

Data File : VL033603.D

Acq On : 17 Apr 2019 15:37

Operator : SY/AP

Sample : K2241-14 1 PPB

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Quant Time: Apr 18 05:38:52 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	848568	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2073098	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2060794	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1642660	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	135220	1.093	ppbv	97
3) Chlorodifluoromethane	3.01	51	99859	1.022	ppbv	98
4) Chloromethane	3.17	50	52854	1.022	ppbv	100
5) Vinyl Chloride	3.29	62	51447	1.013	ppbv	97
6) Bromomethane	3.51	94	33847	1.037	ppbv	94
7) Chloroethane	3.60	64	19374	1.025	ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	135972	1.031	ppbv	98
9) Propene	3.04	41	41655	1.015	ppbv	98
10) Heptane	8.24	43	96825	0.883	ppbv	100
11) Trichlorofluoromethane	4.00	101	155418	1.019	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	103639	1.012	ppbv	98
13) Ethanol	3.66	45	7529	0.709	ppbv	64
14) Bromoethene	3.79	108	40511	0.991	ppbv	99
15) Acetone	3.91	43	115560	1.133	ppbv	96
16) 1,3-Butadiene	3.36	39	45050	1.113	ppbv	94
17) tert-Butyl alcohol	4.37	59	13399	0.714	ppbv #	84
18) 1,1-Dichloroethene	4.35	96	46064	1.047	ppbv	93
19) Isopropyl Alcohol	4.03	45	75911	1.176	ppbv #	94
20) Methylene Chloride	4.41	84	48040	1.109	ppbv	91
21) Allyl Chloride	4.48	41	62347	0.967	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	46319	1.009	ppbv	84
23) Vinyl Acetate	5.15	43	135477	0.933	ppbv #	96
24) 1,1-Dichloroethane	5.09	63	102704	0.931	ppbv	98
25) Ethyl Acetate	5.77	43	173860	0.918	ppbv	99
26) Hexane	5.78	57	78784	0.936	ppbv	97
27) Carbon Disulfide	4.62	76	93937	0.938	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	115417	0.952	ppbv	100
29) Chloroform	5.84	83	133904	0.928	ppbv	93
30) Cyclohexane	7.25	84	59964	0.901	ppbv	92
31) cis-1,2-Dichloroethene	5.63	61	74423	0.889	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	129288	0.941	ppbv	99
34) 2-Butanone	5.33	43	109540	0.879	ppbv	99
35) Carbon Tetrachloride	7.13	117	137181	0.934	ppbv	96
36) Benzene	7.00	78	156574	0.900	ppbv	96
37) 1,2-Dichloroethane	6.41	62	102939	0.883	ppbv	99
38) Trichloroethene	7.96	130	62365	0.953	ppbv	90
39) 1,2-Dichloropropane	7.73	63	57256	0.840	ppbv	95
41) Tetrahydrofuran	6.17	42	37231	0.543	ppbv #	68
42) Bromodichloromethane	7.91	83	138438	0.872	ppbv	98
43) Methyl Methacrylate	8.14	69	55096	0.780	ppbv	95
44) 2,2,4-Trimethylpentane	7.99	57	268642	0.884	ppbv	97

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Quant Time: Apr 18 05:38:52 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)
45) t-1,3-Dichloropropene	9.41	75	65248	0.752	ppbv #	88
46) cis-1,3-Dichloropropene	8.83	75	40070	0.396	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	32270	0.417	ppbv	97
48) Dibromochloromethane	10.45	129	108472	0.831	ppbv	99
49) Bromoform	13.20	173	91290	0.732	ppbv	98
50) 4-Methyl-2-Pentanone	8.88	43	157668	0.864	ppbv	99
51) 2-Hexanone	10.28	43	105176	0.773	ppbv #	98
52) Tetrachloroethene	11.36	164	59646	0.909	ppbv	90
53) Toluene	9.94	91	169404	0.838	ppbv	99
54) 1,2-Dibromoethane	10.76	107	104247	0.861	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.28	131	84907	0.899	ppbv #	1
57) Chlorobenzene	12.30	112	153817	0.961	ppbv	94
58) Ethyl Benzene	12.86	91	236248	0.858	ppbv	96
59) m/p-Xylene	13.14	91	179374	0.730	ppbv #	100
60) o-Xylene	13.85	91	213568	0.898	ppbv	100
61) Styrene	13.68	104	133563	0.819	ppbv	99
62) Isopropylbenzene	14.82	105	296708	0.881	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.83	83	158883	0.908	ppbv	100
64) n-propylbenzene	15.72	120	73353	0.859	ppbv	95
65) tert-Butylbenzene	16.90	119	259509	0.875	ppbv	98
66) Benzyl Chloride	17.15	91	98466	0.714	ppbv	100
67) sec-Butylbenzene	17.45	105	368482	0.874	ppbv	99
69) p-Isopropyltoluene	17.81	119	280628	0.817	ppbv	97
70) n-Butylbenzene	18.71	91	283385	0.779	ppbv	98
71) 2-Chlorotoluene	15.61	91	214202	0.837	ppbv	100
72) 4-Ethyltoluene	15.99	105	223928	0.838	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	208553	0.816	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	221341	0.808	ppbv	90
75) 1,3-Dichlorobenzene	17.16	146	151760	0.896	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	138968	0.842	ppbv	96
77) 1,2-Dichlorobenzene	17.98	146	144305	0.898	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	62535	0.588	ppbv #	48
79) Naphthalene	22.41	128	97556	0.416	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	11881	0.151	ppbv	95
81) 1,2,4-Trichlorobenzene	22.13	180	30868	0.237	ppbv #	12

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

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Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

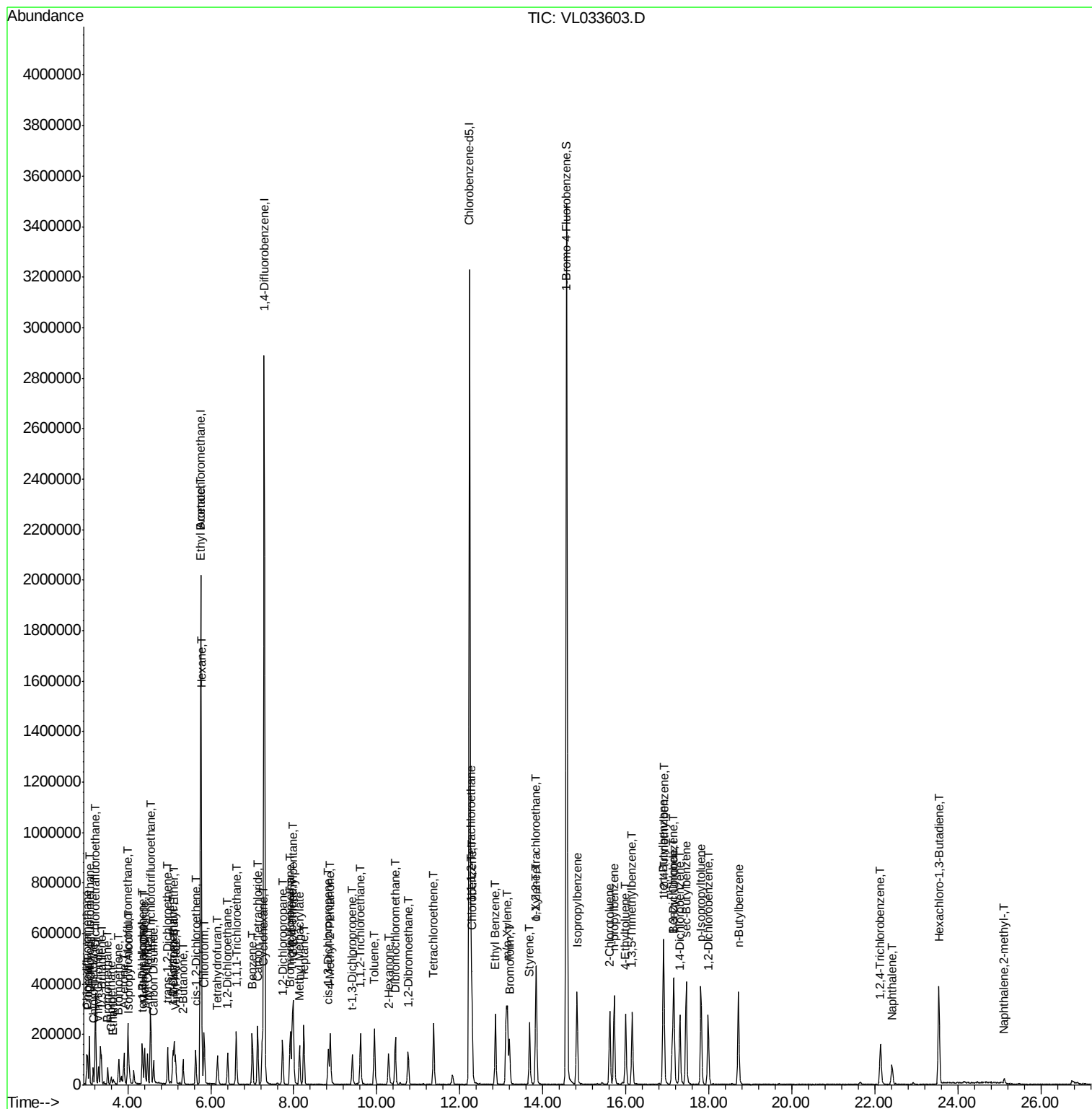
Quant Time: Apr 18 05:38:52 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M

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QLast Update : Tue Mar 26 16:00:50 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

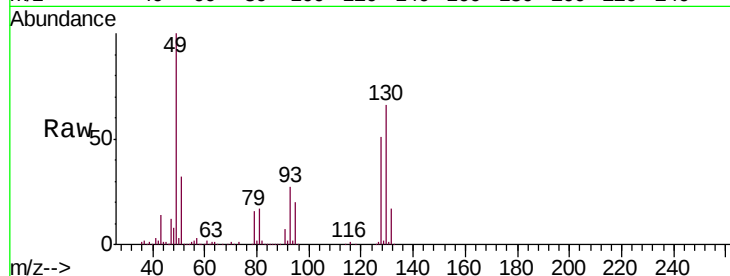
Tgt Ion: 49 Resp: 848568

Ion Ratio Lower Upper

49 100

128 49.7 24.0 72.0

130 64.5 31.2 93.6

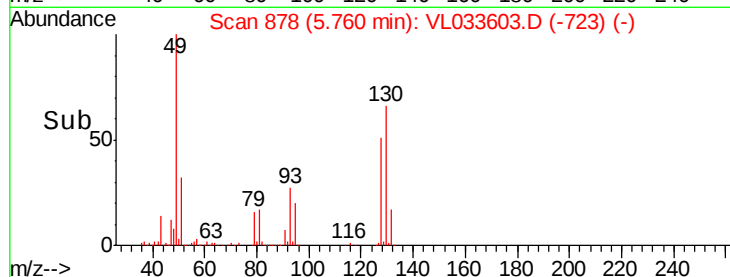


Abundance Ion 49.10 (48.80 to 49.80): VL0

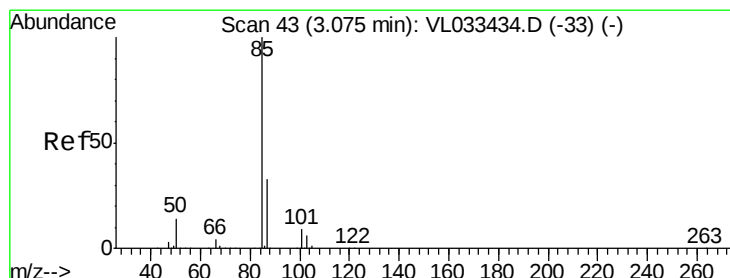
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 1.093 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033603.D

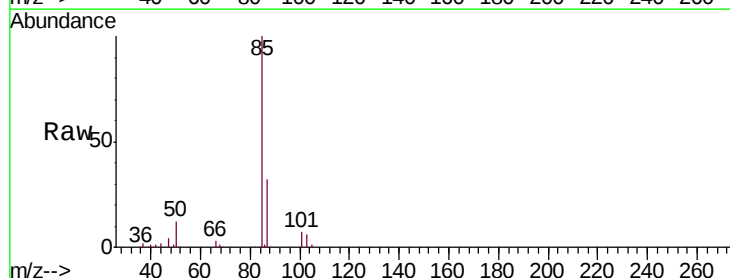
Acq: 17 Apr 2019 15:37

Tgt Ion: 85 Resp: 135220

Ion Ratio Lower Upper

85 100

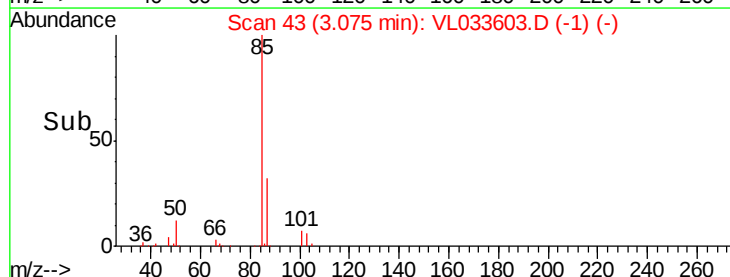
87 31.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 1.022 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

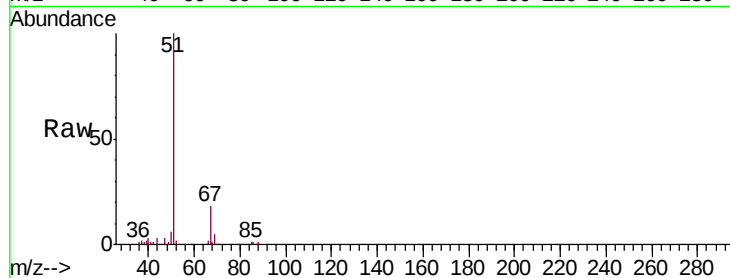
LOQ-AIR-02-QT2-2019

Tgt Ion: 51 Resp: 99859

Ion Ratio Lower Upper

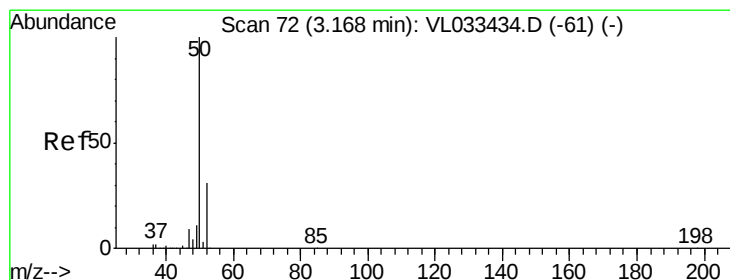
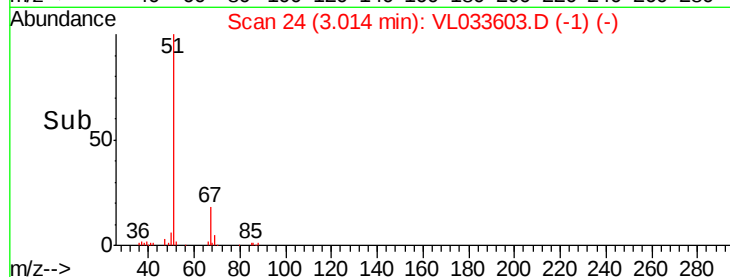
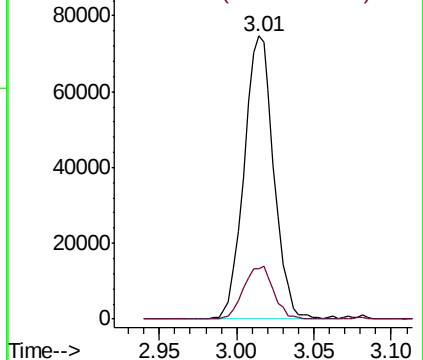
51 100

67 18.7 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: 1.022 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033603.D

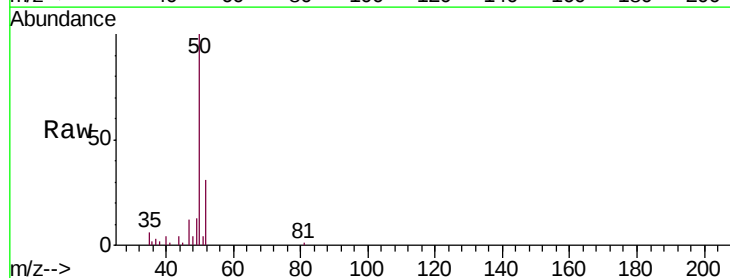
Acq: 17 Apr 2019 15:37

Tgt Ion: 50 Resp: 52854

Ion Ratio Lower Upper

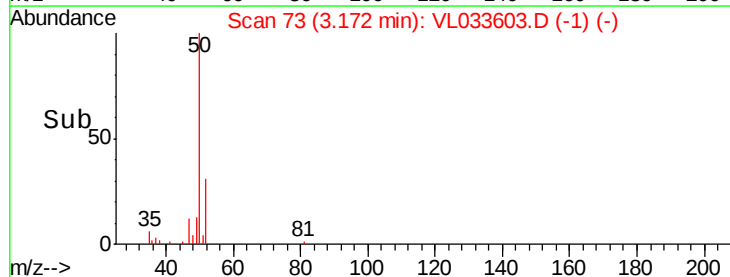
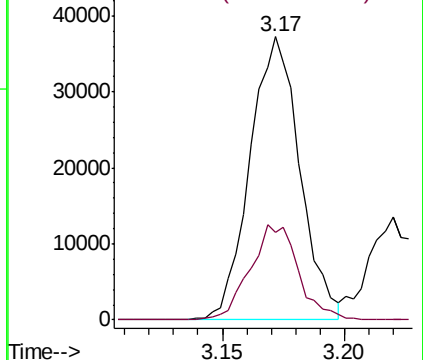
50 100

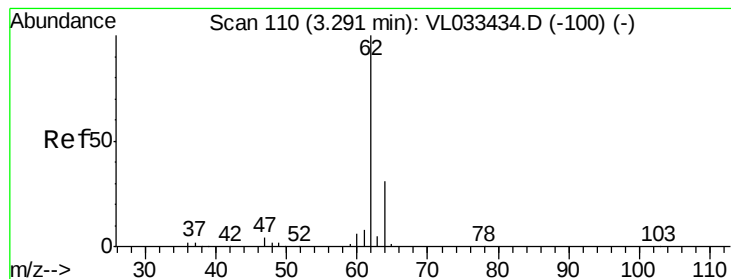
52 31.1 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.013 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

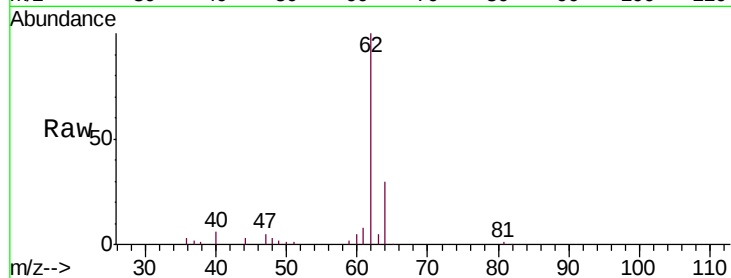
LOQ-AIR-02-QT2-2019

Tgt Ion: 62 Resp: 51447

Ion Ratio Lower Upper

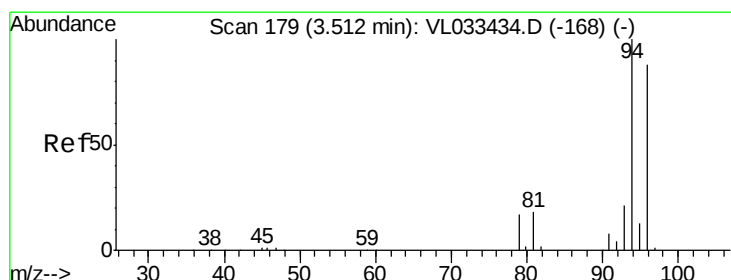
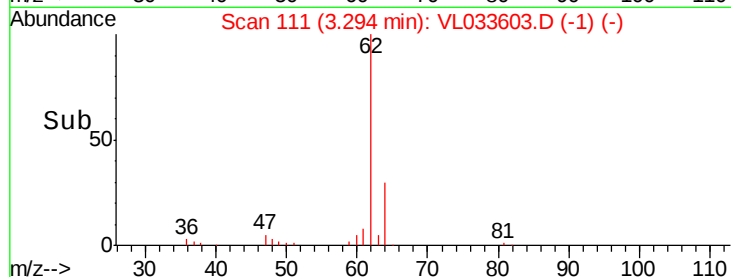
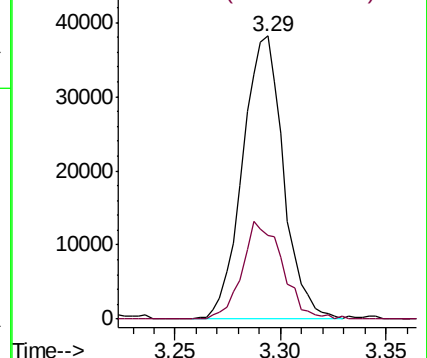
62 100

64 29.6 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: 1.037 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033603.D

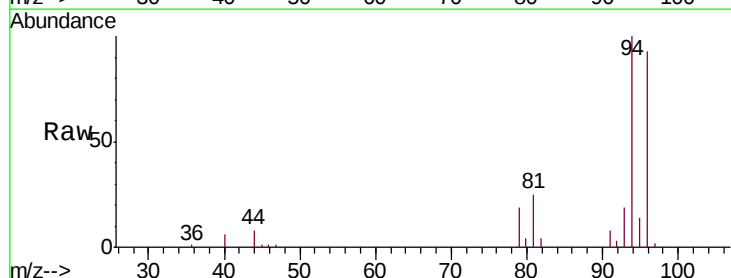
Acq: 17 Apr 2019 15:37

Tgt Ion: 94 Resp: 33847

Ion Ratio Lower Upper

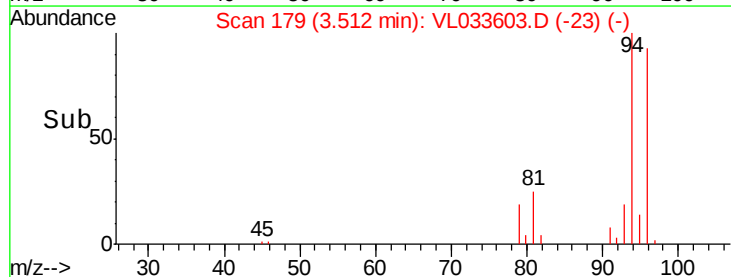
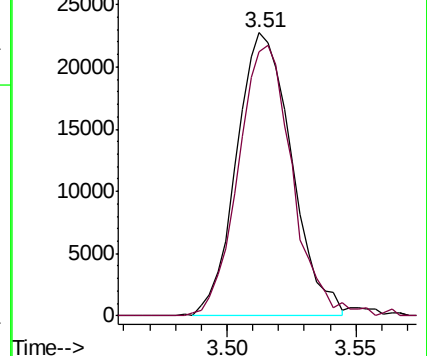
94 100

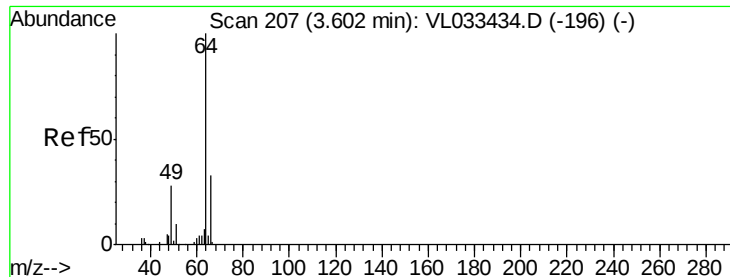
96 92.8 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.025 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

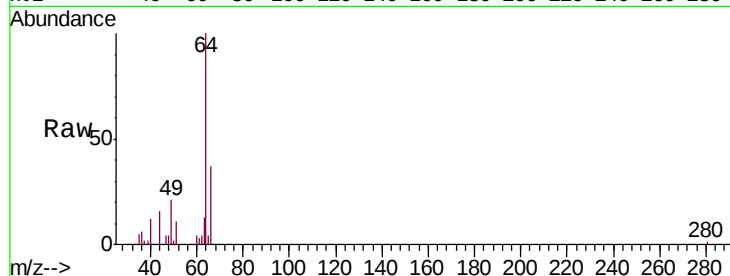
LOQ-AIR-02-QT2-2019

Tgt Ion: 64 Resp: 19374

Ion Ratio Lower Upper

64 100

66 37.4 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

15000

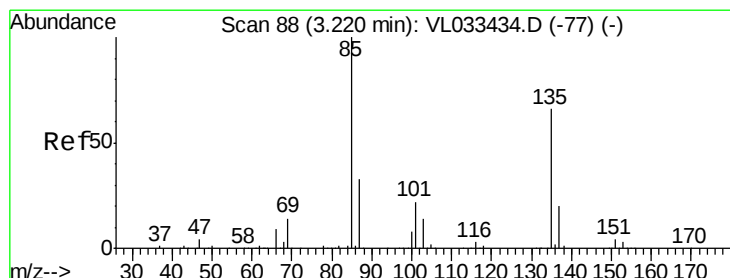
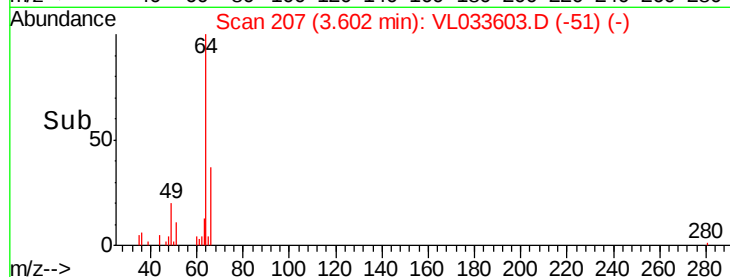
10000

5000

0

3.56 3.58 3.60 3.62 3.64

Time-->



#8

Dichlorotetrafluoroethane

Concen: 1.031 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033603.D

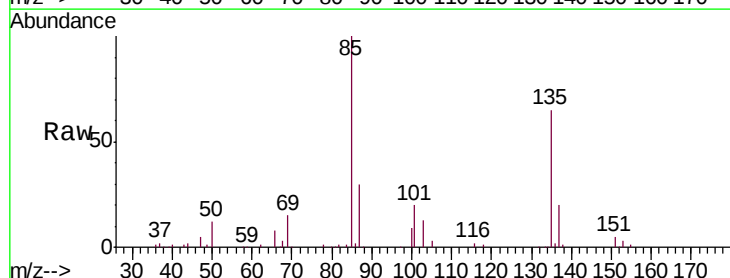
Acq: 17 Apr 2019 15:37

Tgt Ion: 85 Resp: 135972

Ion Ratio Lower Upper

85 100

135 69.0 54.0 81.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

120000

100000

80000

60000

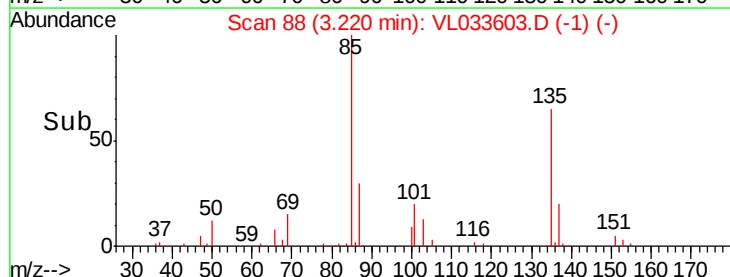
40000

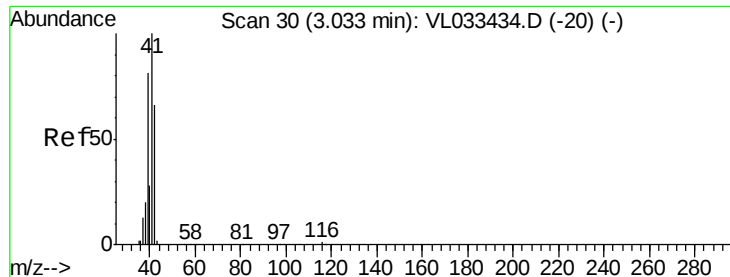
20000

0

3.15 3.20 3.25

Time-->





#9

Propene

Concen: 1.015 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

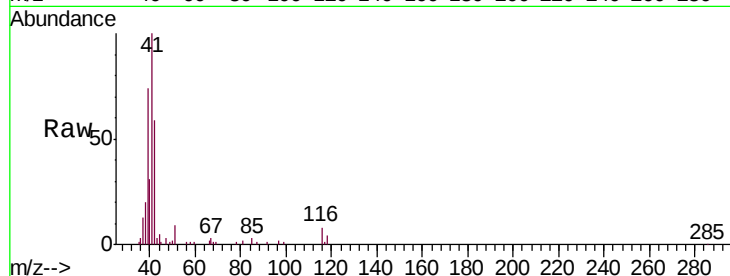
LOQ-AIR-02-QT2-2019

Tgt Ion: 41 Resp: 41655

Ion Ratio Lower Upper

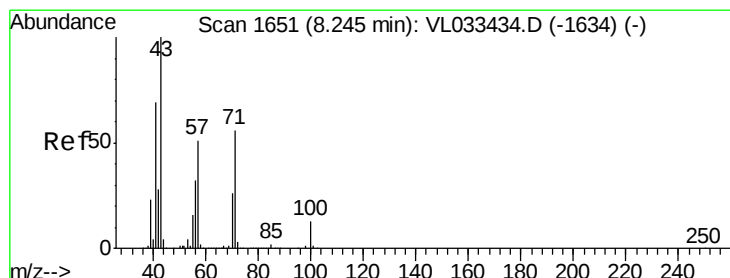
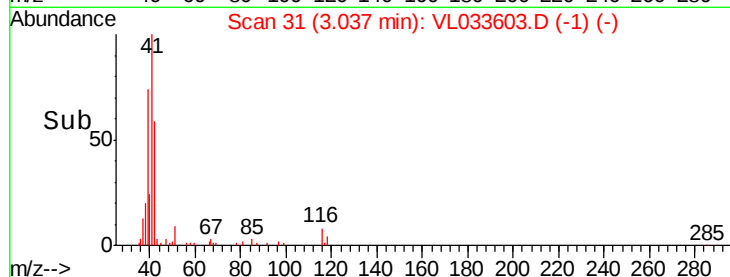
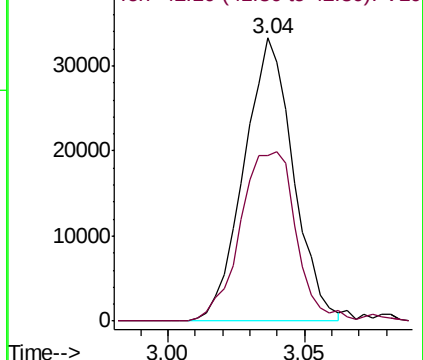
41 100

42 68.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.883 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033603.D

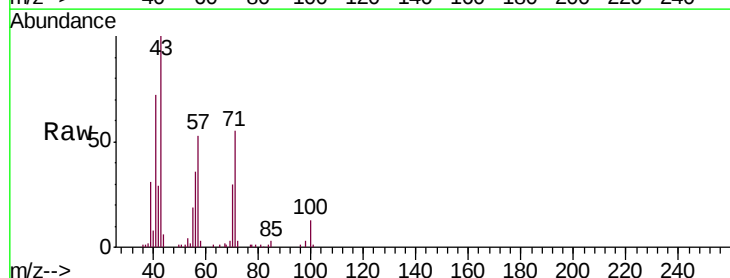
Acq: 17 Apr 2019 15:37

Tgt Ion: 43 Resp: 96825

Ion Ratio Lower Upper

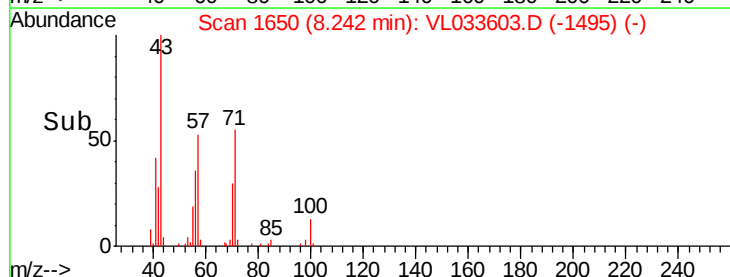
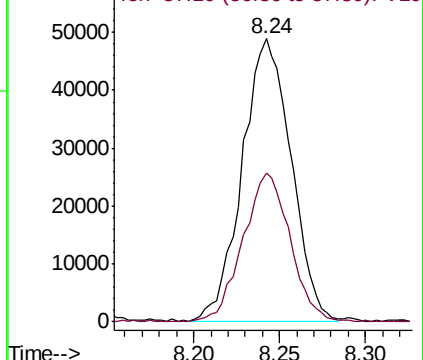
43 100

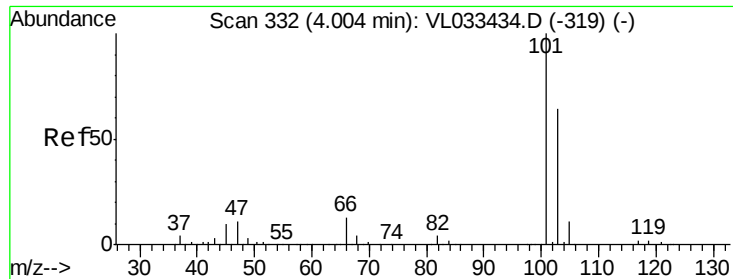
57 50.7 40.6 60.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

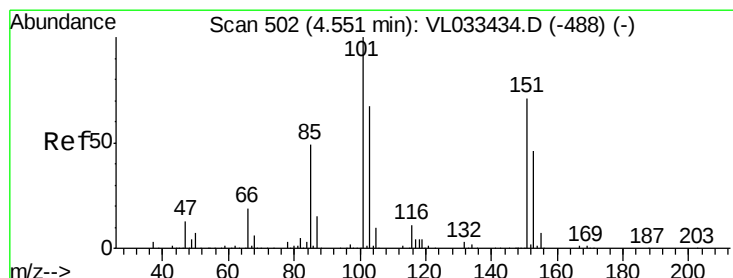
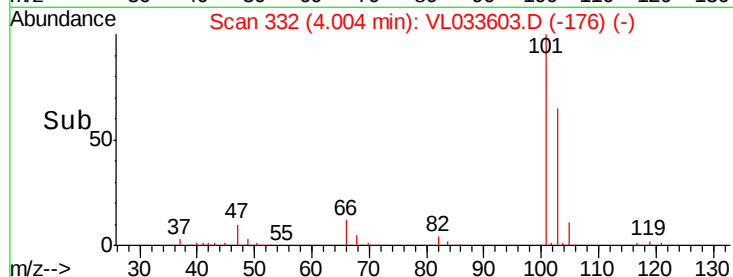
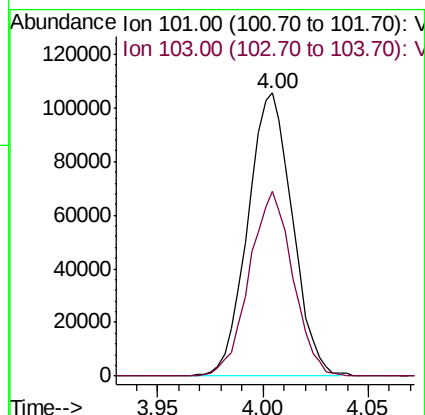
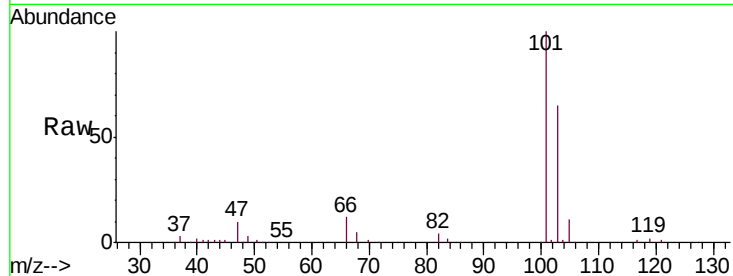




#11
 Trichlorofluoromethane
 Concen: 1.019 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

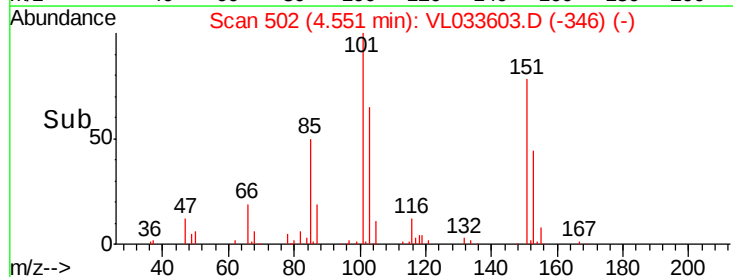
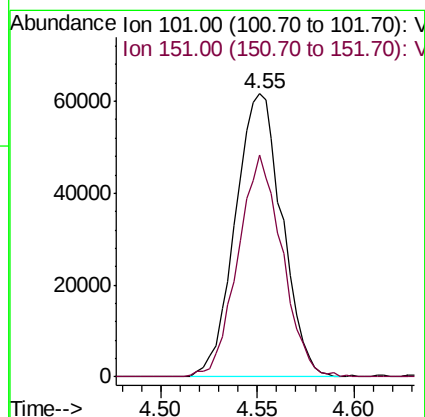
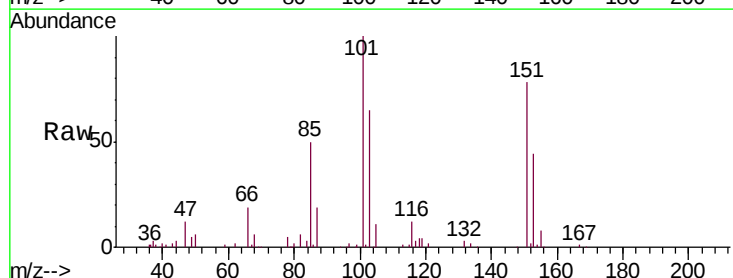
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

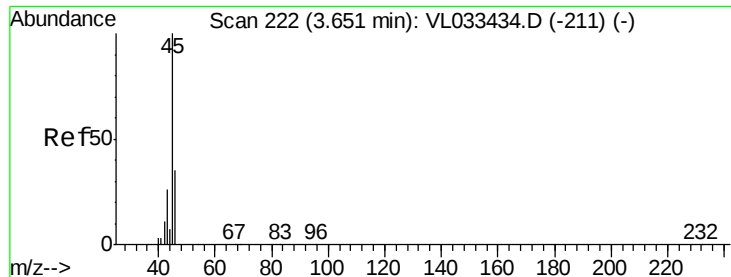
Tgt Ion:101 Resp: 155418
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.012 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion:101 Resp: 103639
 Ion Ratio Lower Upper
 101 100
 151 74.0 57.7 86.5

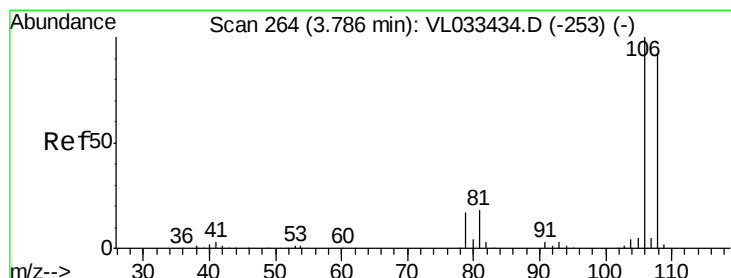
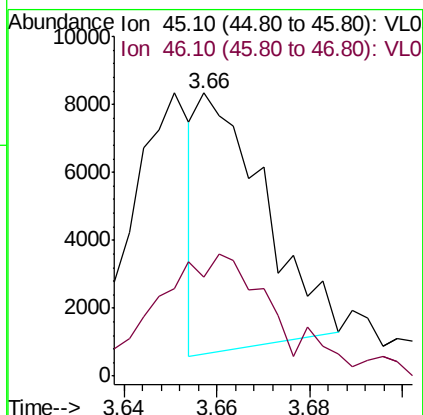
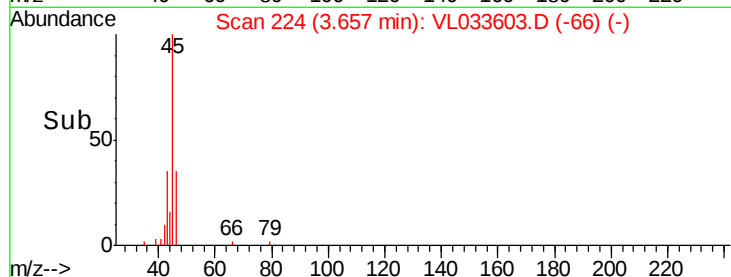
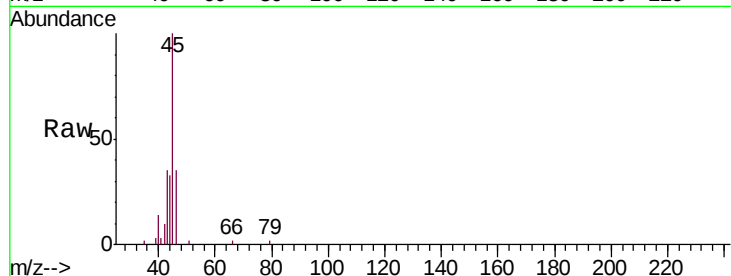




#13
Ethanol
Concen: 0.709 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

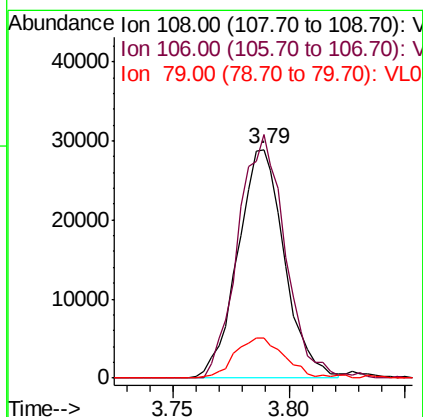
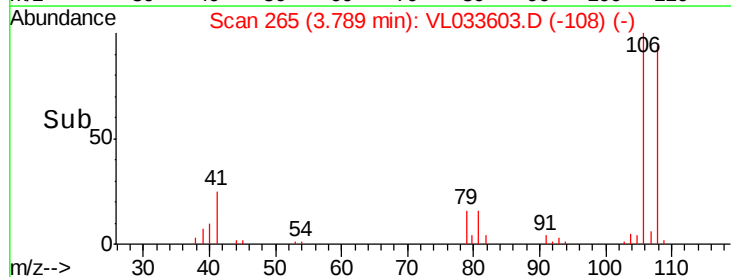
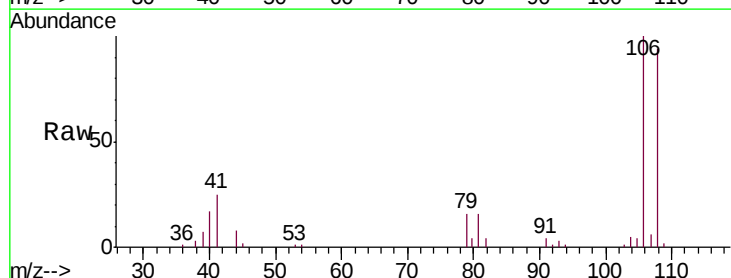
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

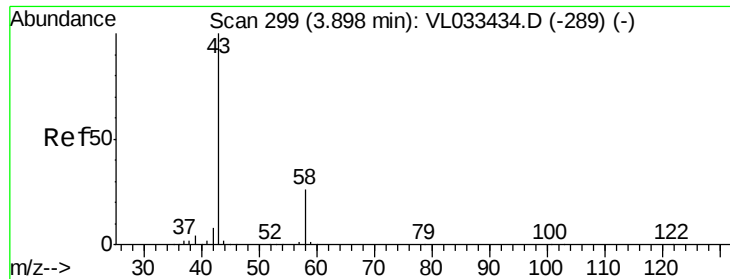
Tgt Ion: 45 Resp: 7529
Ion Ratio Lower Upper
45 100
46 91.8 25.4 101.8



#14
Bromoethene
Concen: 0.991 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

Tgt Ion: 108 Resp: 40511
Ion Ratio Lower Upper
108 100
106 107.3 86.4 129.6
79 19.4 15.8 23.8





#15

Acetone

Concen: 1.133 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

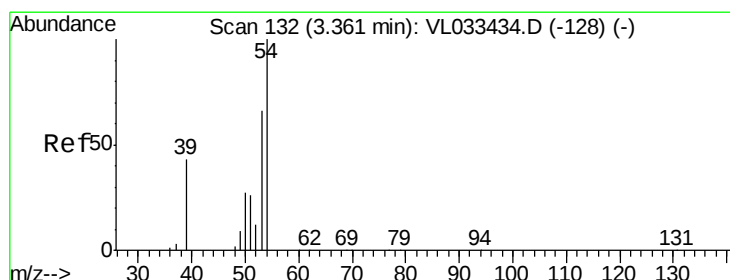
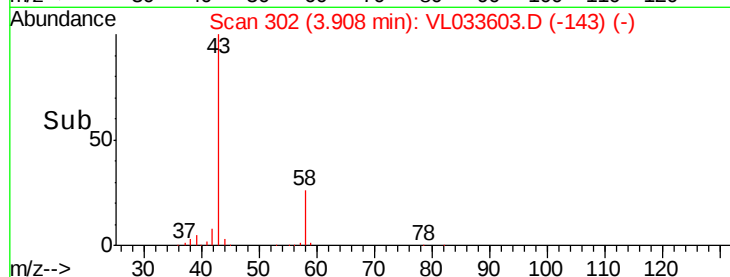
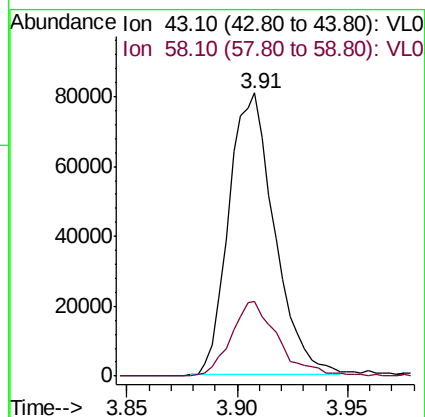
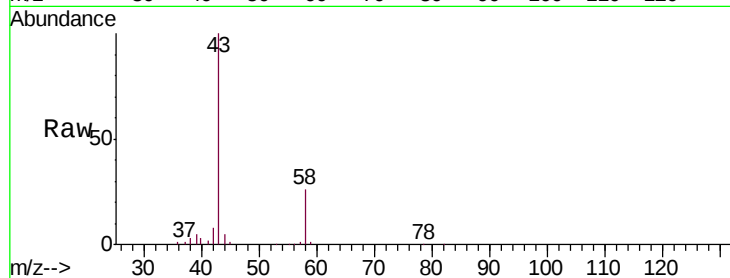
LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 115560

Ion Ratio Lower Upper

43 100

58 27.6 20.5 30.7



#16

1,3-Butadiene

Concen: 1.113 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL033603.D

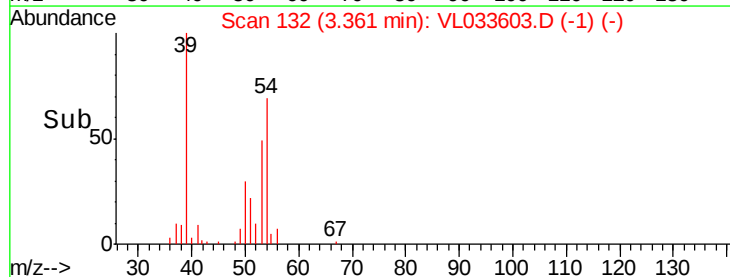
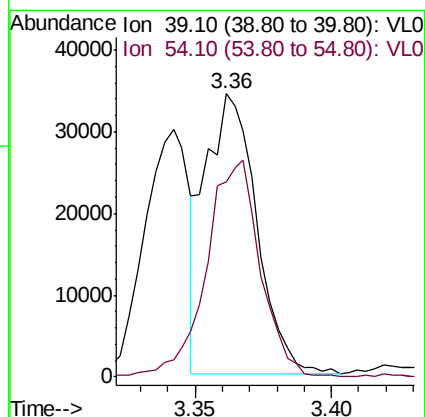
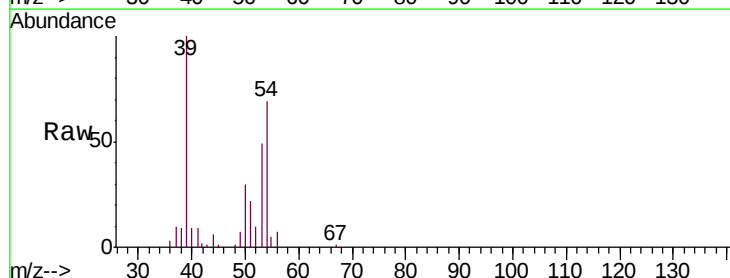
Acq: 17 Apr 2019 15:37

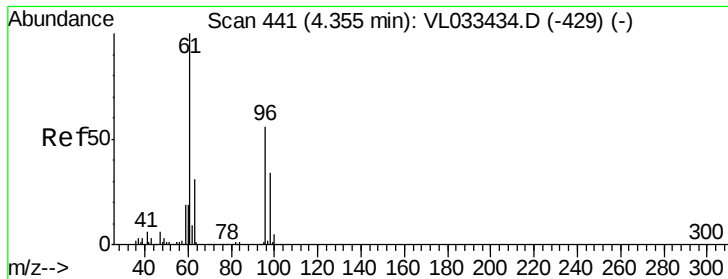
Tgt Ion: 39 Resp: 45050

Ion Ratio Lower Upper

39 100

54 81.1 69.4 104.2



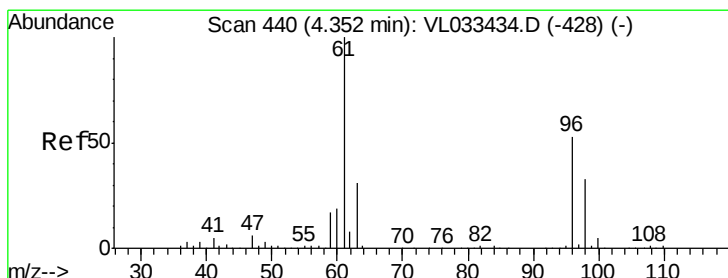
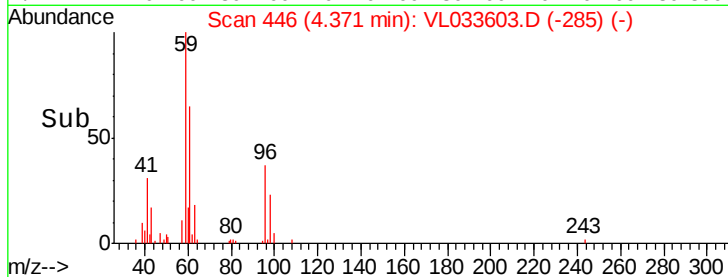
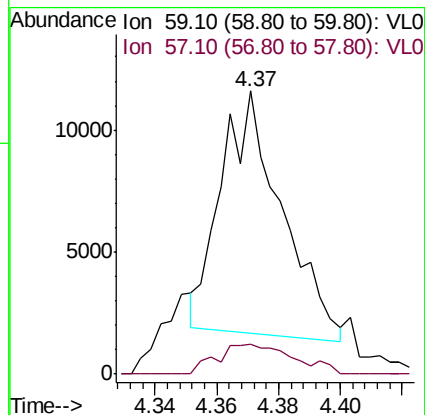
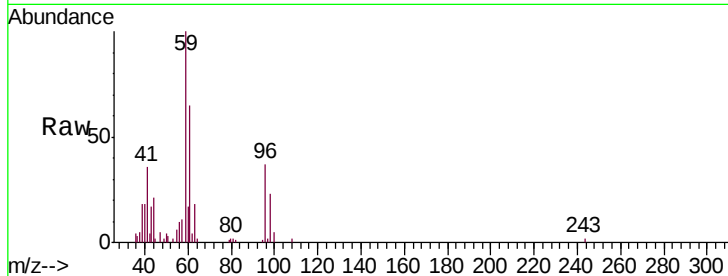


#17

tert-Butyl alcohol
Concen: 0.714 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.02 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

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

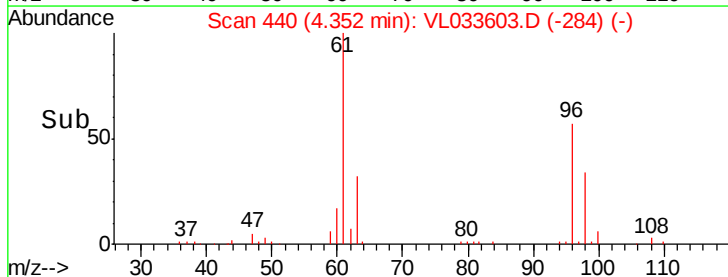
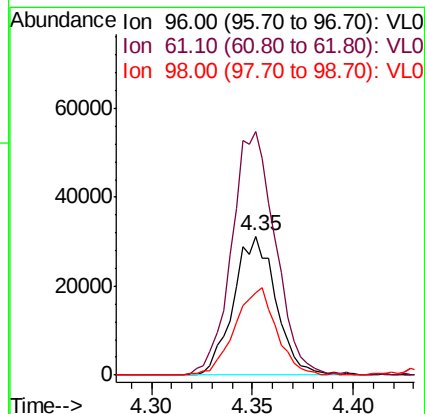
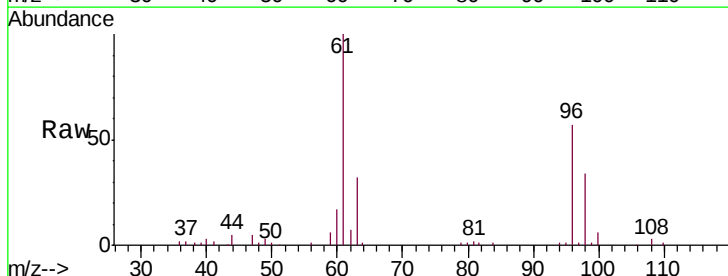
Tgt Ion: 59 Resp: 13399
Ion Ratio Lower Upper
59 100
57 15.8 7.8 11.8#

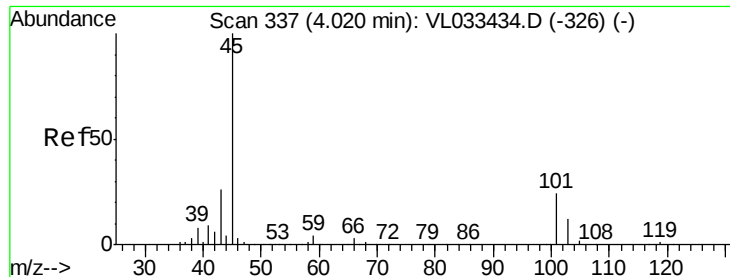


#18

1,1-Dichloroethene
Concen: 1.047 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

Tgt Ion: 96 Resp: 46064
Ion Ratio Lower Upper
96 100
61 174.5 149.8 224.6
98 59.0 48.7 73.1





#19

Isopropyl Alcohol

Concen: 1.176 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

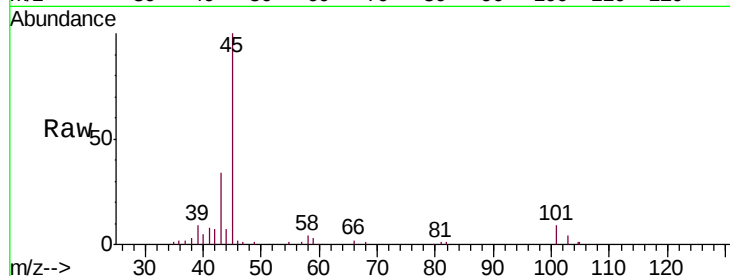
LOQ-AIR-02-QT2-2019

Tgt Ion: 45 Resp: 75911

Ion Ratio Lower Upper

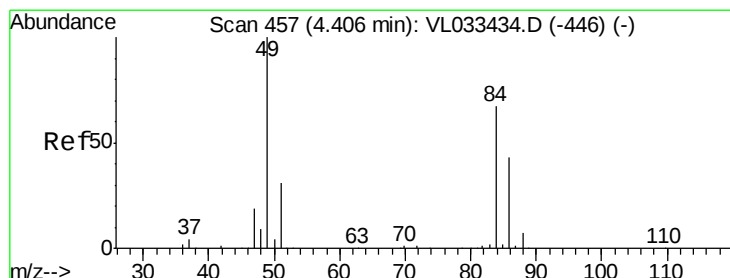
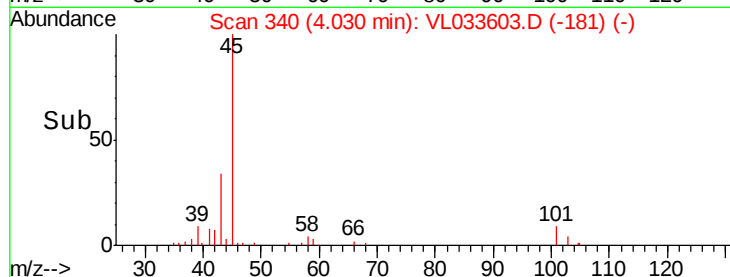
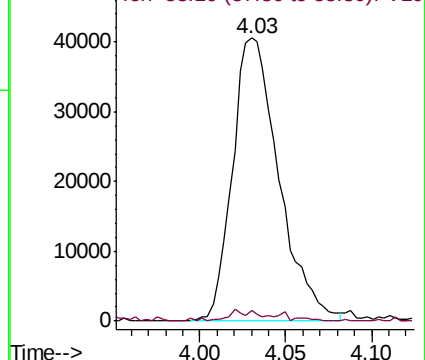
45 100

58 3.8 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: 1.109 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Tgt Ion: 84 Resp: 48040

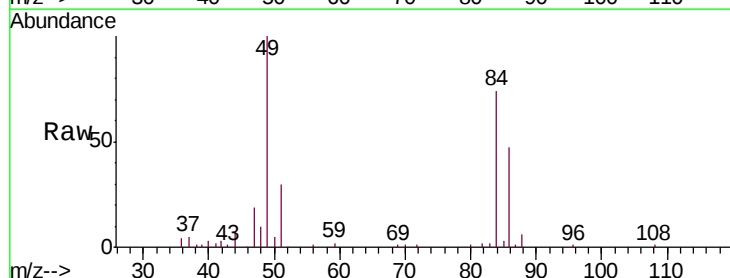
Ion Ratio Lower Upper

84 100

49 134.3 120.0 180.0

51 40.7 36.7 55.1

86 63.4 51.9 77.9

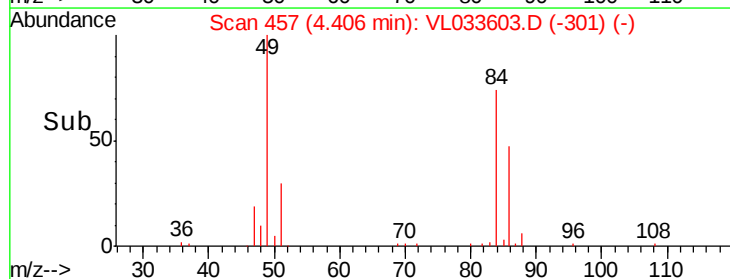
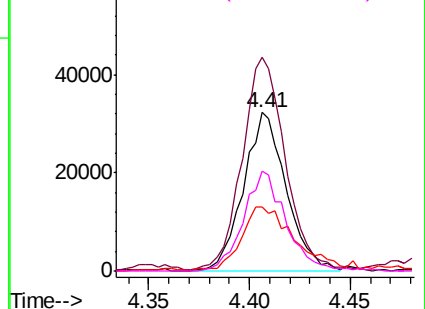


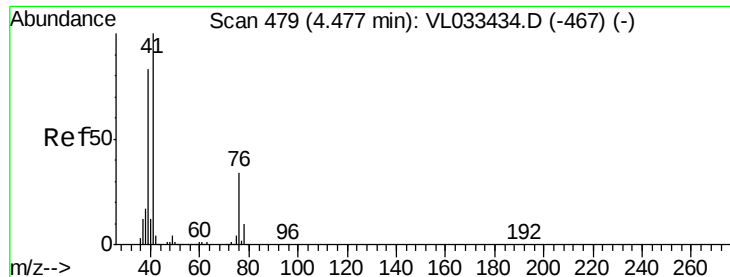
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

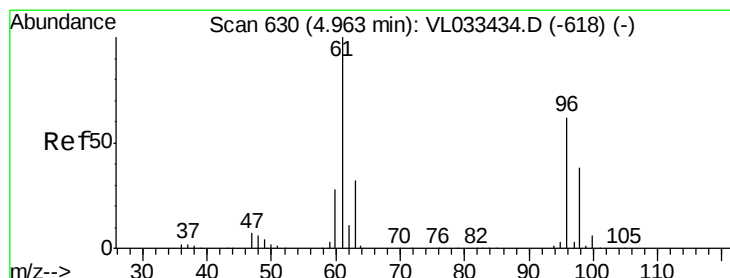
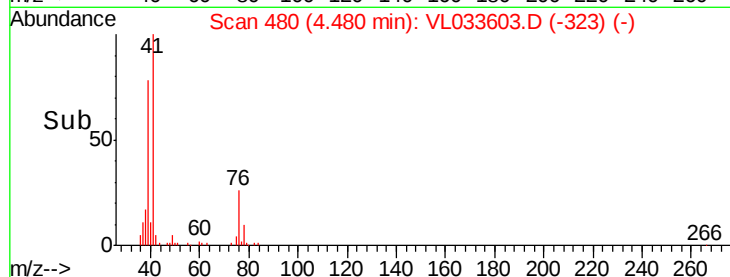
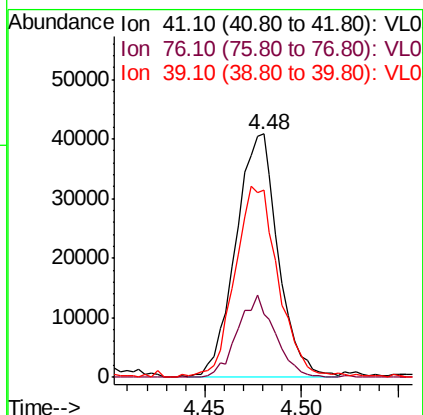
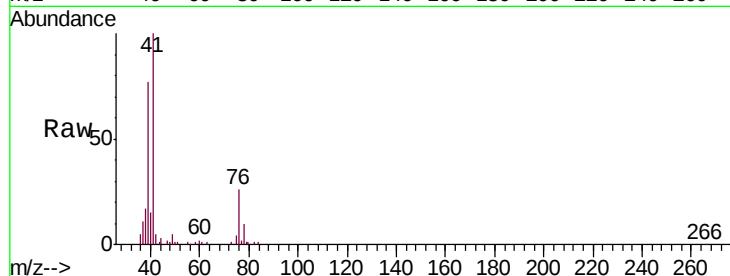




#21
 Allyl Chloride
 Concen: 0.967 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

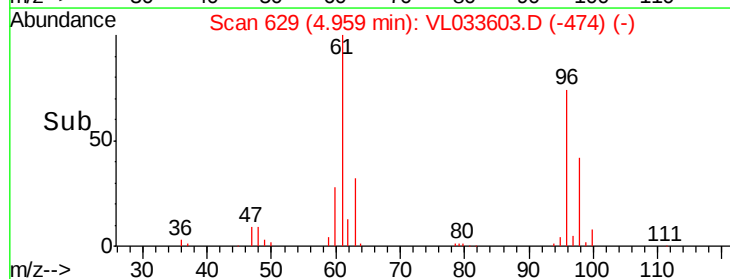
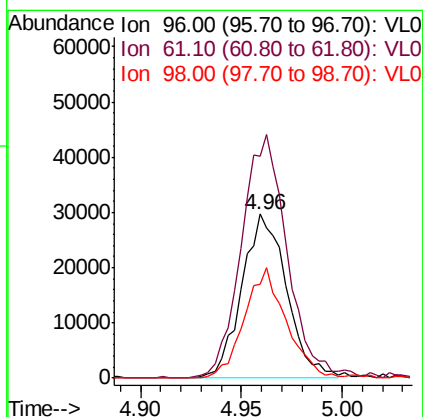
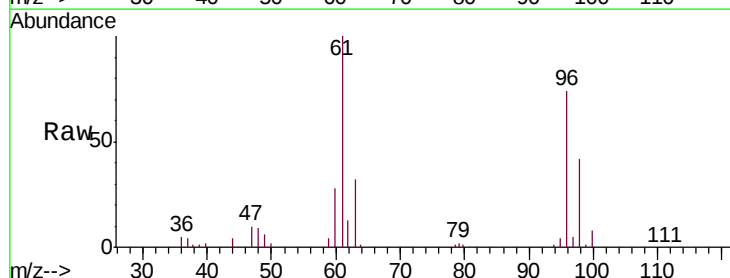
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

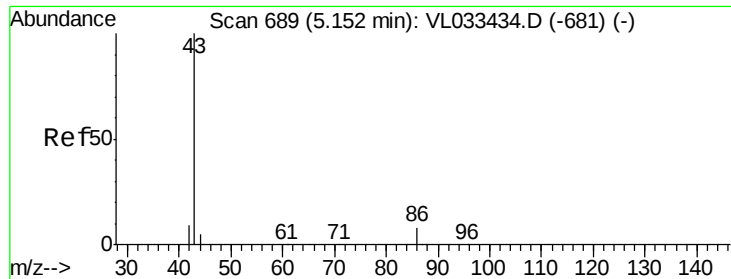
Tgt Ion: 41 Resp: 62347
 Ion Ratio Lower Upper
 41 100
 76 29.7 25.4 38.2
 39 80.7 65.3 97.9



#22
 trans-1,2-Dichloroethene
 Concen: 1.009 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion: 96 Resp: 46319
 Ion Ratio Lower Upper
 96 100
 61 135.6 128.9 193.3
 98 57.1 49.5 74.3





#23

Vinyl Acetate

Concen: 0.933 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 135477

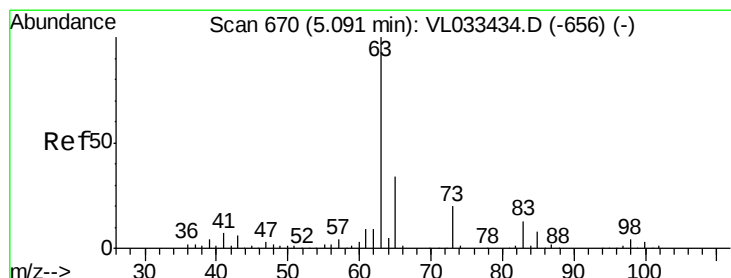
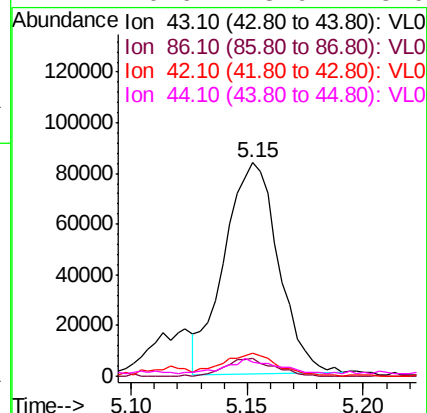
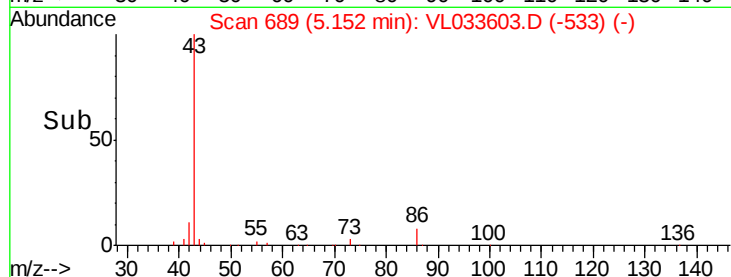
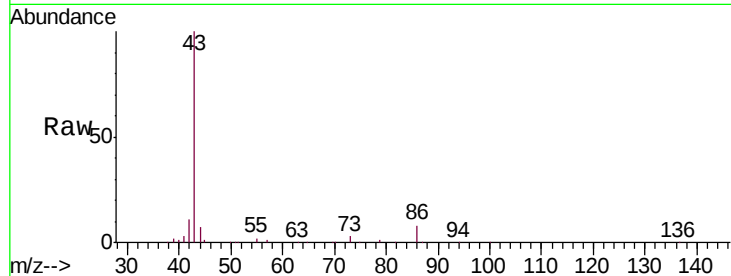
Ion Ratio Lower Upper

43 100

86 8.4 5.6 8.4

42 11.0 8.0 12.0

44 6.6 3.9 5.9#



#24

1,1-Dichloroethane

Concen: 0.931 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

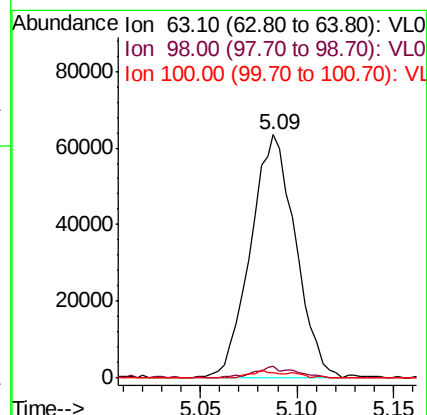
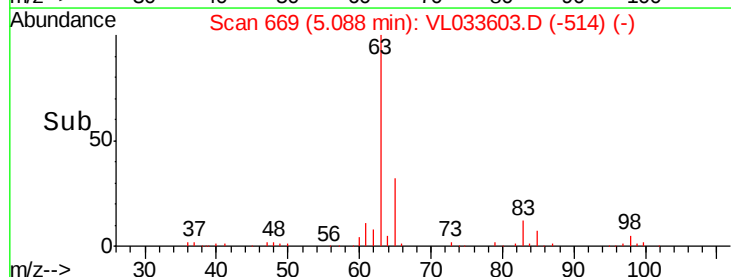
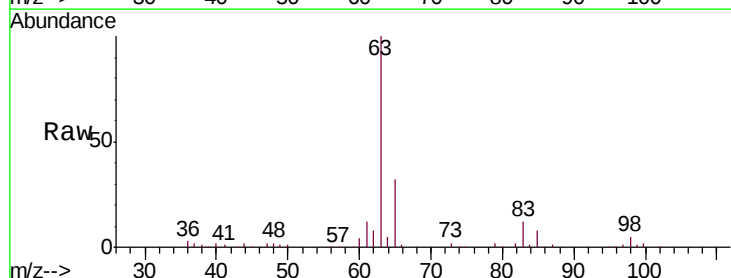
Tgt Ion: 63 Resp: 102704

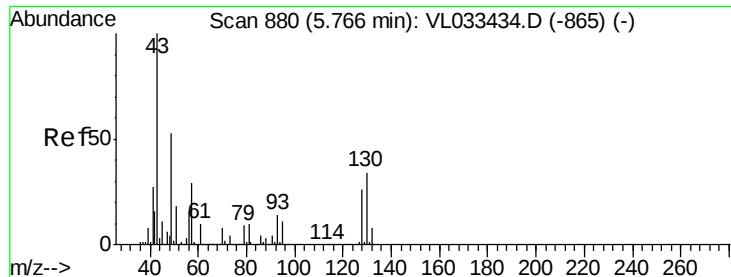
Ion Ratio Lower Upper

63 100

98 5.0 2.2 6.6

100 2.2 1.5 4.4

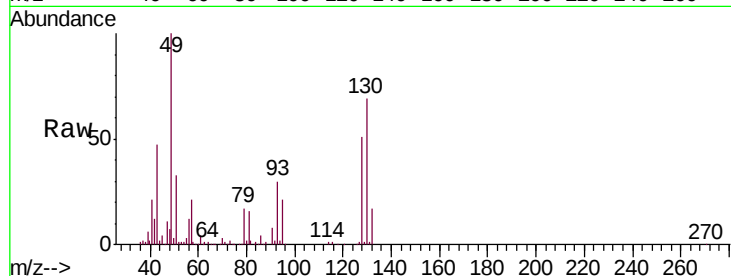




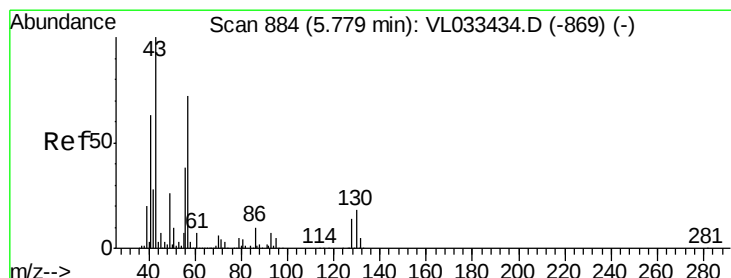
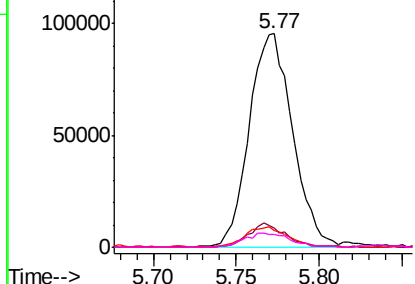
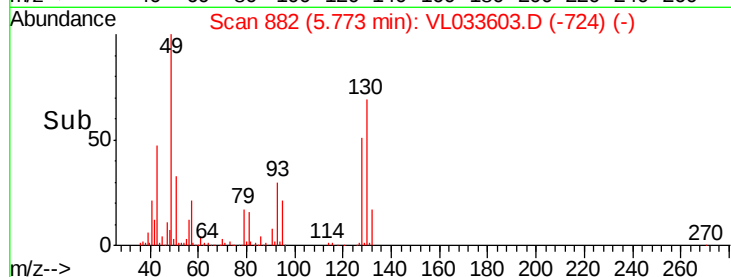
#25
Ethyl Acetate
Concen: 0.918 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

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

Tgt Ion:	43	Resp:	173860
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	10.0	7.3	10.9
70	6.9	5.6	8.4

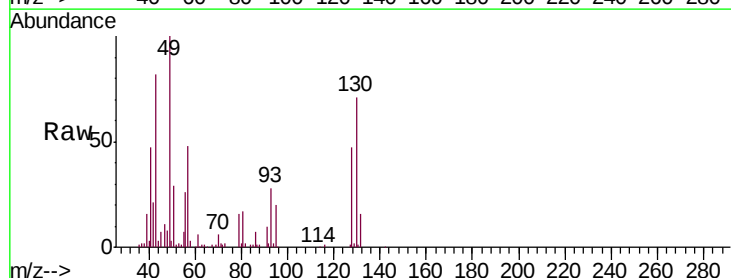


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

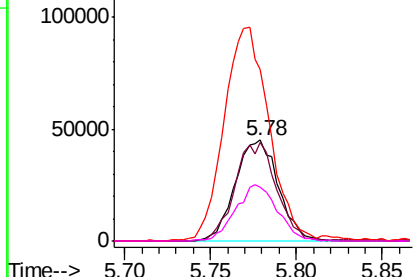
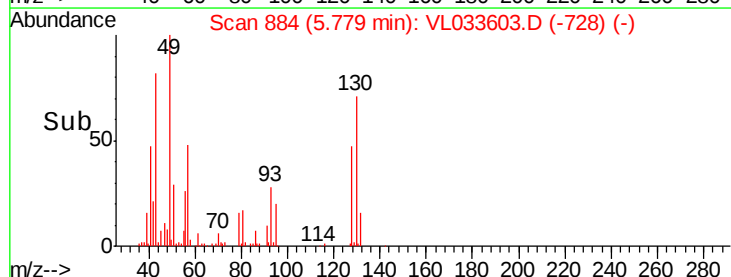


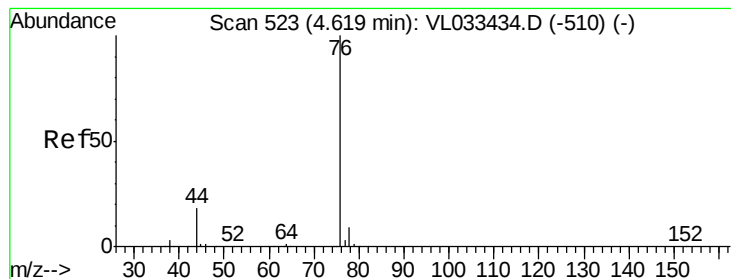
#26
Hexane
Concen: 0.936 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

Tgt Ion:	57	Resp:	78784
Ion	Ratio	Lower	Upper
57	100		
41	94.4	70.7	106.1
43	225.2	182.6	274.0
56	54.2	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





#27

Carbon Disulfide

Concen: 0.938 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

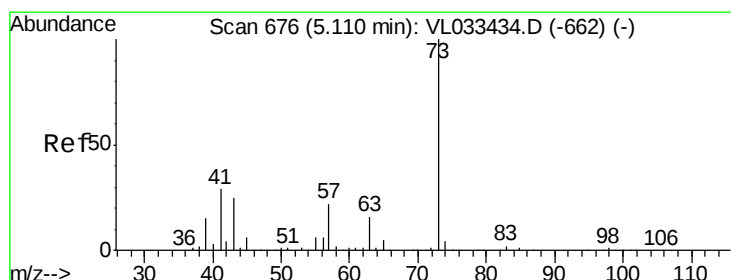
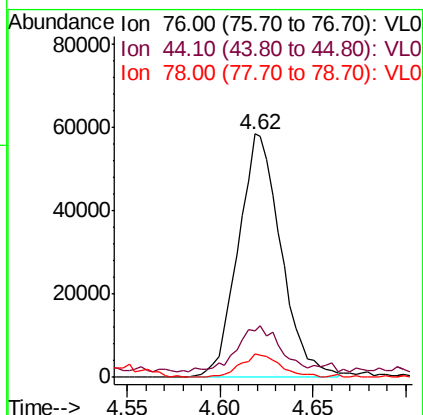
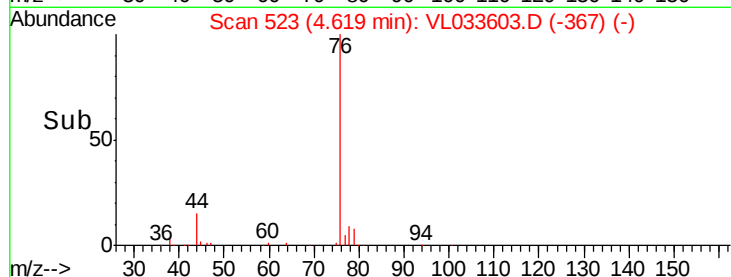
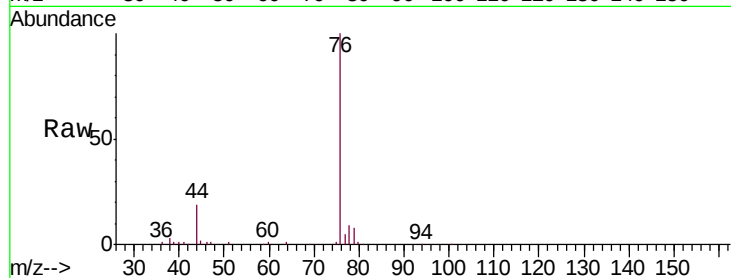
Tgt Ion: 76 Resp: 93937

Ion Ratio Lower Upper

76 100

44 18.8 14.8 22.2

78 9.7 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 0.952 ppbv

RT: 5.12 min Scan# 679

Delta R.T. 0.01 min

Lab File: VL033603.D

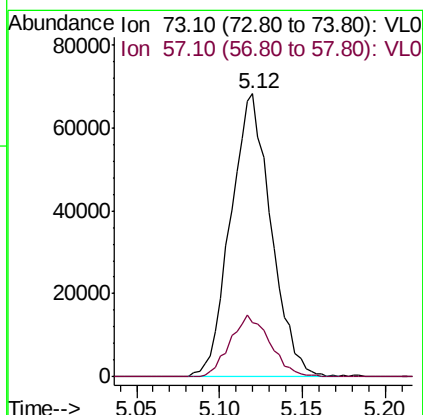
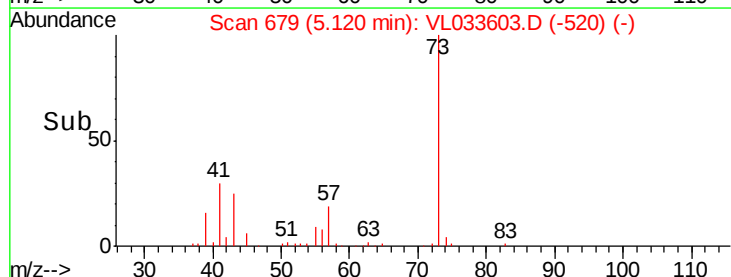
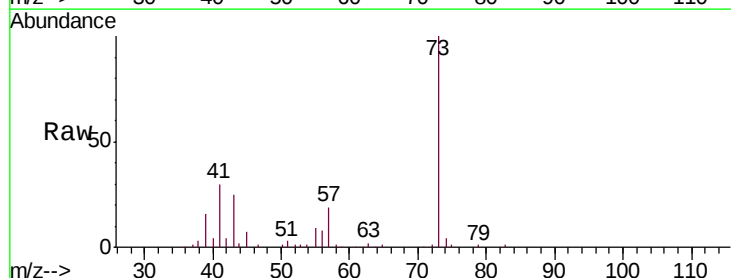
Acq: 17 Apr 2019 15:37

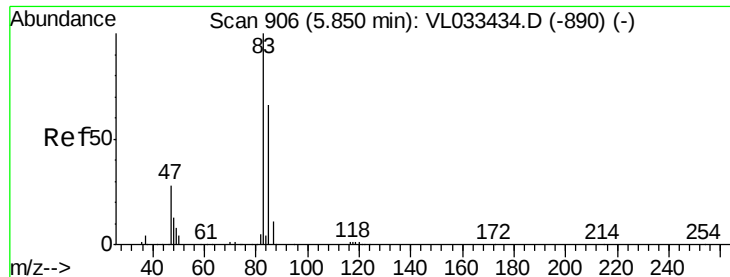
Tgt Ion: 73 Resp: 115417

Ion Ratio Lower Upper

73 100

57 21.6 17.4 26.2

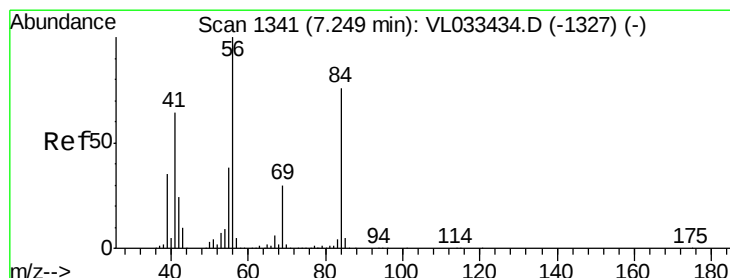
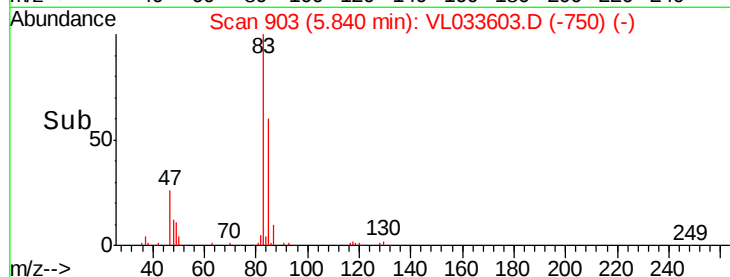
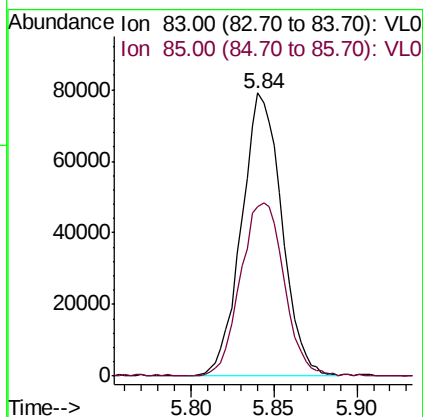
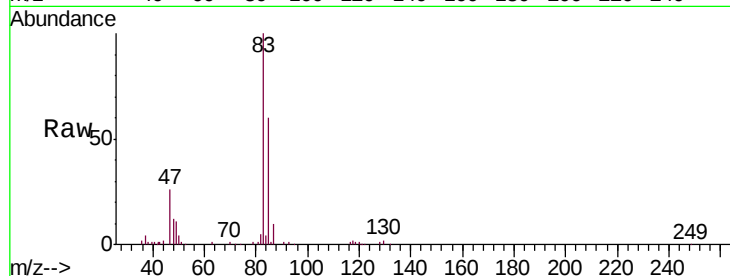




#29
Chloroform
Concen: 0.928 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

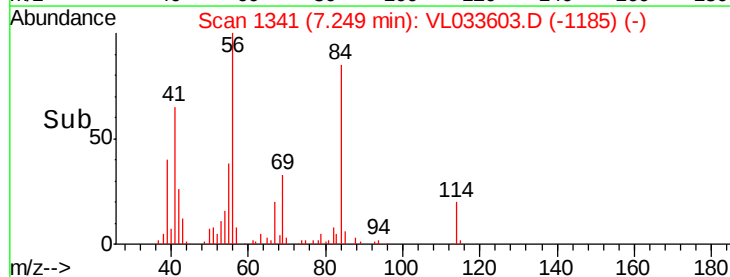
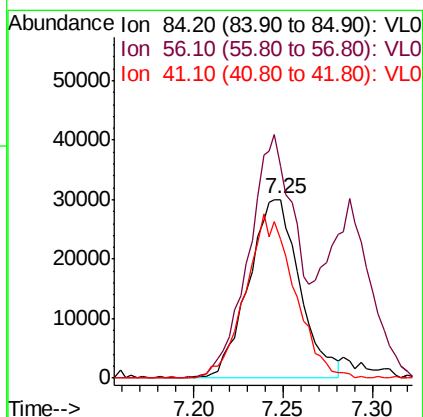
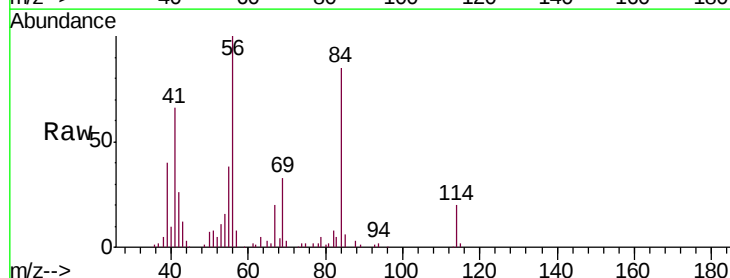
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

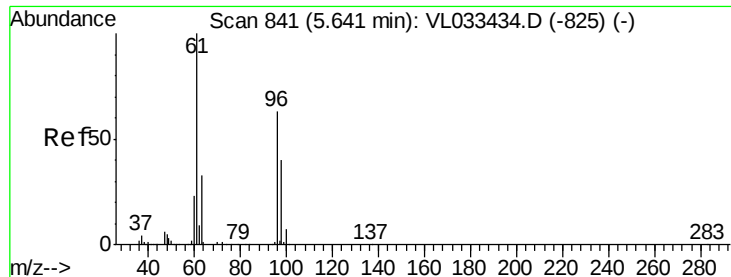
Tgt Ion: 83 Resp: 133904
Ion Ratio Lower Upper
83 100
85 59.9 52.6 79.0



#30
Cyclohexane
Concen: 0.901 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

Tgt Ion: 84 Resp: 59964
Ion Ratio Lower Upper
84 100
56 124.7 109.7 164.5
41 88.7 68.2 102.2

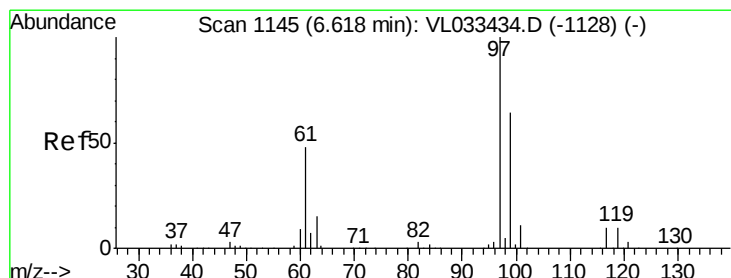
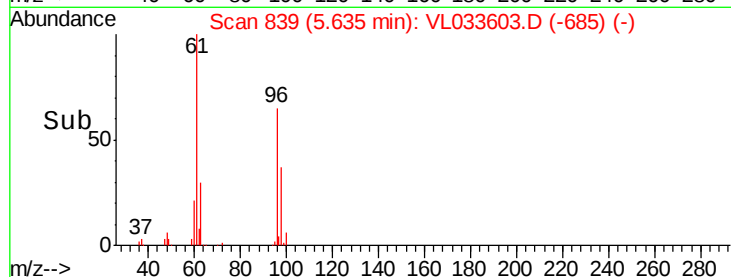
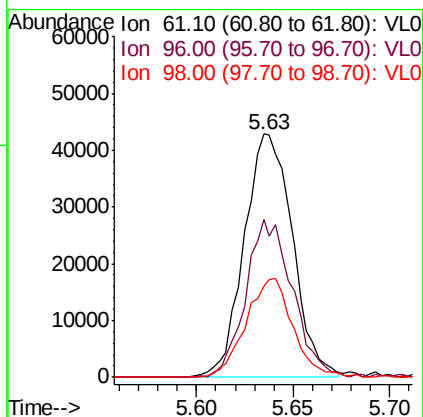
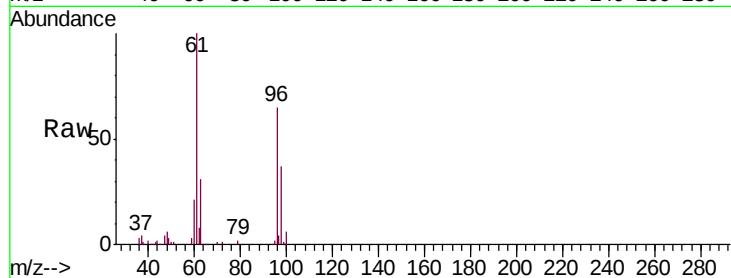




#31
 cis-1,2-Dichloroethene
 Concen: 0.889 ppbv
 RT: 5.63 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

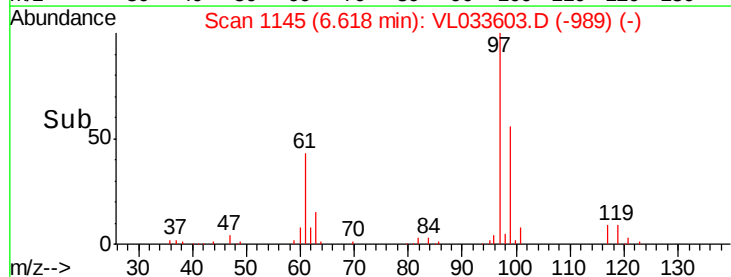
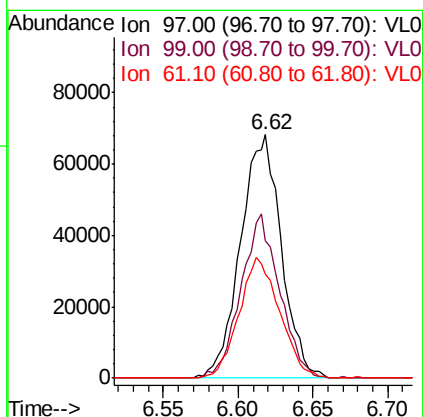
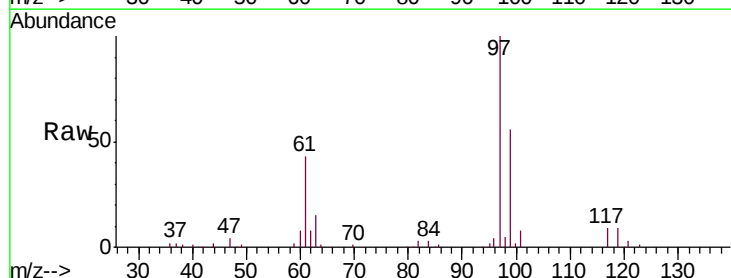
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

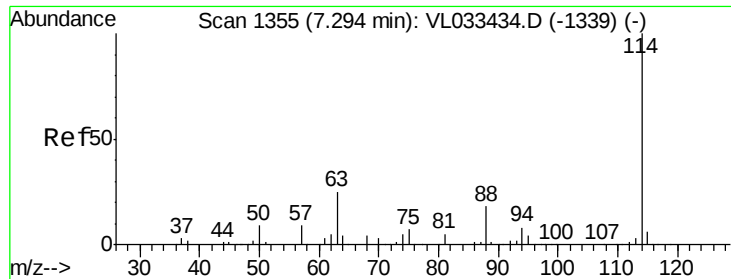
Tgt Ion: 61 Resp: 74423
 Ion Ratio Lower Upper
 61 100
 96 64.8 50.6 76.0
 98 37.5 32.2 48.2



#32
 1,1,1-Trichloroethane
 Concen: 0.941 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion: 97 Resp: 129288
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.5 77.3
 61 49.3 38.8 58.2

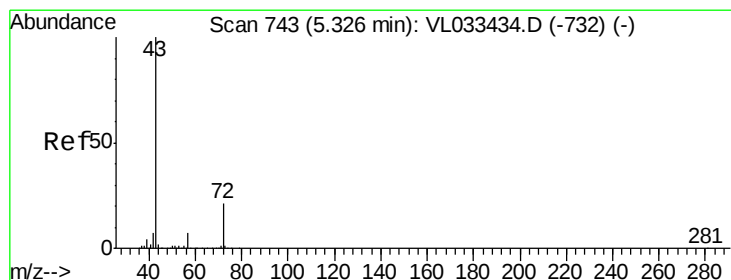
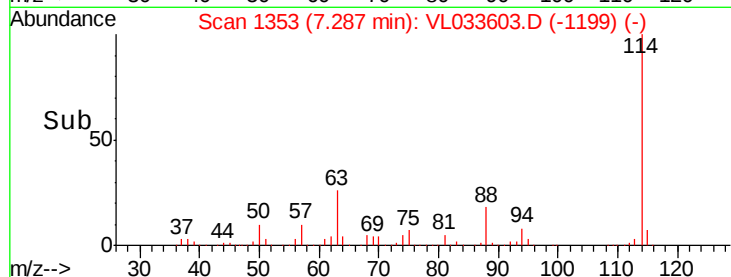
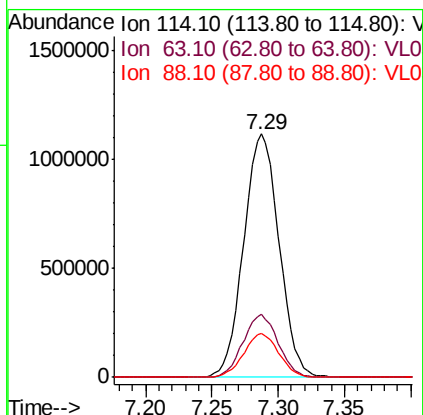
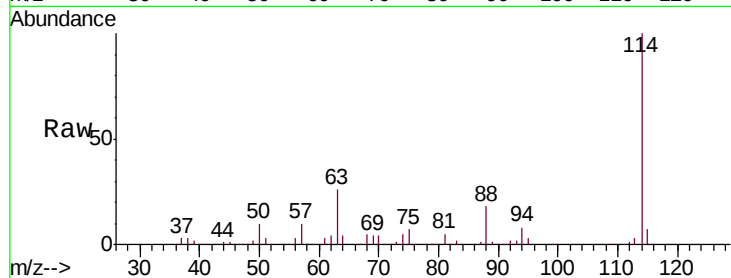




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

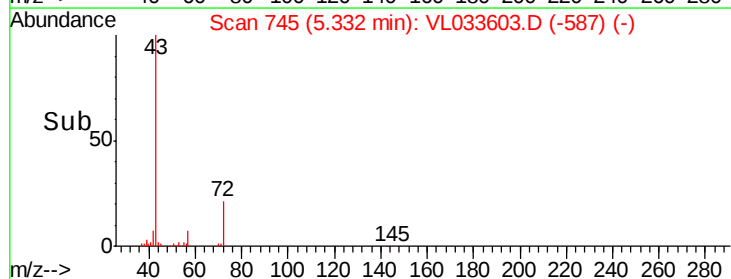
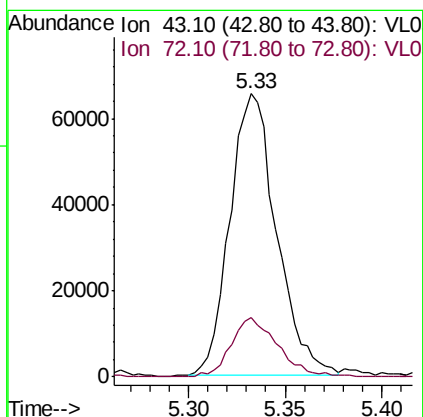
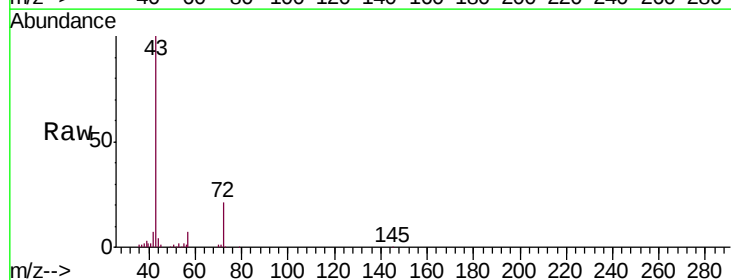
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

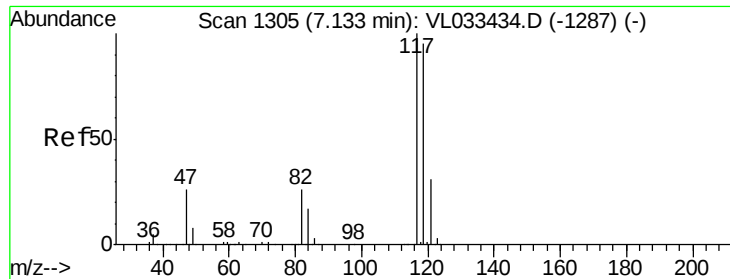
Tgt Ion: 114 Resp: 2073098
 Ion Ratio Lower Upper
 114 100
 63 25.7 21.5 32.3
 88 18.0 14.5 21.7



#34
 2-Butanone
 Concen: 0.879 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion: 43 Resp: 109540
 Ion Ratio Lower Upper
 43 100
 72 21.2 17.4 26.2

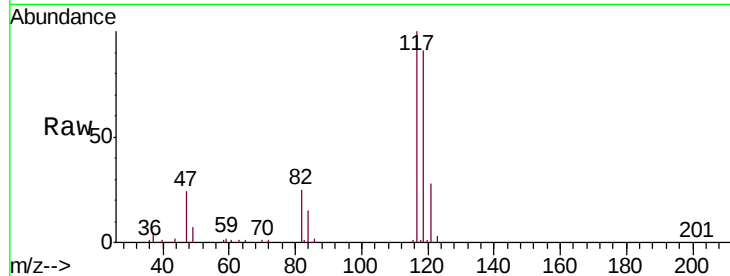




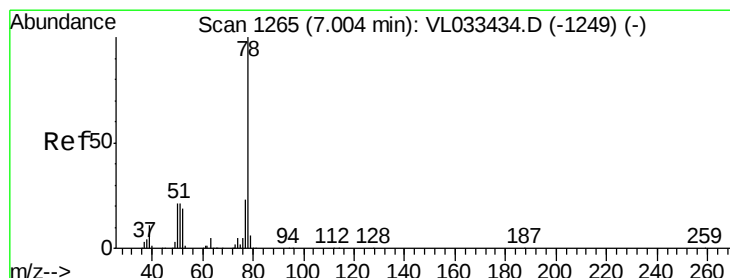
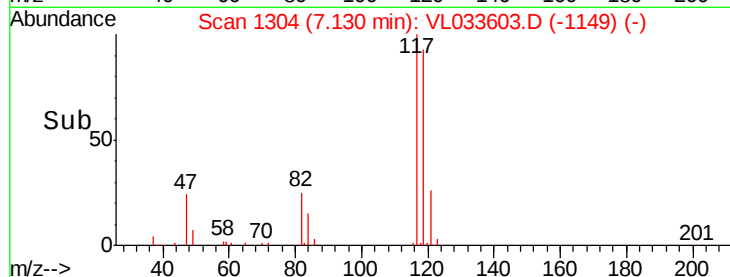
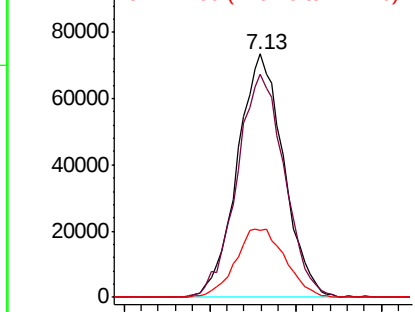
#35
Carbon Tetrachloride
Concen: 0.934 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

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

Tgt Ion: 117 Resp: 137181
Ion Ratio Lower Upper
117 100
119 91.4 75.8 113.8
121 27.6 24.7 37.1

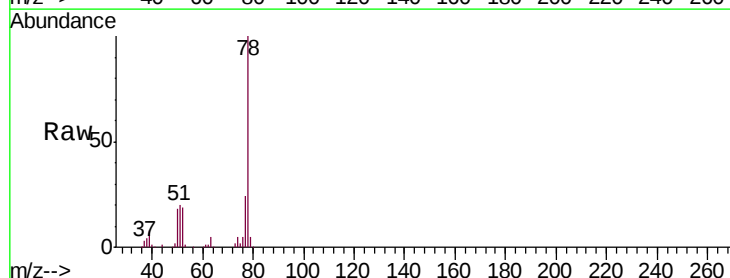


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

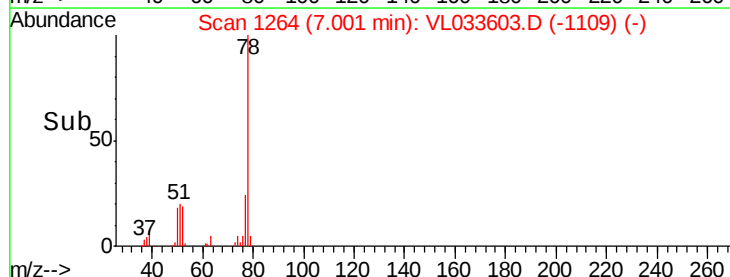
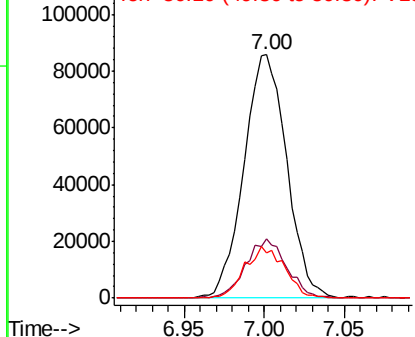


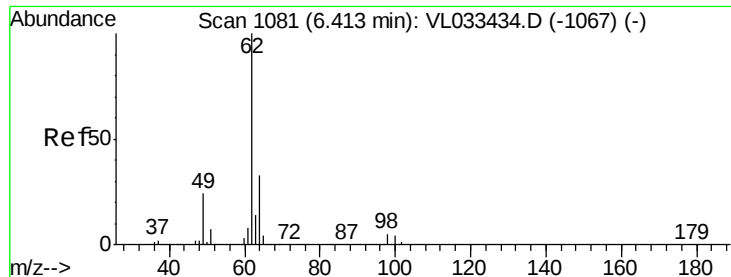
#36
Benzene
Concen: 0.900 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

Tgt Ion: 78 Resp: 156574
Ion Ratio Lower Upper
78 100
77 24.2 18.1 27.1
50 18.4 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

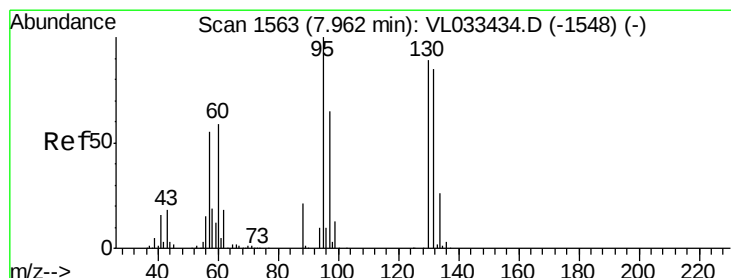
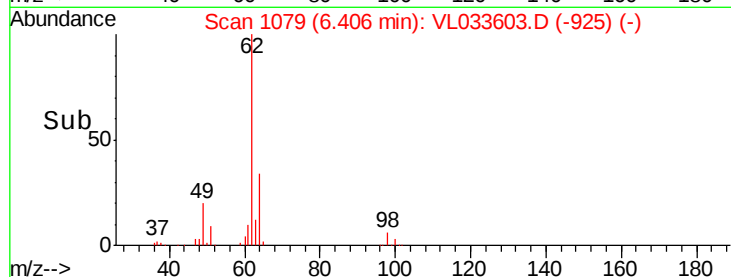
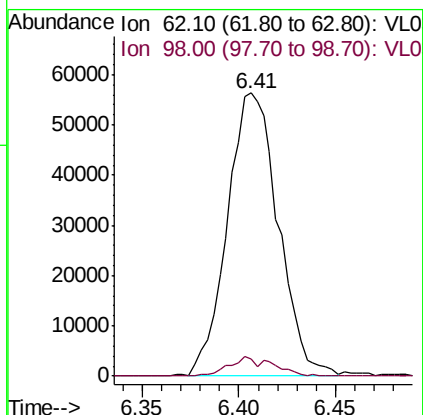
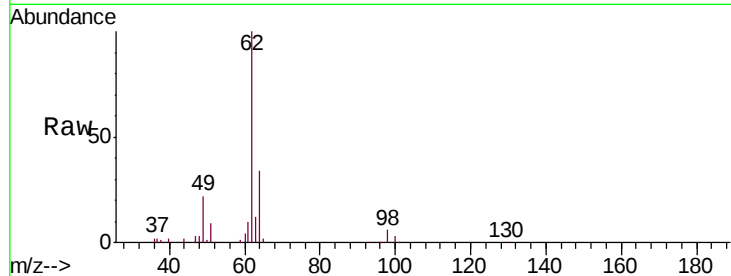




#37
 1,2-Dichloroethane
 Concen: 0.883 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

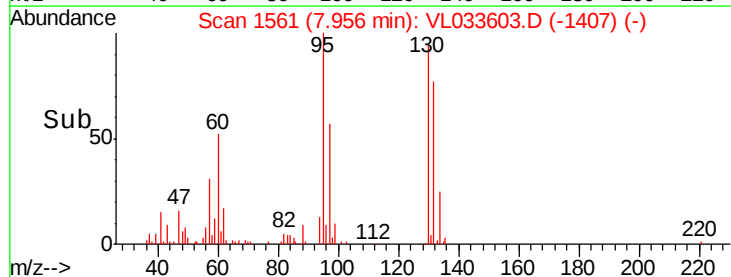
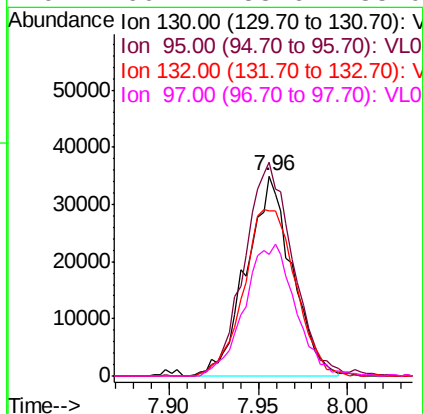
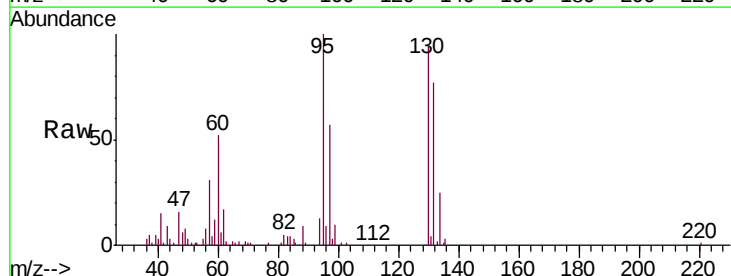
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

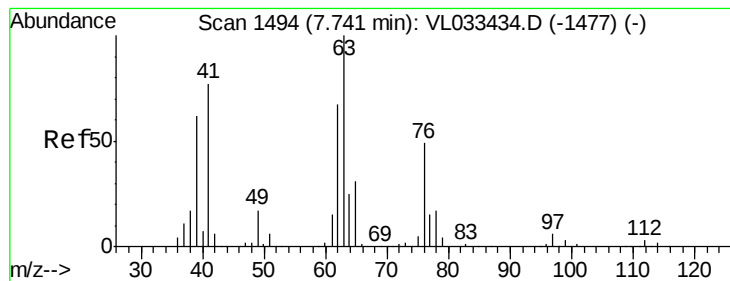
Tgt Ion: 62 Resp: 102939
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.4 6.6



#38
 Trichloroethene
 Concen: 0.953 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion: 130 Resp: 62365
 Ion Ratio Lower Upper
 130 100
 95 106.6 89.8 134.8
 132 85.1 76.6 115.0
 97 60.4 58.6 88.0





#39

1,2-Dichloropropane

Concen: 0.840 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

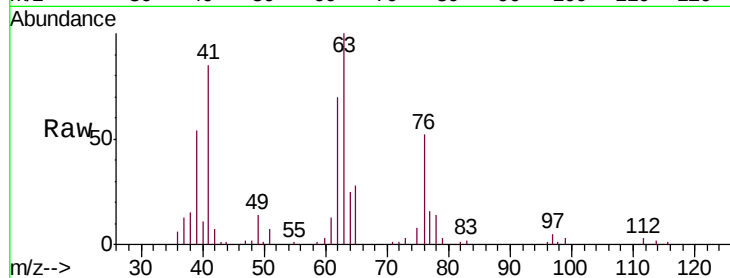
Tgt Ion: 63 Resp: 57256

Ion Ratio Lower Upper

63 100

41 83.1 61.2 91.8

62 69.7 54.0 81.0

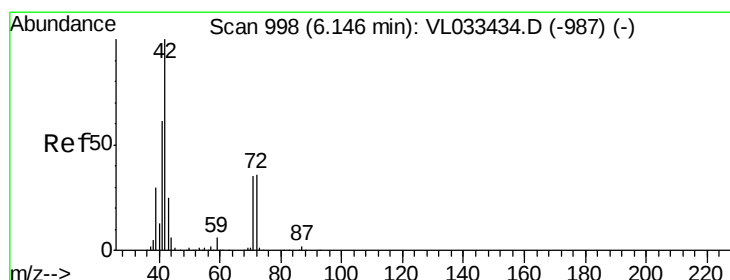
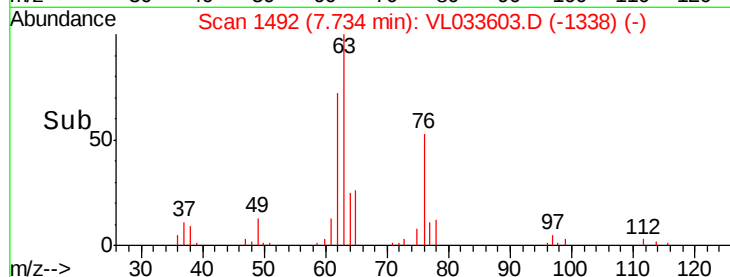
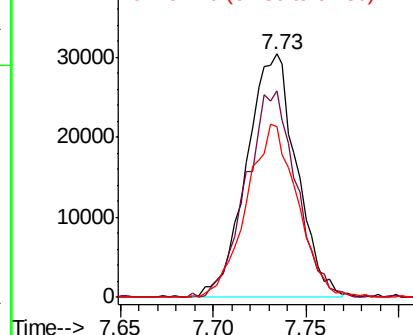


Abundance

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



#41

Tetrahydrofuran

Concen: 0.543 ppbv

RT: 6.17 min Scan# 1004

Delta R.T. 0.02 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

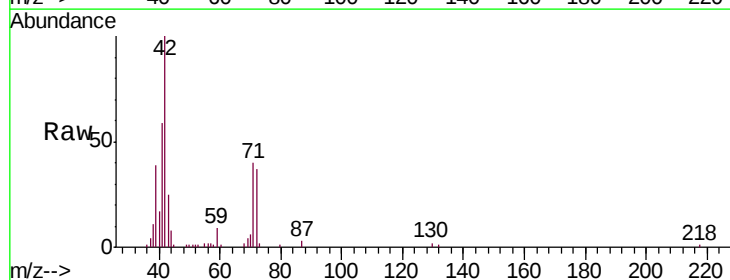
Tgt Ion: 42 Resp: 37231

Ion Ratio Lower Upper

42 100

72 56.5 30.2 45.2#

71 56.4 29.4 44.2#

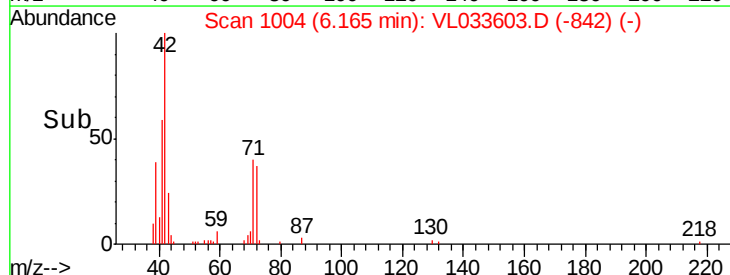
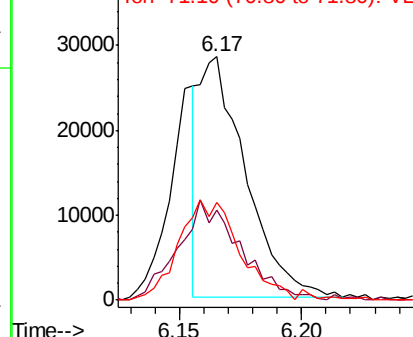


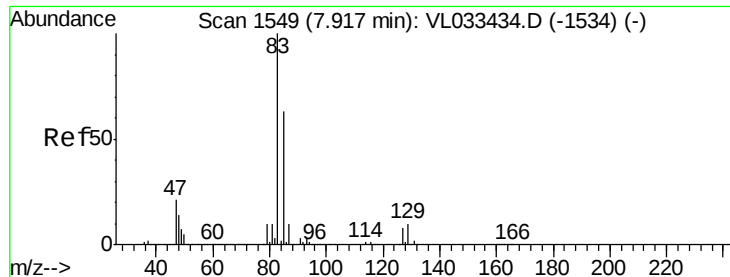
Abundance

Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.872 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

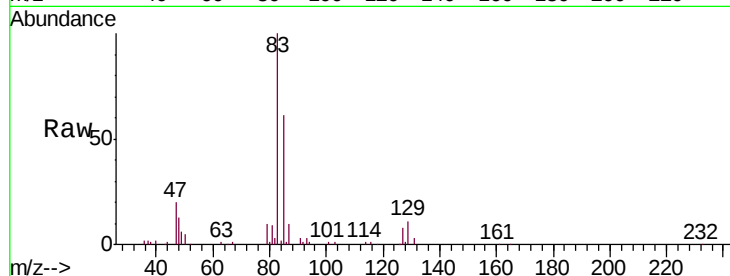
Tgt Ion: 83 Resp: 138438

Ion Ratio Lower Upper

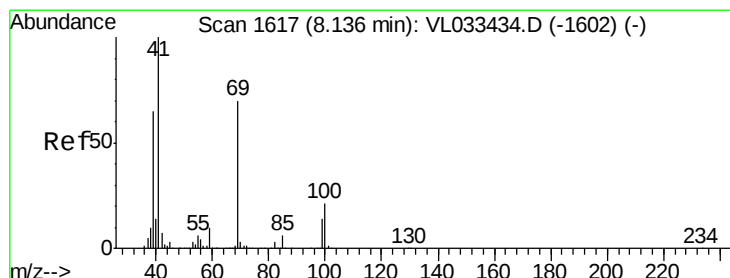
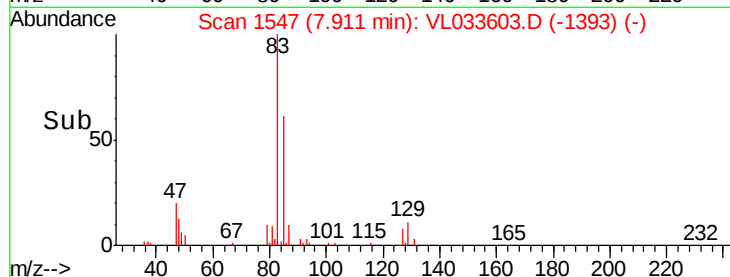
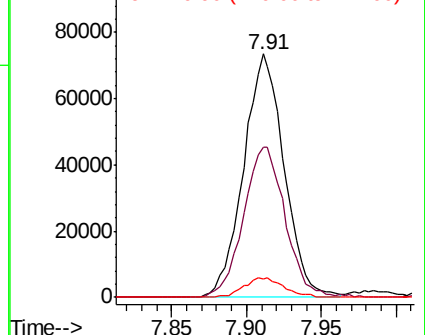
83 100

85 61.5 50.7 76.1

127 7.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.780 ppbv

RT: 8.14 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

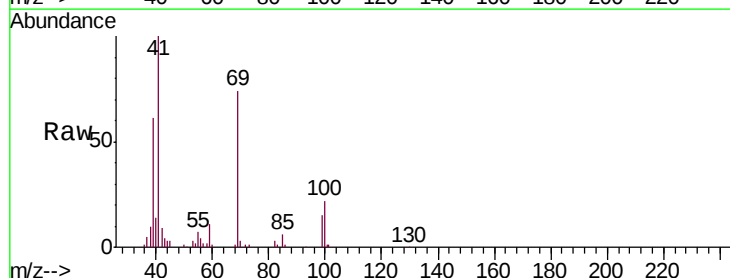
Tgt Ion: 69 Resp: 55096

Ion Ratio Lower Upper

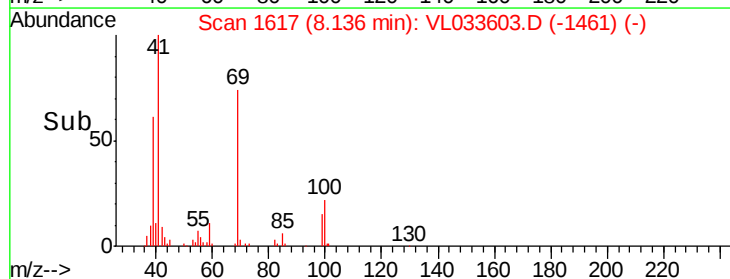
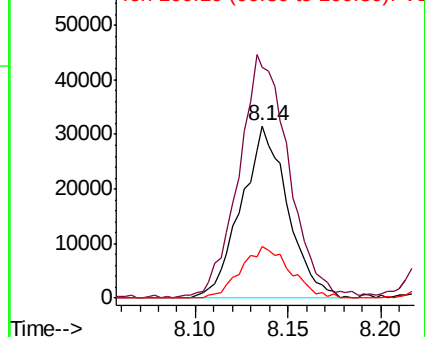
69 100

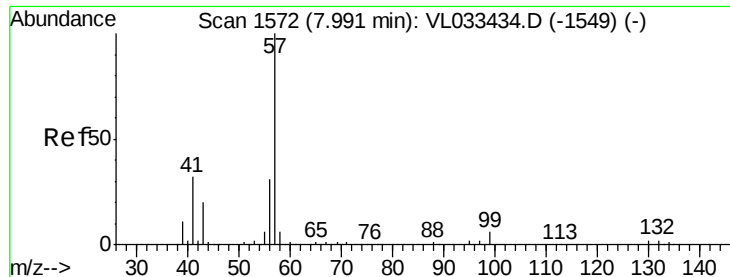
41 152.8 116.6 174.8

100 31.7 24.4 36.6



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.884 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

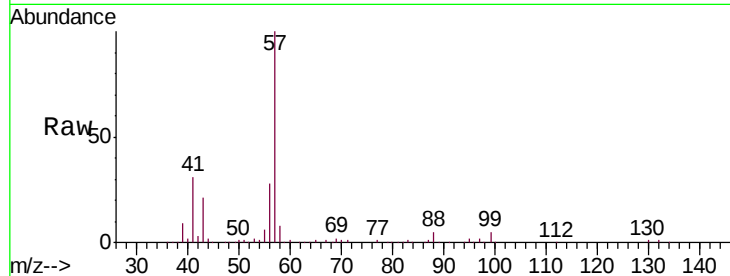
Tgt Ion: 57 Resp: 268642

Ion Ratio Lower Upper

57 100

41 35.1 26.0 39.0

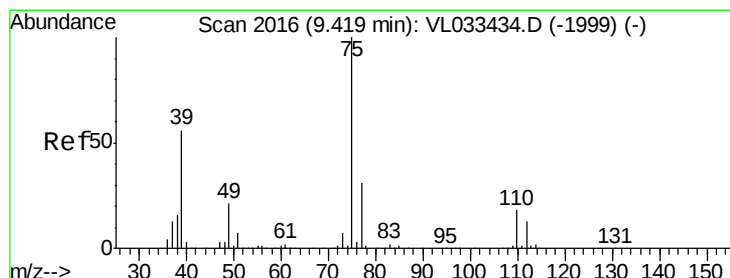
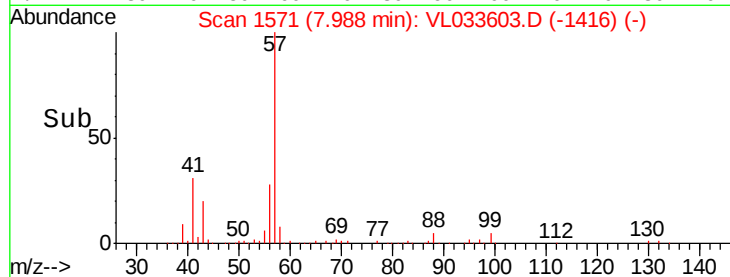
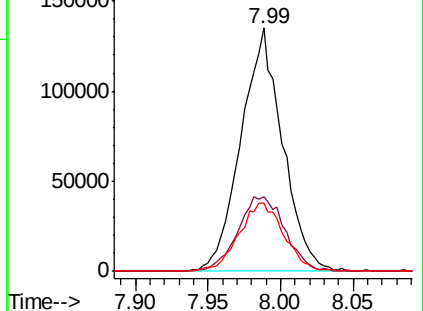
56 30.6 24.6 37.0



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



#45

t-1,3-Dichloropropene

Concen: 0.752 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.01 min

Lab File: VL033603.D

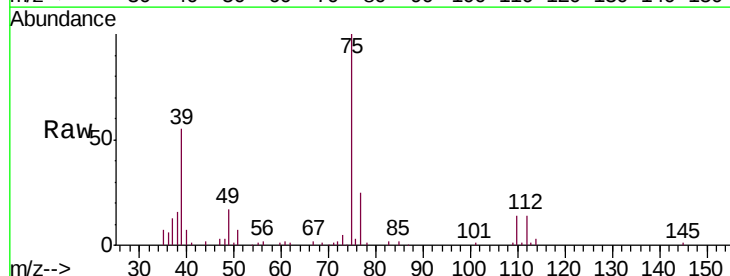
Acq: 17 Apr 2019 15:37

Tgt Ion: 75 Resp: 65248

Ion Ratio Lower Upper

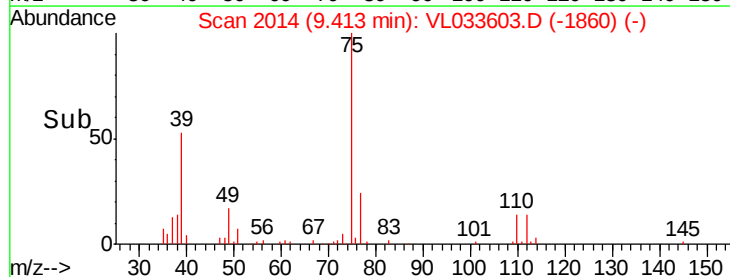
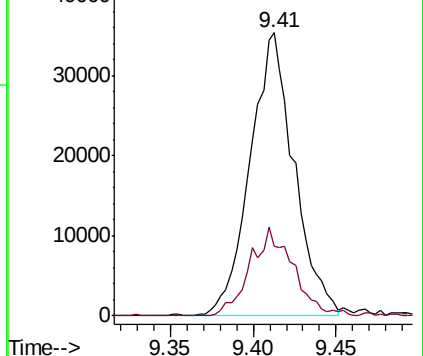
75 100

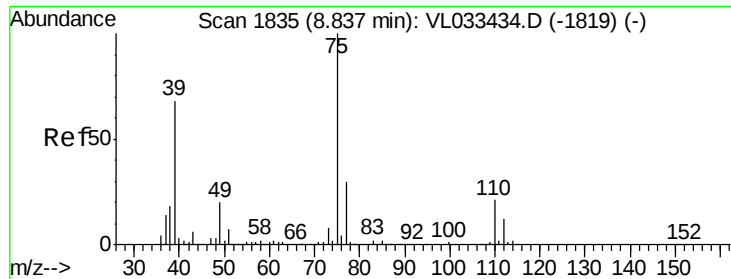
77 23.9 24.5 36.7#



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

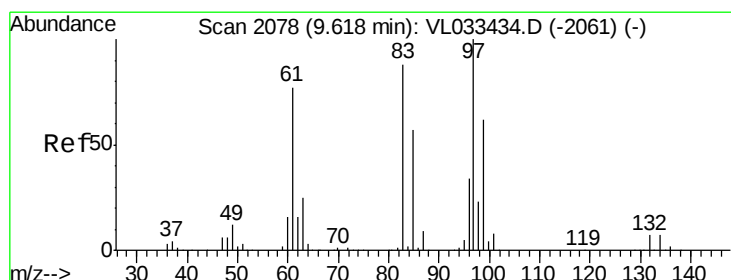
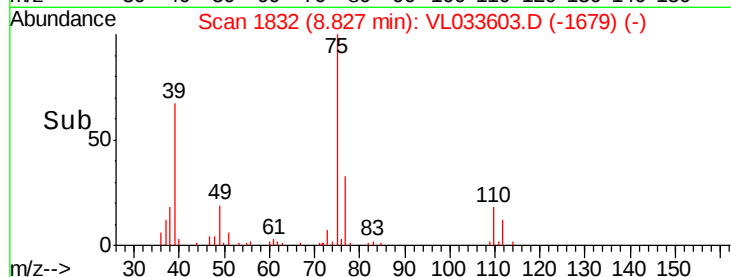
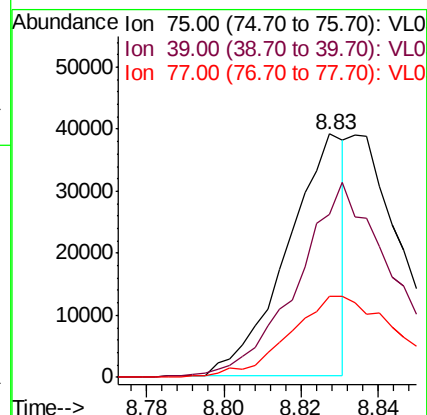
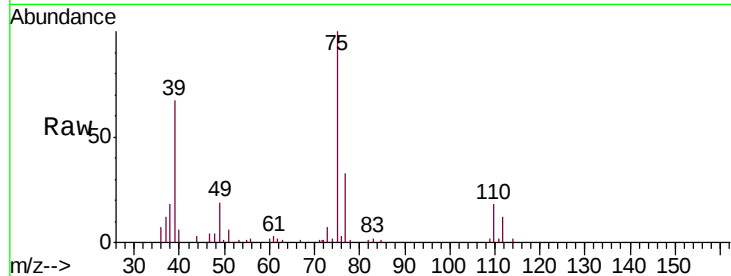




#46
 cis-1,3-Dichloropropene
 Concen: 0.396 ppbv
 RT: 8.83 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

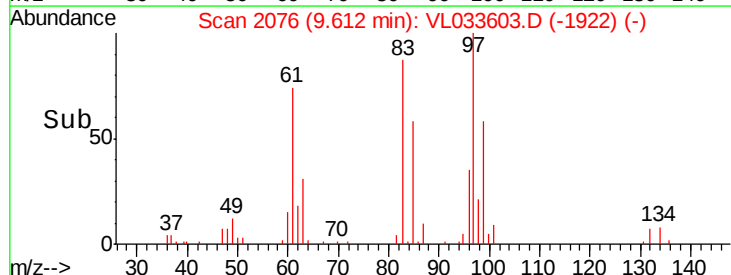
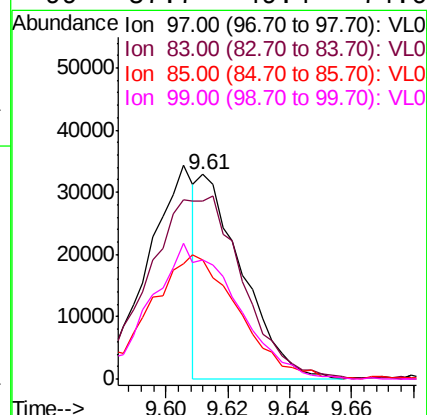
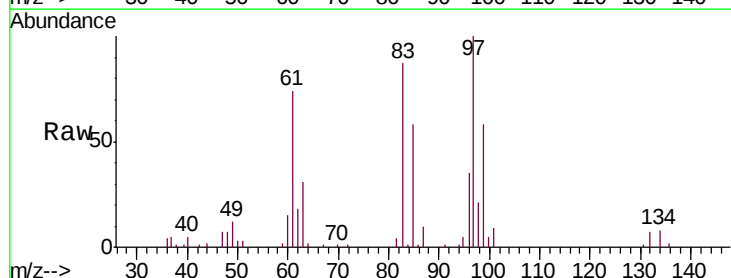
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

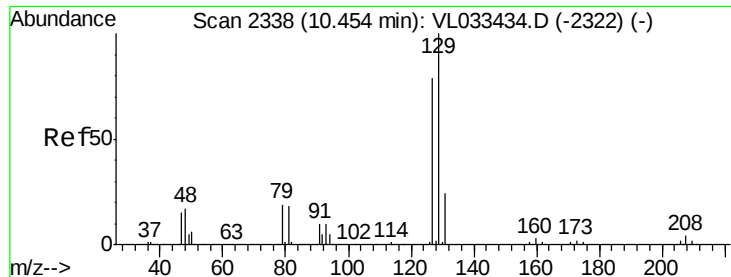
Tgt Ion: 75 Resp: 40070
 Ion Ratio Lower Upper
 75 100
 39 66.4 54.1 81.1
 77 33.1 23.9 35.9



#47
 1,1,2-Trichloroethane
 Concen: 0.417 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion: 97 Resp: 32270
 Ion Ratio Lower Upper
 97 100
 83 86.3 70.5 105.7
 85 58.0 45.6 68.4
 99 57.7 49.4 74.0





#48

Dibromochloromethane

Concen: 0.831 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

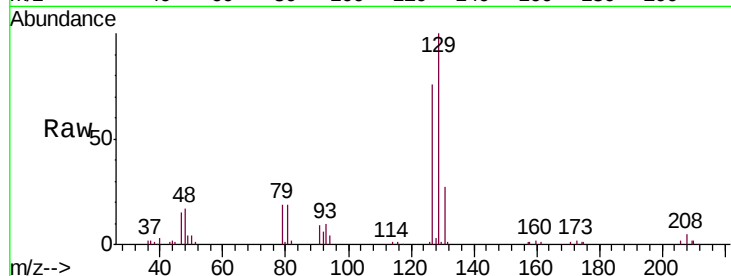
LOQ-AIR-02-QT2-2019

Tgt Ion:129 Resp: 108472

Ion Ratio Lower Upper

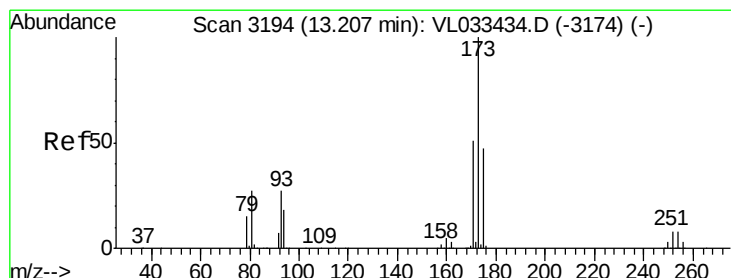
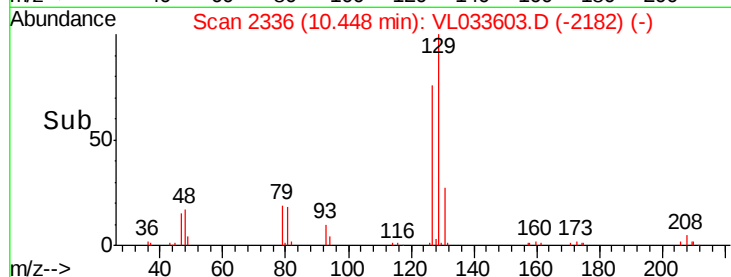
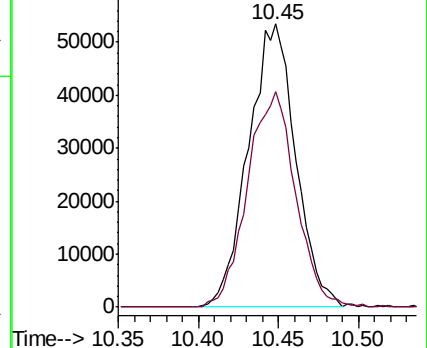
129 100

127 77.1 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.732 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

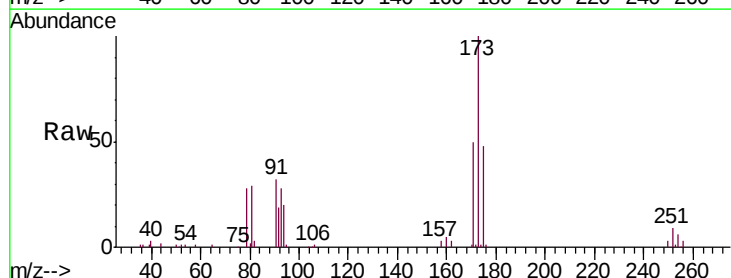
Tgt Ion:173 Resp: 91290

Ion Ratio Lower Upper

173 100

175 49.6 39.3 58.9

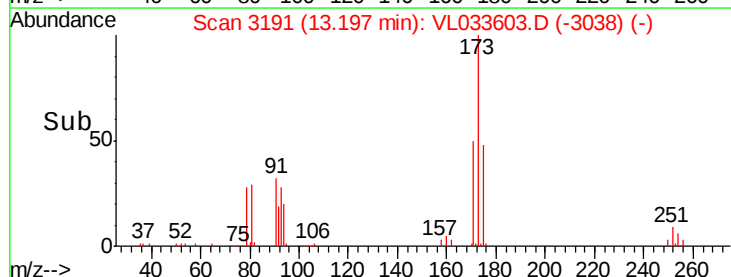
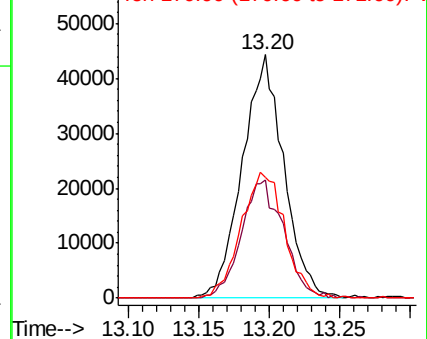
171 54.3 41.2 61.8

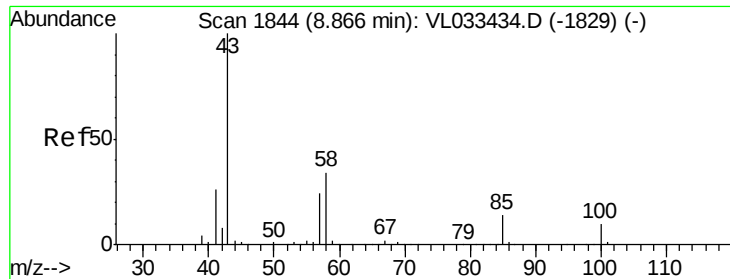


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

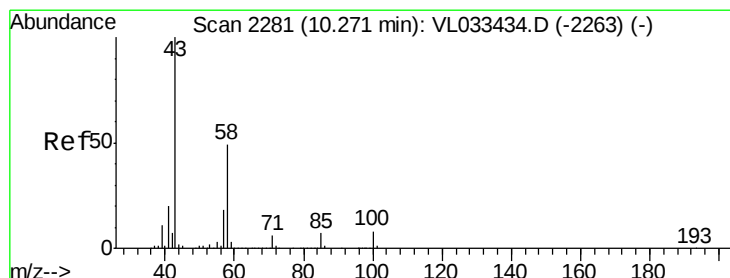
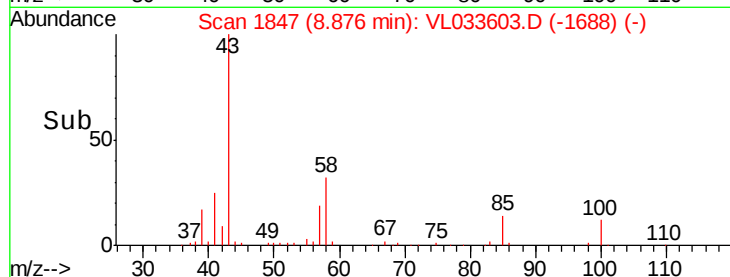
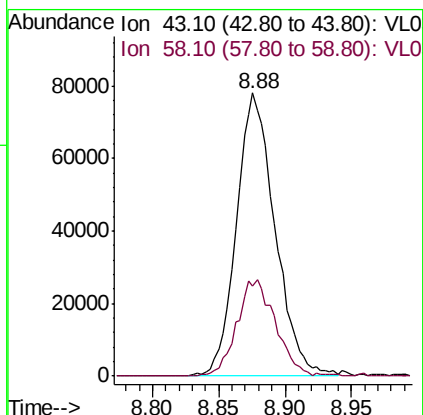
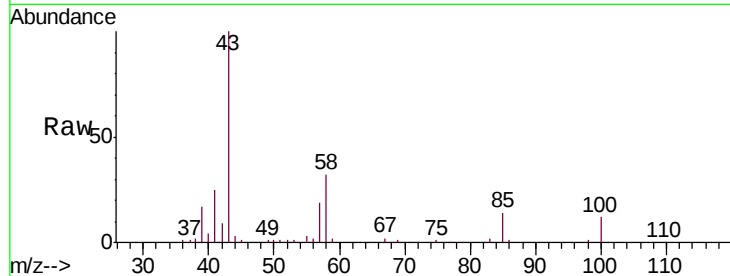




#50
4-Methyl-2-Pentanone
Concen: 0.864 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.01 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

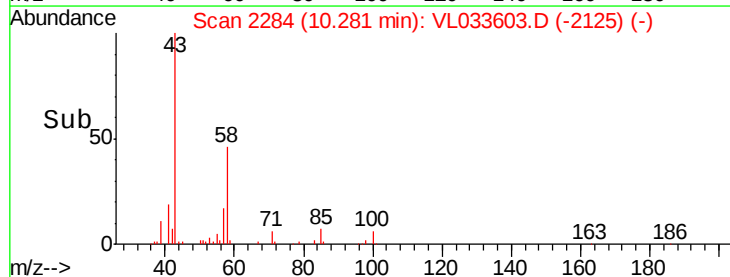
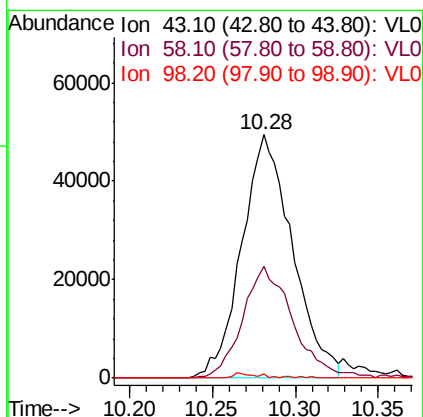
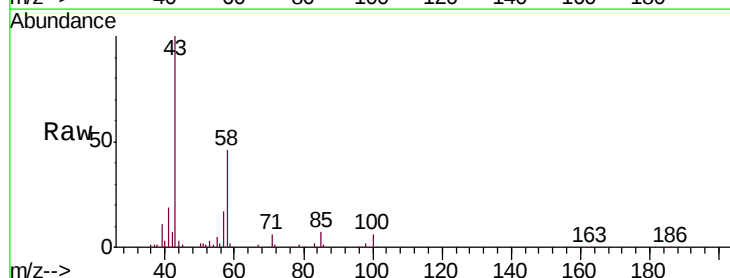
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

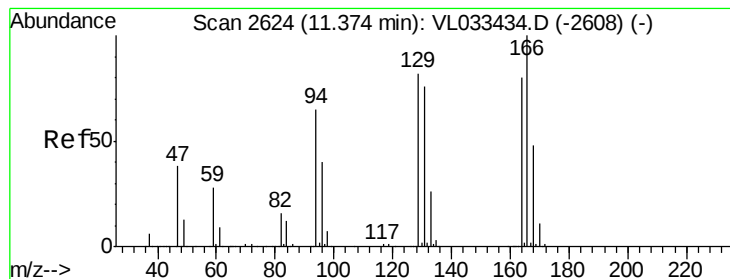
Tgt Ion: 43 Resp: 157668
Ion Ratio Lower Upper
43 100
58 34.6 28.0 42.0



#51
2-Hexanone
Concen: 0.773 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.01 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

Tgt Ion: 43 Resp: 105176
Ion Ratio Lower Upper
43 100
58 46.5 38.2 57.2
98 1.2 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.909 ppbv

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Tgt Ion:164 Resp: 59646

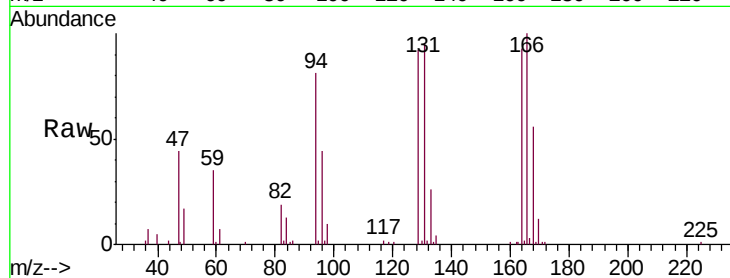
Ion Ratio Lower Upper

164 100

166 106.4 99.5 149.3

129 98.2 81.4 122.2

131 103.1 75.6 113.4

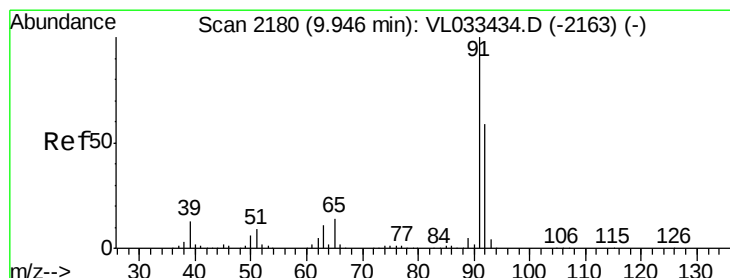
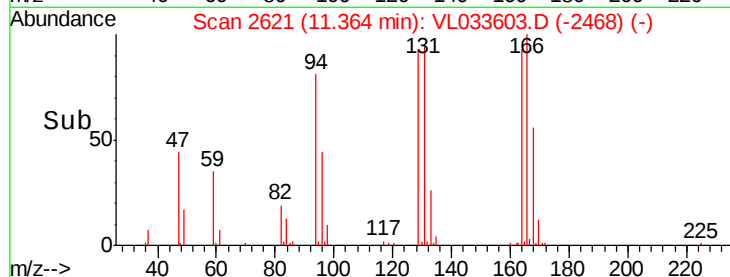
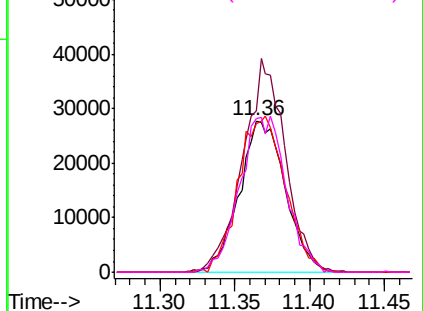


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.838 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033603.D

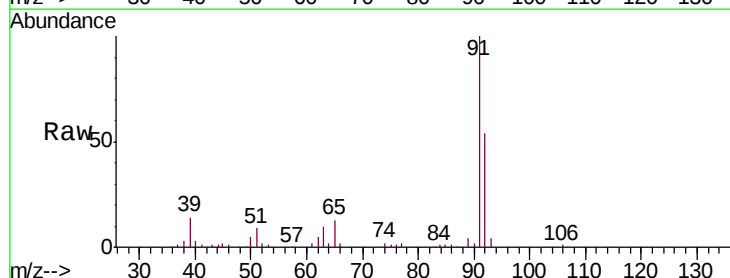
Acq: 17 Apr 2019 15:37

Tgt Ion: 91 Resp: 169404

Ion Ratio Lower Upper

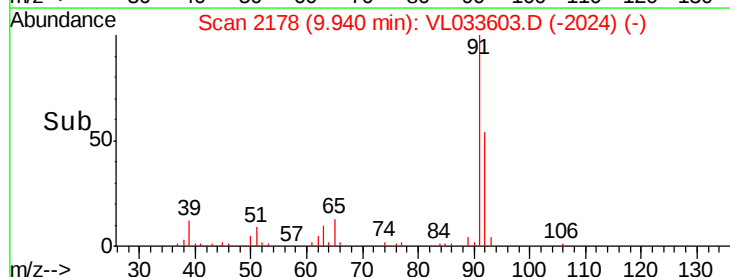
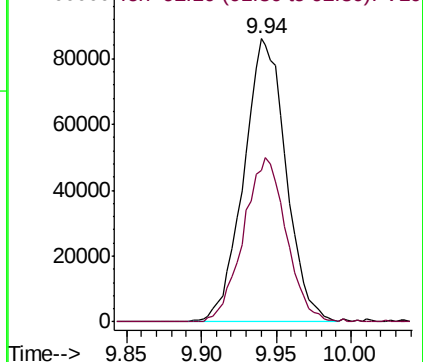
91 100

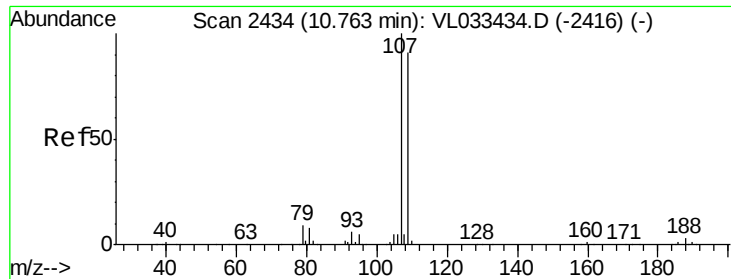
92 58.7 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

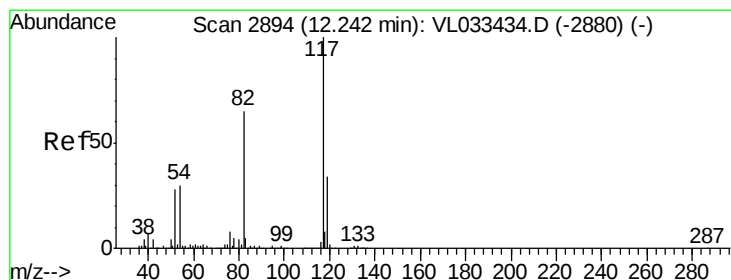
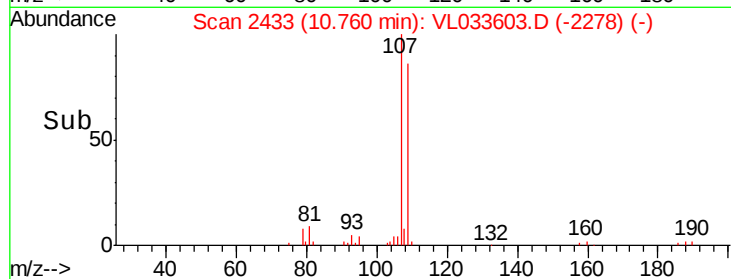
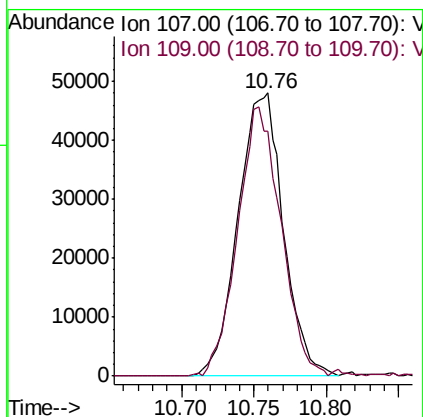
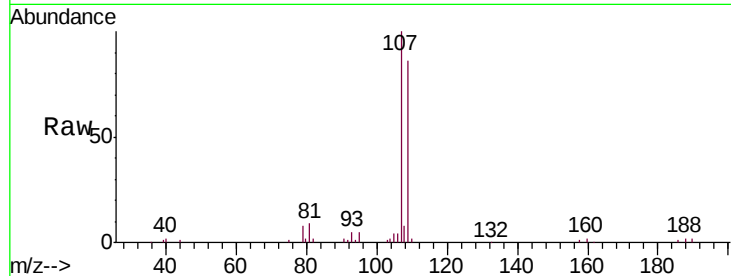




#54
 1,2-Dibromoethane
 Concen: 0.861 ppbv
 RT: 10.76 min Scan# 2433
 Delta R.T. -0.00 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

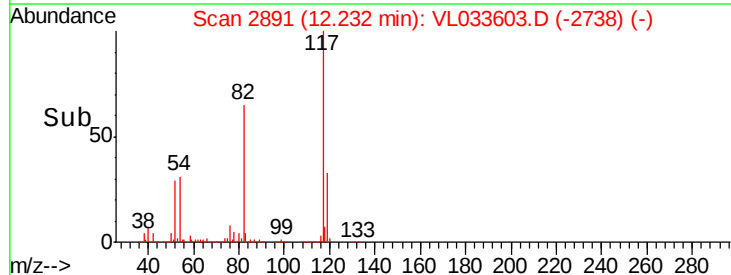
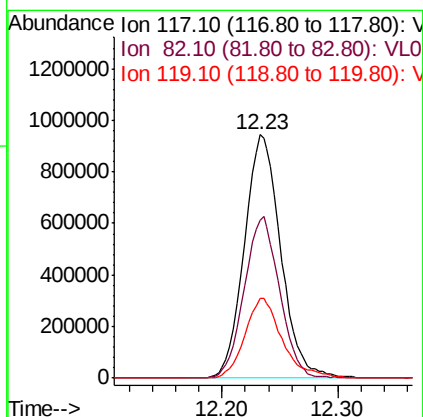
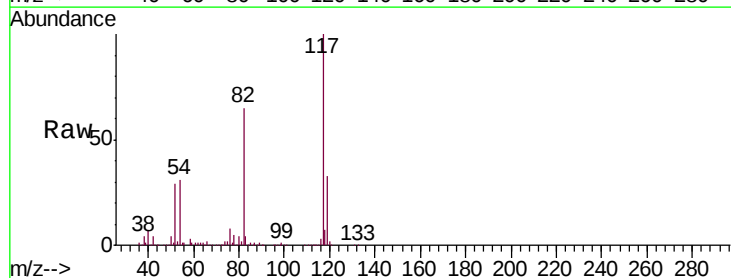
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

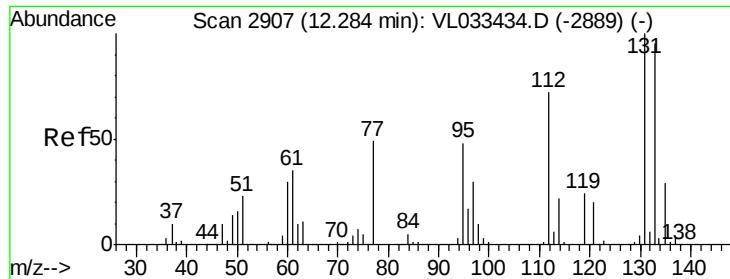
Tgt Ion:107 Resp: 104247
 Ion Ratio Lower Upper
 107 100
 109 86.4 72.7 109.1



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.23 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion:117 Resp: 2060794
 Ion Ratio Lower Upper
 117 100
 82 64.8 51.5 77.3
 119 33.8 25.5 38.3





#56

1,1,1,2-Tetrachloroethane

Concen: 0.899 ppbv

RT: 12.28 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

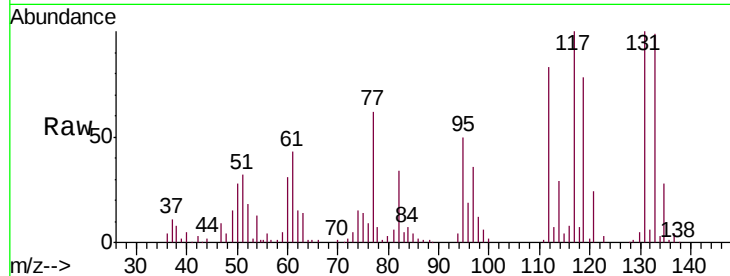
Tgt Ion:131 Resp: 84907

Ion Ratio Lower Upper

131 100

133 99.2 76.2 114.4

119 822.1 45.0 67.6#

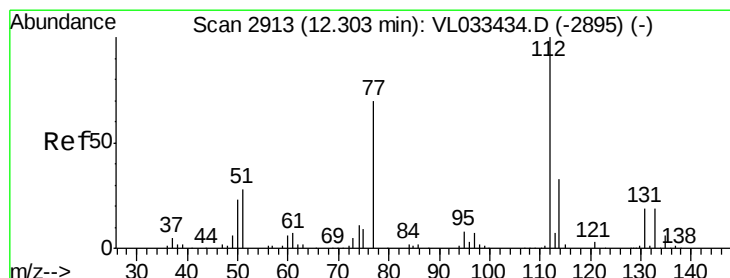
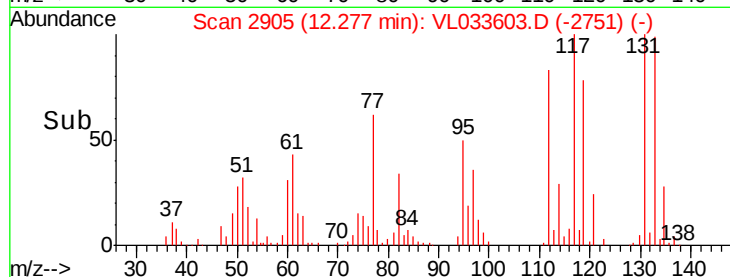
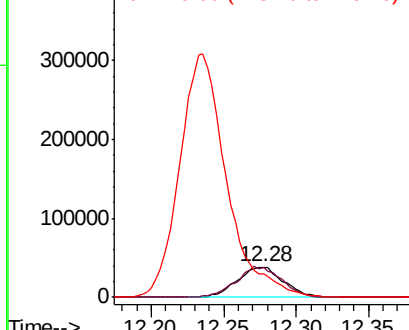


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.961 ppbv

RT: 12.30 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

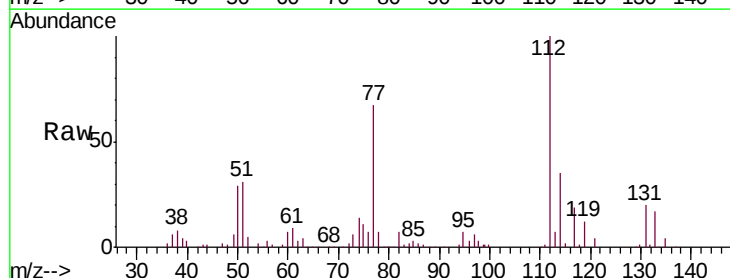
Tgt Ion:112 Resp: 153817

Ion Ratio Lower Upper

112 100

77 65.5 57.3 85.9

114 34.6 29.8 36.4

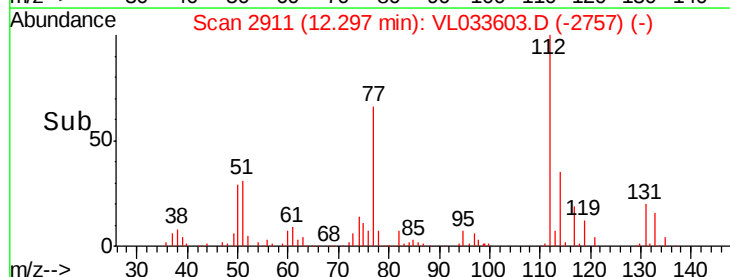
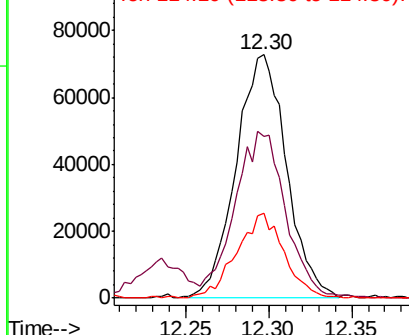


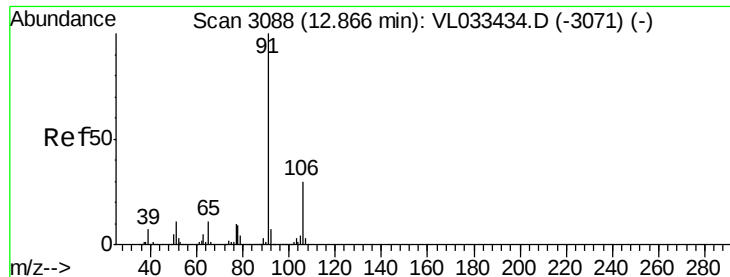
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): V

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.858 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

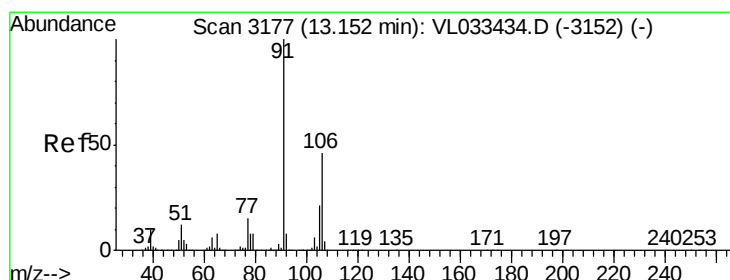
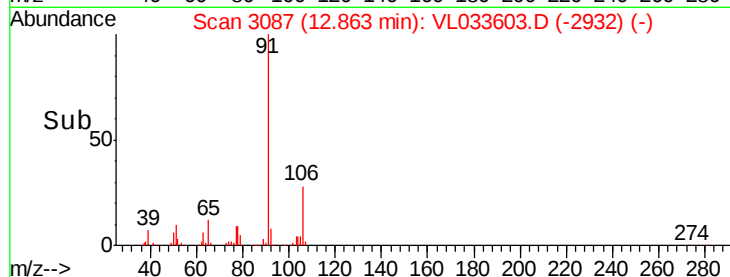
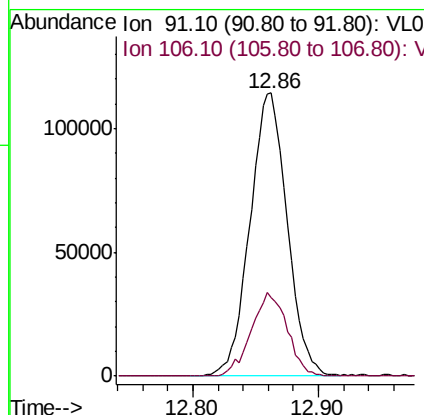
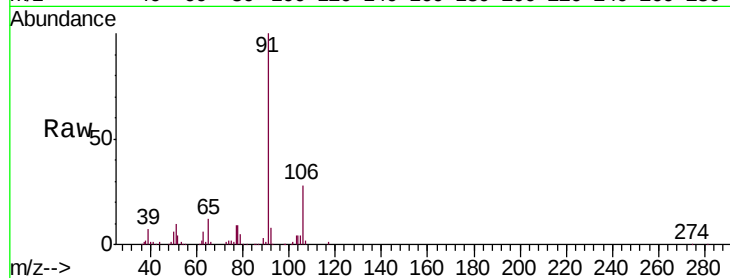
LOQ-AIR-02-QT2-2019

Tgt Ion: 91 Resp: 236248

Ion Ratio Lower Upper

91 100

106 27.6 23.8 35.6



#59

m/p-Xylene

Concen: 0.730 ppbv

RT: 13.14 min Scan# 3174

Delta R.T. -0.01 min

Lab File: VL033603.D

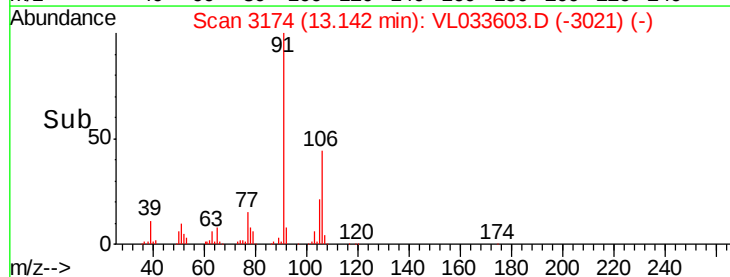
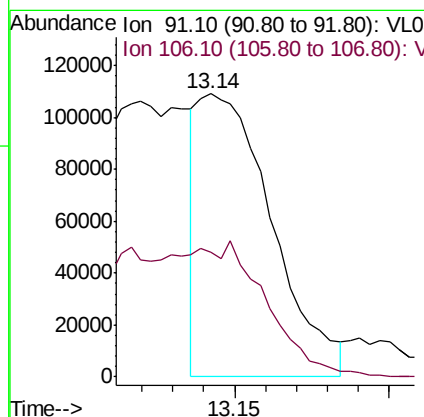
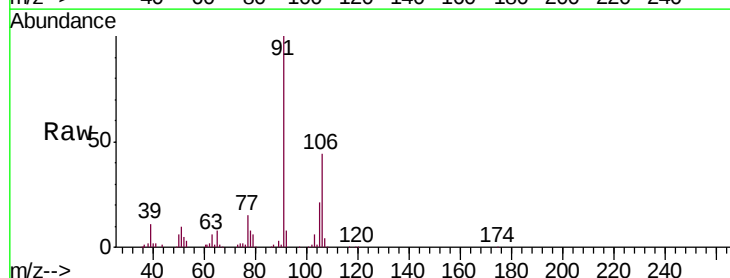
Acq: 17 Apr 2019 15:37

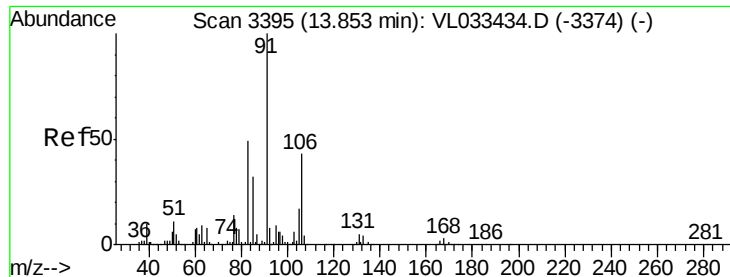
Tgt Ion: 91 Resp: 179374

Ion Ratio Lower Upper

91 100

106 104.1 0.0 0.0#





#60

o-Xylene

Concen: 0.898 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

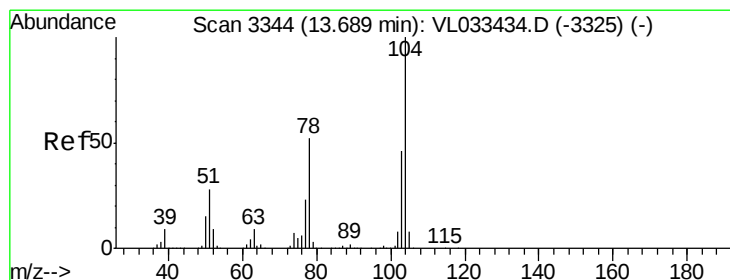
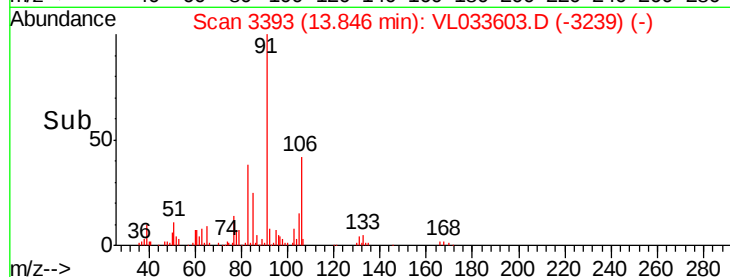
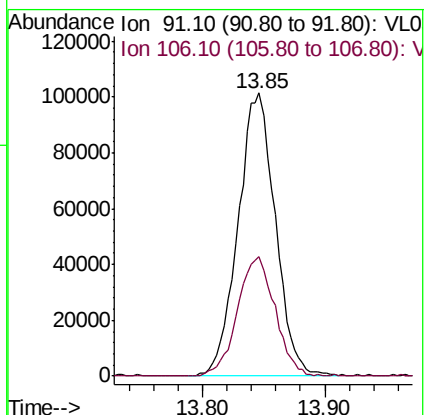
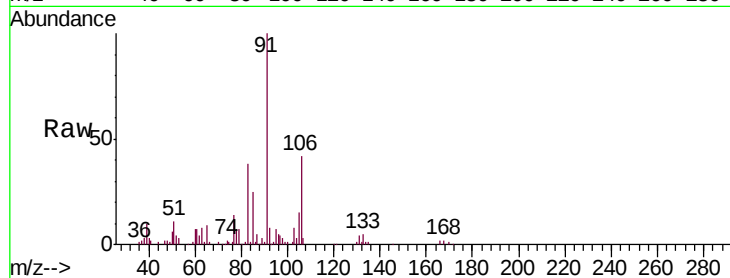
LOQ-AIR-02-QT2-2019

Tgt Ion: 91 Resp: 213568

Ion Ratio Lower Upper

91 100

106 42.6 21.4 64.3



#61

Styrene

Concen: 0.819 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

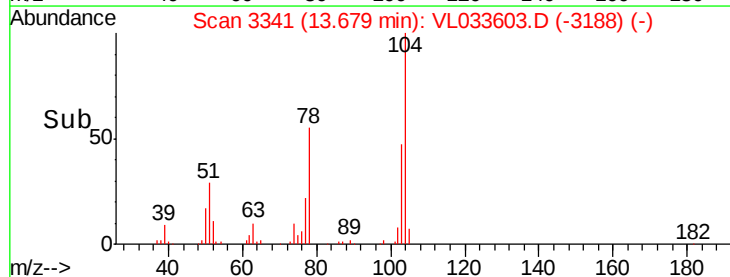
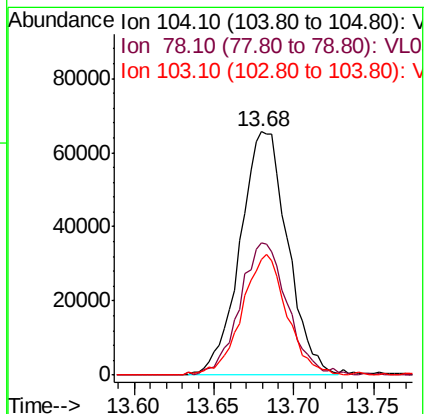
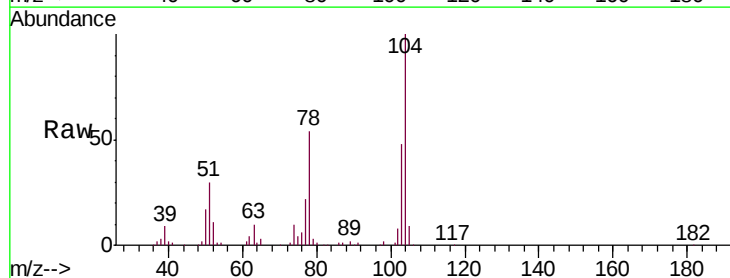
Tgt Ion: 104 Resp: 133563

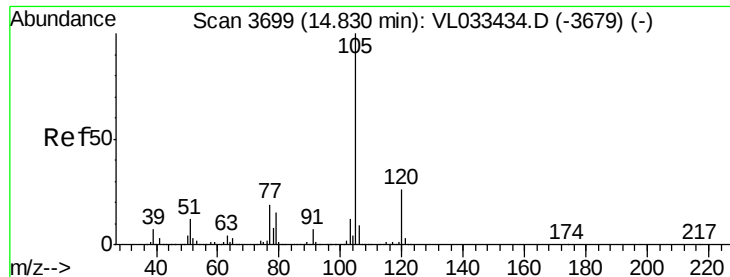
Ion Ratio Lower Upper

104 100

78 55.0 43.2 64.8

103 47.4 37.8 56.8





#62

Isopropylbenzene

Concen: 0.881 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

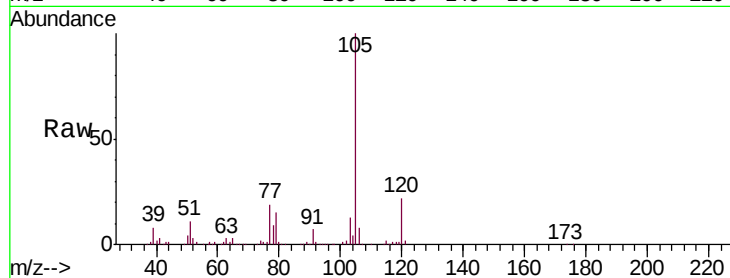
LOQ-AIR-02-QT2-2019

Tgt Ion: 105 Resp: 296708

Ion Ratio Lower Upper

105 100

120 24.3 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.82

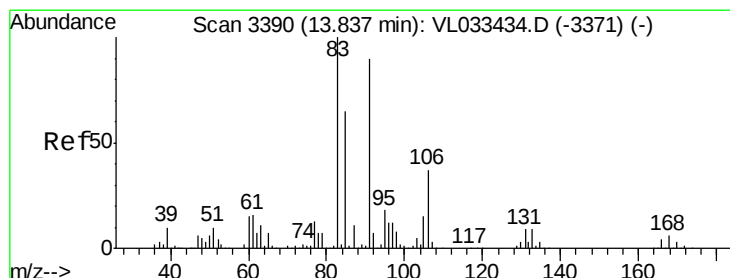
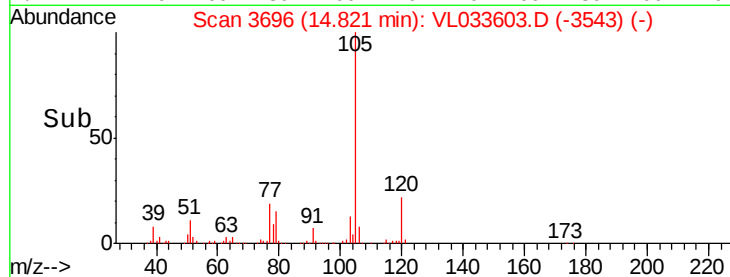
150000

100000

50000

0

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.908 ppbv

RT: 13.83 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

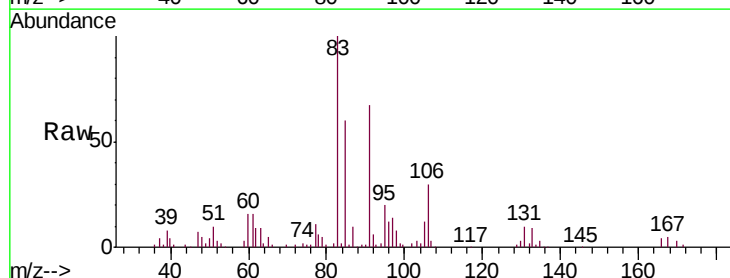
Tgt Ion: 83 Resp: 158883

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.0

85 65.2 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

13.83

80000

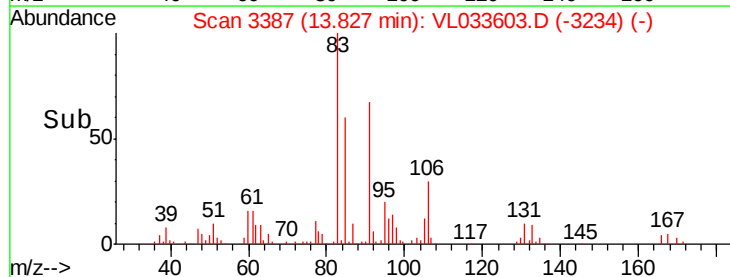
60000

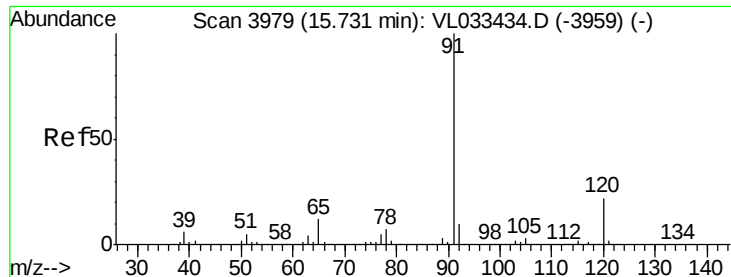
40000

20000

0

Time-->





#64

n-propylbenzene

Concen: 0.859 ppbv

RT: 15.72 min Scan# 3976

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

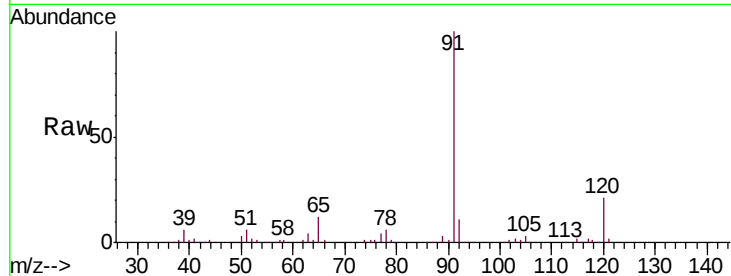
LOQ-AIR-02-QT2-2019

Tgt Ion:120 Resp: 73353

Ion Ratio Lower Upper

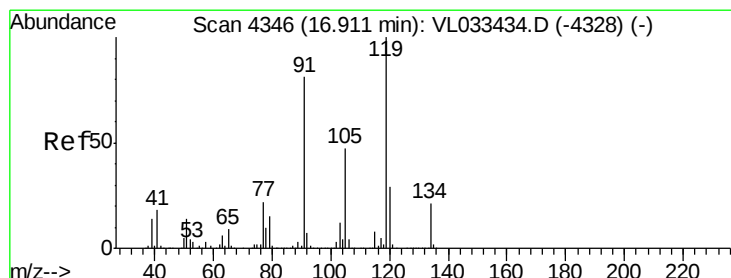
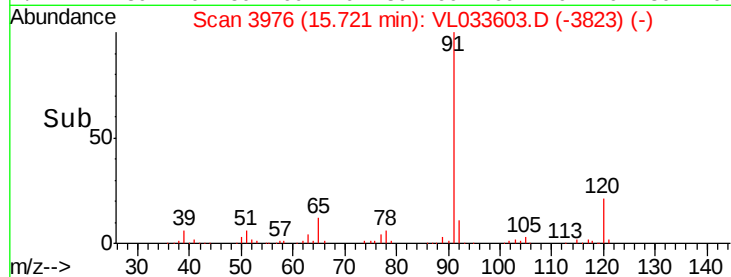
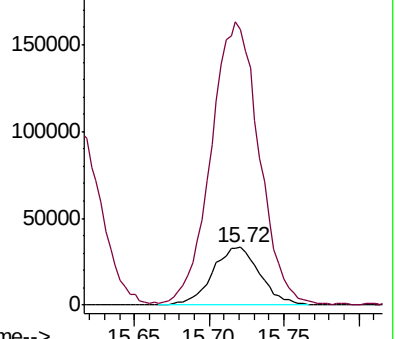
120 100

91 497.5 387.4 581.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.875 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

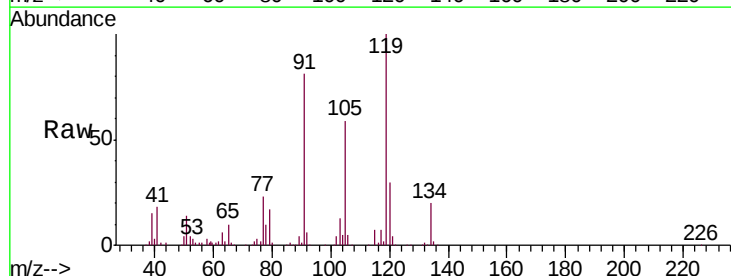
Tgt Ion:119 Resp: 259509

Ion Ratio Lower Upper

119 100

91 85.3 66.4 99.6

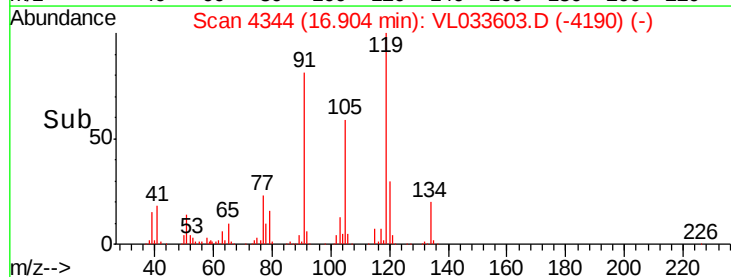
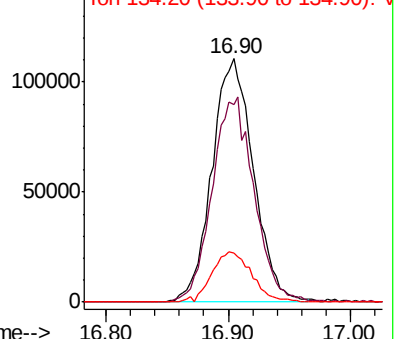
134 19.9 15.5 23.3

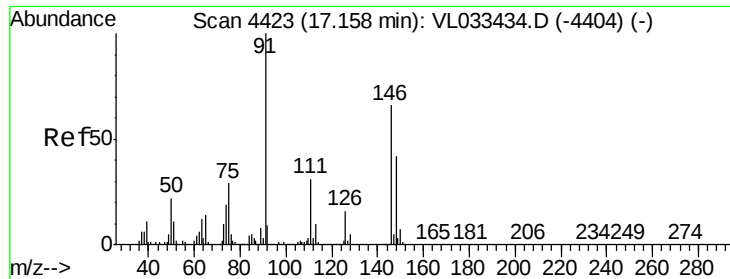


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

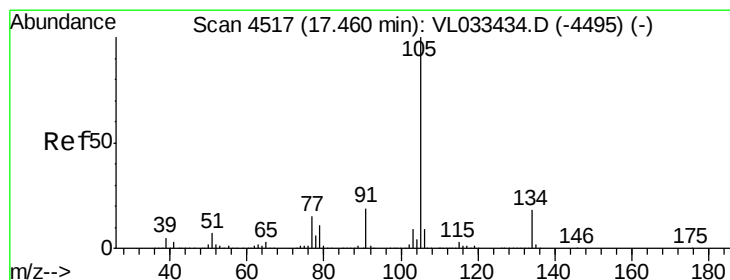
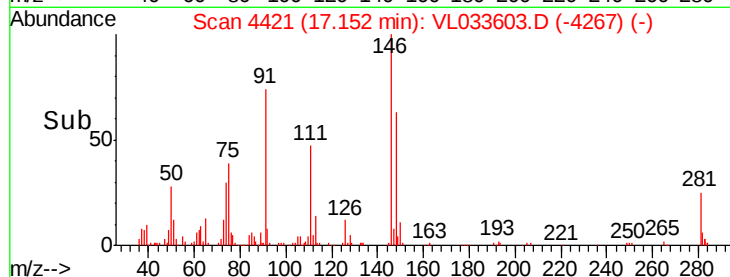
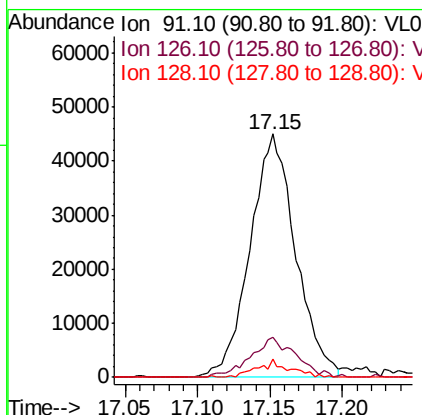
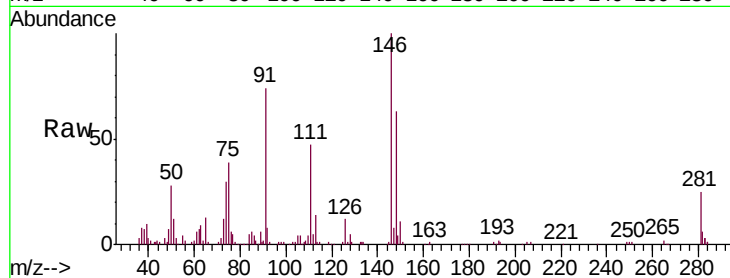




#66
Benzyl Chloride
Concen: 0.714 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.01 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

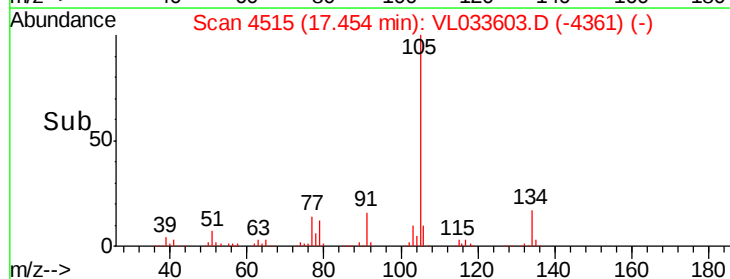
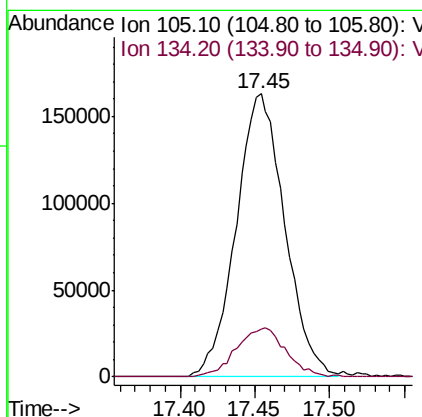
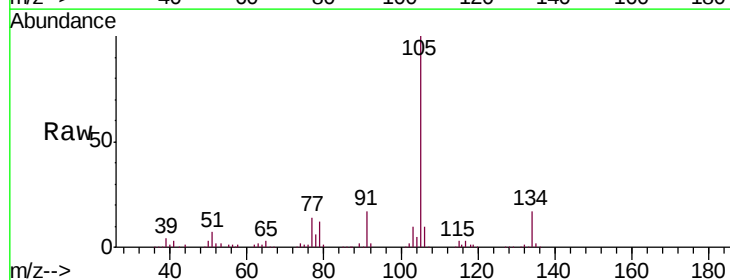
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

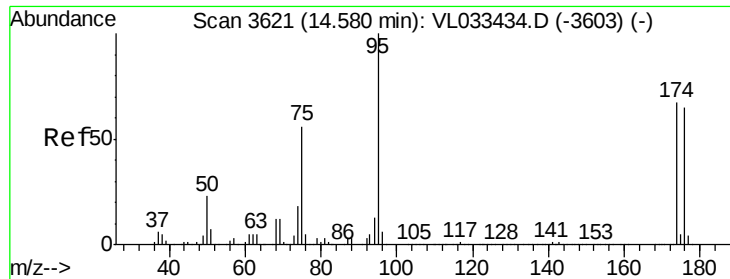
Tgt Ion: 91 Resp: 98466
Ion Ratio Lower Upper
91 100
126 16.4 13.0 19.6
128 5.2 4.2 6.2



#67
sec-Butylbenzene
Concen: 0.874 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.01 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

Tgt Ion:105 Resp: 368482
Ion Ratio Lower Upper
105 100
134 17.8 14.6 21.8

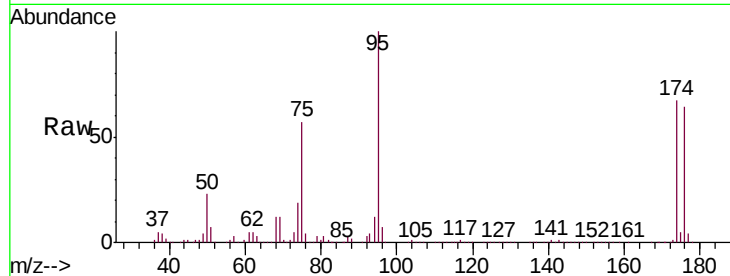




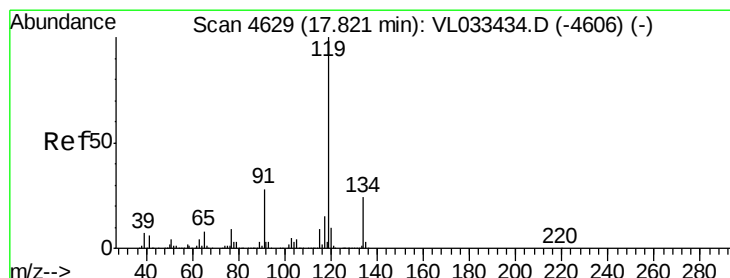
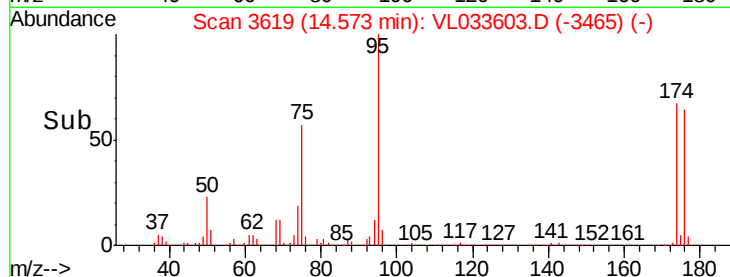
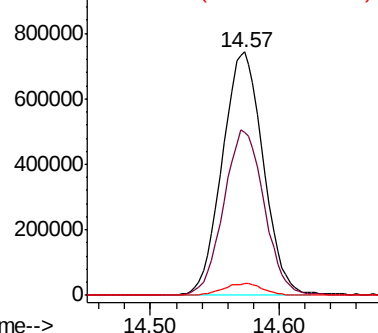
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.168 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

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

Tgt Ion: 95 Resp: 1642660
 Ion Ratio Lower Upper
 95 100
 174 67.6 52.9 79.3
 175 4.8 3.8 5.6

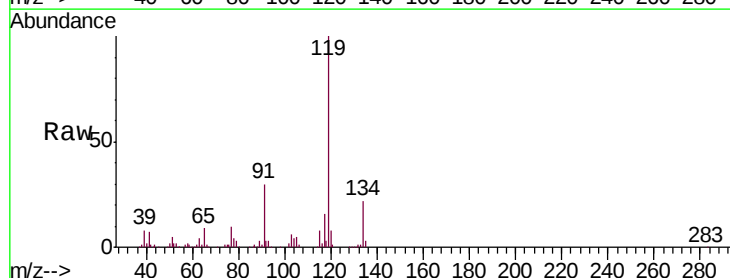


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

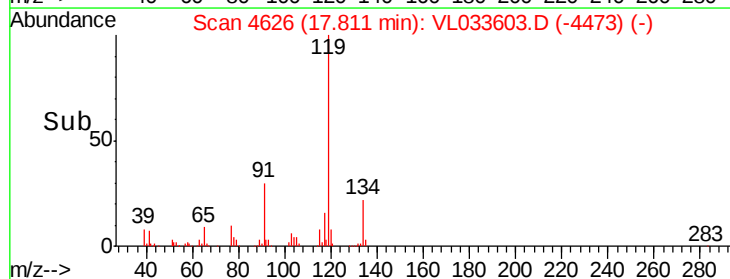
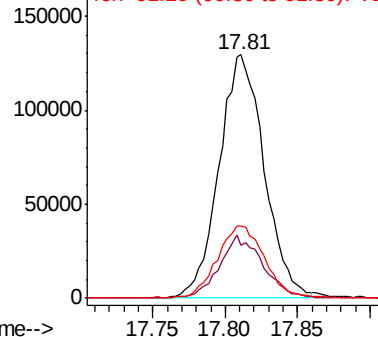


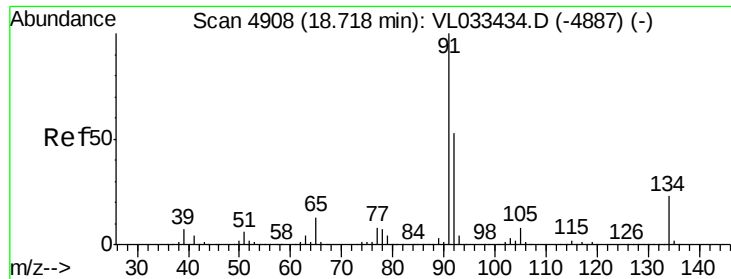
#69
 p-Isopropyltoluene
 Concen: 0.817 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion: 119 Resp: 280628
 Ion Ratio Lower Upper
 119 100
 134 24.7 19.9 29.9
 91 31.5 23.4 35.0



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): VL0

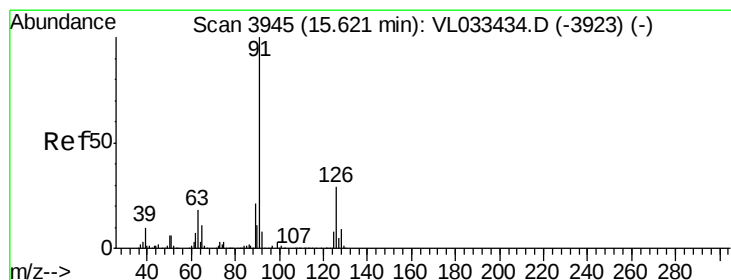
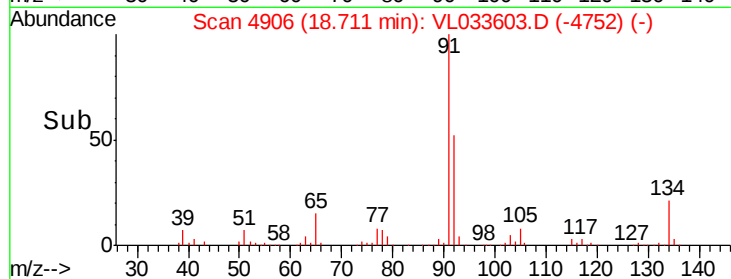
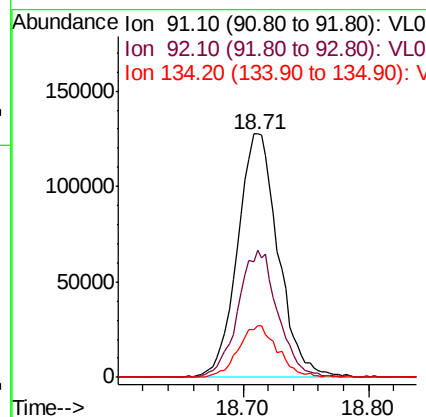
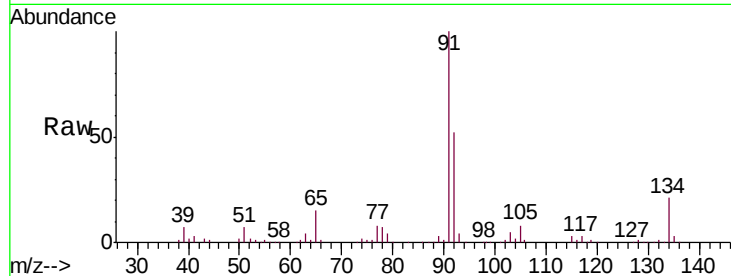




#70
n-Butylbenzene
Concen: 0.779 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.01 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

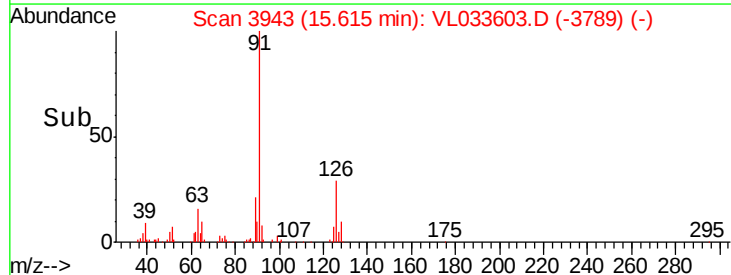
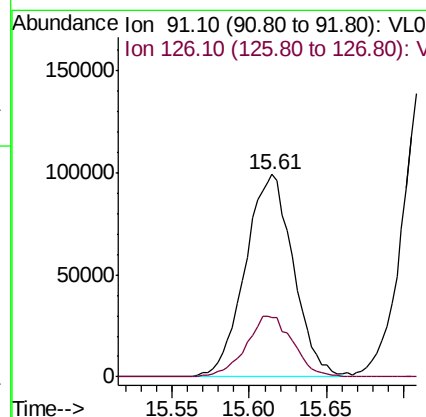
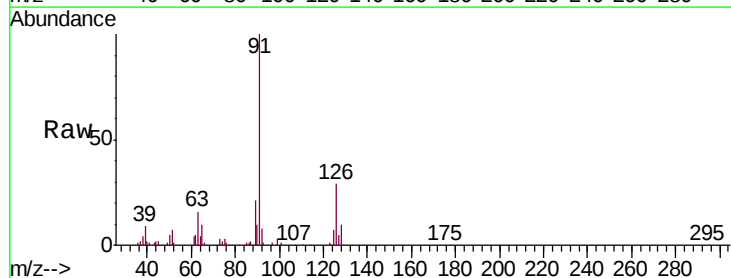
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

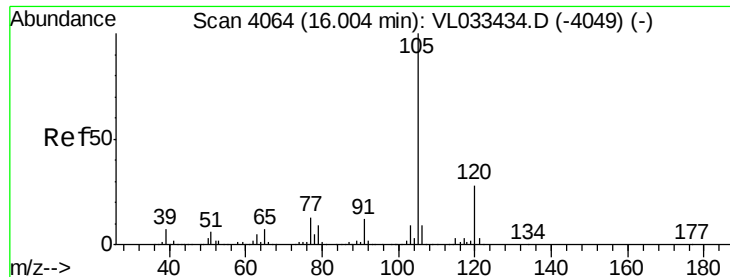
Tgt Ion: 91 Resp: 283385
Ion Ratio Lower Upper
91 100
92 52.0 42.6 64.0
134 21.2 17.5 26.3



#71
2-Chlorotoluene
Concen: 0.837 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.01 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

Tgt Ion: 91 Resp: 214202
Ion Ratio Lower Upper
91 100
126 29.3 11.7 46.9





#72

4-Ethyltoluene

Concen: 0.838 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Tgt Ion:105 Resp: 223928

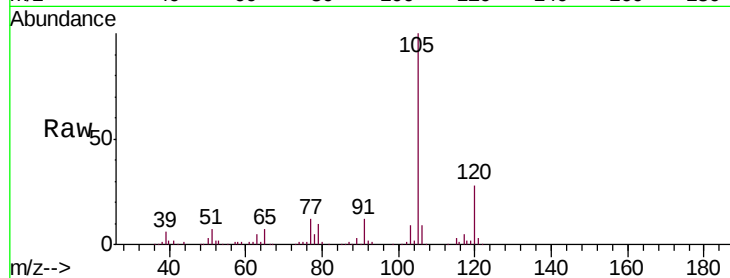
Ion Ratio Lower Upper

105 100

120 29.0 23.2 34.8

91 14.0 10.4 15.6

77 14.2 11.3 16.9

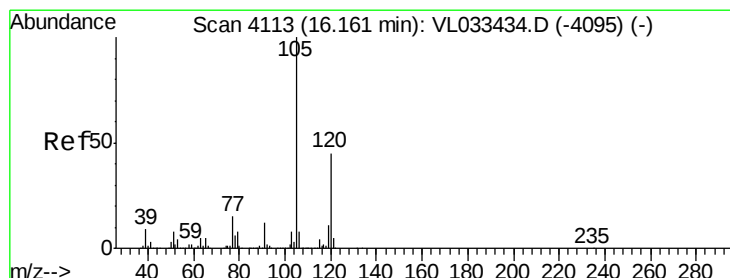
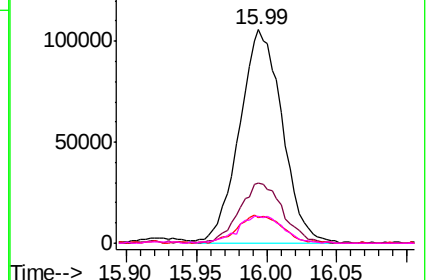
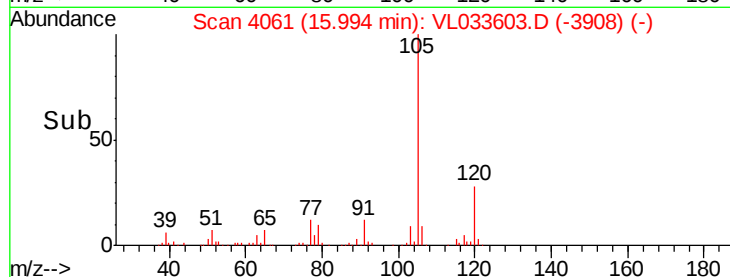


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.816 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033603.D

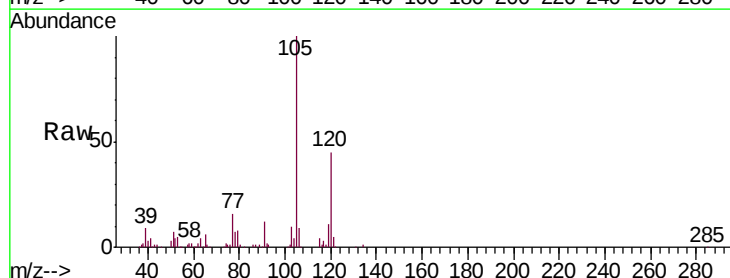
Acq: 17 Apr 2019 15:37

Tgt Ion:105 Resp: 208553

Ion Ratio Lower Upper

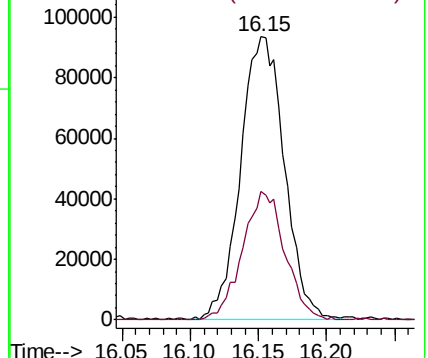
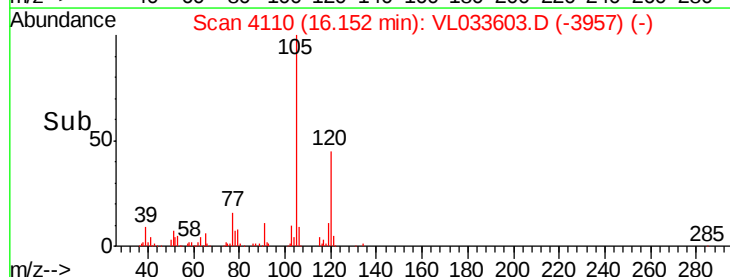
105 100

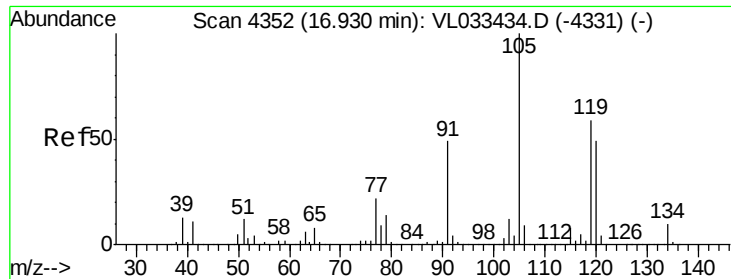
120 45.3 35.7 53.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

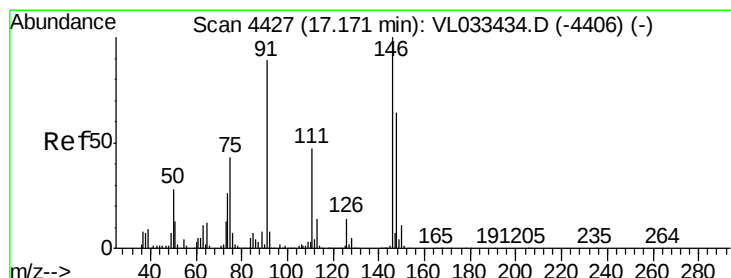
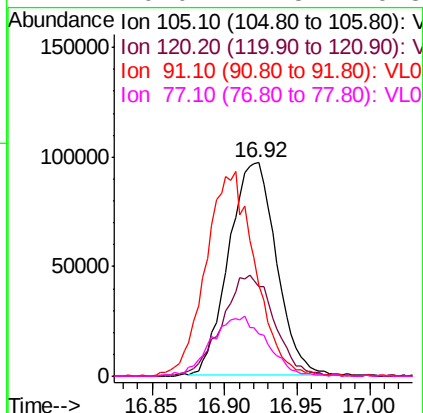
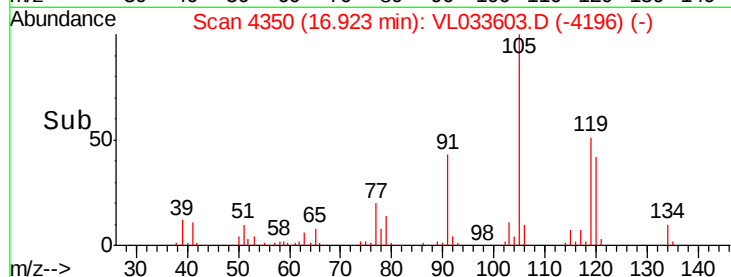
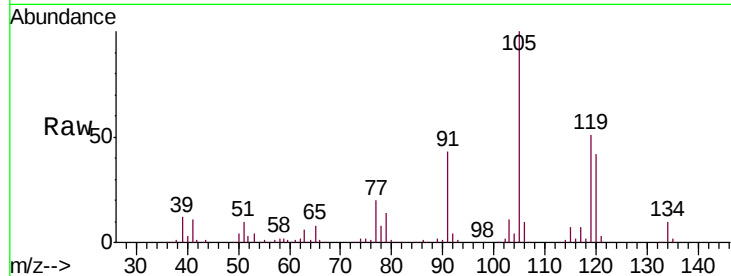




#74
 1,2,4-Trimethylbenzene
 Concen: 0.808 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

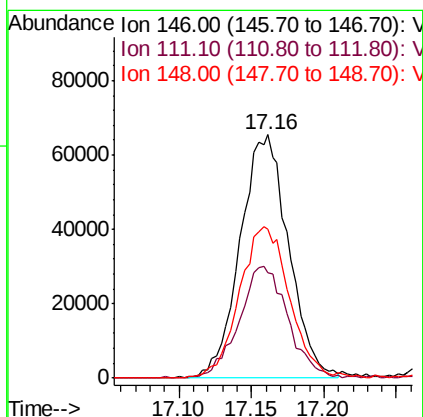
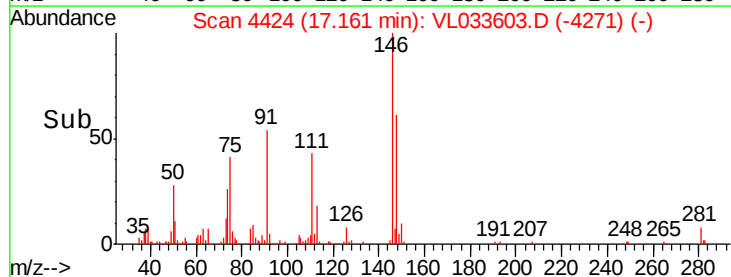
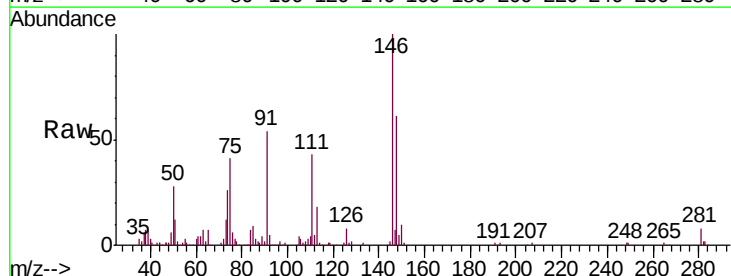
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

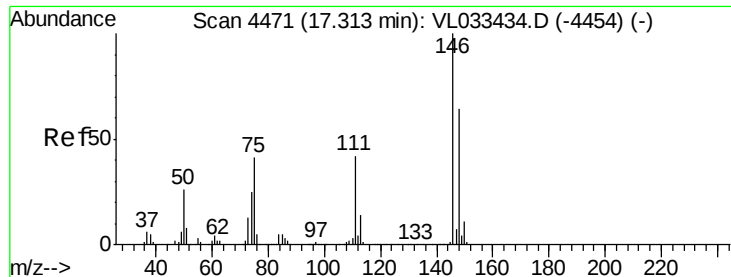
Tgt Ion:	105	Resp:	221341
Ion	Ratio	Lower	Upper
105	100		
120	41.6	39.0	58.6
91	41.8	40.0	60.0
77	19.0	17.5	26.3



#75
 1,3-Dichlorobenzene
 Concen: 0.896 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion:	146	Resp:	151760
Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.9	68.8
148	64.8	32.0	96.2

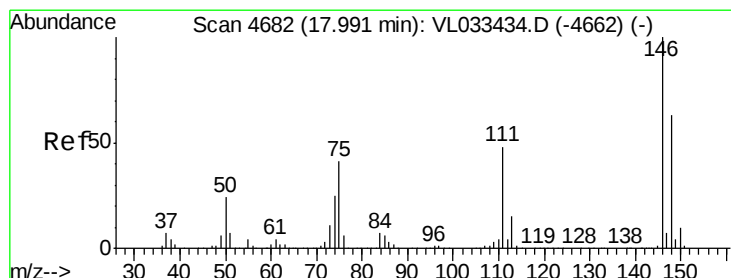
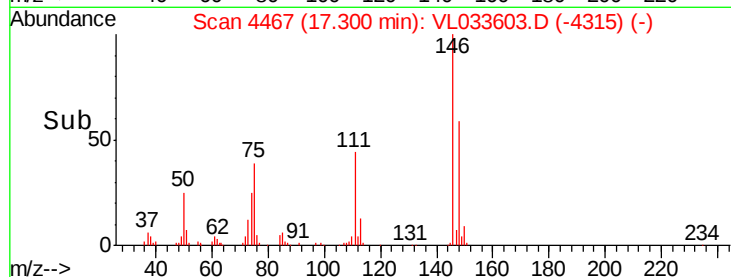
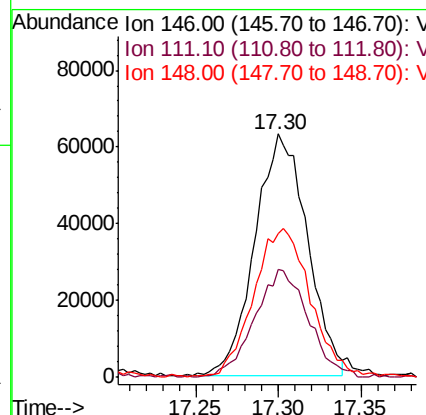
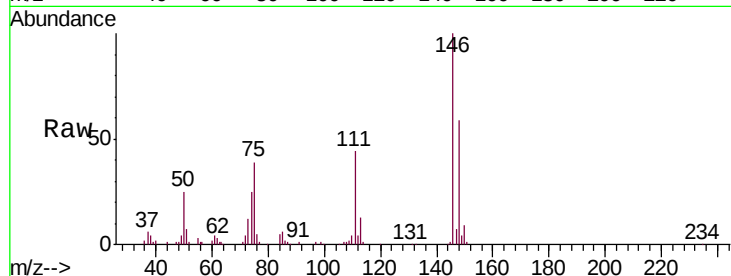




#76
 1,4-Dichlorobenzene
 Concen: 0.842 ppbv
 RT: 17.30 min Scan# 4467
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

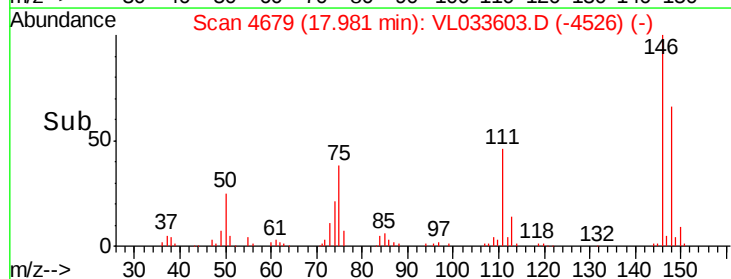
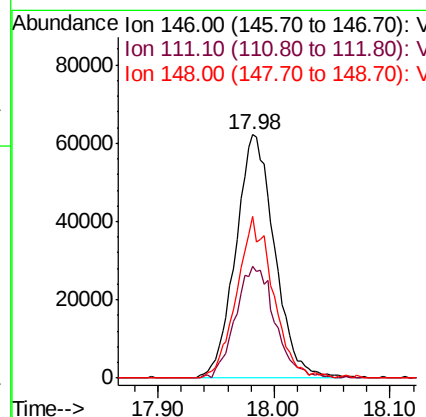
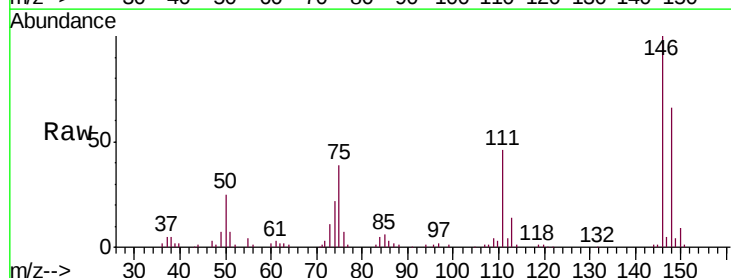
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

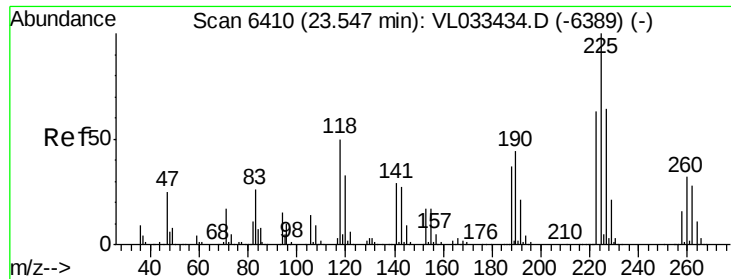
Tgt Ion:146 Resp: 138968
 Ion Ratio Lower Upper
 146 100
 111 46.1 21.7 65.1
 148 67.8 32.0 96.2



#77
 1,2-Dichlorobenzene
 Concen: 0.898 ppbv
 RT: 17.98 min Scan# 4679
 Delta R.T. -0.01 min
 Lab File: VL033603.D
 Acq: 17 Apr 2019 15:37

Tgt Ion:146 Resp: 144305
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.5 70.5
 148 62.3 32.0 96.0





#78

Hexachloro-1,3-Butadiene

Concen: 0.588 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

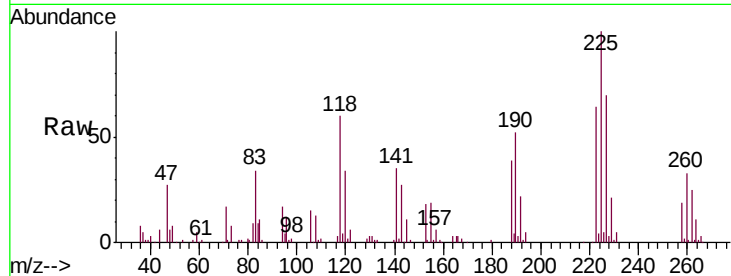
Tgt Ion:225 Resp: 62535

Ion Ratio Lower Upper

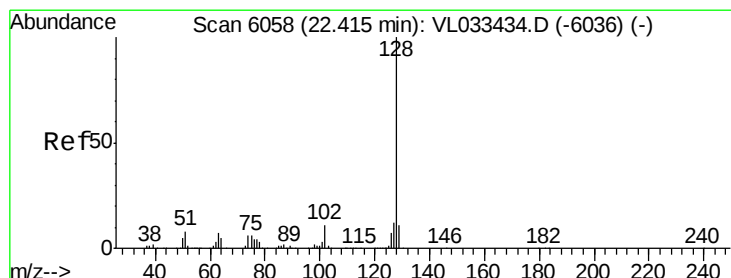
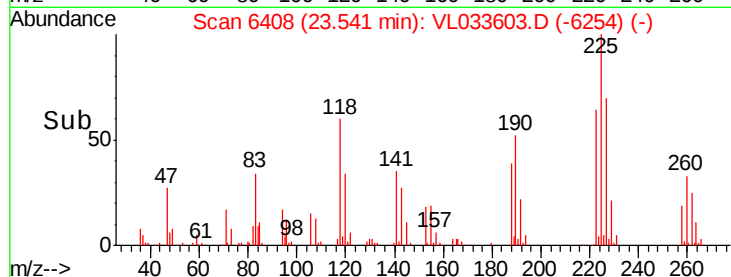
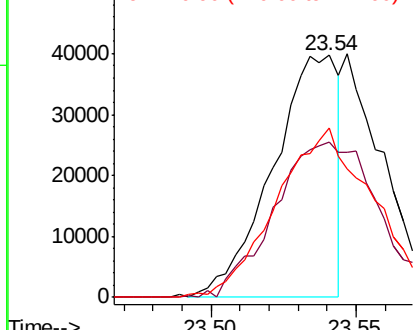
225 100

223 102.6 50.0 75.0#

227 103.9 51.1 76.7#



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.416 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. -0.01 min

Lab File: VL033603.D

Acq: 17 Apr 2019 15:37

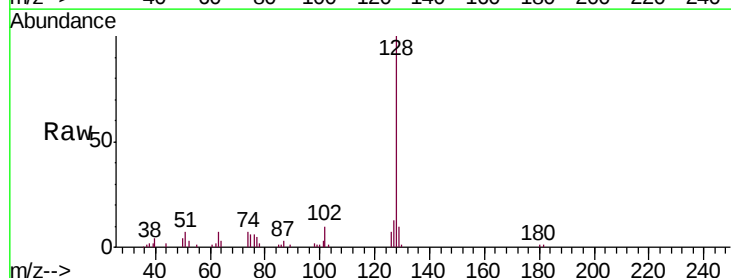
Tgt Ion:128 Resp: 97556

Ion Ratio Lower Upper

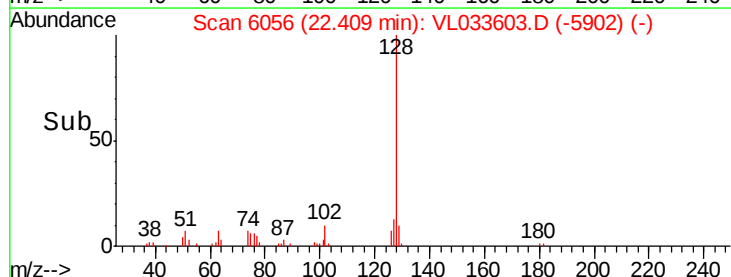
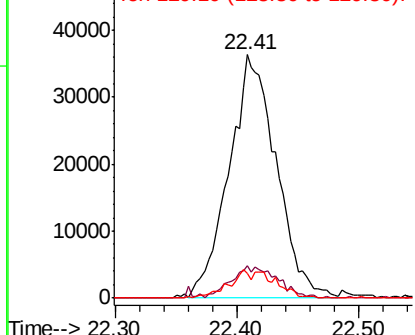
128 100

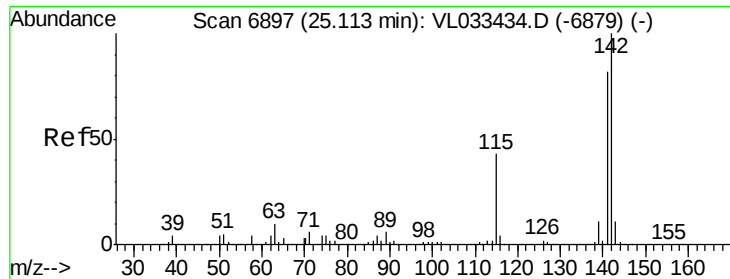
127 12.4 9.8 14.8

129 10.3 8.6 12.8



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

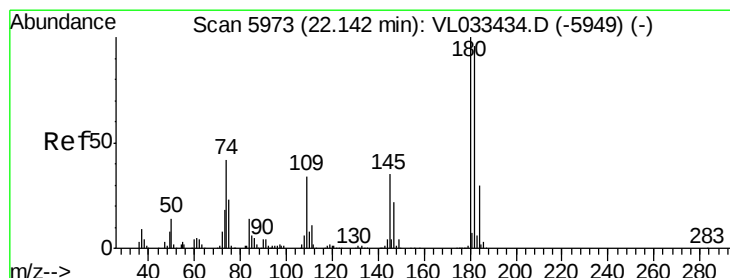
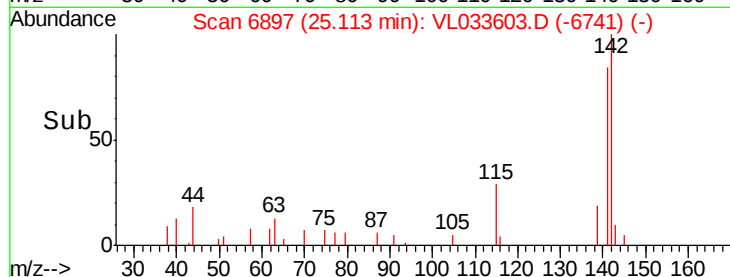
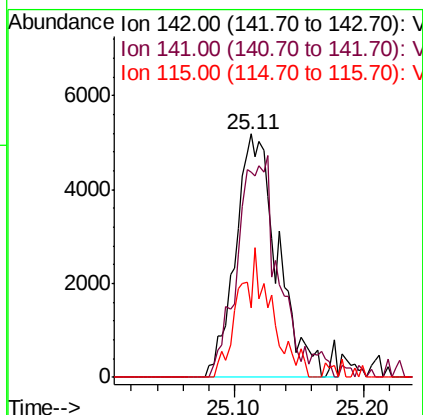
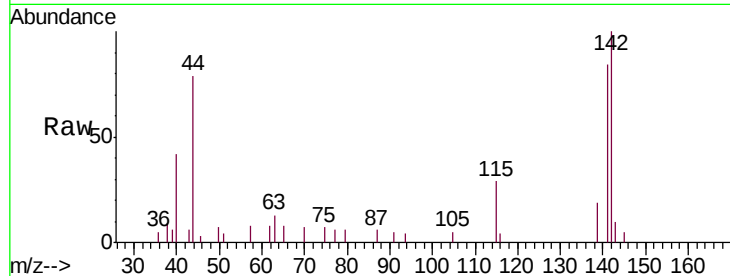




#80
Naphthalene, 2-methyl-
Concen: 0.151 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

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

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	66.6	99.8
115	42.6	34.4	51.6



#81
1,2,4-Trichlorobenzene
Concen: 0.237 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. -0.02 min
Lab File: VL033603.D
Acq: 17 Apr 2019 15:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.0	115.4#
184	0.0	24.6	36.8#

