

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 05:54:35 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

						Qvalue
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	6199	0.596	ppbv	64
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	4.34	59	721	0.039	ppbv #	73
18) 1,1-Dichloroethene	4.35	96	40258	0.935	ppbv	95
19) Isopropyl Alcohol	4.03	45	34694	0.549	ppbv #	78
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	31477	0.471	ppbv	94
39) 1,2-Dichloropropane	7.73	63	36557	0.525	ppbv	93
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

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

Quant Time: Apr 17 05:54:35 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

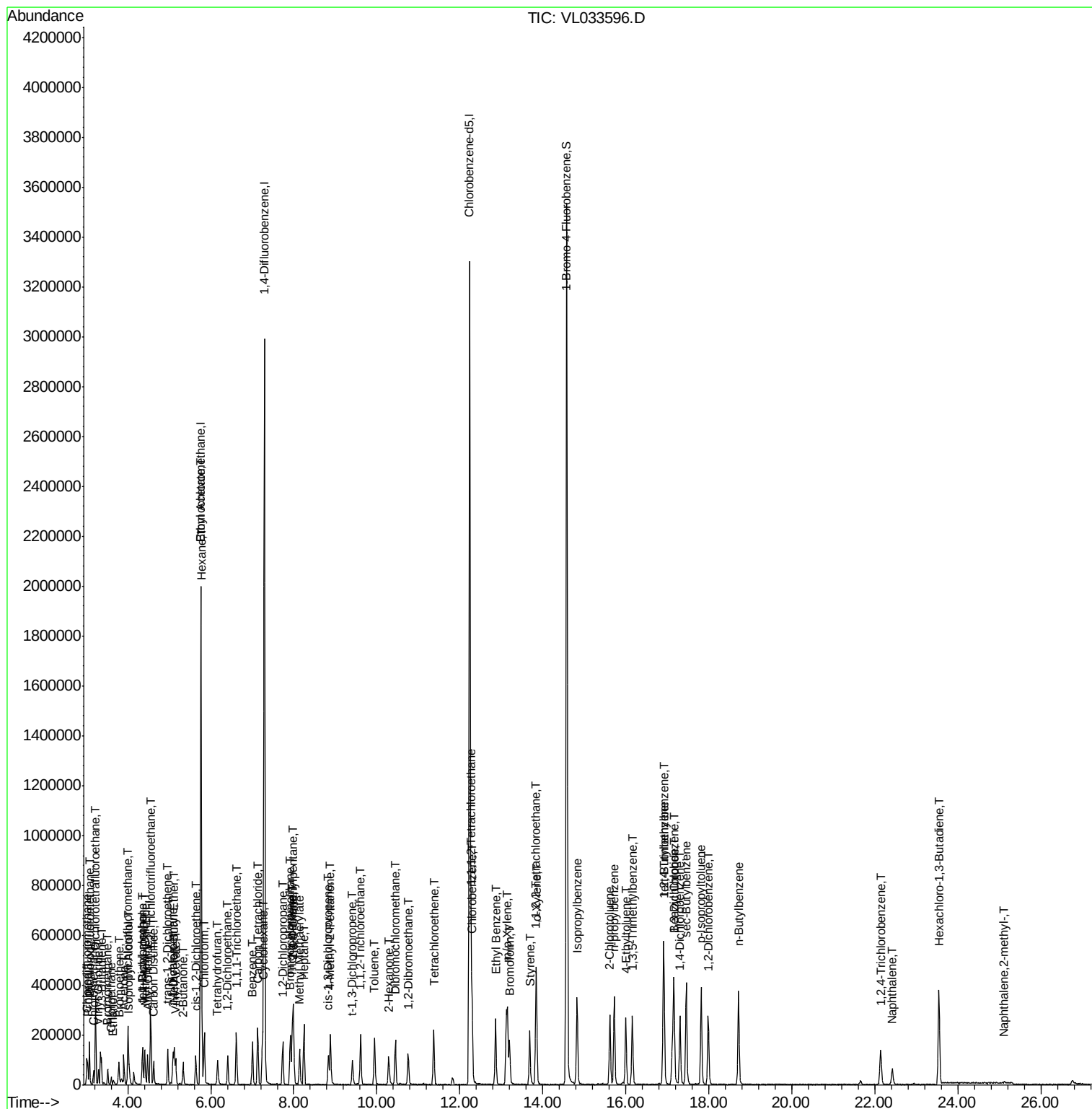
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	251380	0.810	ppbv	96
45) t-1,3-Dichloropropene	9.42	75	26630	0.301	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	65928	0.637	ppbv	90
47) 1,1,2-Trichloroethane	9.61	97	65933	0.834	ppbv	91
48) Dibromochloromethane	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	13.15	91	147103	0.603	ppbv #	100
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	134852	0.458	ppbv #	24
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	80583	0.506	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.54	225	100278	0.950	ppbv	98
79) Naphthalene	22.41	128	36479	0.157	ppbv	99
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

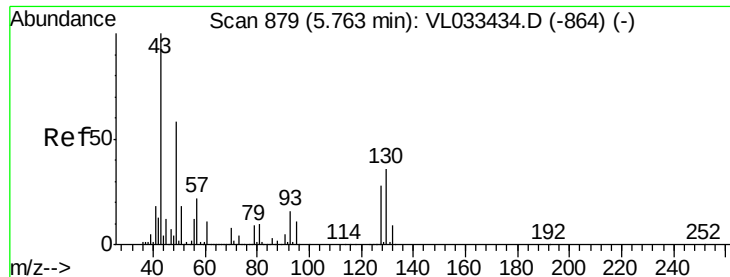
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

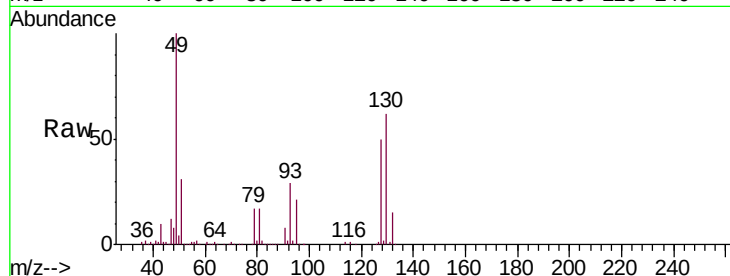
Tgt Ion: 49 Resp: 830703

Ion Ratio Lower Upper

49 100

128 49.3 24.0 72.0

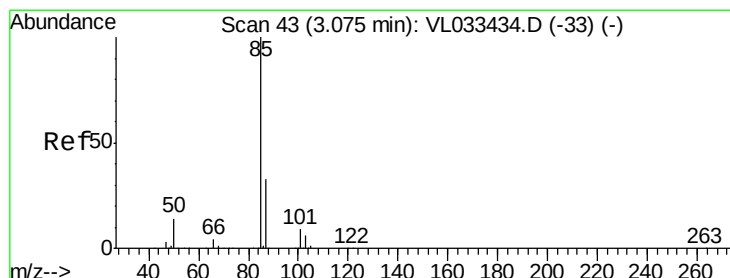
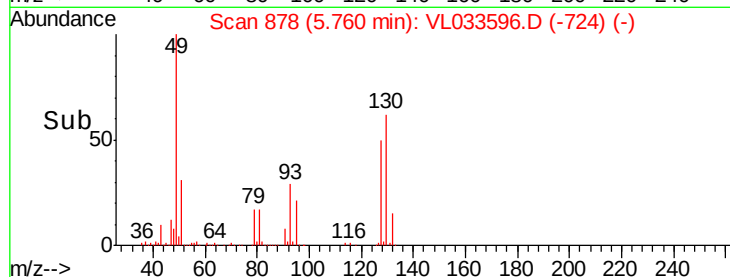
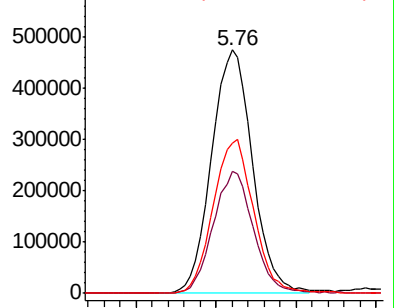
130 63.0 31.2 93.6



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



#2

Dichlorodifluoromethane

Concen: 1.018 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033596.D

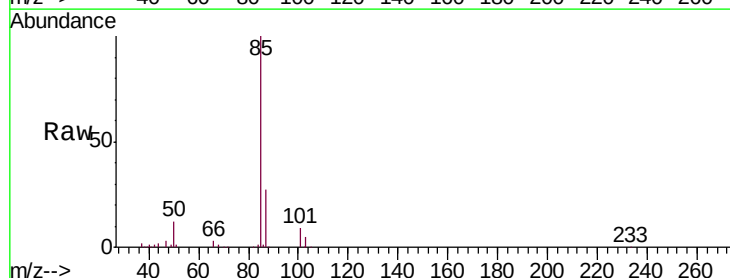
Acq: 16 Apr 2019 17:29

Tgt Ion: 85 Resp: 123291

Ion Ratio Lower Upper

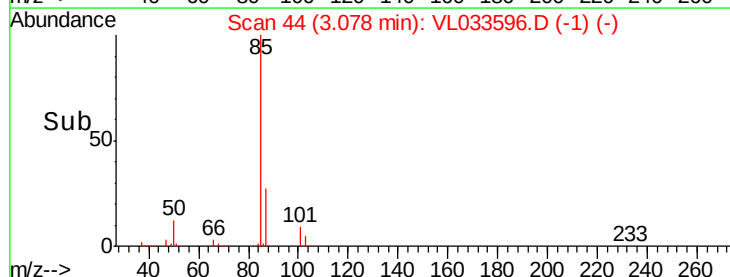
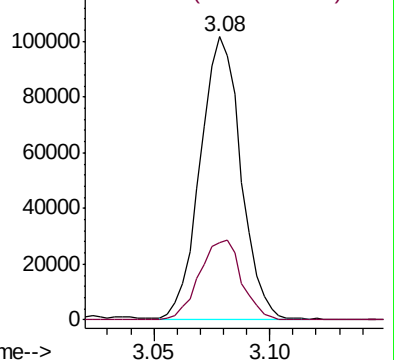
85 100

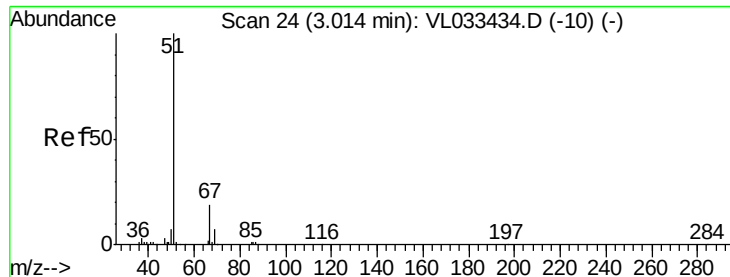
87 27.2 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#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 :

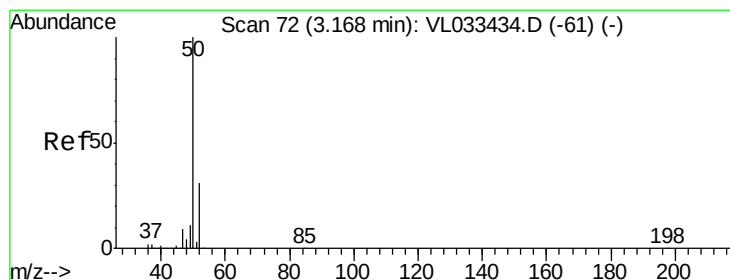
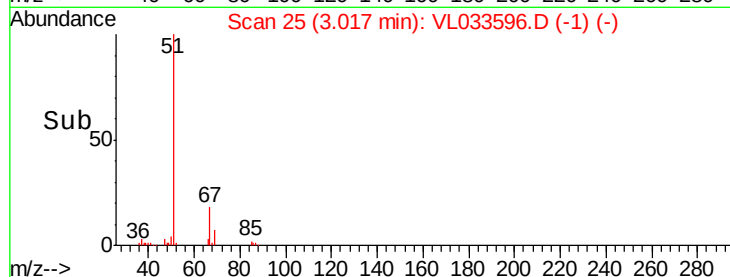
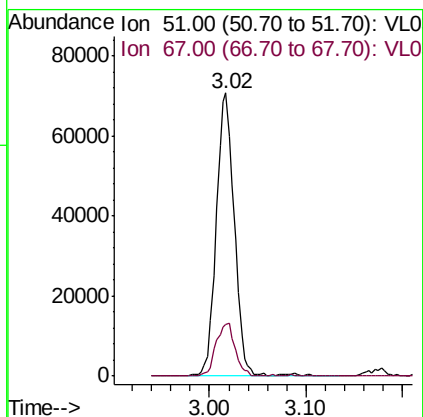
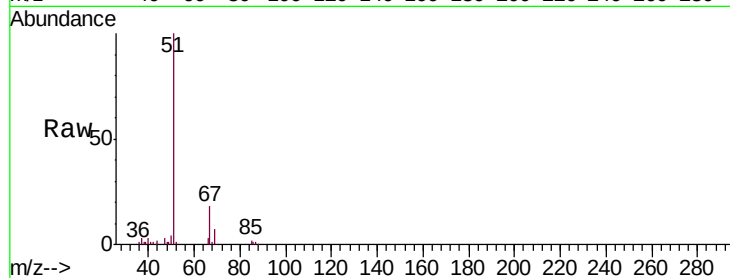
LOQ-AIR-02-QT2-2019

Tgt 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

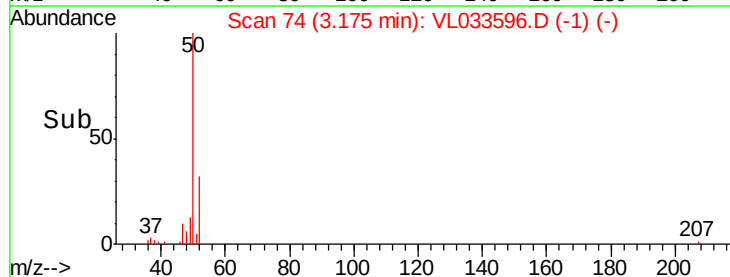
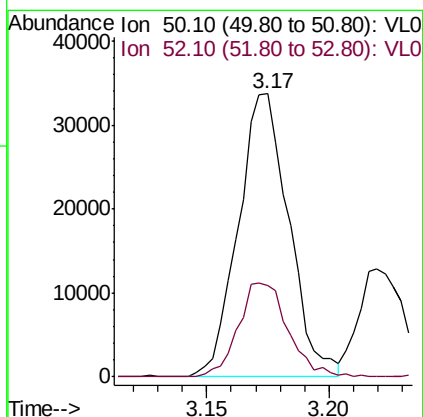
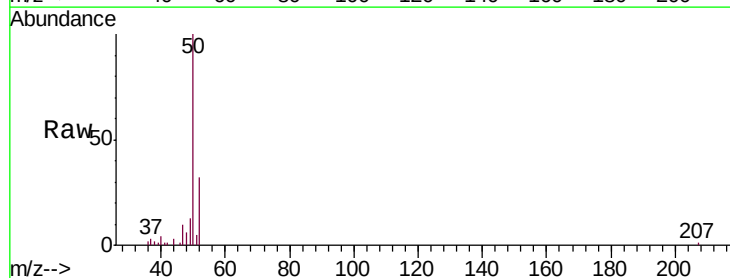
Acq: 16 Apr 2019 17:29

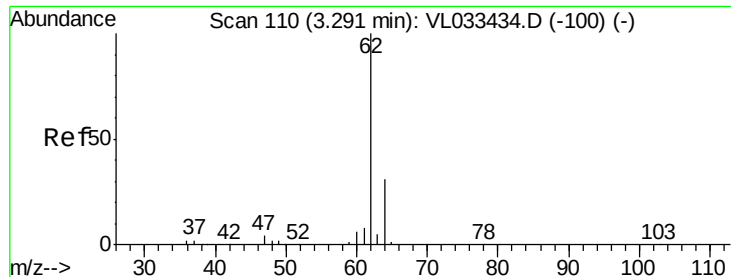
Tgt Ion: 50 Resp: 48506

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 :

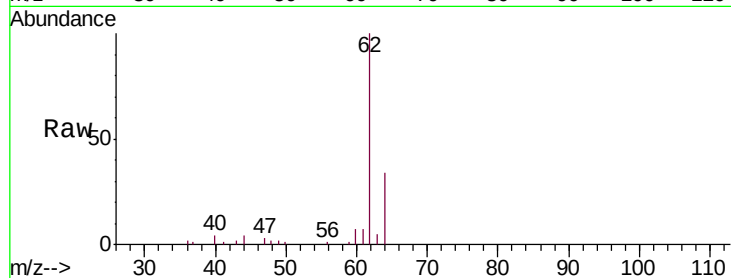
LOQ-AIR-02-QT2-2019

Tgt Ion: 62 Resp: 46845

Ion Ratio Lower Upper

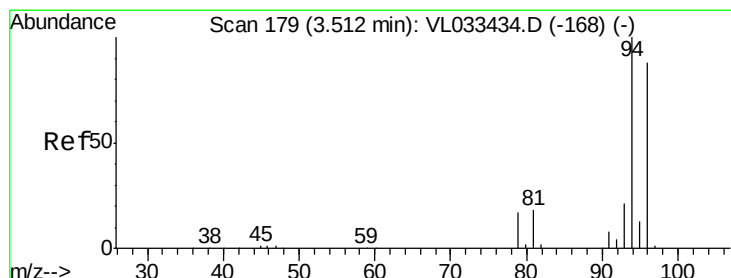
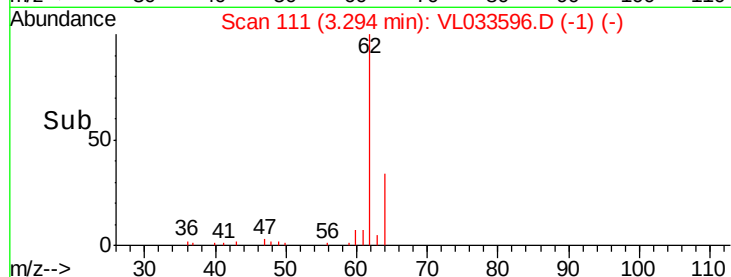
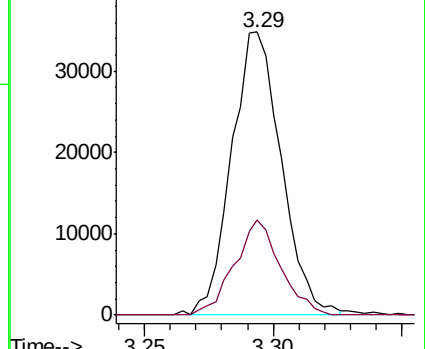
62 100

64 33.6 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: 0.959 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033596.D

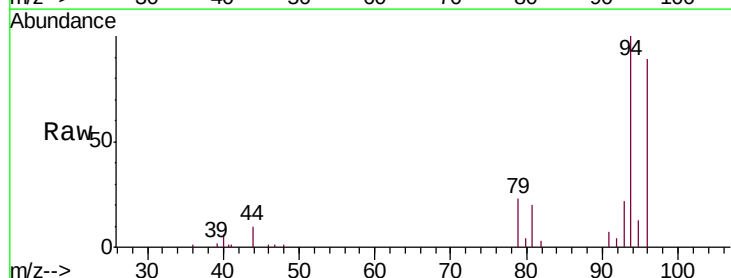
Acq: 16 Apr 2019 17:29

Tgt Ion: 94 Resp: 30648

Ion Ratio Lower Upper

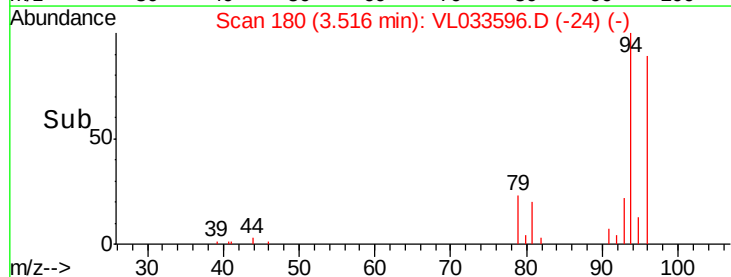
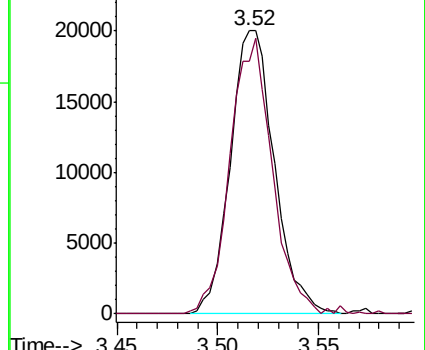
94 100

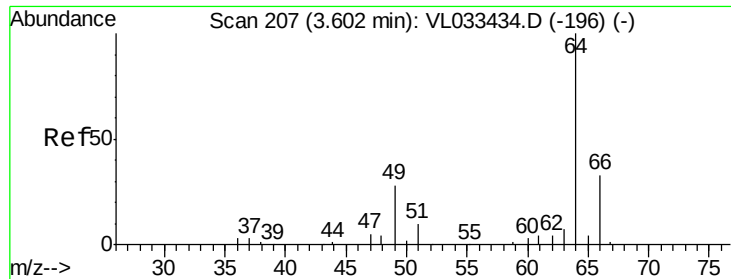
96 88.0 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.922 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033596.D

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ClientSampleId :

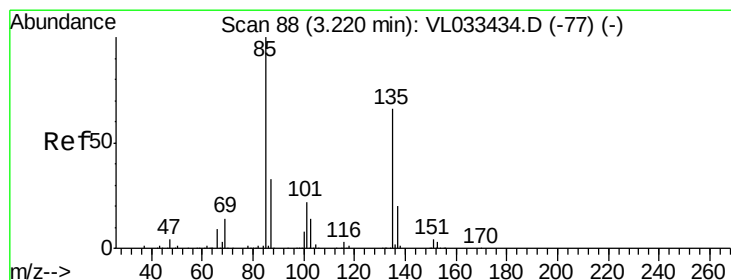
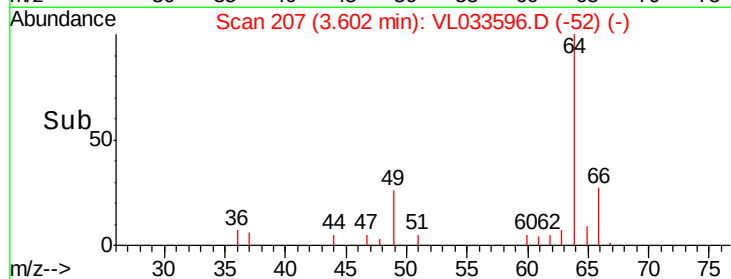
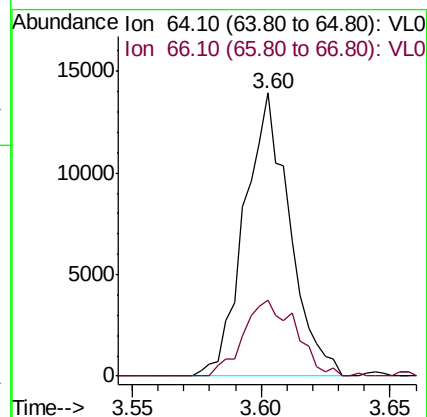
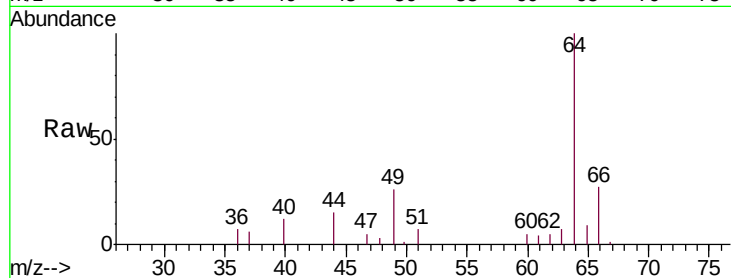
LOQ-AIR-02-QT2-2019

Tgt 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

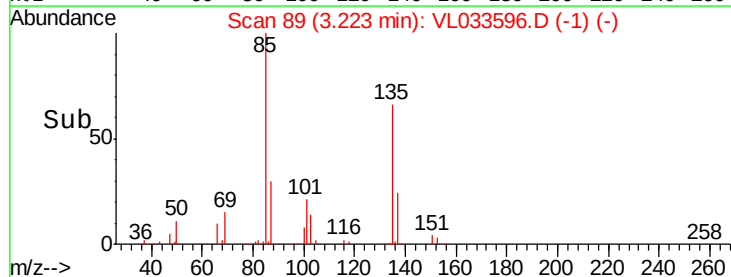
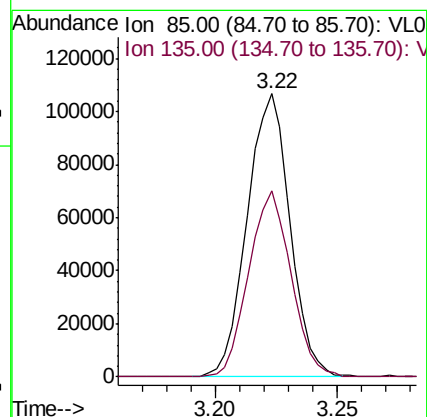
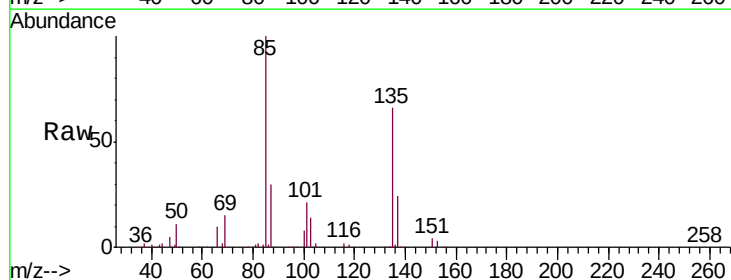
Acq: 16 Apr 2019 17:29

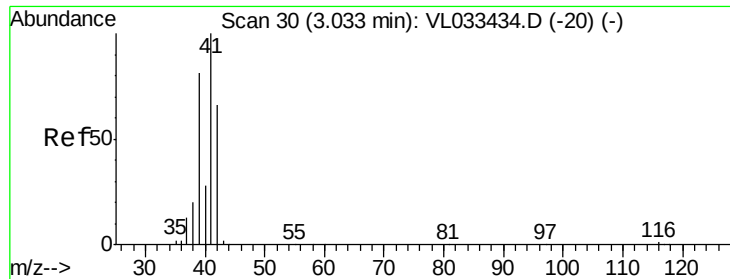
Tgt Ion: 85 Resp: 129466

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

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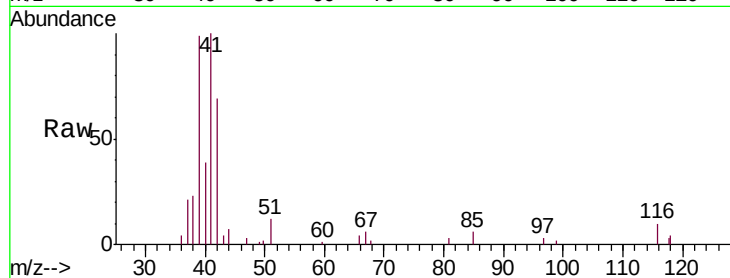
LOQ-AIR-02-QT2-2019

Tgt Ion: 41 Resp: 31244

Ion Ratio Lower Upper

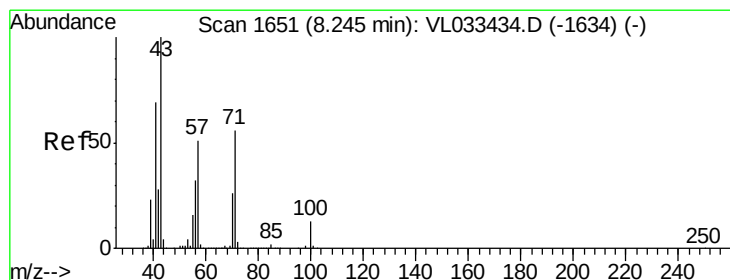
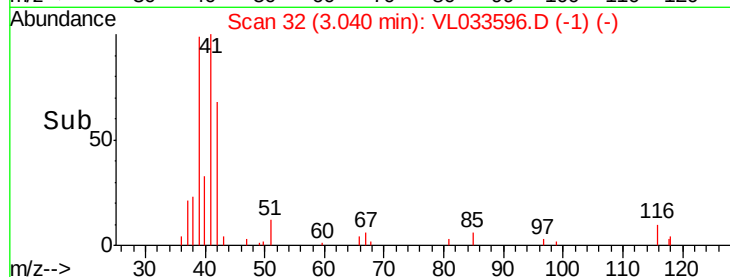
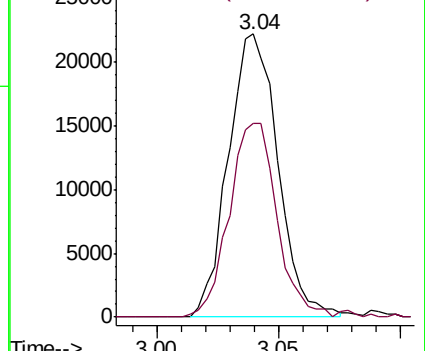
41 100

42 66.9 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: 0.810 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033596.D

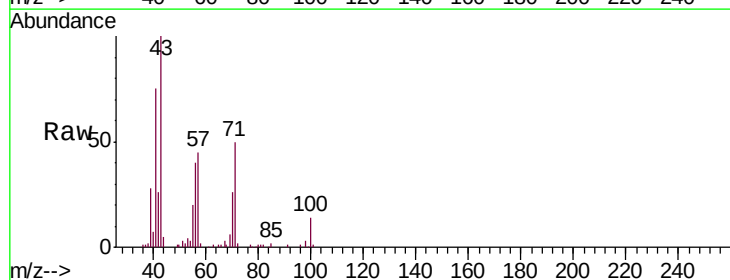
Acq: 16 Apr 2019 17:29

Tgt Ion: 43 Resp: 86995

Ion Ratio Lower Upper

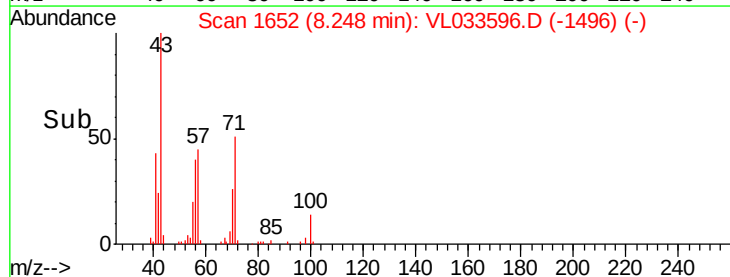
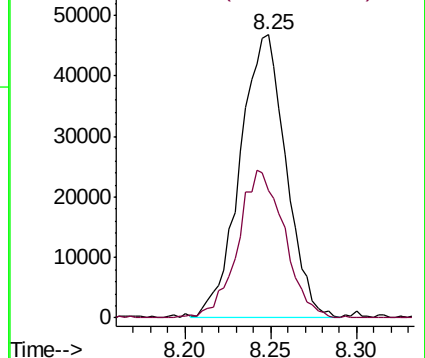
43 100

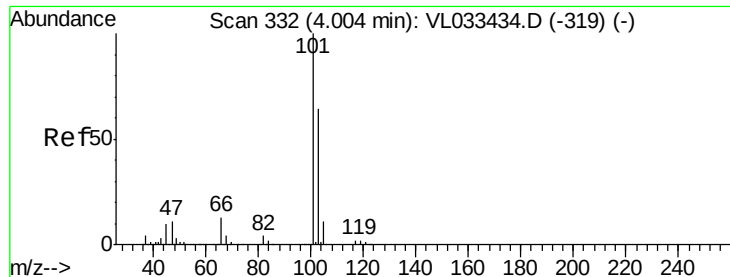
57 52.4 40.6 60.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

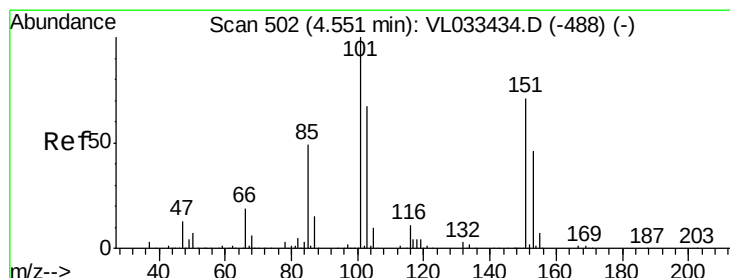
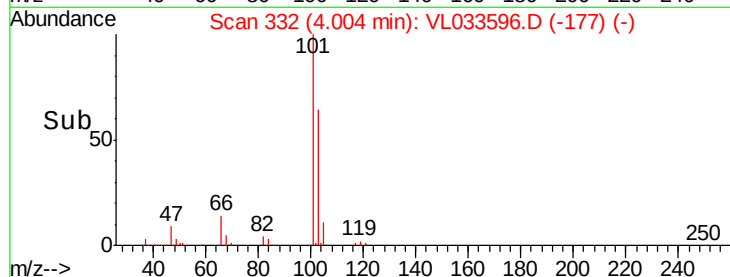
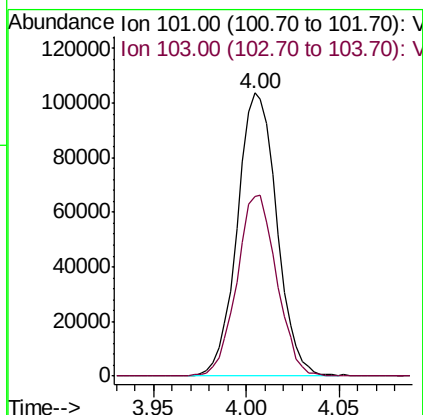
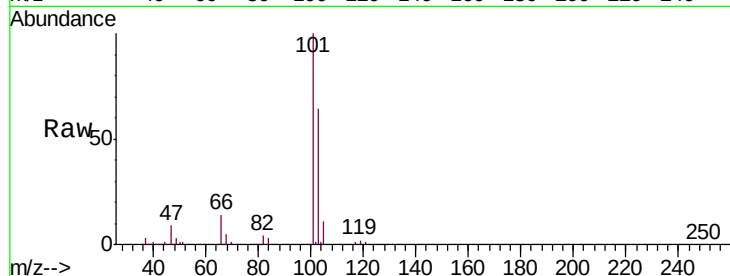




#11
 Trichlorofluoromethane
 Concen: 1.027 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

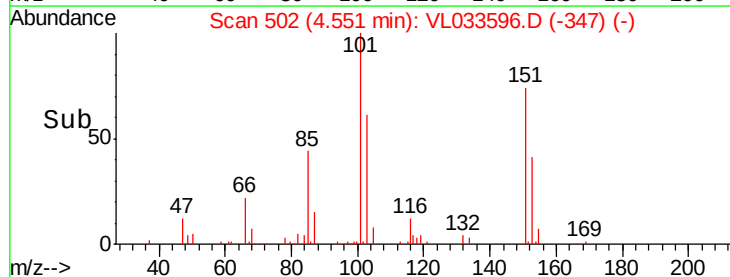
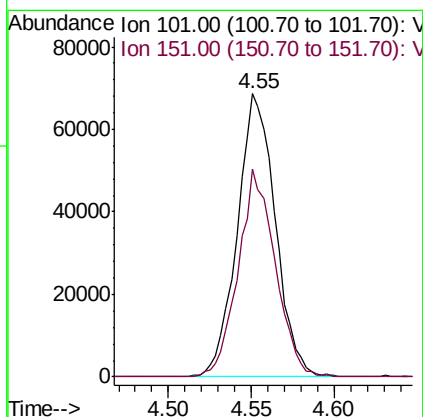
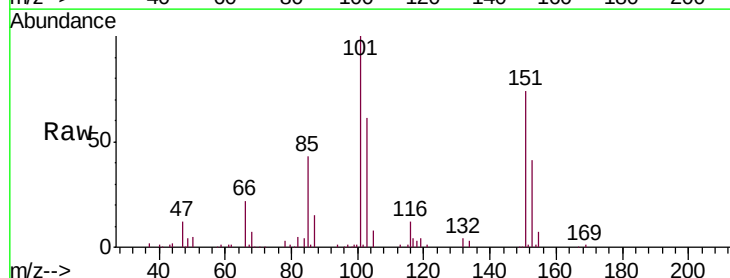
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

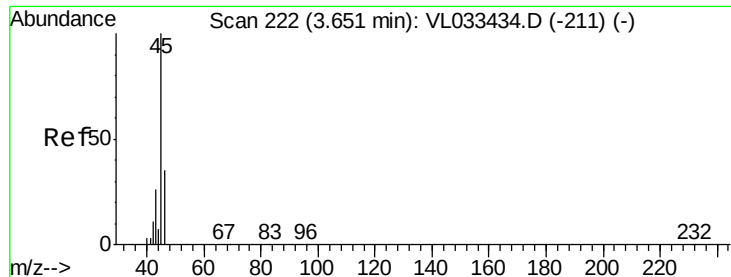
Tgt Ion:101 Resp: 153276
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.3 76.9



#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





#13

Ethanol

Concen: 0.596 ppbv

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 :

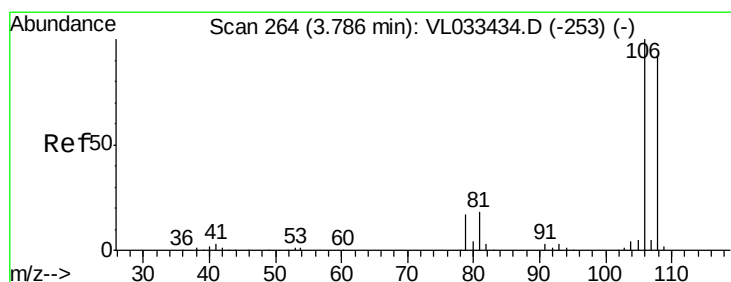
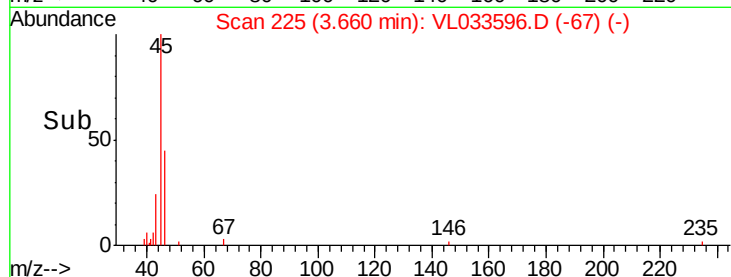
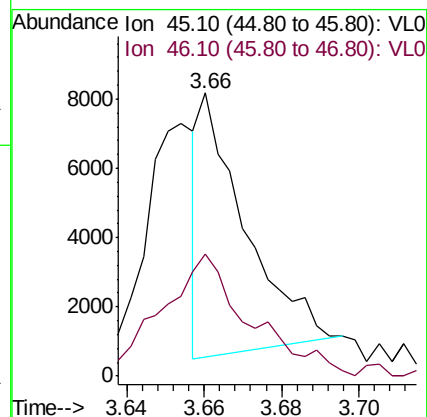
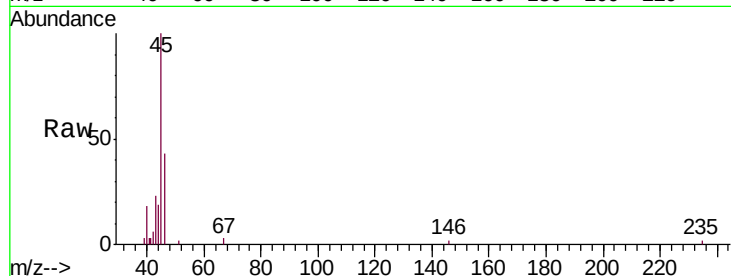
LOQ-AIR-02-QT2-2019

Tgt Ion: 45 Resp: 6199

Ion Ratio Lower Upper

45 100

46 91.8 25.4 101.8



#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

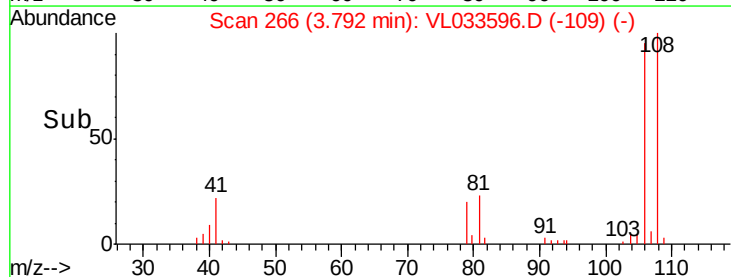
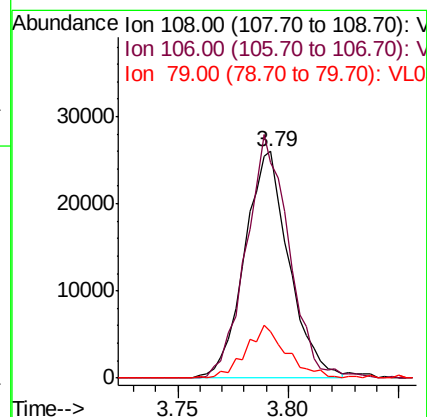
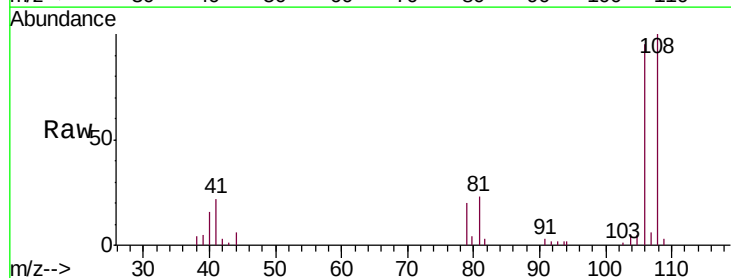
Tgt Ion: 108 Resp: 36315

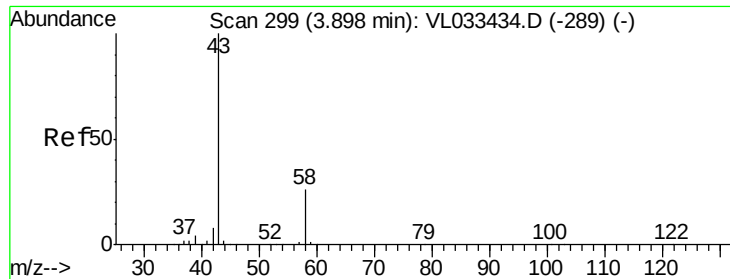
Ion Ratio Lower Upper

108 100

106 104.1 86.4 129.6

79 21.5 15.8 23.8





#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 :

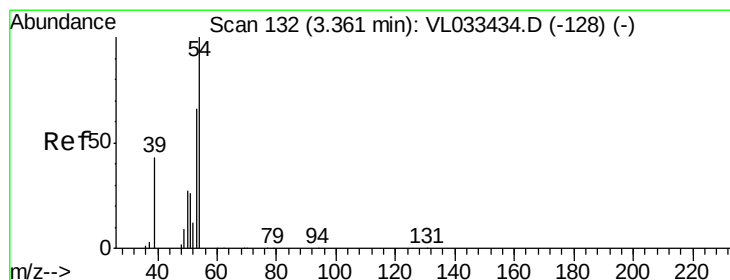
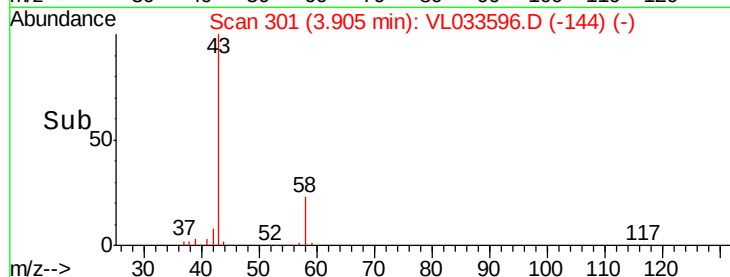
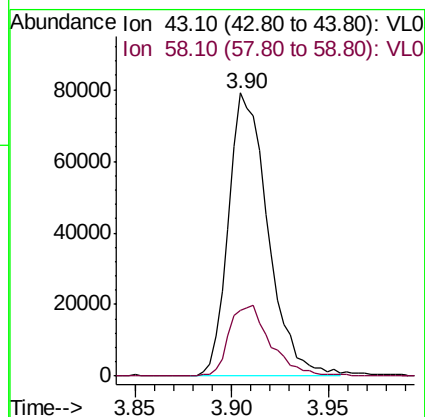
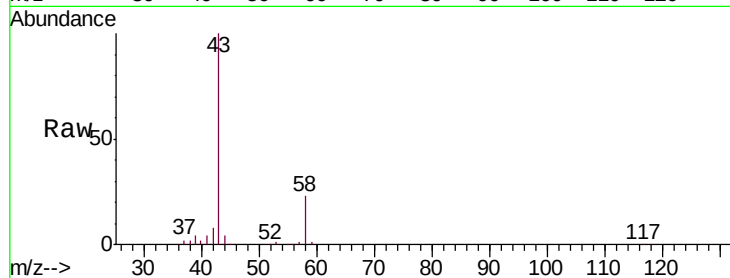
LOQ-AIR-02-QT2-2019

Tgt 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

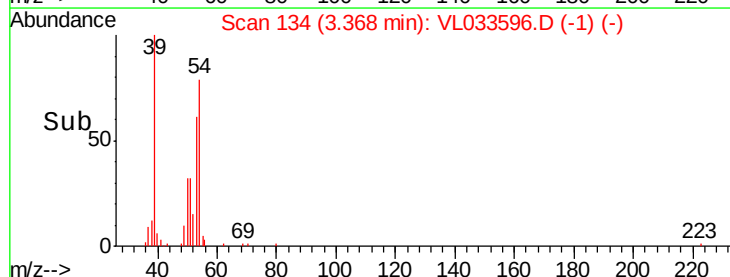
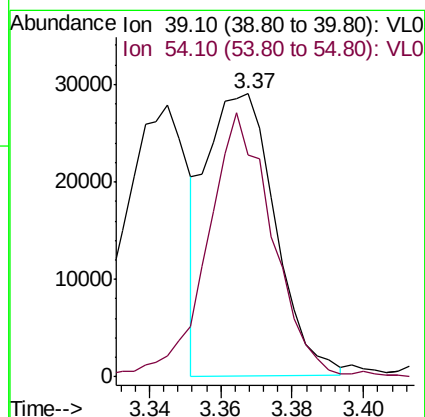
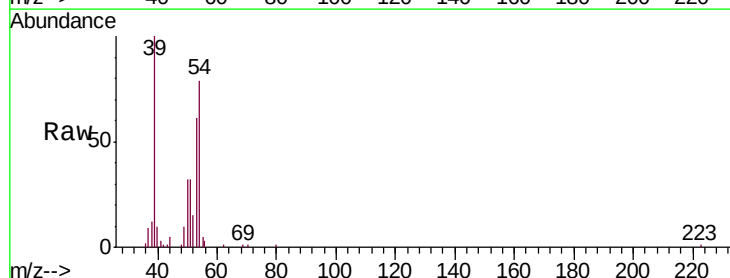
Acq: 16 Apr 2019 17:29

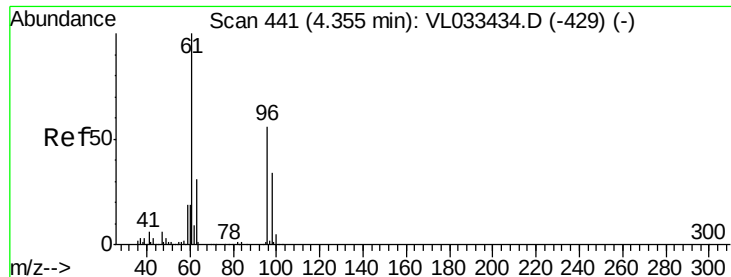
Tgt Ion: 39 Resp: 38390

Ion Ratio Lower Upper

39 100

54 89.9 69.4 104.2





#17

tert-Butyl alcohol

Concen: 0.039 ppbv

RT: 4.34 min Scan# 437

Delta R.T. -0.01 min

Lab File: VL033596.D

Acq: 16 Apr 2019 17:29

Instrument :

MSVOA_L

ClientSampleId :

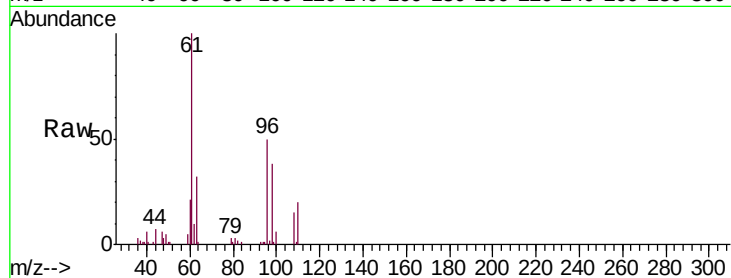
LOQ-AIR-02-QT2-2019

Tgt Ion: 59 Resp: 721

Ion Ratio Lower Upper

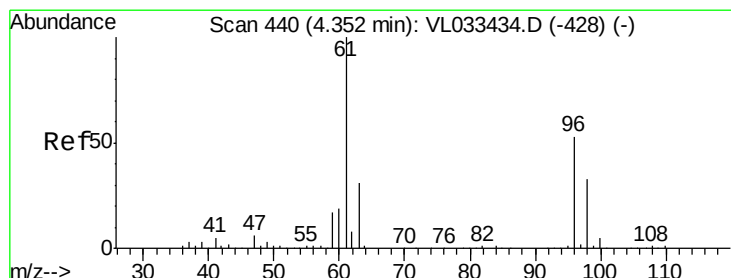
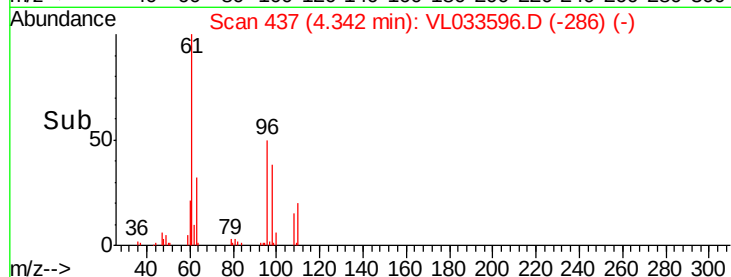
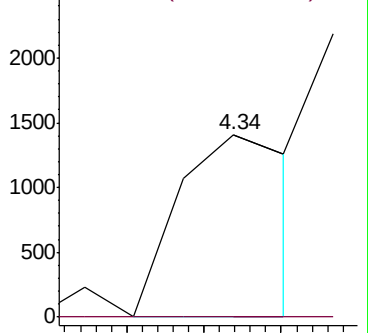
59 100

57 0.0 7.8 11.8#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#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

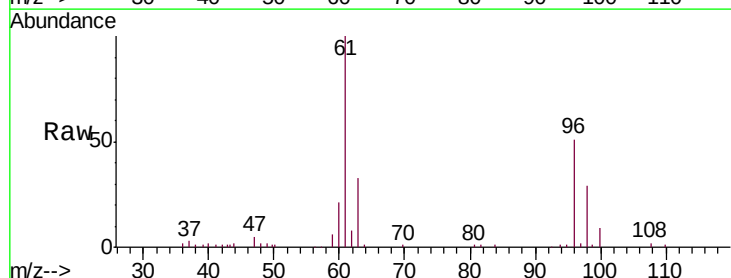
Tgt Ion: 96 Resp: 40258

Ion Ratio Lower Upper

96 100

61 195.6 149.8 224.6

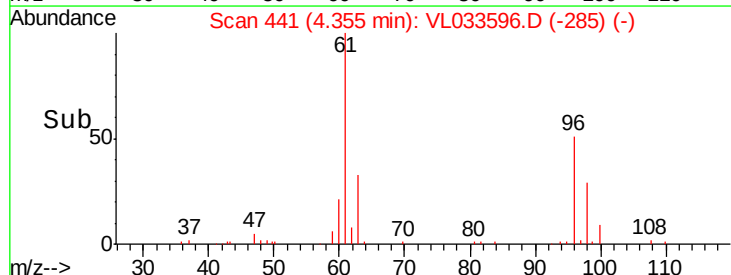
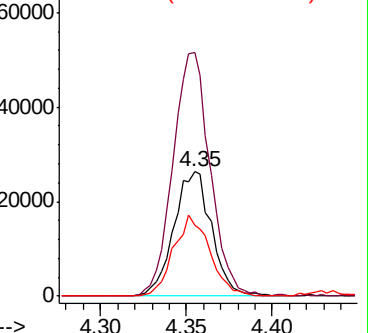
98 60.0 48.7 73.1

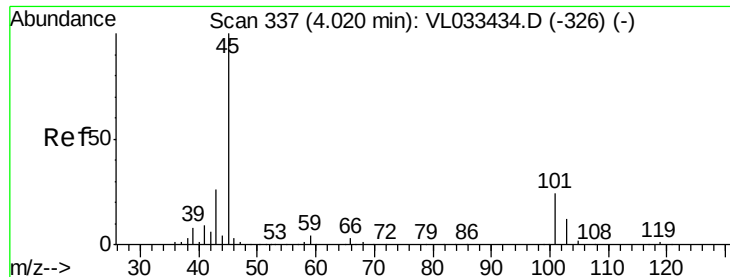


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.549 ppbv

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 :

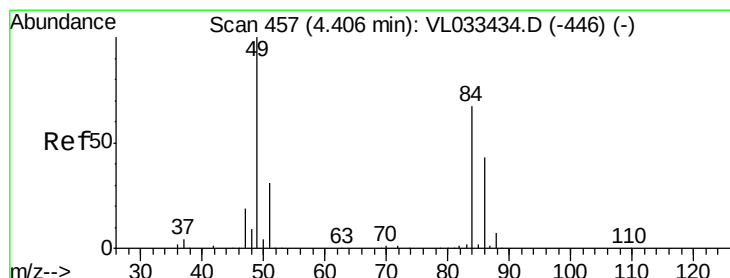
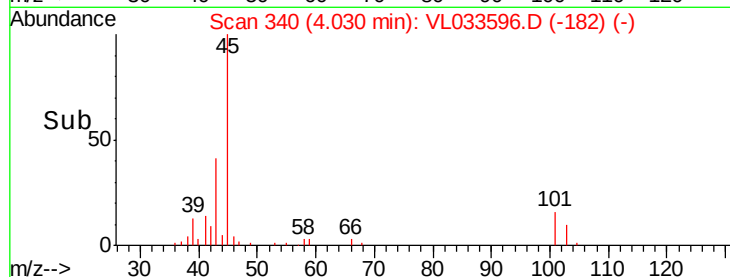
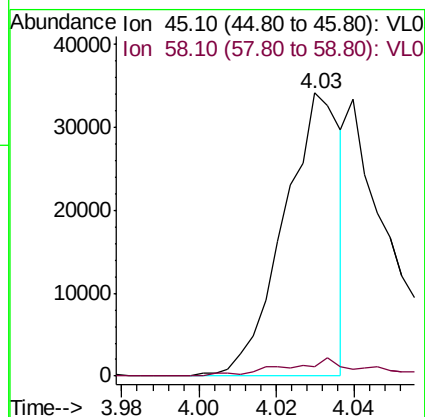
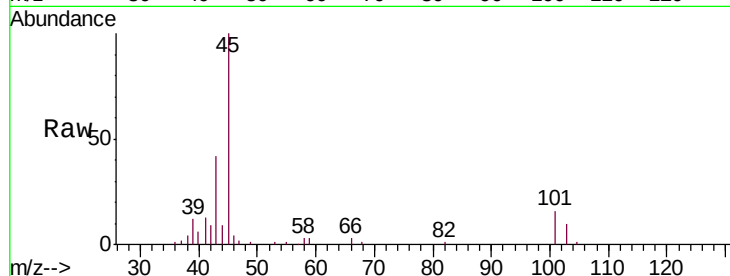
LOQ-AIR-02-QT2-2019

Tgt Ion: 45 Resp: 34694

Ion Ratio Lower Upper

45 100

58 9.8 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

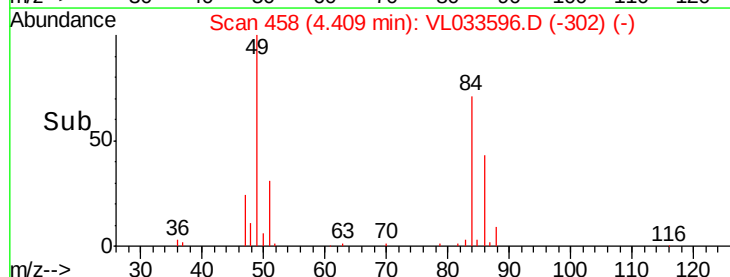
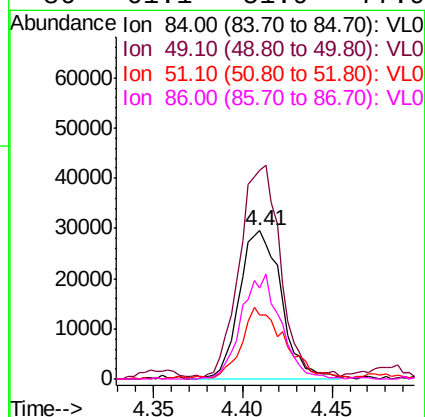
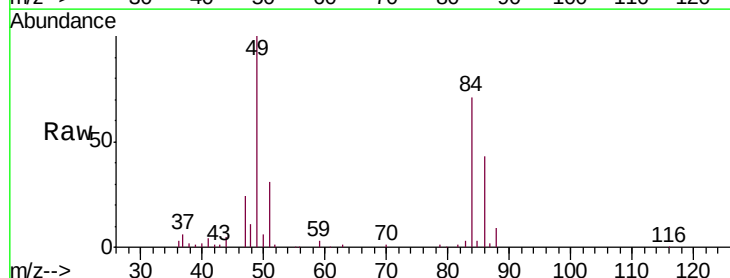
Ion Ratio Lower Upper

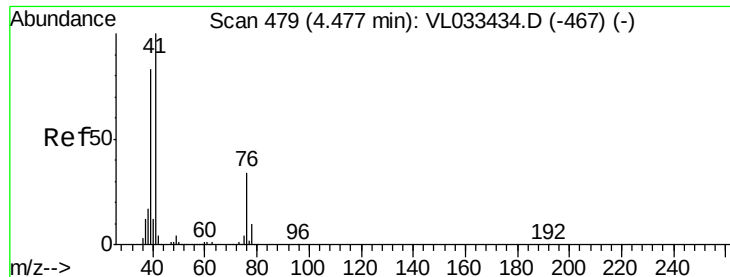
84 100

49 138.5 120.0 180.0

51 43.1 36.7 55.1

86 61.1 51.9 77.9





#21

Allyl 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

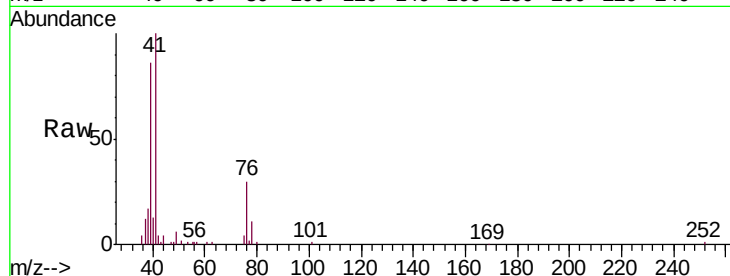
Tgt Ion: 41 Resp: 58793

Ion Ratio Lower Upper

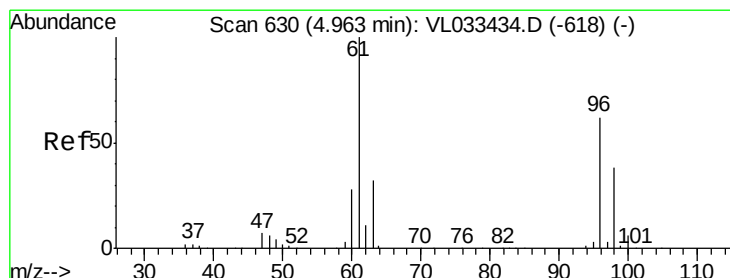
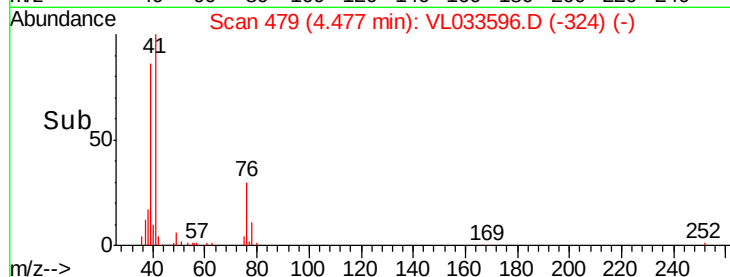
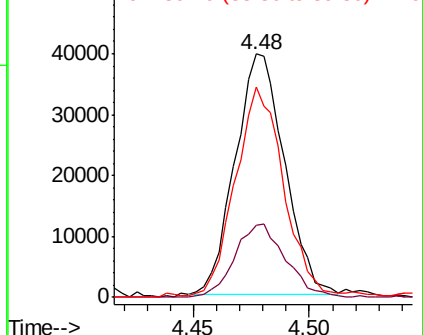
41 100

76 31.3 25.4 38.2

39 86.9 65.3 97.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#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

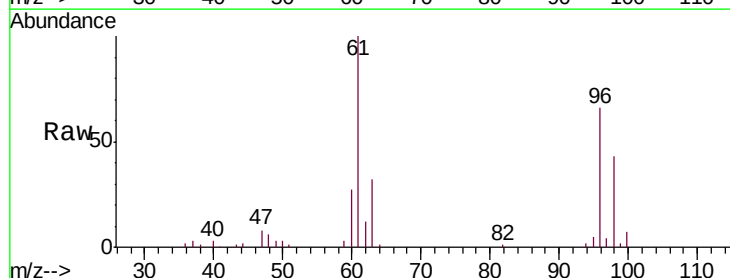
Tgt Ion: 96 Resp: 43921

Ion Ratio Lower Upper

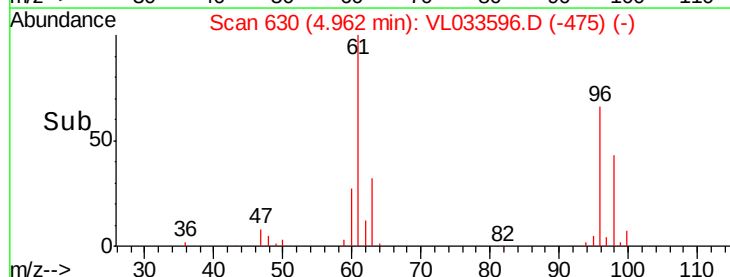
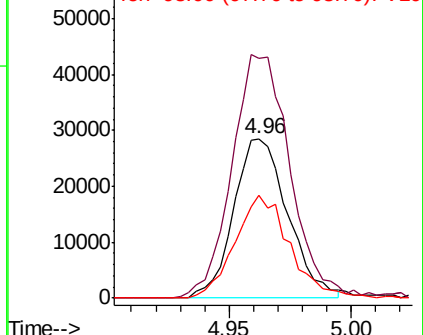
96 100

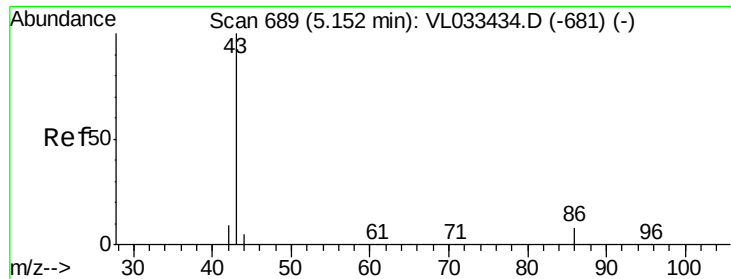
61 146.6 128.9 193.3

98 64.8 49.5 74.3



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





#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

Tgt Ion: 43 Resp: 119603

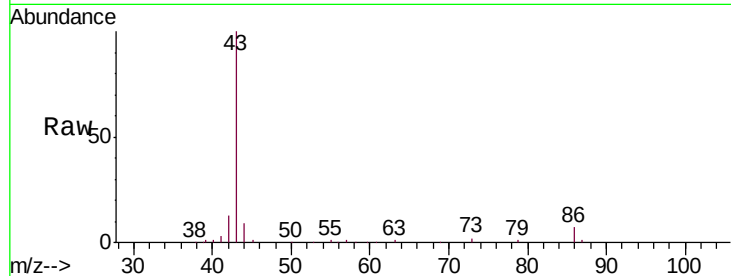
Ion Ratio Lower Upper

43 100

86 6.7 5.6 8.4

42 12.8 8.0 12.0#

44 7.3 3.9 5.9#

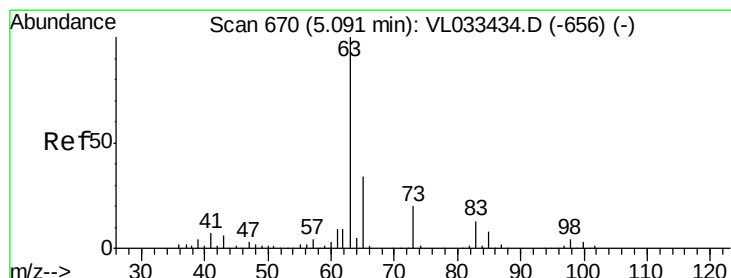
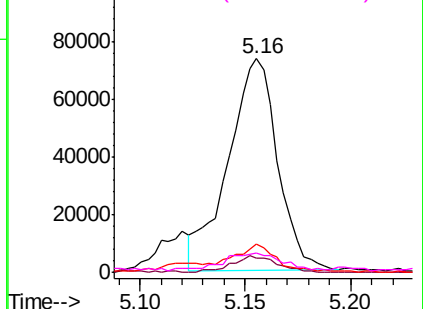
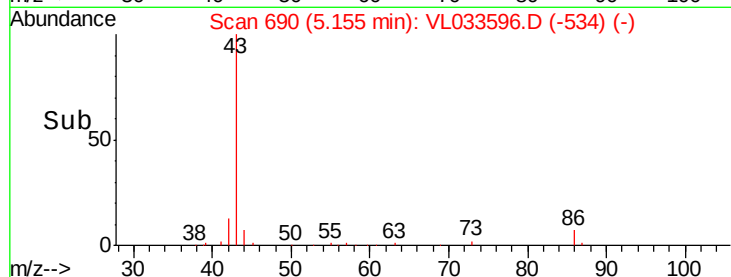


Abundance Ion 43.10 (42.80 to 43.80): VL0

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

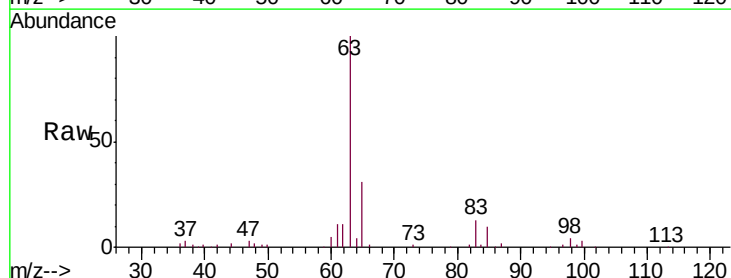
Tgt Ion: 63 Resp: 98188

Ion Ratio Lower Upper

63 100

98 3.6 2.2 6.6

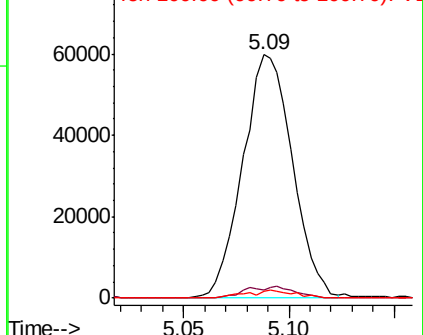
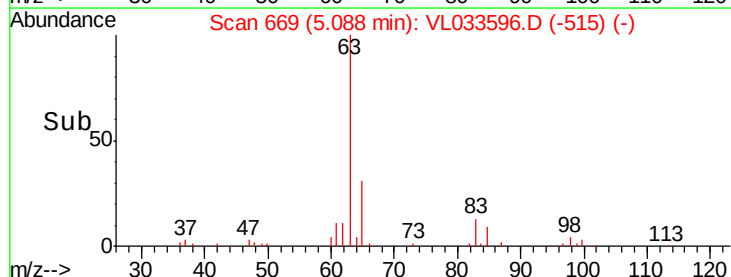
100 2.6 1.5 4.4

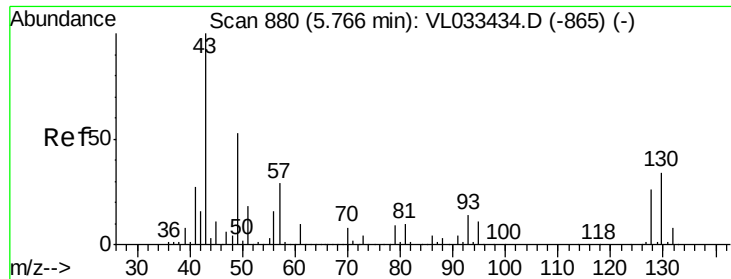


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

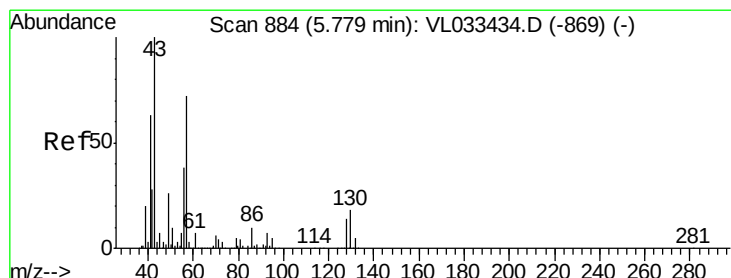
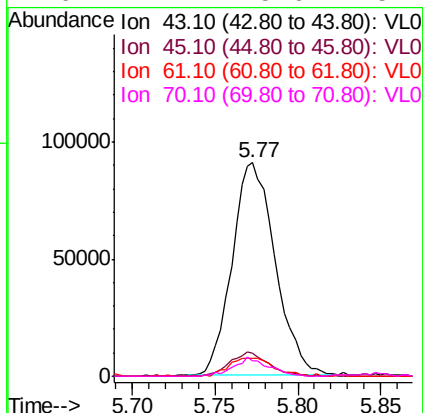
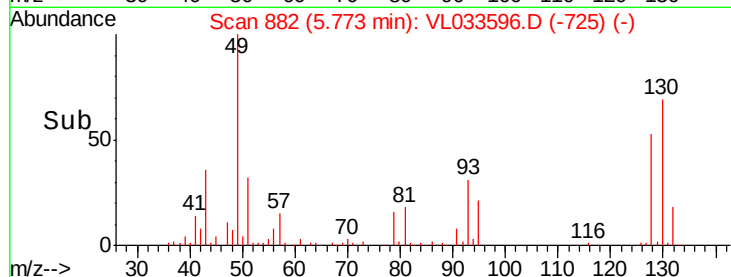
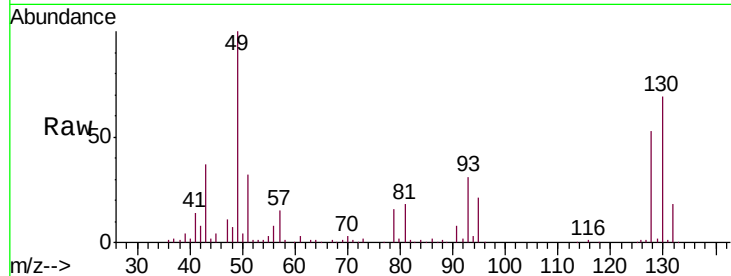




#25
Ethyl Acetate
Concen: 0.886 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

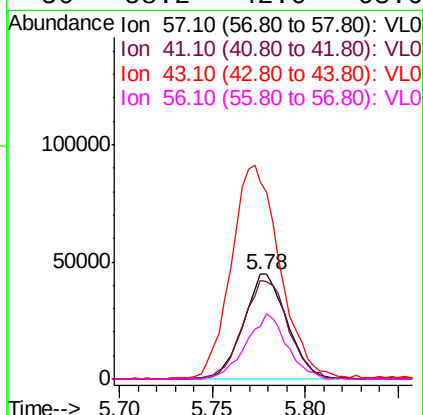
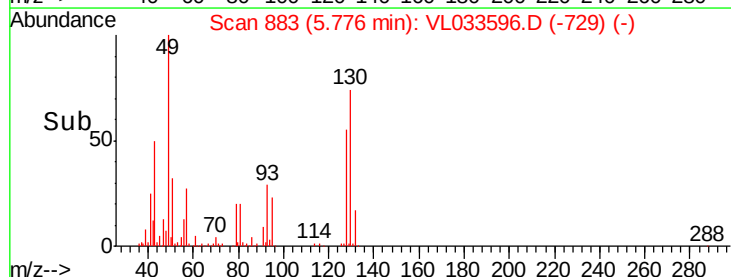
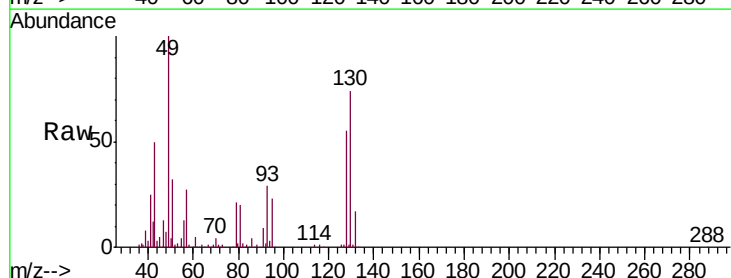
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

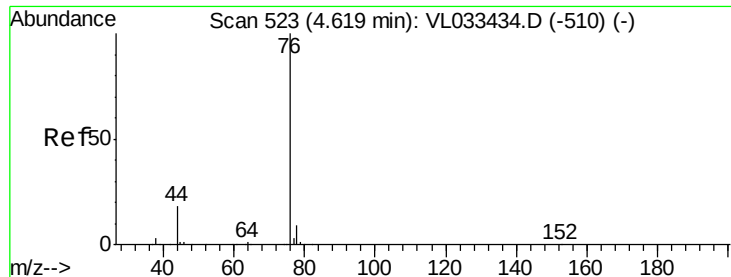
Tgt Ion:	43	Resp:	164195
Ion	Ratio	Lower	Upper
43	100		
45	10.5	7.8	11.6
61	9.1	7.3	10.9
70	7.1	5.6	8.4



#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





#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

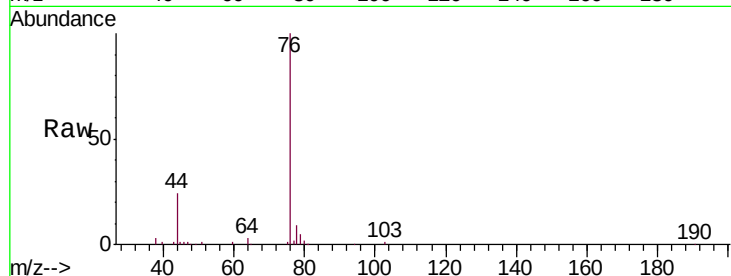
Tgt Ion: 76 Resp: 97001

Ion Ratio Lower Upper

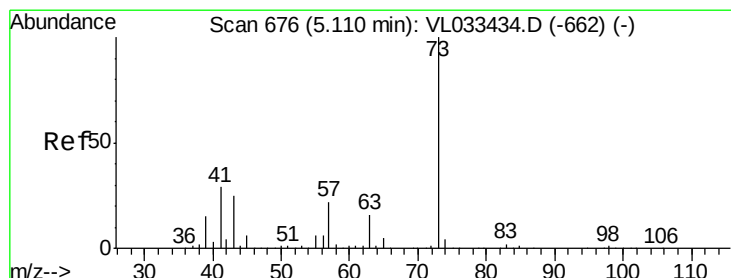
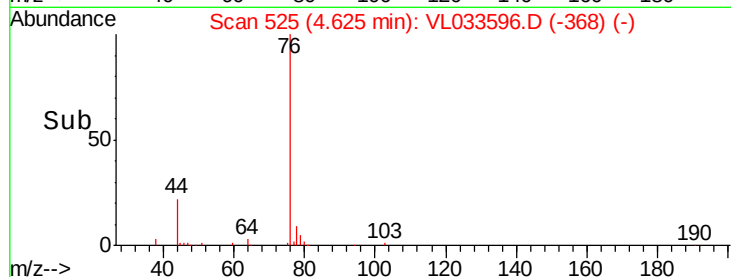
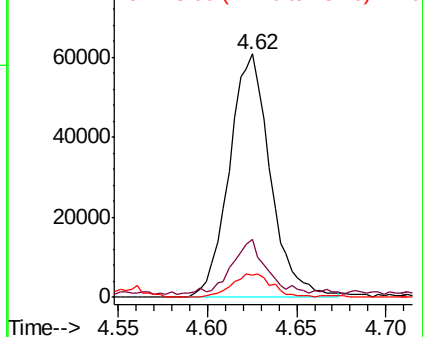
76 100

44 21.4 14.8 22.2

78 10.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.754 ppbv

RT: 5.12 min Scan# 679

Delta R.T. 0.01 min

Lab File: VL033596.D

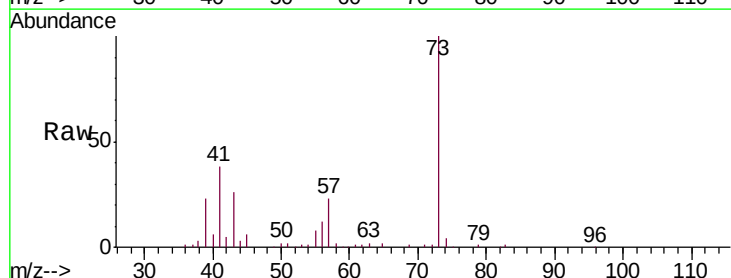
Acq: 16 Apr 2019 17:29

Tgt Ion: 73 Resp: 89432

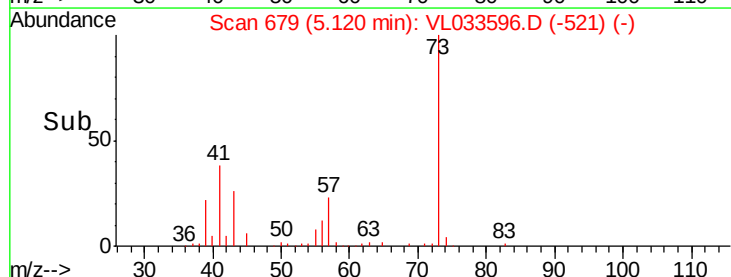
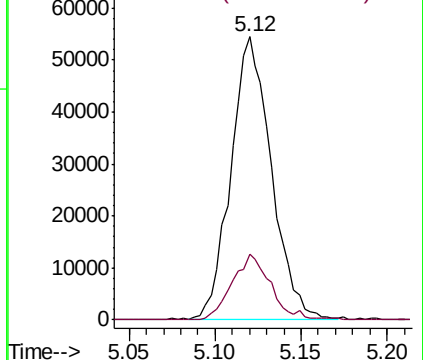
Ion Ratio Lower Upper

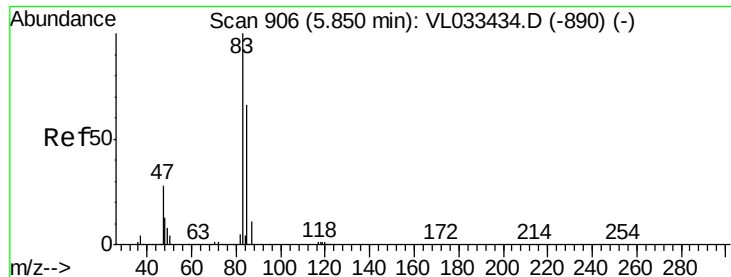
73 100

57 22.3 17.4 26.2



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





#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 :

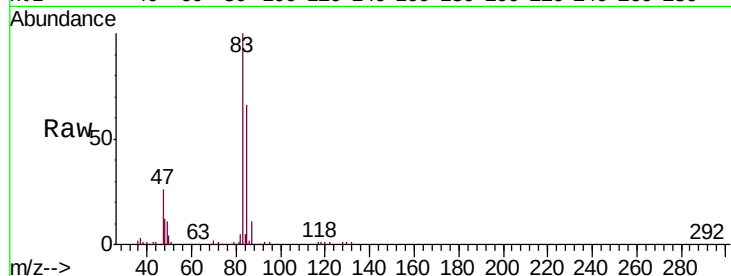
LOQ-AIR-02-QT2-2019

Tgt Ion: 83 Resp: 135675

Ion Ratio Lower Upper

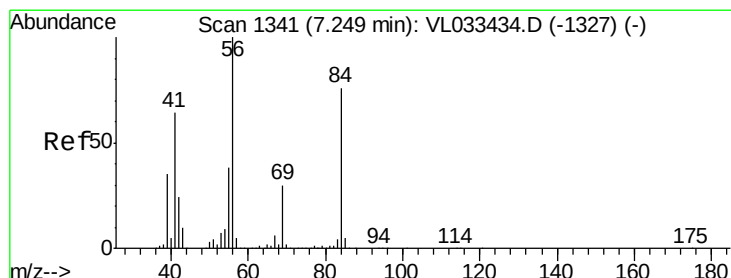
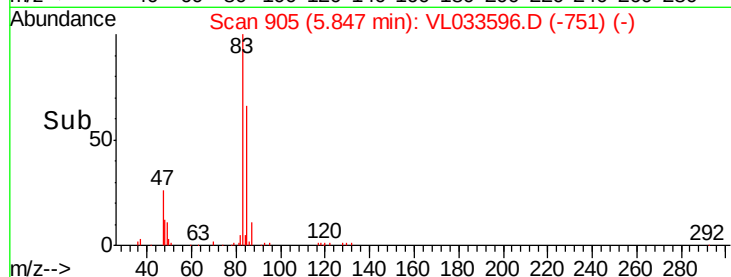
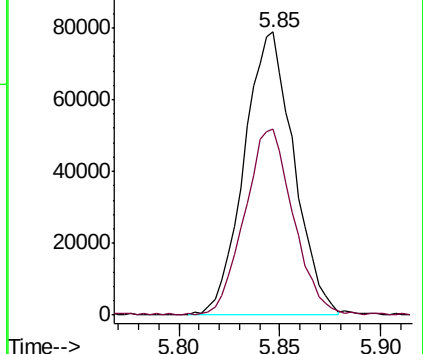
83 100

85 64.6 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#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

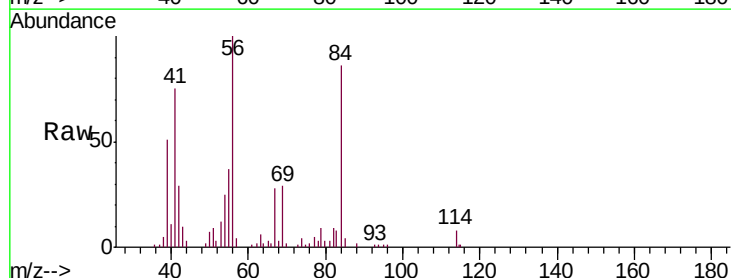
Tgt Ion: 84 Resp: 53538

Ion Ratio Lower Upper

84 100

56 114.7 109.7 164.5

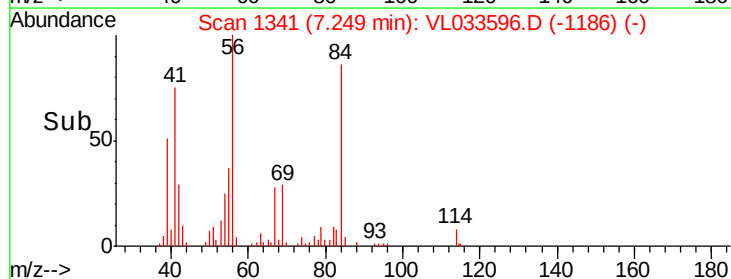
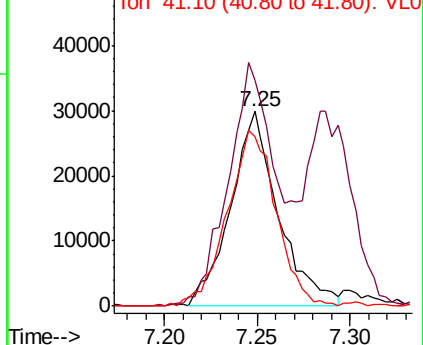
41 93.0 68.2 102.2

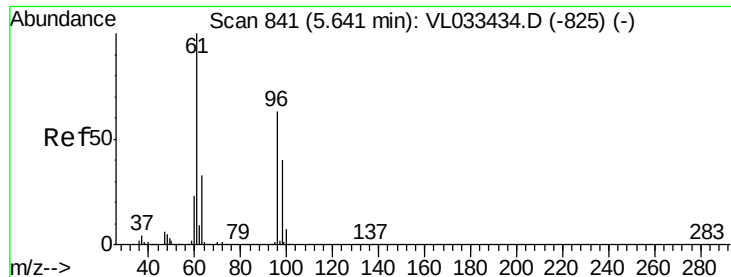


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



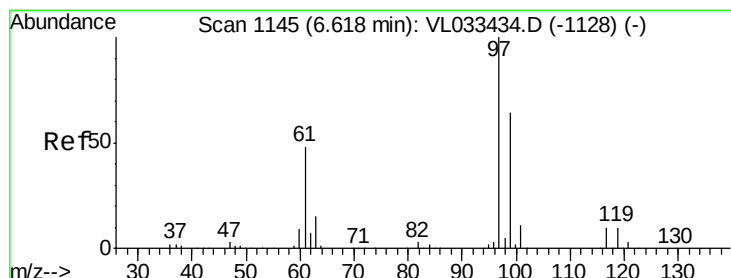
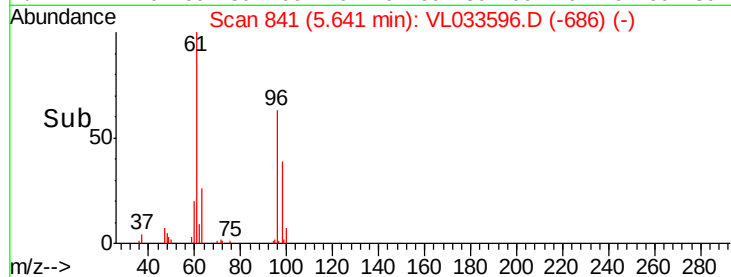
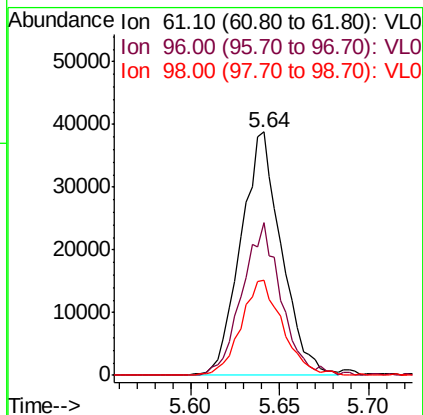
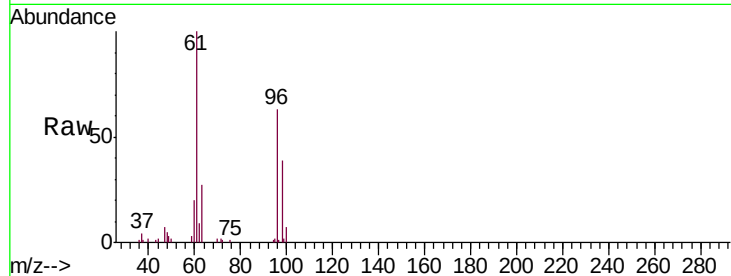


#31

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

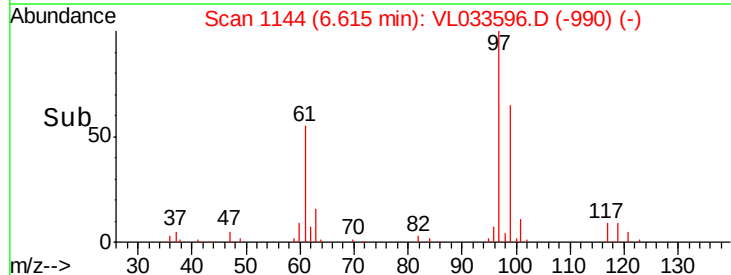
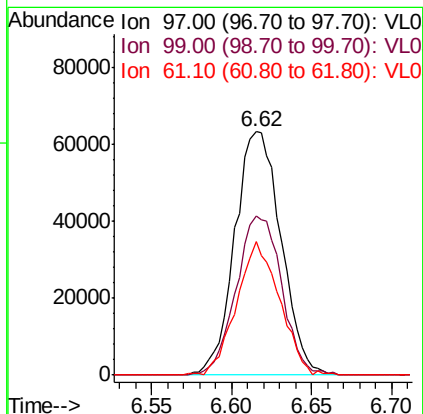
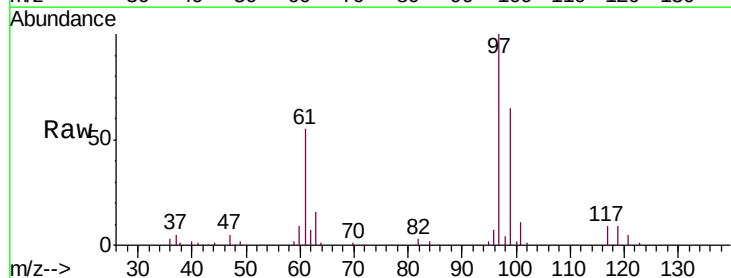
Tgt Ion	Ratio	Lower	Upper
61	100		
96	64.2	50.6	76.0
98	40.7	32.2	48.2

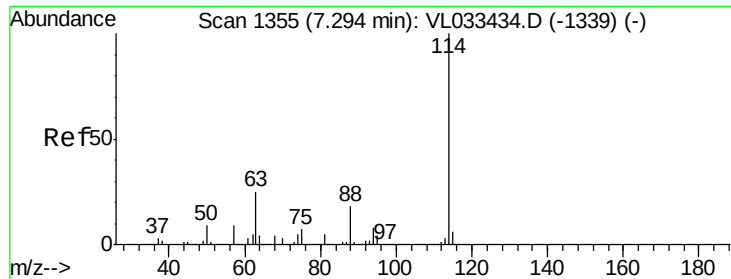


#32

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	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	50.9	38.8	58.2

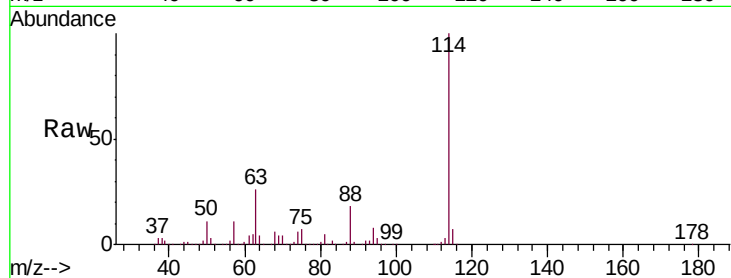




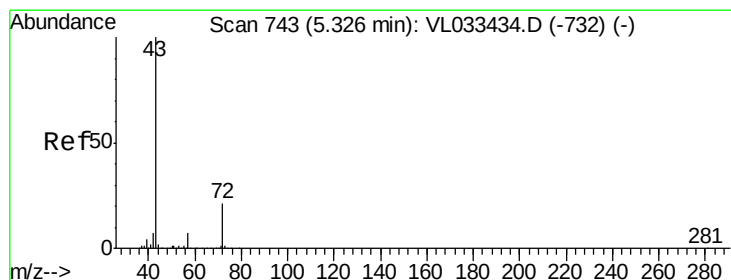
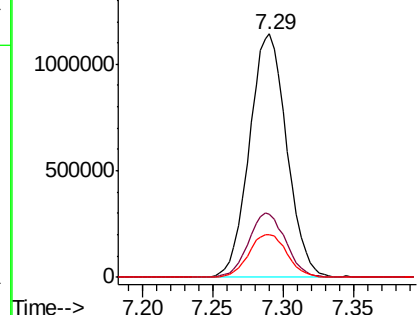
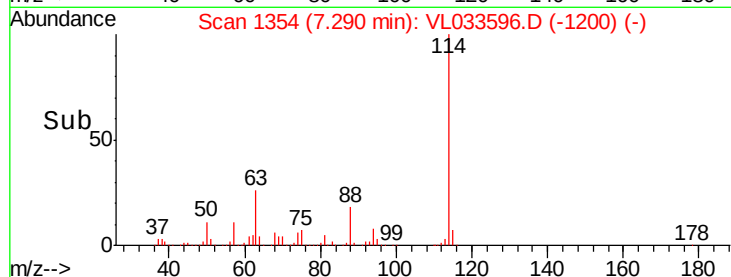
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

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

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

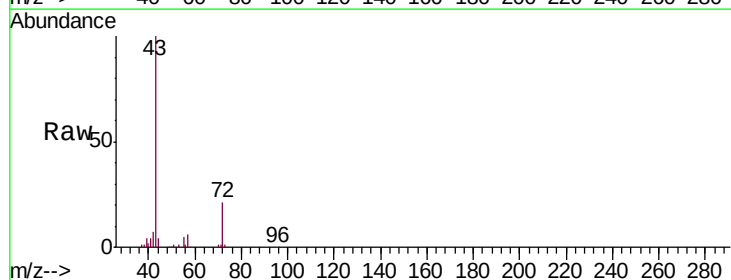


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

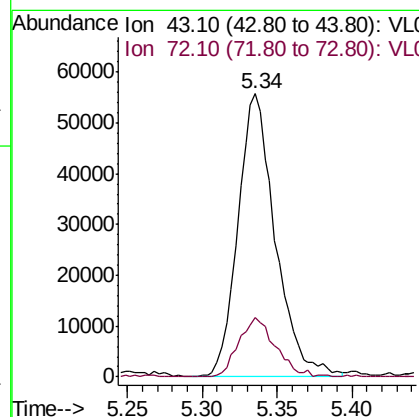
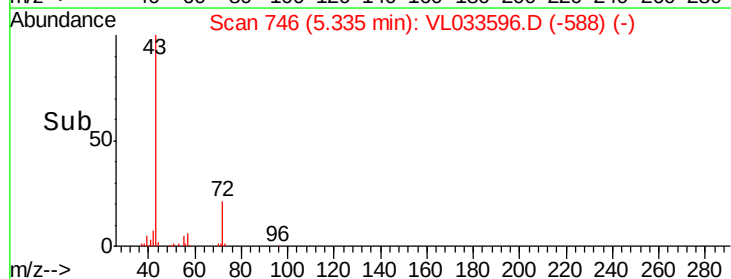


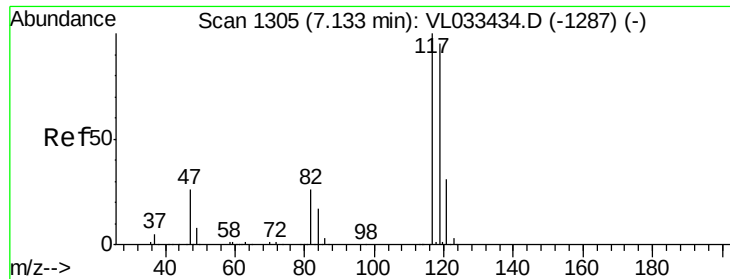
#34
 2-Butanone
 Concen: 0.763 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

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



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

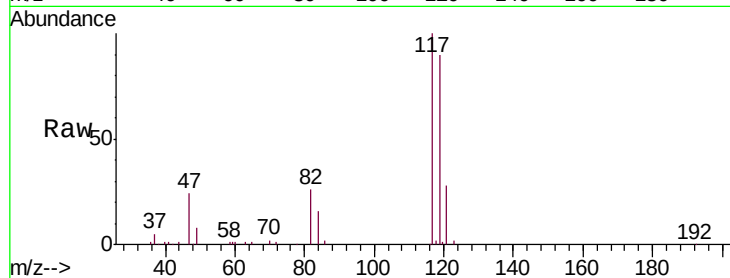




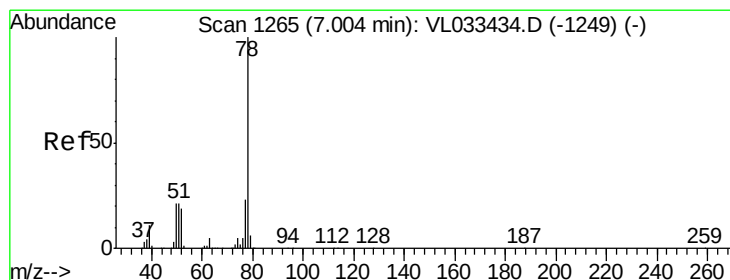
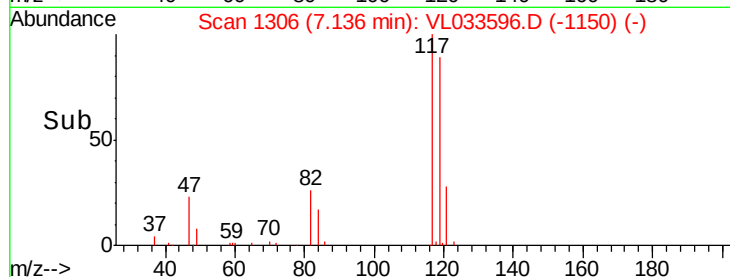
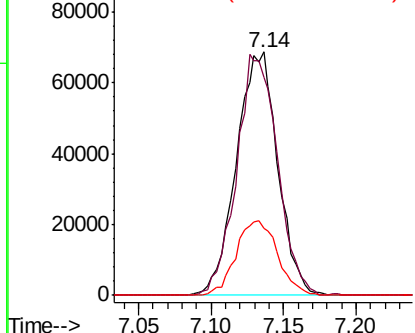
#35
Carbon Tetrachloride
Concen: 0.908 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

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

Tgt Ion: 117 Resp: 136191
Ion Ratio Lower Upper
117 100
119 89.6 75.8 113.8
121 27.7 24.7 37.1

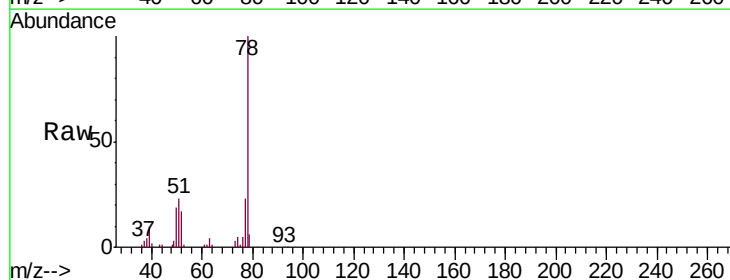


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

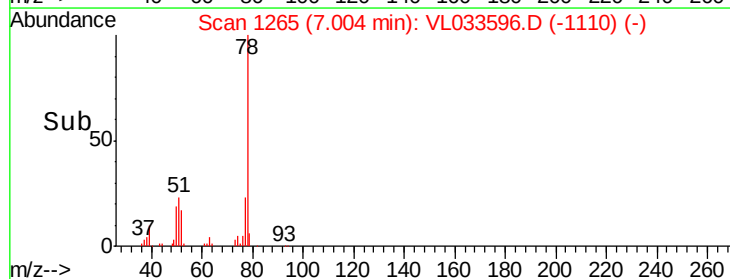
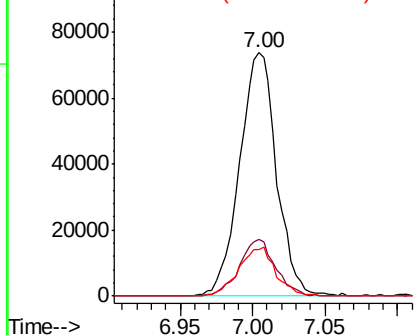


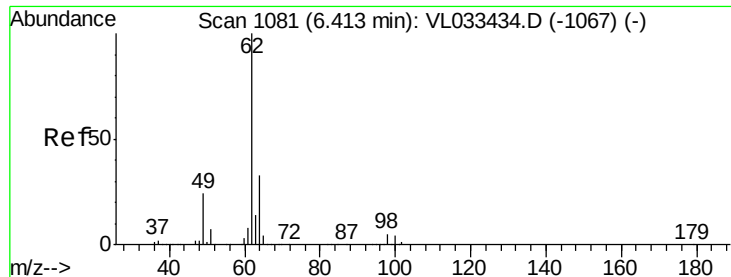
#36
Benzene
Concen: 0.736 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

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

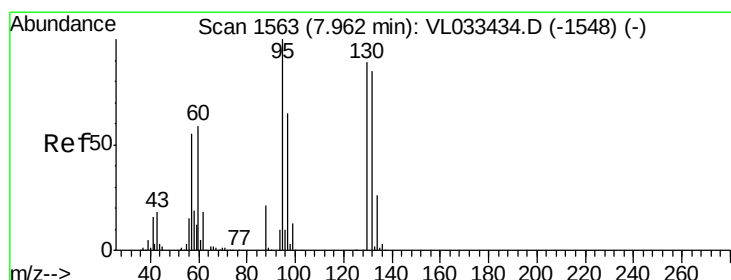
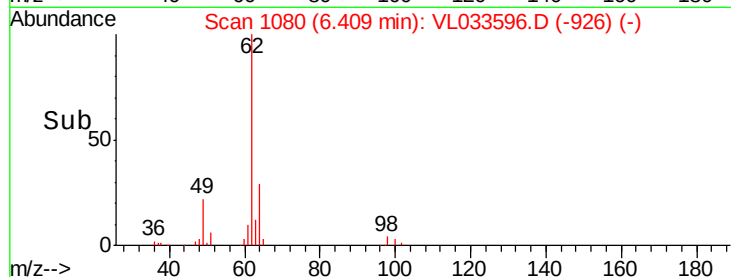
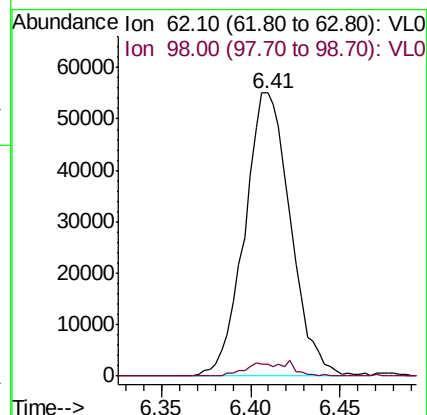
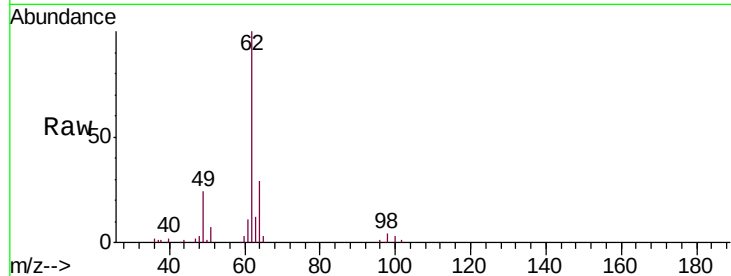




#37
 1,2-Dichloroethane
 Concen: 0.830 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

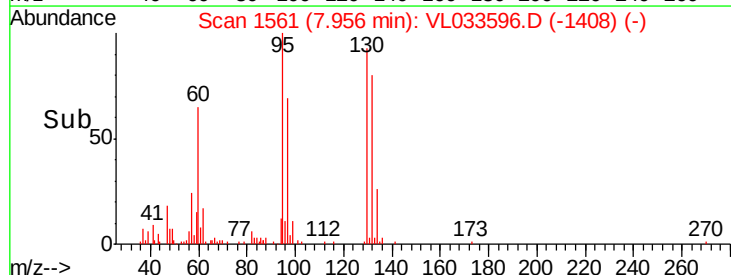
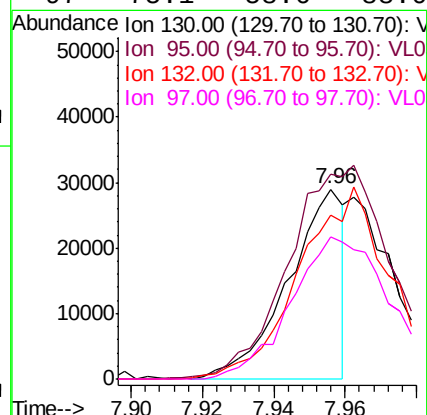
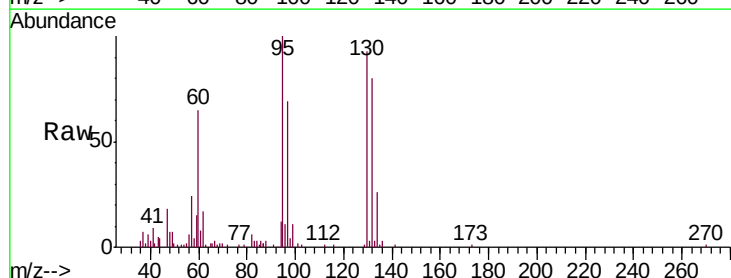
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

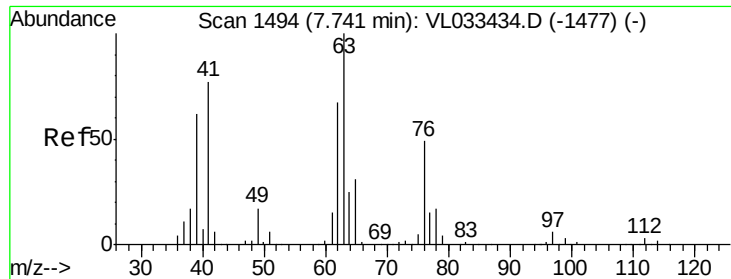
Tgt Ion: 62 Resp: 98855
 Ion Ratio Lower Upper
 62 100
 98 4.8 4.4 6.6



#38
 Trichloroethene
 Concen: 0.471 ppbv
 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: 31477
 Ion Ratio Lower Upper
 130 100
 95 106.7 89.8 134.8
 132 85.8 76.6 115.0
 97 75.1 58.6 88.0

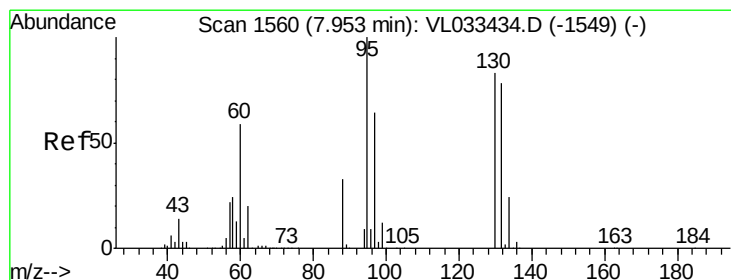
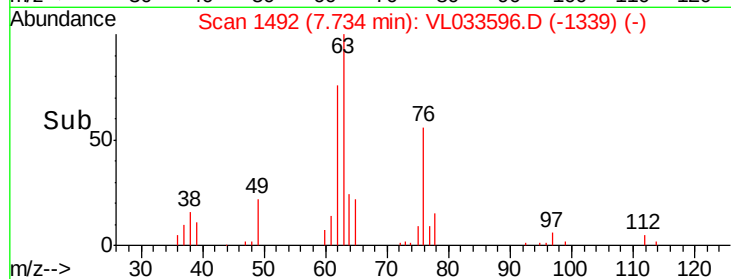
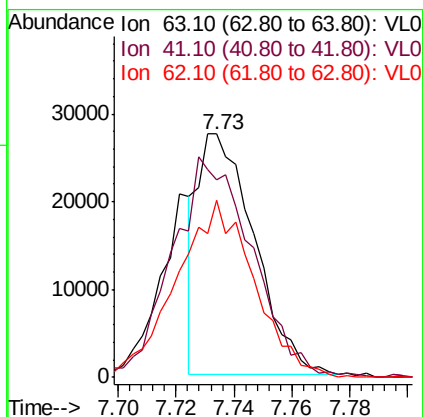
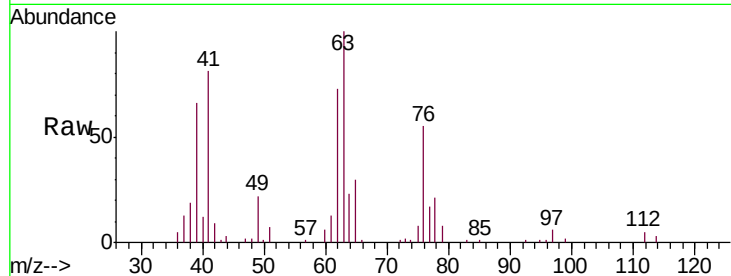




#39
 1,2-Dichloropropane
 Concen: 0.525 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

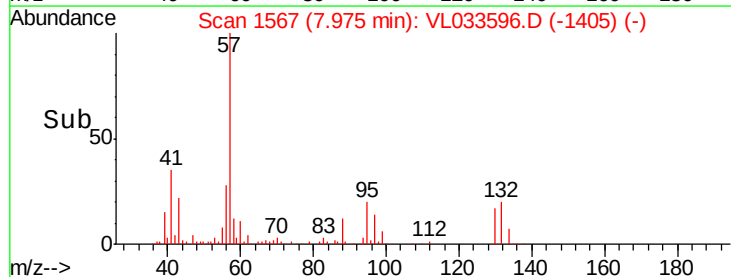
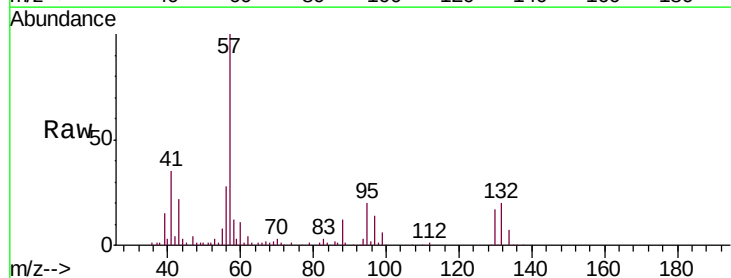
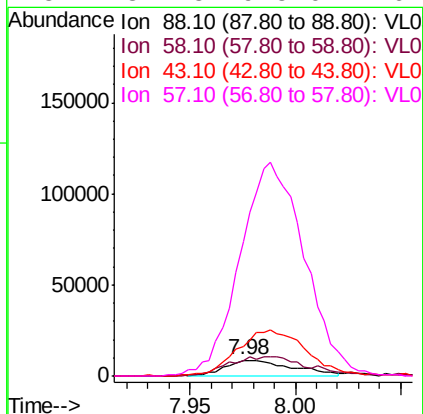
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

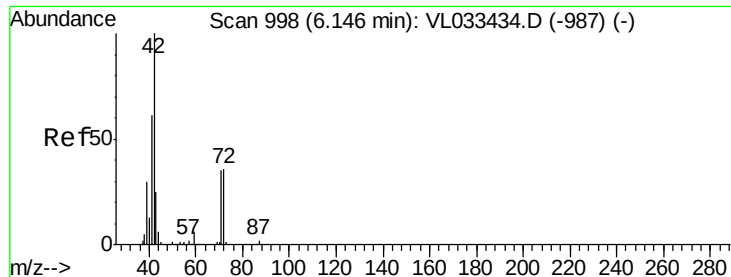
Tgt Ion	Ratio	Lower	Upper
63	100		
41	81.2	61.2	91.8
62	73.7	54.0	81.0



#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	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

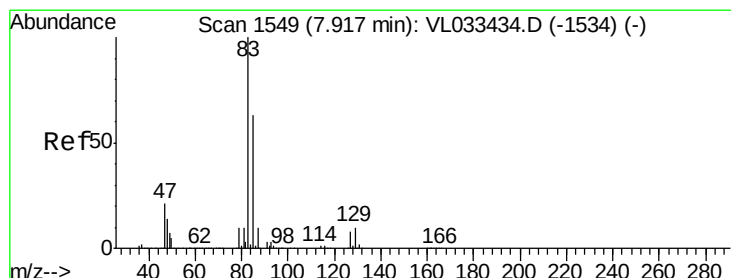
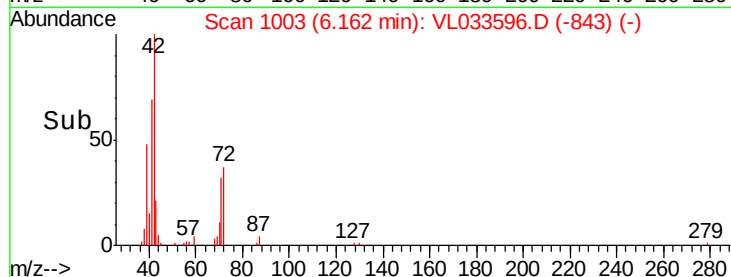
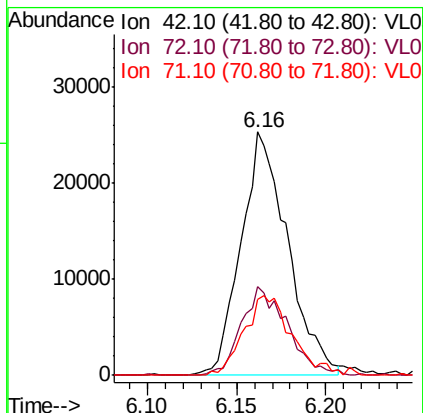
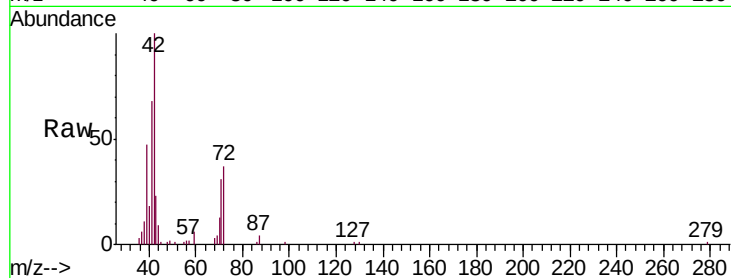
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2019

Tgt 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

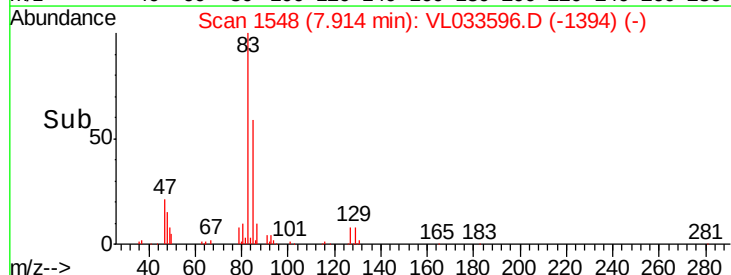
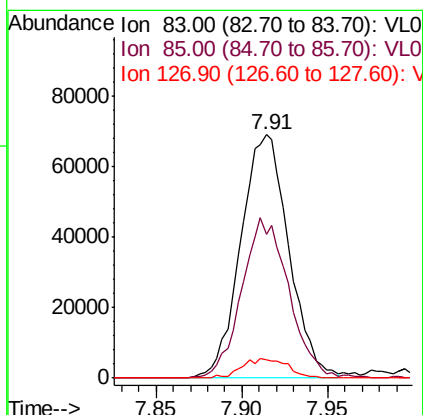
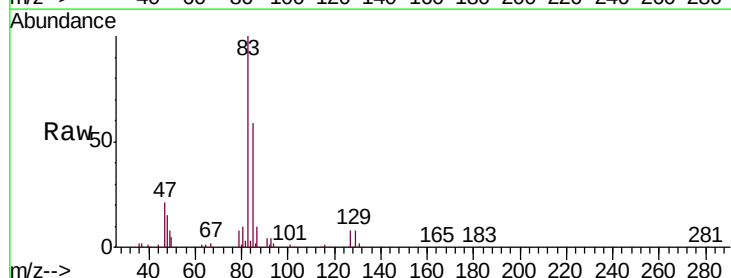
RT: 7.91 min Scan# 1548

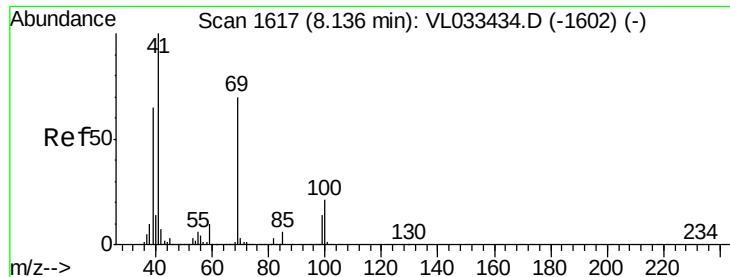
Delta R.T. -0.00 min

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

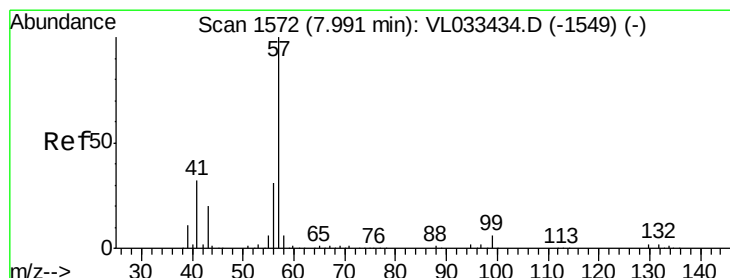
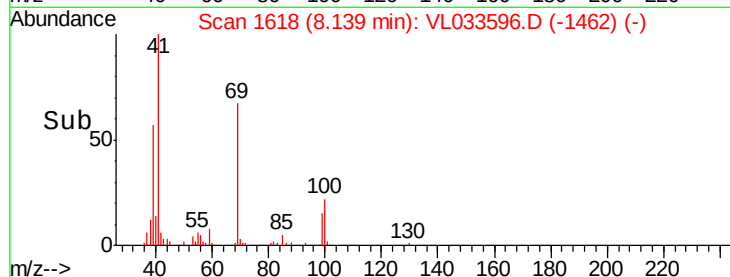
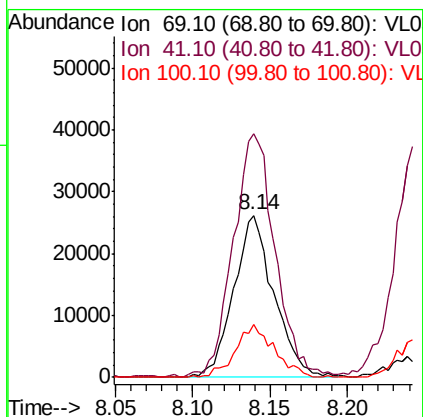
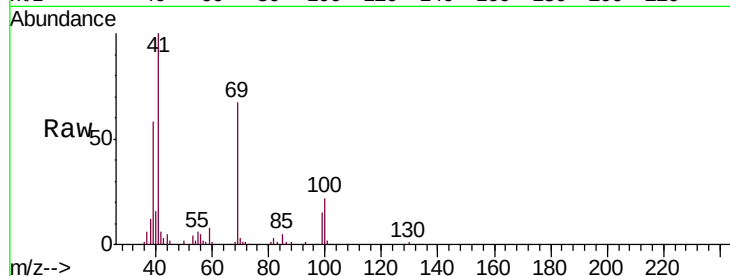




#43
Methyl Methacrylate
Concen: 0.655 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

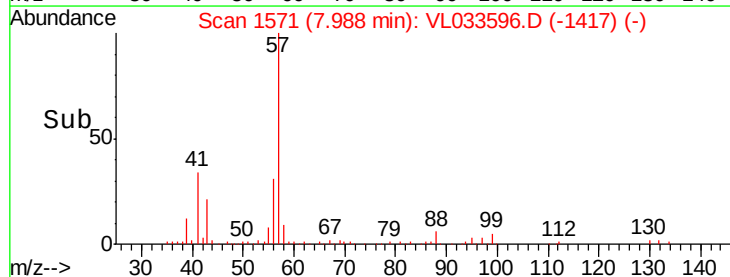
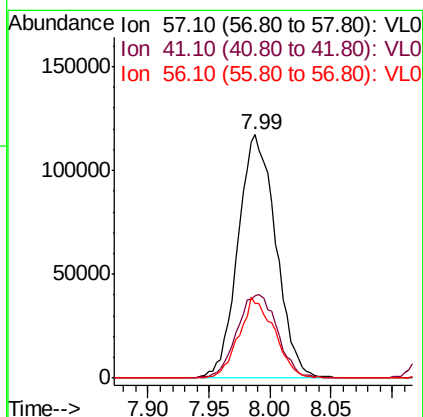
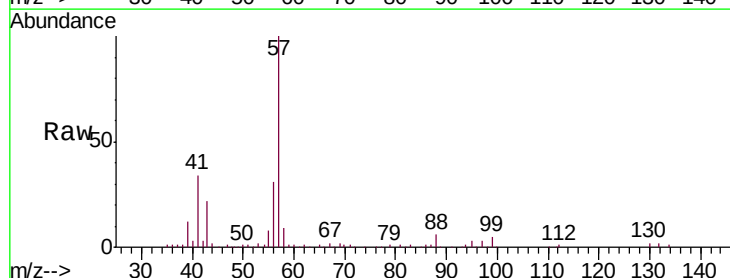
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

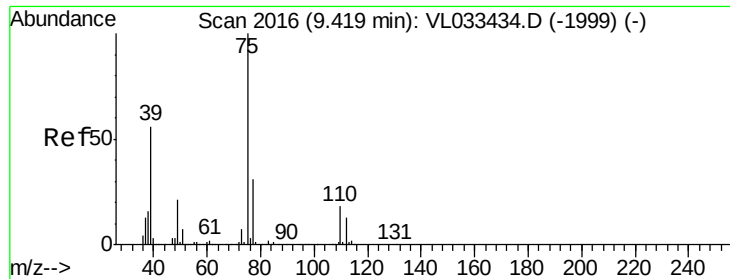
Tgt Ion: 69 Resp: 47230
Ion Ratio Lower Upper
69 100
41 158.4 116.6 174.8
100 31.3 24.4 36.6



#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

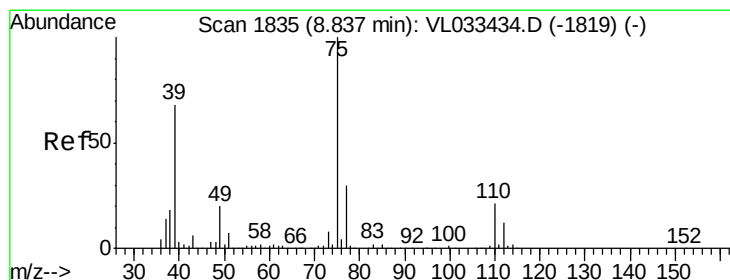
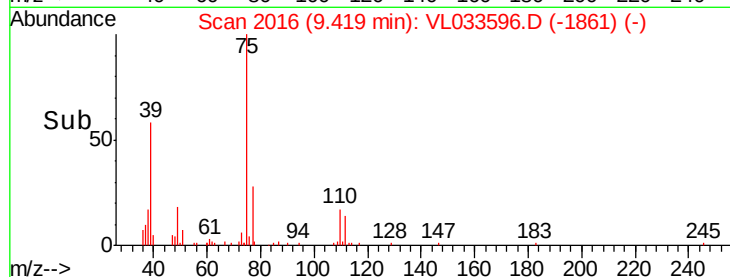
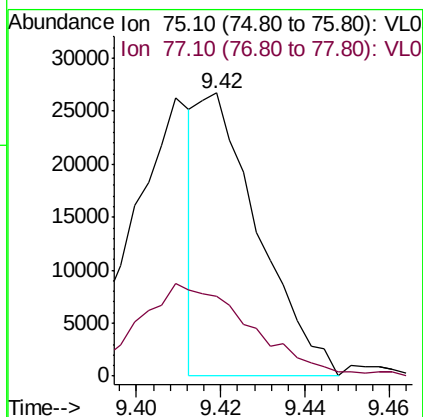
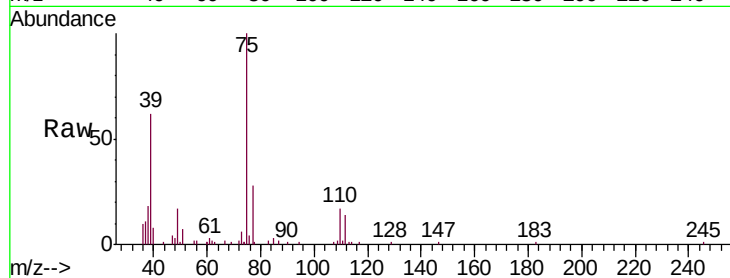




#45
 t-1,3-Dichloropropene
 Concen: 0.301 ppbv
 RT: 9.42 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

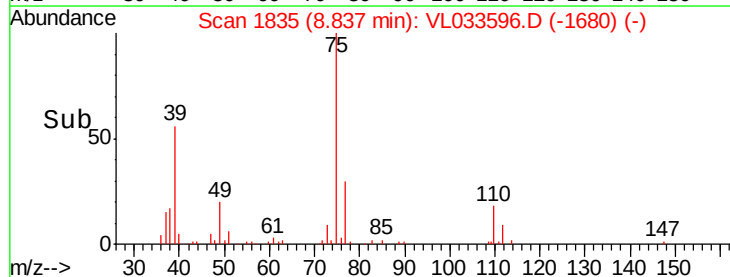
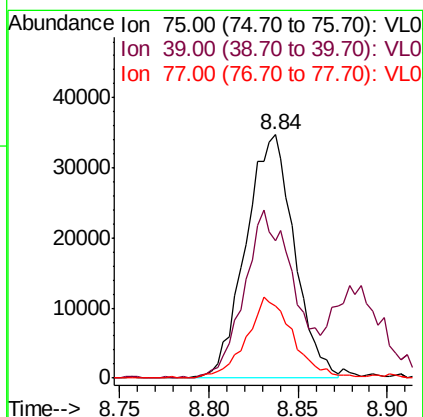
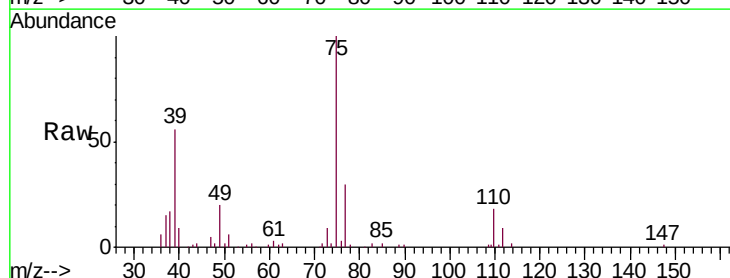
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

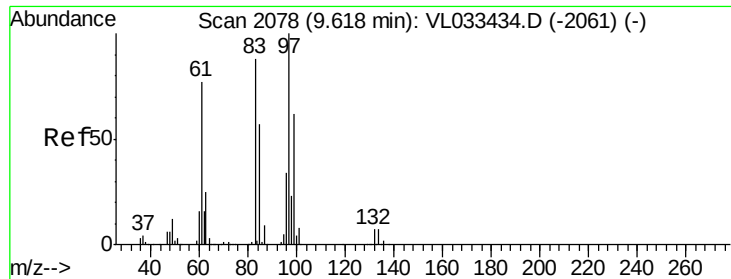
Tgt Ion: 75 Resp: 26630
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.5 36.7



#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

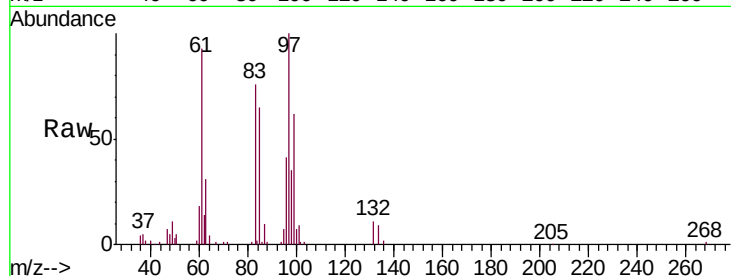




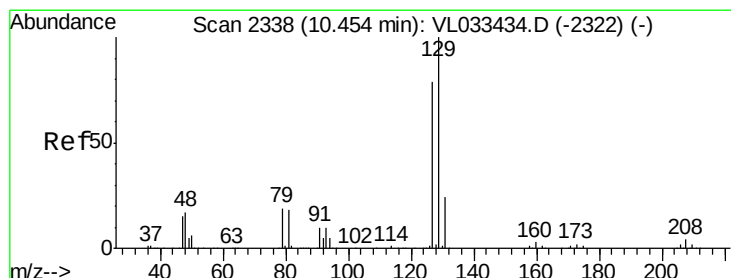
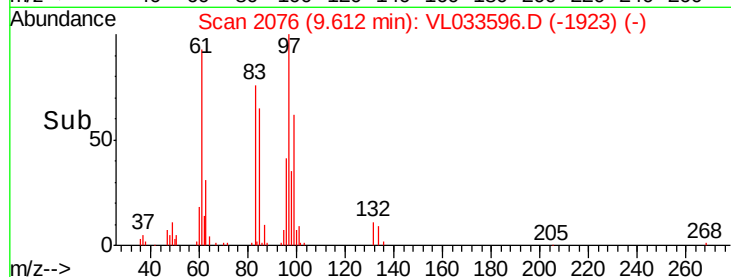
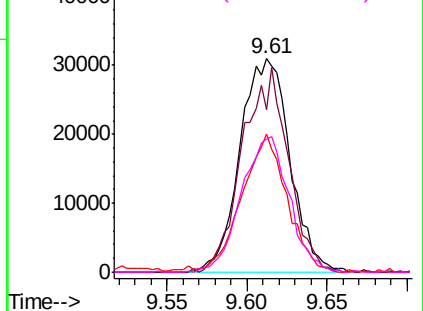
#47
 1,1,2-Trichloroethane
 Concen: 0.834 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

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

Tgt 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

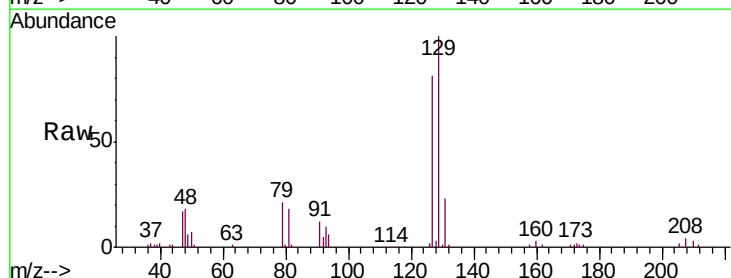


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

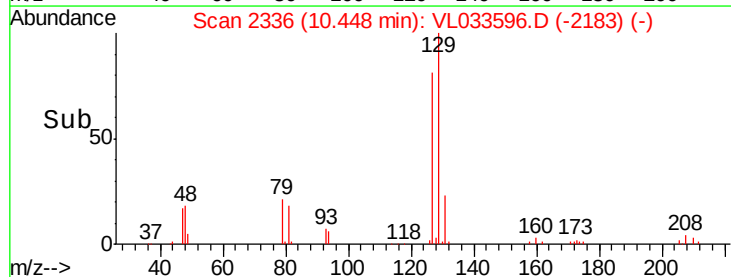
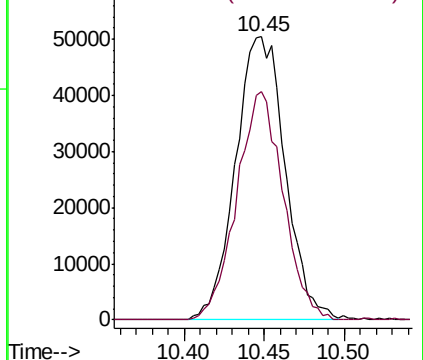


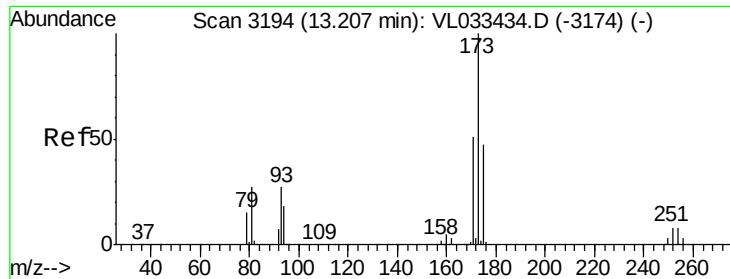
#48
 Dibromochloromethane
 Concen: 0.802 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

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



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#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

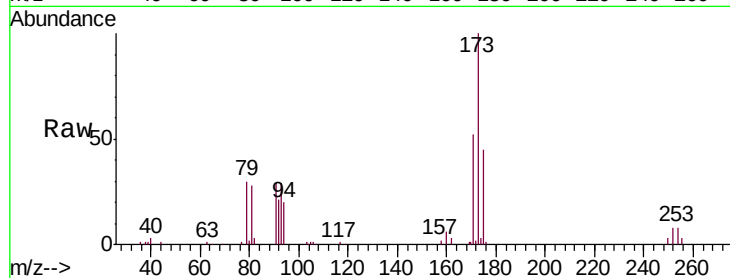
Tgt Ion: 173 Resp: 91920

Ion Ratio Lower Upper

173 100

175 48.0 39.3 58.9

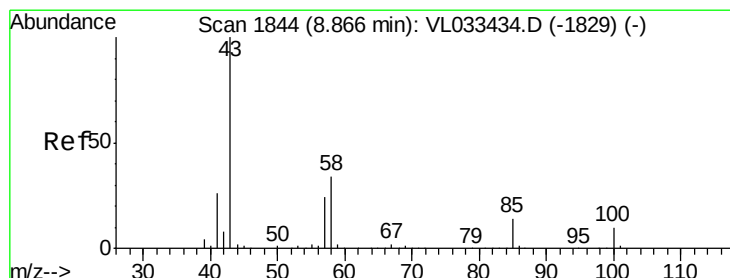
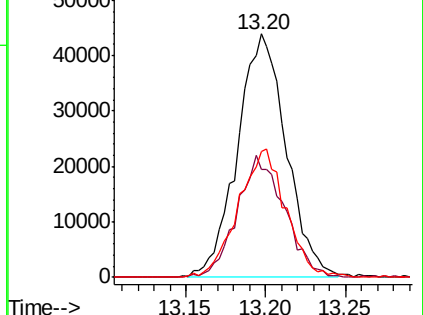
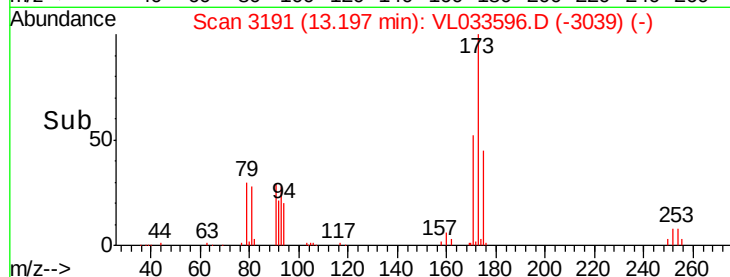
171 51.2 41.2 61.8



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

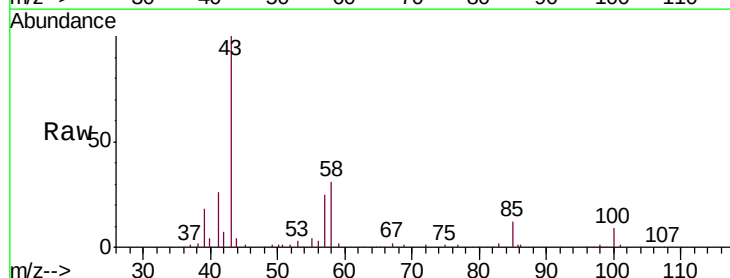
Acq: 16 Apr 2019 17:29

Tgt Ion: 43 Resp: 143265

Ion Ratio Lower Upper

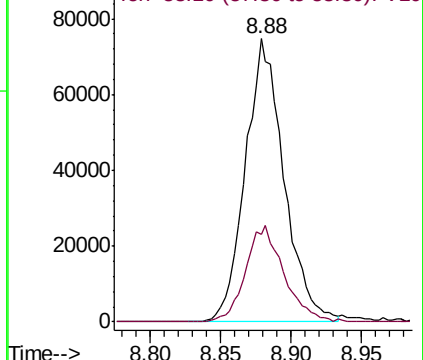
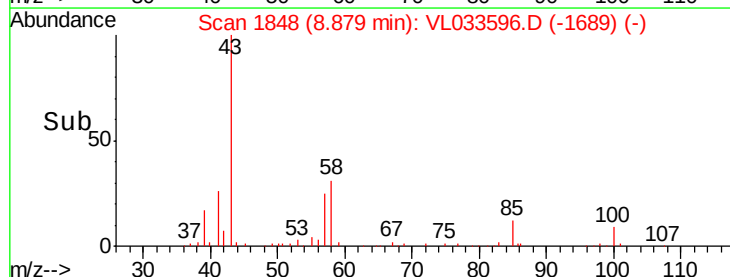
43 100

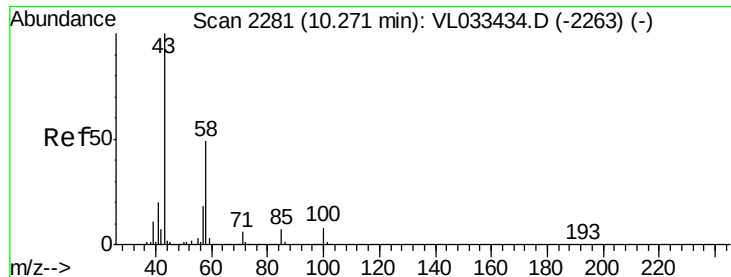
58 33.8 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

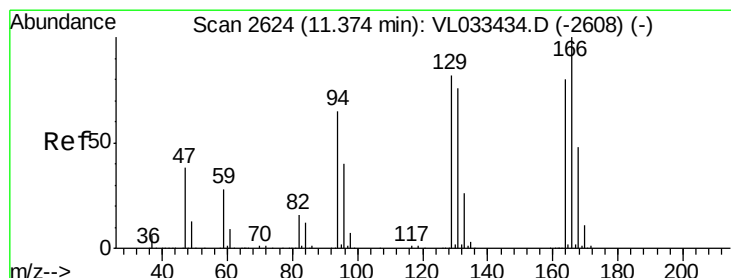
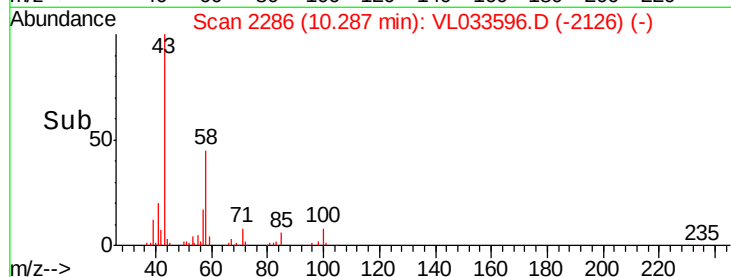
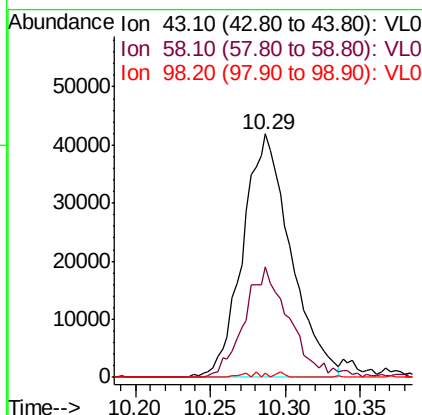
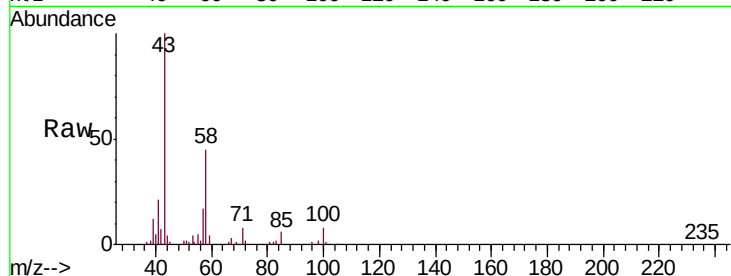




#51
 2-Hexanone
 Concen: 0.672 ppbv
 RT: 10.29 min Scan# 2286
 Delta R.T. 0.02 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

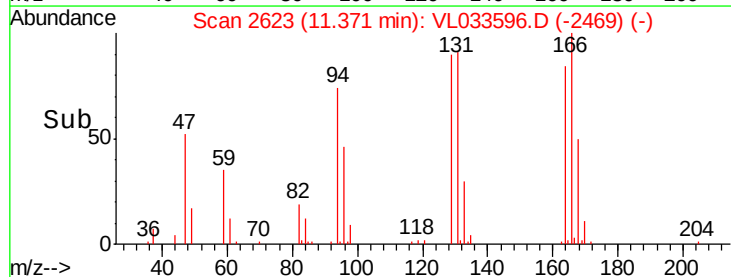
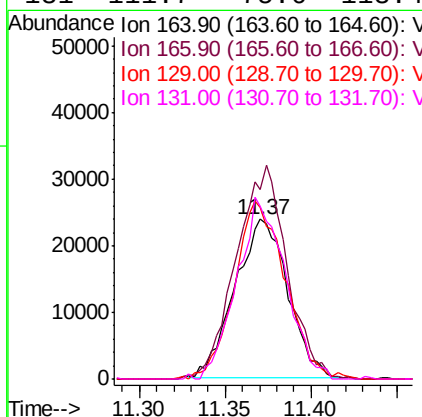
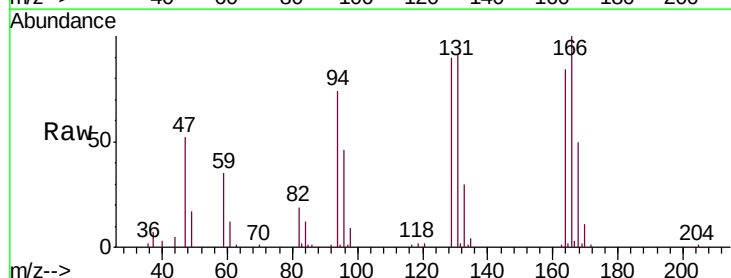
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

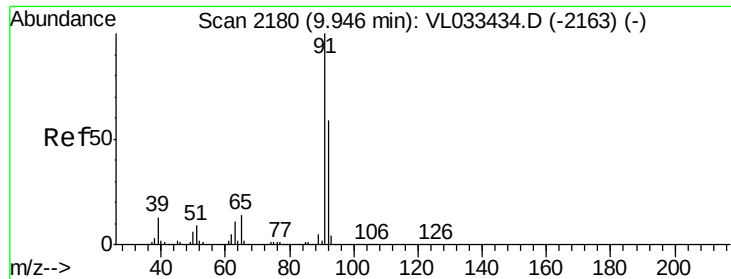
Tgt Ion: 43 Resp: 93332
 Ion Ratio Lower Upper
 43 100
 58 43.4 38.2 57.2
 98 1.2 0.2 0.2#



#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 :

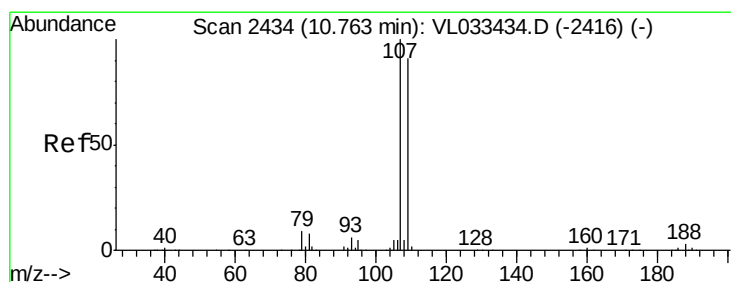
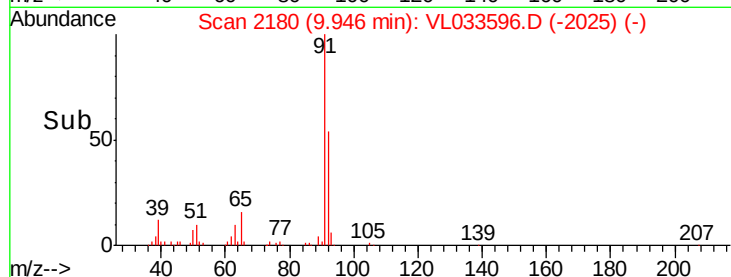
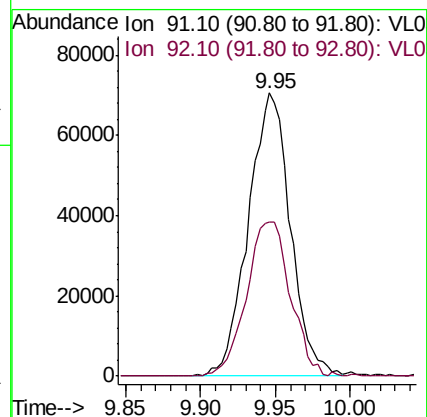
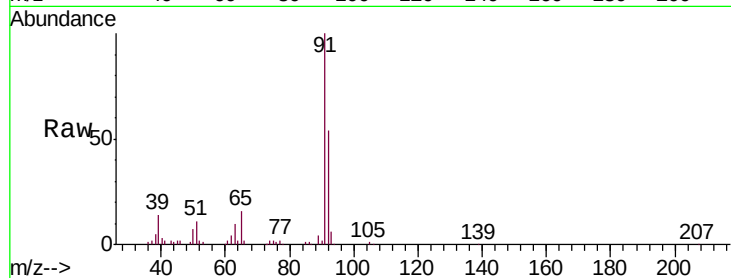
LOQ-AIR-02-QT2-2019

Tgt 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

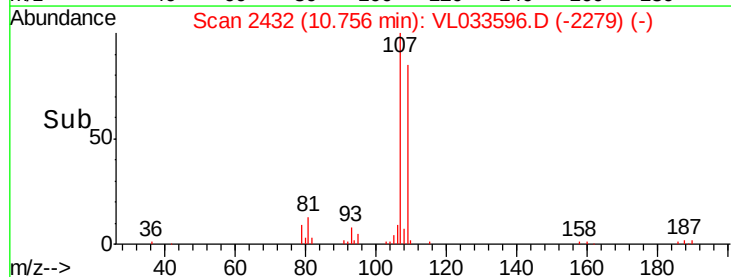
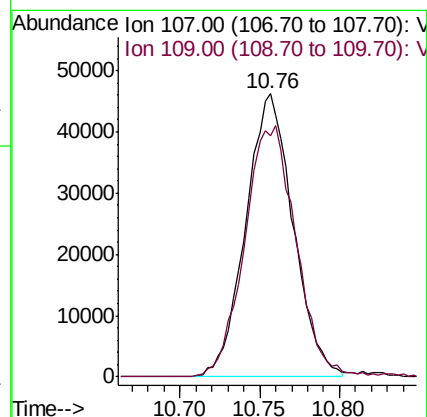
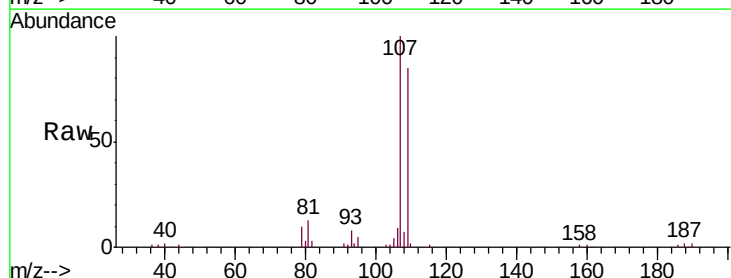
Acq: 16 Apr 2019 17:29

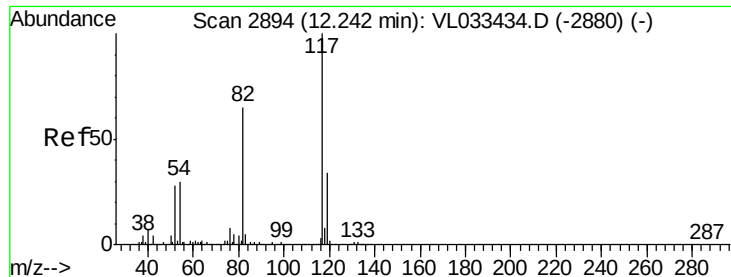
Tgt Ion: 107 Resp: 93723

Ion Ratio Lower Upper

107 100

109 85.4 72.7 109.1

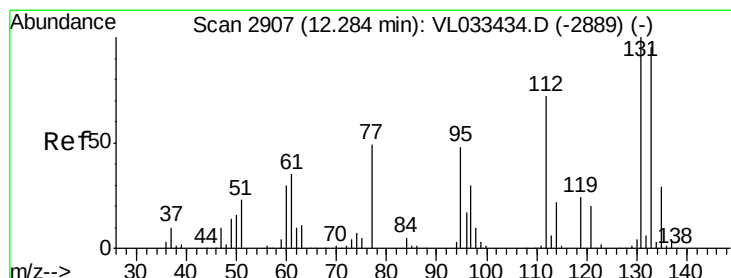
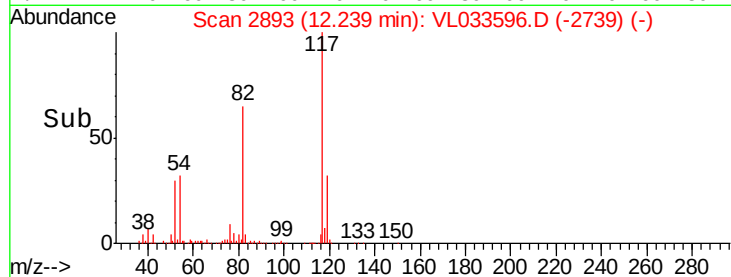
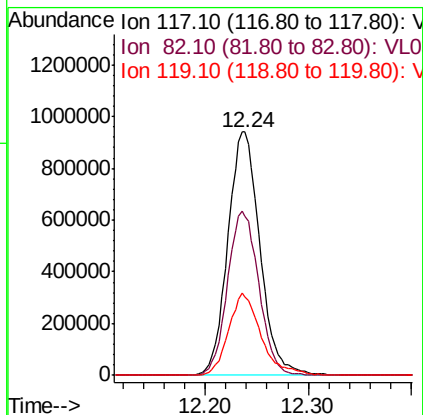
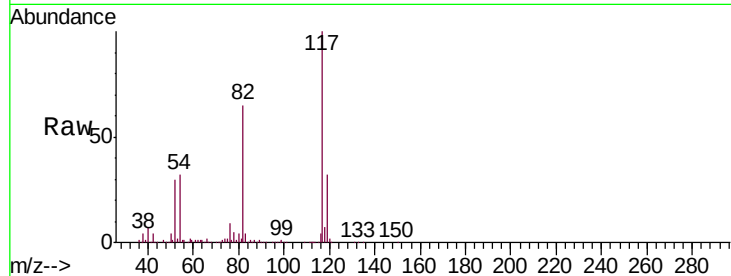




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

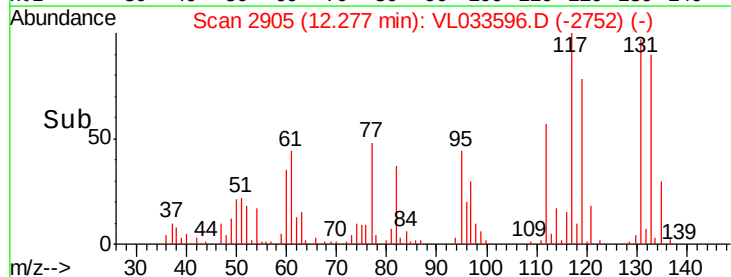
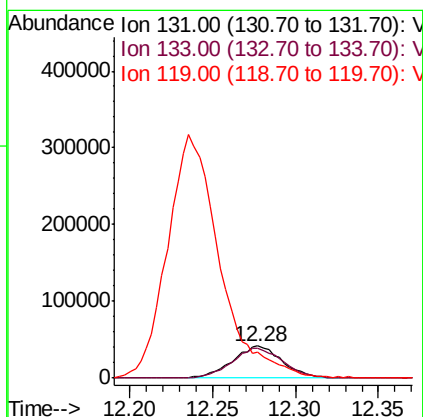
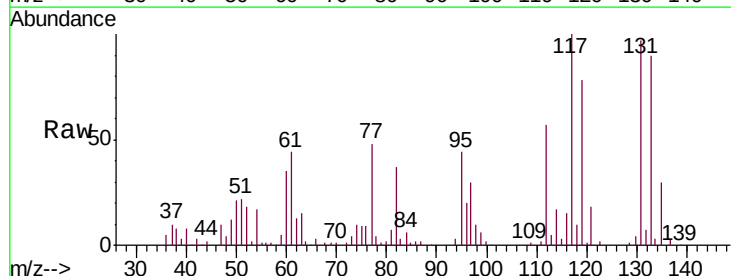
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

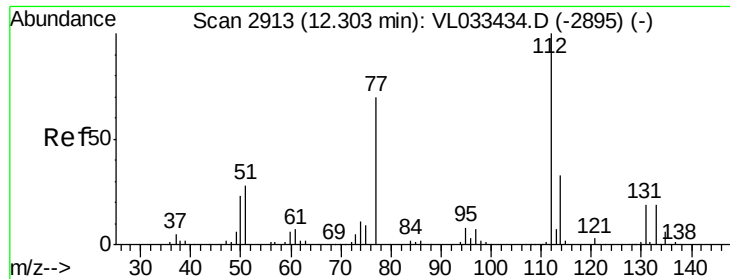
Tgt Ion:117 Resp: 2044052
Ion Ratio Lower Upper
117 100
82 65.9 51.5 77.3
119 34.1 25.5 38.3



#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#

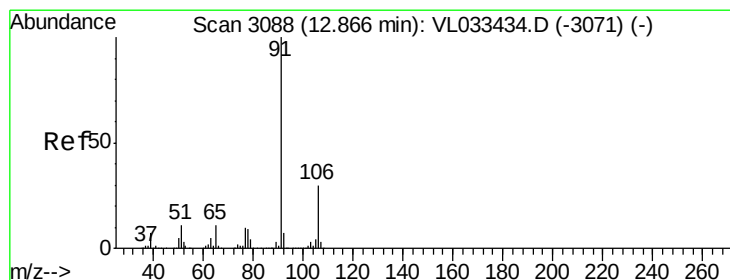
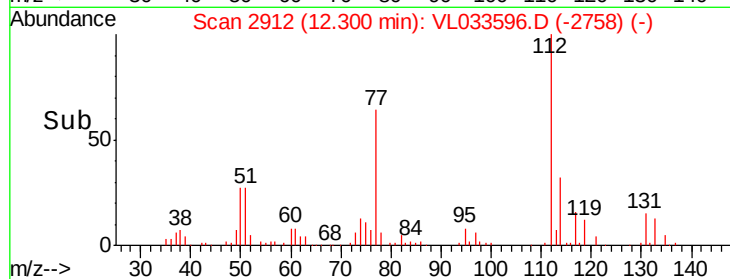
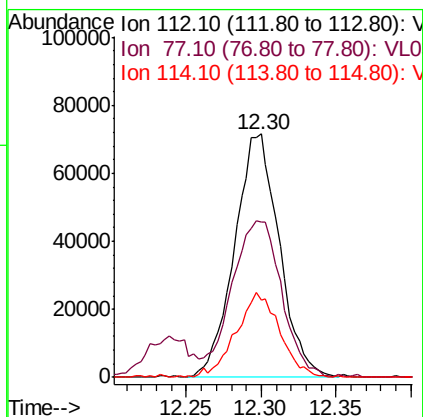
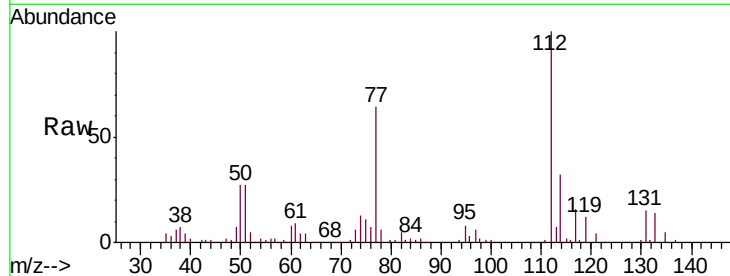




#57
Chlorobenzene
Concen: 0.939 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

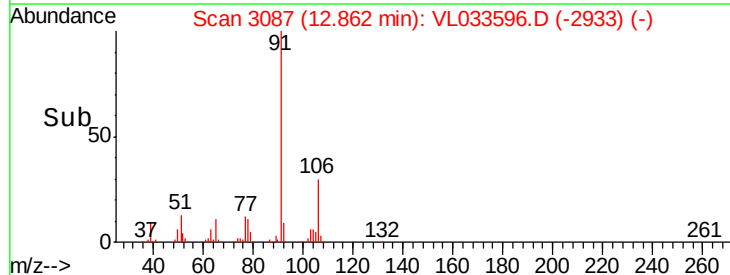
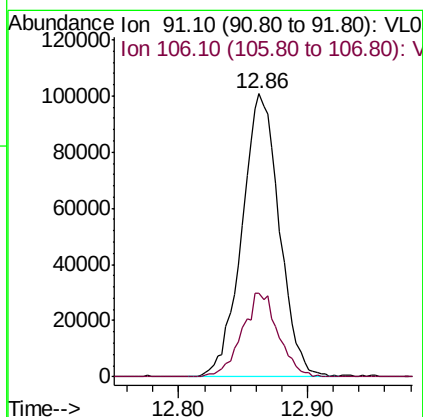
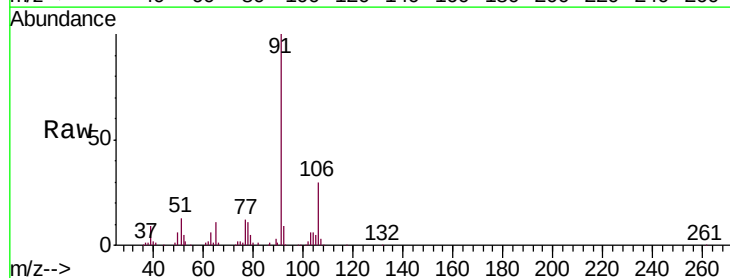
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

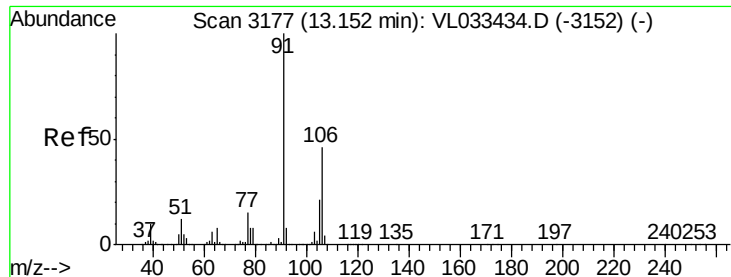
Tgt Ion: 112 Resp: 149016
Ion Ratio Lower Upper
112 100
77 62.7 57.3 85.9
114 31.2 29.8 36.4



#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

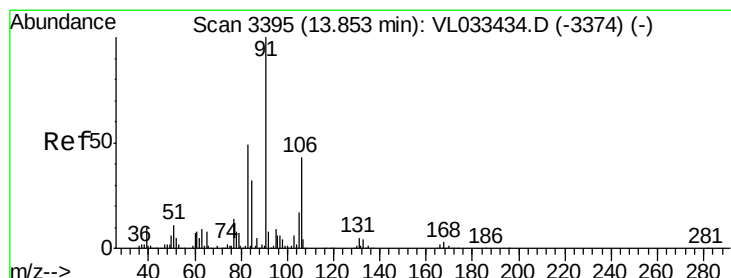
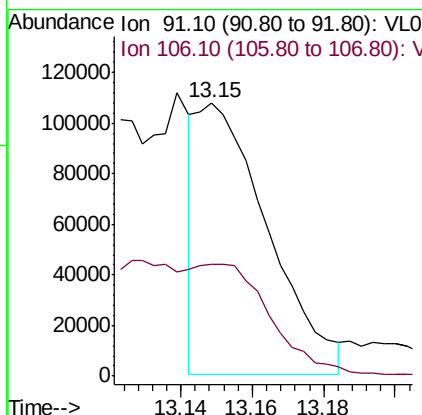
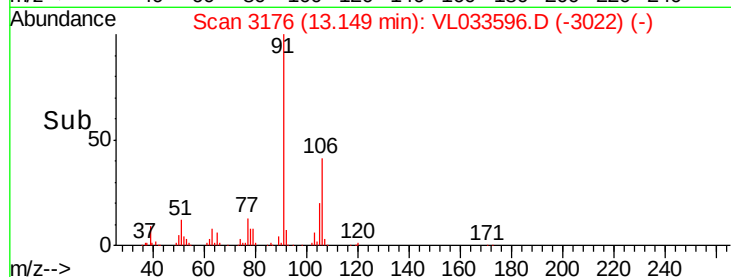
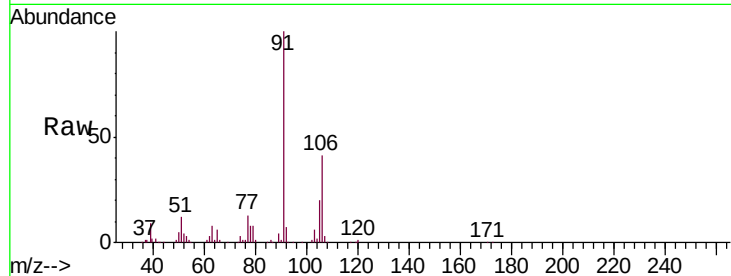




#59
m/p-Xylene
Concen: 0.603 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

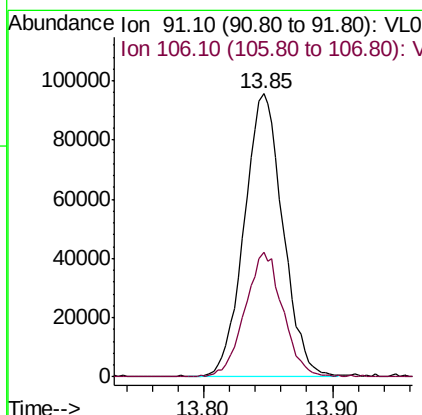
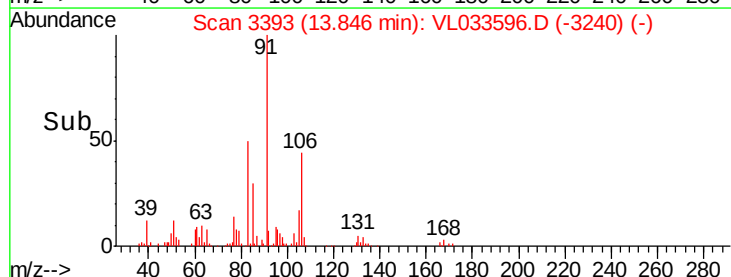
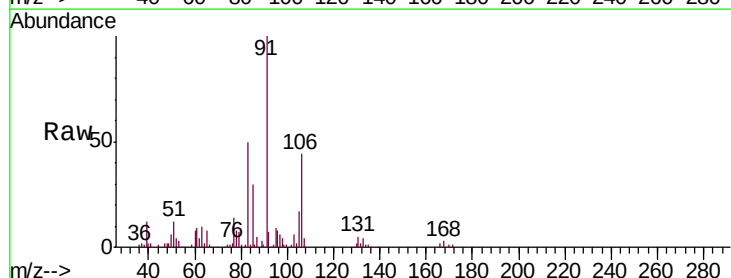
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

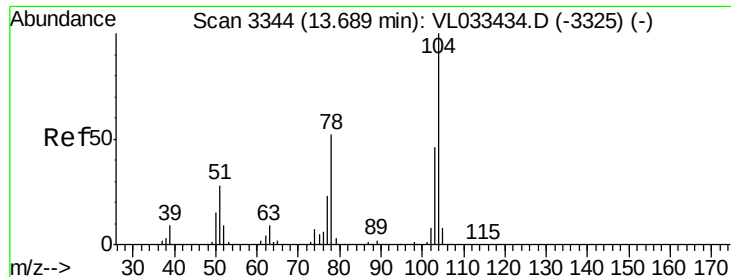
Tgt Ion: 91 Resp: 147103
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#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

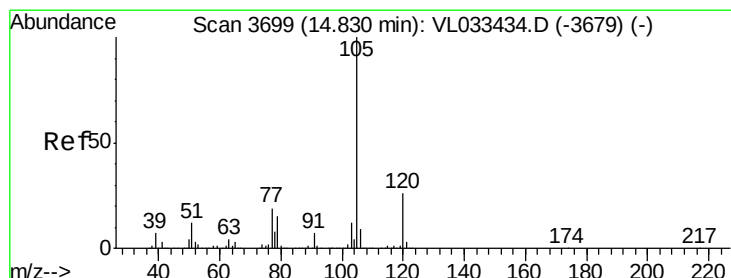
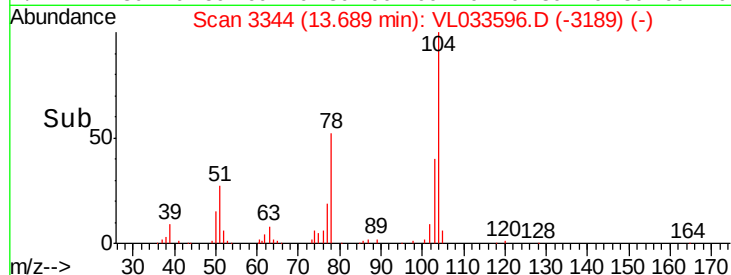
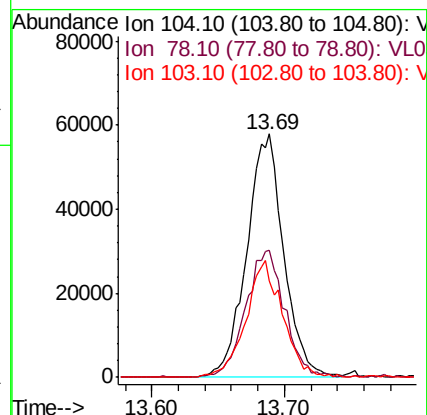
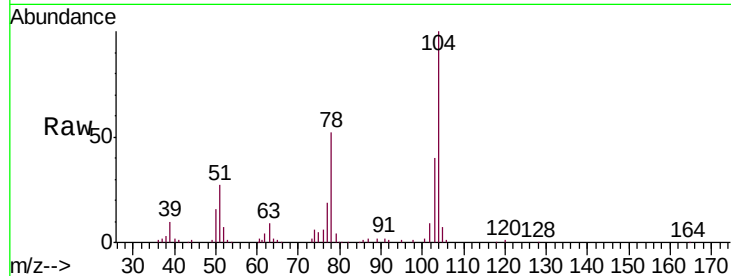




#61
Styrene
Concen: 0.692 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033596.D
Acq: 16 Apr 2019 17:29

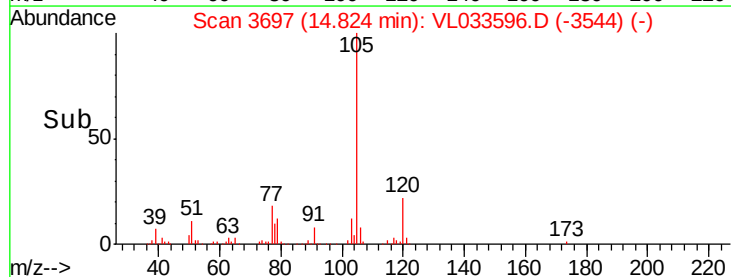
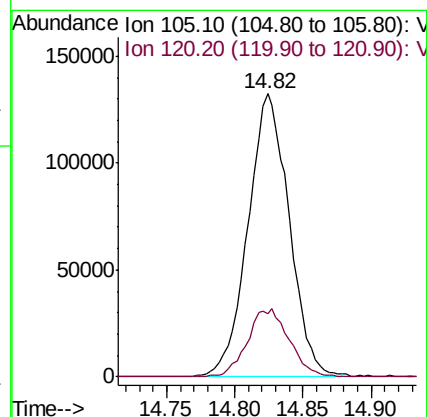
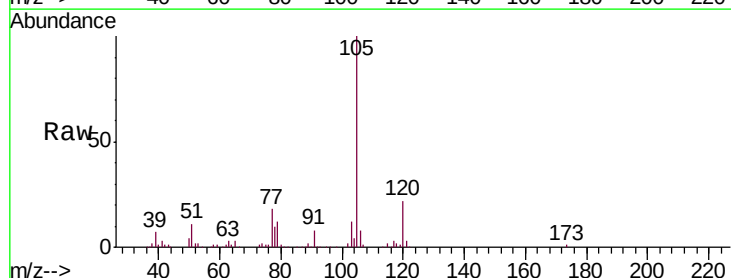
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

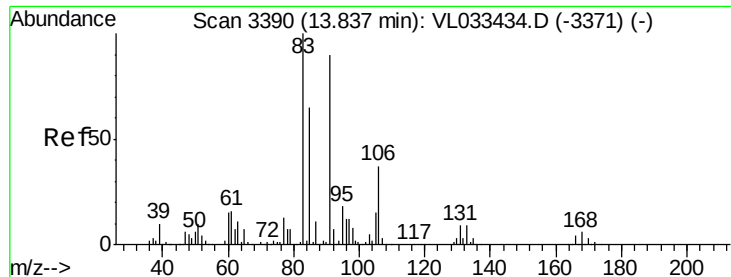
Tgt Ion:104 Resp: 111960
Ion Ratio Lower Upper
104 100
78 55.2 43.2 64.8
103 48.0 37.8 56.8



#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

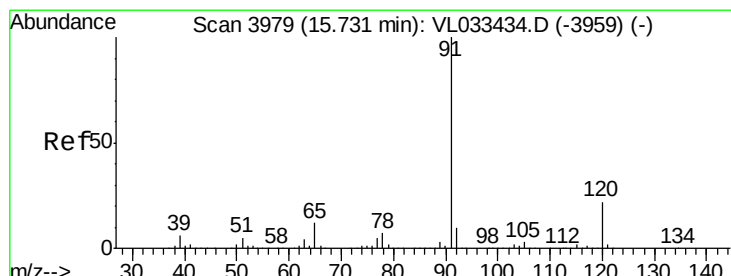
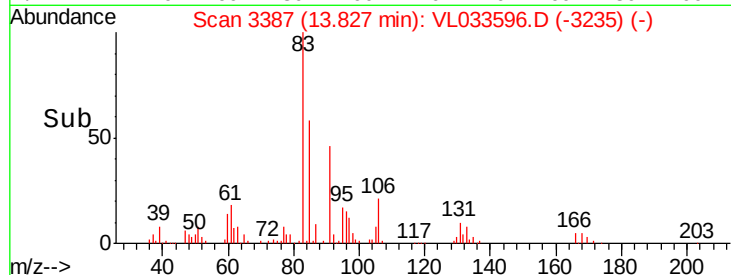
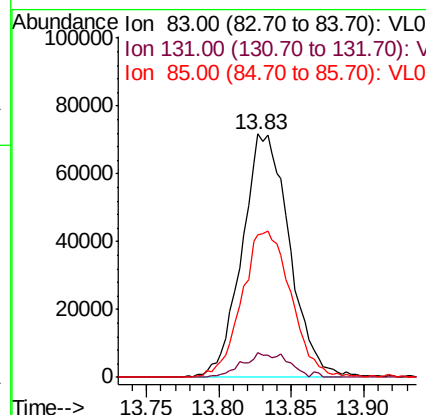
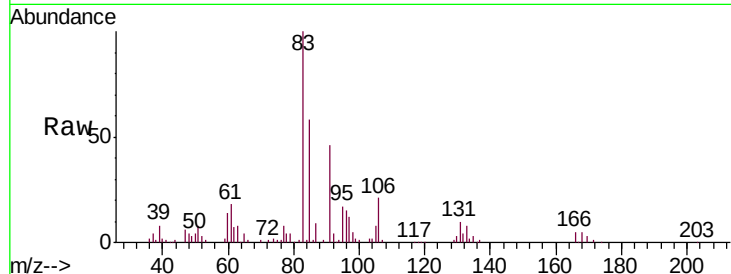




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.930 ppbv
 RT: 13.83 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

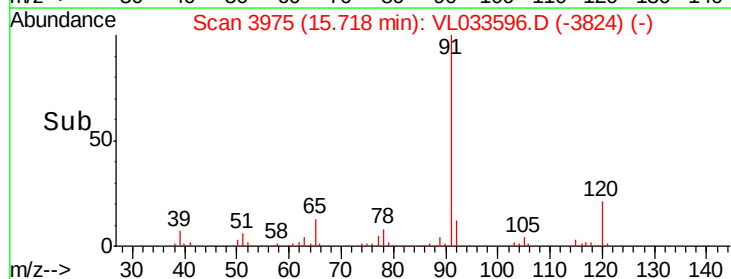
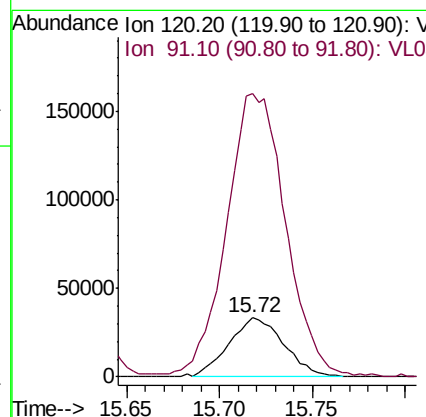
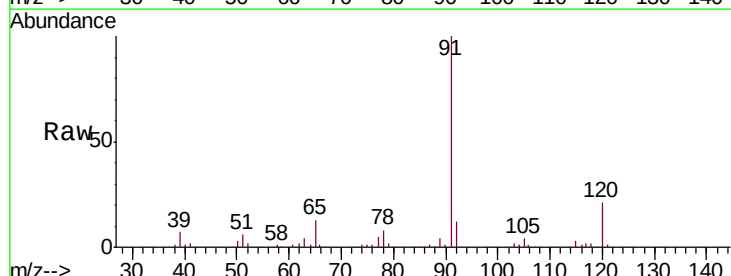
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

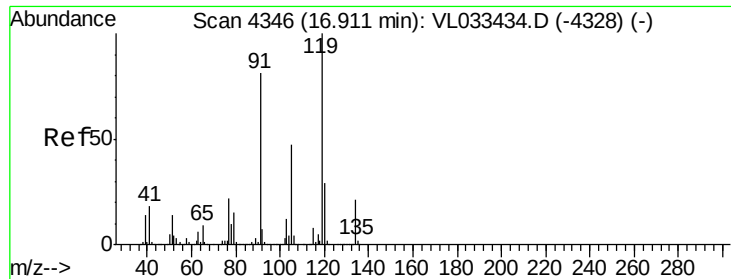
Tgt Ion: 83 Resp: 161517
 Ion Ratio Lower Upper
 83 100
 131 10.0 4.7 14.0
 85 63.5 32.7 98.1



#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

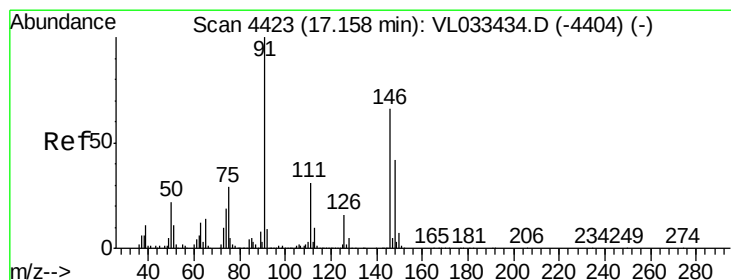
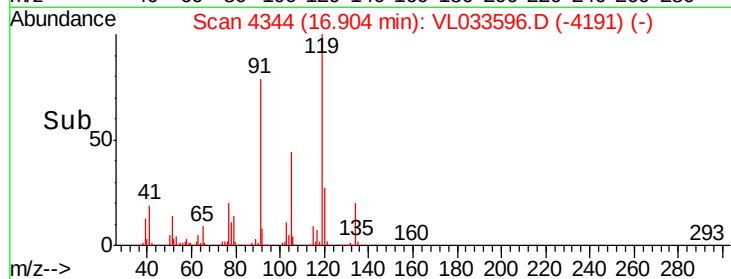
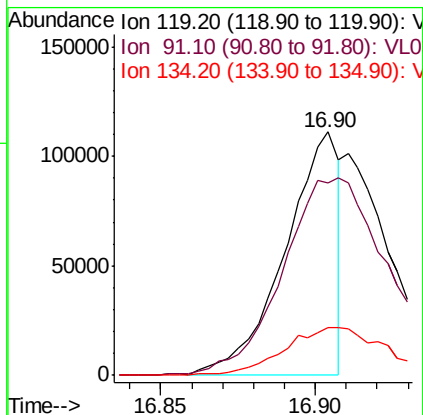
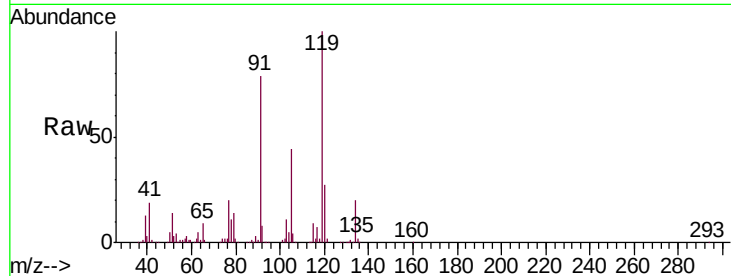




#65
 tert-Butylbenzene
 Concen: 0.458 ppbv
 RT: 16.90 min Scan# 4344
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

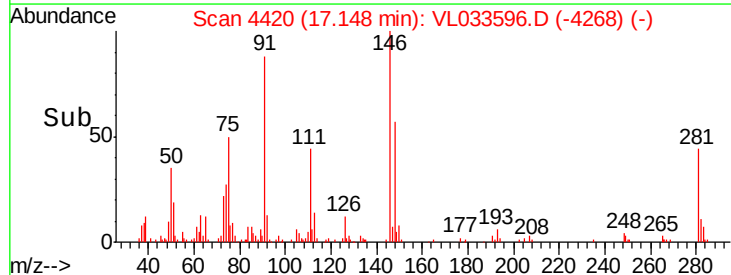
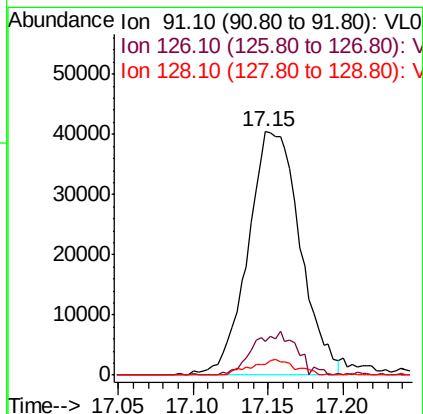
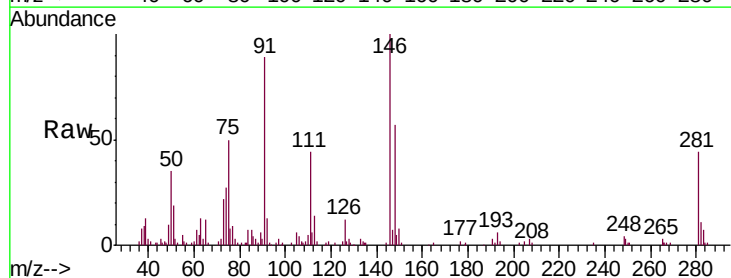
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

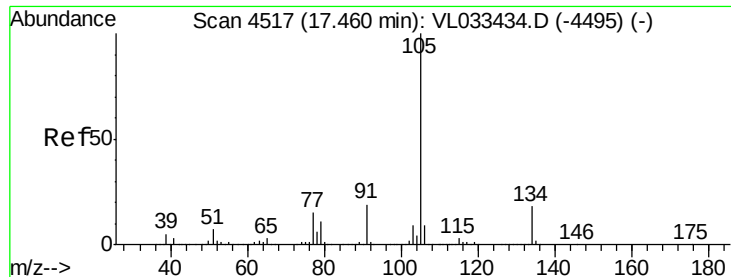
Tgt Ion: 119 Resp: 134852
 Ion Ratio Lower Upper
 119 100
 91 159.3 66.4 99.6#
 134 36.7 15.5 23.3#



#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





#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 :

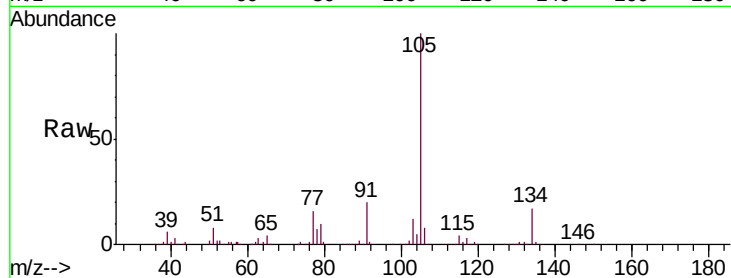
LOQ-AIR-02-QT2-2019

Tgt 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

17.45

150000

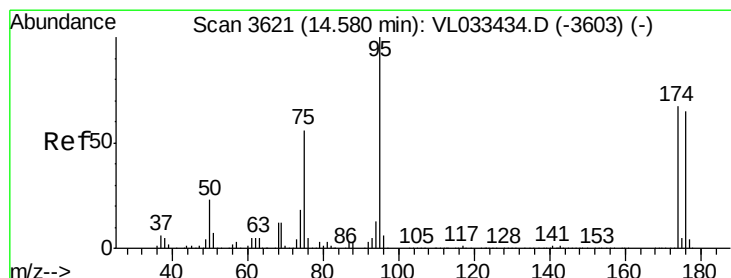
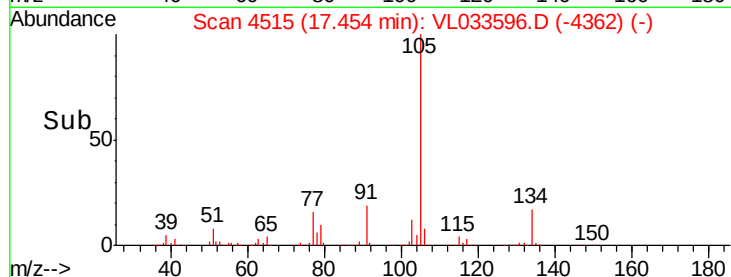
100000

50000

0

Time-->

17.40 17.50



#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

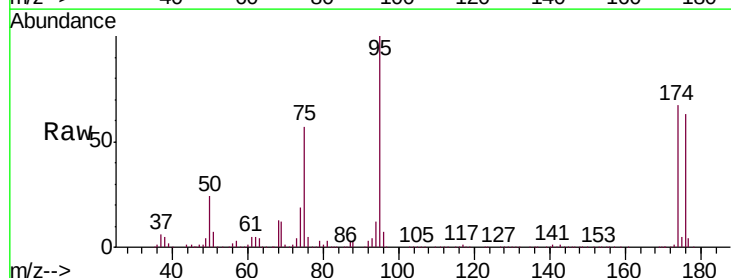
Tgt Ion: 95 Resp: 1640324

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): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1000000

800000

600000

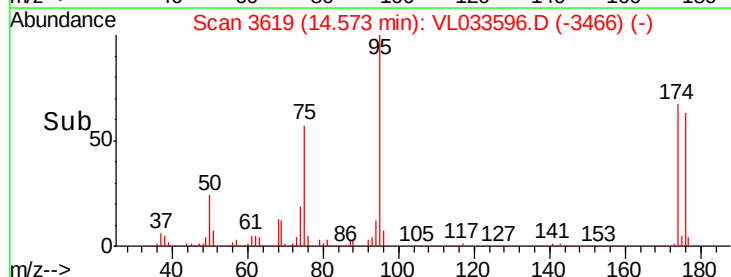
400000

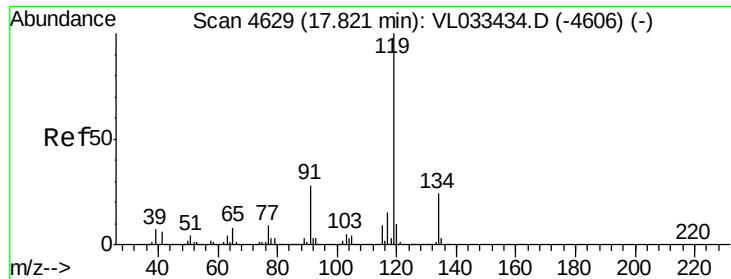
200000

0

Time-->

14.50 14.60

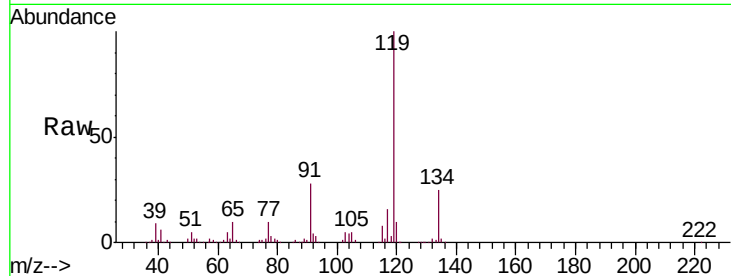




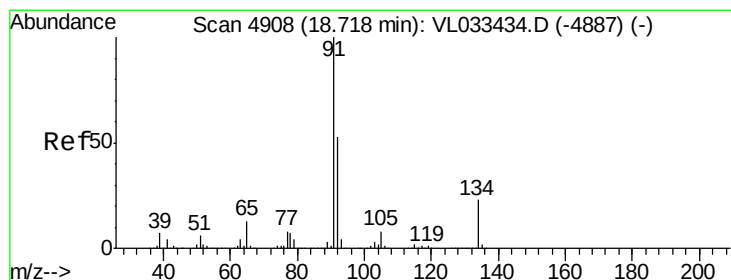
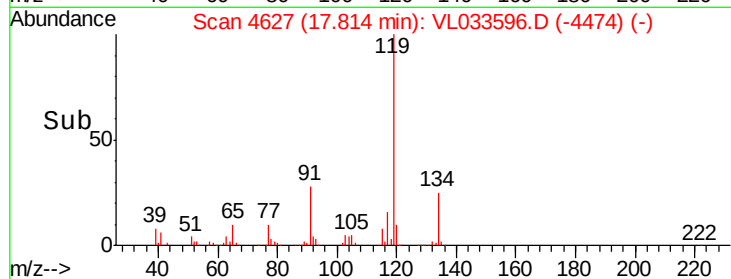
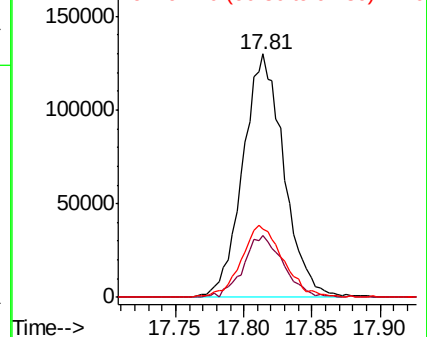
#69
 p-Isopropyltoluene
 Concen: 0.795 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

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

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

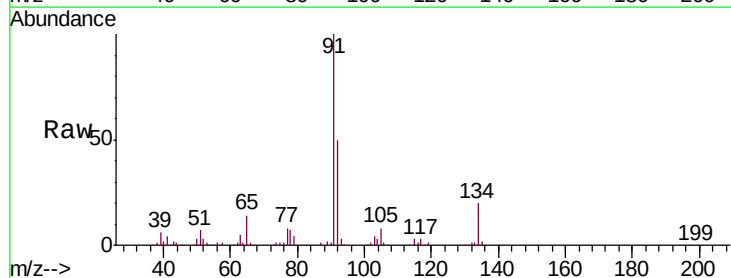


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

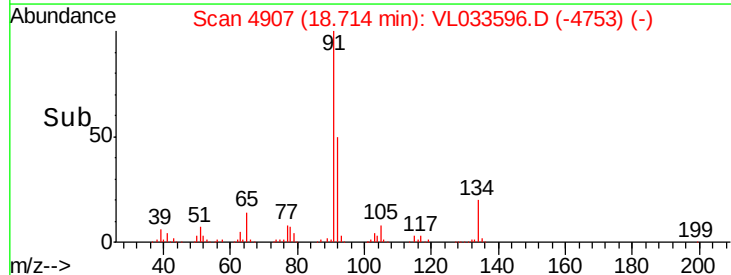
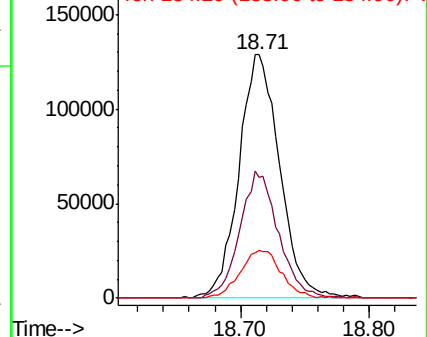


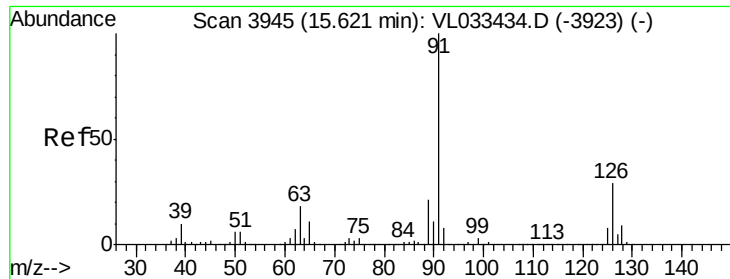
#70
 n-Butylbenzene
 Concen: 0.779 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

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

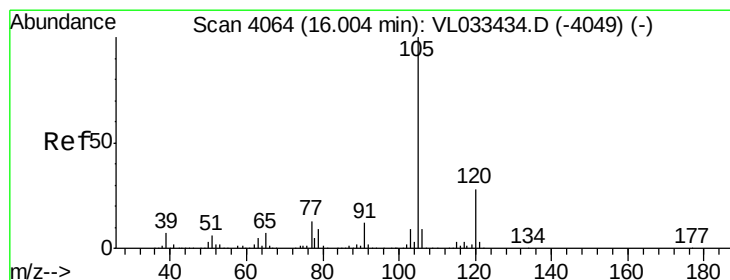
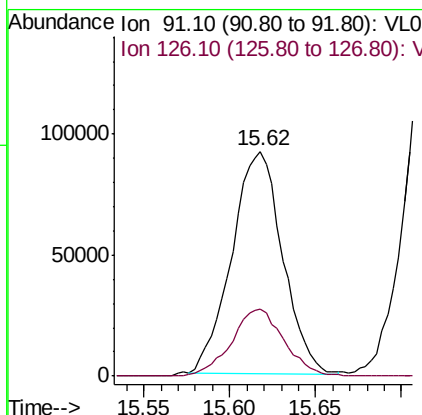
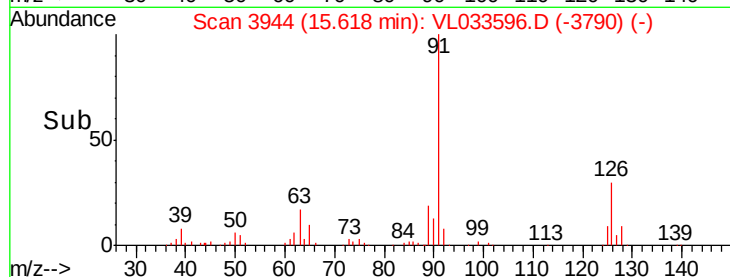
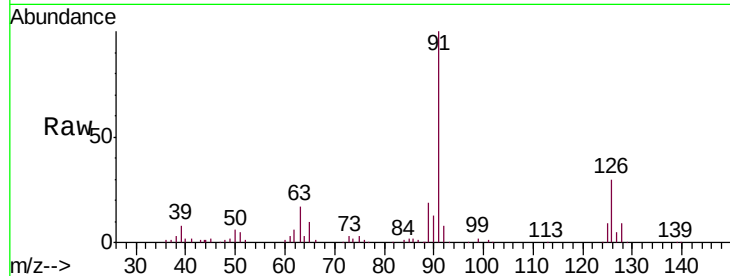




#71
 2-Chlorotoluene
 Concen: 0.740 ppbv
 RT: 15.62 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

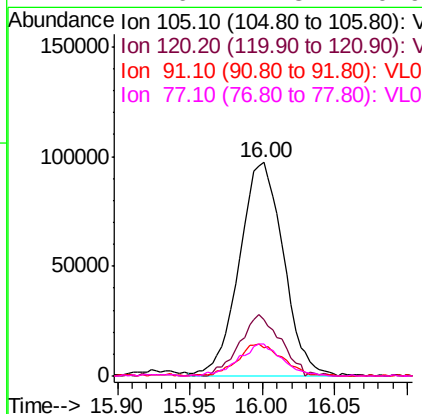
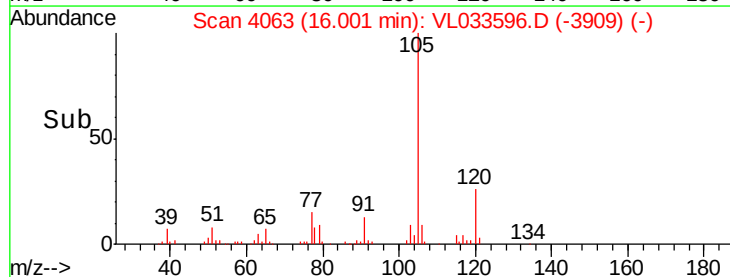
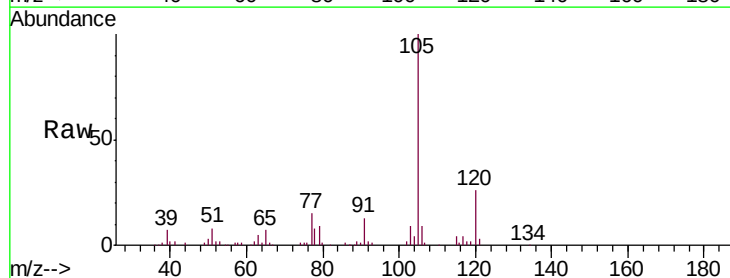
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

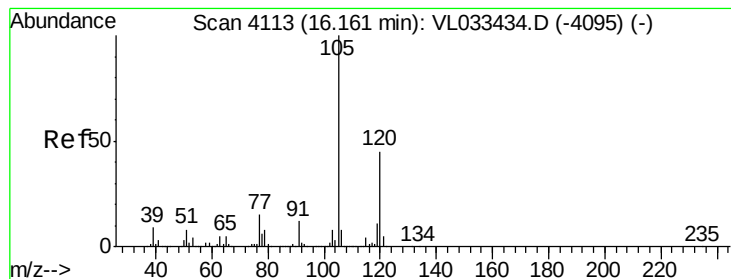
Tgt Ion: 91 Resp: 187980
 Ion Ratio Lower Upper
 91 100
 126 31.2 11.7 46.9



#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





#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 :

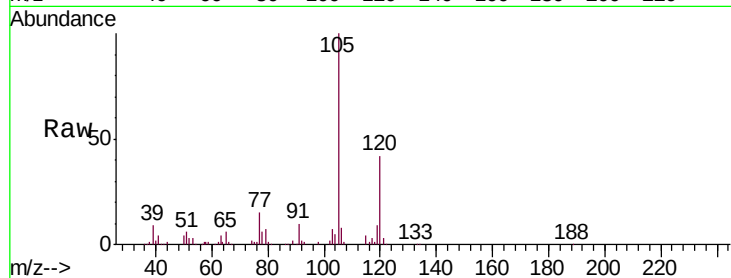
LOQ-AIR-02-QT2-2019

Tgt Ion:105 Resp: 196598

Ion Ratio Lower Upper

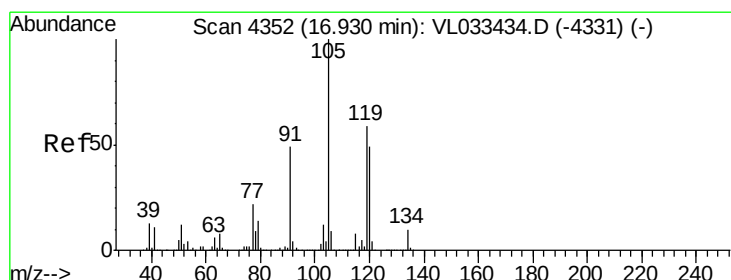
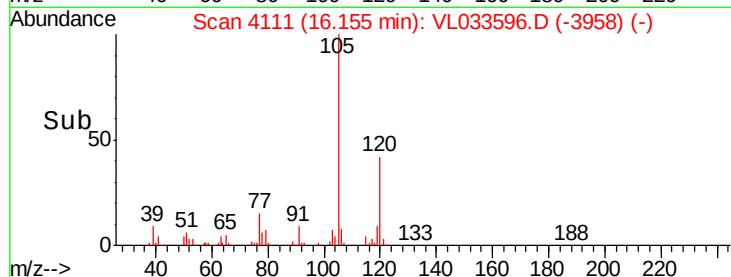
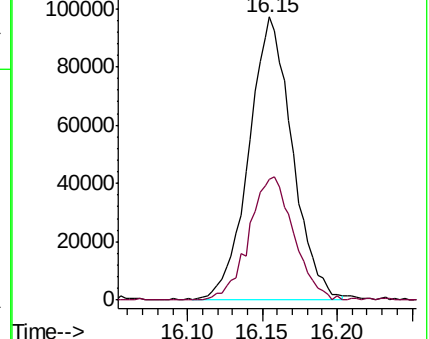
105 100

120 42.5 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: 0.812 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

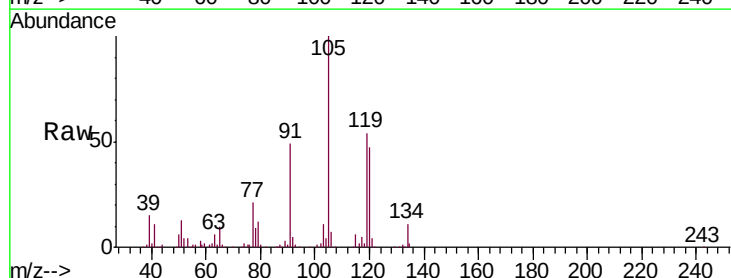
Ion Ratio Lower Upper

105 100

120 46.6 39.0 58.6

91 48.7 40.0 60.0

77 21.0 17.5 26.3

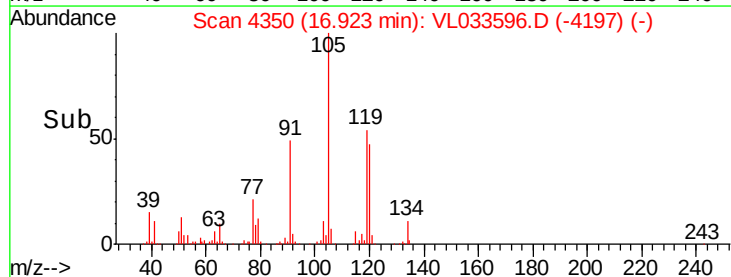
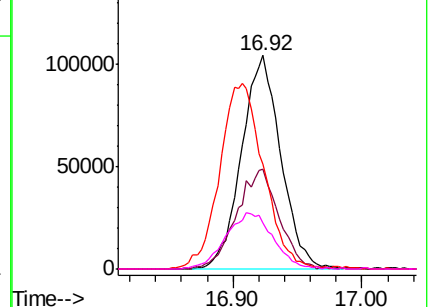


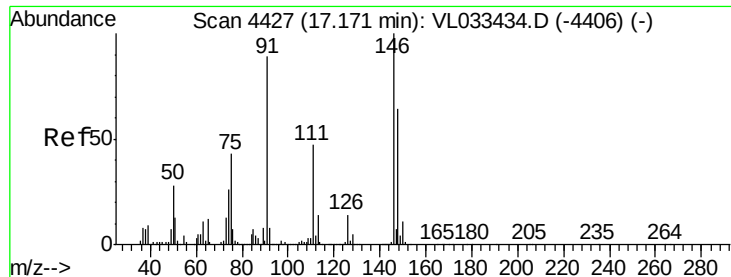
Abundance Ion 105.10 (104.80 to 105.80): V

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

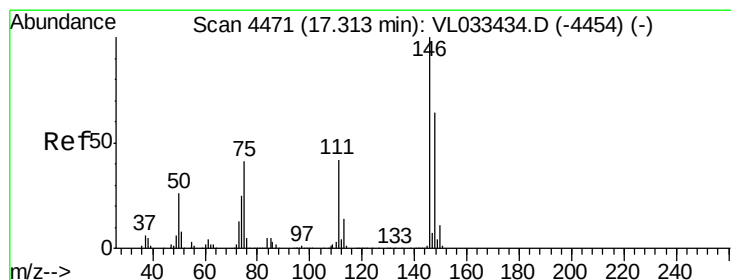
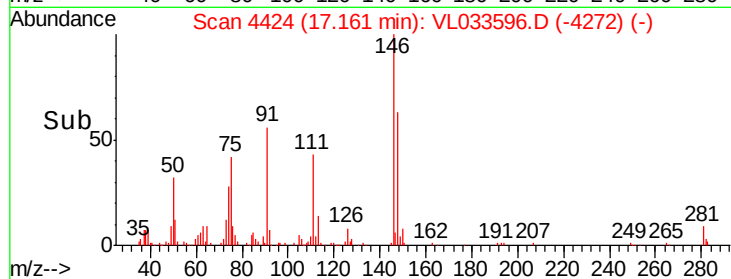
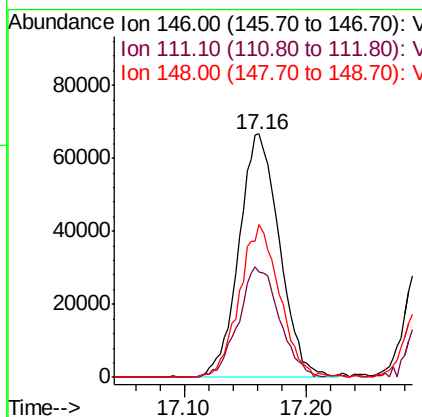
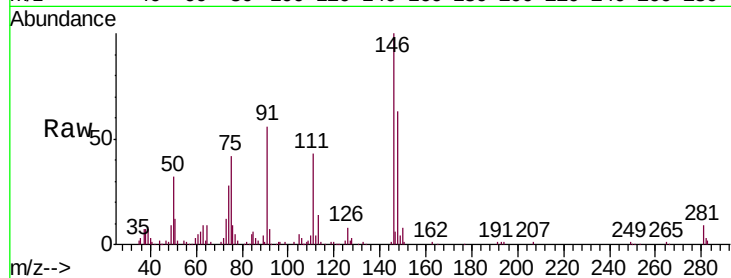




#75
 1,3-Dichlorobenzene
 Concen: 0.909 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

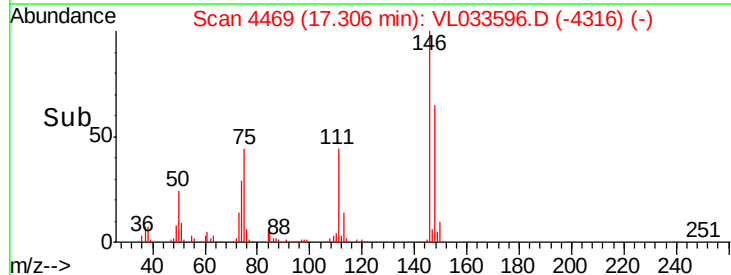
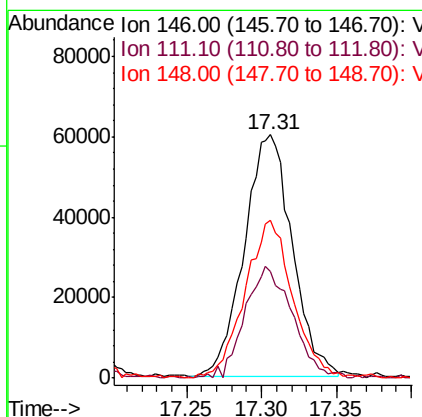
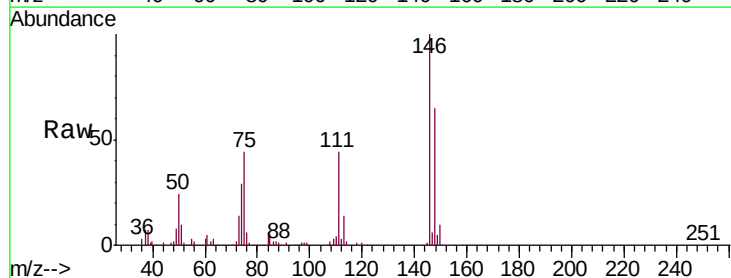
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

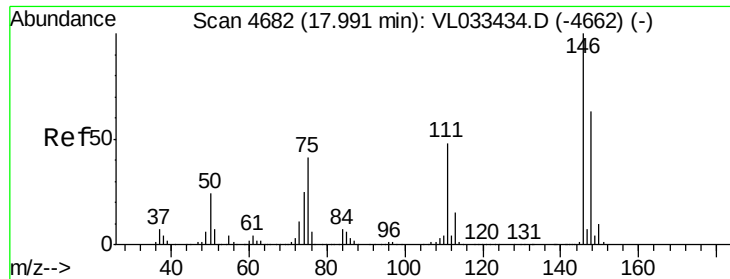
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.8
148	62.2	32.0	96.2



#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

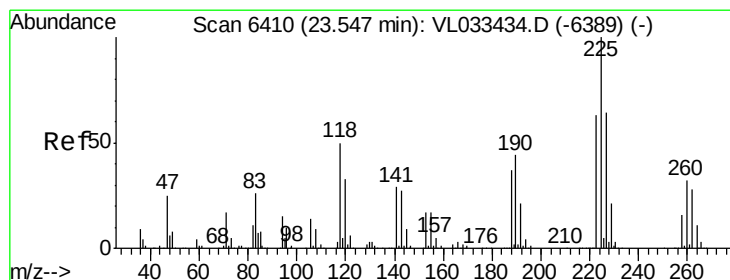
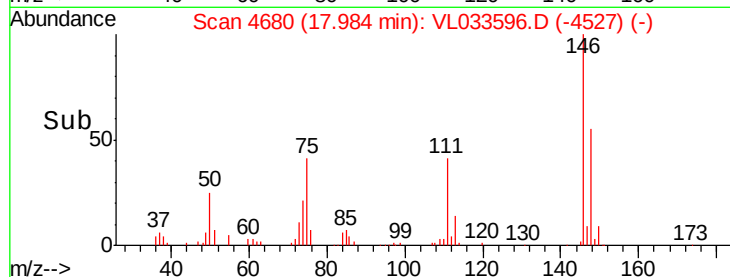
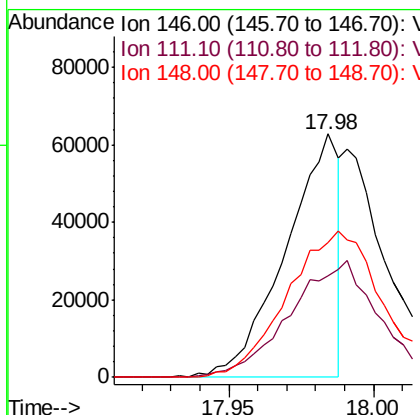
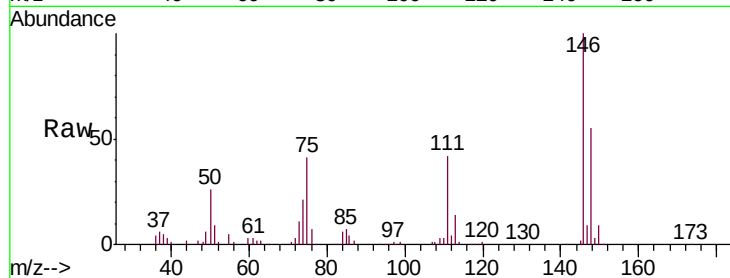




#77
 1,2-Dichlorobenzene
 Concen: 0.506 ppbv
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.01 min
 Lab File: VL033596.D
 Acq: 16 Apr 2019 17:29

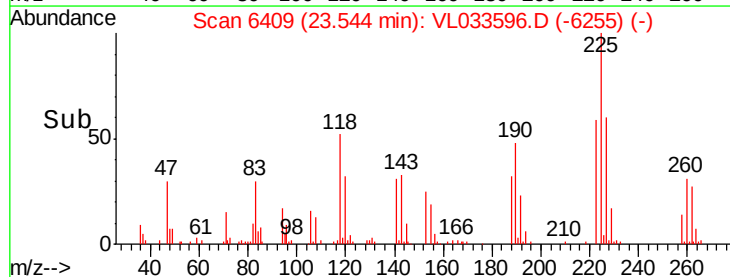
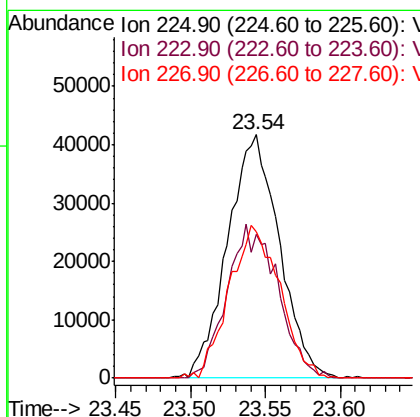
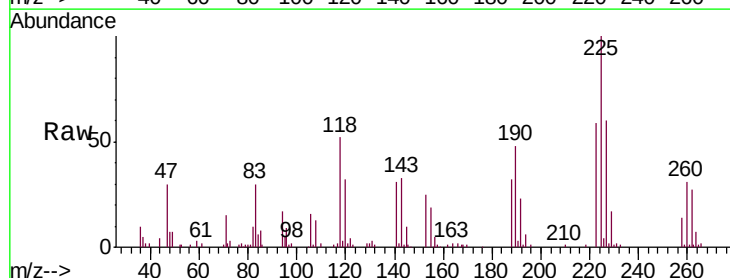
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

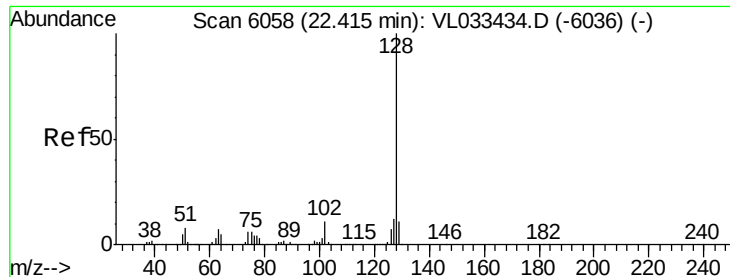
Tgt Ion:146 Resp: 80583
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.5 70.5#
 148 0.0 32.0 96.0#



#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





#79

Naphthalene

Concen: 0.157 ppbv

RT: 22.41 min Scan# 6057

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

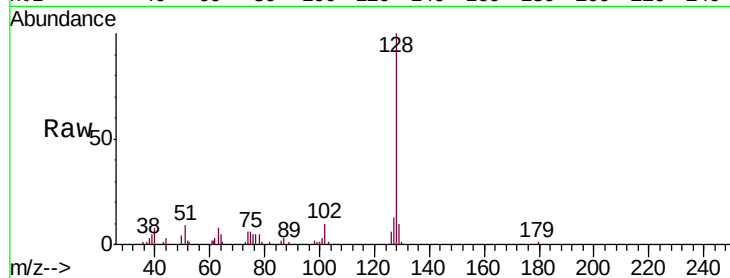
Tgt Ion:128 Resp: 36479

Ion Ratio Lower Upper

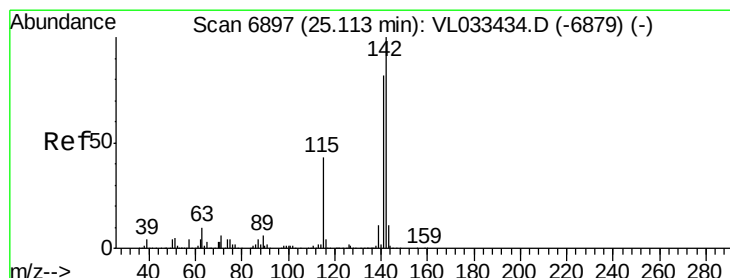
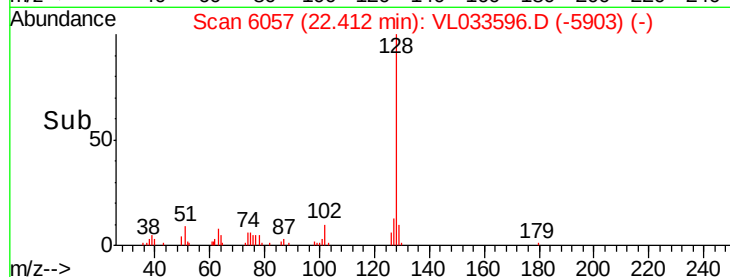
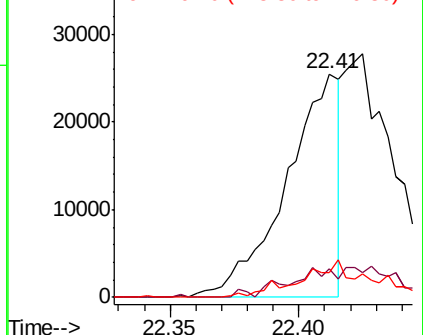
128 100

127 12.7 9.8 14.8

129 10.9 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

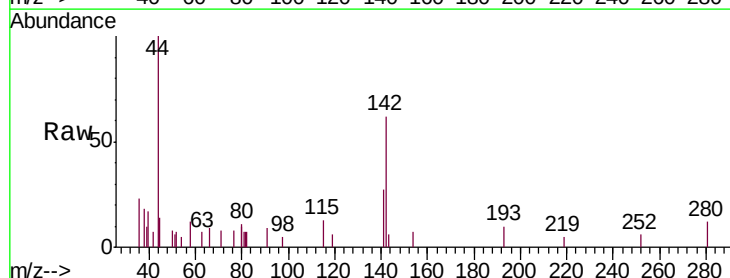
Tgt Ion:142 Resp: 4076

Ion Ratio Lower Upper

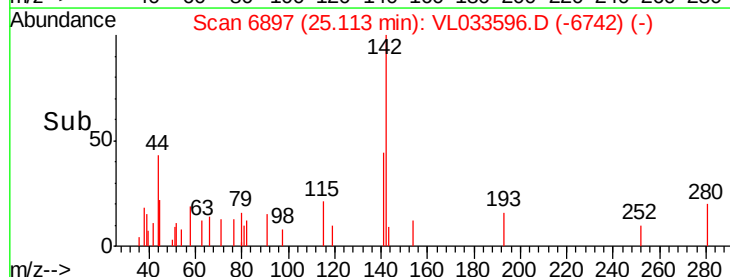
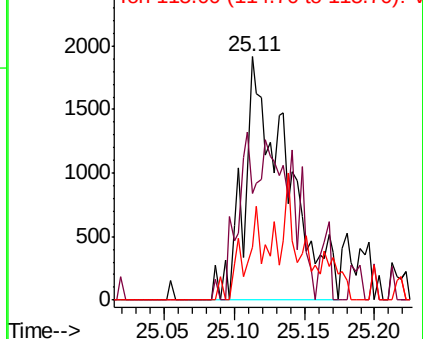
142 100

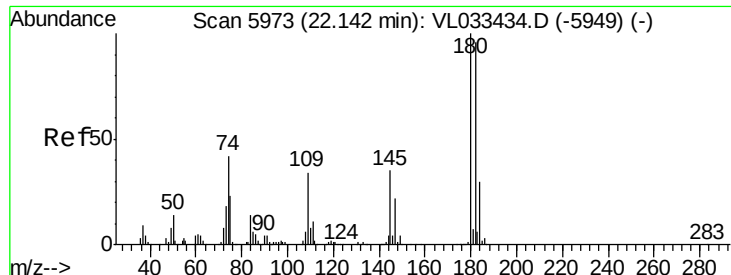
141 90.2 66.6 99.8

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

Tgt Ion:180 Resp: 64468
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.4
 184 31.3 24.6 36.8

