

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

Manual Integrations
 APPROVED

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 10/14/2020 2:11:56 PM

Quant Time: Oct 13 01:51:56 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2

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

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

						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	7.61	63	52868m	0.507	ppbv	
40) 1,4-Dioxane	7.88	88	30157m	0.632	ppbv	
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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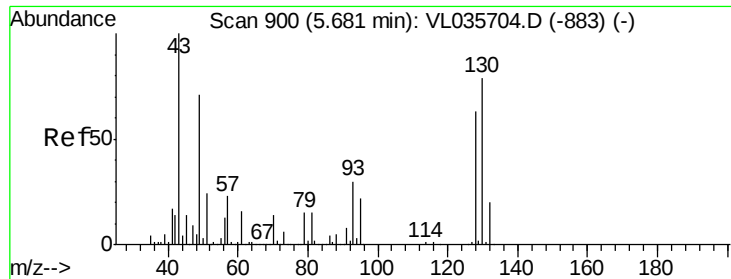
Manual Integrations
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Quant Time: Oct 13 01:51:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	204196	0.494	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	47036m	0.407	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	60180	0.422	ppbv	92
47) 1,1,2-Trichloroethane	9.48	97	77514m	0.519	ppbv	
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	423830m	1.120	ppbv	
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

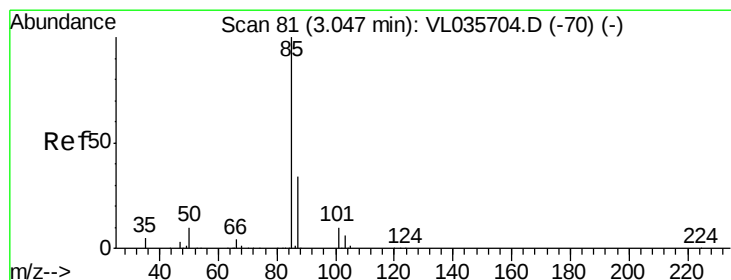
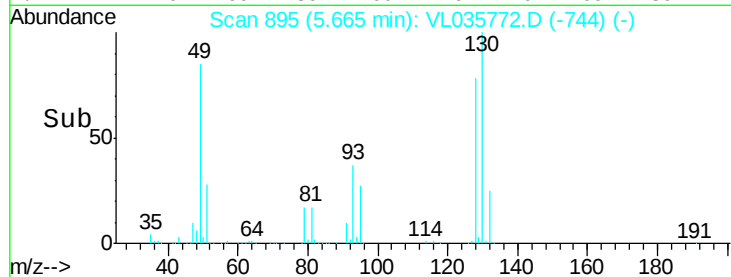
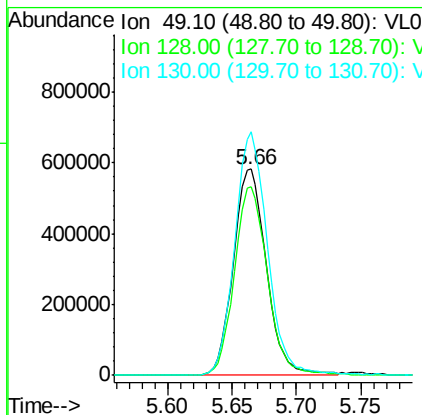
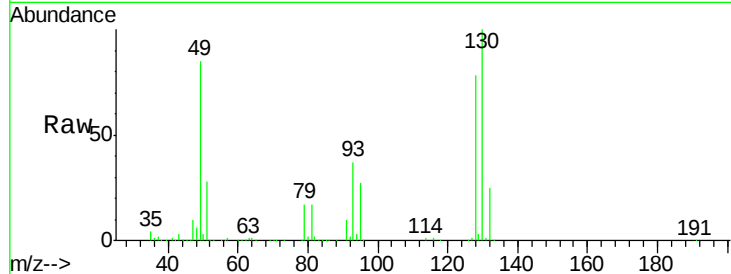
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: VL035772.D
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Tot Ion: 49 Resp: 1039523
 Ion Ratio Lower Upper
 49 100
 128 91.9 43.1 129.4
 130 118.0 54.9 164.7

Manual Integrations
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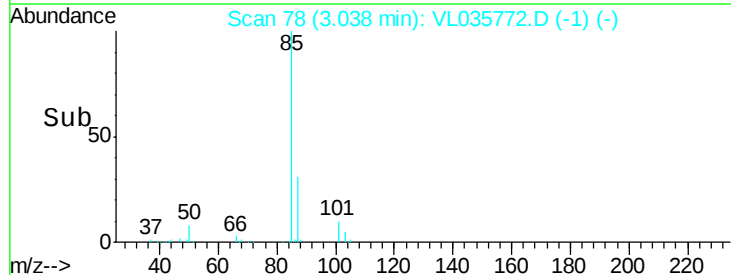
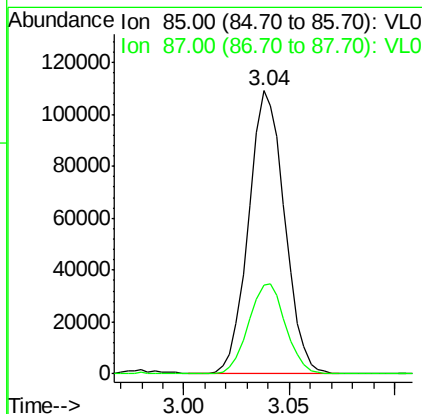
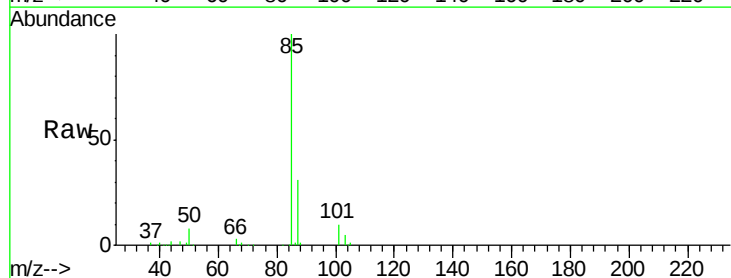
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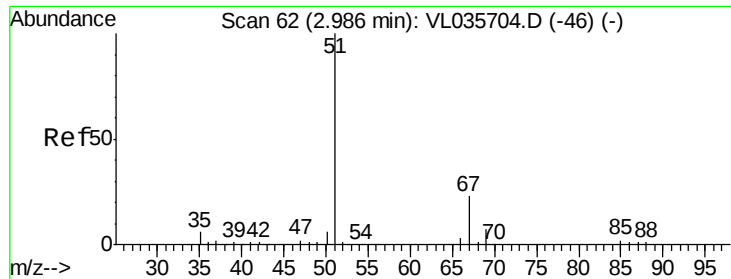


#2

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





#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

Tot Ion: 51 Resp: 63156

Ion Ratio Lower Upper

51 100

67 22.4 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

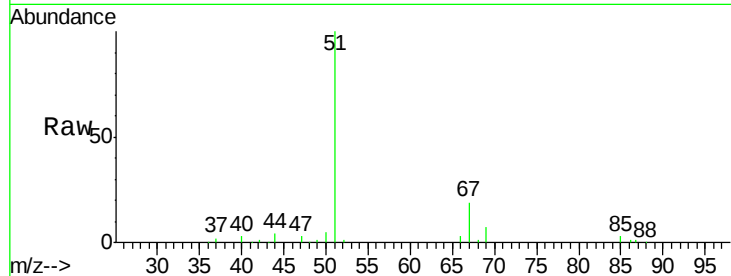
LOQ-AIR-01-QT4-2020

Manual Integrations

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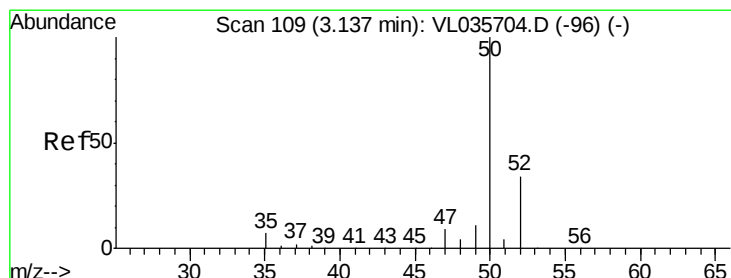
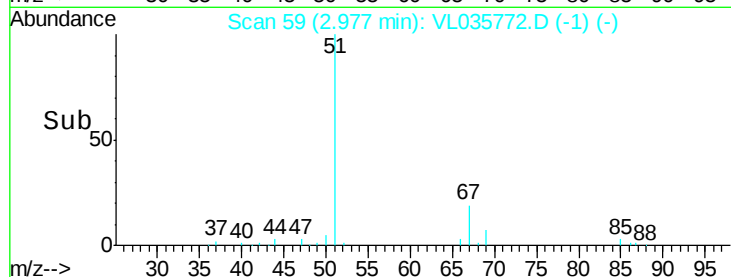
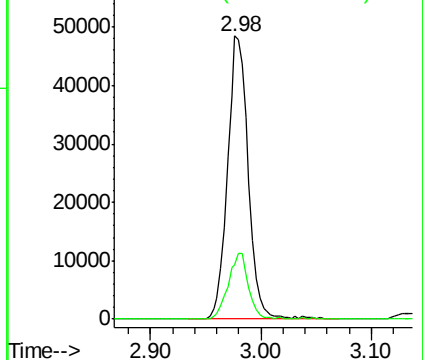
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Abundance Ion 51.00 (50.70 to 51.70): VL0

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

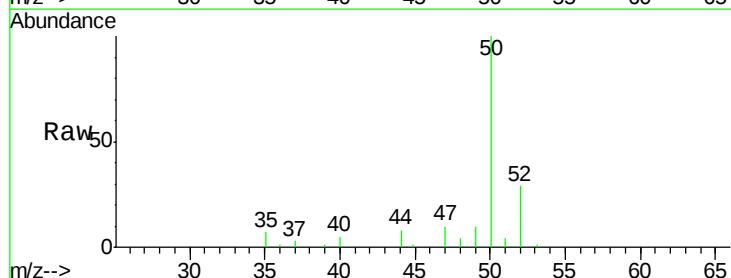
Acq: 12 Oct 2020 21:47

Tgt Ion: 50 Resp: 34484

Ion Ratio Lower Upper

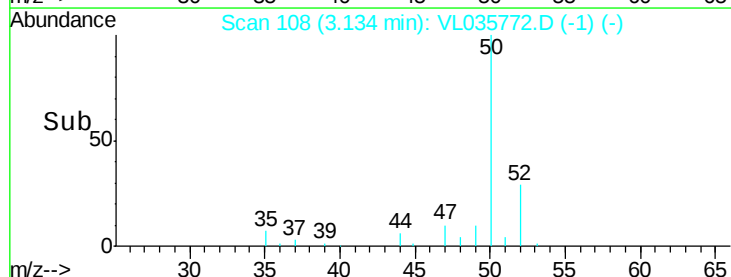
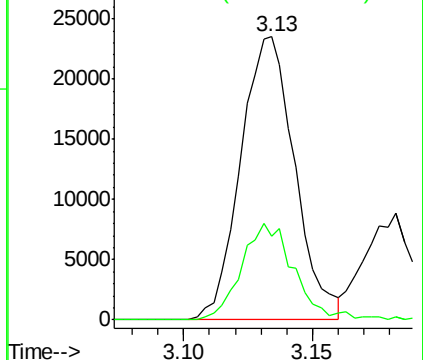
50 100

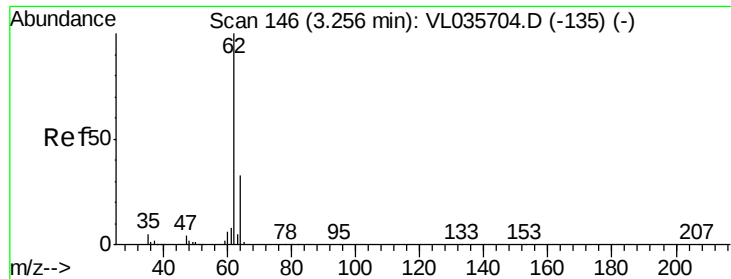
52 29.5 26.8 40.2



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

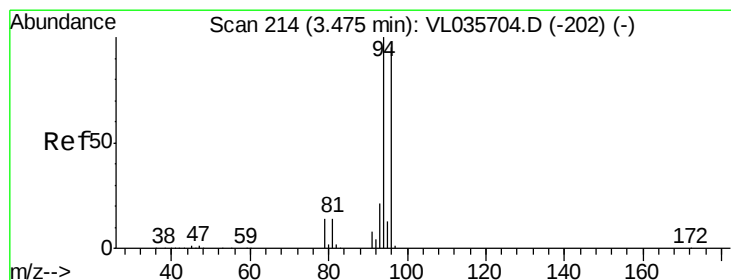
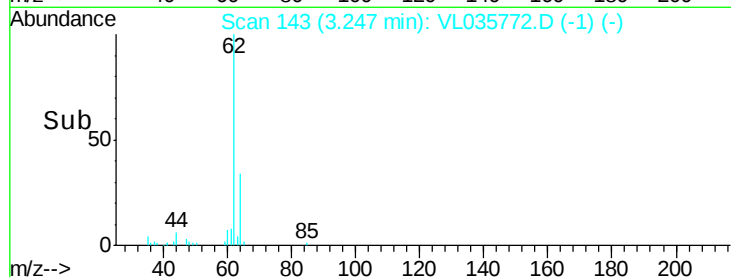
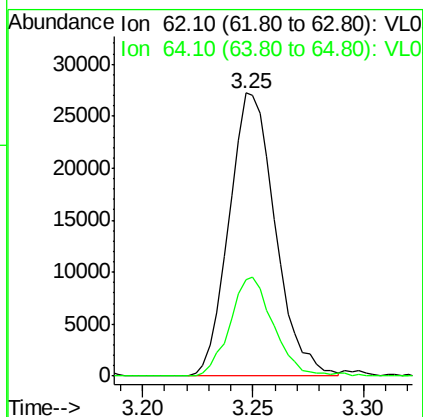
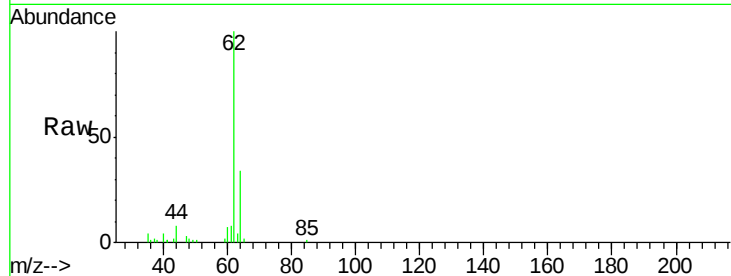
64 34.1 26.8 40.2

Manual Integrations

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#6

Bromomethane

Concen: 0.582 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL035772.D

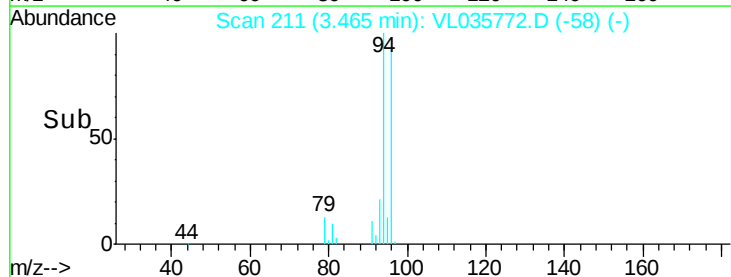
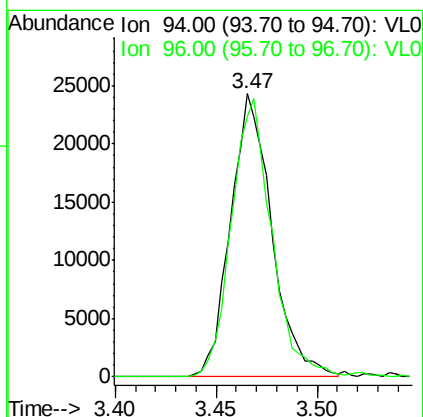
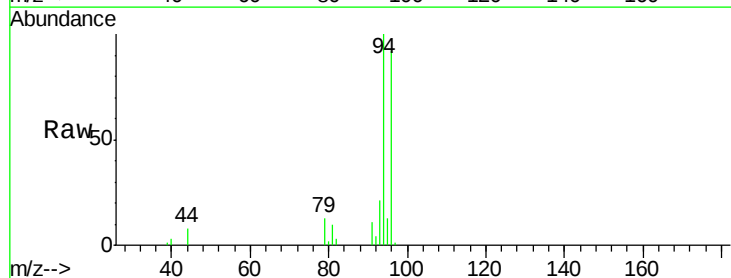
Acq: 12 Oct 2020 21:47

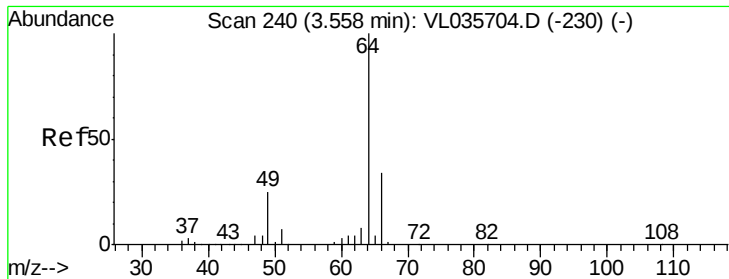
Tgt Ion: 94 Resp: 34977

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

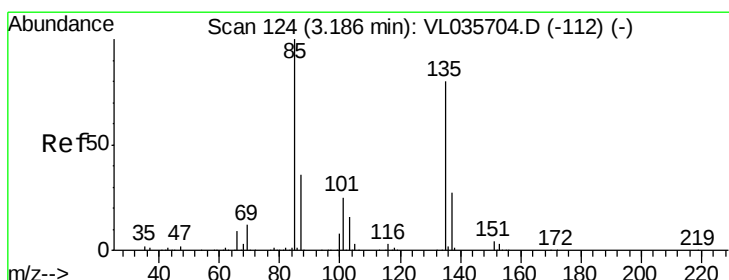
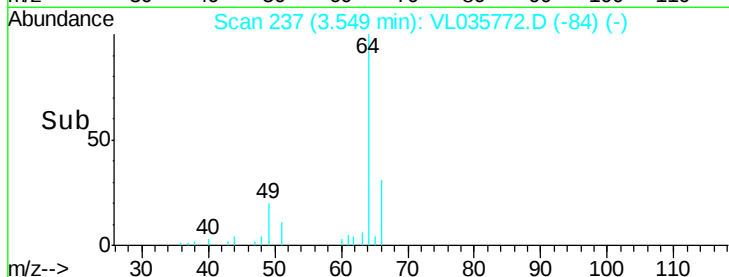
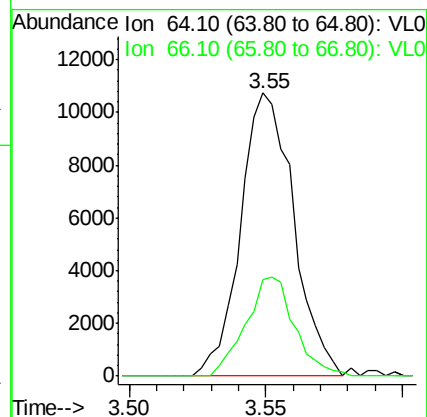
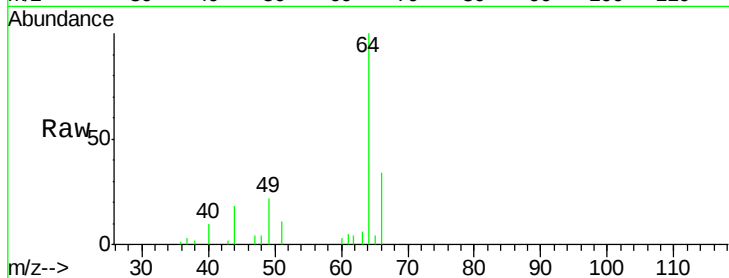
Ion Ratio Lower Upper

64 100

66 34.0 26.9 40.3

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#8

Dichlorotetrafluoroethane

Concen: 0.619 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL035772.D

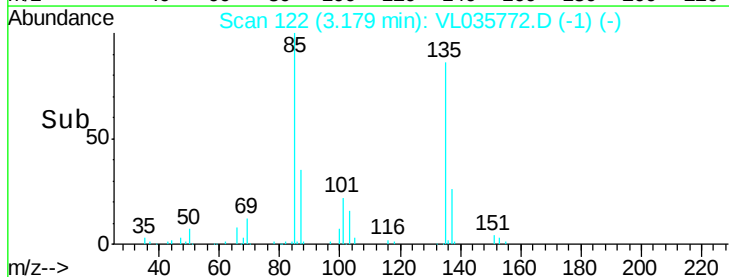
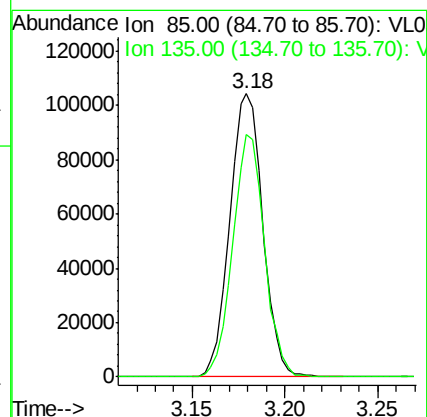
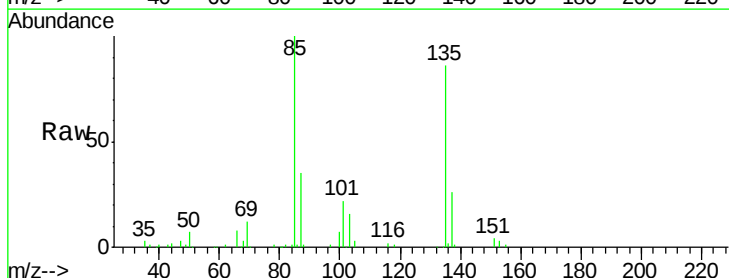
Acq: 12 Oct 2020 21:47

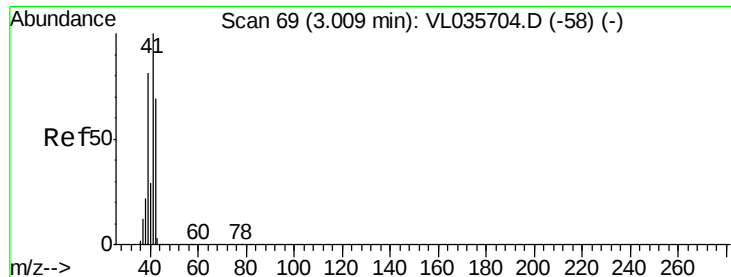
Tgt Ion: 85 Resp: 128163

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 :

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ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion: 41 Resp: 23975

Ion Ratio Lower Upper

41 100

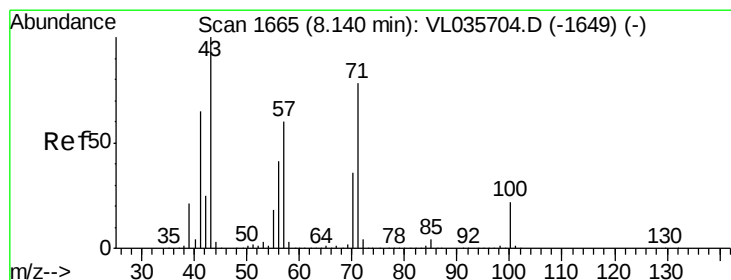
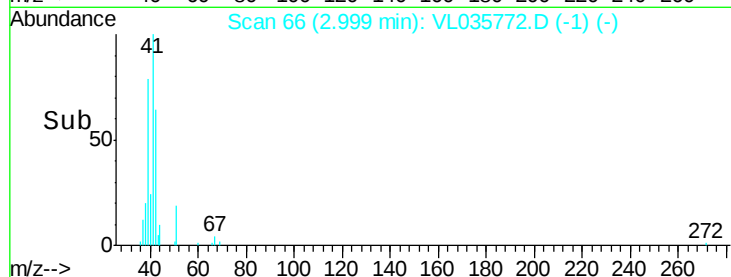
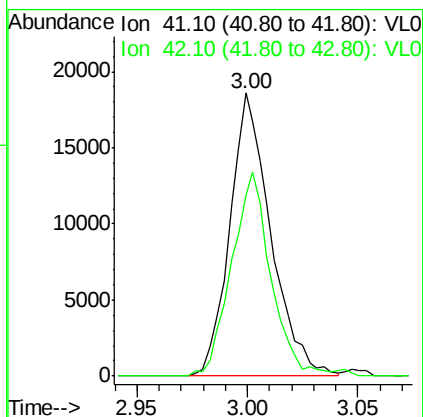
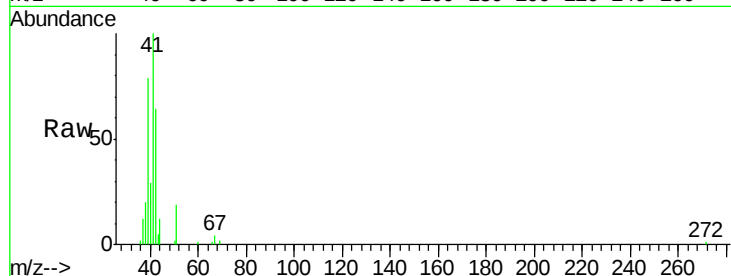
42 69.9 56.2 84.4

Manual Integrations

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#10

Heptane

Concen: 0.509 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL035772.D

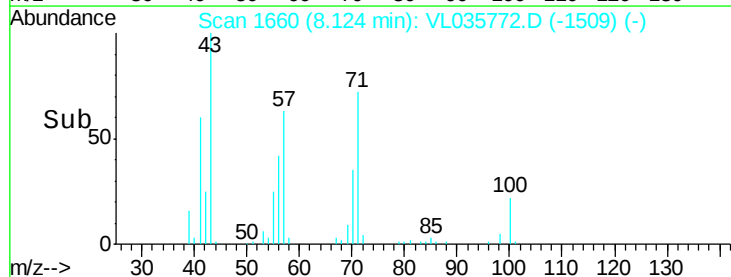
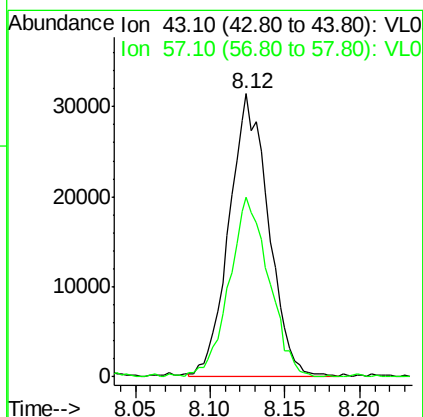
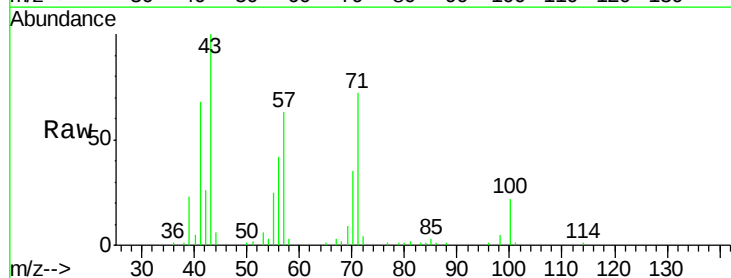
Acq: 12 Oct 2020 21:47

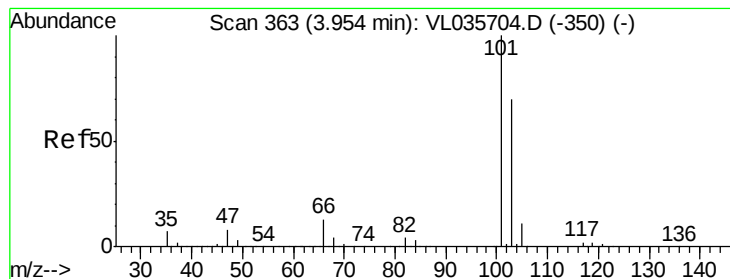
Tgt Ion: 43 Resp: 57621

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

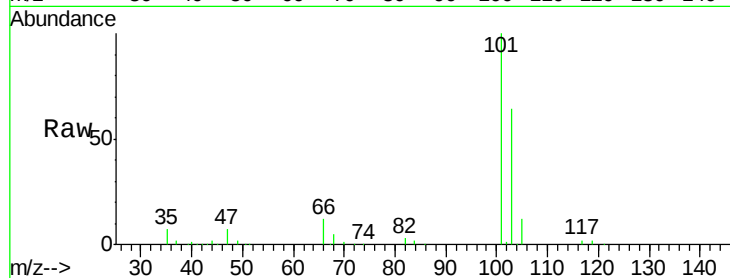
103 63.9 55.6 83.4

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

60000

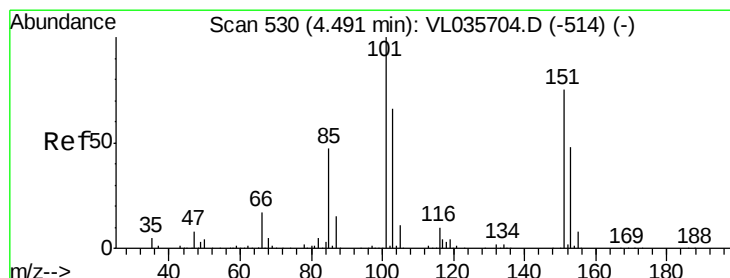
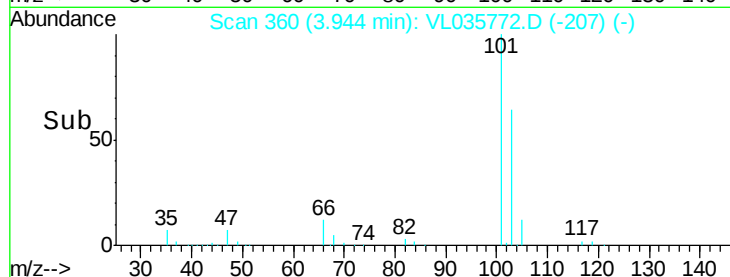
40000

20000

0

3.90 3.95 4.00

Time-->



#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

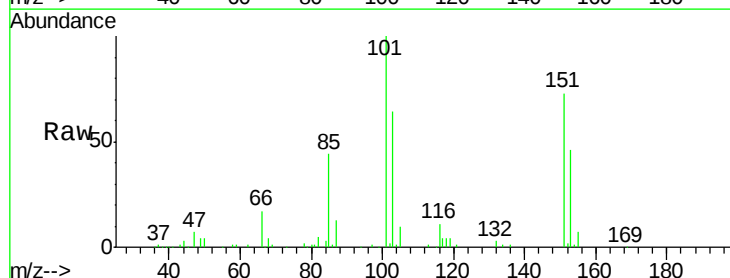
Acq: 12 Oct 2020 21:47

Tgt Ion:101 Resp: 104053

Ion Ratio Lower Upper

101 100

151 72.4 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

60000

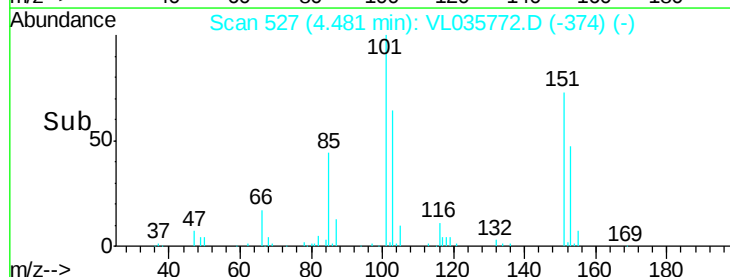
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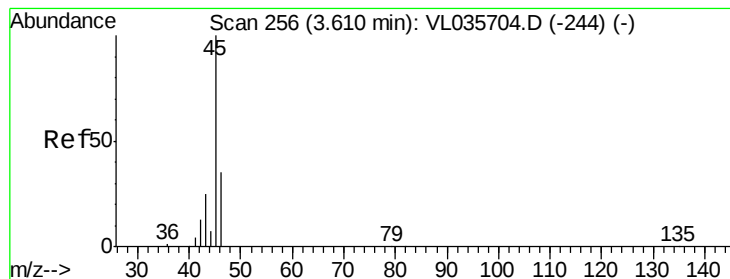
20000

0

4.40 4.45 4.50 4.55

Time-->





#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

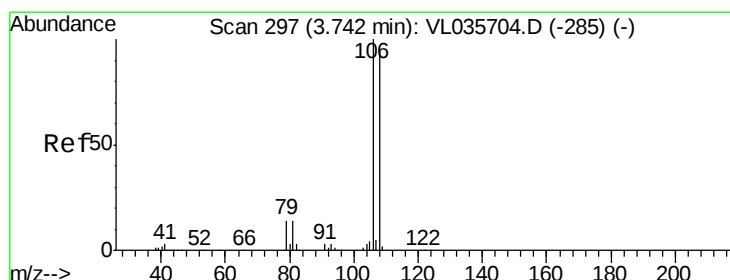
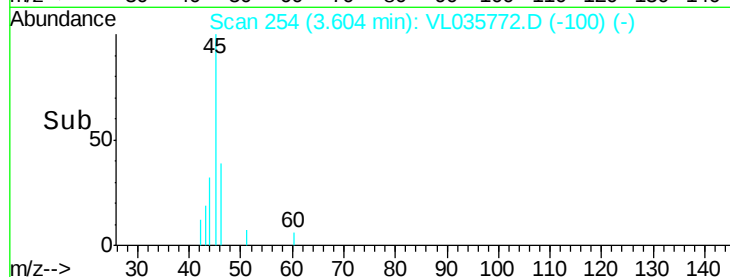
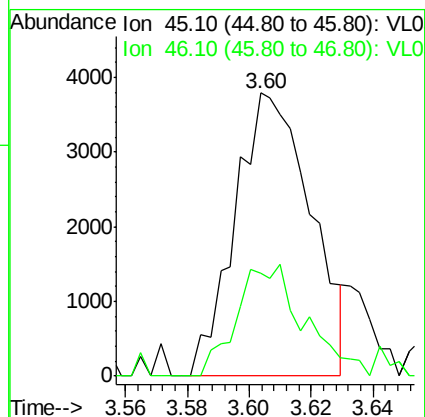
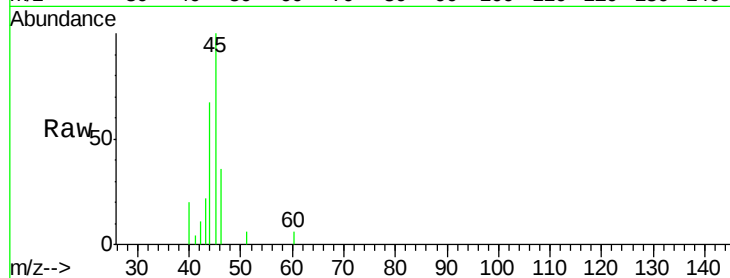
46 37.1 14.7 58.7

Manual Integrations

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#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

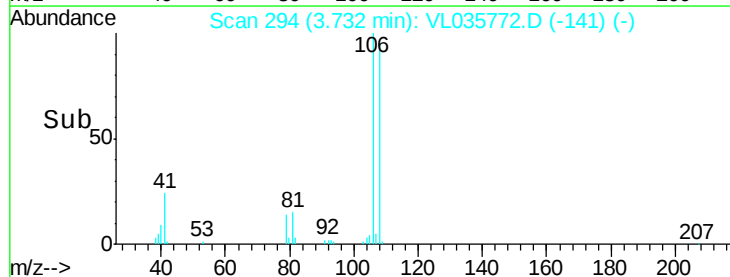
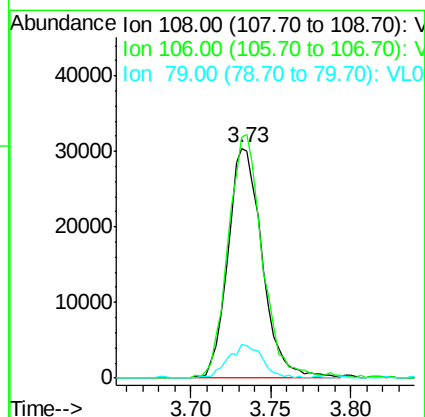
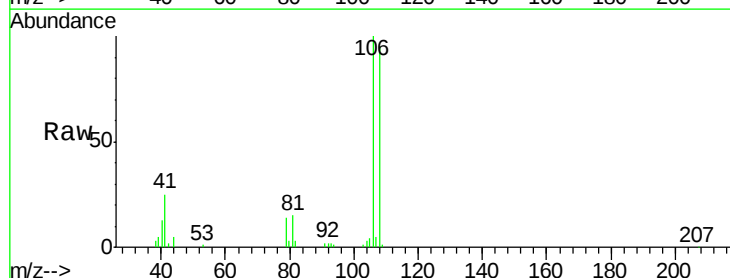
Tgt Ion: 108 Resp: 44522

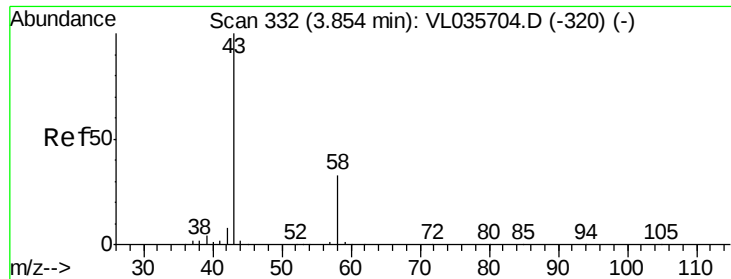
Ion Ratio Lower Upper

108 100

106 106.2 84.6 126.8

79 14.8 11.6 17.4





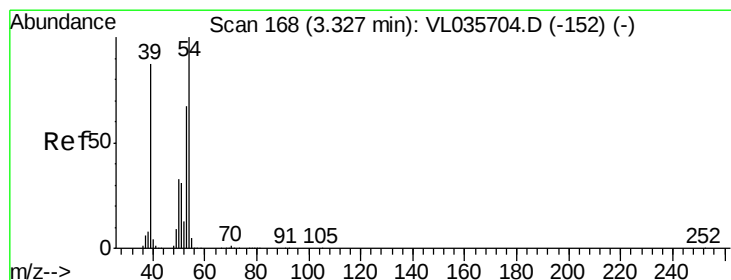
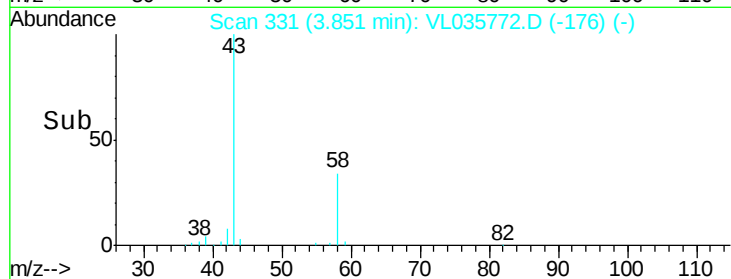
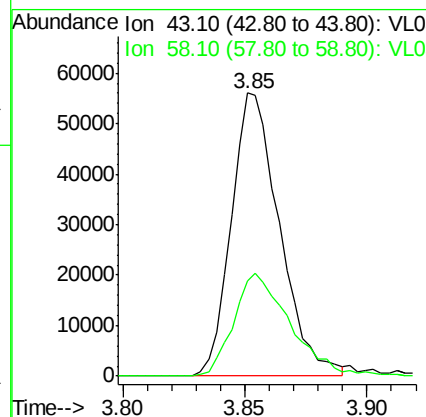
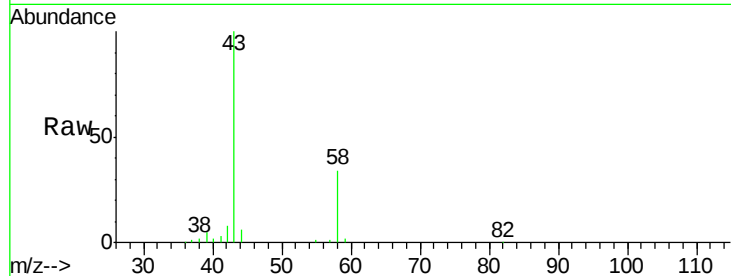
#15
Acetone
Concen: 0.682 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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#

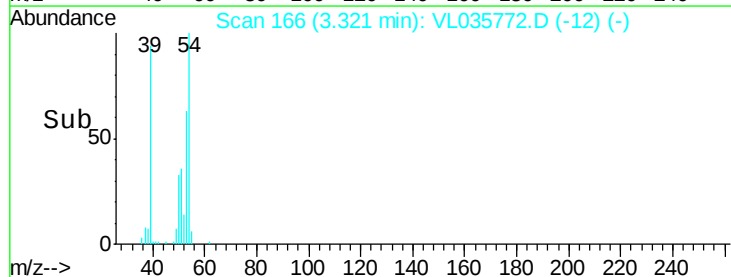
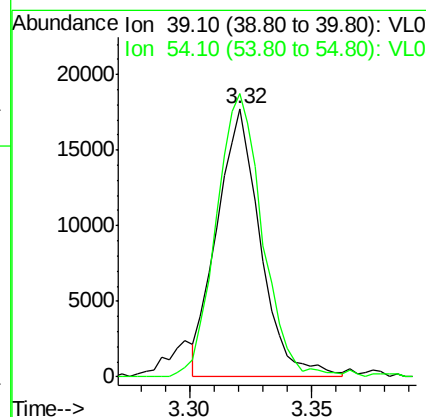
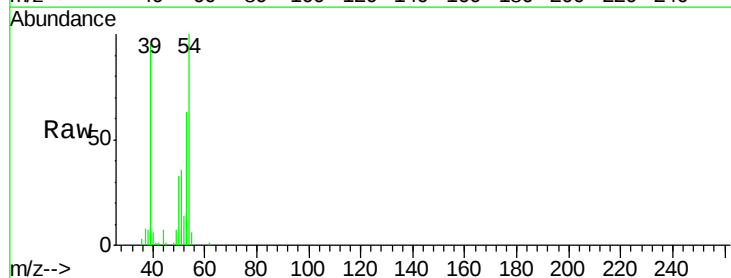
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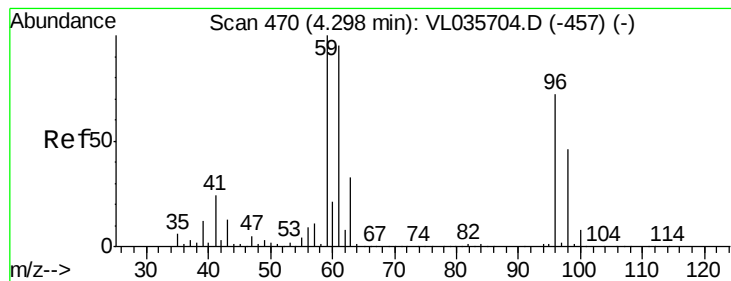
MMDadoda
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#16
1,3-Butadiene
Concen: 0.538 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion: 39 Resp: 22028
Ion Ratio Lower Upper
39 100
54 113.5 87.4 131.0





#17

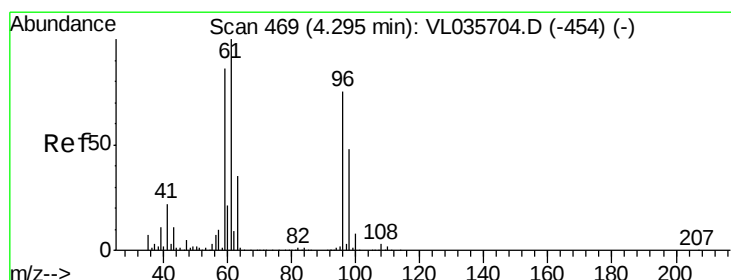
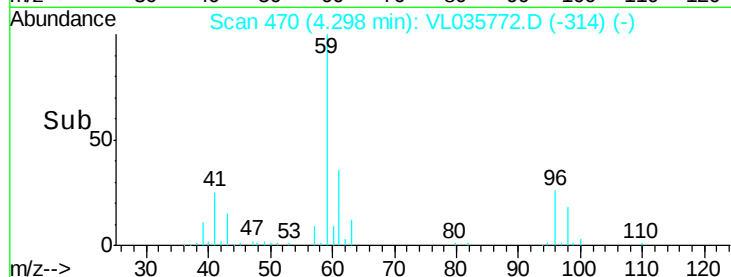
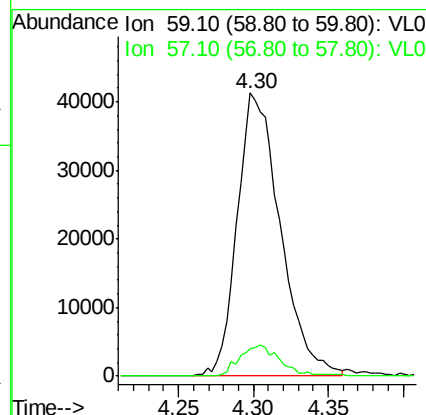
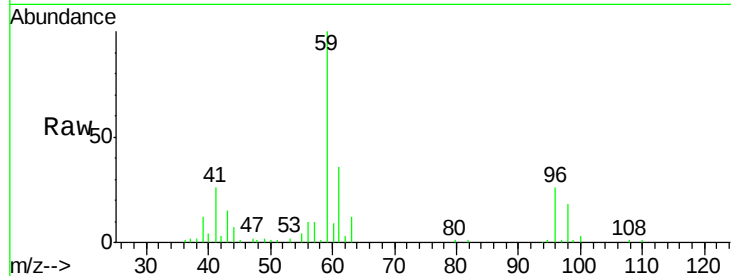
tert-Butyl alcohol
 Concen: 0.680 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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

Tot Ion	59	Resp	82866
Ion Ratio	100	Lower	Upper
57	10.5	8.5	12.7

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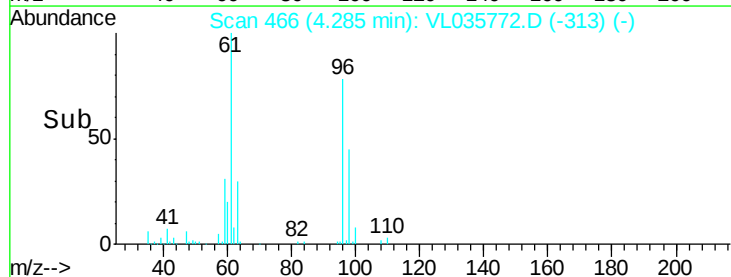
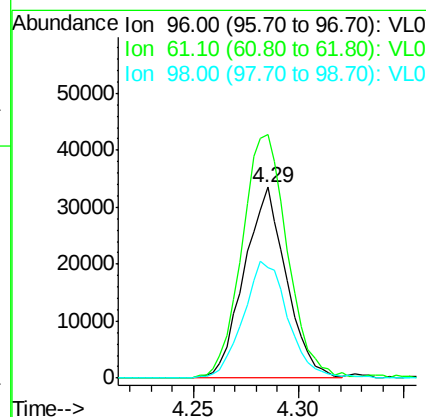
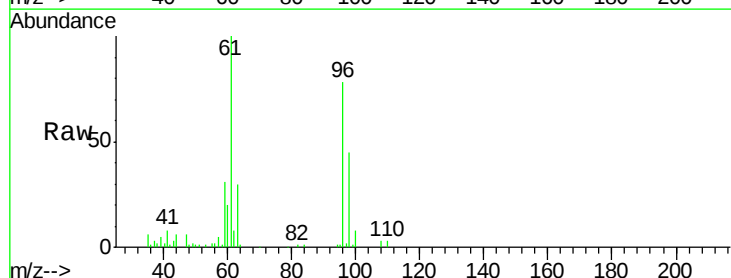
MMDadoda
 10/14/2020 2:11:56 PM

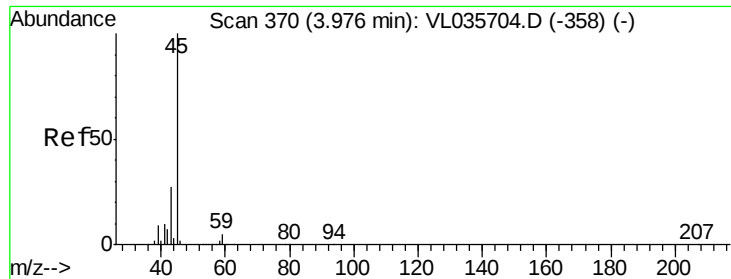


#18

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	100	Lower	Upper
61	127.7	106.7	160.1
98	57.4	50.8	76.2





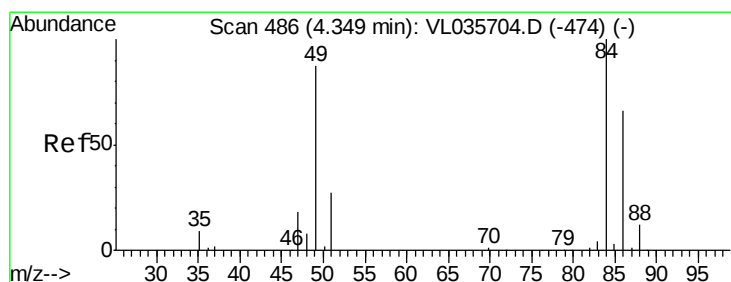
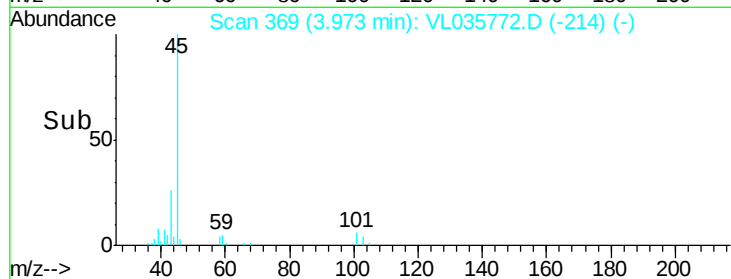
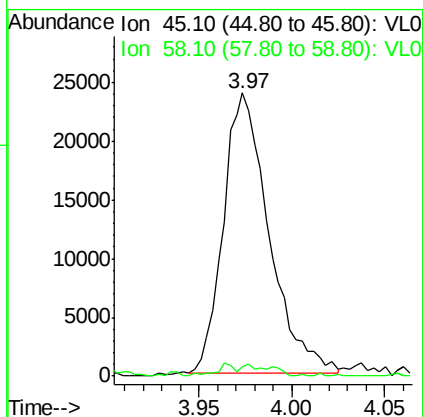
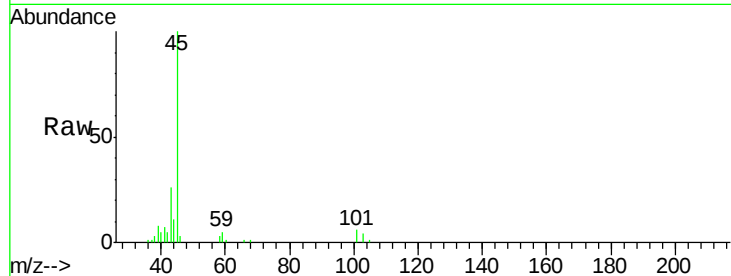
#19
Isopropyl Alcohol
Concen: 0.668 ppbv
RT: 3.97 min Scan# 369
Delta R.T. -0.00 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

Tot Ion	Ratio	Lower	Upper
45	100		
58	5.0	2.8	4.2#

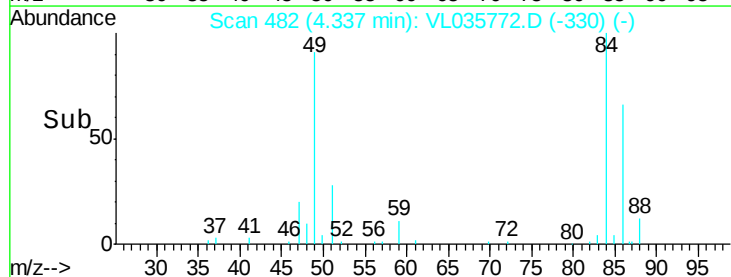
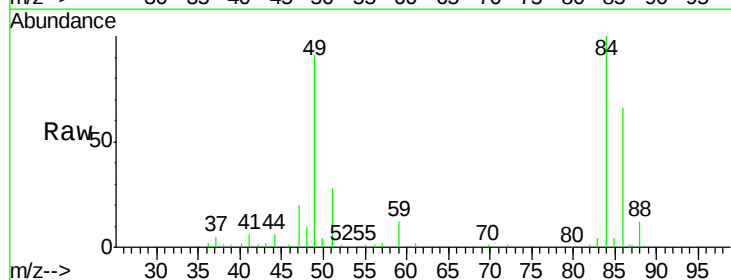
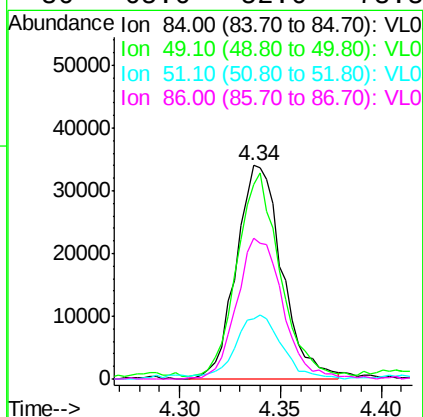
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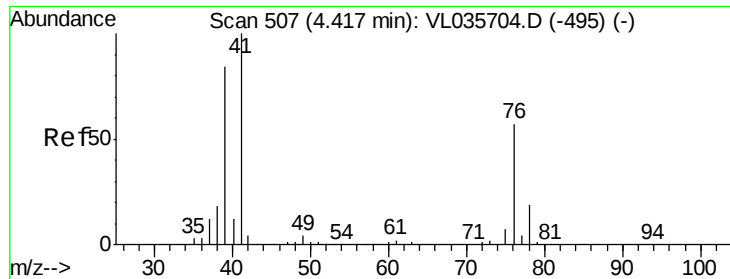
MMDadoda
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#20
Methylene Chloride
Concen: 0.659 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion	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





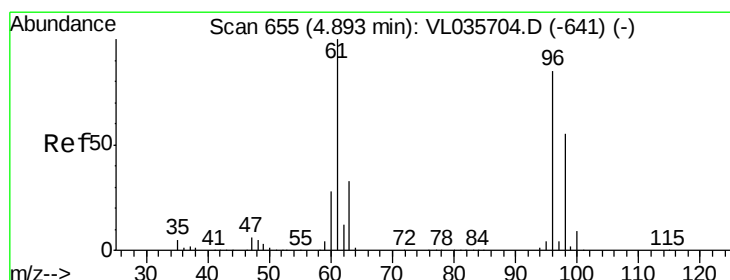
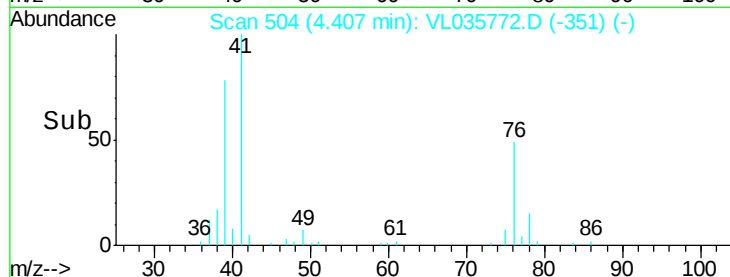
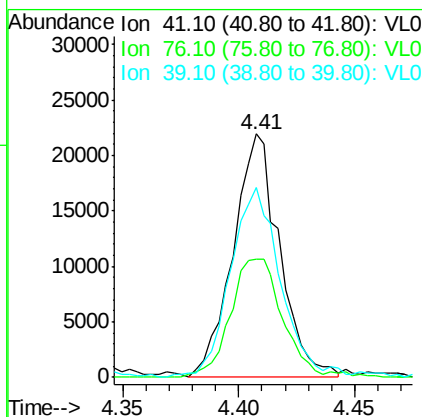
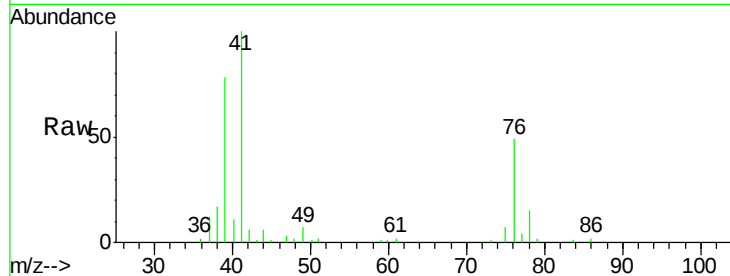
#21
Allvl Chloride
Concen: 0.561 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

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

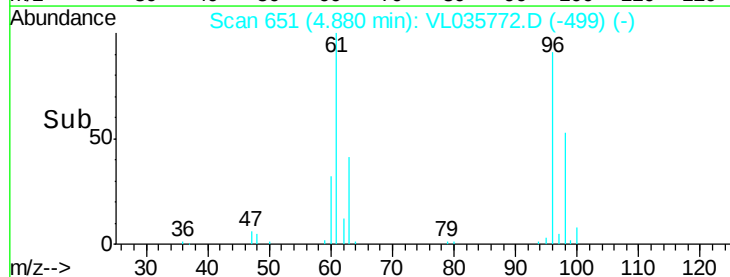
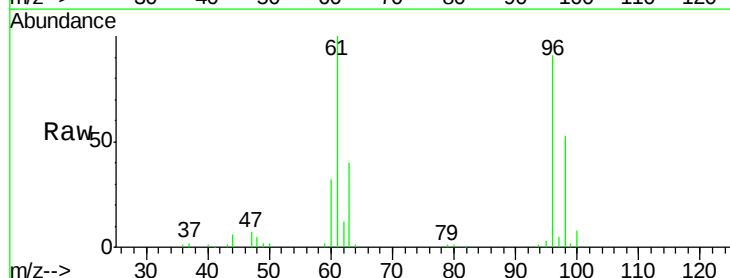
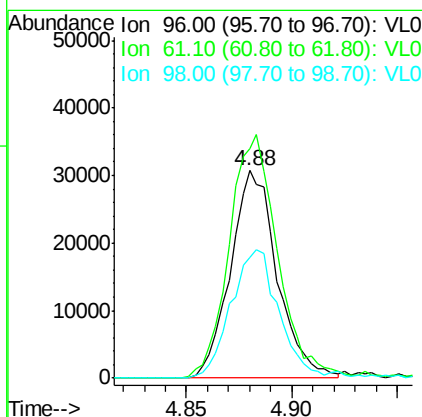
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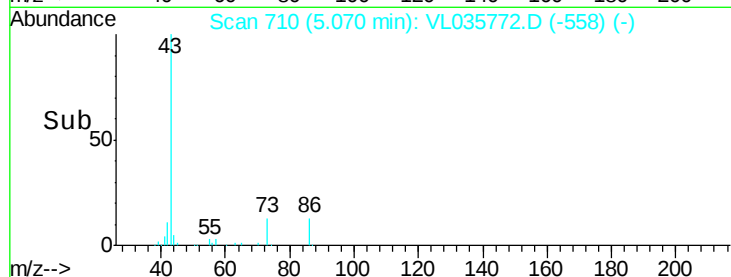
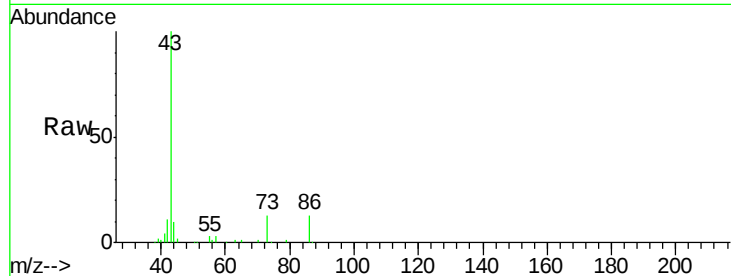
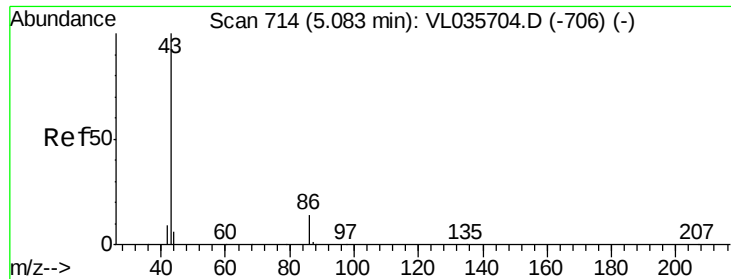
MMDadoda
10/14/2020 2:11:56 PM



#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	Ratio	Lower	Upper
96	100		
61	109.4	93.7	140.5
98	58.0	51.2	76.8





#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

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

Instrument :

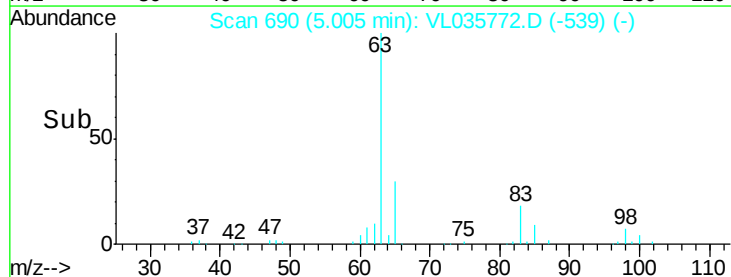
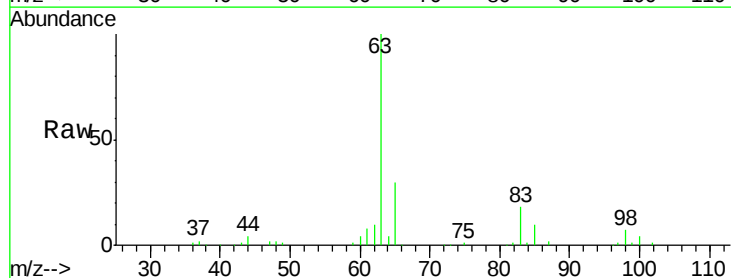
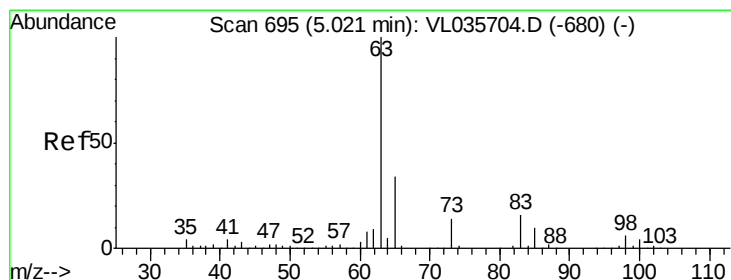
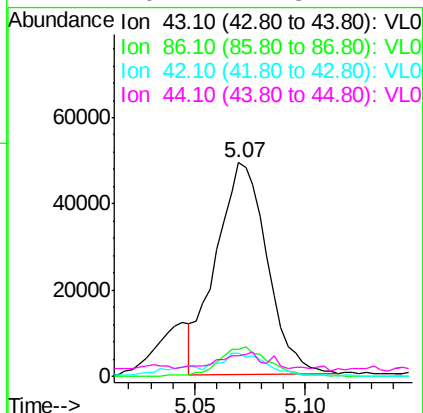
MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.577 ppbv

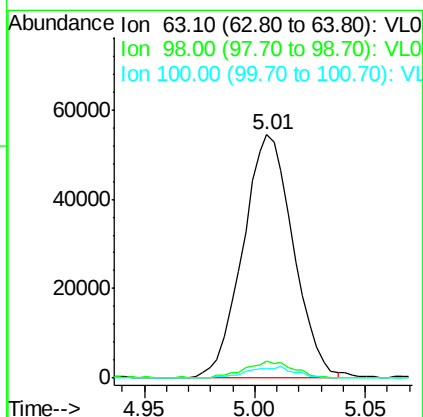
RT: 5.01 min Scan# 690

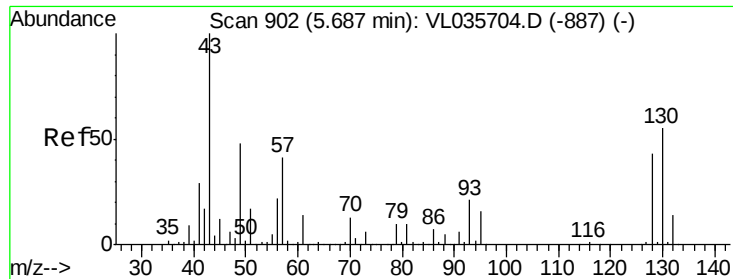
Delta R.T. -0.02 min

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





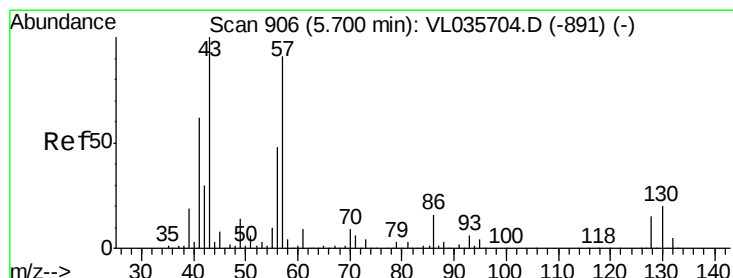
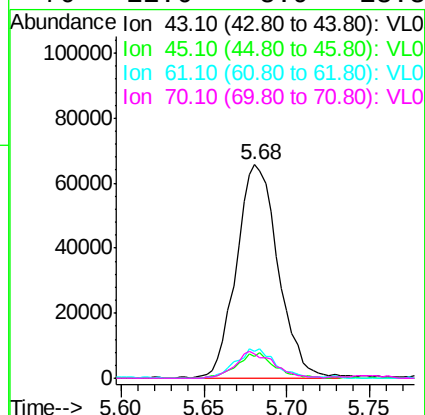
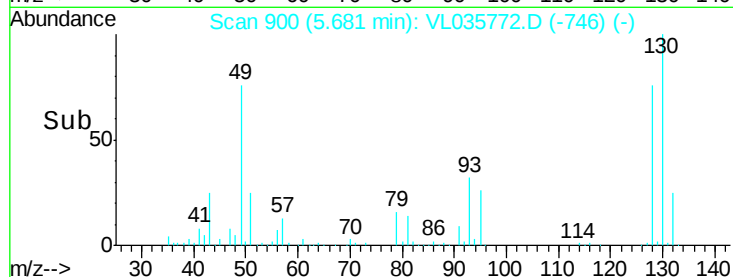
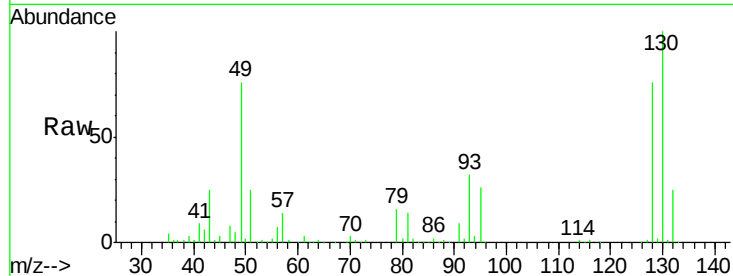
#25
Ethyl Acetate
Concen: 0.571 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

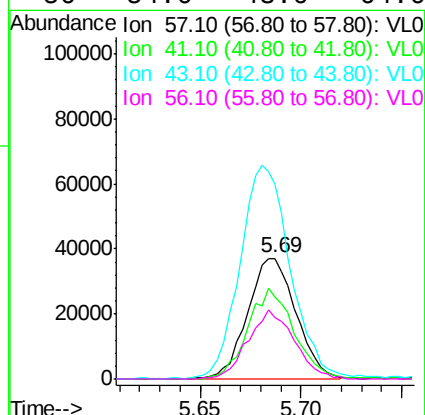
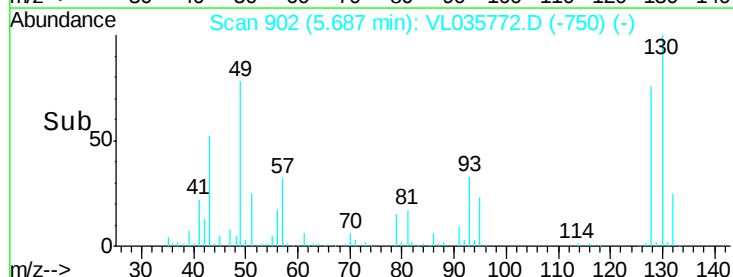
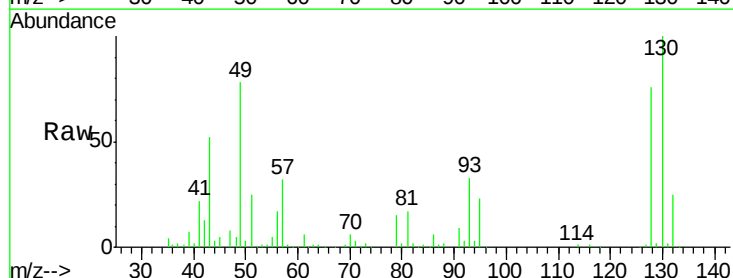
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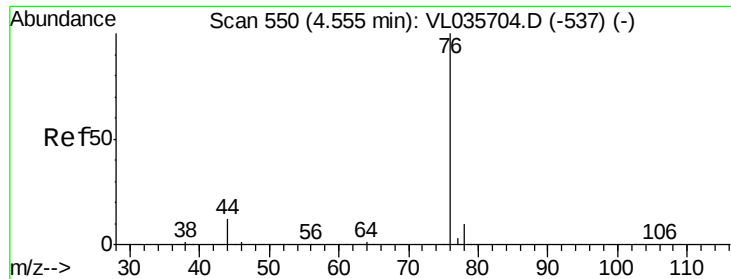
MMDadoda
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#26
Hexane
Concen: 0.564 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

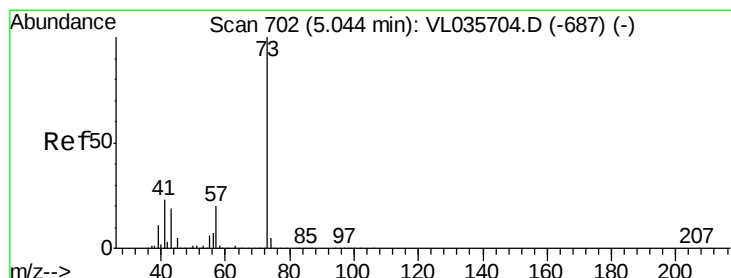
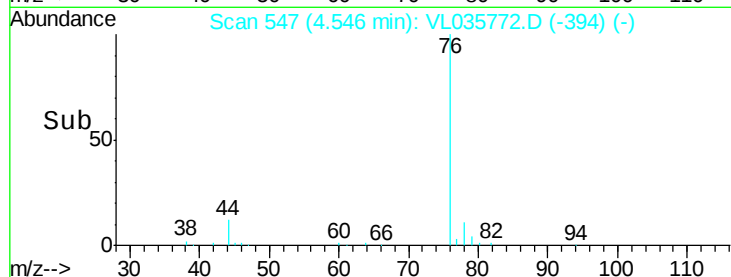
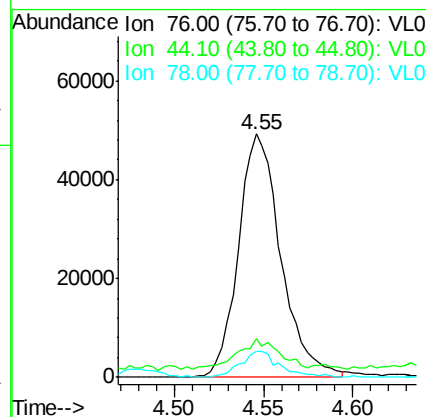
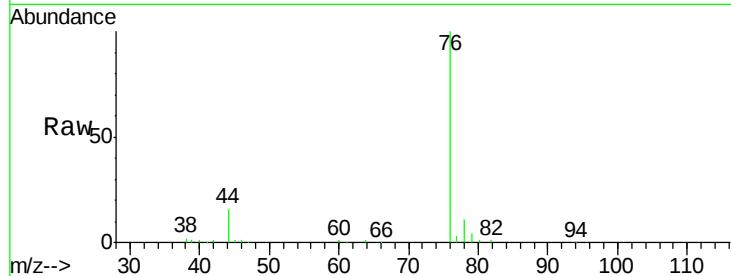
ClientSampleId :

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

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#28

Methyl tert-Butyl Ether

Concen: 0.640 ppbv

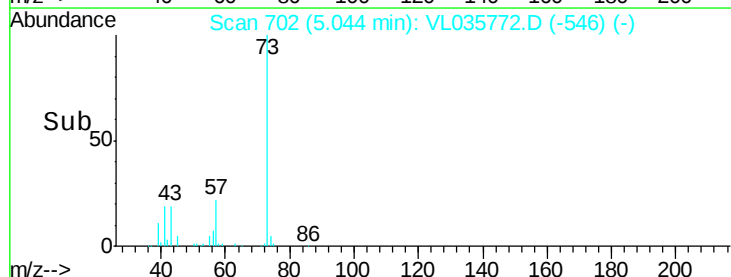
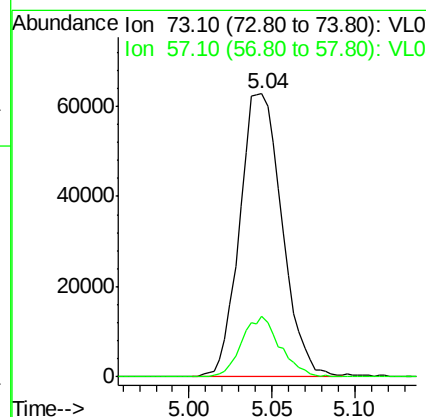
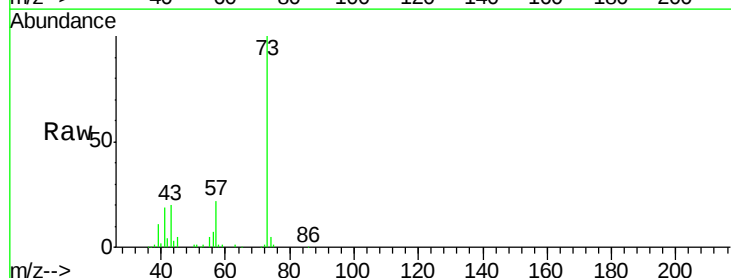
RT: 5.04 min Scan# 702

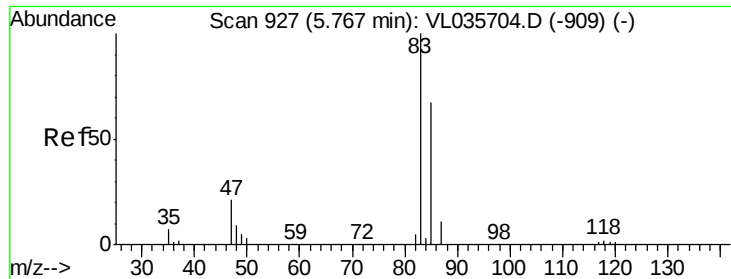
Delta R.T. 0.00 min

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





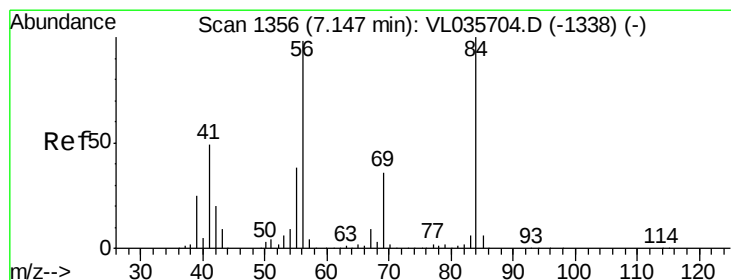
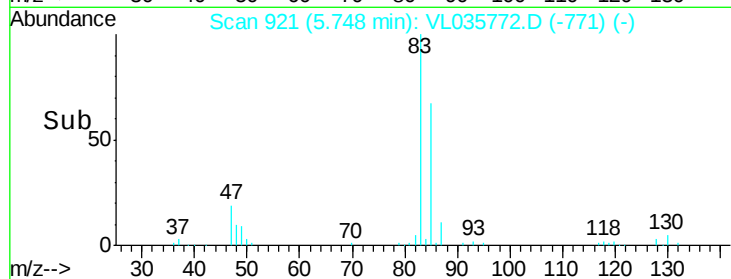
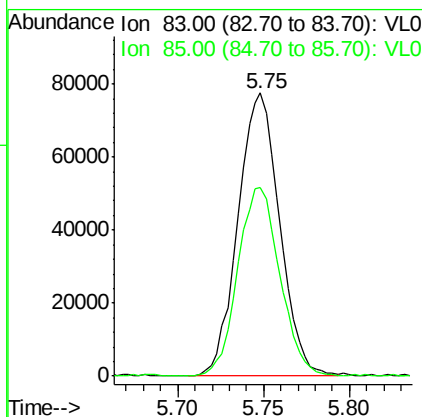
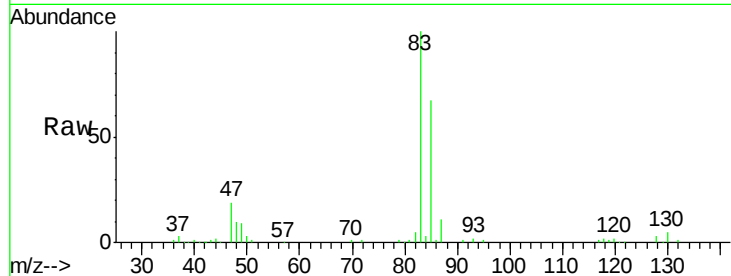
#29
Chloroform
Concen: 0.584 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

Tot Ion	83	Resp	130822
Ion Ratio	100	Lower	Upper
85	66.3	54.0	81.0

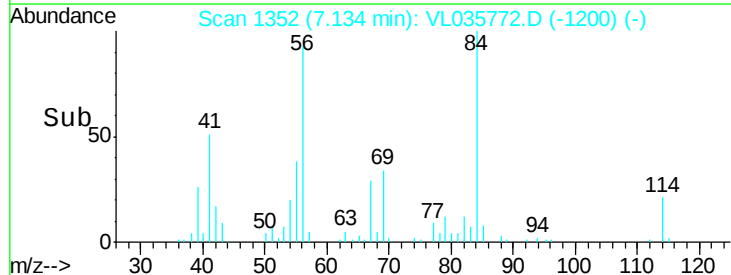
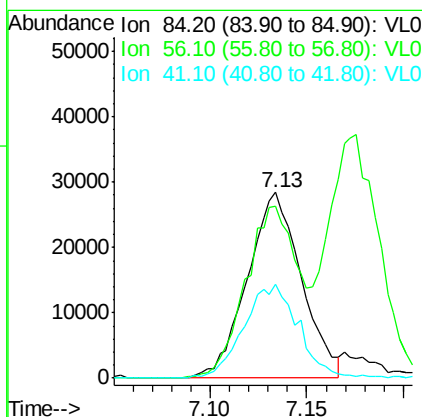
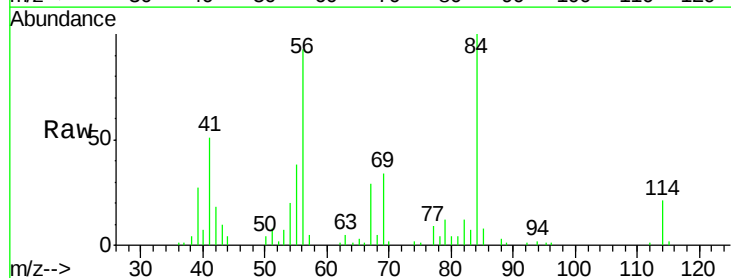
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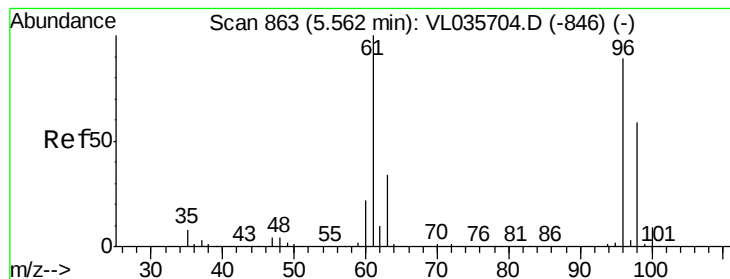
MMDadoda
10/14/2020 2:11:56 PM



#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	100	Lower	Upper
56	88.1	84.6	127.0
41	51.8	41.1	61.7





#31

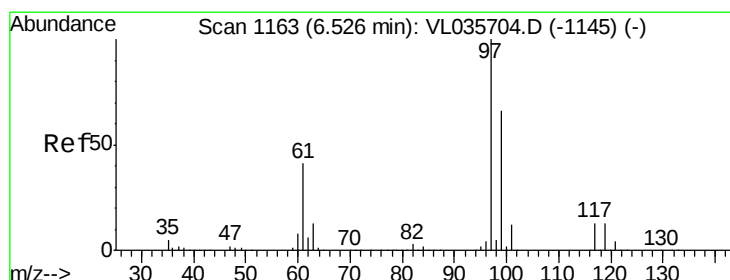
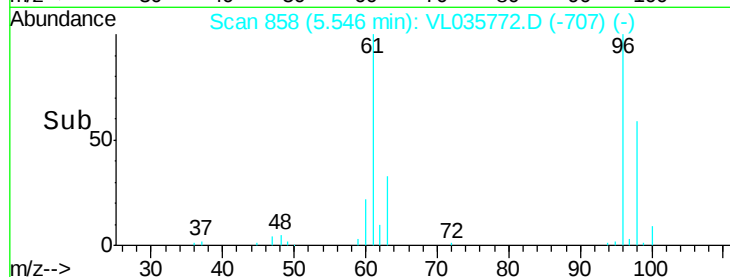
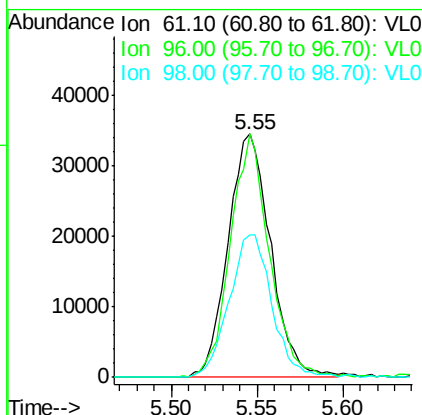
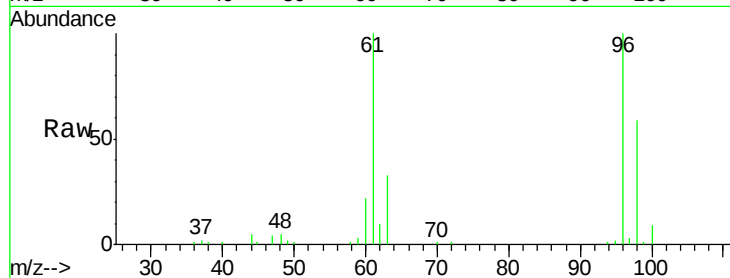
cis-1,2-Dichloroethene
 Concen: 0.560 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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

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

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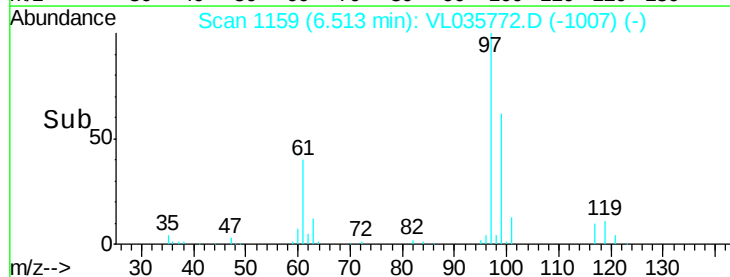
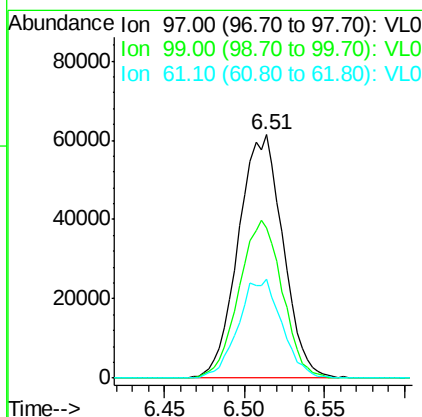
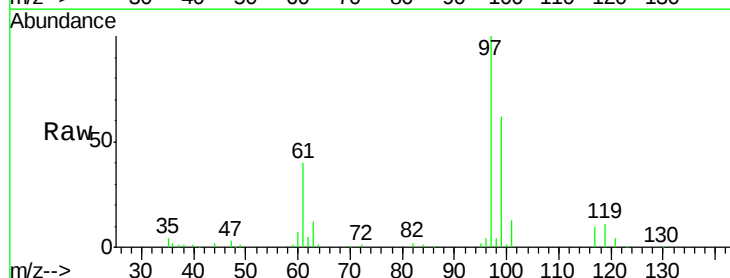
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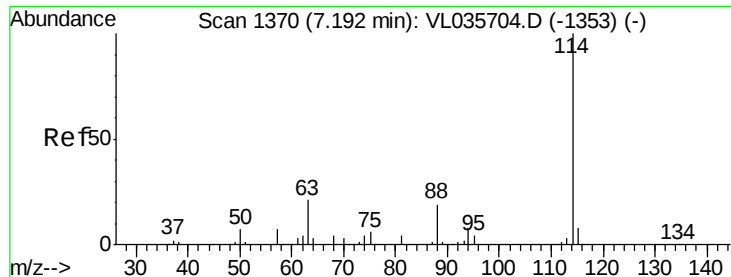


#32

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	Ratio	Lower	Upper
97	100		
99	63.1	52.7	79.1
61	39.5	32.7	49.1





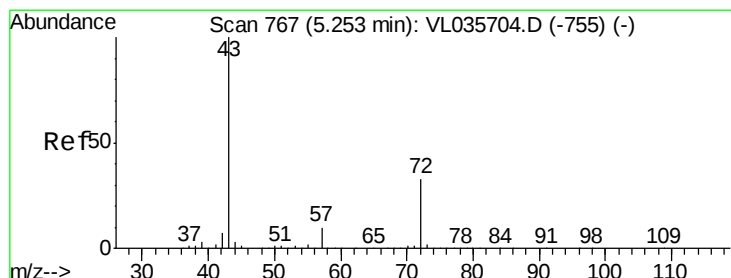
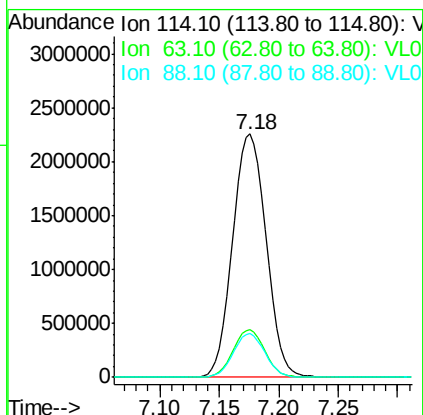
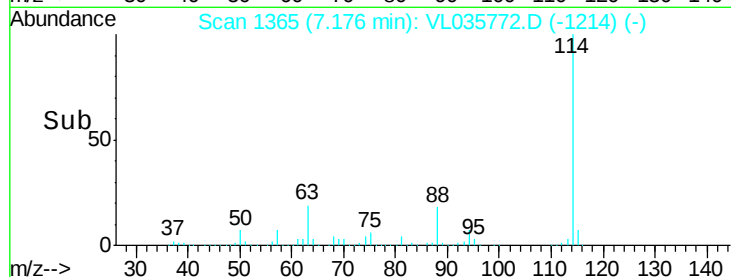
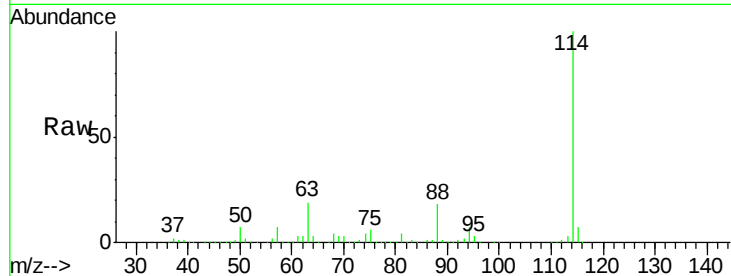
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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

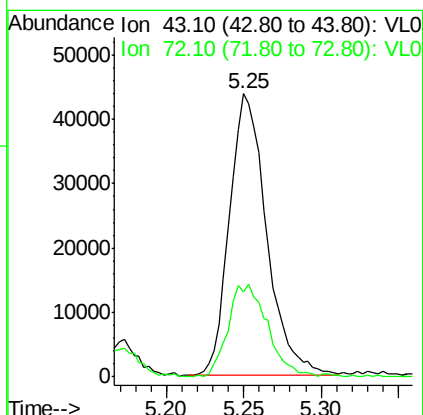
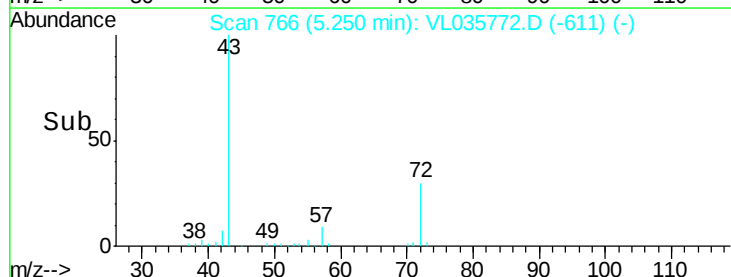
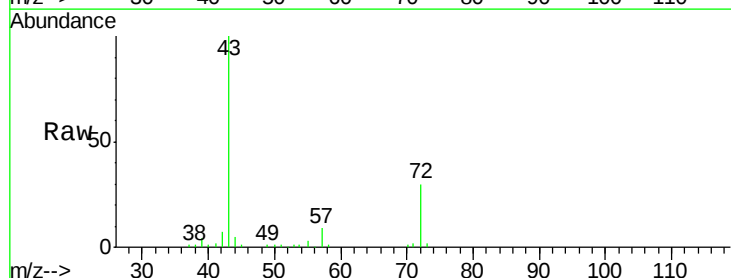
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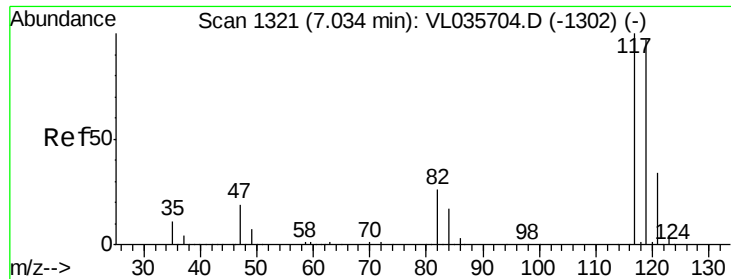
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#34
 2-Butanone
 Concen: 0.501 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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





#35

Carbon Tetrachloride

Concen: 0.482 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035772.D

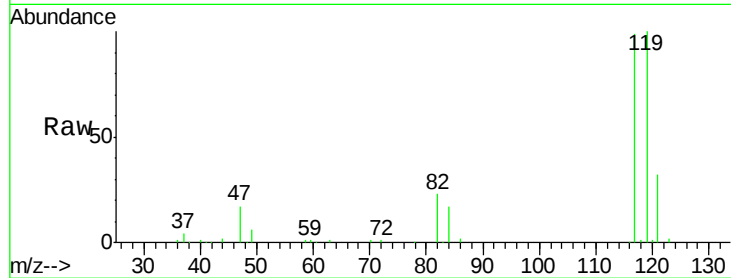
Acq: 12 Oct 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

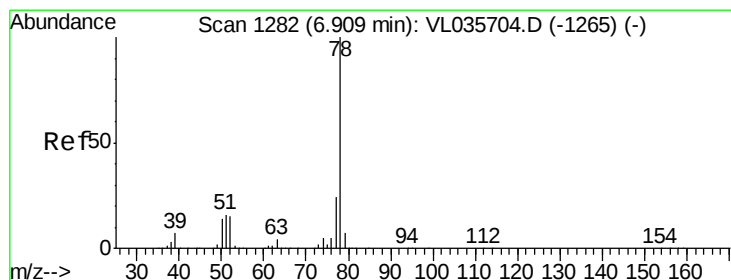
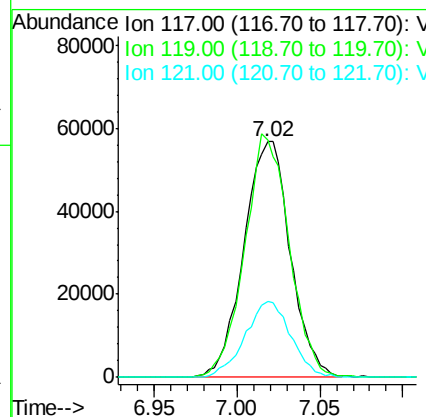
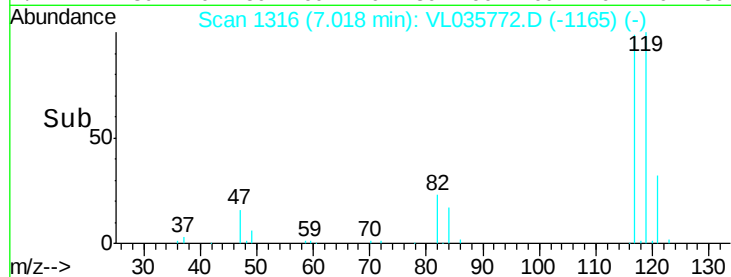
LOQ-AIR-01-QT4-2020



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

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#36

Benzene

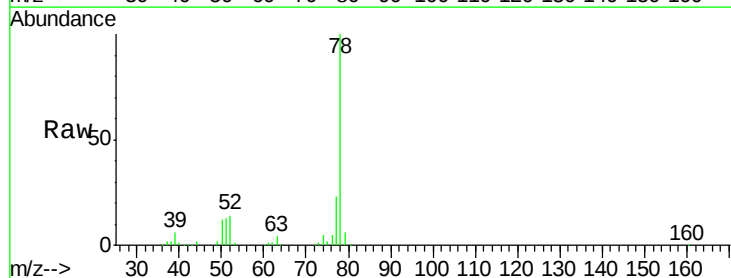
Concen: 0.534 ppbv

RT: 6.89 min Scan# 1276

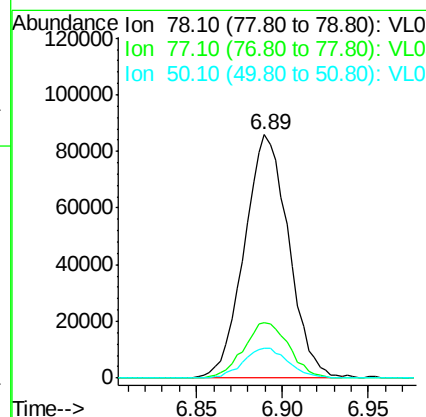
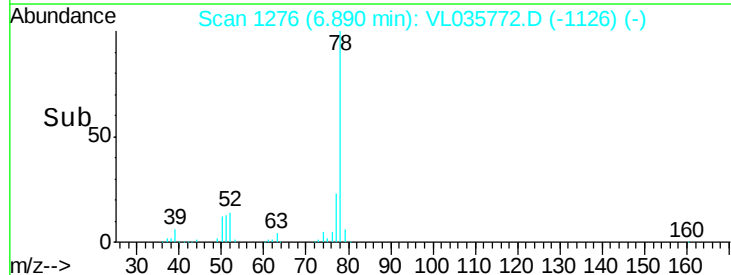
Delta R.T. -0.02 min

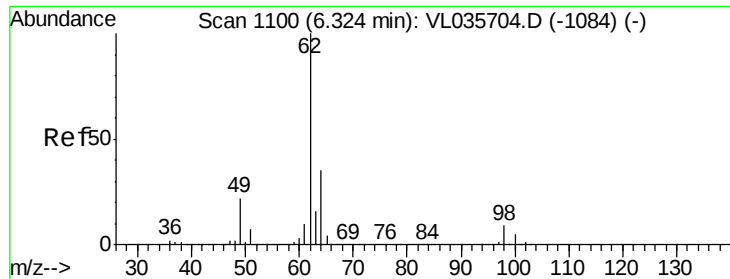
Lab File: VL035772.D

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





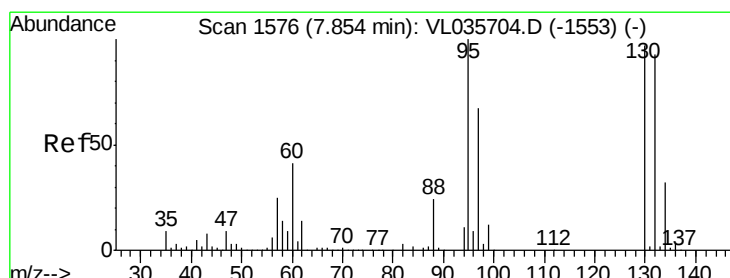
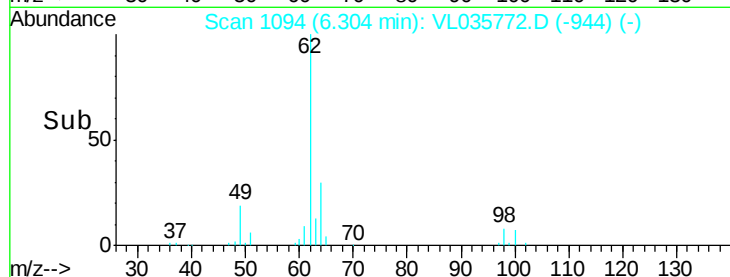
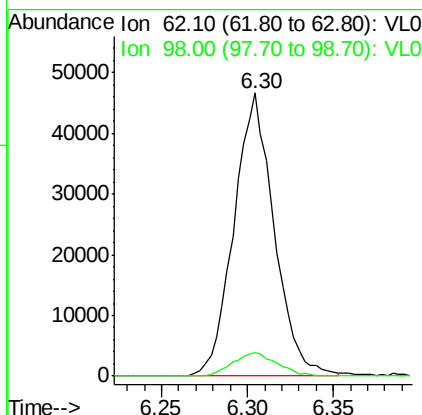
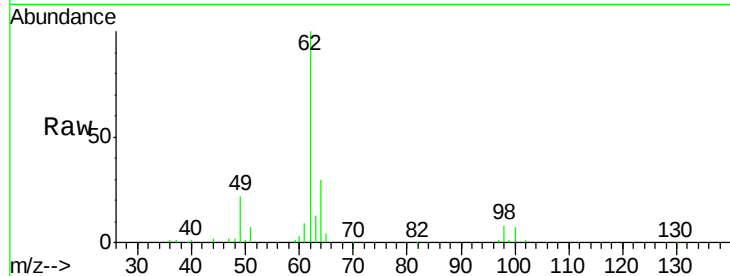
#37
1,2-Dichloroethane
Concen: 0.505 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

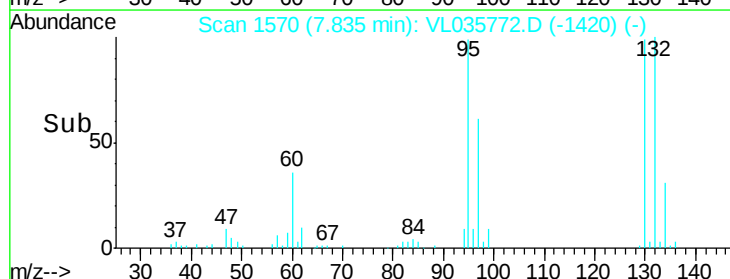
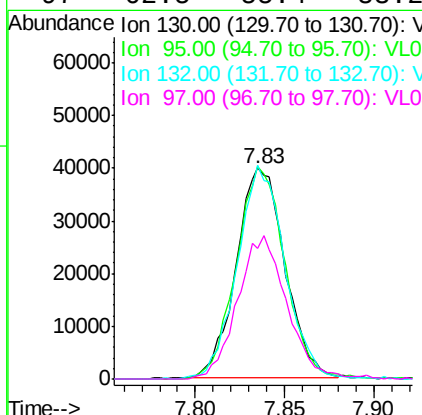
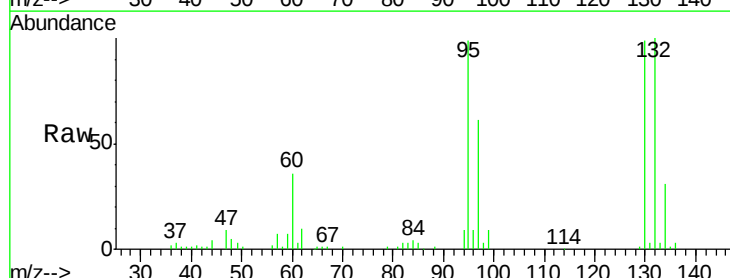
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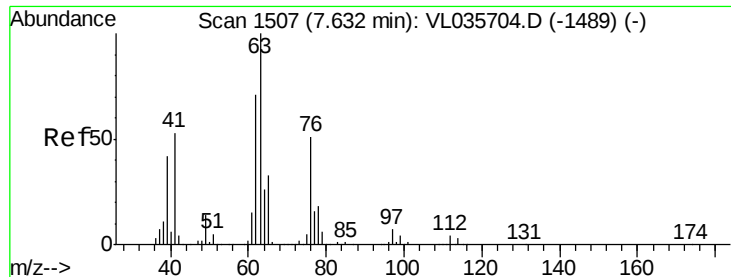
MMDadoda
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#38
Trichloroethene
Concen: 0.529 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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





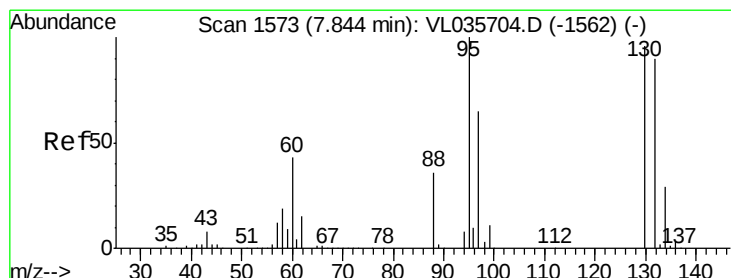
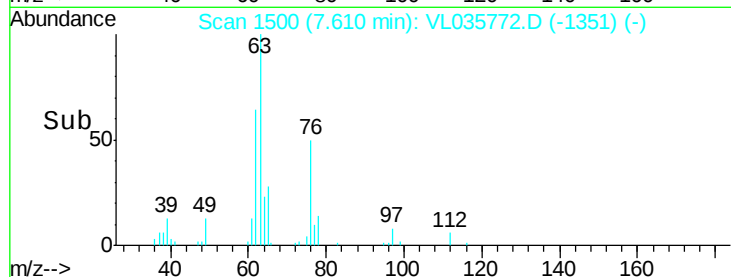
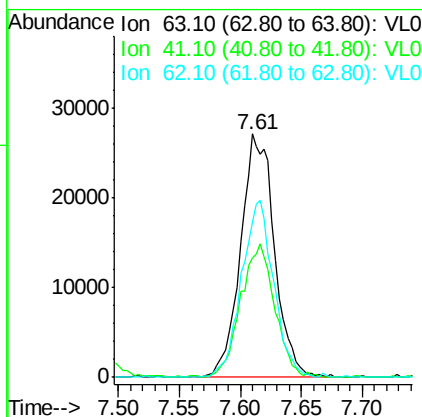
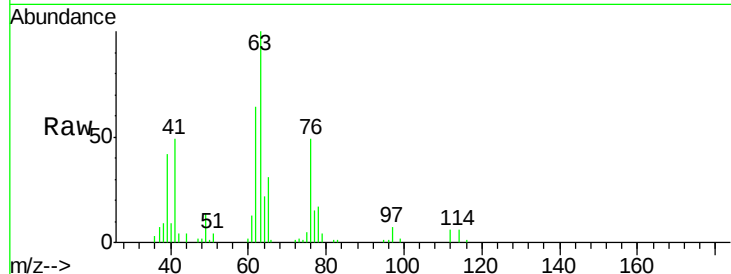
#39
 1,2-Dichloropropane
 Concen: 0.507 ppbv m
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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

Tot Ion	Ratio	Resp	Lower	Upper
63	100	52868		
41	49.1		42.6	63.8
62	63.9		56.5	84.7

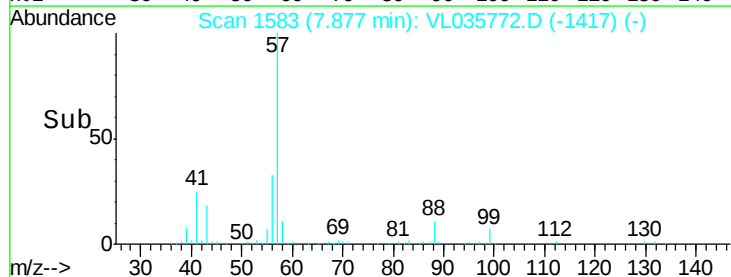
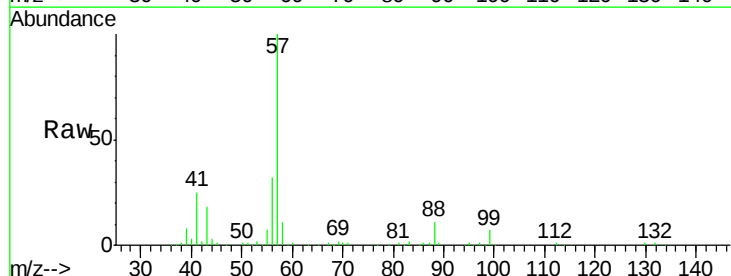
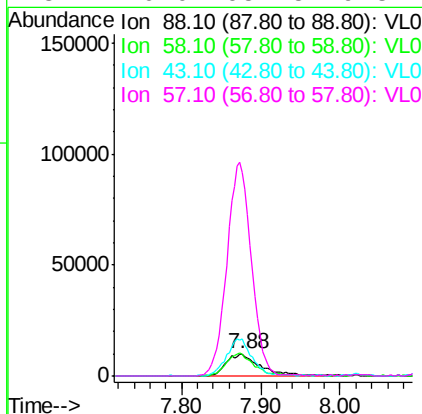
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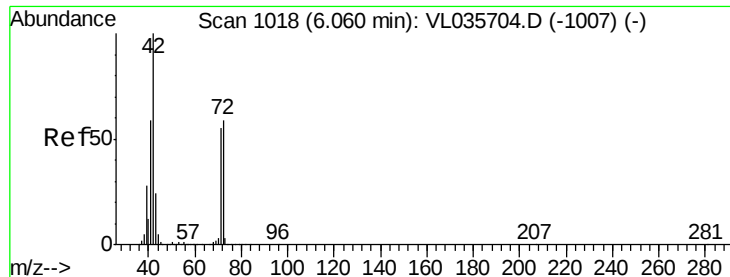
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#40
 1,4-Dioxane
 Concen: 0.632 ppbv m
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.03 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	30157		
58	0.0		76.2	114.4#
43	0.0		123.4	185.2#
57	0.0		652.5	978.7#





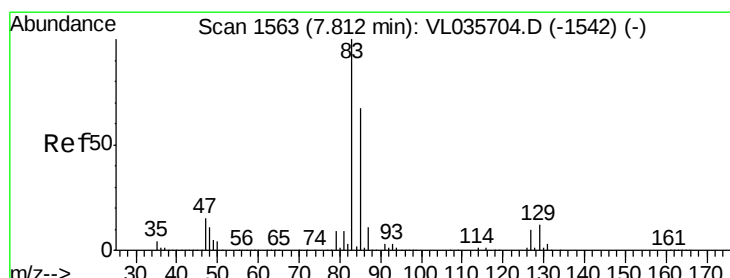
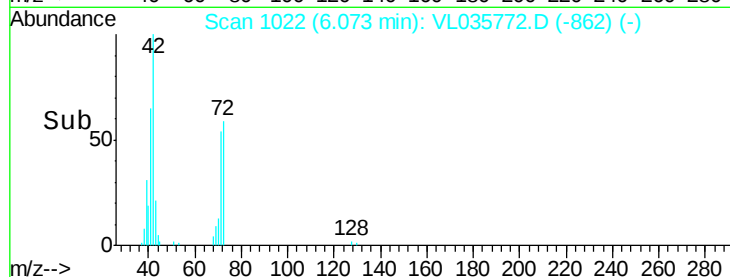
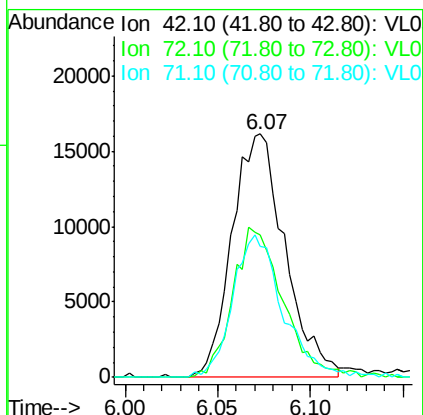
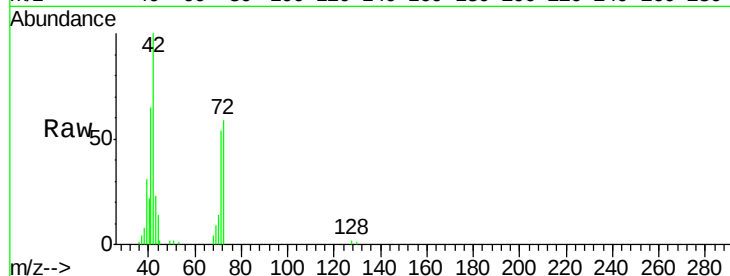
#41
Tetrahydrofuran
Concen: 0.437 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.8	46.2	69.4
71	55.6	44.2	66.4

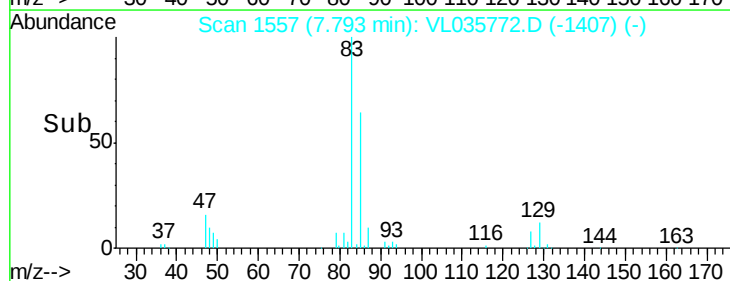
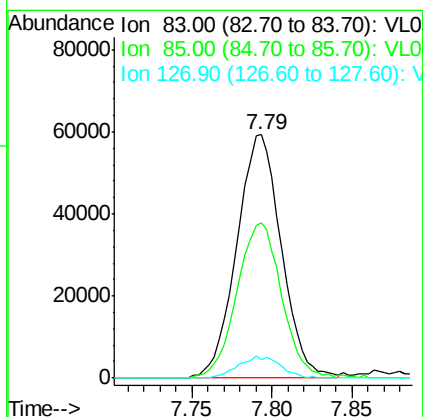
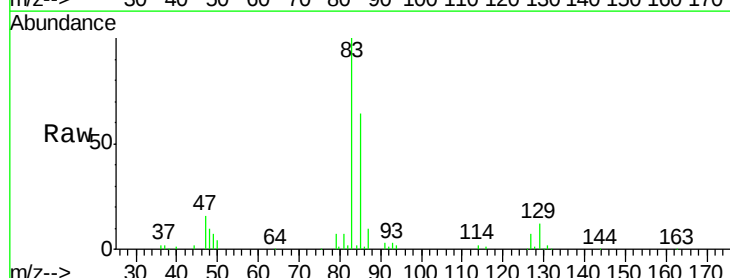
Manual Integrations
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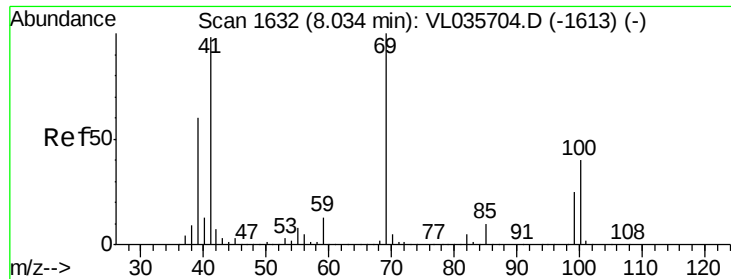
MMDadoda
10/14/2020 2:11:56 PM



#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	Ratio	Lower	Upper
83	100		
85	63.3	53.4	80.0
127	7.5	7.8	11.6#





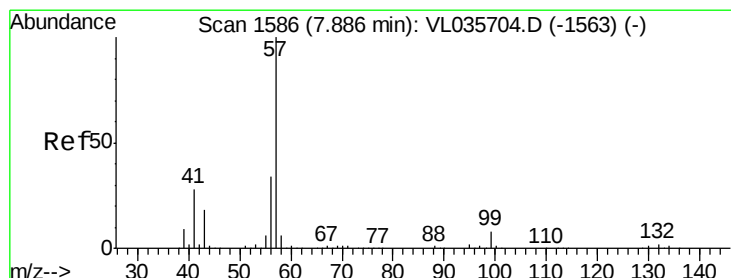
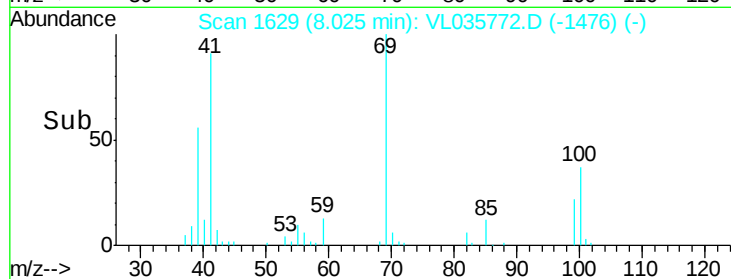
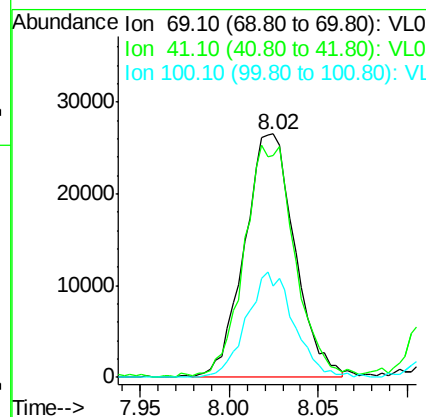
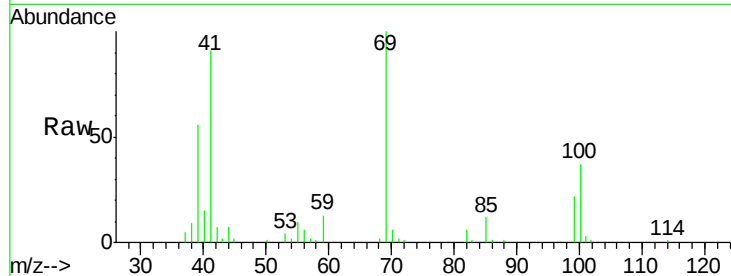
#43
Methvl Methacrilate
Concen: 0.455 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

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

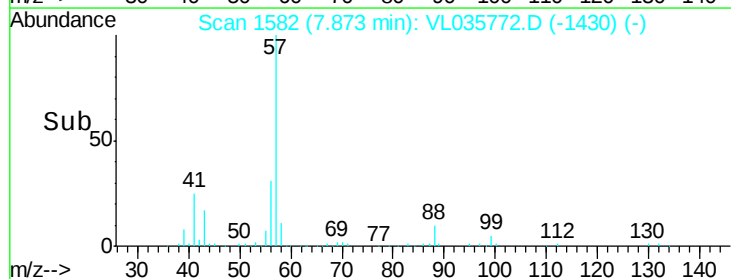
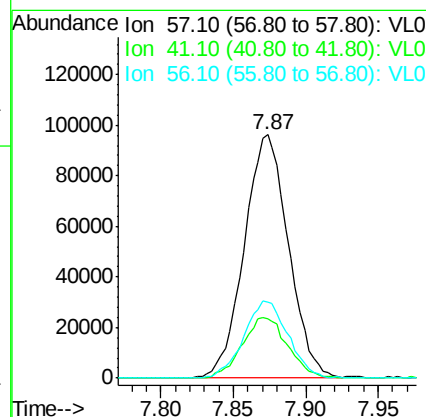
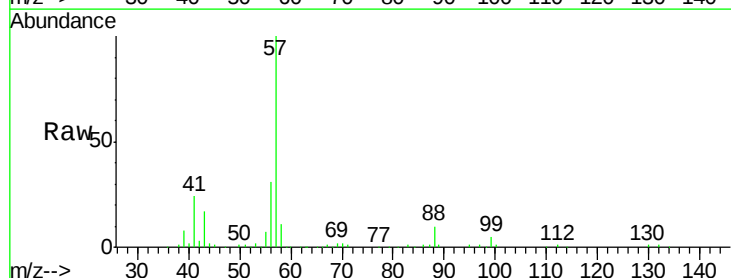
Manual Integrations
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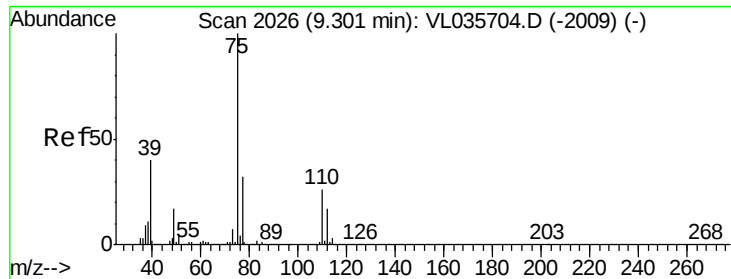
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#44
2,2,4-Trimethylpentane
Concen: 0.494 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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





#45

t-1,3-Dichloropropene

Concen: 0.407 ppbv m

RT: 9.29 min Scan# 2022

Delta R.T. -0.01 min

Lab File: VL035772.D

Acq: 12 Oct 2020 21:47

Tot Ion: 75 Resp: 47036

Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9

Instrument :

MSVOA_L

ClientSampleId :

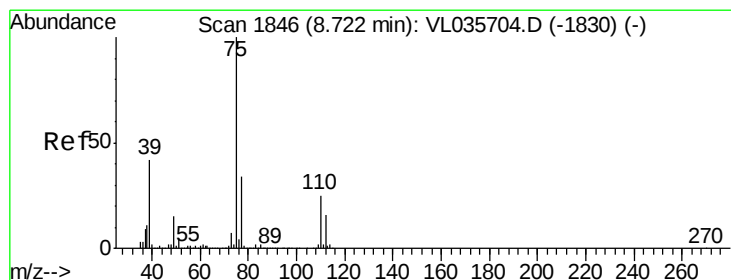
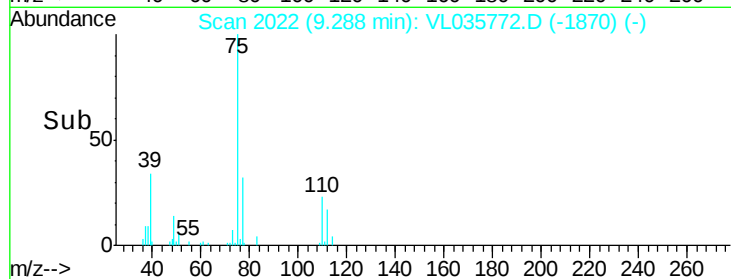
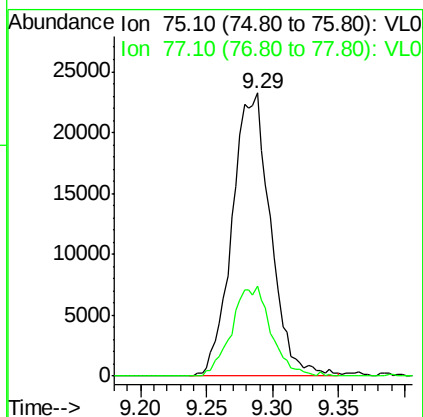
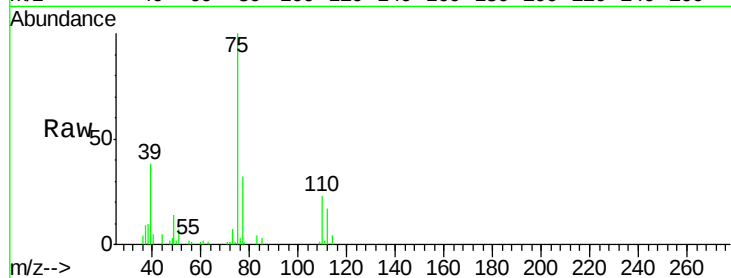
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#46

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

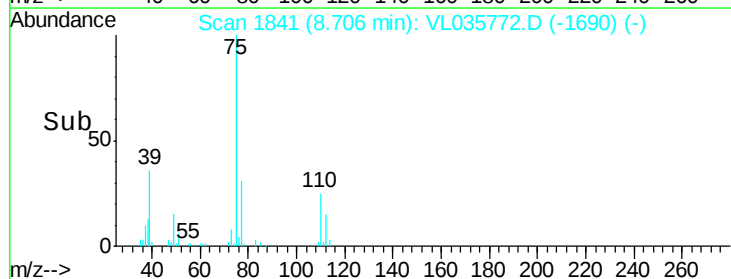
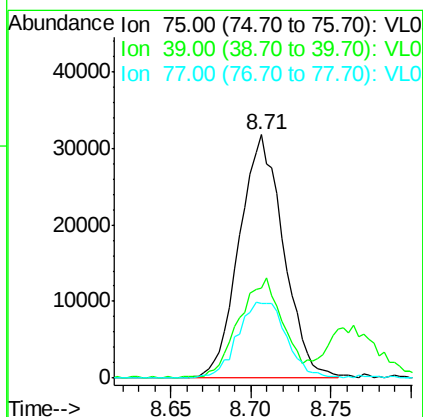
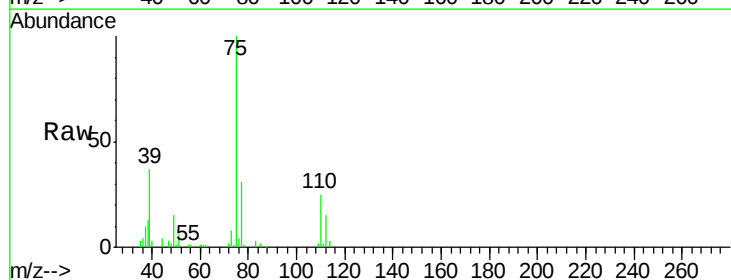
Tgt Ion: 75 Resp: 60180

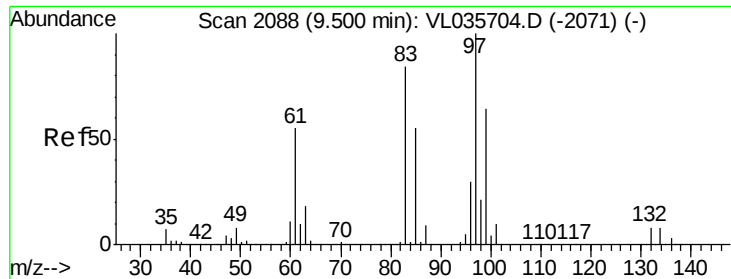
Ion Ratio Lower Upper

75 100

39 36.2 33.9 50.9

77 30.9 27.4 41.0





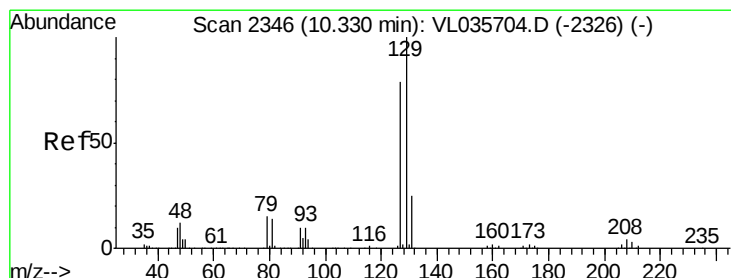
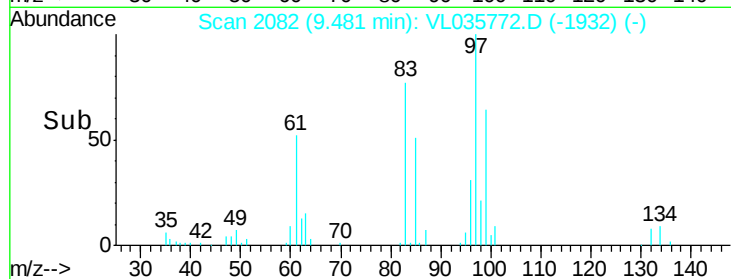
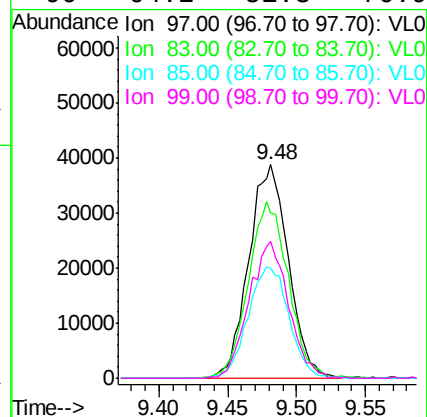
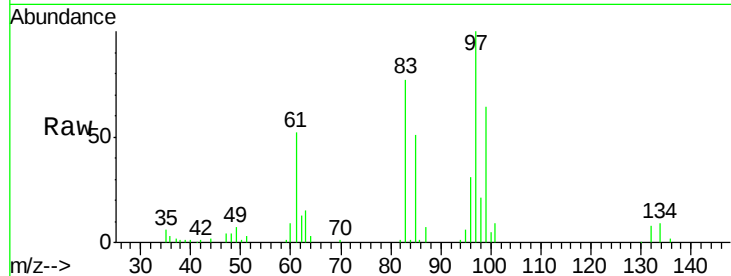
#47
 1,1,2-Trichloroethane
 Concen: 0.519 ppbv m
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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

Tot Ion:	97	Resp:	77514
Ion	Ratio	Lower	Upper
97	100		
83	77.5	67.1	100.7
85	51.4	43.9	65.9
99	64.2	51.3	76.9

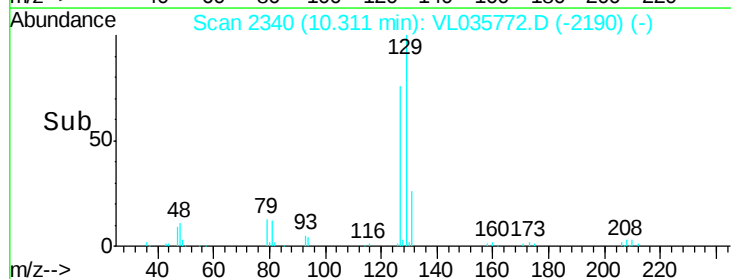
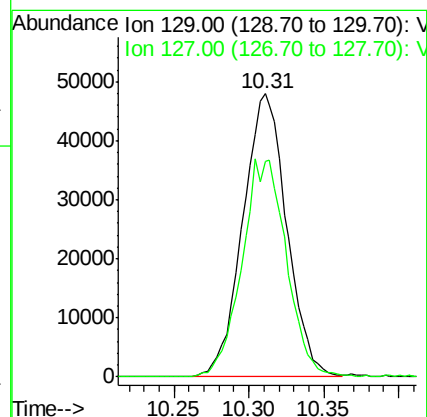
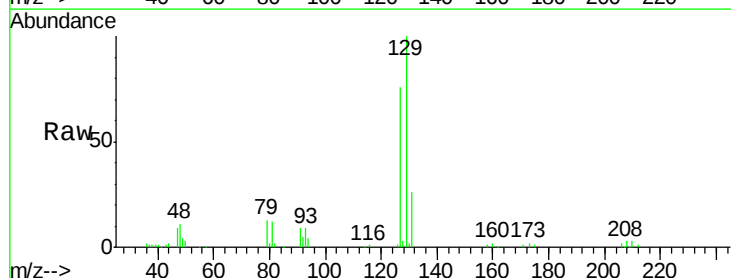
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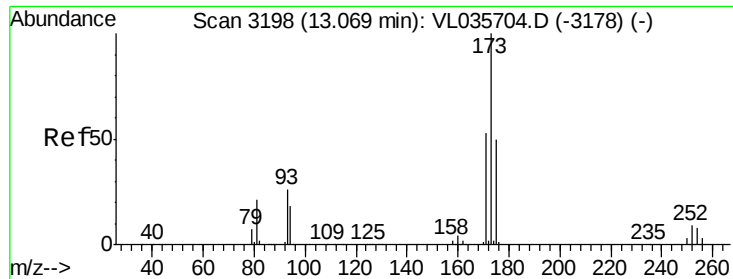
MMDadoda
 10/14/2020 2:11:56 PM



#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





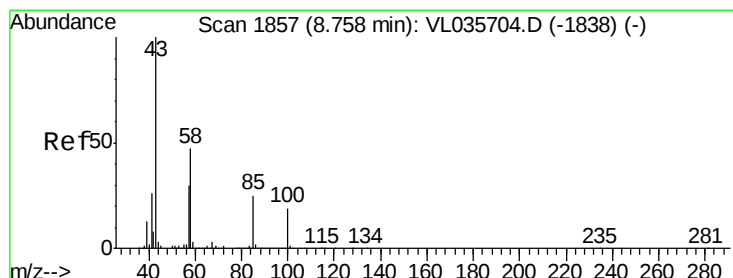
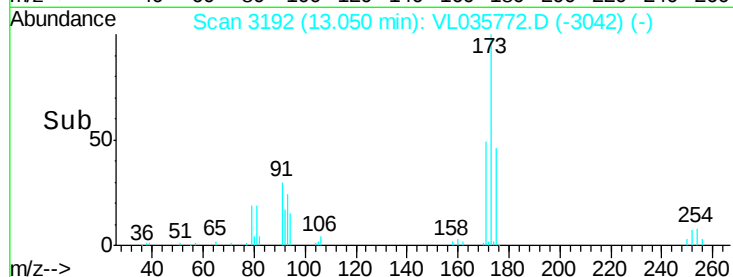
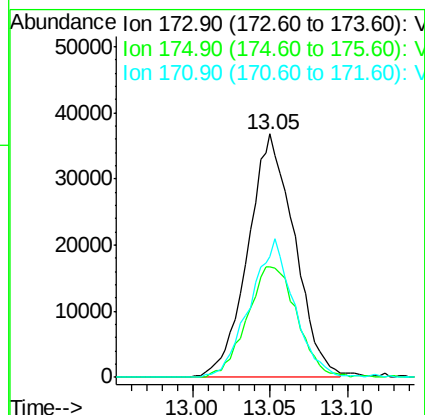
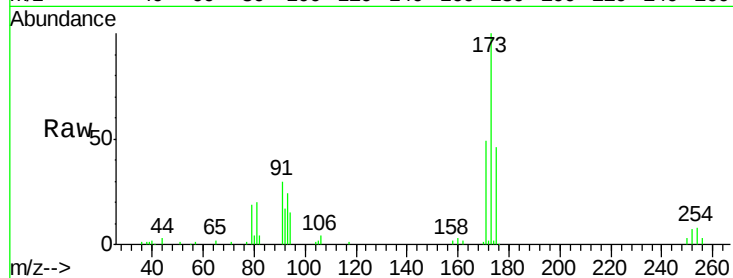
#49
Bromoform
Concen: 0.400 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.8	59.6
171	53.8	42.8	64.2

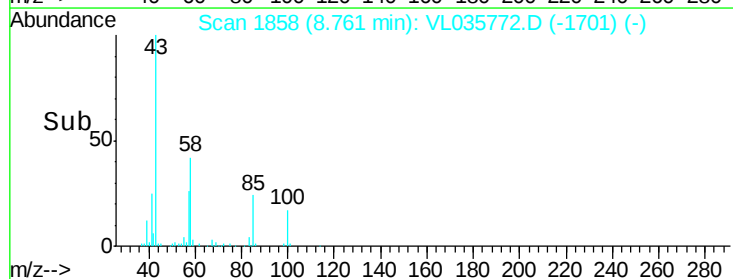
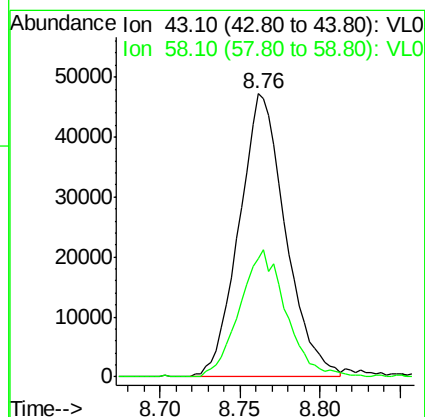
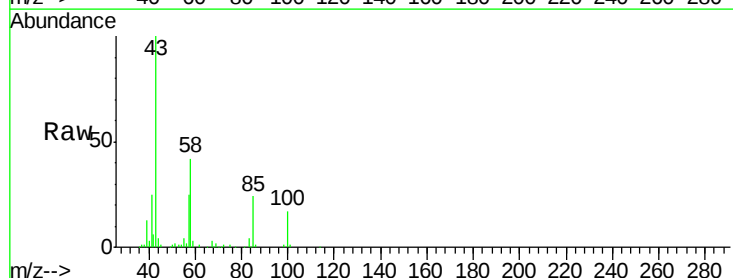
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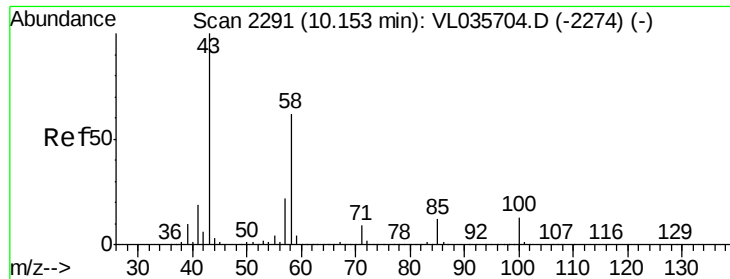
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 0.439 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.9	36.6	54.8





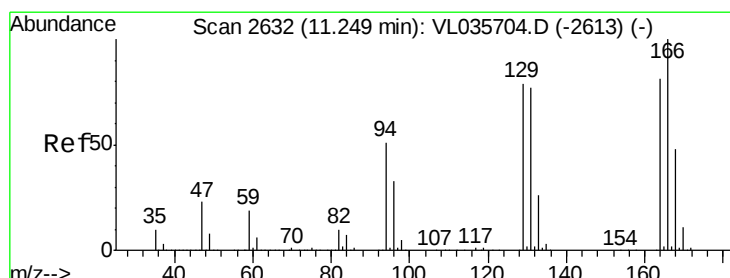
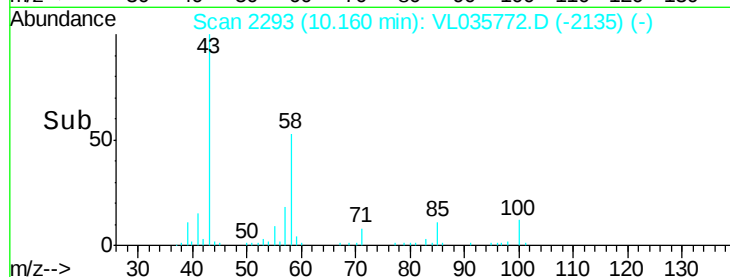
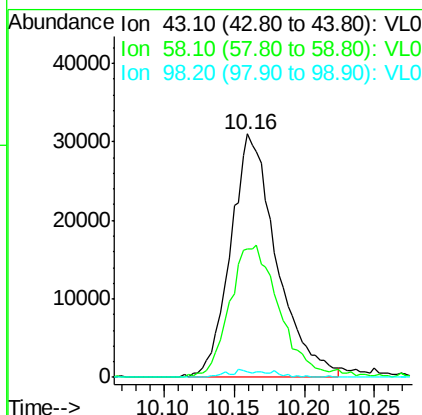
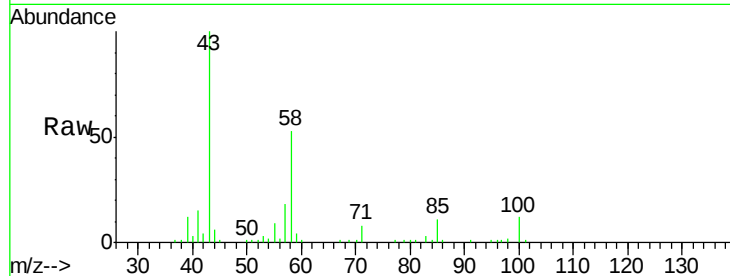
#51
2-Hexanone
Concen: 0.411 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

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

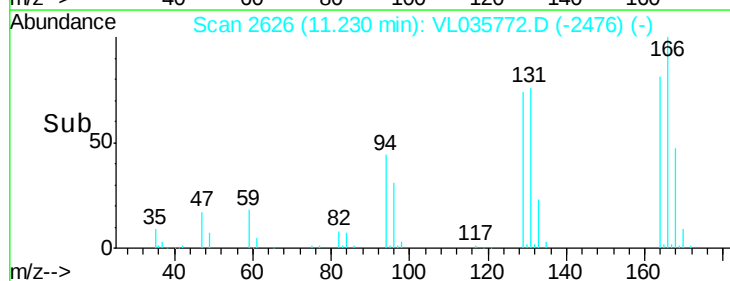
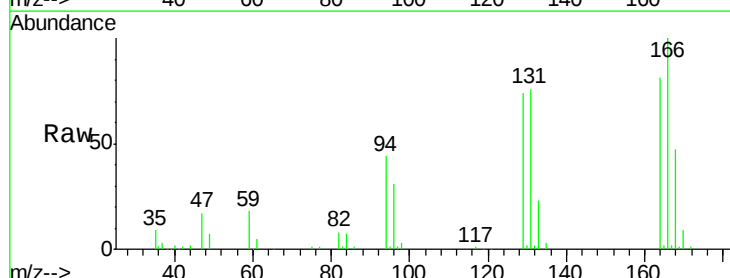
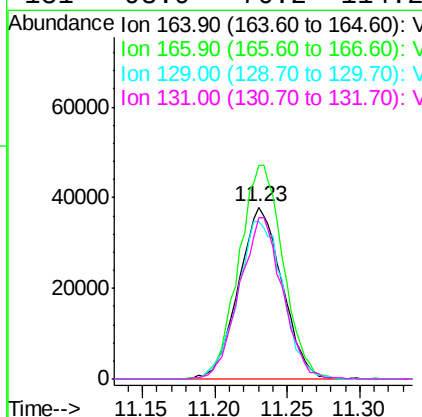
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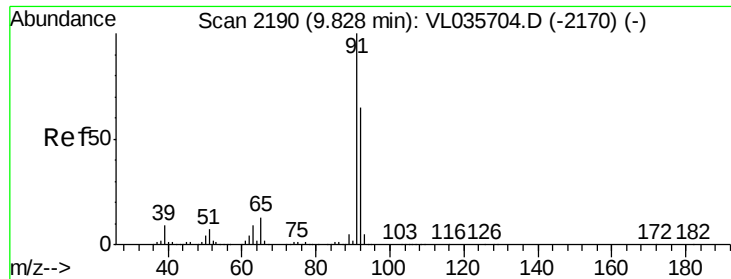
MMDadoda
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#52
Tetrachloroethene
Concen: 0.572 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion	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





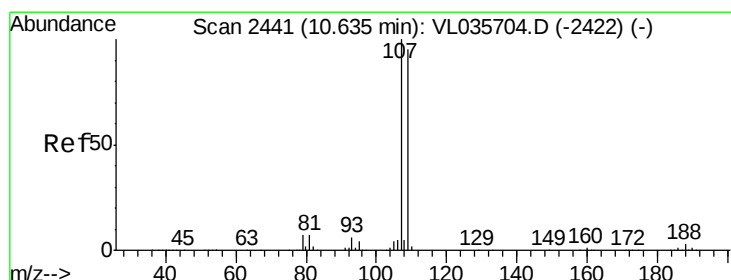
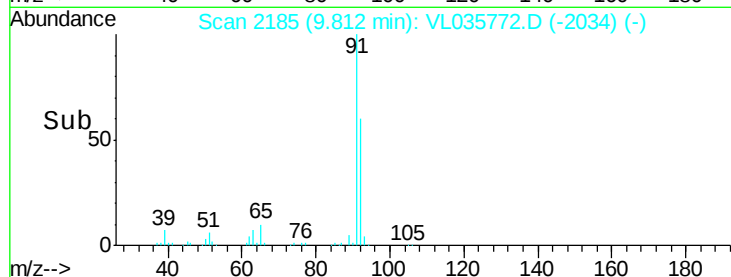
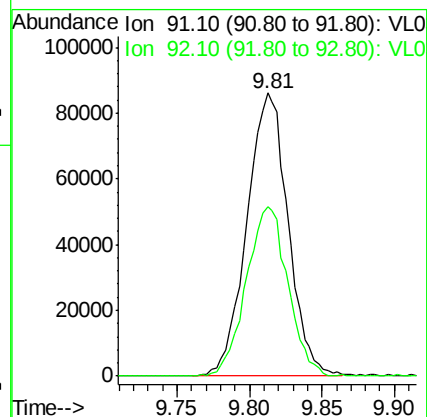
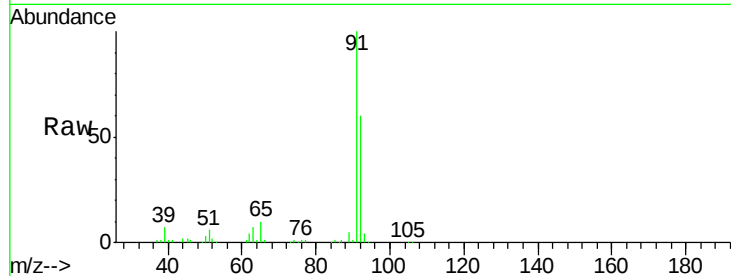
#53
Toluene
Concen: 0.502 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

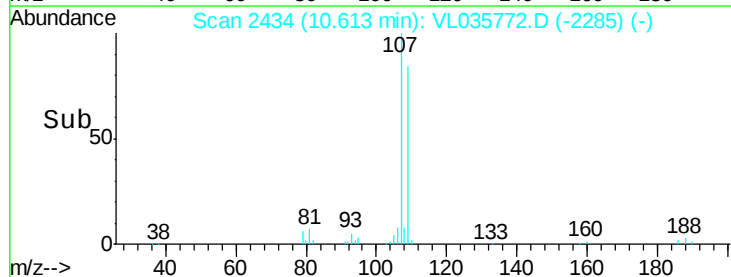
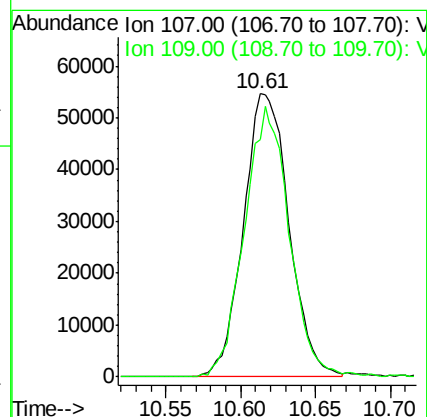
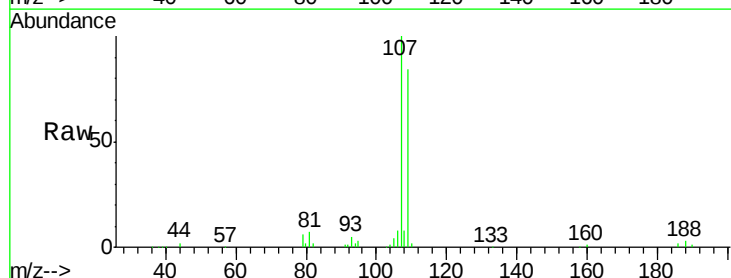
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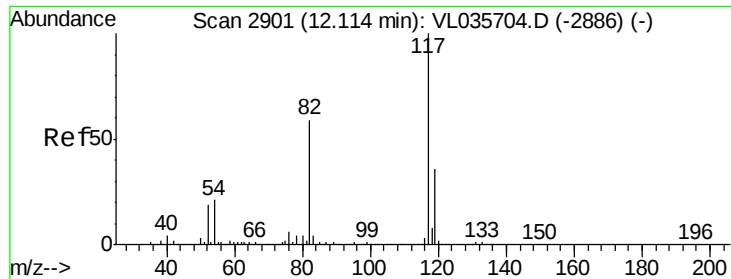
MMDadoda
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#54
1,2-Dibromoethane
Concen: 0.517 ppbv
RT: 10.61 min Scan# 2434
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

Tgt Ion: 107 Resp: 115762
Ion Ratio Lower Upper
107 100
109 83.8 76.0 114.0





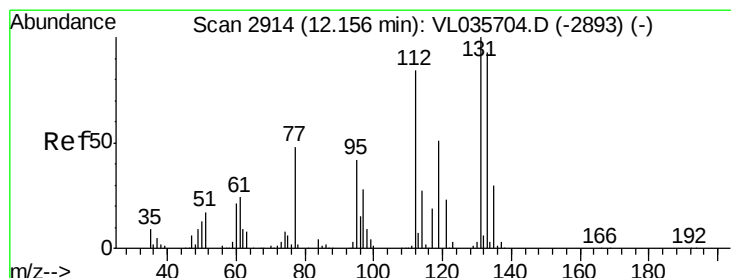
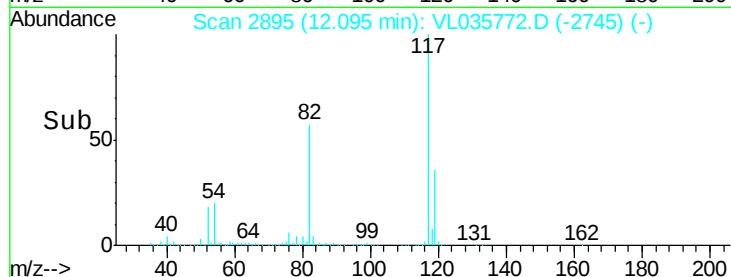
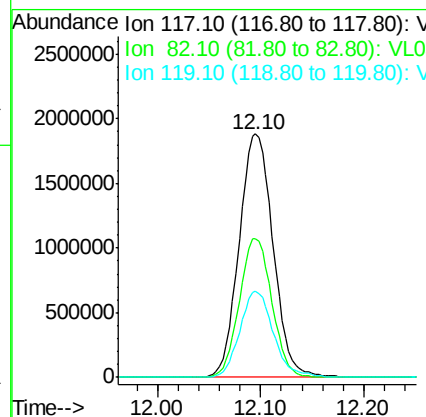
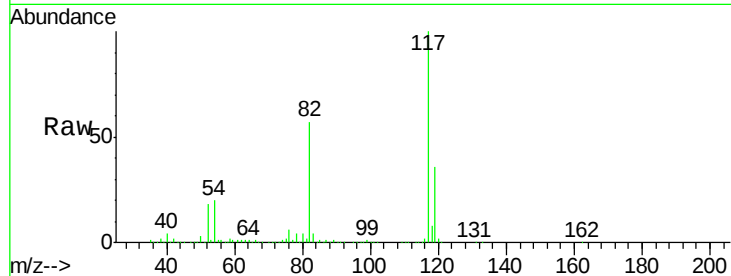
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

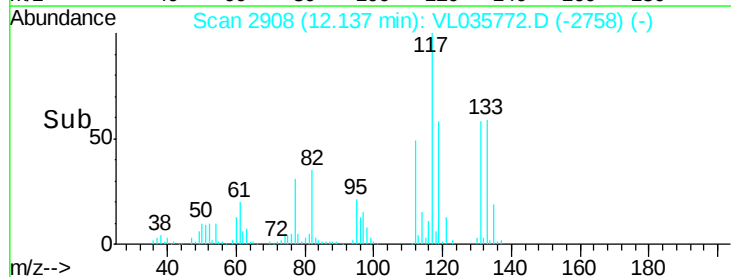
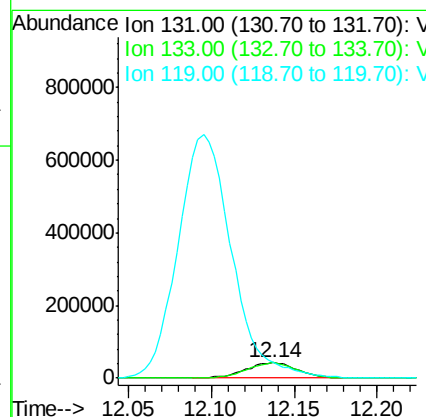
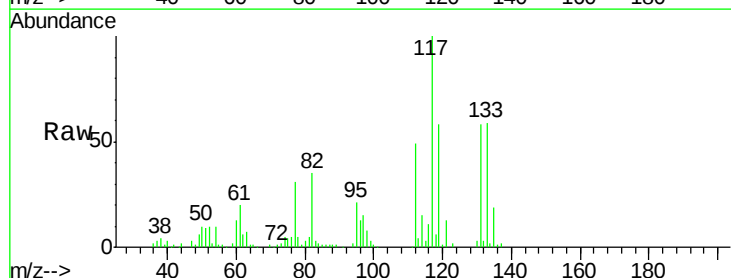
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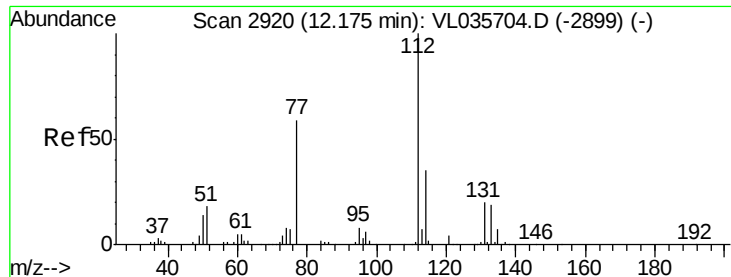
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.508 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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#





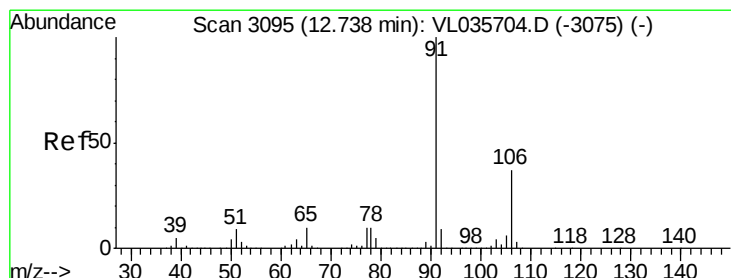
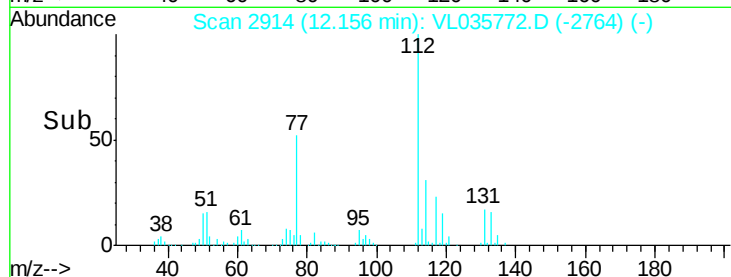
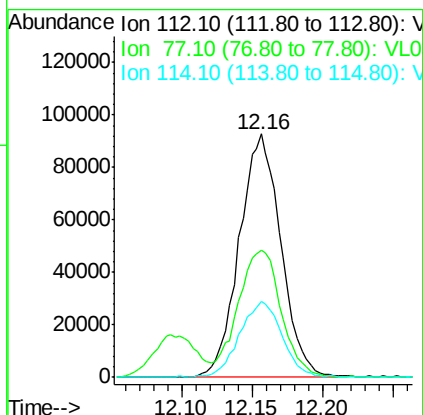
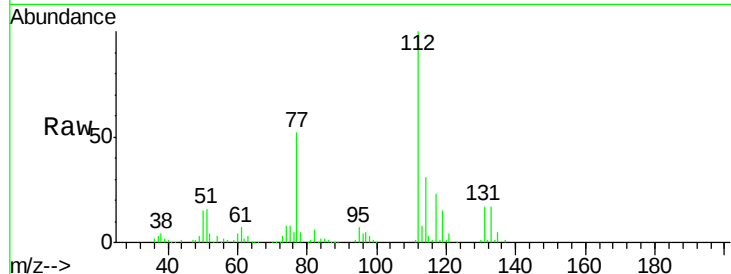
#57
Chlorobenzene
Concen: 0.586 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

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

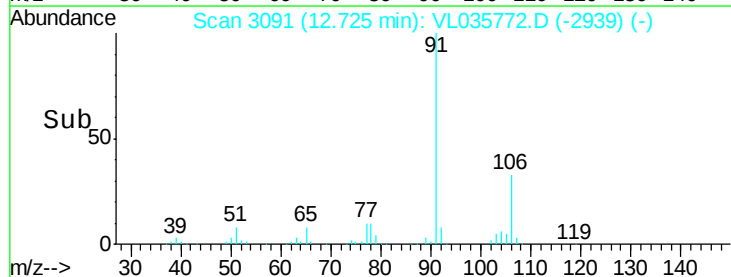
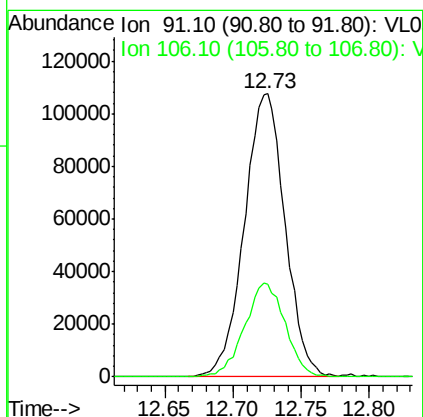
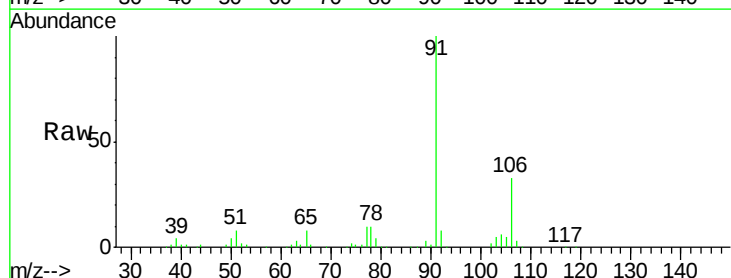
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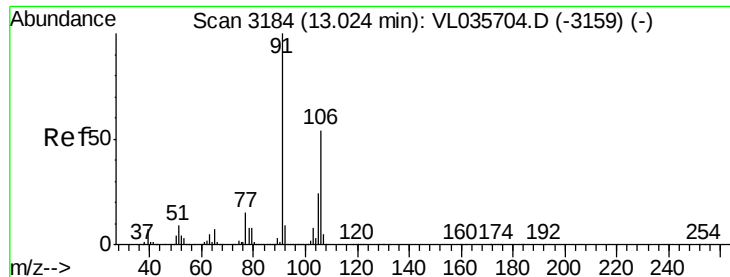
MMDadoda
10/14/2020 2:11:56 PM



#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	Ratio	Lower	Upper
91	100		
106	32.9	29.7	44.5





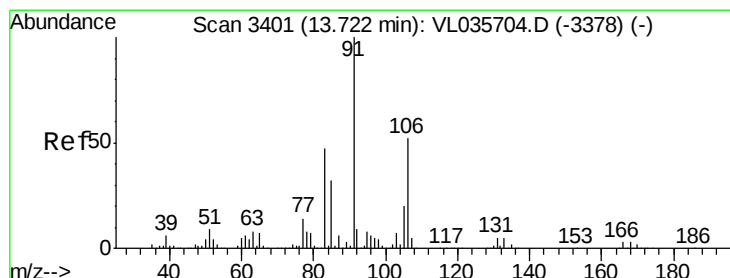
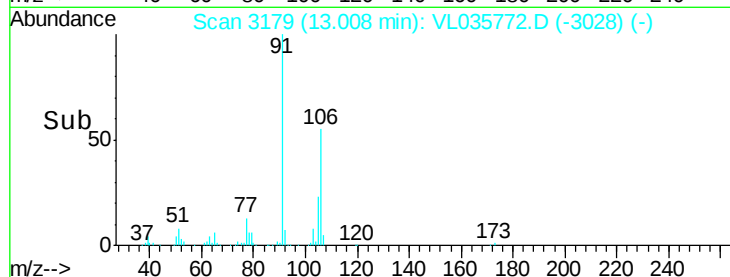
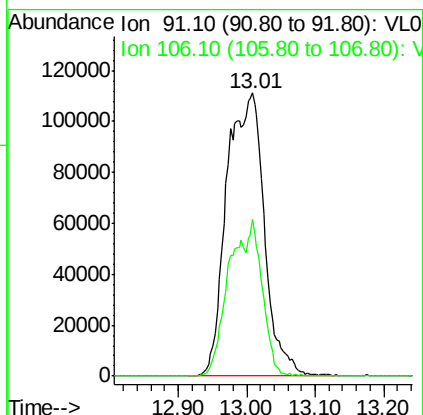
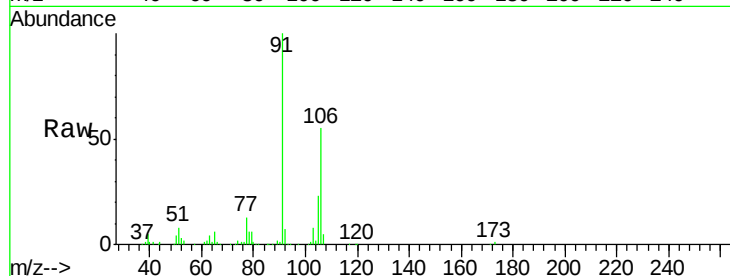
#59
m/p-Xylene
Concen: 1.120 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

Tot Ion: 91 Resp: 423830
Ion Ratio Lower Upper
91 100
106 48.5 41.4 62.0

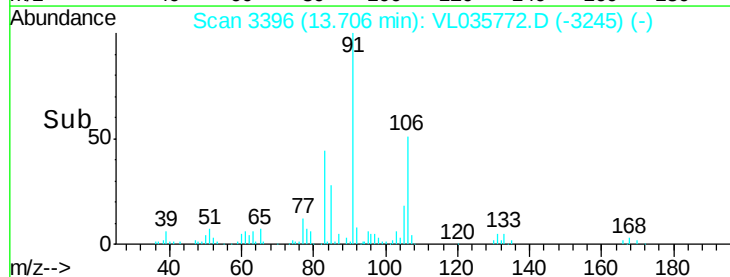
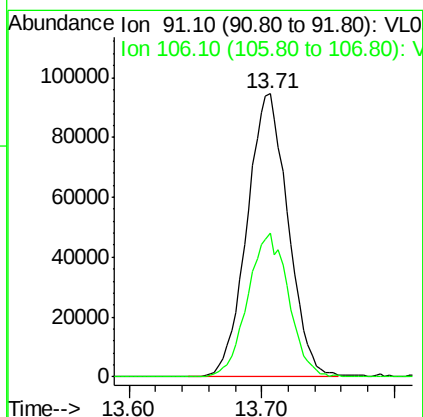
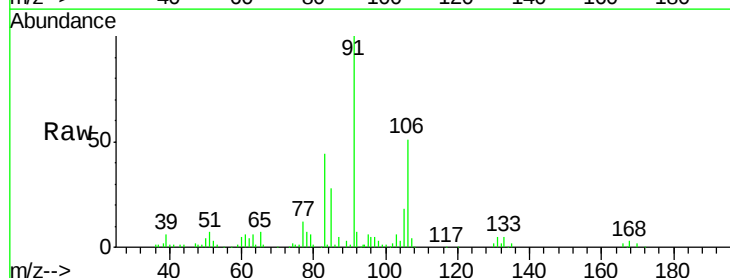
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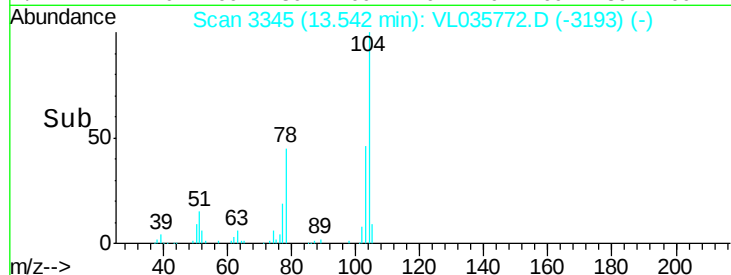
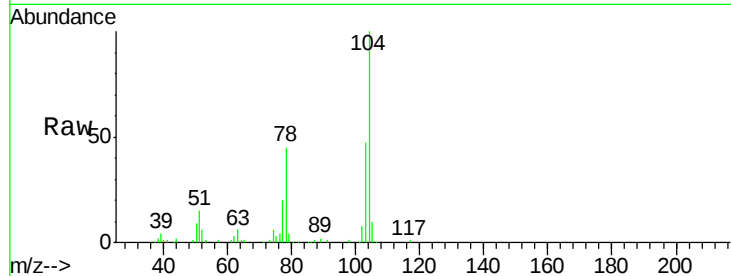
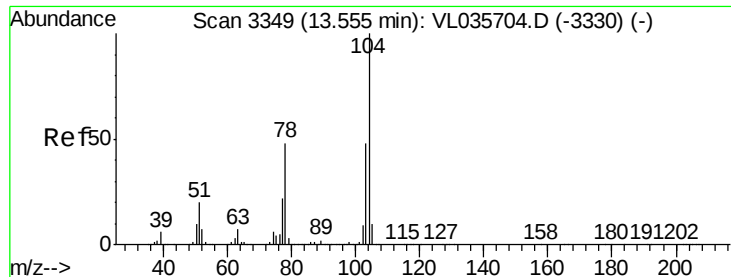
MMDadoda
10/14/2020 2:11:56 PM



#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





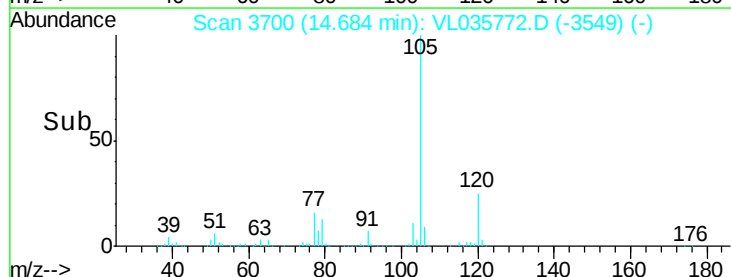
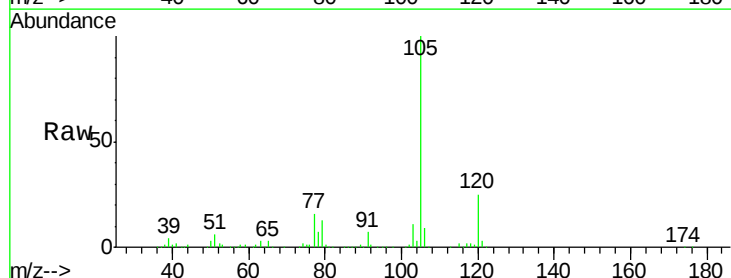
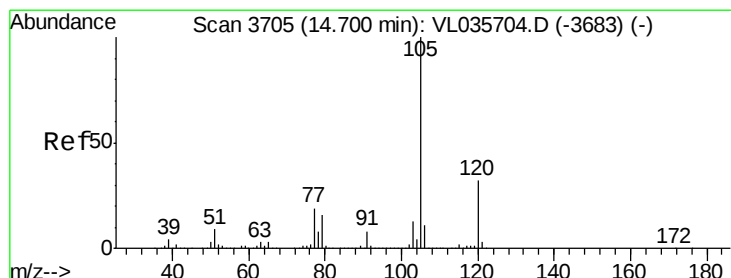
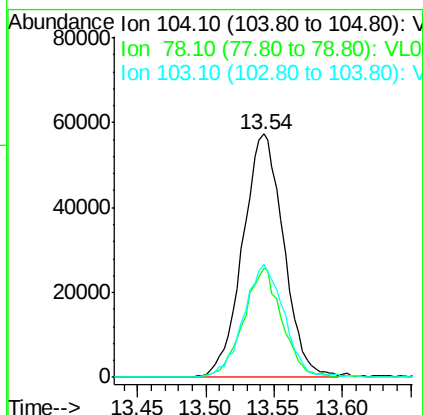
#61
Stvrene
Concen: 0.451 ppbv
RT: 13.54 min Scan# 3345
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

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

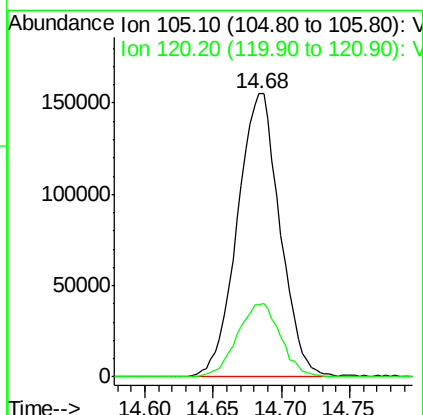
Manual Integrations
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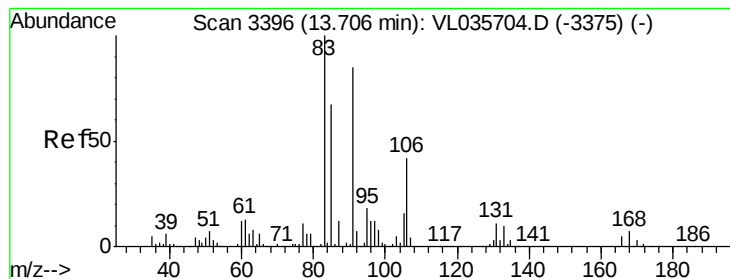
MMDadoda
10/14/2020 2:11:56 PM



#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	Ratio	Resp	Lower	Upper
105	100	335416		
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

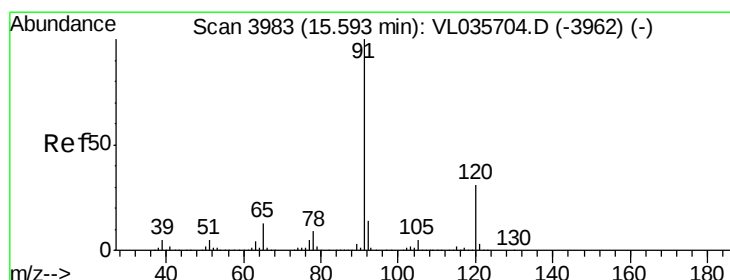
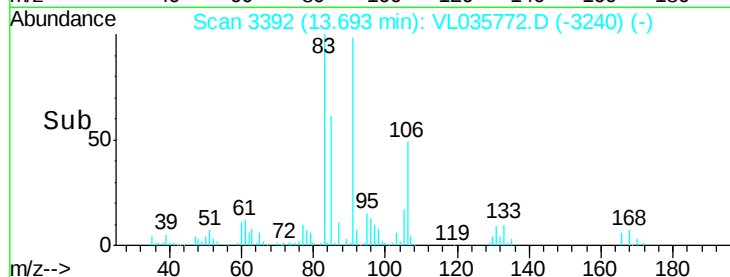
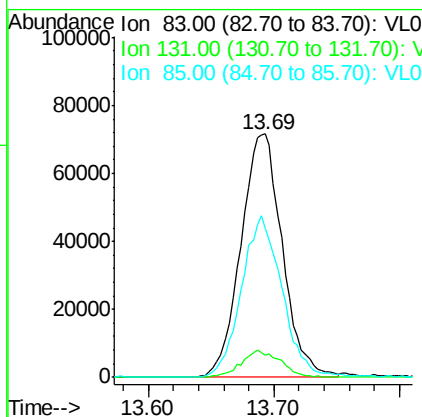
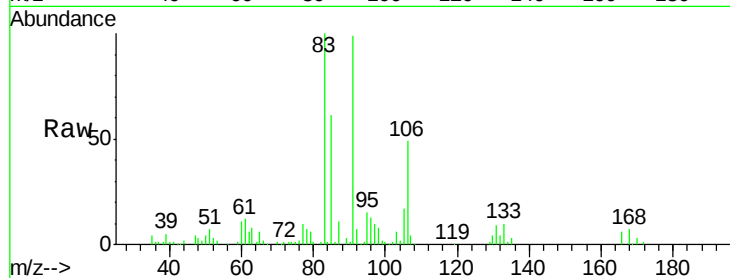
ClientSampleId :

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

Manual Integrations
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#64

n-propylbenzene

Concen: 0.537 ppbv

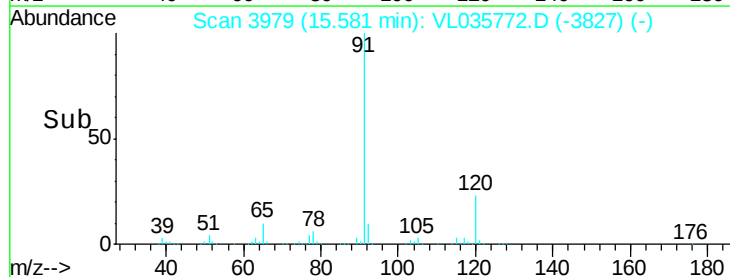
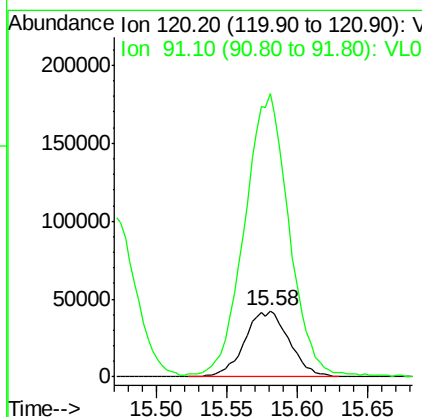
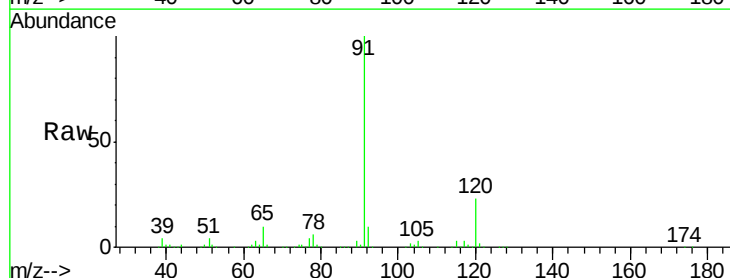
RT: 15.58 min Scan# 3979

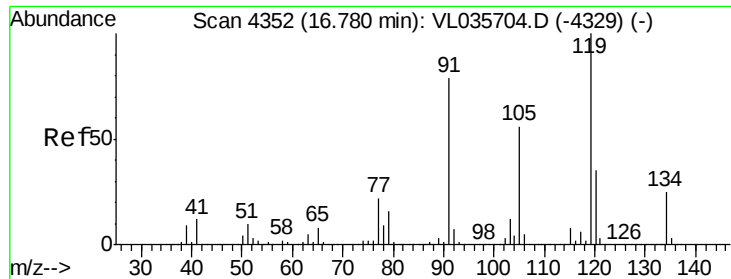
Delta R.T. -0.01 min

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





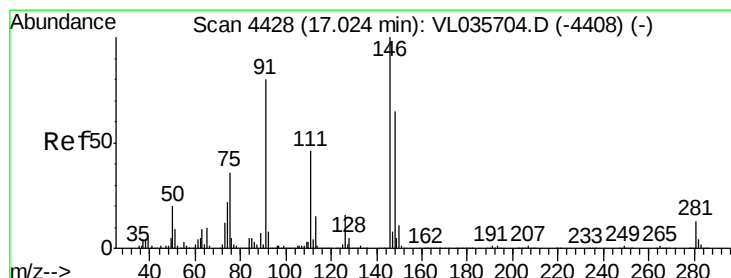
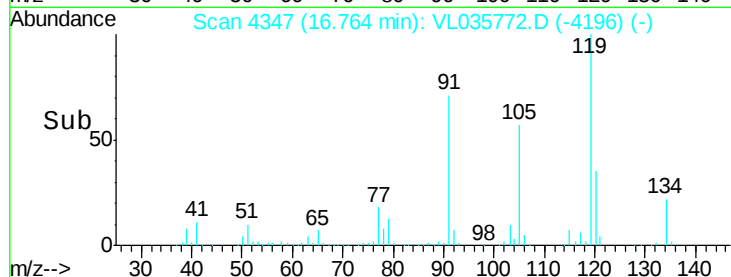
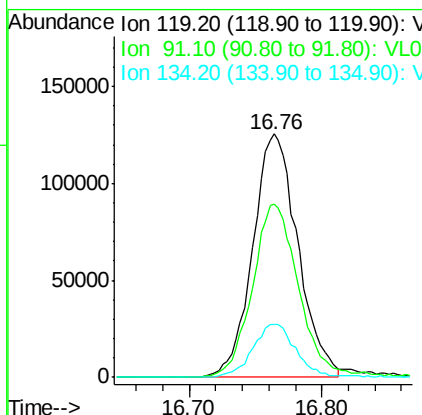
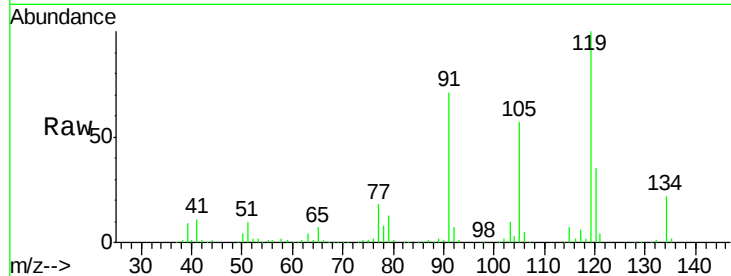
#65
tert-Butylbenzene
Concen: 0.550 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

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

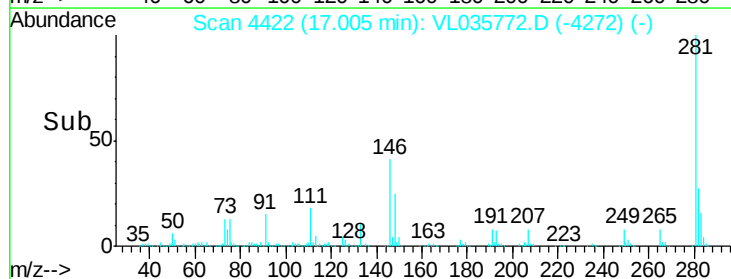
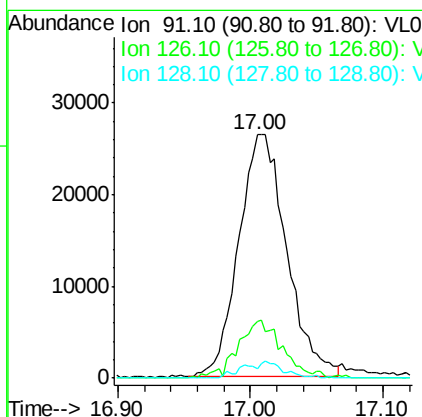
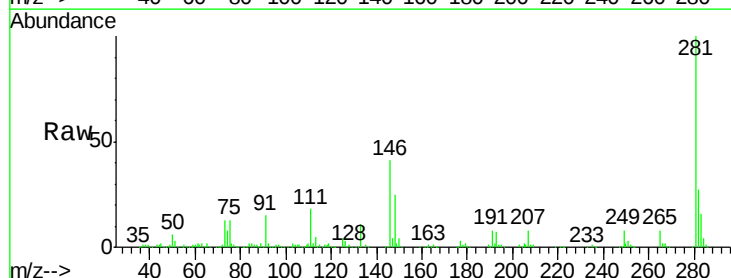
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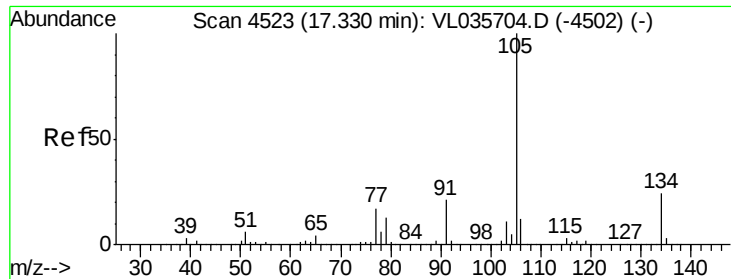
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#66
Benzyl Chloride
Concen: 0.404 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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





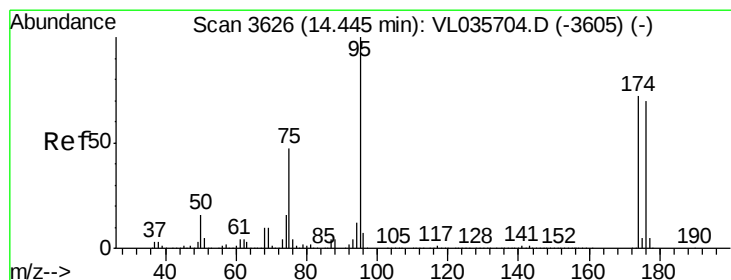
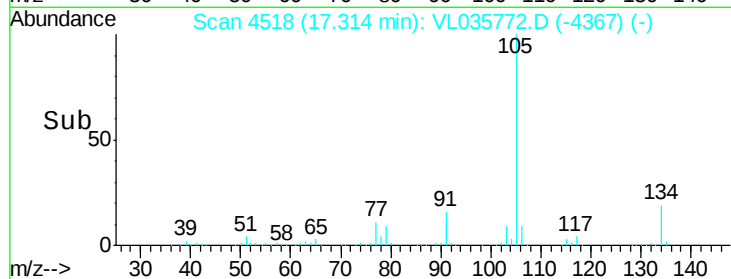
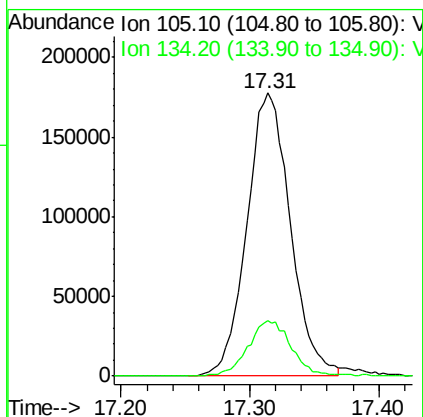
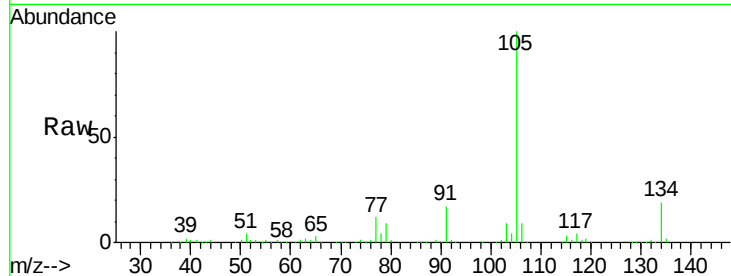
#67
 sec-Butylbenzene
 Concen: 0.560 ppbv
 RT: 17.31 min Scan# 4518
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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

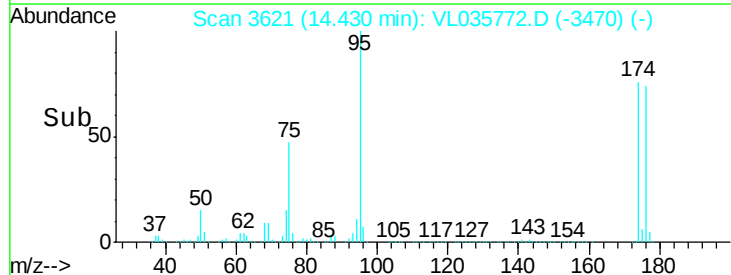
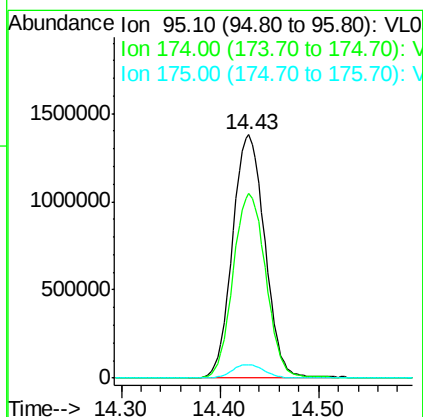
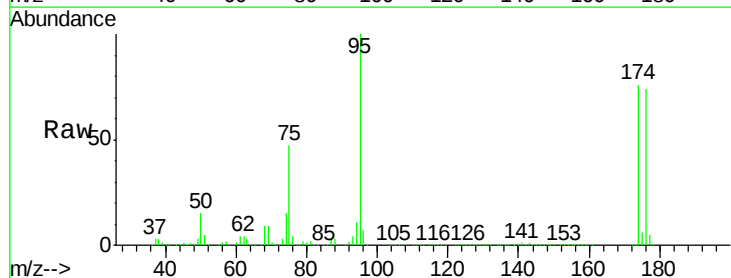
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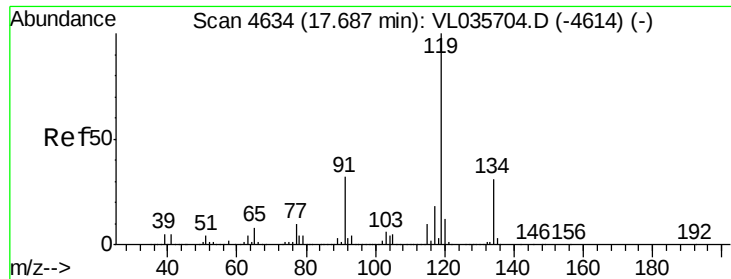
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.760 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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





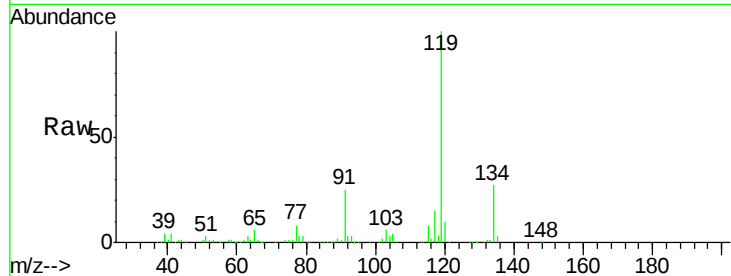
#69
p-Isopropyltoluene
Concen: 0.552 ppbv
RT: 17.67 min Scan# 4629
Delta R.T. -0.02 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	334515		
134	26.7	23.9	35.9	
91	25.4	23.8	35.6	

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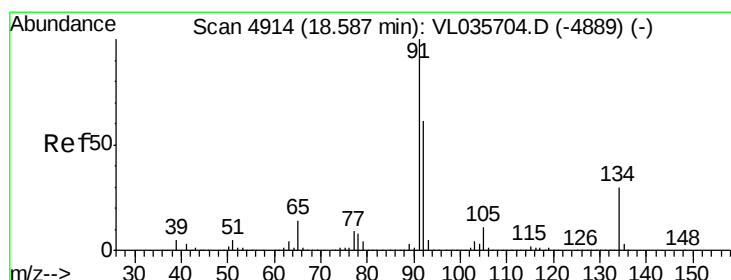
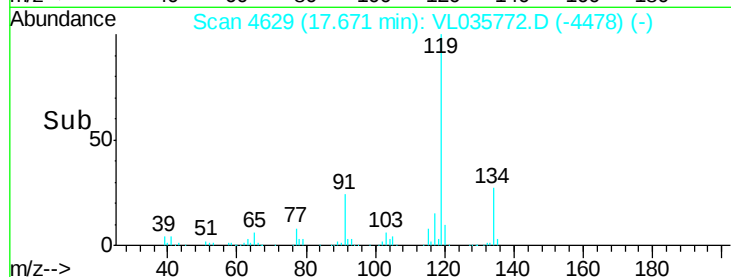
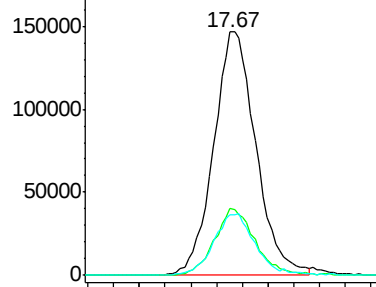


Abundance

Ion 119.10 (118.80 to 119.80): V

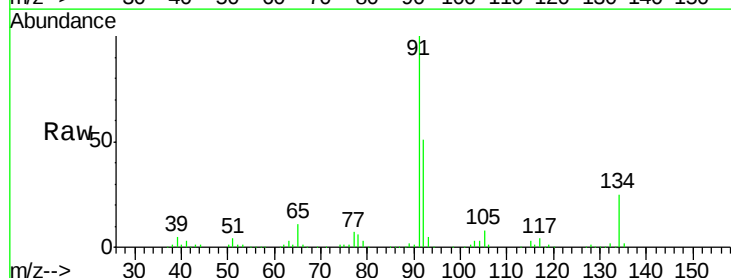
Ion 134.20 (133.90 to 134.90): V

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	Resp	Lower	Upper
91	100	334277		
92	51.9	47.0	70.4	
134	24.6	21.9	32.9	

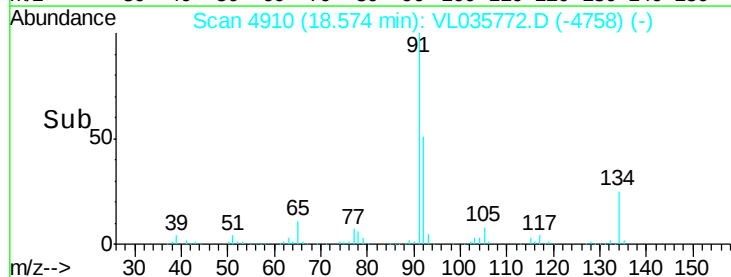
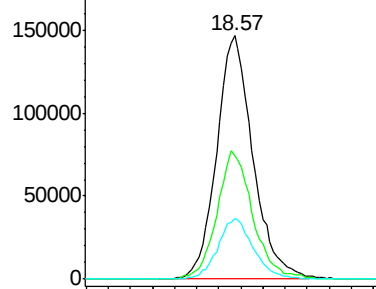


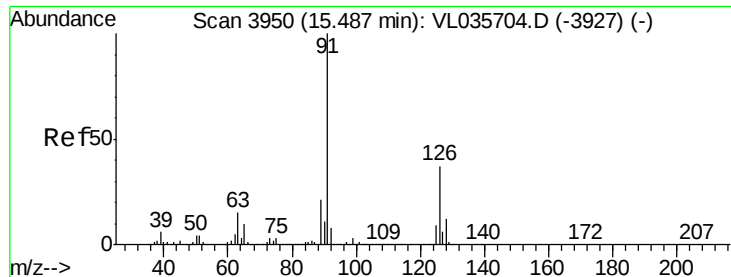
Abundance

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

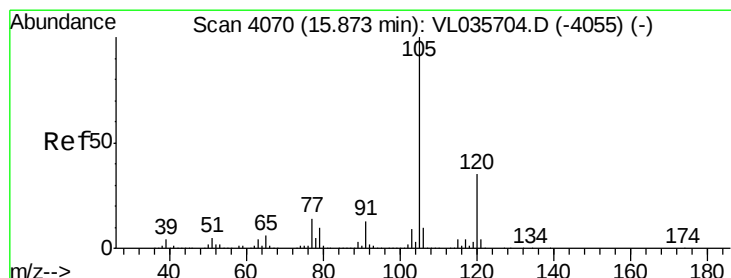
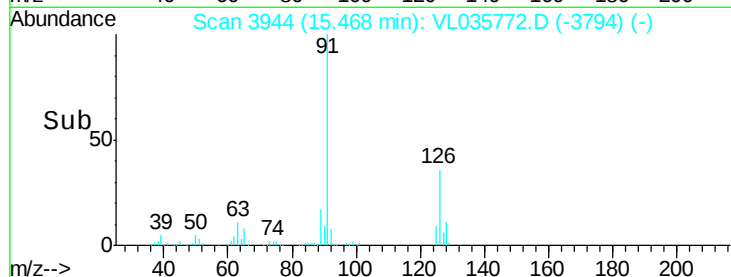
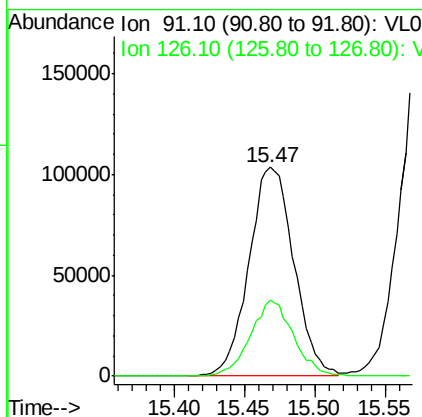
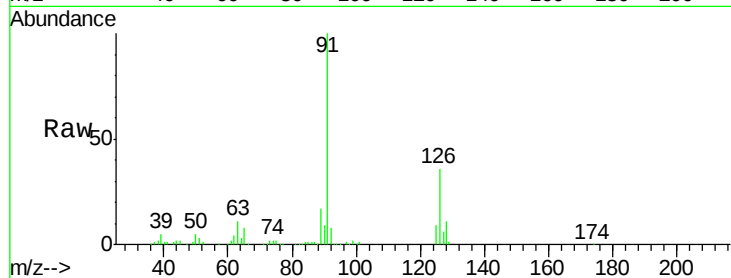
126 35.0 14.4 57.4

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#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

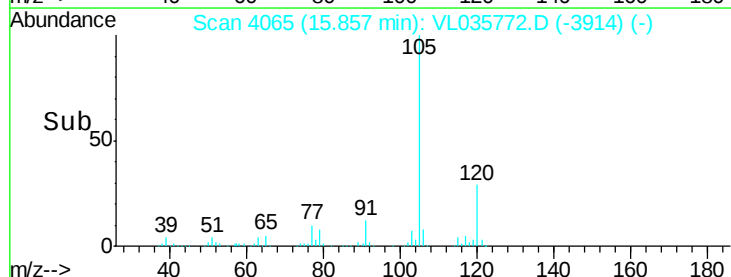
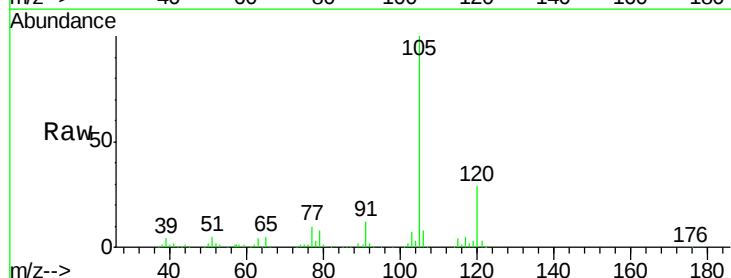
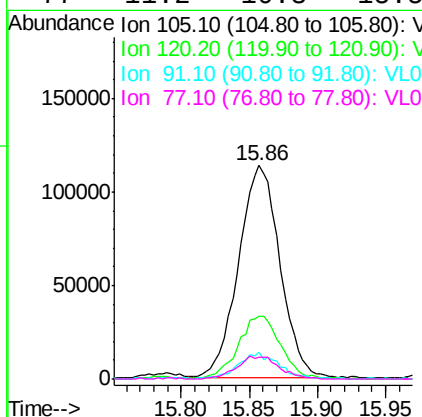
Ion Ratio Lower Upper

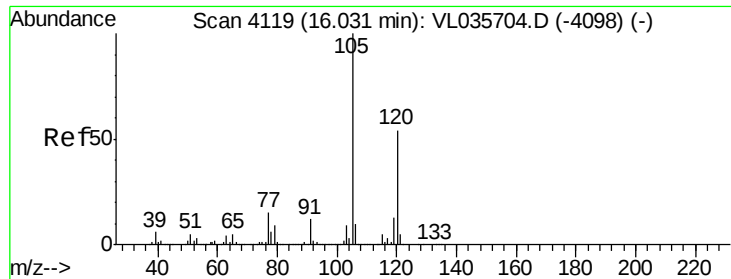
105 100

120 30.8 26.5 39.7

91 13.4 10.2 15.2

77 11.2 10.3 15.5





#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

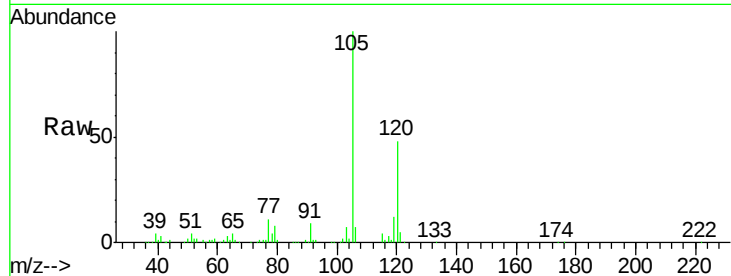
Ion Ratio Lower Upper

105 100

120 48.1 43.0 64.4

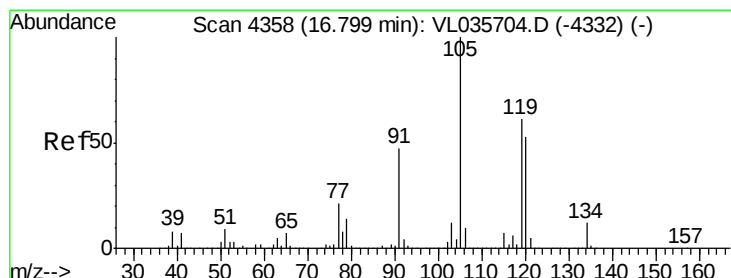
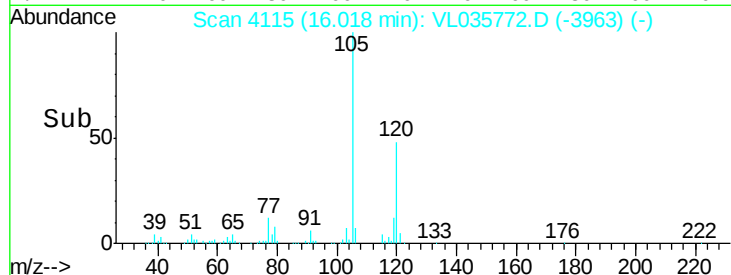
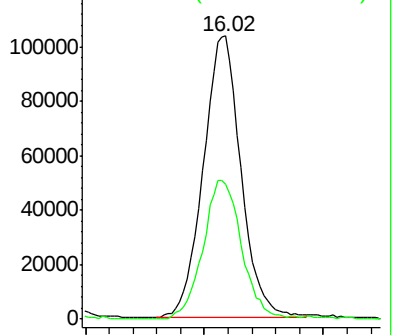
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.563 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

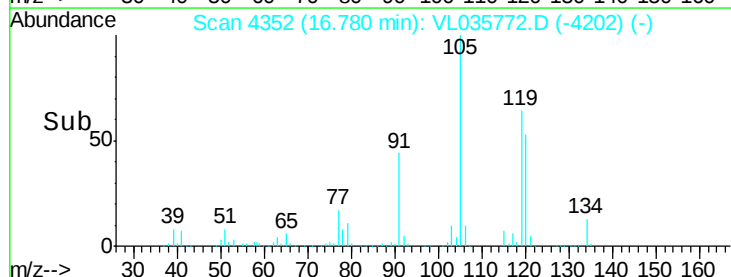
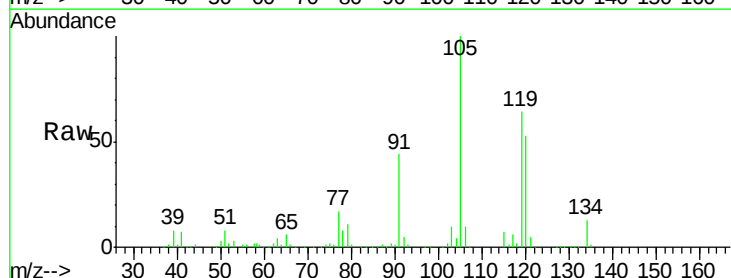
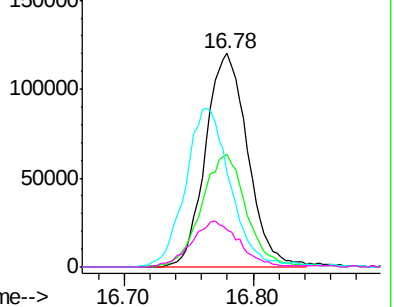
77 16.9 16.7 25.1

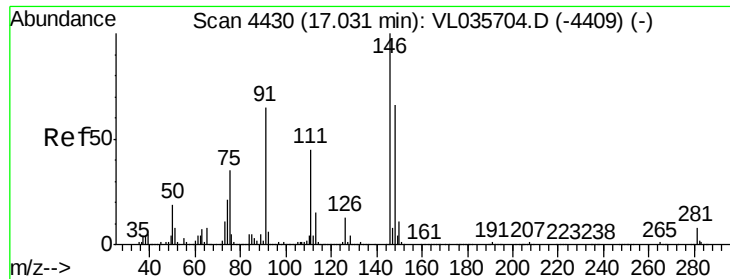
Abundance Ion 105.10 (104.80 to 105.80): V

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





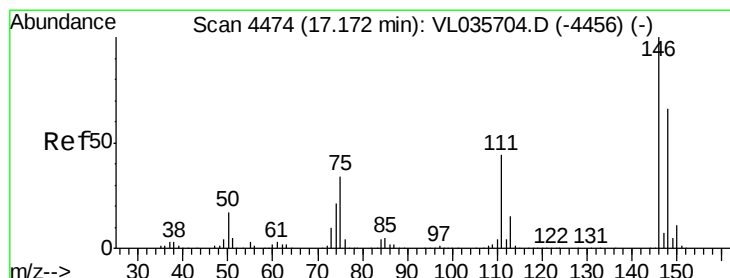
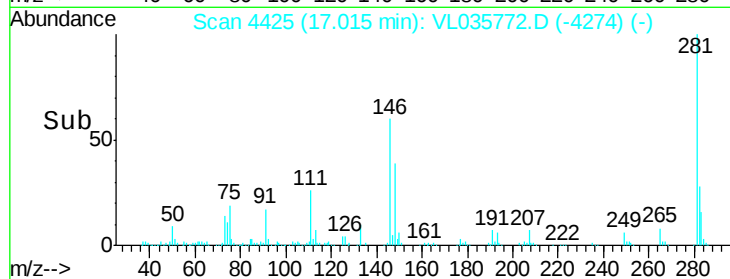
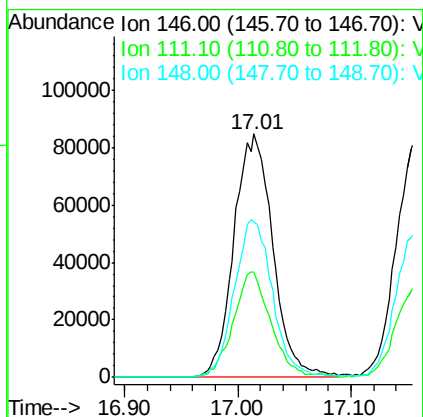
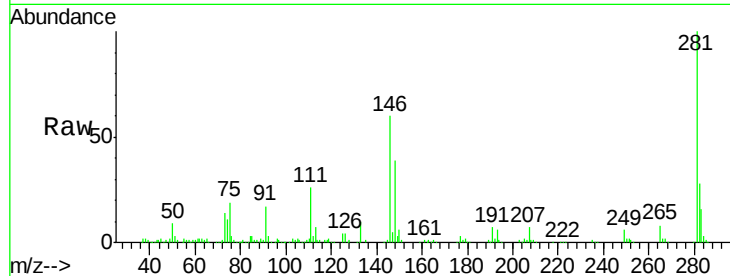
#75
 1,3-Dichlorobenzene
 Concen: 0.616 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203021		
111	42.3		22.4	67.0
148	63.8		33.0	99.0

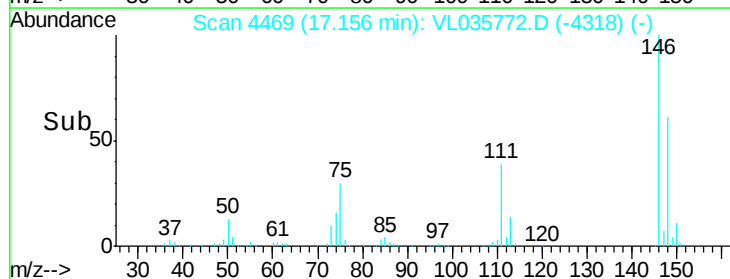
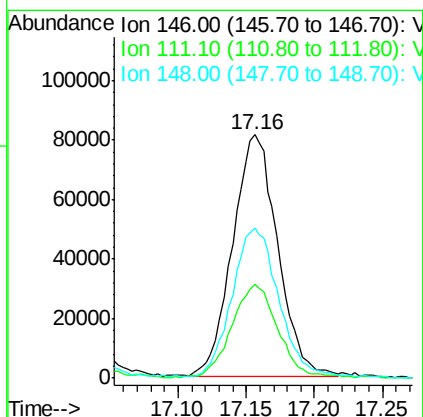
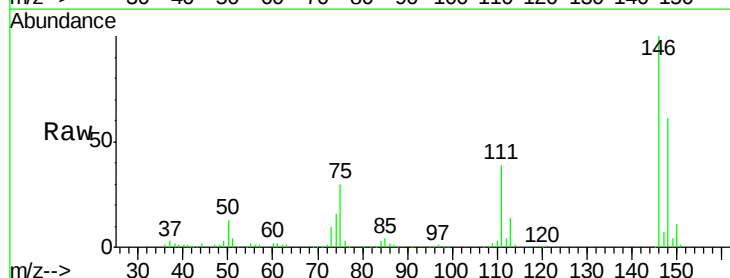
Manual Integrations
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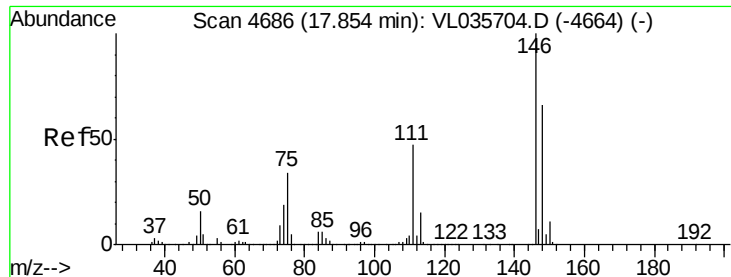
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 0.593 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. -0.02 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	187001		
111	40.3		21.4	64.3
148	66.0		32.6	98.0





#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

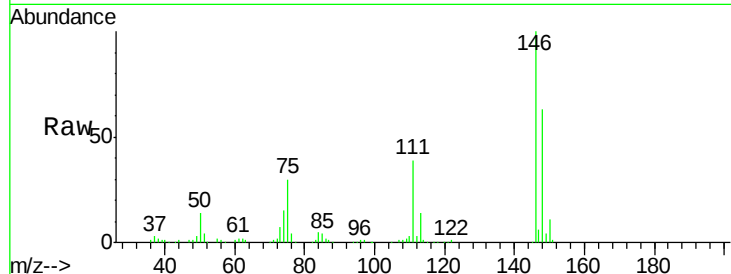
ClientSampleId :

LOQ-AIR-01-QT4-2020

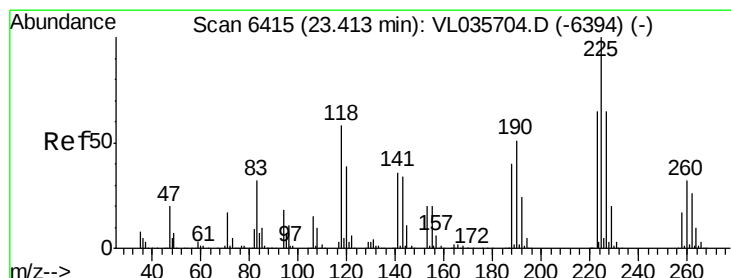
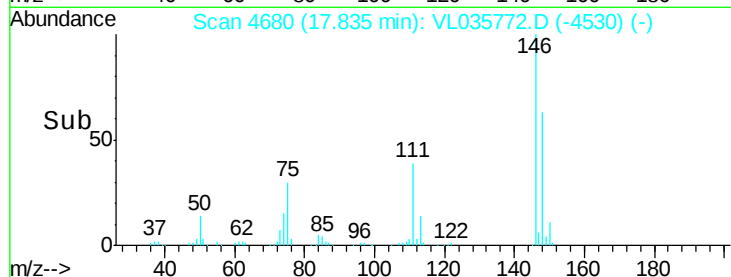
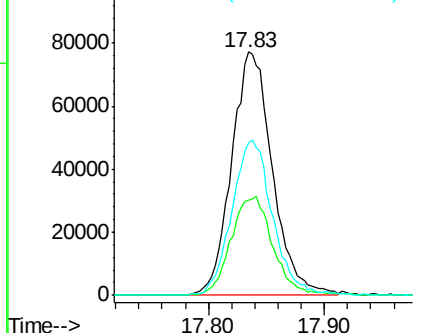
Tot Ion:	146	Resp:	188268
Ion Ratio	Lower	Upper	
146	100		
111	41.9	22.9	68.5
148	63.8	32.6	98.0

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



#78

Hexachloro-1,3-Butadiene

Concen: 0.494 ppbv

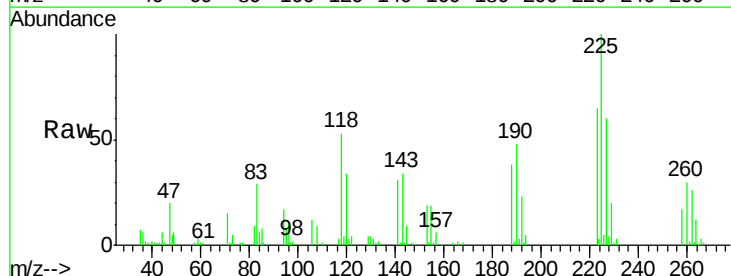
RT: 23.40 min Scan# 6411

Delta R.T. -0.01 min

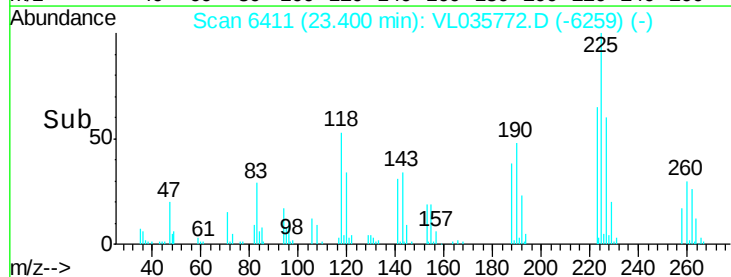
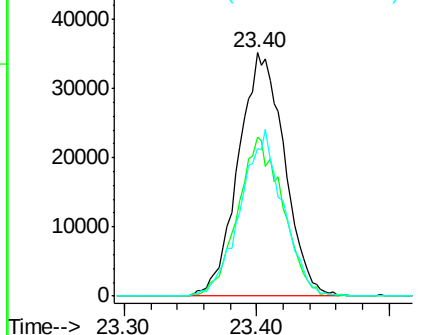
Lab File: VL035772.D

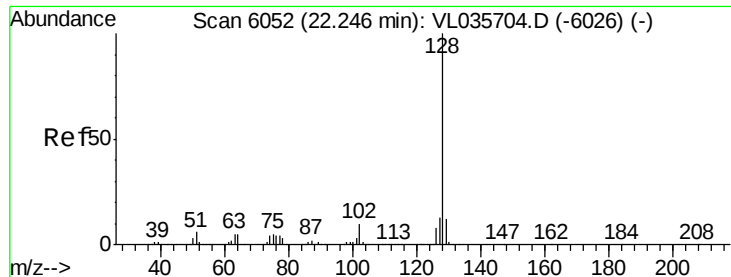
Acq: 12 Oct 2020 21:47

Tgt Ion:	225	Resp:	84935
Ion Ratio	Lower	Upper	
225	100		
223	64.2	51.3	76.9
227	63.4	51.6	77.4



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





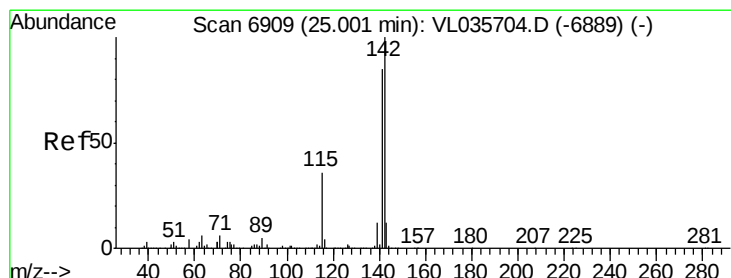
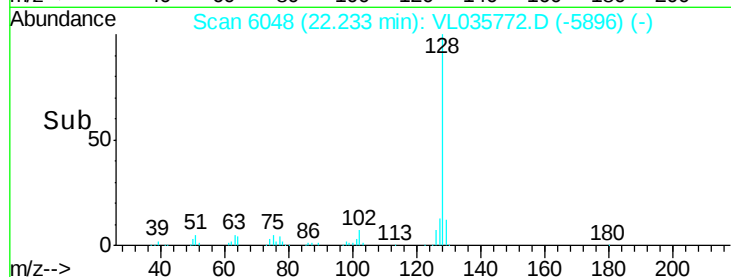
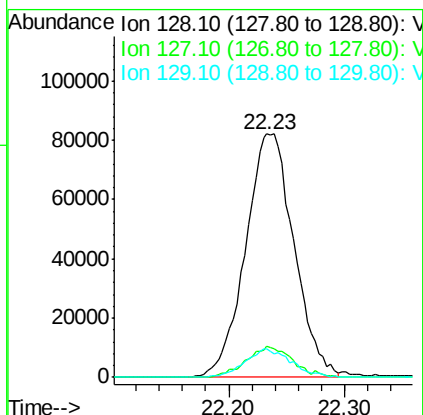
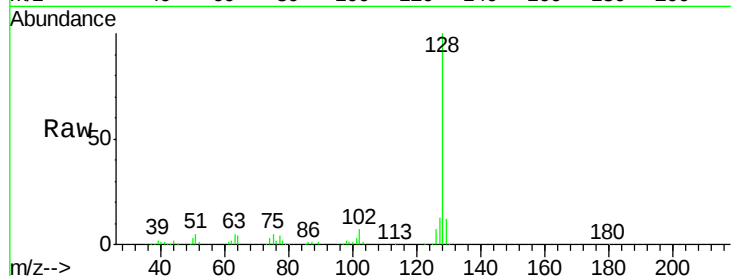
#79
Naphthalene
Concen: 0.517 ppbv
RT: 22.23 min Scan# 6048
Delta R.T. -0.01 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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

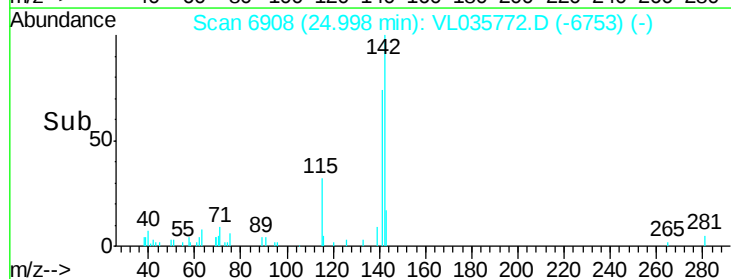
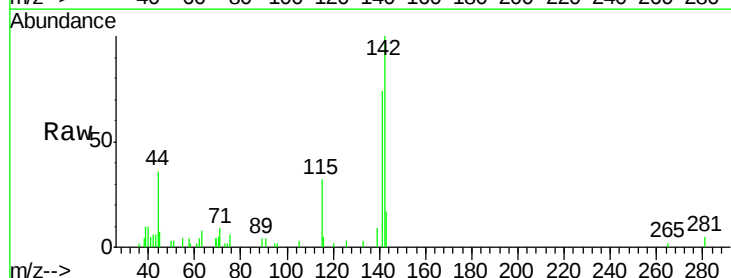
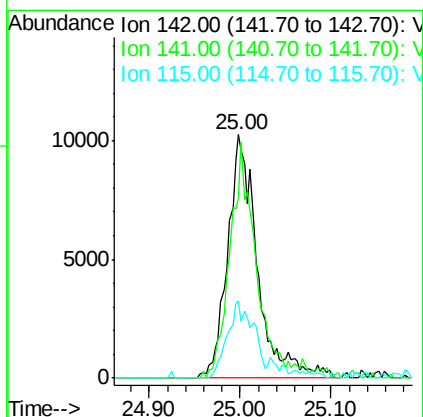
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#80
Naphthalene, 2-methyl-
Concen: 0.214 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. -0.00 min
Lab File: VL035772.D
Acq: 12 Oct 2020 21:47

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





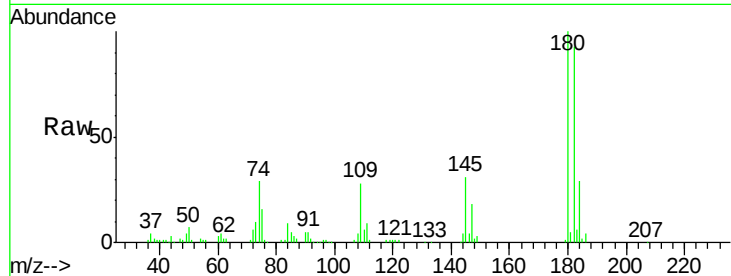
#81
 1,2,4-Trichlorobenzene
 Concen: 0.570 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. -0.01 min
 Lab File: VL035772.D
 Acq: 12 Oct 2020 21:47

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136051		
182	98.6	76.2	114.2	
184	30.9	24.6	37.0	

Manual Integrations
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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

