

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033596.D
 Acq On : 16 Apr 2019 17:29
 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 17 08:30:44 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	830703	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2117120	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2044052	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1640324	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	123291	1.018 ppbv	89
3) Chlorodifluoromethane	3.02	51	91974	0.962 ppbv	100
4) Chloromethane	3.17	50	48506	0.958 ppbv	98
5) Vinyl Chloride	3.29	62	46845	0.942 ppbv	95
6) Bromomethane	3.52	94	30648	0.959 ppbv	100
7) Chloroethane	3.60	64	17069	0.922 ppbv	91
8) Dichlorotetrafluoroethane	3.22	85	129466	1.003 ppbv	97
9) Propene	3.04	41	31244	0.778 ppbv	99
10) Heptane	8.25	43	86995	0.810 ppbv	97
11) Trichlorofluoromethane	4.00	101	153276	1.027 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	109407	1.091 ppbv	99
13) Ethanol	3.66	45	15234m	1.466 ppbv	
14) Bromoethene	3.79	108	36315	0.908 ppbv	96
15) Acetone	3.90	43	112388	1.125 ppbv	99
16) 1,3-Butadiene	3.37	39	38390	0.969 ppbv	97
17) tert-Butyl alcohol	4.37	59	18764m	1.022 ppbv	
18) 1,1-Dichloroethene	4.35	96	40258	0.935 ppbv	95
19) Isopropyl Alcohol	4.03	45	62235m	0.985 ppbv	
20) Methylene Chloride	4.41	84	48379	1.141 ppbv	93
21) Allyl Chloride	4.48	41	58793	0.931 ppbv	96
22) trans-1,2-Dichloroethene	4.96	96	43921	0.977 ppbv	91
23) Vinyl Acetate	5.16	43	119603	0.841 ppbv	# 95
24) 1,1-Dichloroethane	5.09	63	98188	0.909 ppbv	98
25) Ethyl Acetate	5.77	43	164195	0.886 ppbv	99
26) Hexane	5.78	57	73066	0.887 ppbv	95
27) Carbon Disulfide	4.62	76	97001	0.990 ppbv	95
28) Methyl tert-Butyl Ether	5.12	73	89432	0.754 ppbv	99
29) Chloroform	5.85	83	135675	0.961 ppbv	99
30) Cyclohexane	7.25	84	53538	0.821 ppbv	85
31) cis-1,2-Dichloroethene	5.64	61	61983	0.757 ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	125117	0.930 ppbv	98
34) 2-Butanone	5.34	43	97053	0.763 ppbv	97
35) Carbon Tetrachloride	7.14	117	136191	0.908 ppbv	95
36) Benzene	7.00	78	130719	0.736 ppbv	97
37) 1,2-Dichloroethane	6.41	62	98855	0.830 ppbv	98
38) Trichloroethene	7.96	130	56228m	0.841 ppbv	
39) 1,2-Dichloropropane	7.73	63	54577m	0.784 ppbv	
40) 1,4-Dioxane	7.98	88	19188	0.773 ppbv	82
41) Tetrahydrofuran	6.16	42	46277	0.661 ppbv	96
42) Bromodichloromethane	7.91	83	134559	0.830 ppbv	95
43) Methyl Methacrylate	8.14	69	47230	0.655 ppbv	91

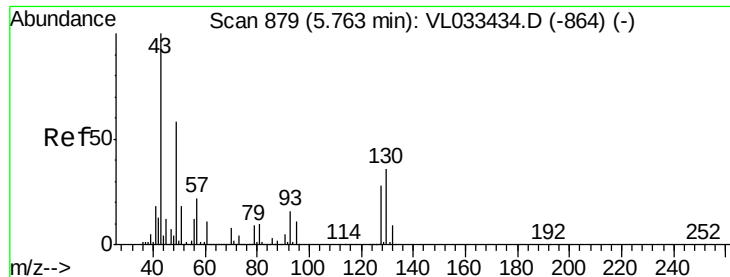
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
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Quant Time: Apr 17 08:30:44 2019
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 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	251380	0.810	ppbv	96
45) t-1,3-Dichloropropene	9.42	75	53451m	0.604	ppbv	
46) cis-1,3-Dichloropropene	8.84	75	65928	0.637	ppbv	90
47) 1,1,2-Trichloroethane	9.61	97	65933	0.834	ppbv	91
48) Dibromochloromethane	10.45	129	106867	0.802	ppbv	97
49) Bromoform	13.20	173	91920	0.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	143265	0.769	ppbv	98
51) 2-Hexanone	10.29	43	93332	0.672	ppbv #	94
52) Tetrachloroethene	11.37	164	50878	0.759	ppbv	90
53) Toluene	9.95	91	137915	0.668	ppbv	97
54) 1,2-Dibromoethane	10.76	107	93723	0.758	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.28	131	86856	0.927	ppbv #	1
57) Chlorobenzene	12.30	112	149016	0.939	ppbv	92
58) Ethyl Benzene	12.86	91	203867	0.747	ppbv	100
59) m/p-Xylene	13.14	91	394844m	1.619	ppbv	
60) o-Xylene	13.85	91	198289	0.841	ppbv	99
61) Styrene	13.69	104	111960	0.692	ppbv	99
62) Isopropylbenzene	14.82	105	277374	0.831	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.83	83	161517	0.930	ppbv	98
64) n-propylbenzene	15.72	120	69005	0.815	ppbv	87
65) tert-Butylbenzene	16.90	119	248250m	0.844	ppbv	
66) Benzyl Chloride	17.15	91	97467	0.712	ppbv	98
67) sec-Butylbenzene	17.45	105	358024	0.856	ppbv	98
69) p-Isopropyltoluene	17.81	119	270716	0.795	ppbv	98
70) n-Butylbenzene	18.71	91	281274	0.779	ppbv	95
71) 2-Chlorotoluene	15.62	91	187980	0.740	ppbv	96
72) 4-Ethyltoluene	16.00	105	205025	0.774	ppbv	96
73) 1,3,5-Trimethylbenzene	16.15	105	196598	0.775	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	220755	0.812	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	152657	0.909	ppbv	98
76) 1,4-Dichlorobenzene	17.31	146	134542	0.822	ppbv	97
77) 1,2-Dichlorobenzene	17.98	146	143523m	0.900	ppbv	
78) Hexachloro-1,3-Butadiene	23.54	225	100278	0.950	ppbv	98
79) Naphthalene	22.42	128	76508m	0.329	ppbv	
80) Naphthalene, 2-methyl-	25.11	142	4076	0.052	ppbv	93
81) 1,2,4-Trichlorobenzene	22.13	180	64468	0.499	ppbv	99

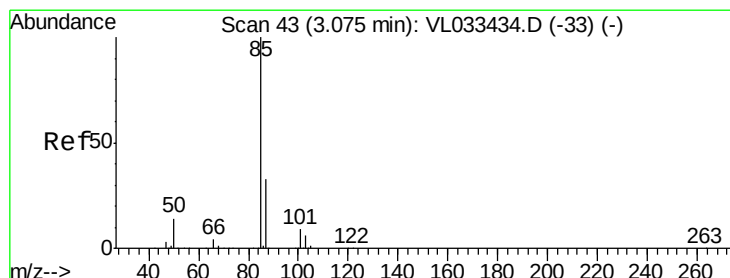
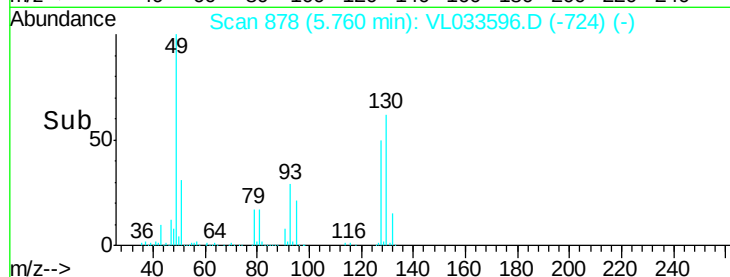
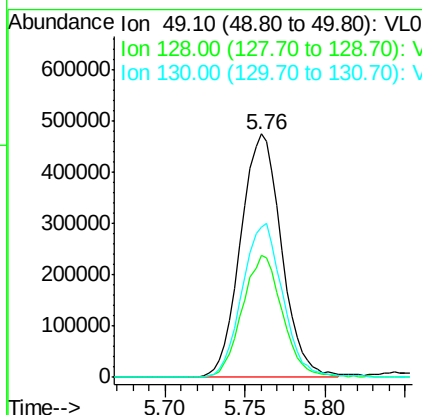
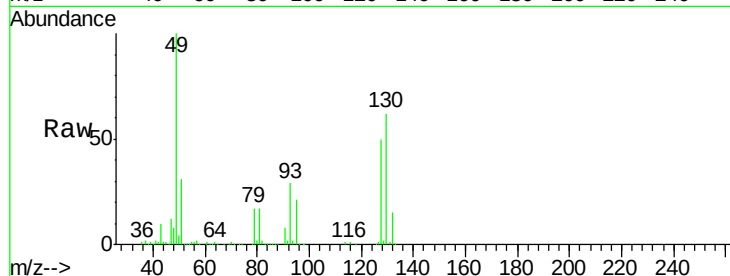
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

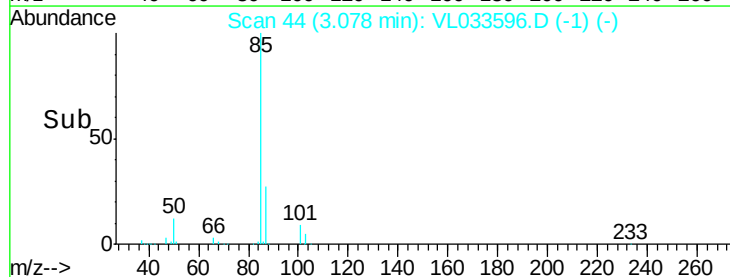
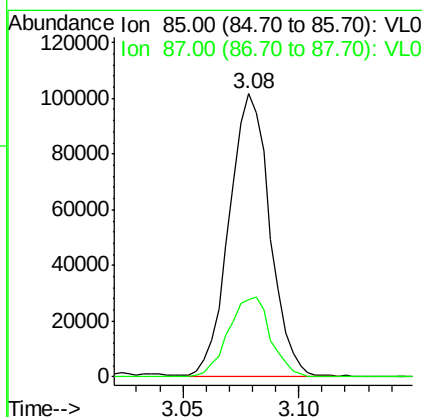
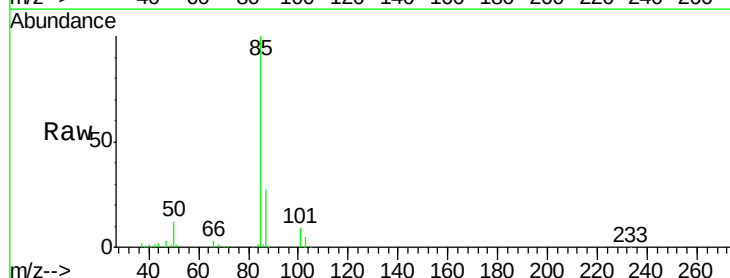
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

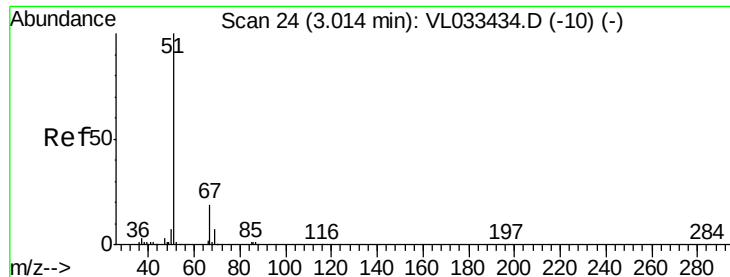
Tot Ion: 49 Resp: 830703
 Ion Ratio Lower Upper
 49 100
 128 49.3 24.0 72.0
 130 63.0 31.2 93.6



#2
 Dichlorodifluoromethane
 Concen: 1.018 ppbv
 RT: 3.08 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion: 85 Resp: 123291
 Ion Ratio Lower Upper
 85 100
 87 27.2 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.962 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

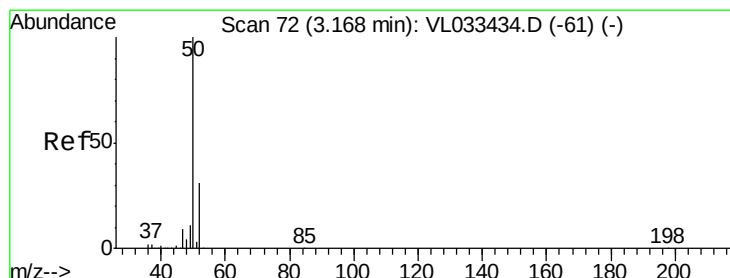
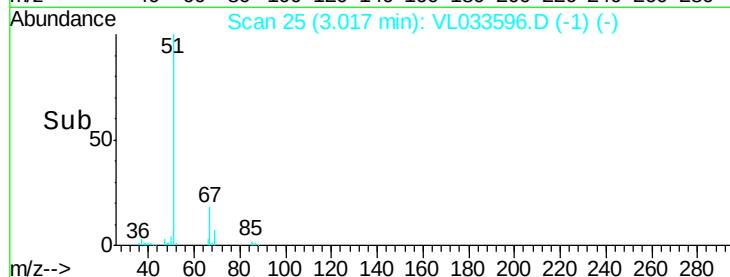
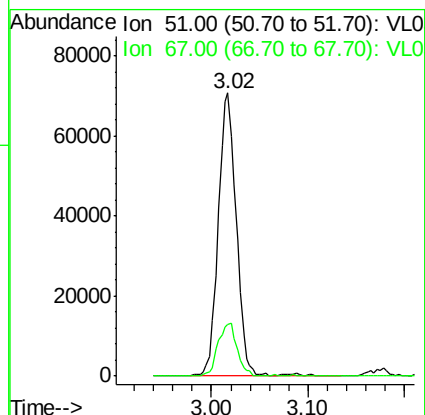
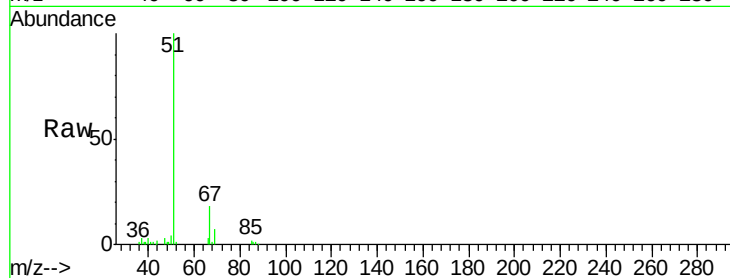
LOQ-AIR-02-QT2-2019

Tot Ion: 51 Resp: 91974

Ion Ratio Lower Upper

51 100

67 19.8 15.7 23.5



#4

Chloromethane

Concen: 0.958 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL033596.D

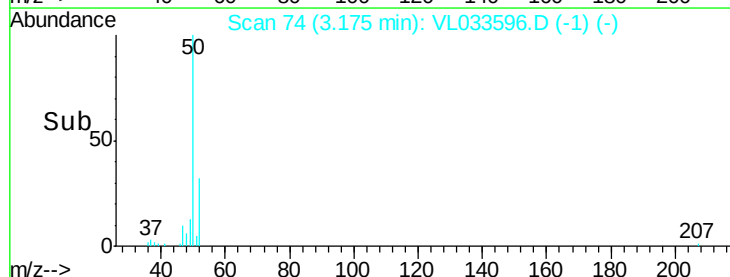
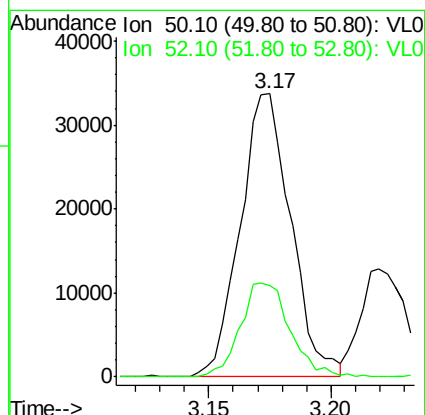
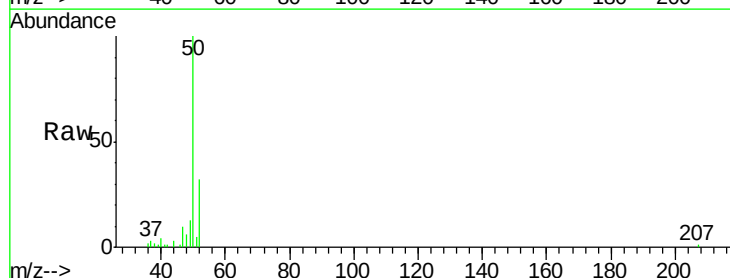
Acq: 16 Apr 2019 17:29

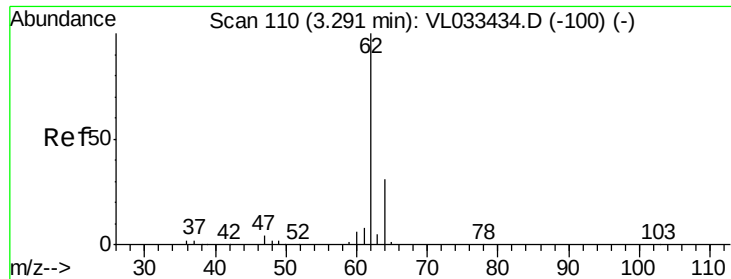
Tgt Ion: 50 Resp: 48506

Ion Ratio Lower Upper

50 100

52 32.2 25.0 37.6





#5

Vinyl Chloride

Concen: 0.942 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

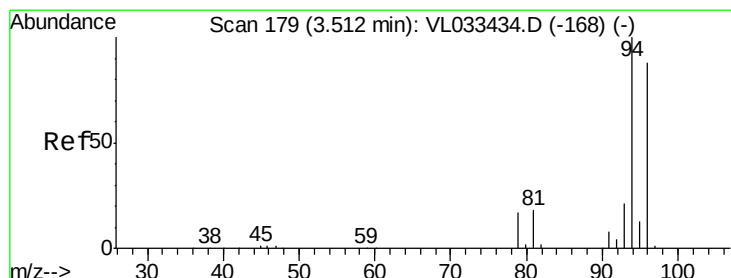
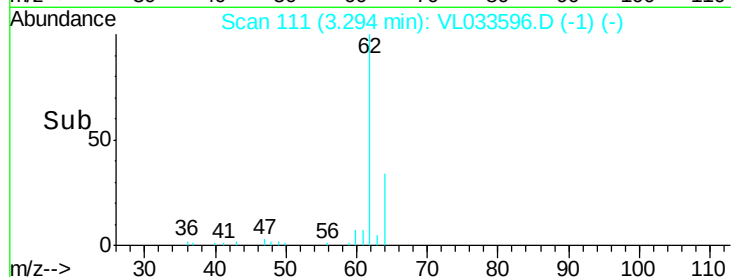
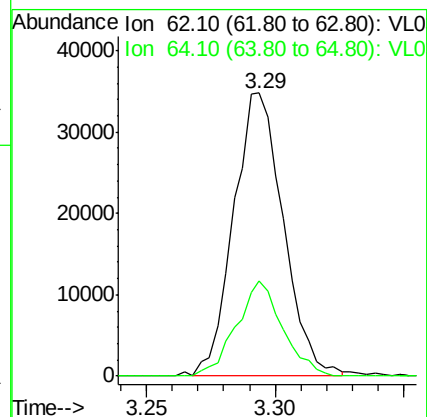
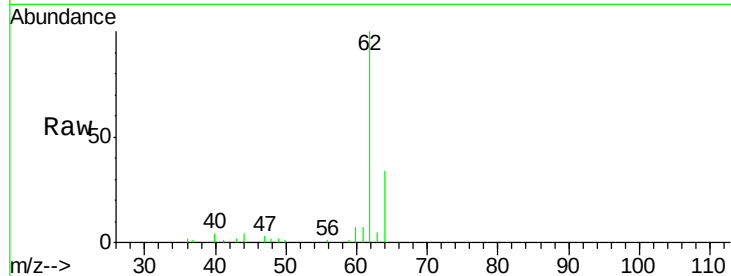
LOQ-AIR-02-QT2-2019

Tot Ion: 62 Resp: 46845

Ion Ratio Lower Upper

62 100

64 33.6 24.9 37.3



#6

Bromomethane

Concen: 0.959 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033596.D

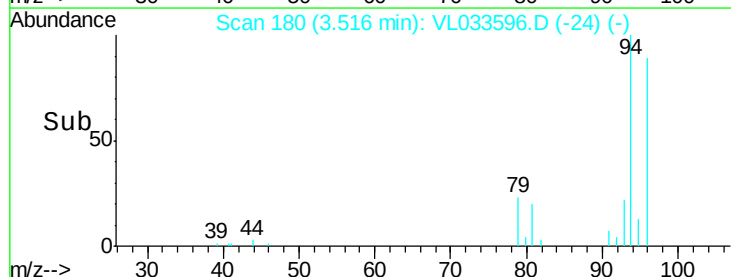
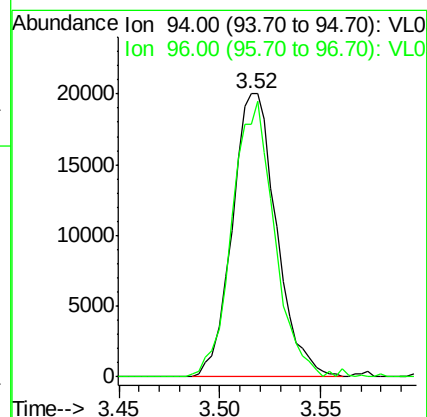
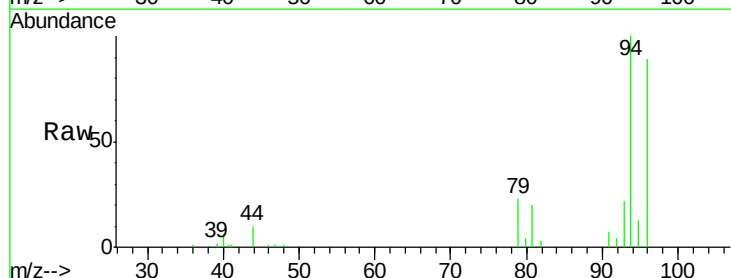
Acq: 16 Apr 2019 17:29

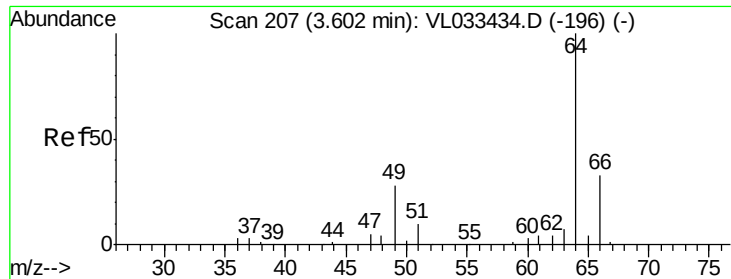
Tgt Ion: 94 Resp: 30648

Ion Ratio Lower Upper

94 100

96 88.0 70.2 105.2





#7

Chloroethane

Concen: 0.922 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

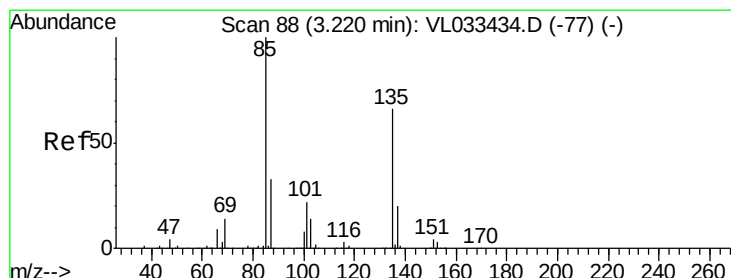
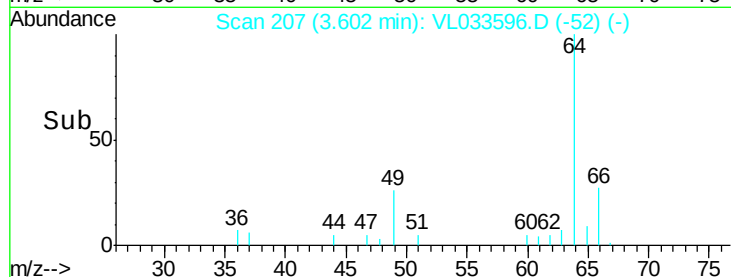
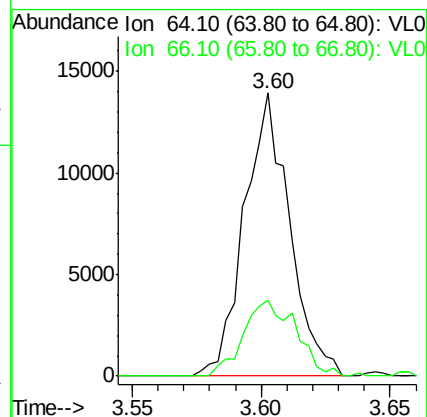
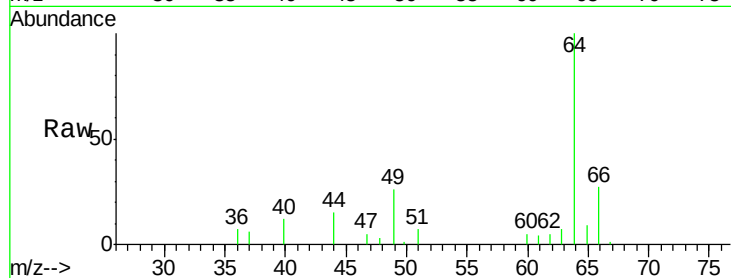
LOQ-AIR-02-QT2-2019

Tot Ion: 64 Resp: 17069

Ion Ratio Lower Upper

64 100

66 28.2 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 1.003 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033596.D

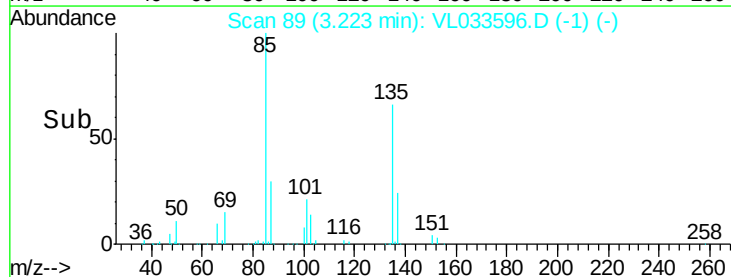
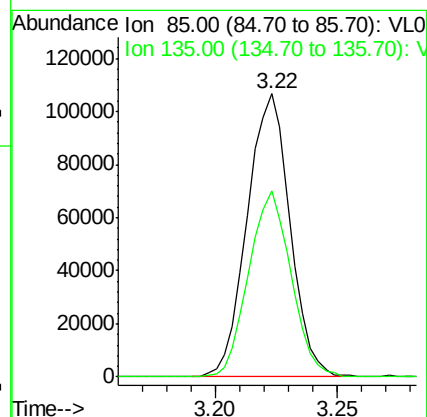
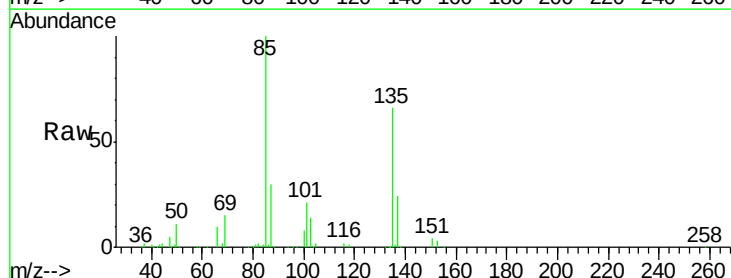
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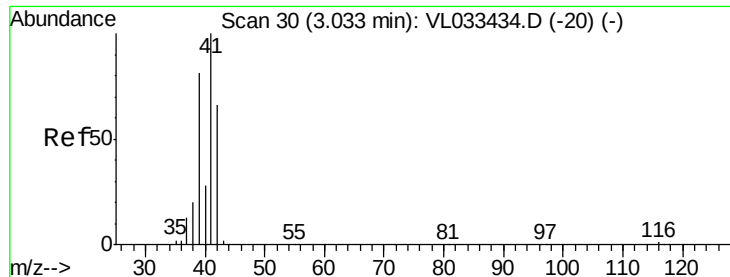
Tgt Ion: 85 Resp: 129466

Ion Ratio Lower Upper

85 100

135 65.1 54.0 81.0





#9

Propene

Concen: 0.778 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

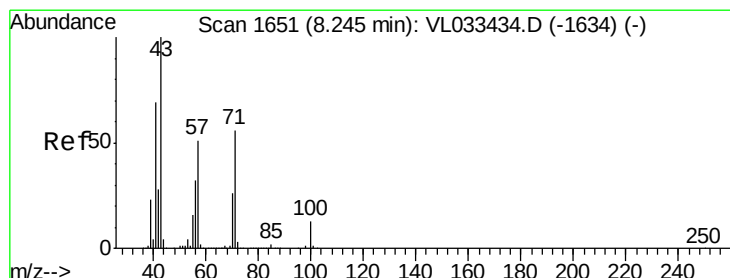
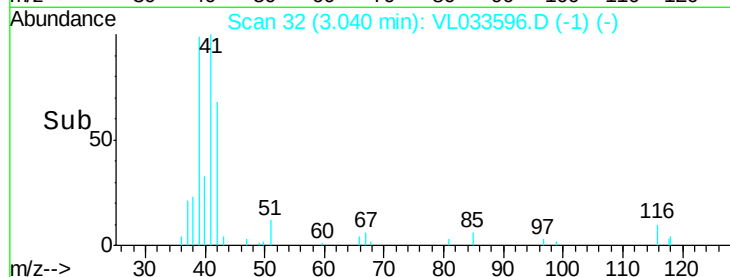
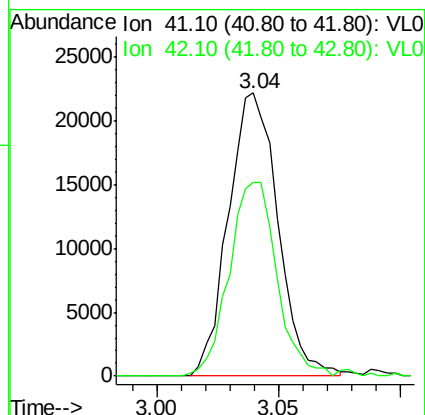
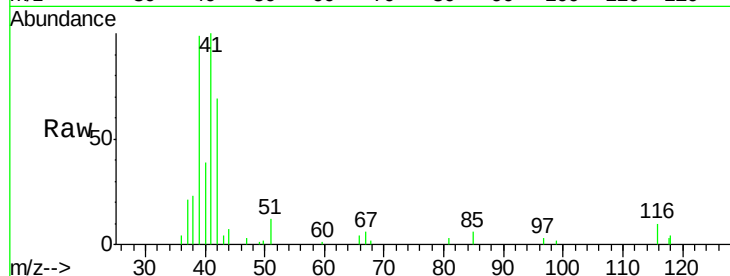
LOQ-AIR-02-QT2-2019

Tot Ion: 41 Resp: 31244

Ion Ratio Lower Upper

41 100

42 66.9 53.9 80.9



#10

Heptane

Concen: 0.810 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033596.D

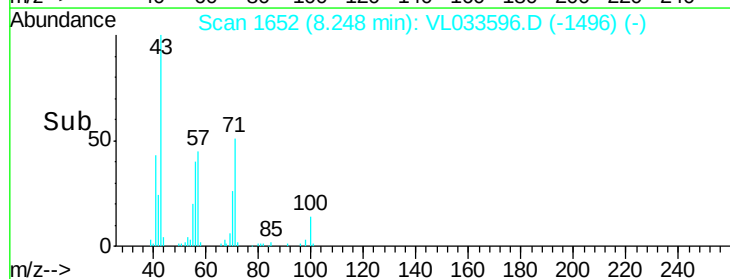
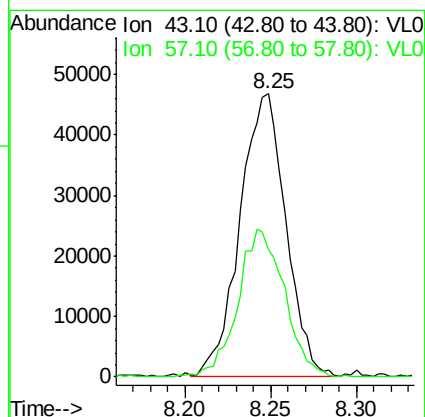
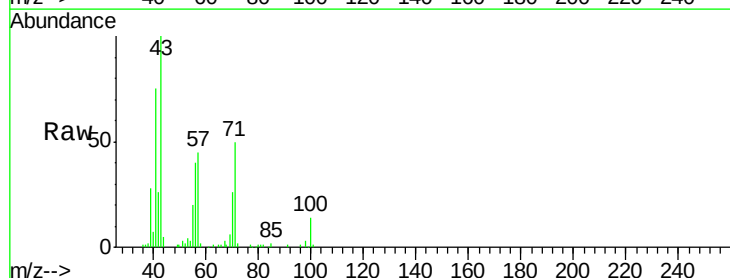
Acq: 16 Apr 2019 17:29

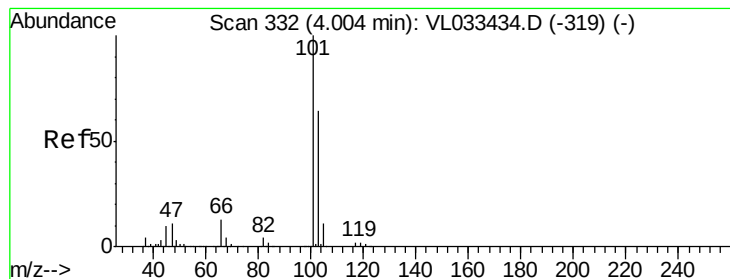
Tgt Ion: 43 Resp: 86995

Ion Ratio Lower Upper

43 100

57 52.4 40.6 60.8





#11

Trichlorofluoromethane

Concen: 1.027 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

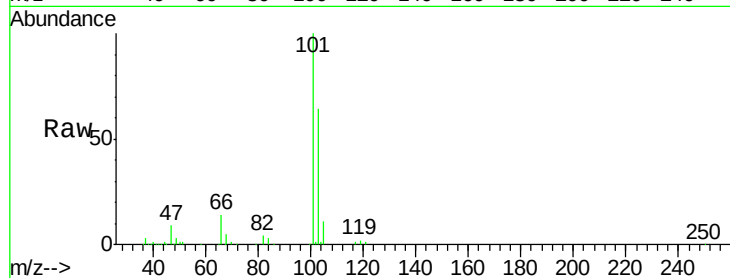
LOQ-AIR-02-QT2-2019

Tot Ion:101 Resp: 153276

Ion Ratio Lower Upper

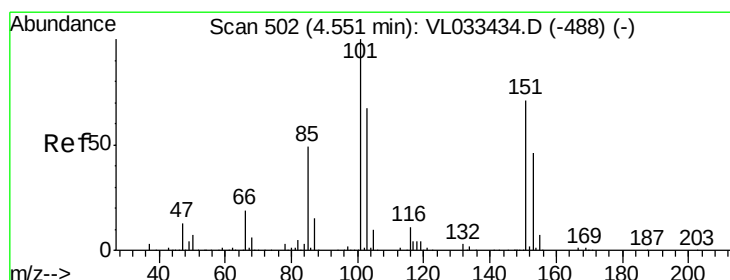
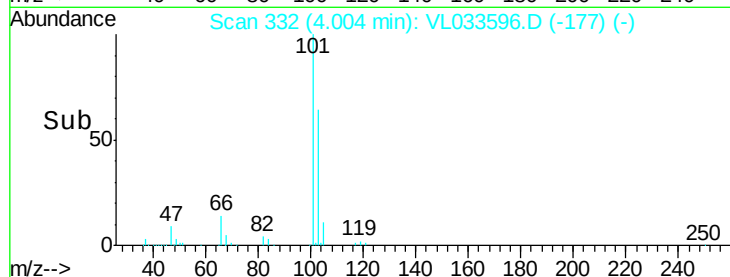
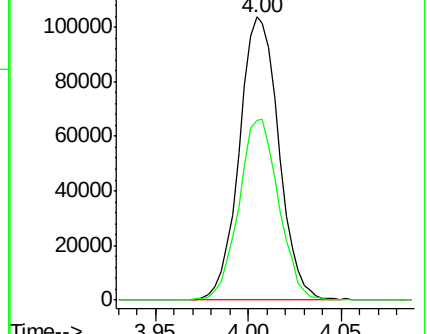
101 100

103 63.7 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.091 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033596.D

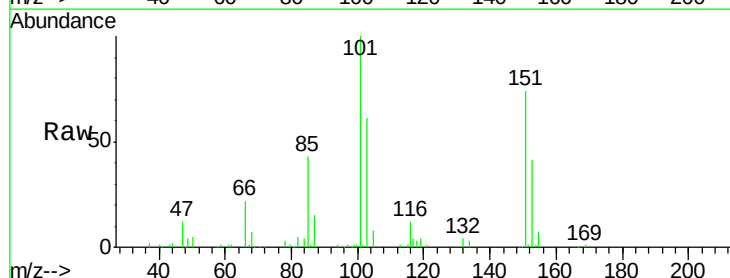
Acq: 16 Apr 2019 17:29

Tgt Ion:101 Resp: 109407

Ion Ratio Lower Upper

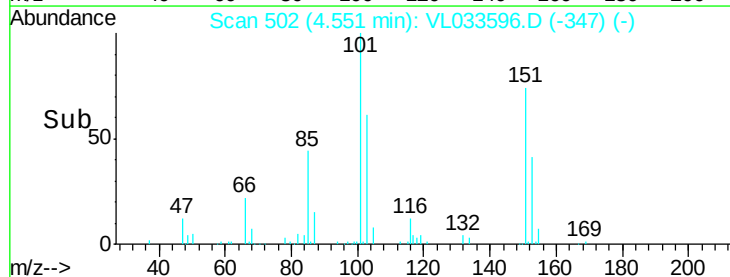
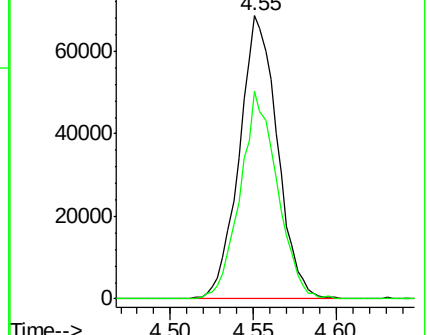
101 100

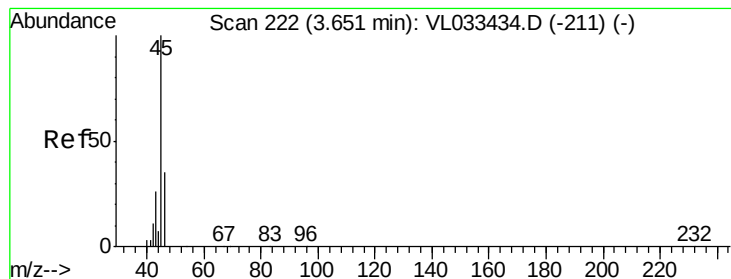
151 71.3 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 1.466 ppbv m

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

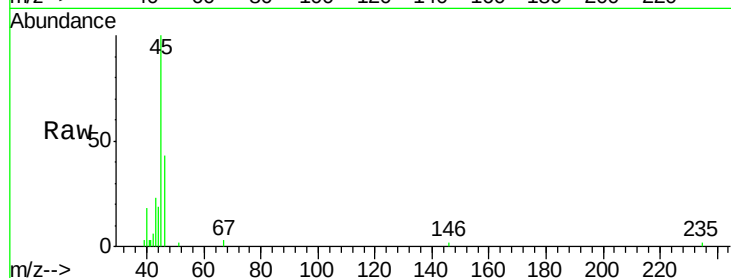
LOQ-AIR-02-QT2-2019

Tot Ion: 45 Resp: 15234

Ion Ratio Lower Upper

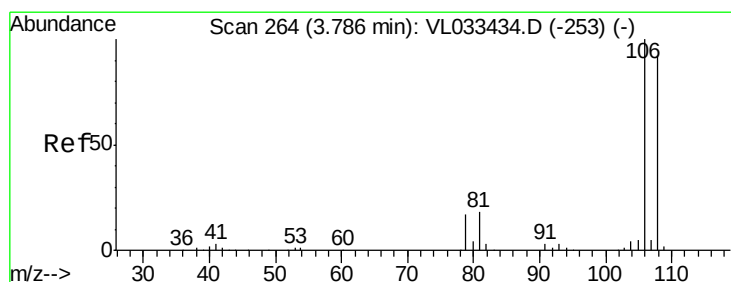
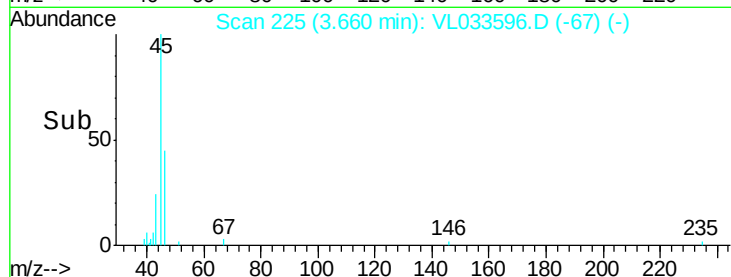
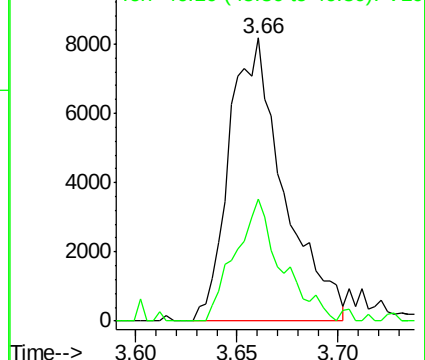
45 100

46 37.4 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.908 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

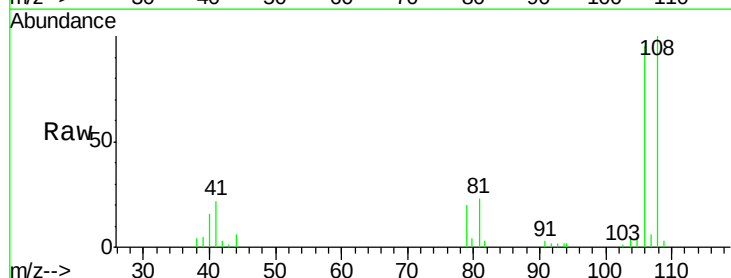
Tgt Ion: 108 Resp: 36315

Ion Ratio Lower Upper

108 100

106 104.1 86.4 129.6

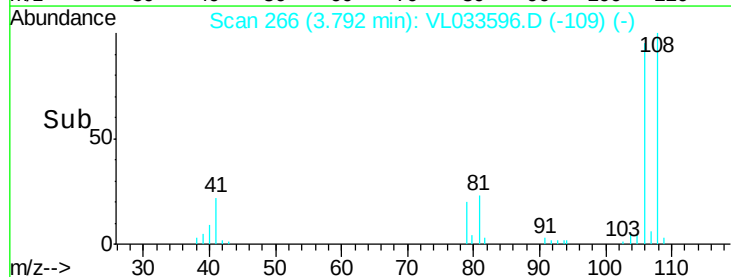
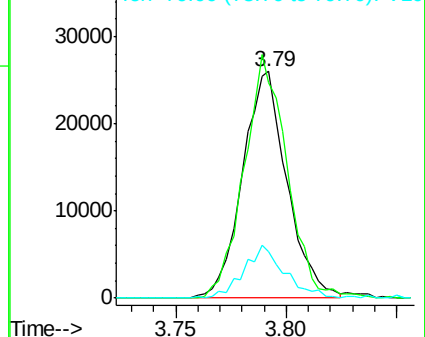
79 21.5 15.8 23.8

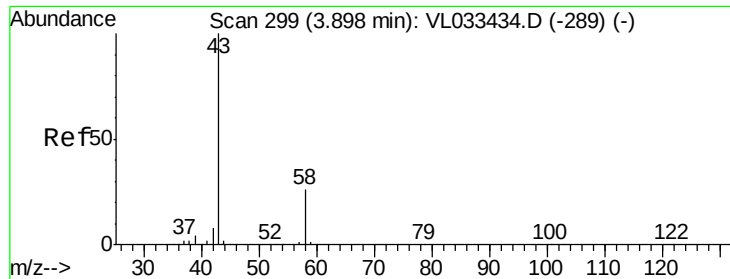


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

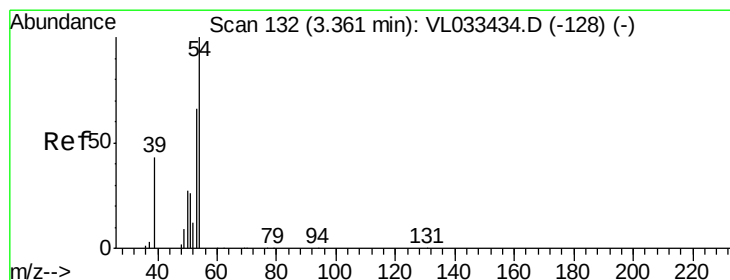
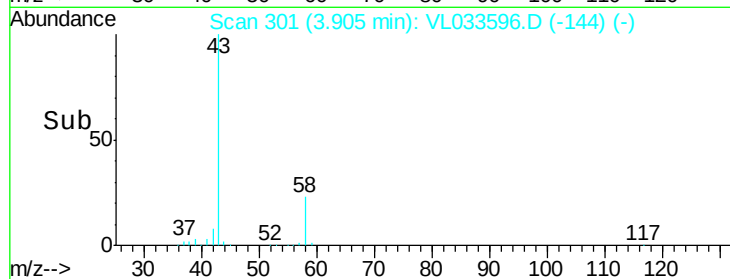
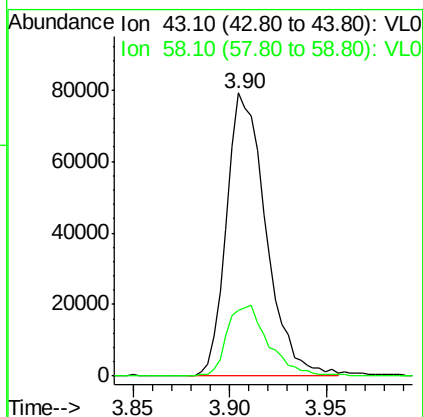
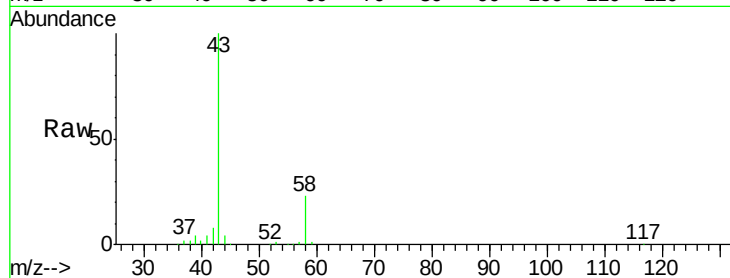




#15
Acetone
Concen: 1.125 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

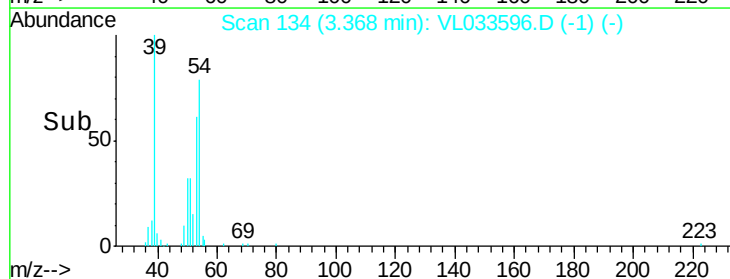
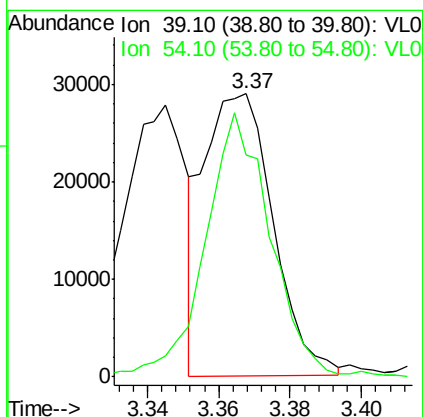
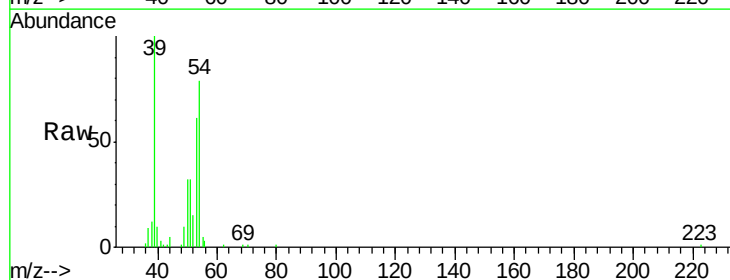
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

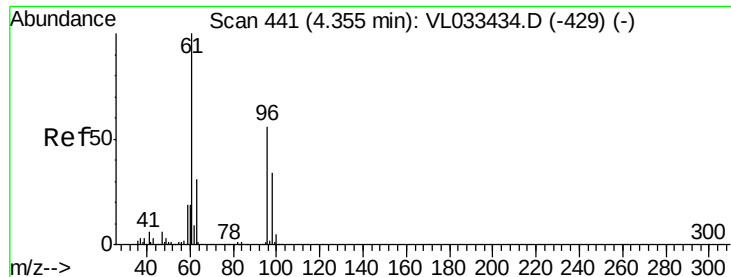
Tot Ion: 43 Resp: 112388
Ion Ratio Lower Upper
43 100
58 26.3 20.5 30.7



#16
1,3-Butadiene
Concen: 0.969 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.01 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

Tgt Ion: 39 Resp: 38390
Ion Ratio Lower Upper
39 100
54 89.9 69.4 104.2





#17

tert-Butyl alcohol

Concen: 1.022 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

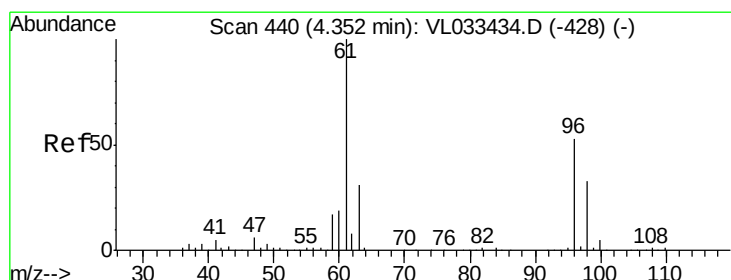
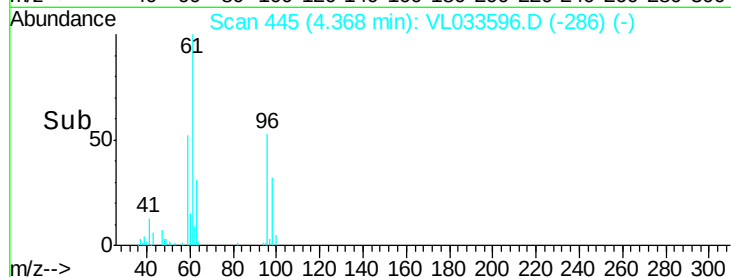
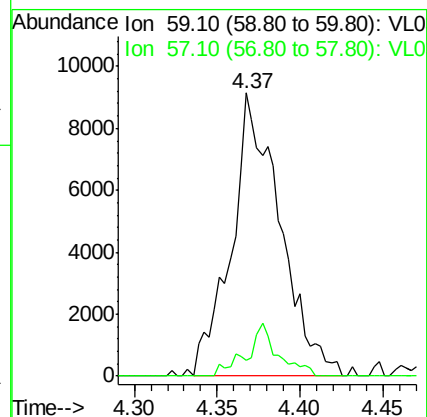
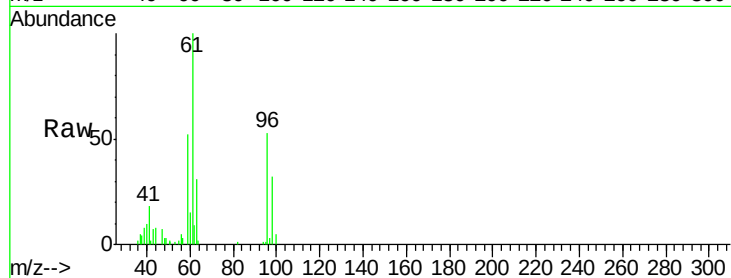
LOQ-AIR-02-QT2-2019

Tot Ion: 59 Resp: 18764

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#18

1,1-Dichloroethene

Concen: 0.935 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

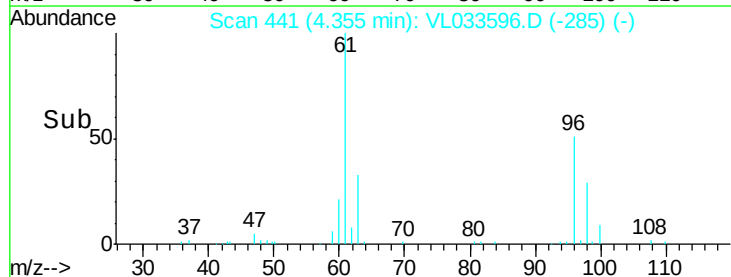
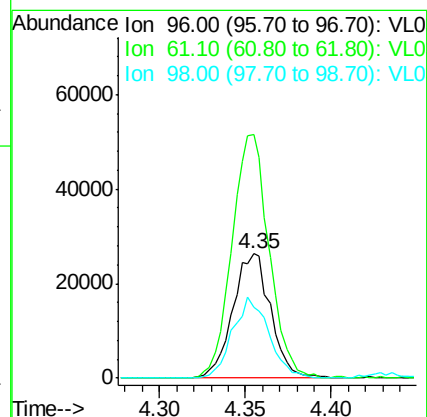
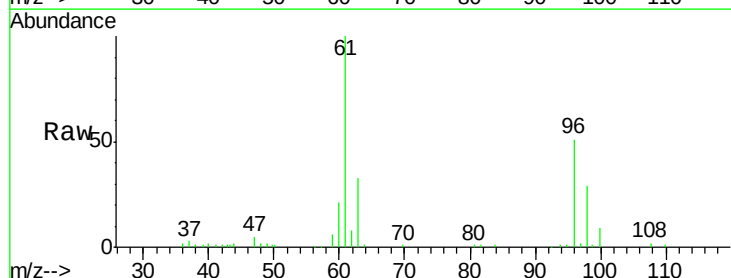
Tgt Ion: 96 Resp: 40258

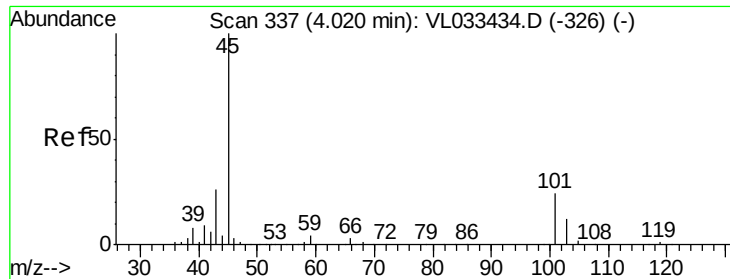
Ion Ratio Lower Upper

96 100

61 195.6 149.8 224.6

98 60.0 48.7 73.1





#19

Isopropyl Alcohol

Concen: 0.985 ppbv m

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

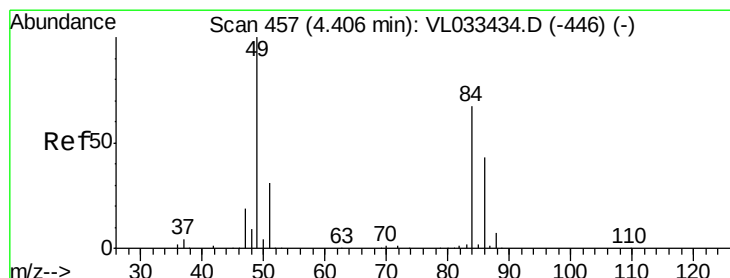
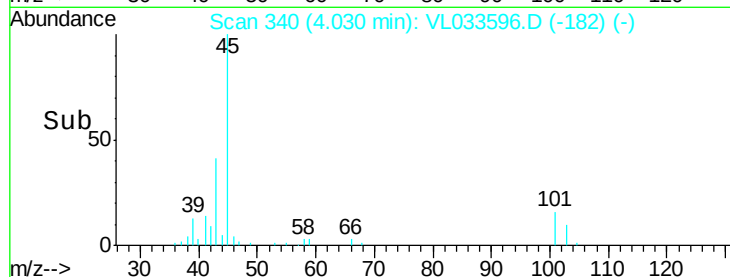
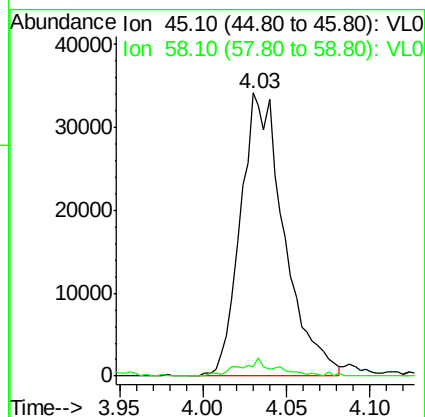
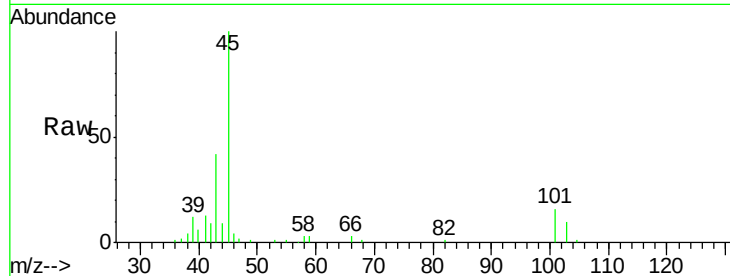
LOQ-AIR-02-QT2-2019

Tot Ion: 45 Resp: 62235

Ion Ratio Lower Upper

45 100

58 5.4 1.4 2.2#



#20

Methylene Chloride

Concen: 1.141 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Tgt Ion: 84 Resp: 48379

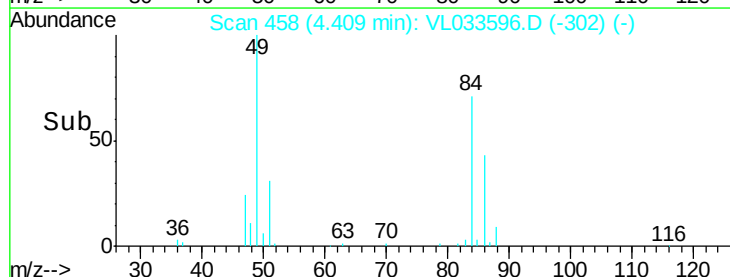
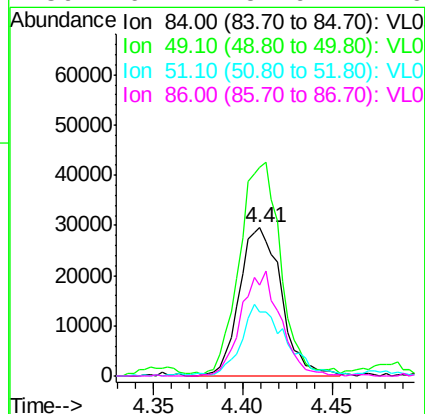
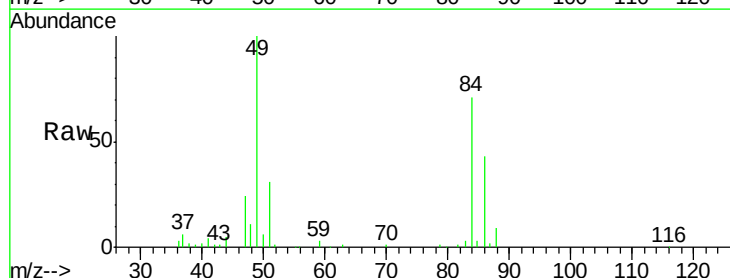
Ion Ratio Lower Upper

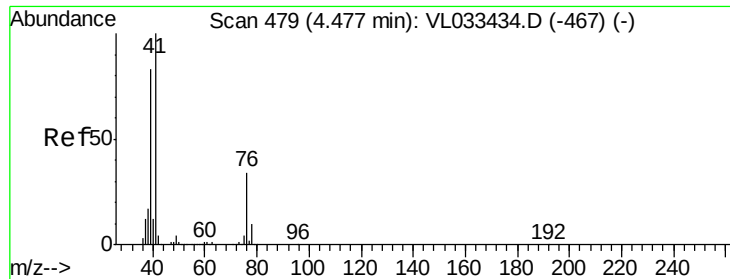
84 100

49 138.5 120.0 180.0

51 43.1 36.7 55.1

86 61.1 51.9 77.9

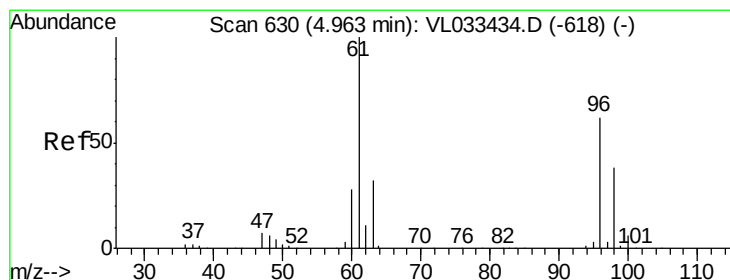
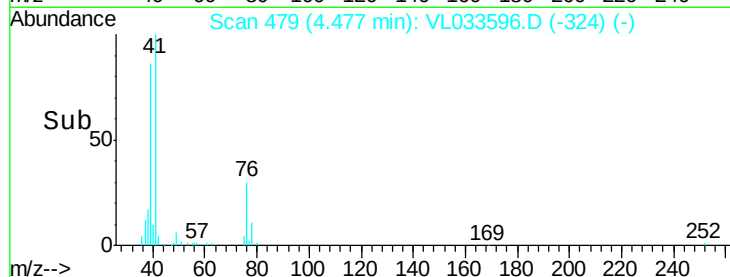
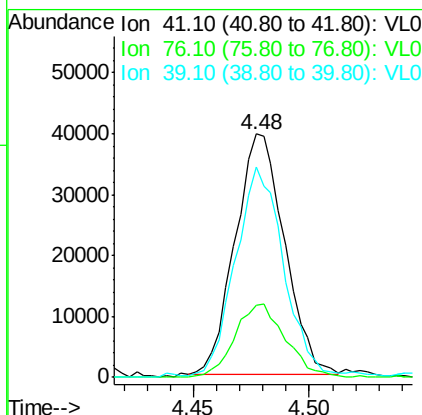
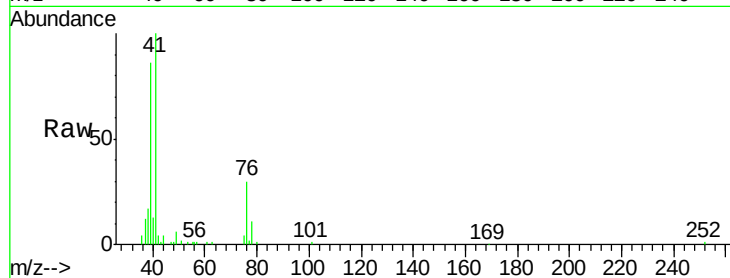




#21
 Allvl Chloride
 Concen: 0.931 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

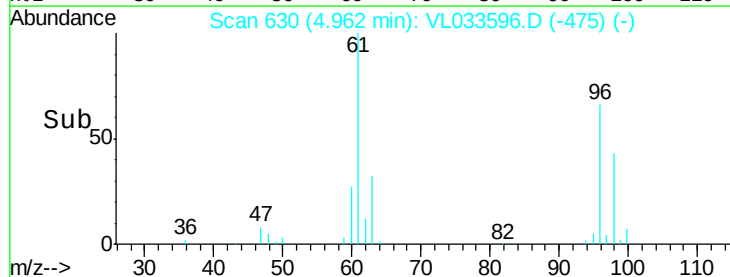
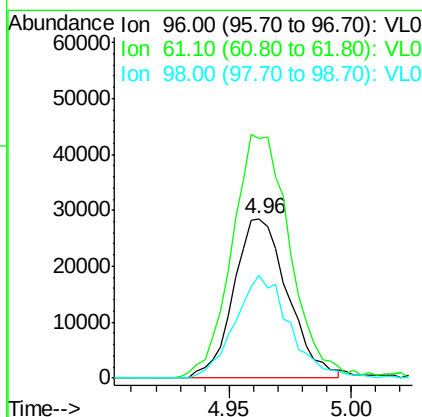
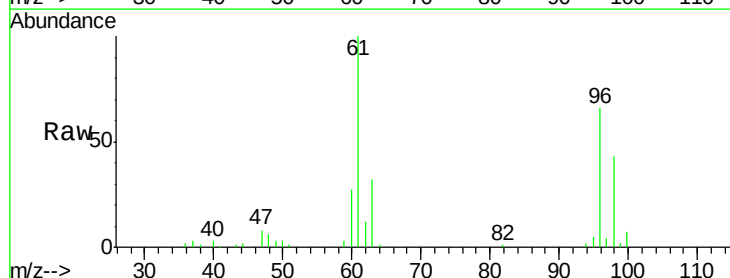
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

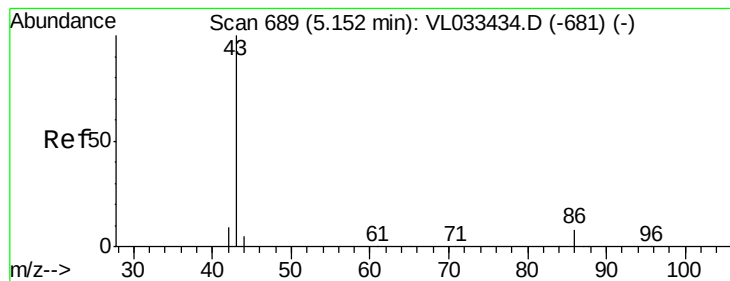
Tot Ion: 41 Resp: 58793
 Ion Ratio Lower Upper
 41 100
 76 31.3 25.4 38.2
 39 86.9 65.3 97.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.977 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion: 96 Resp: 43921
 Ion Ratio Lower Upper
 96 100
 61 146.6 128.9 193.3
 98 64.8 49.5 74.3





#23

Vinyl Acetate

Concen: 0.841 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Tot Ion: 43 Resp: 119603

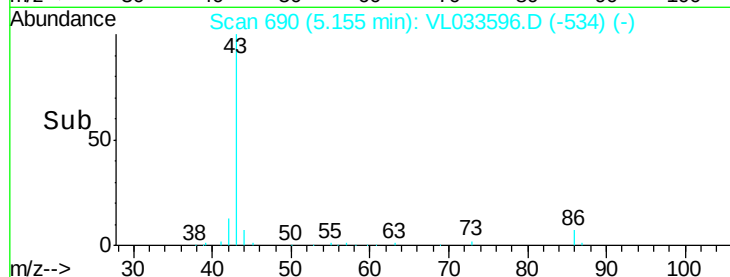
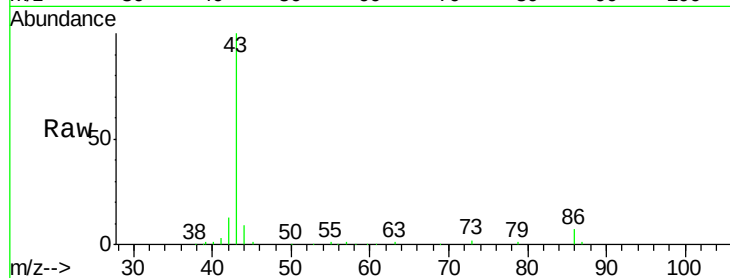
Ion Ratio Lower Upper

43 100

86 6.7 5.6 8.4

42 12.8 8.0 12.0#

44 7.3 3.9 5.9#

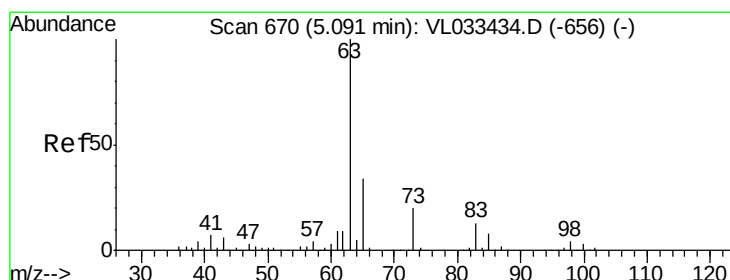
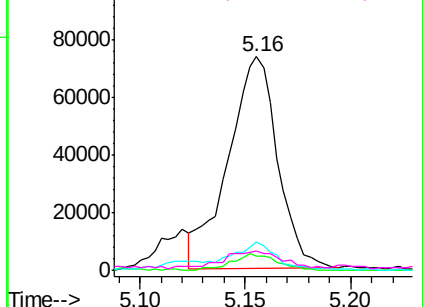


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.909 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

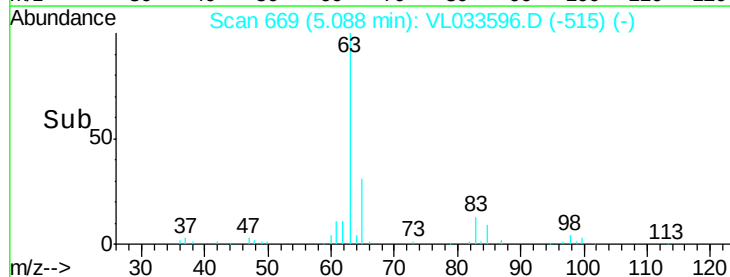
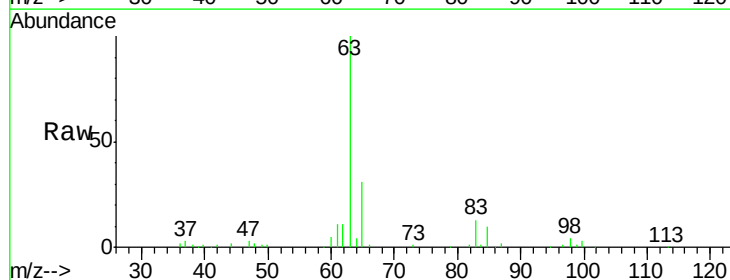
Tgt Ion: 63 Resp: 98188

Ion Ratio Lower Upper

63 100

98 3.6 2.2 6.6

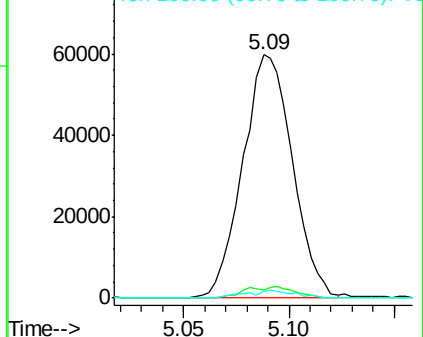
100 2.6 1.5 4.4

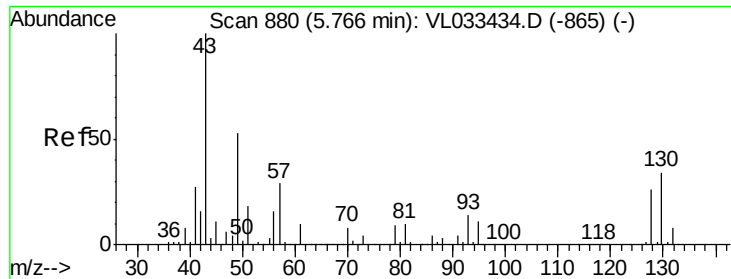


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

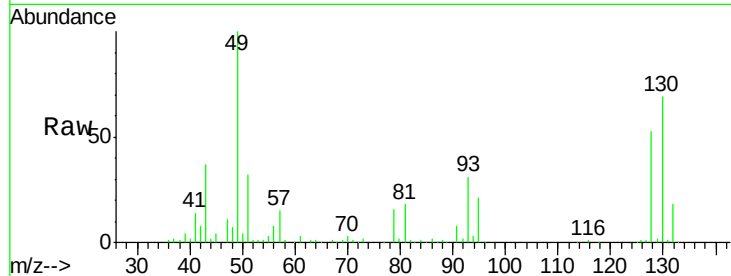




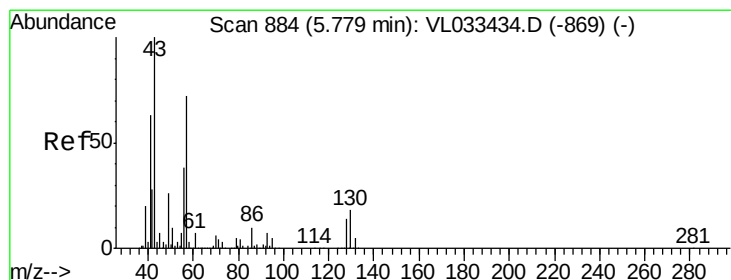
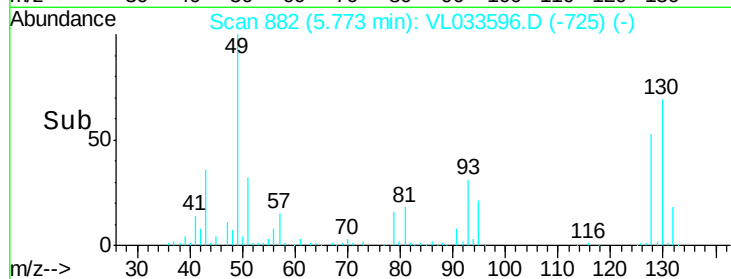
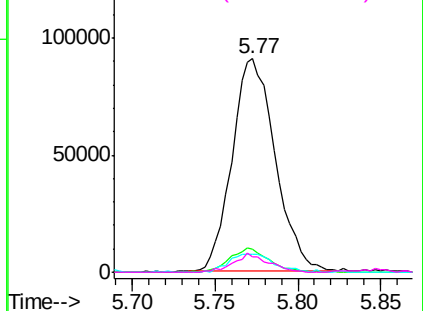
#25
Ethyl Acetate
Concen: 0.886 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

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

Tot Ion:	43	Resp:	164195
Ion	Ratio	Lower	Upper
43	100		
45	10.5	7.8	11.6
61	9.1	7.3	10.9
70	7.1	5.6	8.4

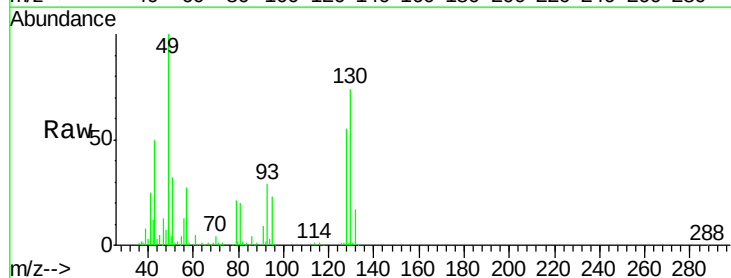


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

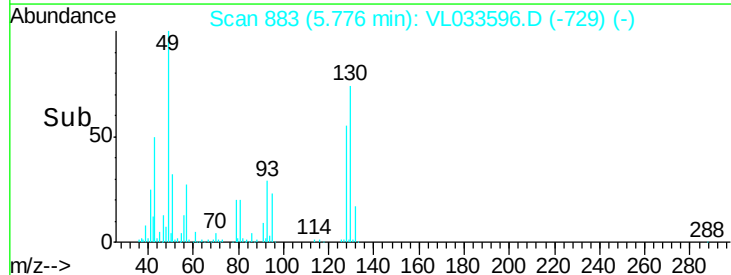
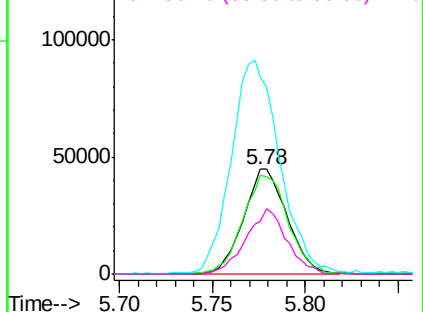


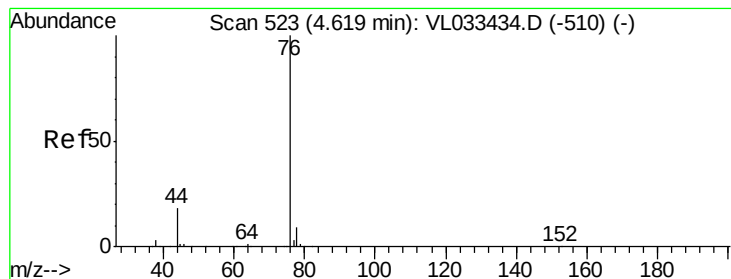
#26
Hexane
Concen: 0.887 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

Tgt Ion:	57	Resp:	73066
Ion	Ratio	Lower	Upper
57	100		
41	98.7	70.7	106.1
43	230.7	182.6	274.0
56	58.2	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: 0.990 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

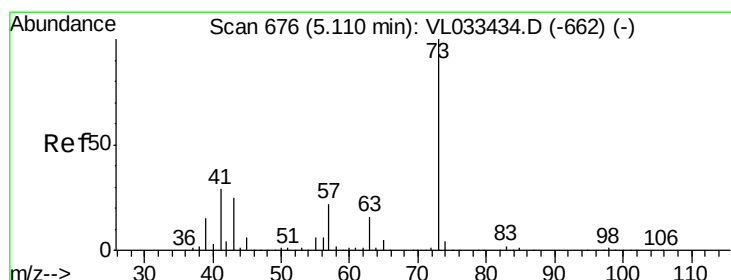
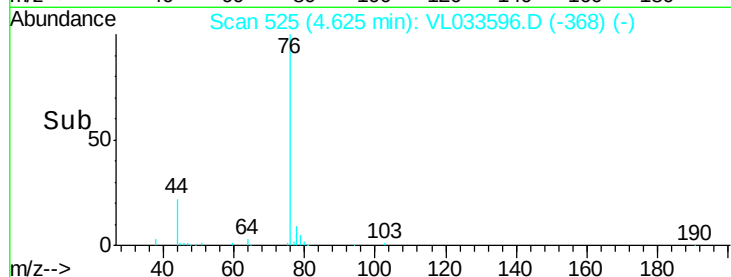
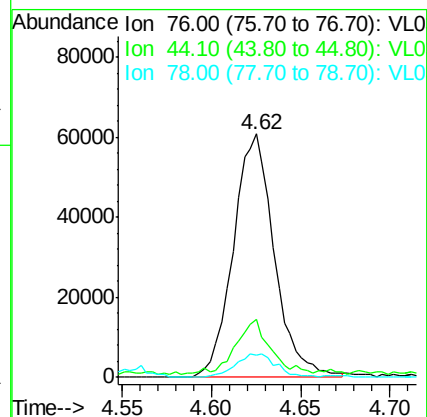
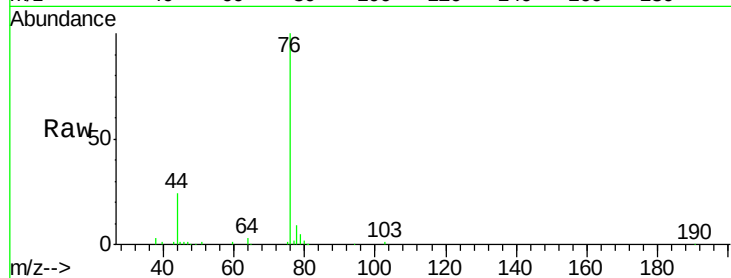
Tot Ion: 76 Resp: 97001

Ion Ratio Lower Upper

76 100

44 21.4 14.8 22.2

78 10.1 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 0.754 ppbv

RT: 5.12 min Scan# 679

Delta R.T. 0.01 min

Lab File: VL033596.D

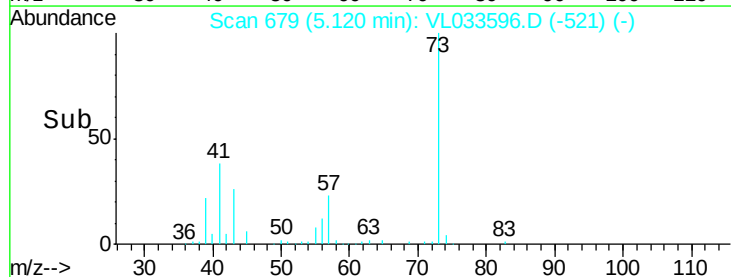
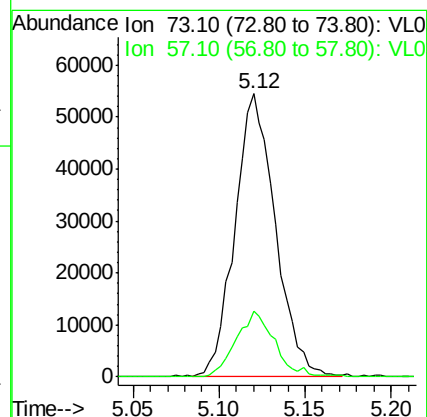
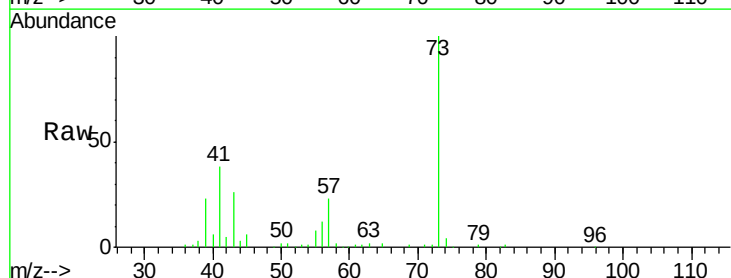
Acq: 16 Apr 2019 17:29

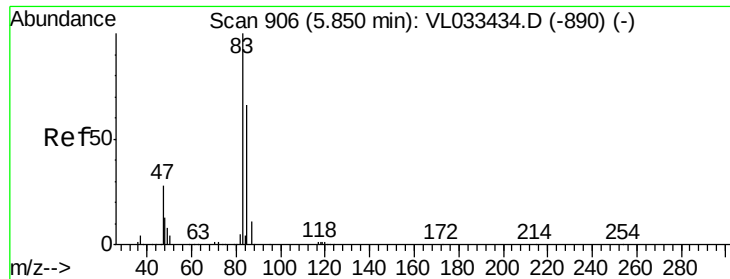
Tgt Ion: 73 Resp: 89432

Ion Ratio Lower Upper

73 100

57 22.3 17.4 26.2

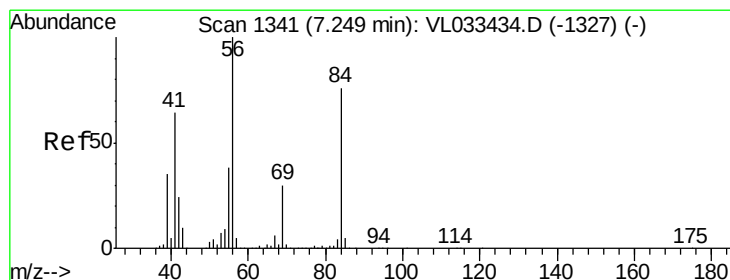
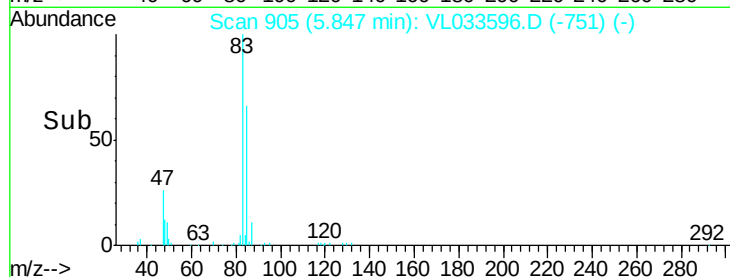
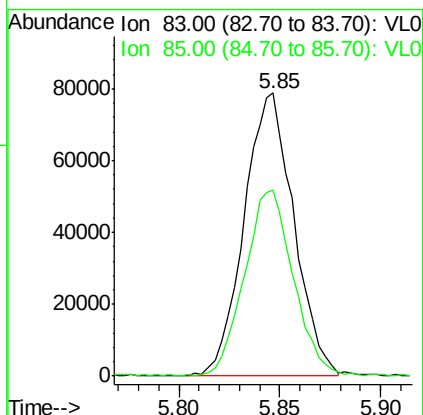
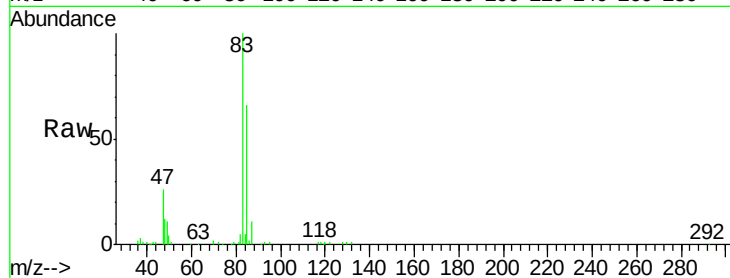




#29
Chloroform
Concen: 0.961 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

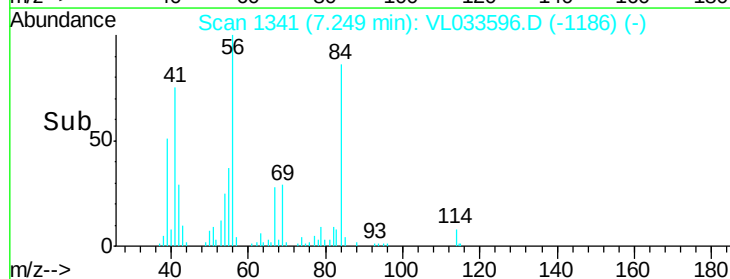
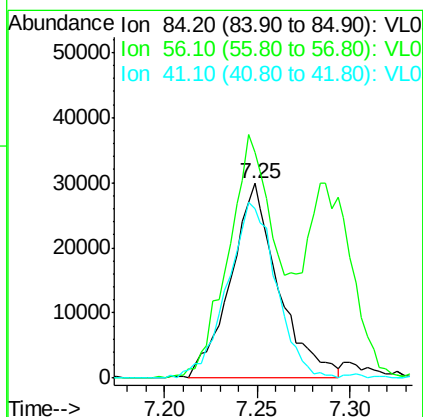
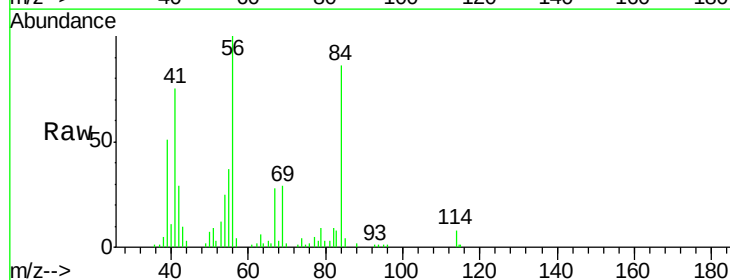
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

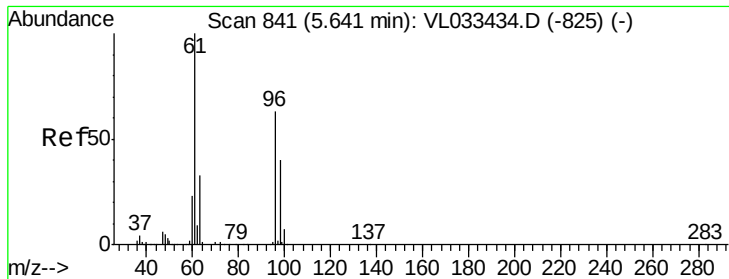
Tot Ion: 83 Resp: 135675
Ion Ratio Lower Upper
83 100
85 64.6 52.6 79.0



#30
Cyclohexane
Concen: 0.821 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

Tgt Ion: 84 Resp: 53538
Ion Ratio Lower Upper
84 100
56 114.7 109.7 164.5
41 93.0 68.2 102.2



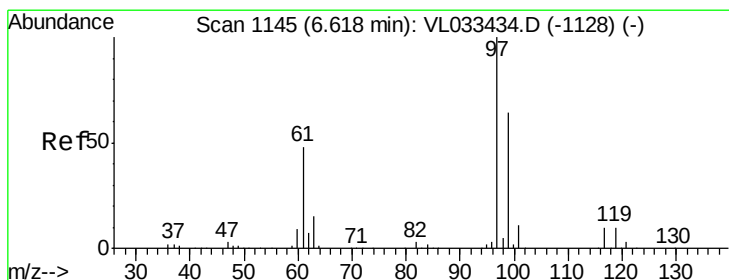
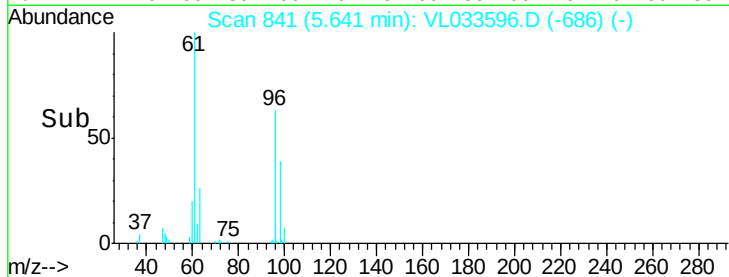
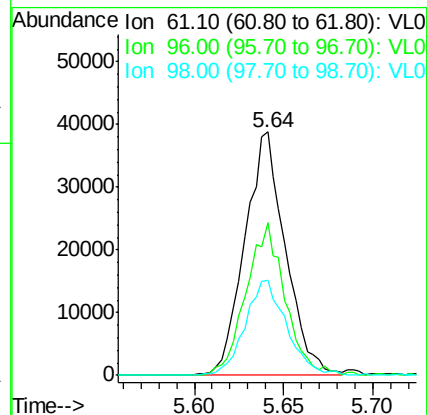
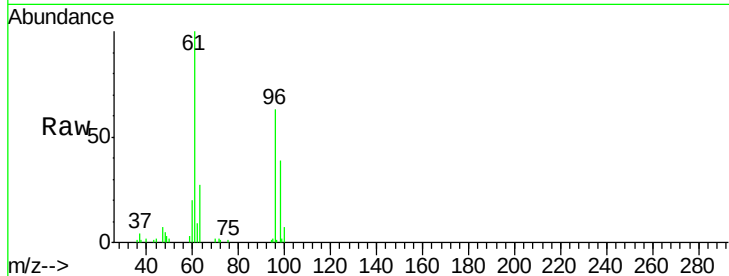


#31

cis-1,2-Dichloroethene
 Concen: 0.757 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

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

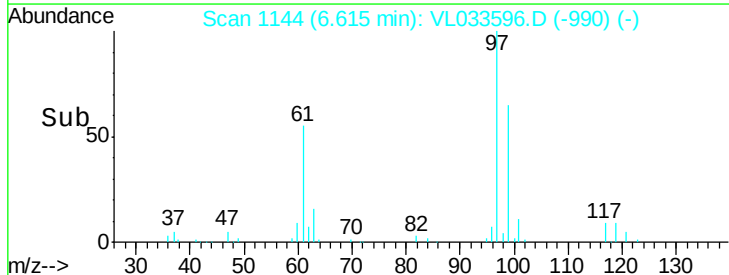
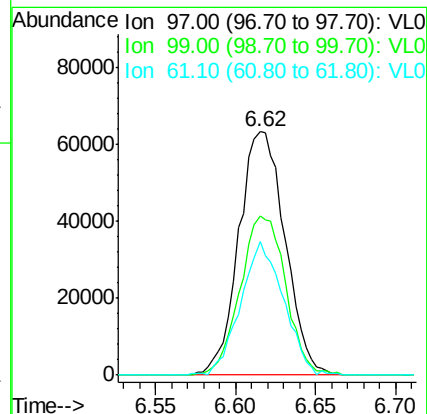
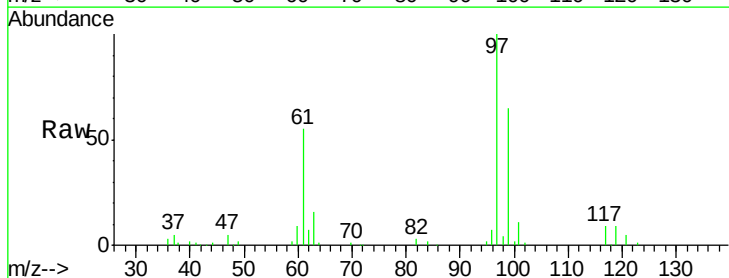
Tot Ion	61	Resp	61983
Ion	Ratio	Lower	Upper
61	100		
96	64.2	50.6	76.0
98	40.7	32.2	48.2

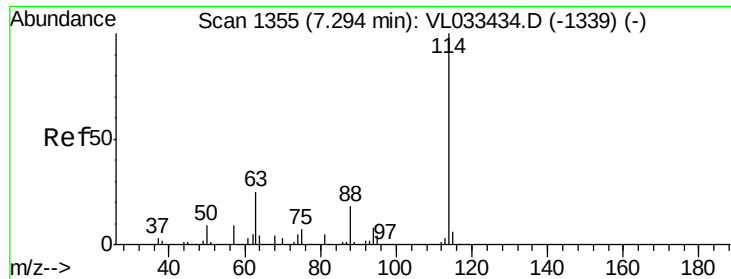


#32

1,1,1-Trichloroethane
 Concen: 0.930 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion	97	Resp	125117
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	50.9	38.8	58.2

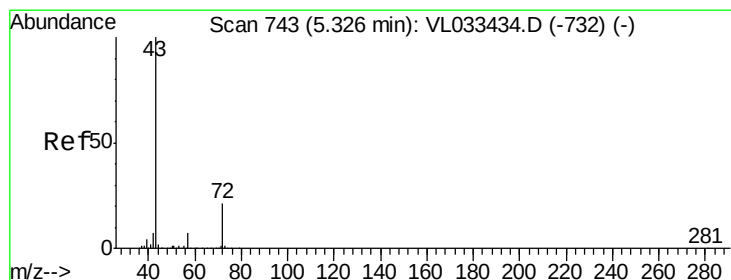
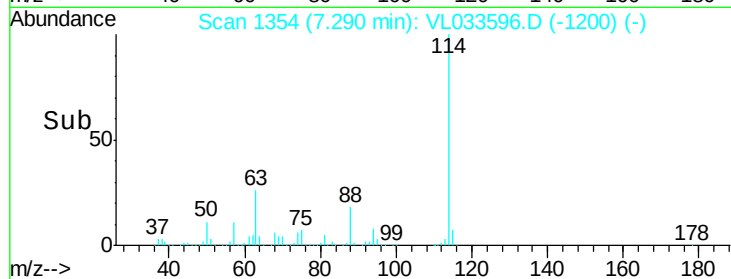
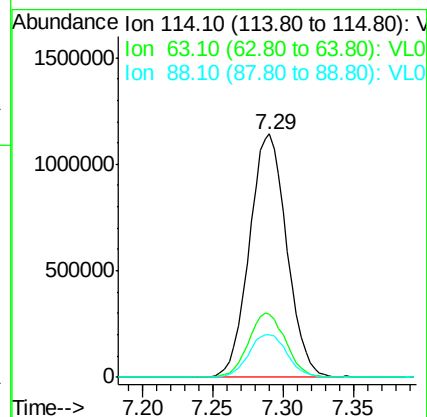
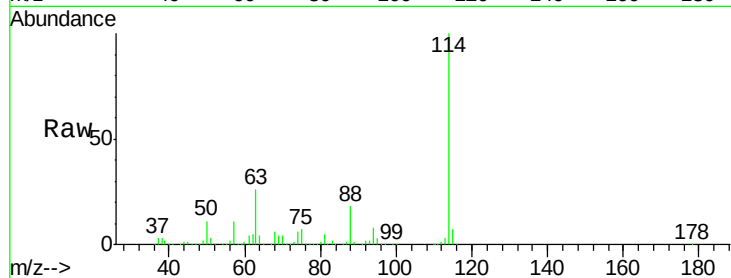




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

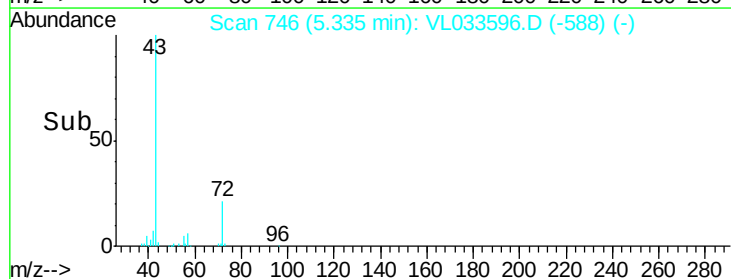
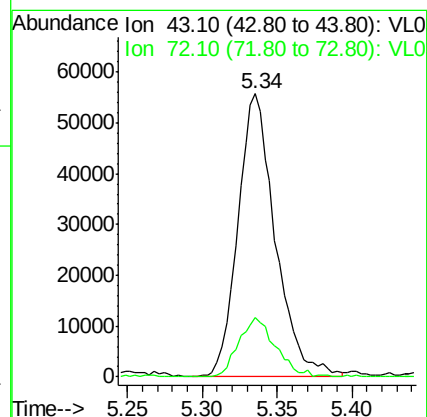
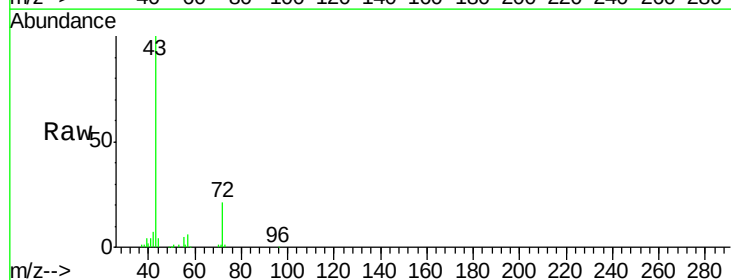
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

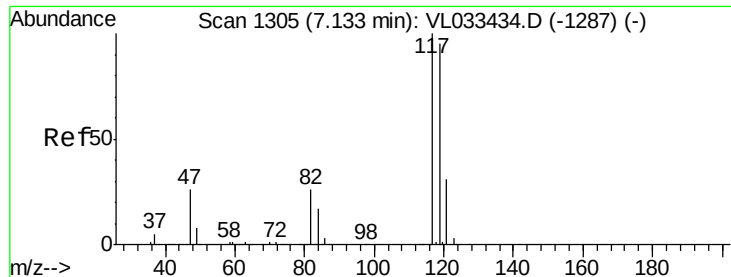
Tot Ion:114 Resp: 2117120
 Ion Ratio Lower Upper
 114 100
 63 26.4 21.5 32.3
 88 18.1 14.5 21.7



#34
 2-Butanone
 Concen: 0.763 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion: 43 Resp: 97053
 Ion Ratio Lower Upper
 43 100
 72 20.5 17.4 26.2





#35

Carbon Tetrachloride

Concen: 0.908 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

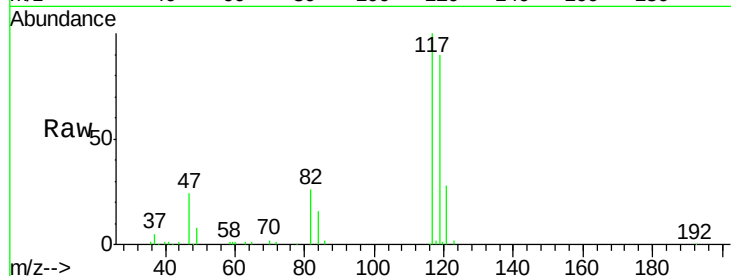
Tot Ion:117 Resp: 136191

Ion Ratio Lower Upper

117 100

119 89.6 75.8 113.8

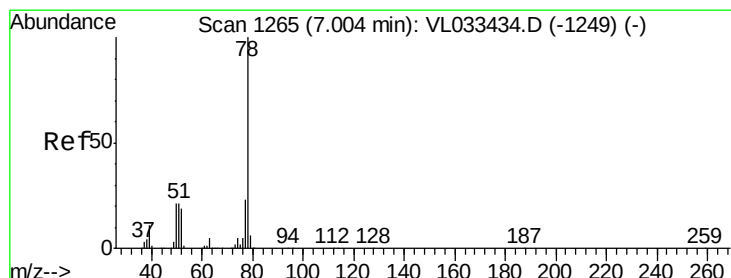
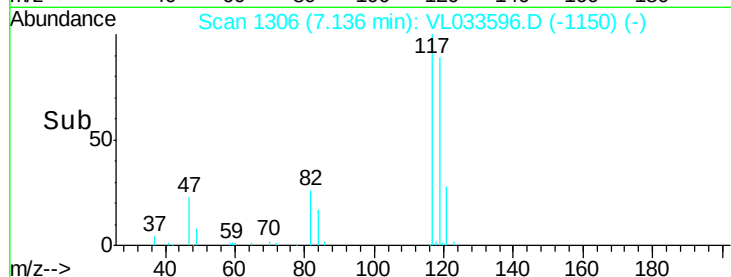
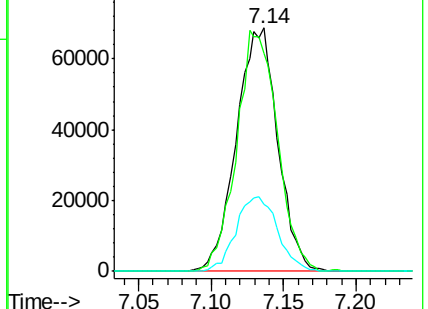
121 27.7 24.7 37.1



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: 0.736 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

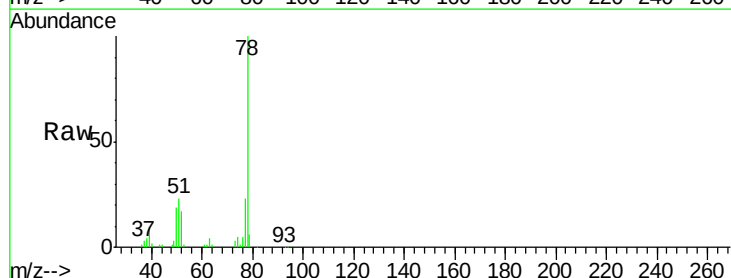
Tgt Ion: 78 Resp: 130719

Ion Ratio Lower Upper

78 100

77 23.1 18.1 27.1

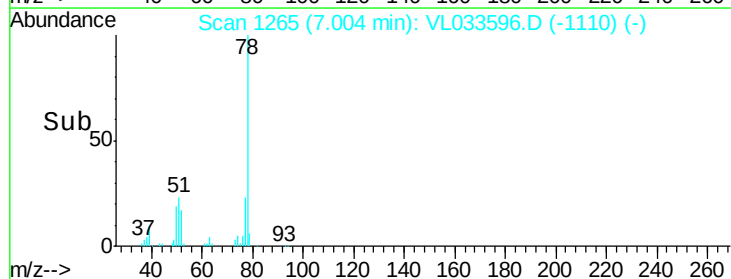
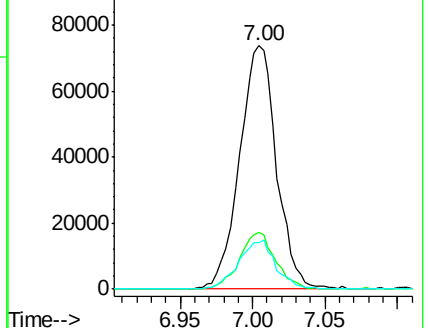
50 18.8 16.7 25.1

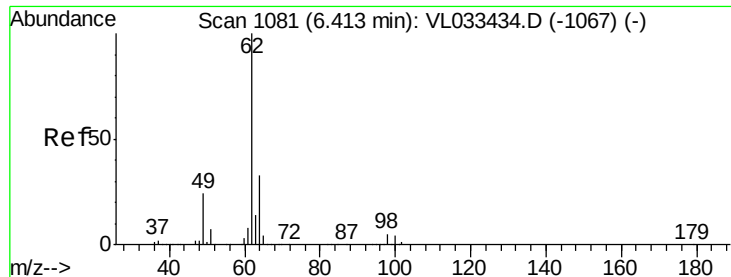


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.830 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

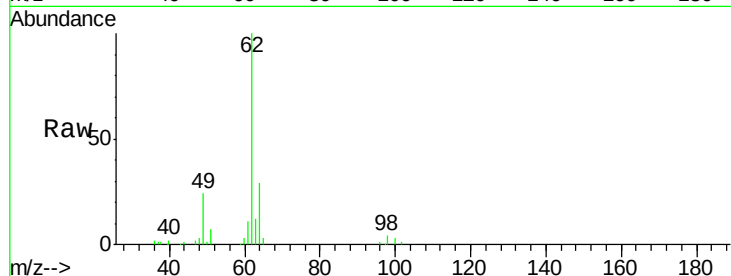
LOQ-AIR-02-QT2-2019

Tot Ion: 62 Resp: 98855

Ion Ratio Lower Upper

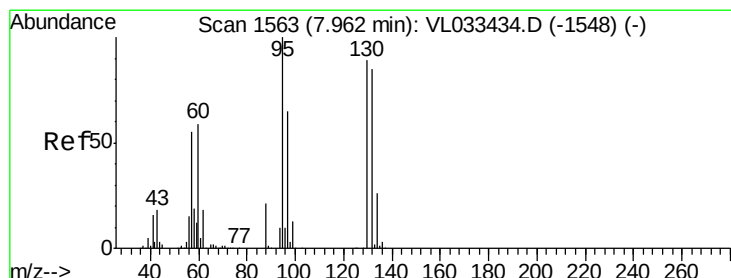
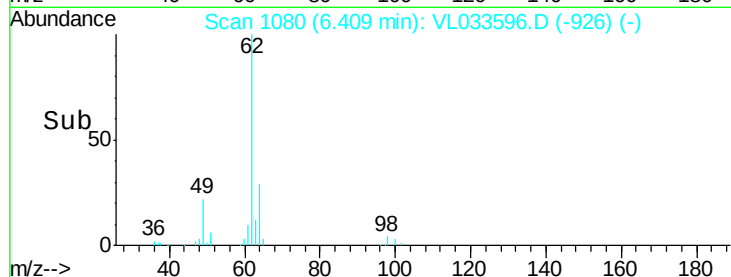
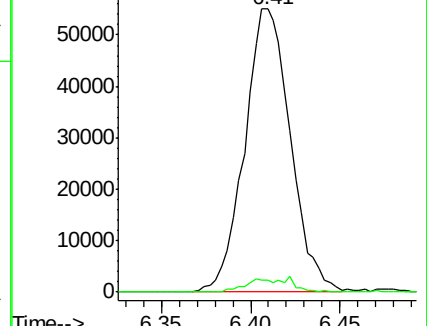
62 100

98 4.8 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.841 ppbv m

RT: 7.96 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Tgt Ion: 130 Resp: 56228

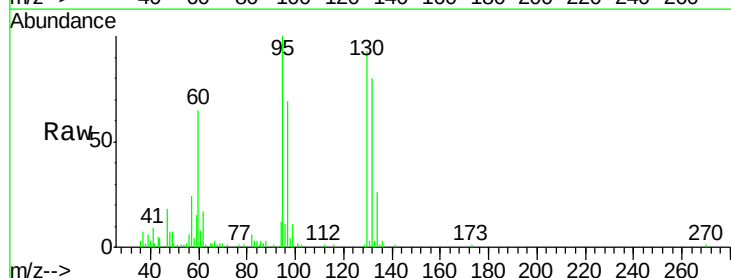
Ion Ratio Lower Upper

130 100

95 108.1 89.8 134.8

132 86.5 76.6 115.0

97 75.1 58.6 88.0

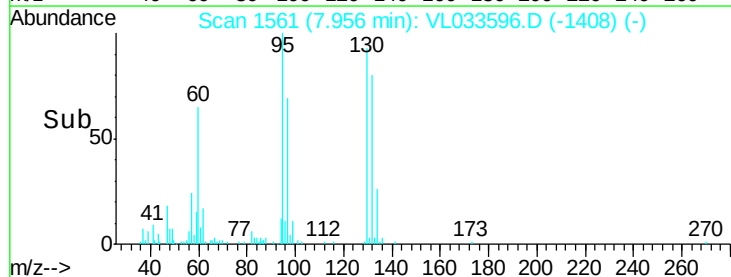
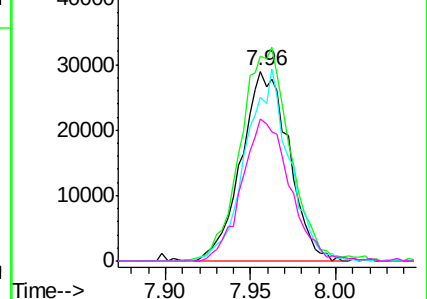


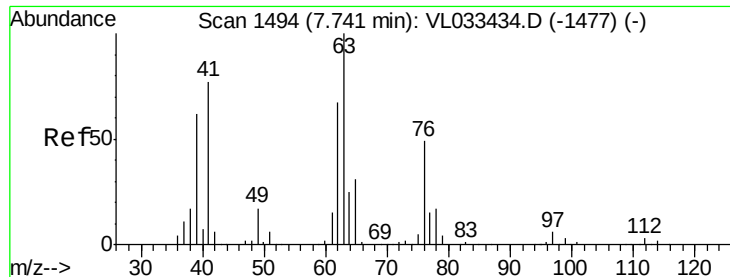
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

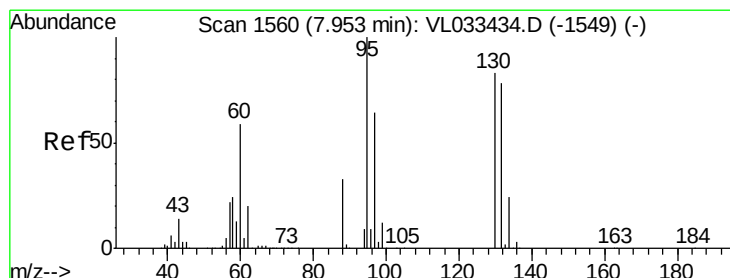
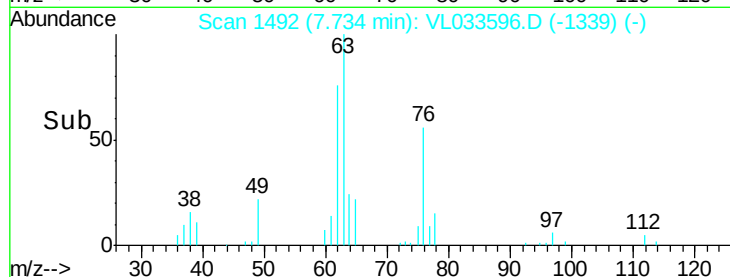
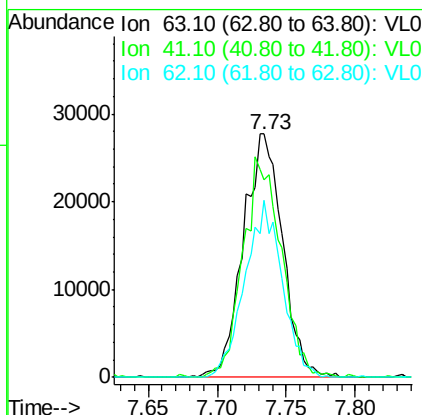
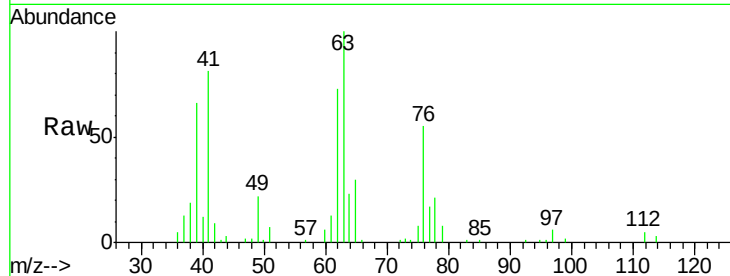




#39
 1,2-Dichloropropane
 Concen: 0.784 ppbv m
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

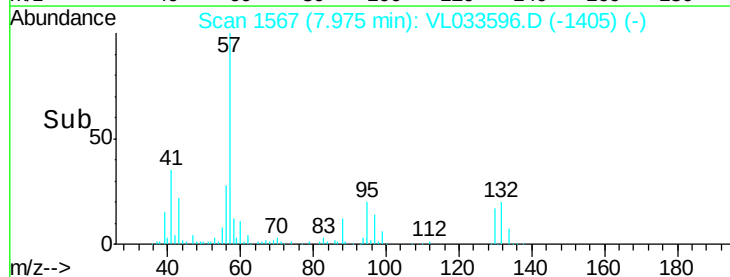
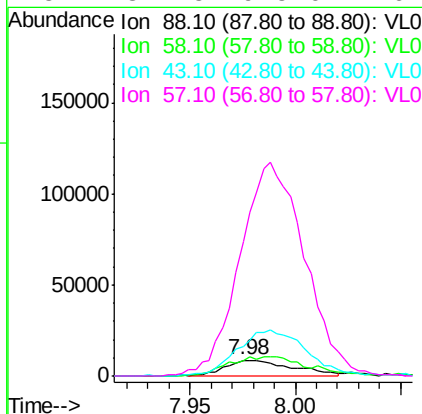
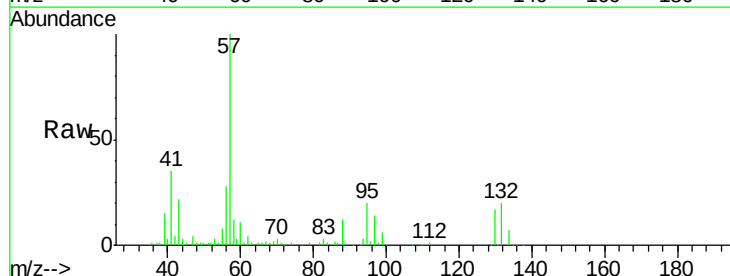
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

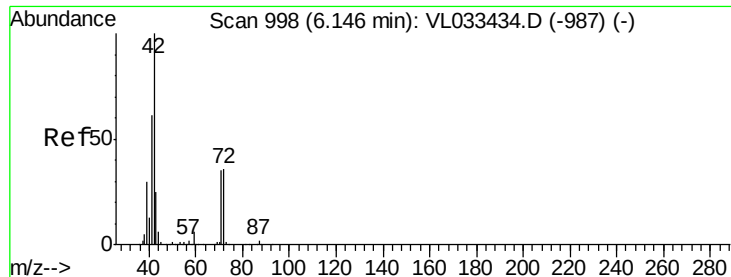
Tot Ion: 63 Resp: 54577
 Ion Ratio Lower Upper
 63 100
 41 81.2 61.2 91.8
 62 72.6 54.0 81.0



#40
 1,4-Dioxane
 Concen: 0.773 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. 0.02 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion: 88 Resp: 19188
 Ion Ratio Lower Upper
 88 100
 58 152.5 105.6 158.4
 43 305.1 216.7 325.1
 57 1312.5 975.0 1462.4

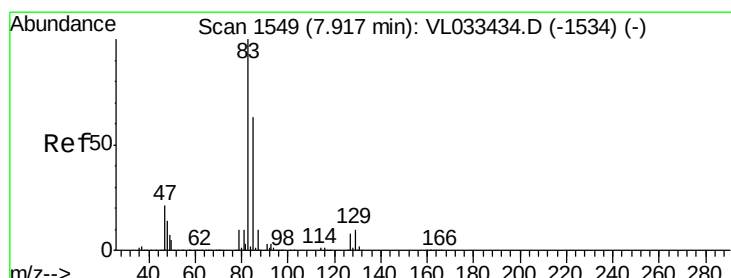
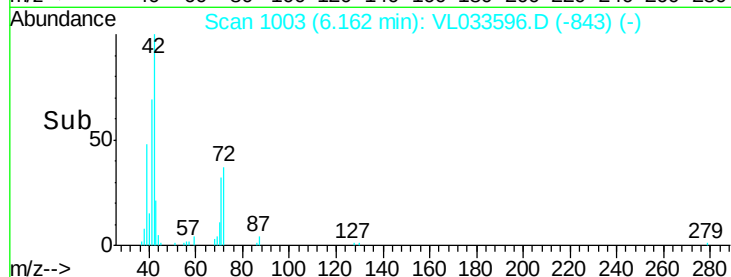
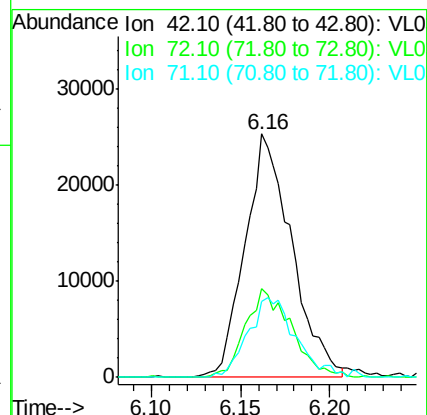
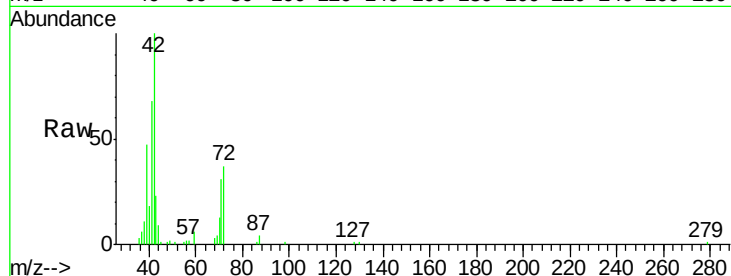




#41
Tetrahydrofuran
Concen: 0.661 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. 0.02 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

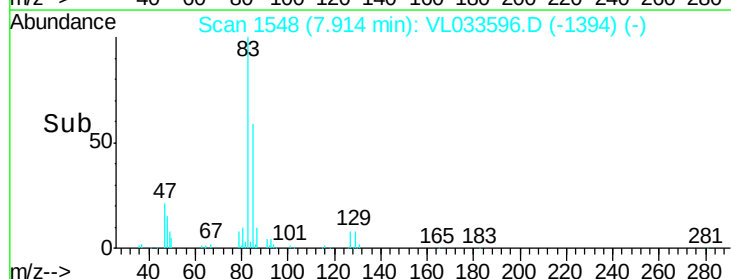
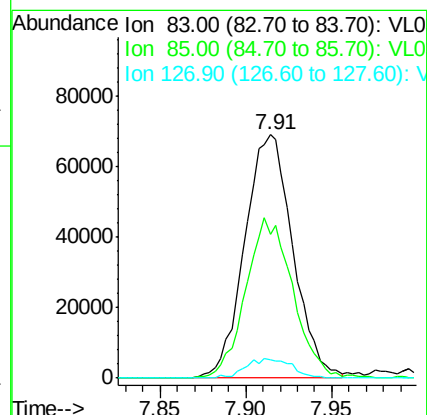
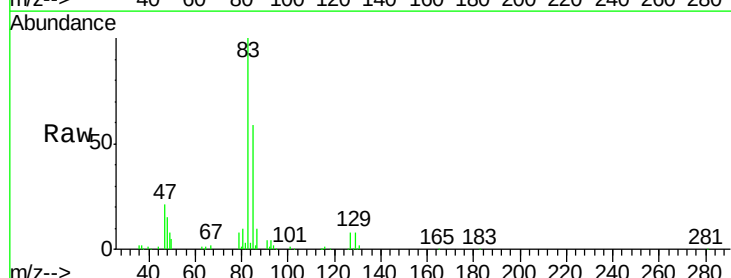
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

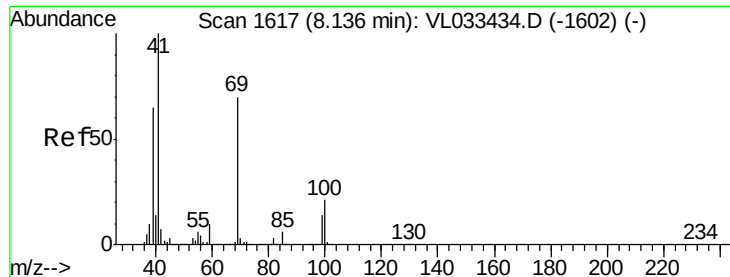
Tot Ion: 42 Resp: 46277
Ion Ratio Lower Upper
42 100
72 35.7 30.2 45.2
71 33.9 29.4 44.2



#42
Bromodichloromethane
Concen: 0.830 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

Tgt Ion: 83 Resp: 134559
Ion Ratio Lower Upper
83 100
85 58.9 50.7 76.1
127 7.8 6.6 9.8

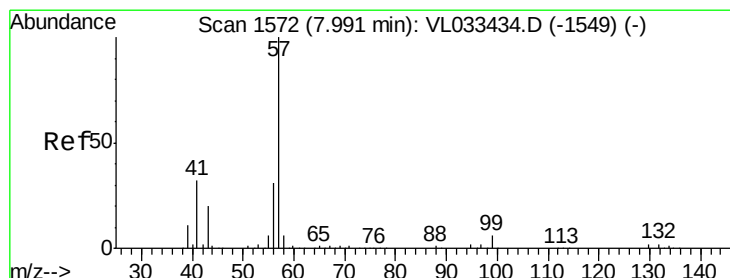
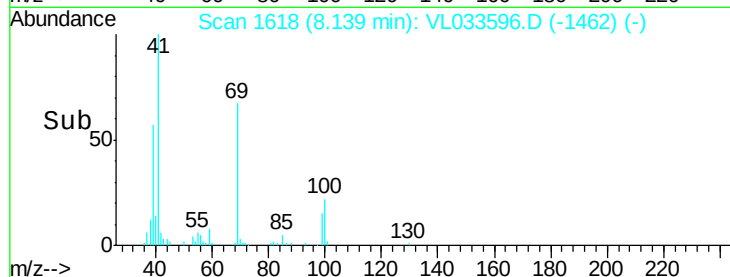
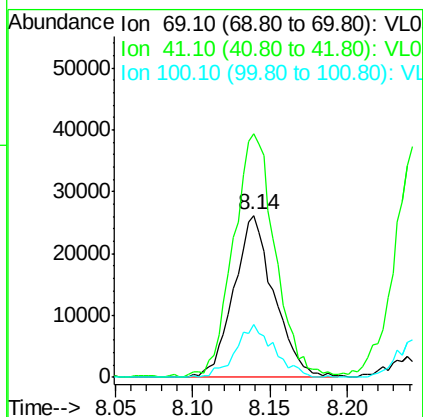
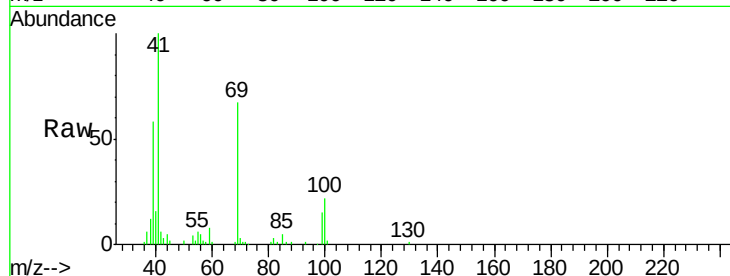




#43
Methyl Methacrylate
Concen: 0.655 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

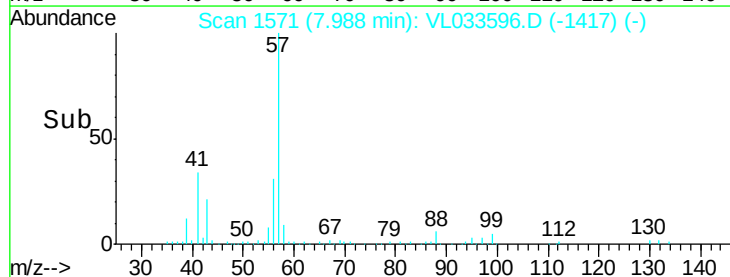
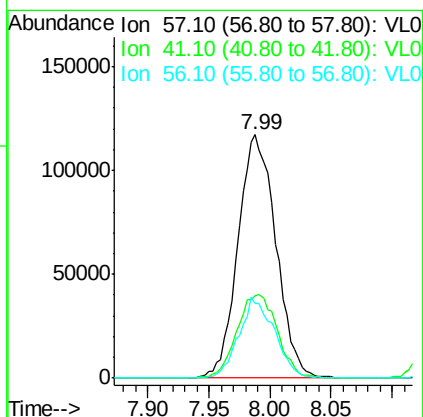
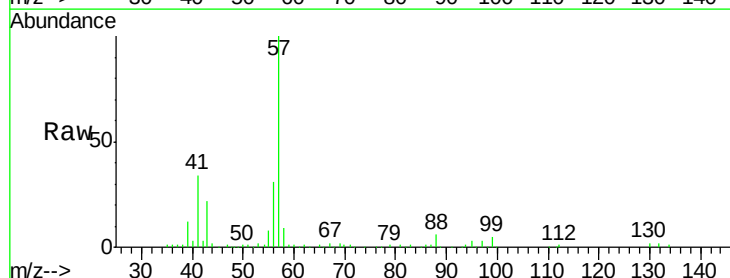
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

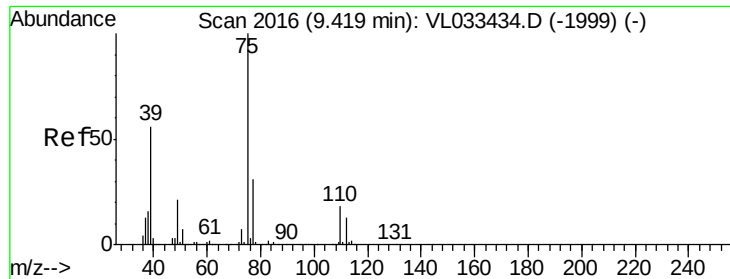
Tot Ion: 69 Resp: 47230
Ion Ratio Lower Upper
69 100
41 158.4 116.6 174.8
100 31.3 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 0.810 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

Tgt Ion: 57 Resp: 251380
Ion Ratio Lower Upper
57 100
41 36.6 26.0 39.0
56 31.2 24.6 37.0

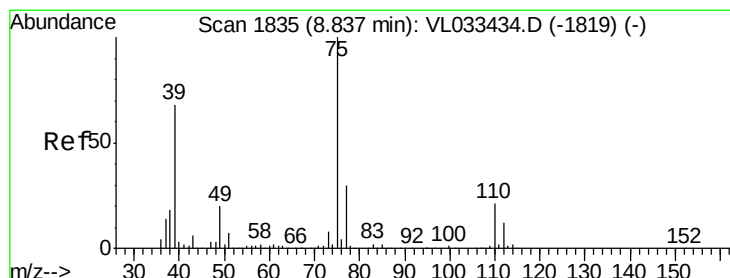
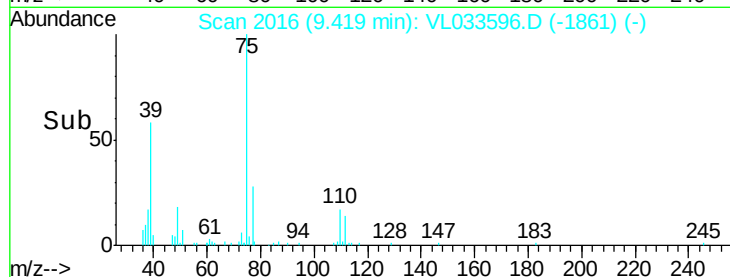
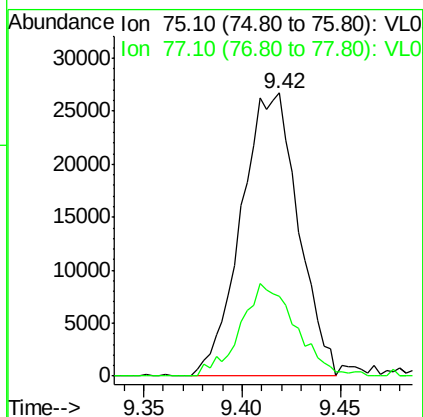
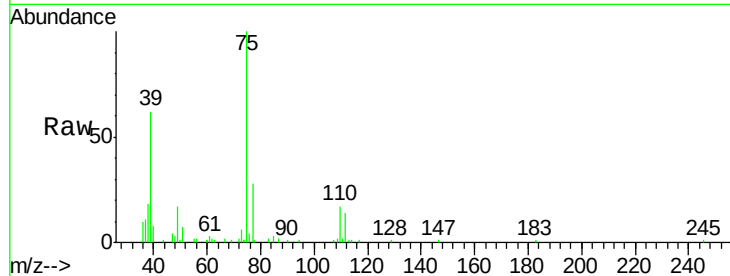




#45
t-1,3-Dichloropropene
Concen: 0.604 ppbv m
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

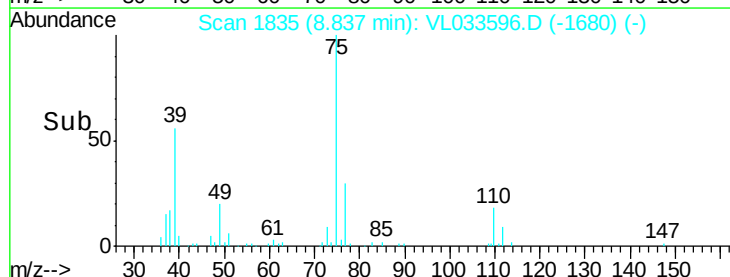
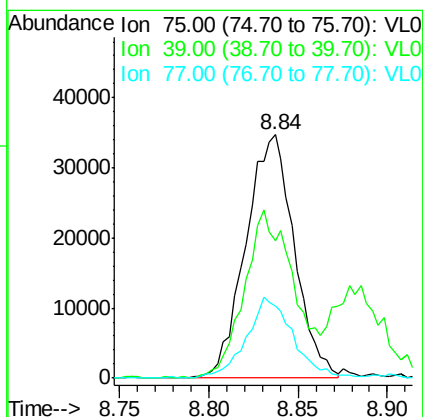
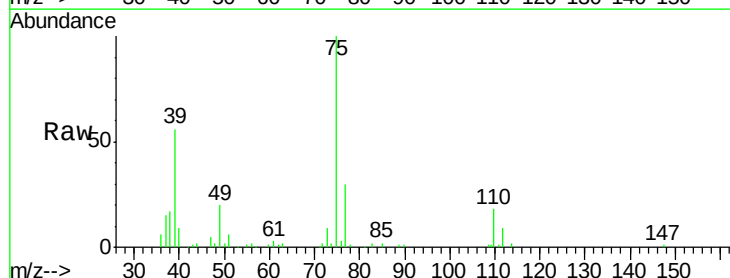
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

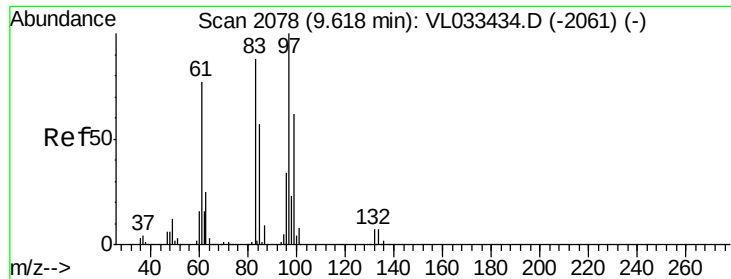
Tot Ion: 75 Resp: 53451
Ion Ratio Lower Upper
75 100
77 28.4 24.5 36.7



#46
cis-1,3-Dichloropropene
Concen: 0.637 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

Tgt Ion: 75 Resp: 65928
Ion Ratio Lower Upper
75 100
39 56.2 54.1 81.1
77 29.6 23.9 35.9

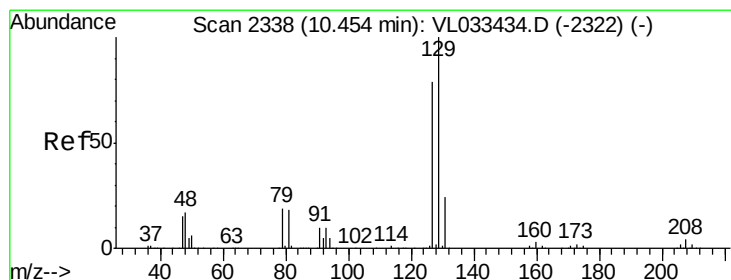
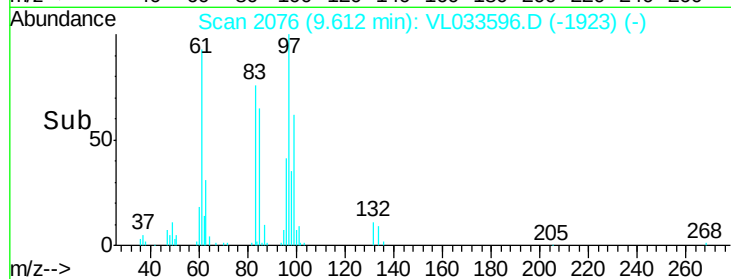
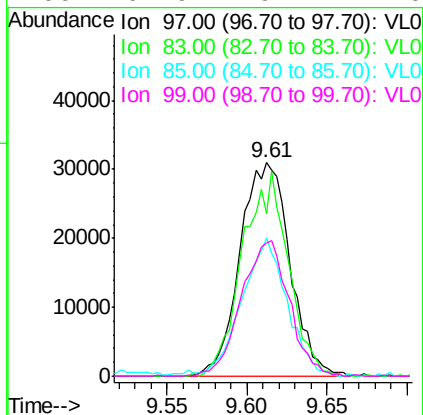
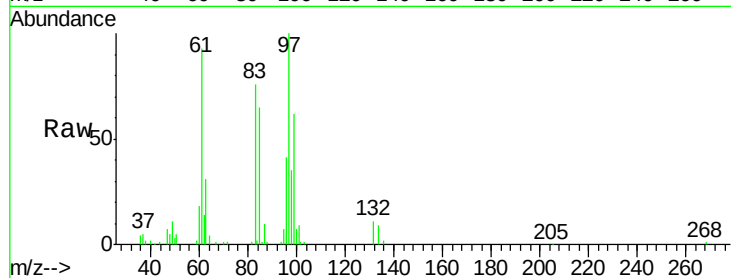




#47
 1,1,2-Trichloroethane
 Concen: 0.834 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

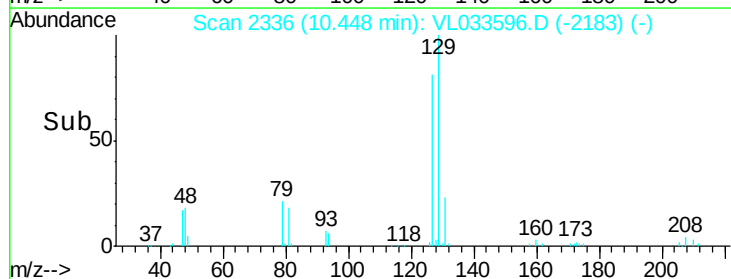
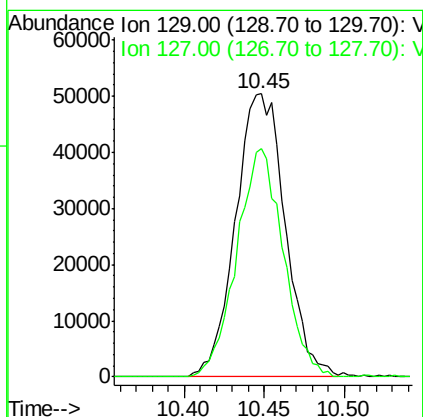
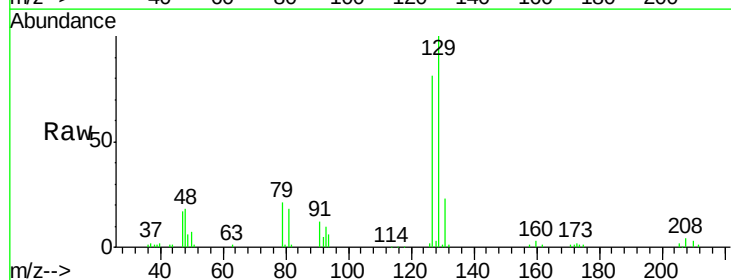
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

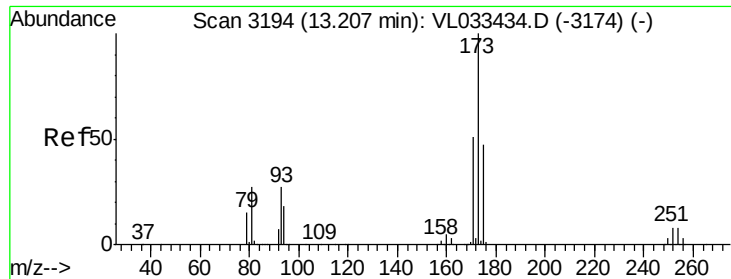
Tot Ion: 97 Resp: 65933
 Ion Ratio Lower Upper
 97 100
 83 76.1 70.5 105.7
 85 65.0 45.6 68.4
 99 61.9 49.4 74.0



#48
 Dibromochloromethane
 Concen: 0.802 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion: 129 Resp: 106867
 Ion Ratio Lower Upper
 129 100
 127 75.5 39.1 117.2





#49

Bromoform

Concen: 0.722 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

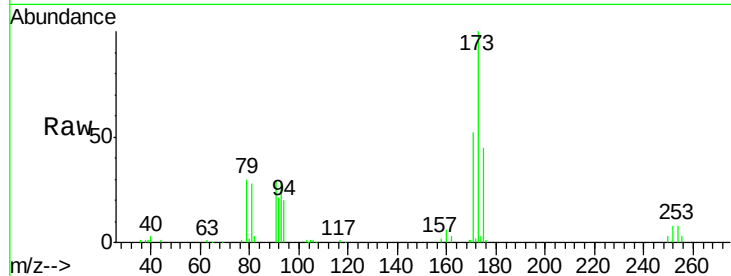
Tot Ion:173 Resp: 91920

Ion Ratio Lower Upper

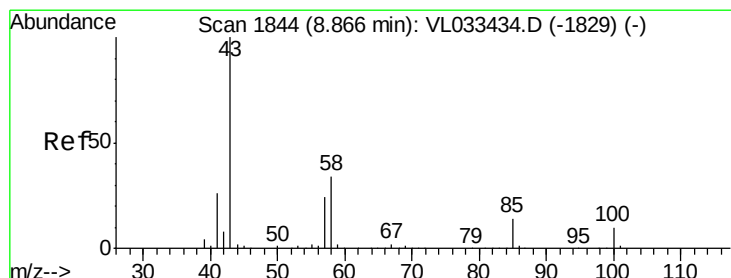
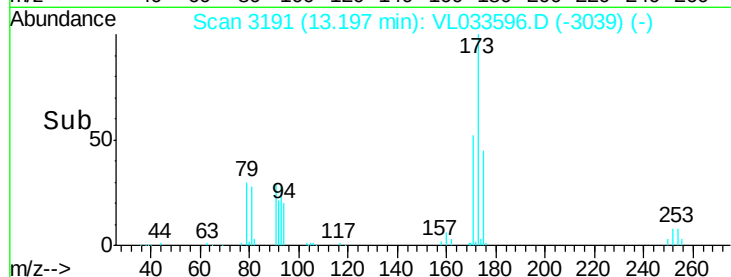
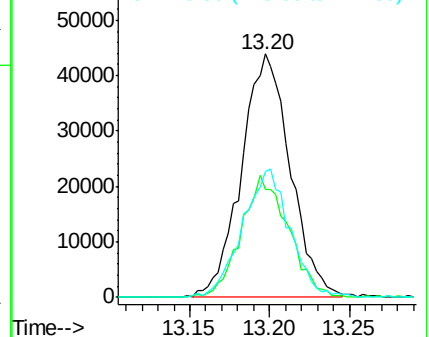
173 100

175 48.0 39.3 58.9

171 51.2 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: 0.769 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL033596.D

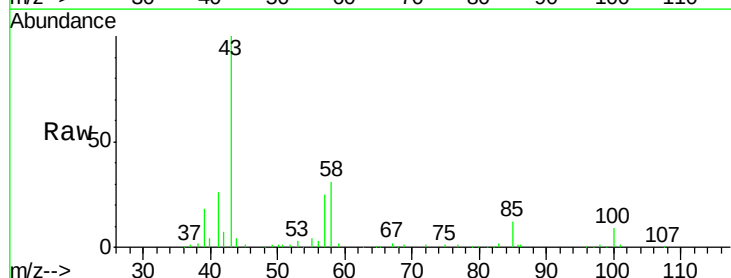
Acq: 16 Apr 2019 17:29

Tgt Ion: 43 Resp: 143265

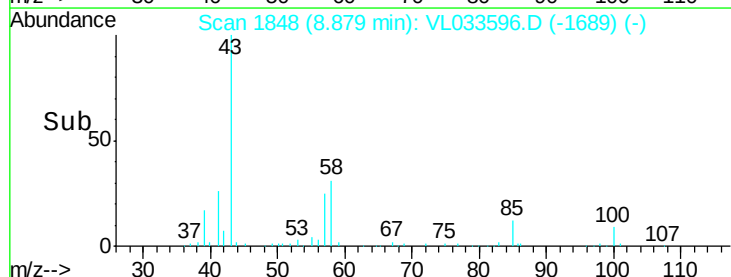
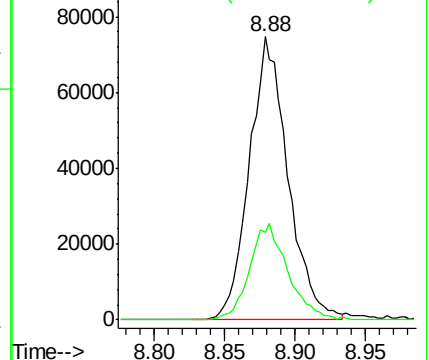
Ion Ratio Lower Upper

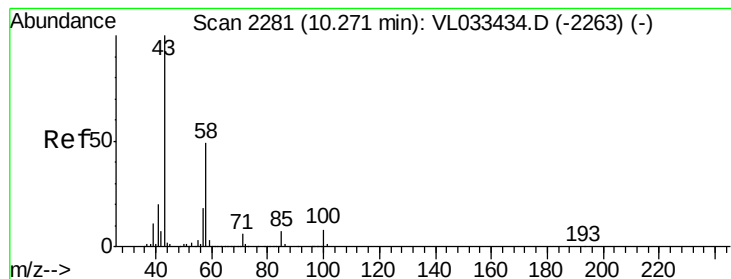
43 100

58 33.8 28.0 42.0



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





#51

2-Hexanone

Concen: 0.672 ppbv

RT: 10.29 min Scan# 2286

Delta R.T. 0.02 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

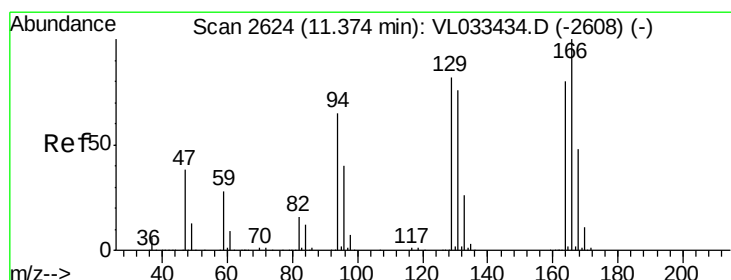
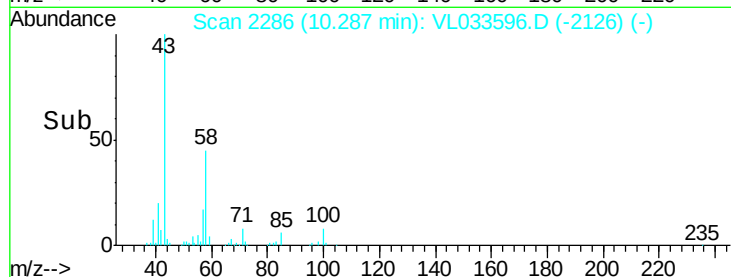
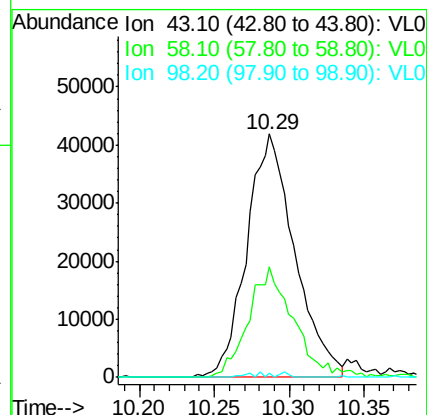
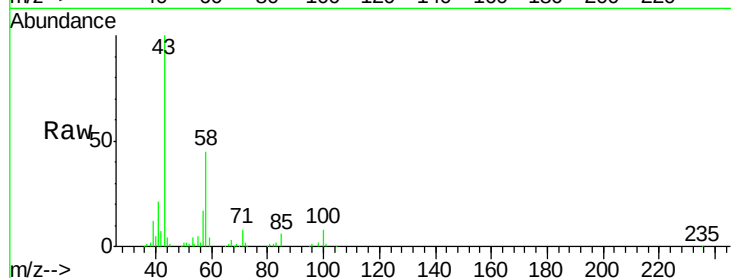
Tot Ion: 43 Resp: 93332

Ion Ratio Lower Upper

43 100

58 43.4 38.2 57.2

98 1.2 0.2 0.2#



#52

Tetrachloroethene

Concen: 0.759 ppbv

RT: 11.37 min Scan# 2623

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Tgt Ion: 164 Resp: 50878

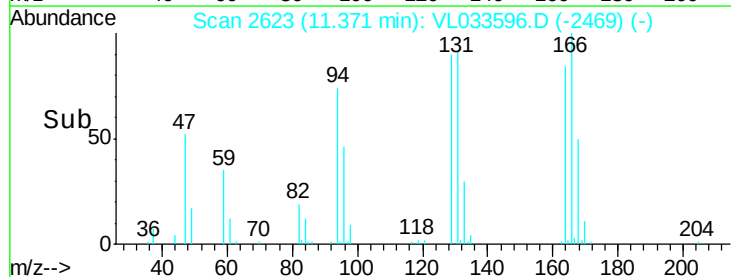
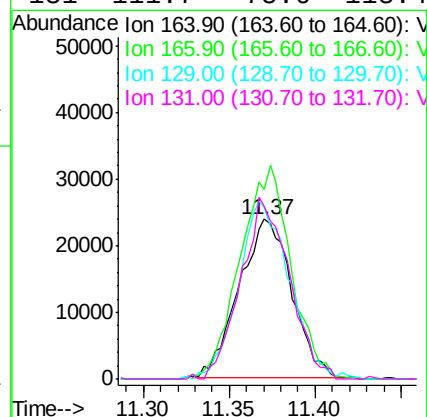
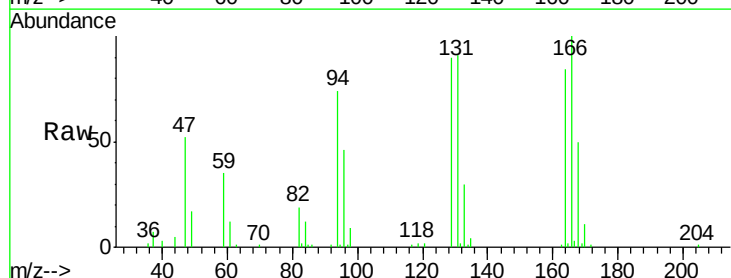
Ion Ratio Lower Upper

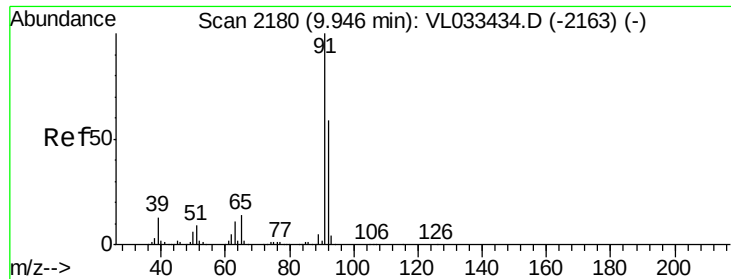
164 100

166 117.6 99.5 149.3

129 108.2 81.4 122.2

131 111.7 75.6 113.4





#53

Toluene

Concen: 0.668 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

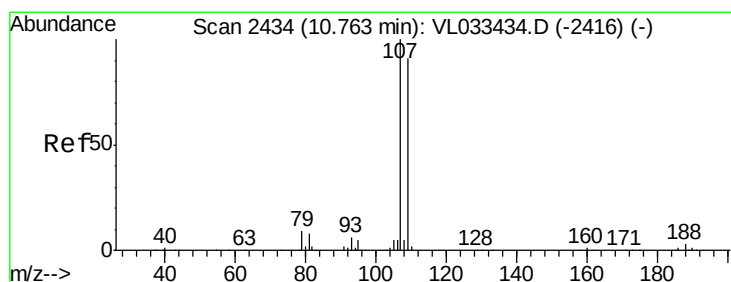
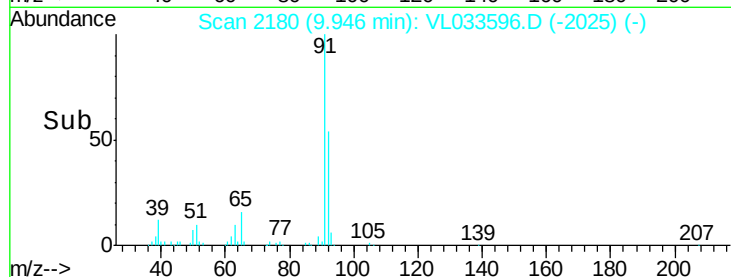
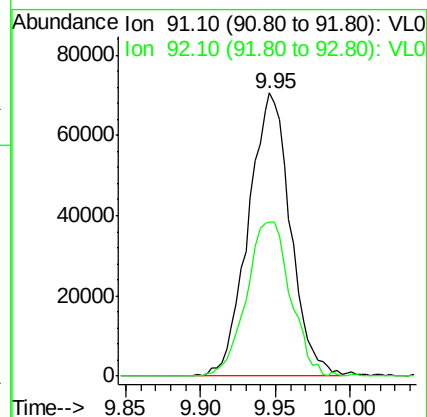
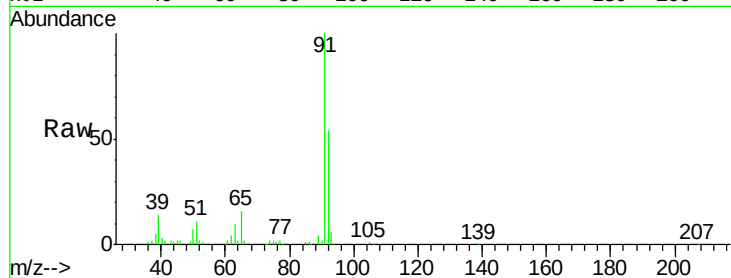
LOQ-AIR-02-QT2-2019

Tot Ion: 91 Resp: 137915

Ion Ratio Lower Upper

91 100

92 57.1 47.4 71.0



#54

1,2-Dibromoethane

Concen: 0.758 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL033596.D

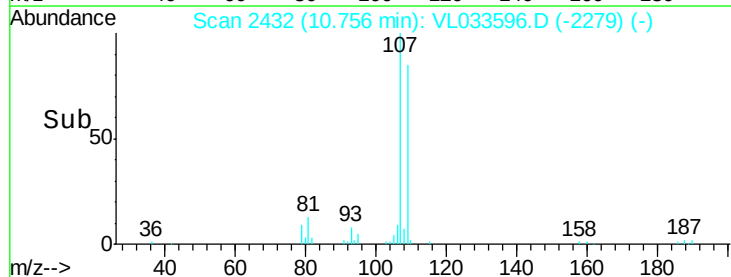
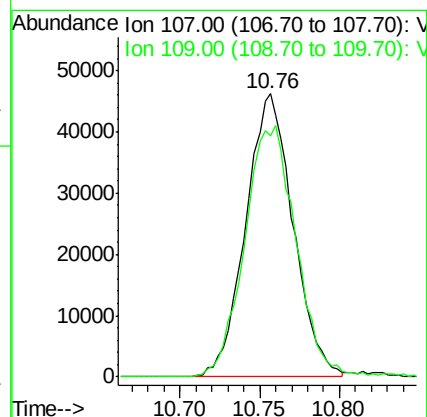
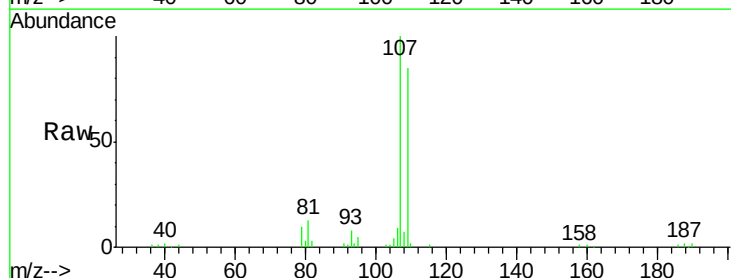
Acq: 16 Apr 2019 17:29

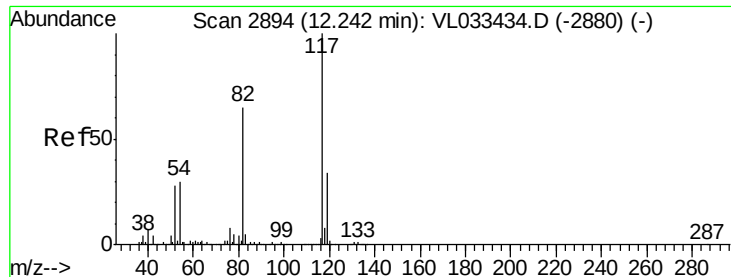
Tgt Ion: 107 Resp: 93723

Ion Ratio Lower Upper

107 100

109 85.4 72.7 109.1

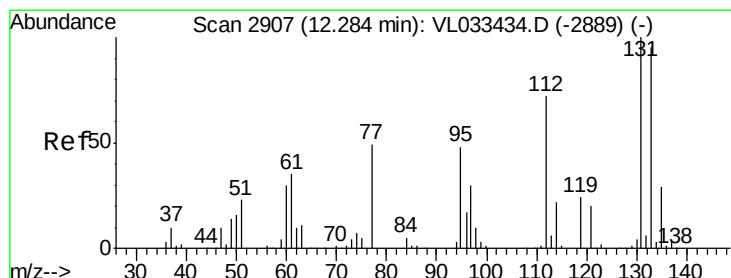
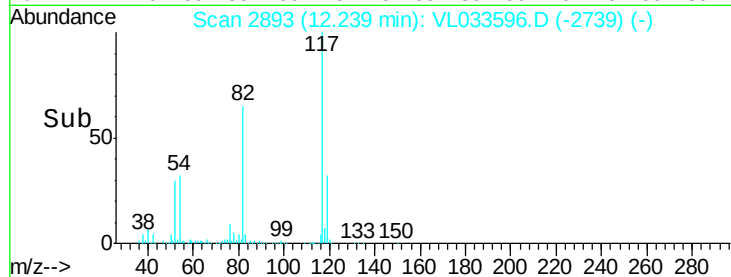
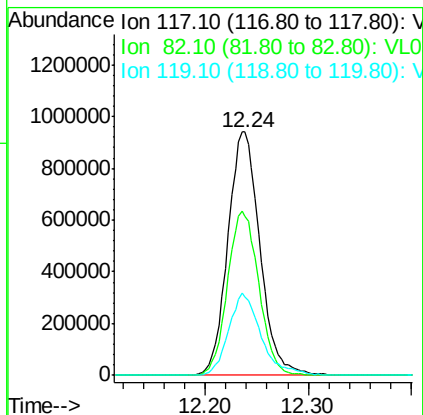
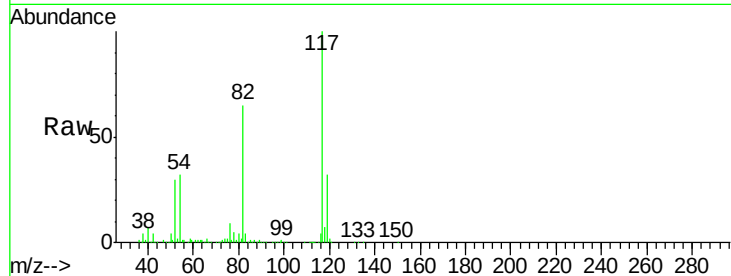




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

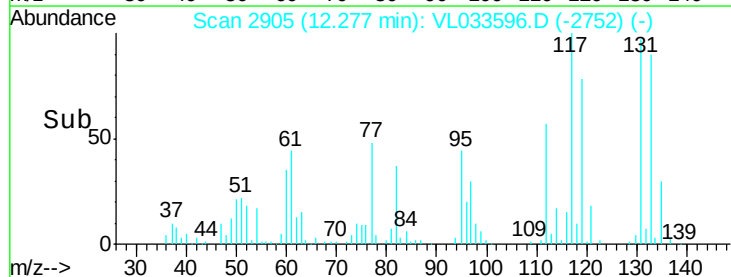
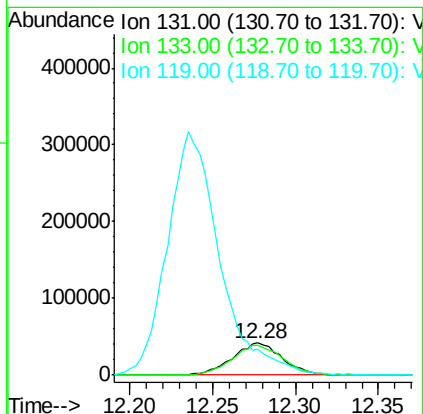
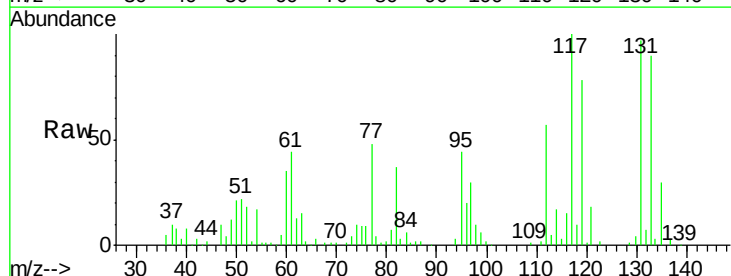
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

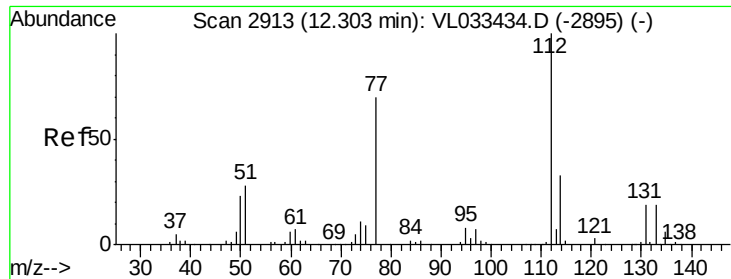
Tot Ion:117 Resp: 2044052
Ion Ratio Lower Upper
117 100
82 65.9 51.5 77.3
119 34.1 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.927 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

Tgt Ion:131 Resp: 86856
Ion Ratio Lower Upper
131 100
133 96.3 76.2 114.4
119 803.0 45.0 67.6#

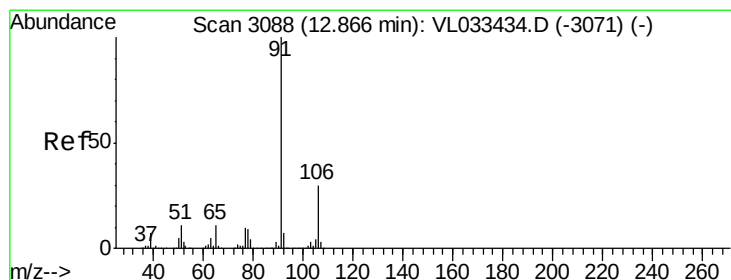
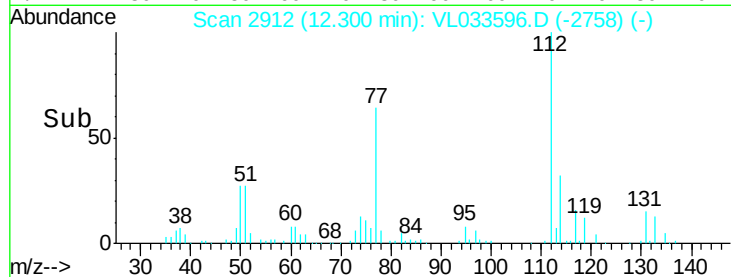
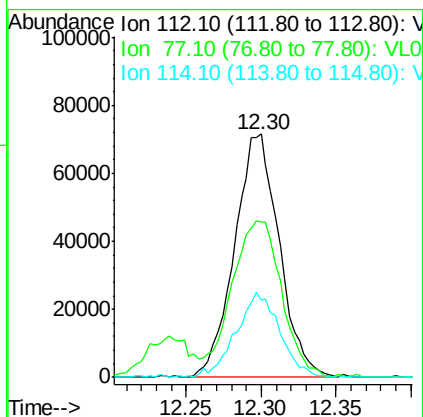
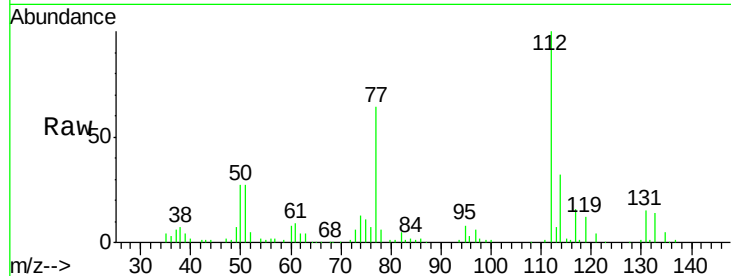




#57
Chlorobenzene
Concen: 0.939 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

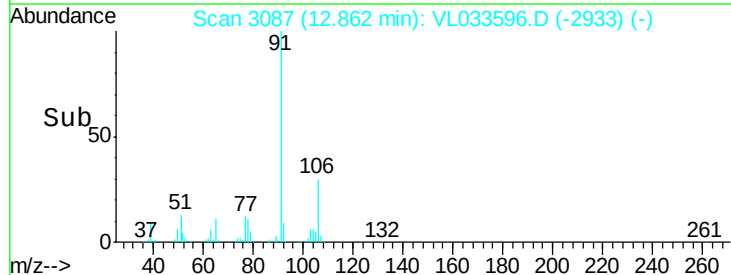
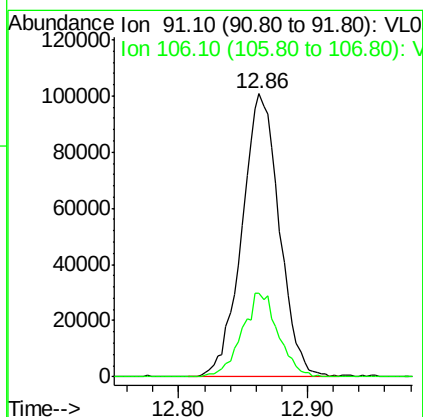
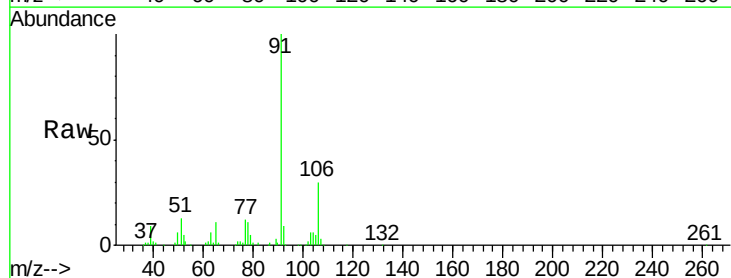
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

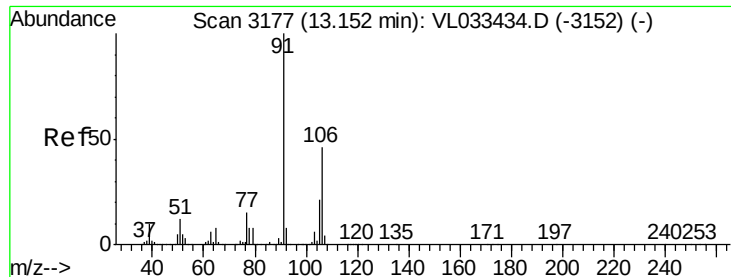
Tot Ion:112 Resp: 149016
Ion Ratio Lower Upper
112 100
77 62.7 57.3 85.9
114 31.2 29.8 36.4



#58
Ethyl Benzene
Concen: 0.747 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

Tgt Ion: 91 Resp: 203867
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6





#59

m/p-Xylene

Concen: 1.619 ppbv m

RT: 13.14 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

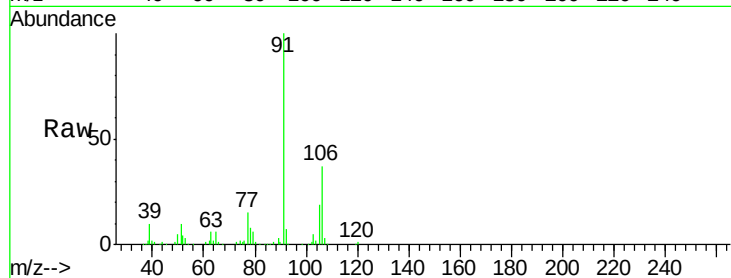
LOQ-AIR-02-QT2-2019

Tot Ion: 91 Resp: 394844

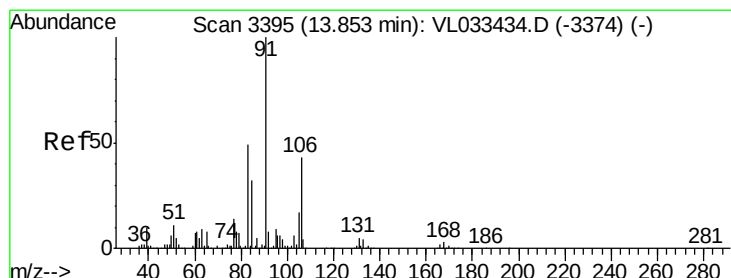
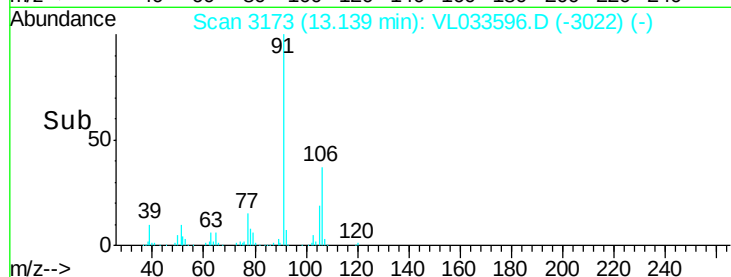
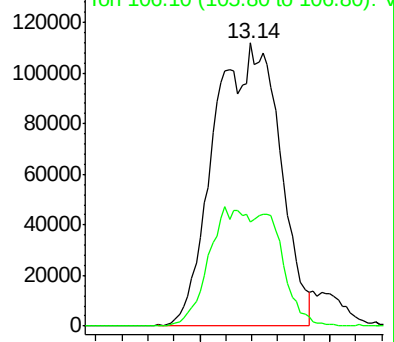
Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0



#60

o-Xylene

Concen: 0.841 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL033596.D

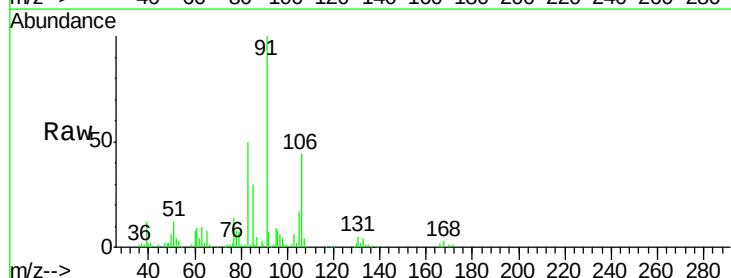
Acq: 16 Apr 2019 17:29

Tgt Ion: 91 Resp: 198289

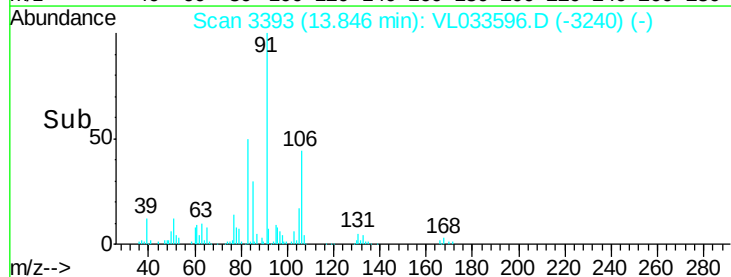
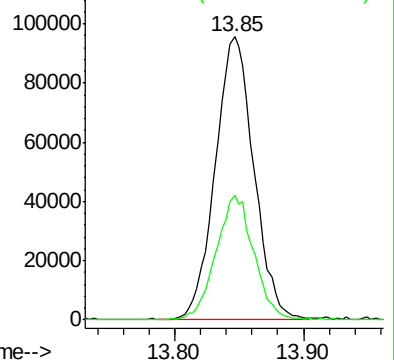
Ion Ratio Lower Upper

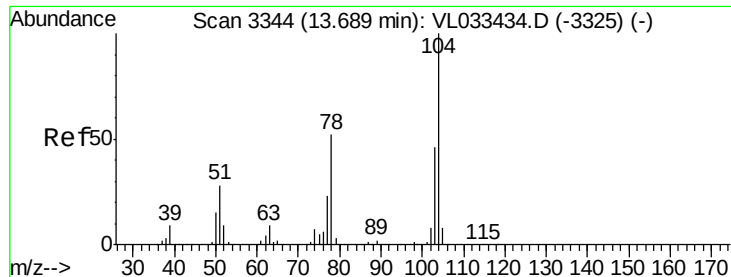
91 100

106 43.4 21.4 64.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

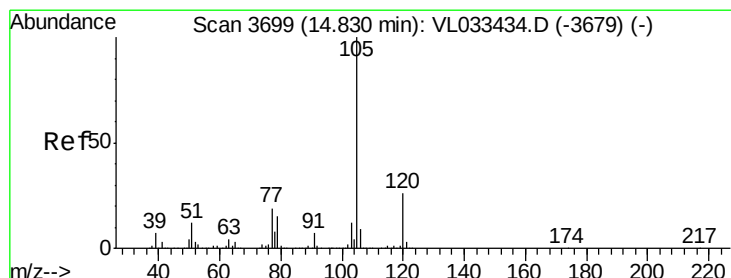
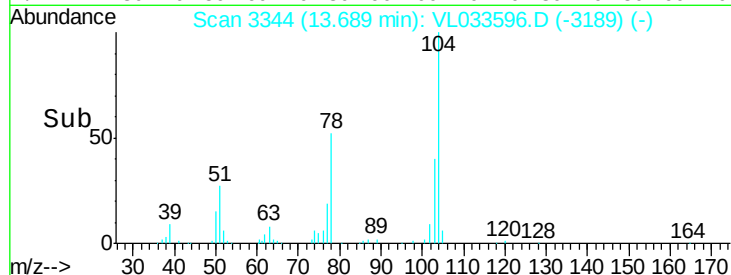
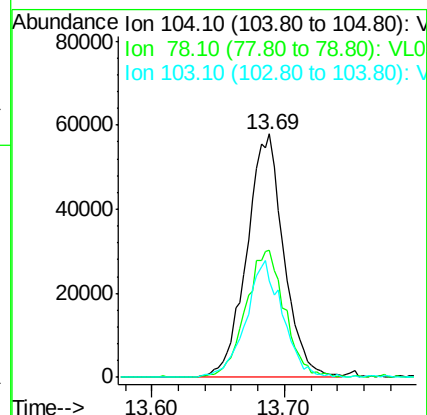
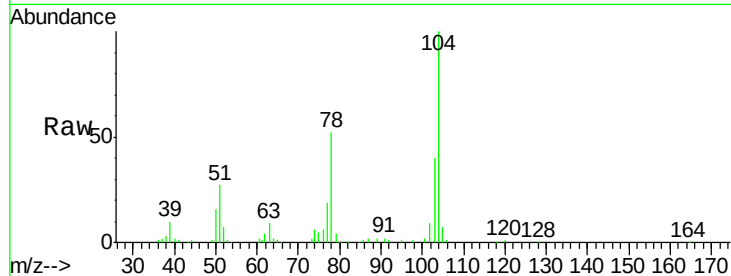




#61
Stvrene
Concen: 0.692 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

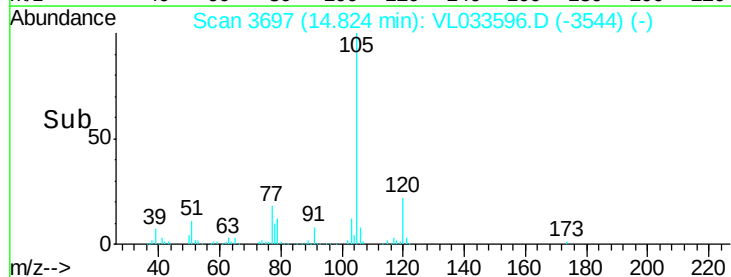
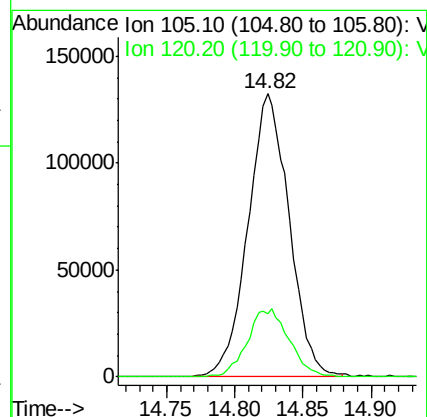
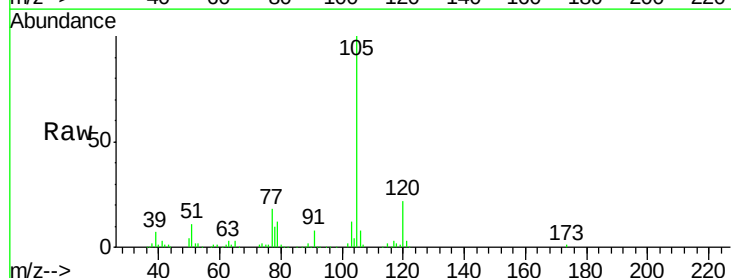
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

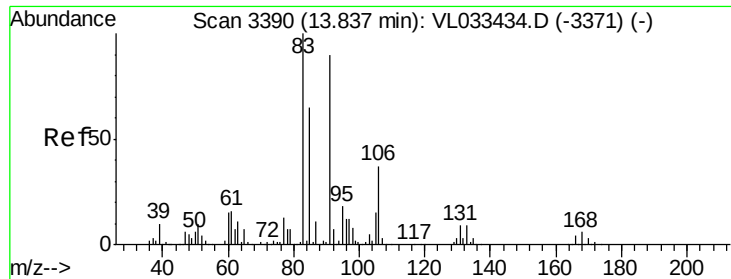
Tot Ion:104 Resp: 111960
Ion Ratio Lower Upper
104 100
78 55.2 43.2 64.8
103 48.0 37.8 56.8



#62
Isopropylbenzene
Concen: 0.831 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

Tgt Ion:105 Resp: 277374
Ion Ratio Lower Upper
105 100
120 24.3 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.930 ppbv

RT: 13.83 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

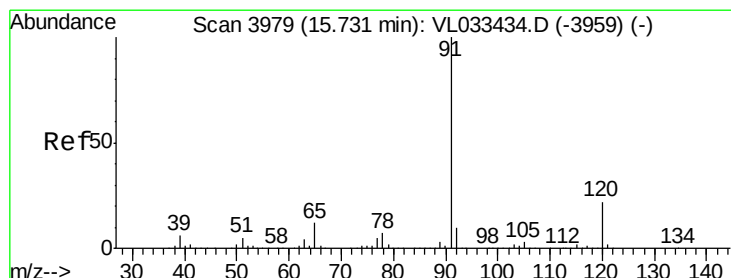
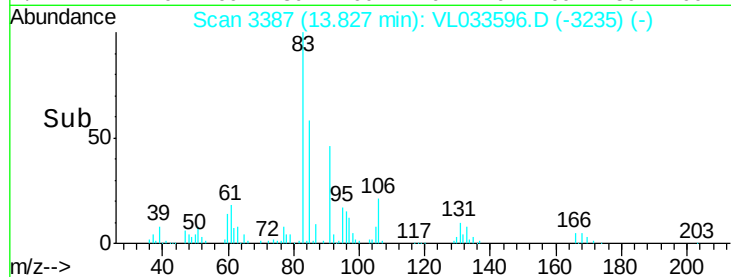
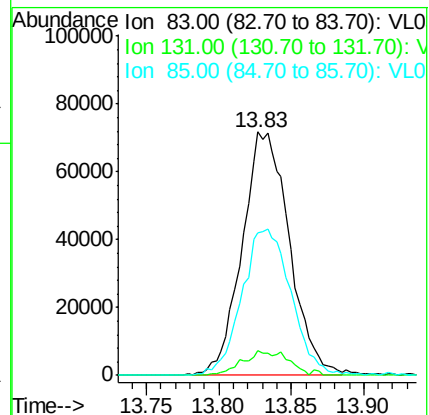
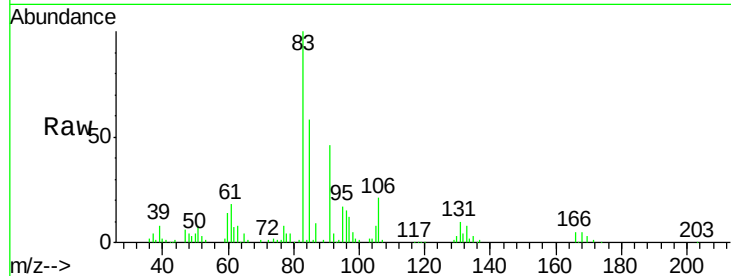
Tot Ion: 83 Resp: 161517

Ion Ratio Lower Upper

83 100

131 10.0 4.7 14.0

85 63.5 32.7 98.1



#64

n-propylbenzene

Concen: 0.815 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.01 min

Lab File: VL033596.D

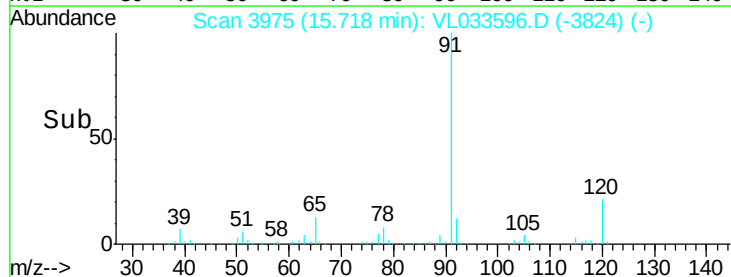
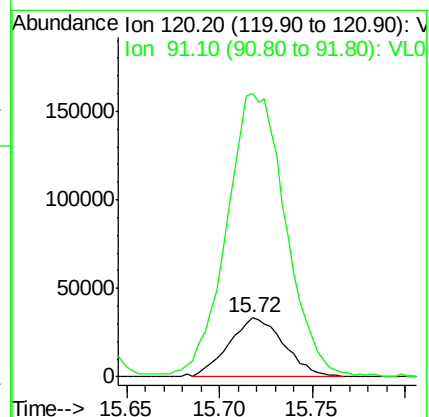
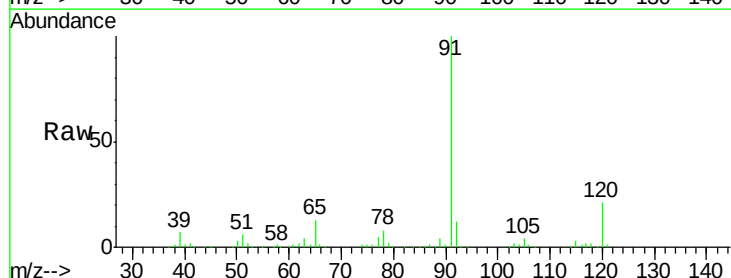
Acq: 16 Apr 2019 17:29

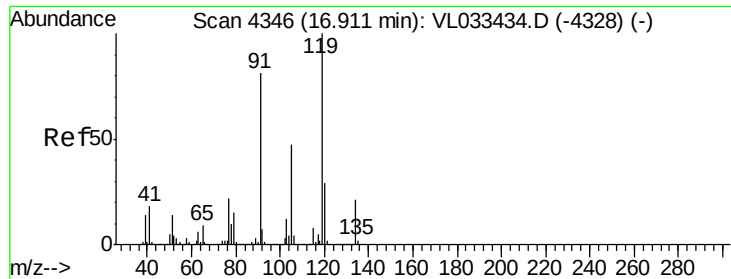
Tgt Ion: 120 Resp: 69005

Ion Ratio Lower Upper

120 100

91 518.0 387.4 581.2





#65

tert-Butylbenzene

Concen: 0.844 ppbv m

RT: 16.90 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

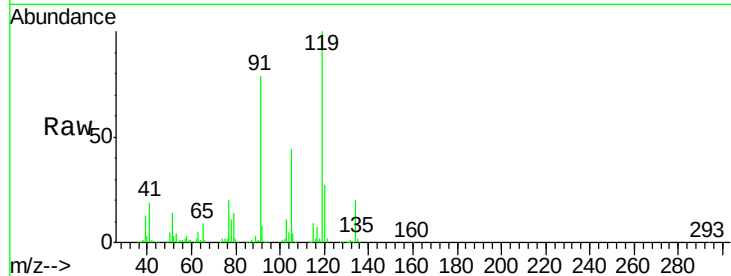
Tot Ion:119 Resp: 248250

Ion Ratio Lower Upper

119 100

91 86.5 66.4 99.6

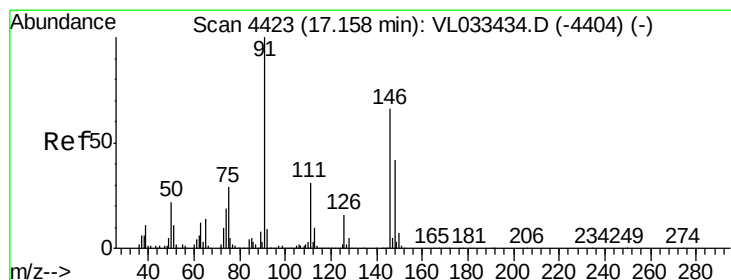
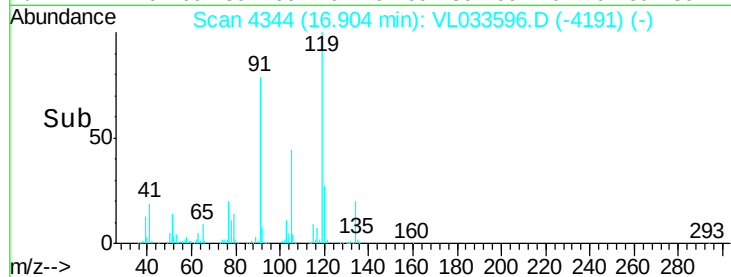
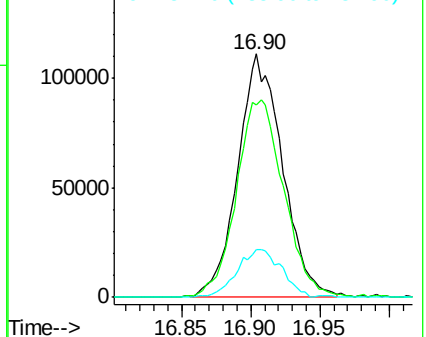
134 19.9 15.5 23.3



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: 0.712 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

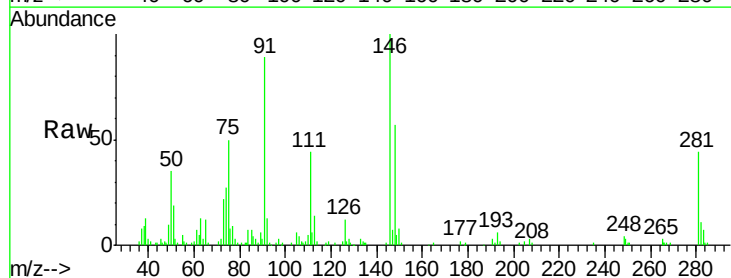
Tgt Ion: 91 Resp: 97467

Ion Ratio Lower Upper

91 100

126 15.3 13.0 19.6

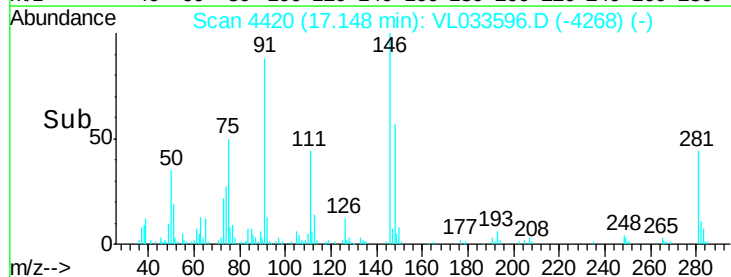
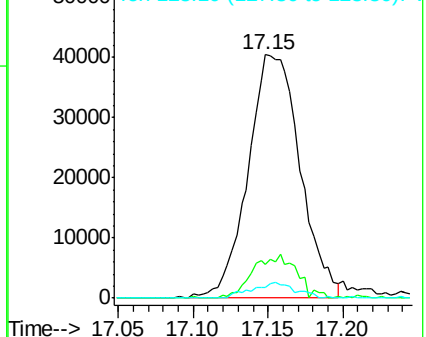
128 5.5 4.2 6.2

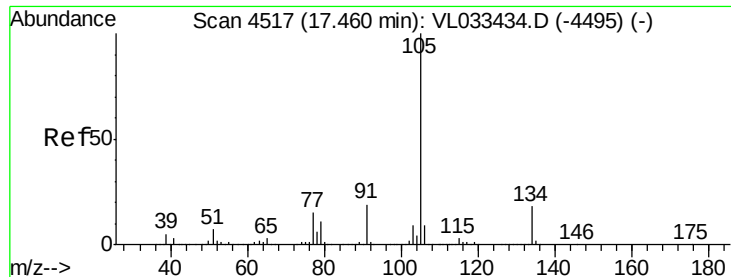


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.856 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

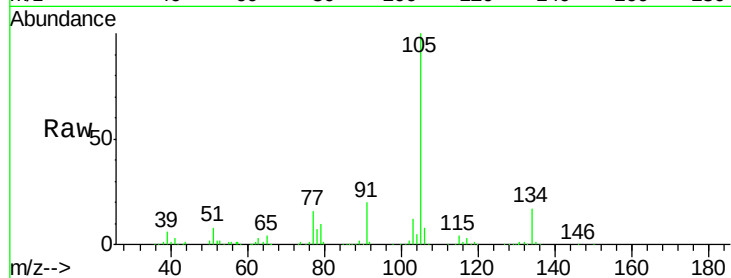
LOQ-AIR-02-QT2-2019

Tot Ion: 105 Resp: 358024

Ion Ratio Lower Upper

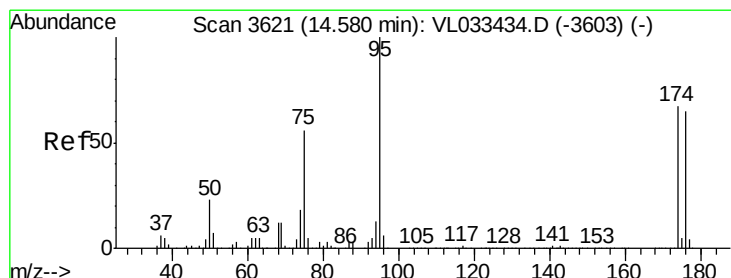
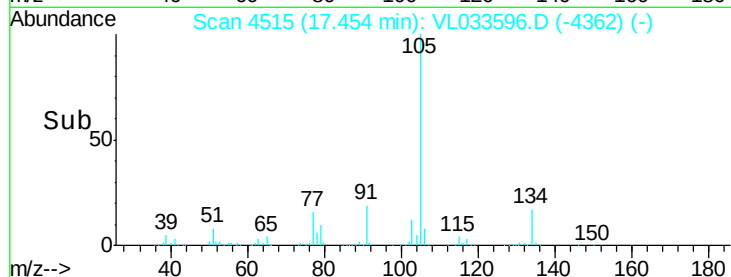
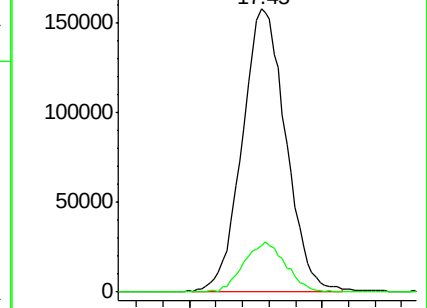
105 100

134 17.2 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.236 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

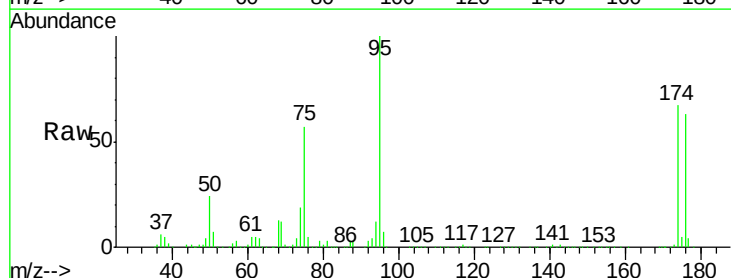
Tgt Ion: 95 Resp: 1640324

Ion Ratio Lower Upper

95 100

174 67.2 52.9 79.3

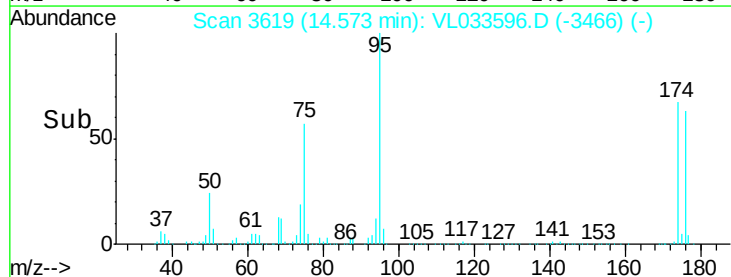
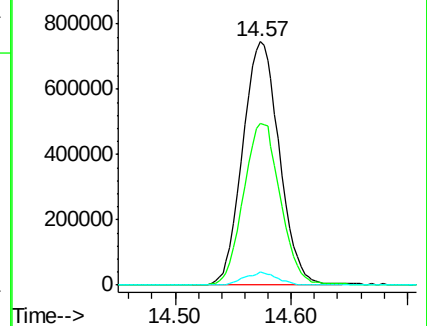
175 4.8 3.8 5.6

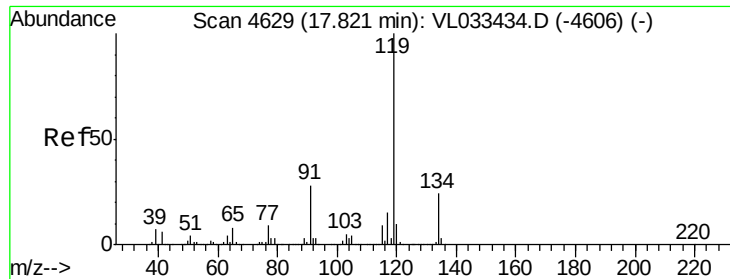


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

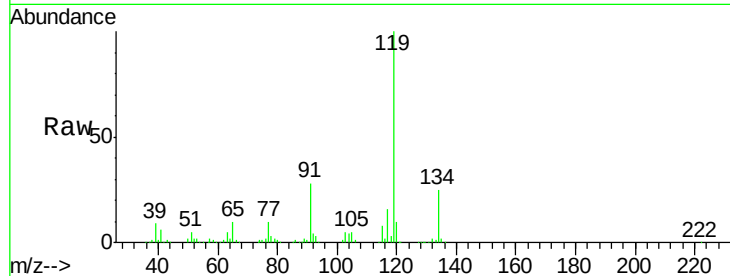




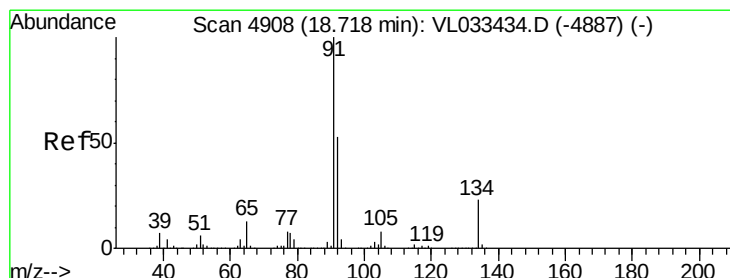
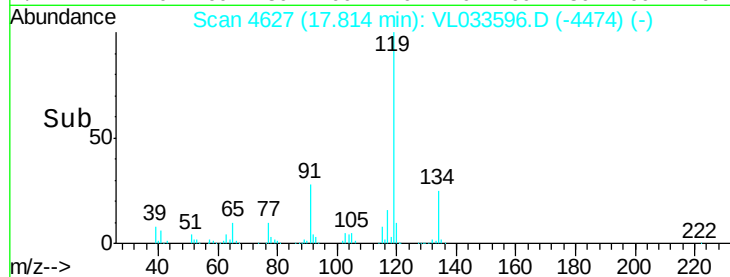
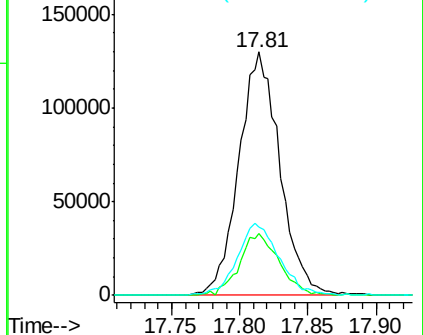
#69
 p-Isopropyltoluene
 Concen: 0.795 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	19.9	29.9
91	30.6	23.4	35.0

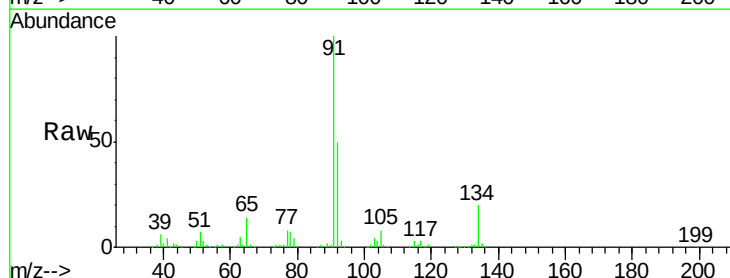


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

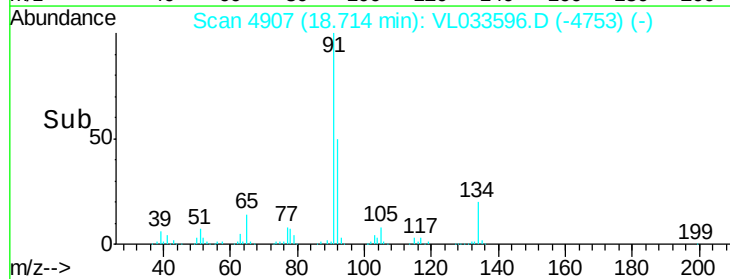
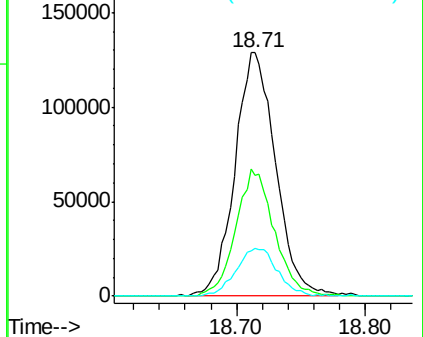


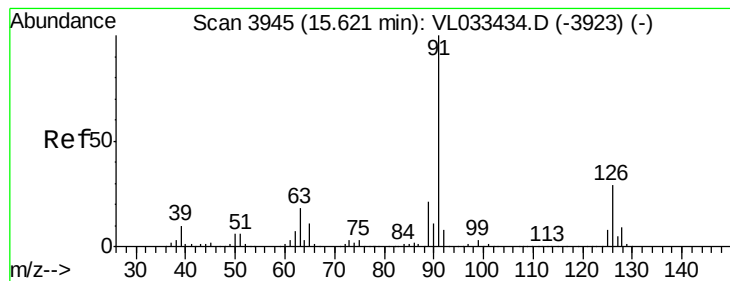
#70
 n-Butylbenzene
 Concen: 0.779 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.7	42.6	64.0
134	20.3	17.5	26.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.740 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

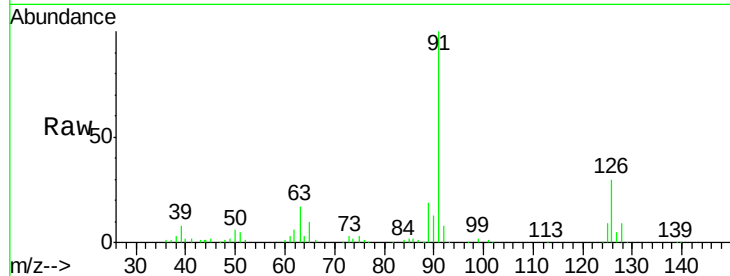
LOQ-AIR-02-QT2-2019

Tot Ion: 91 Resp: 187980

Ion Ratio Lower Upper

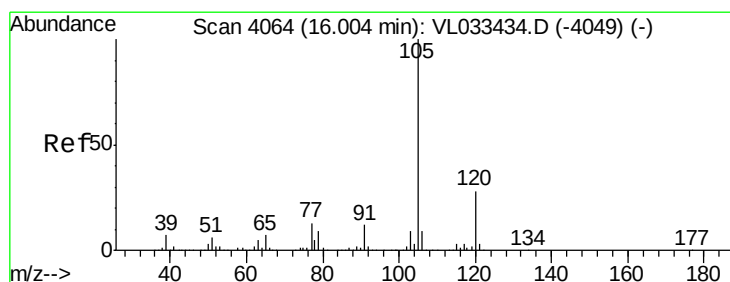
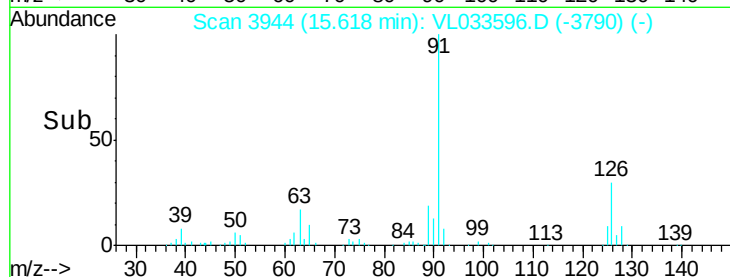
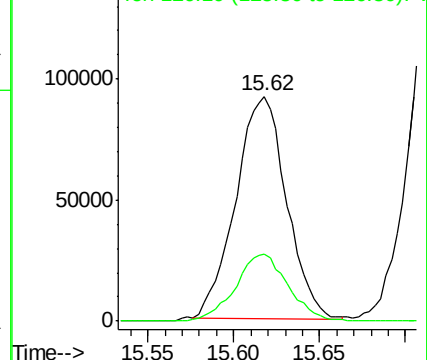
91 100

126 31.2 11.7 46.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.774 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Tgt Ion: 105 Resp: 205025

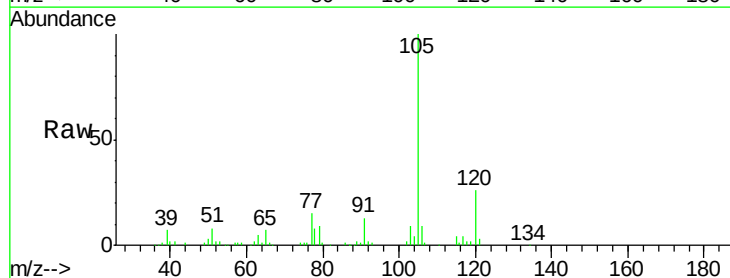
Ion Ratio Lower Upper

105 100

120 27.2 23.2 34.8

91 15.5 10.4 15.6

77 14.6 11.3 16.9

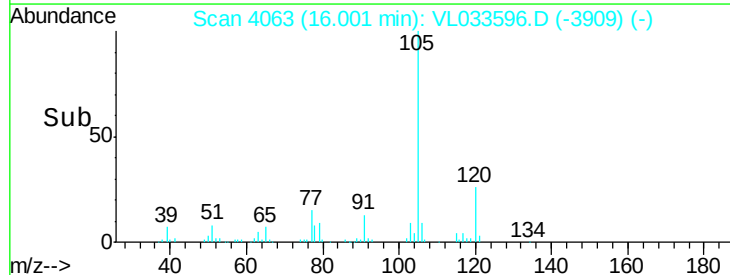
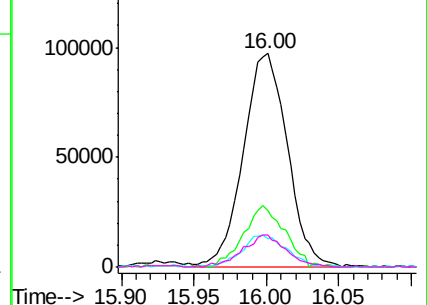


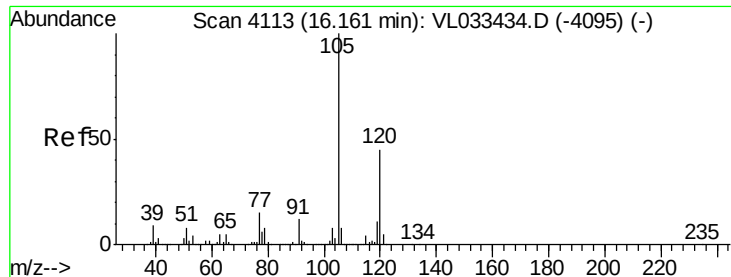
Abundance Ion 105.10 (104.80 to 105.80): V

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

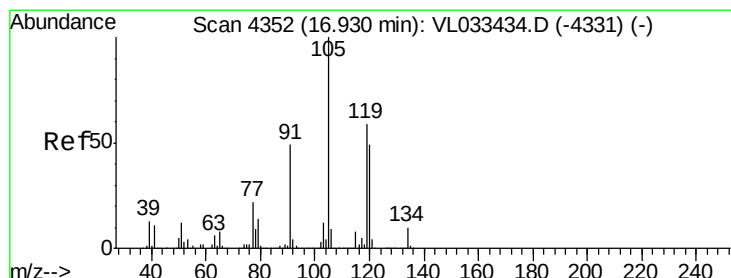
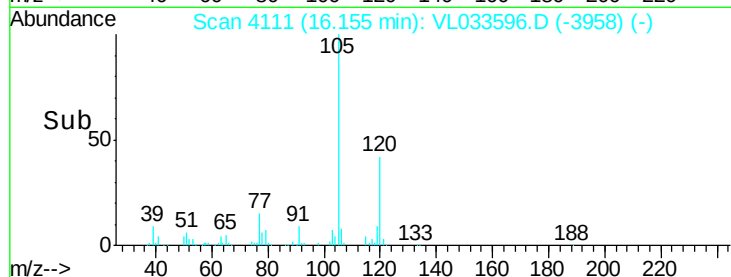
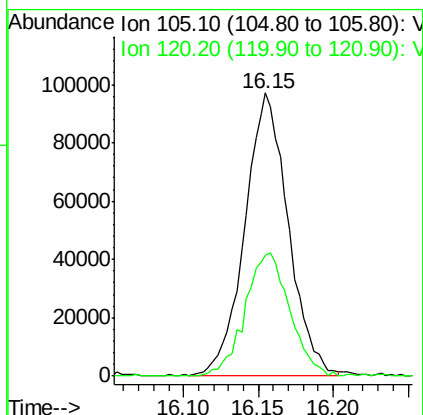
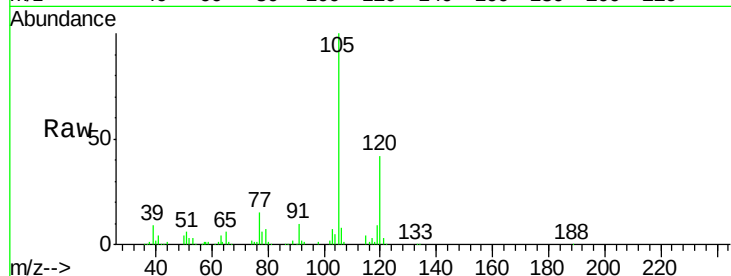




#73
 1,3,5-Trimethylbenzene
 Concen: 0.775 ppbv
 RT: 16.15 min Scan# 4111
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

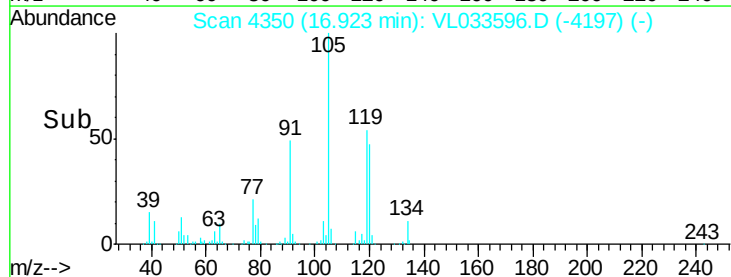
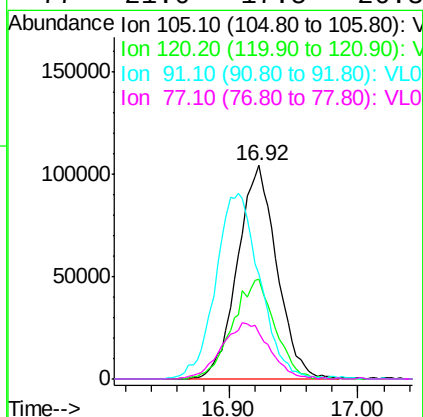
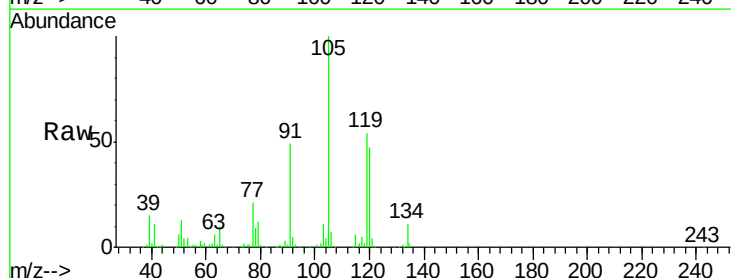
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

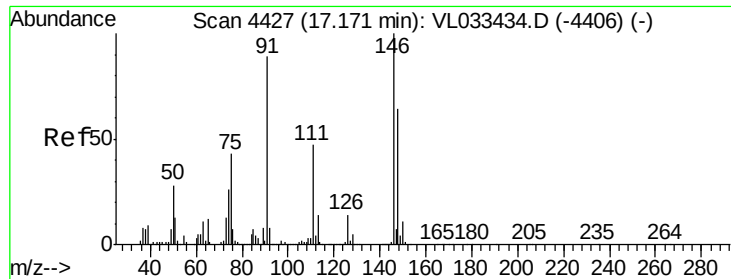
Tot Ion:105 Resp: 196598
 Ion Ratio Lower Upper
 105 100
 120 42.5 35.7 53.5



#74
 1,2,4-Trimethylbenzene
 Concen: 0.812 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion:105 Resp: 220755
 Ion Ratio Lower Upper
 105 100
 120 46.6 39.0 58.6
 91 48.7 40.0 60.0
 77 21.0 17.5 26.3

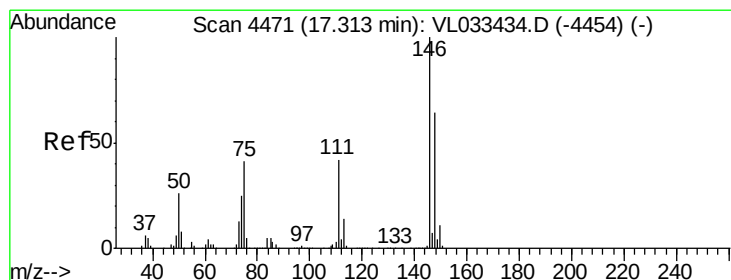
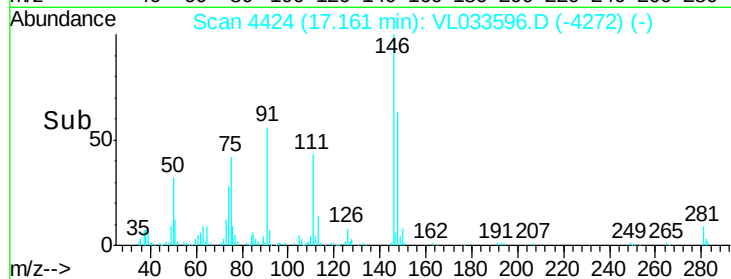
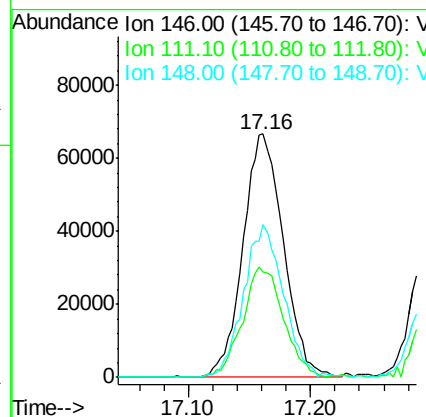
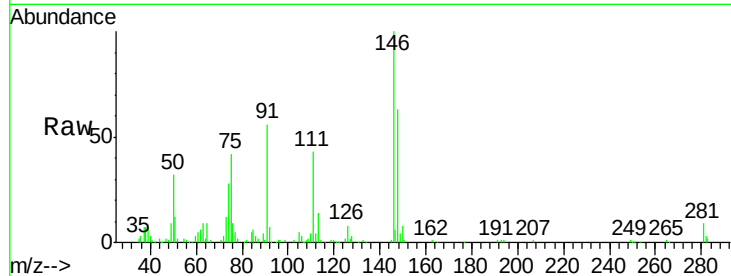




#75
 1,3-Dichlorobenzene
 Concen: 0.909 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

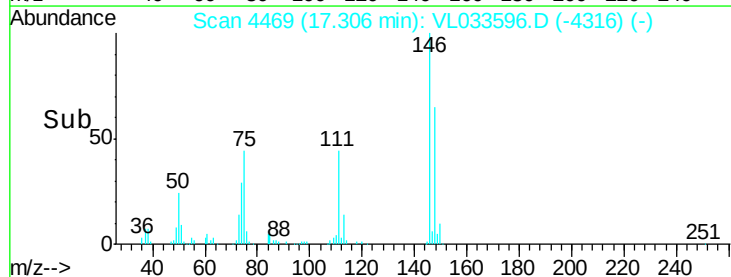
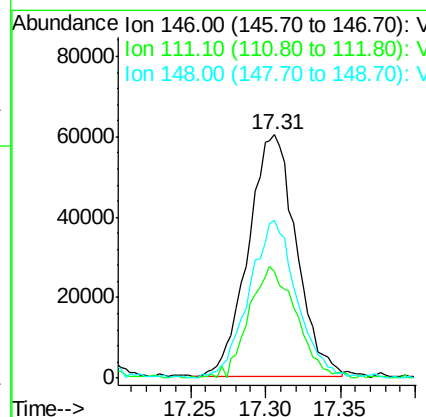
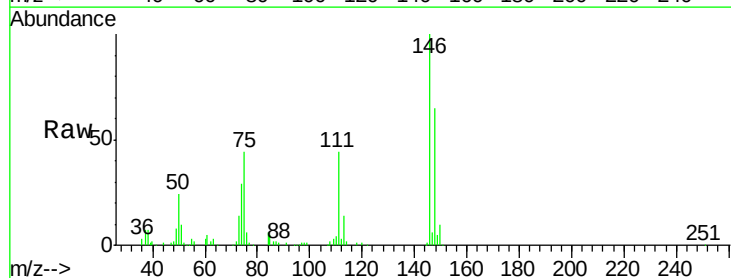
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

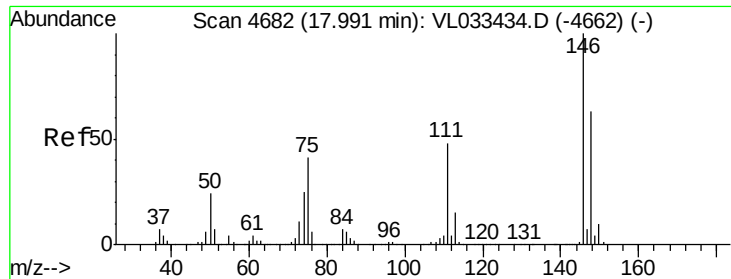
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.8
148	62.2	32.0	96.2



#76
 1,4-Dichlorobenzene
 Concen: 0.822 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.7	65.1
148	65.7	32.0	96.2

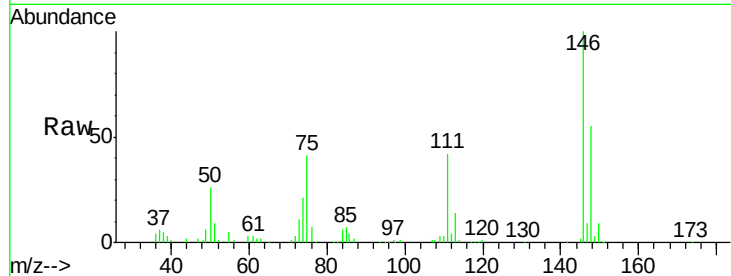




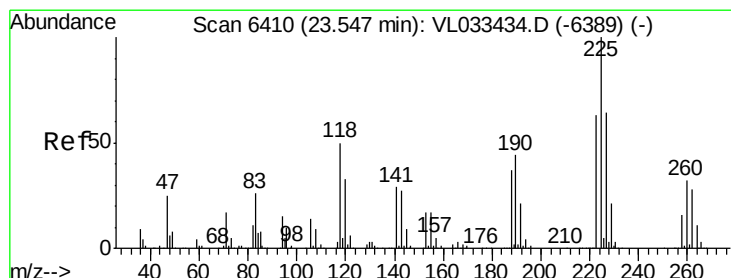
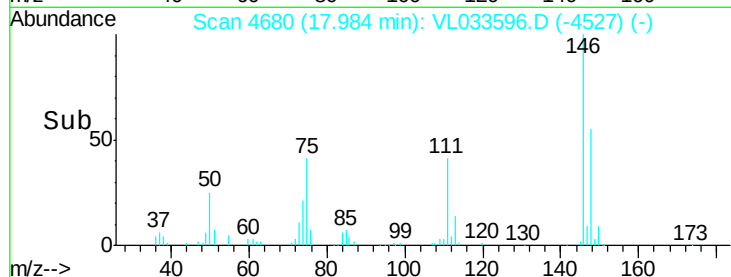
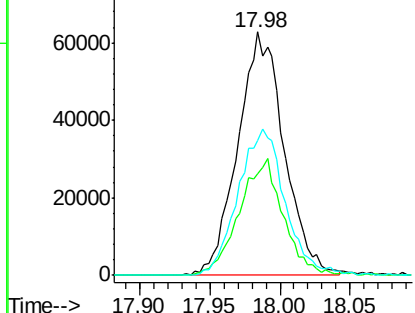
#77
 1,2-Dichlorobenzene
 Concen: 0.900 ppbv m
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

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

Tot Ion:146 Resp: 143523
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.5 70.5#
 148 0.0 32.0 96.0#

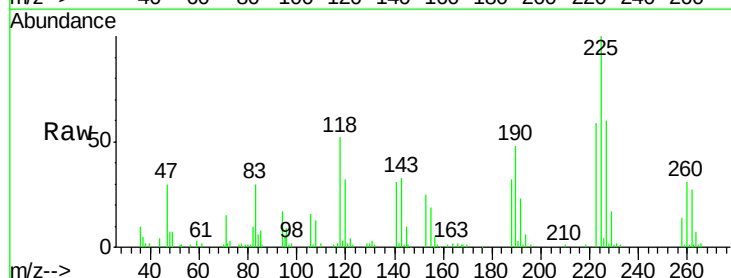


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

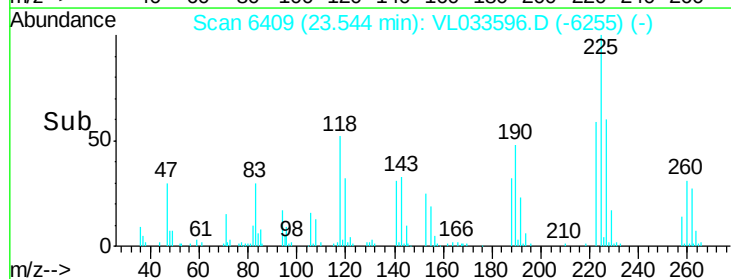
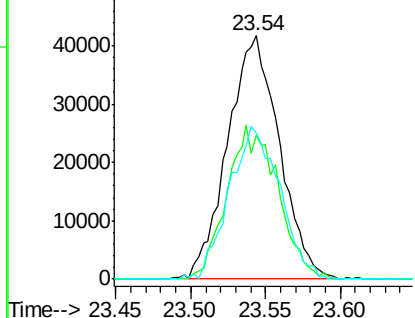


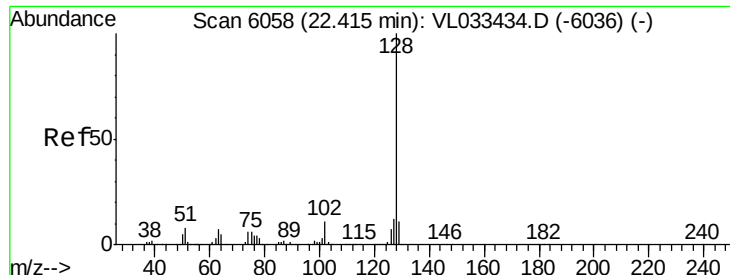
#78
 Hexachloro-1,3-Butadiene
 Concen: 0.950 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

Tgt Ion:225 Resp: 100278
 Ion Ratio Lower Upper
 225 100
 223 62.0 50.0 75.0
 227 61.5 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: 0.329 ppbv m

RT: 22.42 min Scan# 6061

Delta R.T. 0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

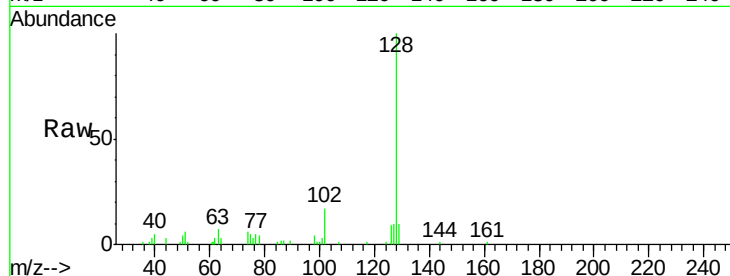
Tot Ion:128 Resp: 76508

Ion Ratio Lower Upper

128 100

127 10.2 9.8 14.8

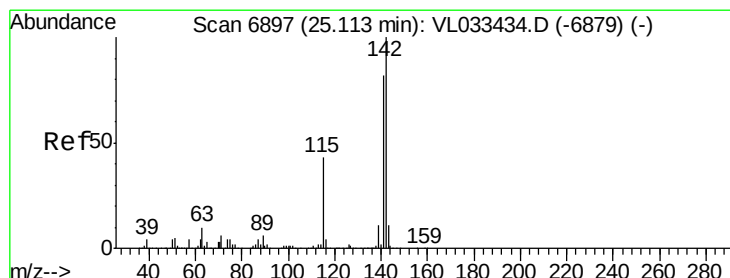
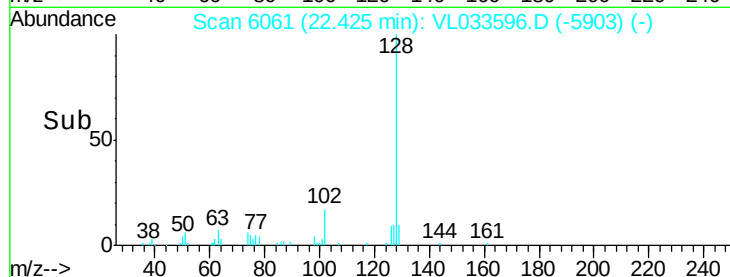
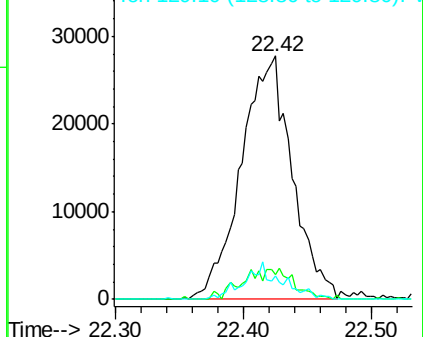
129 9.7 8.6 12.8



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: 0.052 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.00 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

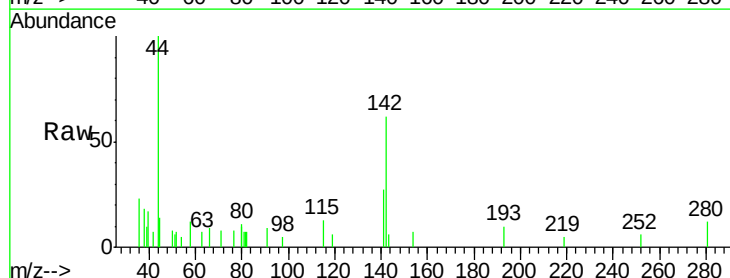
Tgt Ion:142 Resp: 4076

Ion Ratio Lower Upper

142 100

141 90.2 66.6 99.8

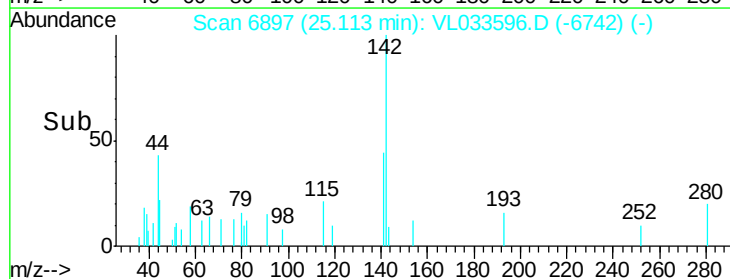
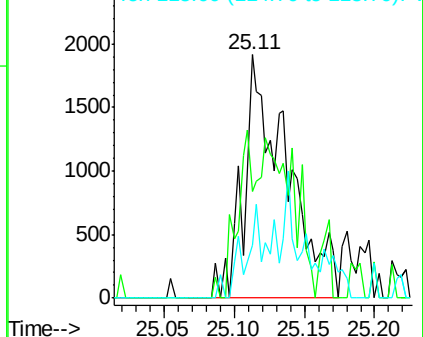
115 46.9 34.4 51.6

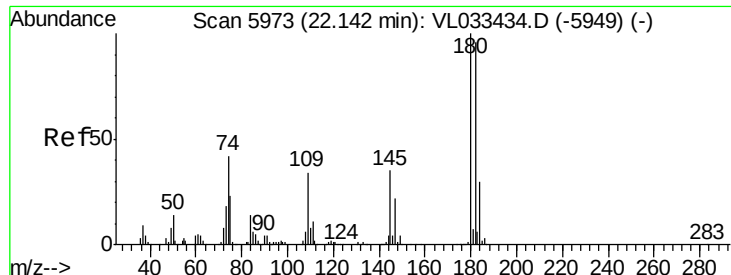


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.499 ppbv

RT: 22.13 min Scan# 5970

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Tot Ion:180 Resp: 64468

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

184 31.3 24.6 36.8

