

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036416.D
 Acq On : 1 Mar 2021 15:53
 Operator : SY/AP
 Sample : M1458-14 0.5 LOQ
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:30:13 PM

Quant Time: Mar 02 03:20:36 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10

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	5.69	49	1692048	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	3818497	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	3390429	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2734404	9.80	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	155990	0.618	ppbv	94
3) Chlorodifluoromethane	3.00	51	117293	0.558	ppbv	100
4) Chloromethane	3.16	50	54502	0.537	ppbv	97
5) Vinyl Chloride	3.27	62	44123	0.467	ppbv	95
6) Bromomethane	3.48	94	31241m	0.556	ppbv	
7) Chloroethane	3.57	64	19726	0.587	ppbv #	86
8) Dichlorotetrafluoroethane	3.20	85	131101	0.571	ppbv	96
9) Propene	3.02	41	47958m	0.612	ppbv	
10) Heptane	8.15	43	100614	0.436	ppbv	94
11) Trichlorofluoromethane	3.97	101	140094	0.567	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.50	101	86931	0.568	ppbv	100
13) Ethanol	3.64	45	21044m	1.429	ppbv	
14) Bromoethene	3.76	108	26892	0.419	ppbv #	70
15) Acetone	3.88	43	131359m	0.635	ppbv	
16) 1,3-Butadiene	3.35	39	57072m	0.577	ppbv	
17) tert-Butyl alcohol	4.32	59	68859	0.429	ppbv #	91
18) 1,1-Dichloroethene	4.31	96	33137	0.476	ppbv	81
19) Isopropyl Alcohol	4.00	45	62783m	0.548	ppbv	
20) Methylene Chloride	4.36	84	41335m	0.619	ppbv	
21) Allyl Chloride	4.43	41	49543	0.430	ppbv	87
22) trans-1,2-Dichloroethene	4.90	96	35296m	0.558	ppbv	
23) Vinyl Acetate	5.10	43	102610	0.422	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	100209	0.557	ppbv	96
25) Ethyl Acetate	5.71	43	184340	0.462	ppbv #	96
26) Hexane	5.71	57	72539	0.442	ppbv #	76
27) Carbon Disulfide	4.57	76	70521	0.468	ppbv	94
28) Methyl tert-Butyl Ether	5.07	73	96441	0.450	ppbv	96
29) Chloroform	5.77	83	146177m	0.553	ppbv	
30) Cyclohexane	7.16	84	70659m	0.518	ppbv	
31) cis-1,2-Dichloroethene	5.57	61	64586	0.398	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	129747m	0.525	ppbv	
34) 2-Butanone	5.28	43	117135m	0.462	ppbv	
35) Carbon Tetrachloride	7.04	117	127004	0.496	ppbv	92
36) Benzene	6.92	78	141683	0.437	ppbv #	90
37) 1,2-Dichloroethane	6.33	62	92792	0.463	ppbv #	97
38) Trichloroethene	7.86	130	55807m	0.480	ppbv	
39) 1,2-Dichloropropane	7.64	63	70550m	0.535	ppbv	
40) 1,4-Dioxane	7.90	88	24101m	0.528	ppbv	
41) Tetrahydrofuran	6.09	42	47598m	0.336	ppbv	
42) Bromodichloromethane	7.82	83	134181m	0.500	ppbv	
43) Methyl Methacrylate	8.04	69	51831m	0.379	ppbv	

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 3/2/2021 3:30:13 PM

Quant Time: Mar 02 03:20:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed 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)

44) 2,2,4-Trimethylpentane	7.89	57	286659	0.486	ppbv	93
45) t-1,3-Dichloropropene	9.31	75	38269	0.290	ppbv	90
46) cis-1,3-Dichloropropene	8.73	75	61934m	0.369	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	66271	0.491	ppbv	92
48) Dibromochloromethane	10.33	129	85730	0.426	ppbv	89
49) Bromoform	13.07	173	69430m	0.427	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	159729m	0.424	ppbv	
51) 2-Hexanone	10.19	43	106163m	0.371	ppbv	
52) Tetrachloroethene	11.25	164	52466m	0.442	ppbv	
53) Toluene	9.83	91	133820m	0.381	ppbv	
54) 1,2-Dibromoethane	10.64	107	84014	0.431	ppbv	81
56) 1,1,1,2-Tetrachloroethane	12.15	131	87779m	0.563	ppbv	
57) Chlorobenzene	12.17	112	151576m	0.579	ppbv	
58) Ethyl Benzene	12.74	91	196277	0.423	ppbv	96
59) m/p-Xylene	13.02	91	375549m	0.921	ppbv	
60) o-Xylene	13.72	91	198526m	0.509	ppbv	
61) Styrene	13.56	104	81880m	0.339	ppbv	
62) Isopropylbenzene	14.70	105	297636	0.509	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	167016m	0.543	ppbv	
64) n-propylbenzene	15.59	120	71222m	0.495	ppbv	
65) tert-Butylbenzene	16.78	119	236564	0.473	ppbv	93
66) Benzyl Chloride	17.03	91	54952m	0.404	ppbv	
67) sec-Butylbenzene	17.33	105	351284	0.487	ppbv	98
69) p-Isopropyltoluene	17.68	119	245559	0.441	ppbv	95
70) n-Butylbenzene	18.58	91	258985m	0.433	ppbv	
71) 2-Chlorotoluene	15.48	91	212821m	0.475	ppbv	
72) 4-Ethyltoluene	15.86	105	188761m	0.435	ppbv	
73) 1,3,5-Trimethylbenzene	16.03	105	163770	0.389	ppbv	93
74) 1,2,4-Trimethylbenzene	16.79	105	220564m	0.514	ppbv	
75) 1,3-Dichlorobenzene	17.02	146	130756m	0.561	ppbv	
76) 1,4-Dichlorobenzene	17.17	146	120529m	0.498	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	114542m	0.495	ppbv	

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

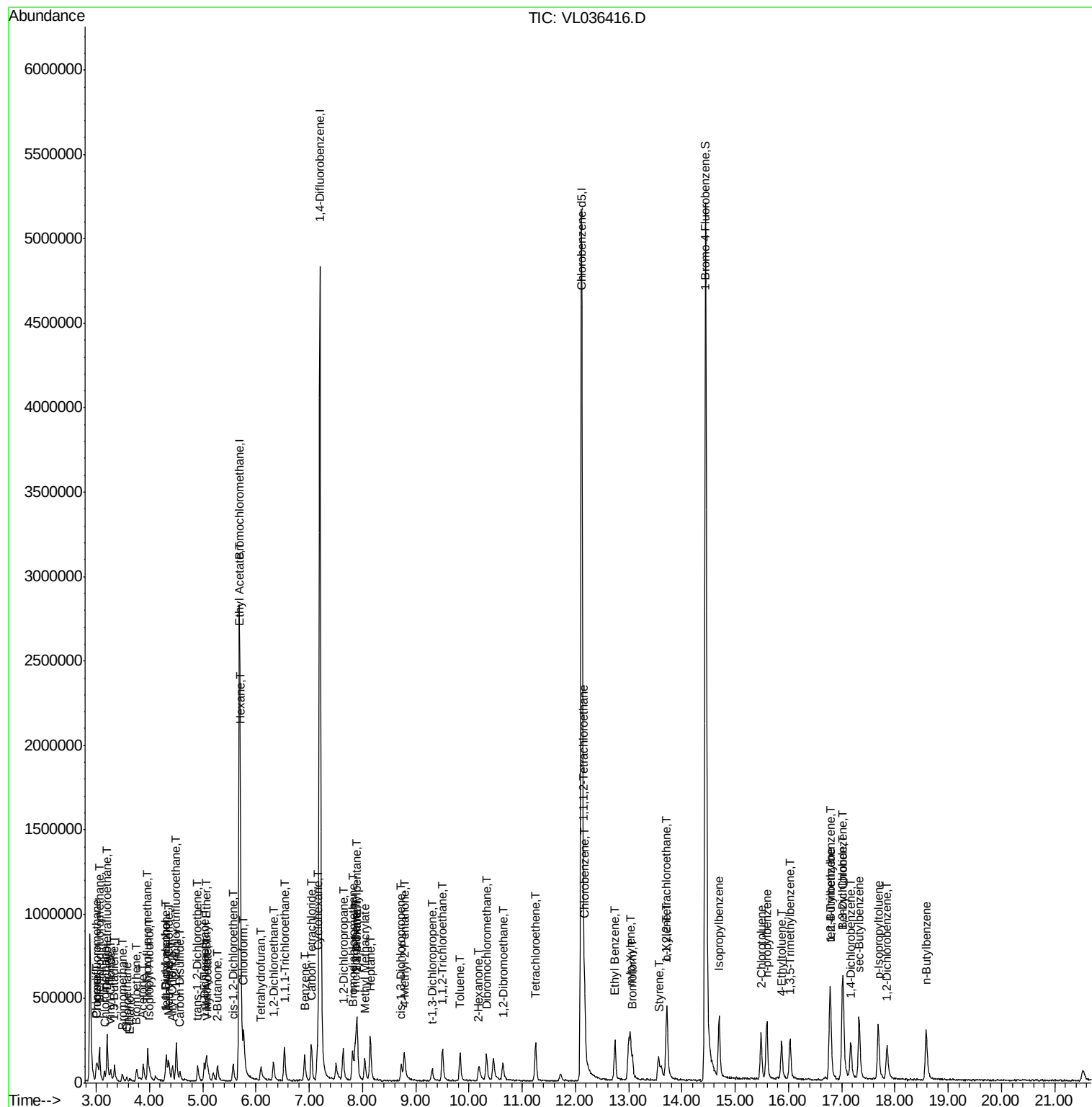
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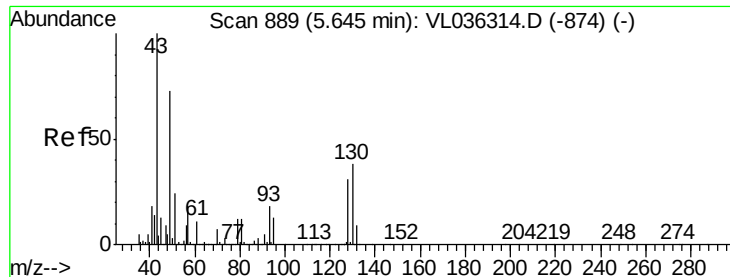
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Quant Time: Mar 02 03:20:36 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
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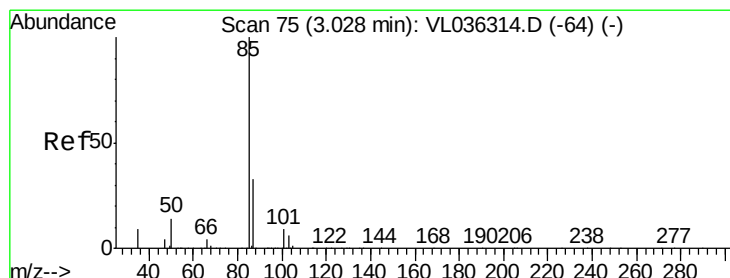
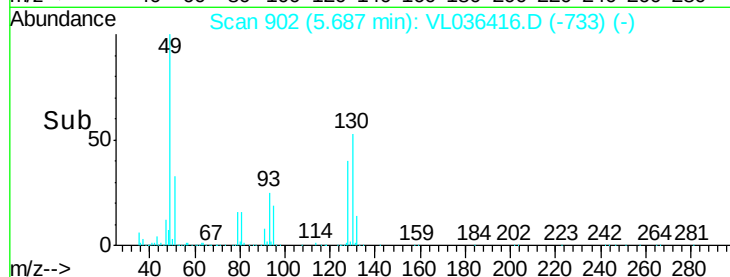
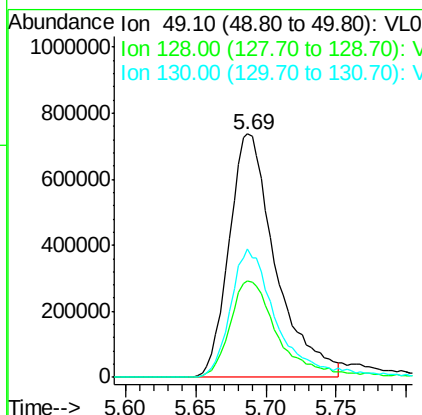
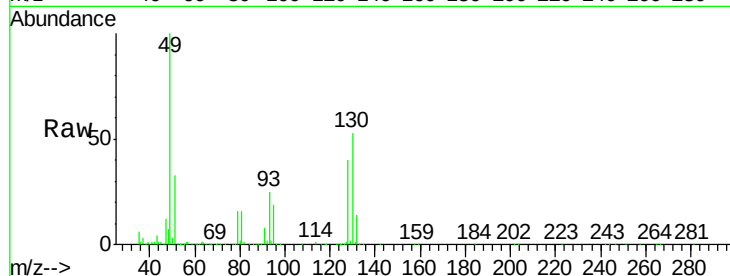
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.04 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion: 49 Resp: 1692048
Ion Ratio Lower Upper
49 100
128 42.6 20.8 62.5
130 54.7 26.7 80.1

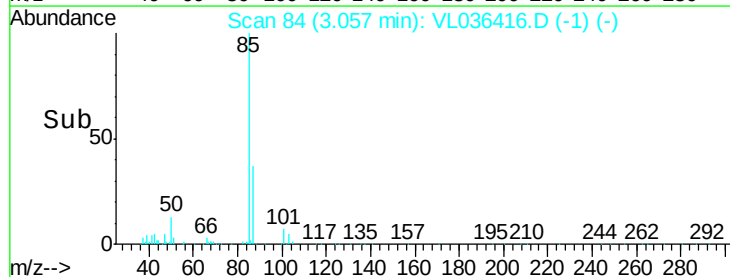
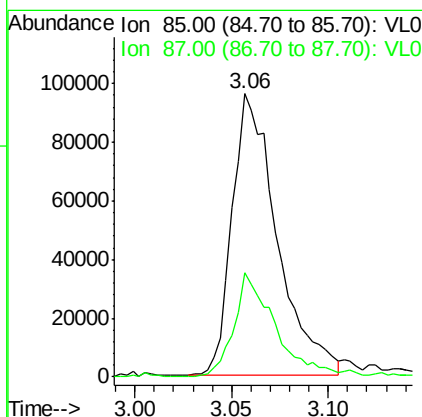
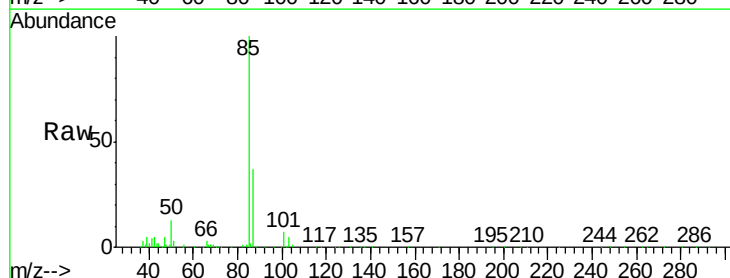
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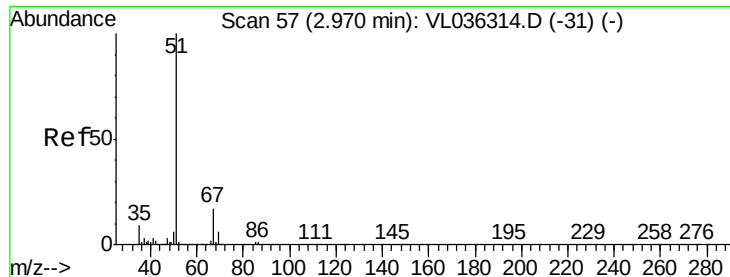
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#2
Dichlorodifluoromethane
Concen: 0.618 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.03 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion: 85 Resp: 155990
Ion Ratio Lower Upper
85 100
87 36.5 26.5 39.7





#3

Chlorodifluoromethane

Concen: 0.558 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.03 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion: 51 Resp: 117293

Ion Ratio Lower Upper

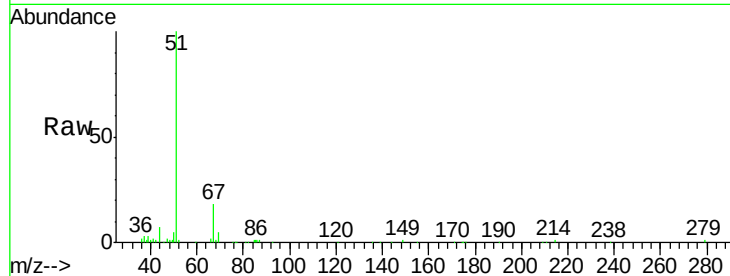
51 100

67 18.6 14.7 22.1

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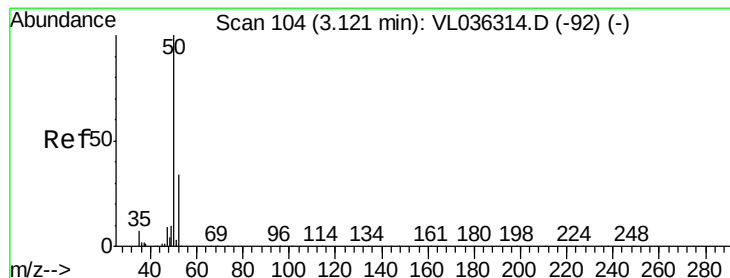
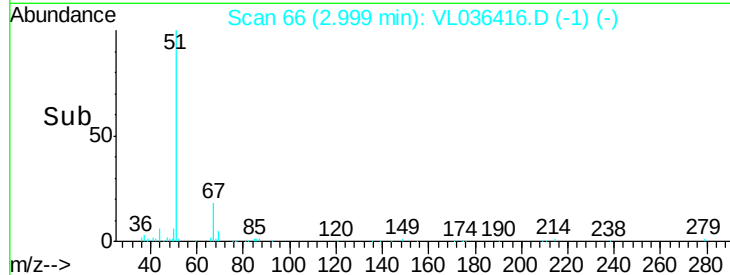
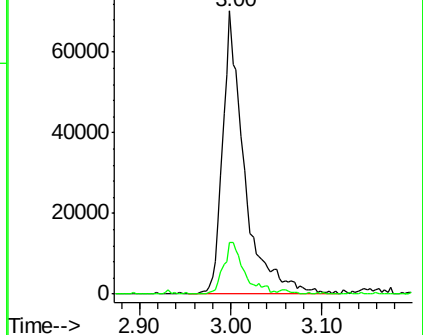
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.537 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.04 min

Lab File: VL036416.D

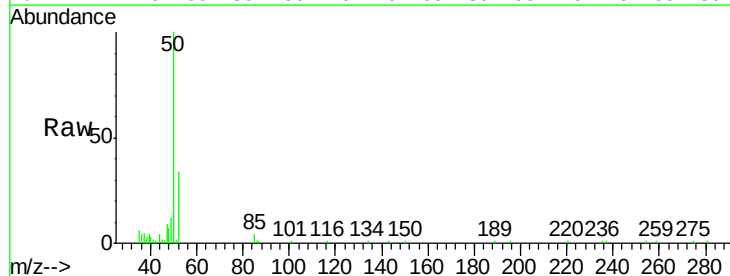
Acq: 1 Mar 2021 15:53

Tgt Ion: 50 Resp: 54502

Ion Ratio Lower Upper

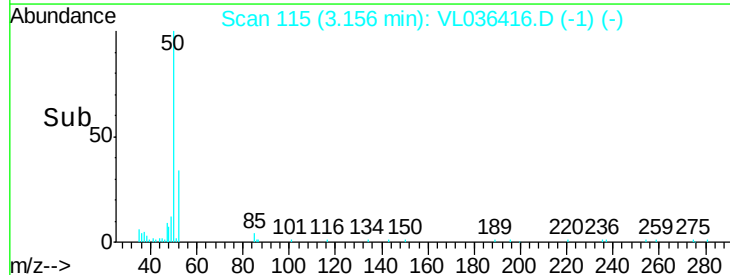
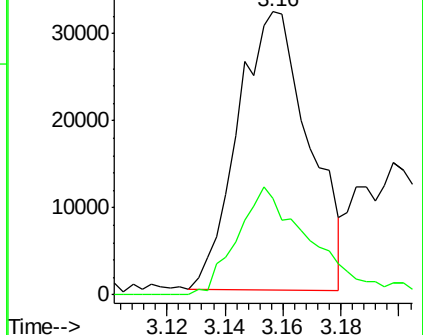
50 100

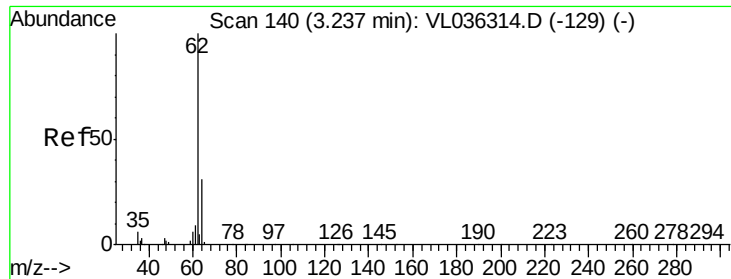
52 35.2 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.467 ppbv

RT: 3.27 min Scan# 151

Delta R.T. 0.04 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

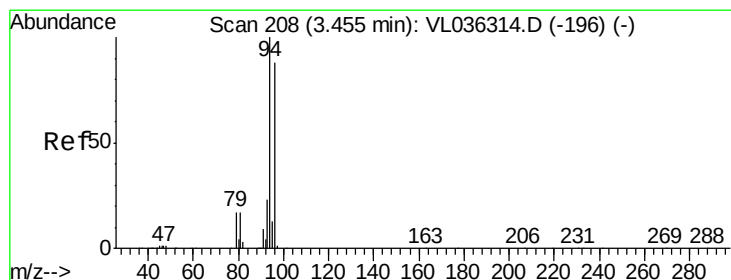
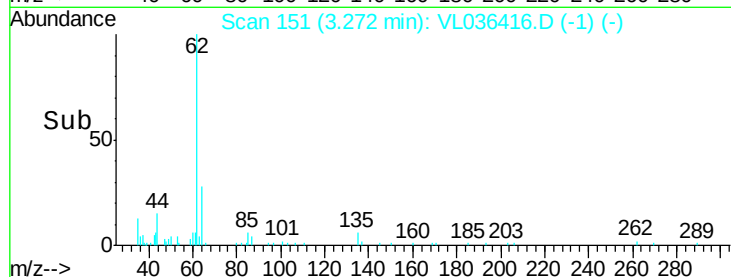
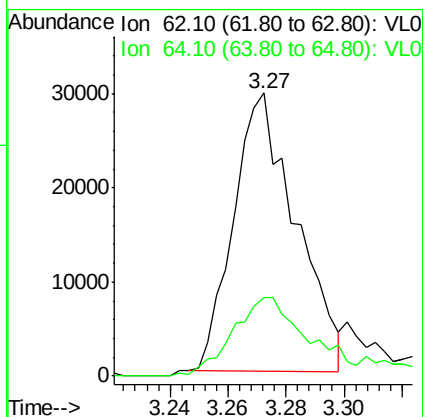
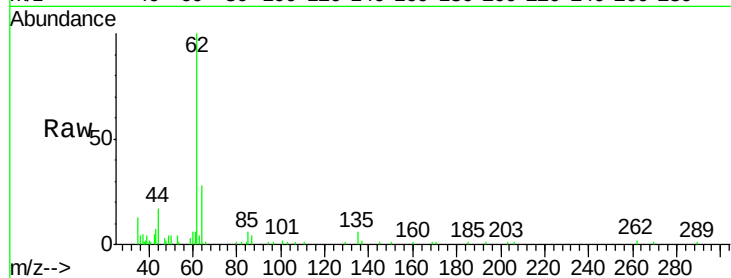
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
62	100		
64	27.8	24.4	36.6

Manual Integrations
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#6

Bromomethane

Concen: 0.556 ppbv m

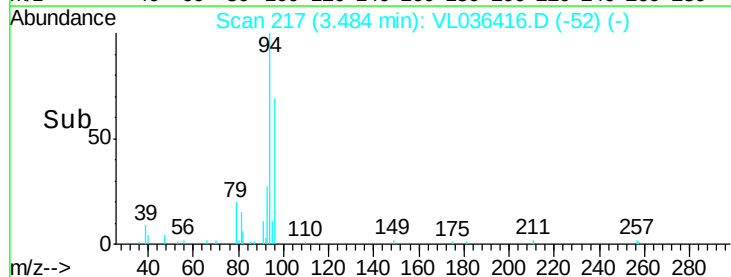
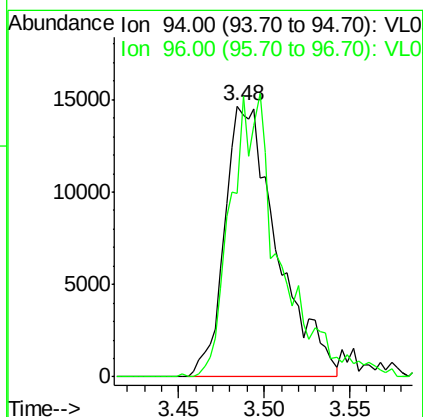
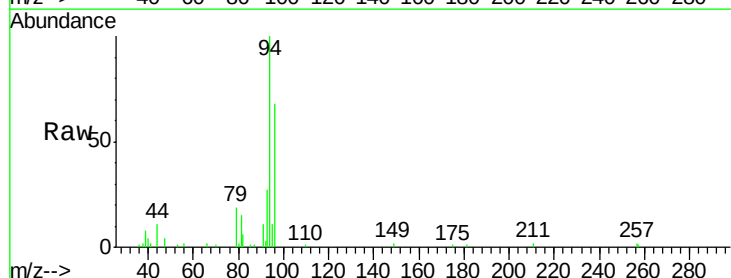
RT: 3.48 min Scan# 217

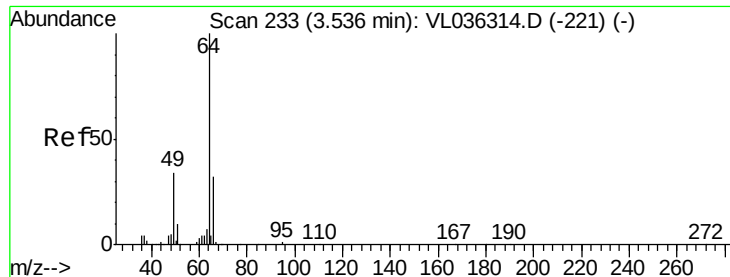
Delta R.T. 0.03 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
94	100		
96	67.8	70.8	106.2





#7

Chloroethane

Concen: 0.587 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.04 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion: 64 Resp: 19726

Ion Ratio Lower Upper

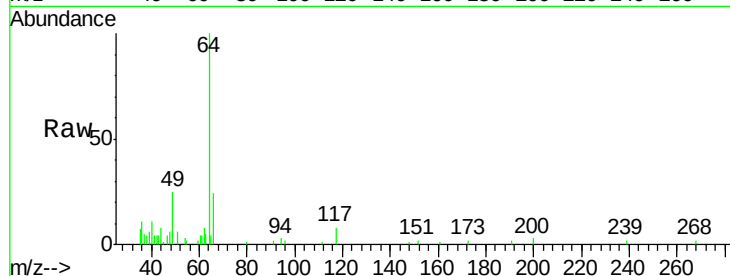
64 100

66 24.1 25.6 38.4#

Manual Integrations
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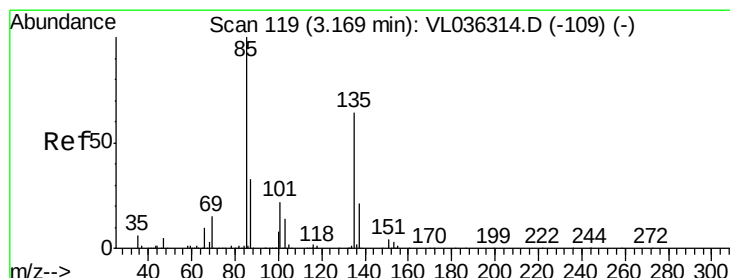
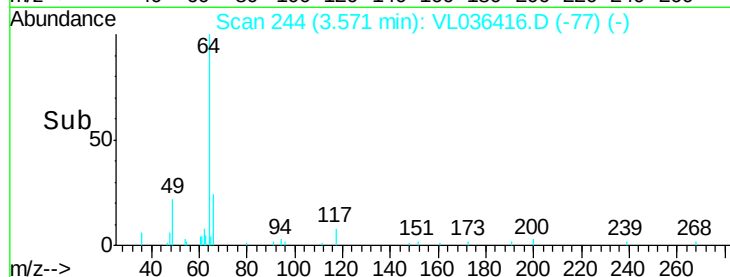
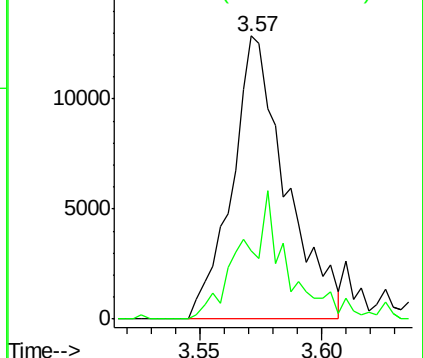
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.571 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.04 min

Lab File: VL036416.D

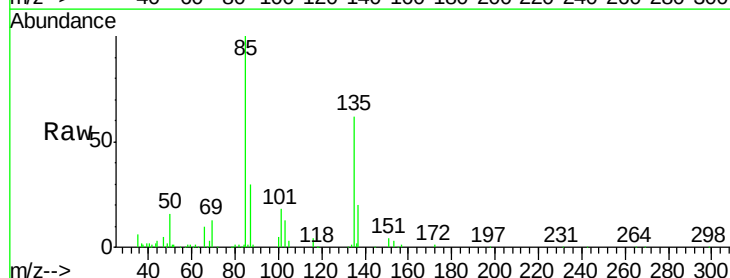
Acq: 1 Mar 2021 15:53

Tgt Ion: 85 Resp: 131101

Ion Ratio Lower Upper

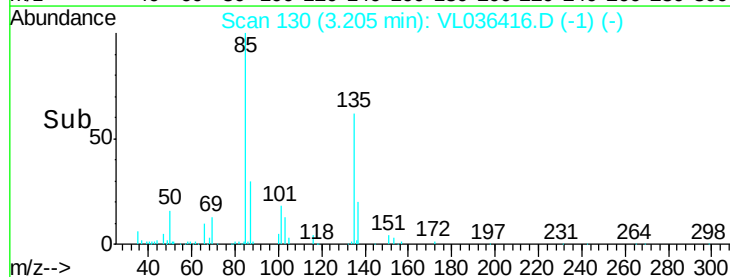
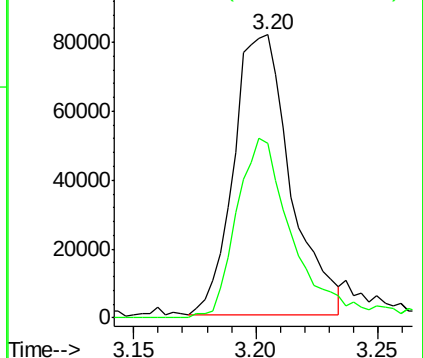
85 100

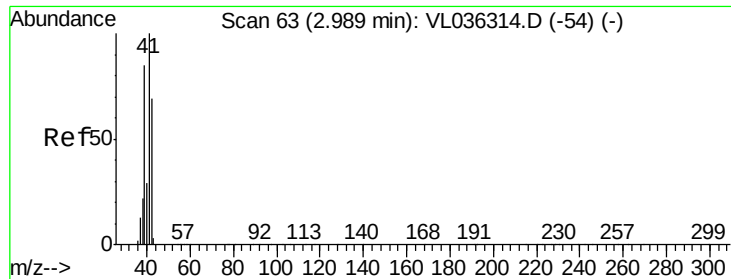
135 66.8 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.612 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.04 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion: 41 Resp: 47958

Ion Ratio Lower Upper

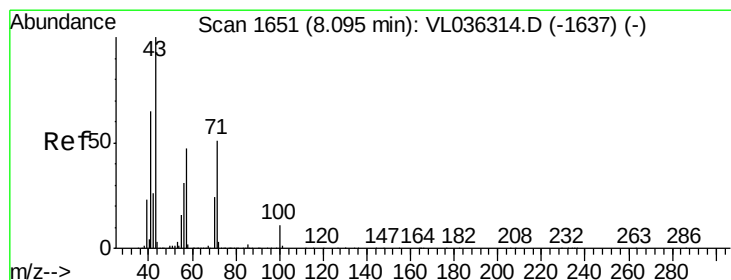
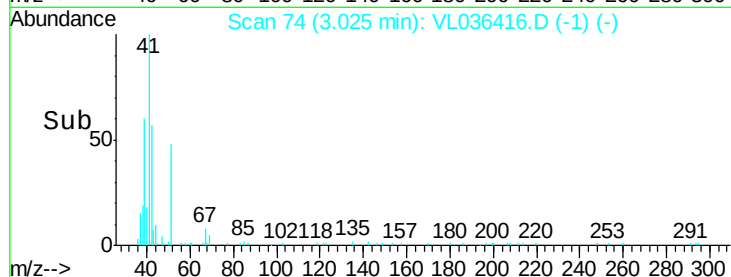
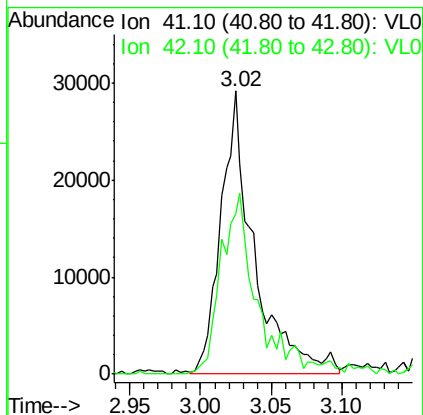
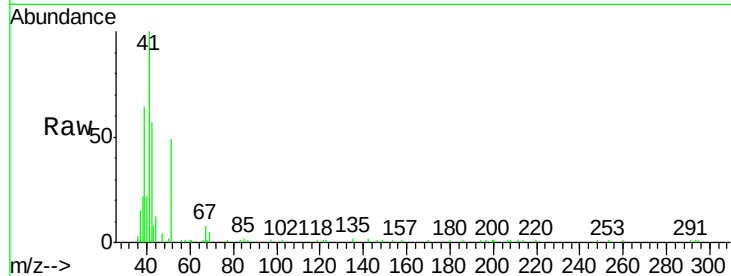
41 100

42 70.0 56.2 84.2

Manual Integrations
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#10

Heptane

Concen: 0.436 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.05 min

Lab File: VL036416.D

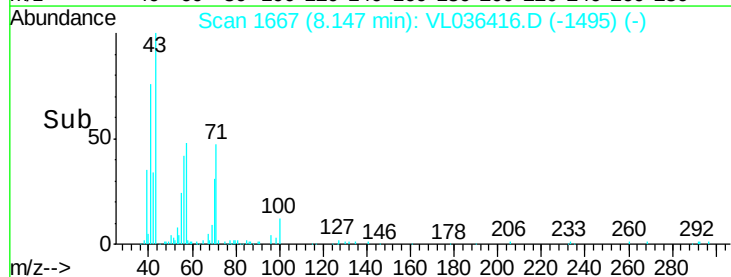
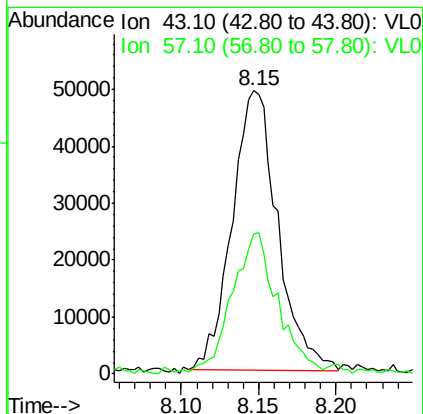
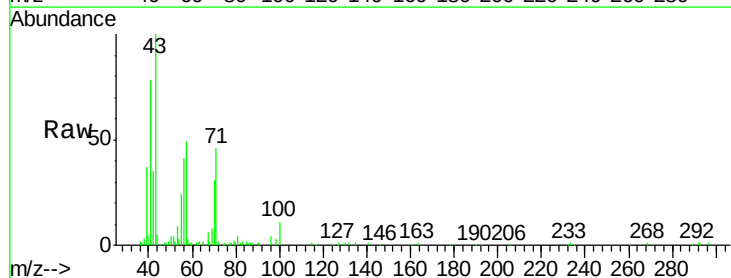
Acq: 1 Mar 2021 15:53

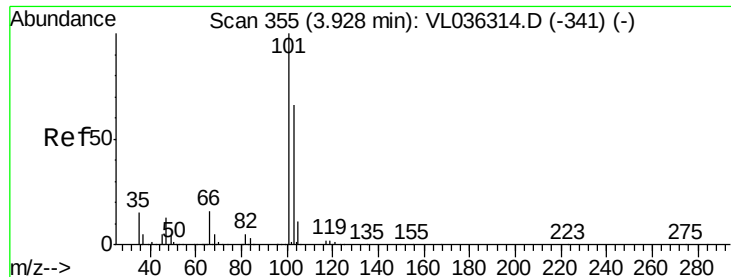
Tgt Ion: 43 Resp: 100614

Ion Ratio Lower Upper

43 100

57 53.6 39.4 59.2





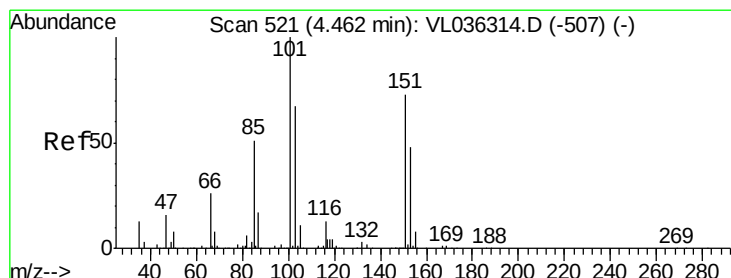
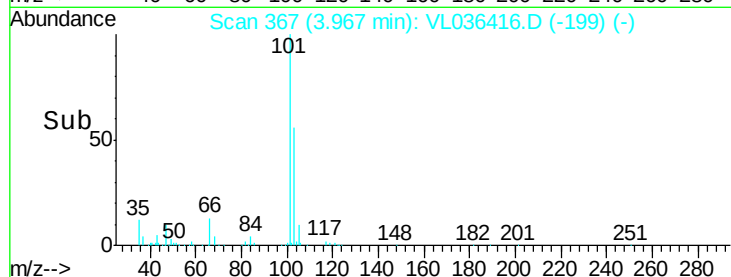
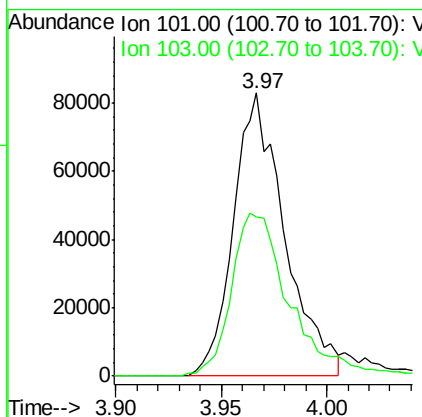
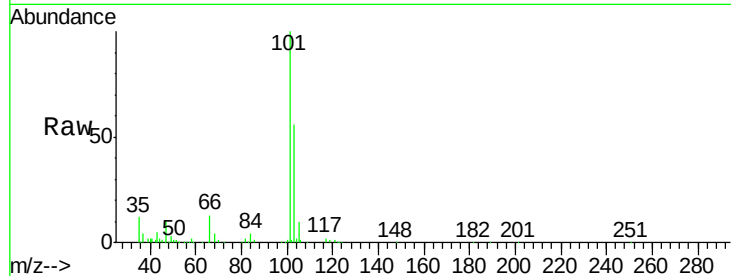
#11
 Trichlorofluoromethane
 Concen: 0.567 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.04 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion:101 Resp: 140094
 Ion Ratio Lower Upper
 101 100
 103 55.3 52.9 79.3

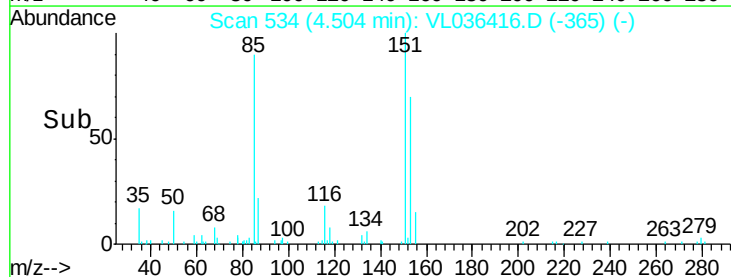
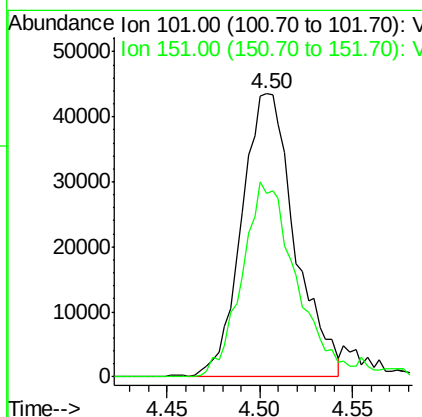
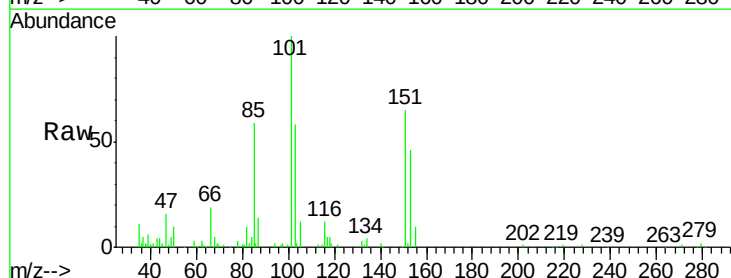
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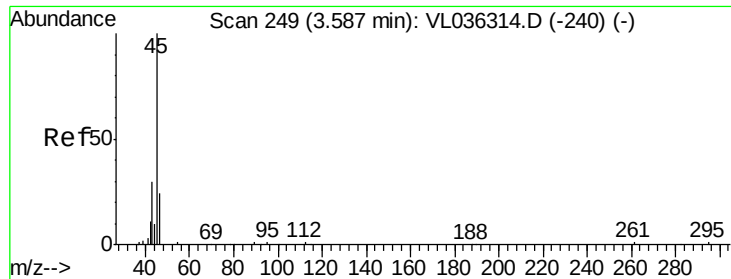
MMDadoda
 3/2/2021 3:30:13 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.568 ppbv
 RT: 4.50 min Scan# 534
 Delta R.T. 0.04 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

Tgt Ion:101 Resp: 86931
 Ion Ratio Lower Upper
 101 100
 151 72.4 58.2 87.4





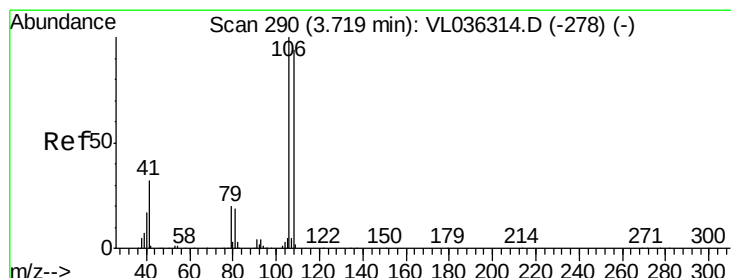
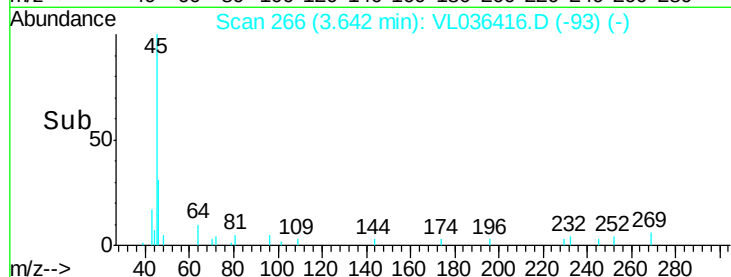
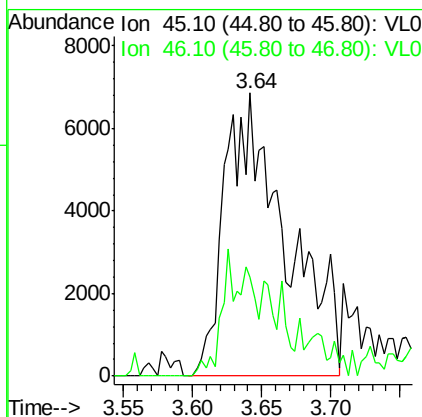
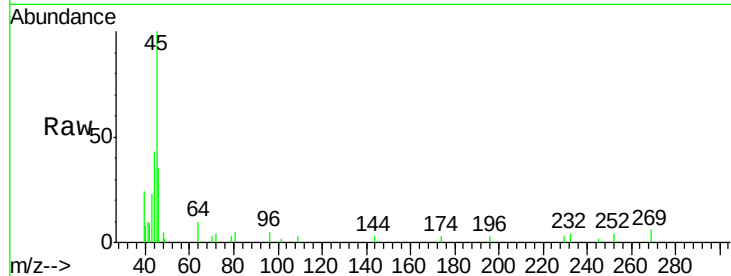
#13
Ethanol
Concen: 1.429 ppbv m
RT: 3.64 min Scan# 266
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion: 45 Resp: 21044
Ion Ratio Lower Upper
45 100
46 32.9 17.7 70.7

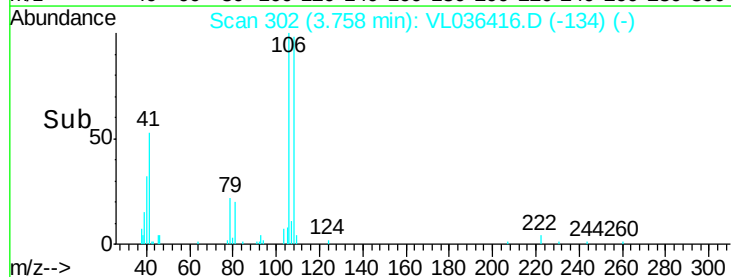
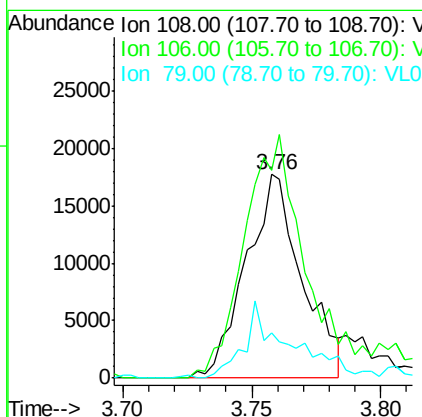
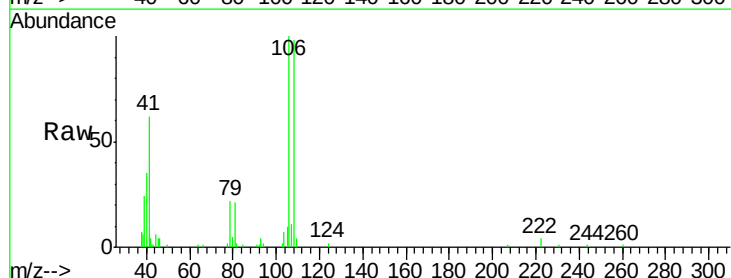
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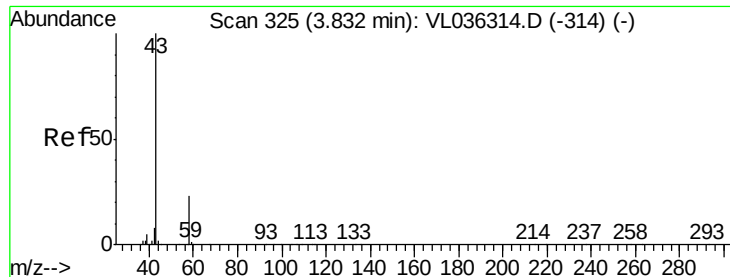
MMDadoda
3/2/2021 3:30:13 PM



#14
Bromoethene
Concen: 0.419 ppbv
RT: 3.76 min Scan# 302
Delta R.T. 0.04 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion: 108 Resp: 26892
Ion Ratio Lower Upper
108 100
106 145.1 89.8 134.8#
79 34.3 17.1 25.7#





#15

Acetone

Concen: 0.635 ppbv m

RT: 3.88 min Scan# 340

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion: 43 Resp: 131359

Ion Ratio Lower Upper

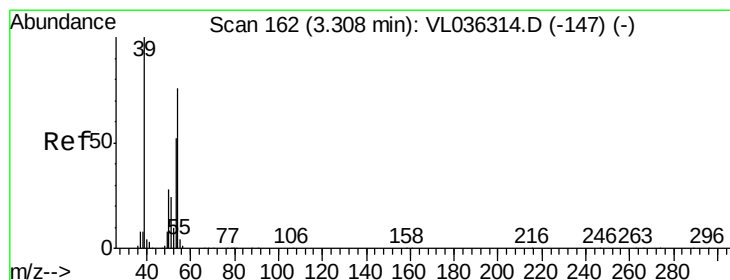
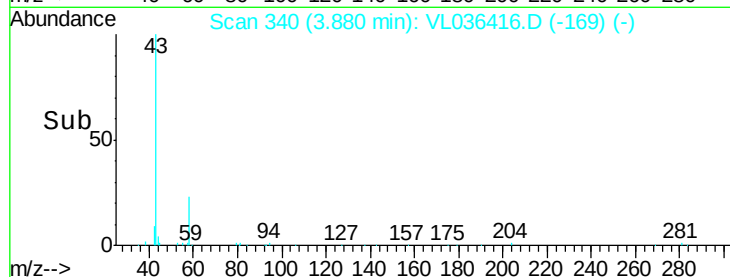
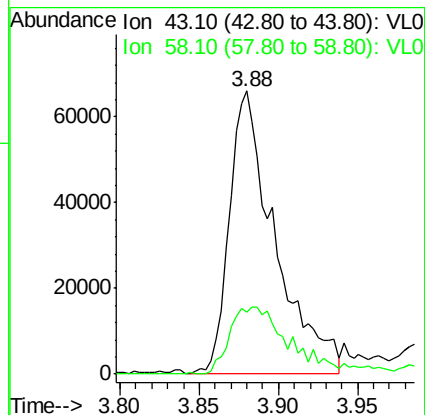
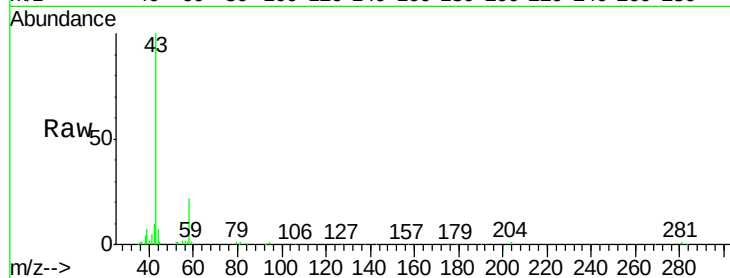
43 100

58 32.8 20.3 30.5#

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#16

1,3-Butadiene

Concen: 0.577 ppbv m

RT: 3.35 min Scan# 174

Delta R.T. 0.04 min

Lab File: VL036416.D

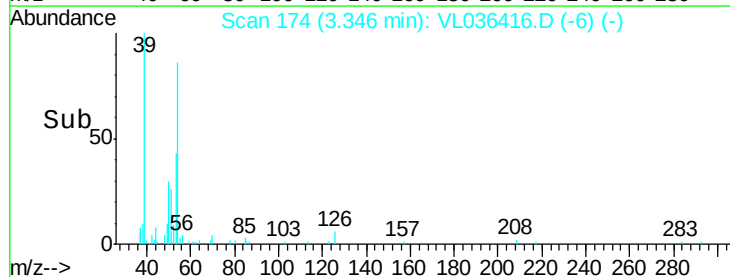
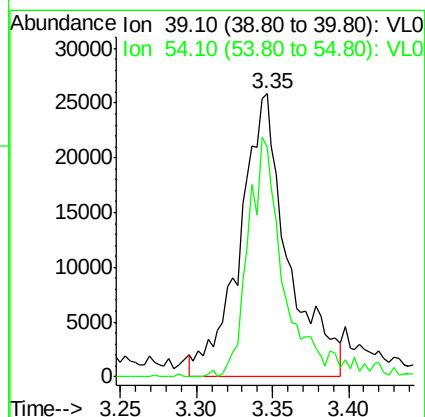
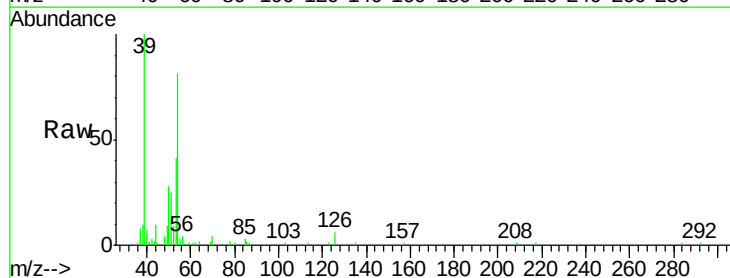
Acq: 1 Mar 2021 15:53

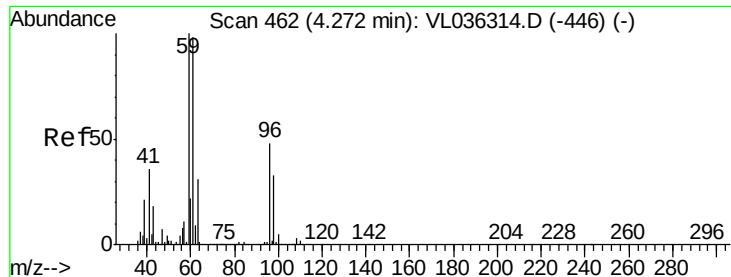
Tgt Ion: 39 Resp: 57072

Ion Ratio Lower Upper

39 100

54 0.0 64.4 96.6#





#17

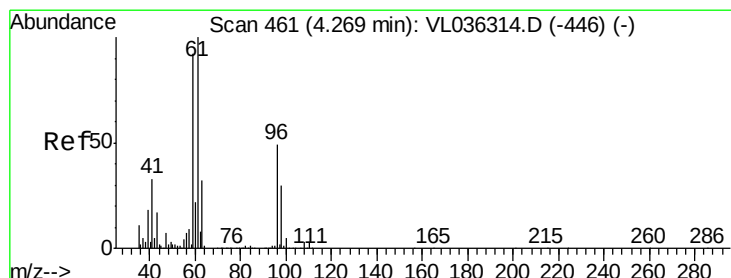
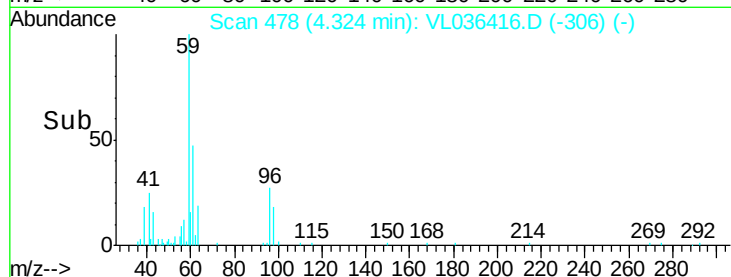
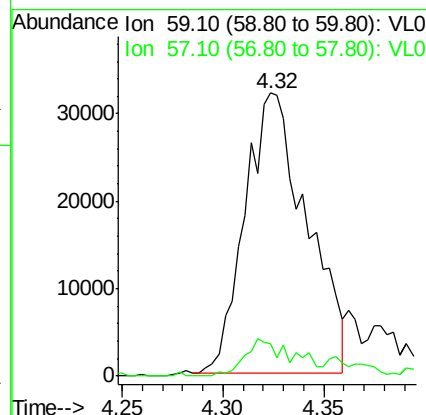
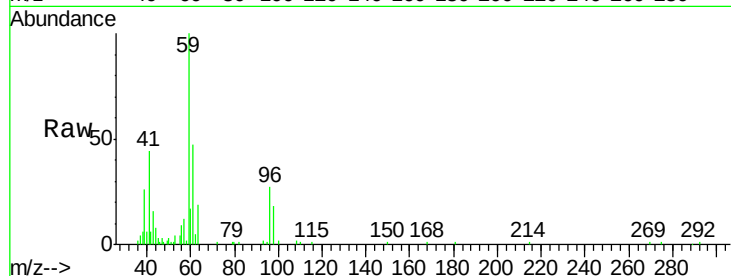
tert-Butyl alcohol
Concen: 0.429 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion: 59 Resp: 68859
Ion Ratio Lower Upper
59 100
57 14.6 9.0 13.4#

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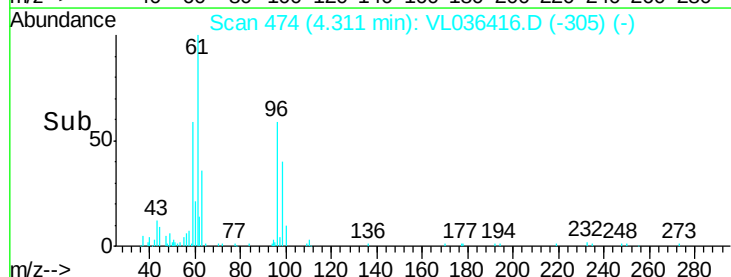
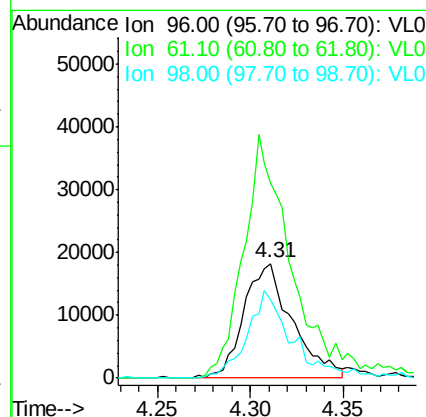
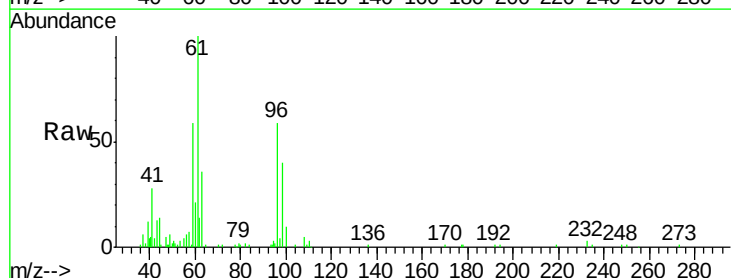
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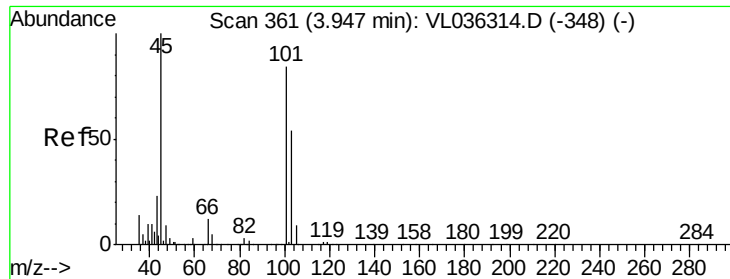


#18

1,1-Dichloroethene
Concen: 0.476 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.04 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion: 96 Resp: 33137
Ion Ratio Lower Upper
96 100
61 170.8 162.5 243.7
98 68.4 48.5 72.7





#19

Isopropyl Alcohol

Concen: 0.548 ppbv m

RT: 4.00 min Scan# 376

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
45	100		
58	9.9	1.9	2.9#

Instrument :

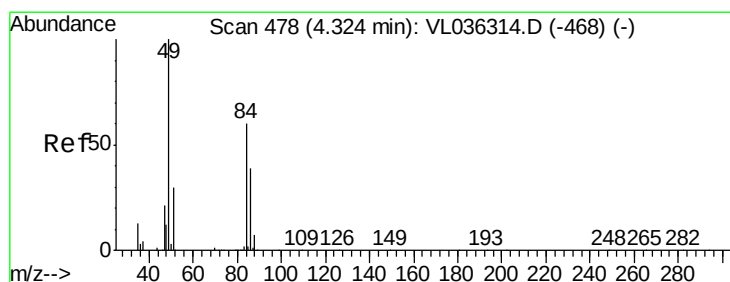
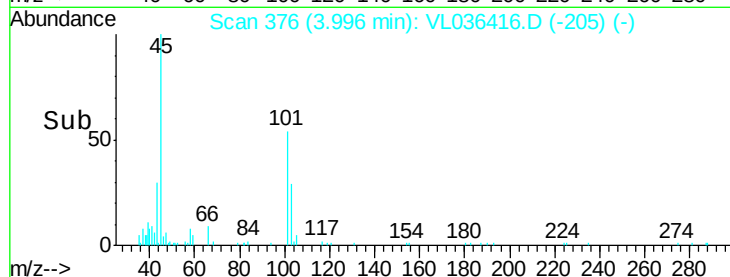
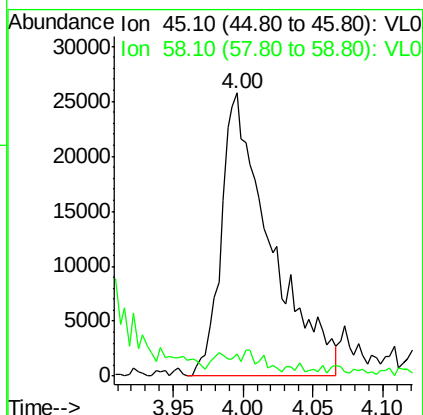
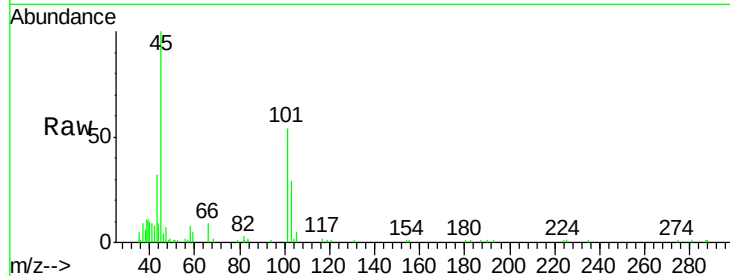
MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

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#20

Methylene Chloride

Concen: 0.619 ppbv m

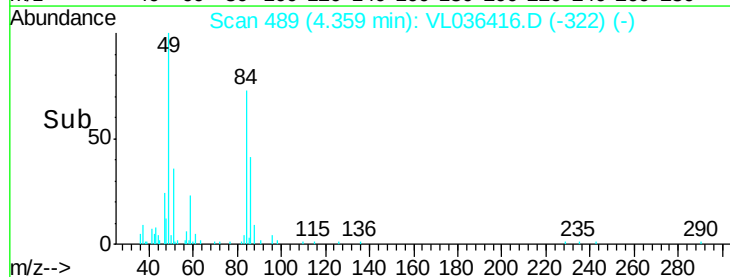
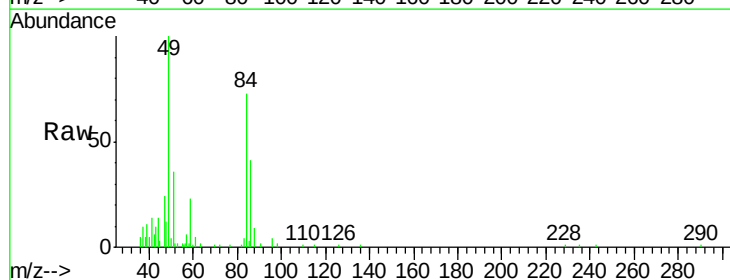
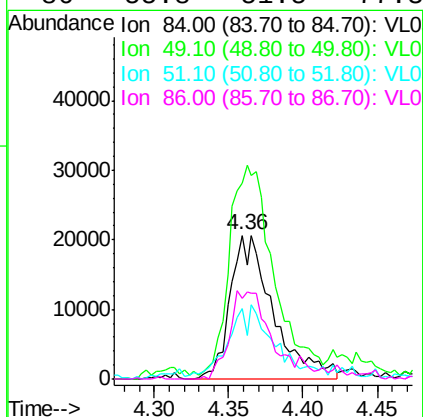
RT: 4.36 min Scan# 489

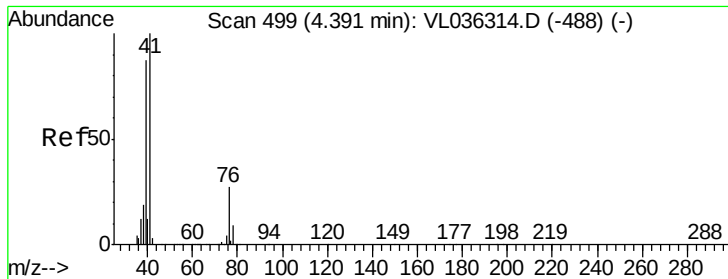
Delta R.T. 0.04 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.5	133.8	200.8
51	49.2	41.4	62.0
86	55.8	51.5	77.3





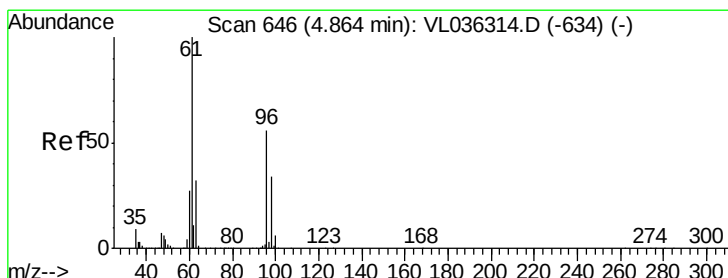
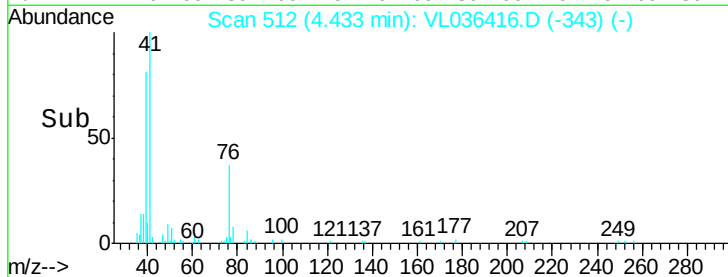
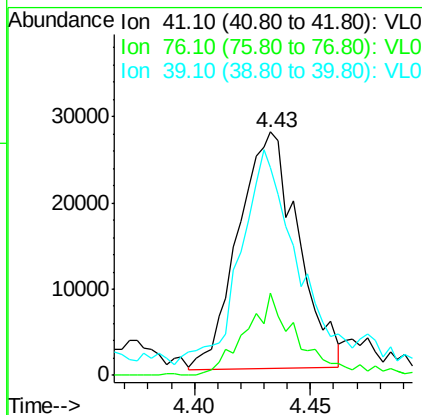
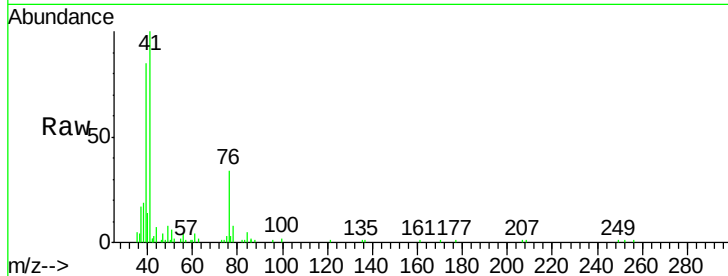
#21
 Allyl Chloride
 Concen: 0.430 ppbv
 RT: 4.43 min Scan# 512
 Delta R.T. 0.04 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Lower	Upper
41	100		
76	31.5	22.0	33.0
39	100.8	70.2	105.2

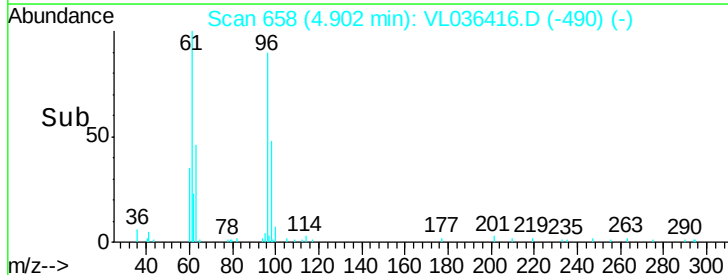
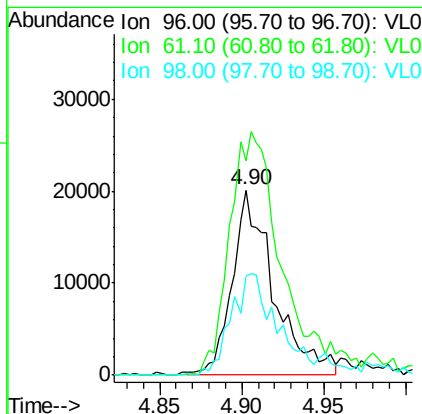
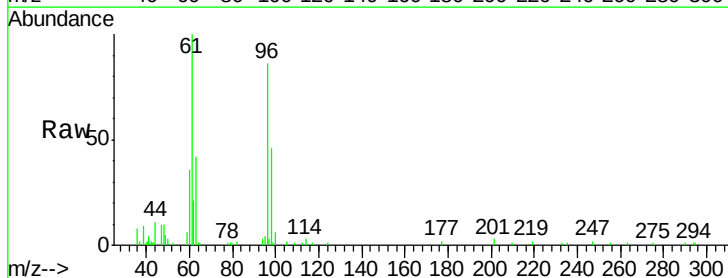
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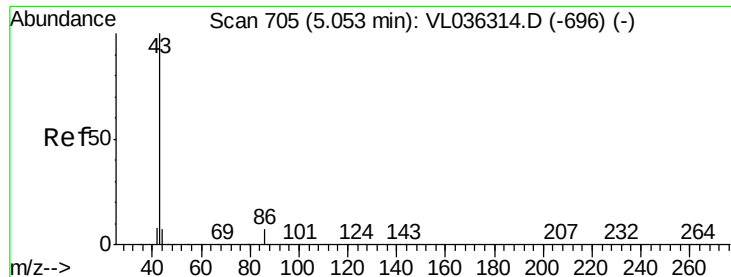
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 0.558 ppbv m
 RT: 4.90 min Scan# 658
 Delta R.T. 0.04 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	116.0	143.7	215.5#
98	53.5	48.5	72.7





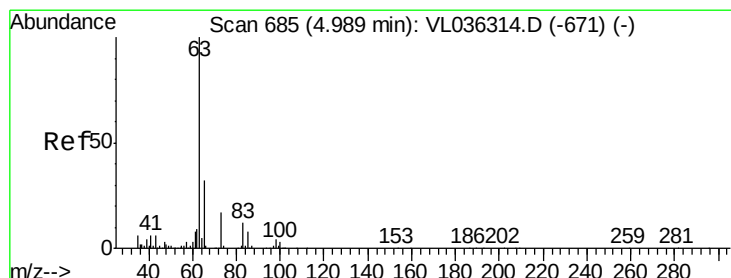
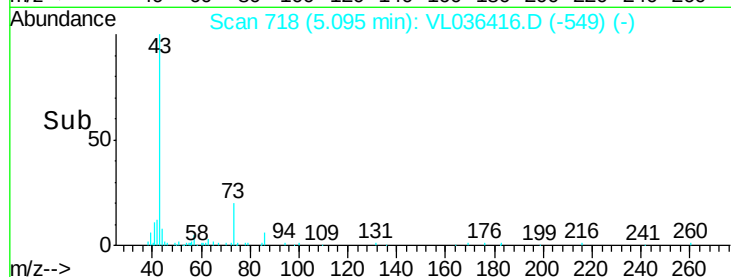
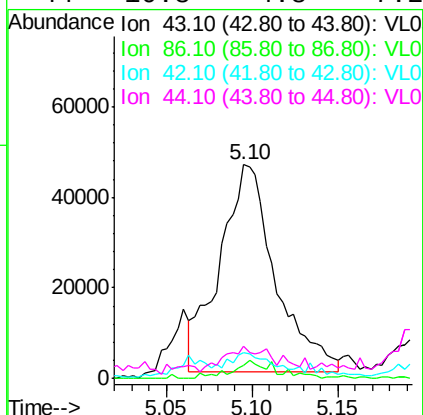
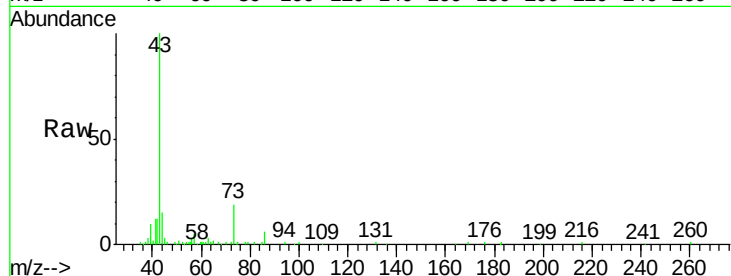
#23
 Vinyl Acetate
 Concen: 0.422 ppbv
 RT: 5.10 min Scan# 718
 Delta R.T. 0.04 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.4	4.8	7.2
42	11.6	7.4	11.0#
44	10.8	4.8	7.2#

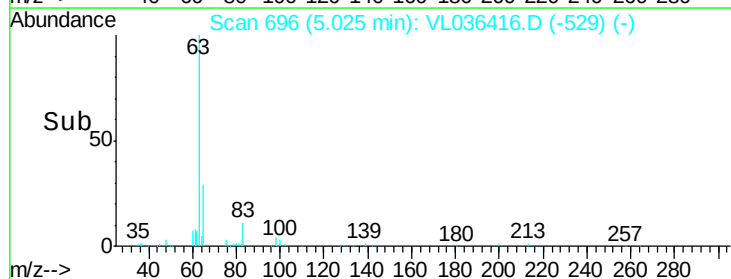
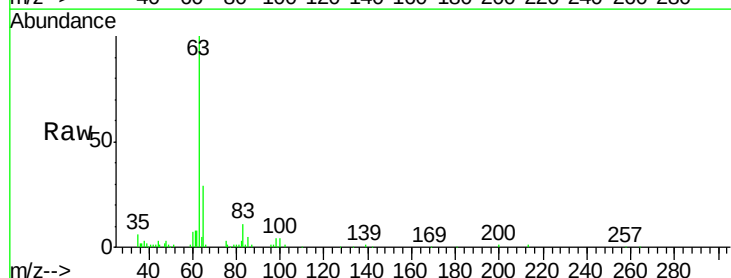
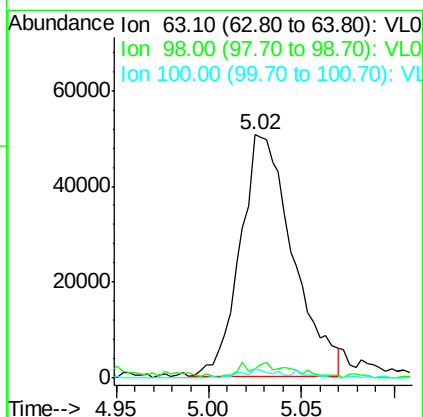
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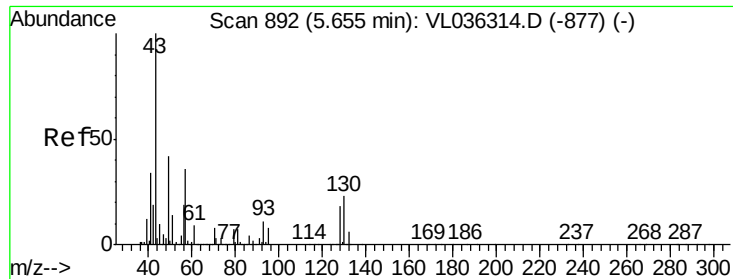
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#24
 1,1-Dichloroethane
 Concen: 0.557 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T. 0.04 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
63	100		
98	2.5	2.0	6.0
100	3.9	1.5	4.4





#25

Ethyl Acetate

Concen: 0.462 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

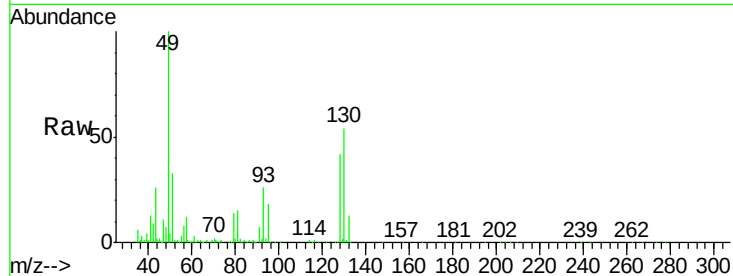
ClientSampleId :

LOQ-AIR-01-QT1-2021

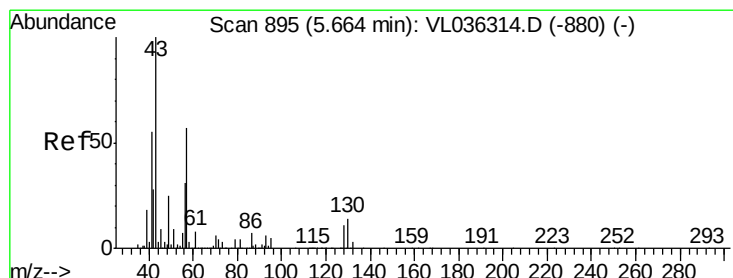
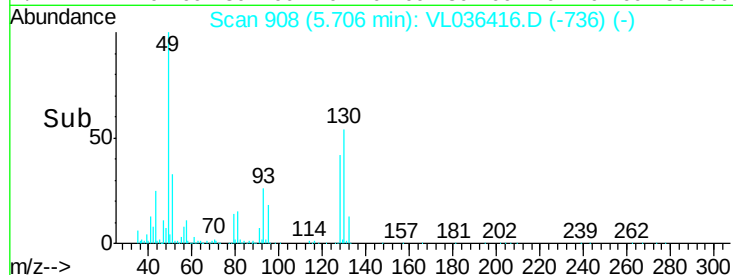
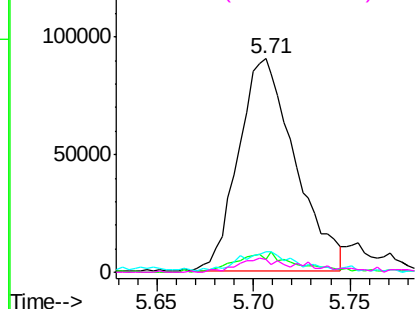
Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.3	12.5
61	11.9	7.3	10.9
70	7.7	5.4	8.0

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



#26

Hexane

Concen: 0.442 ppbv

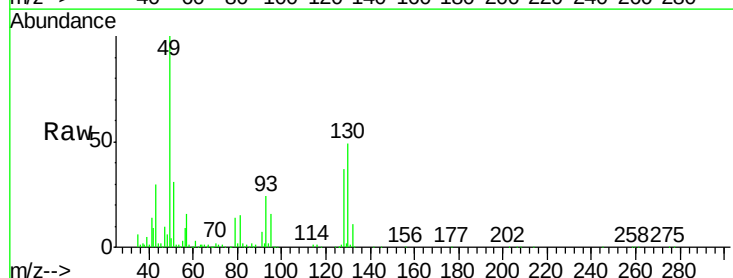
RT: 5.71 min Scan# 910

Delta R.T. 0.05 min

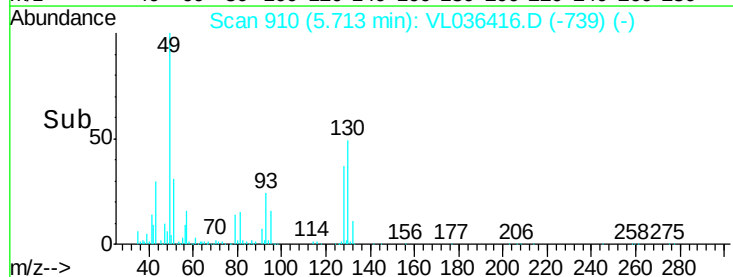
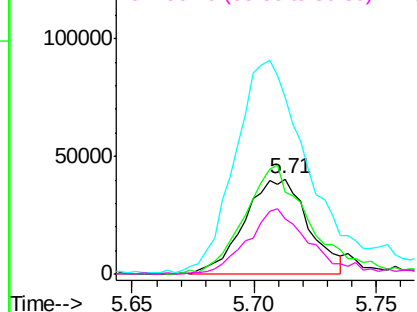
Lab File: VL036416.D

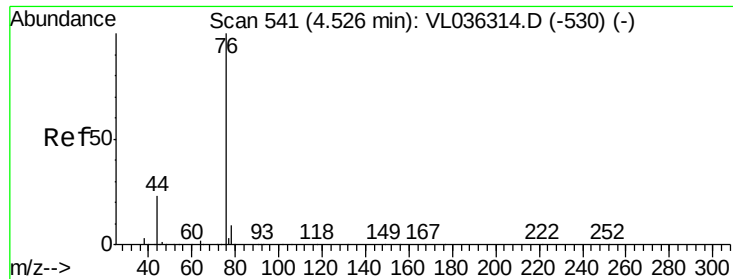
Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	125.9	81.7	122.5
43	292.9	199.1	298.7
56	70.6	44.0	66.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.468 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.04 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

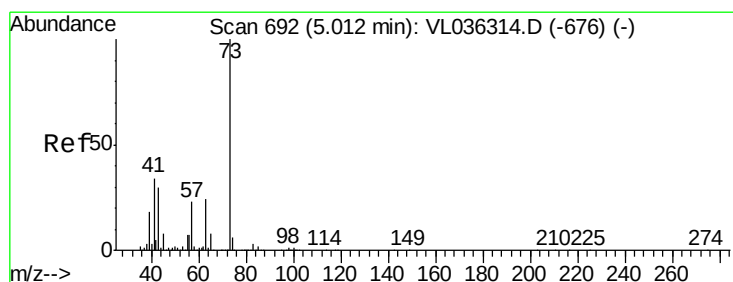
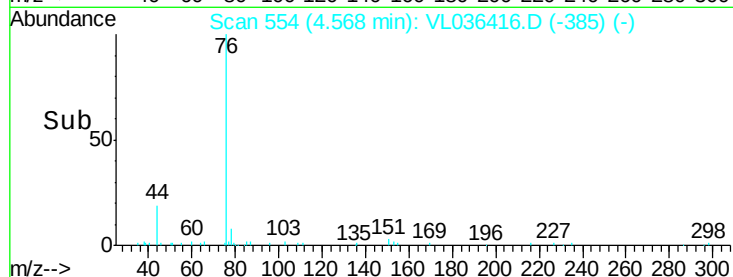
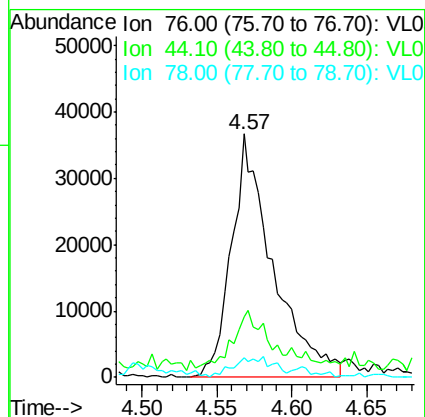
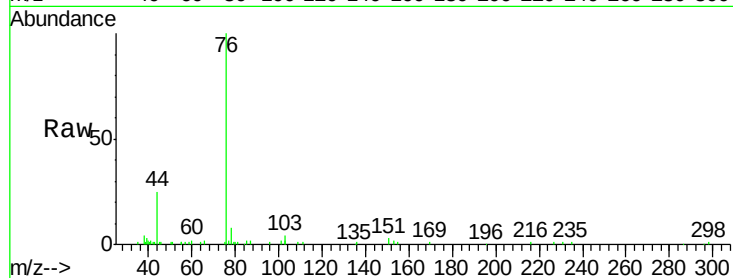
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
76	100		
44	26.1	18.4	27.6
78	11.2	8.0	12.0

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#28

Methyl tert-Butyl Ether

Concen: 0.450 ppbv

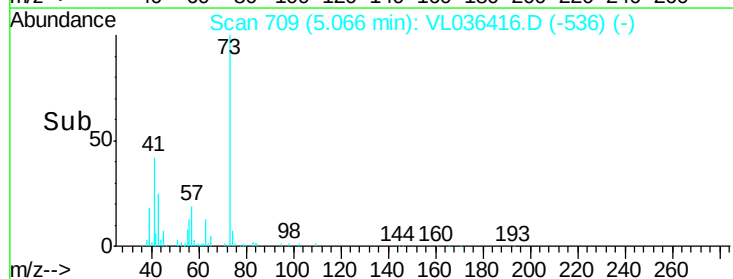
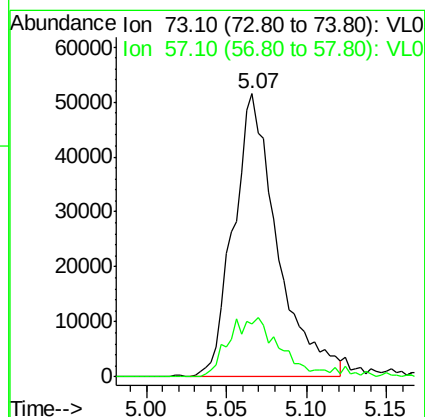
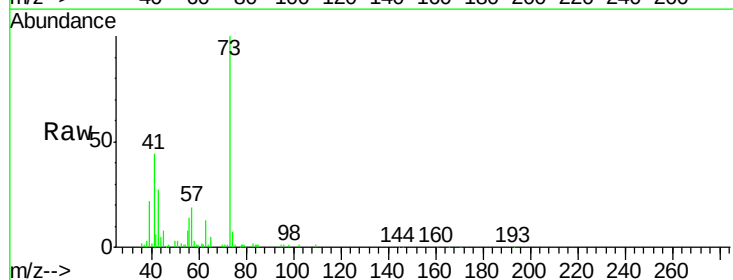
RT: 5.07 min Scan# 709

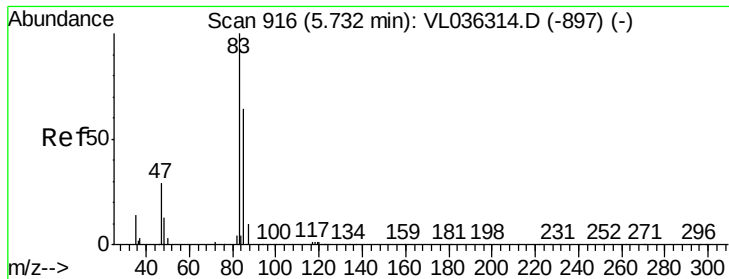
Delta R.T. 0.05 min

Lab File: VL036416.D

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Tgt Ion	Ratio	Lower	Upper
73	100		
57	25.8	19.2	28.8





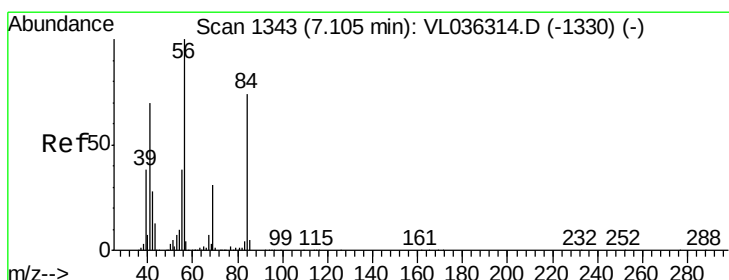
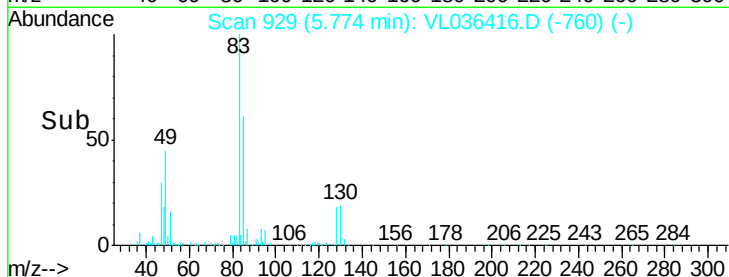
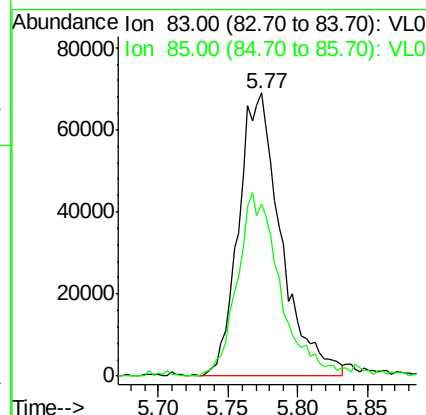
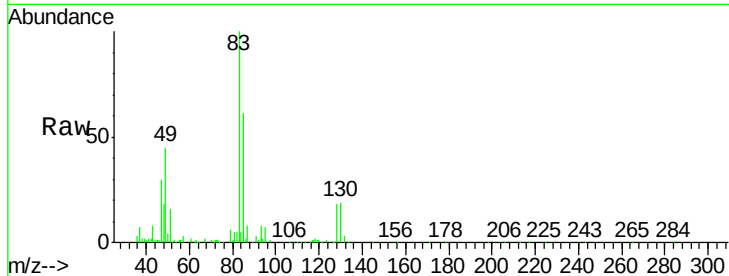
#29
Chloroform
Concen: 0.553 ppbv m
RT: 5.77 min Scan# 929
Delta R.T. 0.04 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion: 83 Resp: 146177
Ion Ratio Lower Upper
83 100
85 60.6 51.4 77.2

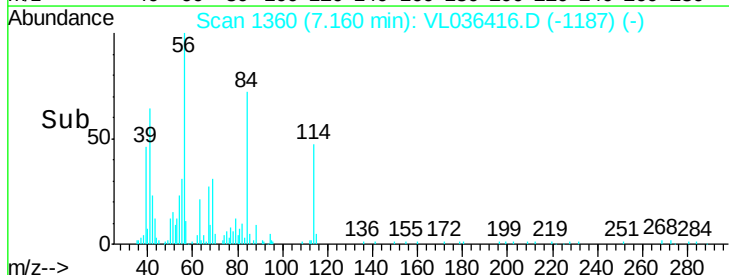
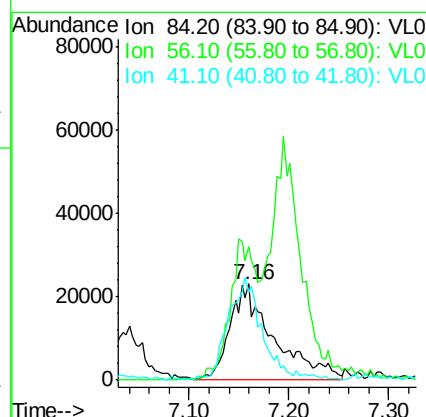
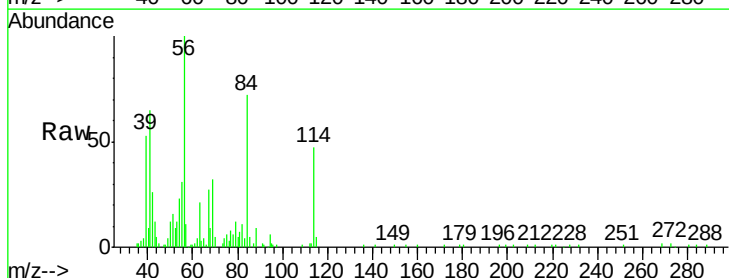
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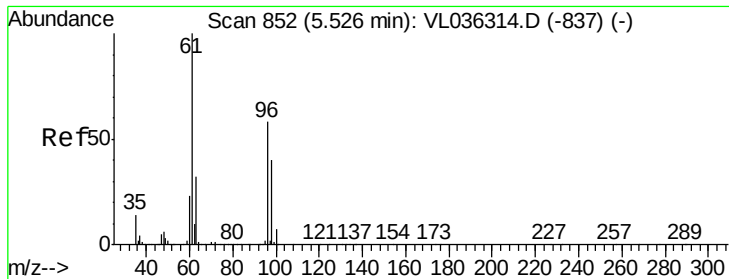
MMDadoda
3/2/2021 3:30:13 PM



#30
Cyclohexane
Concen: 0.518 ppbv m
RT: 7.16 min Scan# 1360
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion: 84 Resp: 70659
Ion Ratio Lower Upper
84 100
56 0.0 120.2 180.4#
41 84.1 79.7 119.5





#31

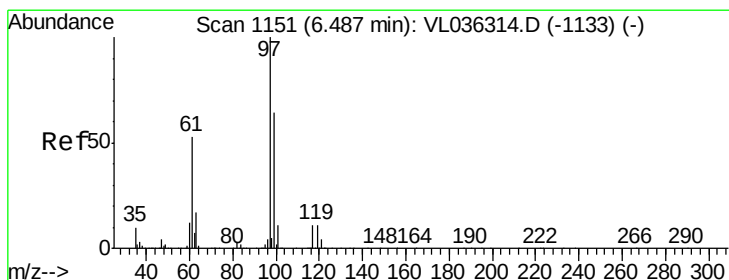
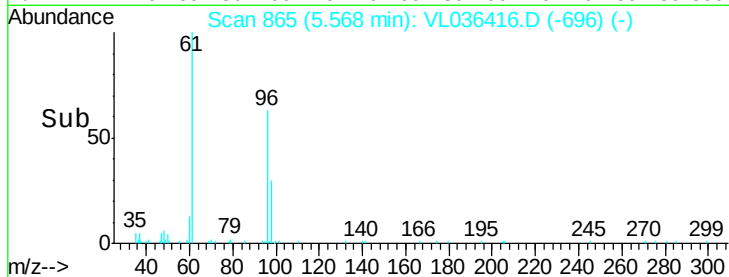
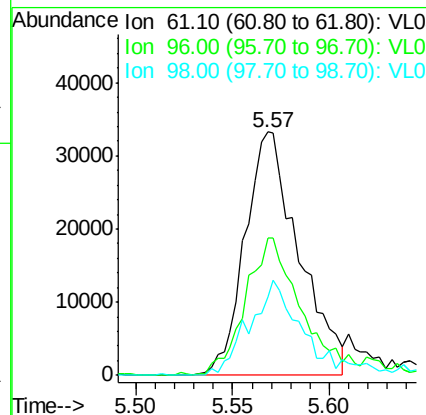
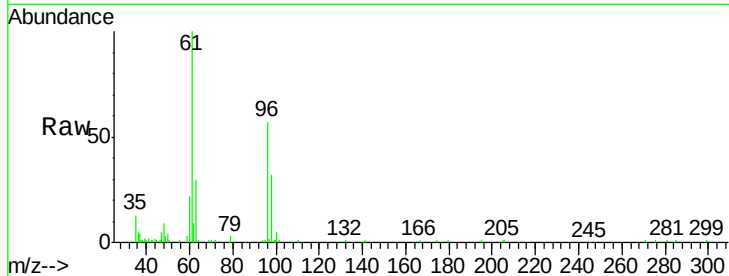
cis-1,2-Dichloroethene
 Concen: 0.398 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.04 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Lower	Upper
61	100		
96	56.5	46.0	69.0
98	32.3	31.9	47.9

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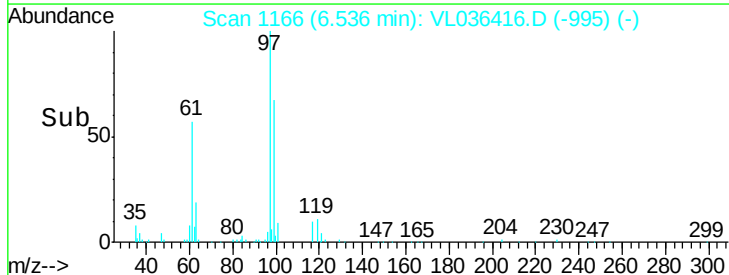
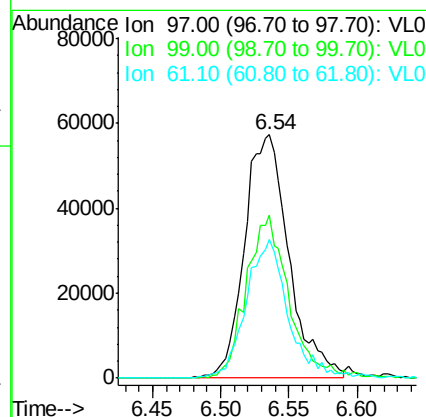
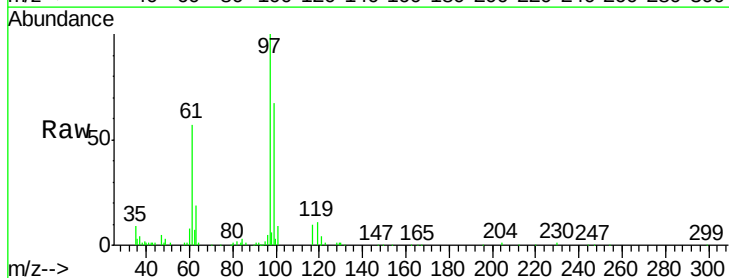
MMDadoda
 3/2/2021 3:30:13 PM

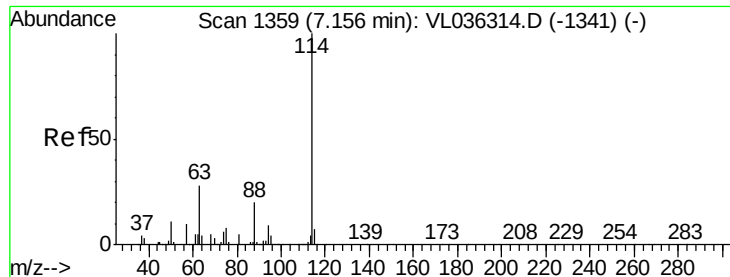


#32

1,1,1-Trichloroethane
 Concen: 0.525 ppbv m
 RT: 6.54 min Scan# 1166
 Delta R.T. 0.05 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.4
61	54.3	43.3	64.9





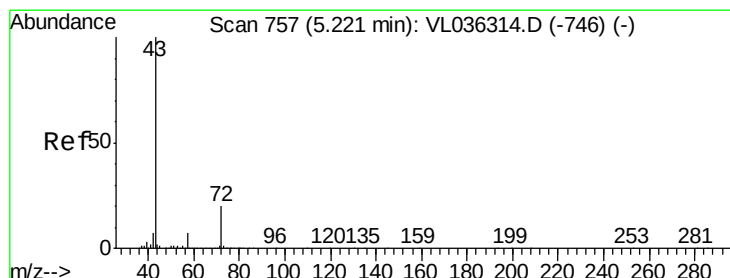
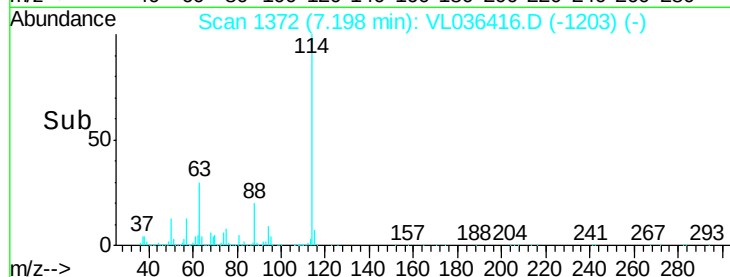
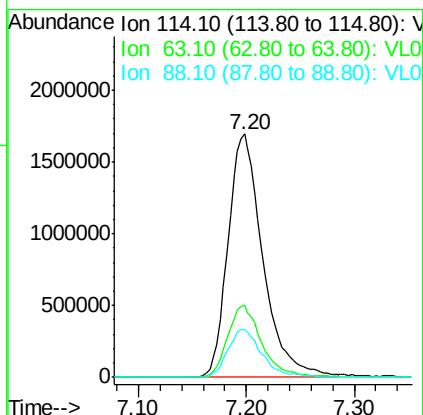
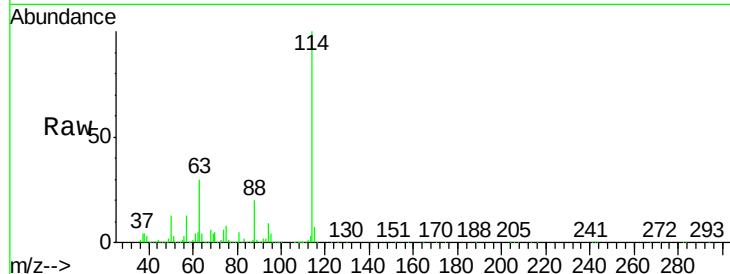
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.04 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion: 114 Resp: 3818497
 Ion Ratio Lower Upper
 114 100
 63 29.3 24.1 36.1
 88 19.6 16.0 24.0

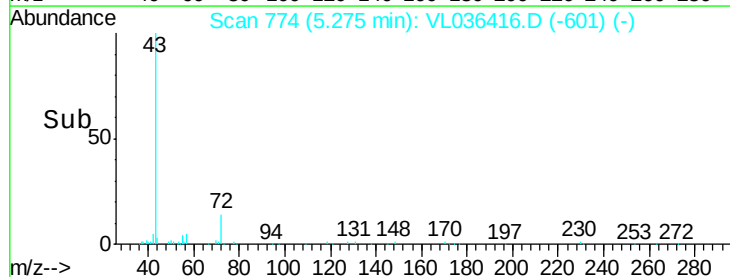
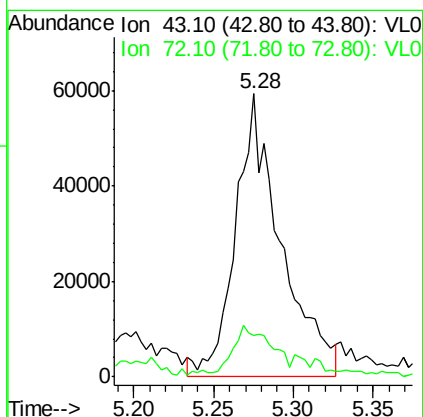
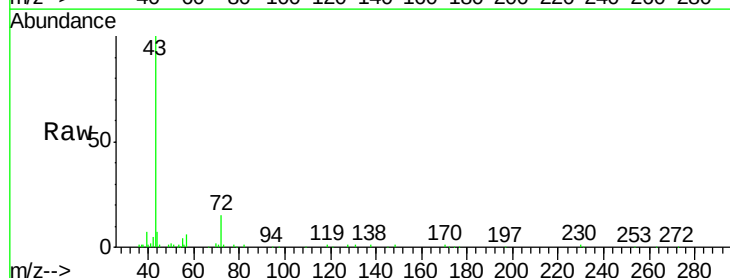
Manual Integrations
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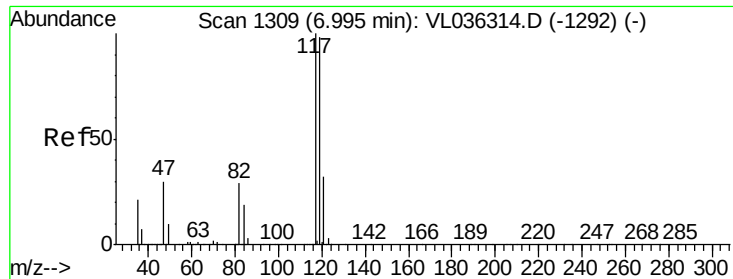
MMDadoda
 3/2/2021 3:30:13 PM



#34
 2-Butanone
 Concen: 0.462 ppbv m
 RT: 5.28 min Scan# 774
 Delta R.T. 0.05 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

Tgt Ion: 43 Resp: 117135
 Ion Ratio Lower Upper
 43 100
 72 18.9 16.7 25.1





#35

Carbon Tetrachloride

Concen: 0.496 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.04 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

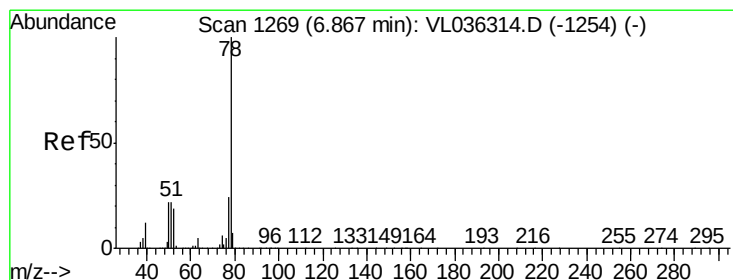
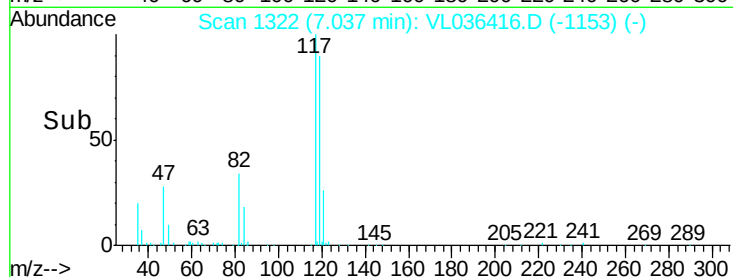
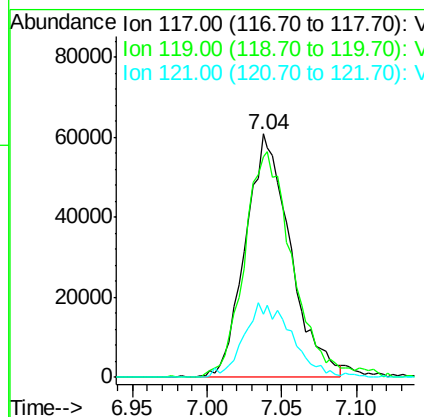
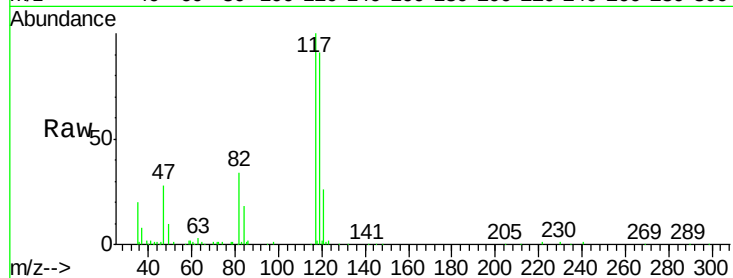
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion:	117	Resp:	127004
Ion Ratio	Lower	Upper	
117	100		
119	90.8	78.1	117.1
121	26.2	25.8	38.8

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#36

Benzene

Concen: 0.437 ppbv

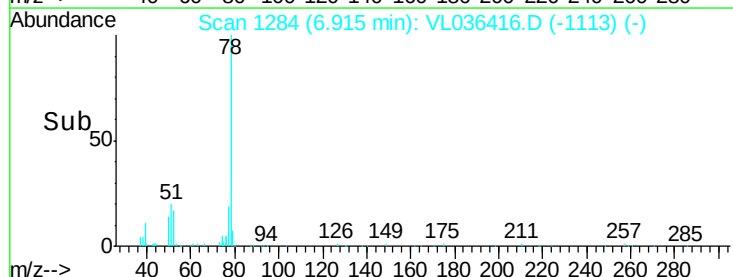
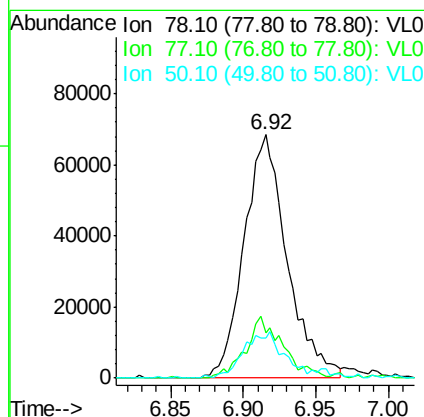
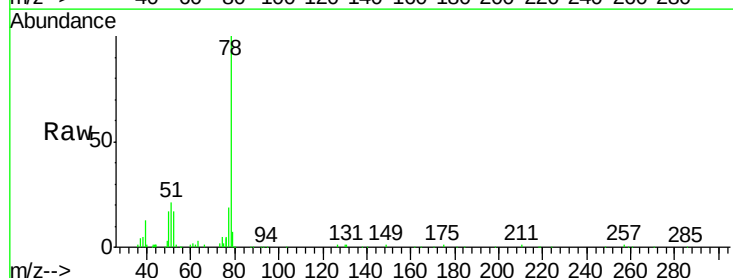
RT: 6.92 min Scan# 1284

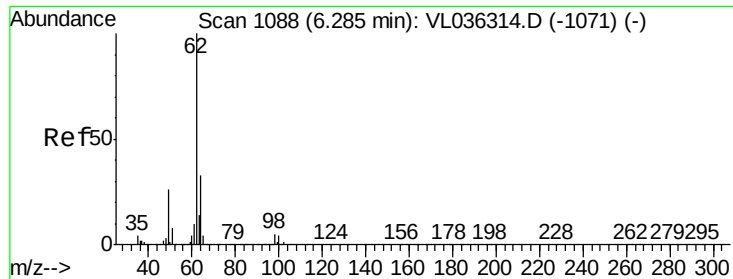
Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion:	78	Resp:	141683
Ion Ratio	Lower	Upper	
78	100		
77	18.8	18.9	28.3#
50	16.6	17.3	25.9#





#37

1,2-Dichloroethane

Concen: 0.463 ppbv

RT: 6.33 min Scan# 1102

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

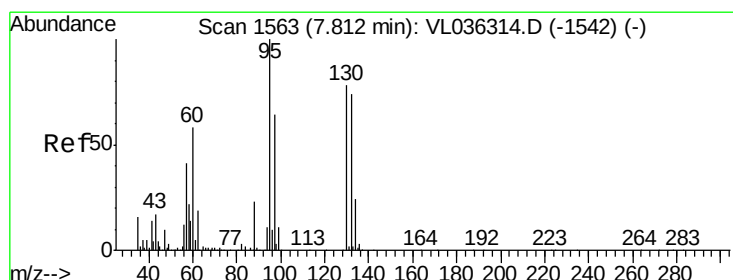
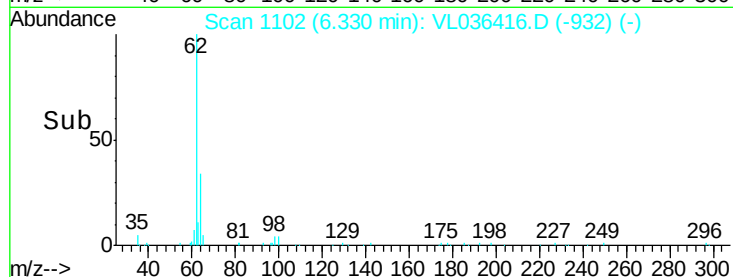
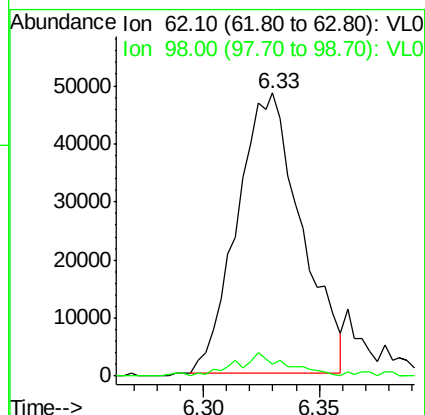
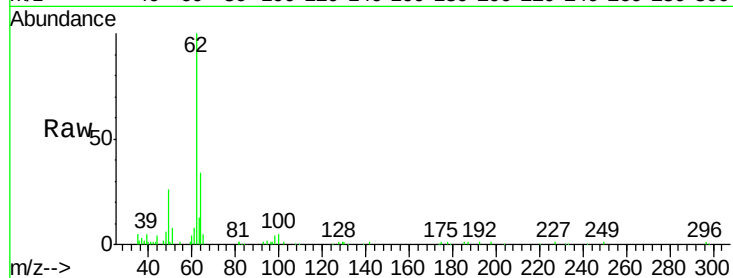
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion:	62	Resp:	92792
Ion Ratio	Lower	Upper	
62	100		
98	6.7	4.5	6.7#

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#38

Trichloroethene

Concen: 0.480 ppbv m

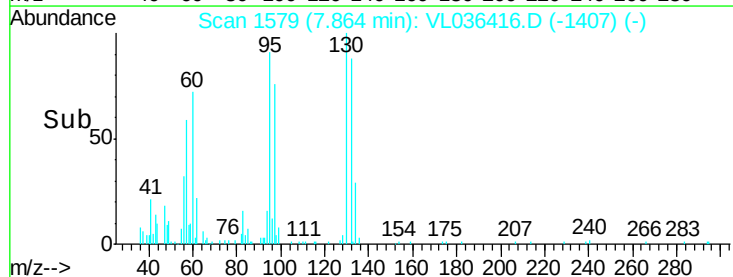
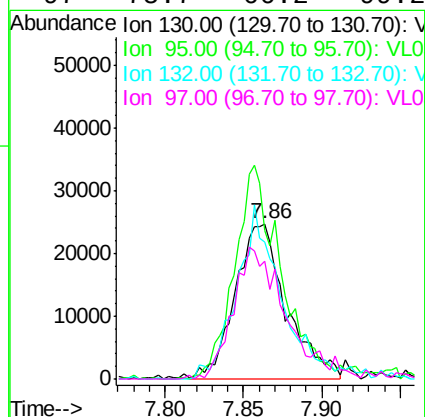
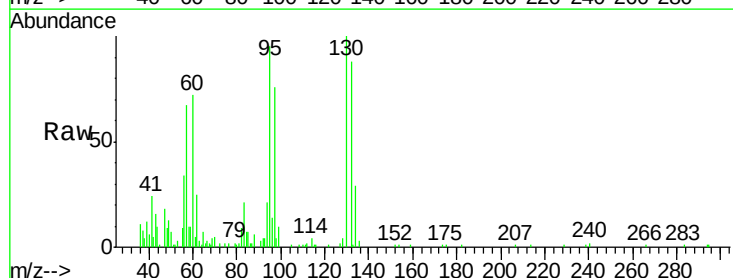
RT: 7.86 min Scan# 1579

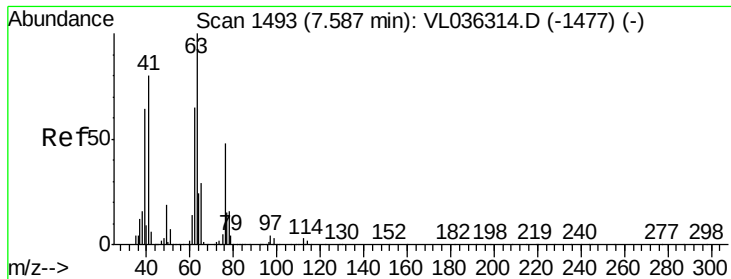
Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion:	130	Resp:	55807
Ion Ratio	Lower	Upper	
130	100		
95	95.3	102.8	154.2#
132	88.4	75.7	113.5
97	75.7	66.2	99.2





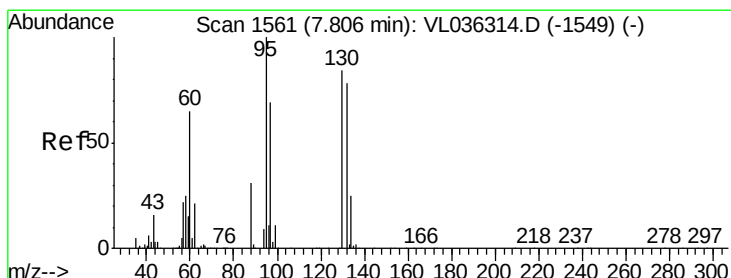
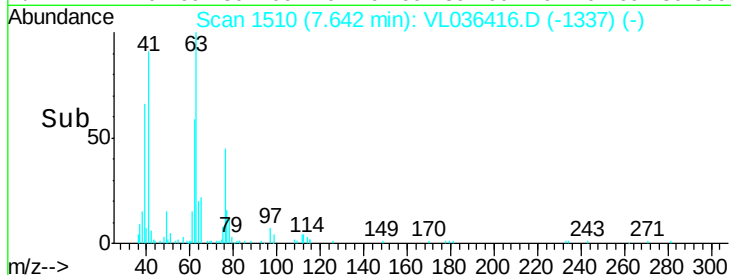
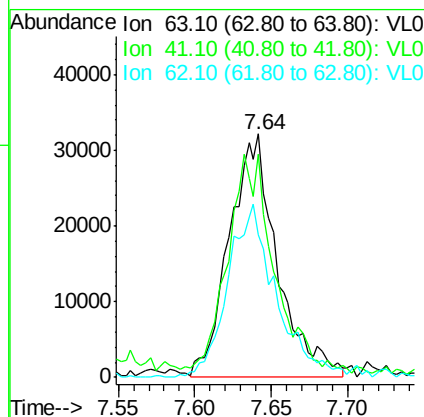
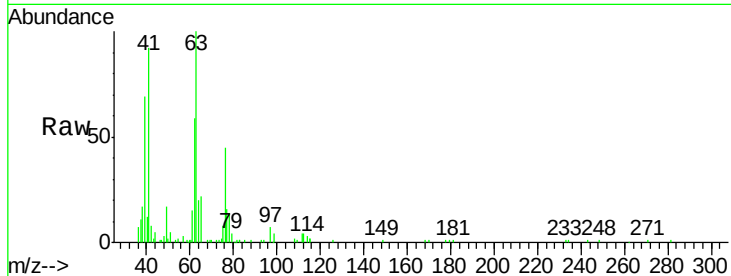
#39
 1,2-Dichloropropane
 Concen: 0.535 ppbv m
 RT: 7.64 min Scan# 1510
 Delta R.T. 0.05 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Lower	Upper
63	100		
41	91.6	63.8	95.6
62	58.8	52.3	78.5

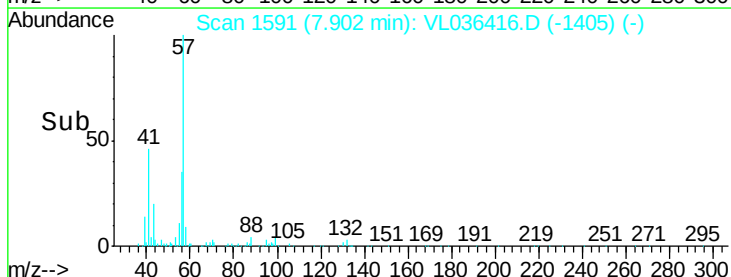
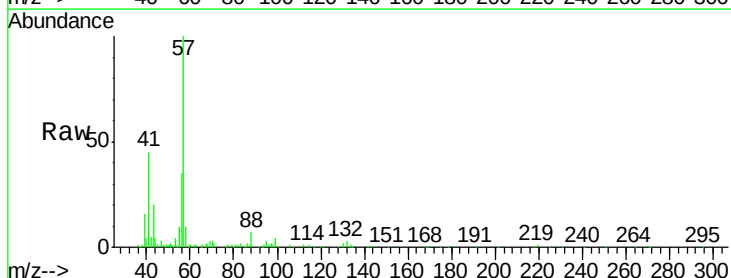
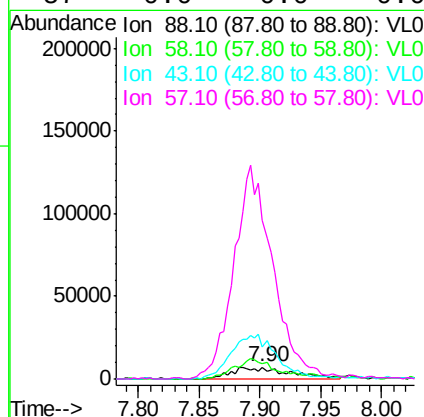
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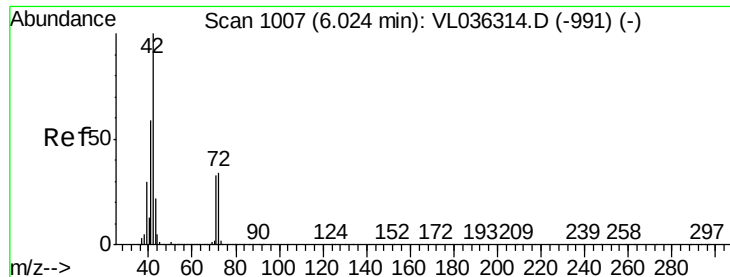
MMDadoda
 3/2/2021 3:30:13 PM



#40
 1,4-Dioxane
 Concen: 0.528 ppbv m
 RT: 7.90 min Scan# 1591
 Delta R.T. 0.10 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

Tgt 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: 0.336 ppbv m

RT: 6.09 min Scan# 1028

Delta R.T. 0.07 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

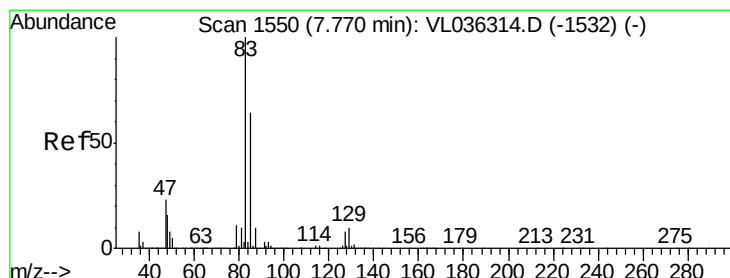
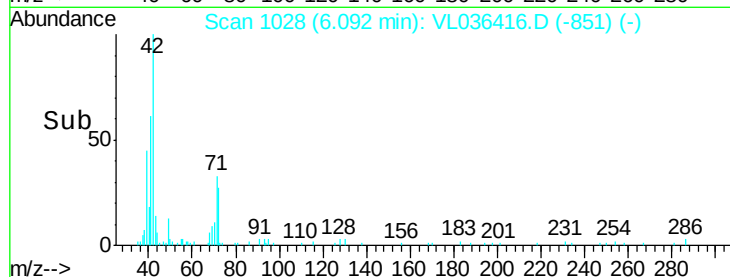
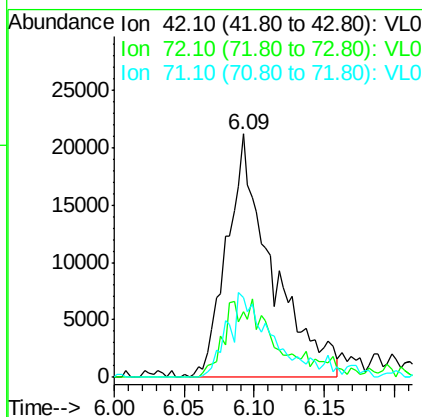
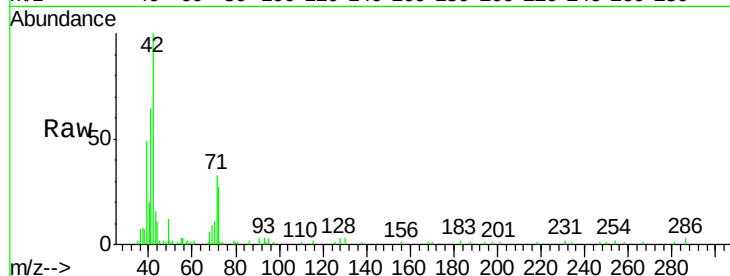
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion:	42	Resp:	47598
Ion Ratio		Lower	Upper
42	100		
72	37.3	29.3	43.9
71	37.1	27.8	41.8

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.500 ppbv m

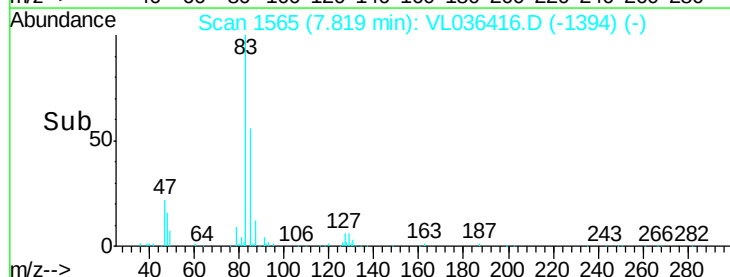
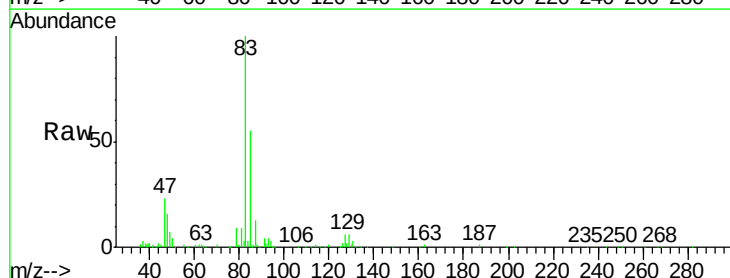
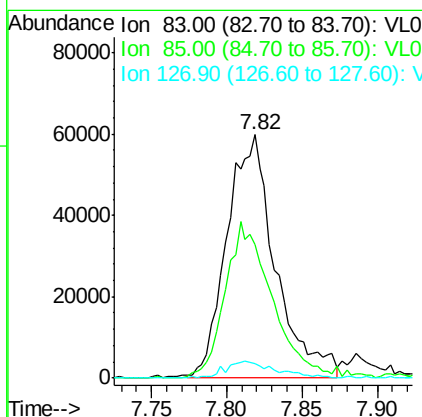
RT: 7.82 min Scan# 1565

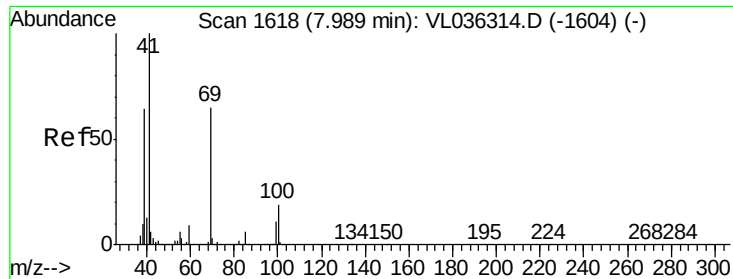
Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion:	83	Resp:	134181
Ion Ratio		Lower	Upper
83	100		
85	54.8	51.1	76.7
127	6.1	6.3	9.5#





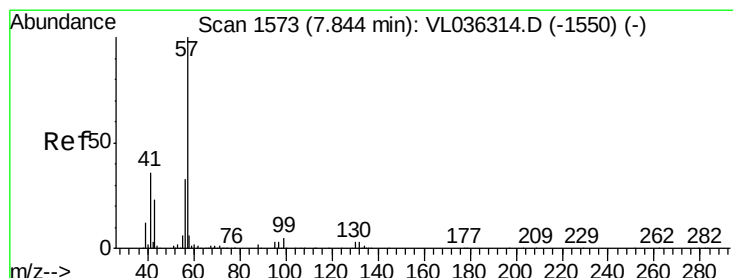
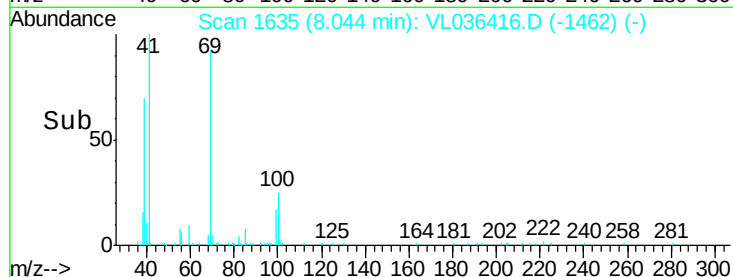
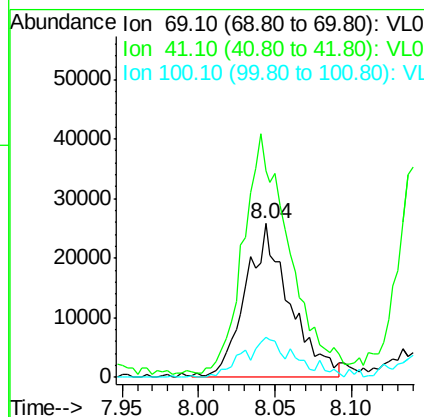
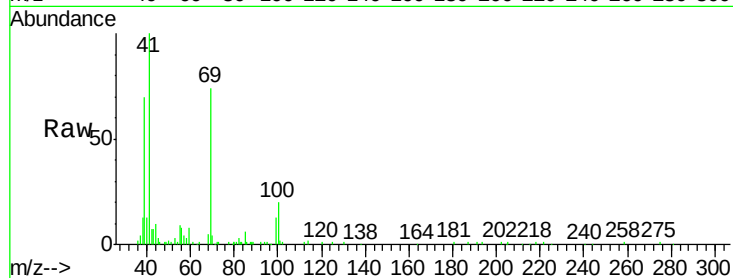
#43
Methyl Methacrylate
Concen: 0.379 ppbv m
RT: 8.04 min Scan# 1635
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

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

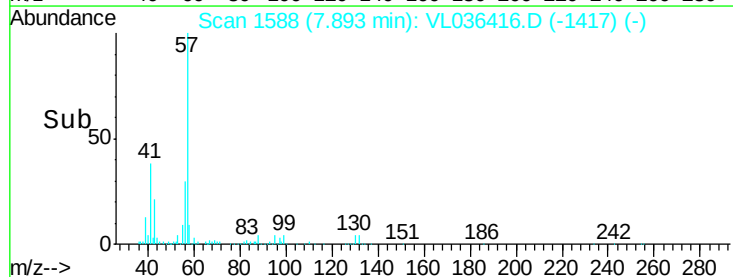
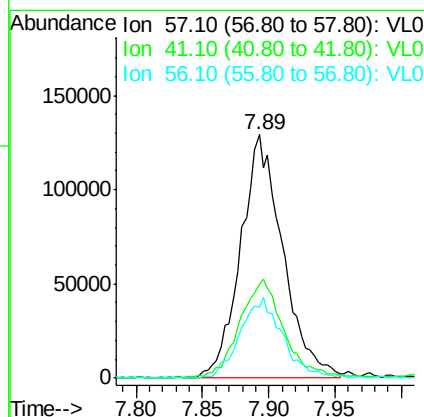
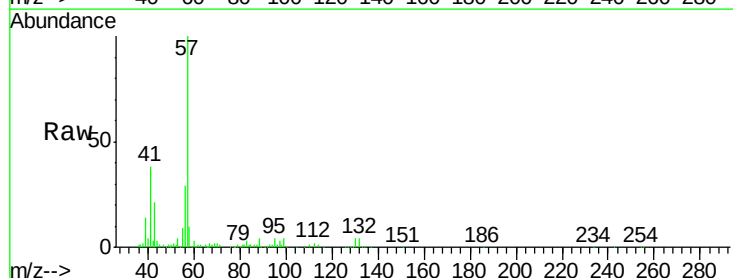
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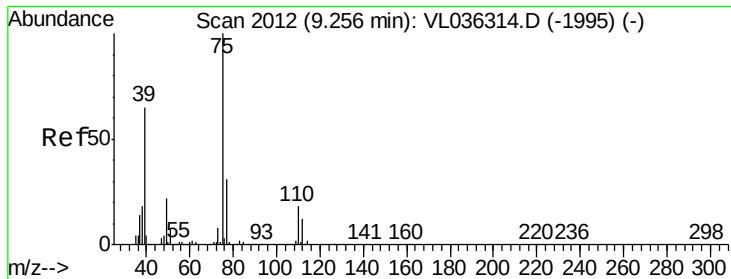
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.486 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	41.9	28.8	43.2
56	33.9	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 0.290 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion: 75 Resp: 38269

Ion Ratio Lower Upper

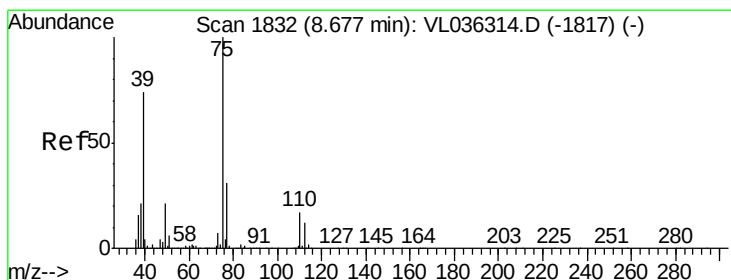
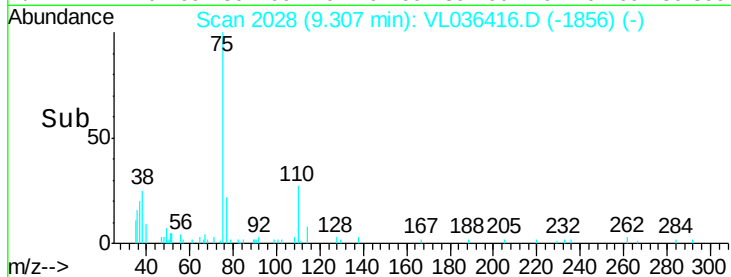
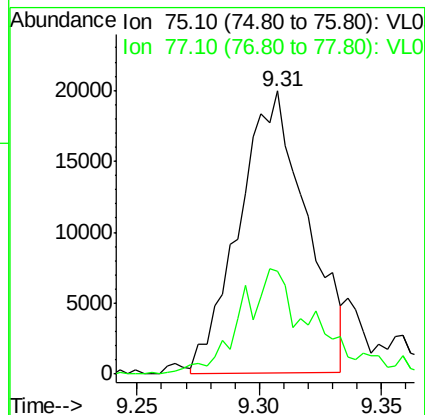
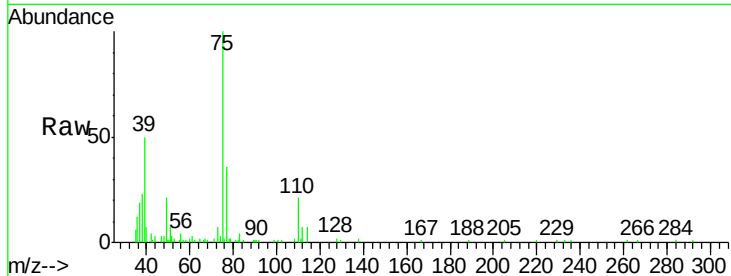
75 100

77 36.3 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 0.369 ppbv m

RT: 8.73 min Scan# 1848

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

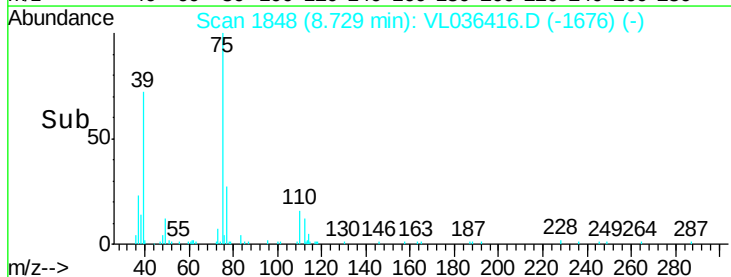
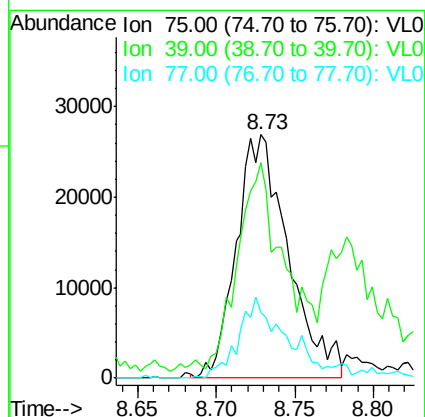
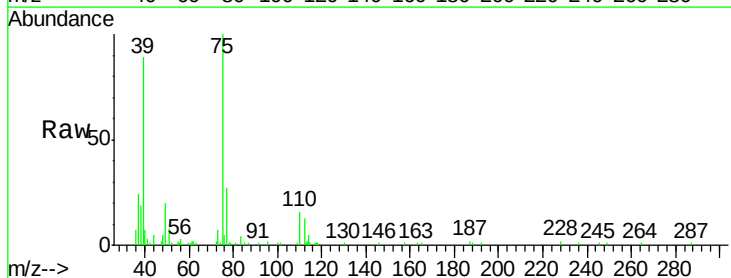
Tgt Ion: 75 Resp: 61934

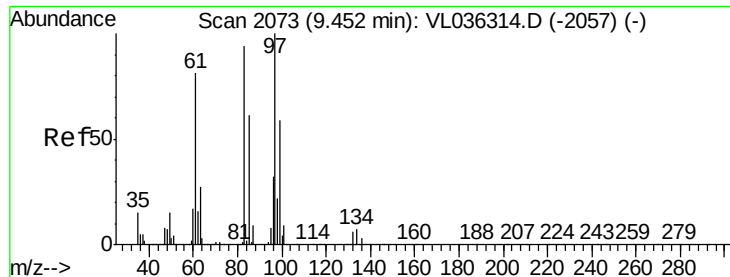
Ion Ratio Lower Upper

75 100

39 88.5 59.2 88.8

77 27.0 25.0 37.6





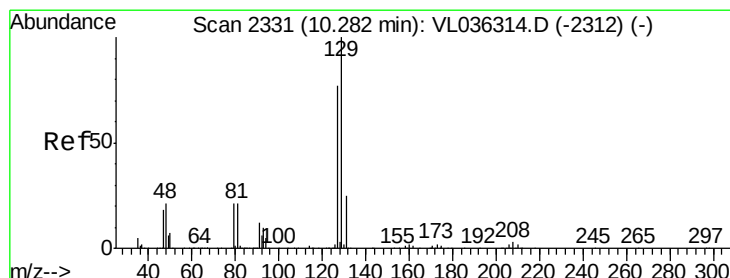
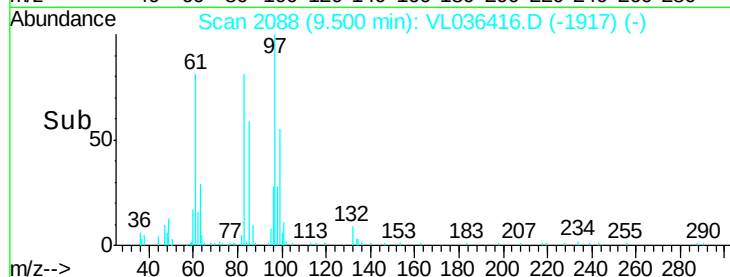
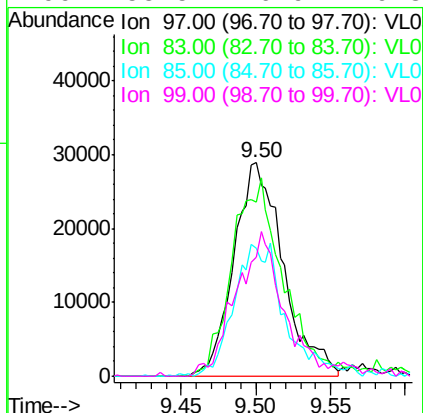
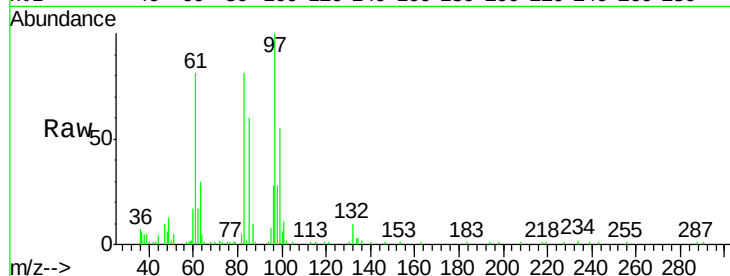
#47
 1,1,2-Trichloroethane
 Concen: 0.491 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.05 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.2	75.4	113.0
85	59.0	48.9	73.3
99	55.5	46.9	70.3

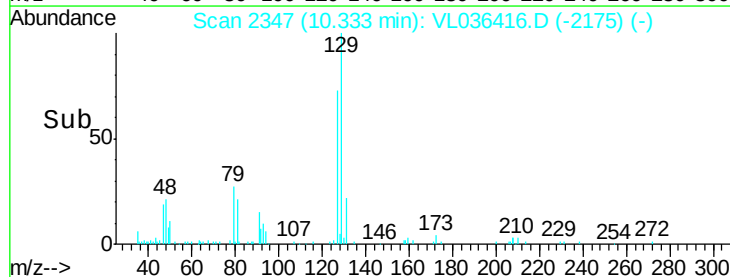
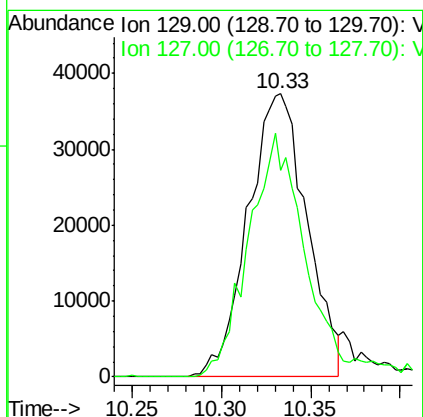
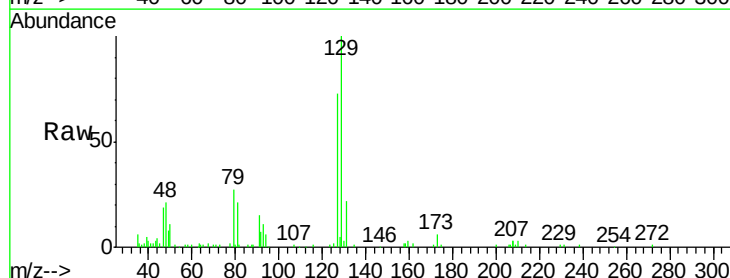
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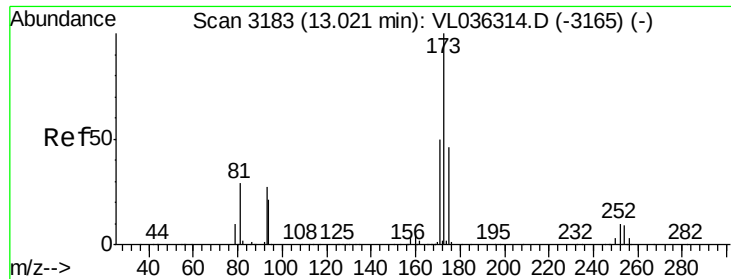
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.426 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.05 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	87.3	39.1	117.2





#49

Bromoform

Concen: 0.427 ppbv m

RT: 13.07 min Scan# 3197

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

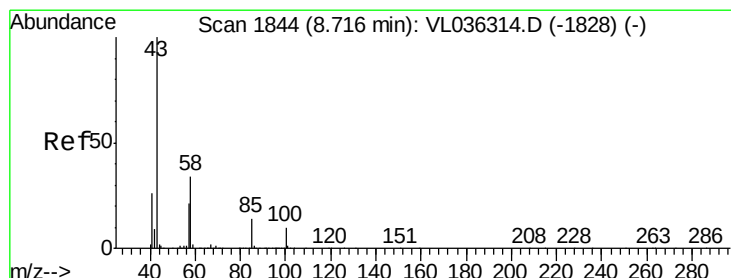
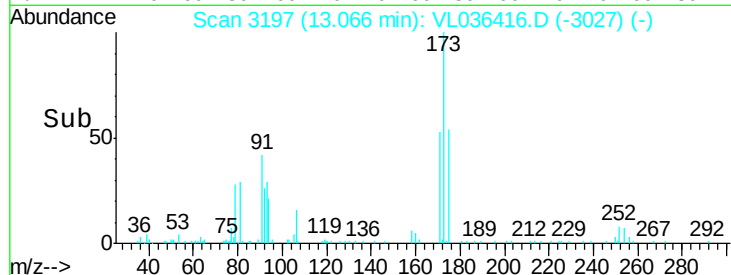
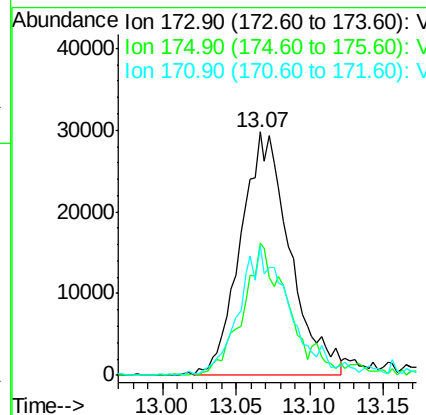
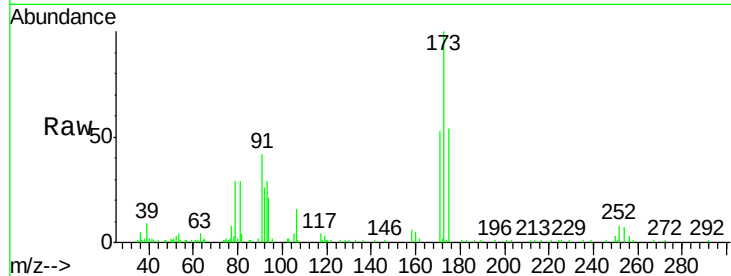
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion:	173	Resp:	69430
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.2	60.2#
171	0.0	43.4	65.2#

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#50

4-Methyl-2-Pentanone

Concen: 0.424 ppbv m

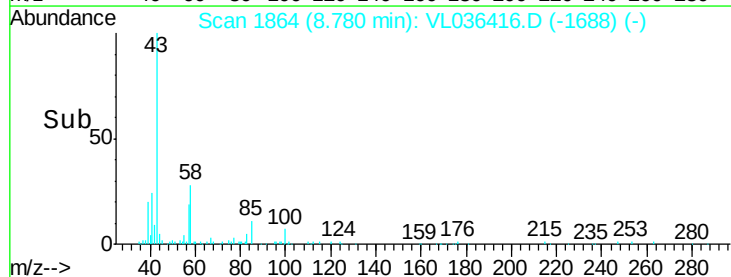
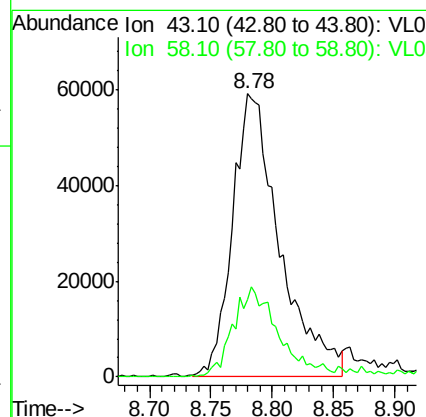
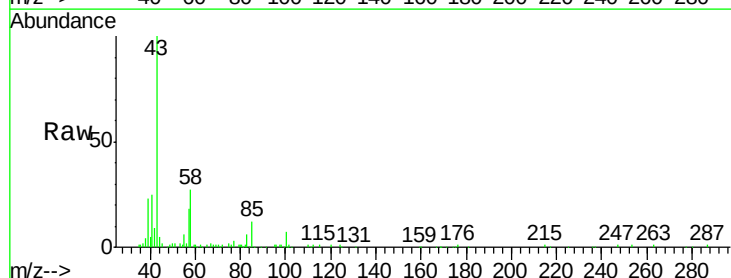
RT: 8.78 min Scan# 1864

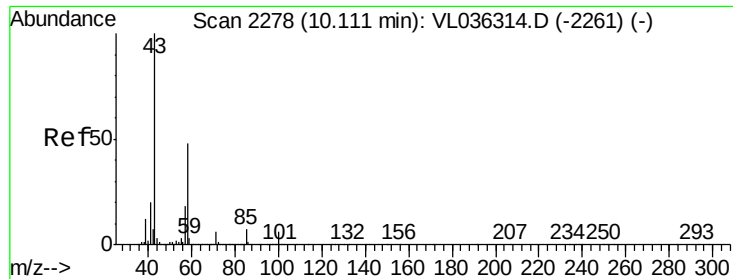
Delta R.T. 0.06 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion:	43	Resp:	159729
Ion Ratio	Lower	Upper	
43	100		
58	30.9	27.8	41.6





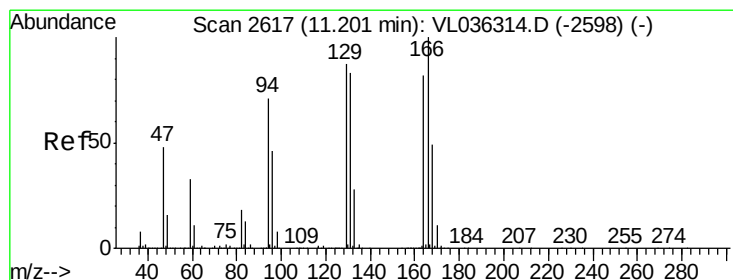
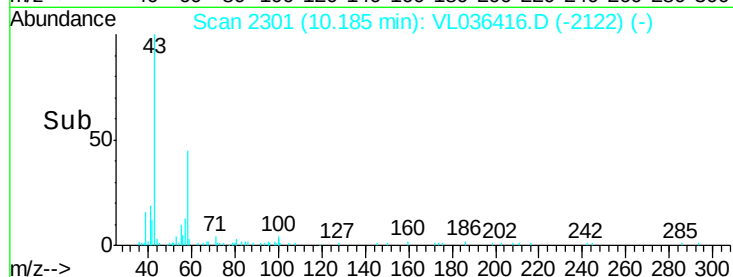
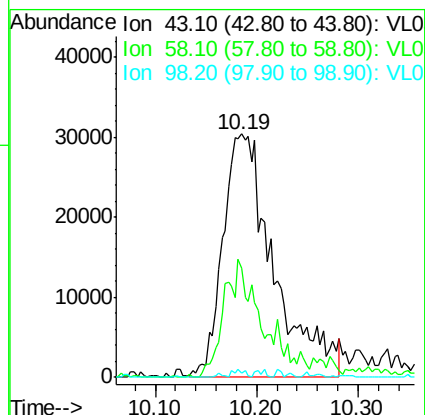
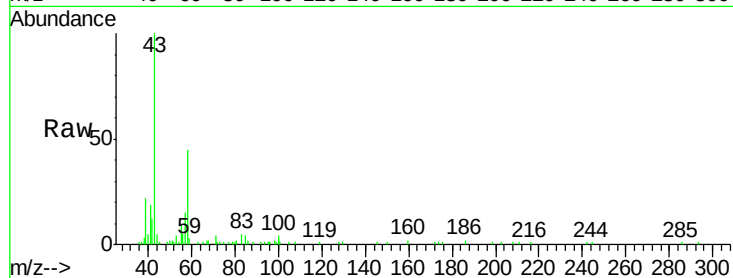
#51
2-Hexanone
Concen: 0.371 ppbv m
RT: 10.19 min Scan# 2301
Delta R.T. 0.07 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion: 43 Resp: 106163
Ion Ratio Lower Upper
43 100
58 40.7 38.7 58.1
98 0.0 0.4 0.6#

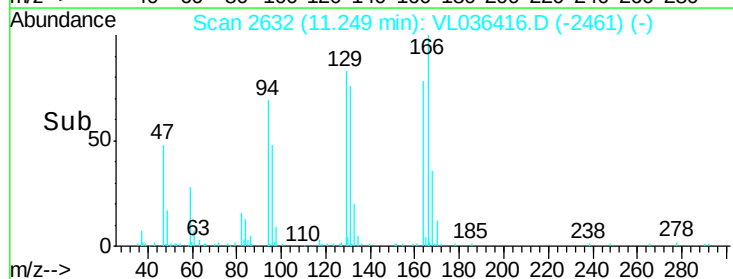
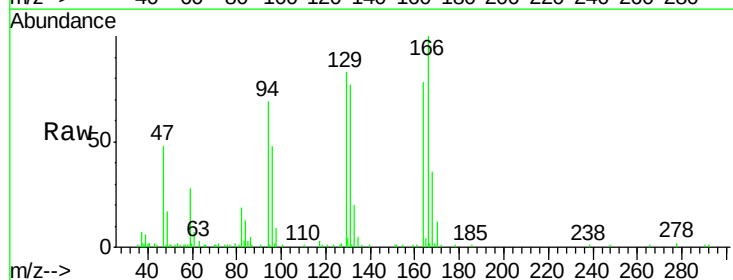
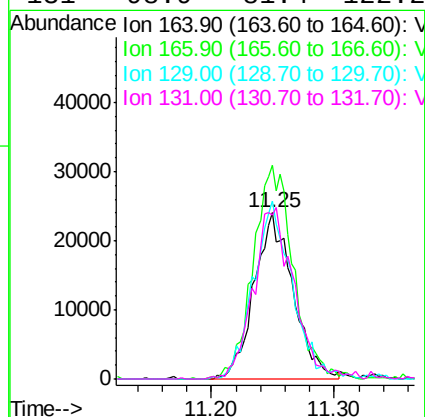
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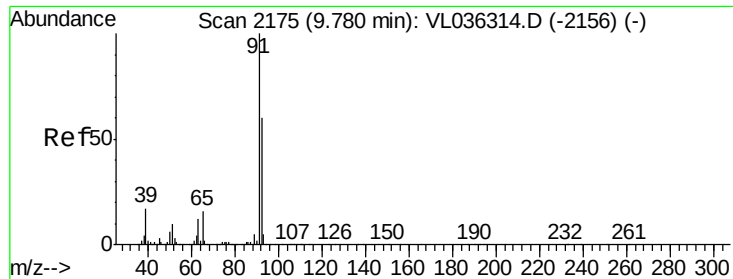
MMDadoda
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#52
Tetrachloroethene
Concen: 0.442 ppbv m
RT: 11.25 min Scan# 2632
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion: 164 Resp: 52466
Ion Ratio Lower Upper
164 100
166 128.5 97.8 146.8
129 107.2 84.9 127.3
131 98.9 81.4 122.2





#53

Toluene

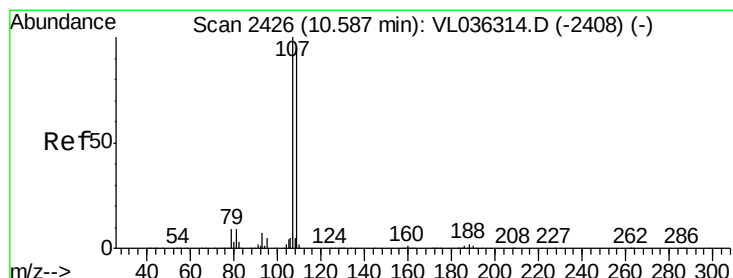
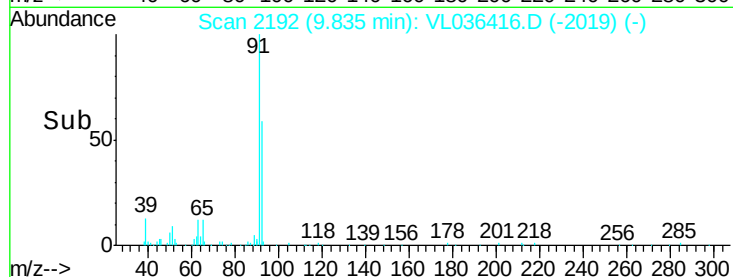
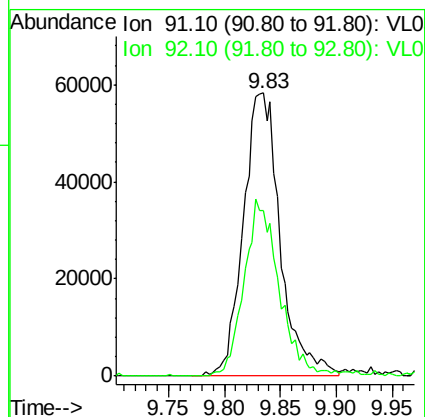
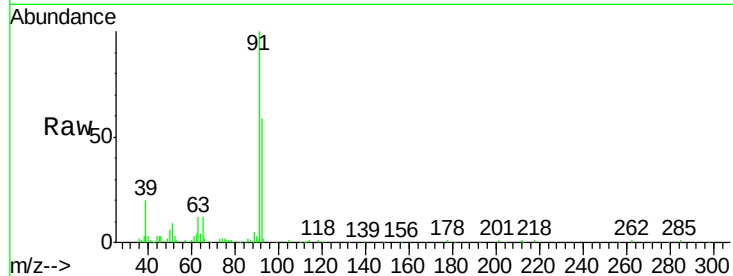
Concen: 0.381 ppbv m
RT: 9.83 min Scan# 2192
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion: 91 Resp: 133820
Ion Ratio Lower Upper
91 100
92 0.0 48.6 72.8#

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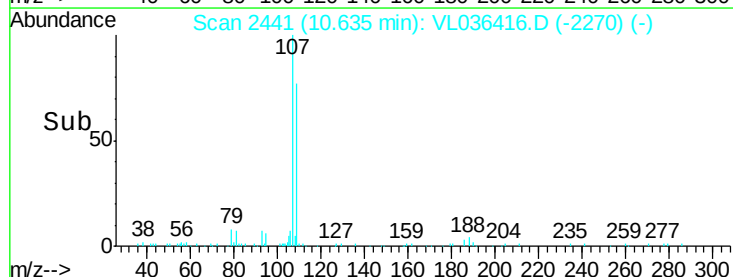
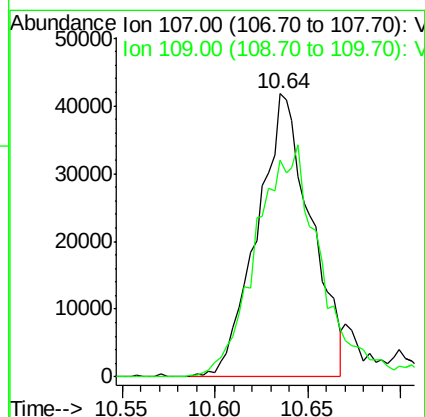
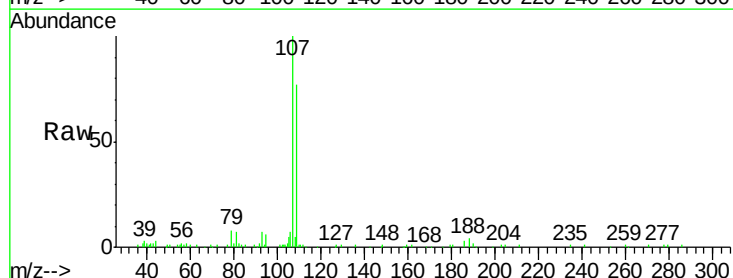


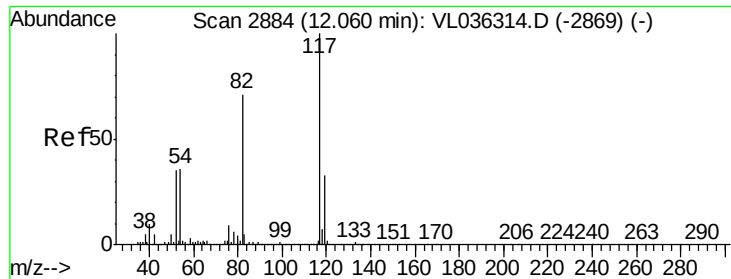
#54

1,2-Dibromoethane

Concen: 0.431 ppbv
RT: 10.64 min Scan# 2441
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion: 107 Resp: 84014
Ion Ratio Lower Upper
107 100
109 76.3 76.0 114.0





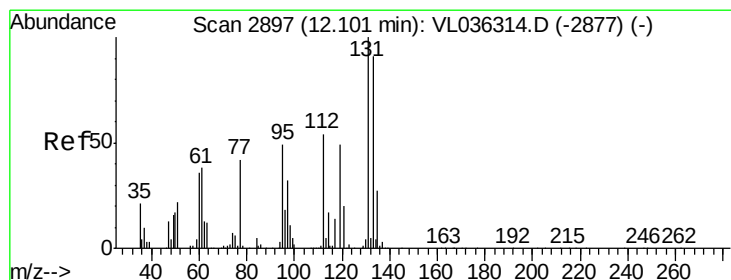
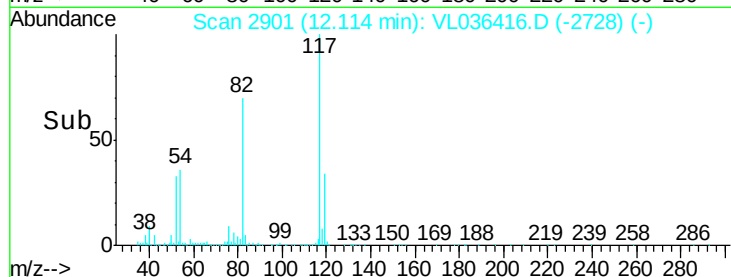
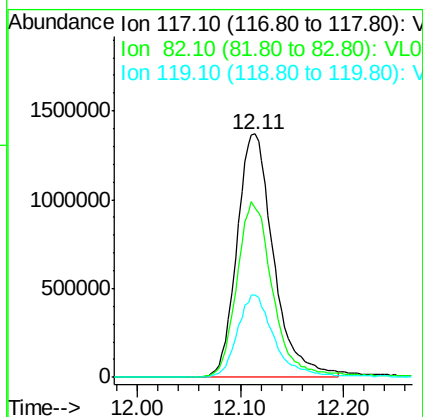
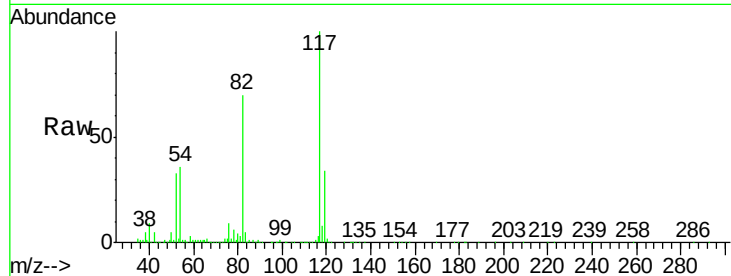
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.2	59.1	88.7
119	35.0	46.3	69.5

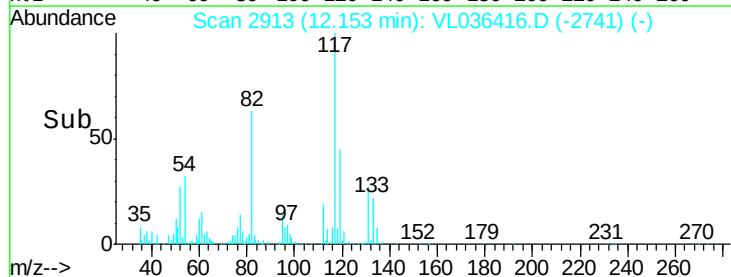
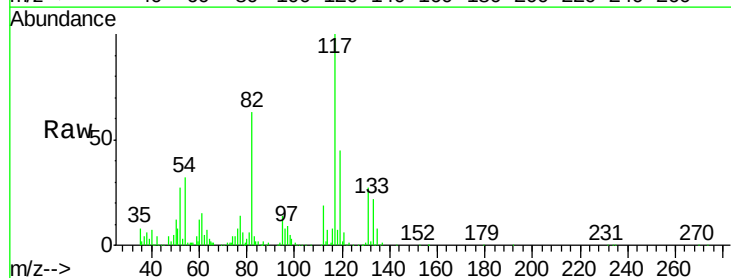
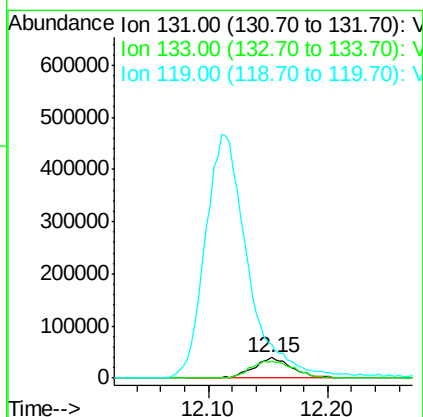
Manual Integrations
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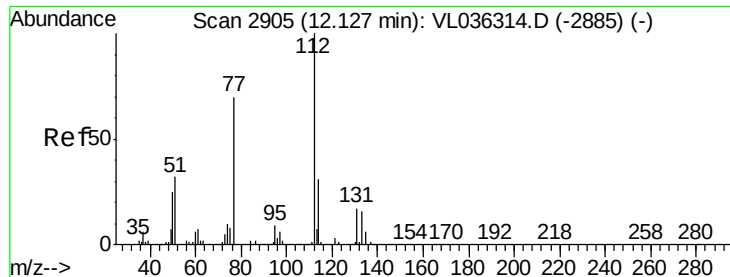
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.563 ppbv m
RT: 12.15 min Scan# 2913
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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





#57

Chlorobenzene

Concen: 0.579 ppbv m

RT: 12.17 min Scan# 2919

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

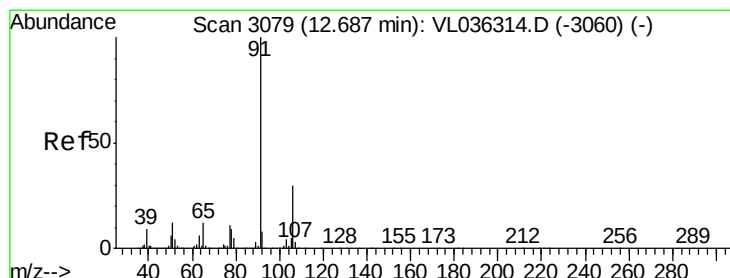
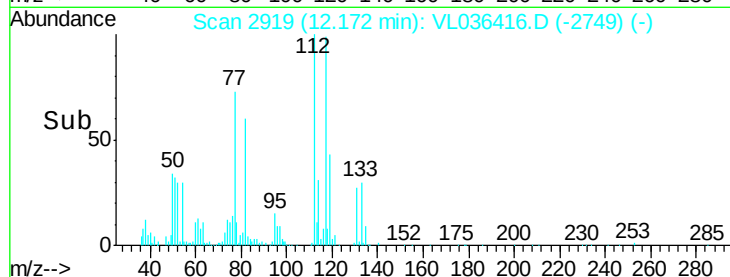
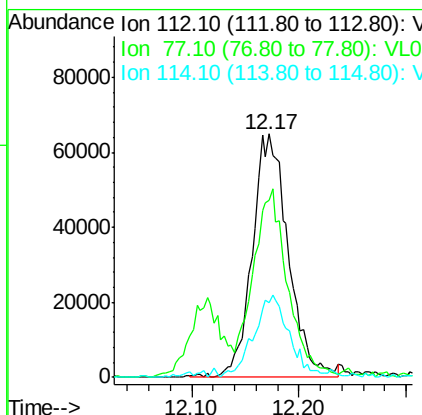
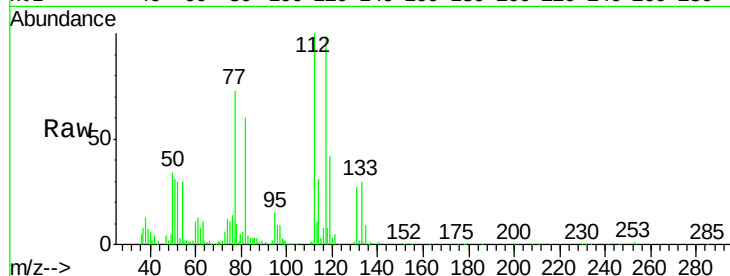
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion:	112	Resp:	151576
Ion Ratio	Lower	Upper	
112	100		
77	72.6	56.1	84.1
114	30.9	28.3	34.5

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.423 ppbv

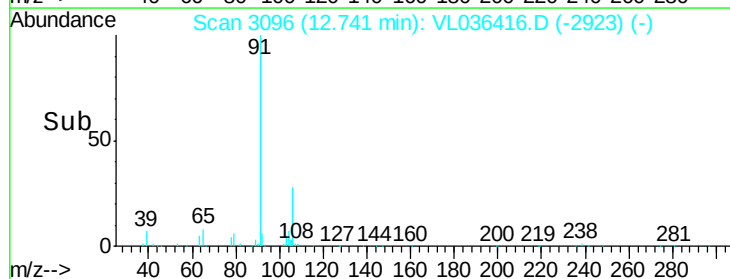
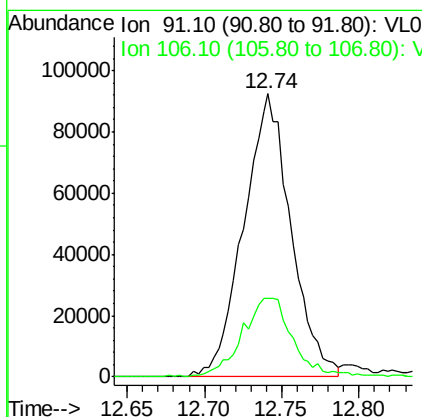
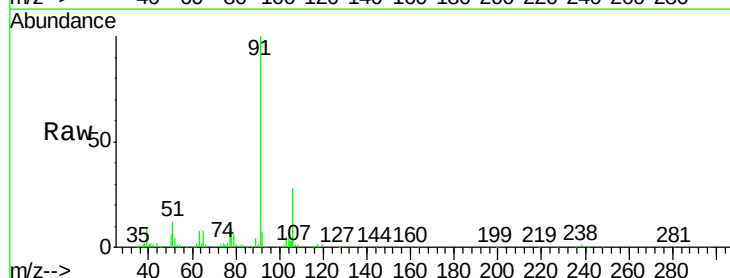
RT: 12.74 min Scan# 3096

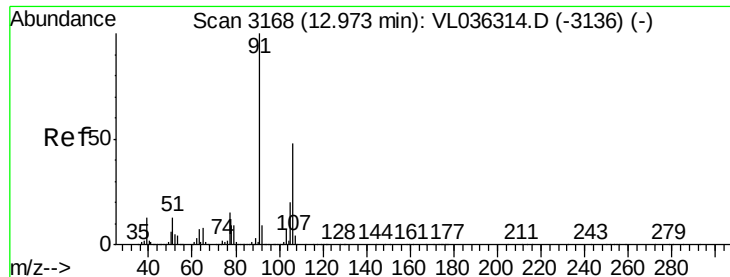
Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion:	91	Resp:	196277
Ion Ratio	Lower	Upper	
91	100		
106	27.7	23.8	35.6





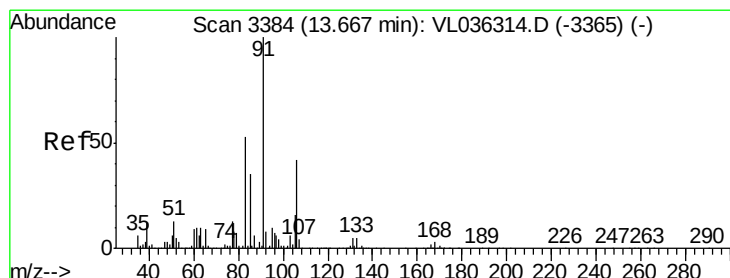
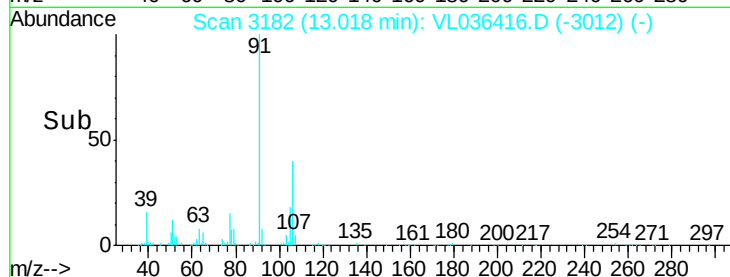
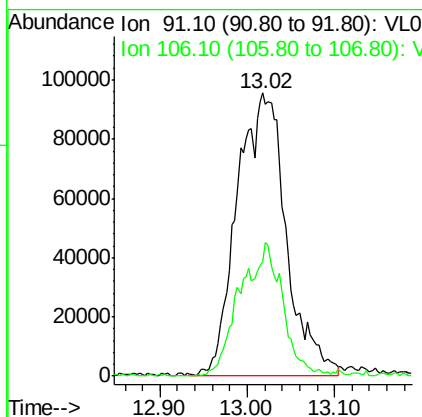
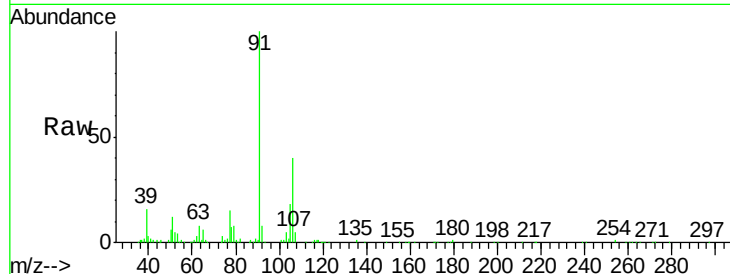
#59
m/p-Xylene
Concen: 0.921 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion: 91 Resp: 375549
Ion Ratio Lower Upper
91 100
106 41.0 34.2 51.2

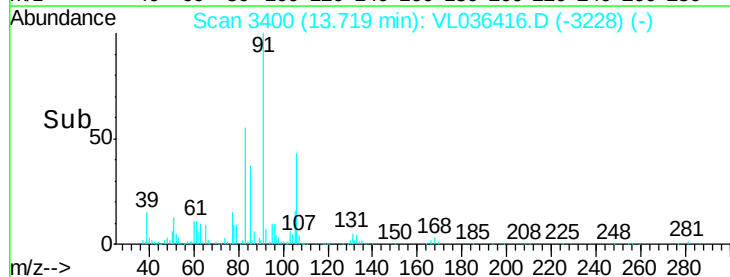
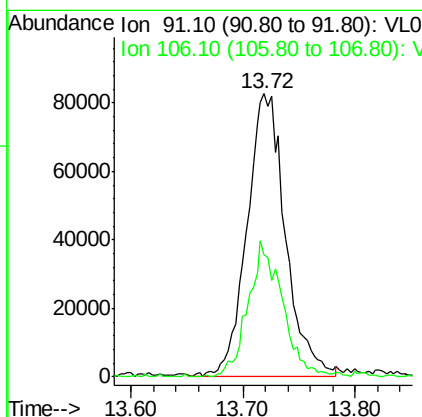
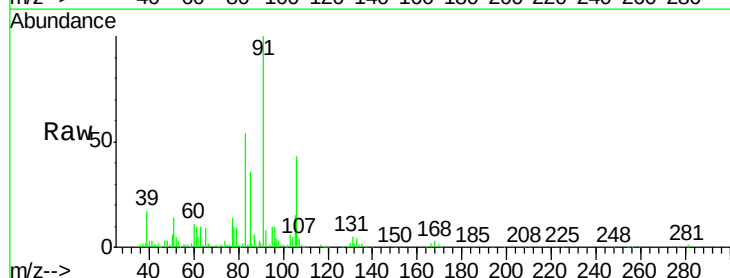
Manual Integrations
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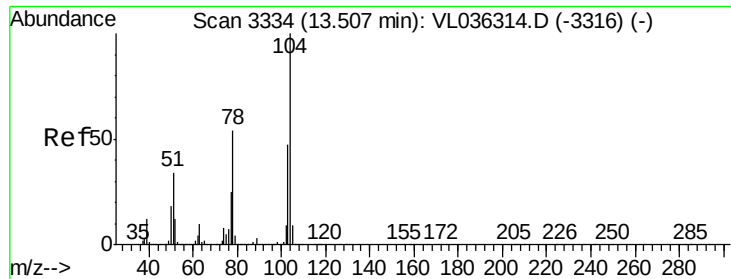
MMDadoda
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#60
o-Xylene
Concen: 0.509 ppbv m
RT: 13.72 min Scan# 3400
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion: 91 Resp: 198526
Ion Ratio Lower Upper
91 100
106 0.0 22.0 66.0#





#61

Styrene

Concen: 0.339 ppbv m

RT: 13.56 min Scan# 3352

Delta R.T. 0.06 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

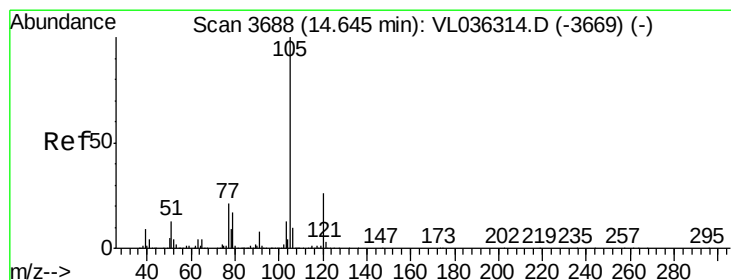
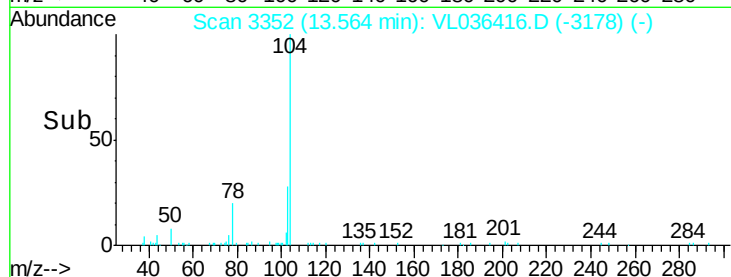
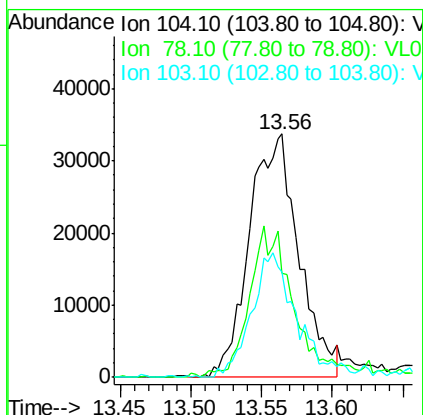
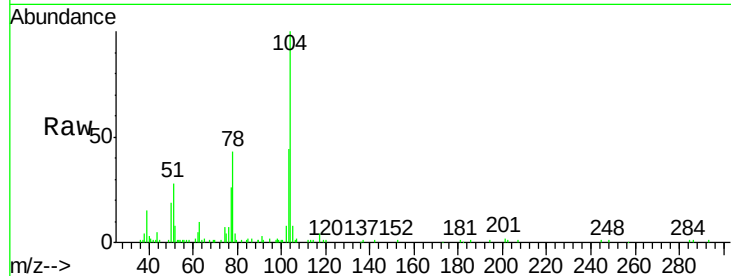
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion:	104	Resp:	81880
Ion Ratio	Lower	Upper	
104	100		
78	0.0	46.2	69.2#
103	49.3	38.3	57.5

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#62

Isopropylbenzene

Concen: 0.509 ppbv

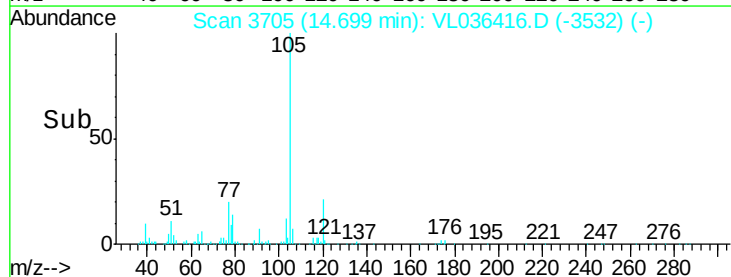
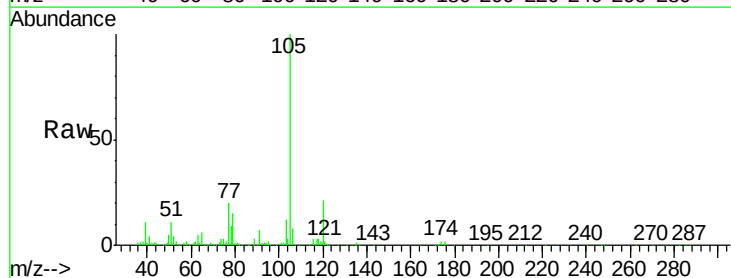
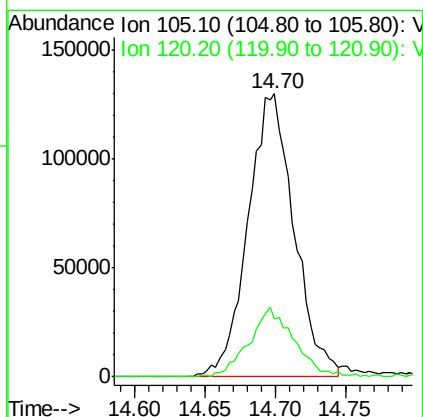
RT: 14.70 min Scan# 3705

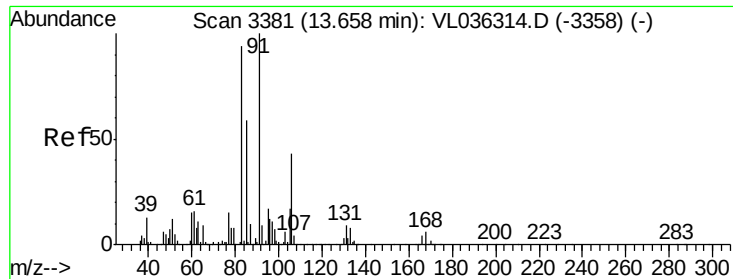
Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion:	105	Resp:	297636
Ion Ratio	Lower	Upper	
105	100		
120	24.3	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.543 ppbv m

RT: 13.70 min Scan# 3395

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion: 83 Resp: 167016

Ion Ratio Lower Upper

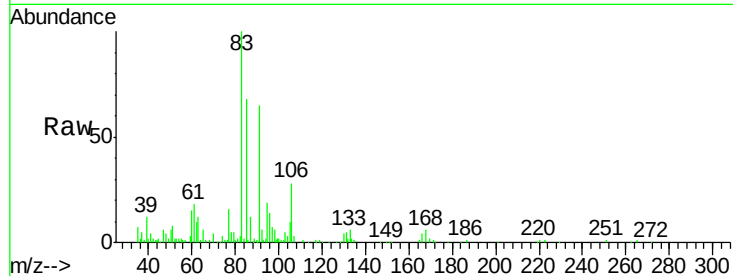
83 100

131 8.8 4.7 14.0

85 0.0 33.0 98.9#

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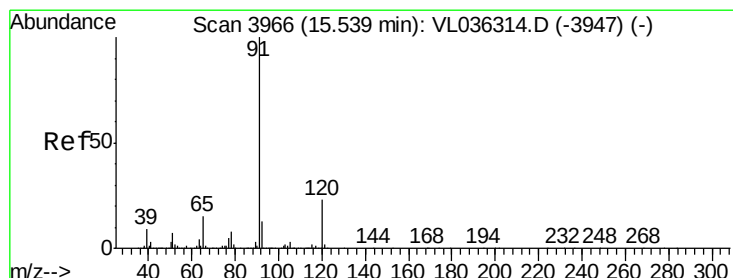
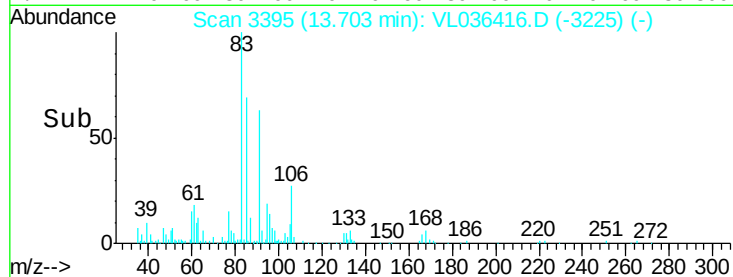
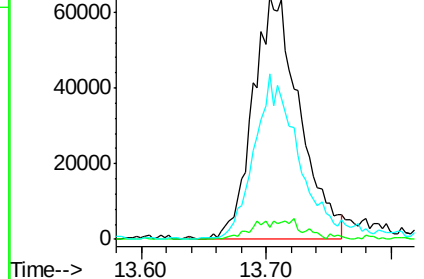
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.495 ppbv m

RT: 15.59 min Scan# 3983

Delta R.T. 0.05 min

Lab File: VL036416.D

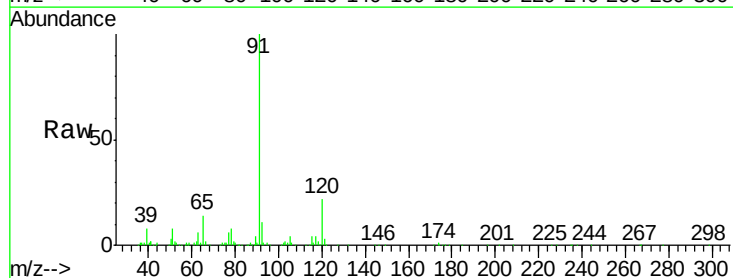
Acq: 1 Mar 2021 15:53

Tgt Ion: 120 Resp: 71222

Ion Ratio Lower Upper

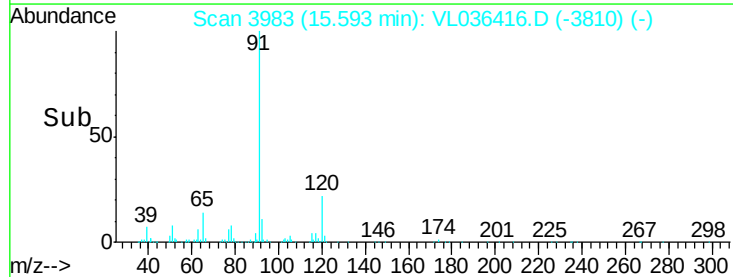
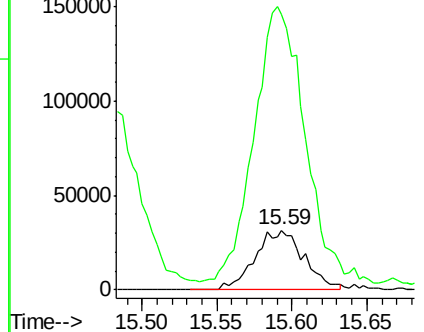
120 100

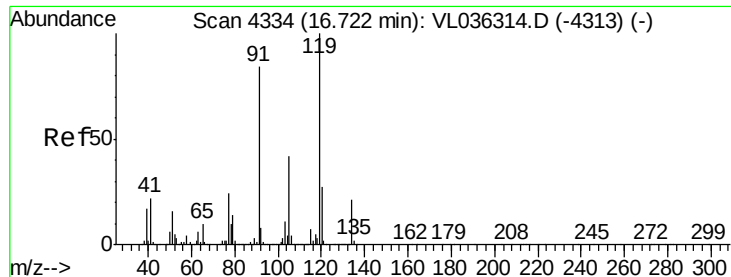
91 520.1 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





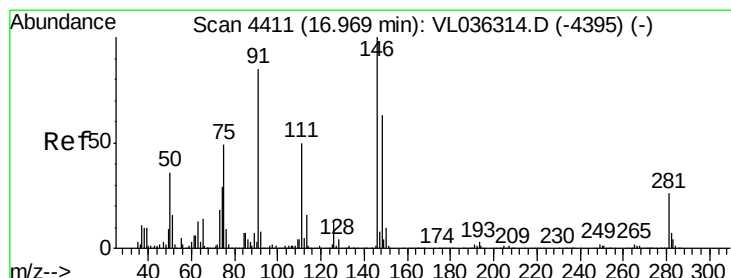
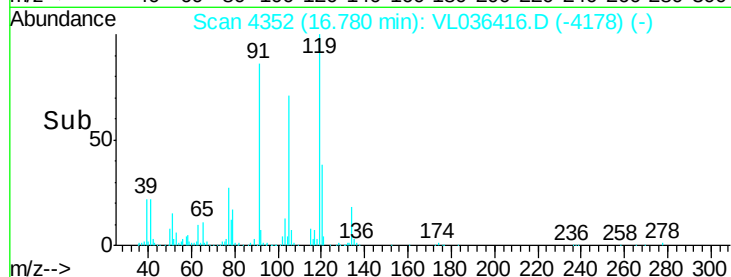
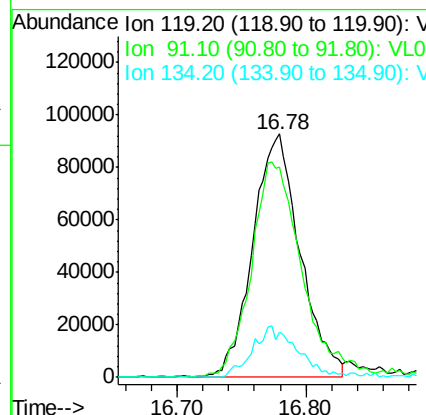
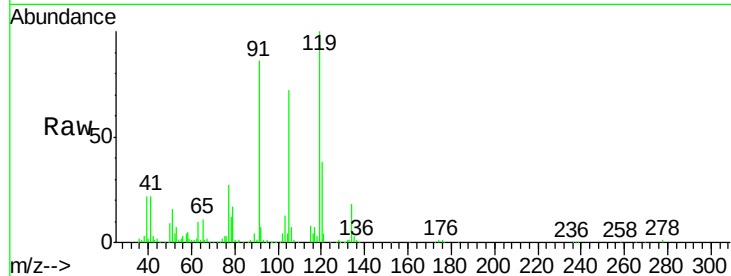
#65
tert-Butylbenzene
Concen: 0.473 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.06 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	236564		
91	95.6	70.5	105.7	
134	20.6	15.8	23.8	

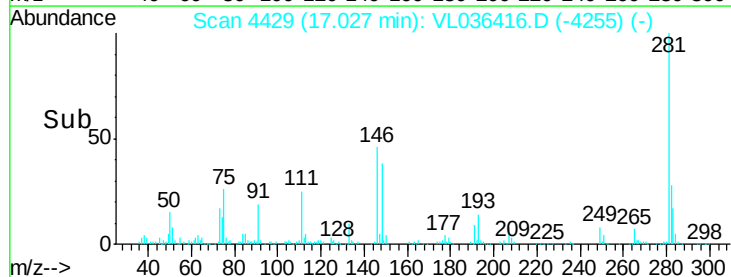
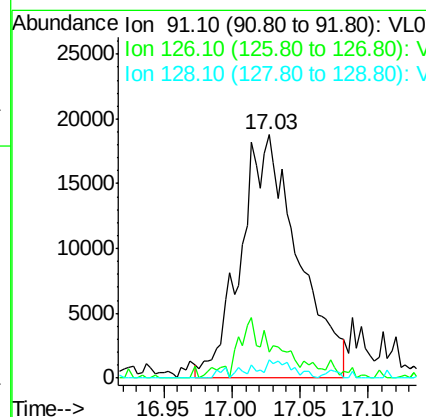
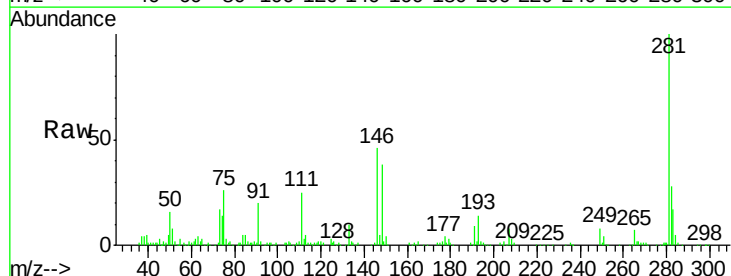
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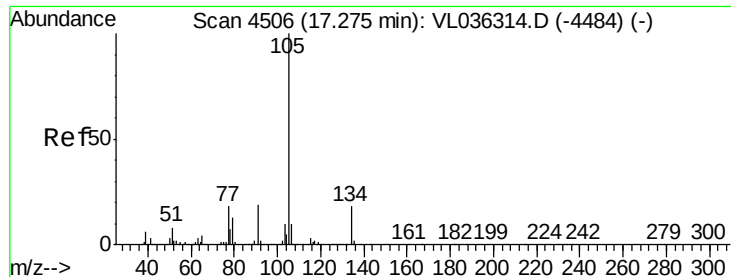
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#66
Benzyl Chloride
Concen: 0.404 ppbv m
RT: 17.03 min Scan# 4429
Delta R.T. 0.06 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	54952		
126	0.0	12.9	19.3#	
128	6.3	4.2	6.2#	





#67

sec-Butylbenzene

Concen: 0.487 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion: 105 Resp: 351284

Ion Ratio Lower Upper

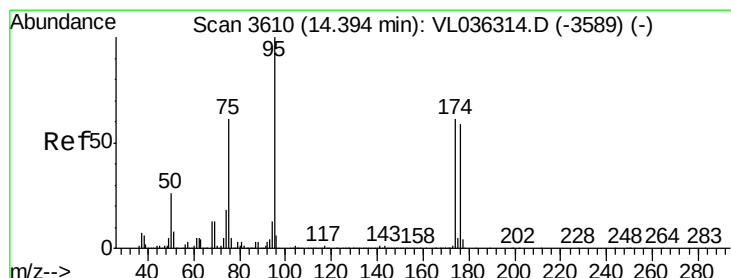
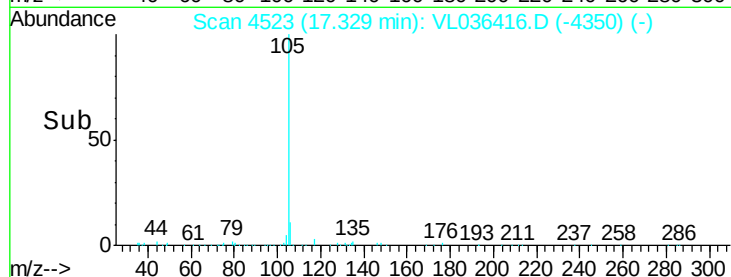
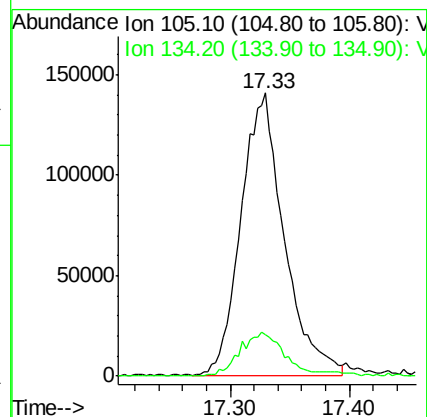
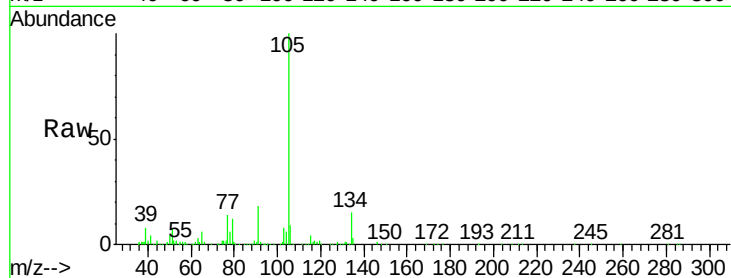
105 100

134 16.9 14.2 21.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.802 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

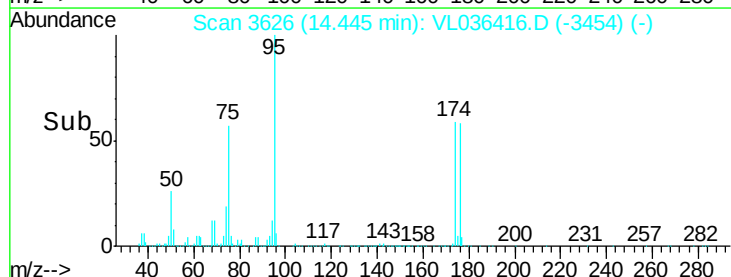
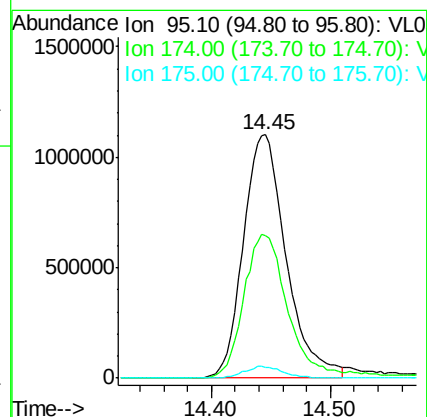
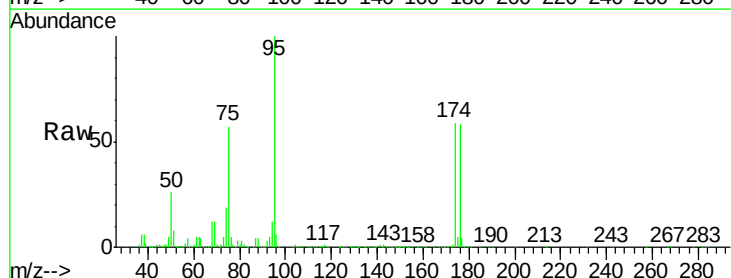
Tgt Ion: 95 Resp: 2734404

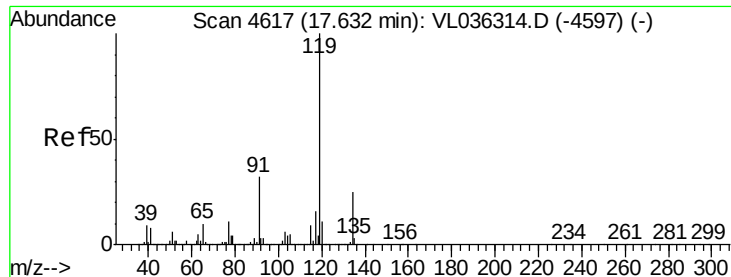
Ion Ratio Lower Upper

95 100

174 63.9 49.8 74.6

175 4.5 3.7 5.5





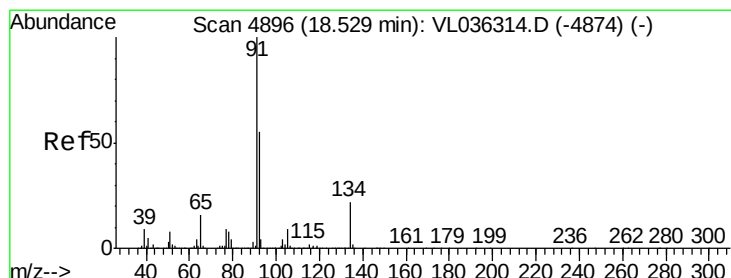
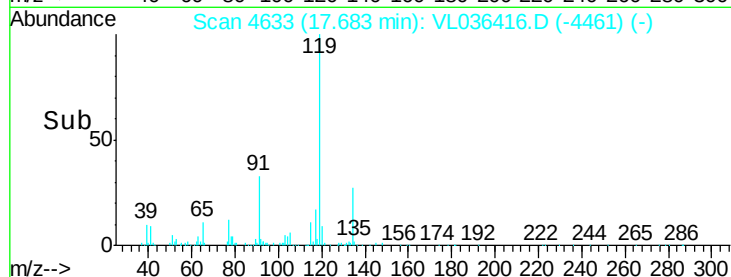
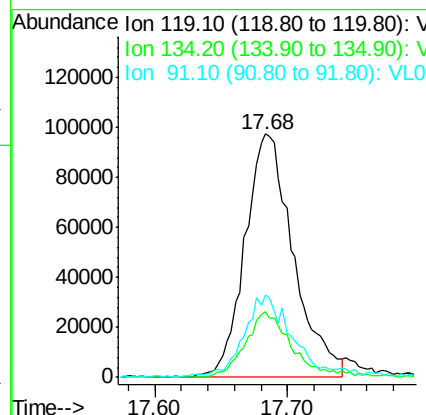
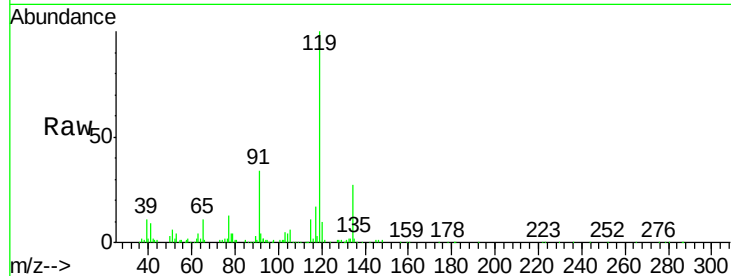
#69
p-Isopropyltoluene
Concen: 0.441 ppbv
RT: 17.68 min Scan# 4633
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	245559		
134	26.8	20.1	30.1	
91	36.1	25.8	38.6	

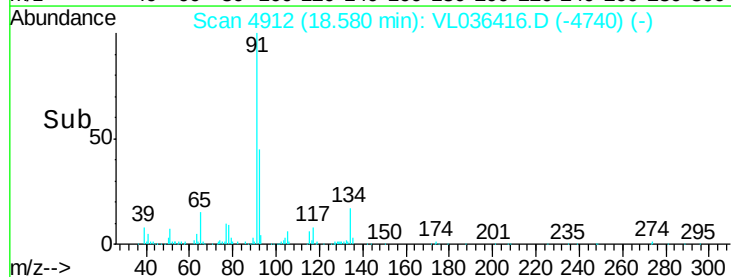
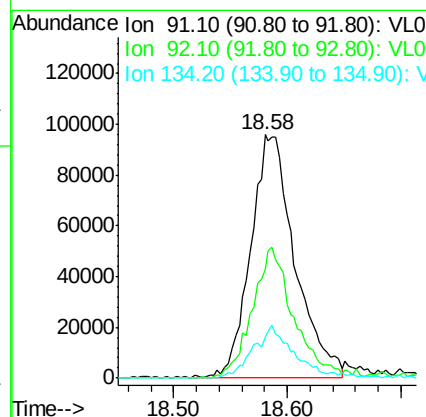
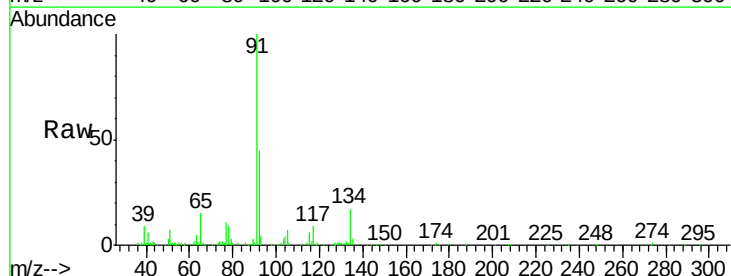
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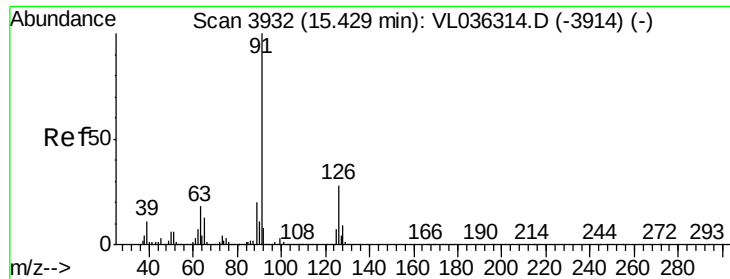
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#70
n-Butylbenzene
Concen: 0.433 ppbv m
RT: 18.58 min Scan# 4912
Delta R.T. 0.05 min
Lab File: VL036416.D
Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	258985		
92	51.6	43.7	65.5	
134	20.4	17.4	26.0	





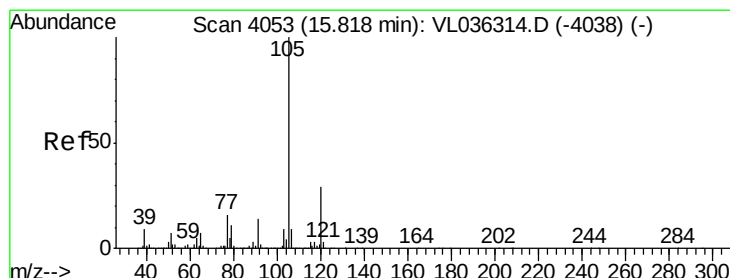
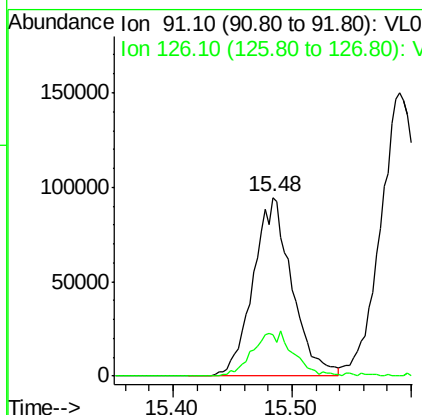
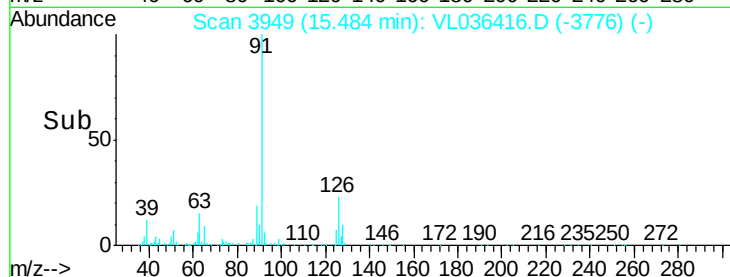
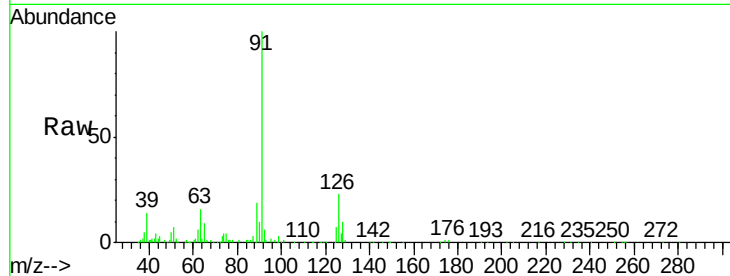
#71
 2-Chlorotoluene
 Concen: 0.475 ppbv m
 RT: 15.48 min Scan# 3949
 Delta R.T. 0.05 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion: 91 Resp: 212821
 Ion Ratio Lower Upper
 91 100
 126 25.9 11.5 46.1

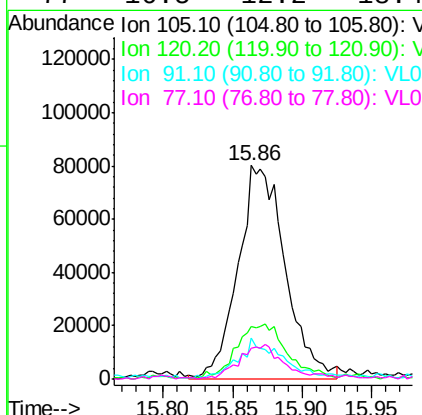
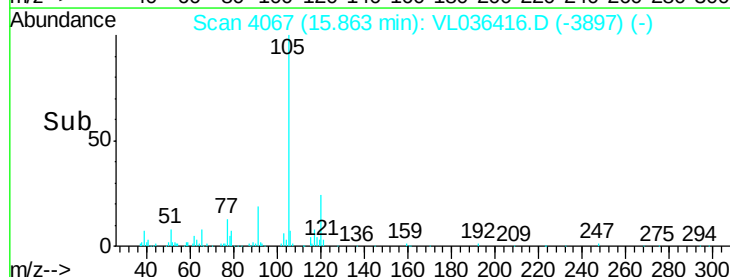
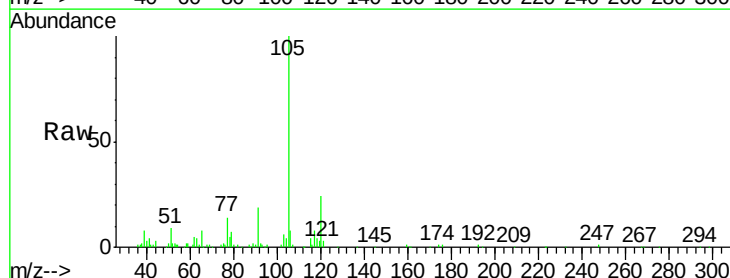
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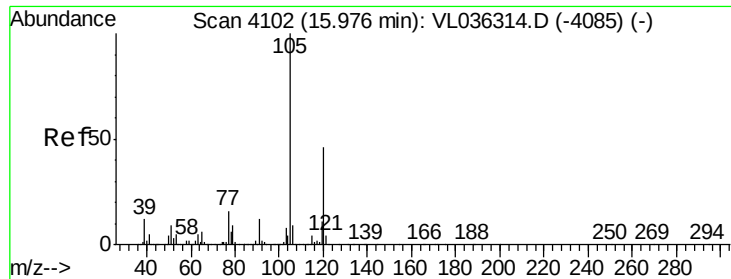
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#72
 4-Ethyltoluene
 Concen: 0.435 ppbv m
 RT: 15.86 min Scan# 4067
 Delta R.T. 0.05 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

Tgt Ion: 105 Resp: 188761
 Ion Ratio Lower Upper
 105 100
 120 28.8 23.2 34.8
 91 0.0 11.0 16.4#
 77 16.5 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.389 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tgt Ion:105 Resp: 163770

Ion Ratio Lower Upper

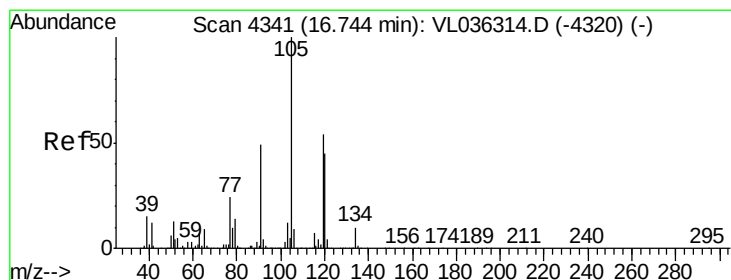
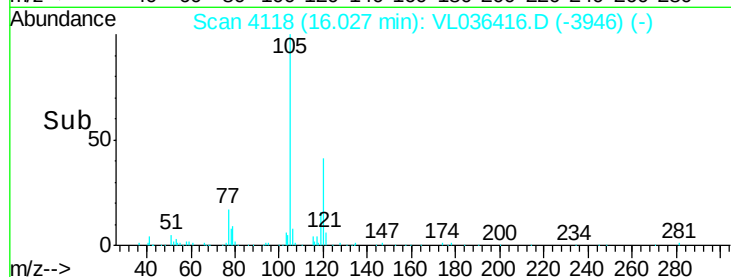
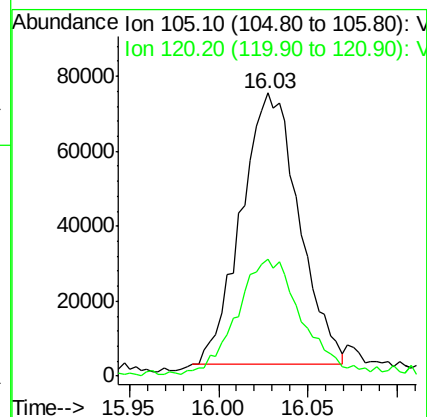
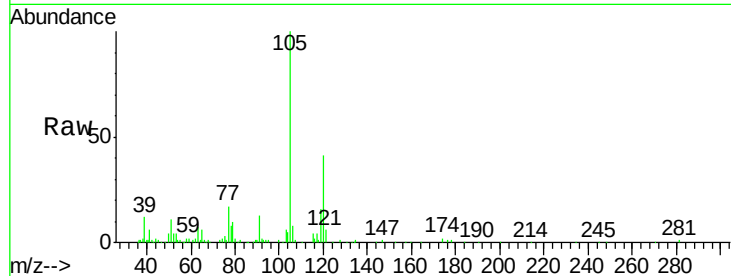
105 100

120 41.3 36.9 55.3

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#74

1,2,4-Trimethylbenzene

Concen: 0.514 ppbv m

RT: 16.79 min Scan# 4355

Delta R.T. 0.05 min

Lab File: VL036416.D

Acq: 1 Mar 2021 15:53

Tgt Ion:105 Resp: 220564

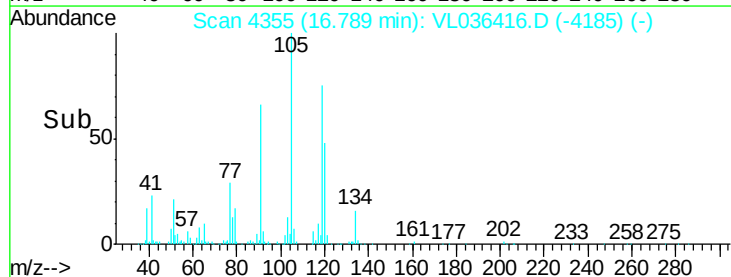
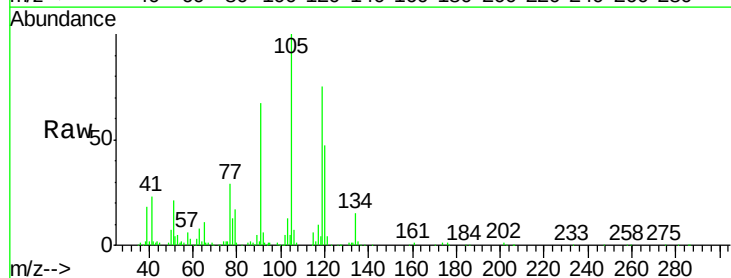
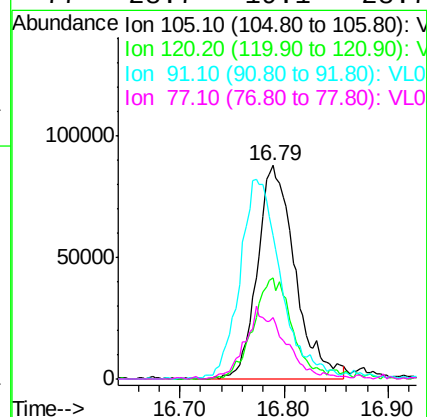
Ion Ratio Lower Upper

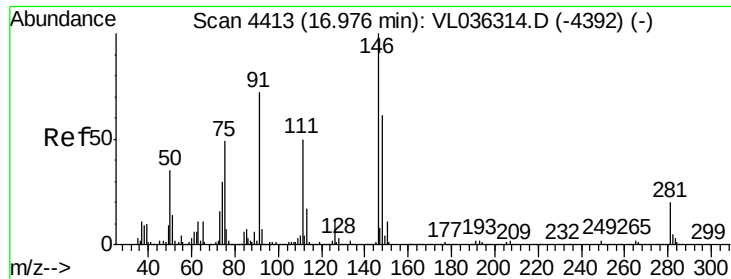
105 100

120 47.2 35.8 53.6

91 67.0 39.8 59.6#

77 28.7 19.1 28.7#





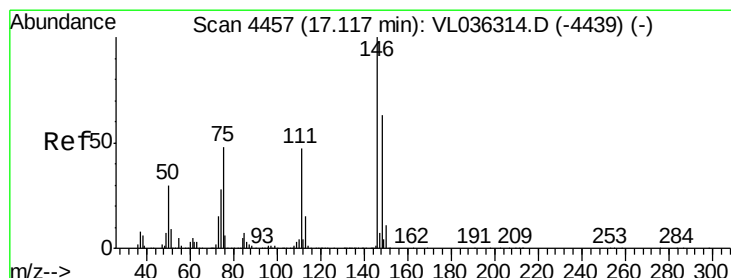
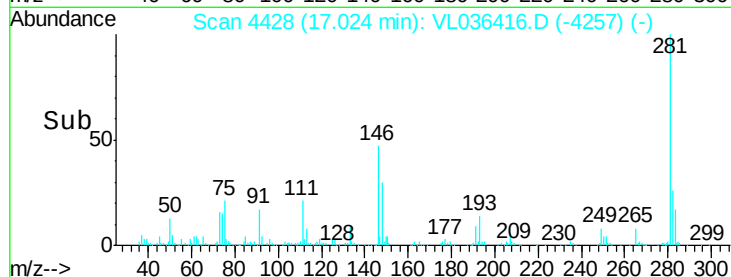
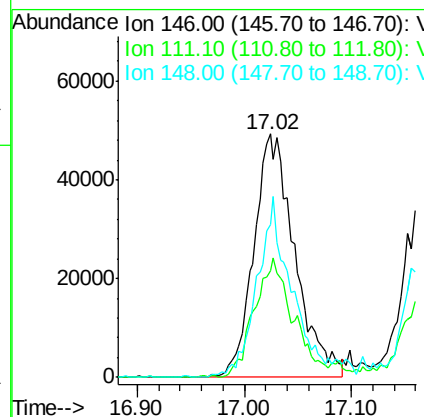
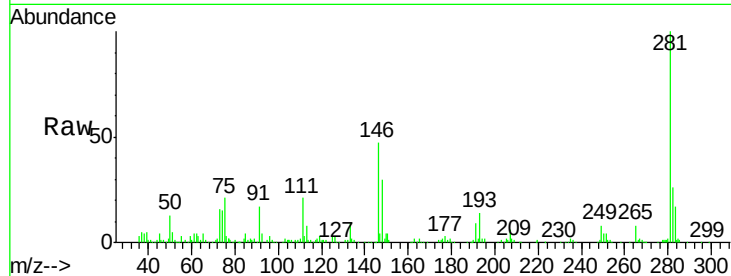
#75
 1,3-Dichlorobenzene
 Concen: 0.561 ppbv m
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.05 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.9	74.6#
148	0.0	31.9	95.9#

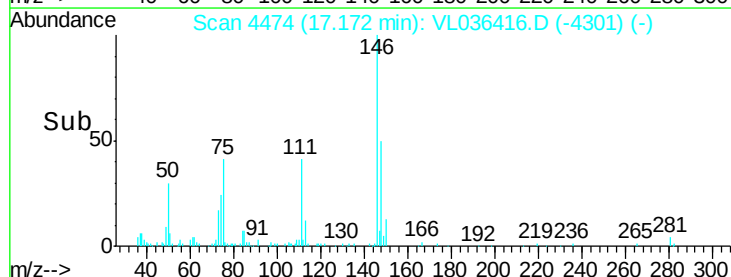
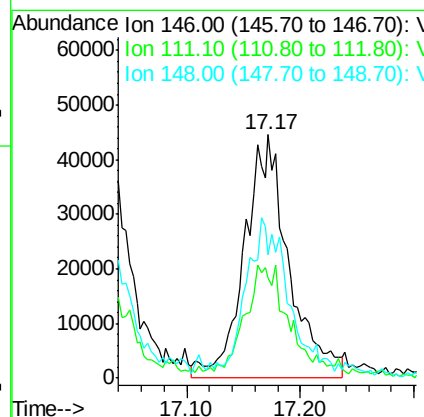
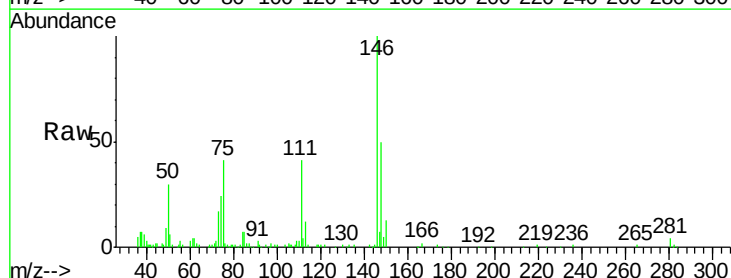
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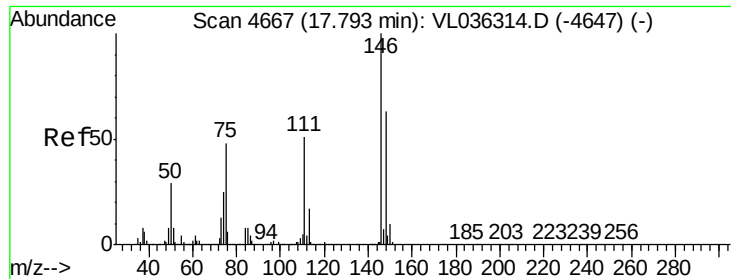
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#76
 1,4-Dichlorobenzene
 Concen: 0.498 ppbv m
 RT: 17.17 min Scan# 4474
 Delta R.T. 0.05 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.6	71.0#
148	0.0	31.6	95.0#





#77
 1,2-Dichlorobenzene
 Concen: 0.495 ppbv m
 RT: 17.85 min Scan# 4685
 Delta R.T. 0.06 min
 Lab File: VL036416.D
 Acq: 1 Mar 2021 15:53

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.9	77.8#
148	0.0	32.5	97.4#

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