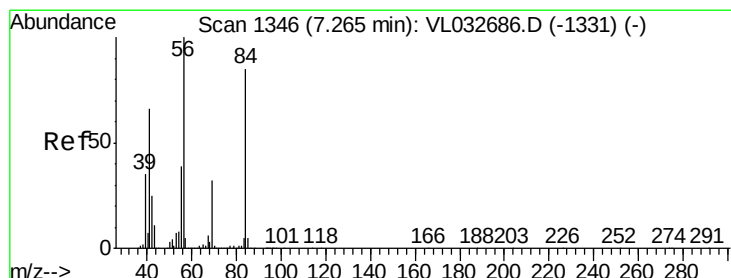
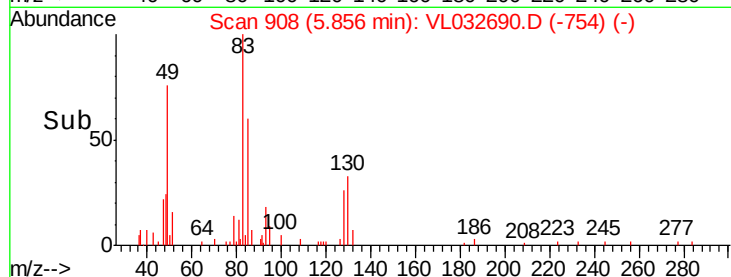
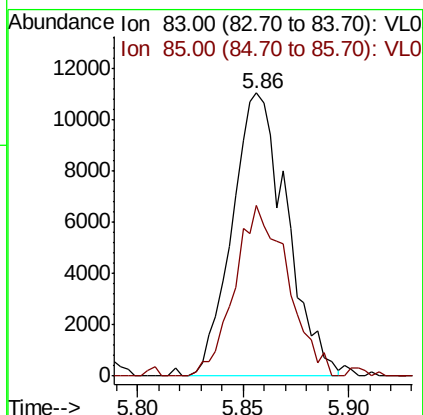
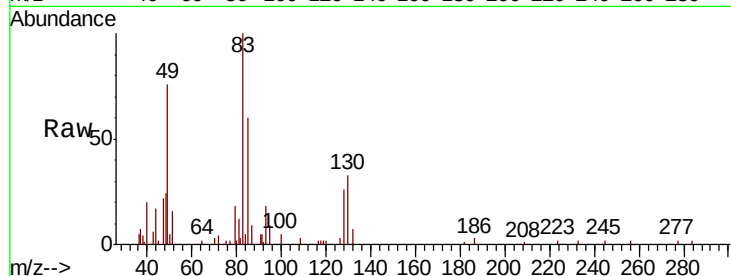




#29
Chloroform
Concen: 0.080 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

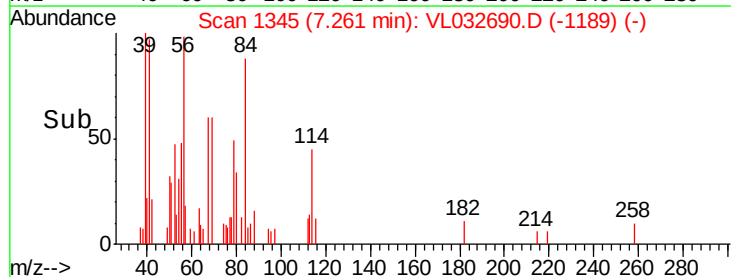
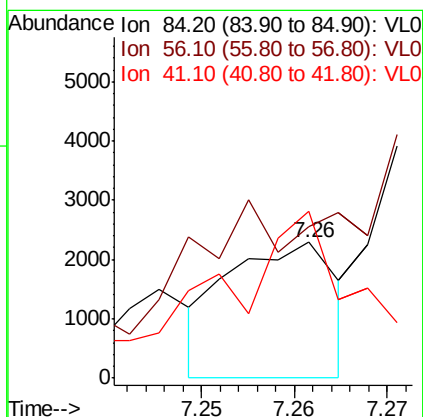
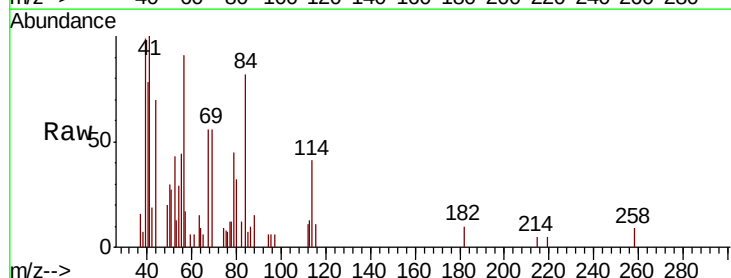
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2018

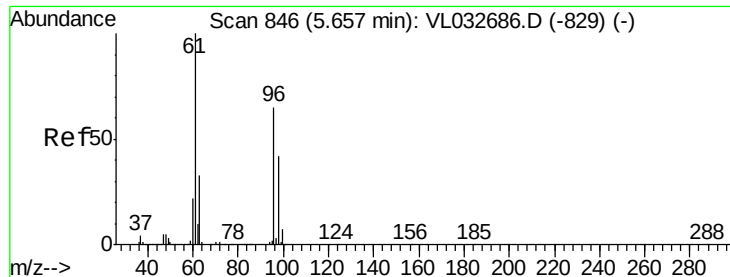
Tgt Ion: 83 Resp: 19755
Ion Ratio Lower Upper
83 100
85 60.4 53.0 79.6



#30
Cyclohexane
Concen: 0.015 ppbv
RT: 7.26 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Tgt Ion: 84 Resp: 1856
Ion Ratio Lower Upper
84 100
56 0.0 108.3 162.5#
41 313.0 64.8 97.2#





#31

cis-1,2-Dichloroethene

Concen: 0.048 ppbv

RT: 5.65 min Scan# 845

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

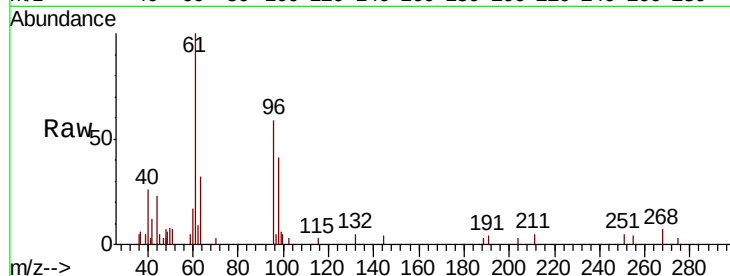
Tgt Ion: 61 Resp: 6845

Ion Ratio Lower Upper

61 100

96 59.1 51.8 77.6

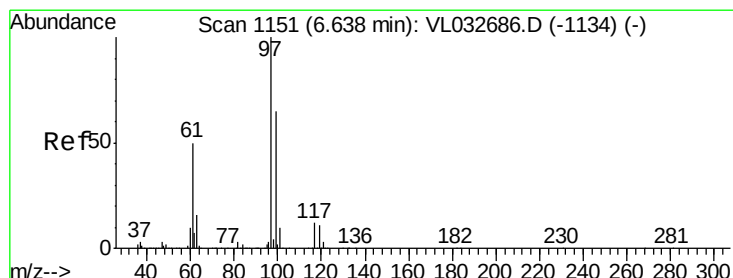
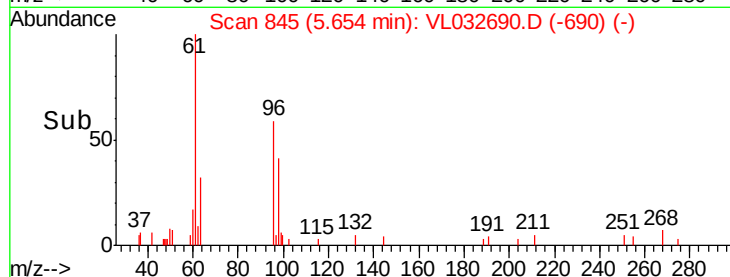
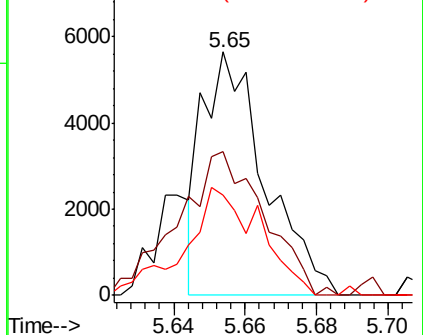
98 41.0 33.8 50.6



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: 6.63 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

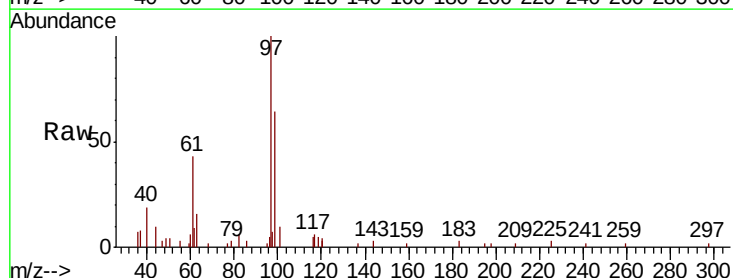
Tgt Ion: 97 Resp: 8601

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

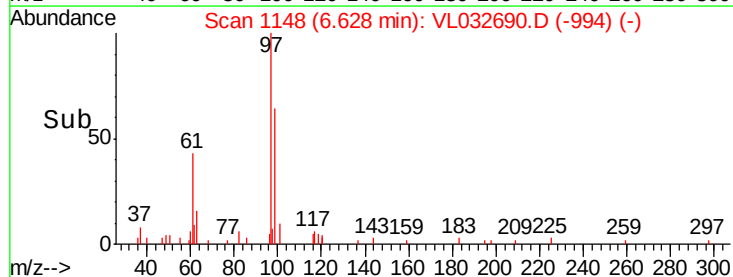
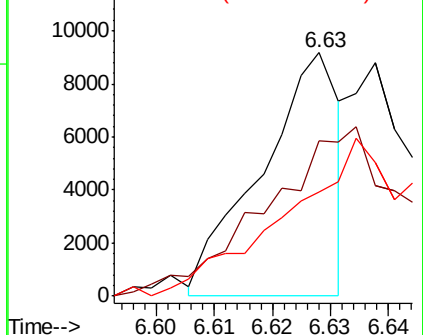
61 0.0 40.7 61.1#

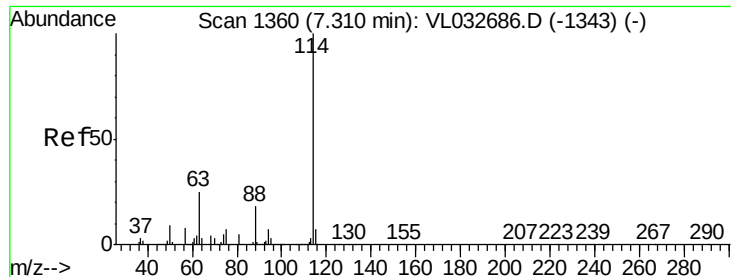


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

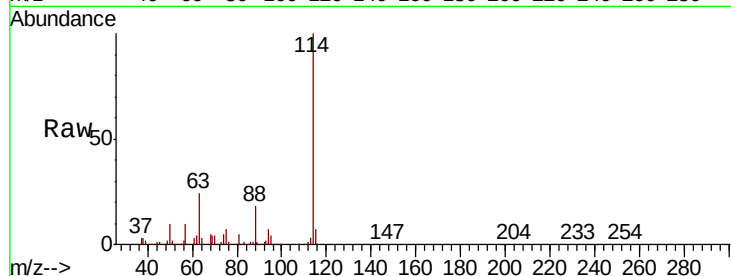




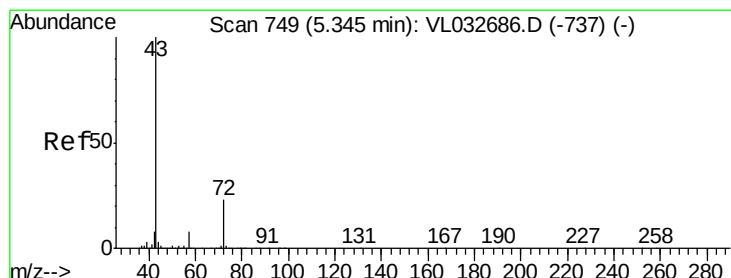
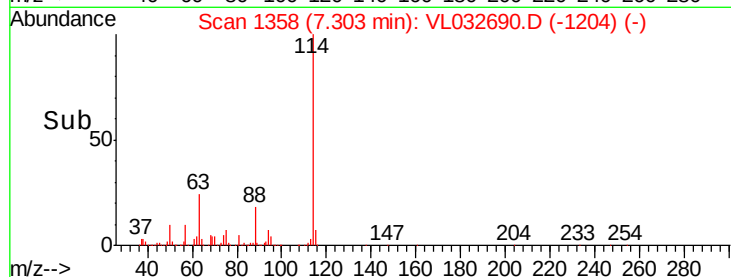
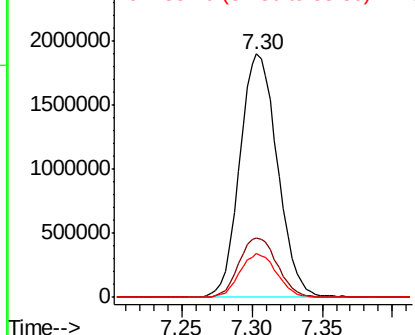
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

Tgt Ion:114 Resp: 3549911
 Ion Ratio Lower Upper
 114 100
 63 24.9 21.7 32.5
 88 17.7 14.9 22.3

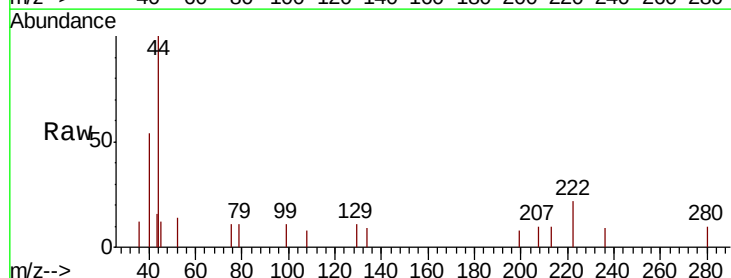


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

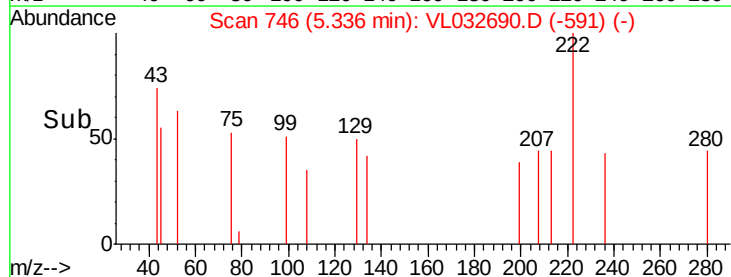
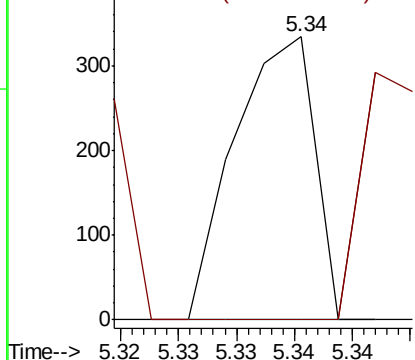


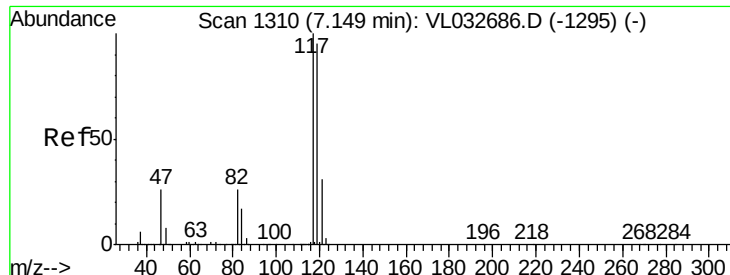
#34
 2-Butanone
 Concen: 0.001 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion: 43 Resp: 159
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.037 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

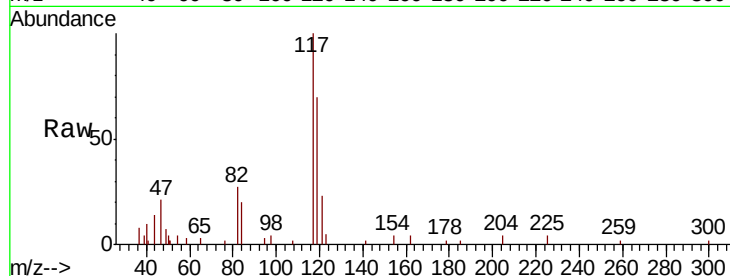
Tgt Ion:117 Resp: 9337

Ion Ratio Lower Upper

117 100

119 70.5 75.7 113.5#

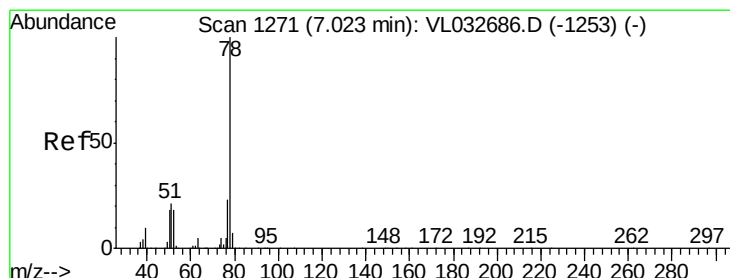
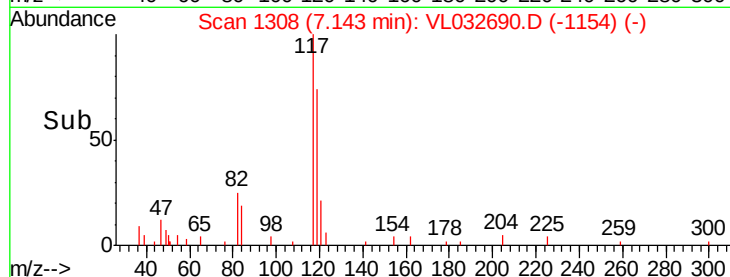
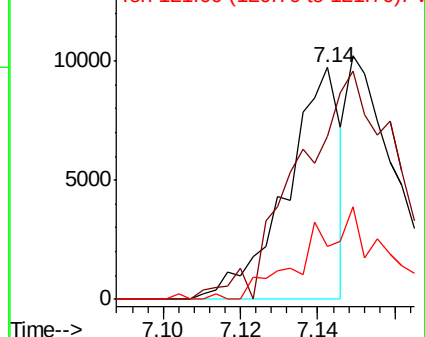
121 23.0 24.7 37.1#



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: 0.044 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

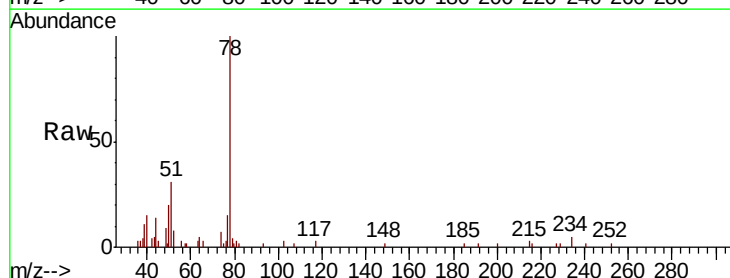
Tgt Ion: 78 Resp: 12575

Ion Ratio Lower Upper

78 100

77 3.1 18.1 27.1#

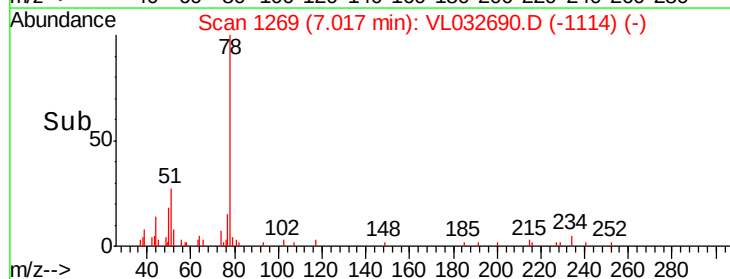
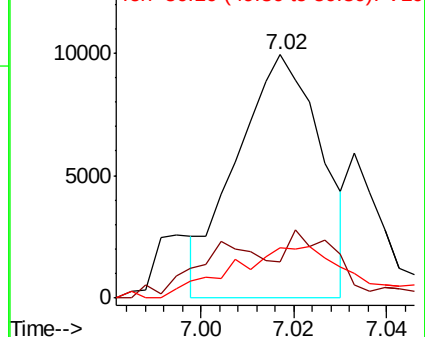
50 17.8 15.1 22.7

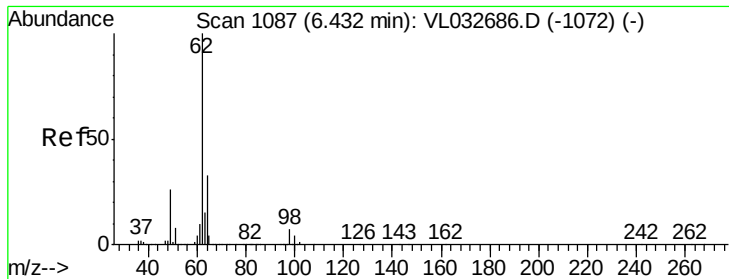


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

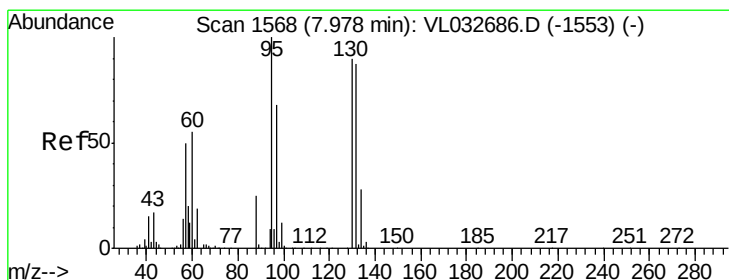
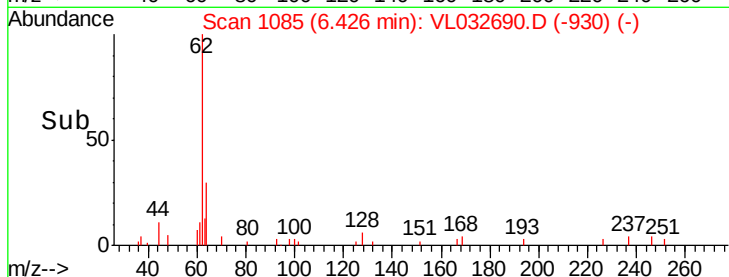
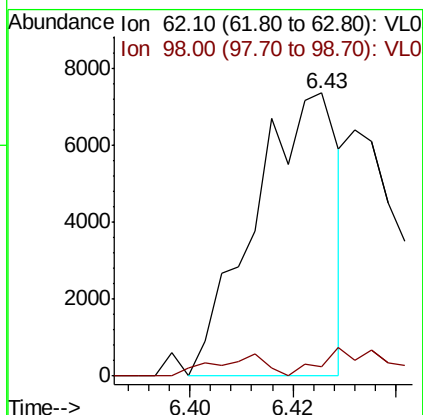
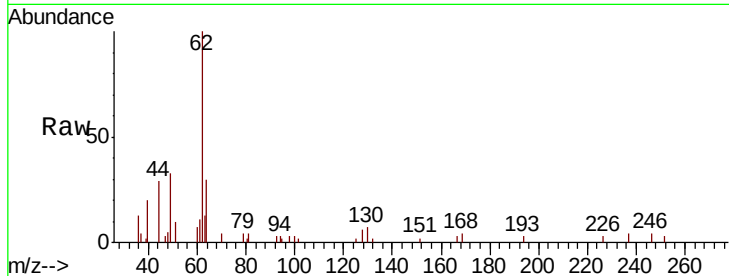




#37
 1,2-Dichloroethane
 Concen: 0.047 ppbv
 RT: 6.43 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

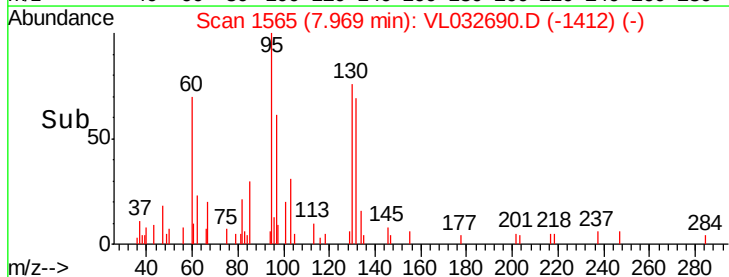
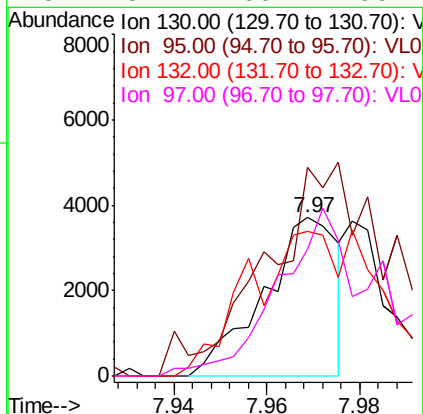
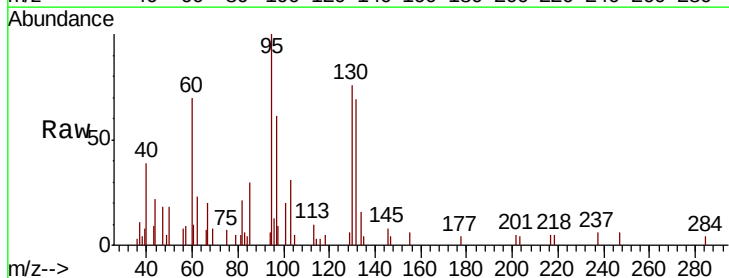
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

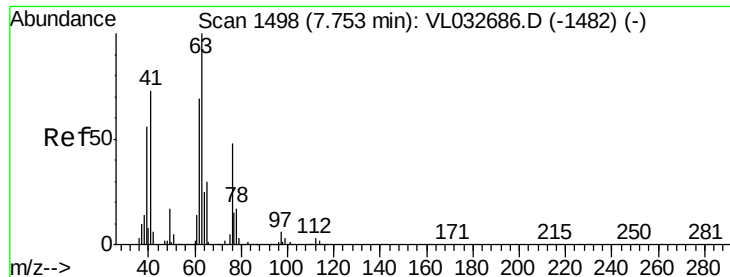
Tgt Ion: 62 Resp: 8266
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.4 6.6#



#38
 Trichloroethene
 Concen: 0.038 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion: 130 Resp: 4105
 Ion Ratio Lower Upper
 130 100
 95 118.6 93.4 140.0
 132 85.7 76.5 114.7
 97 87.2 60.2 90.2





#39

1,2-Dichloropropane

Concen: 7.888 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

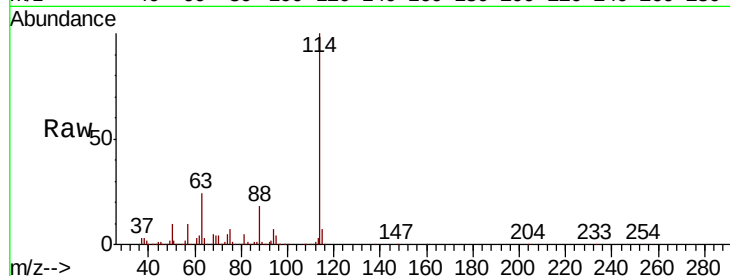
Tgt Ion: 63 Resp: 878067

Ion Ratio Lower Upper

63 100

41 0.1 56.2 84.4#

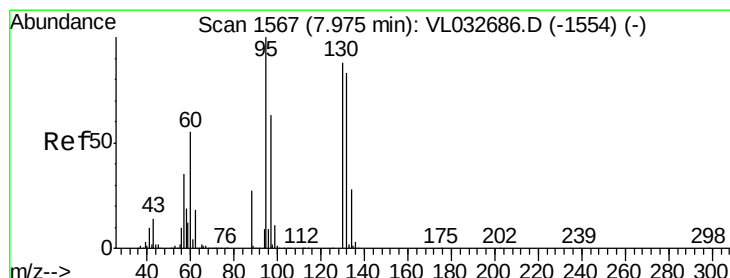
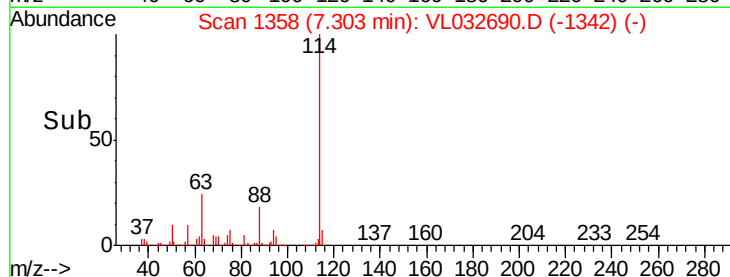
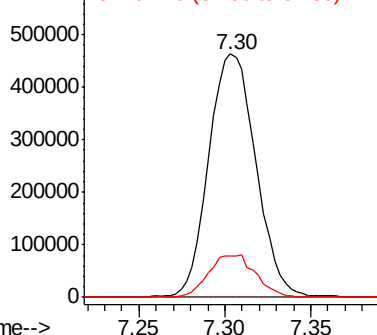
62 17.3 54.4 81.6#



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



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 7.95 min Scan# 1558

Delta R.T. -0.03 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Tgt Ion: 88 Resp: 108

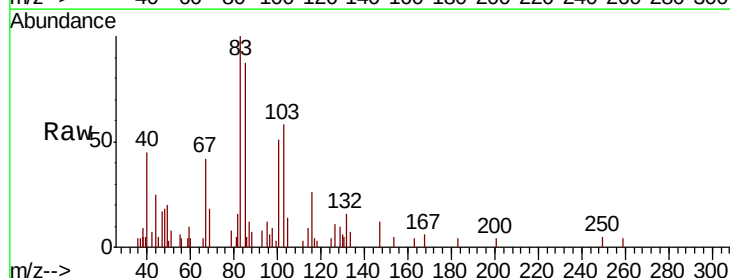
Ion Ratio Lower Upper

88 100

58 106.5 104.0 156.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

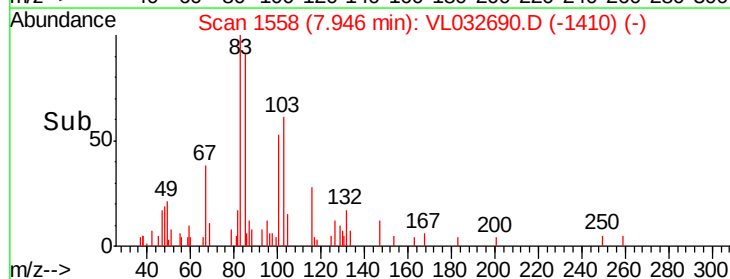
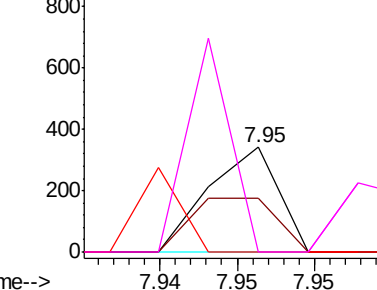


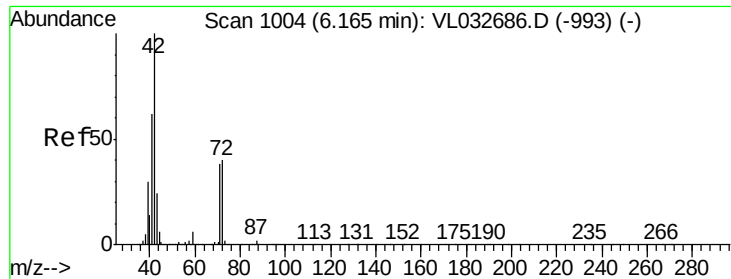
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

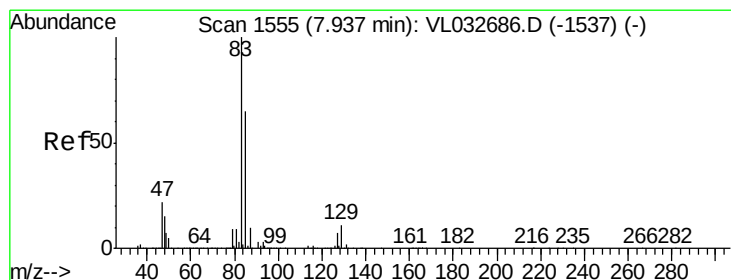
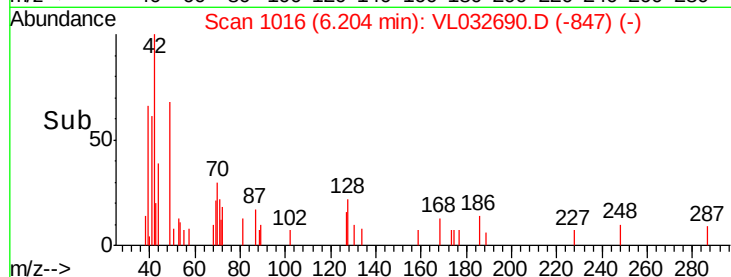
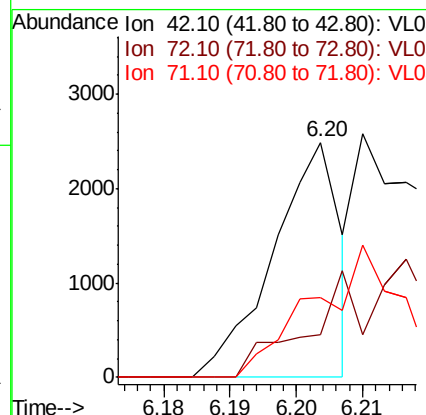
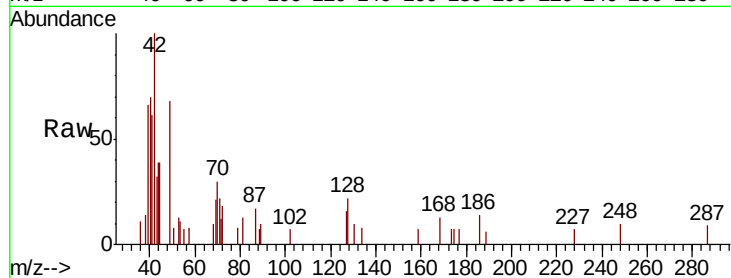




#41
Tetrahydrofuran
Concen: 0.017 ppbv
RT: 6.20 min Scan# 1016
Delta R.T. 0.04 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

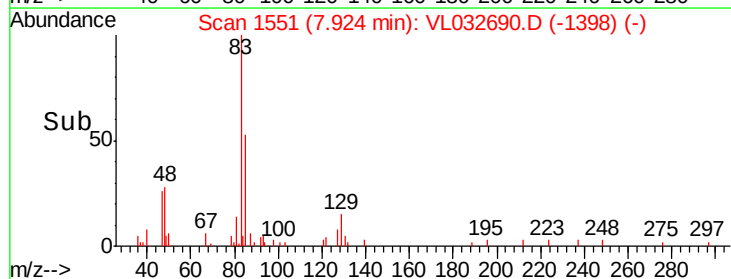
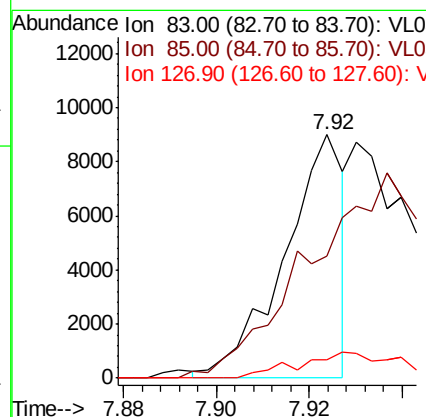
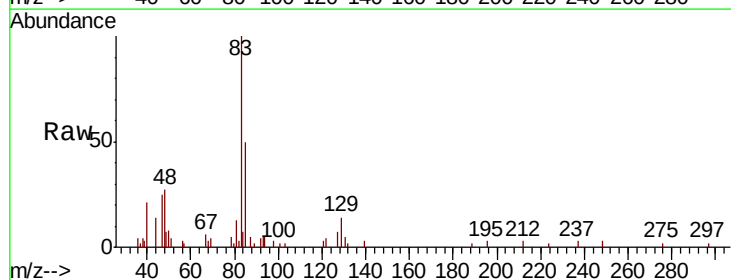
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2018

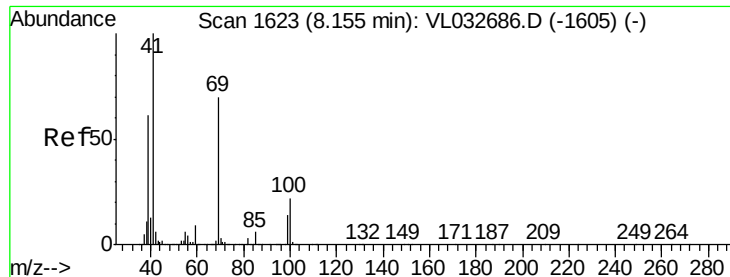
Tgt Ion: 42 Resp: 1751
Ion Ratio Lower Upper
42 100
72 7.0 32.4 48.6#
71 0.0 31.3 46.9#



#42
Bromodichloromethane
Concen: 0.032 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.01 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Tgt Ion: 83 Resp: 7988
Ion Ratio Lower Upper
83 100
85 48.5 52.4 78.6#
127 7.6 6.1 9.1

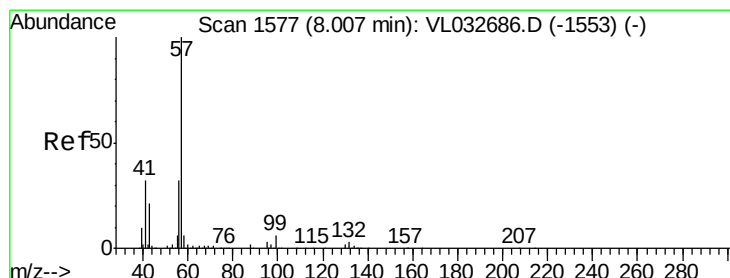
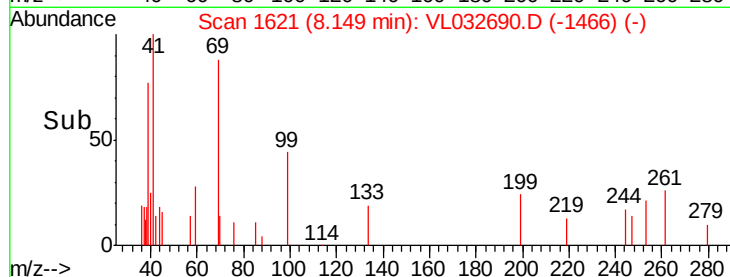
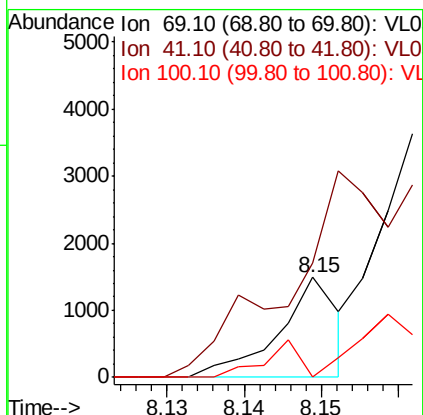
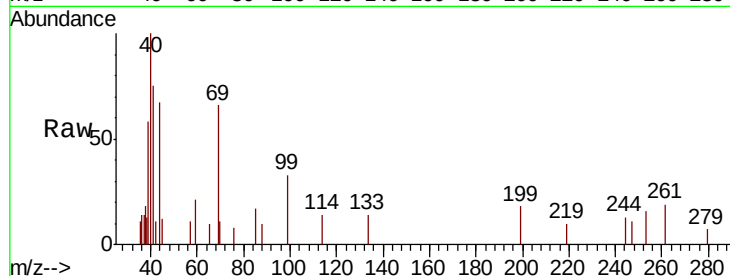




#43
Methyl Methacrylate
Concen: 0.008 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

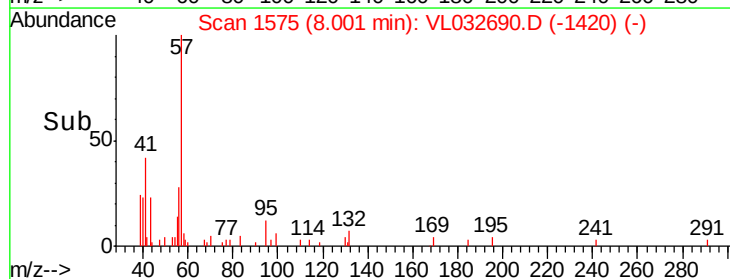
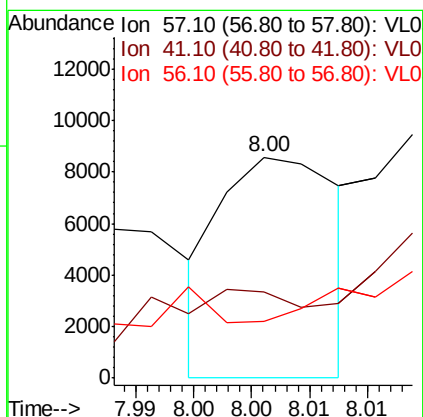
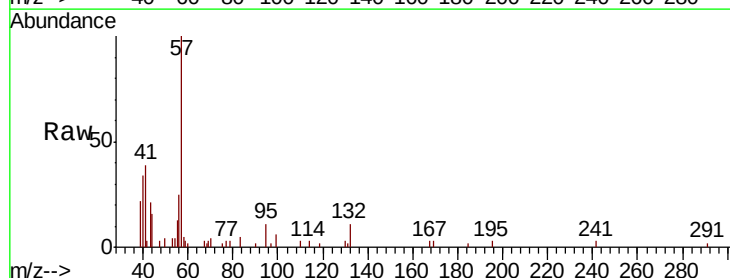
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2018

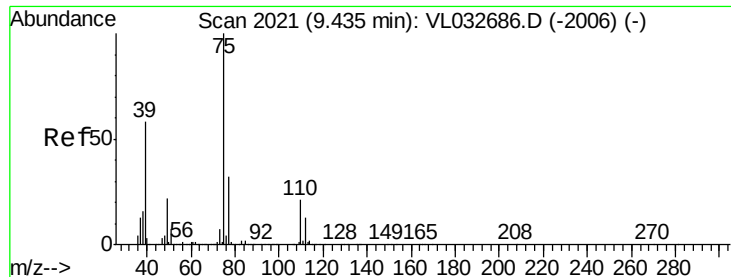
Tgt Ion: 69 Resp: 798
Ion Ratio Lower Upper
69 100
41 0.0 113.2 169.8#
100 0.0 24.4 36.6#



#44
2,2,4-Trimethylpentane
Concen: 0.012 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Tgt Ion: 57 Resp: 6097
Ion Ratio Lower Upper
57 100
41 0.0 24.7 37.1#
56 0.0 25.0 37.4#

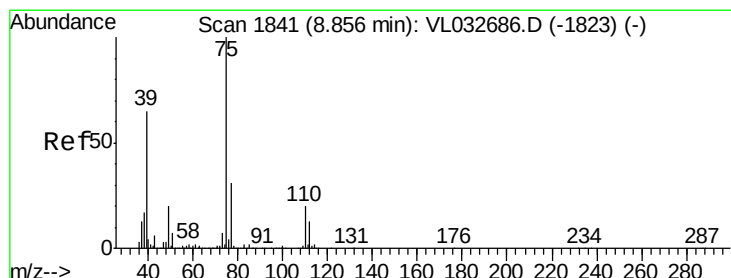
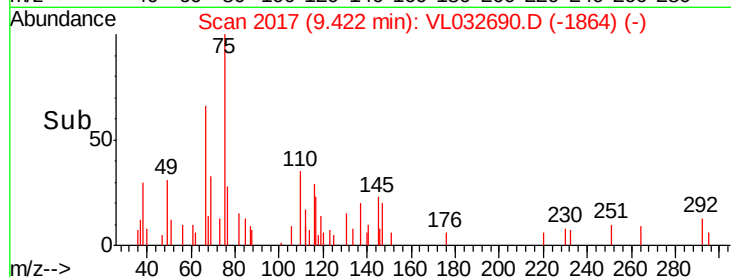
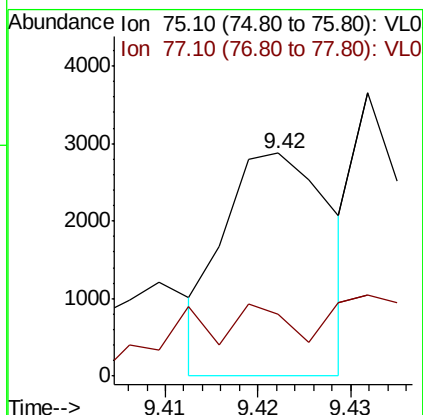
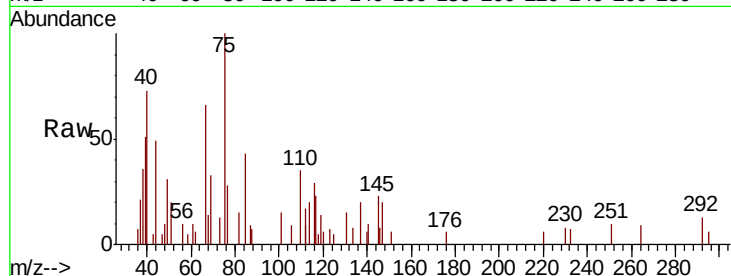




#45
t-1,3-Dichloropropene
Concen: 0.016 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. -0.01 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

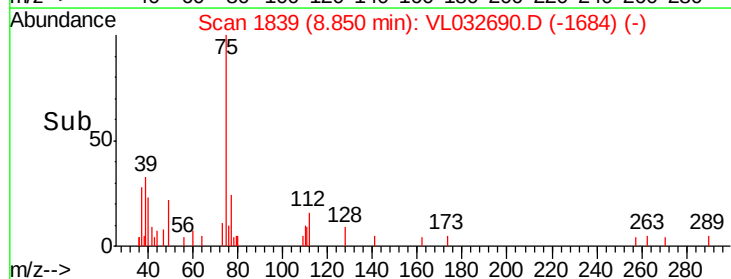
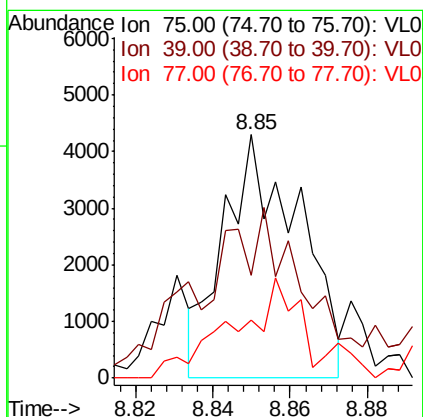
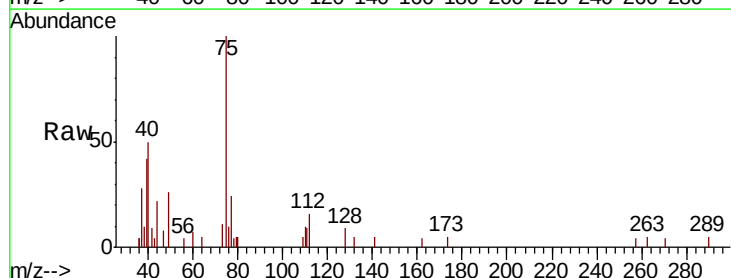
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2018

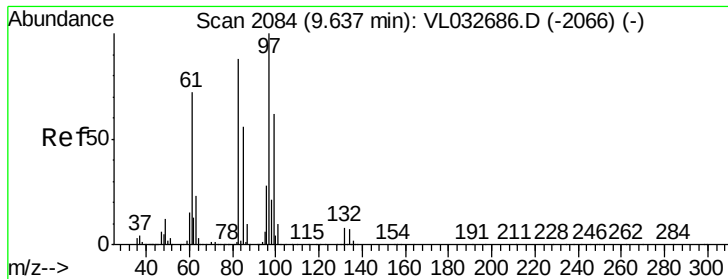
Tgt Ion: 75 Resp: 2308
Ion Ratio Lower Upper
75 100
77 27.8 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 0.036 ppbv
RT: 8.85 min Scan# 1839
Delta R.T. -0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Tgt Ion: 75 Resp: 5796
Ion Ratio Lower Upper
75 100
39 31.2 50.9 76.3#
77 21.0 25.8 38.6#

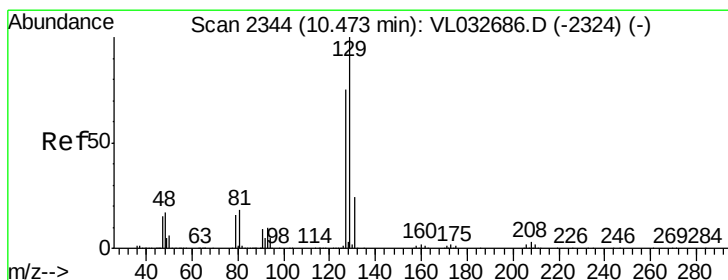
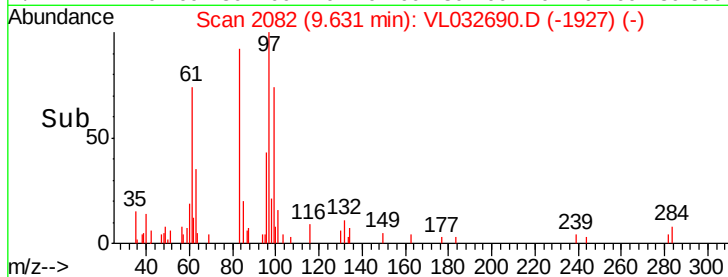
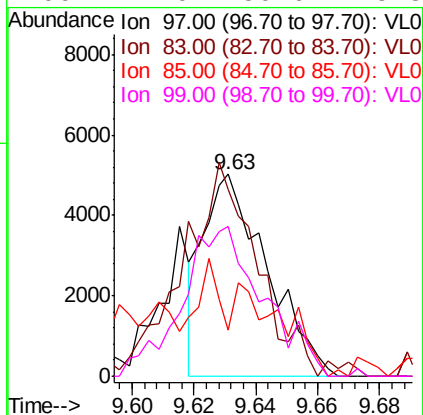
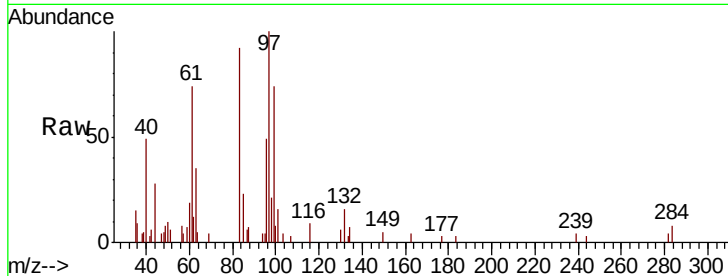




#47
 1,1,2-Trichloroethane
 Concen: 0.055 ppbv
 RT: 9.63 min Scan# 2082
 Delta R.T. -0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

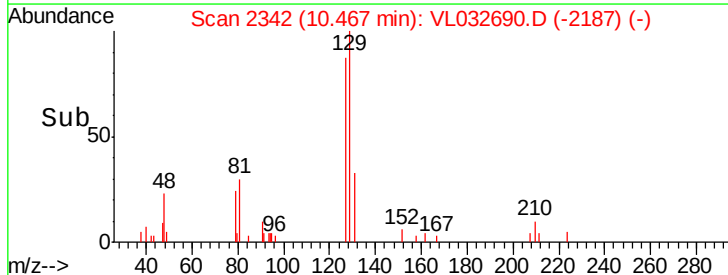
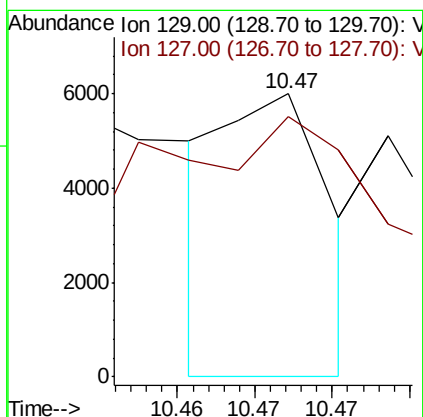
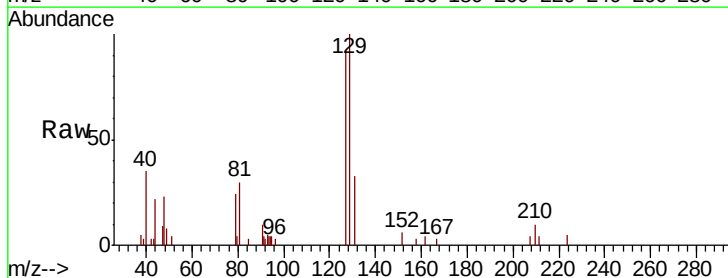
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

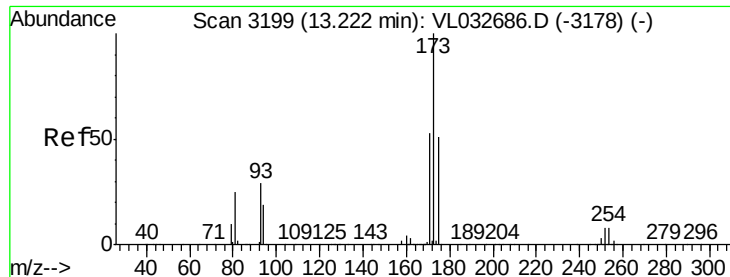
Tgt Ion: 97 Resp: 7211
 Ion Ratio Lower Upper
 97 100
 83 88.5 73.5 110.3
 85 19.8 45.8 68.6#
 99 74.0 50.6 75.8



#48
 Dibromochloromethane
 Concen: 0.013 ppbv
 RT: 10.47 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion: 129 Resp: 2848
 Ion Ratio Lower Upper
 129 100
 127 341.9 39.1 117.5#





#49

Bromoform

Concen: 0.035 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

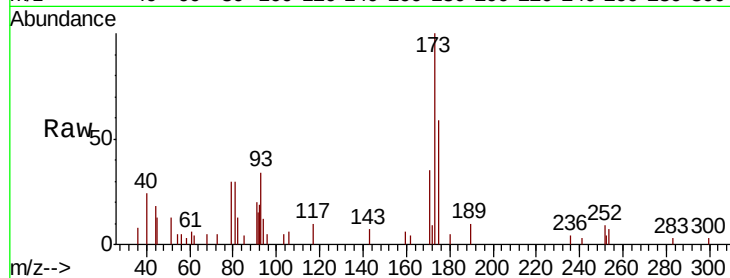
Tgt Ion:173 Resp: 6031

Ion Ratio Lower Upper

173 100

175 87.9 39.0 58.4#

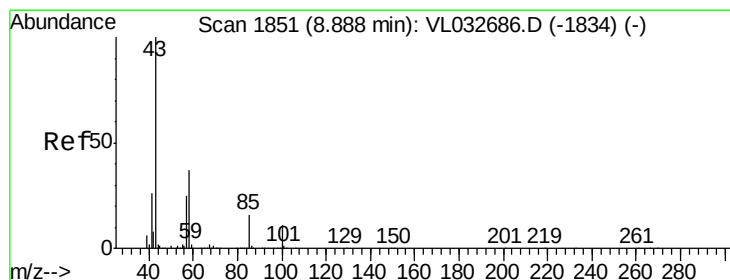
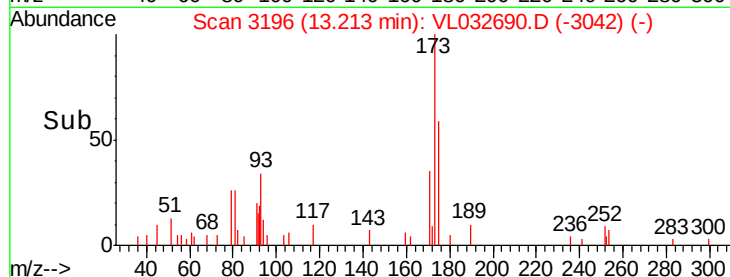
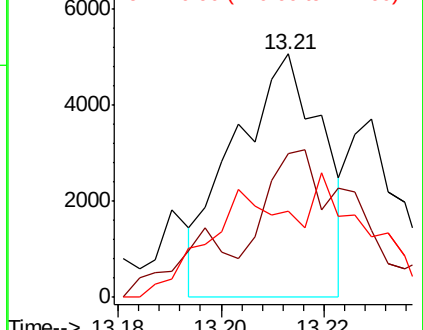
171 75.2 42.2 63.2#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 8.89 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VL032690.D

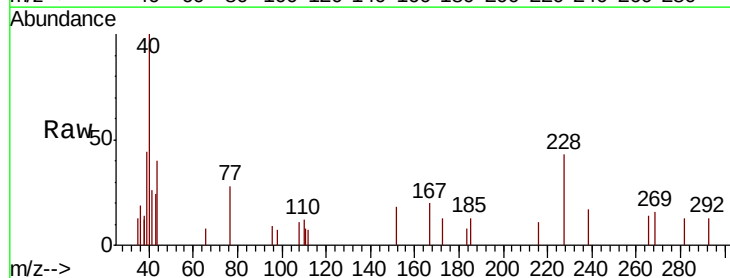
Acq: 24 Oct 2018 16:48

Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

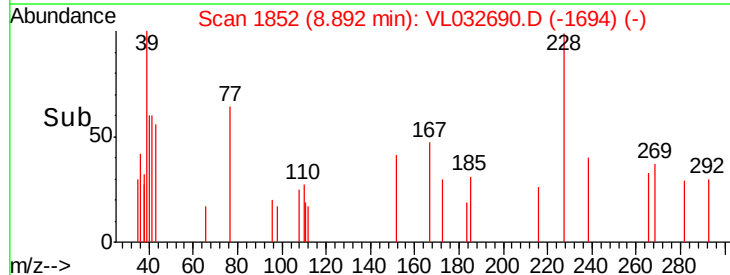
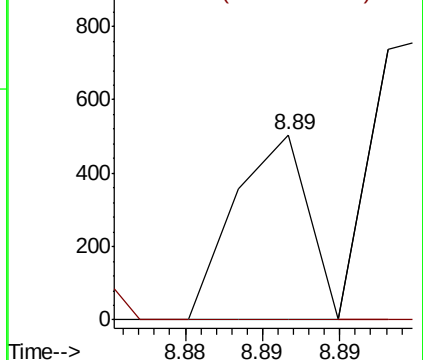
43 100

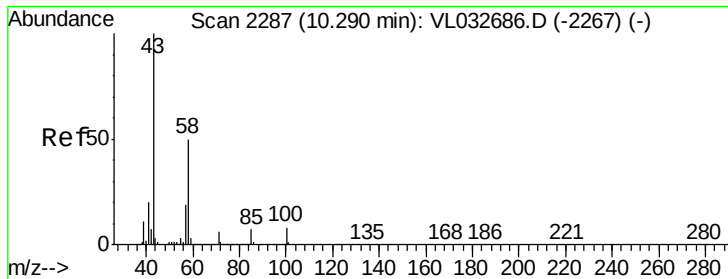
58 0.0 29.7 44.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.000 ppbv

RT: 10.29 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

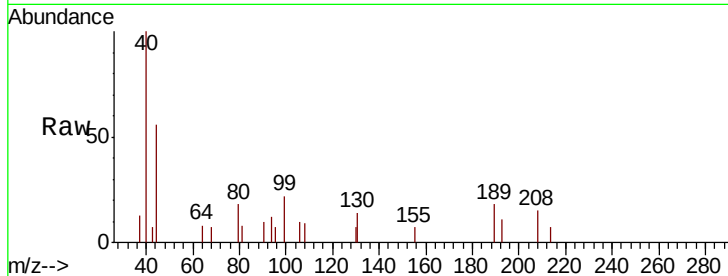
Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

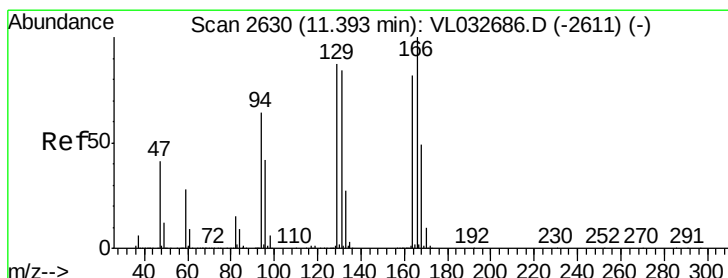
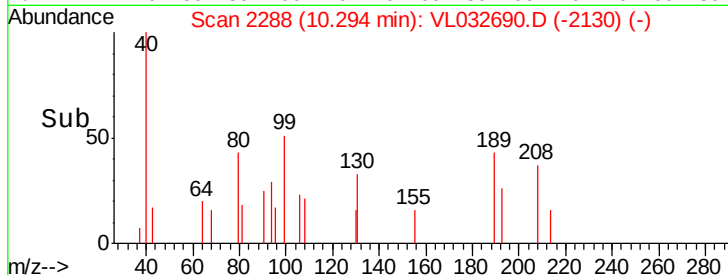
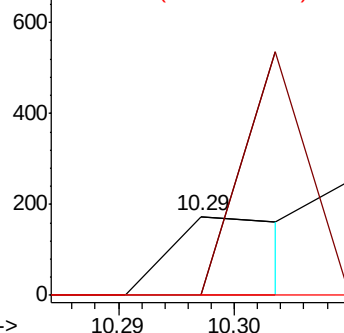
43 100

58 0.0 40.4 60.6#

98 0.0 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.041 ppbv

RT: 11.39 min Scan# 2629

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Tgt Ion: 164 Resp: 4098

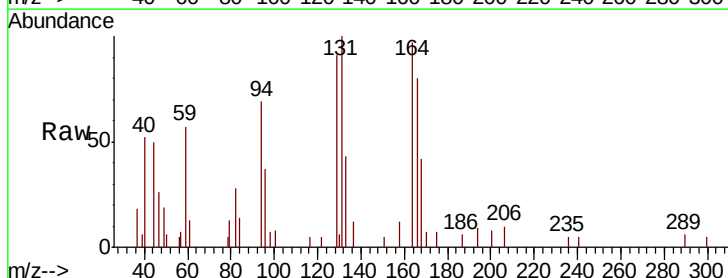
Ion Ratio Lower Upper

164 100

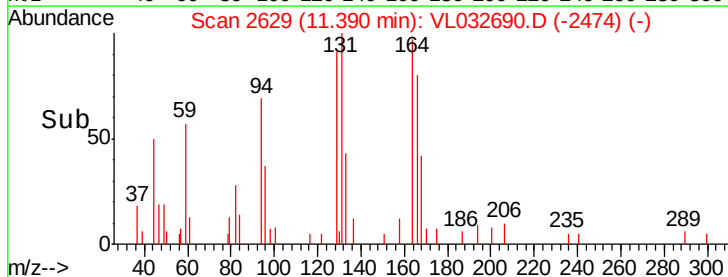
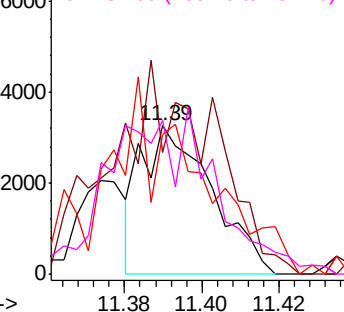
166 69.8 100.5 150.7#

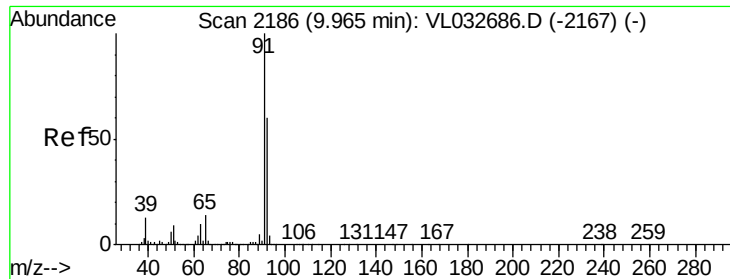
129 62.7 90.0 135.0#

131 88.5 86.6 129.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.009 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

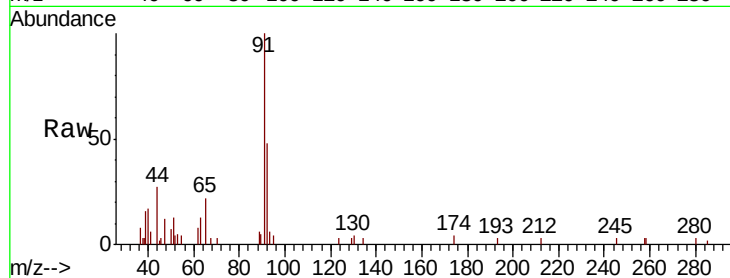
LOQ-AIR-02-QT4-2018

Tgt Ion: 91 Resp: 3067

Ion Ratio Lower Upper

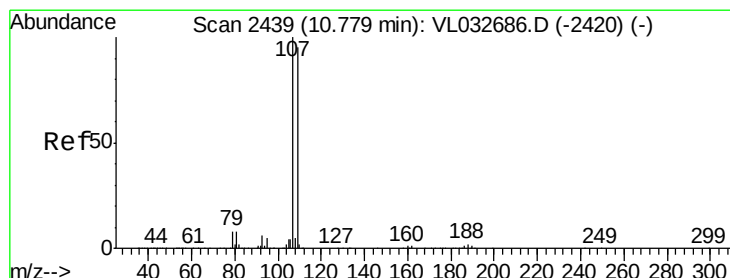
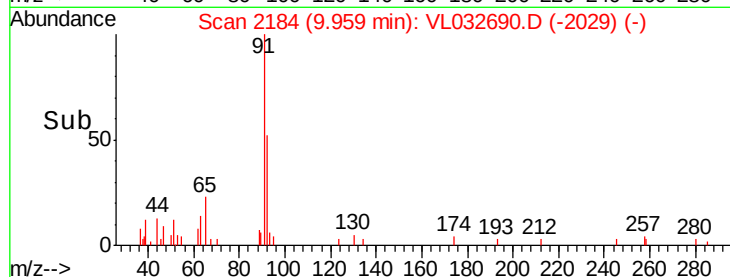
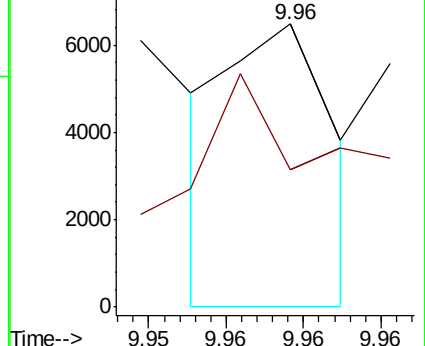
91 100

92 278.7 48.4 72.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.002 ppbv

RT: 10.80 min Scan# 2446

Delta R.T. 0.03 min

Lab File: VL032690.D

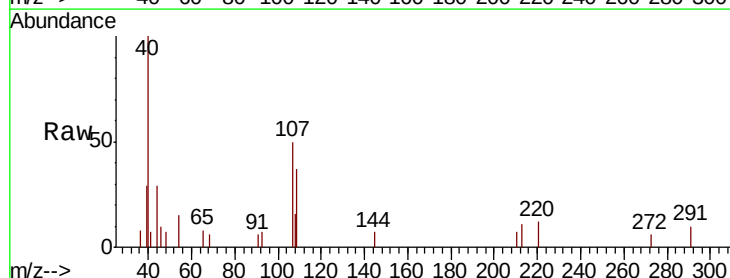
Acq: 24 Oct 2018 16:48

Tgt Ion: 107 Resp: 441

Ion Ratio Lower Upper

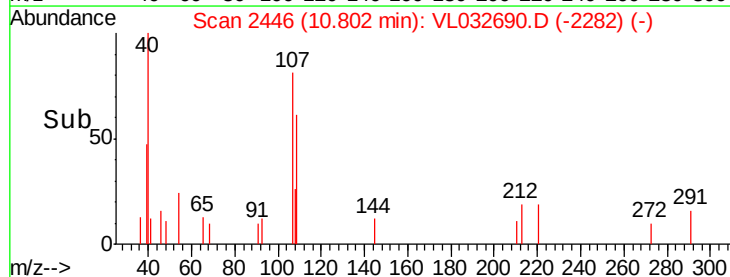
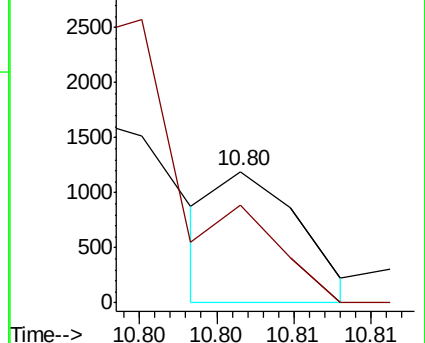
107 100

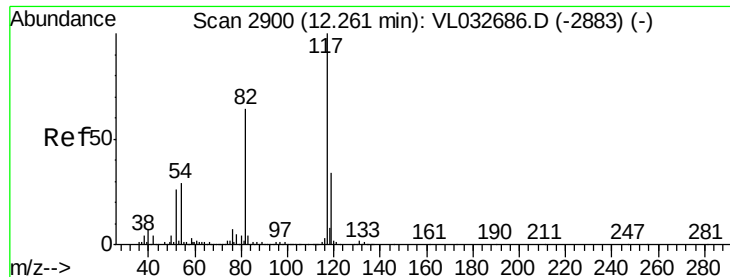
109 92.1 75.3 112.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

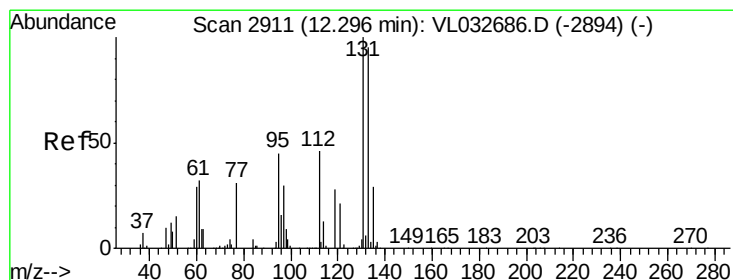
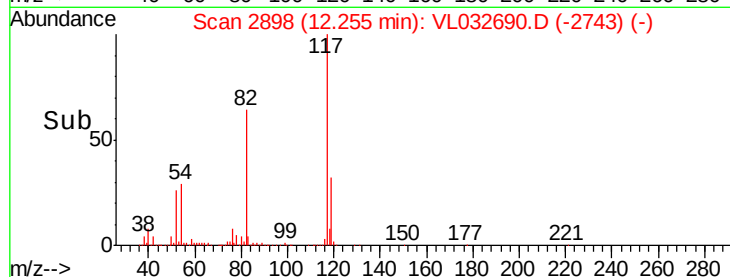
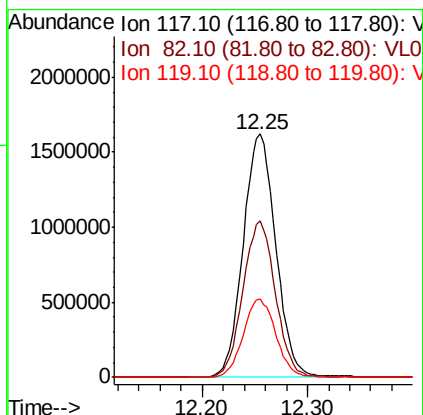
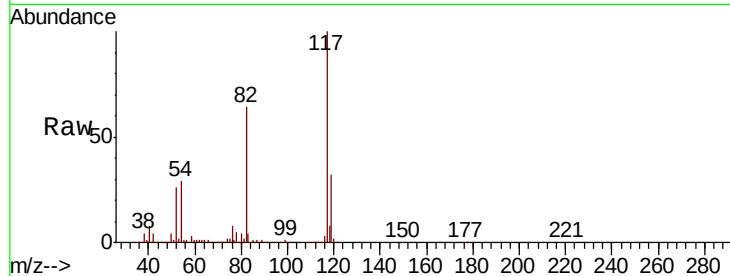




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

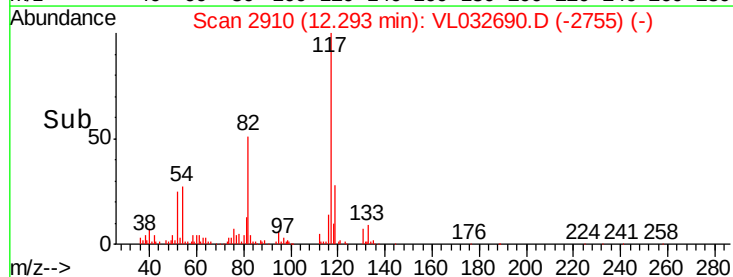
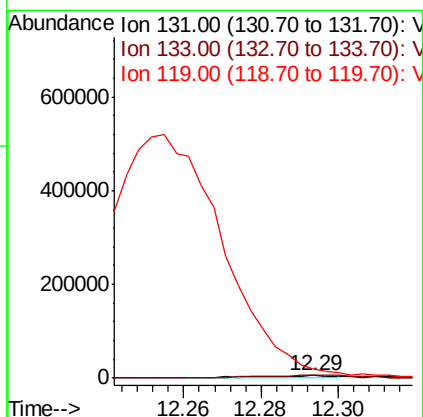
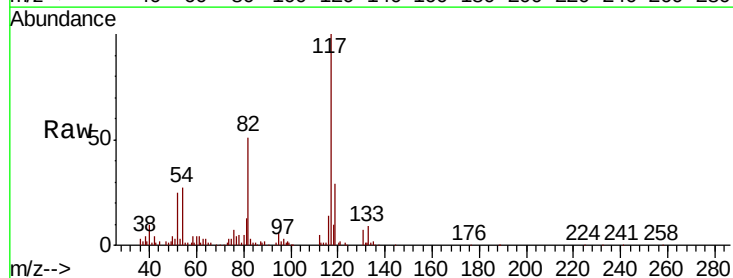
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2018

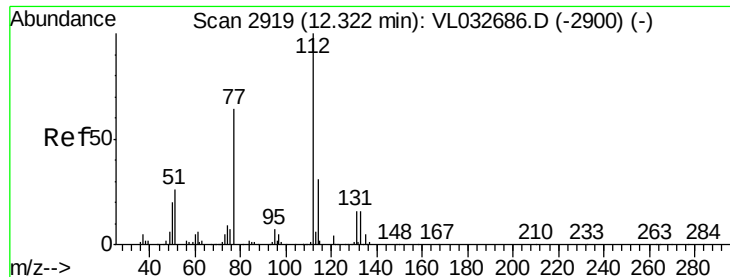
Tgt Ion:117 Resp: 3491085
Ion Ratio Lower Upper
117 100
82 64.3 52.7 79.1
119 32.6 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 0.049 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Tgt Ion:131 Resp: 7410
Ion Ratio Lower Upper
131 100
133 160.4 75.4 113.2#
119 0.0 49.1 73.7#

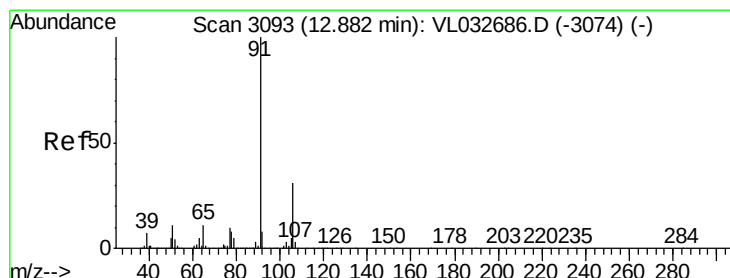
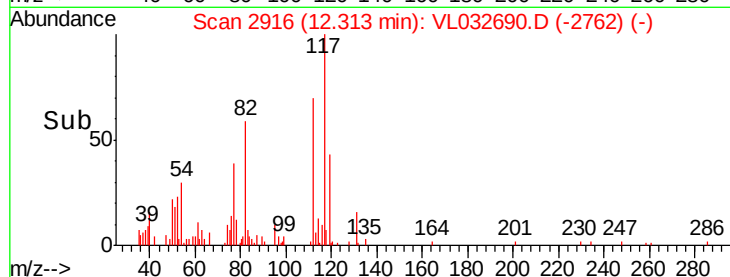
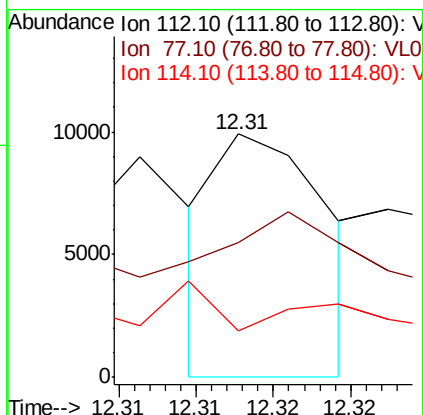
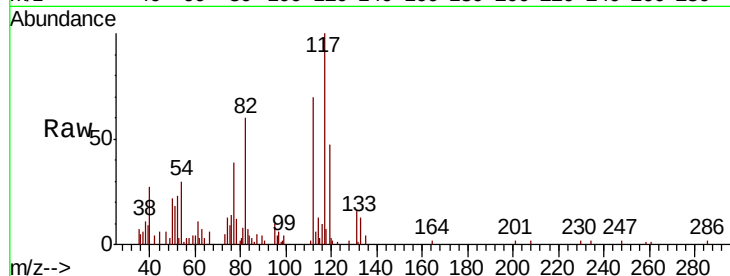




#57
Chlorobenzene
Concen: 0.019 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

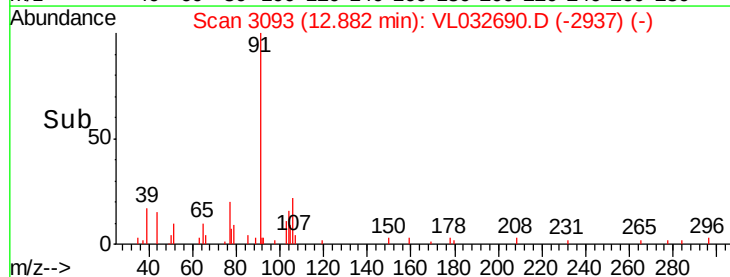
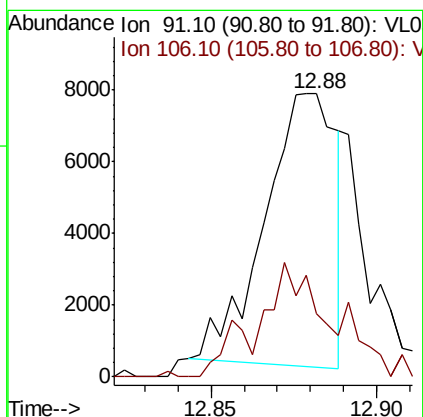
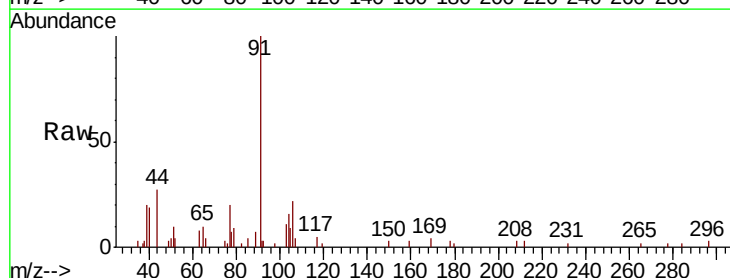
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2018

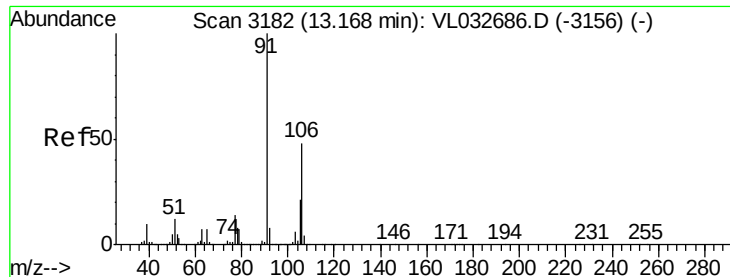
Tgt Ion: 112 Resp: 4890
Ion Ratio Lower Upper
112 100
77 22.1 56.8 85.2#
114 0.0 30.3 37.1#



#58
Ethyl Benzene
Concen: 0.028 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. 0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Tgt Ion: 91 Resp: 11307
Ion Ratio Lower Upper
91 100
106 27.0 24.2 36.2





#59

m/p-Xylene

Concen: 0.015 ppbv

RT: 13.16 min Scan# 3179

Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

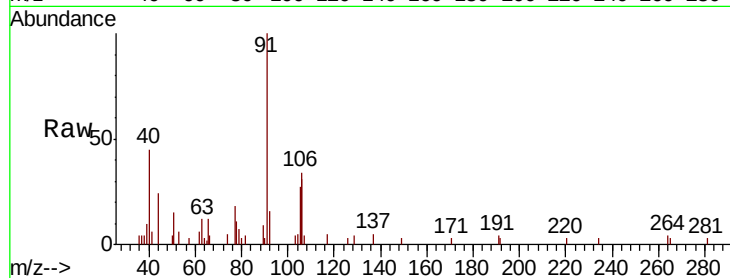
LOQ-AIR-02-QT4-2018

Tgt Ion: 91 Resp: 5342

Ion Ratio Lower Upper

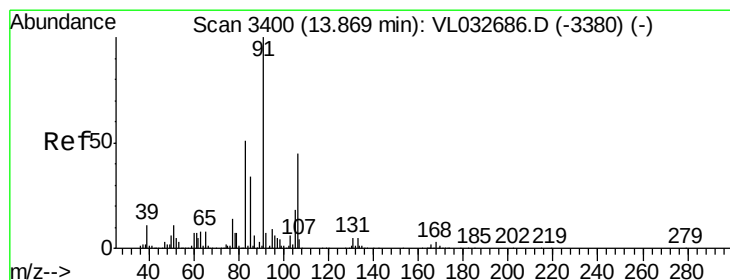
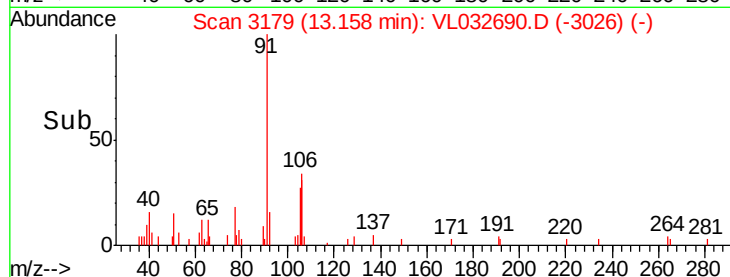
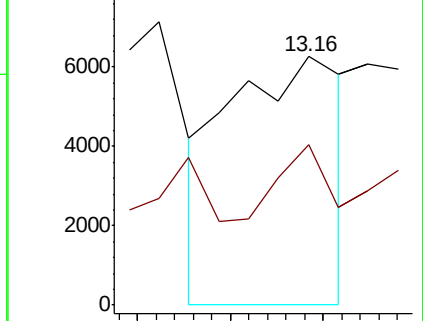
91 100

106 231.1 35.9 53.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.012 ppbv

RT: 13.86 min Scan# 3398

Delta R.T. -0.01 min

Lab File: VL032690.D

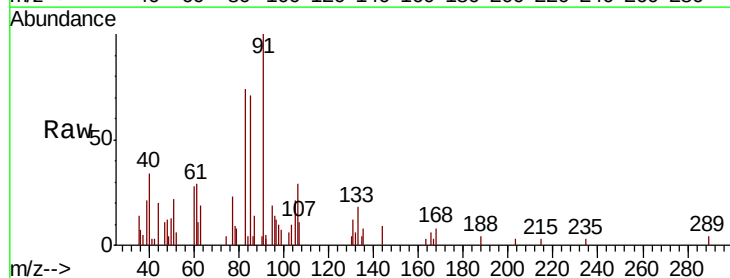
Acq: 24 Oct 2018 16:48

Tgt Ion: 91 Resp: 4333

Ion Ratio Lower Upper

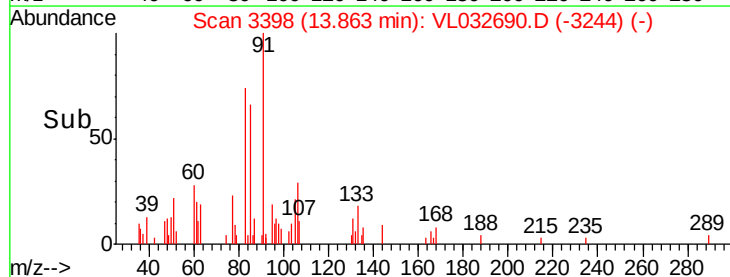
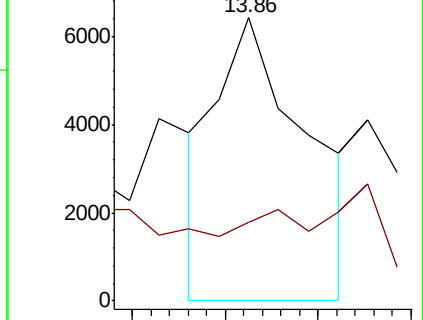
91 100

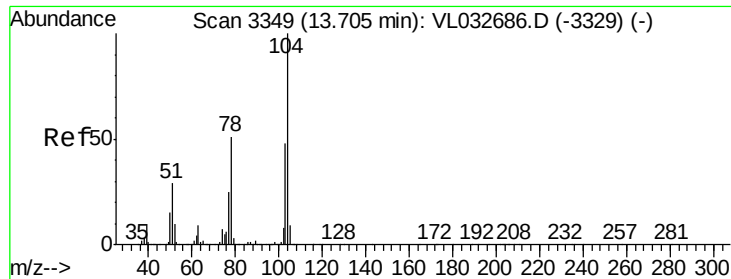
106 0.0 22.1 66.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.014 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

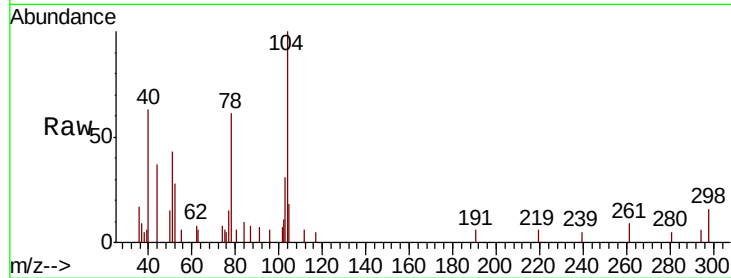
Tgt Ion:104 Resp: 3374

Ion Ratio Lower Upper

104 100

78 0.0 42.8 64.2#

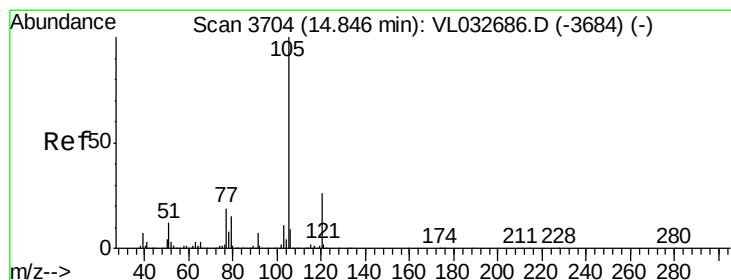
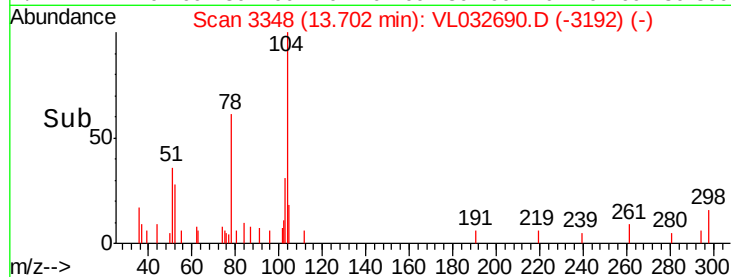
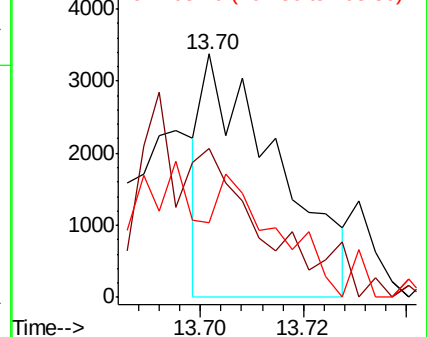
103 0.0 37.4 56.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.044 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL032690.D

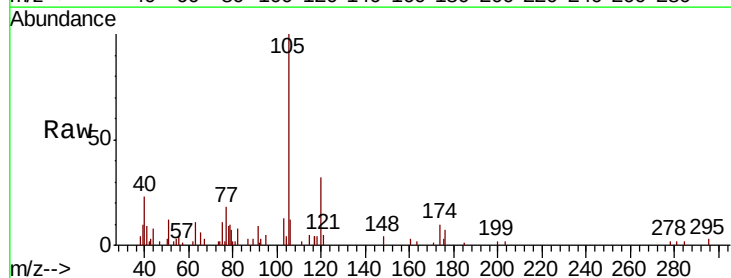
Acq: 24 Oct 2018 16:48

Tgt Ion:105 Resp: 21635

Ion Ratio Lower Upper

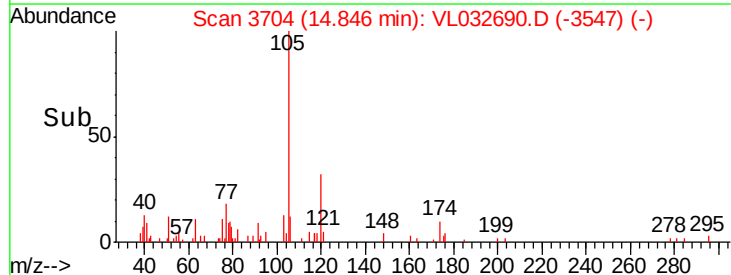
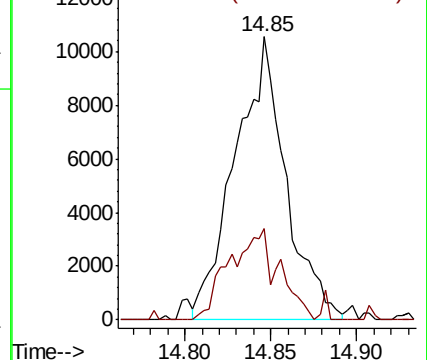
105 100

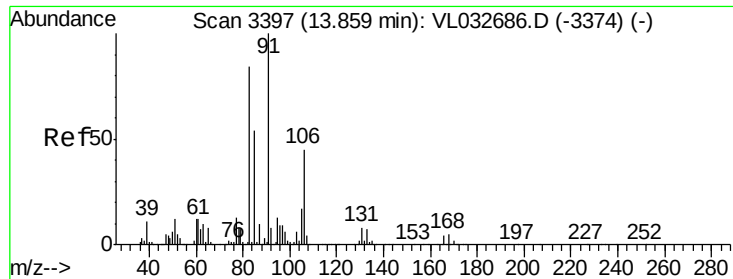
120 32.5 20.5 30.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

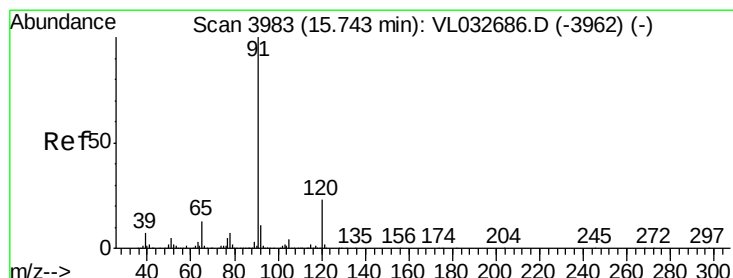
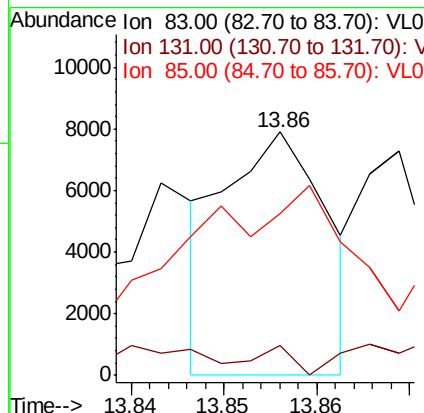
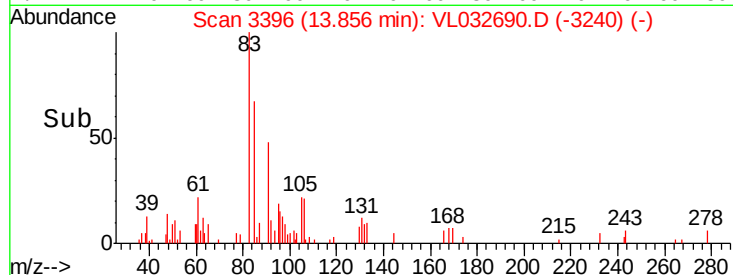
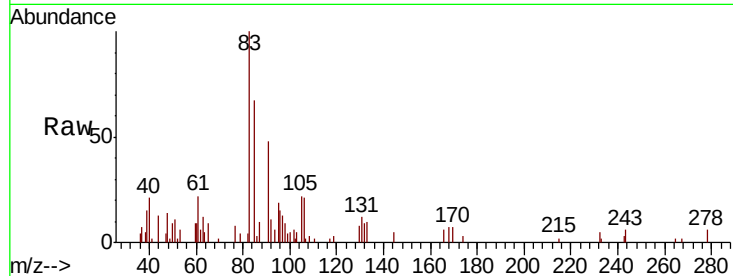




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.022 ppbv
 RT: 13.86 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

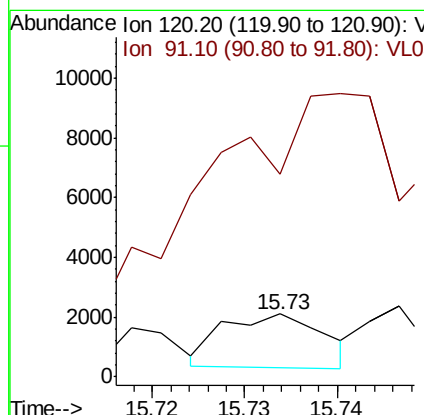
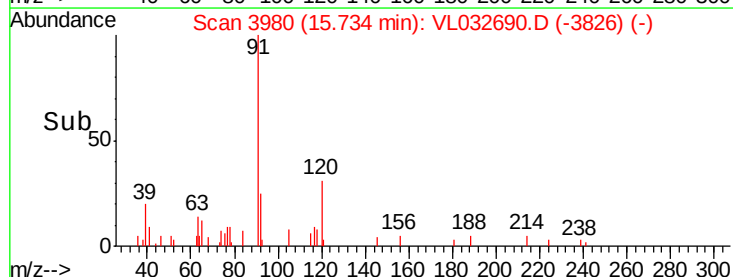
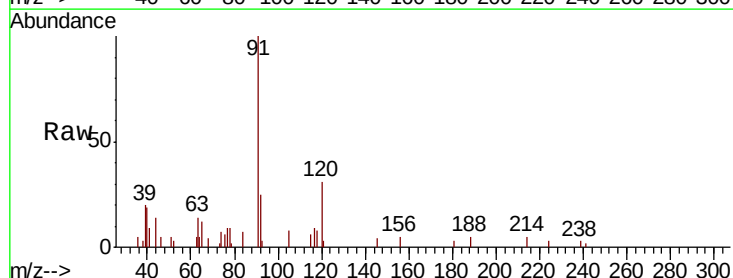
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

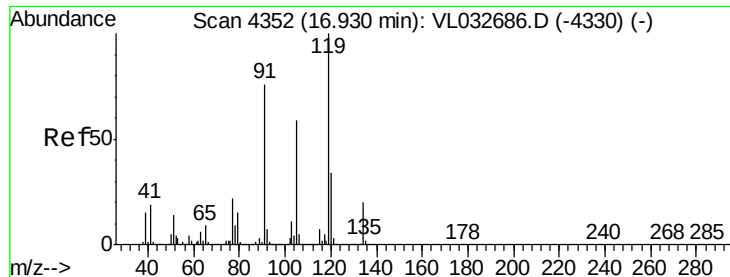
Tgt Ion: 83 Resp: 6047
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.9#
 85 225.2 32.3 96.9#



#64
 n-propylbenzene
 Concen: 0.011 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. -0.01 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion: 120 Resp: 1361
 Ion Ratio Lower Upper
 120 100
 91 0.0 390.2 585.2#





#65

tert-Butylbenzene

Concen: 0.008 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

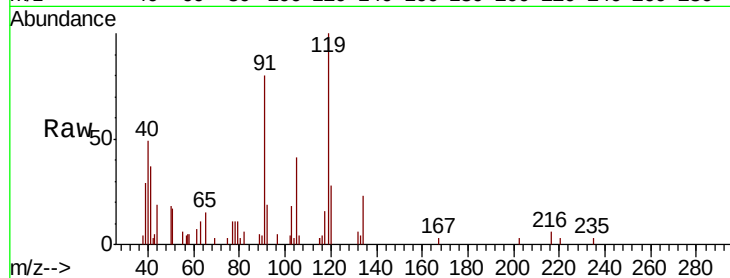
Tgt Ion: 119 Resp: 3565

Ion Ratio Lower Upper

119 100

91 0.0 67.8 101.8#

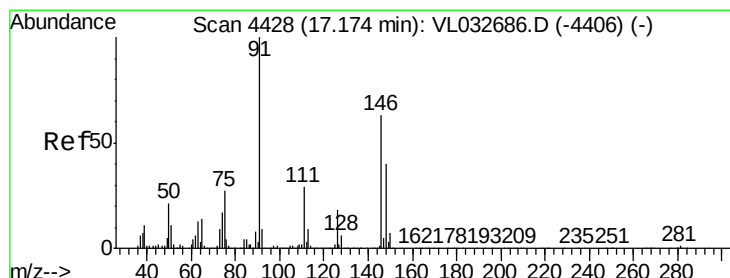
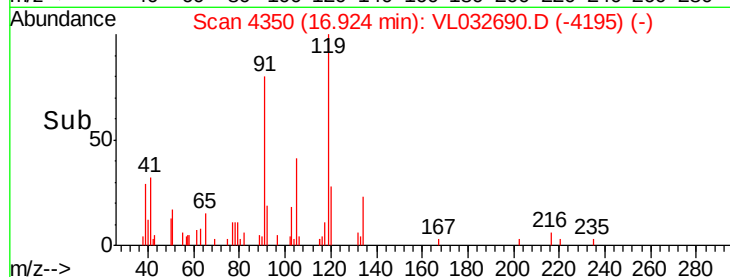
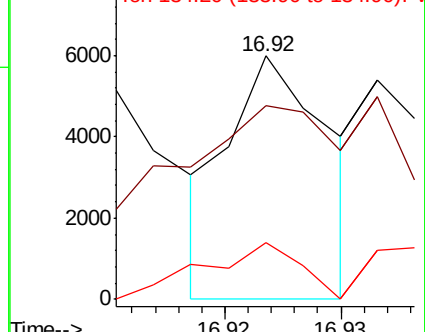
134 60.6 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.007 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

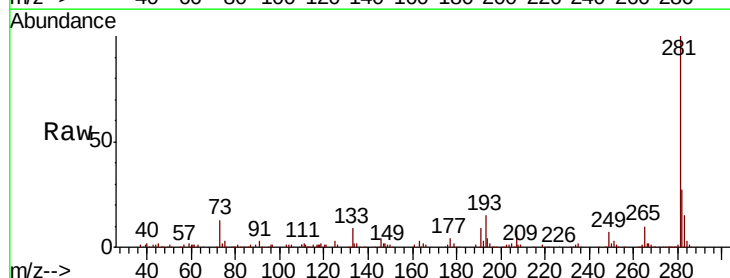
Tgt Ion: 91 Resp: 1510

Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

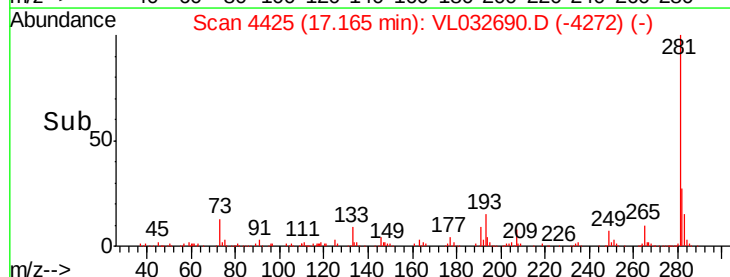
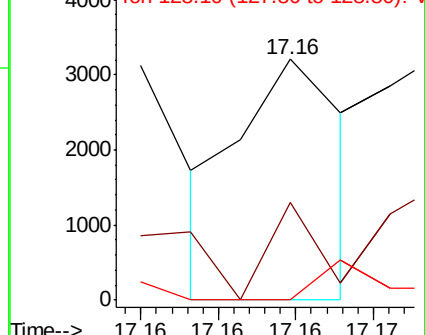
128 0.0 4.3 6.5#

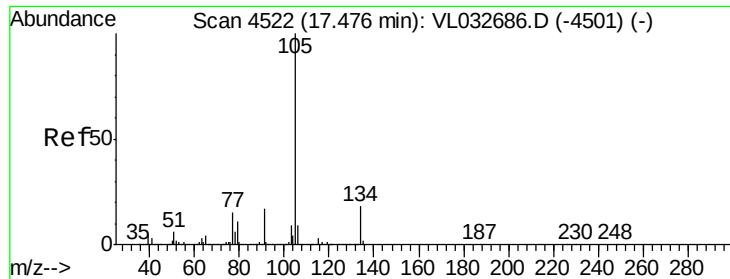


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

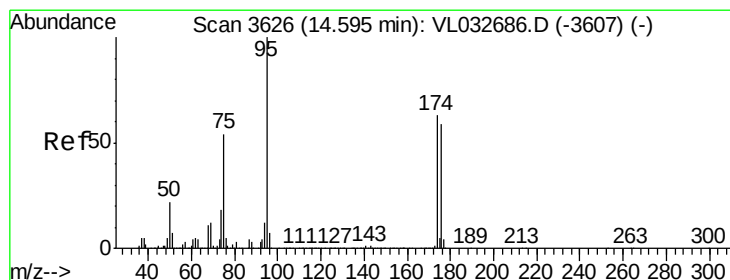
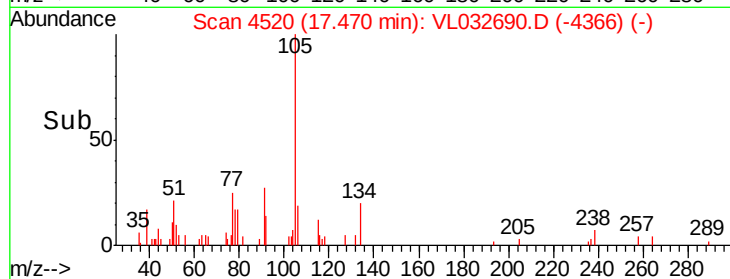
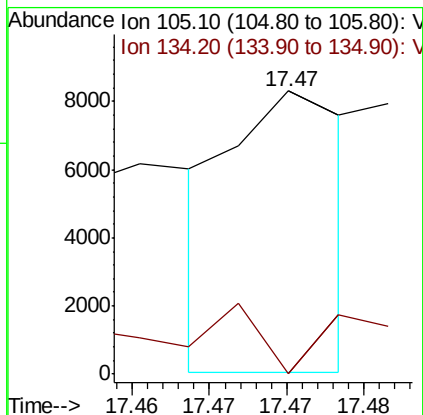
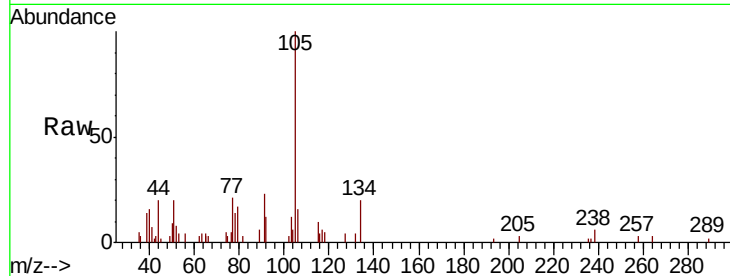




#67
 sec-Butylbenzene
 Concen: 0.007 ppbv
 RT: 17.47 min Scan# 4520
 Delta R.T. -0.01 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

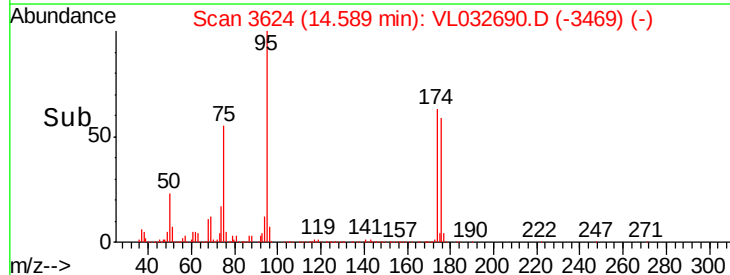
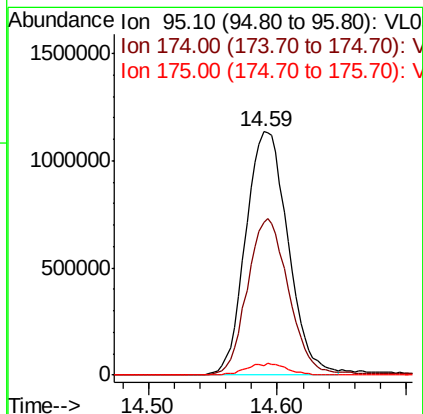
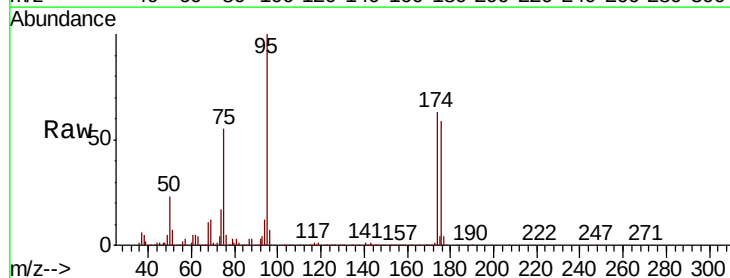
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

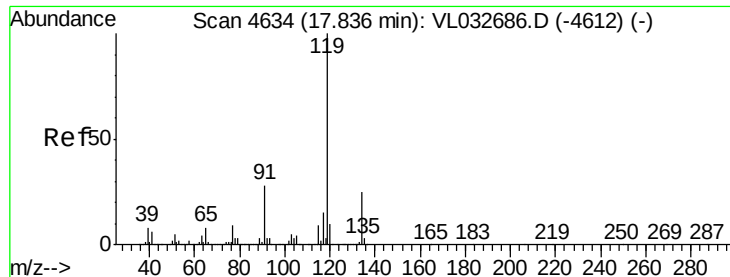
Tgt Ion: 105 Resp: 4337
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.2 21.2#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.989 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. -0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion: 95 Resp: 2596490
 Ion Ratio Lower Upper
 95 100
 174 64.3 46.0 69.0
 175 4.5 3.4 5.0





#69

p-Isopropyltoluene

Concen: 0.018 ppbv

RT: 17.83 min Scan# 4632

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

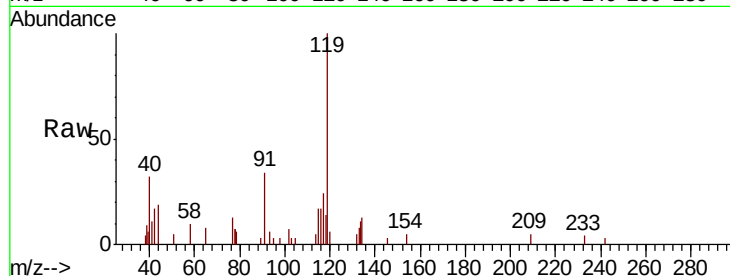
Tgt Ion: 119 Resp: 8588

Ion Ratio Lower Upper

119 100

134 38.8 20.2 30.2#

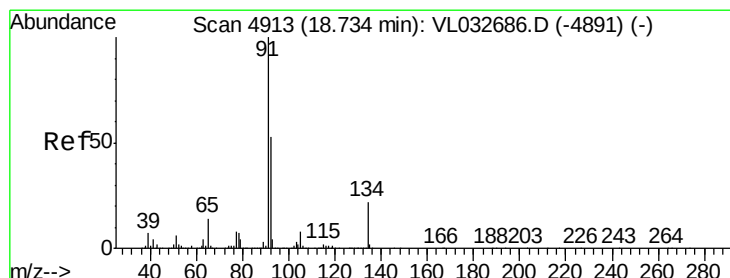
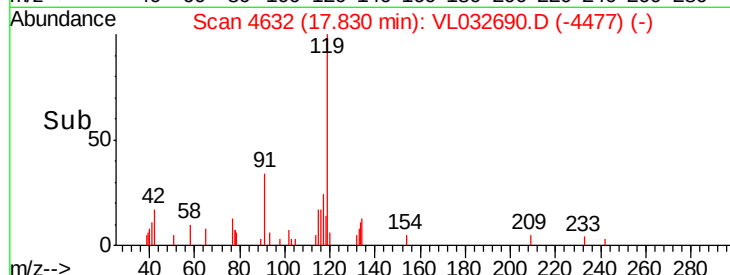
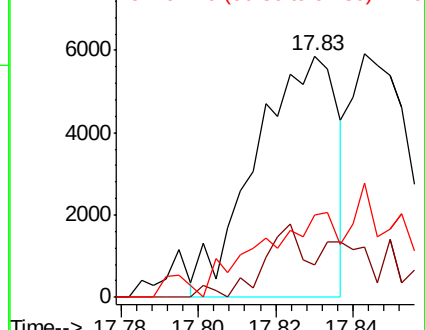
91 0.0 24.0 36.0#



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



#70

n-Butylbenzene

Concen: 0.014 ppbv

RT: 18.72 min Scan# 4910

Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

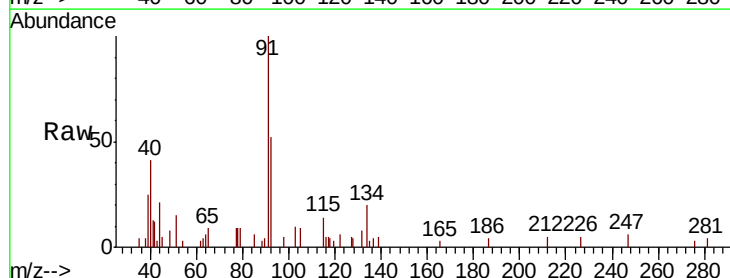
Tgt Ion: 91 Resp: 6826

Ion Ratio Lower Upper

91 100

92 0.0 43.0 64.4#

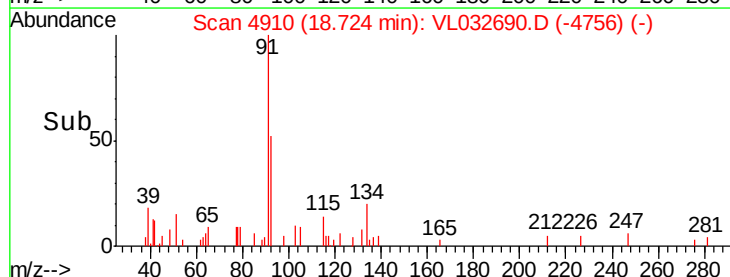
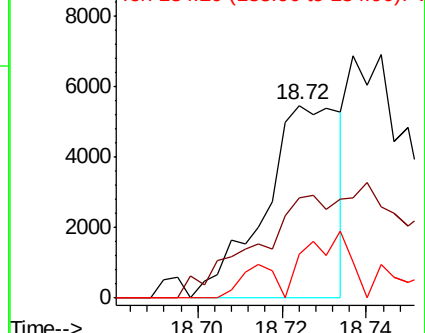
134 0.0 17.0 25.6#

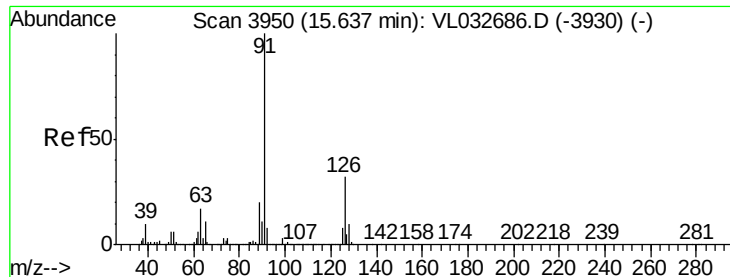


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

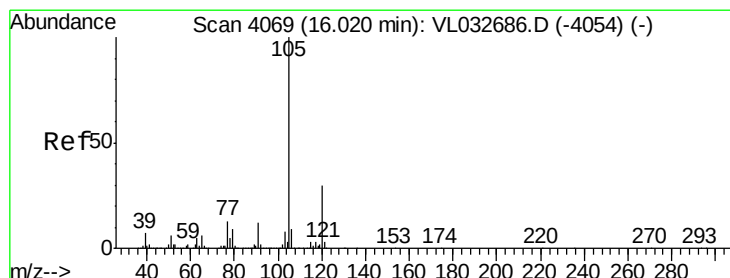
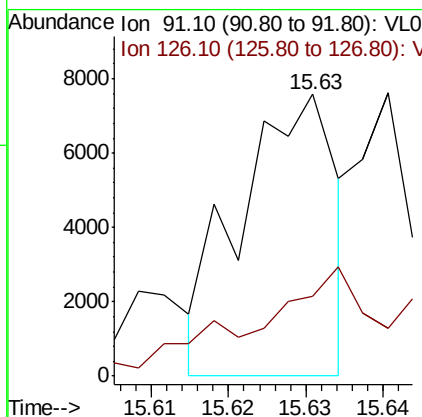
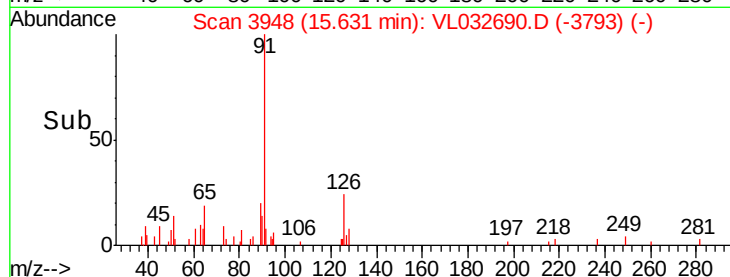
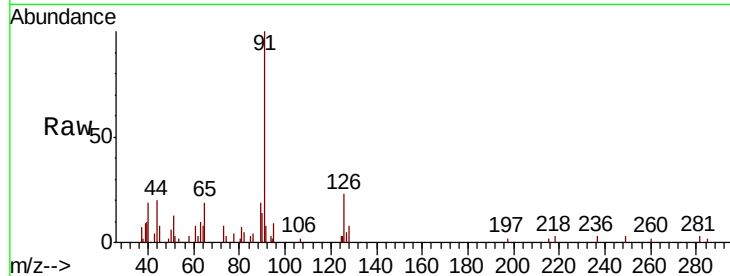




#71
2-Chlorotoluene
Concen: 0.019 ppbv
RT: 15.63 min Scan# 3948
Delta R.T. -0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

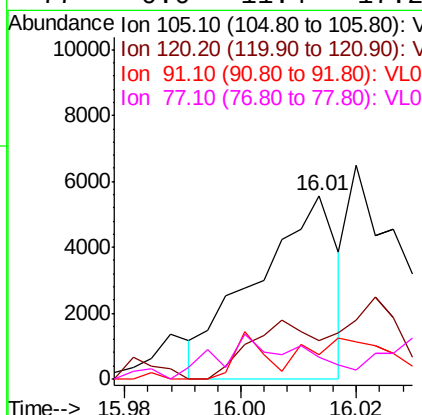
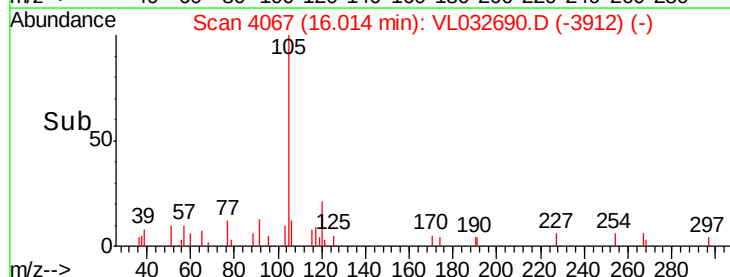
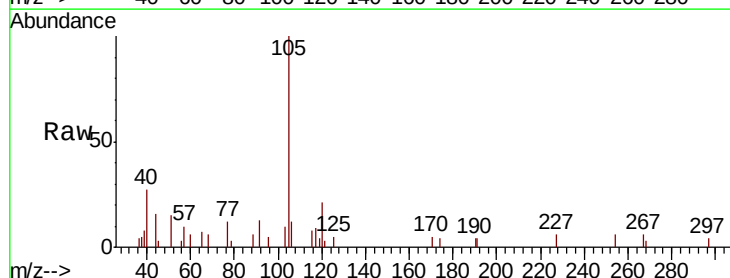
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2018

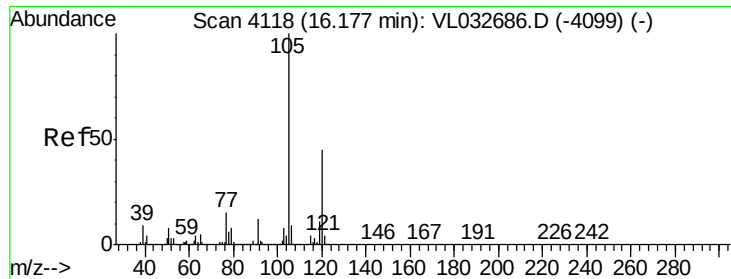
Tgt Ion: 91 Resp: 6537
Ion Ratio Lower Upper
91 100
126 73.5 11.8 47.4#



#72
4-Ethyltoluene
Concen: 0.015 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. -0.00 min
Lab File: VL032690.D
Acq: 24 Oct 2018 16:48

Tgt Ion: 105 Resp: 5402
Ion Ratio Lower Upper
105 100
120 0.0 23.7 35.5#
91 40.5 10.4 15.6#
77 0.0 11.4 17.2#

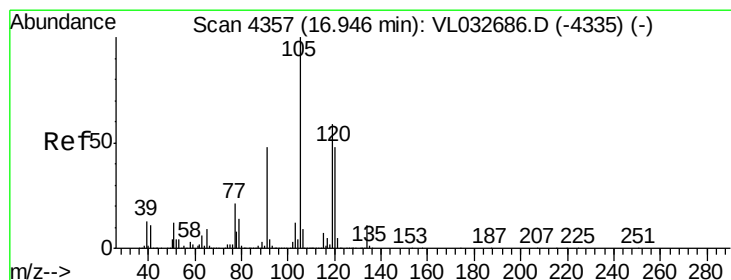
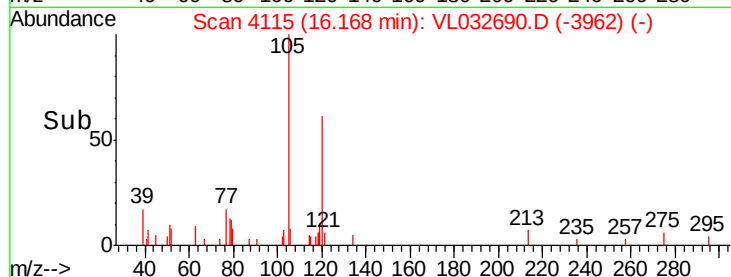
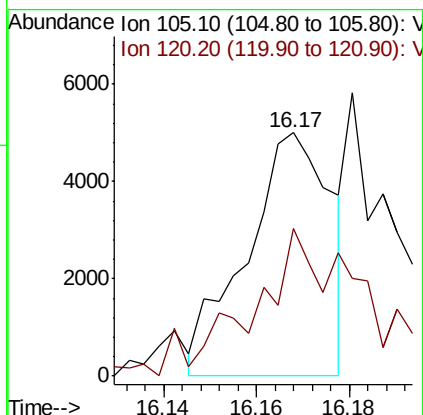
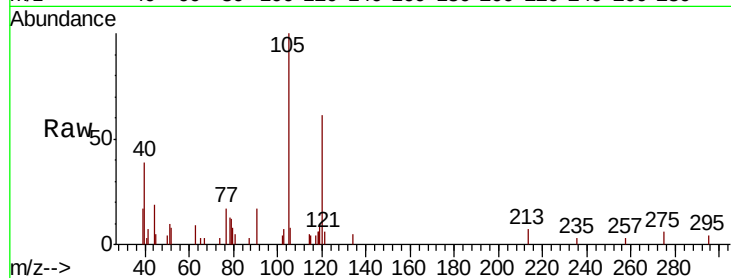




#73
 1,3,5-Trimethylbenzene
 Concen: 0.017 ppbv
 RT: 16.17 min Scan# 4115
 Delta R.T. -0.01 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

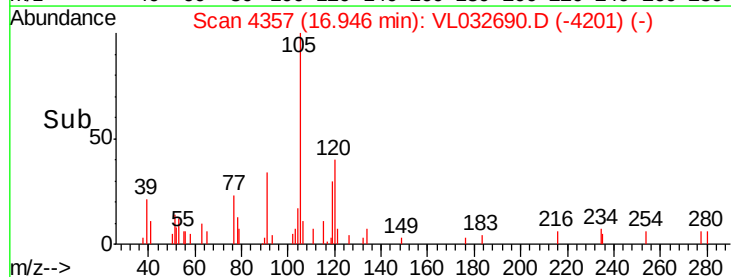
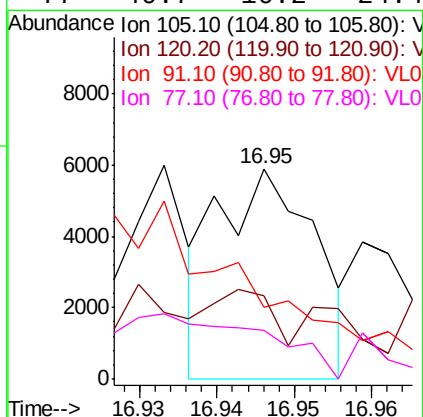
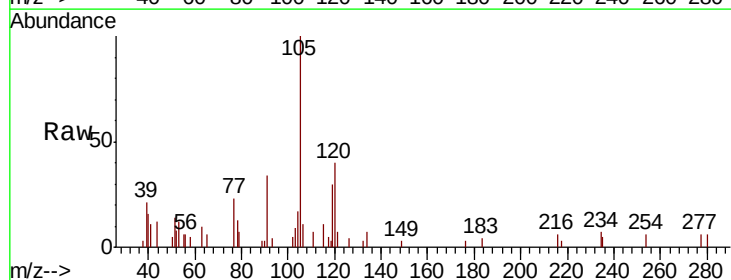
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

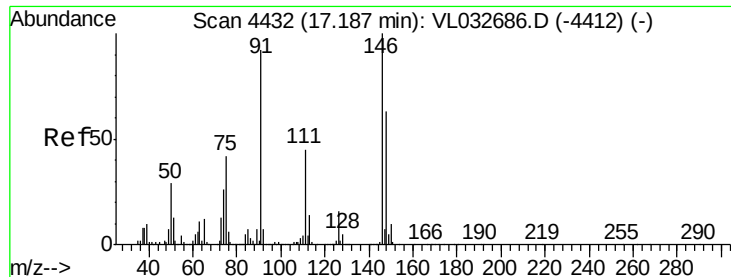
Tgt Ion:105 Resp: 6321
 Ion Ratio Lower Upper
 105 100
 120 62.8 35.4 53.2#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.013 ppbv
 RT: 16.95 min Scan# 4357
 Delta R.T. 0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion:105 Resp: 5162
 Ion Ratio Lower Upper
 105 100
 120 19.5 35.8 53.8#
 91 13.7 33.2 49.8#
 77 40.7 16.2 24.4#





#75

1,3-Dichlorobenzene

Concen: 0.020 ppbv

RT: 17.18 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

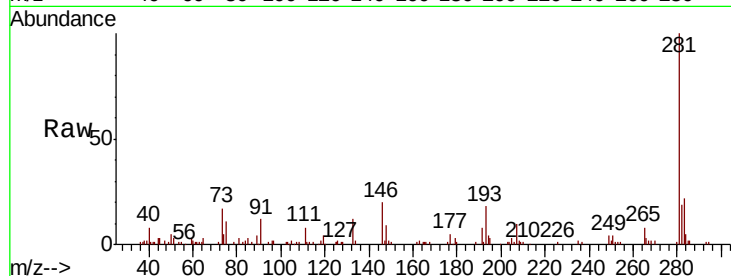
Tgt Ion:146 Resp: 4512

Ion Ratio Lower Upper

146 100

111 0.0 24.4 73.2#

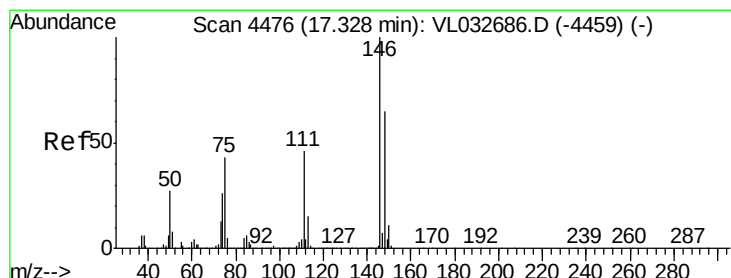
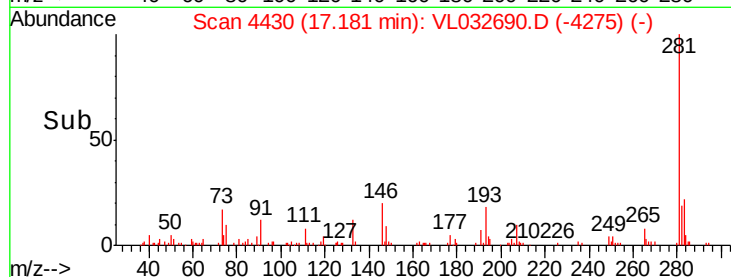
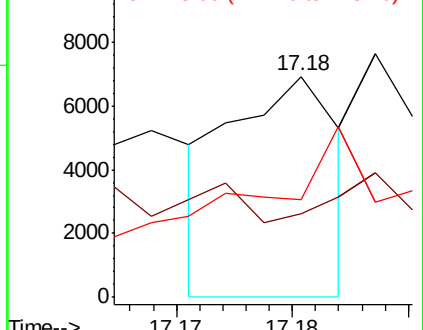
148 0.0 31.9 95.9#



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



#76

1,4-Dichlorobenzene

Concen: 0.024 ppbv

RT: 17.32 min Scan# 4473

Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

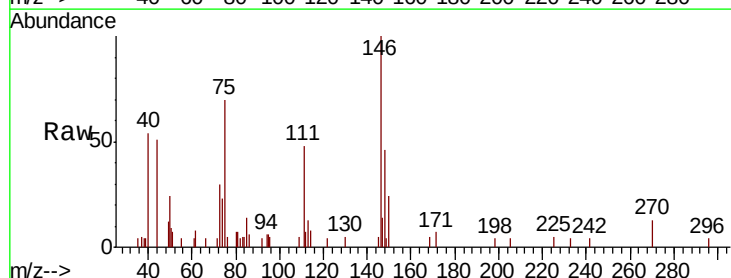
Tgt Ion:146 Resp: 5005

Ion Ratio Lower Upper

146 100

111 0.0 23.7 71.1#

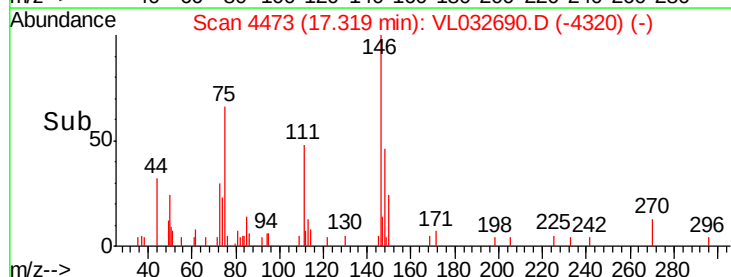
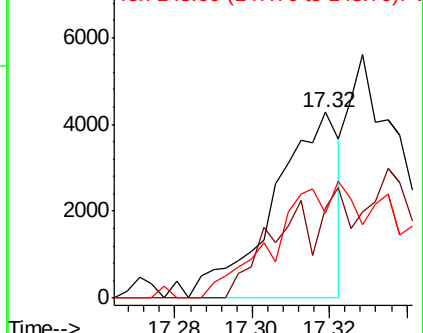
148 133.1 32.1 96.3#

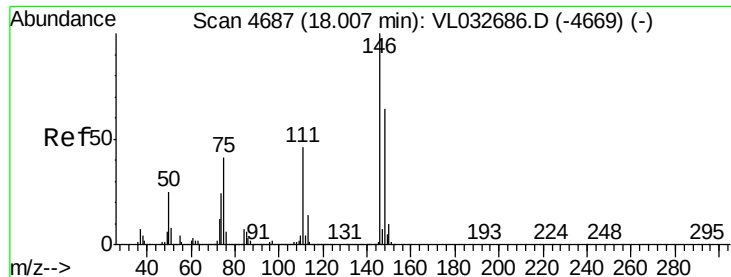


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

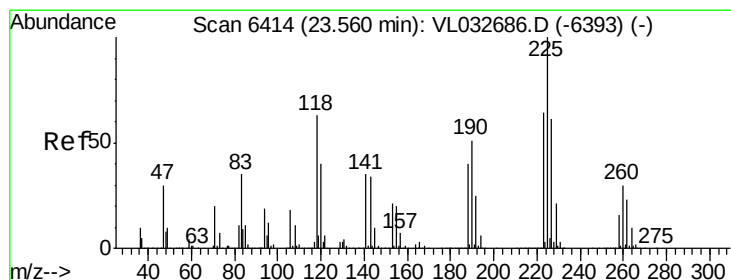
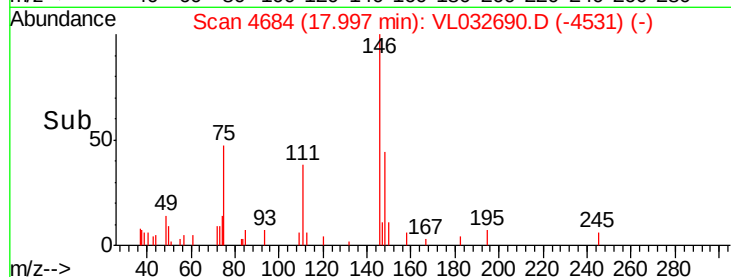
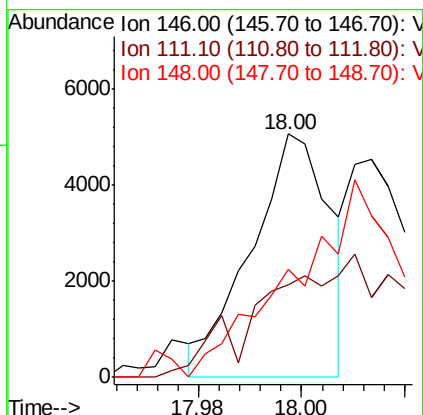
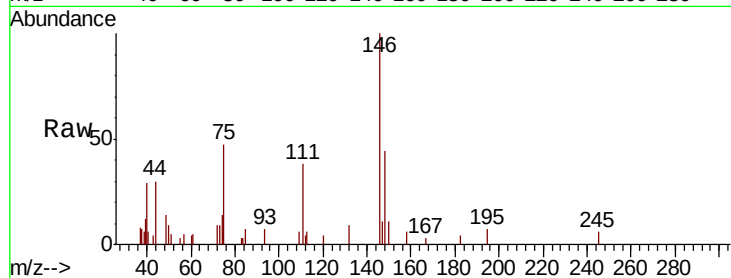




#77
 1,2-Dichlorobenzene
 Concen: 0.026 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. -0.01 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

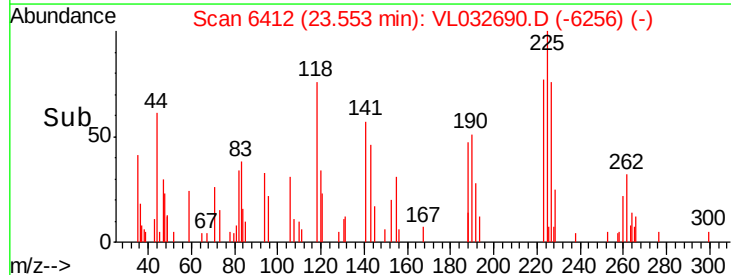
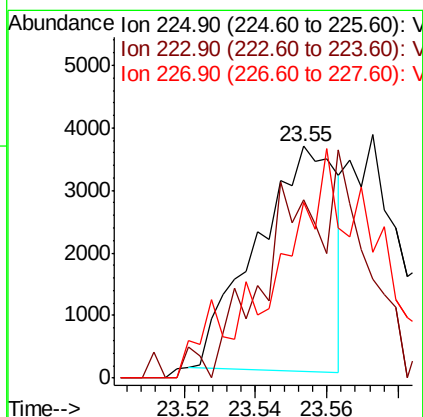
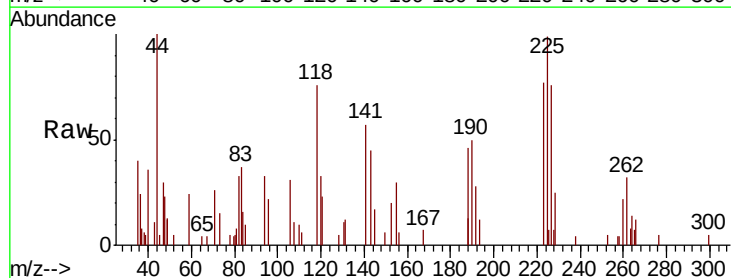
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

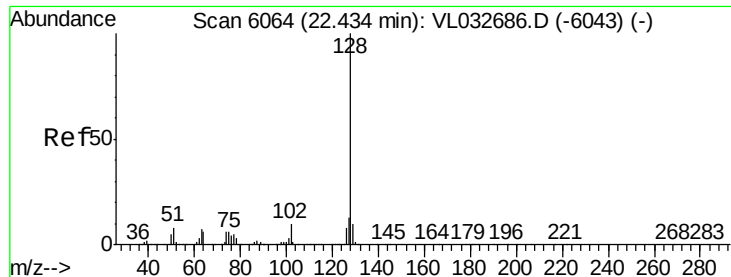
Tgt Ion:146 Resp: 5366
 Ion Ratio Lower Upper
 146 100
 111 0.0 25.3 75.8#
 148 0.0 31.9 95.9#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.056 ppbv
 RT: 23.55 min Scan# 6412
 Delta R.T. 0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion:225 Resp: 5559
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.7 76.1#
 227 0.0 50.7 76.1#





#79

Naphthalene

Concen: 0.006 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2018

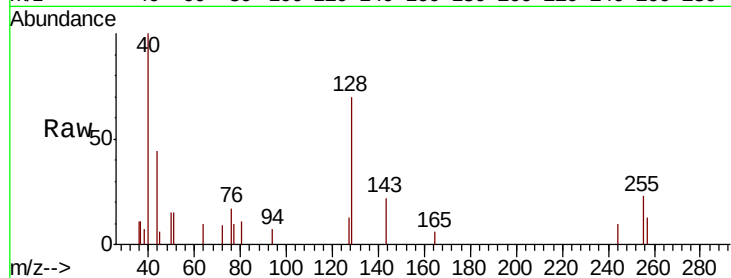
Tgt Ion:128 Resp: 1470

Ion Ratio Lower Upper

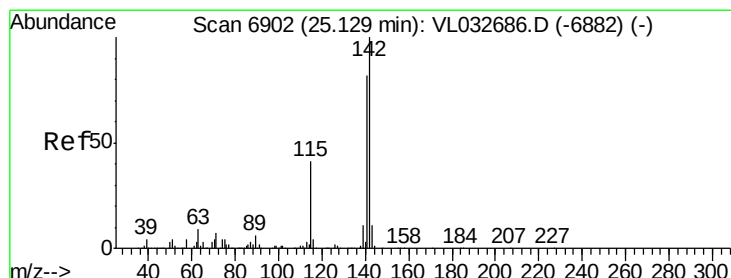
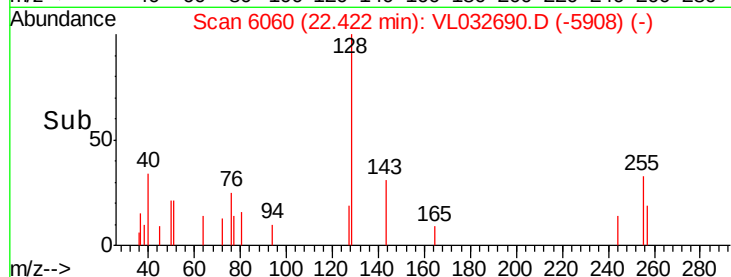
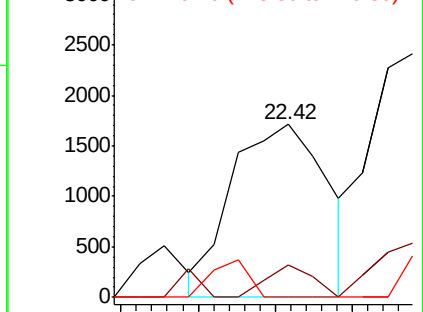
128 100

127 22.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.012 ppbv

RT: 25.13 min Scan# 6903

Delta R.T. 0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

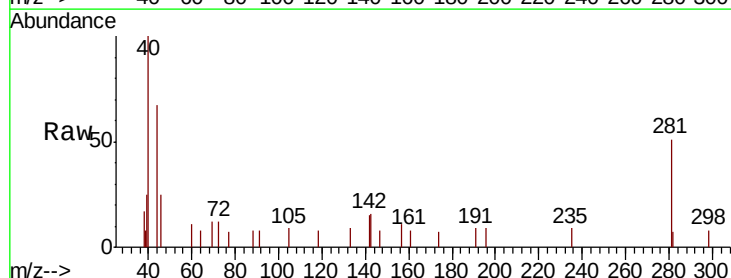
Tgt Ion:142 Resp: 690

Ion Ratio Lower Upper

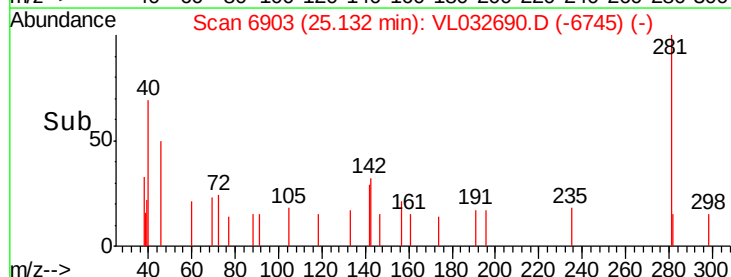
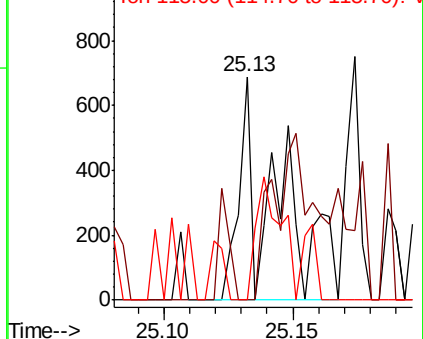
142 100

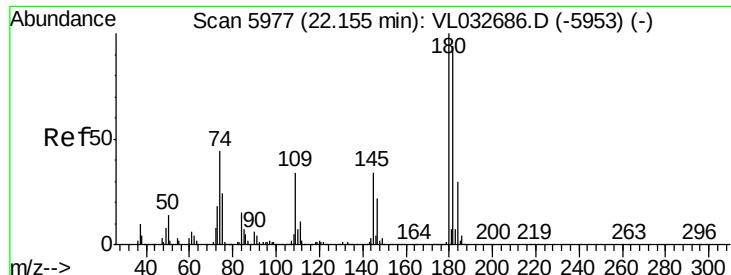
141 82.6 67.5 101.3

115 73.2 33.5 50.3#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.007 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. -0.01 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

Tgt Ion:	180	Resp:	881
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.5	114.7#
184	0.0	24.7	37.1#

