

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036387.D
 Acq On : 25 Feb 2021 18:53
 Operator : SY/AP
 Sample : M1458-14 0.5LOQ
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:02:57 AM

Quant Time: Feb 26 15:52:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1549244	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3419415	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3113668	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2588120	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	145509	0.629 ppbv	96
3) Chlorodifluoromethane	2.98	51	124438	0.646 ppbv	98
4) Chloromethane	3.13	50	53738	0.578 ppbv #	86
5) Vinyl Chloride	3.25	62	41641	0.481 ppbv	93
6) Bromomethane	3.46	94	29462m	0.572 ppbv	
7) Chloroethane	3.55	64	17746	0.577 ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	133739	0.636 ppbv	95
9) Propene	3.00	41	42559	0.593 ppbv	84
10) Heptane	8.11	43	107517m	0.508 ppbv	
11) Trichlorofluoromethane	3.94	101	145307m	0.642 ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.47	101	88415	0.630 ppbv	96
13) Ethanol	3.60	45	8358m	0.620 ppbv	
14) Bromoethene	3.73	108	31699m	0.540 ppbv	
15) Acetone	3.85	43	117561m	0.621 ppbv	
16) 1,3-Butadiene	3.31	39	43091	0.476 ppbv	99
17) tert-Butyl alcohol	4.29	59	82569m	0.562 ppbv	
18) 1,1-Dichloroethene	4.28	96	35861m	0.563 ppbv	
19) Isopropyl Alcohol	3.96	45	67537m	0.644 ppbv	
20) Methylene Chloride	4.33	84	35632	0.583 ppbv	93
21) Allyl Chloride	4.40	41	51770	0.491 ppbv	91
22) trans-1,2-Dichloroethene	4.87	96	33656m	0.581 ppbv	
23) Vinyl Acetate	5.06	43	104325	0.469 ppbv #	93
24) 1,1-Dichloroethane	5.00	63	92628	0.562 ppbv	99
25) Ethyl Acetate	5.66	43	197345	0.540 ppbv #	97
26) Hexane	5.67	57	74174	0.494 ppbv #	75
27) Carbon Disulfide	4.54	76	68398m	0.495 ppbv	
28) Methyl tert-Butyl Ether	5.02	73	97559	0.497 ppbv	99
29) Chloroform	5.73	83	144872	0.599 ppbv	94
30) Cyclohexane	7.11	84	66522m	0.532 ppbv	
31) cis-1,2-Dichloroethene	5.53	61	65431	0.440 ppbv #	89
32) 1,1,1-Trichloroethane	6.49	97	133486	0.590 ppbv	99
34) 2-Butanone	5.25	43	127046m	0.559 ppbv	
35) Carbon Tetrachloride	7.00	117	129026	0.563 ppbv	91
36) Benzene	6.87	78	147738	0.509 ppbv #	90
37) 1,2-Dichloroethane	6.29	62	100933	0.562 ppbv	98
38) Trichloroethene	7.82	130	55367m	0.532 ppbv	
39) 1,2-Dichloropropane	7.59	63	66467	0.563 ppbv	93
40) 1,4-Dioxane	7.85	88	23948m	0.586 ppbv	
41) Tetrahydrofuran	6.05	42	44576	0.352 ppbv	90
42) Bromodichloromethane	7.78	83	135782	0.565 ppbv #	98
43) Methyl Methacrylate	8.01	69	54663m	0.446 ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.85	57	291610	0.552	ppbv	93
45) t-1,3-Dichloropropene	9.27	75	47946m	0.406	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	61880m	0.412	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	74403m	0.616	ppbv	
48) Dibromochloromethane	10.29	129	89544m	0.497	ppbv	
49) Bromoform	13.02	173	71692m	0.492	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	164246m	0.487	ppbv	
51) 2-Hexanone	10.14	43	114181m	0.446	ppbv	
52) Tetrachloroethene	11.20	164	54524m	0.513	ppbv	
53) Toluene	9.79	91	134404	0.427	ppbv	97
54) 1,2-Dibromoethane	10.60	107	94443m	0.541	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	88980m	0.621	ppbv	
57) Chlorobenzene	12.13	112	149261	0.620	ppbv	97
58) Ethyl Benzene	12.70	91	196461	0.461	ppbv	92
59) m/p-Xylene	12.98	91	390144m	1.042	ppbv	
60) o-Xylene	13.67	91	194087	0.542	ppbv	99
61) Styrene	13.51	104	86797m	0.391	ppbv	
62) Isopropylbenzene	14.65	105	302950	0.564	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	168010	0.595	ppbv	96
64) n-propylbenzene	15.54	120	69758	0.528	ppbv	73
65) tert-Butylbenzene	16.74	119	246387m	0.537	ppbv	
66) Benzyl Chloride	16.98	91	56752m	0.455	ppbv	
67) sec-Butylbenzene	17.28	105	366453	0.553	ppbv	100
69) p-Isopropyltoluene	17.64	119	254211	0.497	ppbv	96
70) n-Butylbenzene	18.54	91	264550	0.482	ppbv	98
71) 2-Chlorotoluene	15.44	91	208520	0.507	ppbv	100
72) 4-Ethyltoluene	15.83	105	198846m	0.499	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	200905m	0.520	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	221456m	0.562	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	121495	0.568	ppbv	93
76) 1,4-Dichlorobenzene	17.12	146	108419	0.488	ppbv	89
77) 1,2-Dichlorobenzene	17.81	146	124536m	0.586	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	108783m	0.627	ppbv	
79) Naphthalene	22.19	128	78001m	0.334	ppbv	
80) Naphthalene,2-methyl-	25.09	142	6857m	0.158	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	62035m	0.435	ppbv	

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

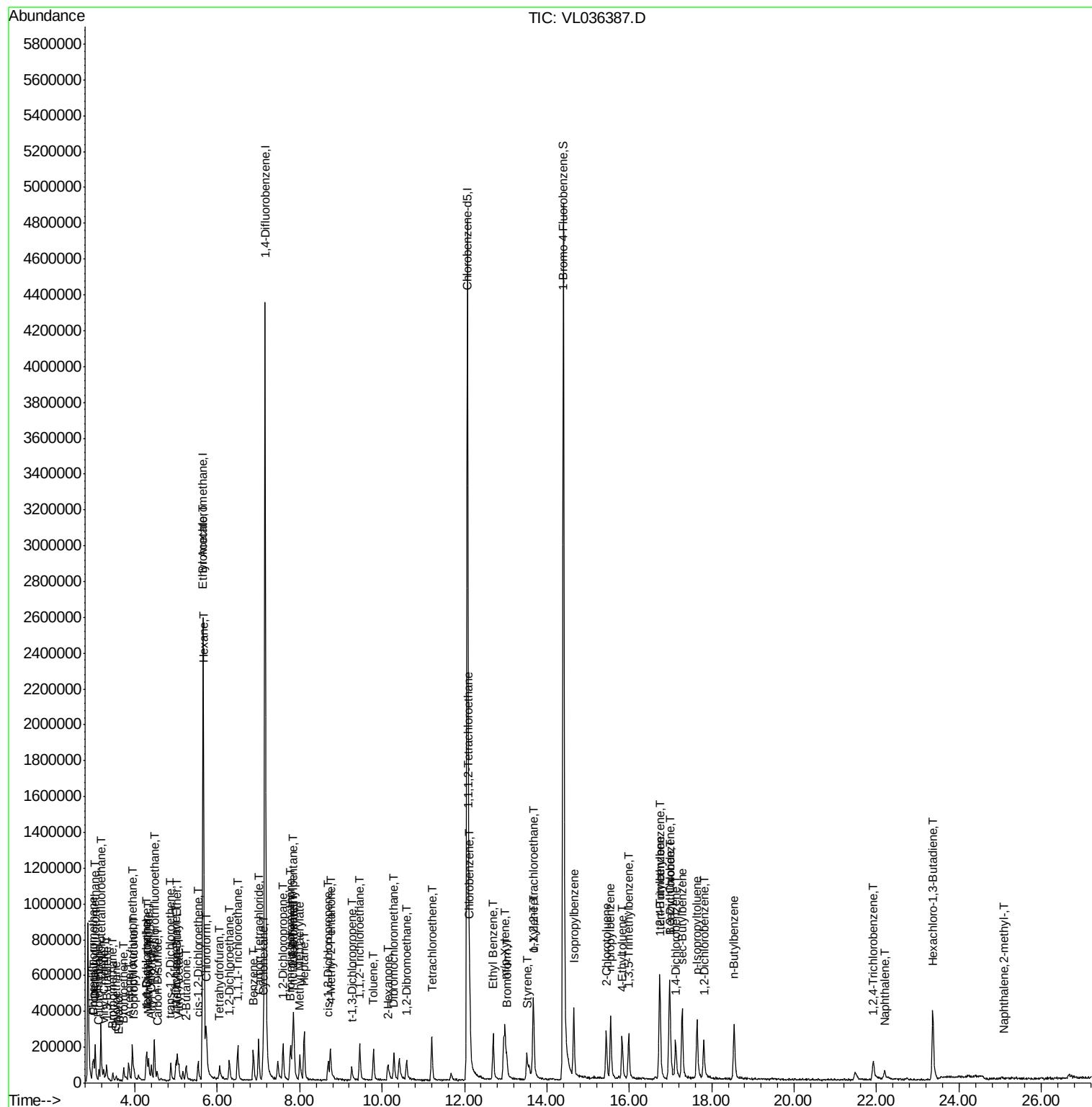
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Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

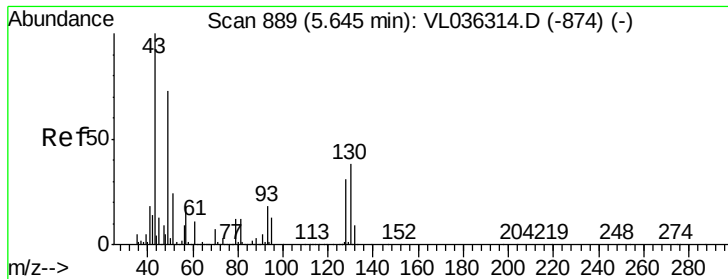
Instrument :
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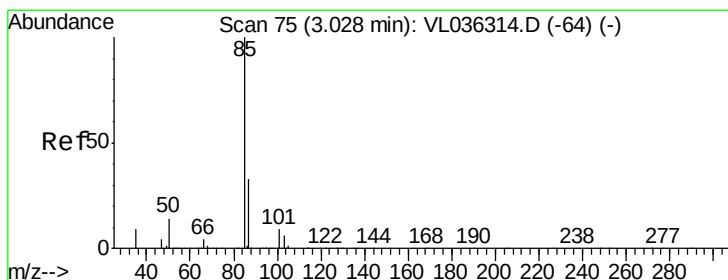
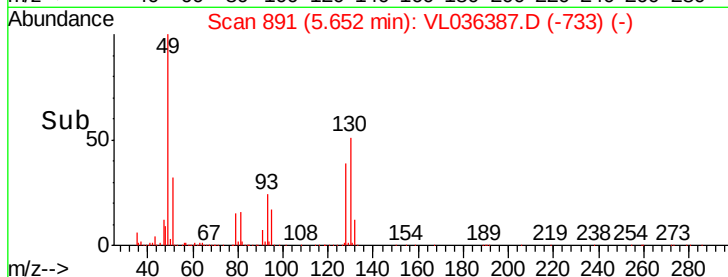
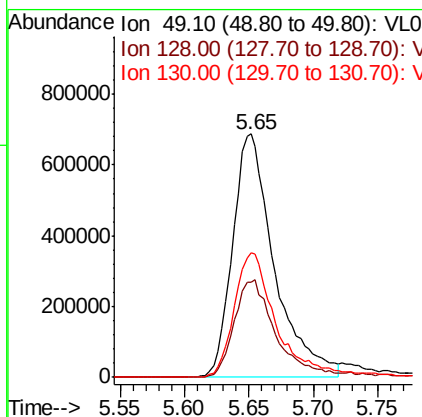
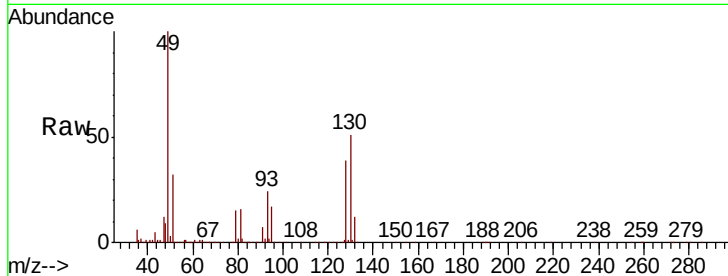
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion: 49 Resp: 1549244
Ion Ratio Lower Upper
49 100
128 42.2 20.8 62.5
130 53.4 26.7 80.1

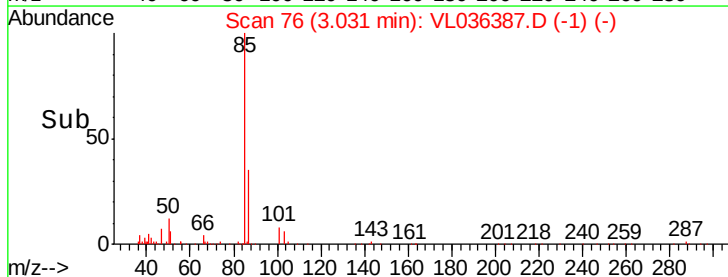
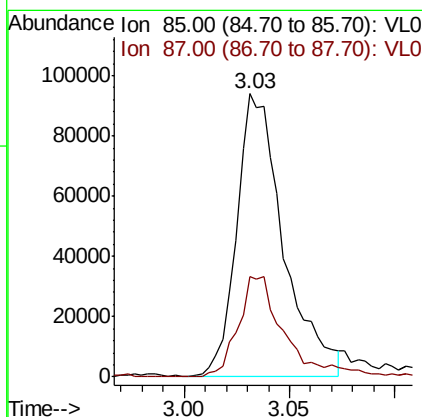
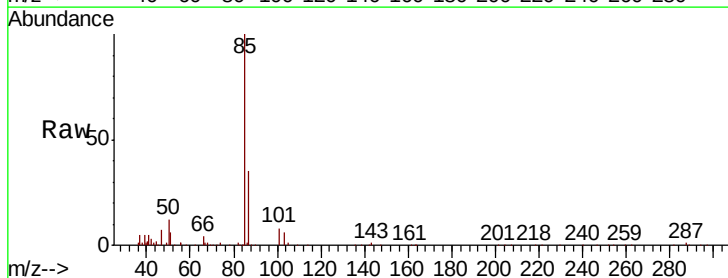
Manual Integrations
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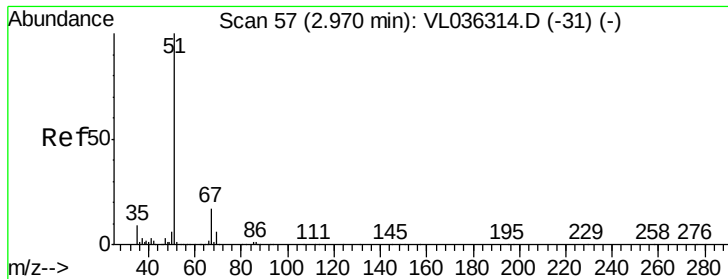
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#2
Dichlorodifluoromethane
Concen: 0.629 ppbv
RT: 3.03 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion: 85 Resp: 145509
Ion Ratio Lower Upper
85 100
87 35.3 26.5 39.7





#3

Chlorodifluoromethane

Concen: 0.646 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion: 51 Resp: 124438

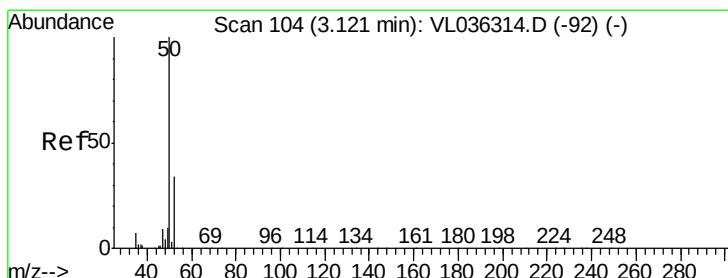
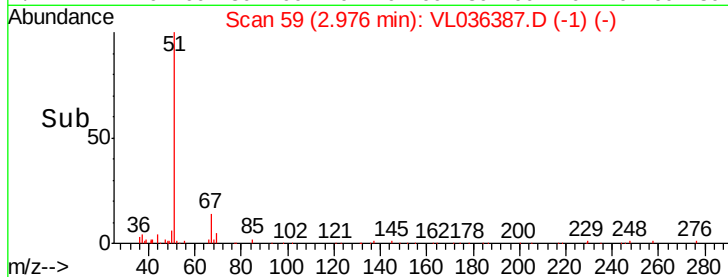
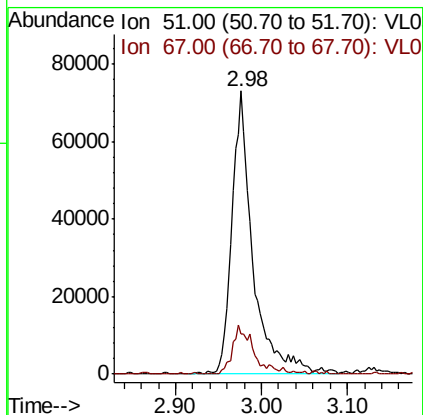
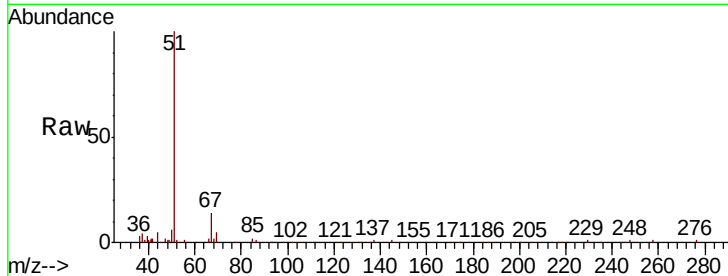
Ion Ratio Lower Upper

51 100

67 17.6 14.7 22.1

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#4

Chloromethane

Concen: 0.578 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.01 min

Lab File: VL036387.D

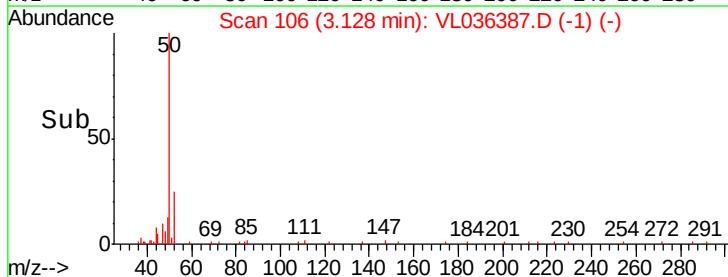
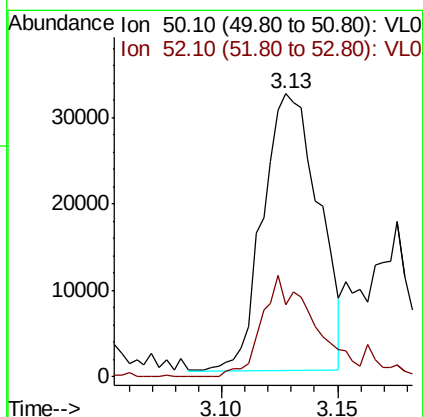
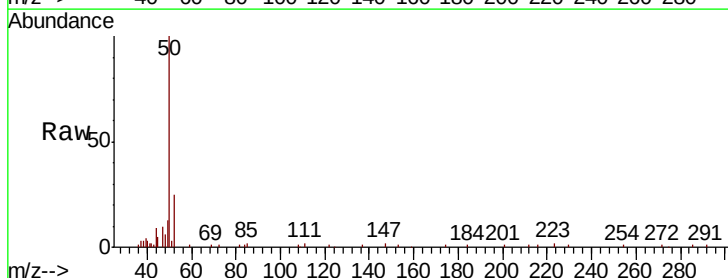
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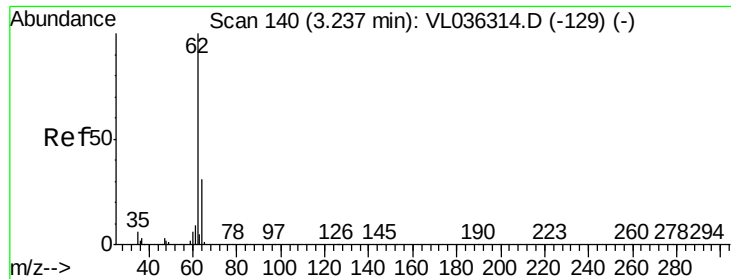
Tgt Ion: 50 Resp: 53738

Ion Ratio Lower Upper

50 100

52 26.0 27.0 40.4#





#5

Vinyl Chloride

Concen: 0.481 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion: 62 Resp: 41641

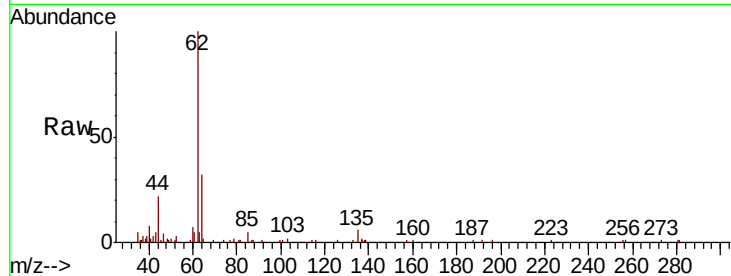
Ion Ratio Lower Upper

62 100

64 34.4 24.4 36.6

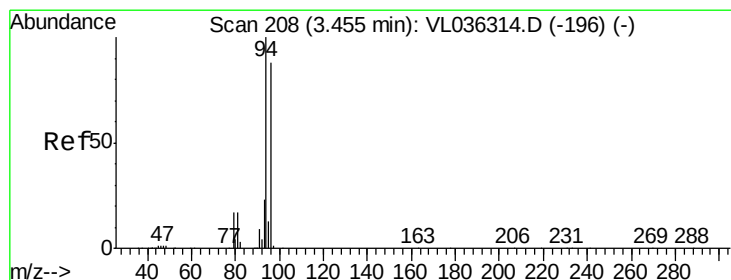
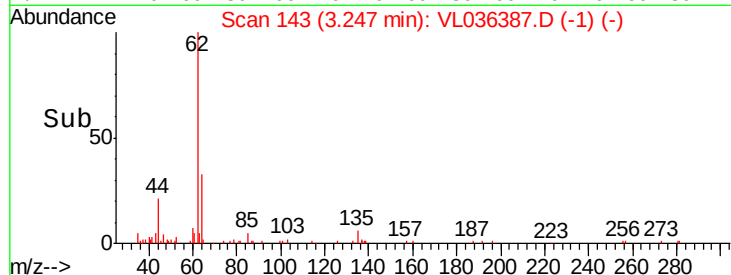
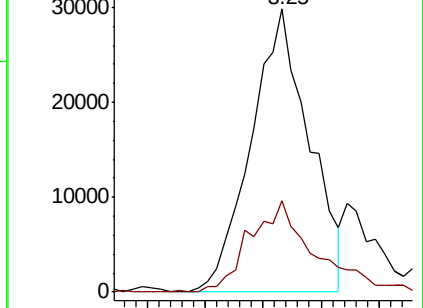
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.572 ppbv m

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036387.D

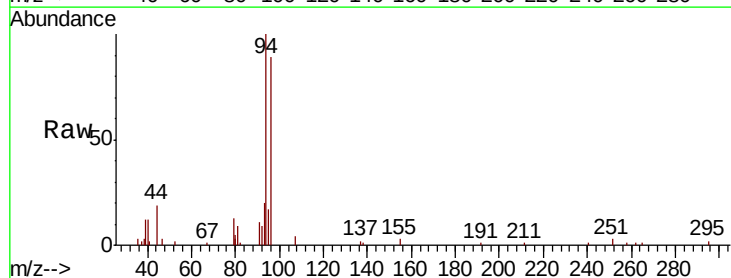
Acq: 25 Feb 2021 18:53

Tgt Ion: 94 Resp: 29462

Ion Ratio Lower Upper

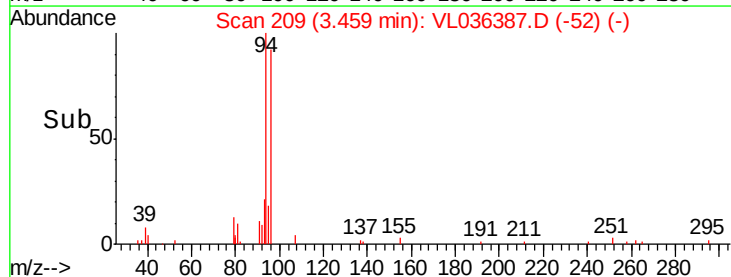
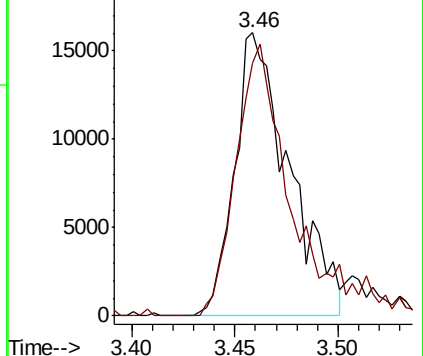
94 100

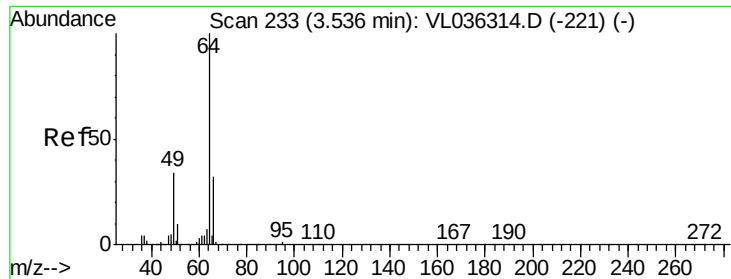
96 89.3 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.577 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion: 64 Resp: 17746

Ion Ratio Lower Upper

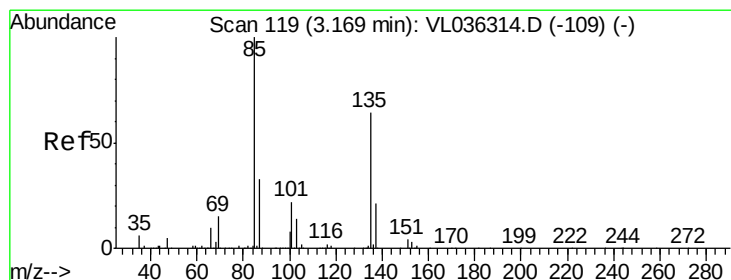
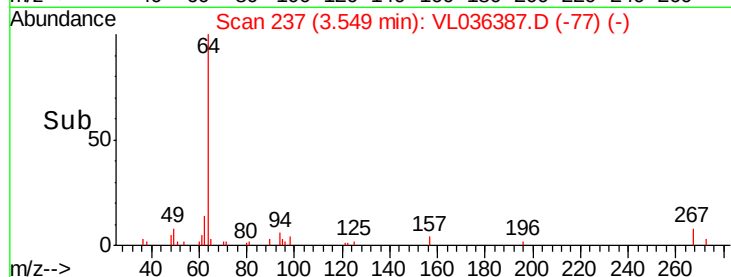
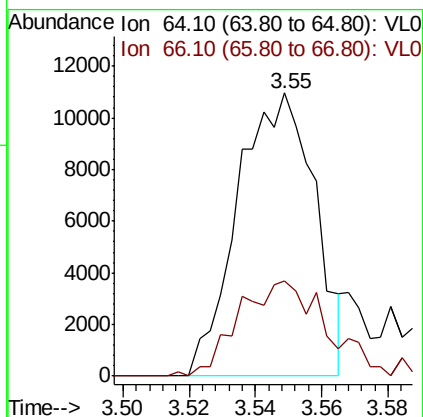
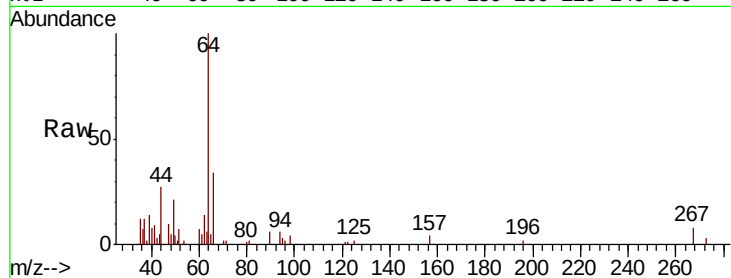
64 100

66 33.5 25.6 38.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 0.636 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036387.D

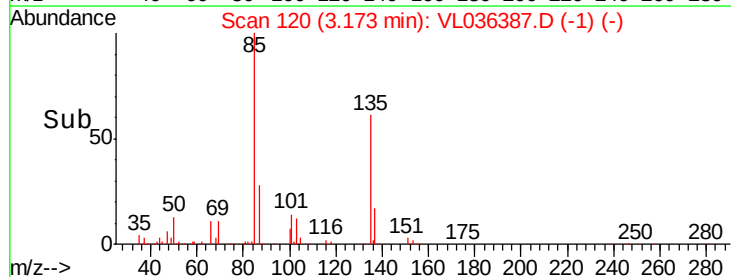
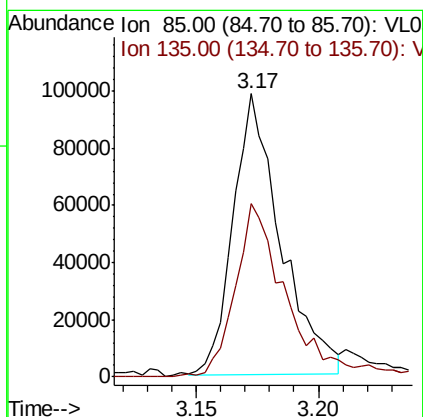
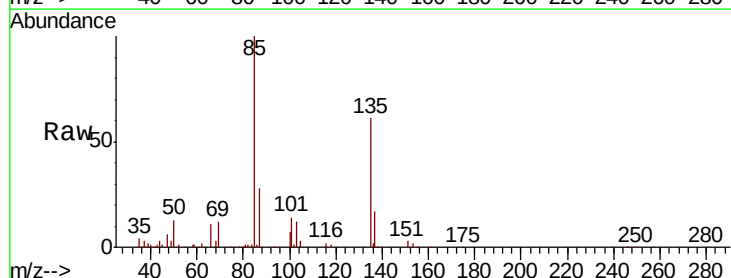
Acq: 25 Feb 2021 18:53

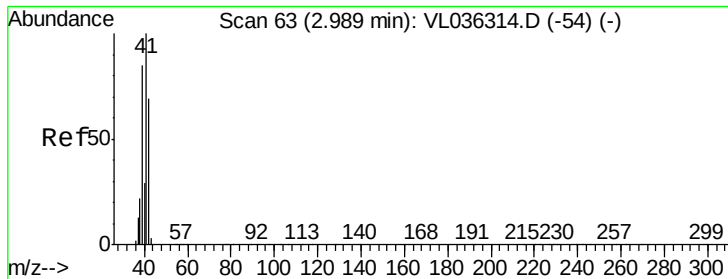
Tgt Ion: 85 Resp: 133739

Ion Ratio Lower Upper

85 100

135 67.7 51.1 76.7





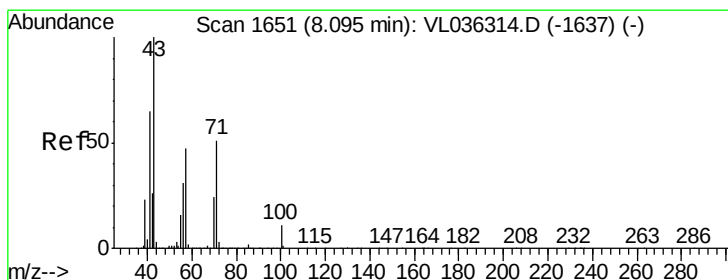
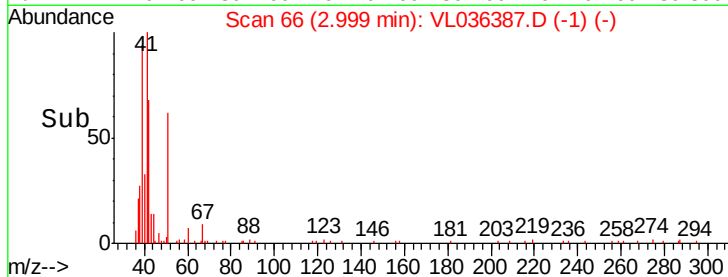
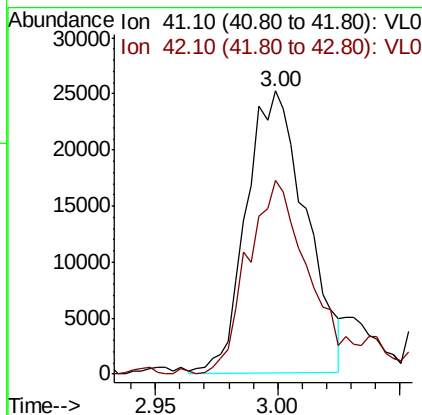
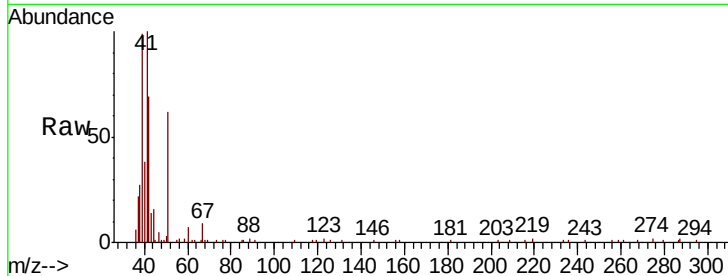
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 Propene
 Concen: 0.593 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
41	100		
42	83.6	56.2	84.2

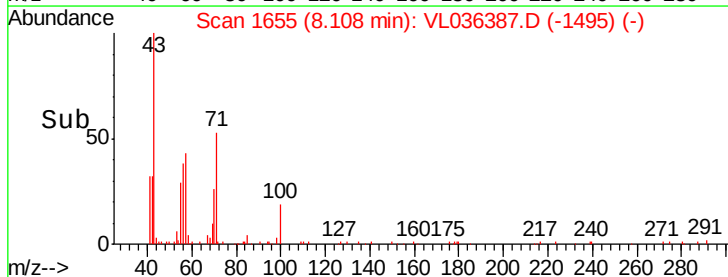
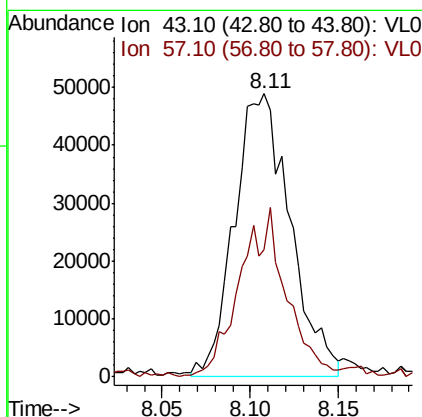
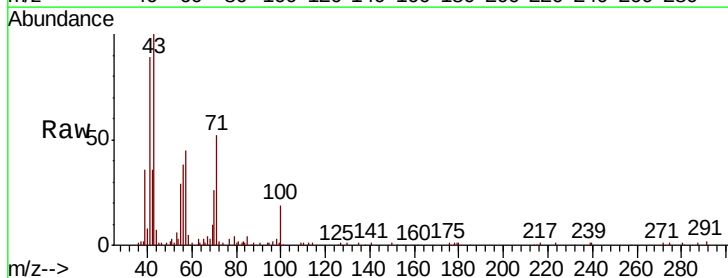
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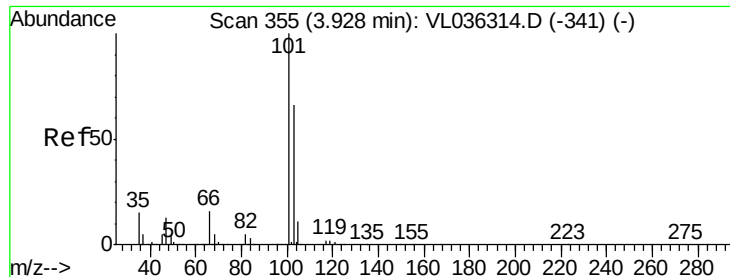
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#10
 Heptane
 Concen: 0.508 ppbv m
 RT: 8.11 min Scan# 1655
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.2





#11

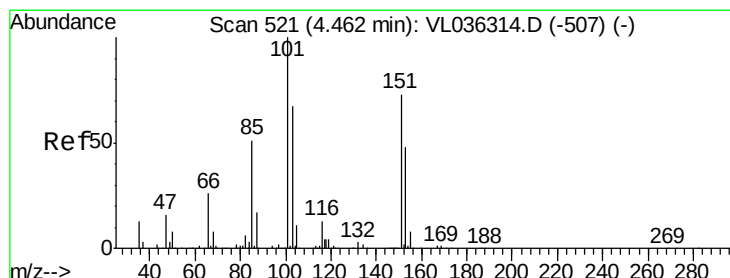
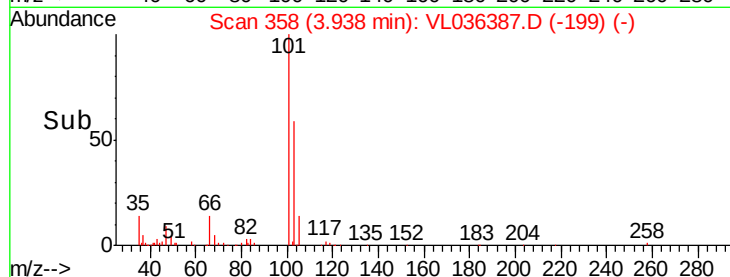
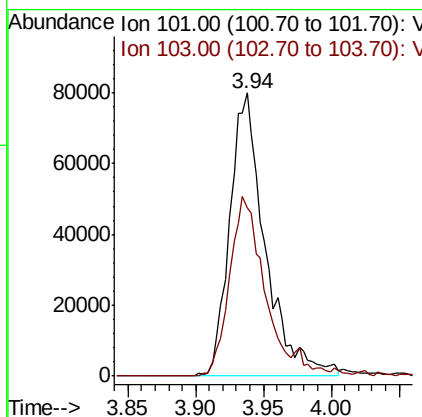
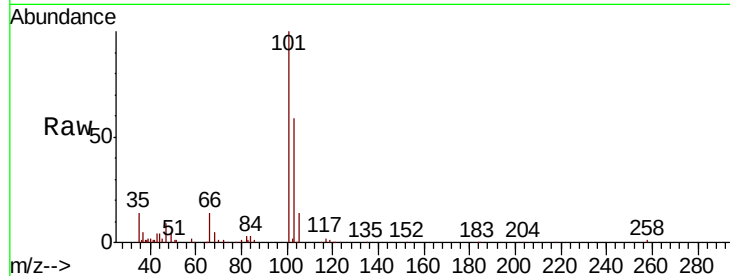
Trichlorofluoromethane
 Concen: 0.642 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.3	52.9	79.3

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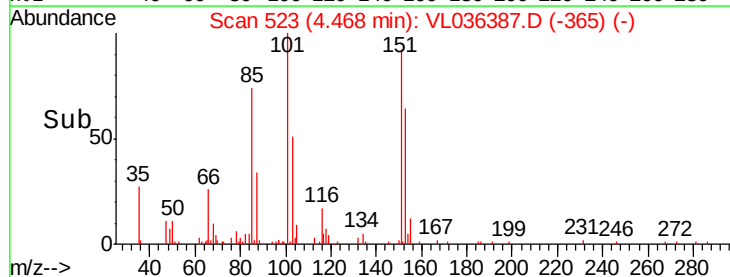
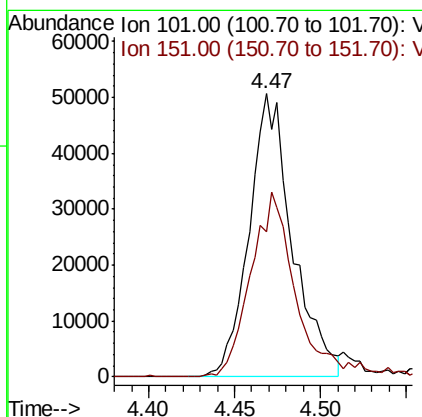
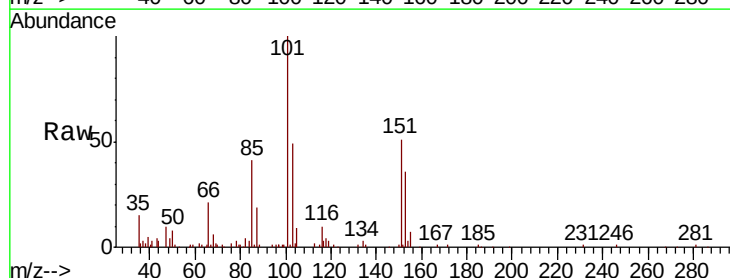
MMDadoda
 3/1/2021 10:02:57 AM

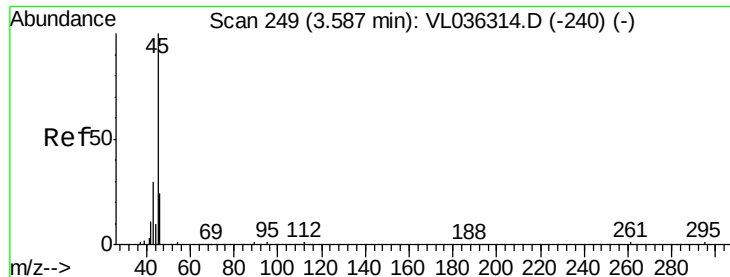


#12

1,1,2-Trichlorotrifluoroethane
 Concen: 0.630 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
101	100		
151	69.7	58.2	87.4





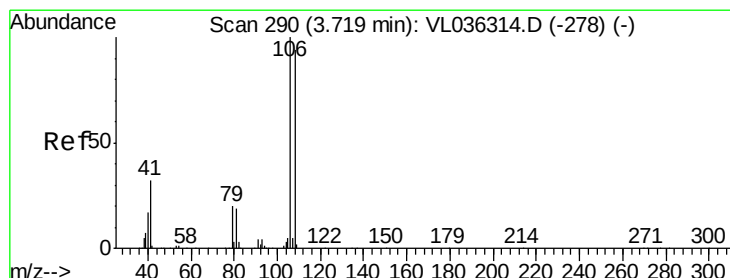
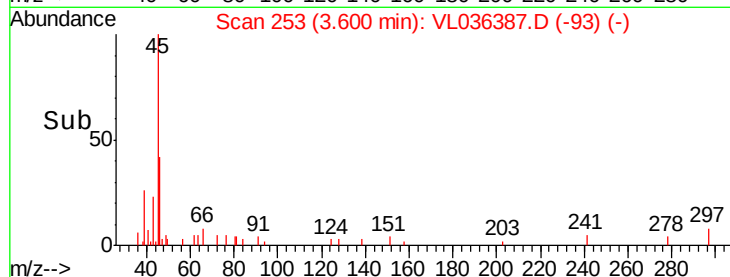
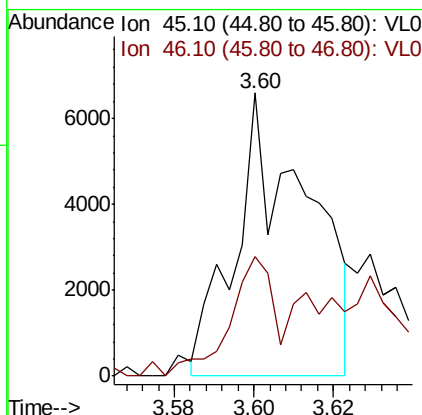
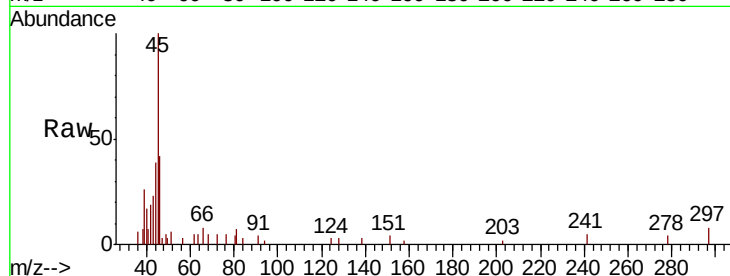
#13
Ethanol
Concen: 0.620 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.7	70.7#

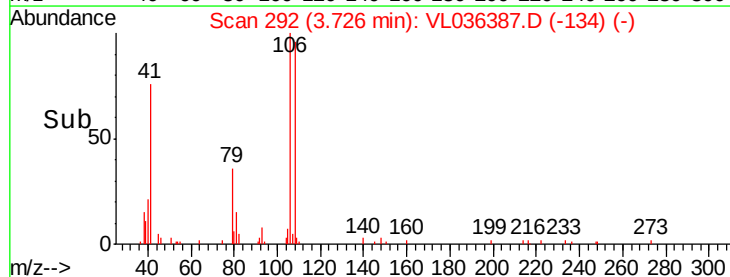
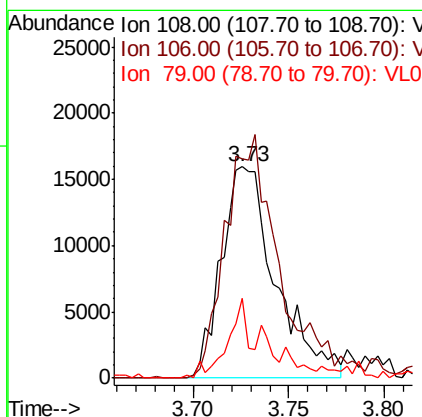
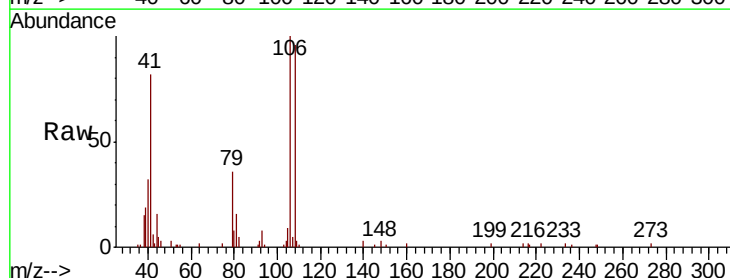
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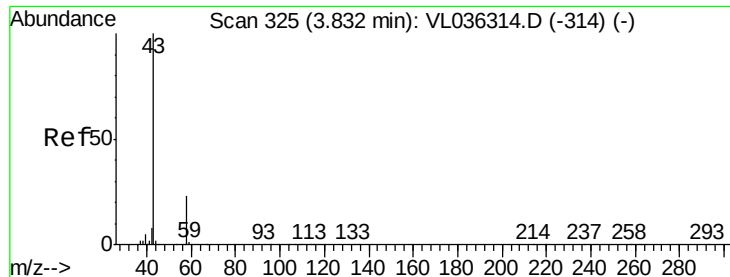
MMDadoda
3/1/2021 10:02:57 AM



#14
Bromoethene
Concen: 0.540 ppbv m
RT: 3.73 min Scan# 292
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
108	100		
106	120.3	89.8	134.8
79	28.8	17.1	25.7#





#15

Acetone

Concen: 0.621 ppbv m

RT: 3.85 min Scan# 330

Delta R.T. 0.02 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion: 43 Resp: 117561

Ion Ratio Lower Upper

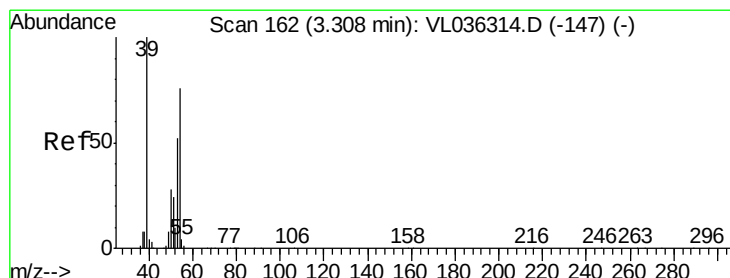
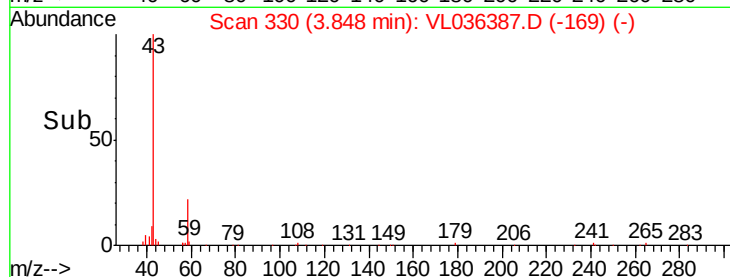
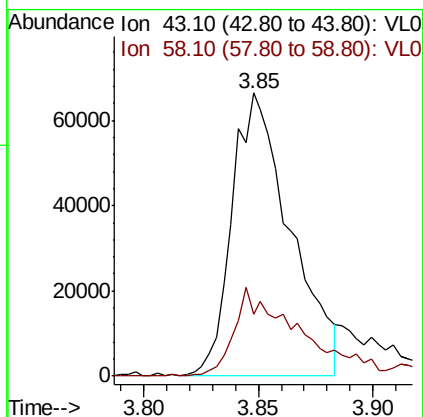
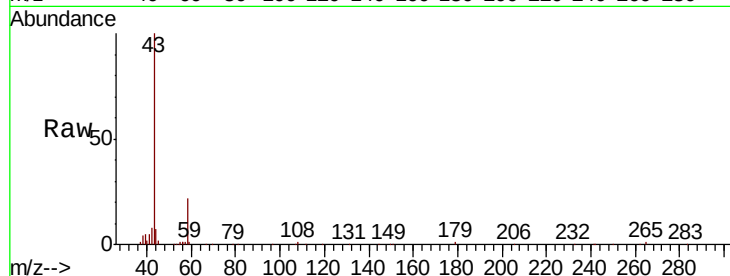
43 100

58 37.8 20.3 30.5#

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3/1/2021 10:02:57 AM



#16

1,3-Butadiene

Concen: 0.476 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.01 min

Lab File: VL036387.D

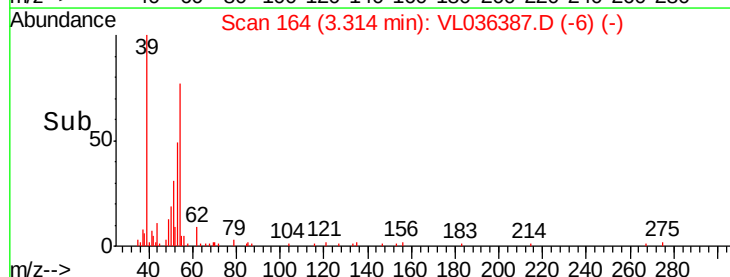
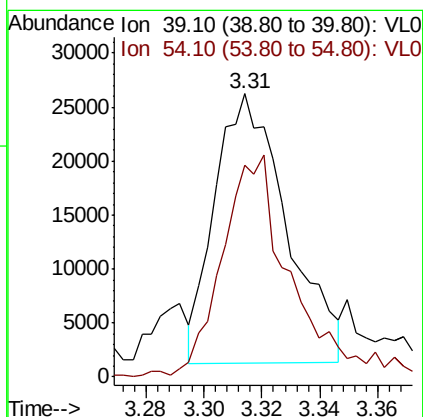
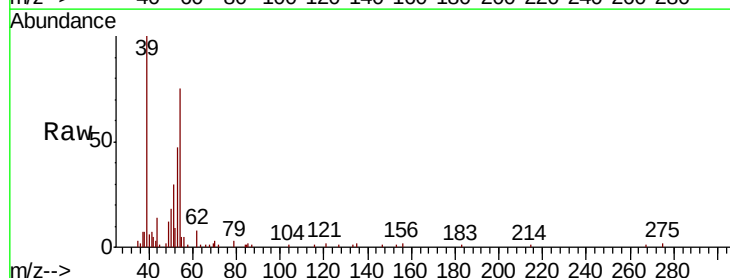
Acq: 25 Feb 2021 18:53

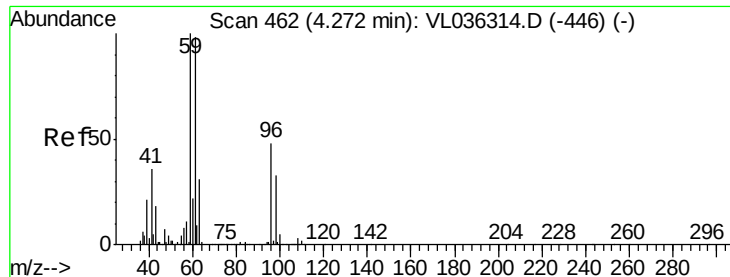
Tgt Ion: 39 Resp: 43091

Ion Ratio Lower Upper

39 100

54 81.2 64.4 96.6





#17

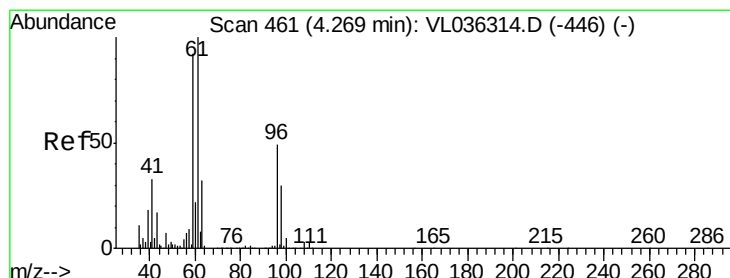
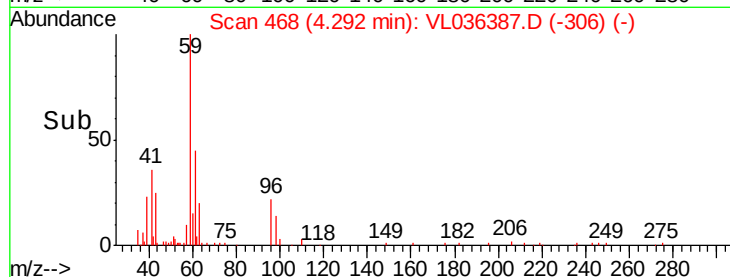
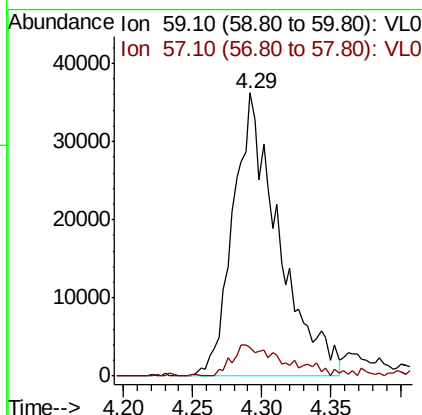
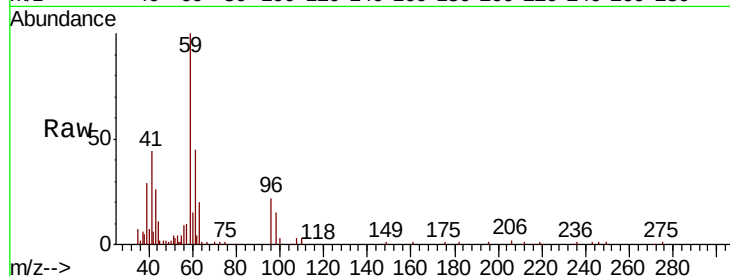
tert-Butyl alcohol
Concen: 0.562 ppbv m
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	14.7	9.0	13.4#

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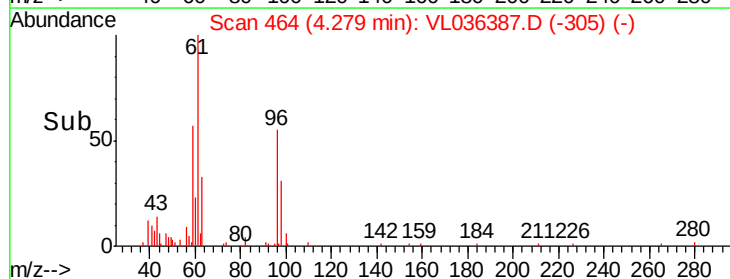
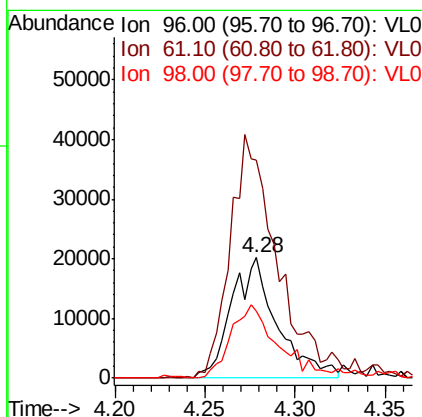
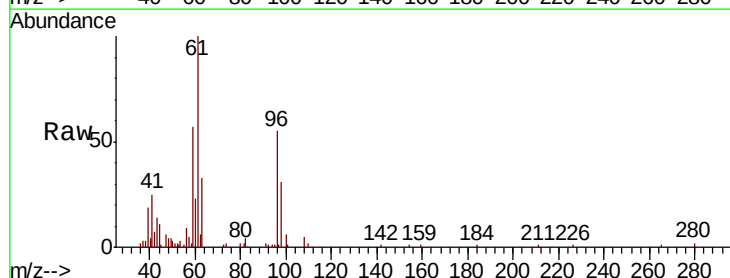
MMDadoda
3/1/2021 10:02:57 AM

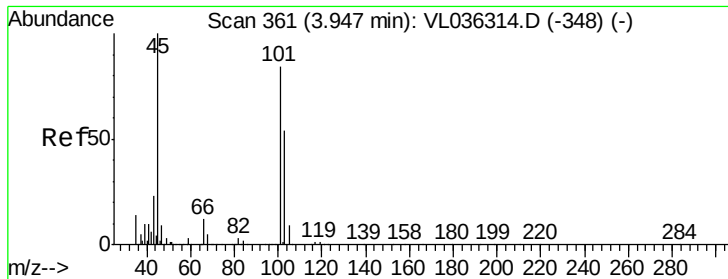


#18

1,1-Dichloroethene
Concen: 0.563 ppbv m
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	181.4	162.5	243.7
98	98	56.2	48.5	72.7





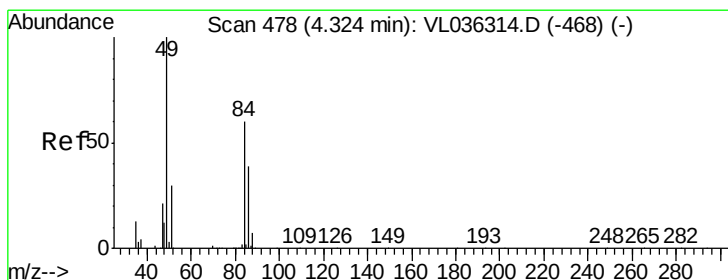
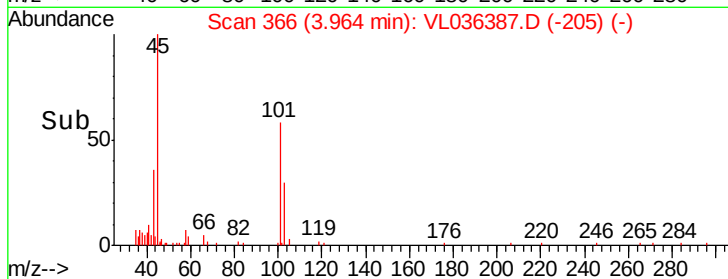
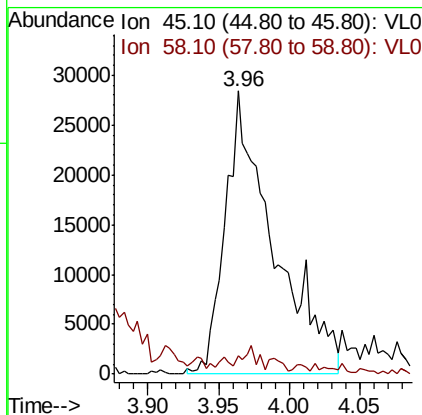
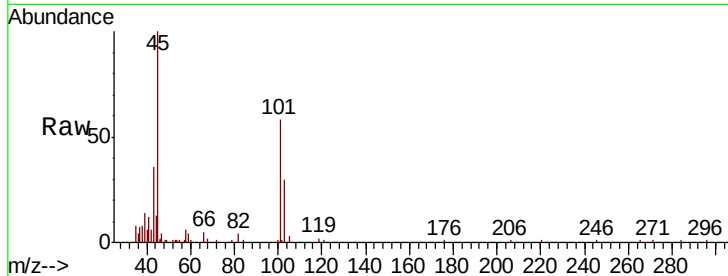
#19
Isopropyl Alcohol
Concen: 0.644 ppbv m
RT: 3.96 min Scan# 366
Delta R.T. 0.02 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion: 45 Resp: 67537
Ion Ratio Lower Upper
45 100
58 9.6 1.9 2.9#

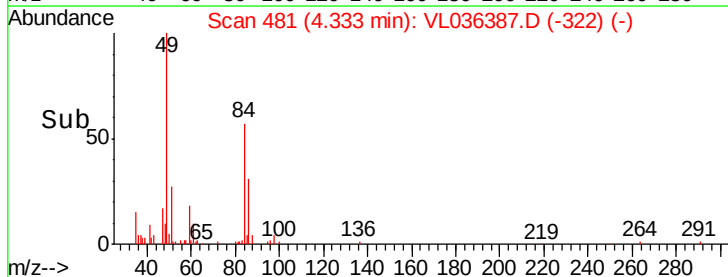
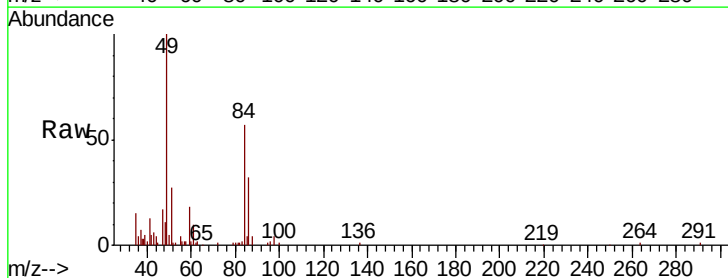
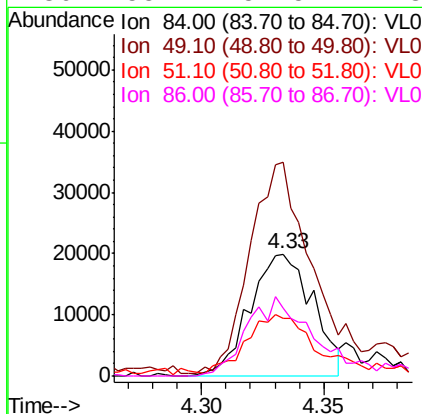
Manual Integrations
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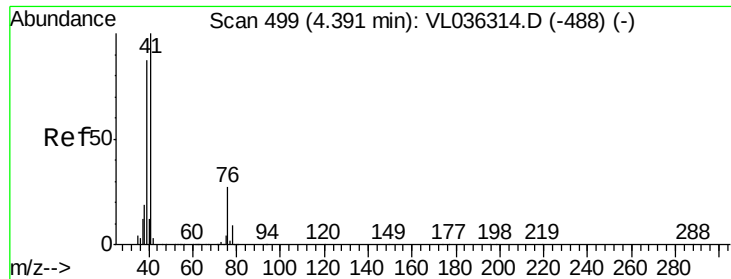
MMDadoda
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#20
Methylene Chloride
Concen: 0.583 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion: 84 Resp: 35632
Ion Ratio Lower Upper
84 100
49 172.8 133.8 200.8
51 43.7 41.4 62.0
86 55.7 51.5 77.3





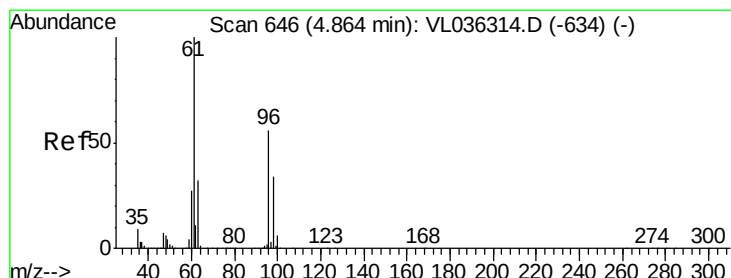
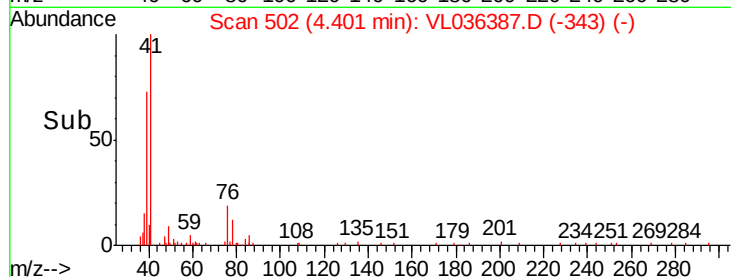
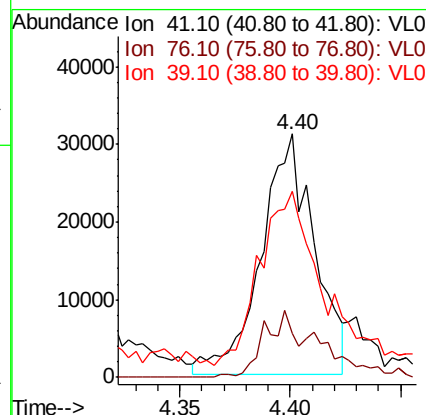
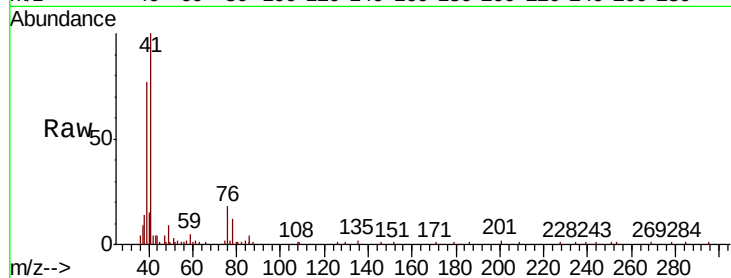
#21
Allvl Chloride
Concen: 0.491 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.9	22.0	33.0
39	98.2	70.2	105.2

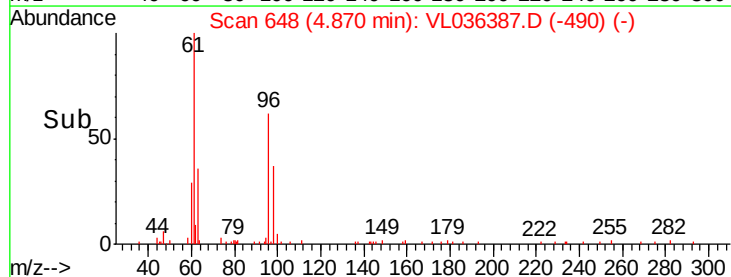
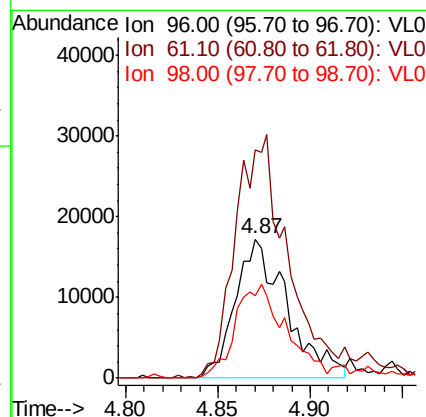
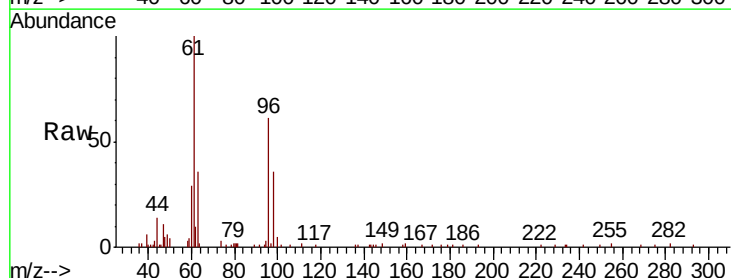
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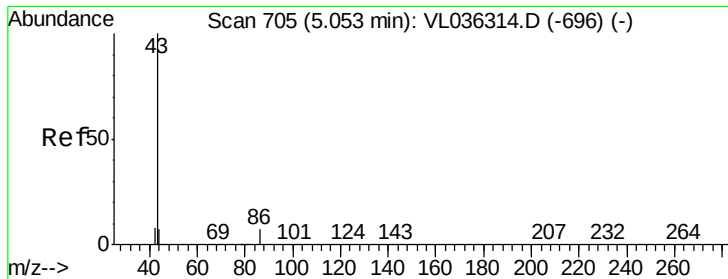
MMDadoda
3/1/2021 10:02:57 AM



#22
trans-1,2-Dichloroethene
Concen: 0.581 ppbv m
RT: 4.87 min Scan# 648
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	143.7	215.5
98	59.4	48.5	72.7





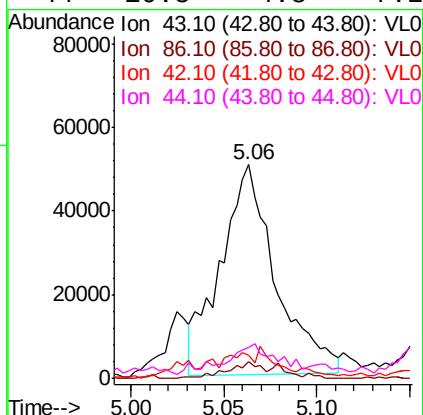
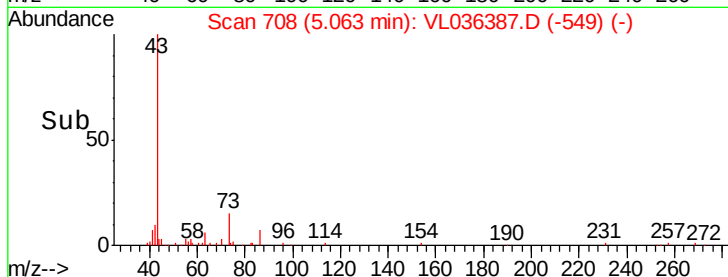
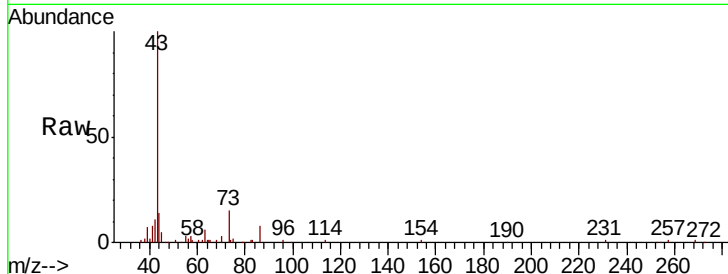
#23
 Vinyl Acetate
 Concen: 0.469 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

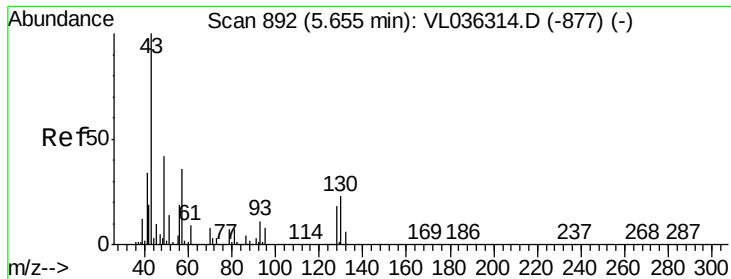
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.4	4.8	7.2#
42	10.3	7.4	11.0
44	10.5	4.8	7.2#

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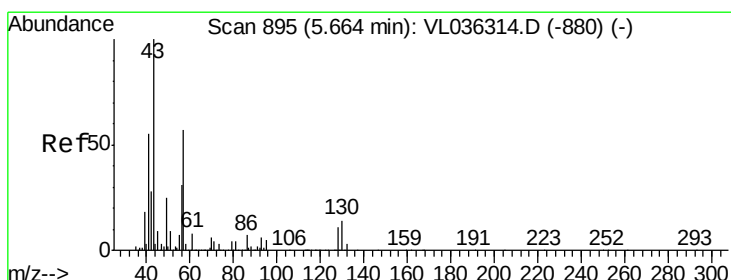
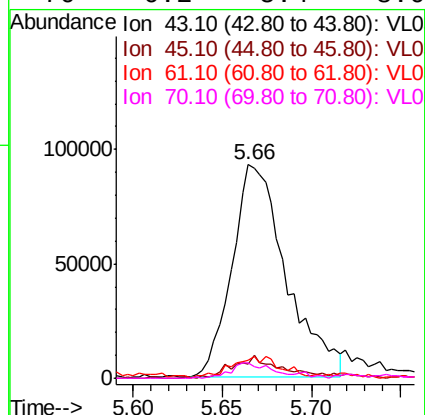
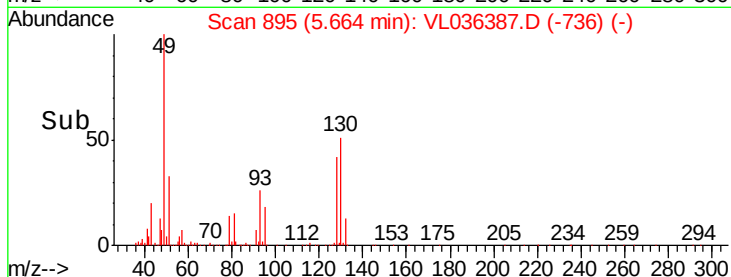
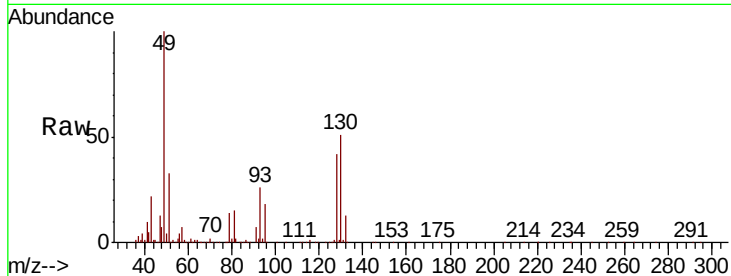
#25
Ethyl Acetate
Concen: 0.540 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	11.0	8.3	12.5		
61	11.0	7.3	10.9		
70	6.2	5.4	8.0		

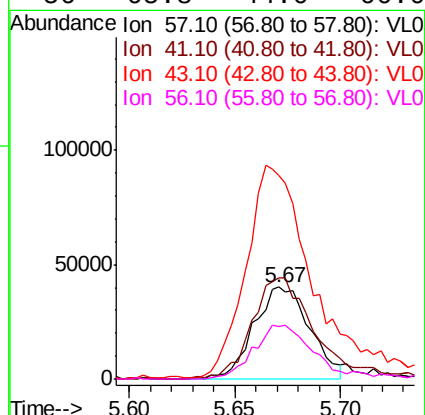
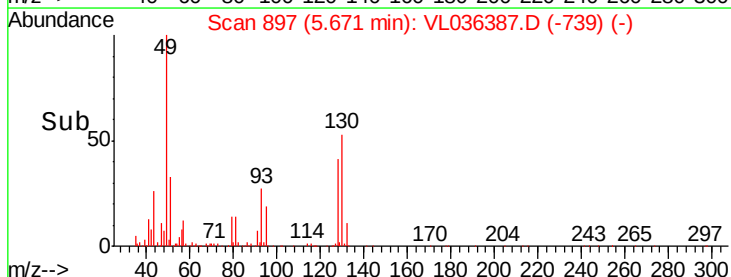
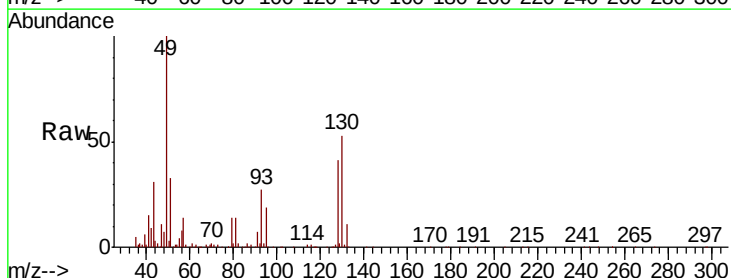
Manual Integrations
APPROVED

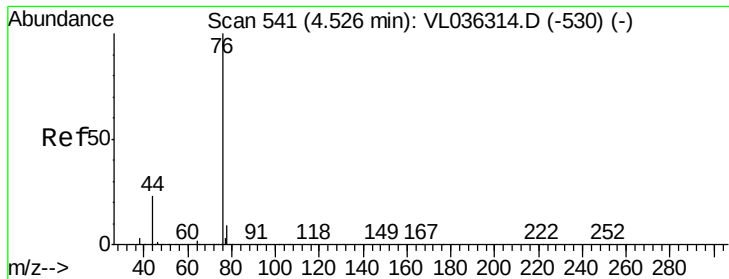
MMDadoda
3/1/2021 10:02:57 AM



#26
Hexane
Concen: 0.494 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	130.2	81.7	122.5		
43	295.0	199.1	298.7		
56	65.8	44.0	66.0		





#27

Carbon Disulfide

Concen: 0.495 ppbv m

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

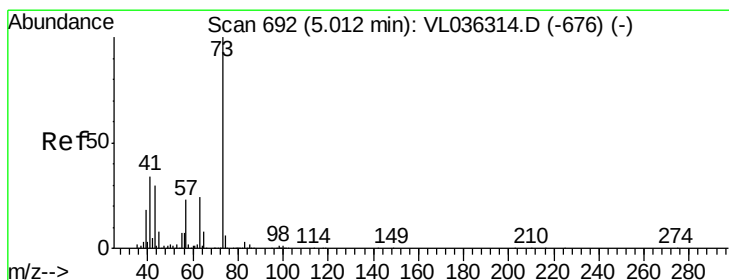
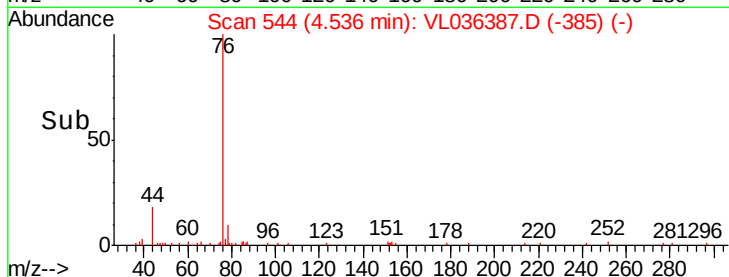
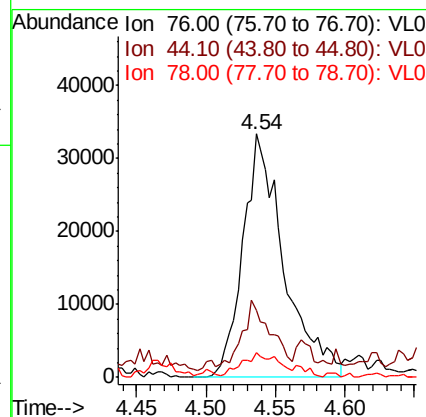
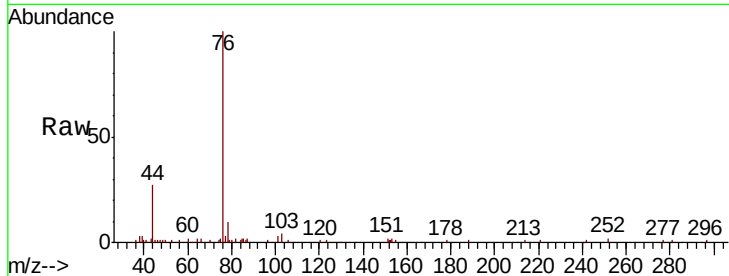
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion:	76	Resp:	68398
Ion Ratio	Lower	Upper	
76	100		
44	28.0	18.4	27.6#
78	11.8	8.0	12.0

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3/1/2021 10:02:57 AM



#28

Methyl tert-Butyl Ether

Concen: 0.497 ppbv

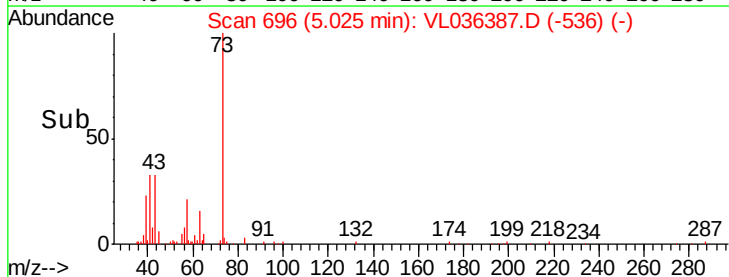
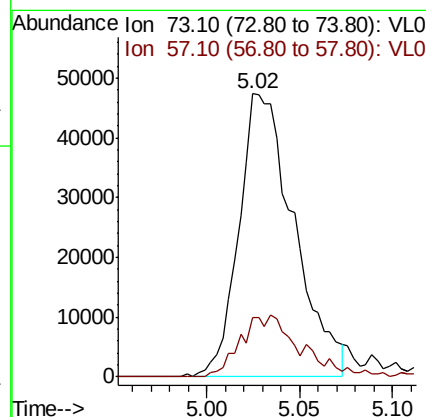
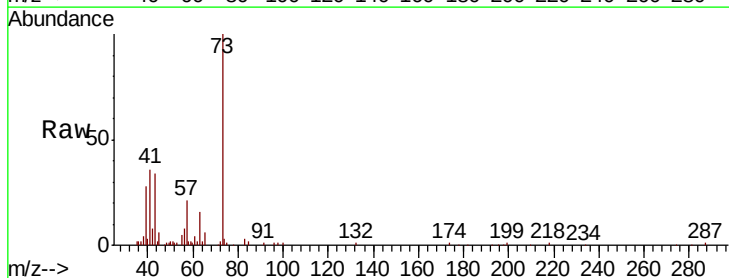
RT: 5.02 min Scan# 696

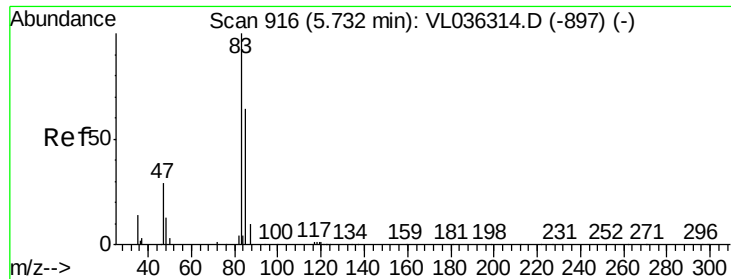
Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Tgt Ion:	73	Resp:	97559
Ion Ratio	Lower	Upper	
73	100		
57	24.6	19.2	28.8





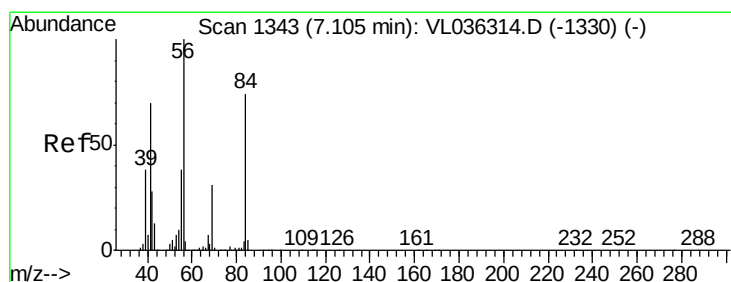
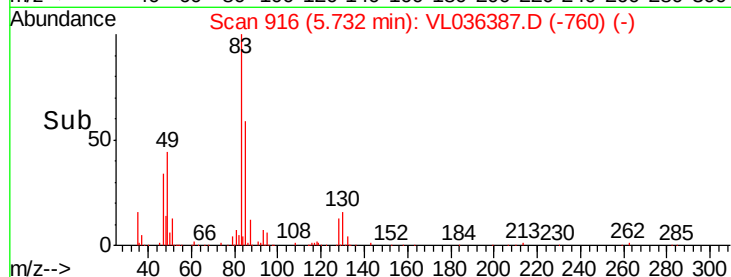
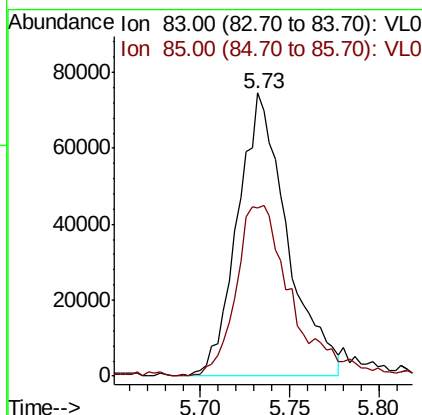
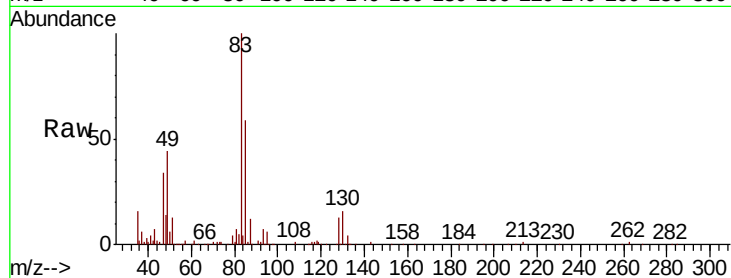
#29
Chloroform
Concen: 0.599 ppbv
RT: 5.73 min Scan# 916
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	83	Resp	144872
Ion Ratio	Lower	Upper	
83	100		
85	59.2	51.4	77.2

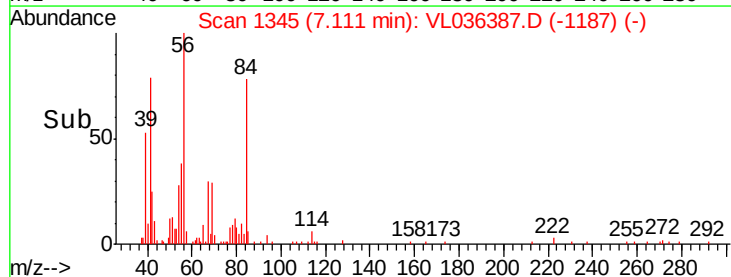
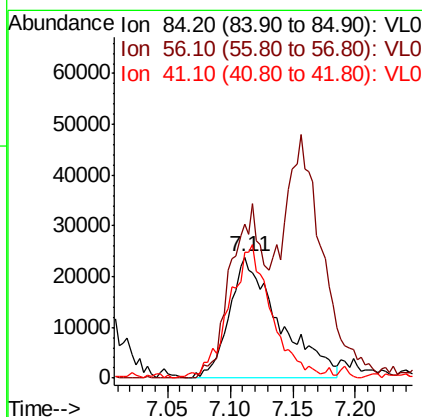
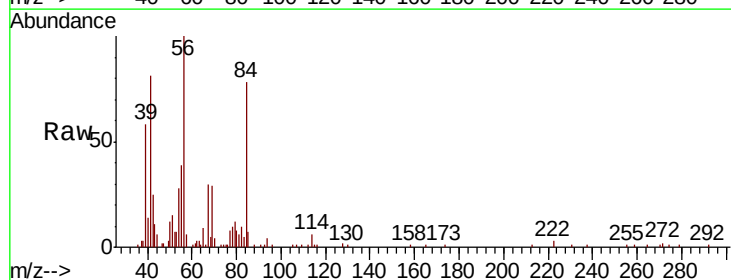
Manual Integrations
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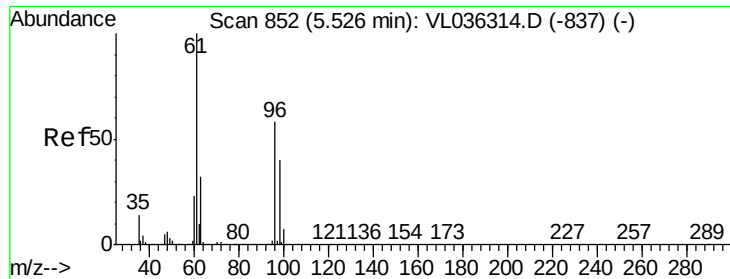
MMDadoda
3/1/2021 10:02:57 AM



#30
Cyclohexane
Concen: 0.532 ppbv m
RT: 7.11 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	84	Resp	66522
Ion Ratio	Lower	Upper	
84	100		
56	101.0	120.2	180.4#
41	93.7	79.7	119.5





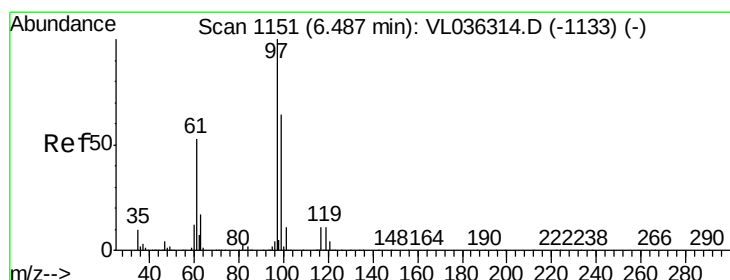
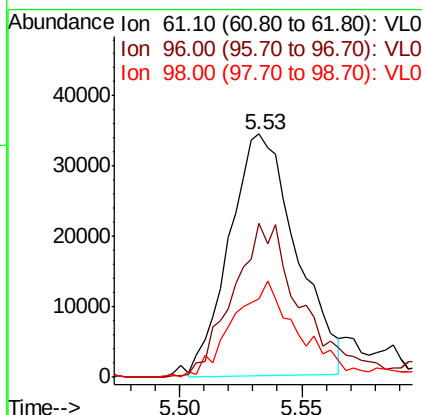
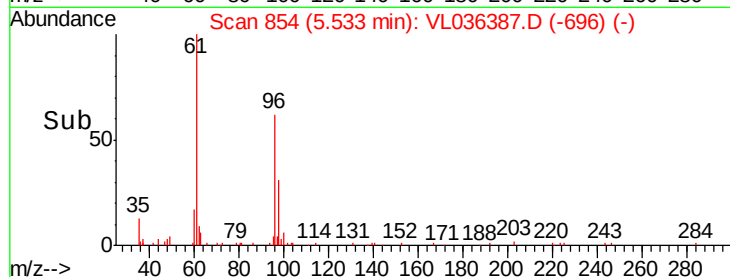
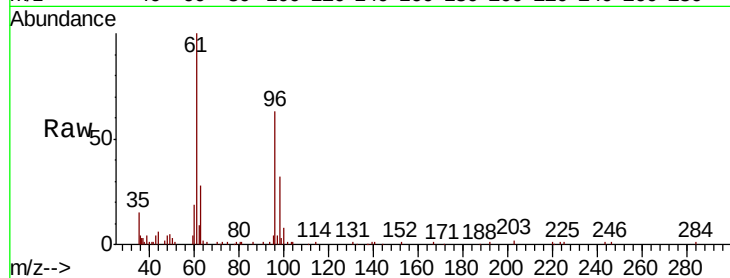
#31
 cis-1,2-Dichloroethene
 Concen: 0.440 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.1	46.0	69.0
98	30.7	31.9	47.9#

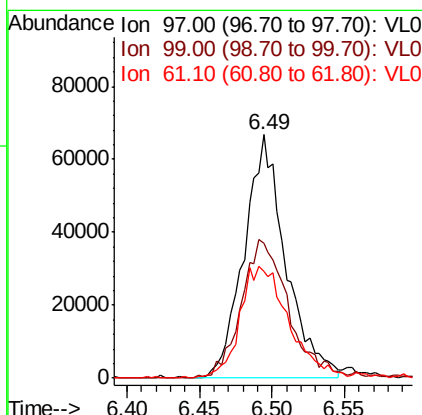
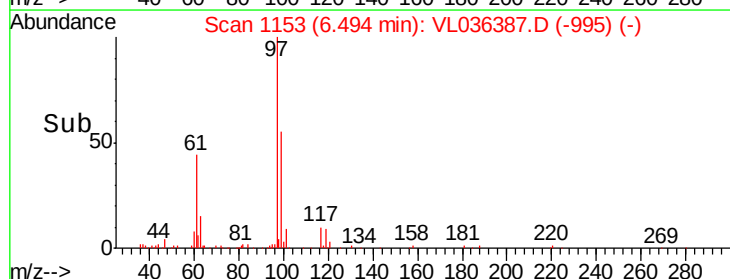
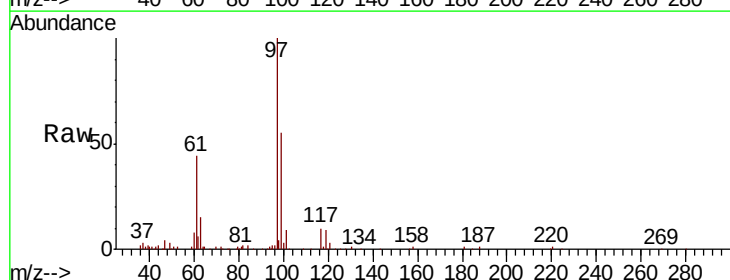
Manual Integrations
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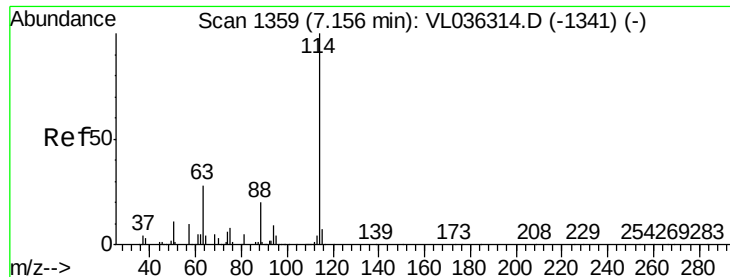
MMDadoda
 3/1/2021 10:02:57 AM



#32
 1,1,1-Trichloroethane
 Concen: 0.590 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.4
61	55.3	43.3	64.9





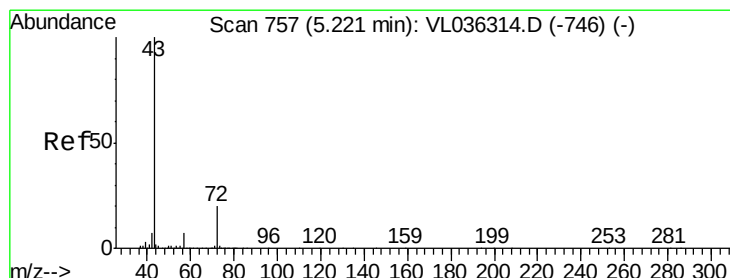
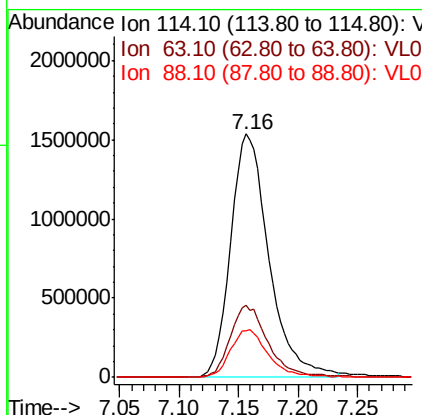
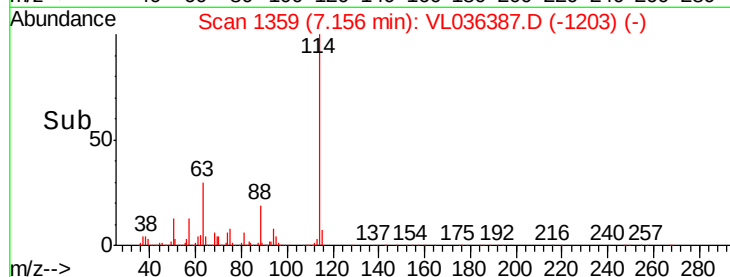
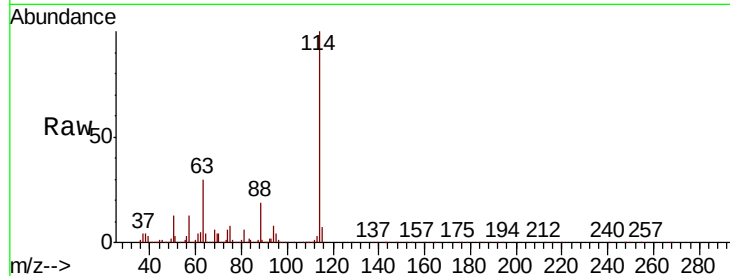
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.7	24.1	36.1
88	19.8	16.0	24.0

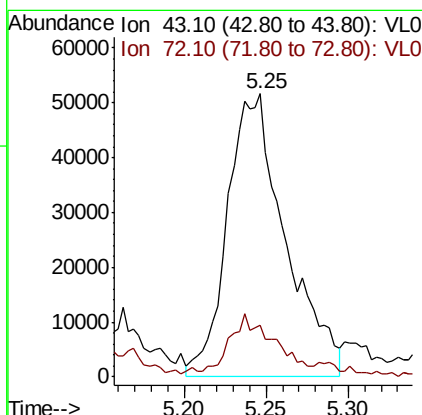
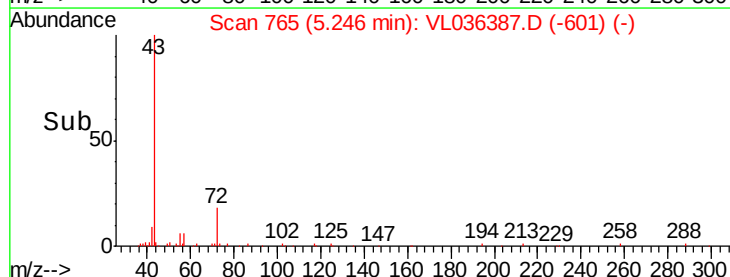
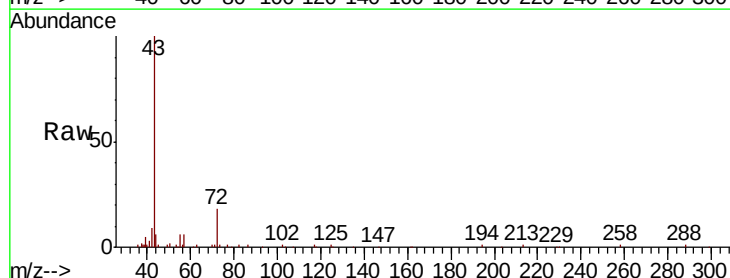
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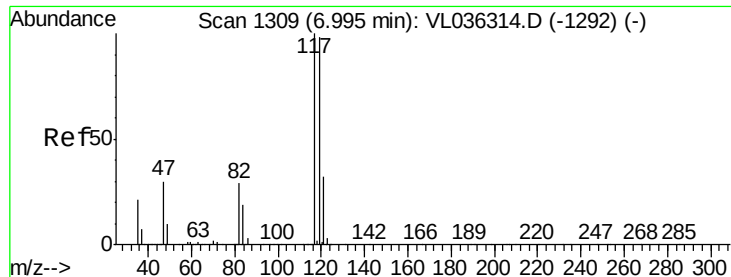
MMDadoda
 3/1/2021 10:02:57 AM



#34
 2-Butanone
 Concen: 0.559 ppbv m
 RT: 5.25 min Scan# 765
 Delta R.T. 0.03 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	16.7	25.1





#35

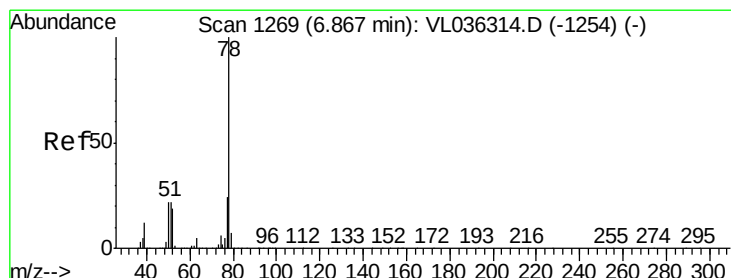
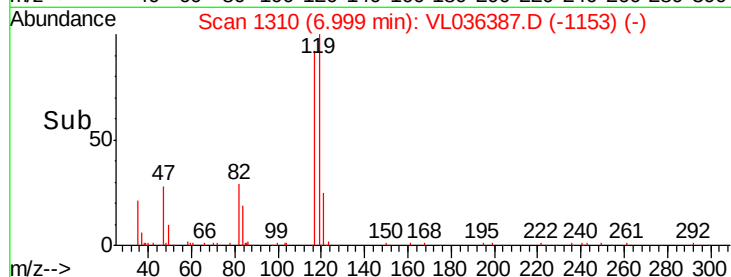
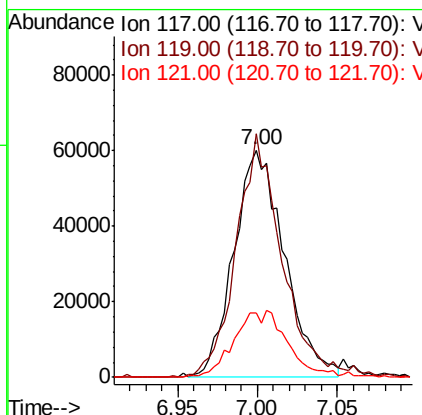
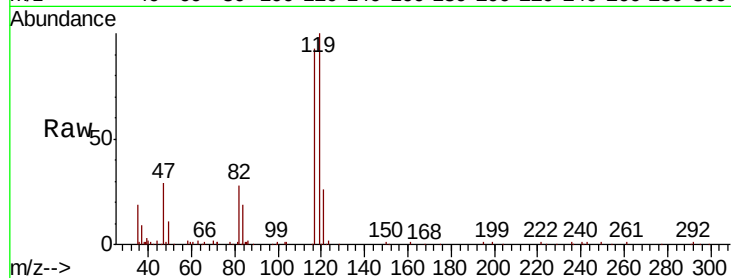
Carbon Tetrachloride
Concen: 0.563 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	106.5	78.1	117.1
121	27.6	25.8	38.8

Manual Integrations
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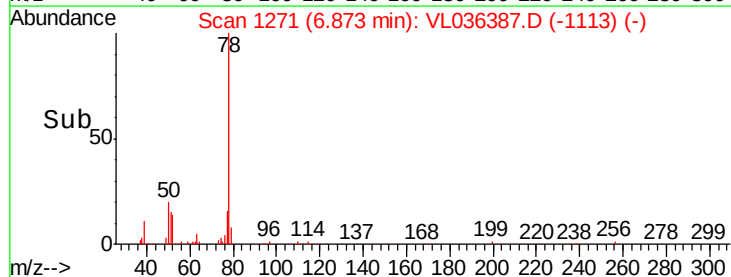
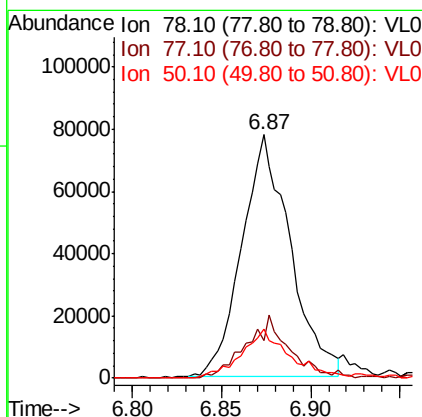
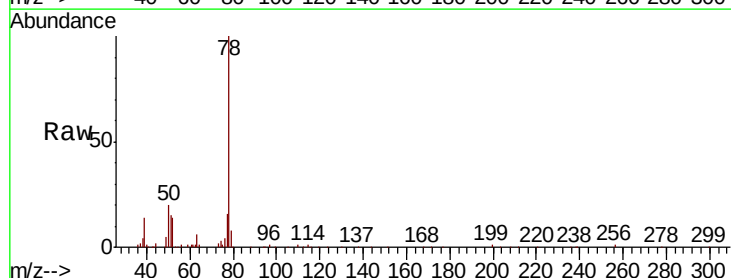
MMDadoda
3/1/2021 10:02:57 AM

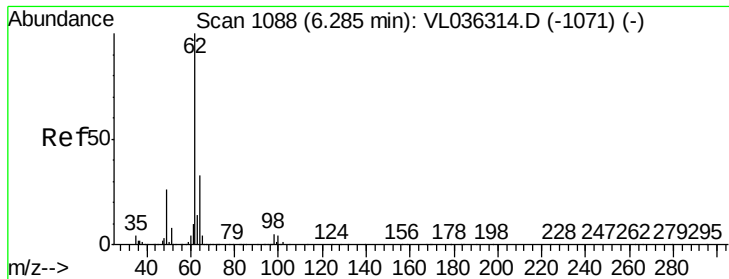


#36

Benzene
Concen: 0.509 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	15.7	18.9	28.3#
50	20.4	17.3	25.9





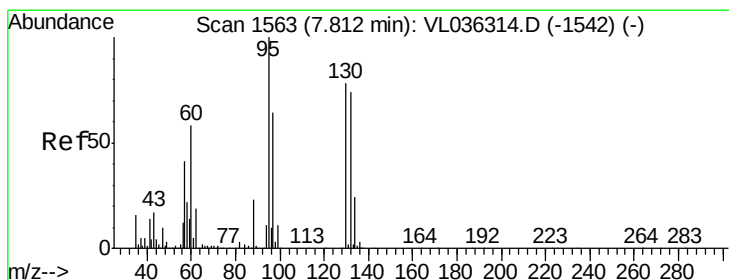
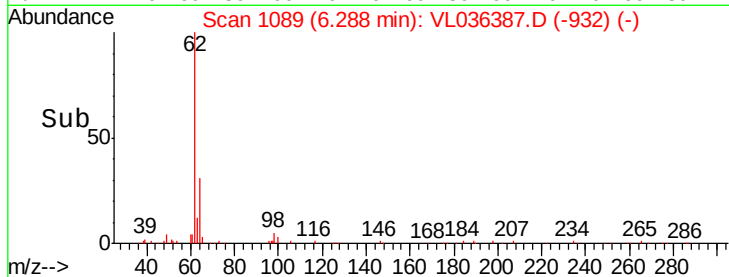
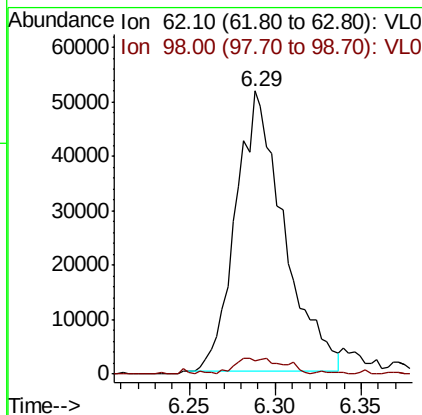
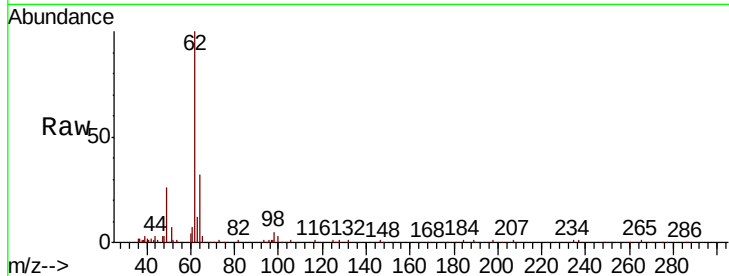
#37
 1,2-Dichloroethane
 Concen: 0.562 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Resp	Lower	Upper
62	100	100933		
98	6.3		4.5	6.7

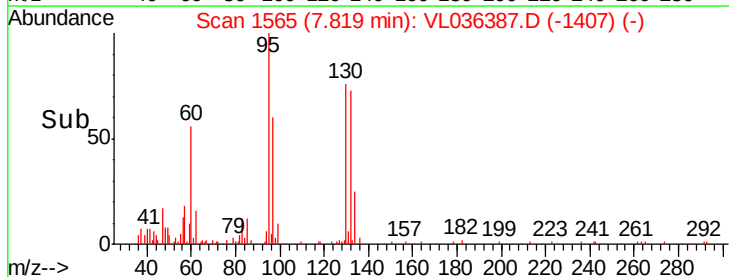
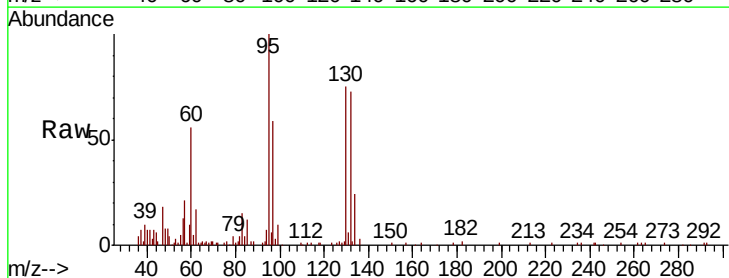
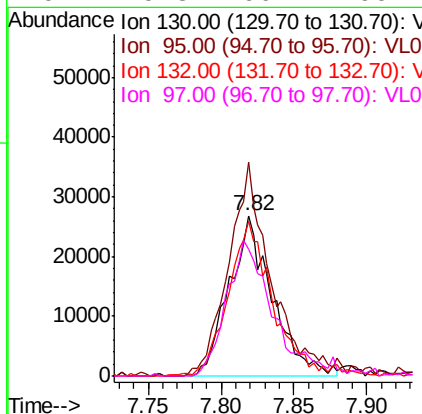
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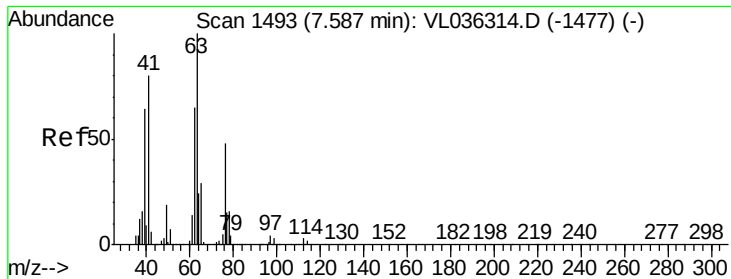
MMDadoda
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#38
 Trichloroethene
 Concen: 0.532 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	55367		
95	133.3		102.8	154.2
132	97.0		75.7	113.5
97	79.3		66.2	99.2





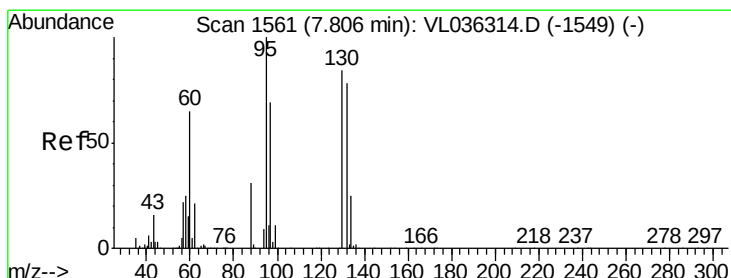
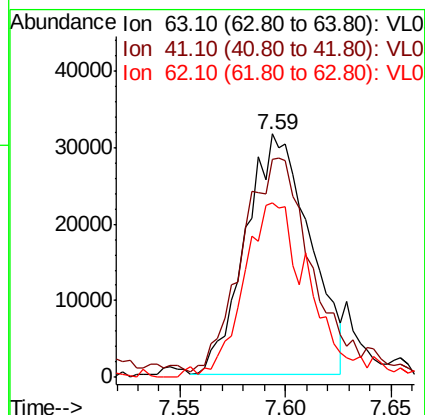
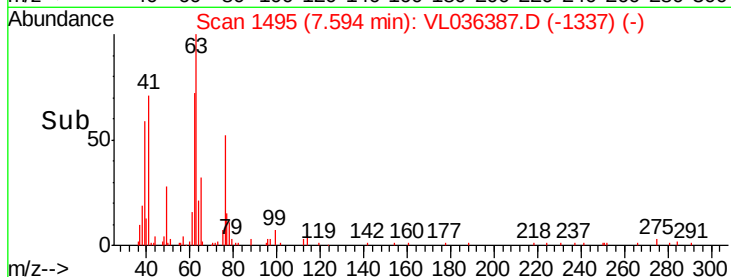
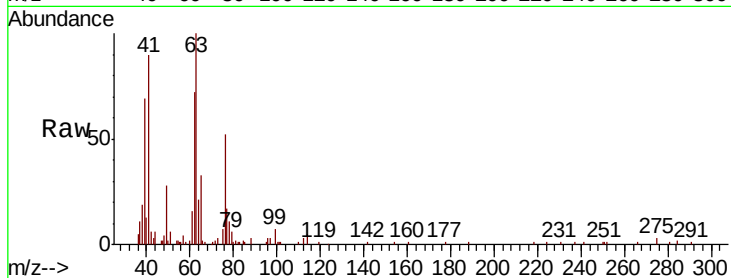
#39
 1,2-Dichloropropane
 Concen: 0.563 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion:	63	Resp:	66467
Ion Ratio	Lower	Upper	
63	100		
41	88.5	63.8	95.6
62	68.5	52.3	78.5

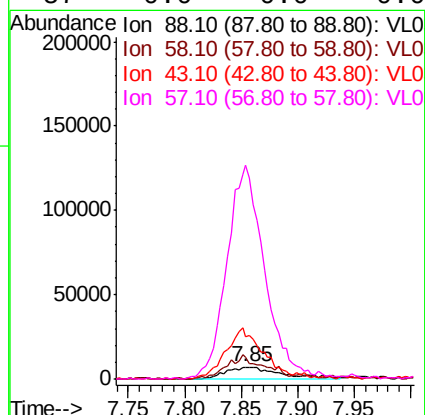
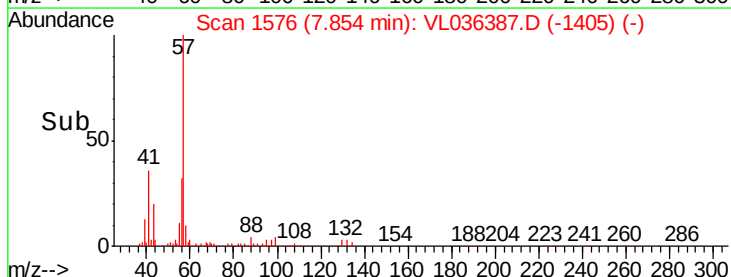
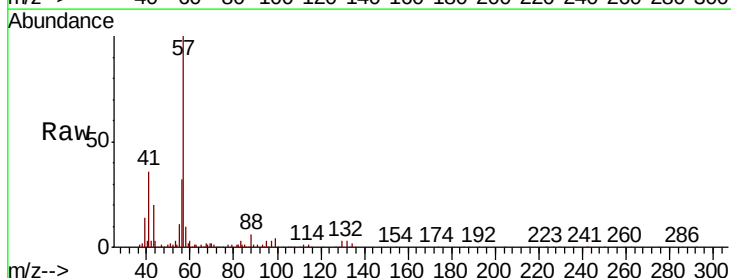
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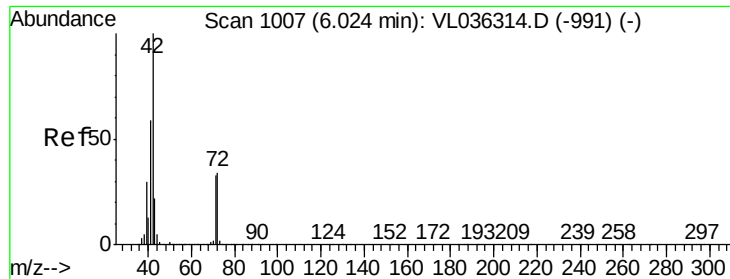
MMDadoda
 3/1/2021 10:02:57 AM



#40
 1,4-Dioxane
 Concen: 0.586 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.05 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion:	88	Resp:	23948
Ion Ratio	Lower	Upper	
88	100		
58	0.0	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





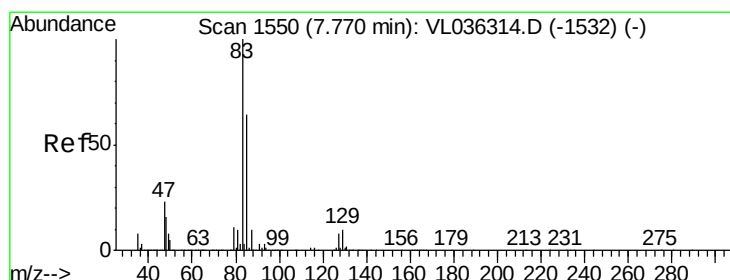
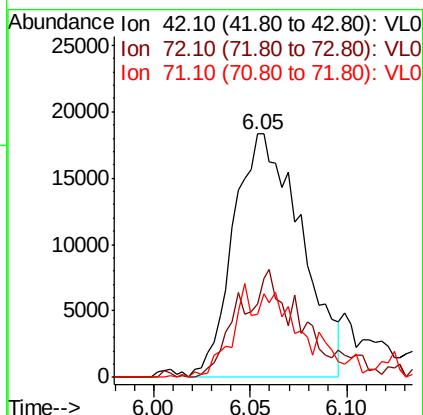
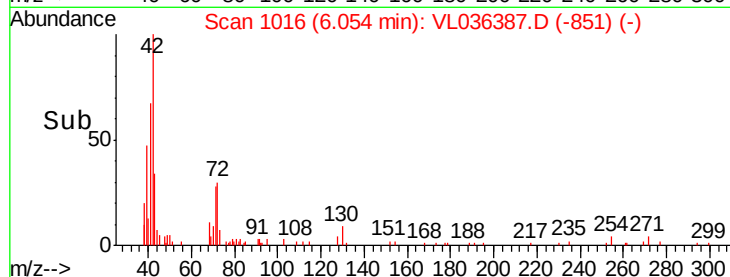
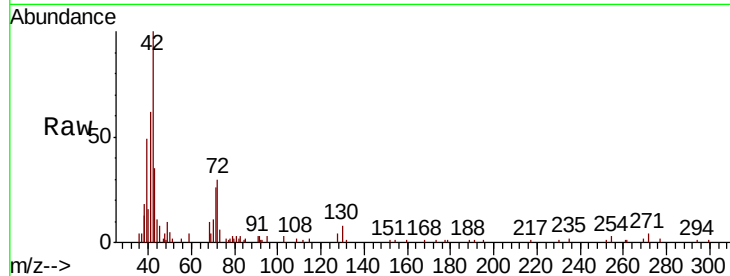
#41
Tetrahydrofuran
Concen: 0.352 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.03 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	29.3	43.9
71	39.1	27.8	41.8

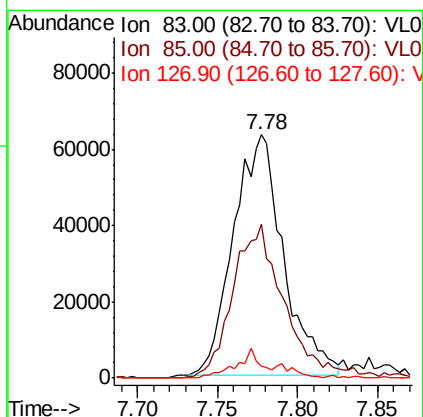
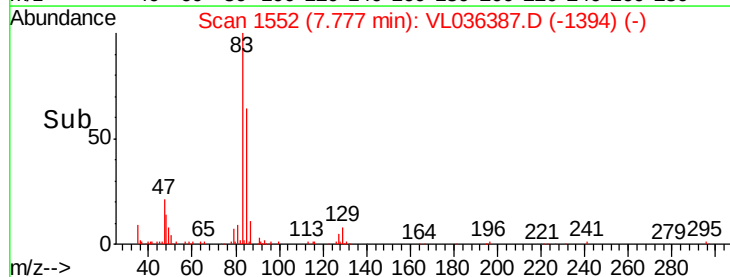
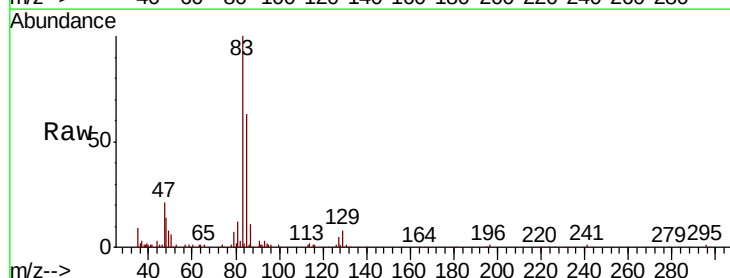
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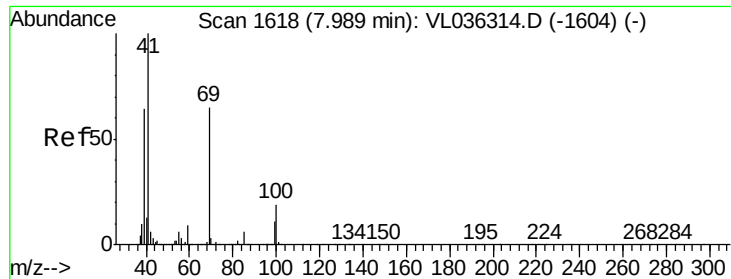
MMDadoda
3/1/2021 10:02:57 AM



#42
Bromodichloromethane
Concen: 0.565 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	4.9	6.3	9.5#





#43

Methyl Methacrylate

Concen: 0.446 ppbv m

RT: 8.01 min Scan# 1623

Delta R.T. 0.02 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

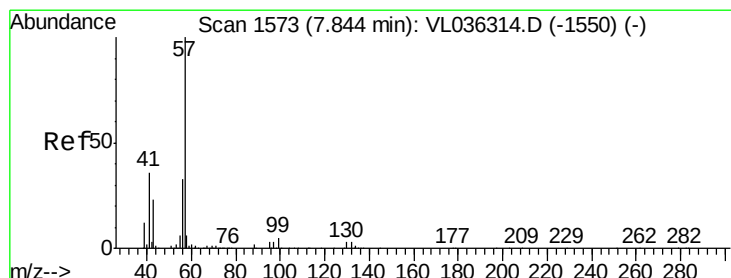
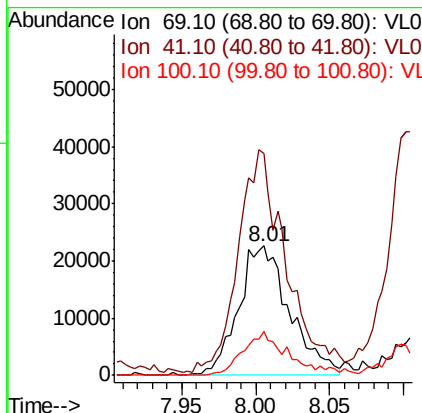
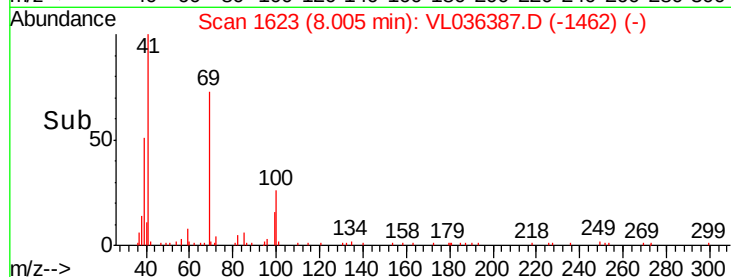
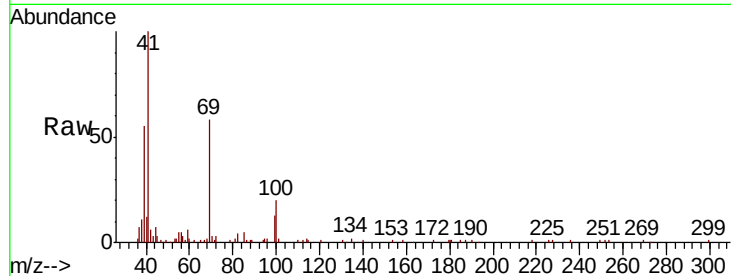
Instrument :
MSVOA_L

ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	126.5	189.7#
100	0.0	23.1	34.7#

Manual Integrations
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MMDadoda
3/1/2021 10:02:57 AM



#44

2,2,4-Trimethylpentane

Concen: 0.552 ppbv

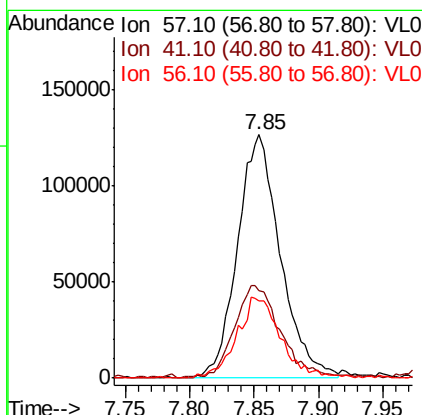
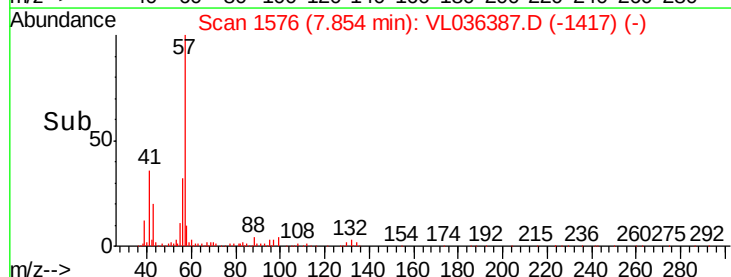
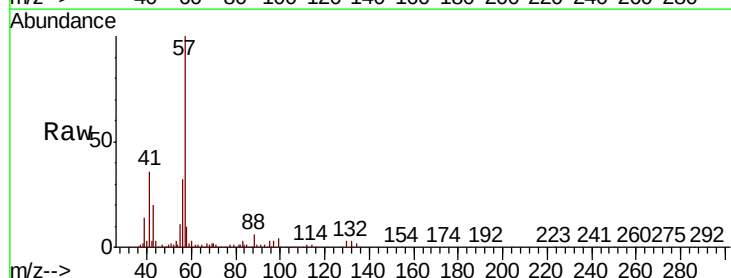
RT: 7.85 min Scan# 1576

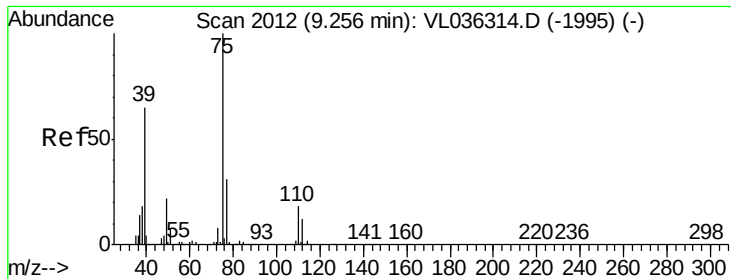
Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	41.7	28.8	43.2
56	34.8	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 0.406 ppbv m

RT: 9.27 min Scan# 2017

Delta R.T. 0.02 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion: 75 Resp: 47946

Ion Ratio Lower Upper

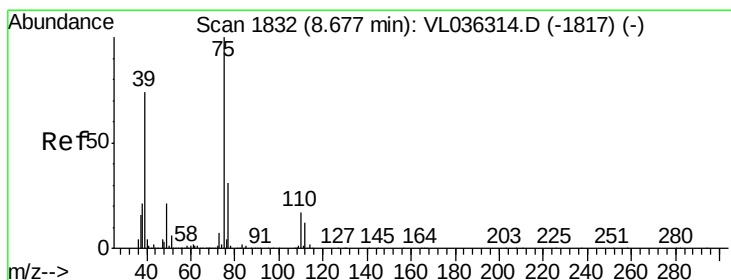
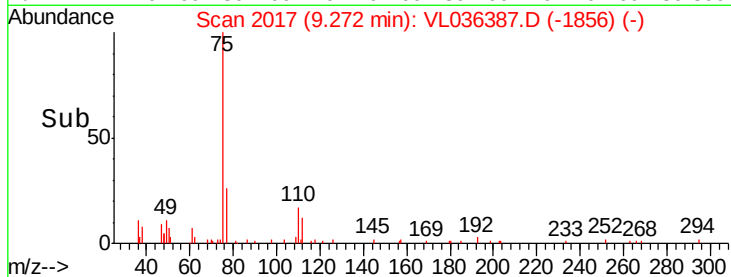
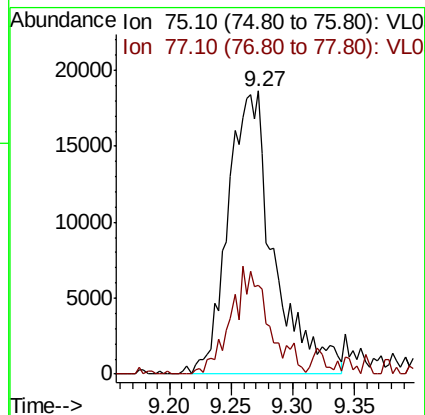
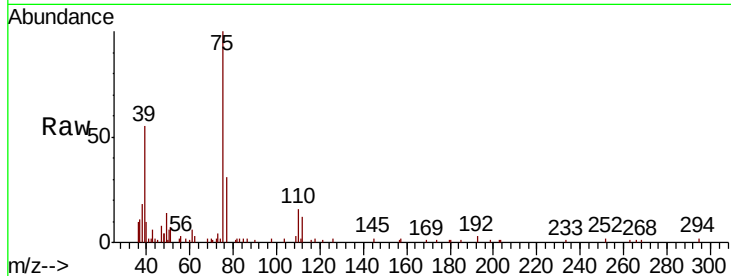
75 100

77 31.3 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 0.412 ppbv m

RT: 8.69 min Scan# 1835

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

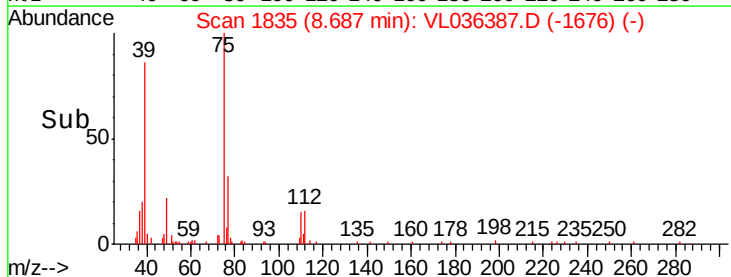
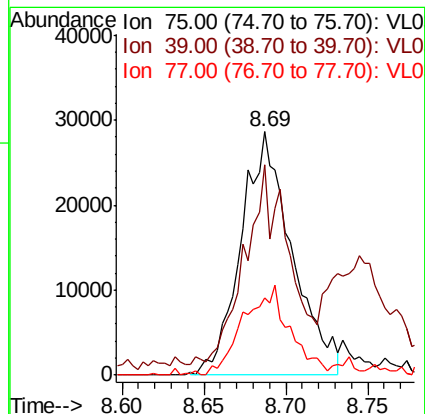
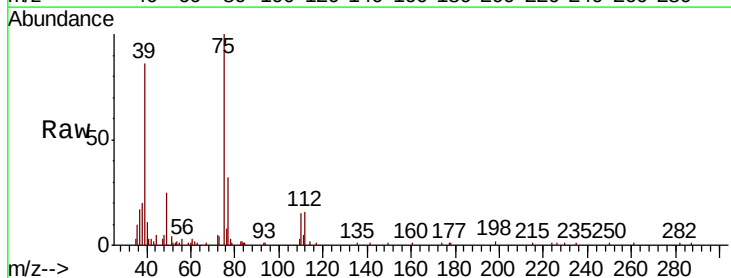
Tgt Ion: 75 Resp: 61880

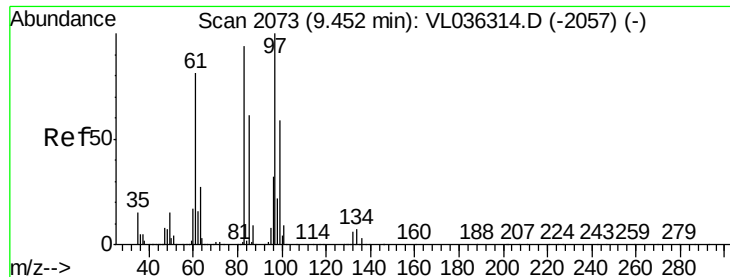
Ion Ratio Lower Upper

75 100

39 86.1 59.2 88.8

77 31.8 25.0 37.6





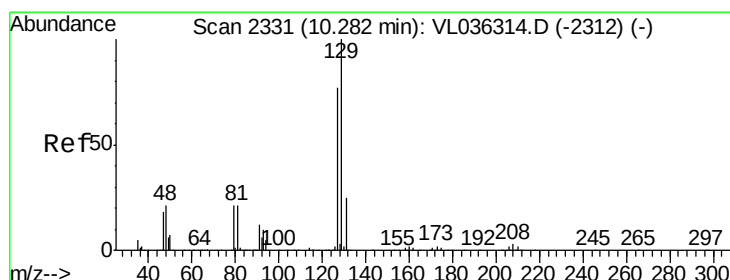
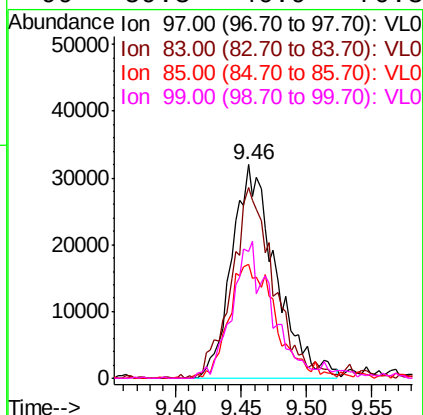
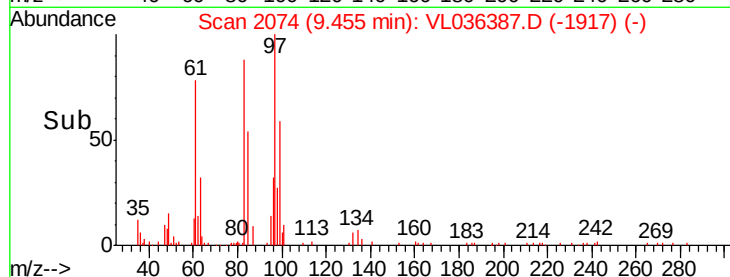
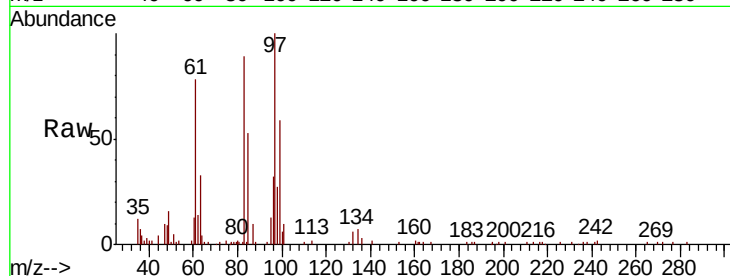
#47
 1,1,2-Trichloroethane
 Concen: 0.616 ppbv m
 RT: 9.46 min Scan# 2074
 Delta R.T. 0.00 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.3	75.4	113.0	
85	53.3	48.9	73.3	
99	59.3	46.9	70.3	

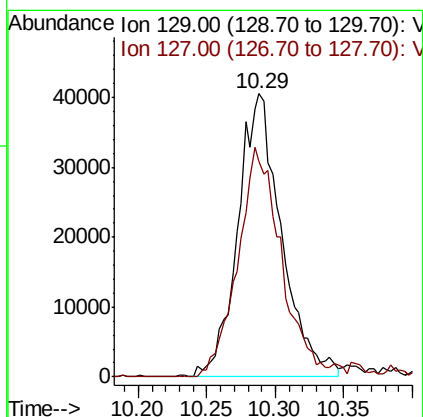
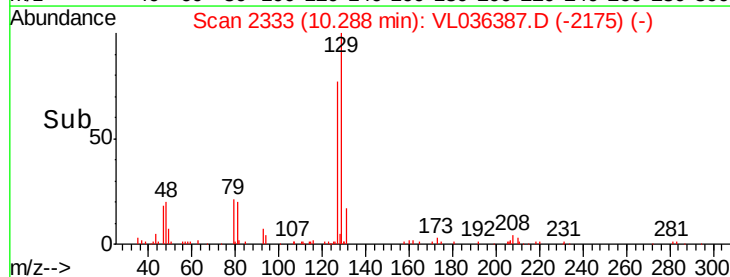
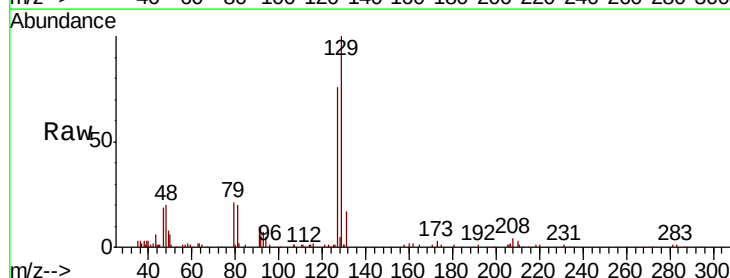
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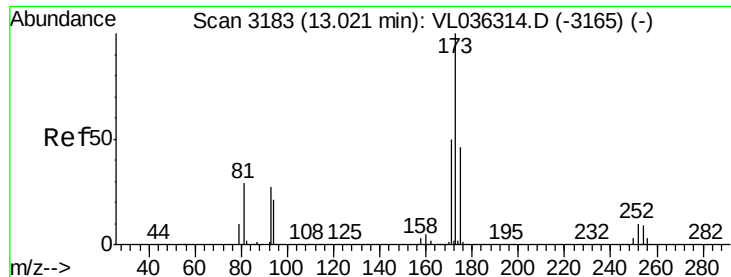
MMDadoda
 3/1/2021 10:02:57 AM



#48
 Dibromochloromethane
 Concen: 0.497 ppbv m
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	0.0	39.1	117.2	#





#49

Bromoform

Concen: 0.492 ppbv m

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

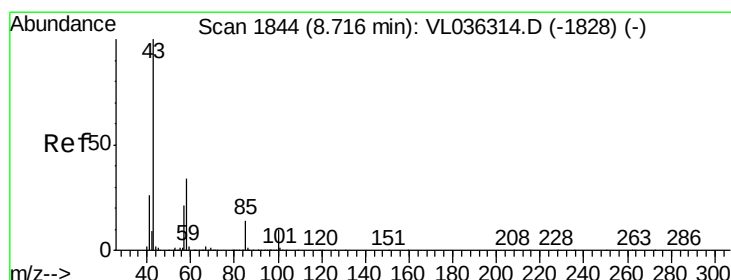
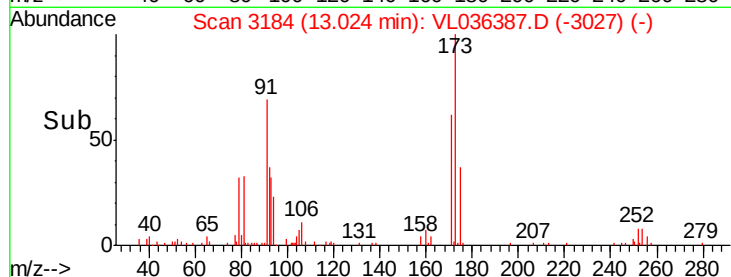
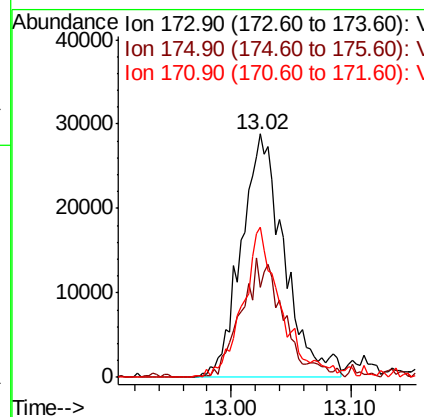
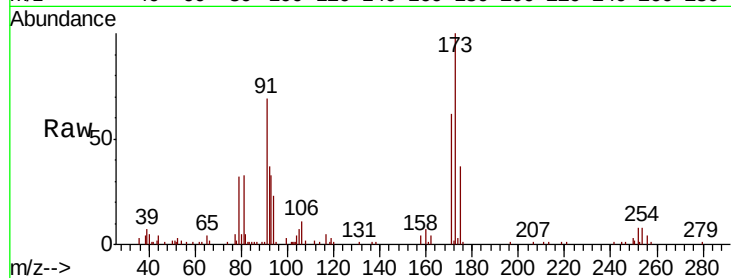
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion:	173	Resp:	71692
Ion Ratio	Lower	Upper	
173	100		
175	48.1	40.2	60.2
171	54.6	43.4	65.2

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#50

4-Methyl-2-Pentanone

Concen: 0.487 ppbv m

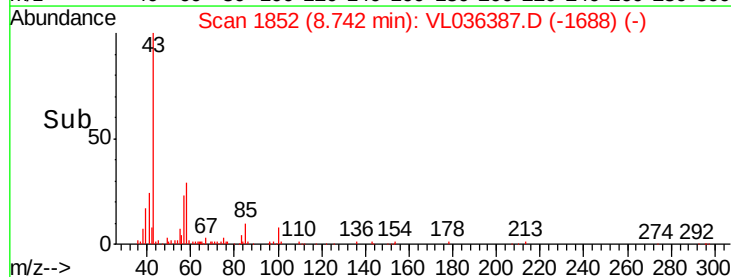
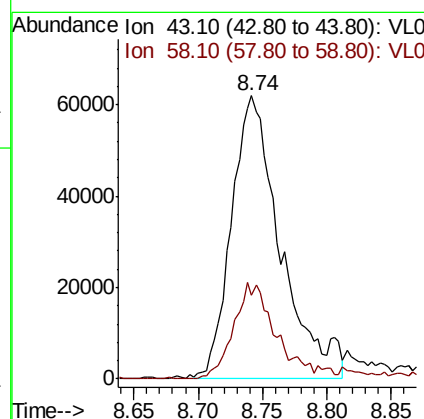
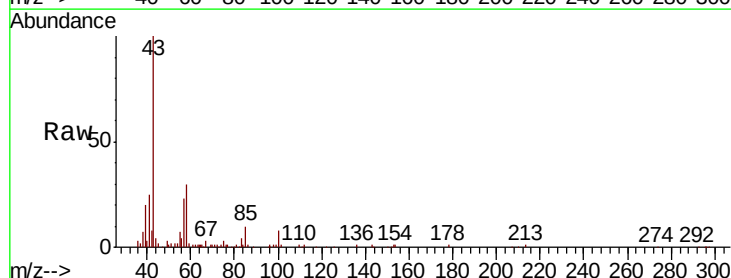
RT: 8.74 min Scan# 1852

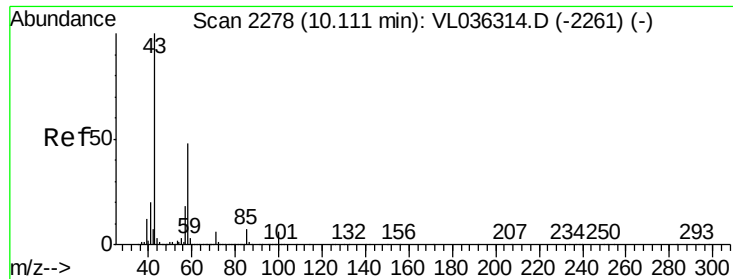
Delta R.T. 0.03 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Tgt Ion:	43	Resp:	164246
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.8	41.6





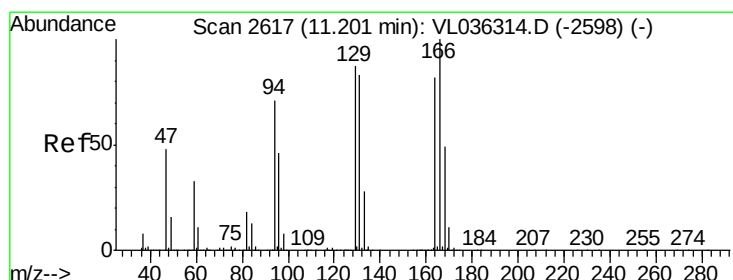
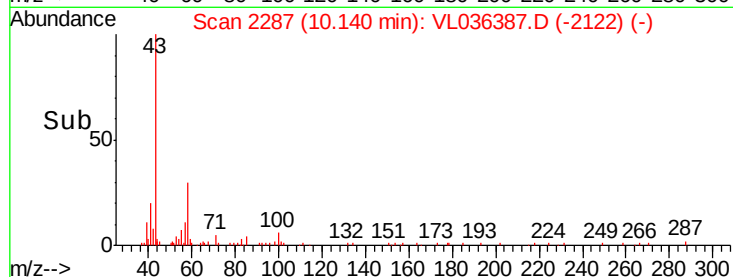
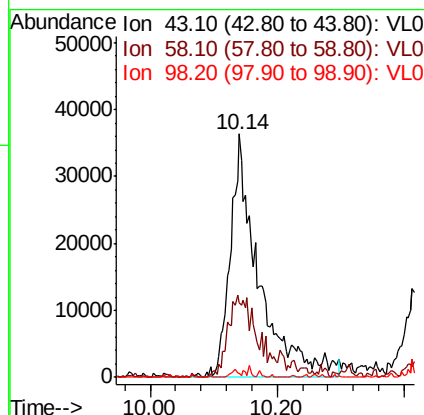
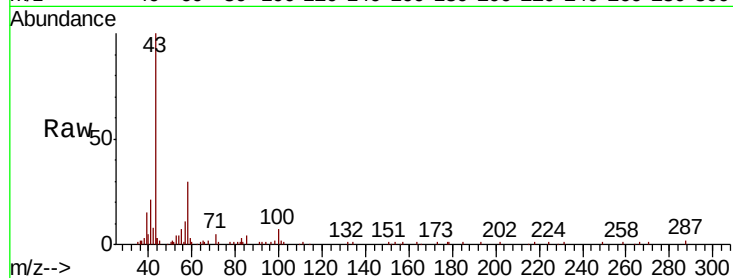
#51
2-Hexanone
Concen: 0.446 ppbv m
RT: 10.14 min Scan# 2287
Delta R.T. 0.03 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	38.7	58.1
98	1.7	0.4	0.6

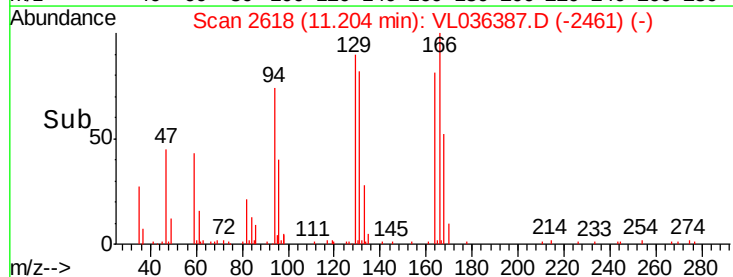
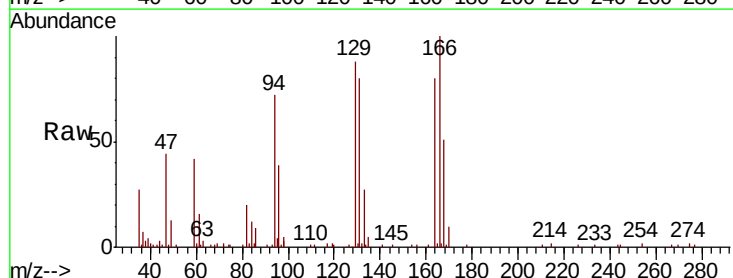
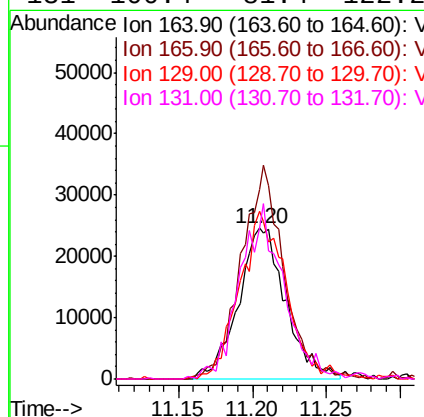
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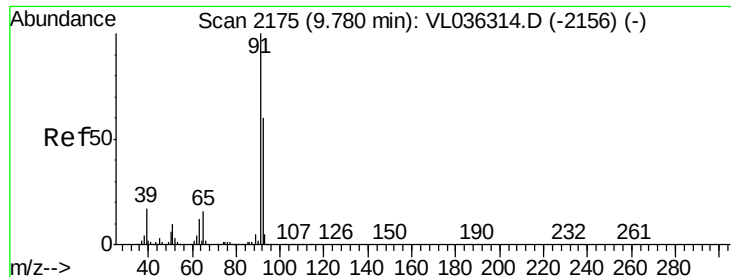
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#52
Tetrachloroethene
Concen: 0.513 ppbv m
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	97.8	146.8
129	111.1	84.9	127.3
131	100.4	81.4	122.2





#53

Toluene

Concen: 0.427 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion: 91 Resp: 134404

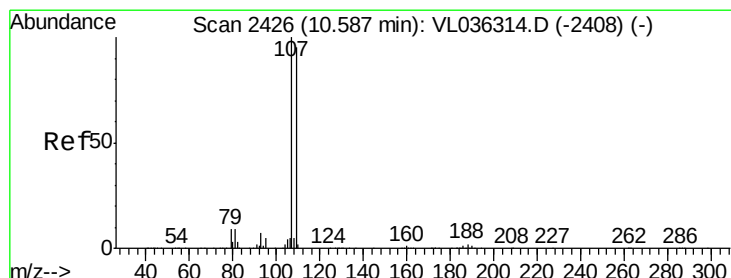
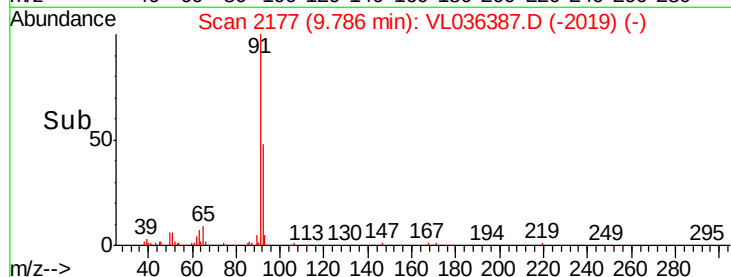
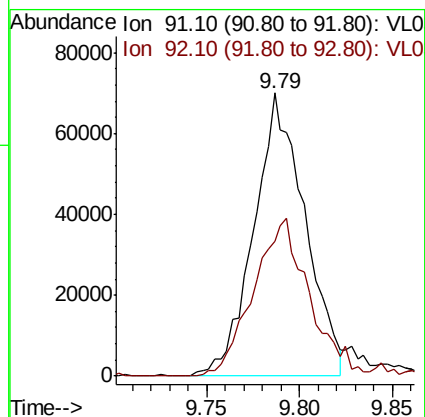
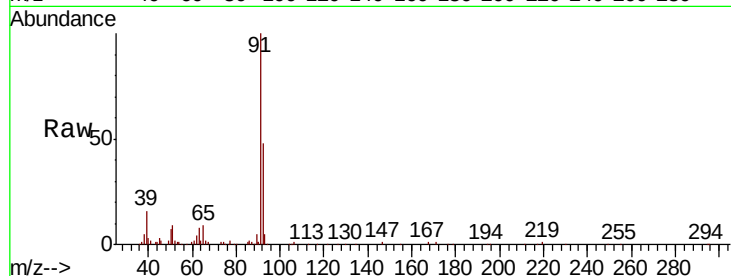
Ion Ratio Lower Upper

91 100

92 63.3 48.6 72.8

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3/1/2021 10:02:57 AM



#54

1,2-Dibromoethane

Concen: 0.541 ppbv m

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL036387.D

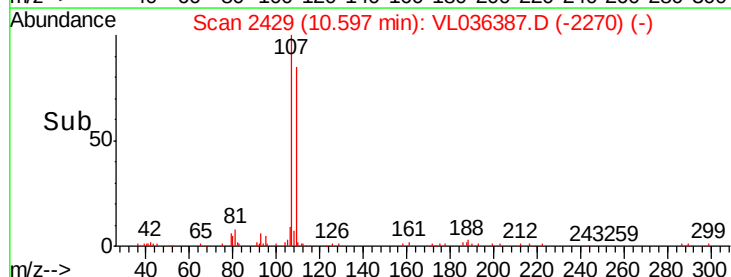
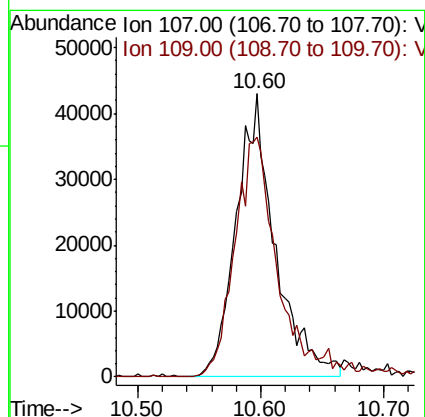
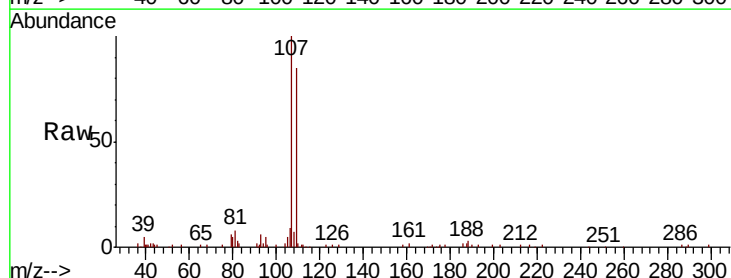
Acq: 25 Feb 2021 18:53

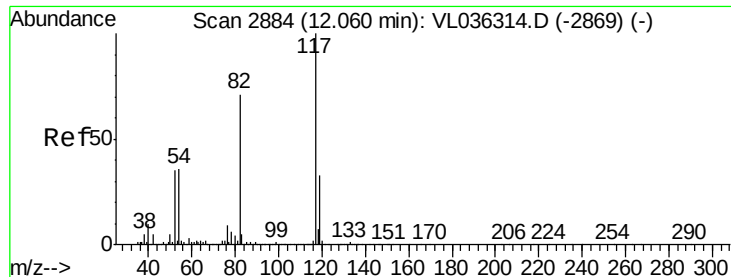
Tgt Ion: 107 Resp: 94443

Ion Ratio Lower Upper

107 100

109 84.5 76.0 114.0





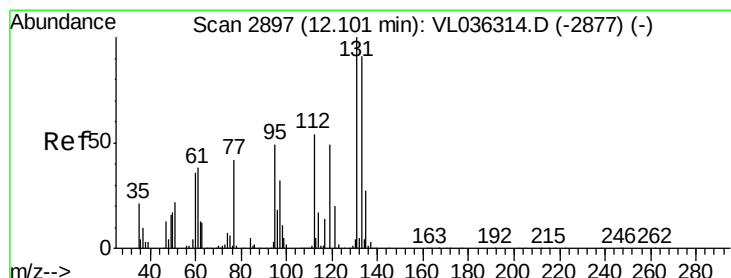
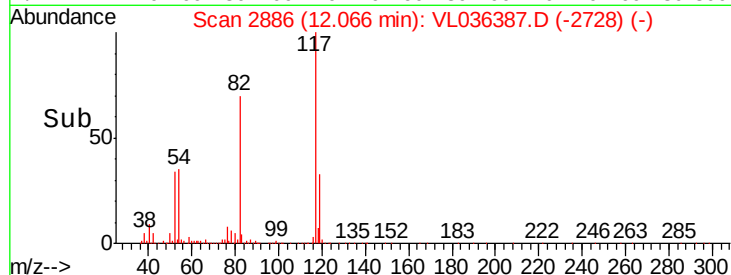
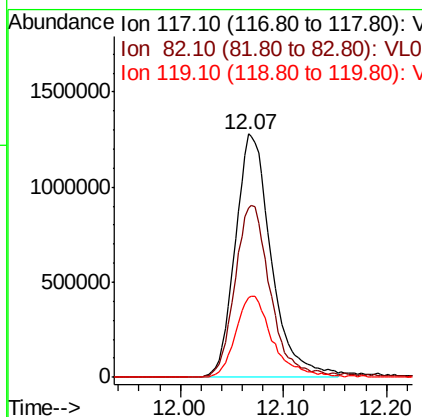
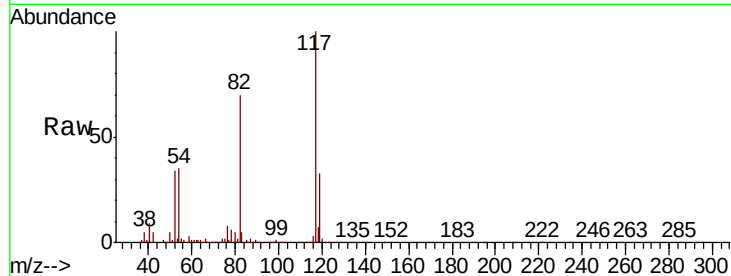
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.0	59.1	88.7
119	35.1	46.3	69.5#

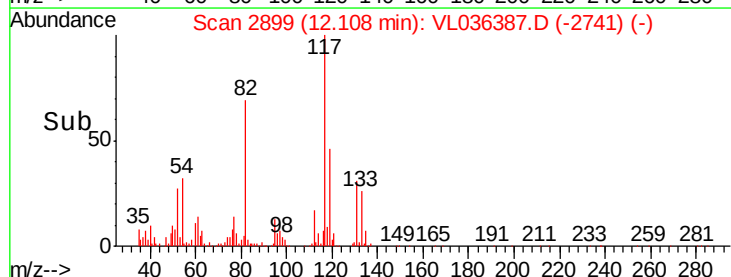
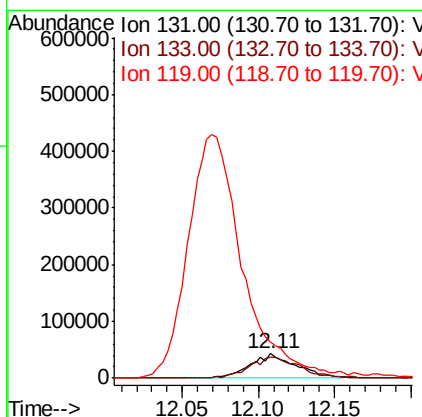
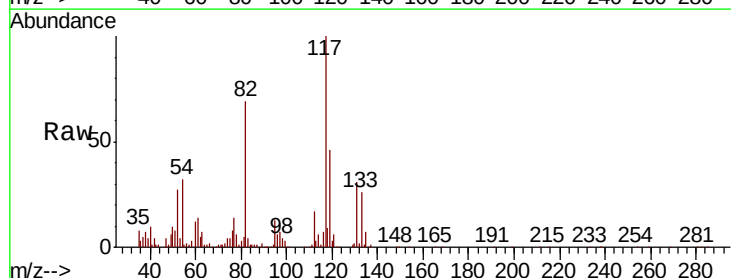
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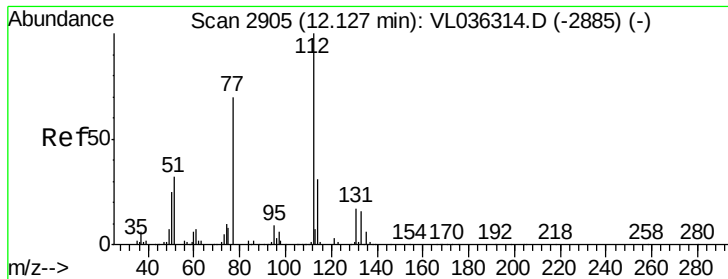
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.621 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	76.0	114.0
119	0.0	115.1	172.7#





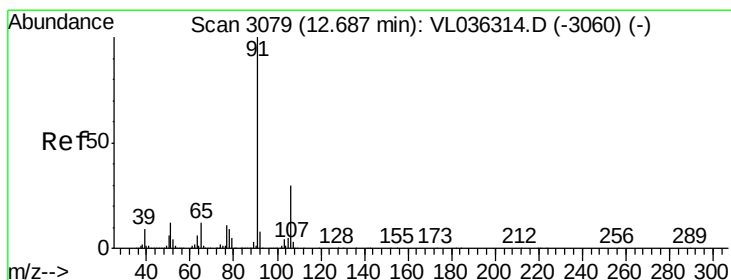
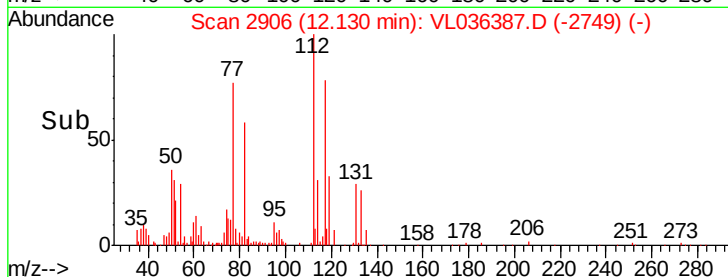
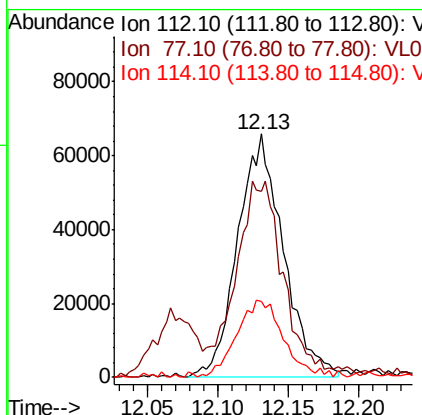
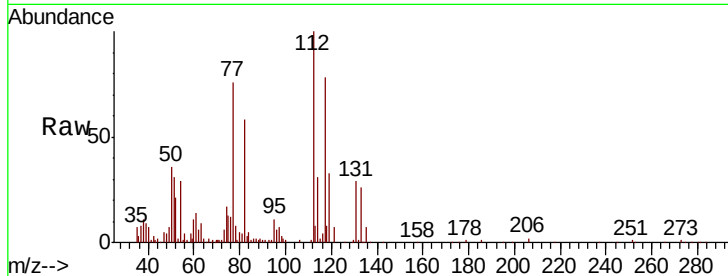
#57
Chlorobenzene
Concen: 0.620 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
112	100		
77	72.0	56.1	84.1
114	28.9	28.3	34.5

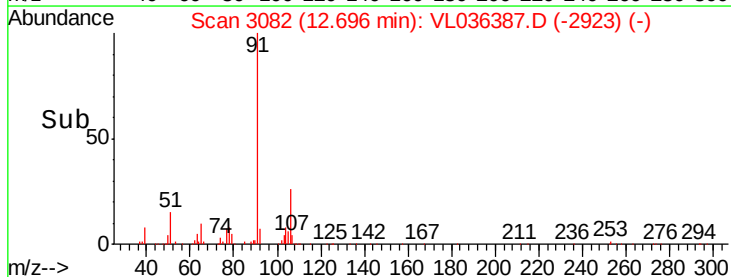
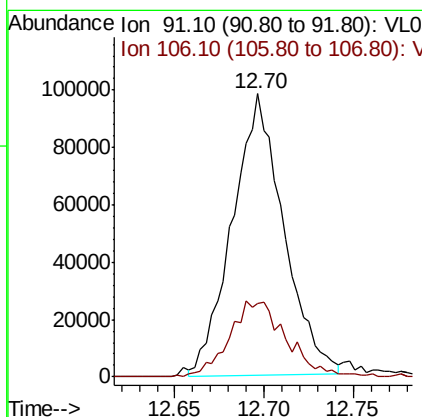
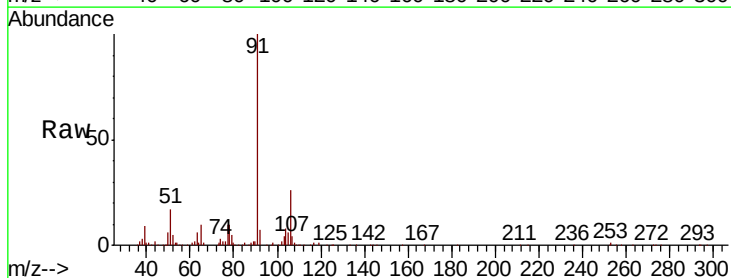
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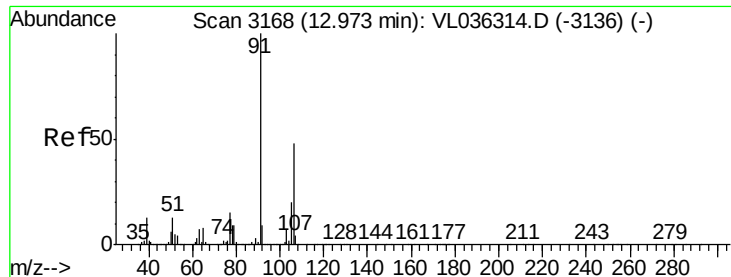
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#58
Ethyl Benzene
Concen: 0.461 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.6	23.8	35.6





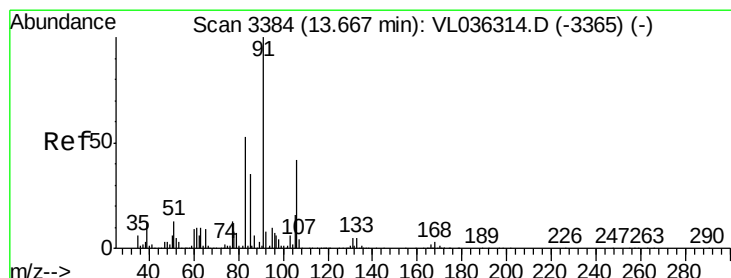
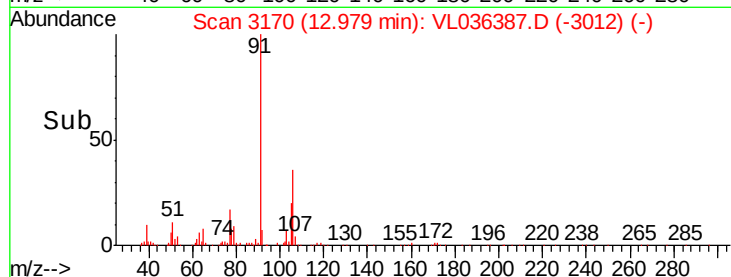
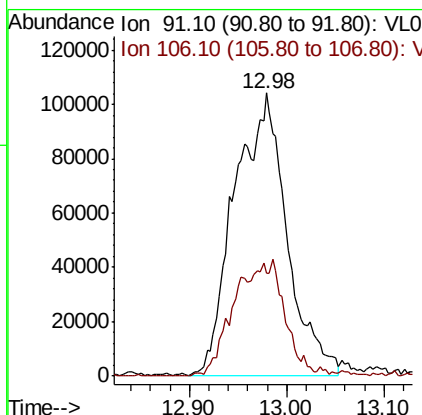
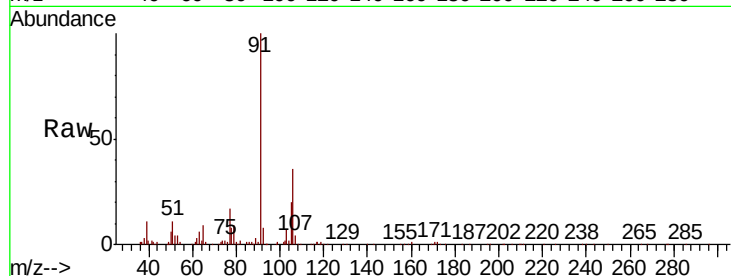
#59
m/p-Xylene
Concen: 1.042 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
91	100		
106	40.1	34.2	51.2

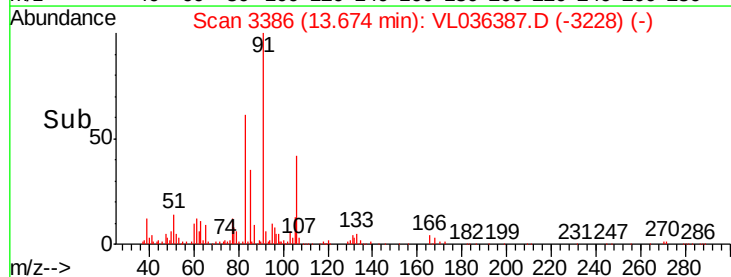
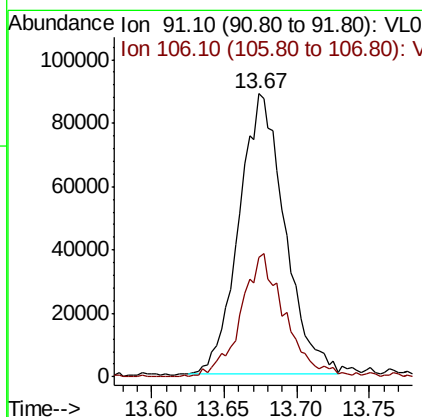
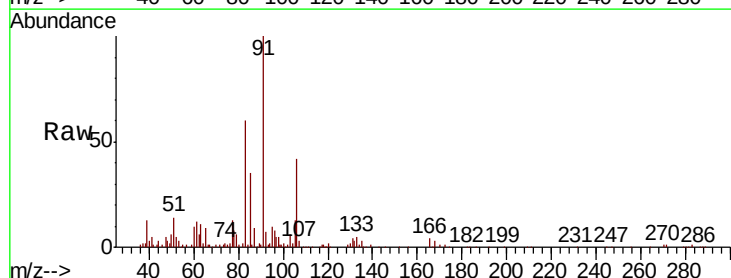
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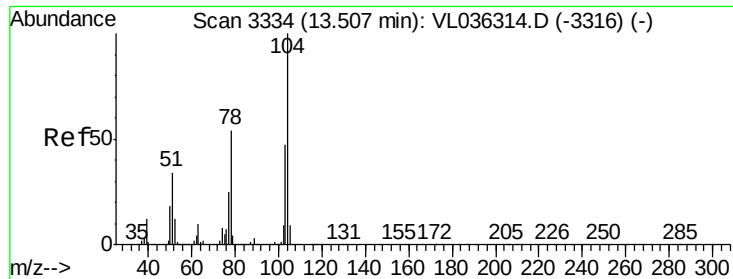
MMDadoda
3/1/2021 10:02:57 AM



#60
o-Xylene
Concen: 0.542 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.5	22.0	66.0





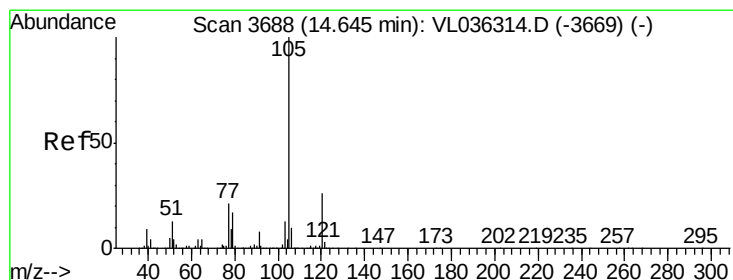
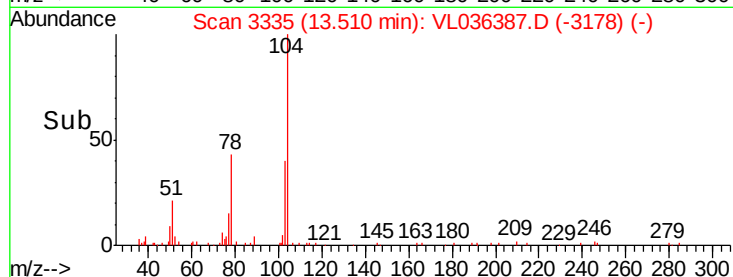
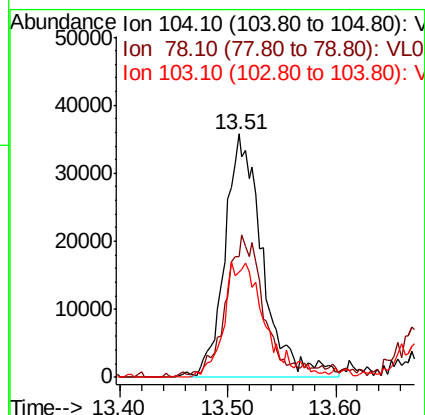
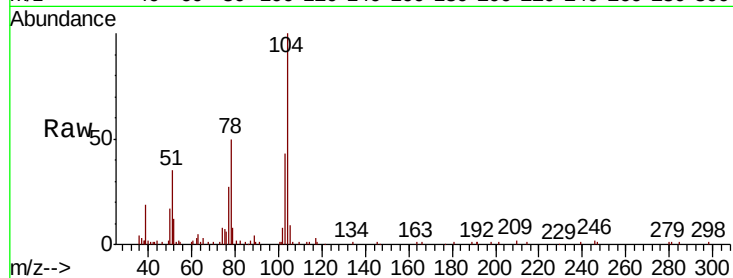
#61
Stvrene
Concen: 0.391 ppbv m
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
104	100		
78	61.2	46.2	69.2
103	51.0	38.3	57.5

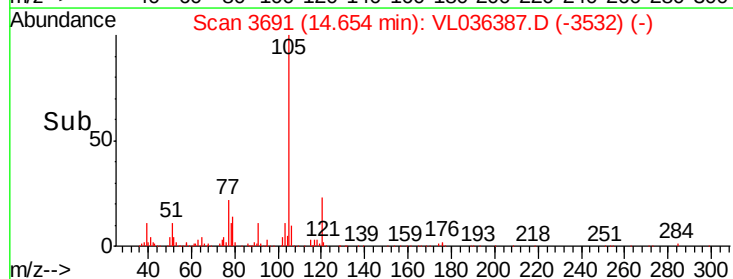
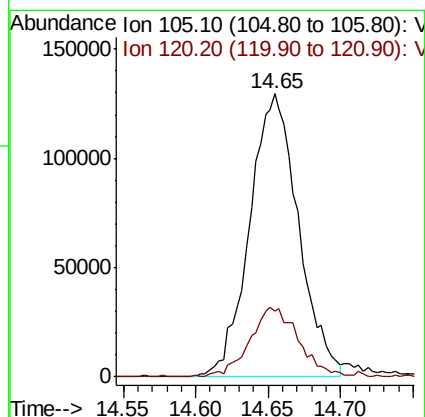
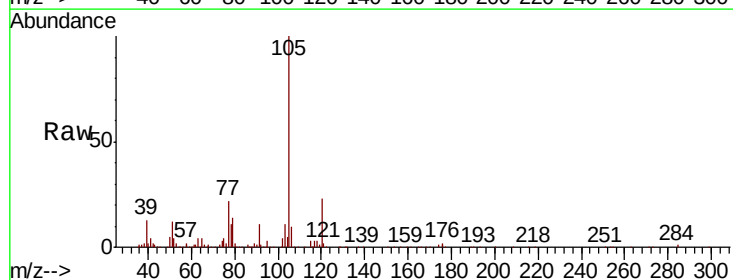
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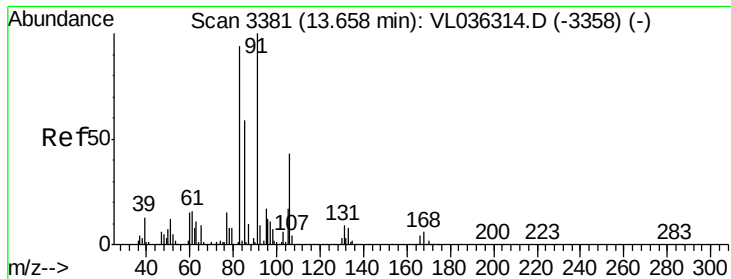
MMDadoda
3/1/2021 10:02:57 AM



#62
Isopropylbenzene
Concen: 0.564 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.01 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.6	30.8





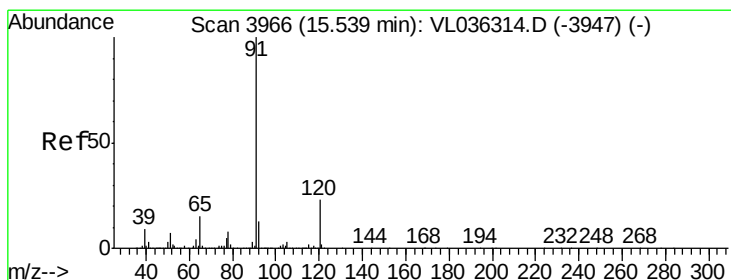
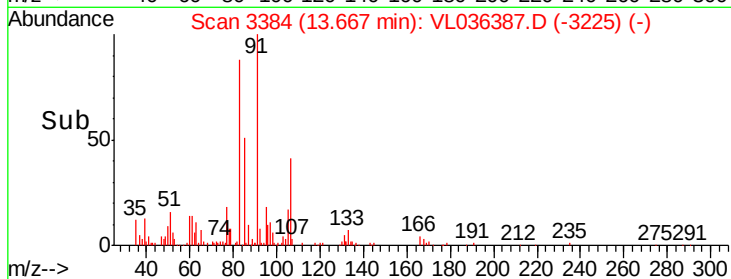
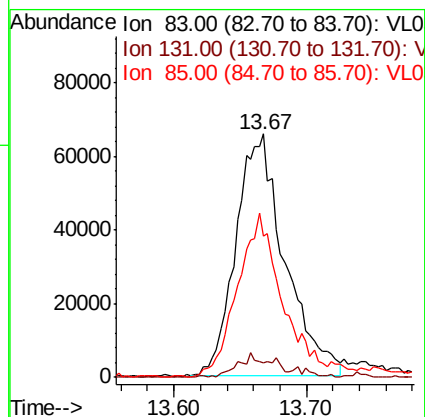
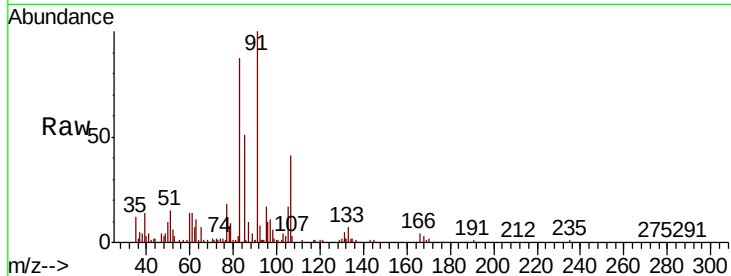
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.595 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.7	14.0
85	69.5	33.0	98.9

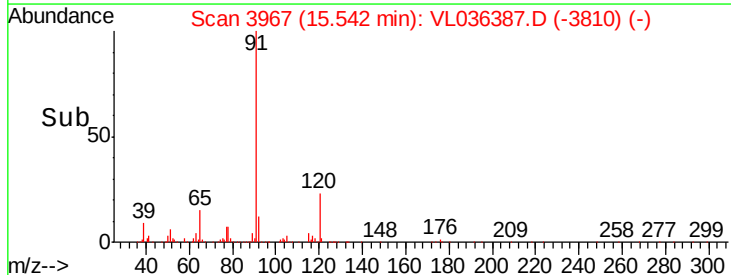
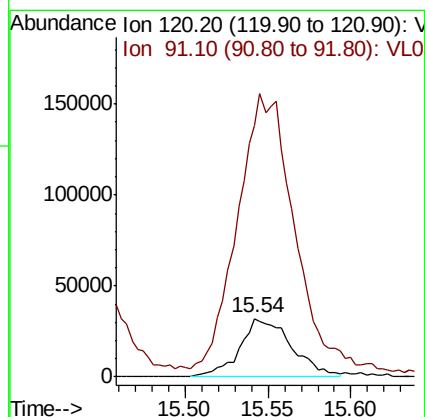
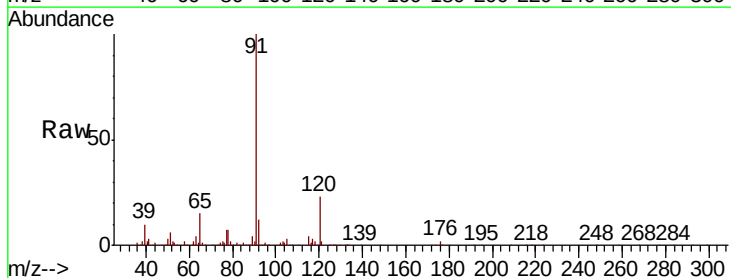
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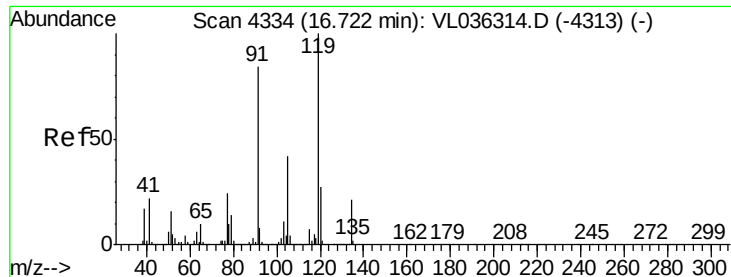
MMDadoda
 3/1/2021 10:02:57 AM



#64
 n-propylbenzene
 Concen: 0.528 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. 0.00 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
120	100		
91	557.0	387.2	580.8





#65

tert-Butylbenzene

Concen: 0.537 ppbv m

RT: 16.74 min Scan# 4339

Delta R.T. 0.02 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

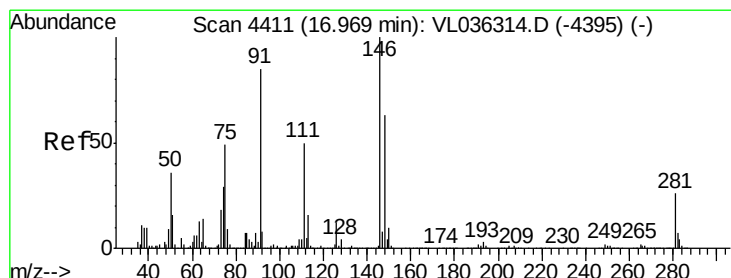
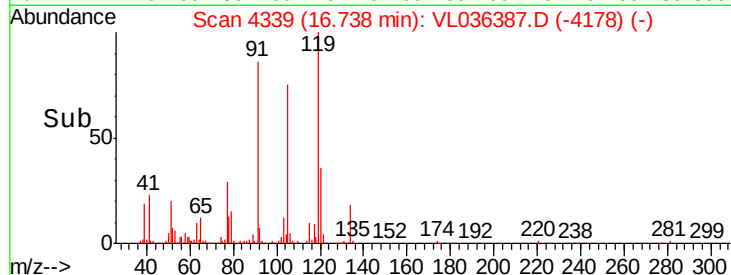
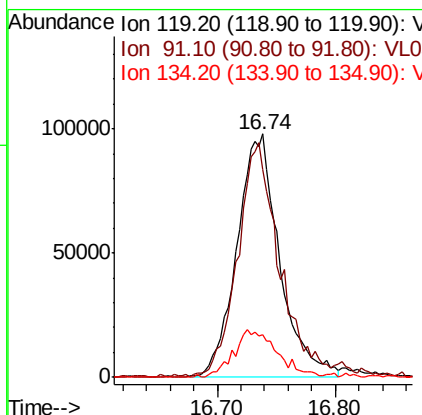
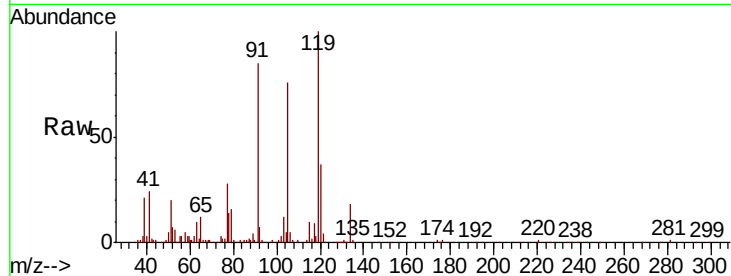
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion:	119	Resp:	246387
Ion Ratio	Lower	Upper	
119	100		
91	0.0	70.5	105.7#
134	19.9	15.8	23.8

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#66

Benzyl Chloride

Concen: 0.455 ppbv m

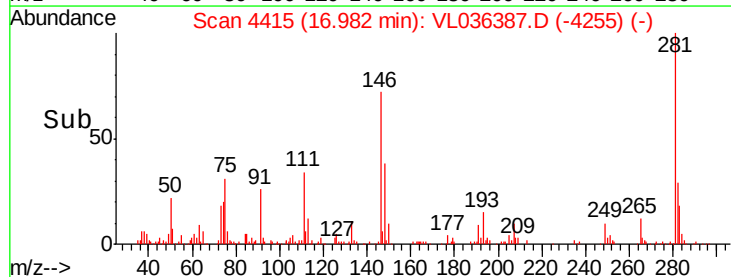
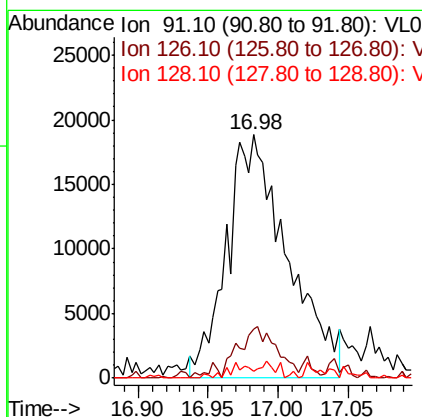
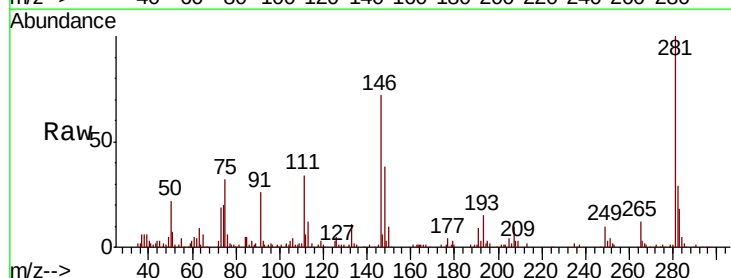
RT: 16.98 min Scan# 4415

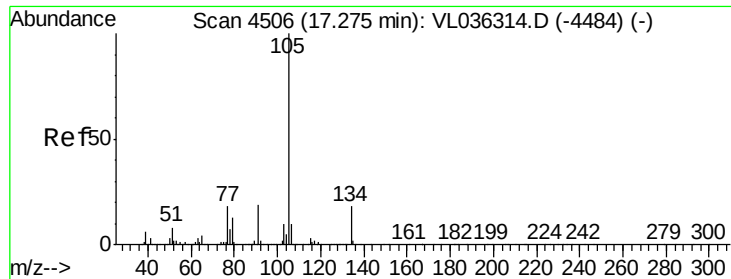
Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Tgt Ion:	91	Resp:	56752
Ion Ratio	Lower	Upper	
91	100		
126	15.3	12.9	19.3
128	4.3	4.2	6.2





#67

sec-Butylbenzene

Concen: 0.553 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion: 105 Resp: 366453

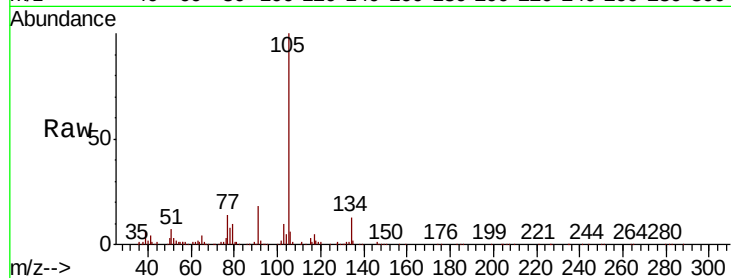
Ion Ratio Lower Upper

105 100

134 17.9 14.2 21.4

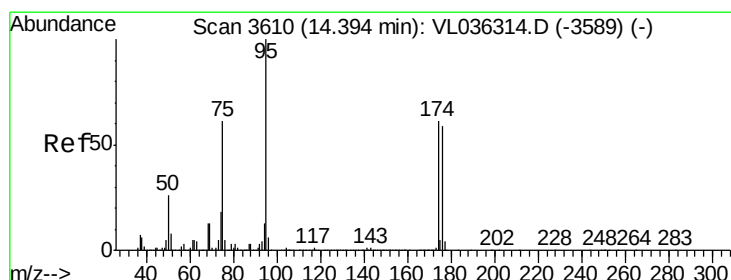
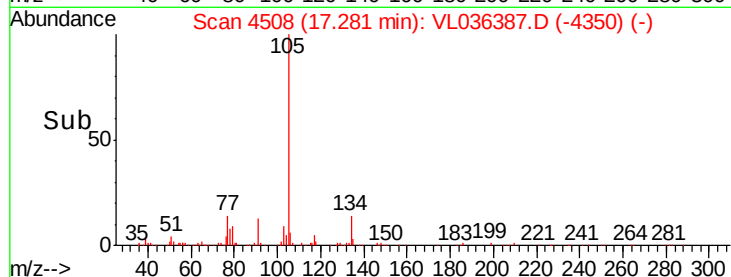
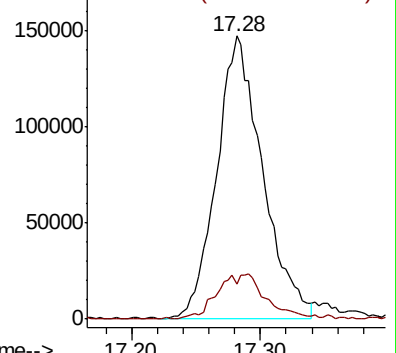
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.103 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

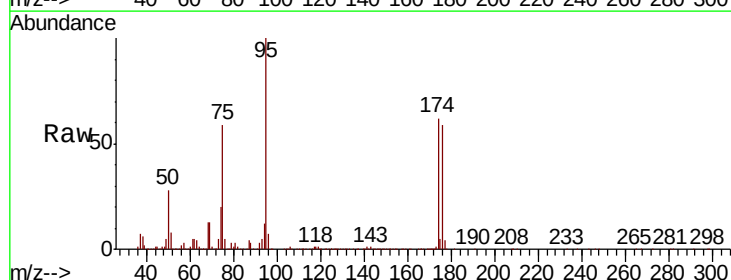
Tgt Ion: 95 Resp: 2588120

Ion Ratio Lower Upper

95 100

174 62.7 49.8 74.6

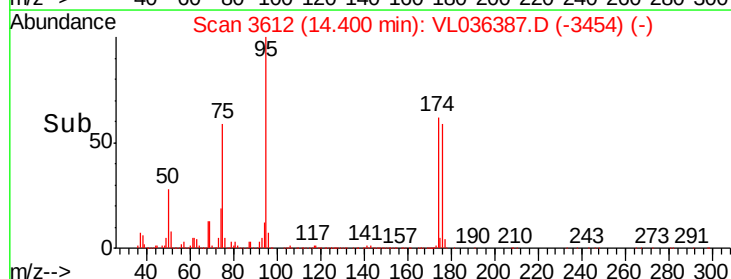
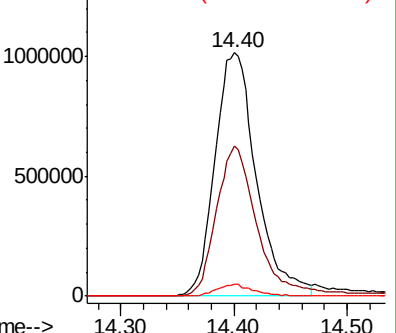
175 4.7 3.7 5.5

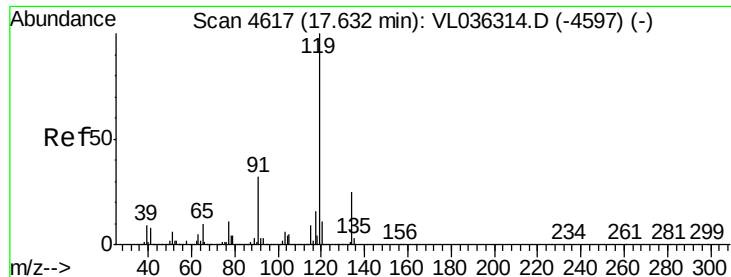


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





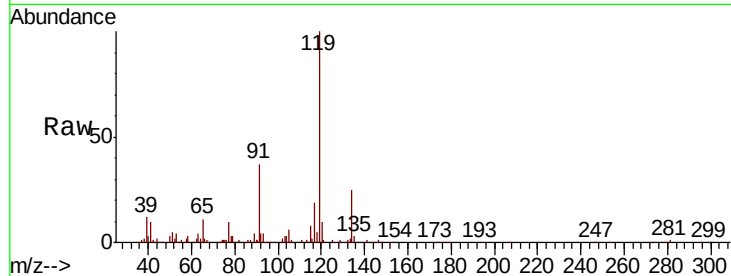
#69
 p-Isopropyltoluene
 Concen: 0.497 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

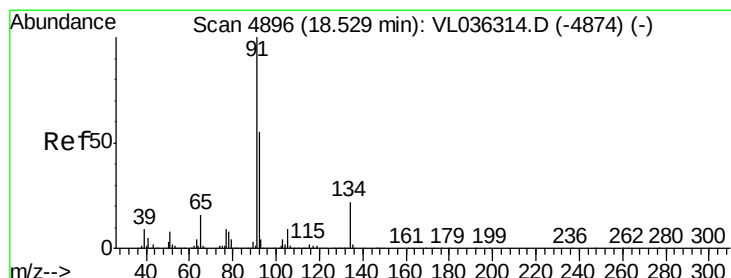
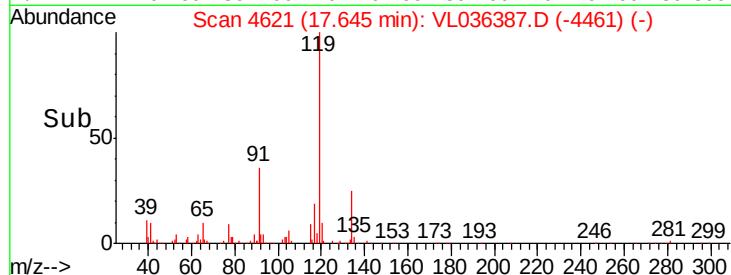
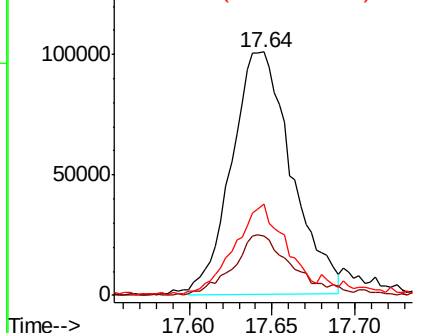
Tot Ion	Ratio	Resp	Lower	Upper
119	100	254211		
134	25.7	20.1	30.1	
91	35.5	25.8	38.6	

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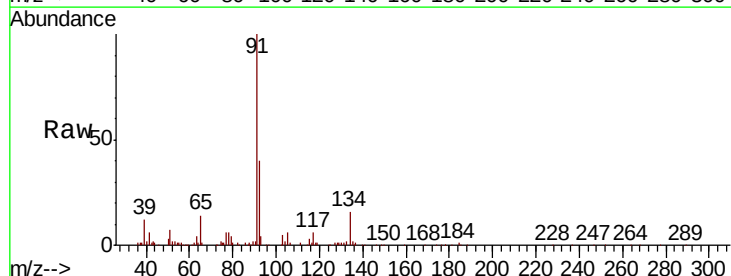


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

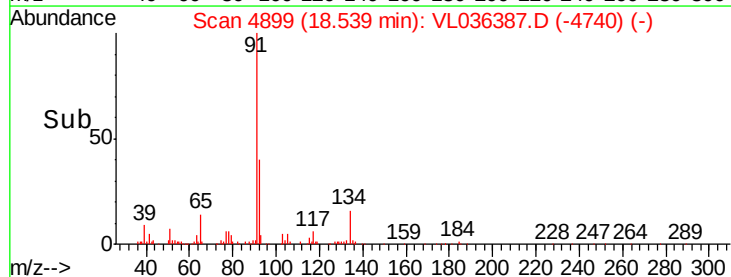
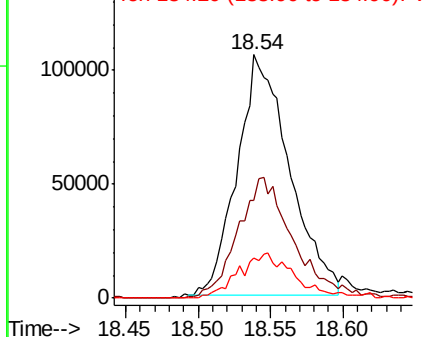


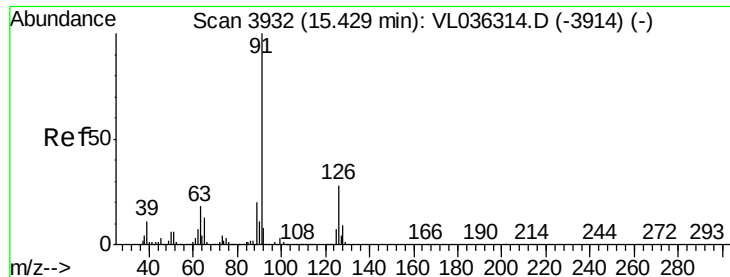
#70
 n-Butylbenzene
 Concen: 0.482 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	264550		
92	53.7	43.7	65.5	
134	20.7	17.4	26.0	



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





#71

2-Chlorotoluene

Concen: 0.507 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion: 91 Resp: 208520

Ion Ratio Lower Upper

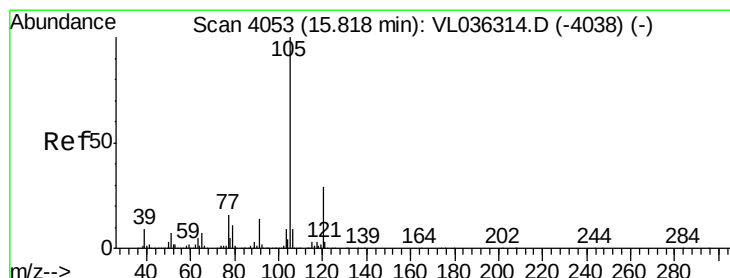
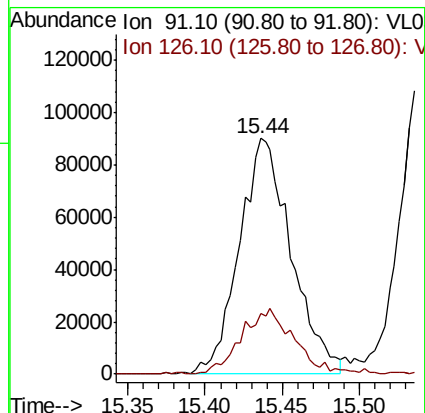
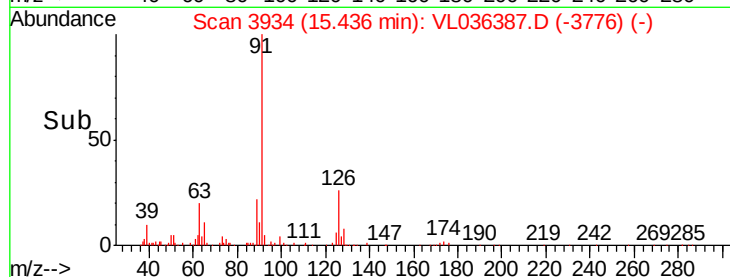
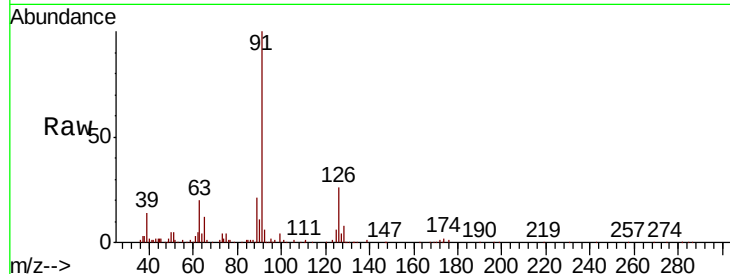
91 100

126 29.0 11.5 46.1

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#72

4-Ethyltoluene

Concen: 0.499 ppbv m

RT: 15.83 min Scan# 4056

Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Tgt Ion: 105 Resp: 198846

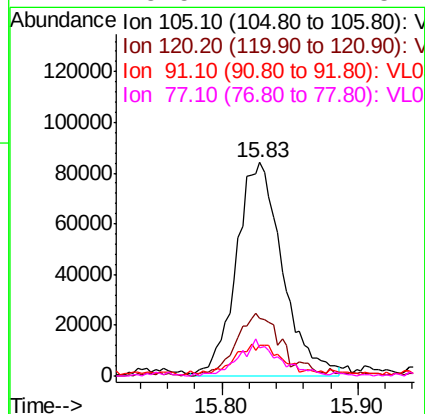
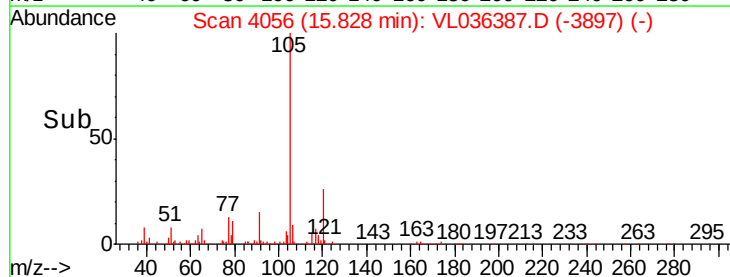
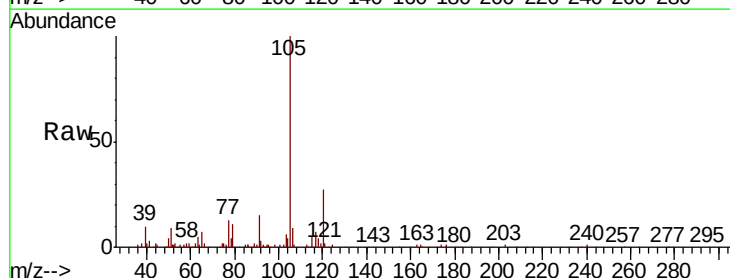
Ion Ratio Lower Upper

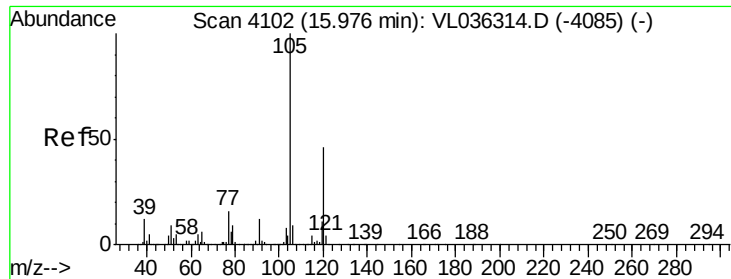
105 100

120 29.4 23.2 34.8

91 16.5 11.0 16.4#

77 15.5 12.2 18.4





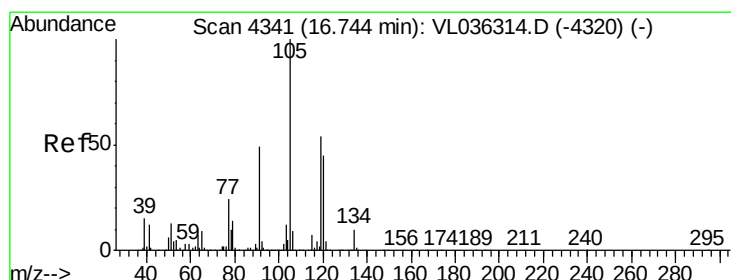
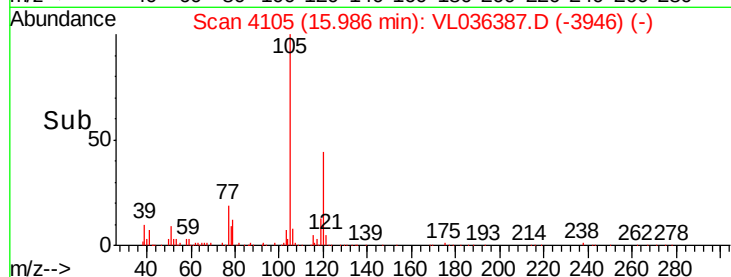
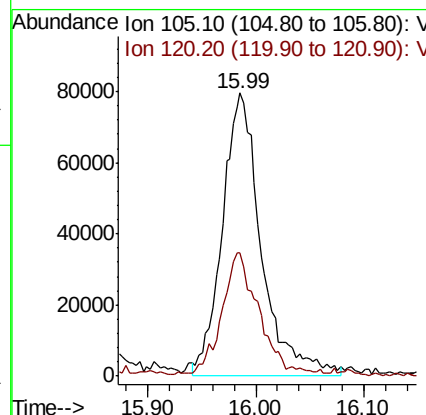
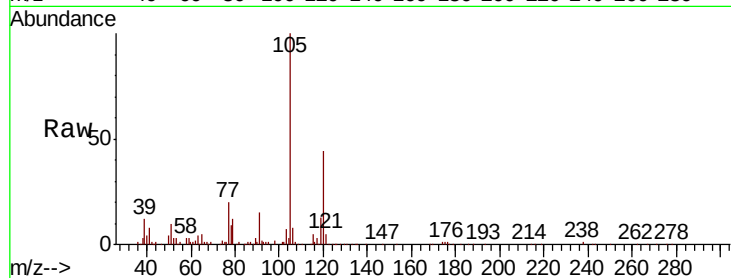
#73
 1,3,5-Trimethylbenzene
 Concen: 0.520 ppbv m
 RT: 15.99 min Scan# 4105
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Resp	Lower	Upper
105	100	200905		
120	43.5		36.9	55.3

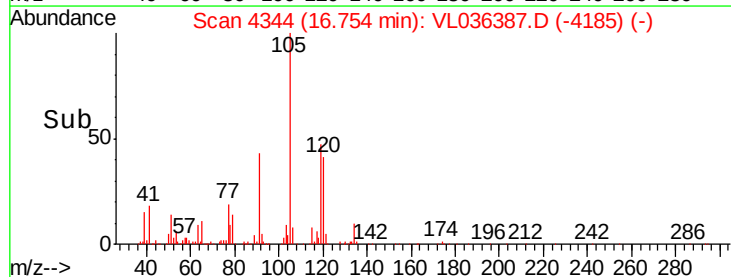
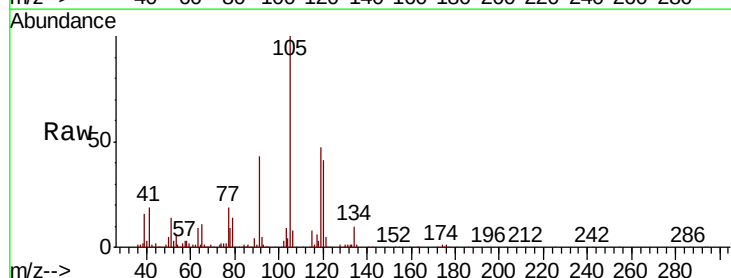
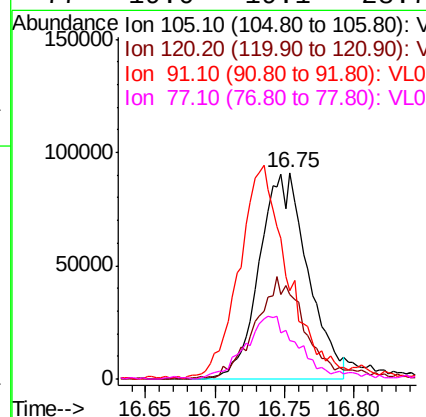
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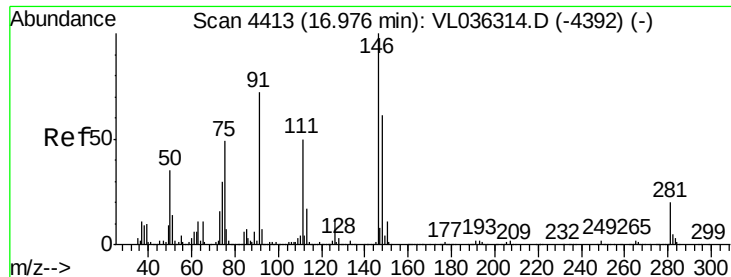
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.562 ppbv m
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221456		
120	41.3		35.8	53.6
91	42.9		39.8	59.6
77	19.0		19.1	28.7#





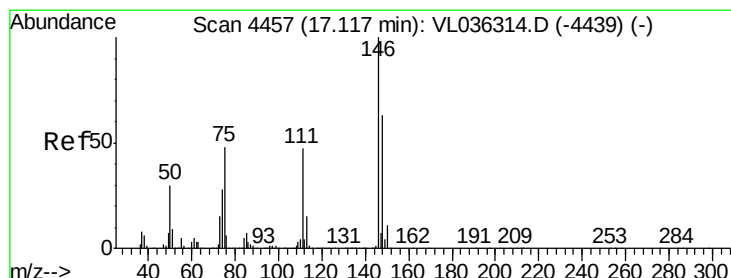
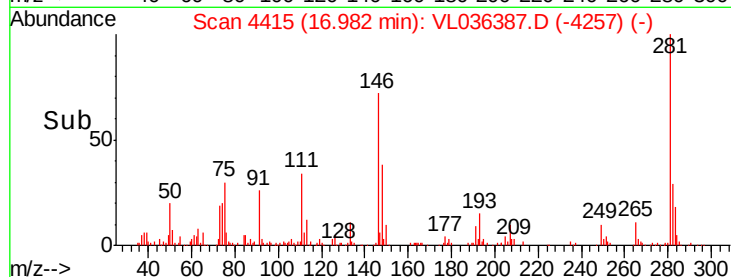
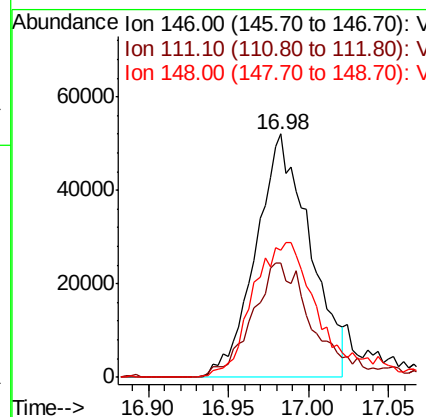
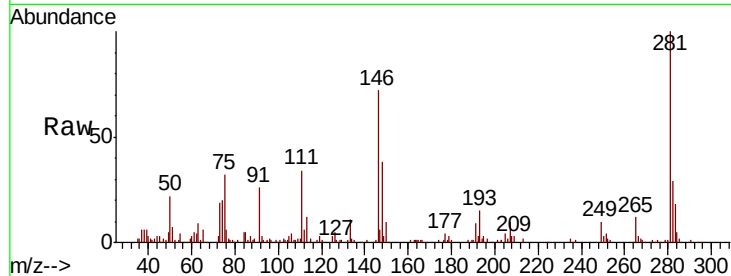
#75
 1,3-Dichlorobenzene
 Concen: 0.568 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121495		
111	55.1	24.9	74.6	
148	69.4	31.9	95.9	

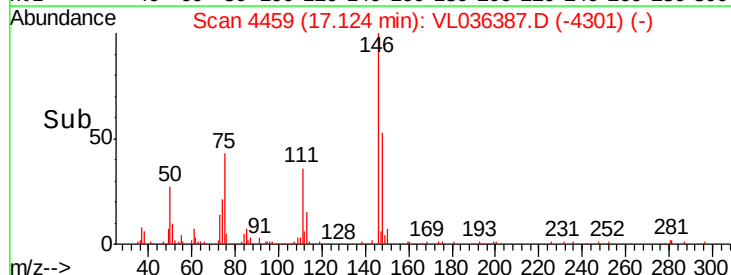
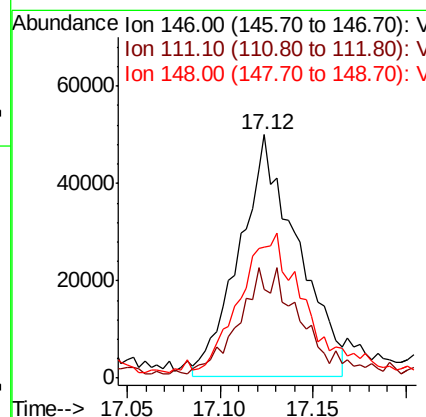
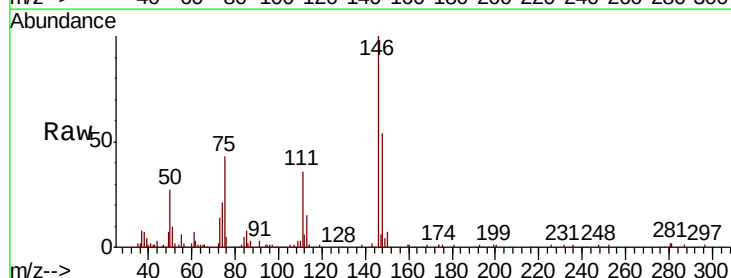
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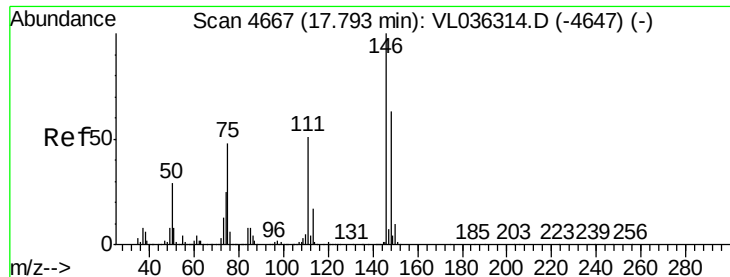
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#76
 1,4-Dichlorobenzene
 Concen: 0.488 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.01 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	108419		
111	54.9	23.6	71.0	
148	71.4	31.6	95.0	





#77

1,2-Dichlorobenzene

Concen: 0.586 ppbv m

RT: 17.81 min Scan# 4672

Delta R.T. 0.02 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Instrument :

MSVOA_L

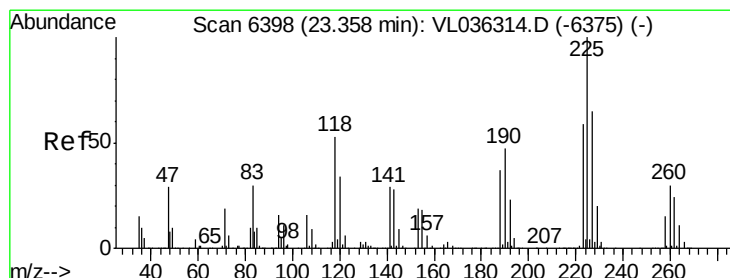
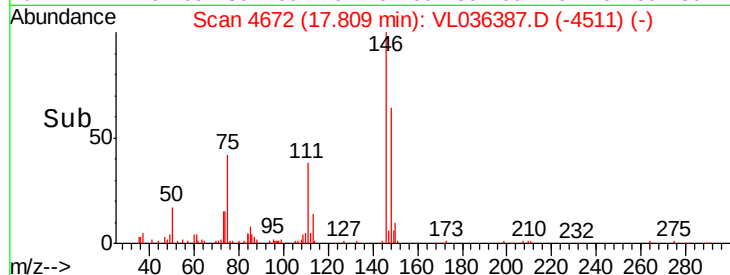
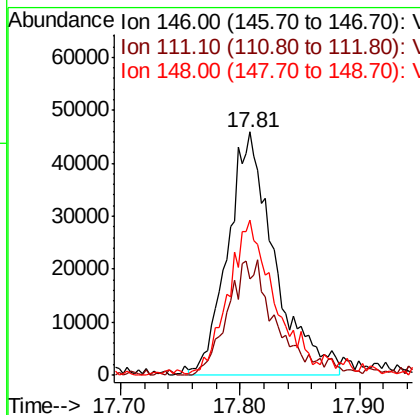
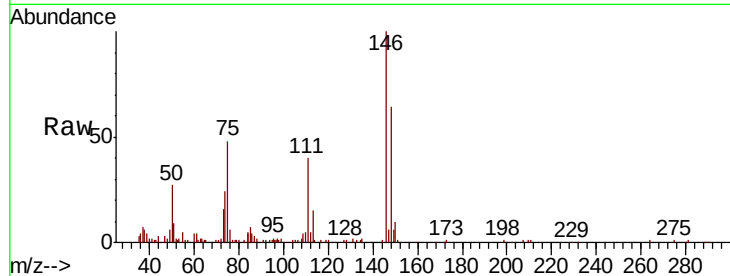
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion:	146	Resp:	124536
Ion Ratio	Lower	Upper	
146	100		
111	0.0	25.9	77.8#
148	0.0	32.5	97.4#

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#78

Hexachloro-1,3-Butadiene

Concen: 0.627 ppbv m

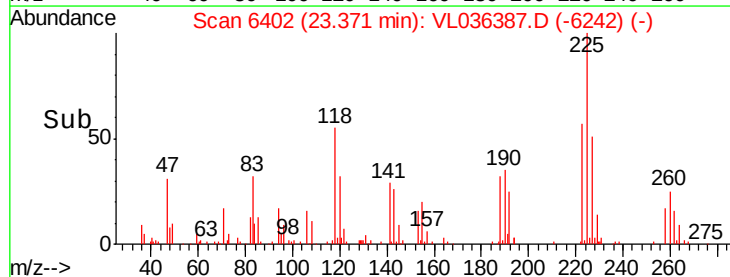
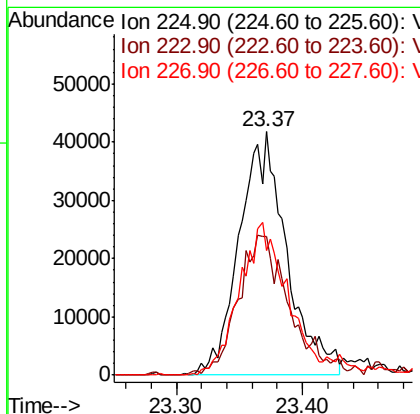
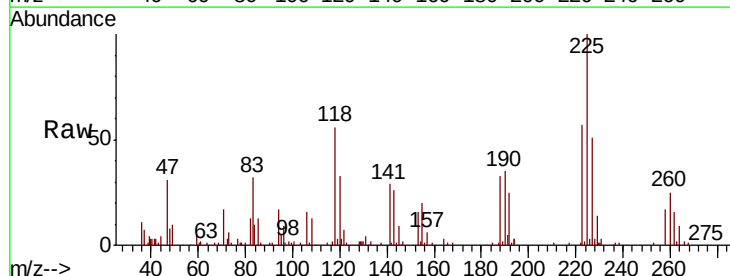
RT: 23.37 min Scan# 6402

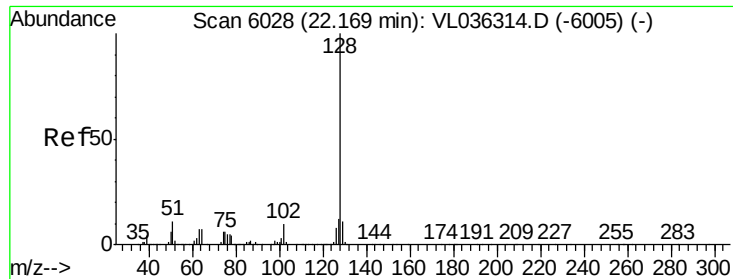
Delta R.T. 0.01 min

Lab File: VL036387.D

Acq: 25 Feb 2021 18:53

Tgt Ion:	225	Resp:	108783
Ion Ratio	Lower	Upper	
225	100		
223	0.0	50.8	76.2#
227	67.9	52.2	78.2





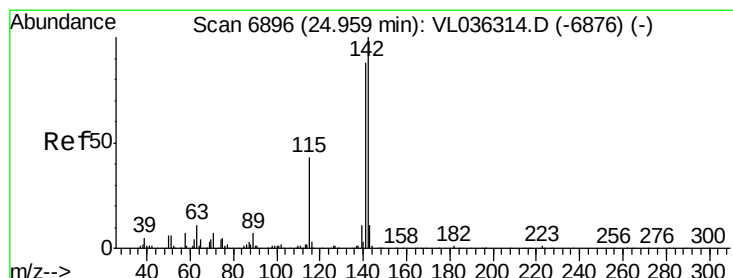
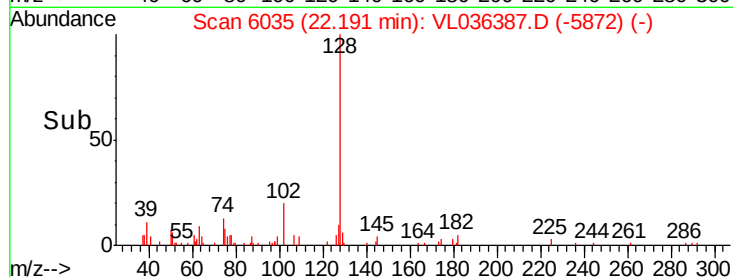
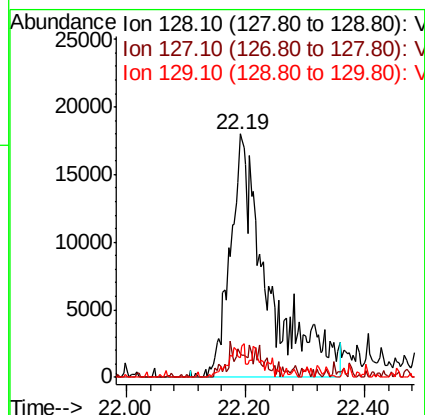
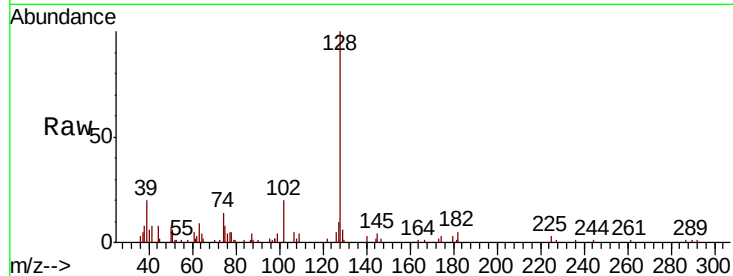
#79
Naphthalene
Concen: 0.334 ppbv m
RT: 22.19 min Scan# 6035
Delta R.T. 0.02 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.7	9.6	14.4
129	6.4	8.5	12.7#

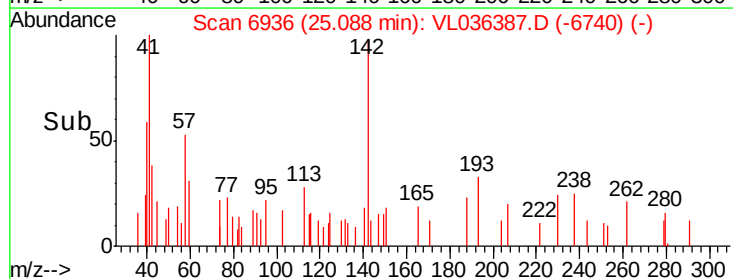
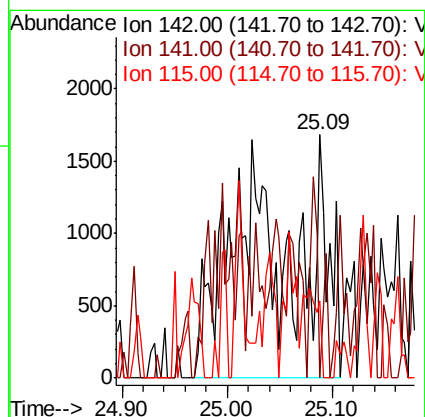
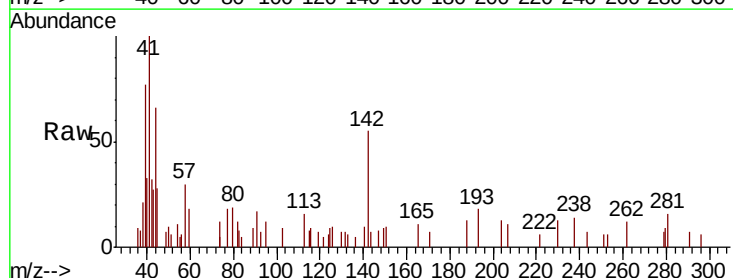
Manual Integrations
APPROVED

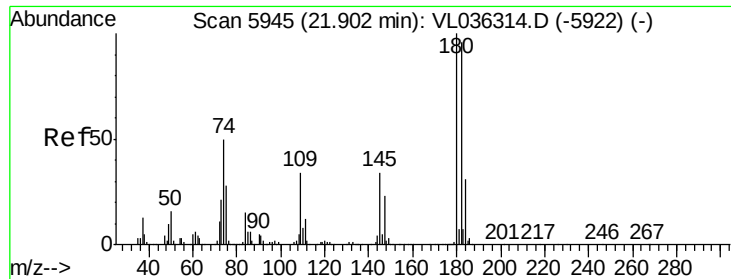
MMDadoda
3/1/2021 10:02:57 AM



#80
Naphthalene, 2-methyl-
Concen: 0.158 ppbv m
RT: 25.09 min Scan# 6936
Delta R.T. 0.13 min
Lab File: VL036387.D
Acq: 25 Feb 2021 18:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	25.7	64.4	96.6#
115	14.5	34.6	51.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.435 ppbv m
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.02 min
 Lab File: VL036387.D
 Acq: 25 Feb 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62035		
182	0.0	80.2	120.4#	
184	26.5	25.0	37.6	

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:02:57 AM

