

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035772.D
 Acq On : 12 Oct 2020 21:47
 Operator : SY/AP
 Sample : L4214-14 L00 0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Quant Time: Oct 13 00:07:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1039523	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4418950	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4317341	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.43	95	3157361	9.76	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	129639	0.760	ppbv	95
3) Chlorodifluoromethane	2.98	51	63156	0.565	ppbv	100
4) Chloromethane	3.13	50	34484	0.574	ppbv	93
5) Vinyl Chloride	3.25	62	39623	0.558	ppbv	99
6) Bromomethane	3.47	94	34977	0.582	ppbv	97
7) Chloroethane	3.55	64	14439	0.554	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	128163	0.619	ppbv	97
9) Propene	3.00	41	23975	0.590	ppbv	99
10) Heptane	8.12	43	57621	0.509	ppbv	98
11) Trichlorofluoromethane	3.94	101	141376	0.581	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	104053	0.574	ppbv	98
13) Ethanol	3.60	45	6457	0.645	ppbv	99
14) Bromoethene	3.73	108	44522	0.583	ppbv	99
15) Acetone	3.85	43	76306	0.682	ppbv #	85
16) 1,3-Butadiene	3.32	39	22028	0.538	ppbv	96
17) tert-Butyl alcohol	4.30	59	82866	0.680	ppbv	100
18) 1,1-Dichloroethene	4.29	96	46720	0.588	ppbv	94
19) Isopropyl Alcohol	3.97	45	40668	0.668	ppbv #	95
20) Methylene Chloride	4.34	84	54175	0.659	ppbv	98
21) Allyl Chloride	4.41	41	30434	0.561	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	47139	0.562	ppbv	93
23) Vinyl Acetate	5.07	43	78525	0.573	ppbv	99
24) 1,1-Dichloroethane	5.01	63	86068	0.577	ppbv	99
25) Ethyl Acetate	5.68	43	114831	0.571	ppbv	99
26) Hexane	5.69	57	62251	0.564	ppbv	96
27) Carbon Disulfide	4.55	76	81713	0.497	ppbv #	96
28) Methyl tert-Butyl Ether	5.04	73	111819	0.640	ppbv	100
29) Chloroform	5.75	83	130822	0.584	ppbv	99
30) Cyclohexane	7.13	84	55312	0.508	ppbv	88
31) cis-1,2-Dichloroethene	5.55	61	59594	0.560	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	116986	0.593	ppbv	97
34) 2-Butanone	5.25	43	73173	0.501	ppbv	96
35) Carbon Tetrachloride	7.02	117	110967	0.482	ppbv	97
36) Benzene	6.89	78	153709	0.534	ppbv	96
37) 1,2-Dichloroethane	6.30	62	75784	0.505	ppbv	99
38) Trichloroethene	7.83	130	76026	0.529	ppbv	95
39) 1,2-Dichloropropane	7.62	63	20953	0.201	ppbv	99
40) 1,4-Dioxane	7.86	88	8705	0.182	ppbv #	1
41) Tetrahydrofuran	6.07	42	32158	0.437	ppbv	99
42) Bromodichloromethane	7.79	83	112614	0.466	ppbv #	96
43) Methyl Methacrylate	8.02	69	52162	0.455	ppbv	97

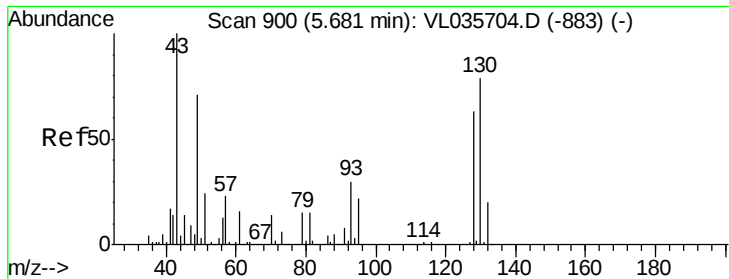
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	204196	0.494	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	22752	0.197	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	60180	0.422	ppbv	92
47) 1,1,2-Trichloroethane	9.48	97	45639	0.305	ppbv	95
48) Dibromochloromethane	10.31	129	97782	0.430	ppbv	100
49) Bromoform	13.05	173	77187	0.400	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	93795	0.439	ppbv	99
51) 2-Hexanone	10.16	43	70633	0.411	ppbv #	98
52) Tetrachloroethene	11.23	164	79226	0.572	ppbv	97
53) Toluene	9.81	91	170322	0.502	ppbv	97
54) 1,2-Dibromoethane	10.61	107	115762	0.517	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.14	131	91919	0.508	ppbv #	1
57) Chlorobenzene	12.16	112	191178	0.586	ppbv #	91
58) Ethyl Benzene	12.73	91	222948	0.515	ppbv	93
59) m/p-Xylene	13.01	91	232686	0.615	ppbv #	48
60) o-Xylene	13.71	91	203660	0.532	ppbv	99
61) Styrene	13.54	104	119347	0.451	ppbv	96
62) Isopropylbenzene	14.68	105	335416	0.565	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.69	83	164194	0.523	ppbv	98
64) n-propylbenzene	15.58	120	93308	0.537	ppbv	74
65) tert-Butylbenzene	16.76	119	296998	0.550	ppbv	96
66) Benzyl Chloride	17.00	91	66144	0.404	ppbv	94
67) sec-Butylbenzene	17.31	105	417487	0.560	ppbv	95
69) p-Isopropyltoluene	17.67	119	334515	0.552	ppbv	93
70) n-Butylbenzene	18.57	91	334277	0.535	ppbv	92
71) 2-Chlorotoluene	15.47	91	230601	0.532	ppbv	98
72) 4-Ethyltoluene	15.86	105	237115	0.523	ppbv	96
73) 1,3,5-Trimethylbenzene	16.02	105	225485	0.526	ppbv	92
74) 1,2,4-Trimethylbenzene	16.78	105	271740	0.563	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	203021	0.616	ppbv	97
76) 1,4-Dichlorobenzene	17.16	146	187001	0.593	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	188268	0.604	ppbv	97
78) Hexachloro-1,3-Butadiene	23.40	225	84935	0.494	ppbv	99
79) Naphthalene	22.23	128	238245	0.517	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	23222	0.214	ppbv	97
81) 1,2,4-Trichlorobenzene	21.96	180	136051	0.570	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

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MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

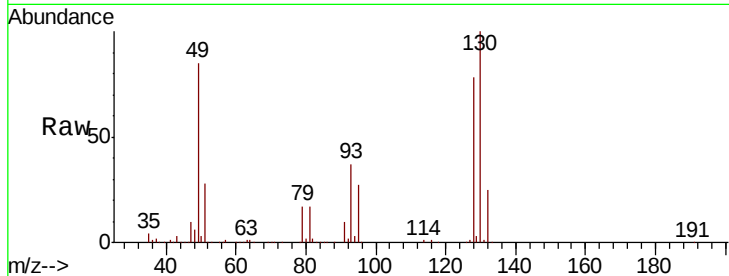
Tot Ion: 49 Resp: 1039523

Ion Ratio Lower Upper

49 100

128 91.9 43.1 129.4

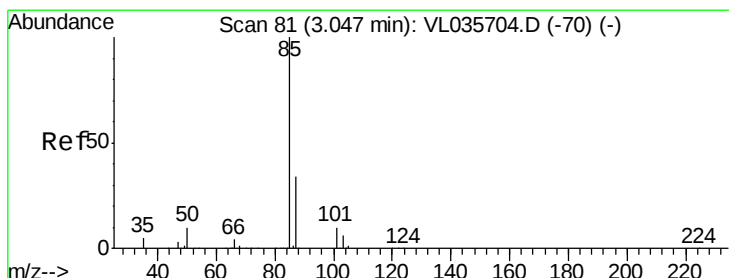
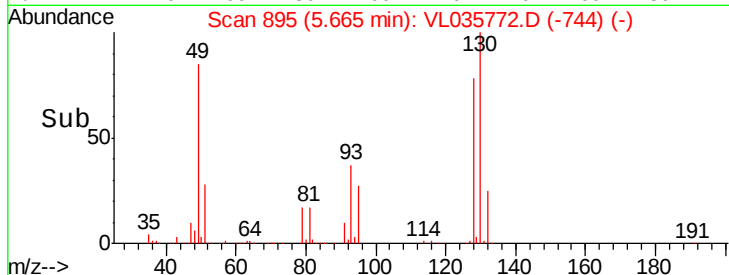
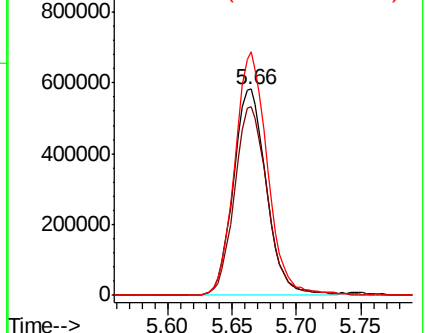
130 118.0 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.760 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035772.D

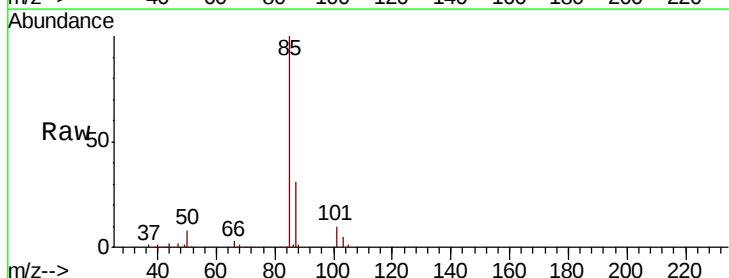
Acq: 12 Oct 2020 21:47

Tgt Ion: 85 Resp: 129639

Ion Ratio Lower Upper

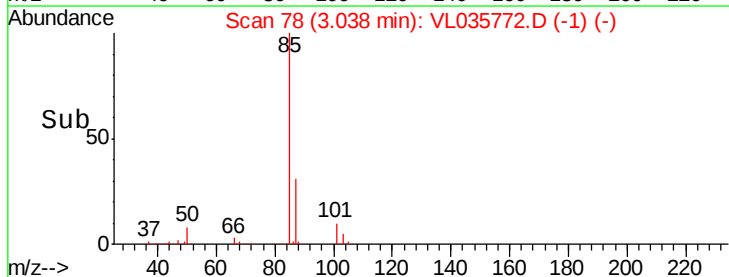
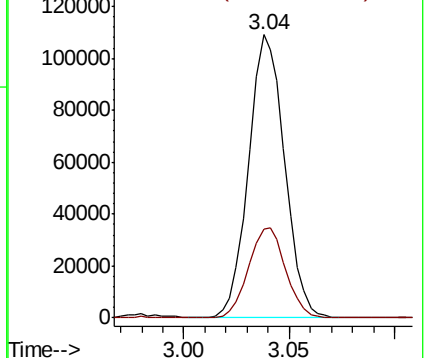
85 100

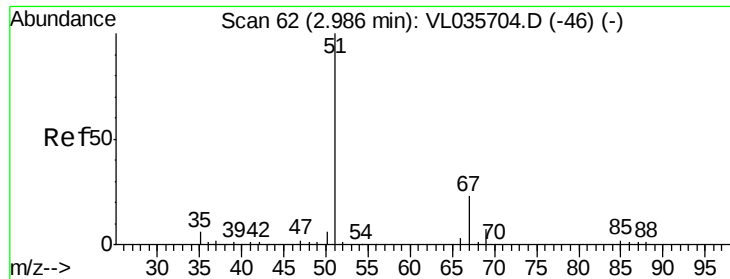
87 31.5 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.565 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

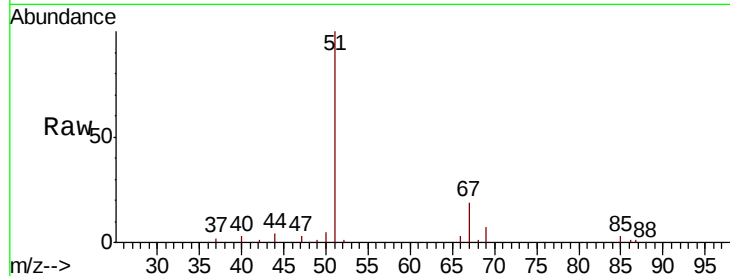
LOQ-AIR-01-QT4-2020

Tot Ion: 51 Resp: 63156

Ion Ratio Lower Upper

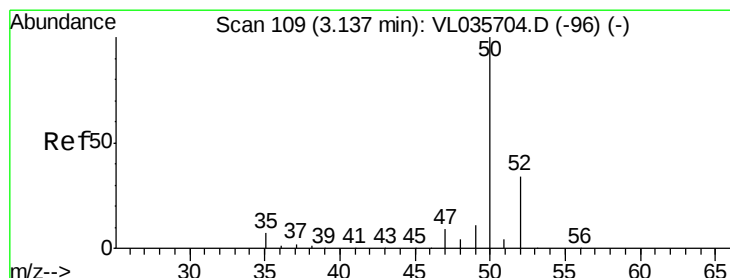
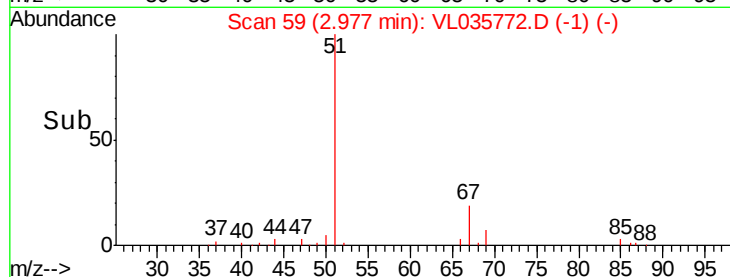
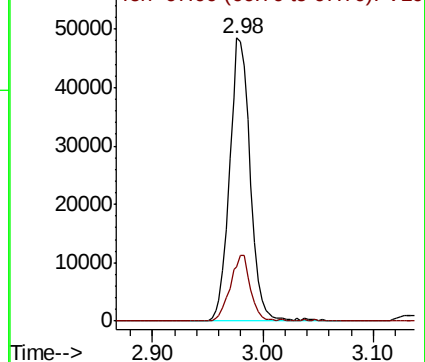
51 100

67 22.4 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.574 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035772.D

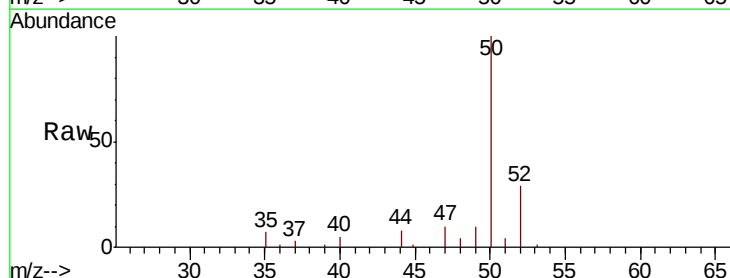
Acq: 12 Oct 2020 21:47

Tgt Ion: 50 Resp: 34484

Ion Ratio Lower Upper

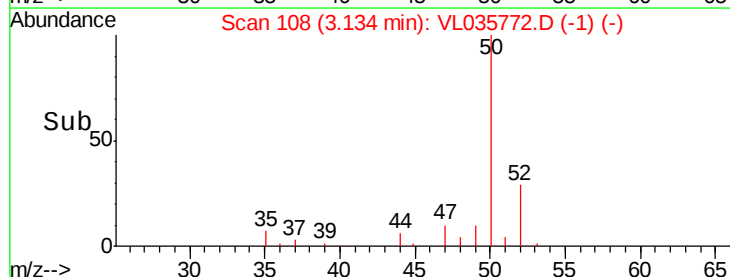
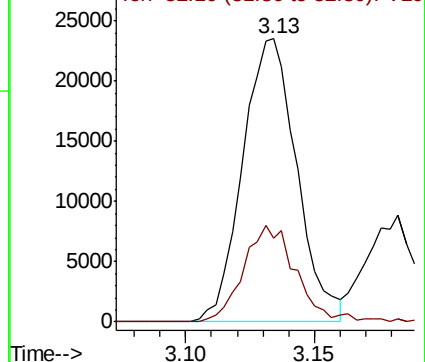
50 100

52 29.5 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.558 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

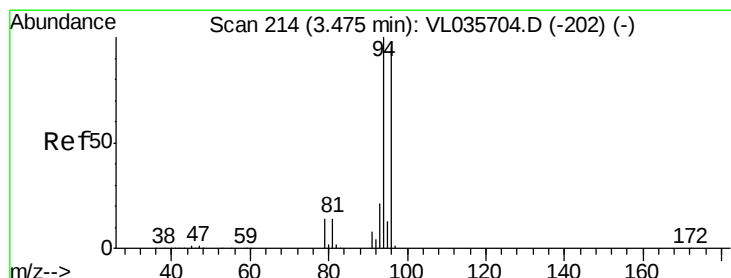
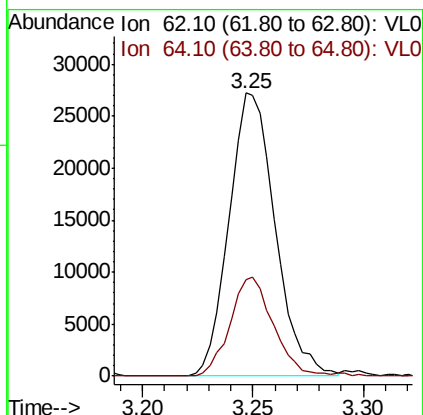
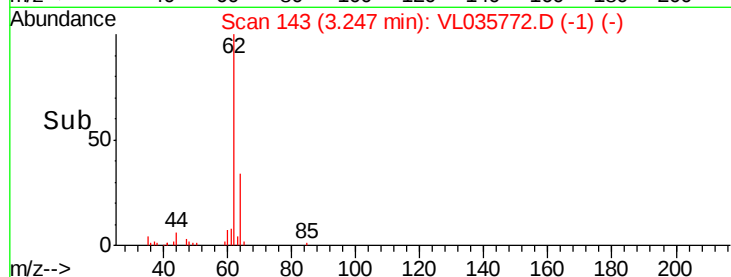
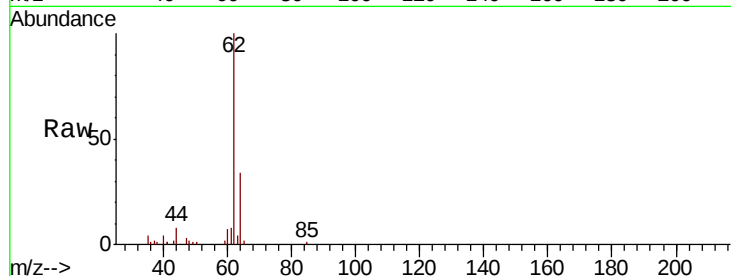
LOQ-AIR-01-QT4-2020

Tot Ion: 62 Resp: 39623

Ion Ratio Lower Upper

62 100

64 34.1 26.8 40.2



#6

Bromomethane

Concen: 0.582 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL035772.D

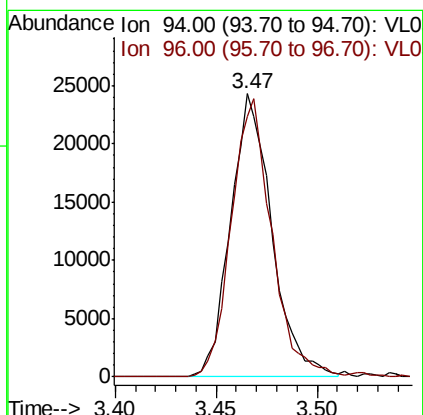
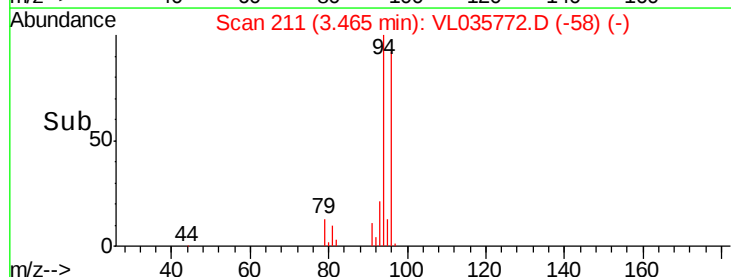
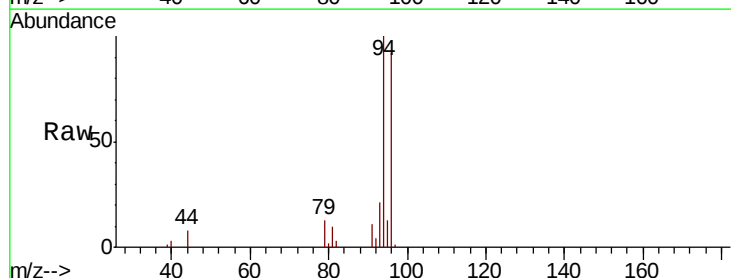
Acq: 12 Oct 2020 21:47

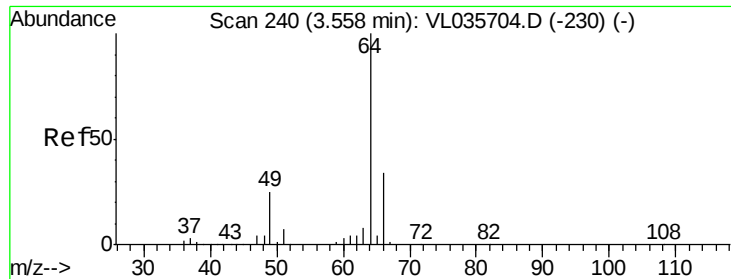
Tgt Ion: 94 Resp: 34977

Ion Ratio Lower Upper

94 100

96 92.0 76.3 114.5





#7

Chloroethane

Concen: 0.554 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

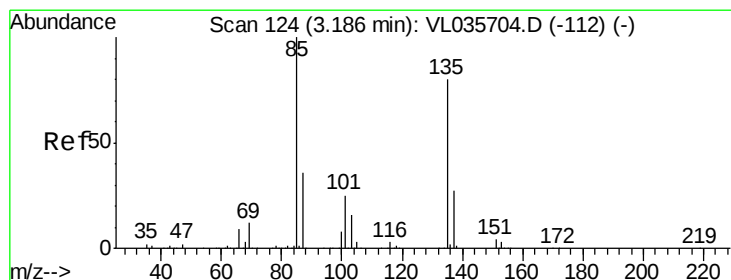
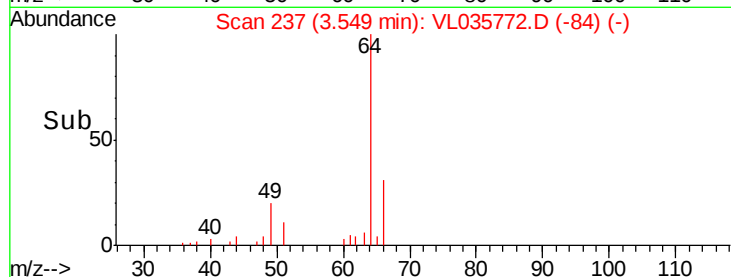
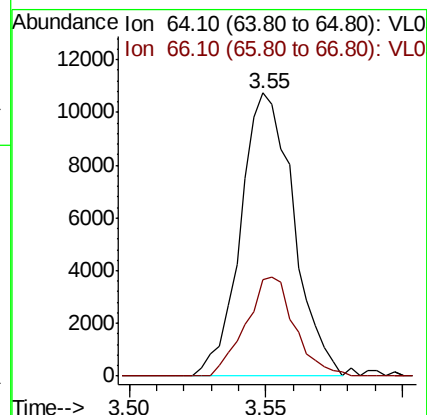
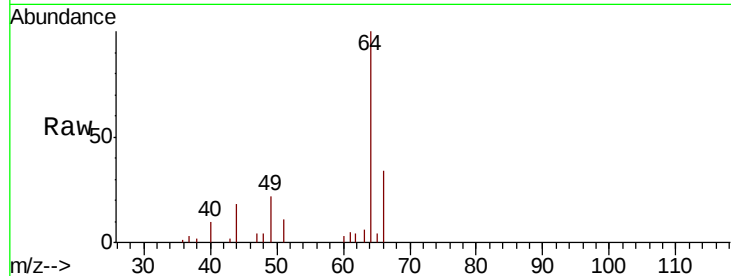
LOQ-AIR-01-QT4-2020

Tot Ion: 64 Resp: 14439

Ion Ratio Lower Upper

64 100

66 34.0 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 0.619 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL035772.D

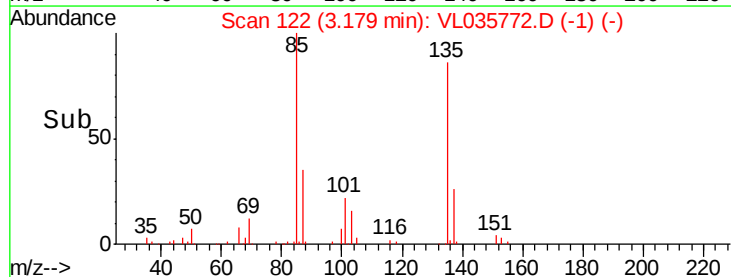
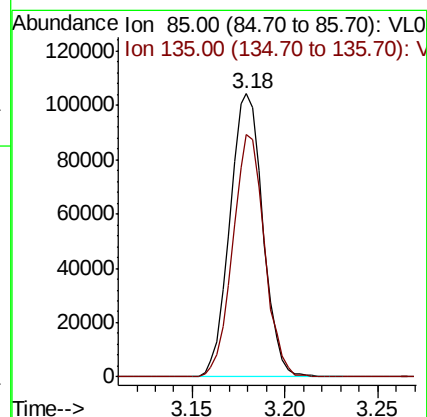
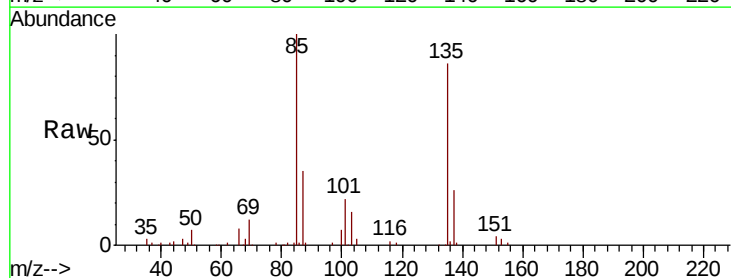
Acq: 12 Oct 2020 21:47

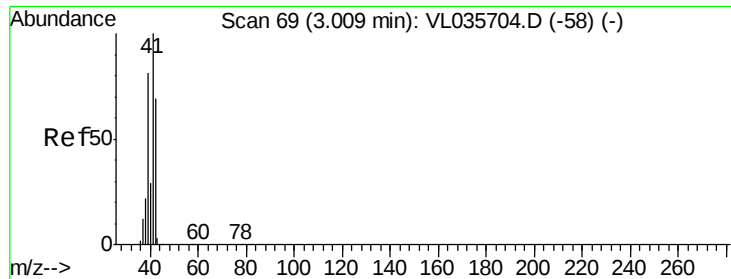
Tgt Ion: 85 Resp: 128163

Ion Ratio Lower Upper

85 100

135 83.0 64.3 96.5





#9

Propene

Concen: 0.590 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

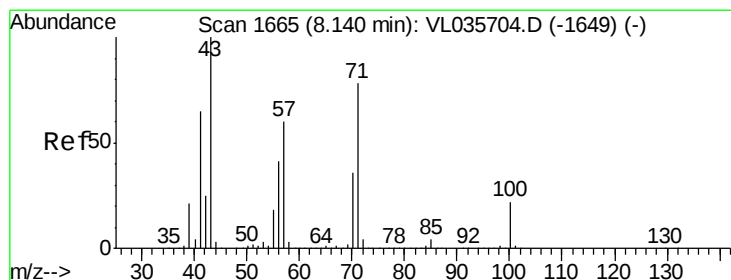
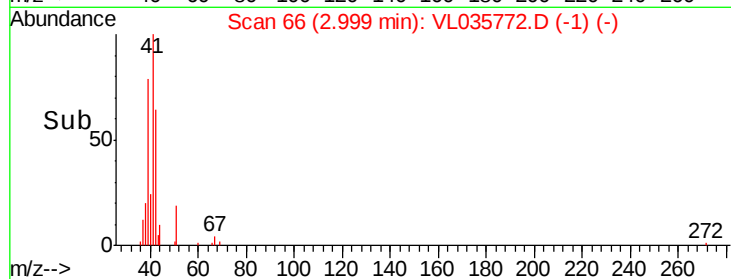
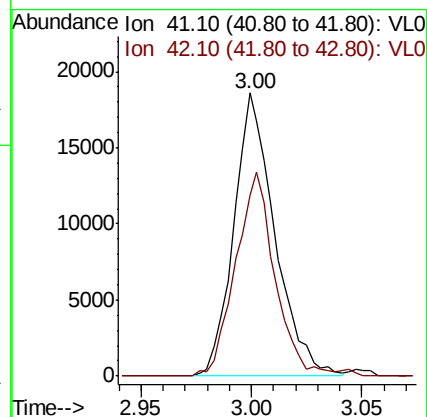
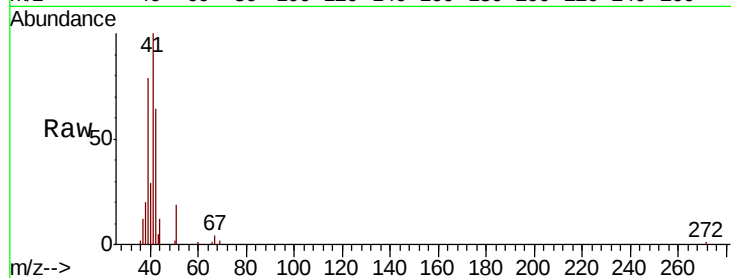
LOQ-AIR-01-QT4-2020

Tot Ion: 41 Resp: 23975

Ion Ratio Lower Upper

41 100

42 69.9 56.2 84.4



#10

Heptane

Concen: 0.509 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL035772.D

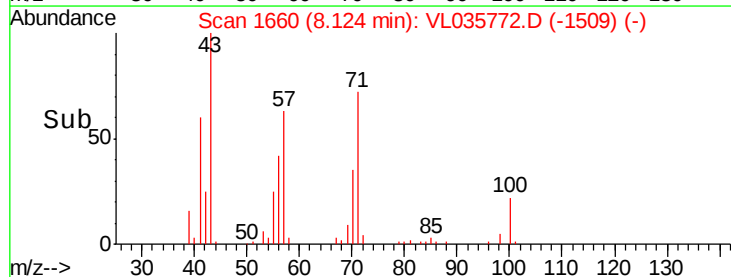
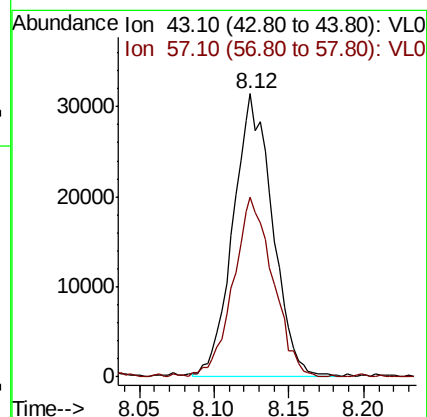
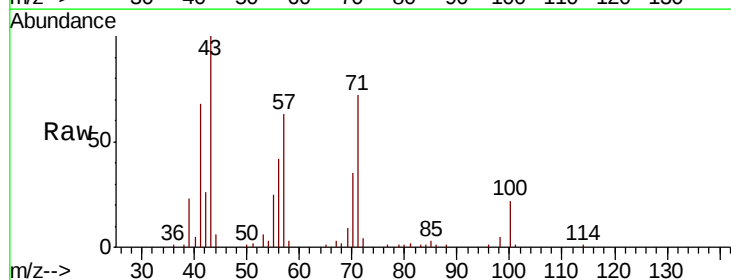
Acq: 12 Oct 2020 21:47

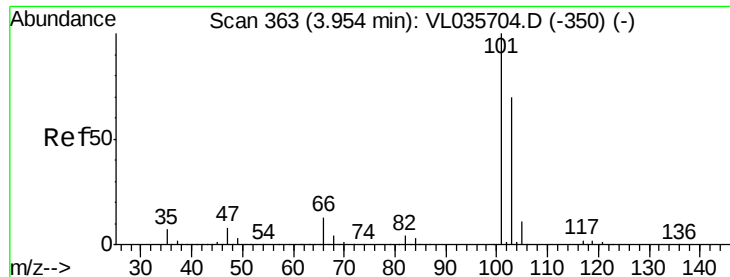
Tgt Ion: 43 Resp: 57621

Ion Ratio Lower Upper

43 100

57 64.4 50.4 75.6

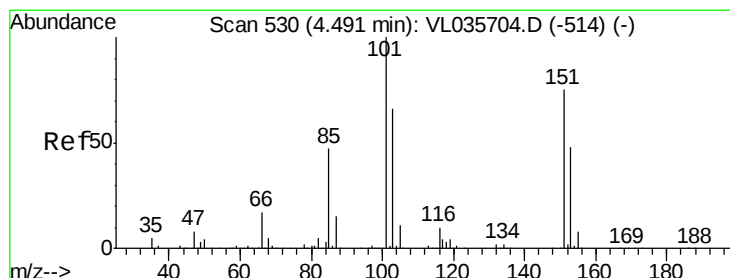
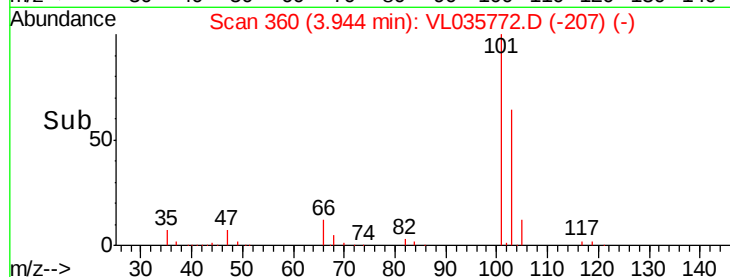
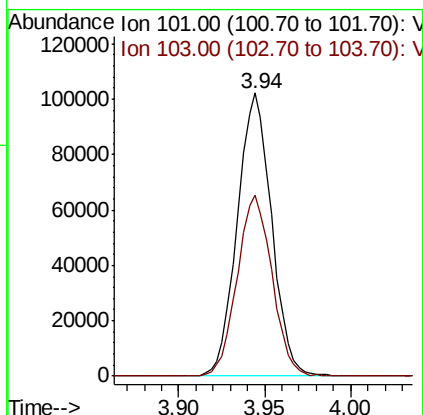
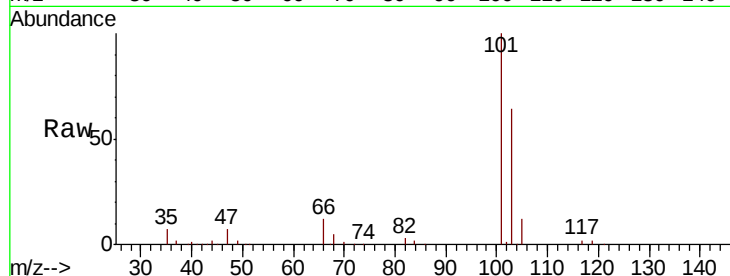




#11
 Trichlorofluoromethane
 Concen: 0.581 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

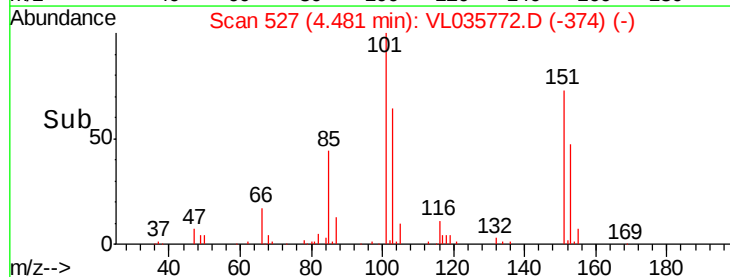
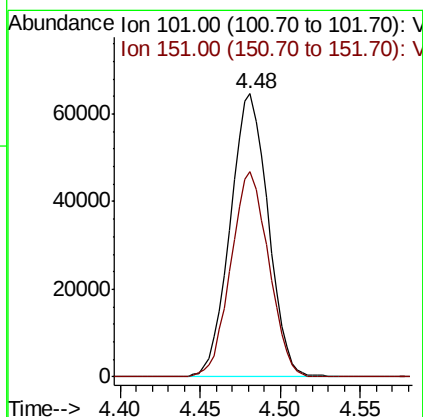
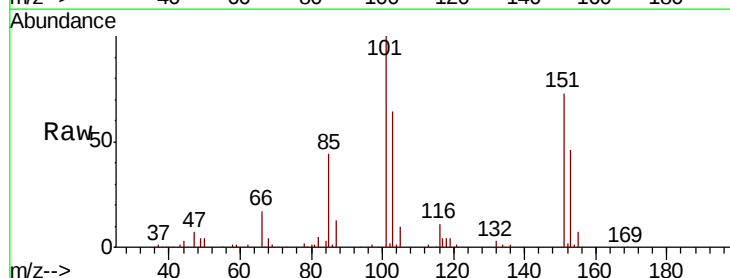
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

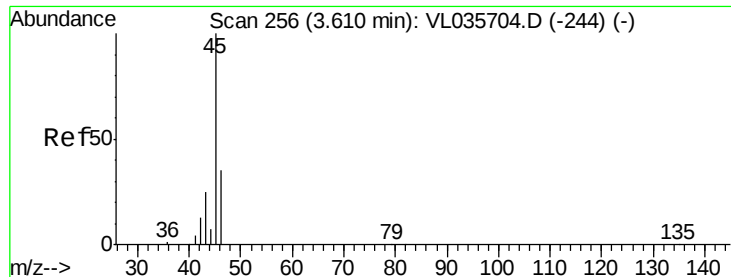
Tot Ion:101 Resp: 141376
 Ion Ratio Lower Upper
 101 100
 103 63.9 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.574 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion:101 Resp: 104053
 Ion Ratio Lower Upper
 101 100
 151 72.4 59.1 88.7





#13

Ethanol

Concen: 0.645 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

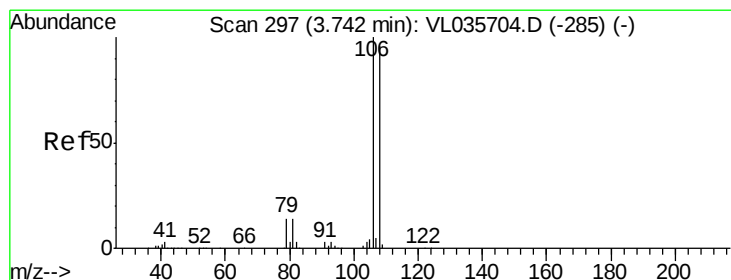
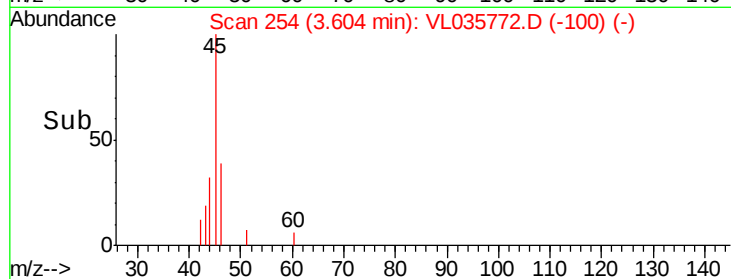
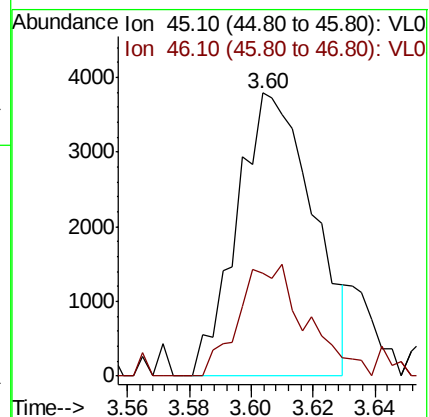
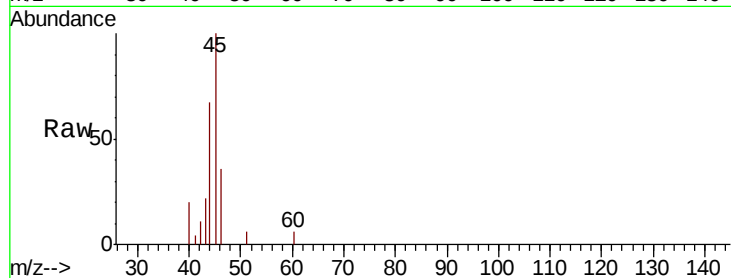
LOQ-AIR-01-QT4-2020

Tot Ion: 45 Resp: 6457

Ion Ratio Lower Upper

45 100

46 37.1 14.7 58.7



#14

Bromoethene

Concen: 0.583 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

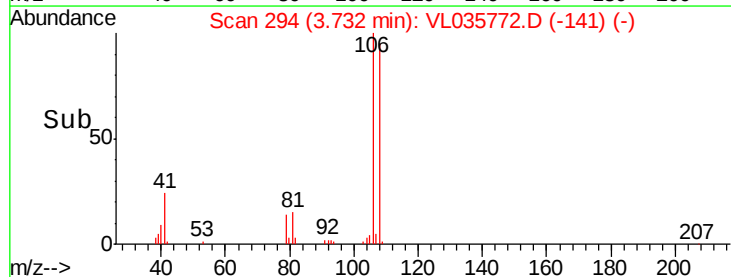
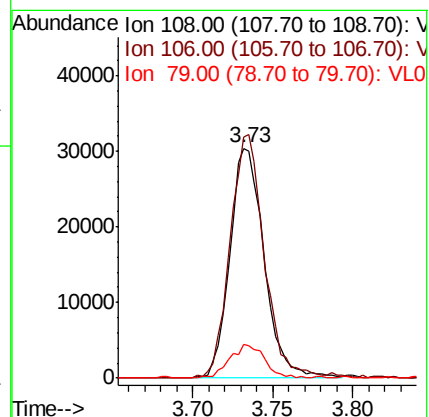
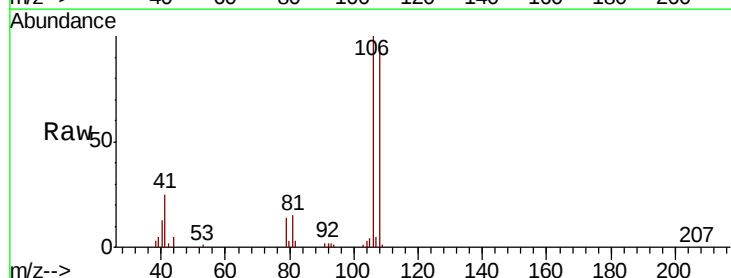
Tgt Ion: 108 Resp: 44522

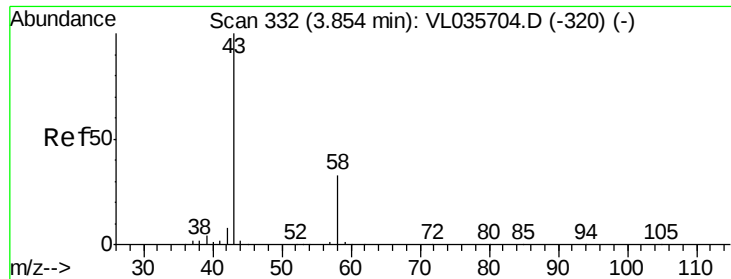
Ion Ratio Lower Upper

108 100

106 106.2 84.6 126.8

79 14.8 11.6 17.4





#15

Acetone

Concen: 0.682 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

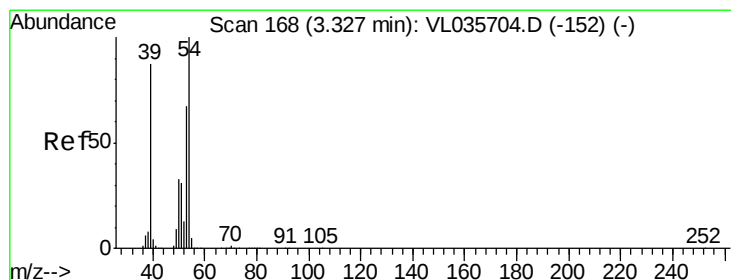
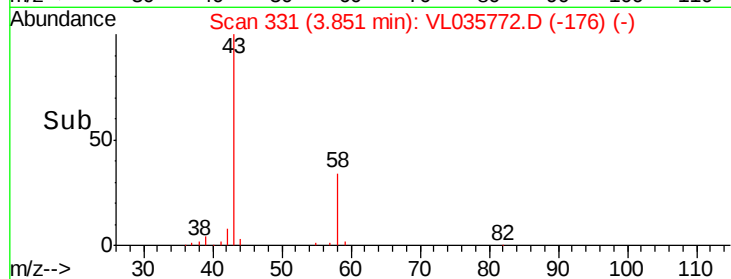
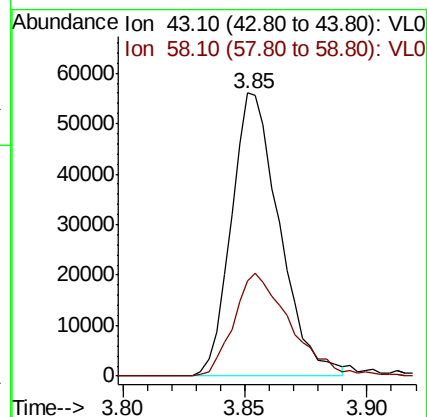
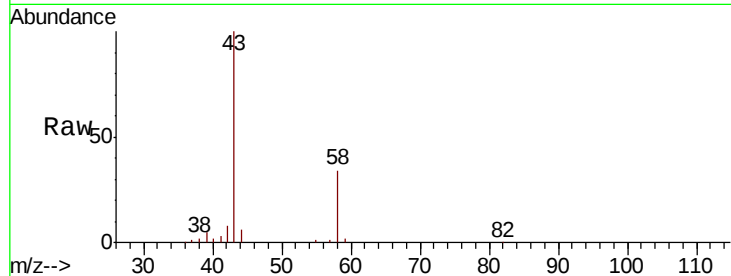
LOQ-AIR-01-QT4-2020

Tot Ion: 43 Resp: 76306

Ion Ratio Lower Upper

43 100

58 42.8 27.3 40.9#



#16

1,3-Butadiene

Concen: 0.538 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL035772.D

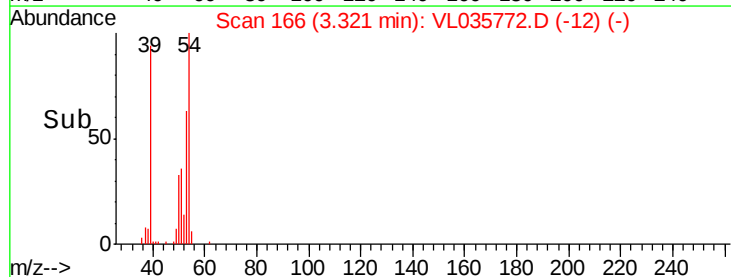
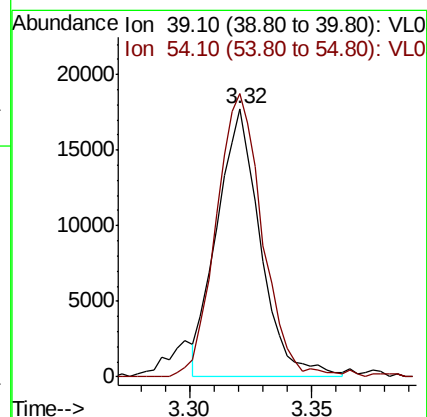
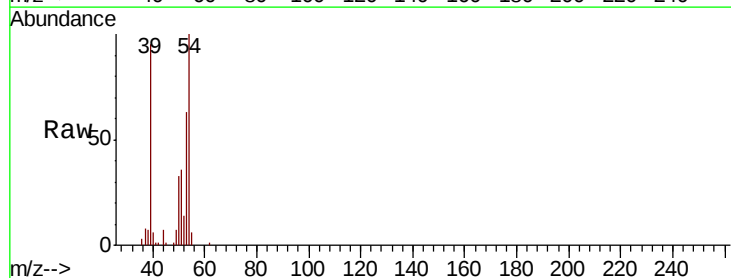
Acq: 12 Oct 2020 21:47

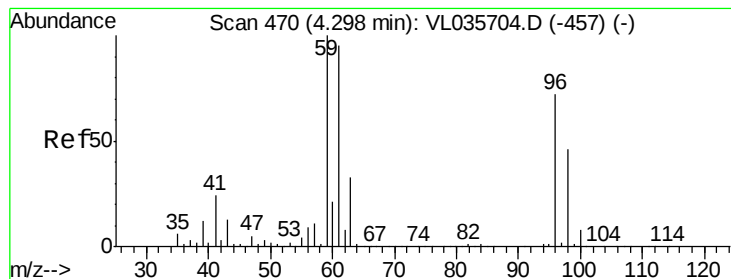
Tgt Ion: 39 Resp: 22028

Ion Ratio Lower Upper

39 100

54 113.5 87.4 131.0





#17

tert-Butyl alcohol

Concen: 0.680 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

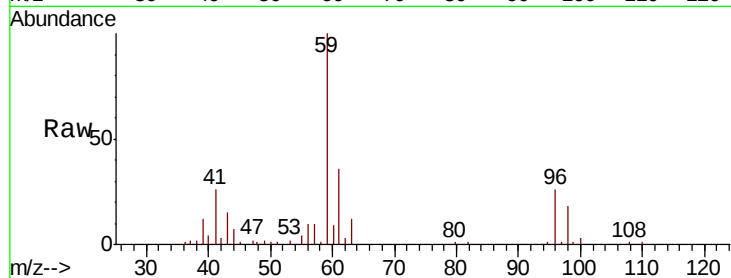
LOQ-AIR-01-QT4-2020

Tot Ion: 59 Resp: 82866

Ion Ratio Lower Upper

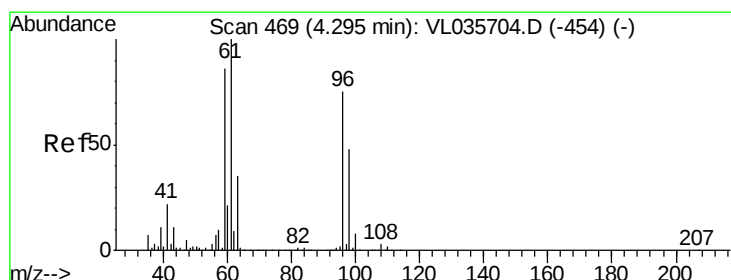
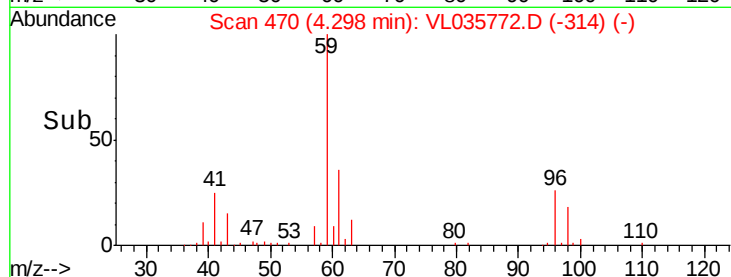
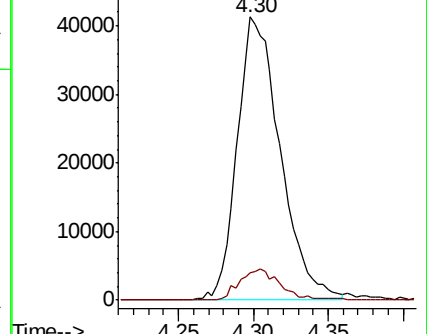
59 100

57 10.5 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.588 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

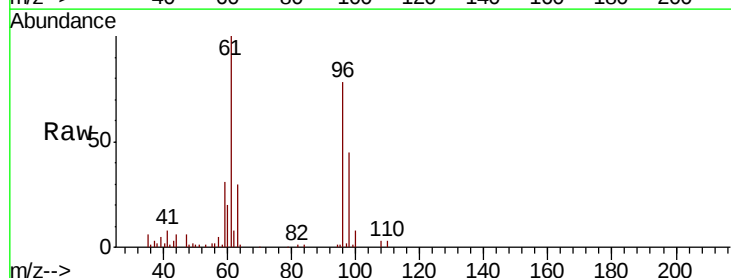
Tgt Ion: 96 Resp: 46720

Ion Ratio Lower Upper

96 100

61 127.7 106.7 160.1

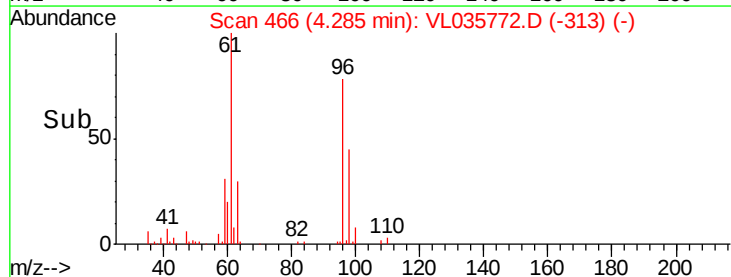
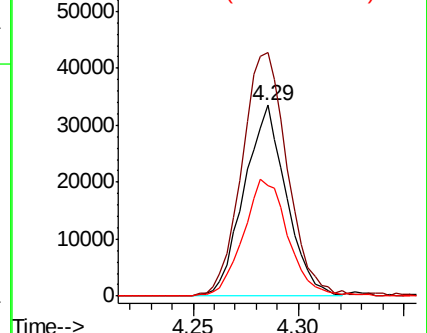
98 57.4 50.8 76.2

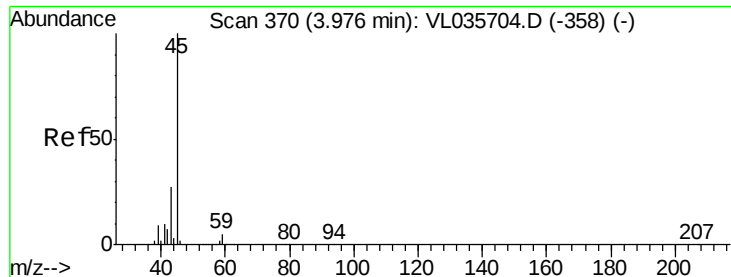


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.668 ppbv

RT: 3.97 min Scan# 369

Delta R.T. -0.00 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

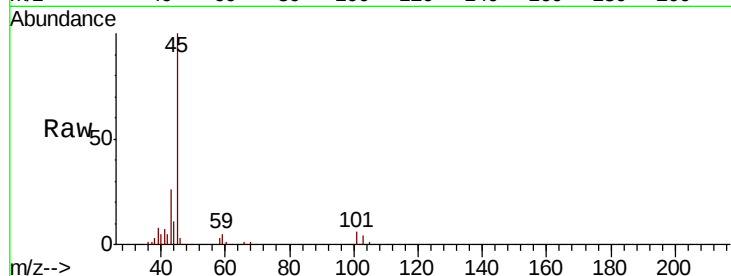
LOQ-AIR-01-QT4-2020

Tot Ion: 45 Resp: 40668

Ion Ratio Lower Upper

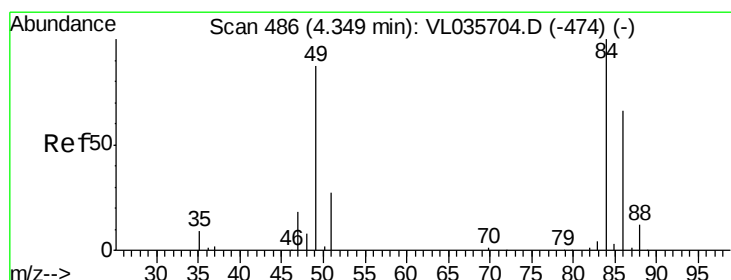
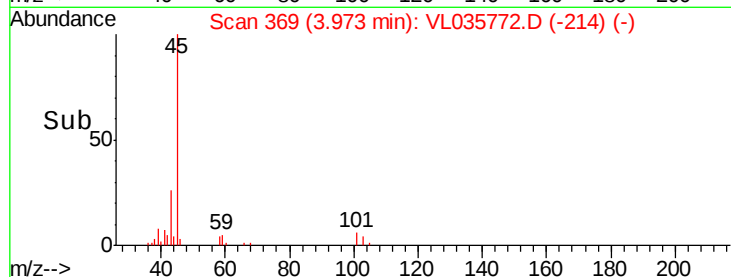
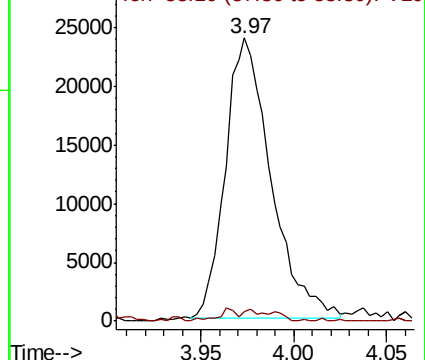
45 100

58 5.0 2.8 4.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.659 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Tgt Ion: 84 Resp: 54175

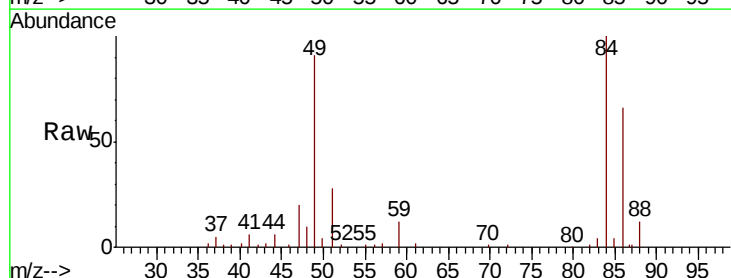
Ion Ratio Lower Upper

84 100

49 90.1 69.8 104.6

51 27.7 21.8 32.8

86 65.6 52.6 78.8

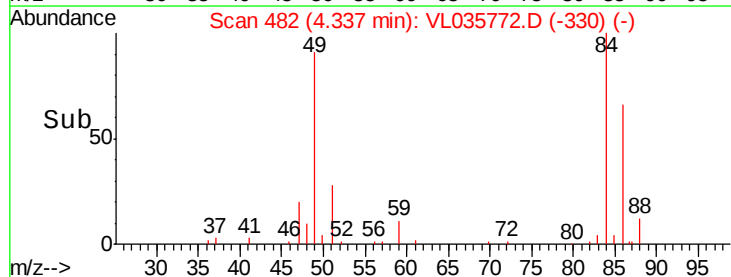
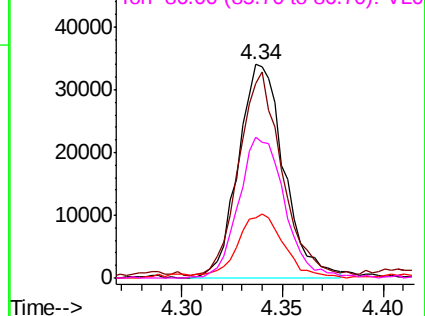


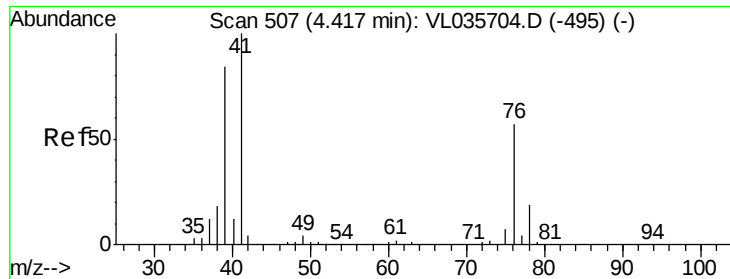
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

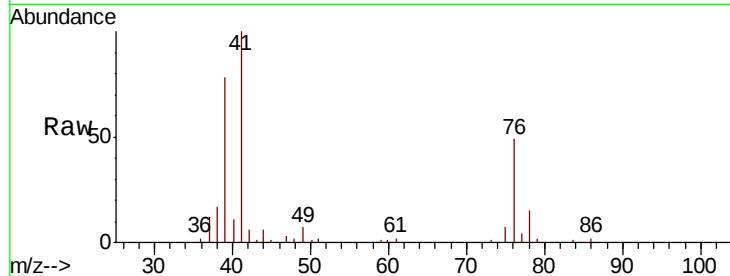




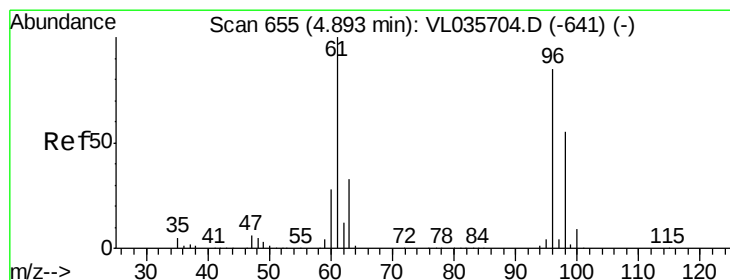
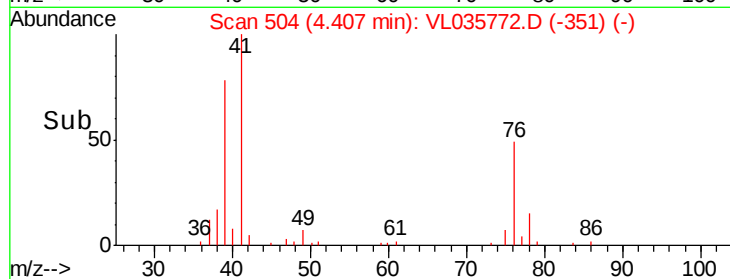
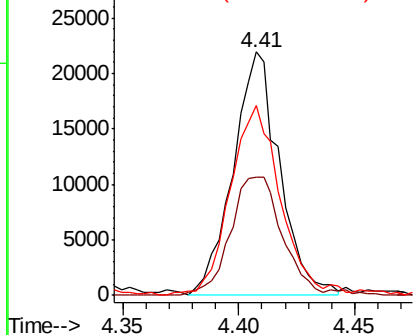
#21
Allvl Chloride
Concen: 0.561 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

Tot Ion: 41 Resp: 30434
Ion Ratio Lower Upper
41 100
76 55.5 44.8 67.2
39 85.5 68.4 102.6

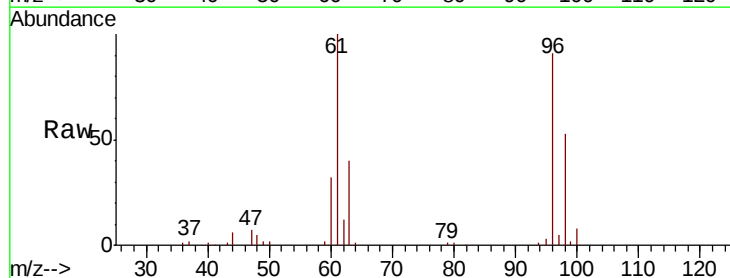


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

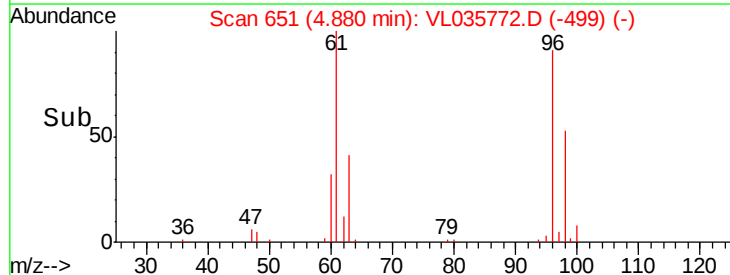
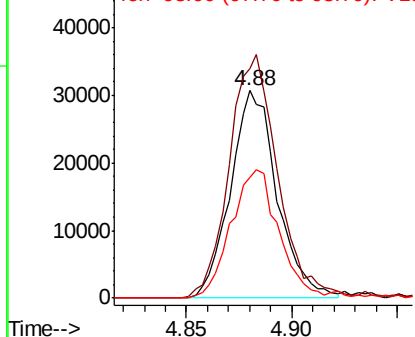


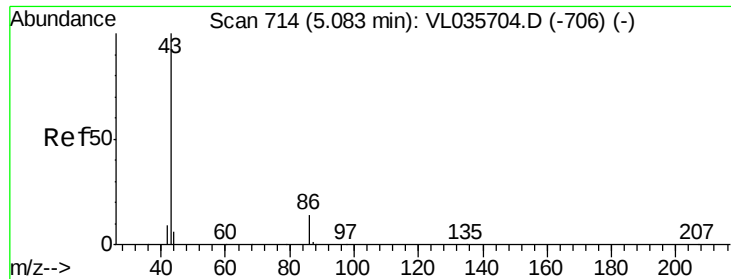
#22
trans-1,2-Dichloroethene
Concen: 0.562 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion: 96 Resp: 47139
Ion Ratio Lower Upper
96 100
61 109.4 93.7 140.5
98 58.0 51.2 76.8



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: 0.573 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion: 43 Resp: 78525

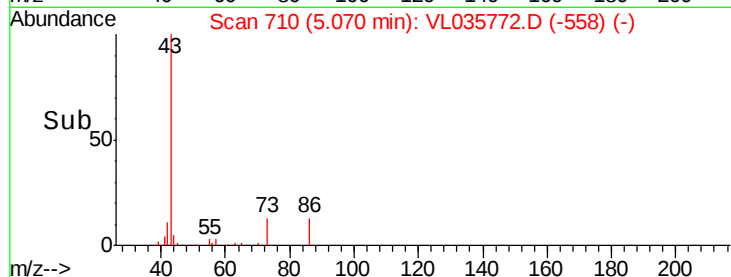
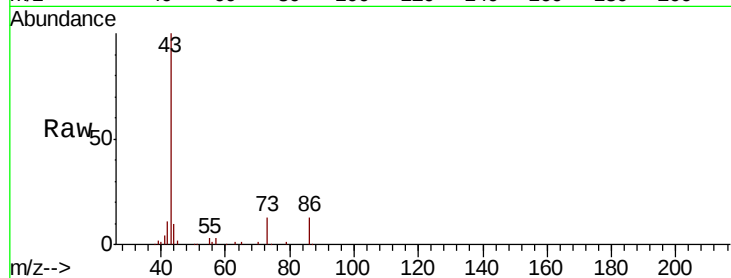
Ion Ratio Lower Upper

43 100

86 12.2 9.7 14.5

42 10.8 7.9 11.9

44 6.4 4.8 7.2

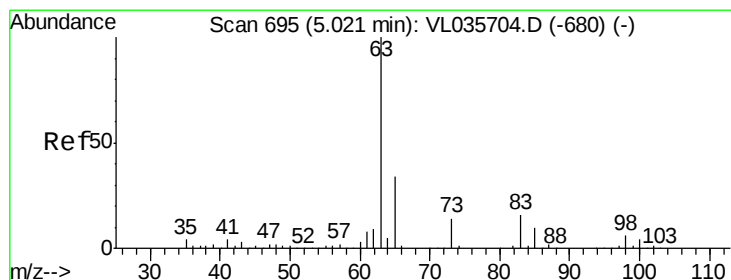
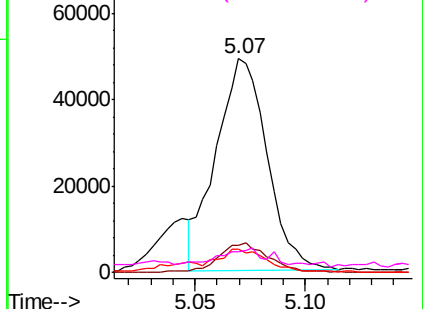


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.577 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

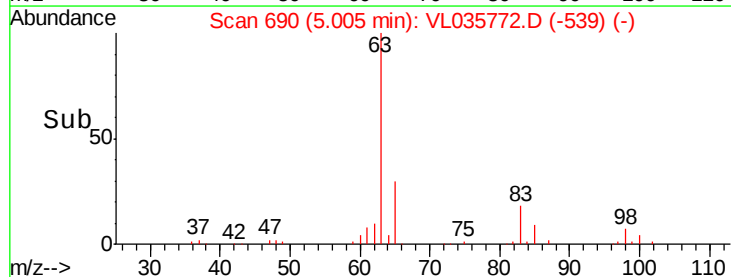
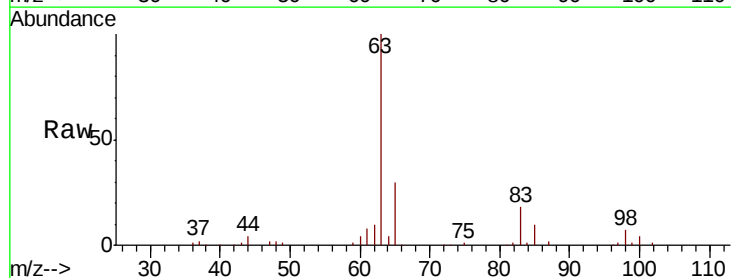
Tgt Ion: 63 Resp: 86068

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

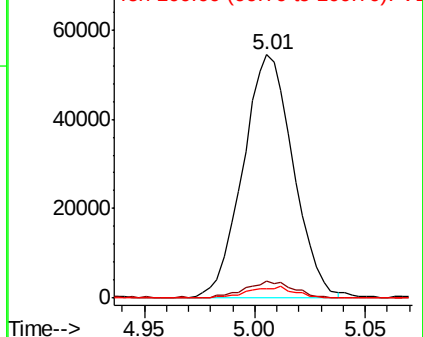
100 3.7 2.0 5.8

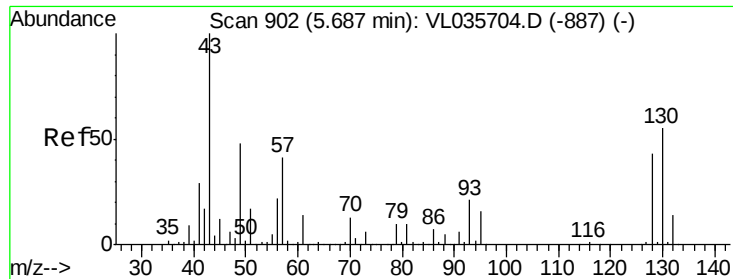


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

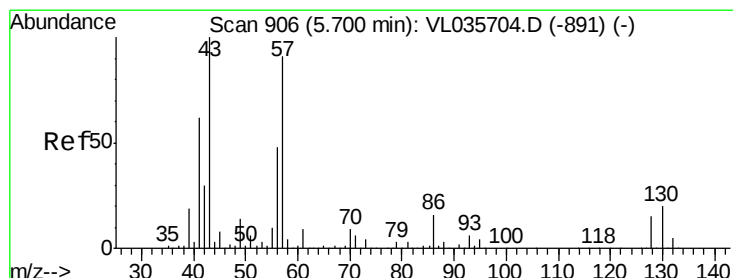
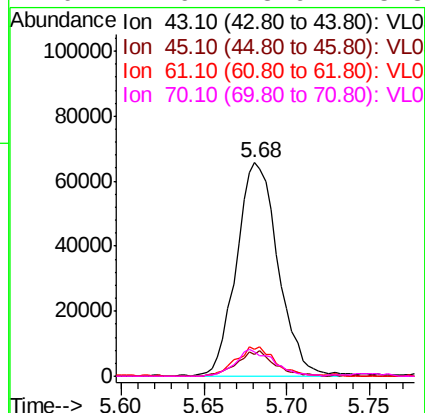
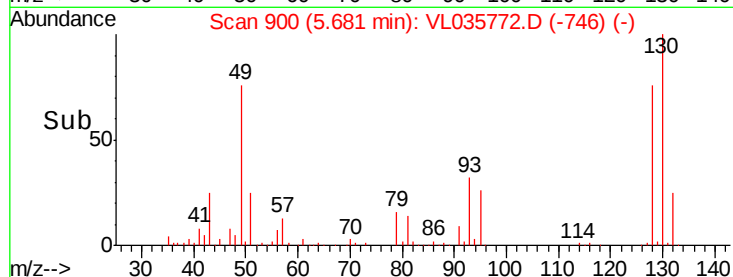
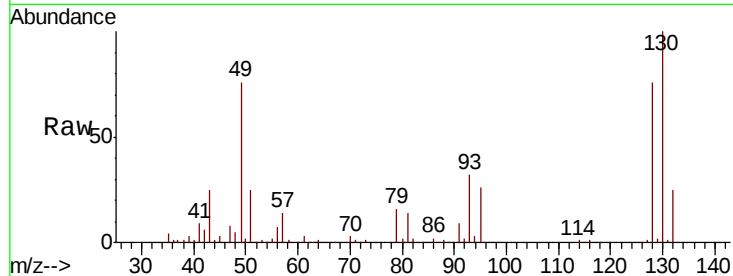




#25
Ethyl Acetate
Concen: 0.571 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

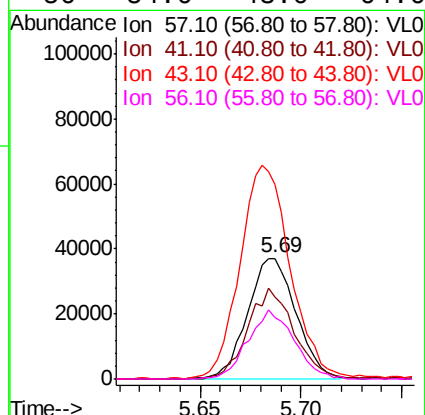
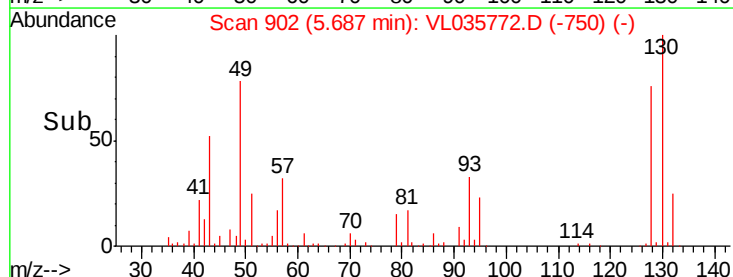
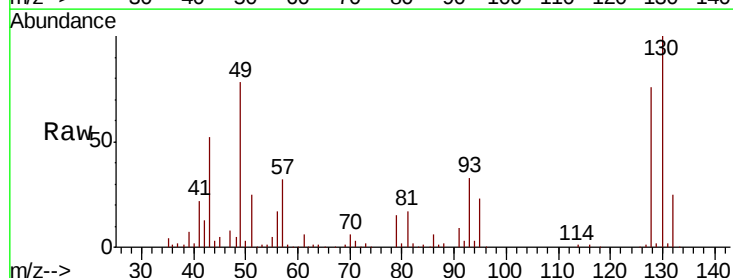
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

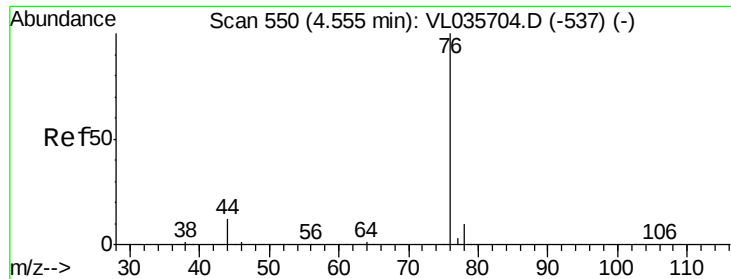
Tot Ion:	43	Resp:	114831
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.6	12.8
61	13.5	10.4	15.6
70	11.6	8.9	13.3



#26
Hexane
Concen: 0.564 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion:	57	Resp:	62251
Ion	Ratio	Lower	Upper
57	100		
41	72.9	57.9	86.9
43	187.4	143.8	215.6
56	54.6	43.0	64.6





#27

Carbon Disulfide

Concen: 0.497 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

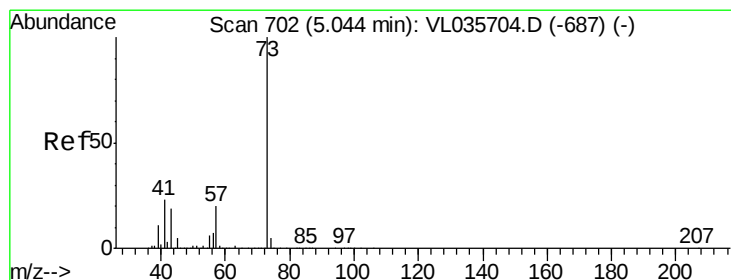
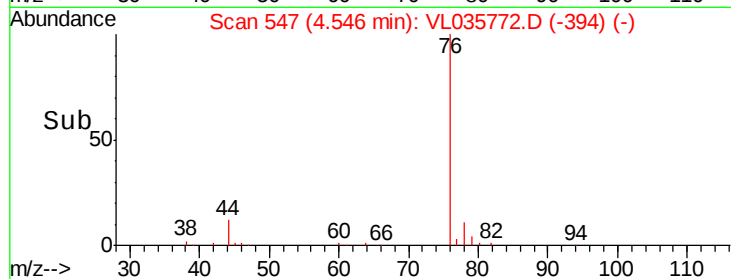
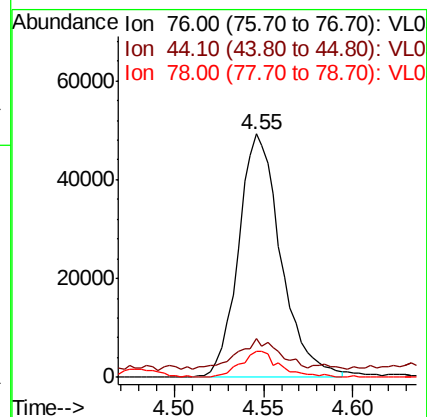
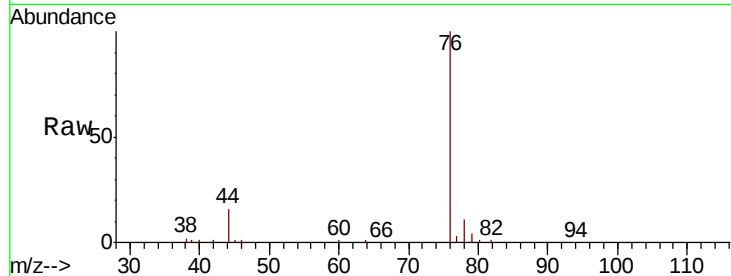
MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion: 76 Resp: 81713

Ion	Ratio	Lower	Upper
76	100		
44	14.6	9.7	14.5#
78	10.2	7.8	11.8



#28

Methyl tert-Butyl Ether

Concen: 0.640 ppbv

RT: 5.04 min Scan# 702

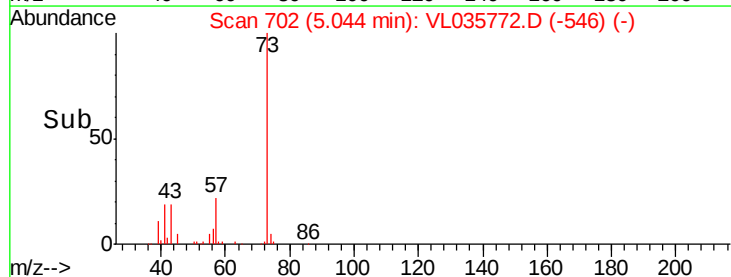
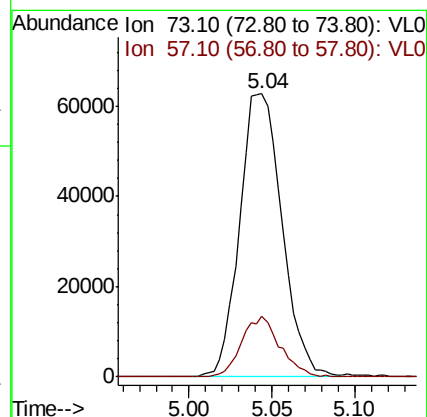
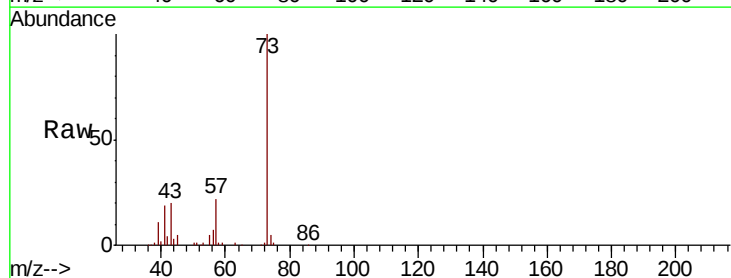
Delta R.T. 0.00 min

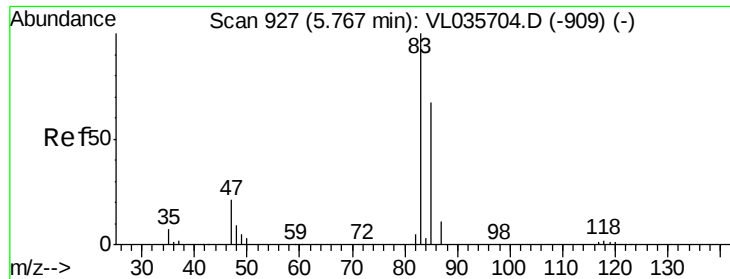
Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Tgt Ion: 73 Resp: 111819

Ion	Ratio	Lower	Upper
73	100		
57	19.3	15.6	23.4





#29

Chloroform

Concen: 0.584 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

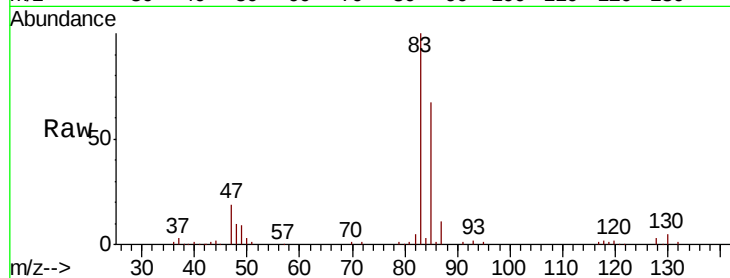
LOQ-AIR-01-QT4-2020

Tot Ion: 83 Resp: 130822

Ion Ratio Lower Upper

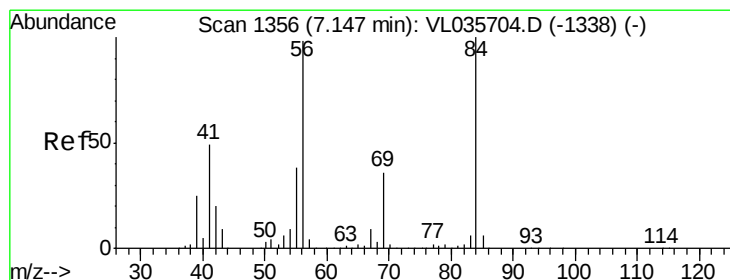
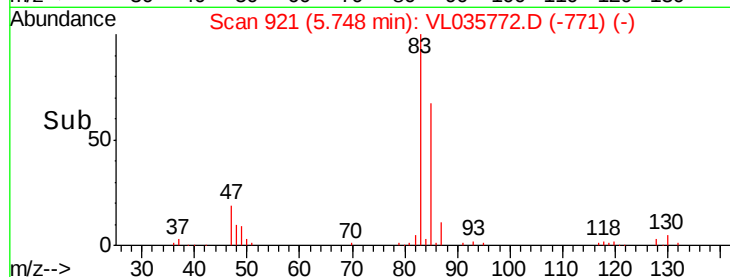
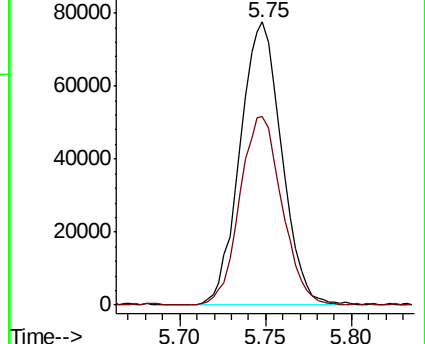
83 100

85 66.3 54.0 81.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.508 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

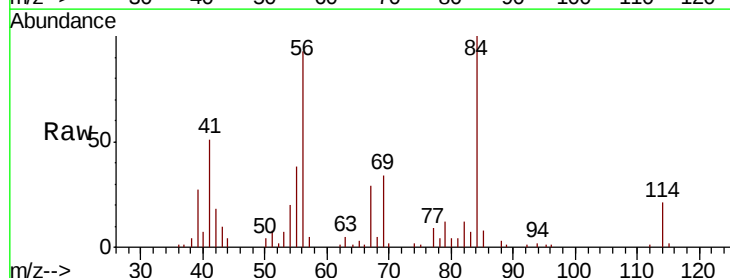
Tgt Ion: 84 Resp: 55312

Ion Ratio Lower Upper

84 100

56 88.1 84.6 127.0

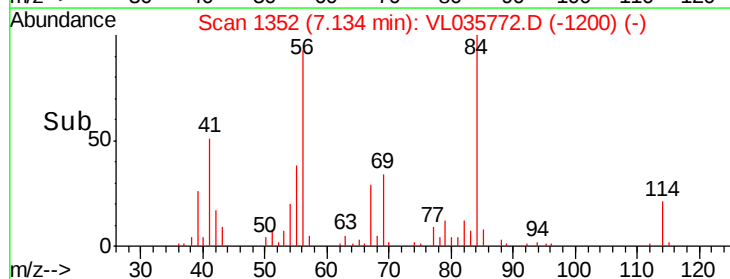
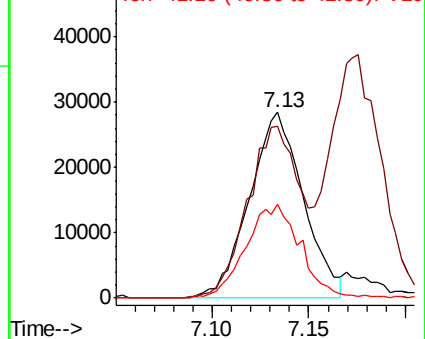
41 51.8 41.1 61.7

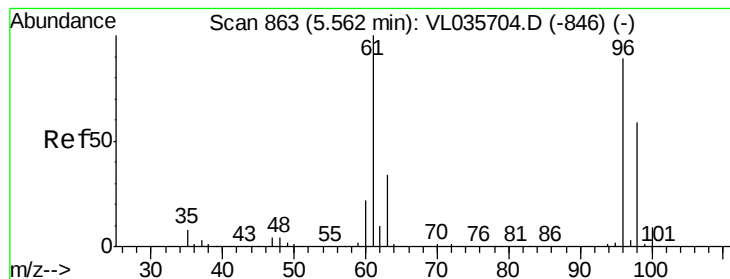


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



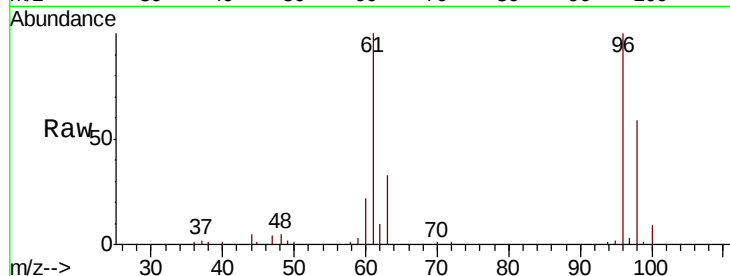


#31

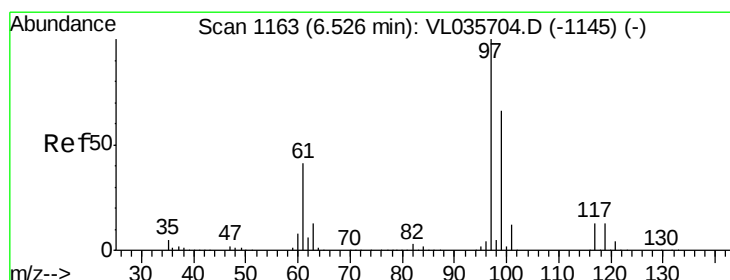
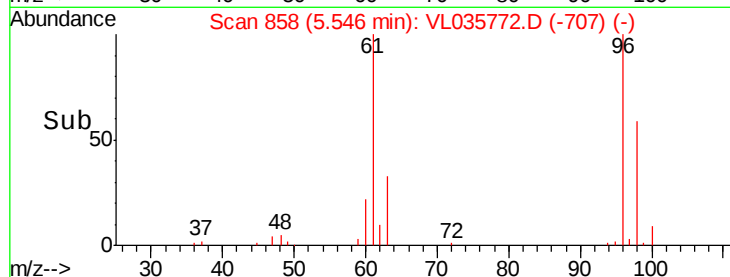
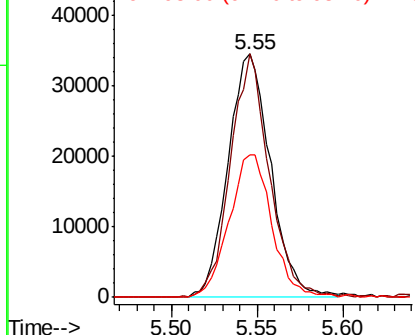
cis-1,2-Dichloroethene
Concen: 0.560 ppbv
RT: 5.55 min Scan# 858
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

Tot Ion: 61 Resp: 59594
Ion Ratio Lower Upper
61 100
96 100.0 71.4 107.2
98 58.8 47.4 71.2



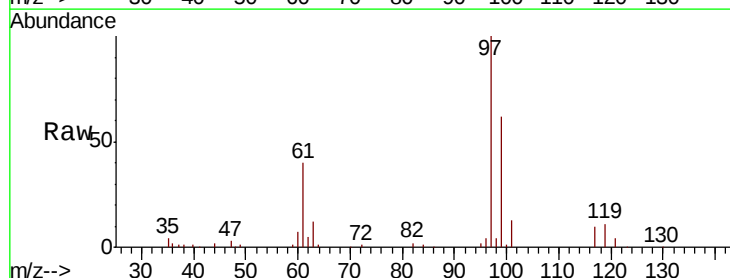
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



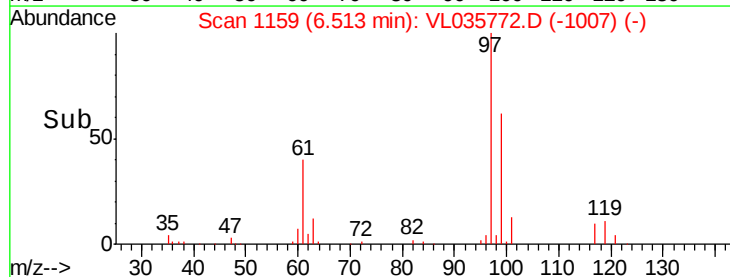
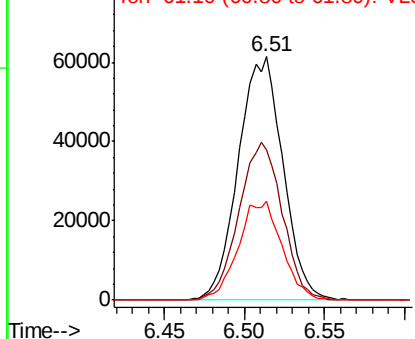
#32

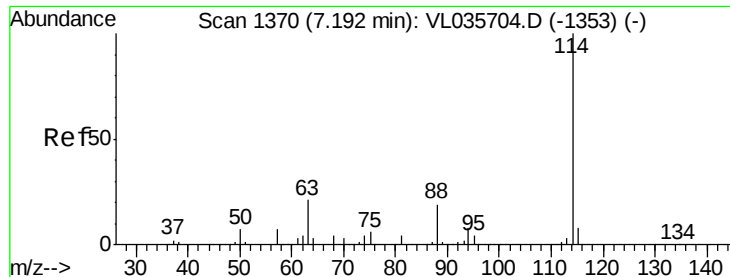
1,1,1-Trichloroethane
Concen: 0.593 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion: 97 Resp: 116986
Ion Ratio Lower Upper
97 100
99 63.1 52.7 79.1
61 39.5 32.7 49.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

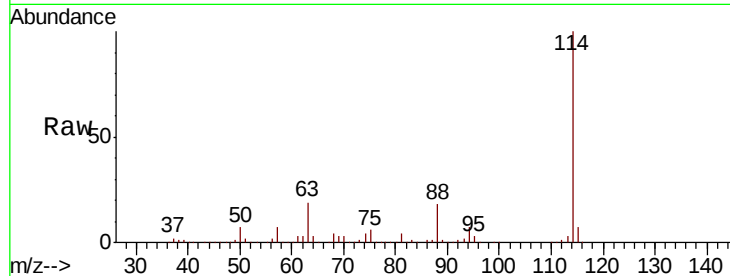




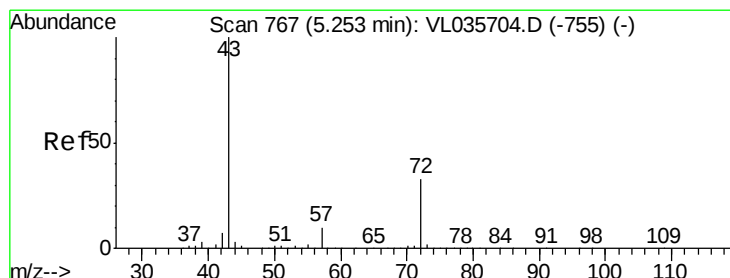
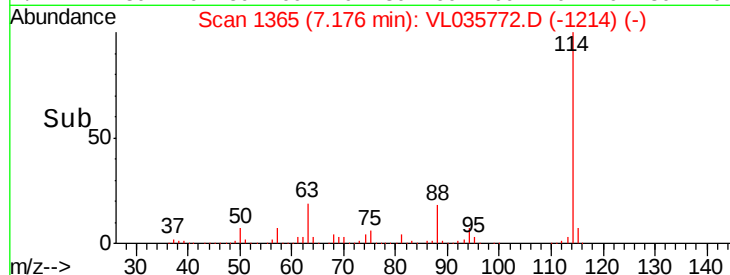
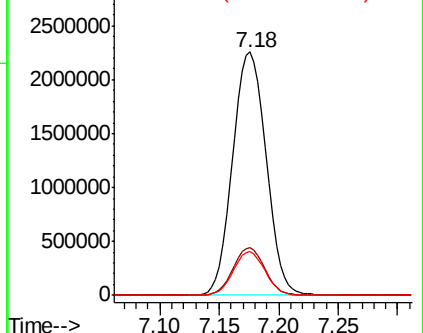
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Tot Ion:114 Resp: 4418950
 Ion Ratio Lower Upper
 114 100
 63 18.6 16.1 24.1
 88 17.1 14.1 21.1

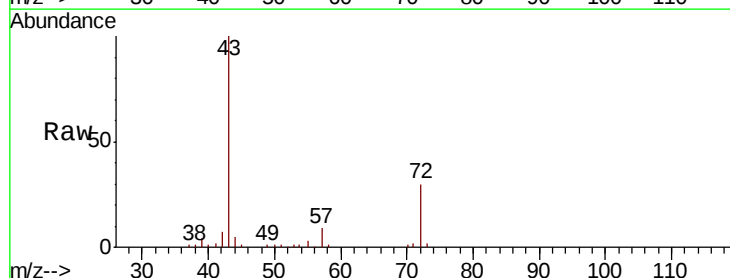


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

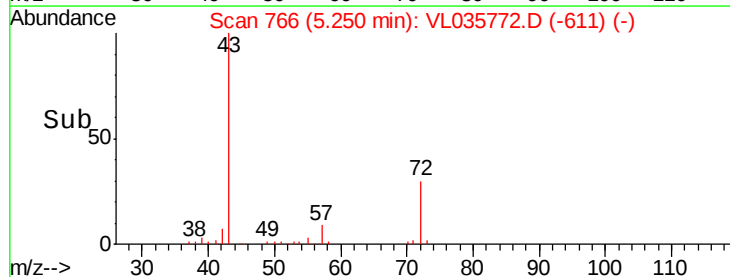
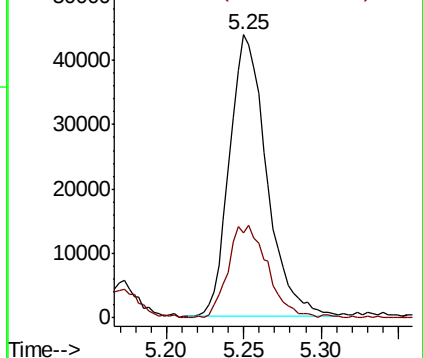


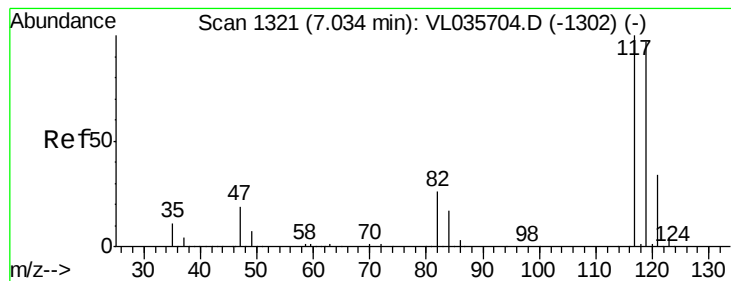
#34
 2-Butanone
 Concen: 0.501 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion: 43 Resp: 73173
 Ion Ratio Lower Upper
 43 100
 72 35.1 26.1 39.1



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





#35

Carbon Tetrachloride

Concen: 0.482 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

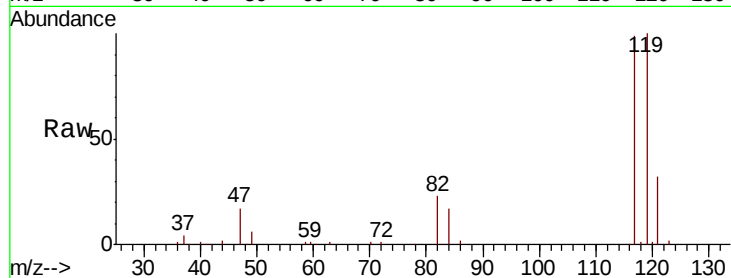
Tot Ion:117 Resp: 110967

Ion Ratio Lower Upper

117 100

119 100.8 77.7 116.5

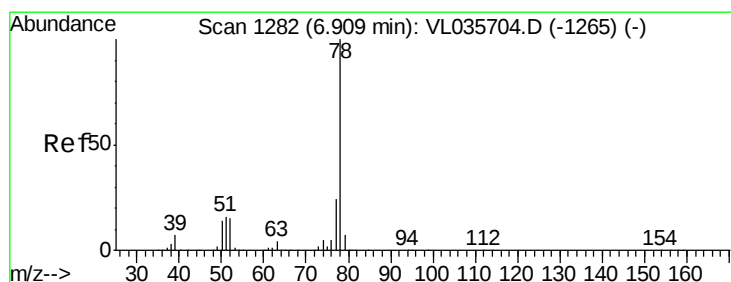
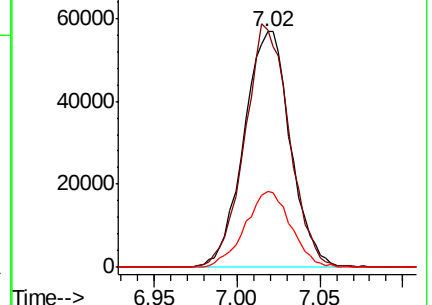
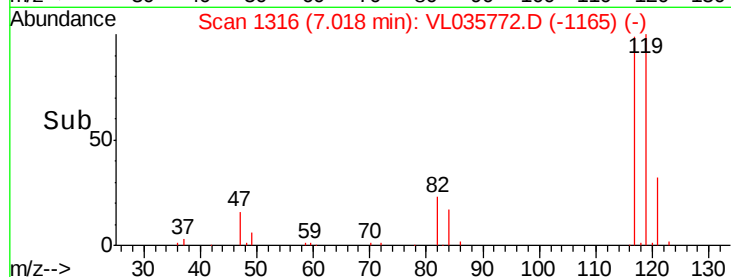
121 32.3 26.9 40.3



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: 0.534 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

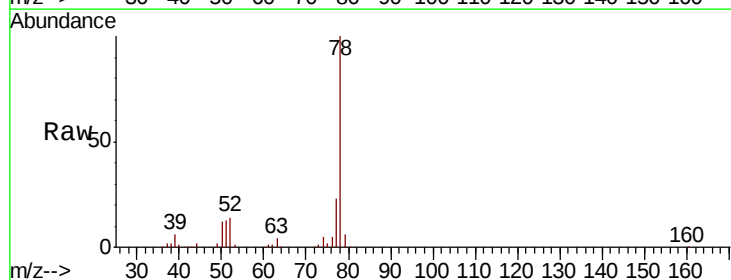
Tgt Ion: 78 Resp: 153709

Ion Ratio Lower Upper

78 100

77 22.6 19.3 28.9

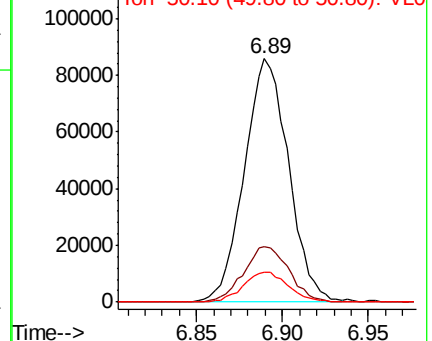
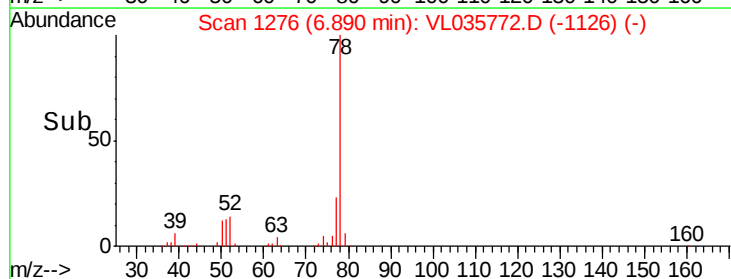
50 12.4 11.6 17.4

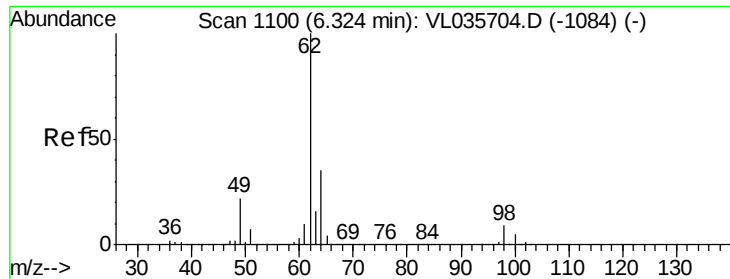


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

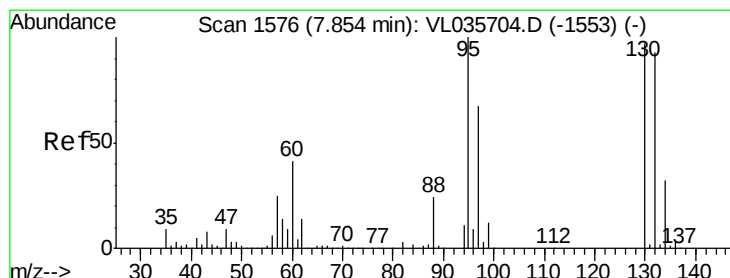
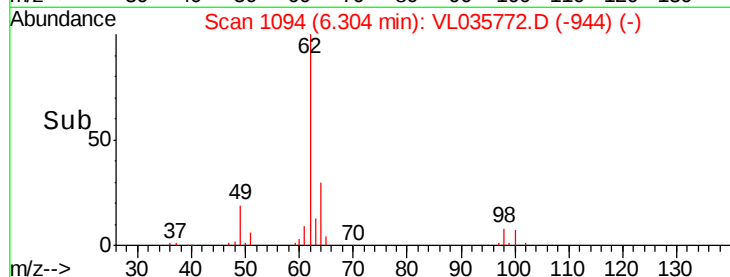
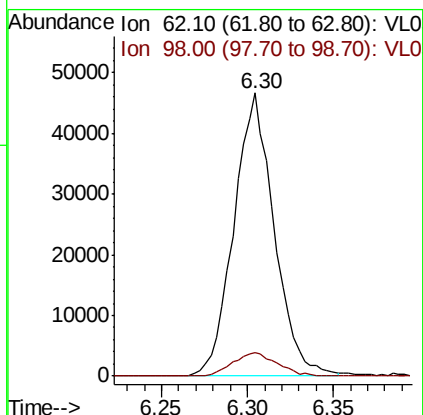
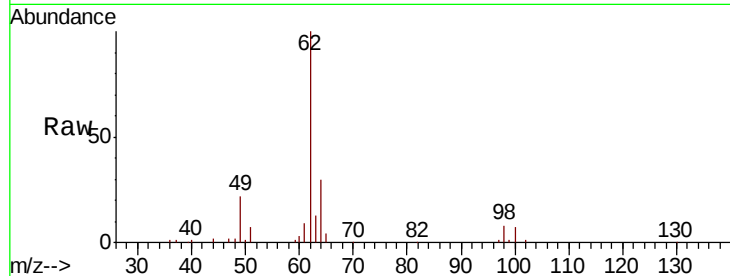




#37
 1,2-Dichloroethane
 Concen: 0.505 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

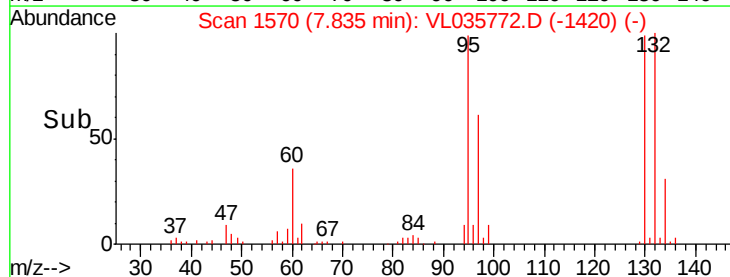
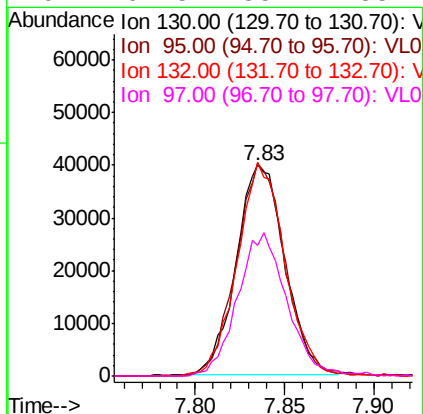
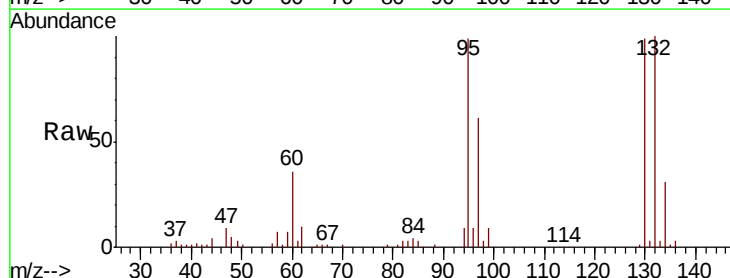
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

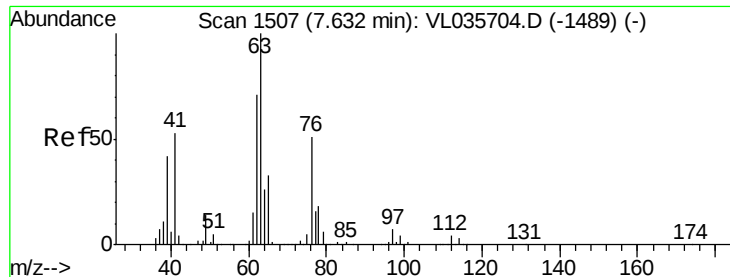
Tot Ion: 62 Resp: 75784
 Ion Ratio Lower Upper
 62 100
 98 9.1 6.9 10.3



#38
 Trichloroethene
 Concen: 0.529 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion: 130 Resp: 76026
 Ion Ratio Lower Upper
 130 100
 95 100.5 82.4 123.6
 132 100.6 76.8 115.2
 97 62.5 55.4 83.2

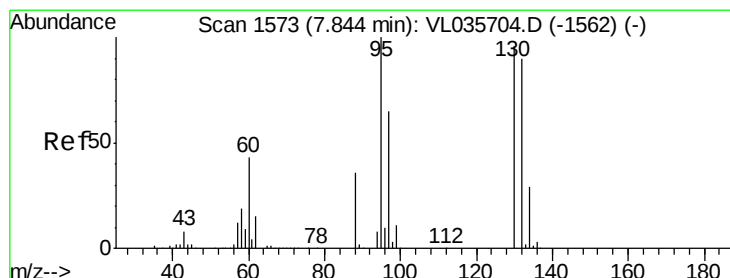
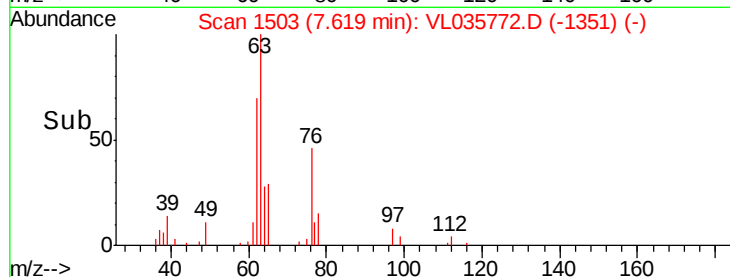
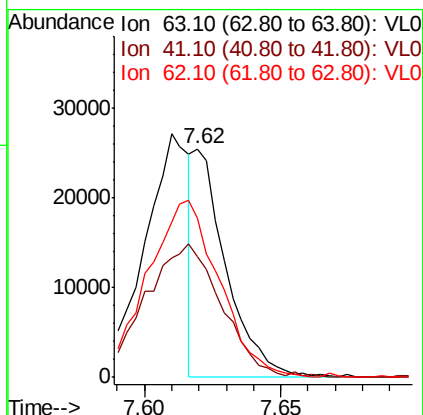
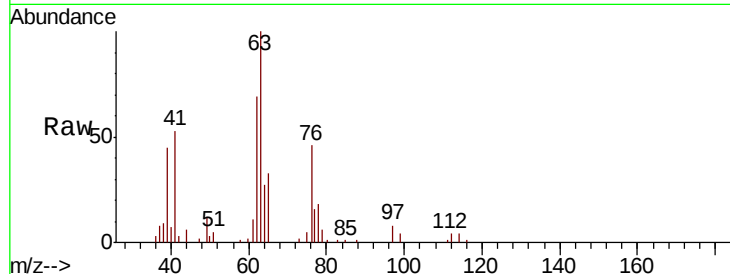




#39
 1,2-Dichloropropane
 Concen: 0.201 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

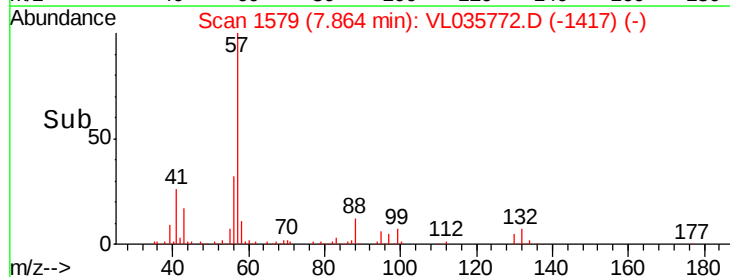
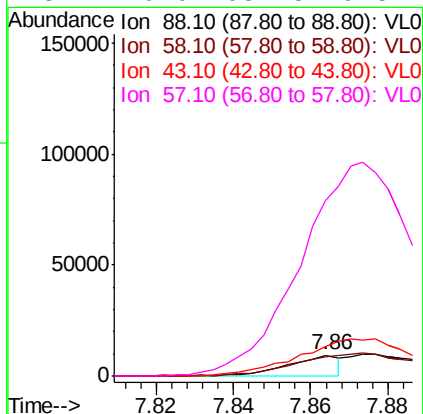
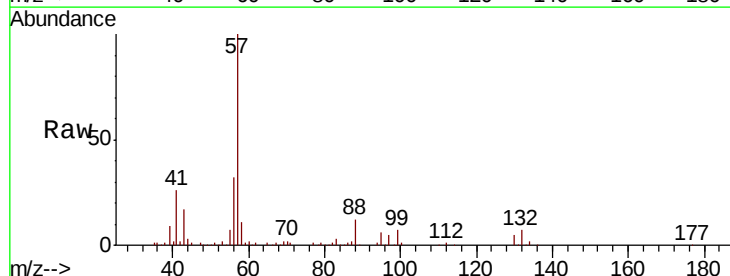
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

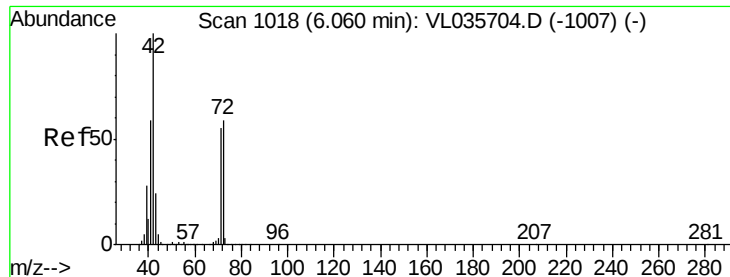
Tot Ion	Ratio	Lower	Upper
63	100		
41	53.0	42.6	63.8
62	68.8	56.5	84.7



#40
 1,4-Dioxane
 Concen: 0.182 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	76.2	114.4#
43	0.0	123.4	185.2#
57	0.0	652.5	978.7#





#41

Tetrahydrofuran

Concen: 0.437 ppbv

RT: 6.07 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

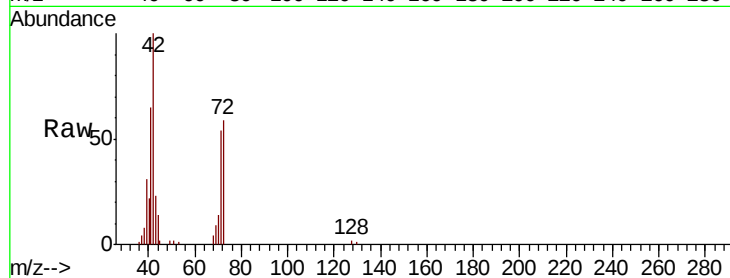
Tot Ion: 42 Resp: 32158

Ion Ratio Lower Upper

42 100

72 58.8 46.2 69.4

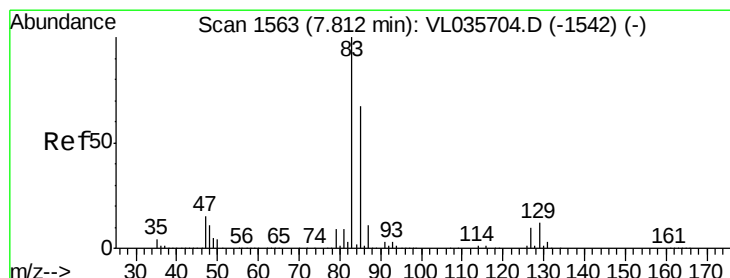
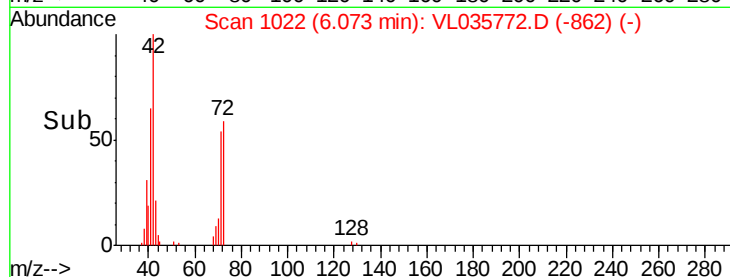
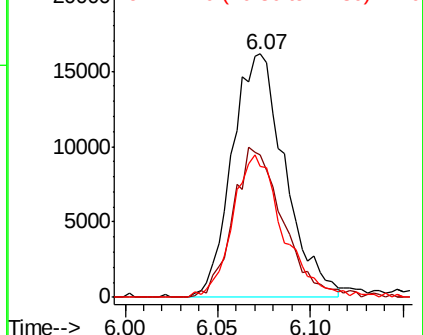
71 55.6 44.2 66.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.466 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

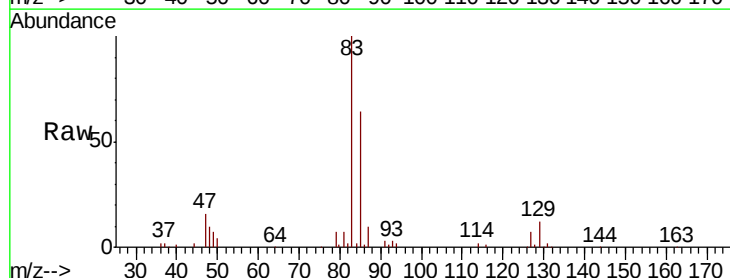
Tgt Ion: 83 Resp: 112614

Ion Ratio Lower Upper

83 100

85 63.3 53.4 80.0

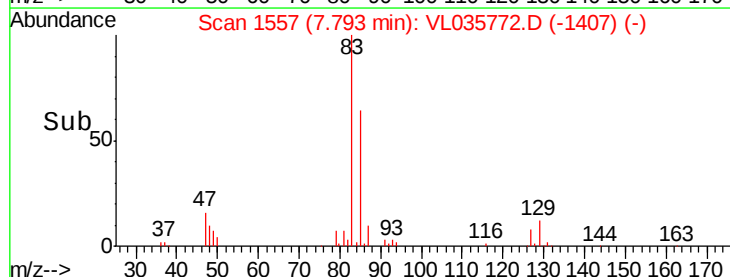
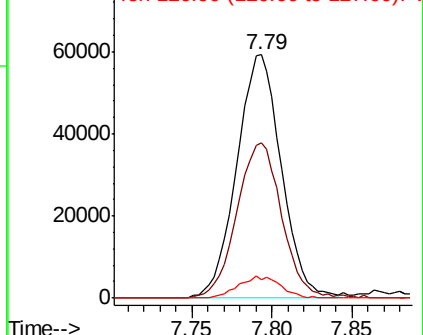
127 7.5 7.8 11.6#

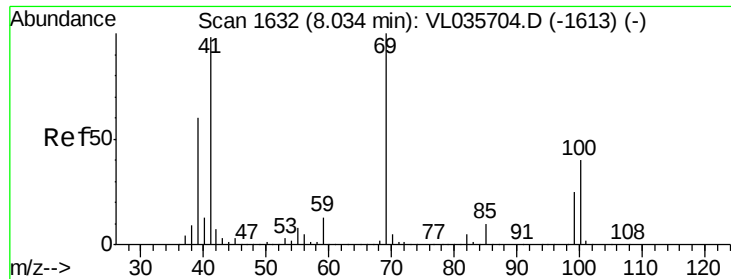


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

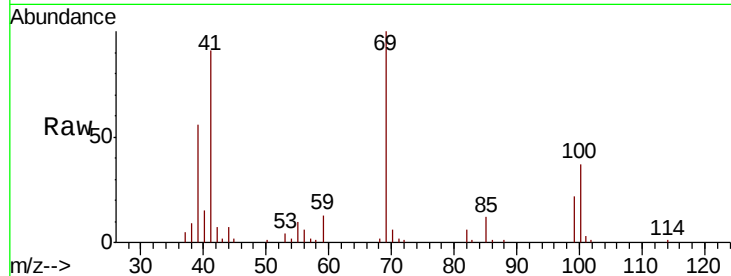




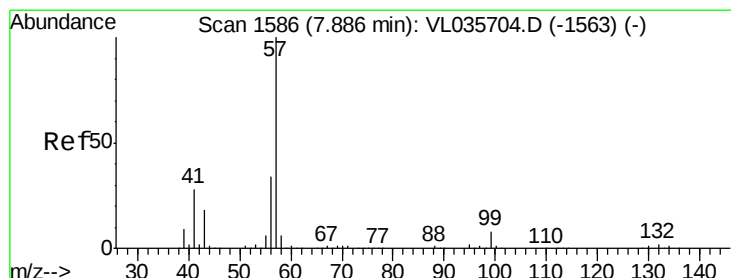
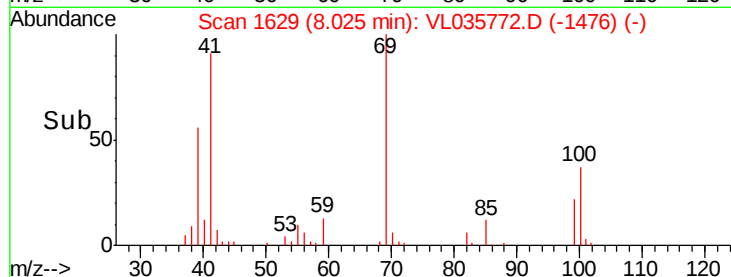
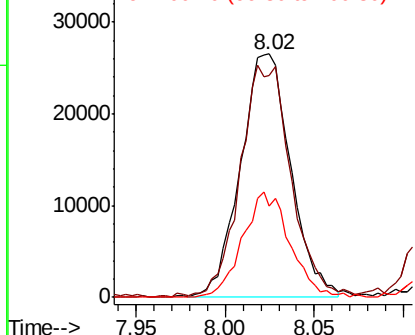
#43
Methvl Methacrilate
Concen: 0.455 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

Tot Ion: 69 Resp: 52162
Ion Ratio Lower Upper
69 100
41 96.9 79.8 119.6
100 40.8 30.6 46.0

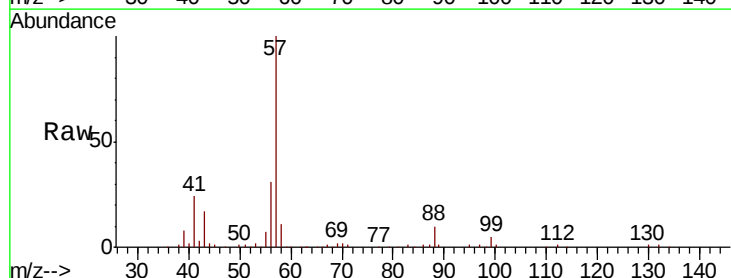


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

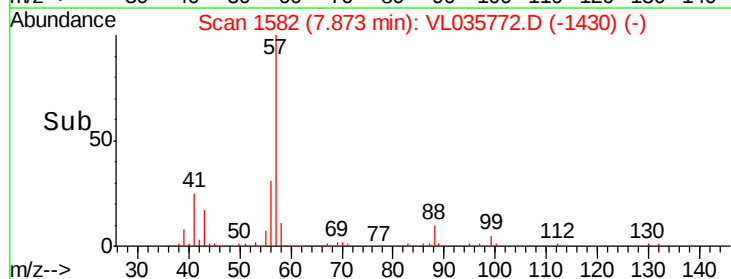
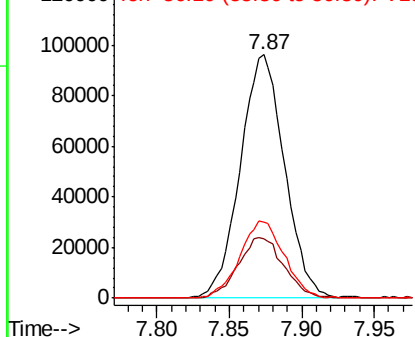


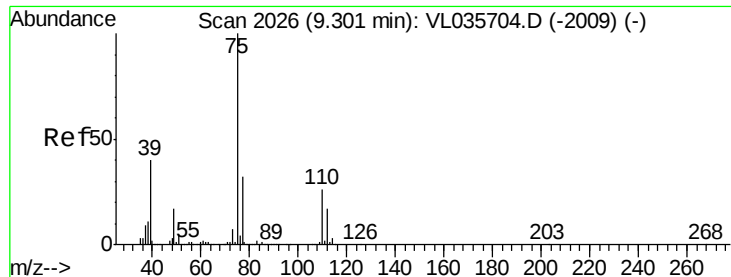
#44
2,2,4-Trimethylpentane
Concen: 0.494 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion: 57 Resp: 204196
Ion Ratio Lower Upper
57 100
41 26.0 21.2 31.8
56 31.8 25.8 38.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.197 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

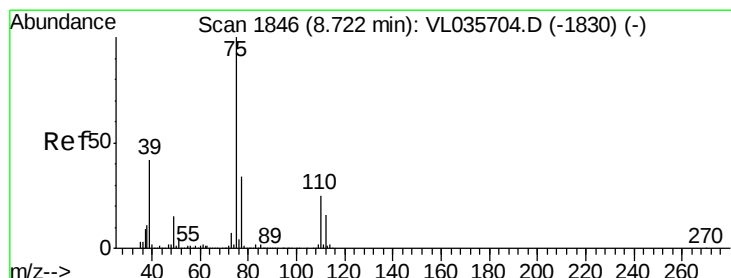
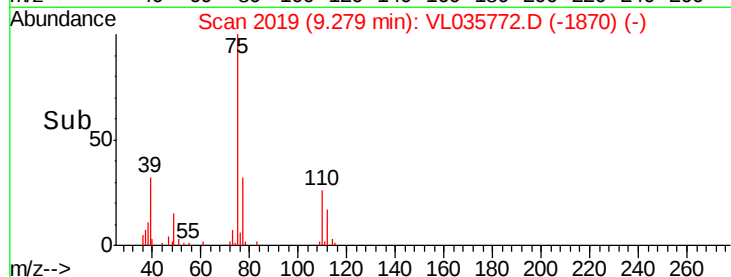
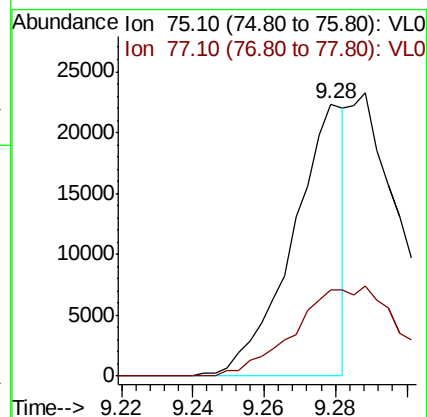
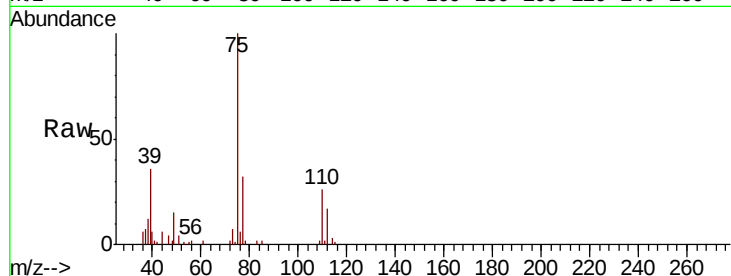
LOQ-AIR-01-QT4-2020

Tot Ion: 75 Resp: 22752

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.422 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

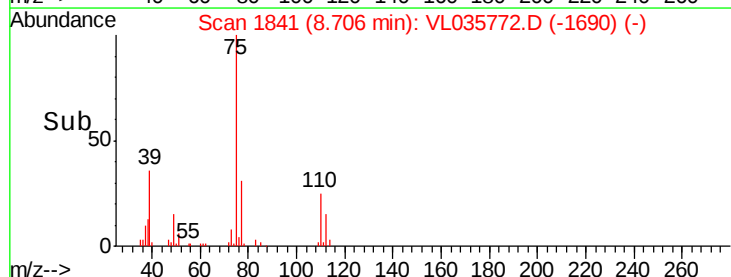
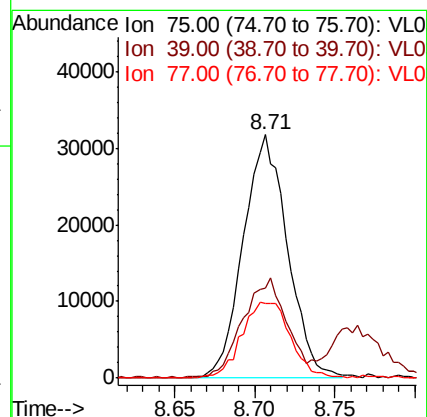
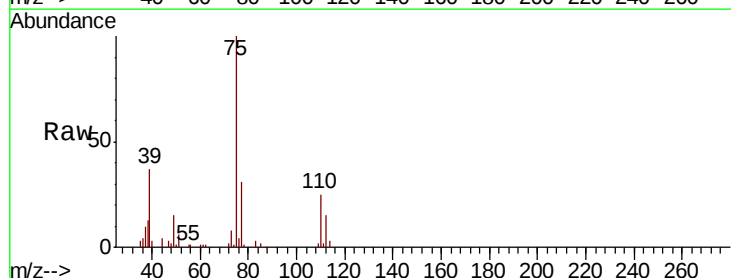
Tgt Ion: 75 Resp: 60180

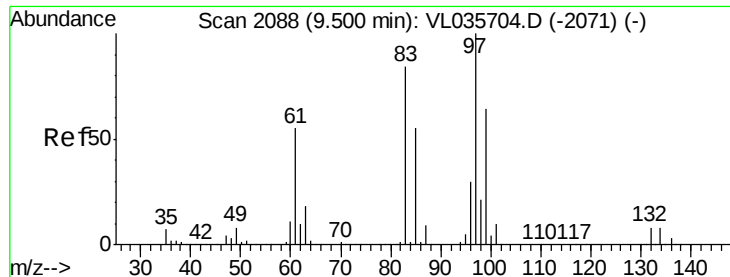
Ion Ratio Lower Upper

75 100

39 36.2 33.9 50.9

77 30.9 27.4 41.0

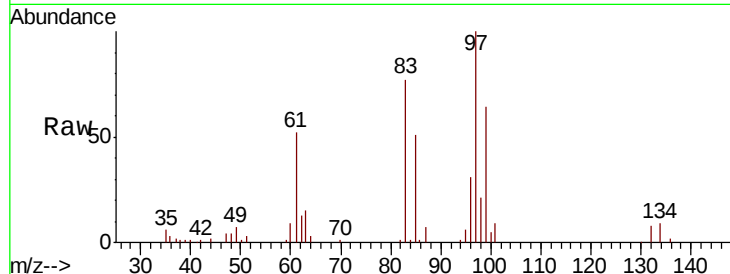




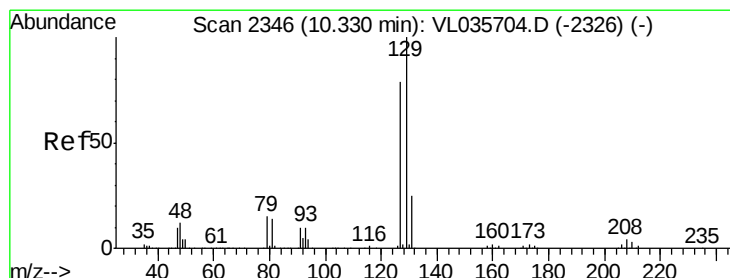
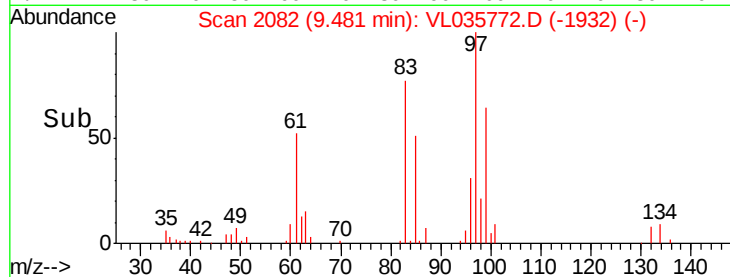
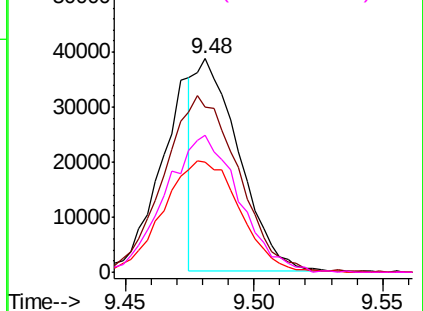
#47
 1,1,2-Trichloroethane
 Concen: 0.305 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Tot Ion: 97 Resp: 45639
 Ion Ratio Lower Upper
 97 100
 83 77.0 67.1 100.7
 85 51.3 43.9 65.9
 99 64.7 51.3 76.9

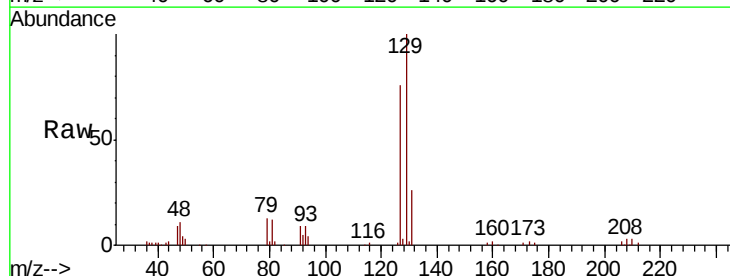


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

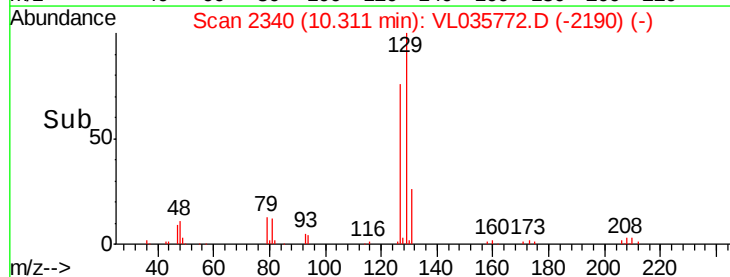
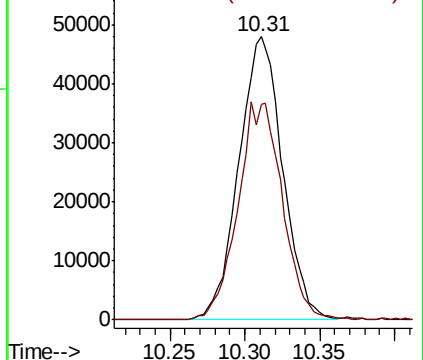


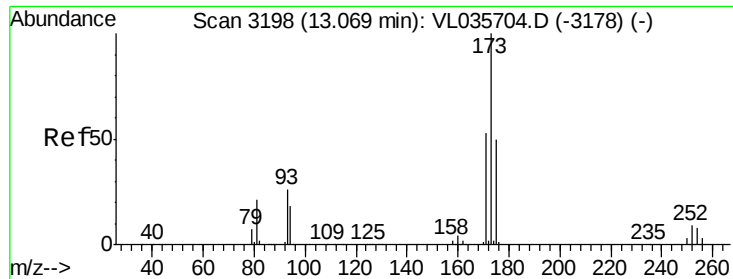
#48
 Dibromochloromethane
 Concen: 0.430 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion: 129 Resp: 97782
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.4 118.1



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





#49

Bromoform

Concen: 0.400 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

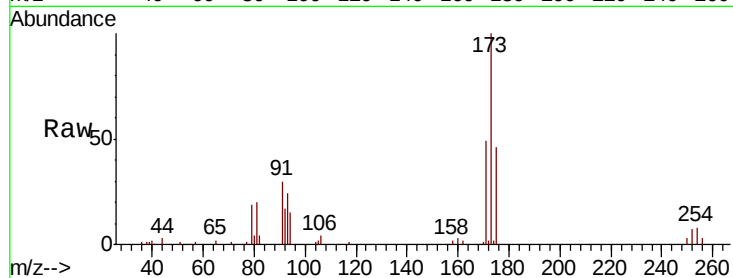
Tot Ion:173 Resp: 77187

Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.6

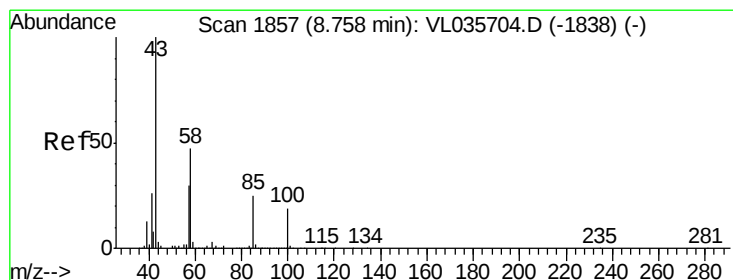
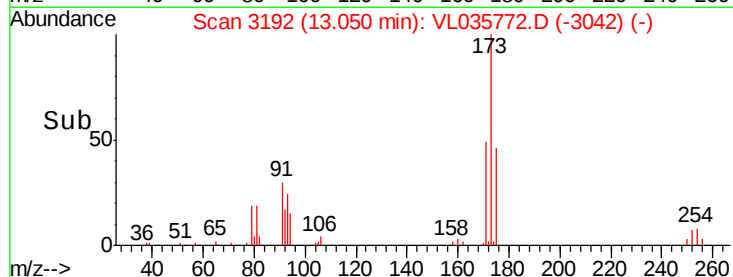
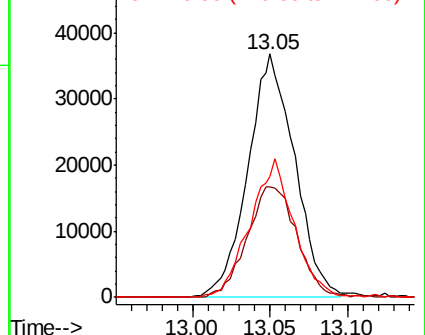
171 53.8 42.8 64.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.439 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VL035772.D

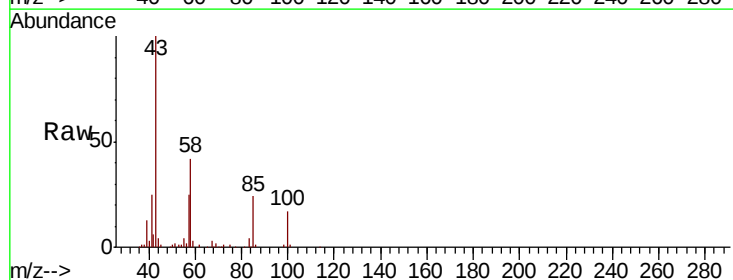
Acq: 12 Oct 2020 21:47

Tgt Ion: 43 Resp: 93795

Ion Ratio Lower Upper

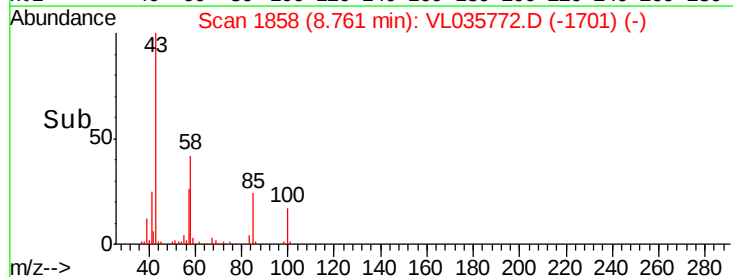
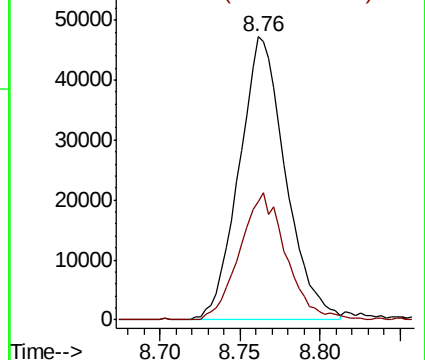
43 100

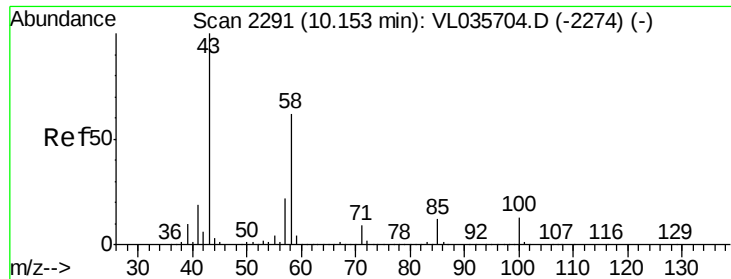
58 44.9 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

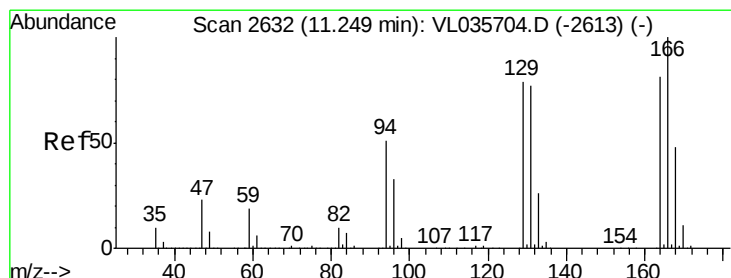
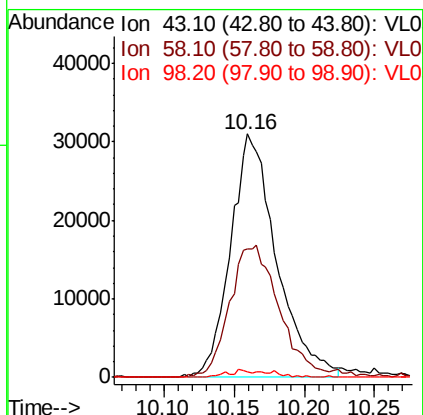
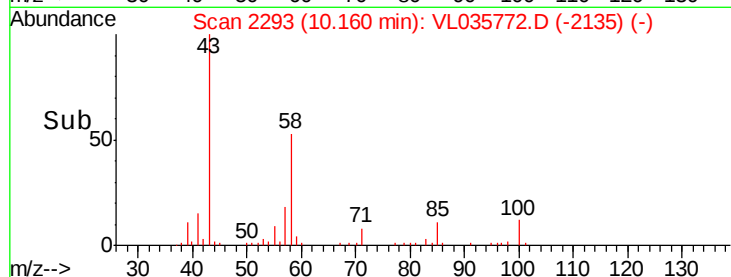
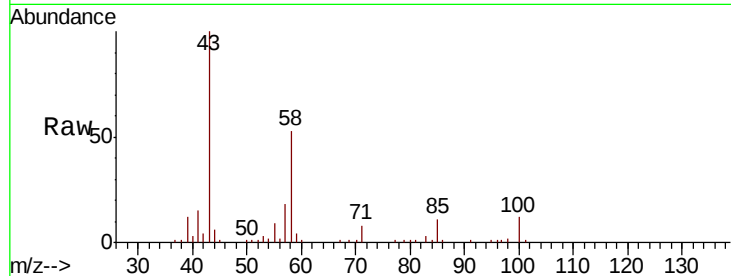




#51
2-Hexanone
Concen: 0.411 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

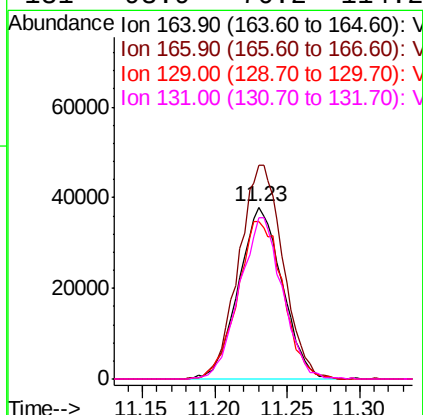
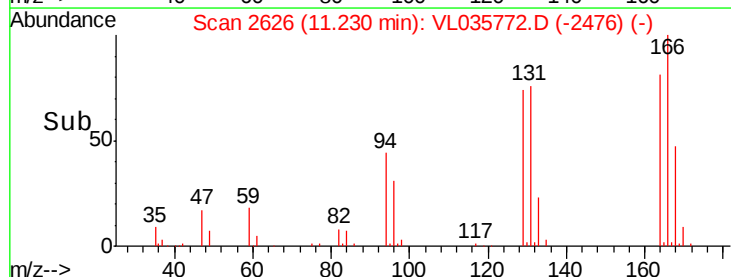
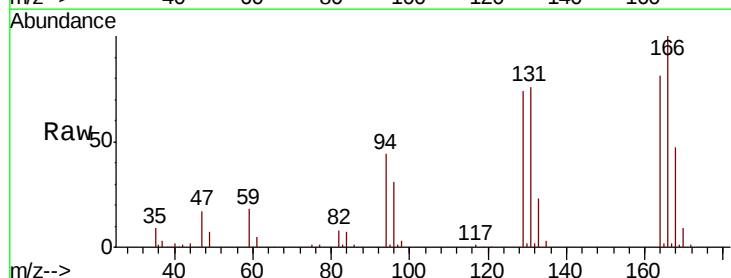
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

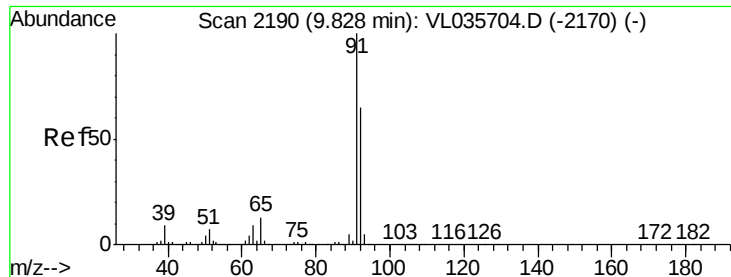
Tot Ion: 43 Resp: 70633
Ion Ratio Lower Upper
43 100
58 59.4 48.7 73.1
98 2.8 0.7 1.1#



#52
Tetrachloroethene
Concen: 0.572 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion: 164 Resp: 79226
Ion Ratio Lower Upper
164 100
166 124.2 98.7 148.1
129 91.7 78.4 117.6
131 93.9 76.2 114.2





#53

Toluene

Concen: 0.502 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

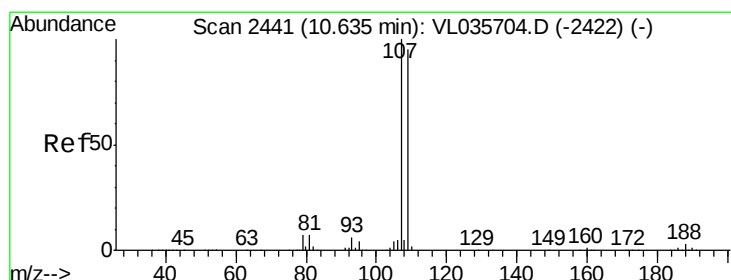
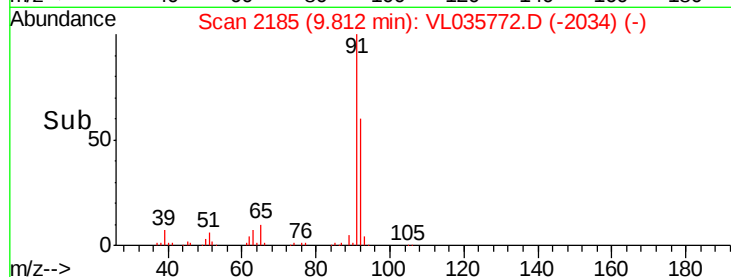
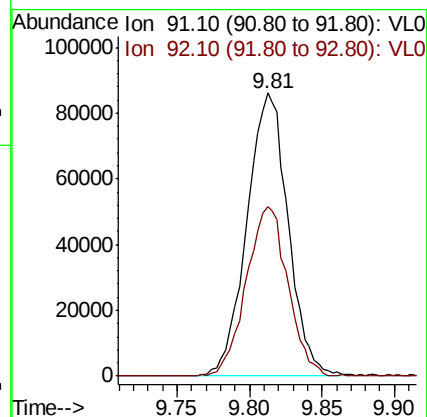
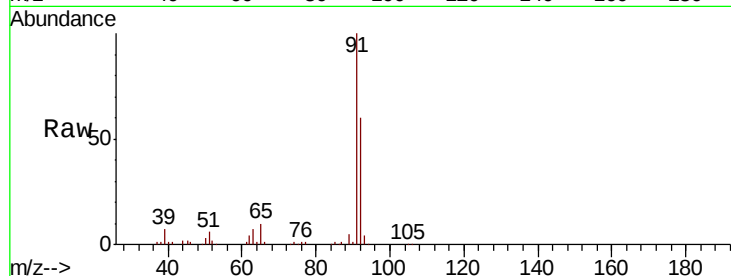
LOQ-AIR-01-QT4-2020

Tot Ion: 91 Resp: 170322

Ion Ratio Lower Upper

91 100

92 60.5 50.0 75.0



#54

1,2-Dibromoethane

Concen: 0.517 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.02 min

Lab File: VL035772.D

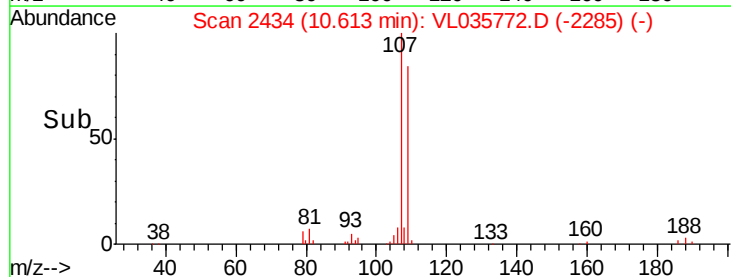
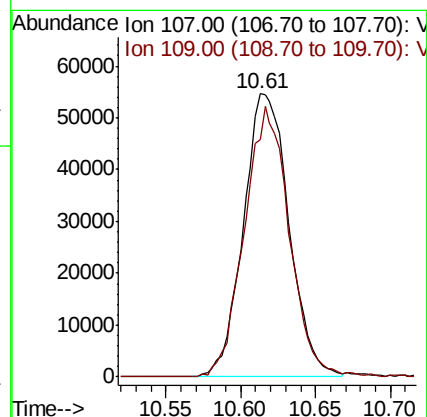
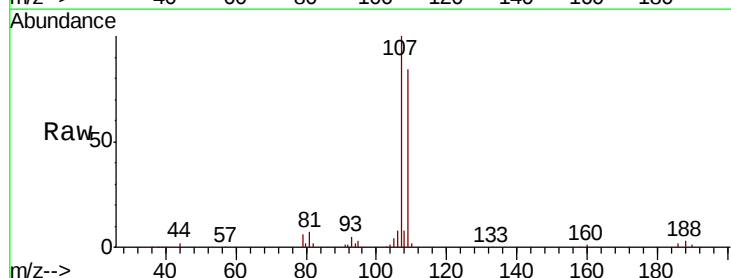
Acq: 12 Oct 2020 21:47

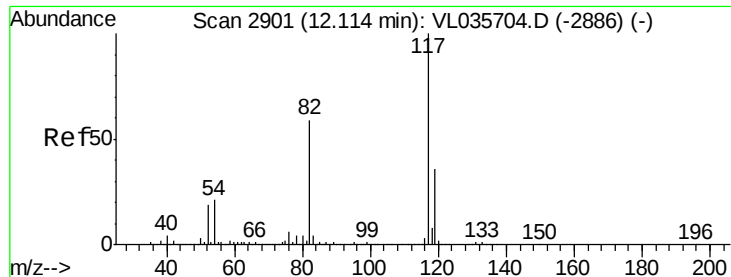
Tgt Ion: 107 Resp: 115762

Ion Ratio Lower Upper

107 100

109 83.8 76.0 114.0

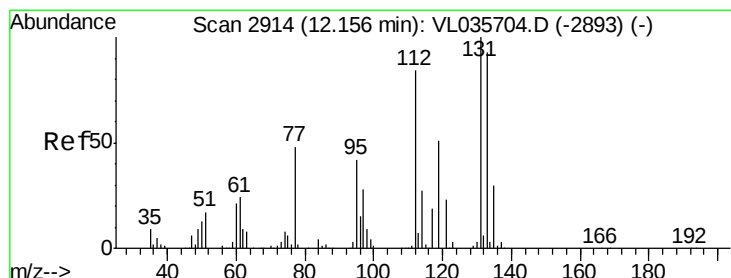
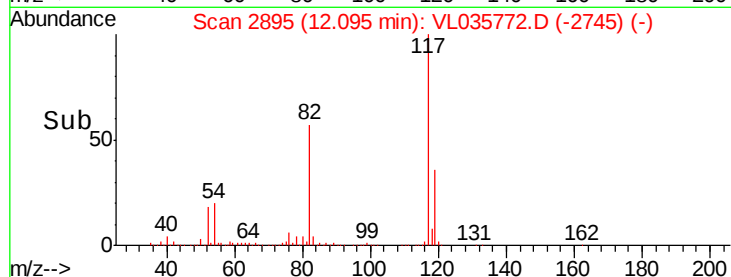
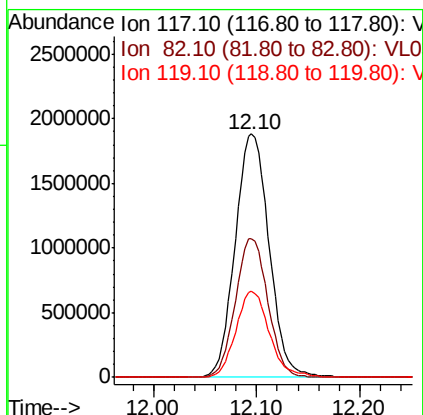
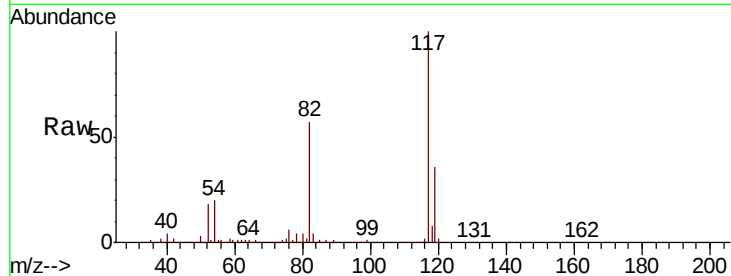




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

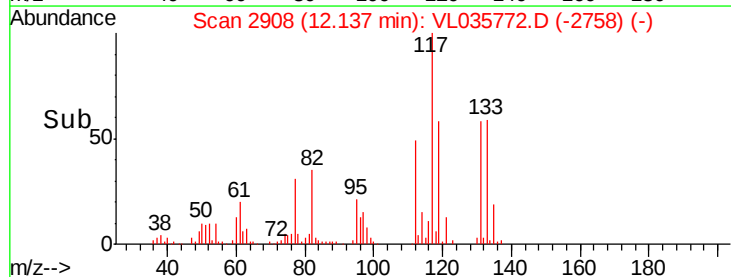
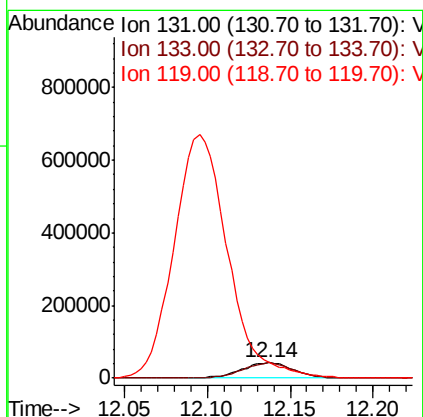
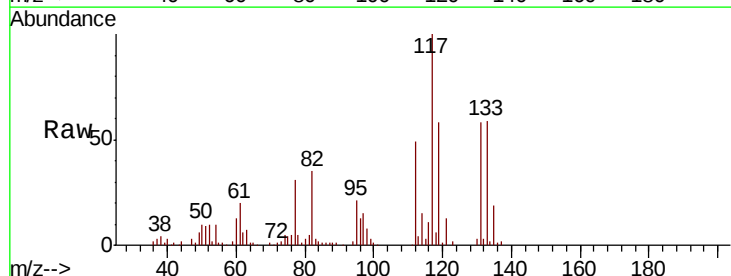
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

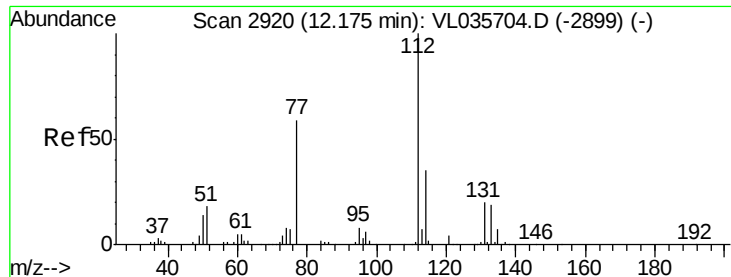
Tot Ion:117 Resp: 4317341
Ion Ratio Lower Upper
117 100
82 55.1 46.1 69.1
119 35.2 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.508 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion:131 Resp: 91919
Ion Ratio Lower Upper
131 100
133 97.7 76.2 114.4
119 1654.3 52.4 78.6#

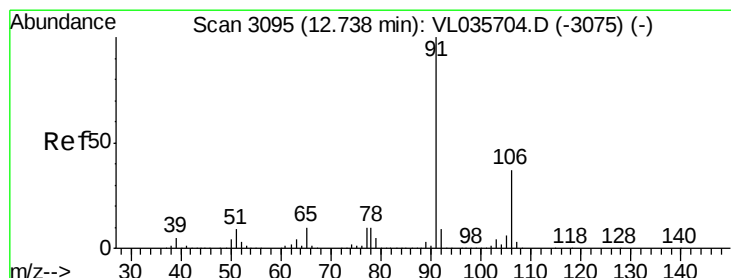
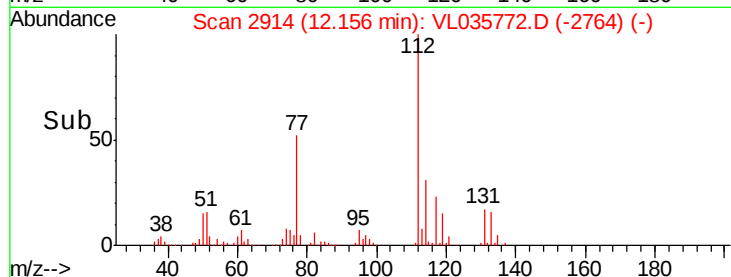
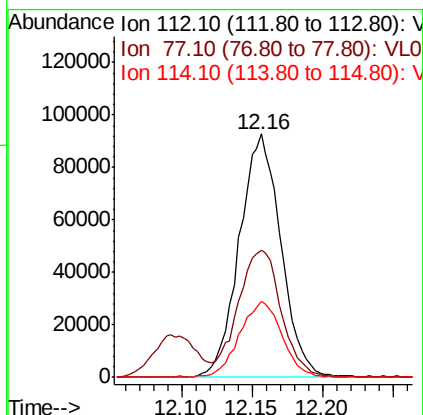
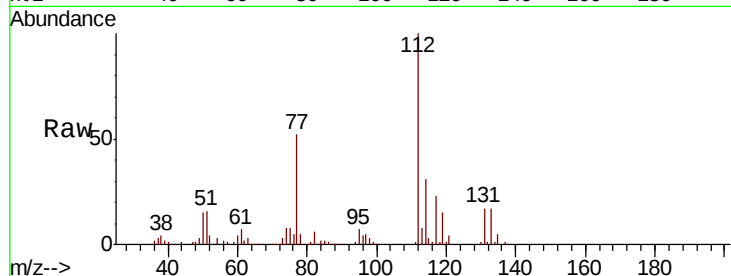




#57
Chlorobenzene
Concen: 0.586 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

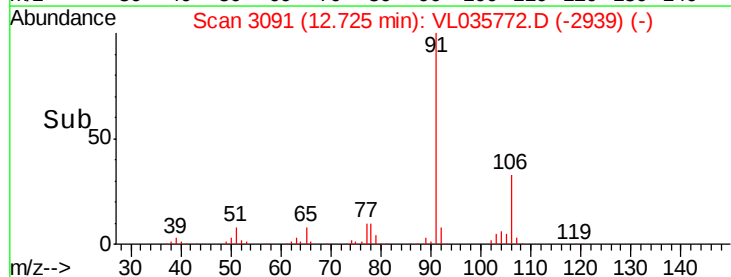
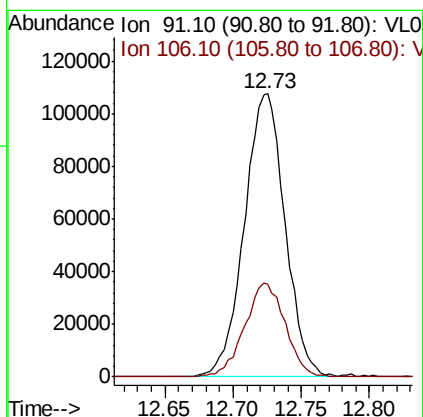
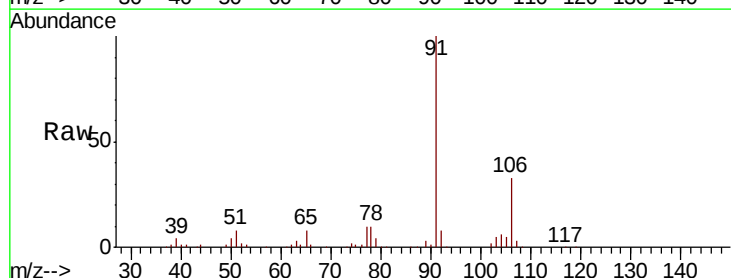
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

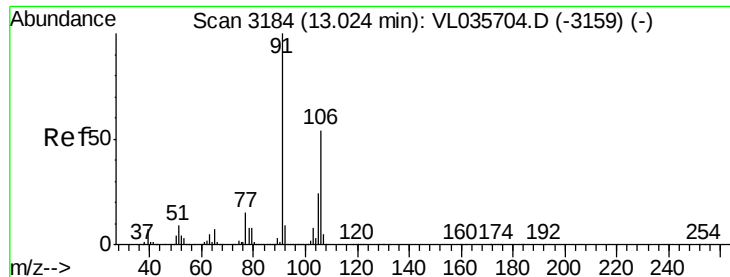
Tot Ion: 112 Resp: 191178
Ion Ratio Lower Upper
112 100
77 52.5 48.2 72.2
114 30.7 31.9 39.1#



#58
Ethyl Benzene
Concen: 0.515 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion: 91 Resp: 222948
Ion Ratio Lower Upper
91 100
106 32.9 29.7 44.5

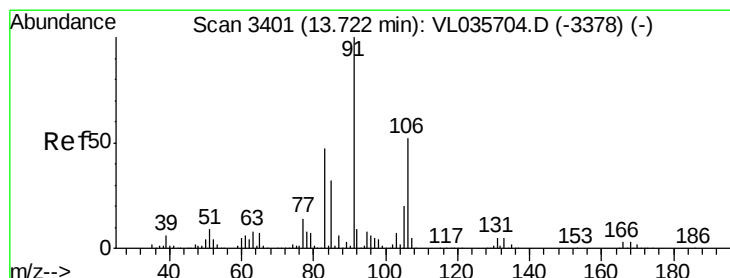
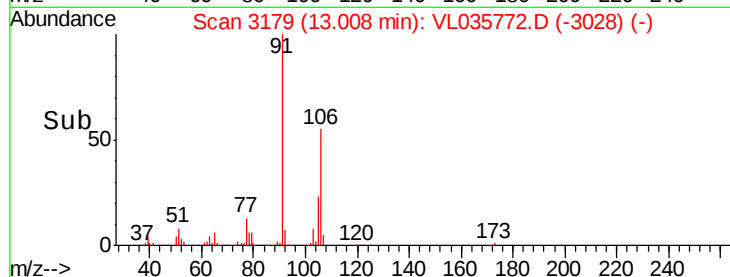
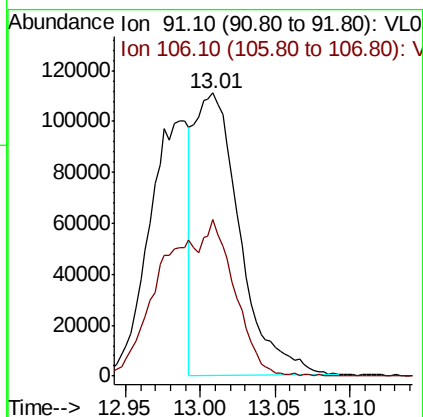
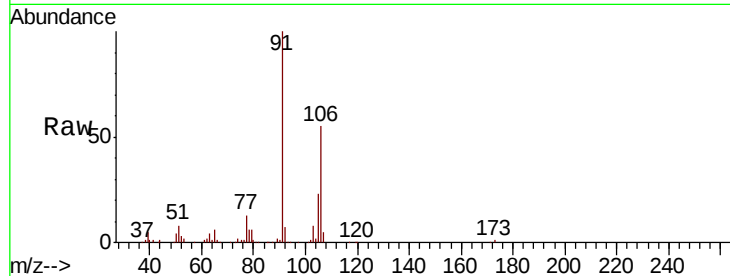




#59
m/p-Xylene
Concen: 0.615 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

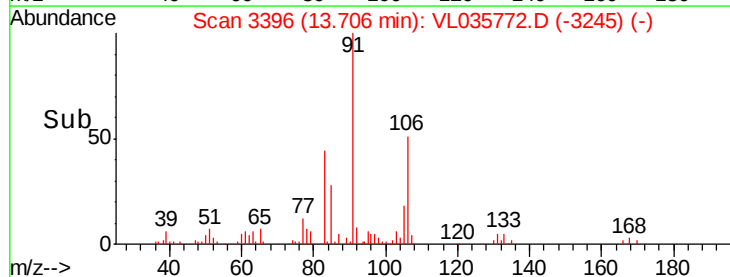
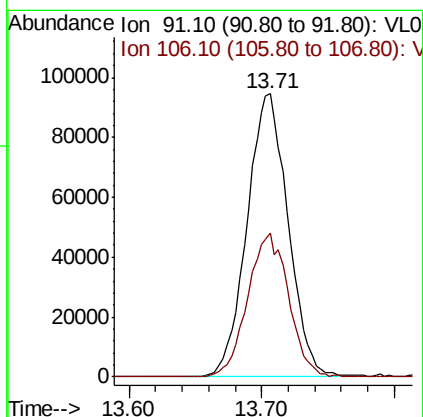
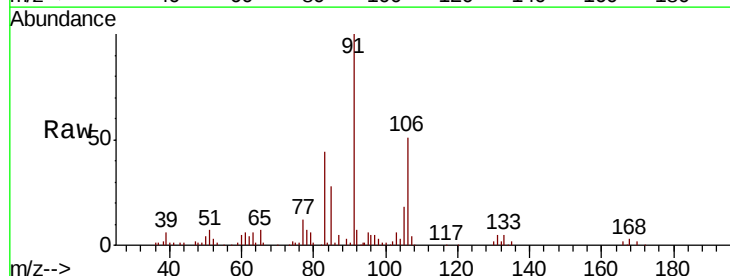
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

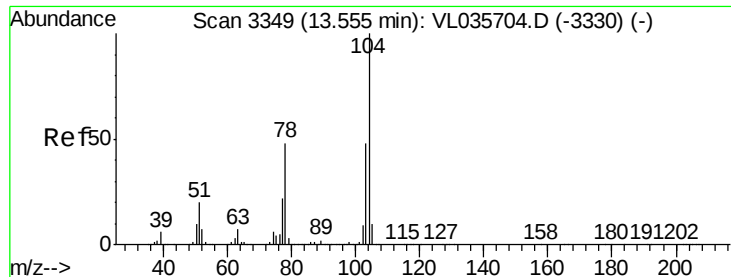
Tot Ion: 91 Resp: 232686
Ion Ratio Lower Upper
91 100
106 88.4 41.4 62.0#



#60
o-Xylene
Concen: 0.532 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion: 91 Resp: 203660
Ion Ratio Lower Upper
91 100
106 50.4 25.0 75.0





#61

Stvrene

Concen: 0.451 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

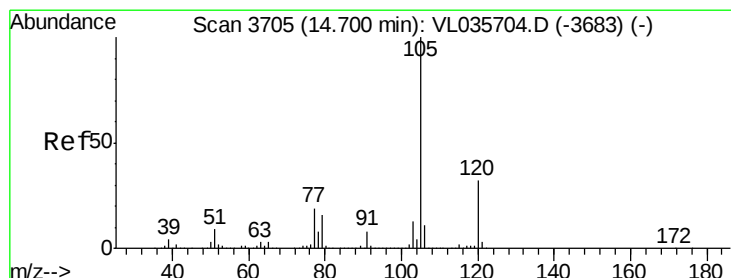
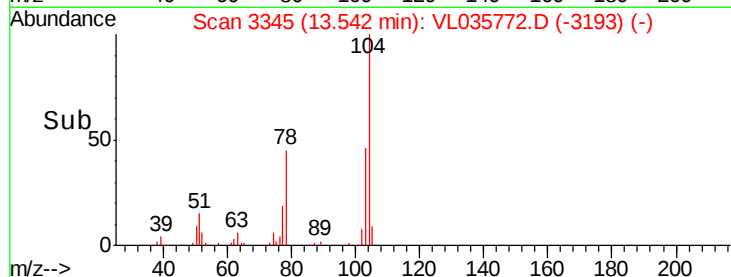
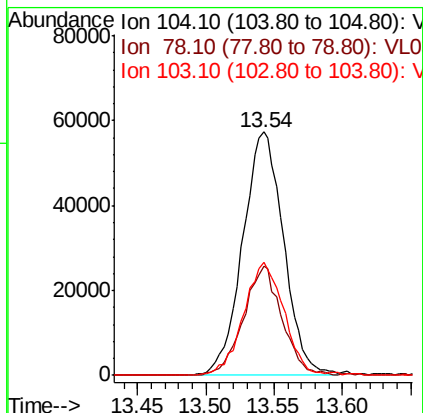
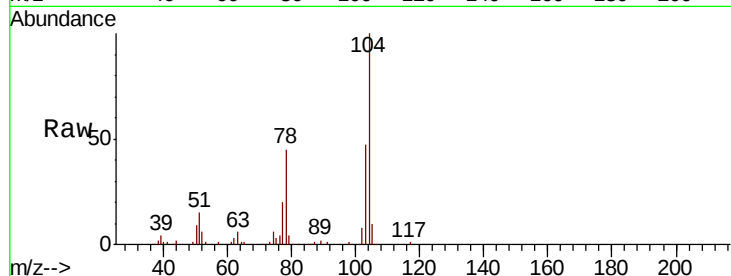
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion:	104	Resp:	119347
Ion	Ratio	Lower	Upper
104	100		
78	42.5	37.2	55.8
103	46.2	38.2	57.2



#62

Isopropylbenzene

Concen: 0.565 ppbv

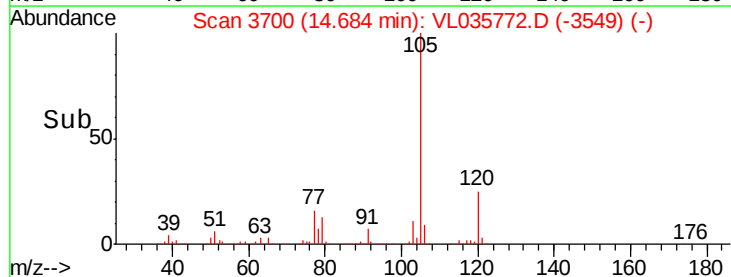
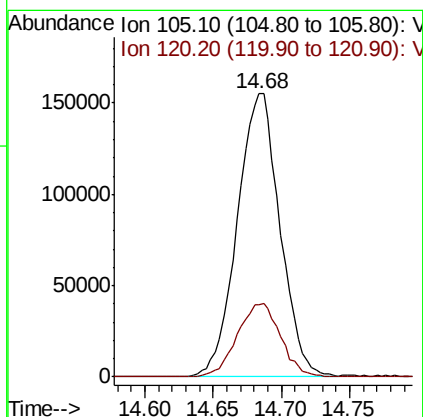
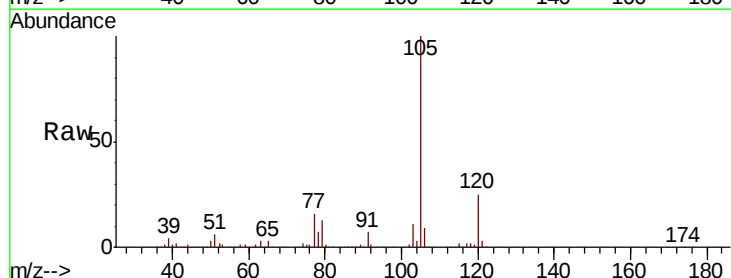
RT: 14.68 min Scan# 3700

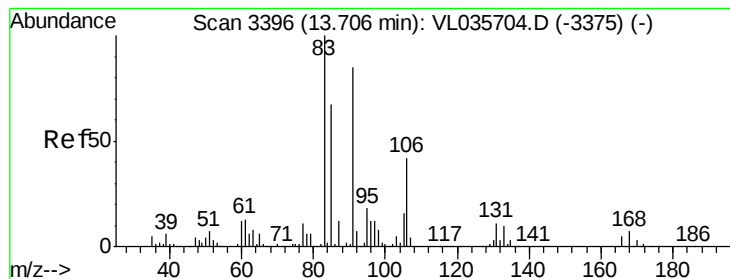
Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Tgt Ion:	105	Resp:	335416
Ion	Ratio	Lower	Upper
105	100		
120	26.5	24.1	36.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.523 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

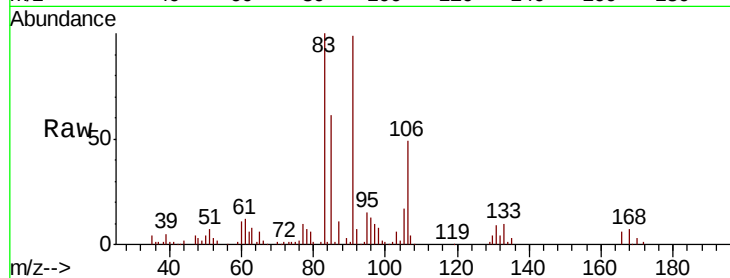
Tot Ion: 83 Resp: 164194

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

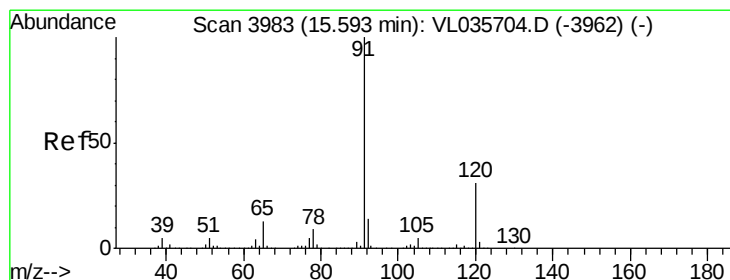
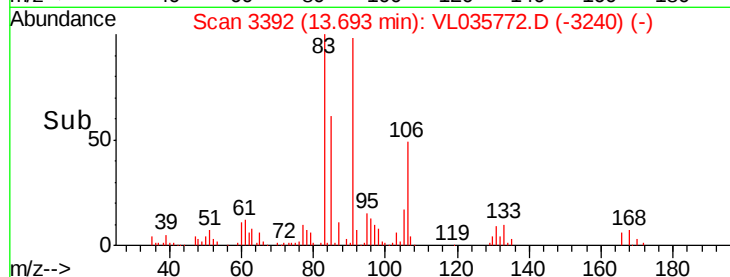
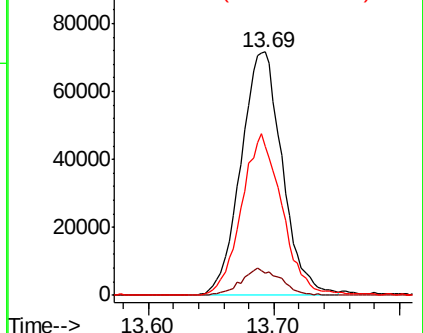
85 65.1 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.537 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL035772.D

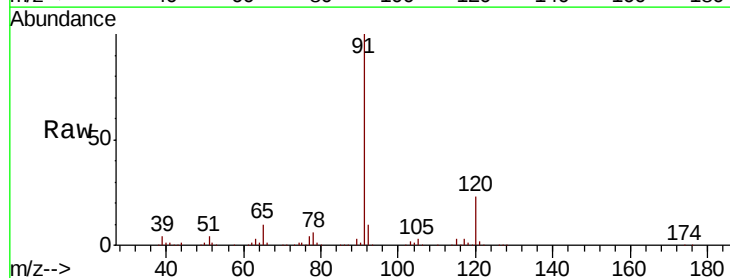
Acq: 12 Oct 2020 21:47

Tgt Ion:120 Resp: 93308

Ion Ratio Lower Upper

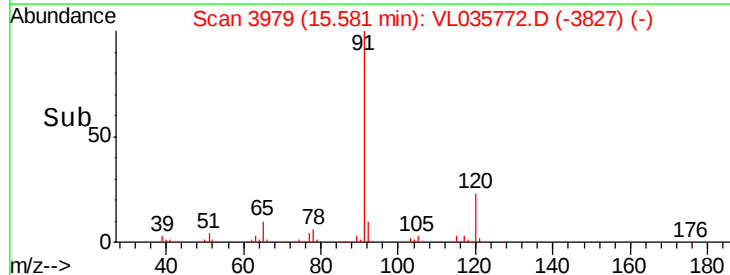
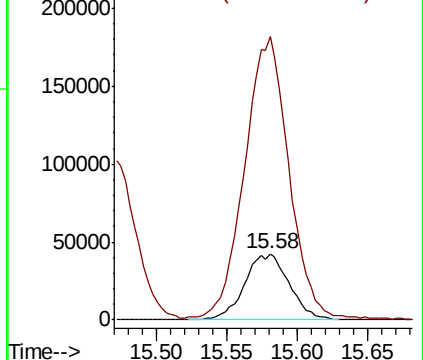
120 100

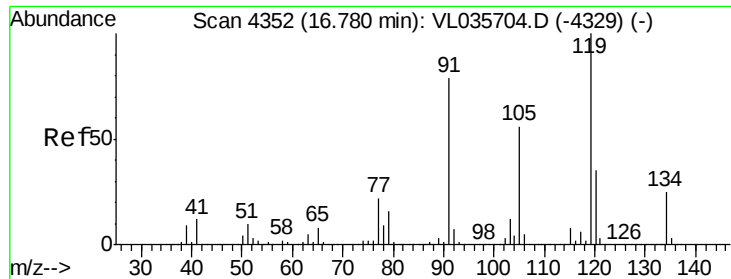
91 433.9 300.4 450.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

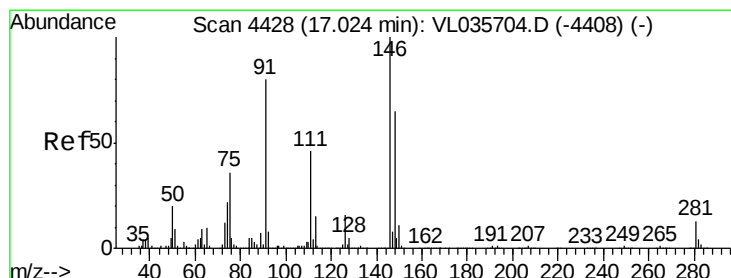
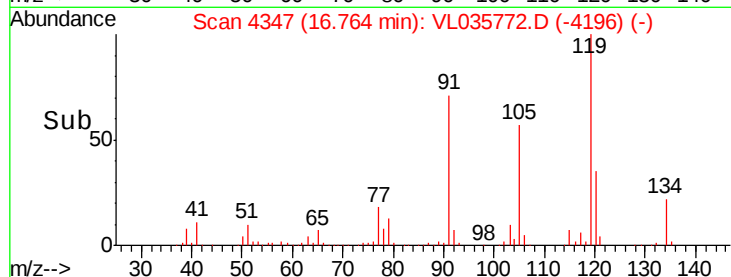
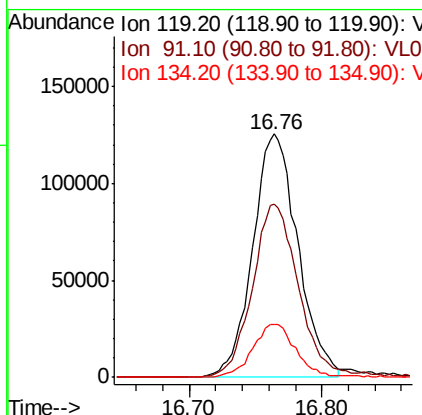
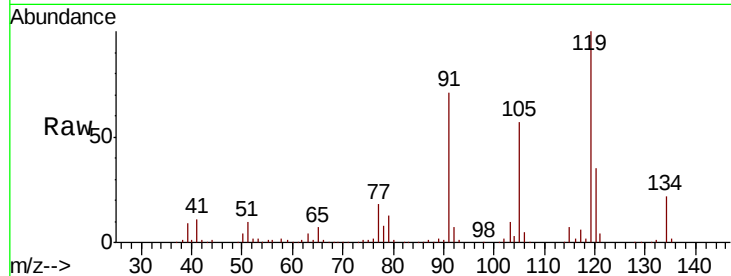




#65
 tert-Butylbenzene
 Concen: 0.550 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

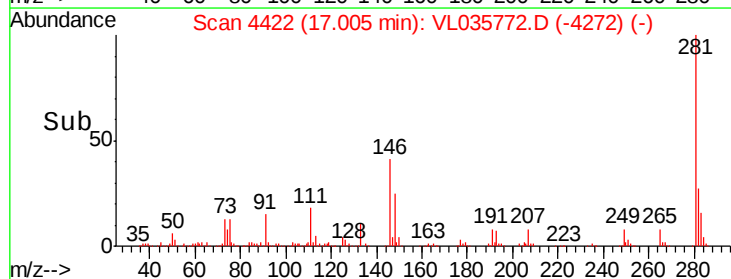
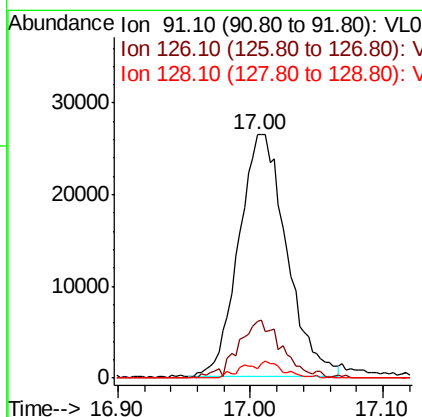
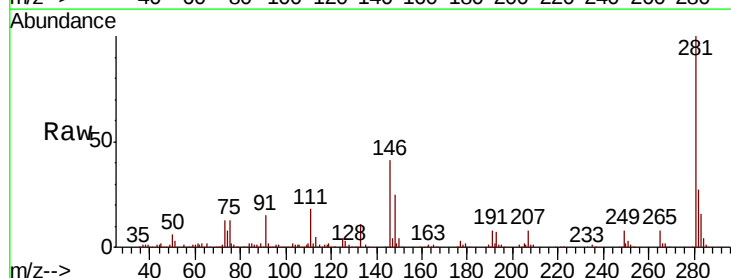
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

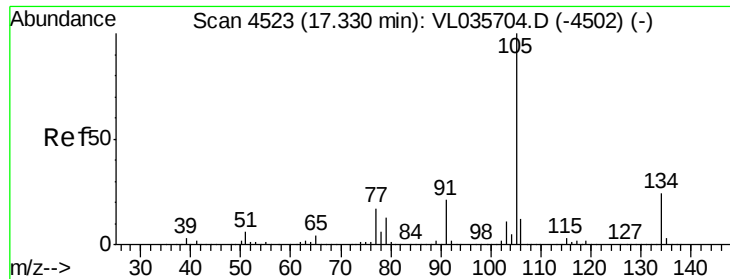
Tot Ion:119 Resp: 296998
 Ion Ratio Lower Upper
 119 100
 91 74.0 62.4 93.6
 134 21.3 18.2 27.2



#66
 Benzyl Chloride
 Concen: 0.404 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion: 91 Resp: 66144
 Ion Ratio Lower Upper
 91 100
 126 22.3 15.3 22.9
 128 5.8 5.0 7.4

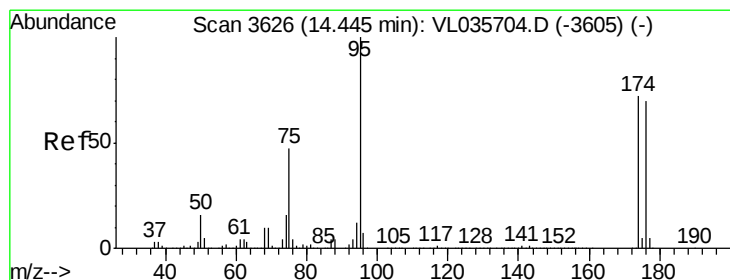
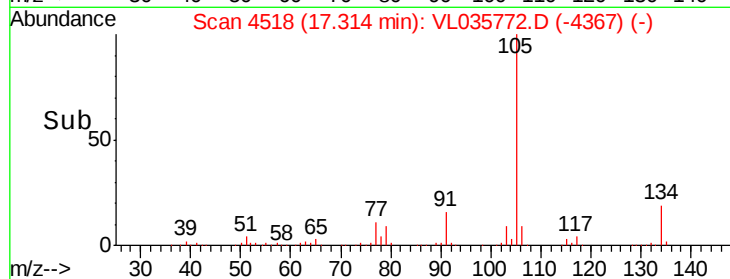
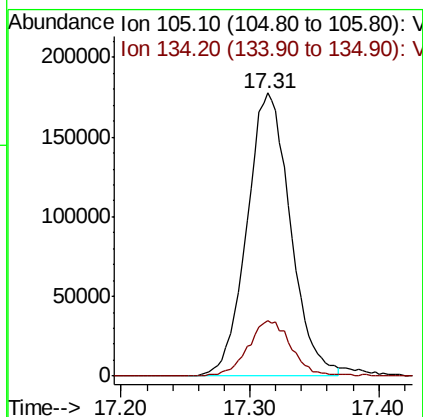
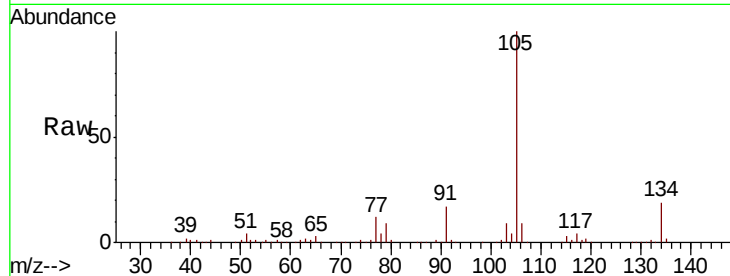




#67
 sec-Butylbenzene
 Concen: 0.560 ppbv
 RT: 17.31 min Scan# 4518
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

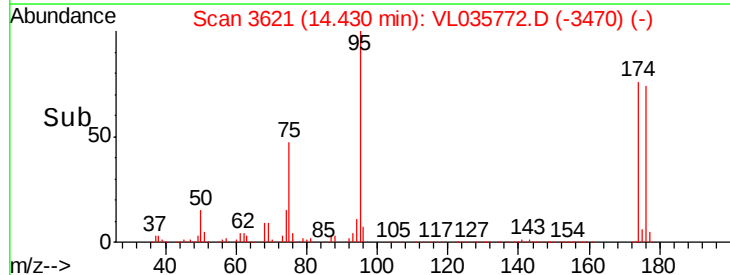
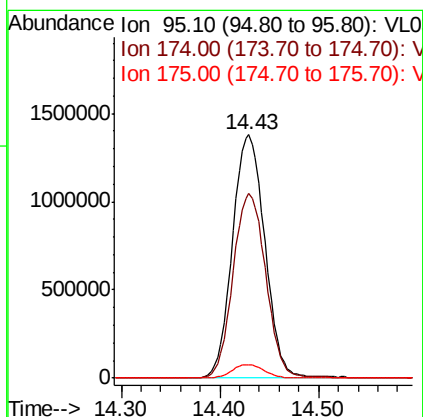
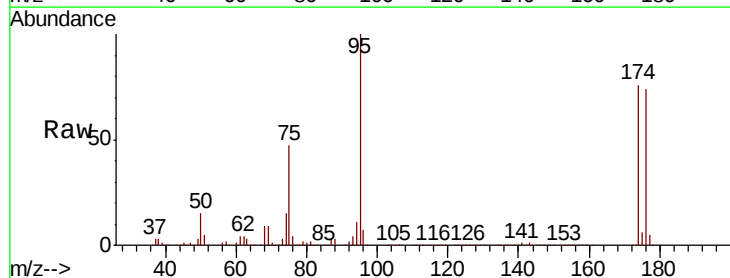
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

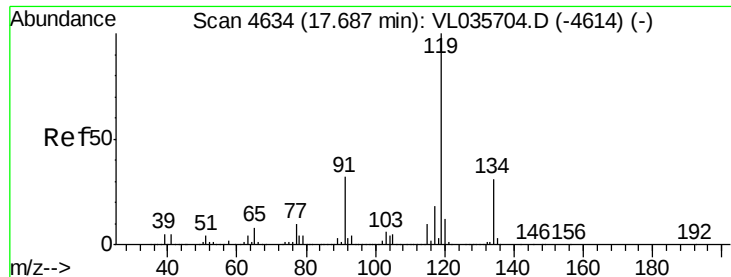
Tot Ion:105 Resp: 417487
 Ion Ratio Lower Upper
 105 100
 134 19.7 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.760 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion: 95 Resp: 3157361
 Ion Ratio Lower Upper
 95 100
 174 77.2 59.6 89.4
 175 5.5 4.2 6.4

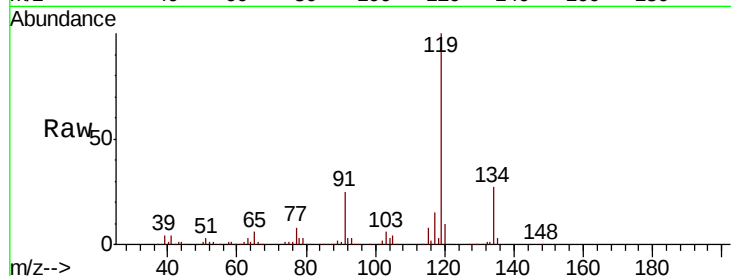




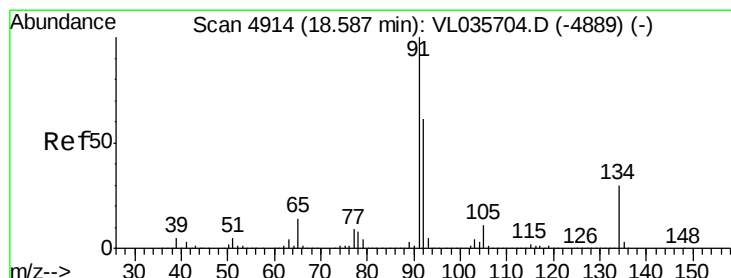
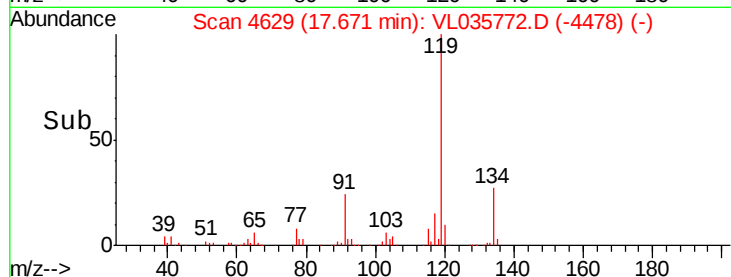
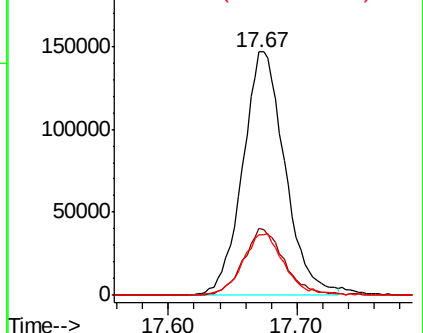
#69
 p-Isopropyltoluene
 Concen: 0.552 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	23.9	35.9
91	25.4	23.8	35.6

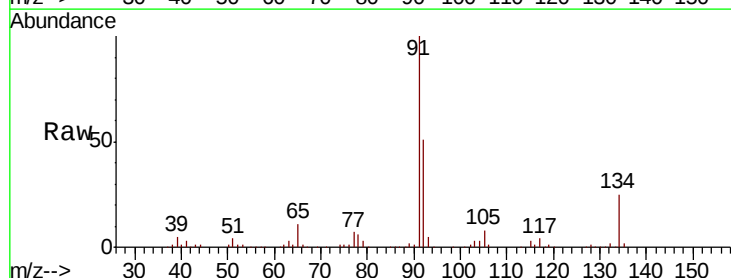


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

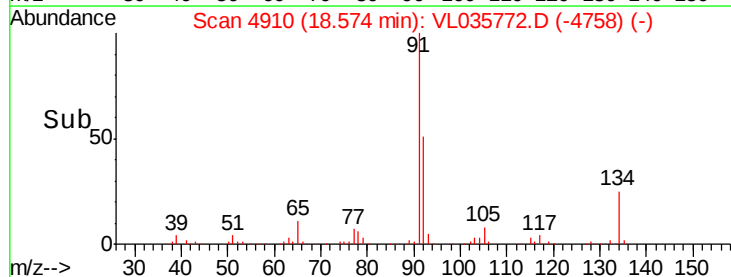
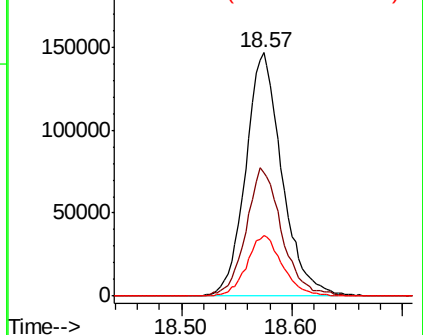


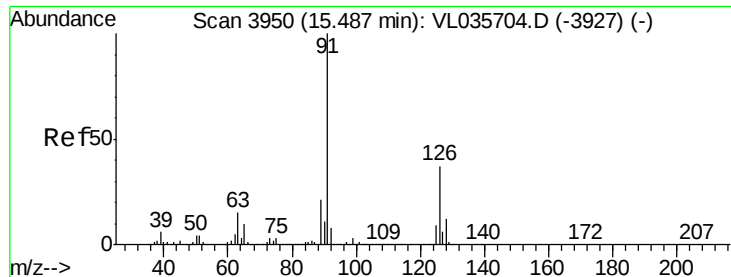
#70
 n-Butylbenzene
 Concen: 0.535 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	47.0	70.4
134	24.6	21.9	32.9



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





#71

2-Chlorotoluene

Concen: 0.532 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

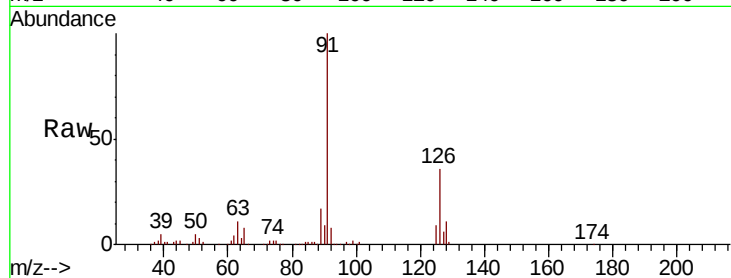
LOQ-AIR-01-QT4-2020

Tot Ion: 91 Resp: 230601

Ion Ratio Lower Upper

91 100

126 35.0 14.4 57.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

150000

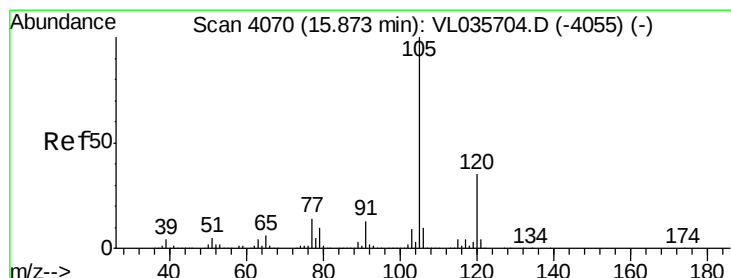
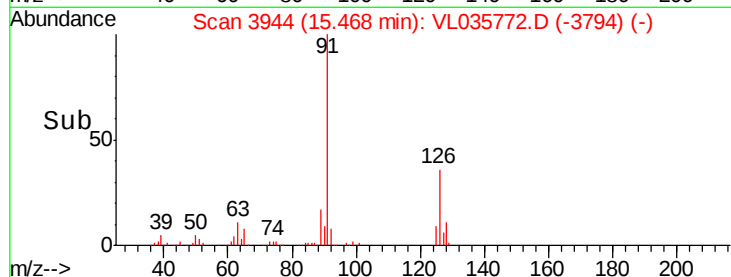
100000

50000

0

15.40 15.45 15.50 15.55

Time-->



#72

4-Ethyltoluene

Concen: 0.523 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Tgt Ion:105 Resp: 237115

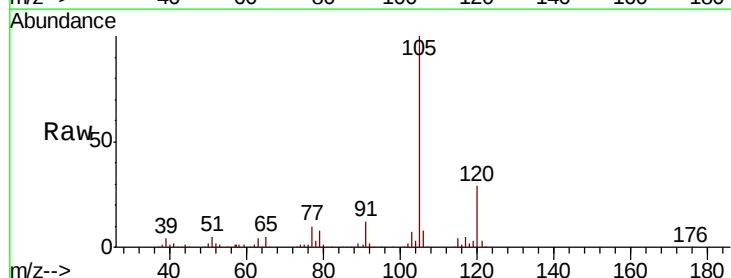
Ion Ratio Lower Upper

105 100

120 30.8 26.5 39.7

91 13.4 10.2 15.2

77 11.2 10.3 15.5



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

150000

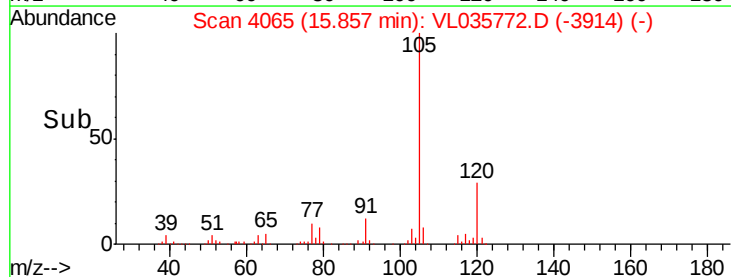
100000

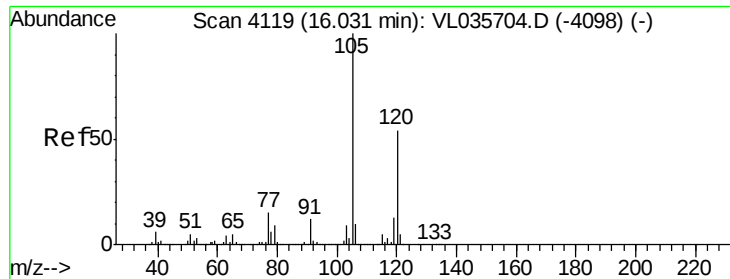
50000

0

15.80 15.85 15.90 15.95

Time-->

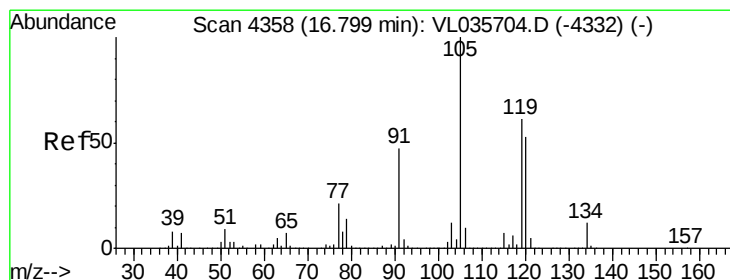
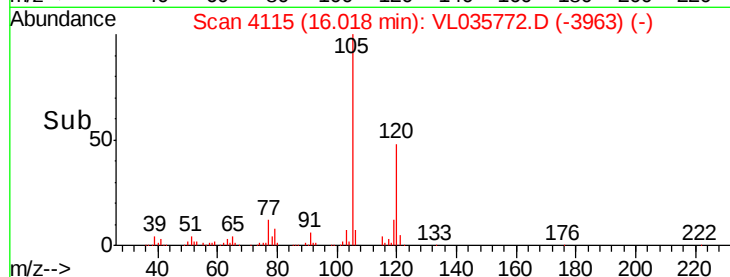
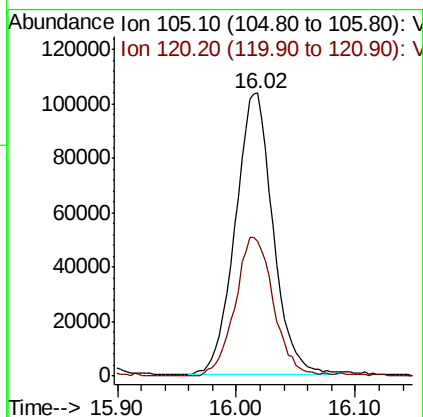
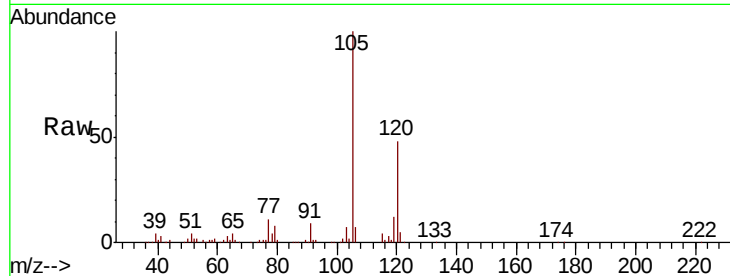




#73
 1,3,5-Trimethylbenzene
 Concen: 0.526 ppbv
 RT: 16.02 min Scan# 4115
 Delta R.T. -0.01 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

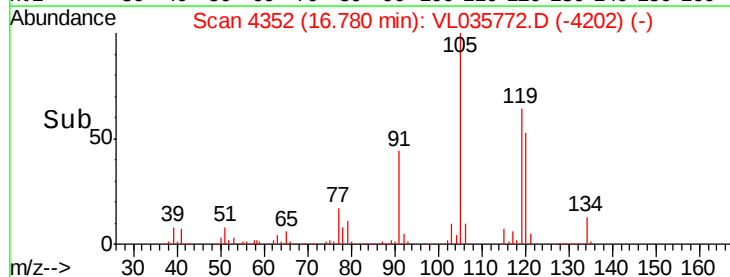
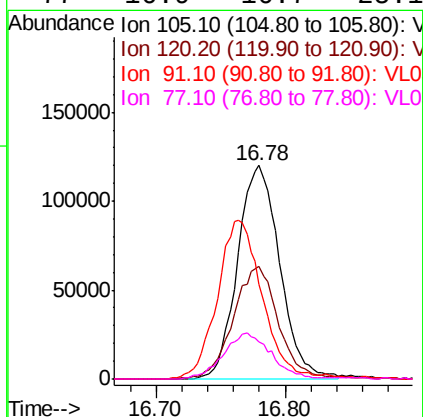
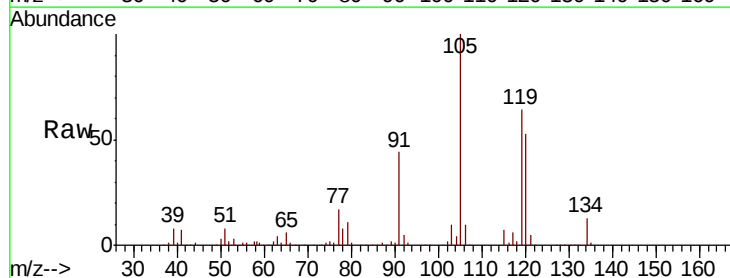
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

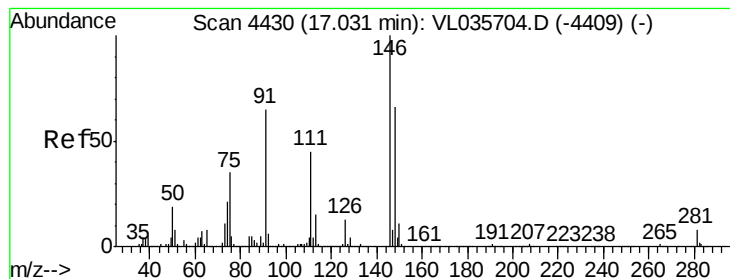
Tot Ion:105 Resp: 225485
 Ion Ratio Lower Upper
 105 100
 120 48.1 43.0 64.4



#74
 1,2,4-Trimethylbenzene
 Concen: 0.563 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion:105 Resp: 271740
 Ion Ratio Lower Upper
 105 100
 120 52.1 42.5 63.7
 91 42.9 37.7 56.5
 77 16.9 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 0.616 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

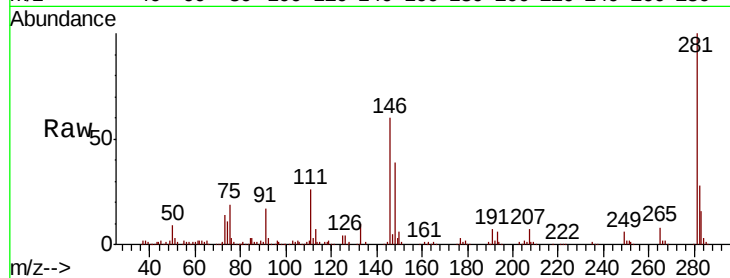
Tot Ion:146 Resp: 203021

Ion Ratio Lower Upper

146 100

111 42.3 22.4 67.0

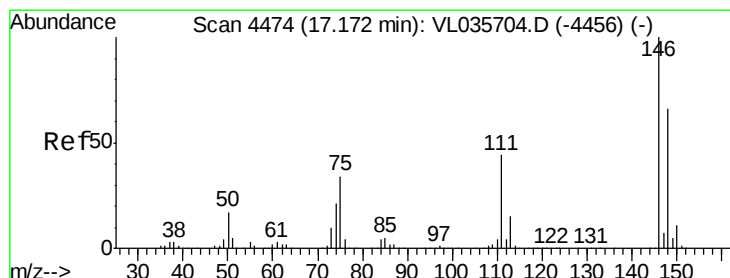
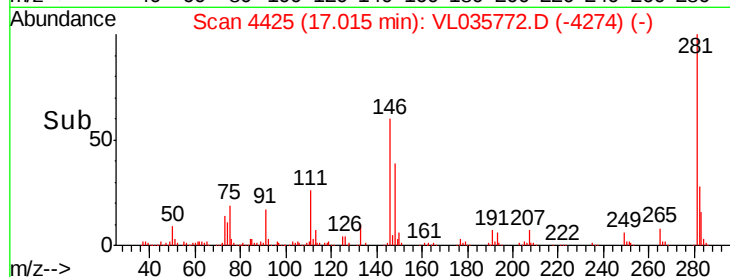
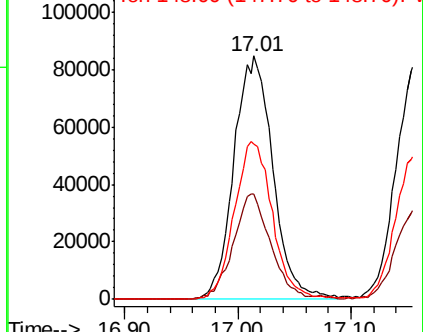
148 63.8 33.0 99.0



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



#76

1,4-Dichlorobenzene

Concen: 0.593 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. -0.02 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

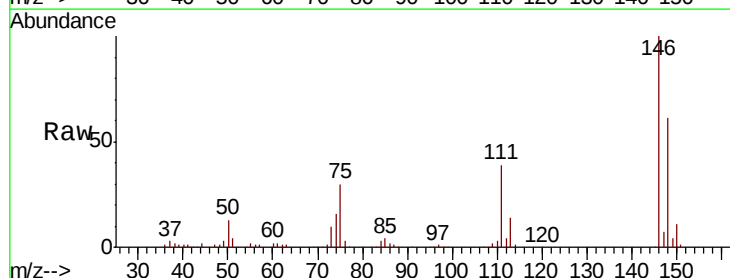
Tgt Ion:146 Resp: 187001

Ion Ratio Lower Upper

146 100

111 40.3 21.4 64.3

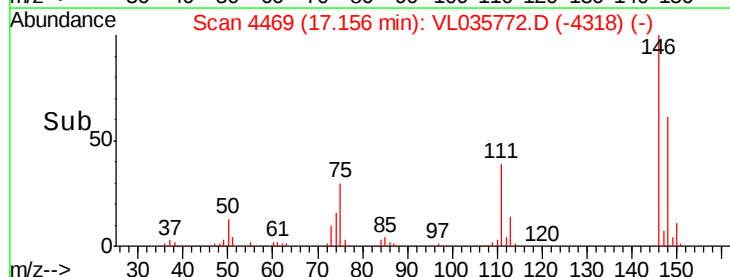
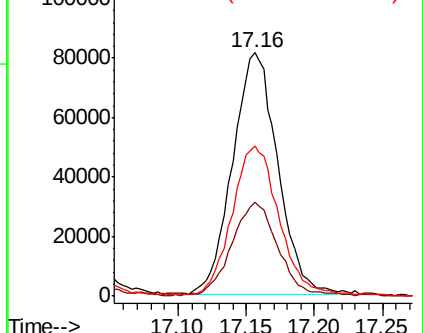
148 66.0 32.6 98.0

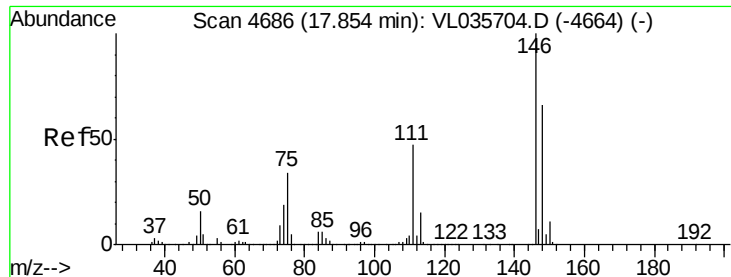


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

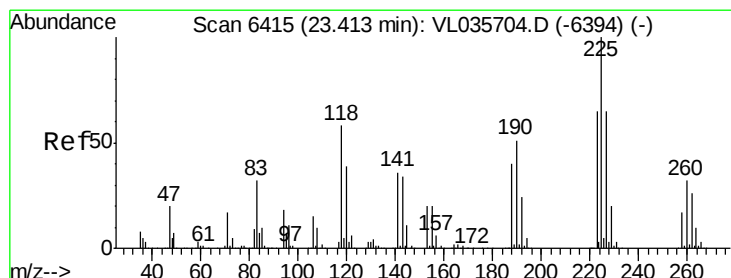
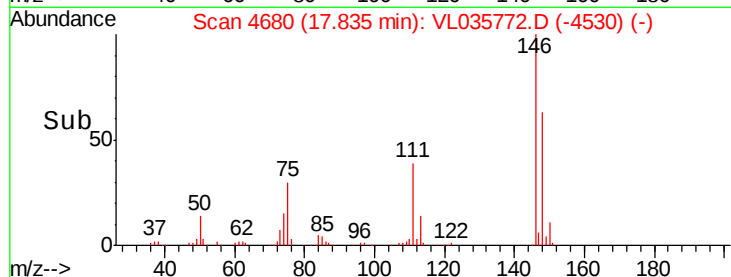
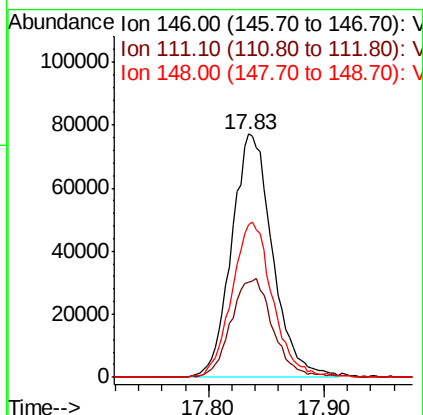
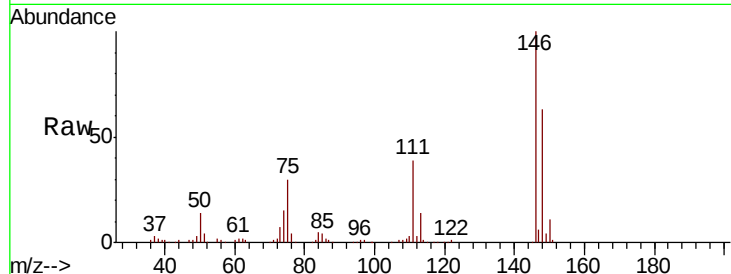




#77
 1,2-Dichlorobenzene
 Concen: 0.604 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

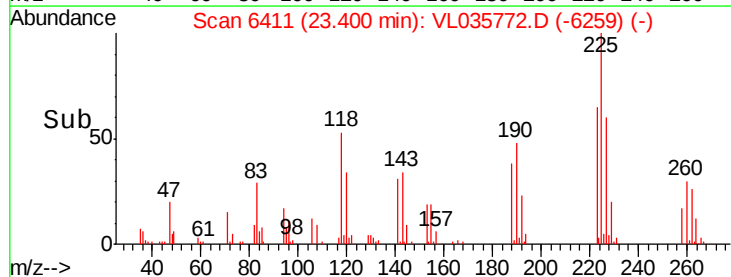
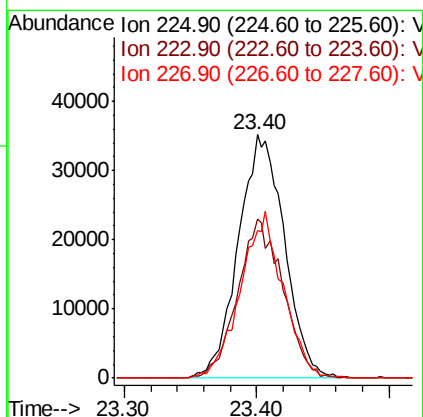
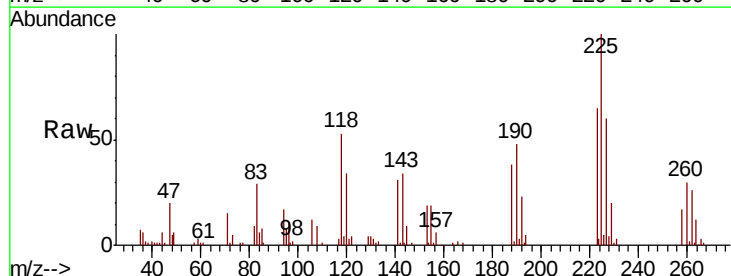
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

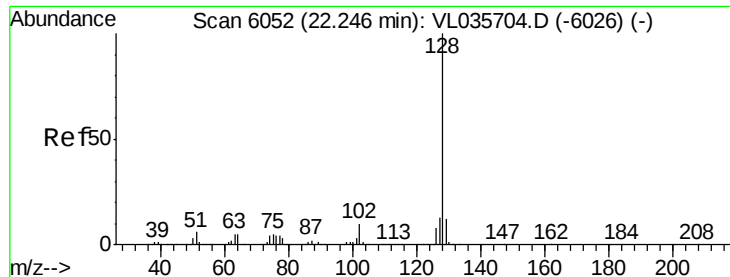
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	22.9	68.5
148	63.8	32.6	98.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.494 ppbv
 RT: 23.40 min Scan# 6411
 Delta R.T. -0.01 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.3	76.9
227	63.4	51.6	77.4

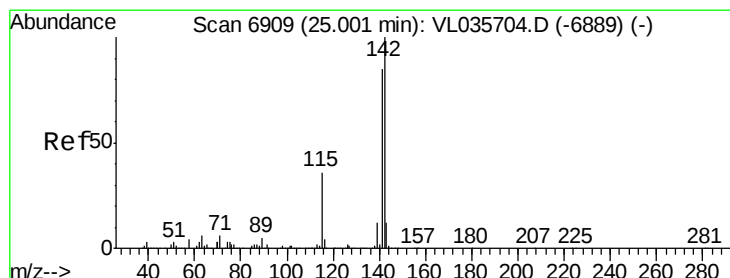
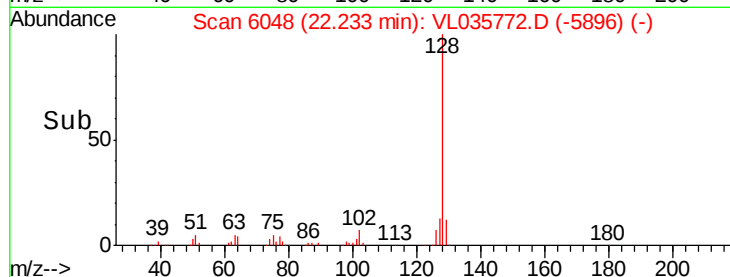
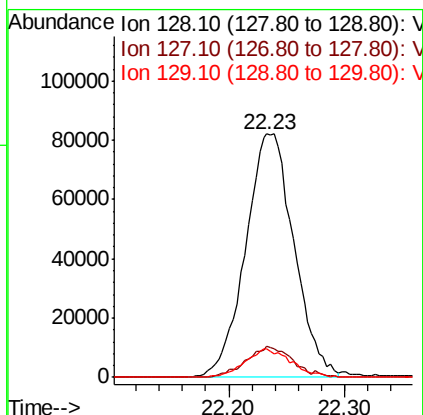
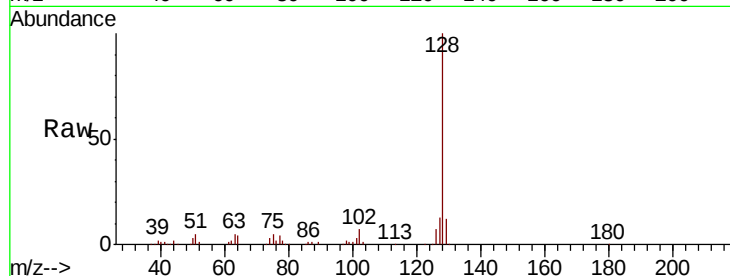




#79
Naphthalene
Concen: 0.517 ppbv
RT: 22.23 min Scan# 6048
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

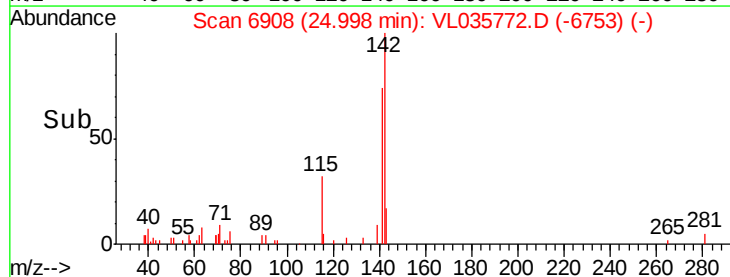
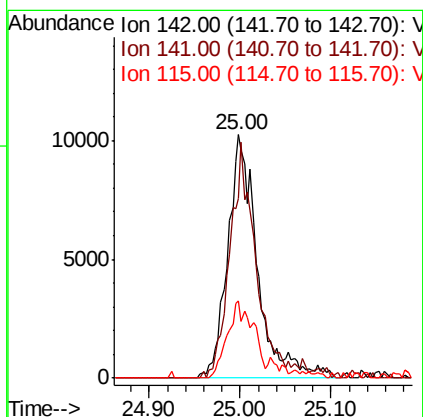
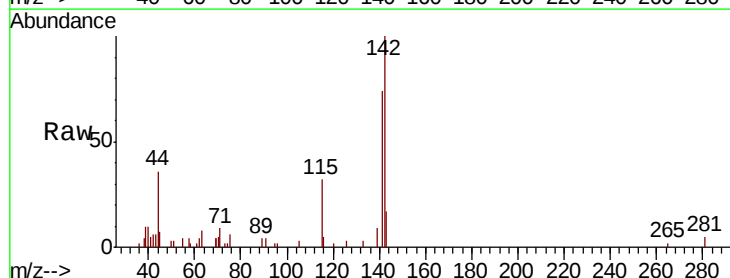
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	11.6	9.4	14.0



#80
Naphthalene, 2-methyl-
Concen: 0.214 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. -0.00 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	68.2	102.4
115	33.6	27.8	41.6





#81

1,2,4-Trichlorobenzene

Concen: 0.570 ppbv

RT: 21.96 min Scan# 5964

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

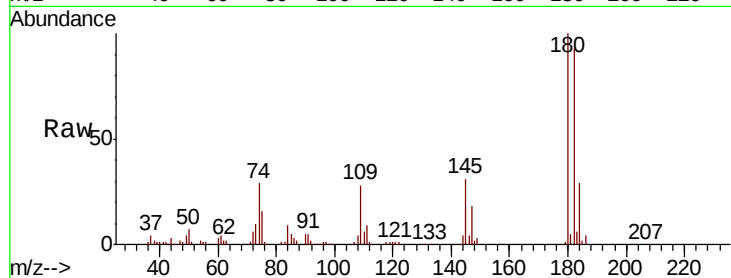
Tot Ion:180 Resp: 136051

Ion Ratio Lower Upper

180 100

182 98.6 76.2 114.2

184 30.9 24.6 37.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

