

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037477.D
 Acq On : 17 Aug 2021 1:14
 Operator : SY/AP
 Sample : M2940-14 0.5 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Manual Integrations
 APPROVED

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 8/19/2021 5:59:43 PM

Quant Time: Aug 17 12:40:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1369622	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4114896	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3547209	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2723608	10.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	170114	0.774	ppbv	90
3) Chlorodifluoromethane	2.98	51	146737	0.559	ppbv	97
4) Chloromethane	3.13	50	49198	0.525	ppbv	98
5) Vinyl Chloride	3.25	62	49984	0.521	ppbv #	88
6) Bromomethane	3.46	94	27387m	0.521	ppbv	
7) Chloroethane	3.55	64	19845	0.606	ppbv #	77
8) Dichlorotetrafluoroethane	3.18	85	128657	0.567	ppbv	95
9) Propene	3.00	41	40255	0.429	ppbv #	80
10) Heptane	8.11	43	92830	0.430	ppbv	89
11) Trichlorofluoromethane	3.94	101	109881	0.533	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	82635	0.546	ppbv	95
13) Ethanol	3.62	45	4504m	0.493	ppbv	
14) Bromoethene	3.73	108	35787m	0.521	ppbv	
15) Acetone	3.86	43	83236m	0.597	ppbv	
16) 1,3-Butadiene	3.32	39	41955	0.469	ppbv	89
17) tert-Butyl alcohol	4.31	59	65521m	0.515	ppbv	
18) 1,1-Dichloroethene	4.27	96	37159m	0.540	ppbv	
19) Isopropyl Alcohol	3.99	45	41275m	0.517	ppbv	
20) Methylene Chloride	4.33	84	44503	0.638	ppbv #	81
21) Allyl Chloride	4.40	41	51371m	0.454	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	33185m	0.484	ppbv	
23) Vinyl Acetate	5.07	43	85236	0.415	ppbv #	91
24) 1,1-Dichloroethane	5.00	63	93951m	0.630	ppbv	
25) Ethyl Acetate	5.68	43	180940	0.511	ppbv #	97
26) Hexane	5.67	57	84868	0.491	ppbv	94
27) Carbon Disulfide	4.54	76	61889m	0.401	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	90988m	0.548	ppbv	
29) Chloroform	5.73	83	135632	0.553	ppbv	91
30) Cyclohexane	7.11	84	62442m	0.433	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	72484m	0.463	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	123124	0.511	ppbv	96
34) 2-Butanone	5.26	43	87317m	0.520	ppbv	
35) Carbon Tetrachloride	7.01	117	116533m	0.479	ppbv	
36) Benzene	6.87	78	165446	0.478	ppbv	96
37) 1,2-Dichloroethane	6.29	62	79509	0.464	ppbv #	95
38) Trichloroethene	7.82	130	72885m	0.514	ppbv	
39) 1,2-Dichloropropane	7.60	63	64157	0.483	ppbv	89
40) 1,4-Dioxane	7.85	88	16595m	0.510	ppbv	
41) Tetrahydrofuran	6.07	42	32715m	0.404	ppbv	
42) Bromodichloromethane	7.77	83	110975	0.443	ppbv	93
43) Methyl Methacrylate	8.01	69	49507m	0.411	ppbv	

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Manual Integrations
 APPROVED

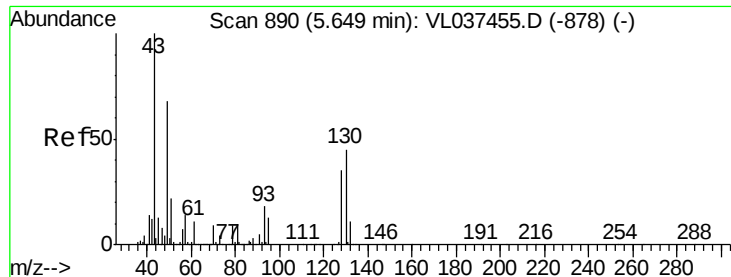
MMDadoda
 8/19/2021 5:59:43 PM

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

44) 2,2,4-Trimethylpentane	7.85	57	286086m	0.491	ppbv	
45) t-1,3-Dichloropropene	9.26	75	30776m	0.339	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	48350m	0.382	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	78226m	0.545	ppbv	
48) Dibromochloromethane	10.29	129	89371m	0.432	ppbv	
49) Bromoform	13.02	173	61743m	0.379	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	90868m	0.415	ppbv	
51) 2-Hexanone	10.16	43	35819m	0.355	ppbv	
52) Tetrachloroethene	11.21	164	66419m	0.469	ppbv	
53) Toluene	9.79	91	174518m	0.442	ppbv	
54) 1,2-Dibromoethane	10.60	107	96888	0.483	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.11	131	82887m	0.561	ppbv	
57) Chlorobenzene	12.12	112	164836m	0.560	ppbv	
58) Ethyl Benzene	12.70	91	216929	0.441	ppbv	97
59) m/p-Xylene	12.98	91	415157m	0.973	ppbv	
60) o-Xylene	13.67	91	203188	0.510	ppbv	97
61) Styrene	13.51	104	78738m	0.381	ppbv	
62) Isopropylbenzene	14.65	105	299234	0.532	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	162306m	0.548	ppbv	
64) n-propylbenzene	15.55	120	69430m	0.485	ppbv	
65) tert-Butylbenzene	16.73	119	262641m	0.513	ppbv	
66) Benzyl Chloride	16.97	91	11982m	0.517	ppbv	
67) sec-Butylbenzene	17.27	105	355293	0.497	ppbv	99
69) p-Isopropyltoluene	17.64	119	273196	0.469	ppbv	97
70) n-Butylbenzene	18.54	91	231555	0.416	ppbv	95
71) 2-Chlorotoluene	15.43	91	201229	0.488	ppbv	95
72) 4-Ethyltoluene	15.82	105	218268m	0.461	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	207552	0.471	ppbv	90
74) 1,2,4-Trimethylbenzene	16.74	105	241315m	0.515	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	141134	0.500	ppbv	91
76) 1,4-Dichlorobenzene	17.12	146	120516	0.424	ppbv	83
77) 1,2-Dichlorobenzene	17.80	146	139800m	0.503	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	126467	0.548	ppbv	94
79) Naphthalene	22.19	128	93853m	0.299	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	12812m	0.147	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	76586m	0.389	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 49 Resp: 1369622

Ion Ratio Lower Upper

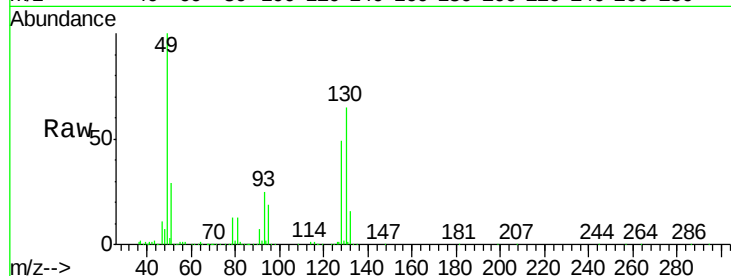
49 100

128 55.4 27.5 82.4

130 70.4 34.0 101.8

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

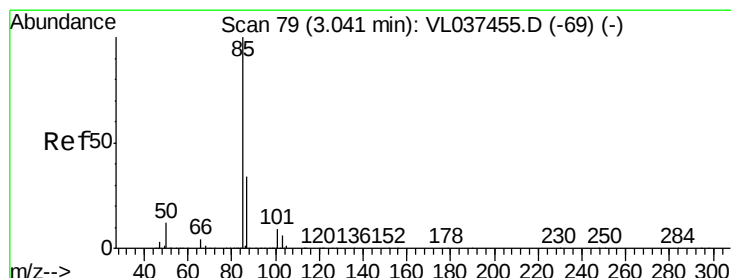
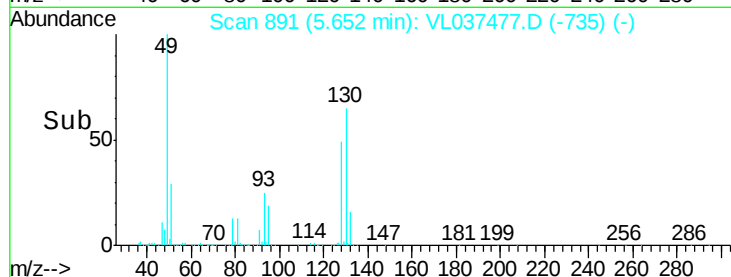
400000

200000

0

5.55 5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.774 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037477.D

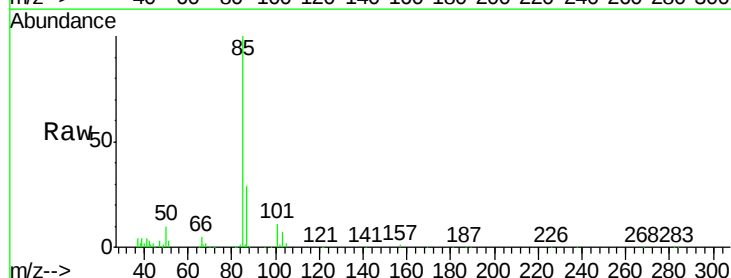
Acq: 17 Aug 2021 1:14

Tgt Ion: 85 Resp: 170114

Ion Ratio Lower Upper

85 100

87 28.7 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

120000

100000

80000

60000

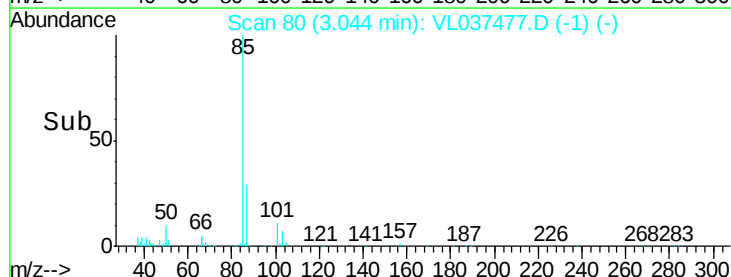
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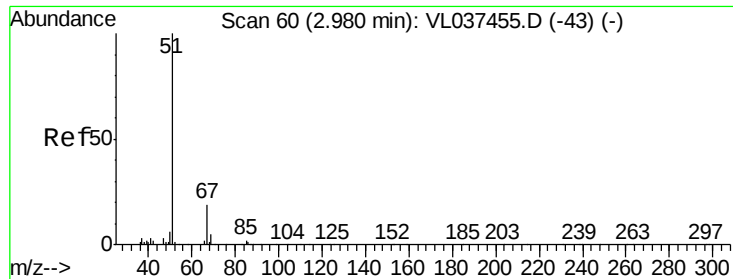
20000

0

3.00 3.05 3.10

Time-->





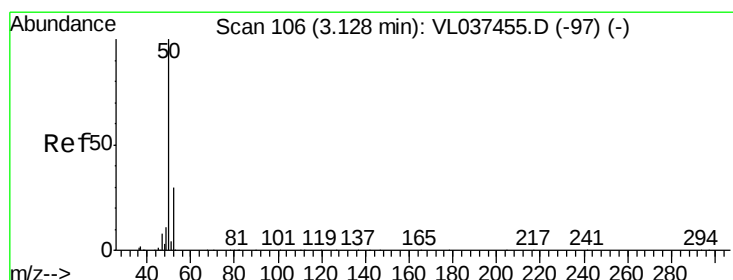
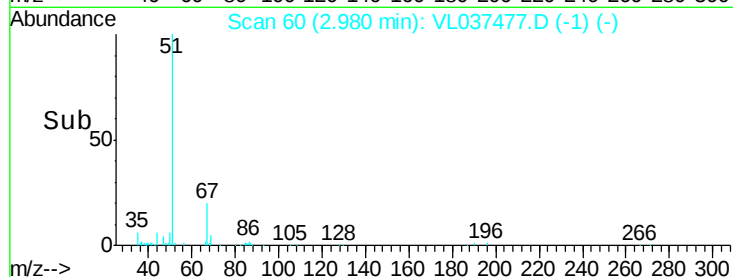
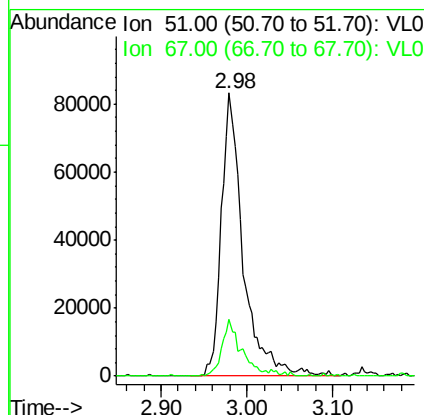
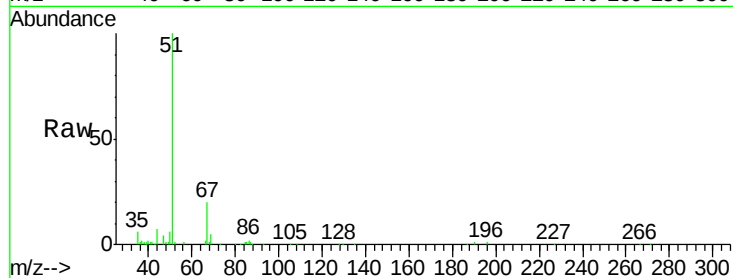
#3
Chlorodifluoromethane
Concen: 0.559 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
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LOQ-AIR-02-QT3-2021

Tot Ion	51	Resp	146737
Ion	Ratio	Lower	Upper
51	100		
67	18.9	14.2	21.2

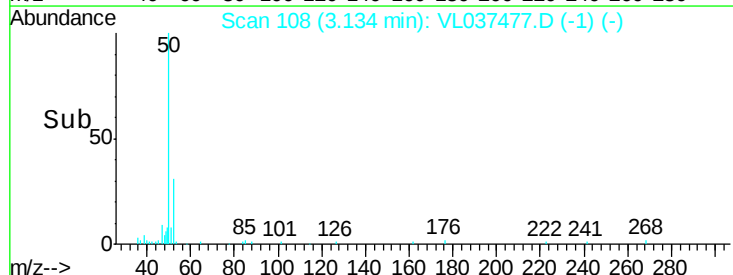
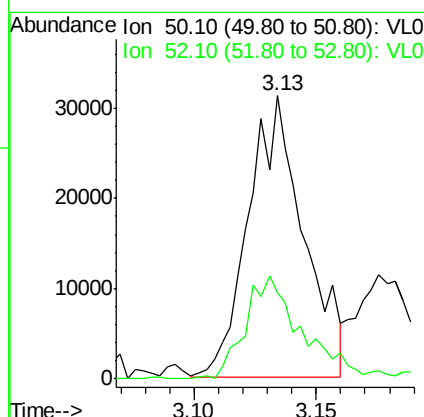
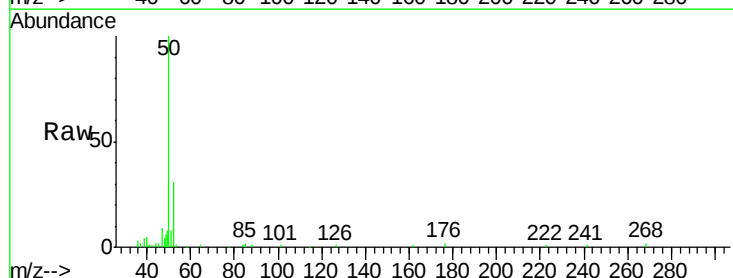
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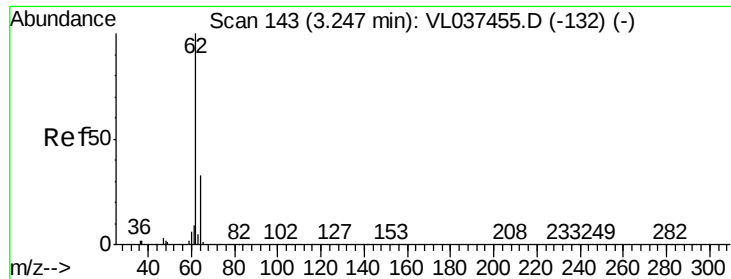
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#4
Chloromethane
Concen: 0.525 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	50	Resp	49198
Ion	Ratio	Lower	Upper
50	100		
52	30.9	24.0	36.0





#5

Vinyl Chloride

Concen: 0.521 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 62 Resp: 49984

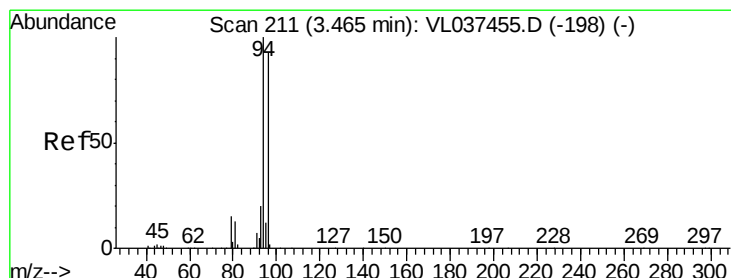
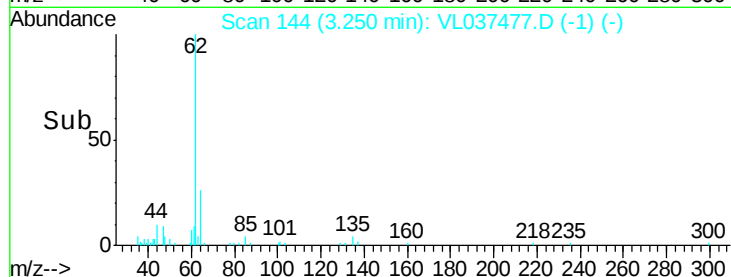
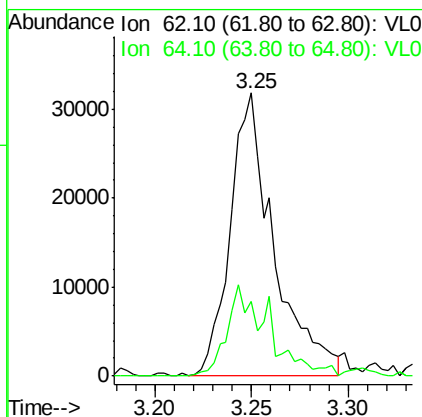
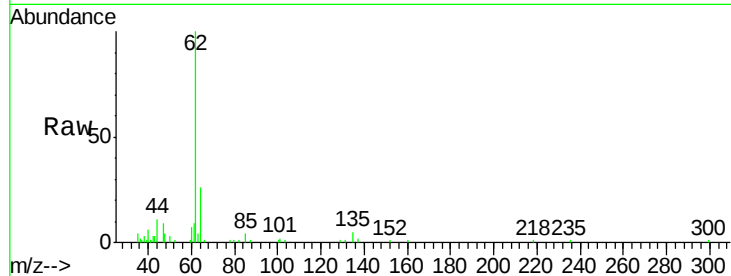
Ion Ratio Lower Upper

62 100

64 26.2 26.5 39.7#

Manual Integrations
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#6

Bromomethane

Concen: 0.521 ppbv m

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037477.D

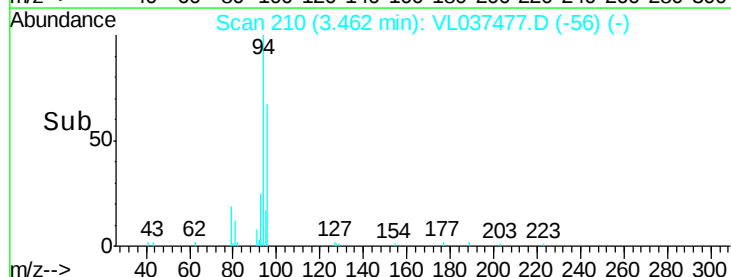
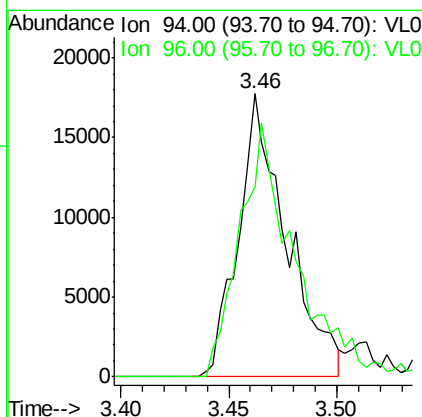
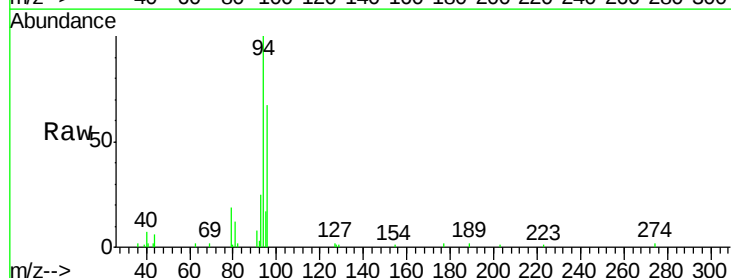
Acq: 17 Aug 2021 1:14

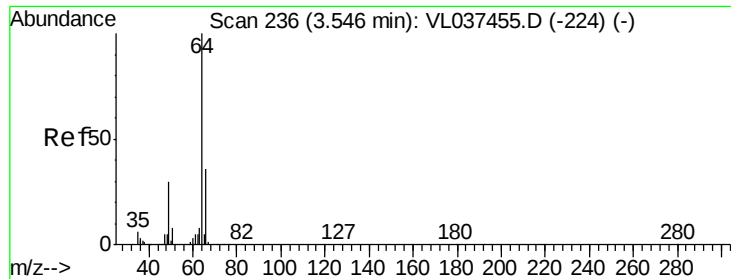
Tgt Ion: 94 Resp: 27387

Ion Ratio Lower Upper

94 100

96 67.2 74.5 111.7#





#7

Chloroethane

Concen: 0.606 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 64 Resp: 19845

Ion Ratio Lower Upper

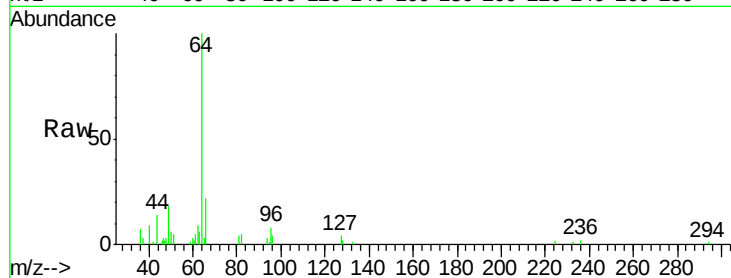
64 100

66 22.2 28.6 43.0#

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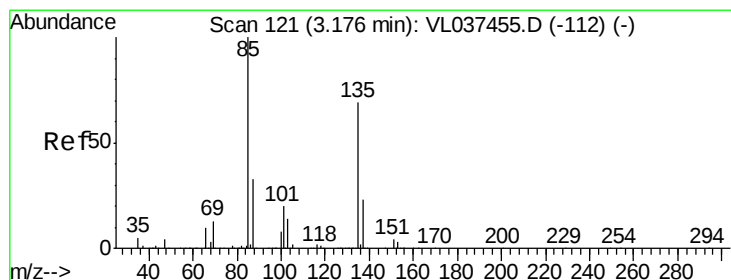
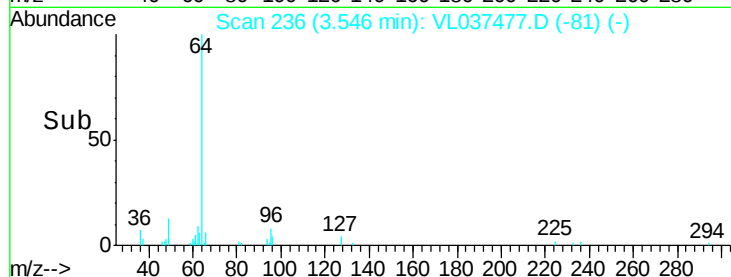
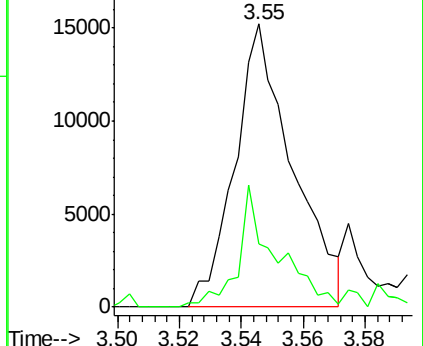
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.567 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037477.D

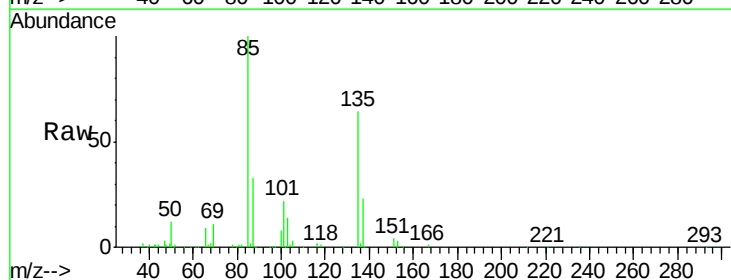
Acq: 17 Aug 2021 1:14

Tgt Ion: 85 Resp: 128657

Ion Ratio Lower Upper

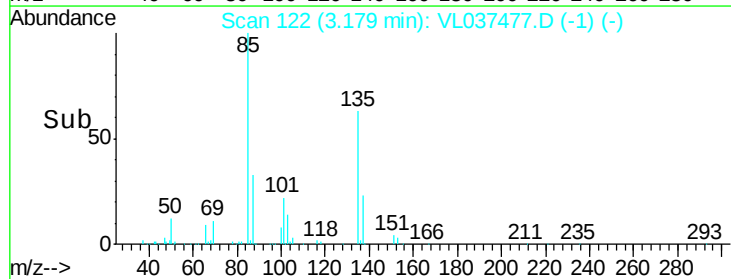
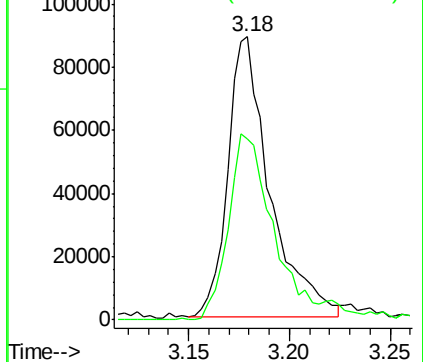
85 100

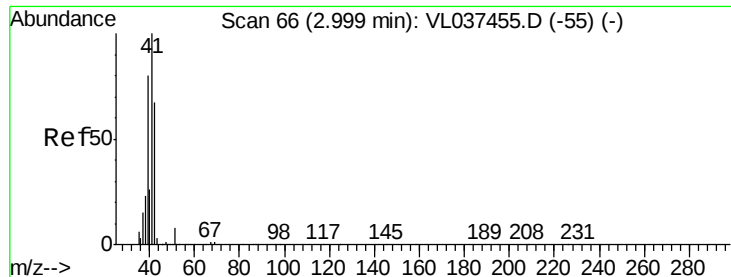
135 77.3 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.429 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 41 Resp: 40255

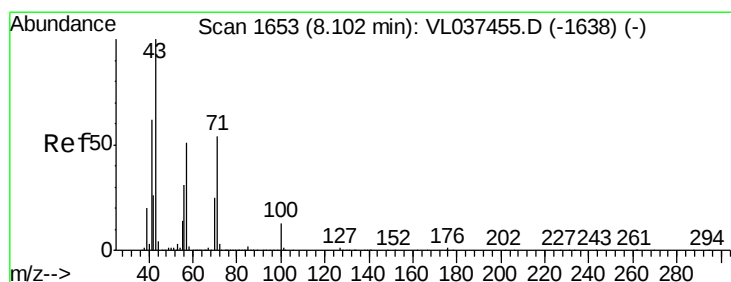
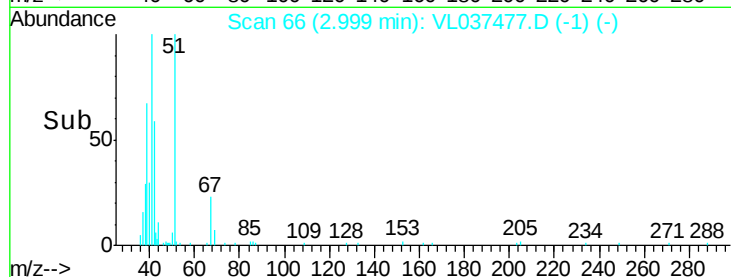
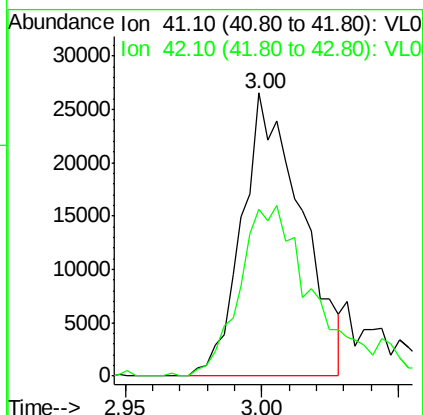
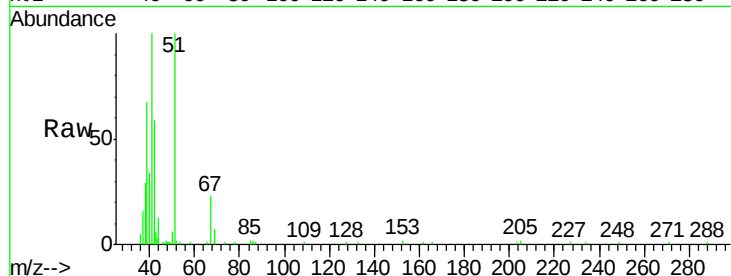
Ion Ratio Lower Upper

41 100

42 83.1 53.7 80.5#

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#10

Heptane

Concen: 0.430 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037477.D

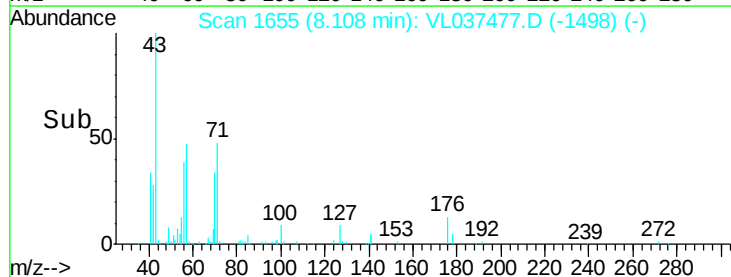
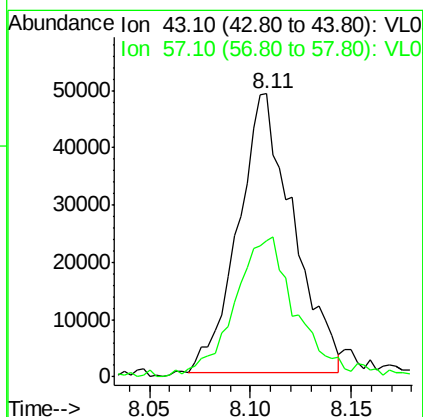
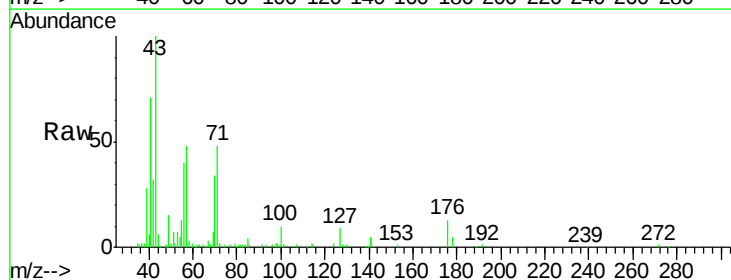
Acq: 17 Aug 2021 1:14

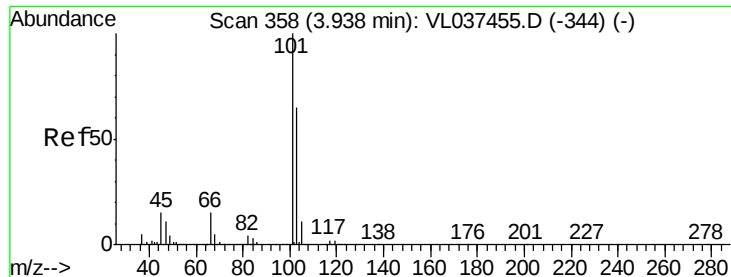
Tgt Ion: 43 Resp: 92830

Ion Ratio Lower Upper

43 100

57 59.3 41.0 61.6





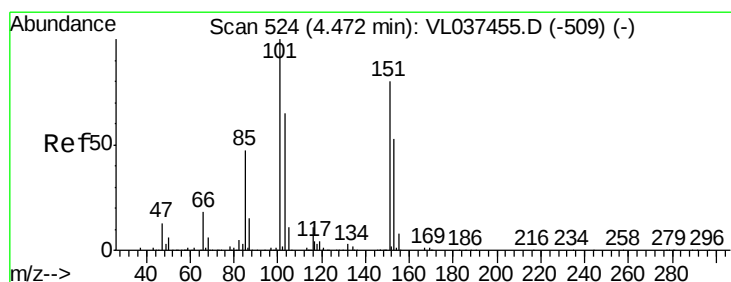
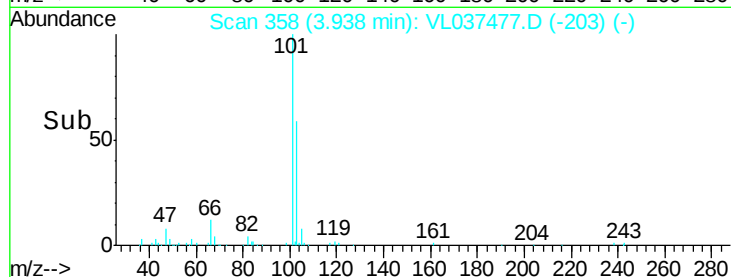
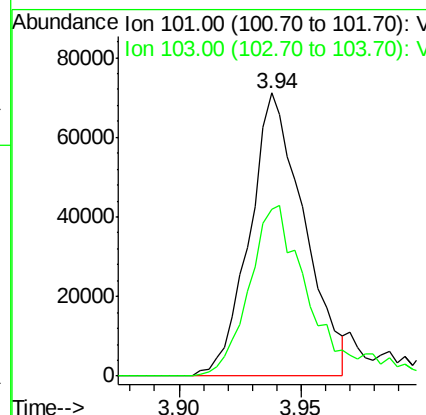
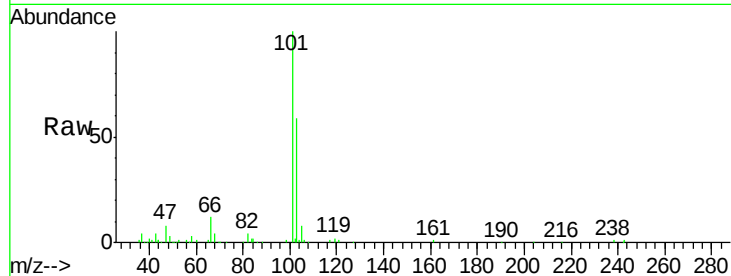
#11
 Trichlorofluoromethane
 Concen: 0.533 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
101	100	109881		
103	59.0		51.8	77.6

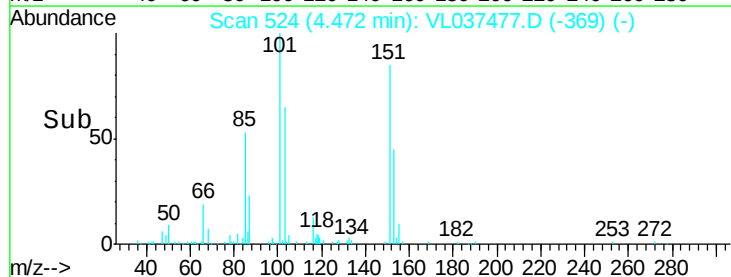
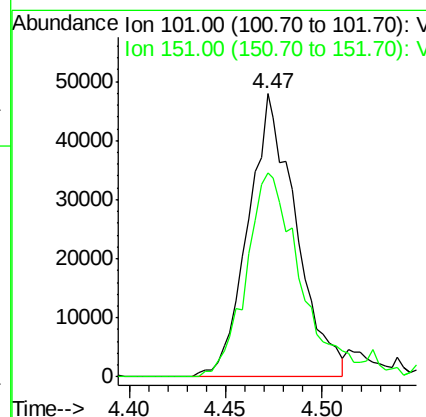
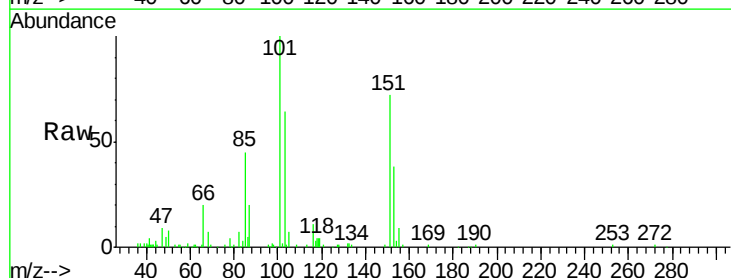
Manual Integrations
 APPROVED

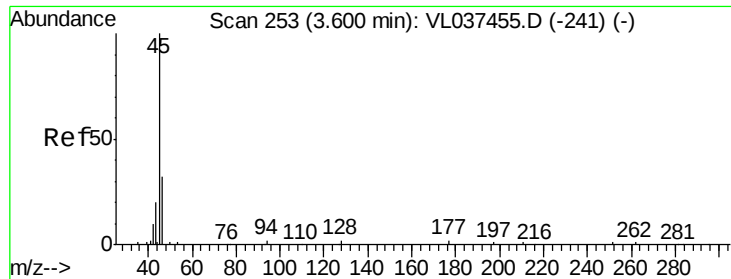
MMDadoda
 8/19/2021 5:59:43 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.546 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	82635		
151	83.8		63.7	95.5





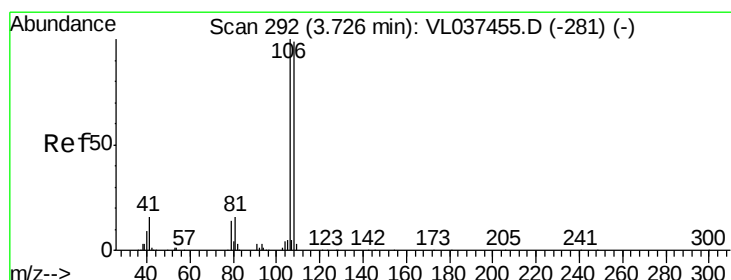
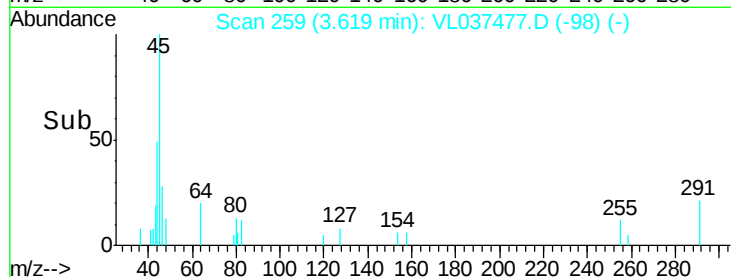
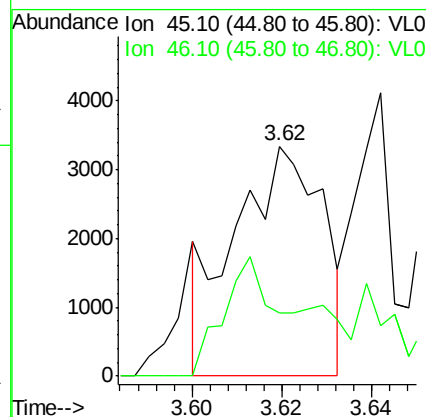
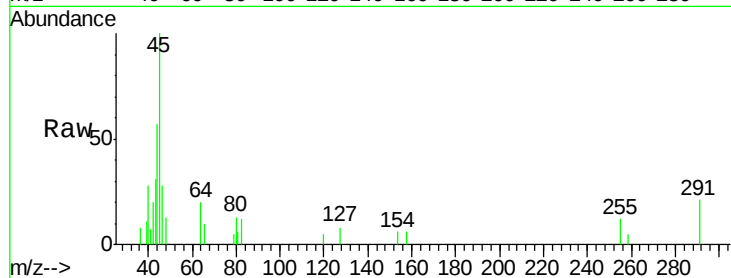
#13
Ethanol
Concen: 0.493 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion: 45 Resp: 4504
Ion Ratio Lower Upper
45 100
46 76.0 14.1 56.5#

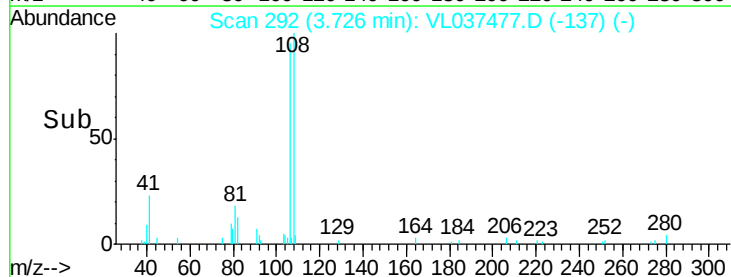
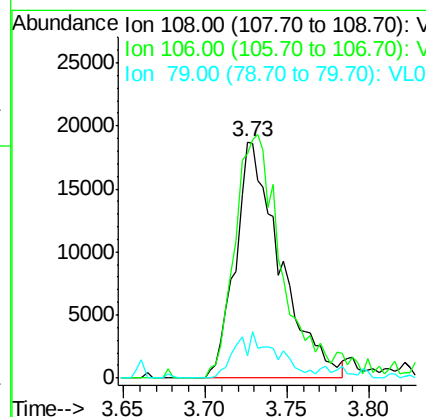
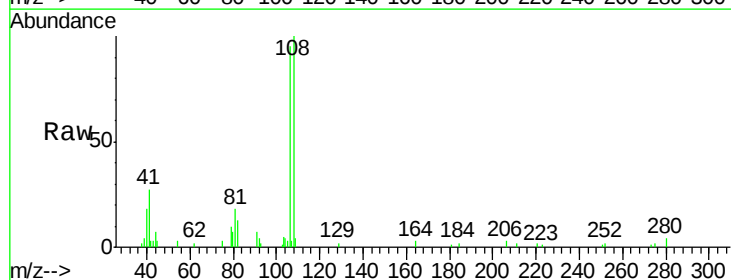
Manual Integrations
APPROVED

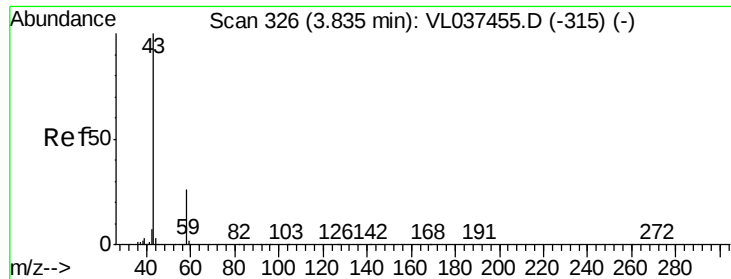
MMDadoda
8/19/2021 5:59:43 PM



#14
Bromoethene
Concen: 0.521 ppbv m
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion: 108 Resp: 35787
Ion Ratio Lower Upper
108 100
106 109.6 85.8 128.8
79 17.6 12.6 18.8





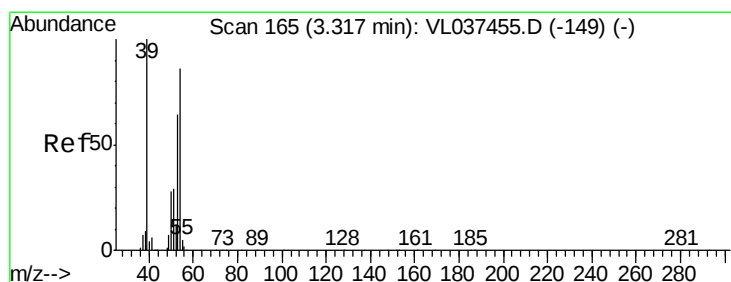
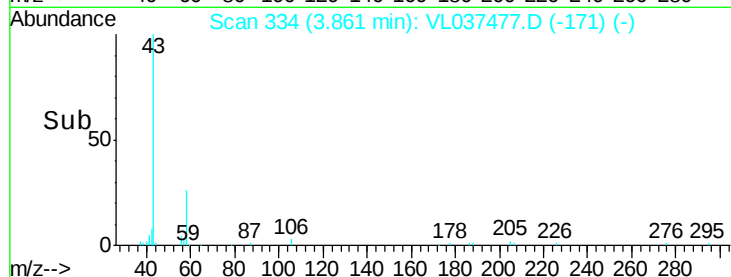
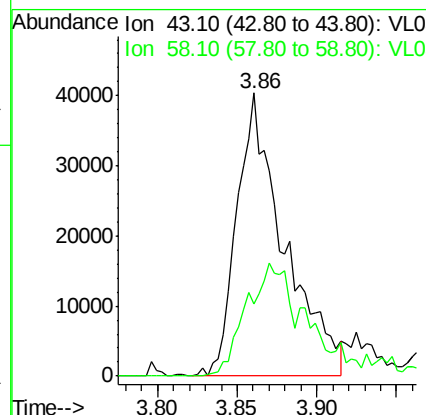
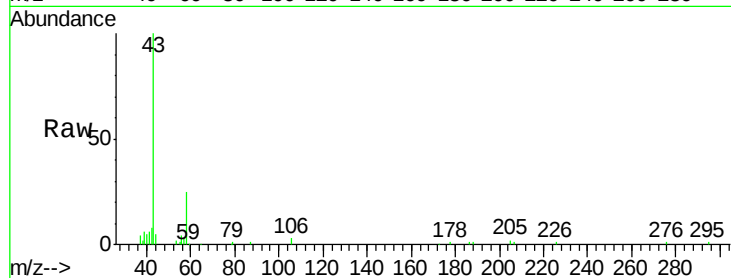
#15
Acetone
Concen: 0.597 ppbv m
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion: 43 Resp: 83236
Ion Ratio Lower Upper
43 100
58 53.5 24.8 37.2#

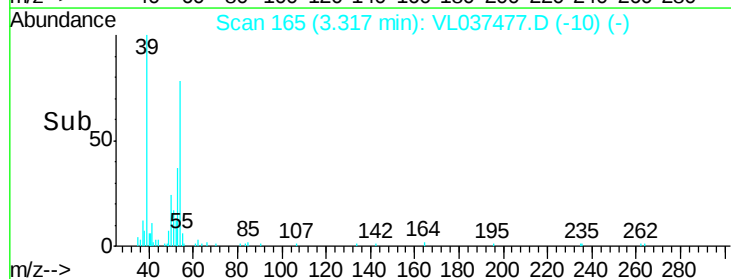
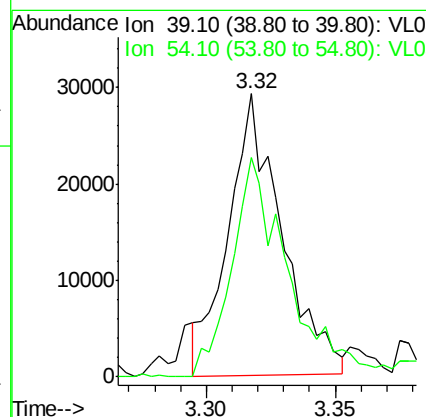
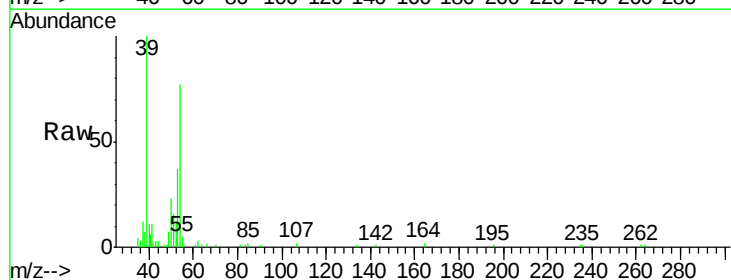
Manual Integrations
APPROVED

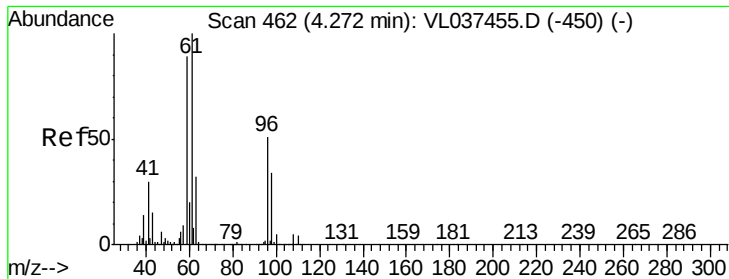
MMDadoda
8/19/2021 5:59:43 PM



#16
1,3-Butadiene
Concen: 0.469 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion: 39 Resp: 41955
Ion Ratio Lower Upper
39 100
54 89.1 63.7 95.5





#17

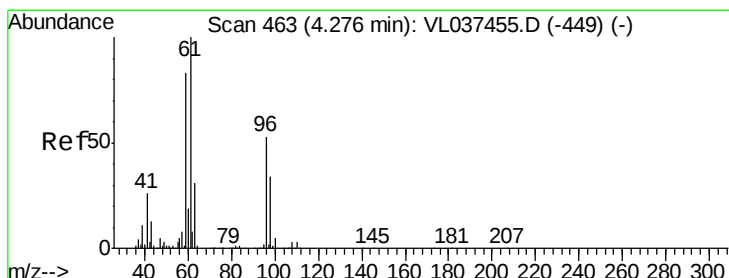
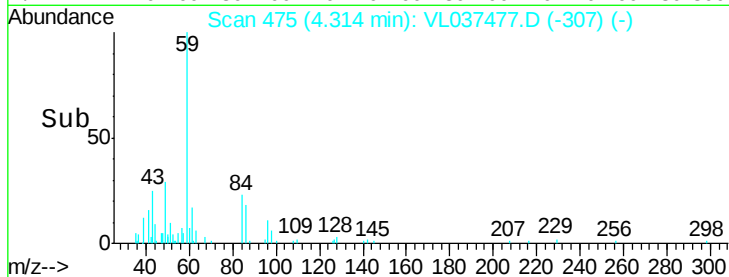
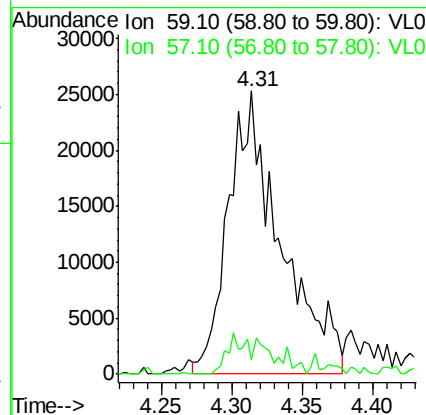
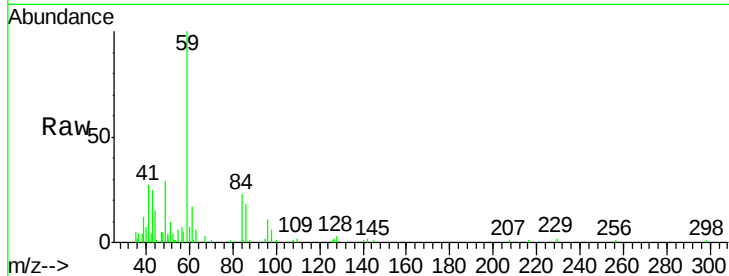
tert-Butyl alcohol
 Concen: 0.515 ppbv m
 RT: 4.31 min Scan# 475
 Delta R.T. 0.04 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

Manual Integrations
 APPROVED

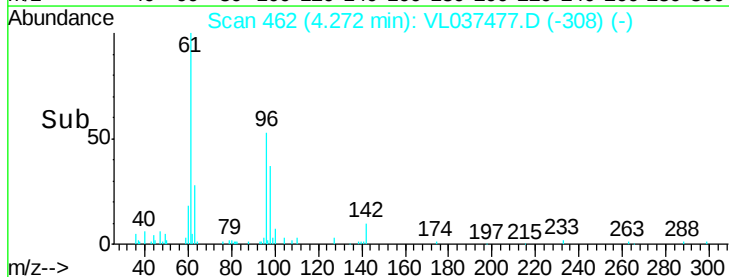
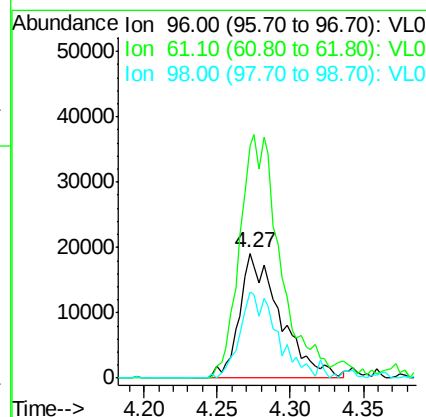
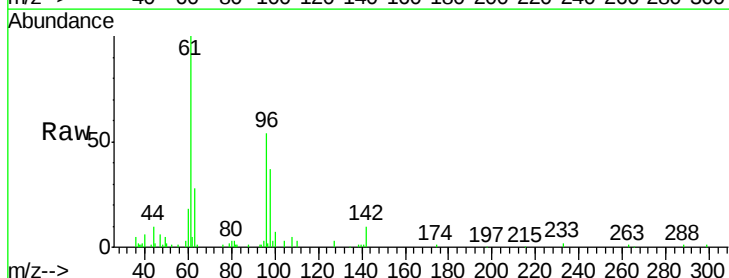
MMDadoda
 8/19/2021 5:59:43 PM

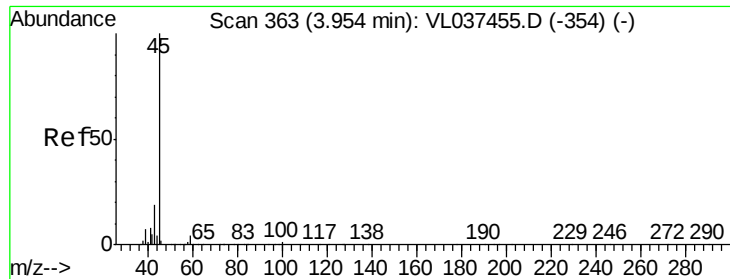


#18

1,1-Dichloroethene
 Concen: 0.540 ppbv m
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.0	151.1	226.7
98	69.1	51.8	77.8





#19

Isopropyl Alcohol

Concen: 0.517 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 45 Resp: 41275

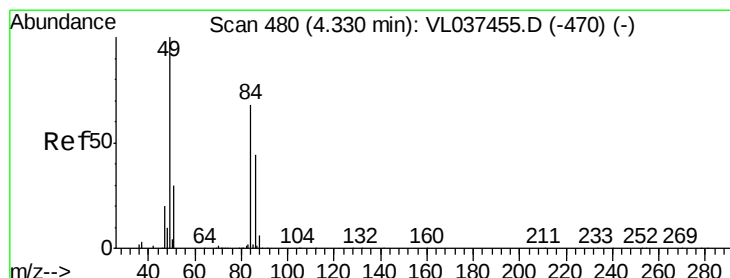
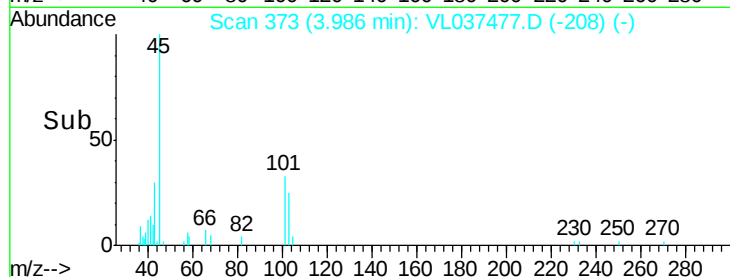
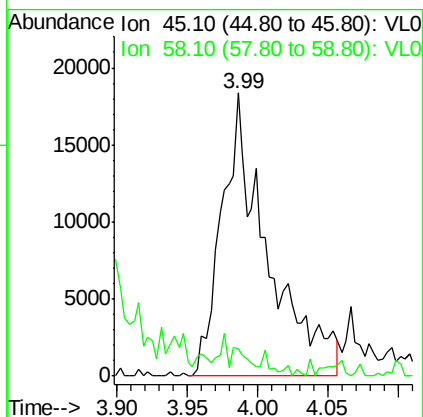
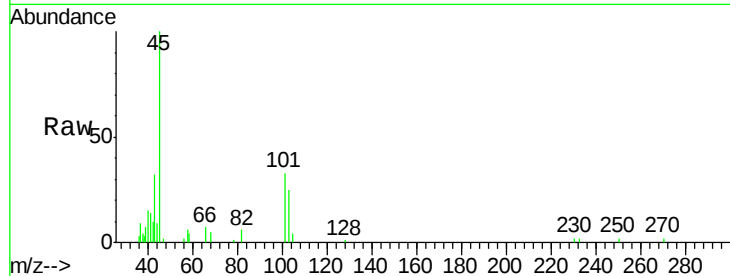
Ion Ratio Lower Upper

45 100

58 8.5 1.4 2.2#

Manual Integrations
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#20

Methylene Chloride

Concen: 0.638 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion: 84 Resp: 44503

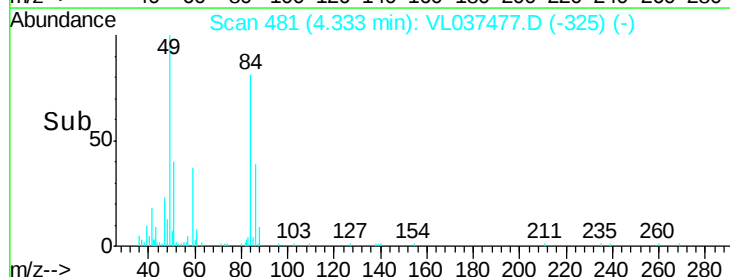
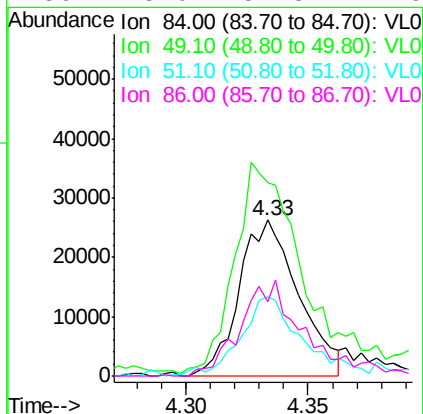
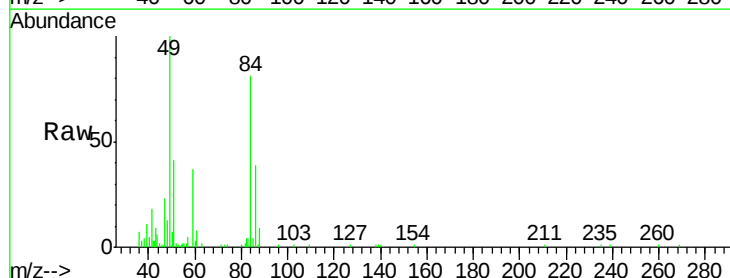
Ion Ratio Lower Upper

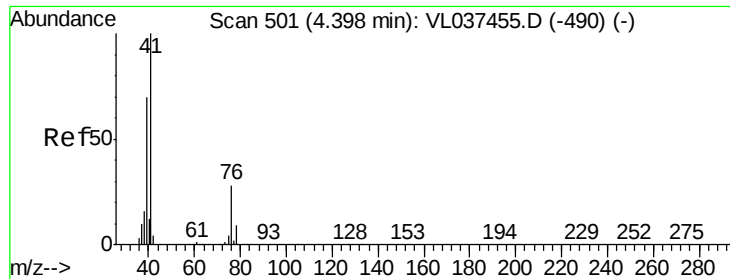
84 100

49 119.2 118.2 177.2

51 47.9 36.6 55.0

86 48.0 51.8 77.6#





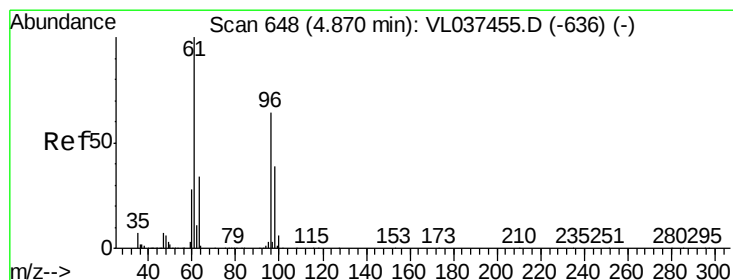
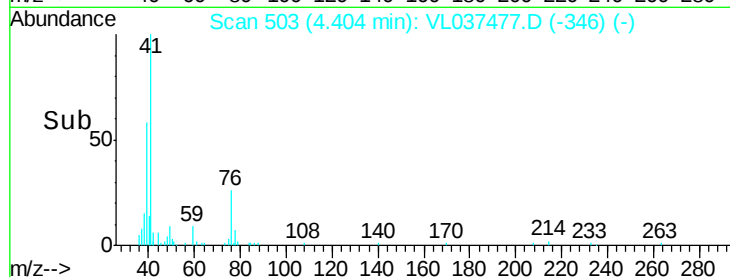
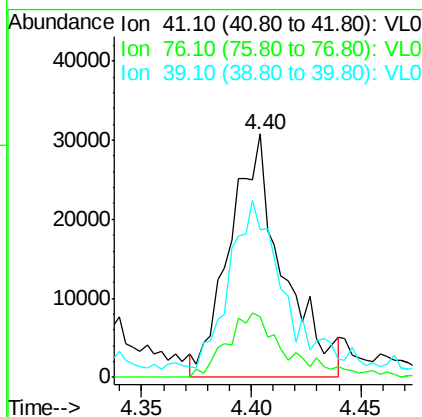
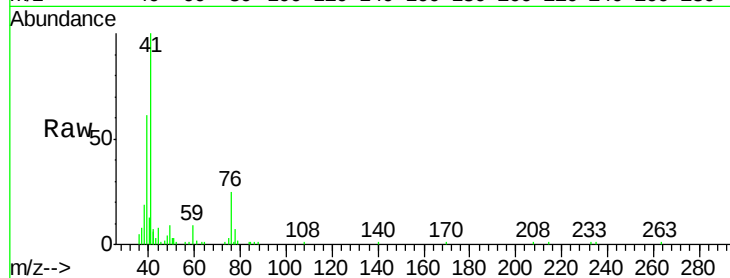
#21
Allvl Chloride
Concen: 0.454 ppbv m
RT: 4.40 min Scan# 503
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.1	21.8	32.6
39	90.0	56.8	85.2#

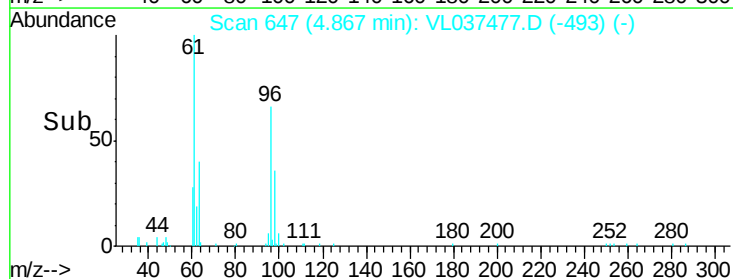
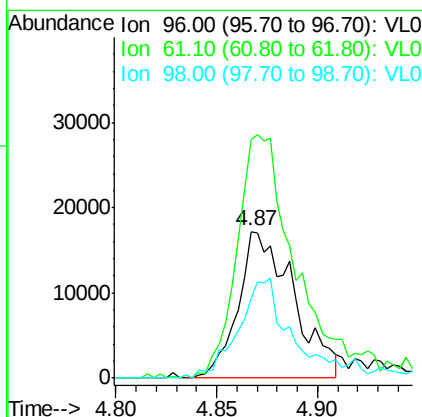
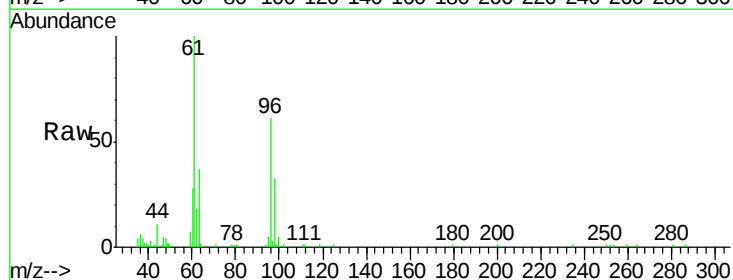
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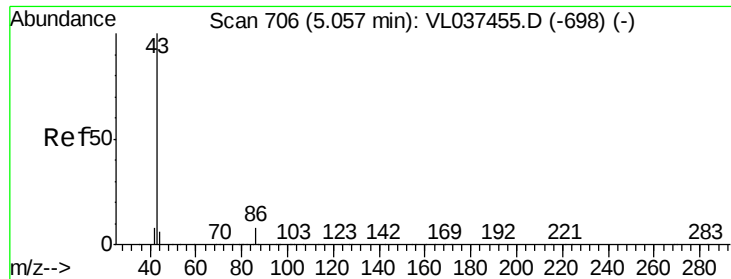
MMDadoda
8/19/2021 5:59:43 PM



#22
trans-1,2-Dichloroethene
Concen: 0.484 ppbv m
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.7	125.5	188.3
98	54.4	49.0	73.4





#23

Vinyl Acetate

Concen: 0.415 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

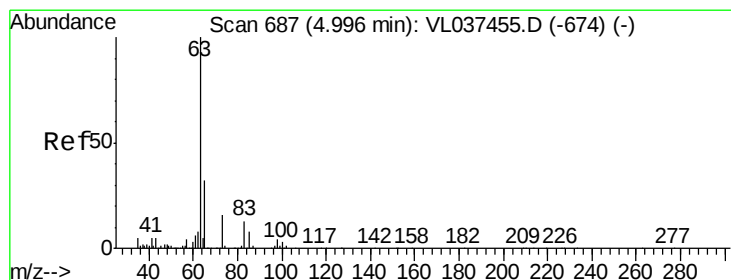
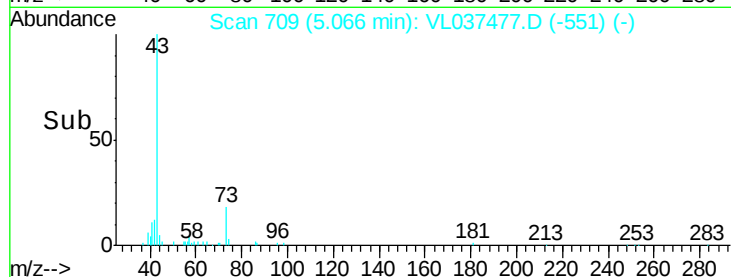
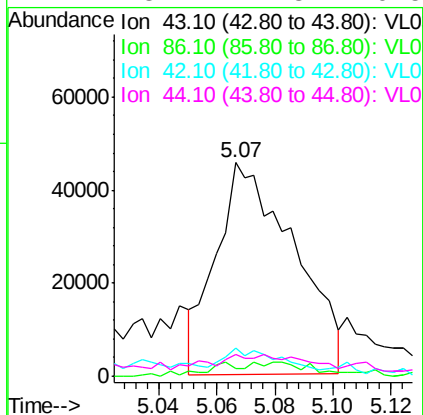
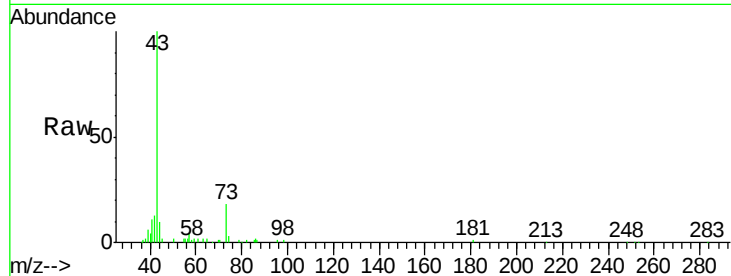
ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion	43	Resp	85236
Ion Ratio	Lower	Upper	
43	100		
86	2.3	5.7	8.5#
42	11.4	7.4	11.2#
44	8.1	4.3	6.5#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.630 ppbv m

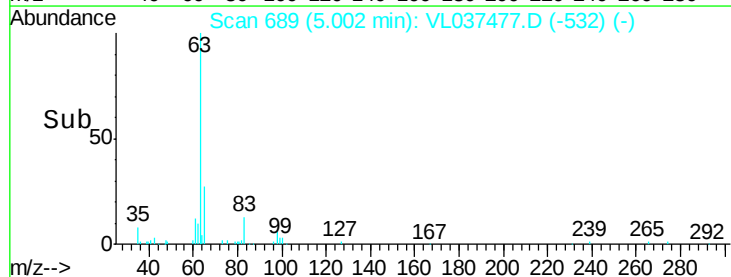
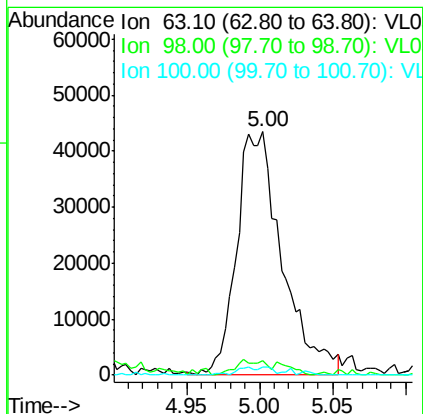
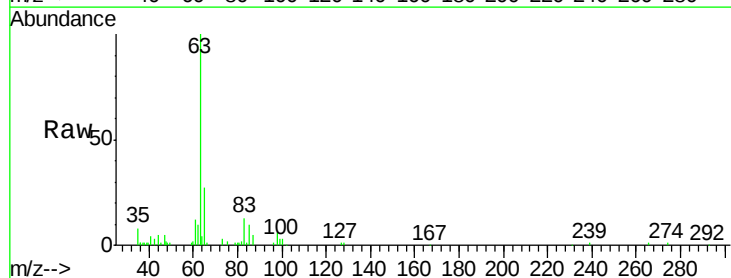
RT: 5.00 min Scan# 689

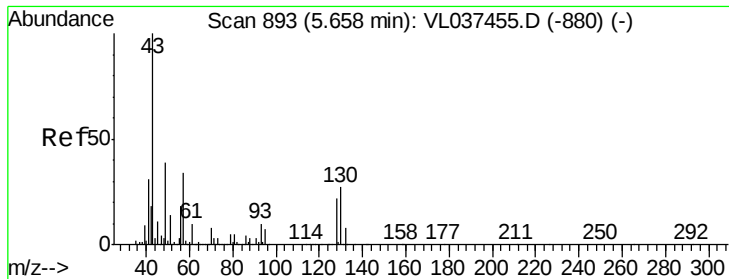
Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion	63	Resp	93951
Ion Ratio	Lower	Upper	
63	100		
98	5.8	2.1	6.3
100	3.3	1.6	4.7





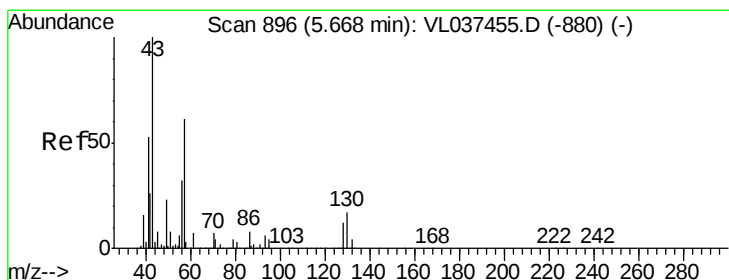
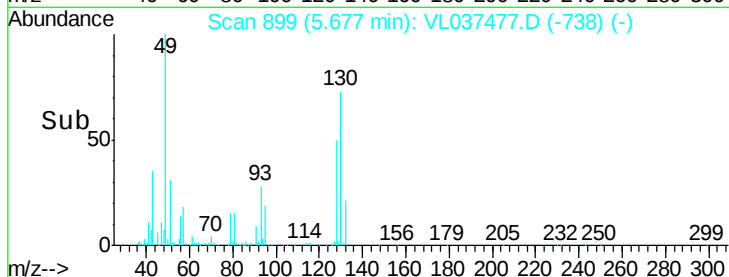
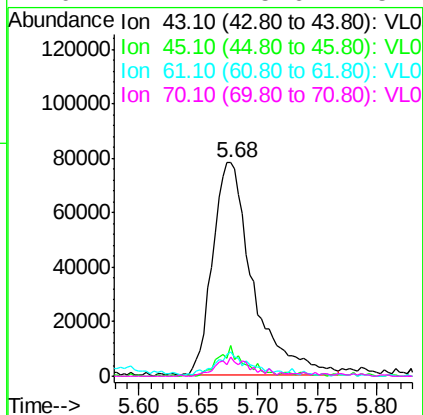
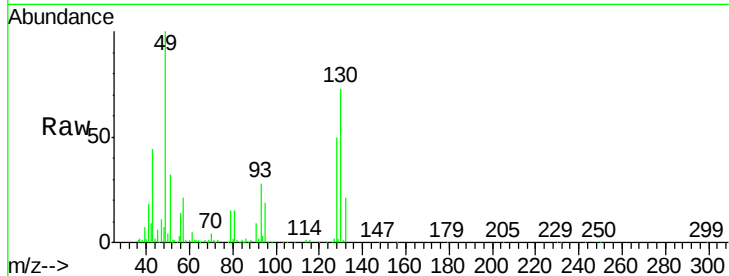
#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.02 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.6	8.0	12.0		
61	12.4	8.0	12.0		
70	7.7	5.6	8.4		

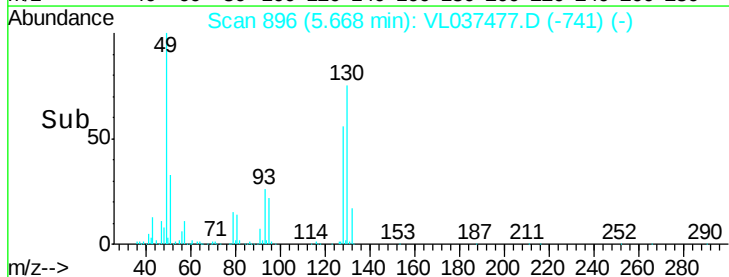
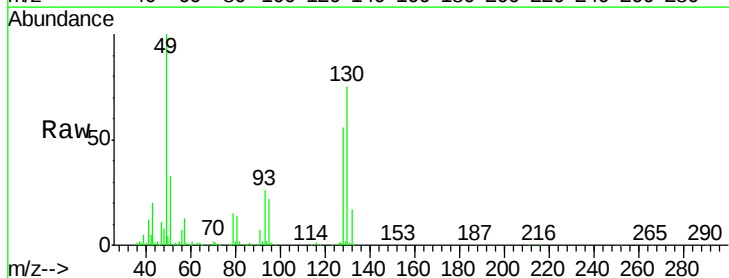
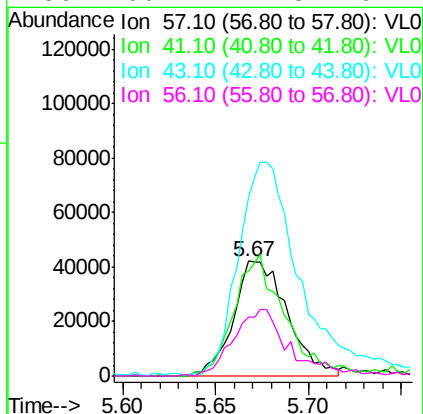
Manual Integrations
APPROVED

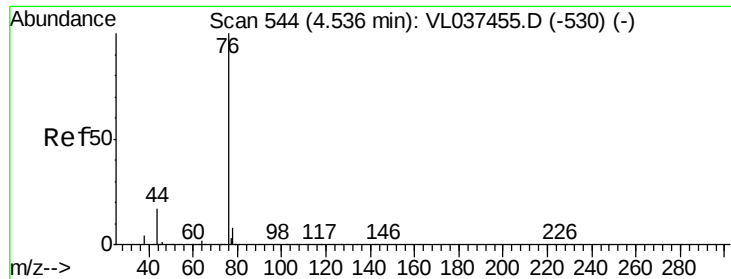
MMDadoda
8/19/2021 5:59:43 PM



#26
Hexane
Concen: 0.491 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	104.8	72.3	108.5		
43	218.2	172.3	258.5		
56	60.4	42.8	64.2		





#27

Carbon Disulfide

Concen: 0.401 ppbv m

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

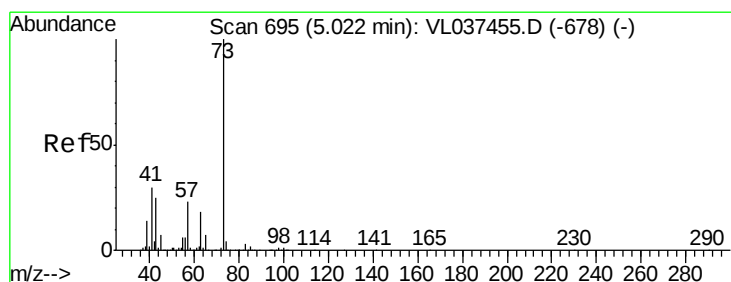
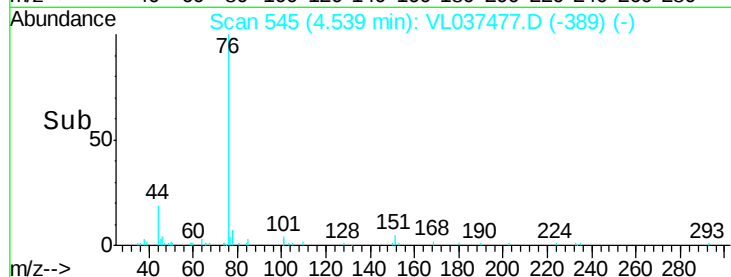
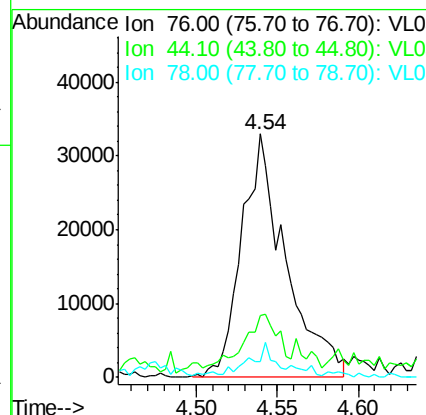
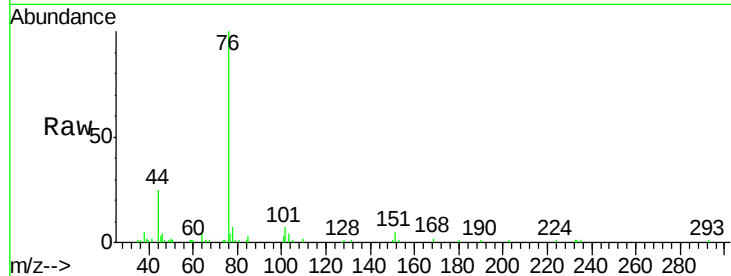
ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion:	76	Resp:	61889
Ion	Ratio	Lower	Upper
76	100		
44	22.2	13.9	20.9#
78	11.6	7.9	11.9

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8/19/2021 5:59:43 PM



#28

Methyl tert-Butyl Ether

Concen: 0.548 ppbv m

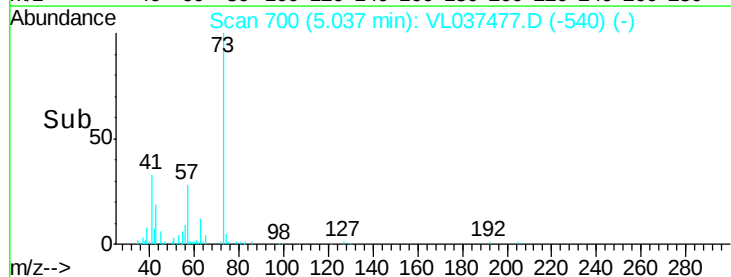
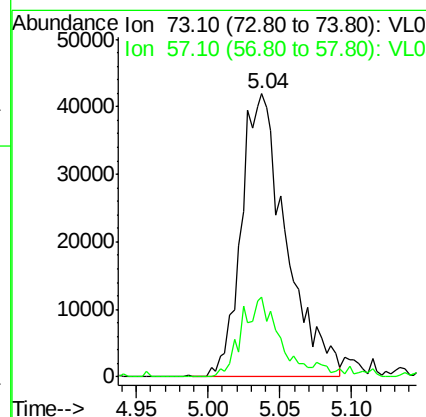
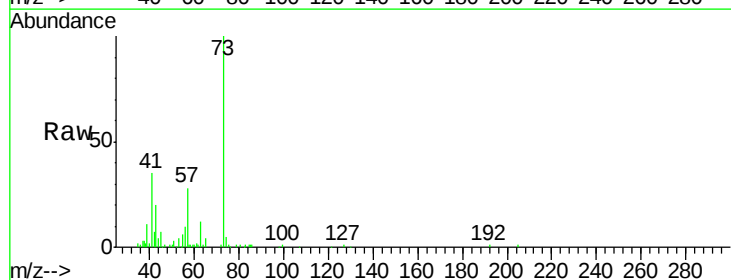
RT: 5.04 min Scan# 700

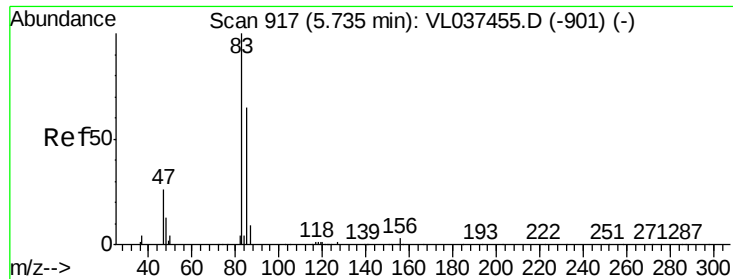
Delta R.T. 0.02 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion:	73	Resp:	90988
Ion	Ratio	Lower	Upper
73	100		
57	0.0	19.4	29.2#





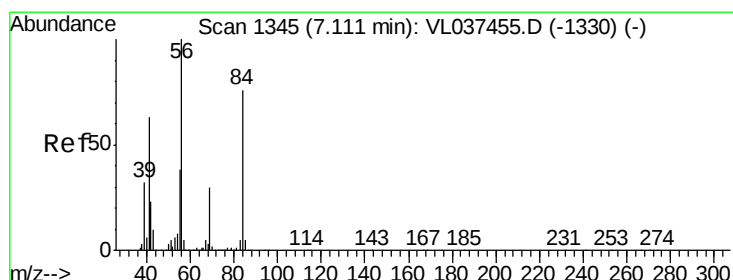
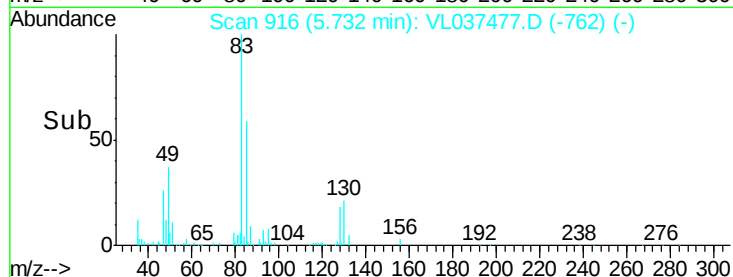
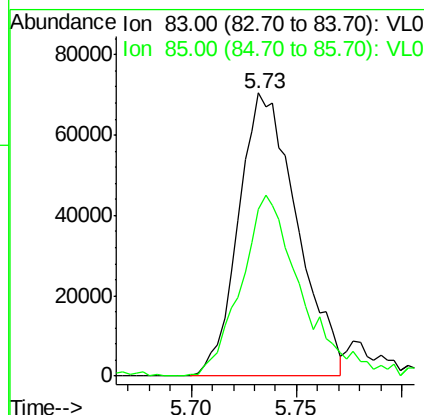
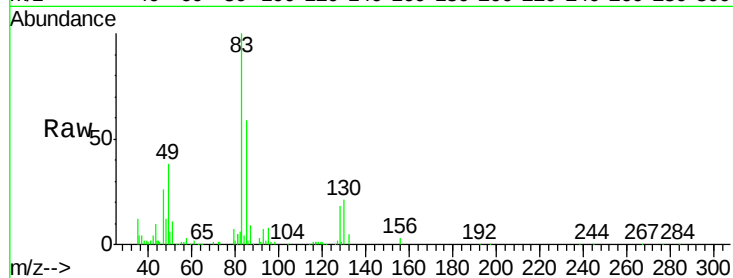
#29
Chloroform
Concen: 0.553 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion: 83 Resp: 135632
Ion Ratio Lower Upper
83 100
85 58.5 52.3 78.5

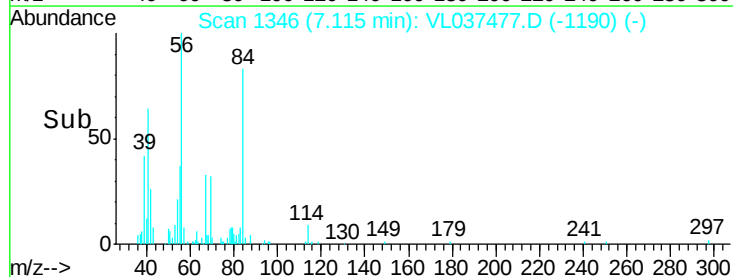
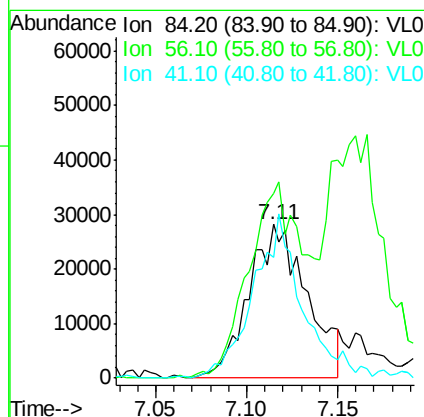
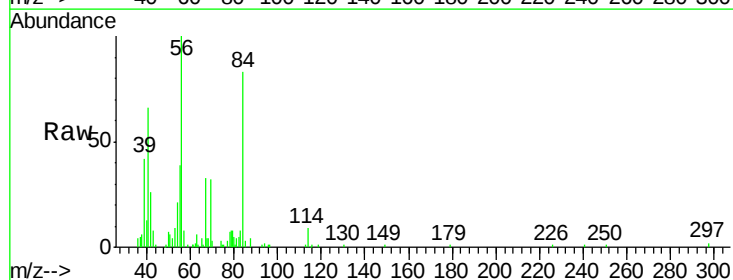
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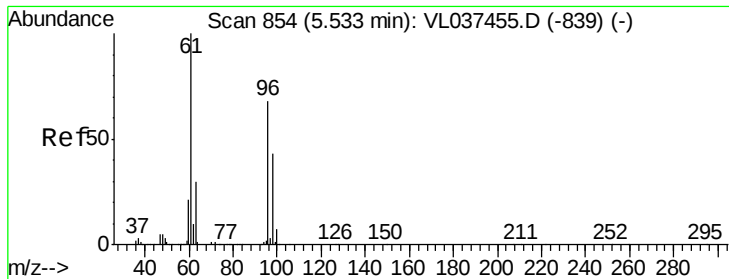
MMDadoda
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#30
Cyclohexane
Concen: 0.433 ppbv m
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion: 84 Resp: 62442
Ion Ratio Lower Upper
84 100
56 118.4 110.6 165.8
41 92.3 67.0 100.6





#31

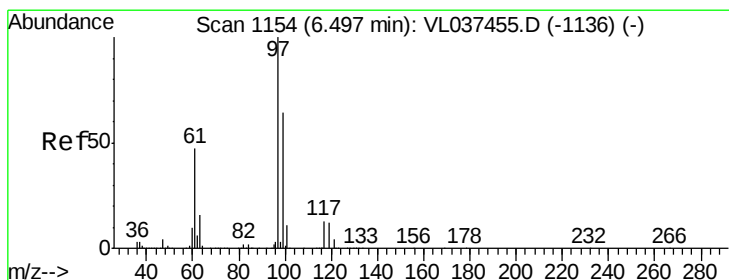
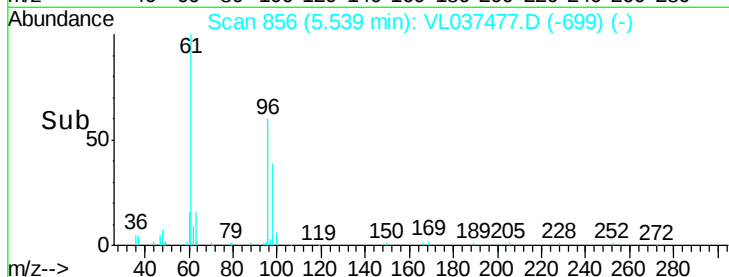
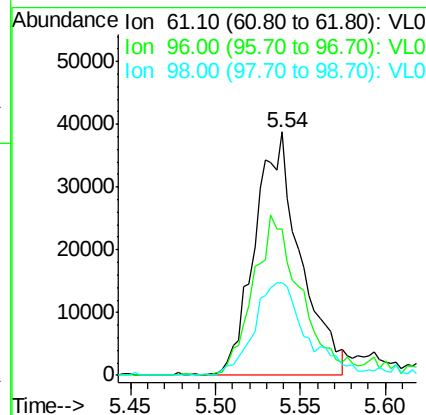
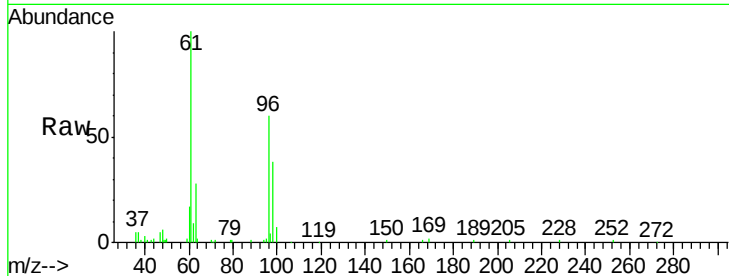
cis-1,2-Dichloroethene
Concen: 0.463 ppbv
RT: 5.54 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.9	54.8	82.2
98	37.9	34.2	51.2

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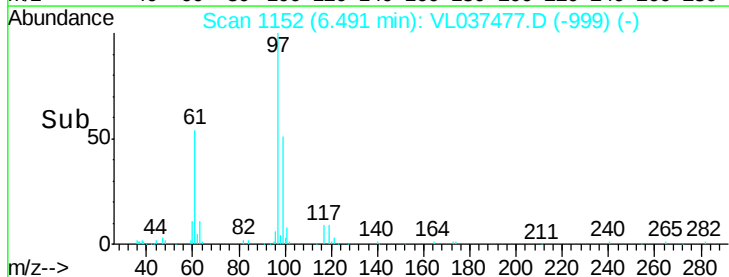
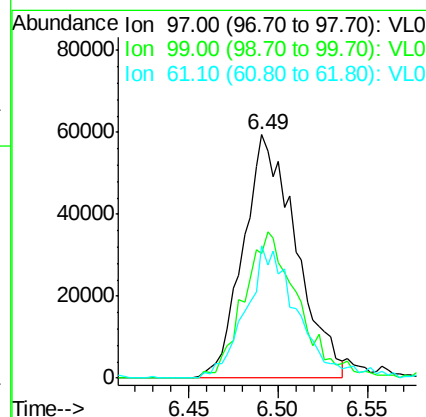
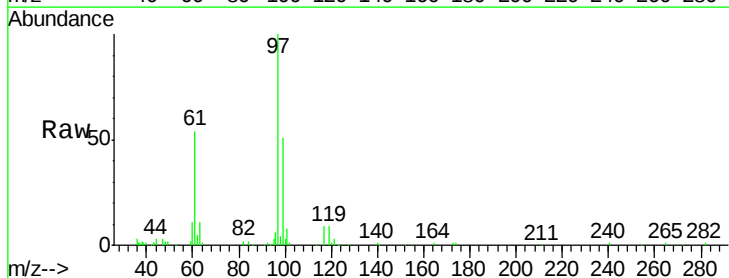
MMDadoda
8/19/2021 5:59:43 PM

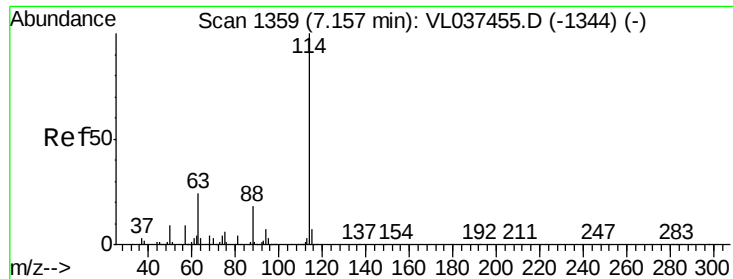


#32

1,1,1-Trichloroethane
Concen: 0.511 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	54.5	39.6	59.4





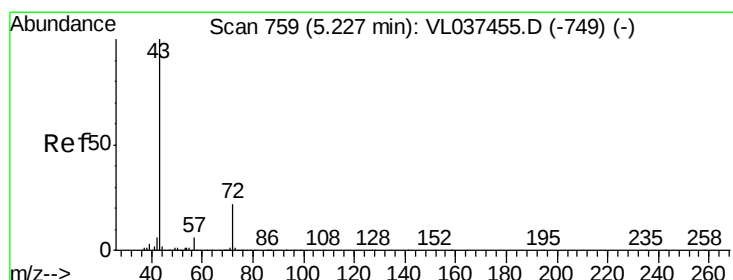
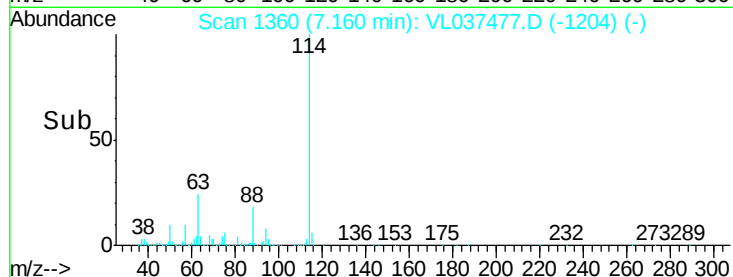
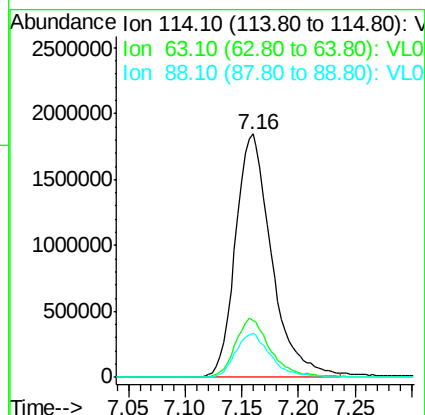
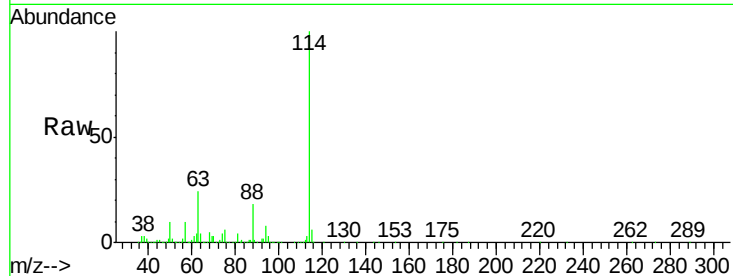
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.3	28.9
88	18.0	14.2	21.4

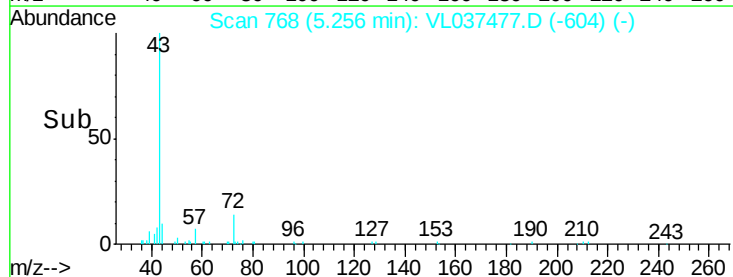
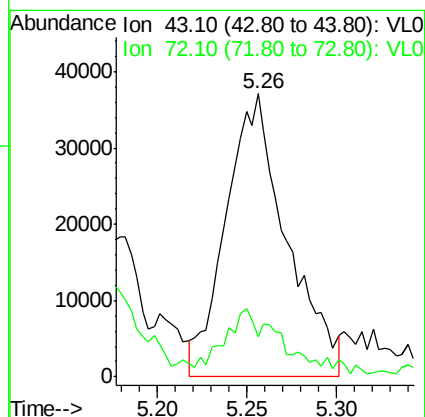
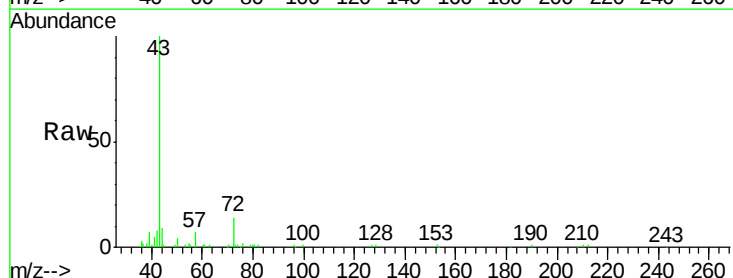
Manual Integrations
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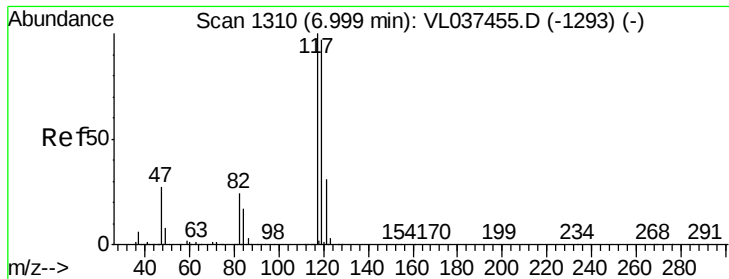
MMDadoda
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#34
 2-Butanone
 Concen: 0.520 ppbv m
 RT: 5.26 min Scan# 768
 Delta R.T. 0.03 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.2	17.4	26.0





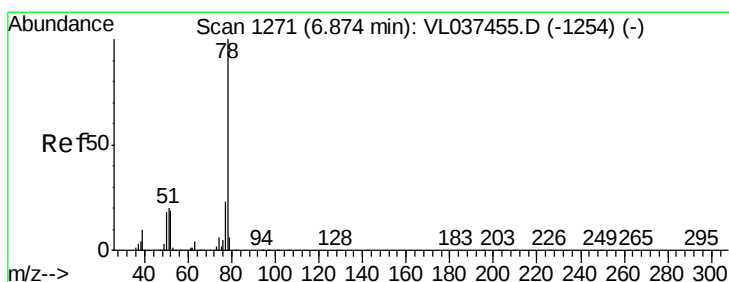
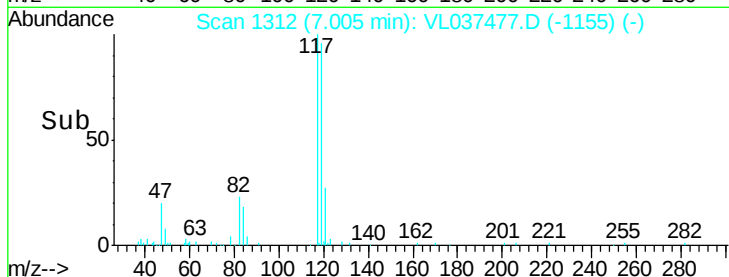
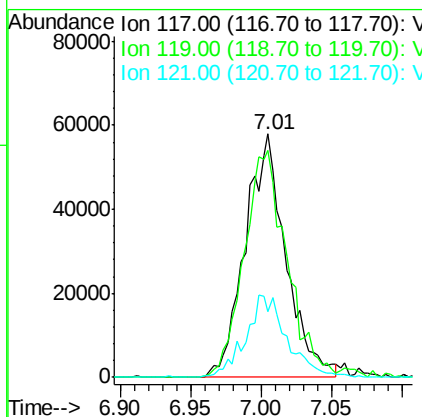
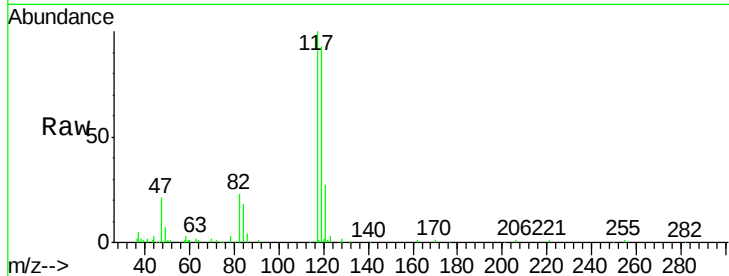
#35
Carbon Tetrachloride
Concen: 0.479 ppbv m
RT: 7.01 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.3	115.9
121	27.0	25.2	37.8

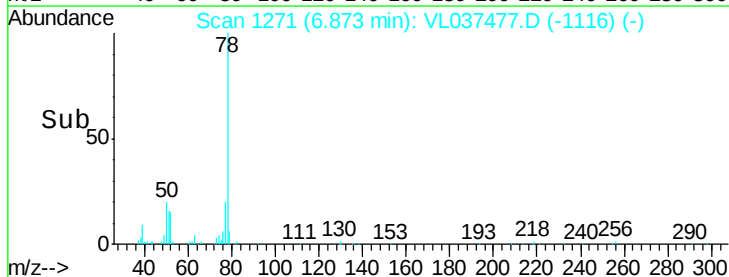
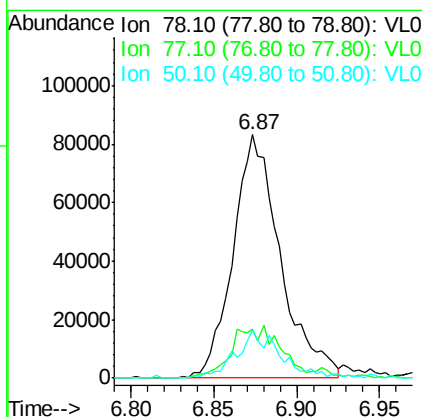
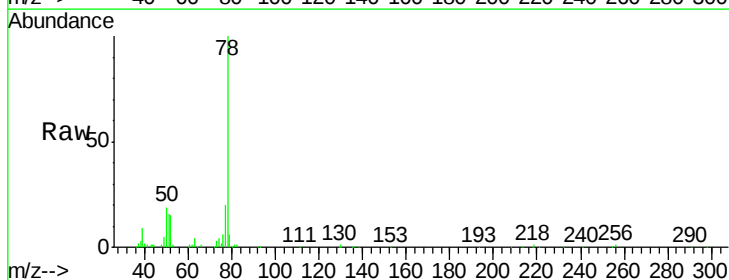
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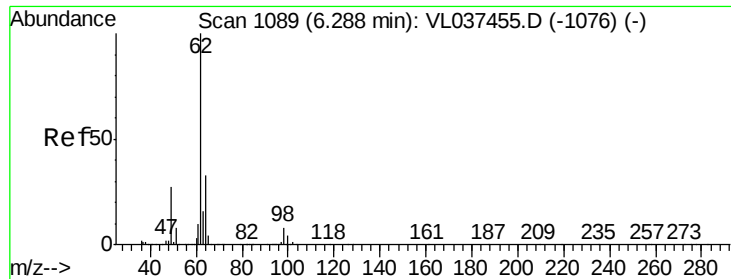
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#36
Benzene
Concen: 0.478 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.2	27.4
50	19.5	14.6	21.8





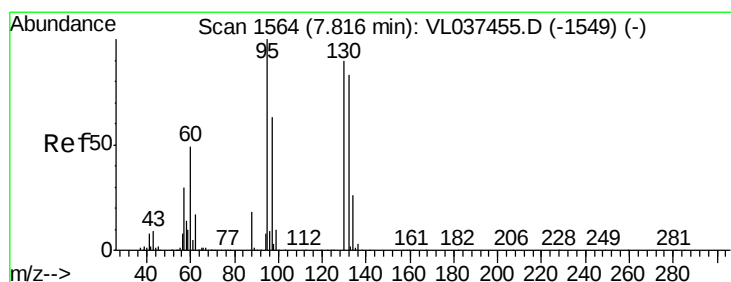
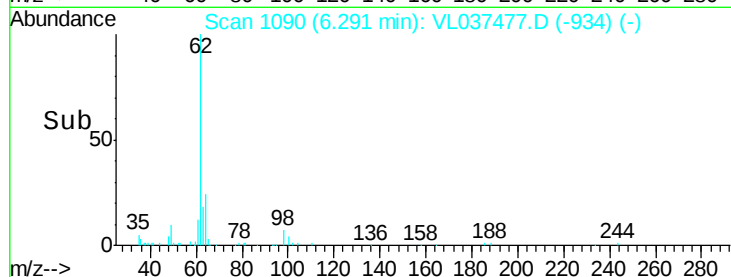
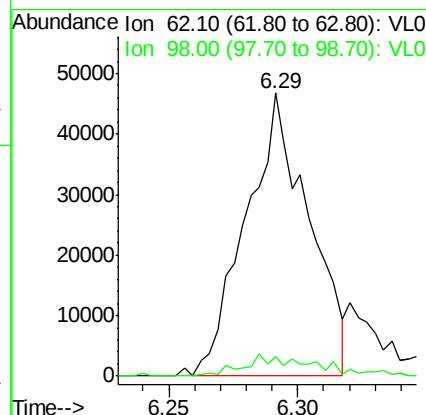
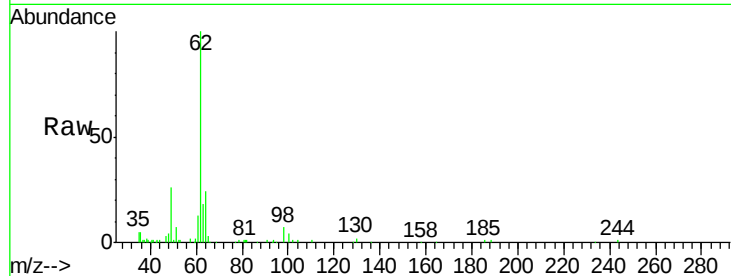
#37
 1,2-Dichloroethane
 Concen: 0.464 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
62	100	79509		
98	9.1	6.0	9.0#	

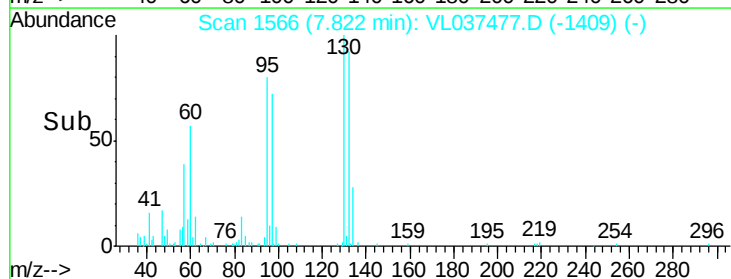
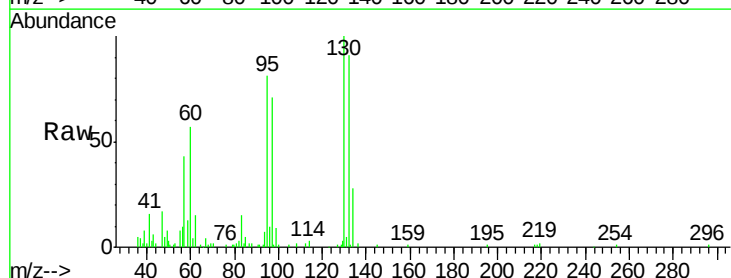
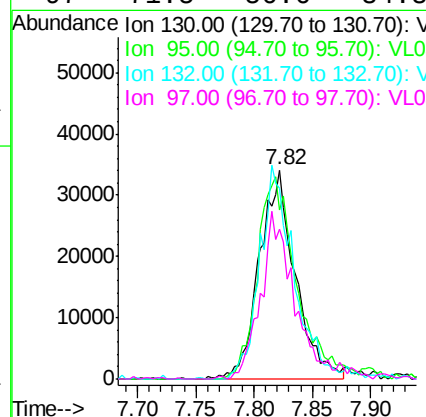
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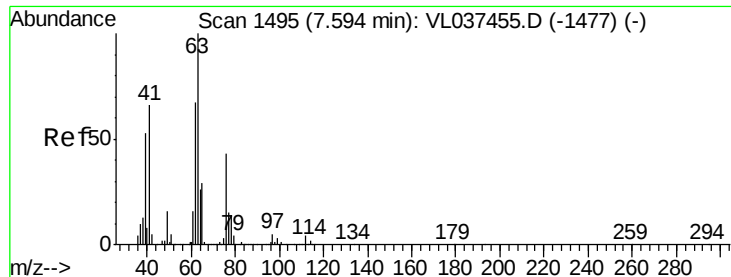
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#38
 Trichloroethene
 Concen: 0.514 ppbv m
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	72885		
95	81.2	89.2	133.8#	
132	91.3	74.0	111.0	
97	71.5	56.6	84.8	





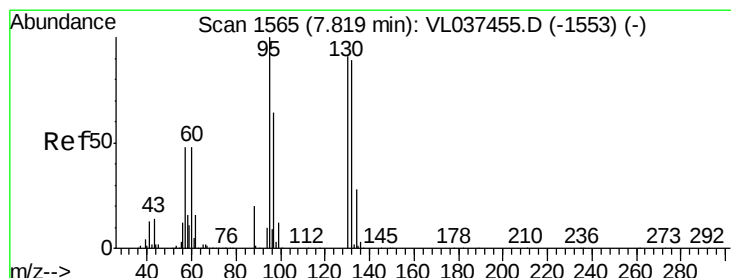
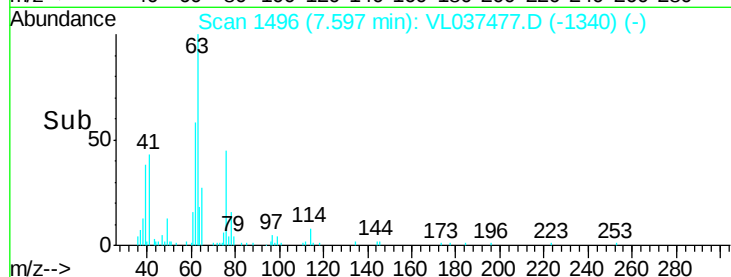
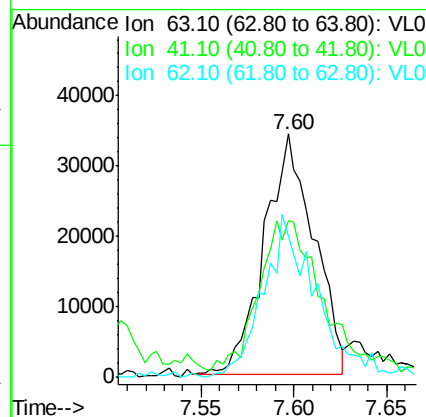
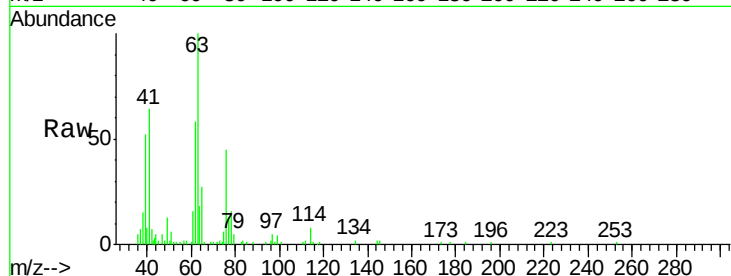
#39
 1,2-Dichloropropane
 Concen: 0.483 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion:	63	Resp:	64157
Ion	Ratio	Lower	Upper
63	100		
41	57.9	52.4	78.6
62	57.0	53.6	80.4

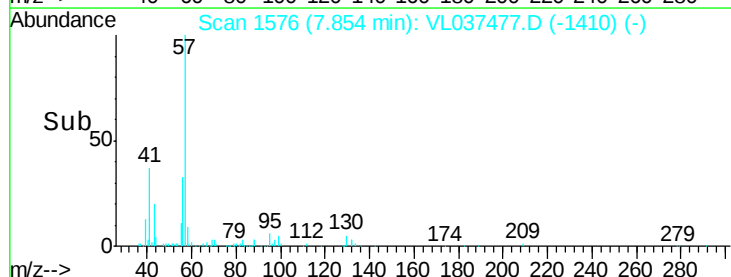
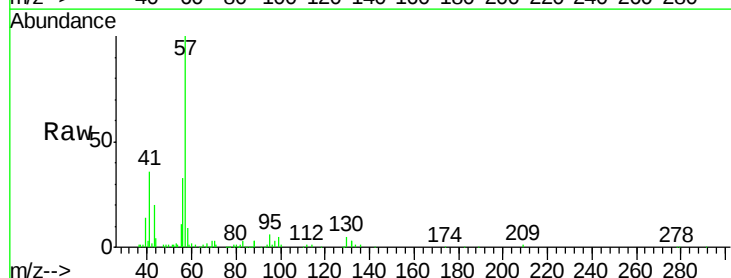
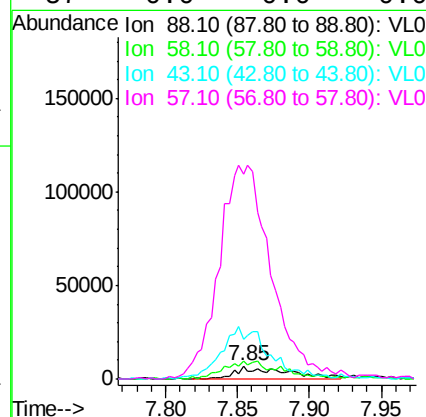
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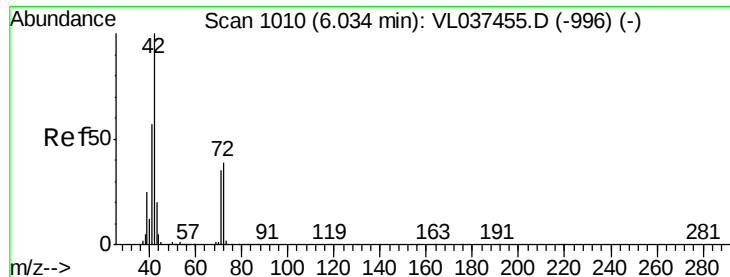
MMDadoda
 8/19/2021 5:59:43 PM



#40
 1,4-Dioxane
 Concen: 0.510 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.04 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion:	88	Resp:	16595
Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





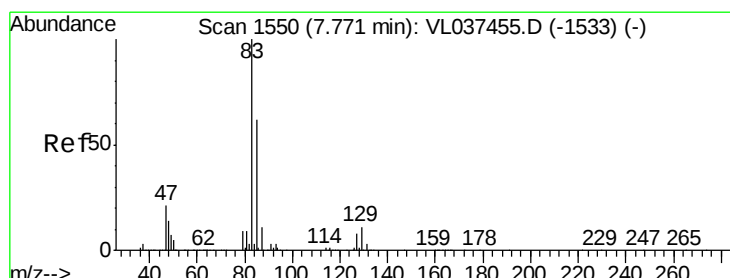
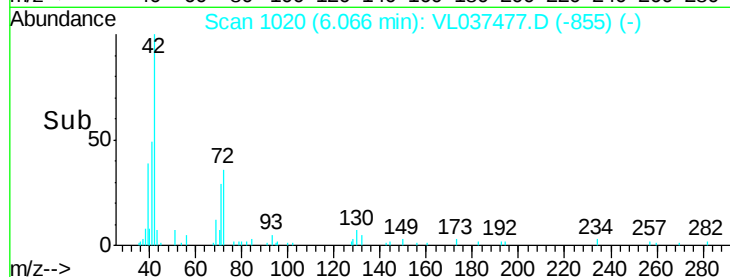
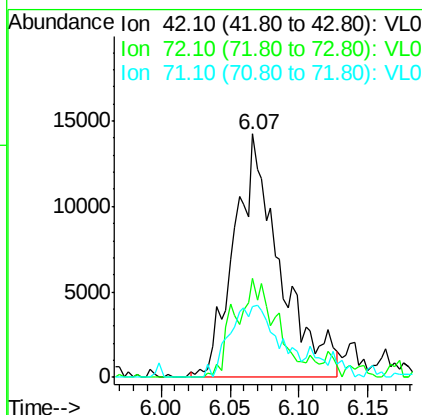
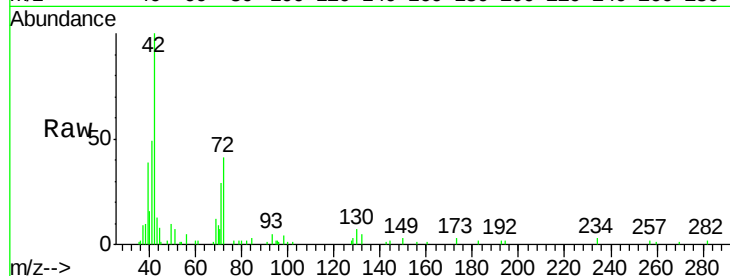
#41
Tetrahydrofuran
Concen: 0.404 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.03 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.2	48.4#
71	0.0	30.5	45.7#

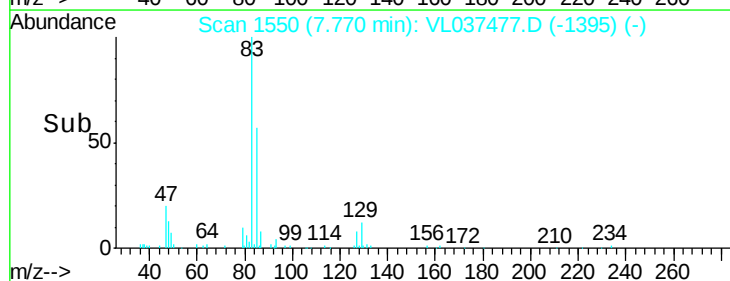
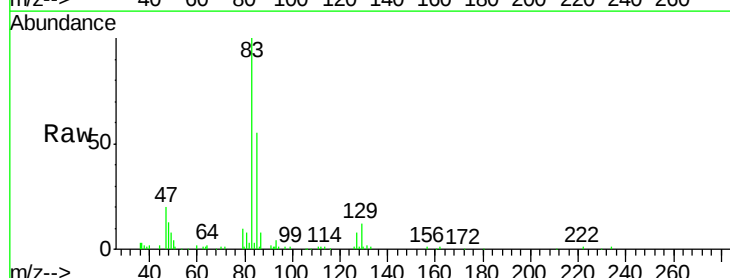
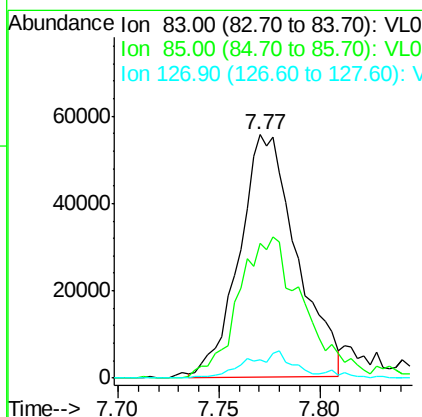
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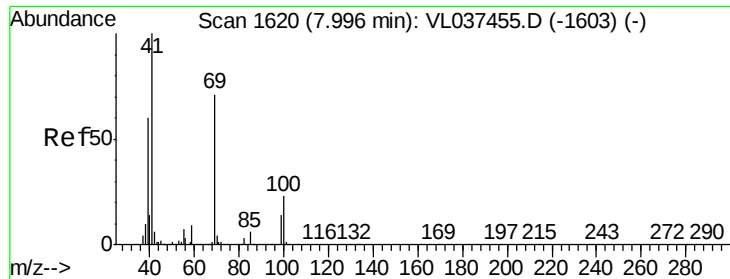
MMDadoda
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#42
Bromodichloromethane
Concen: 0.443 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.7	49.5	74.3
127	7.7	6.3	9.5





#43

Methyl Methacrylate

Concen: 0.411 ppbv m

RT: 8.01 min Scan# 1626

Delta R.T. 0.02 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

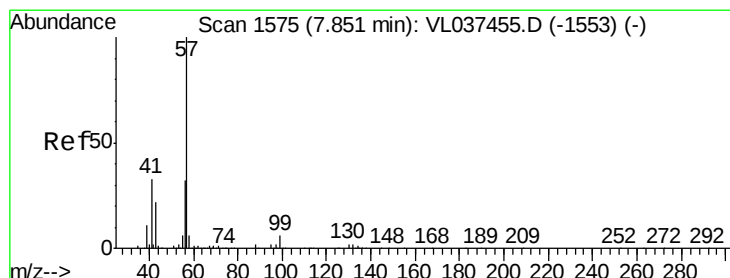
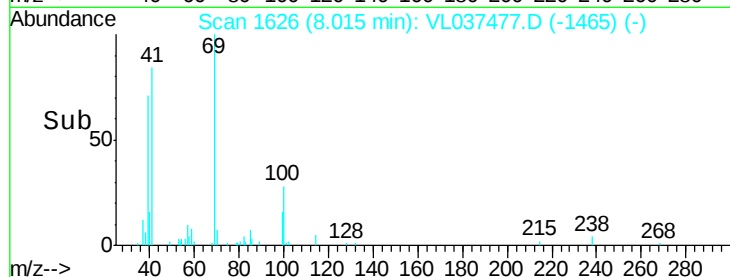
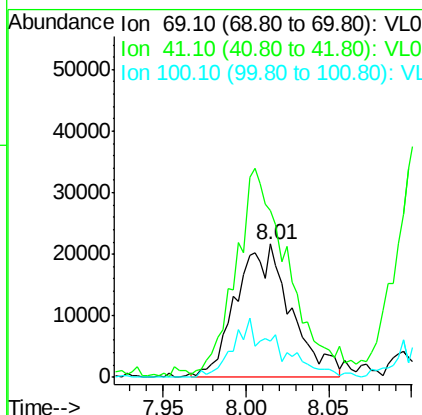
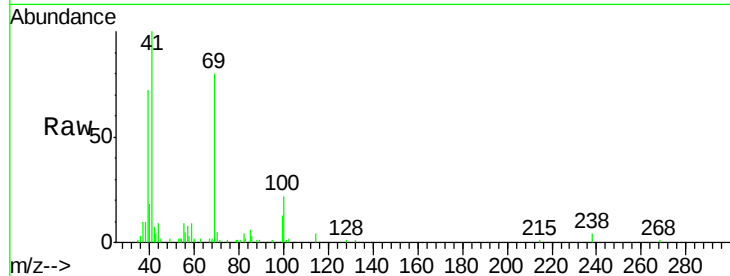
Instrument :
MSVOA_L

ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	153.7	118.6	178.0	
100	37.4	27.4	41.0	

Manual Integrations
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8/19/2021 5:59:43 PM



#44

2,2,4-Trimethylpentane

Concen: 0.491 ppbv m

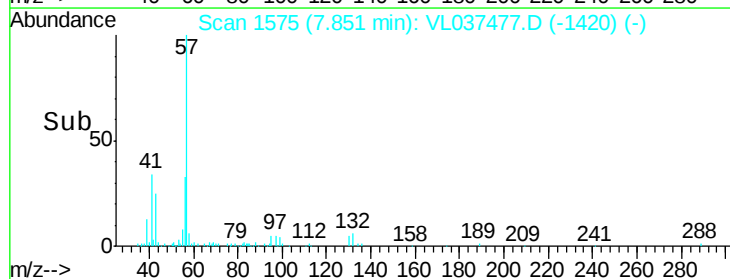
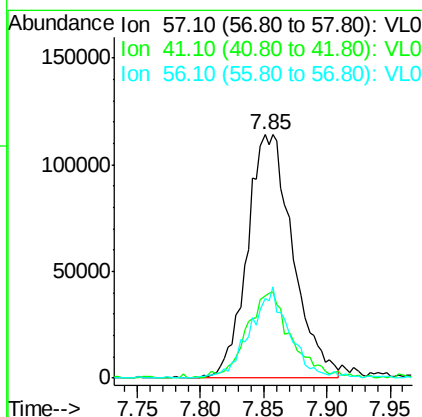
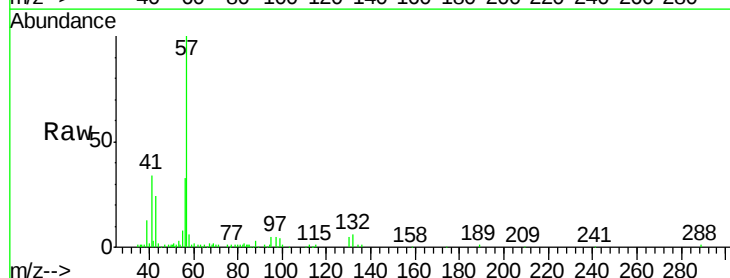
RT: 7.85 min Scan# 1575

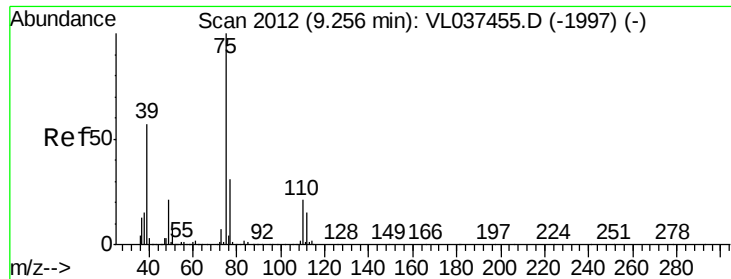
Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.0	26.2	39.4	
56	32.7	25.4	38.2	





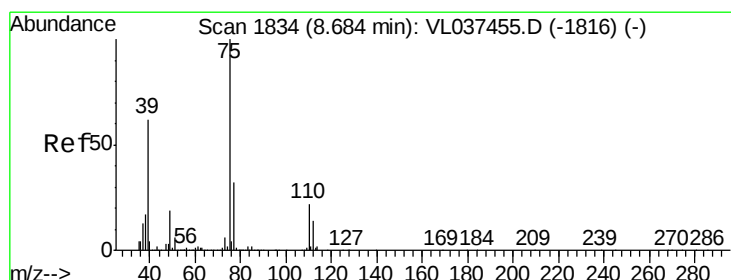
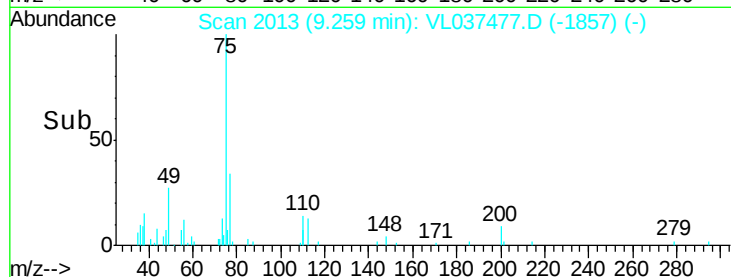
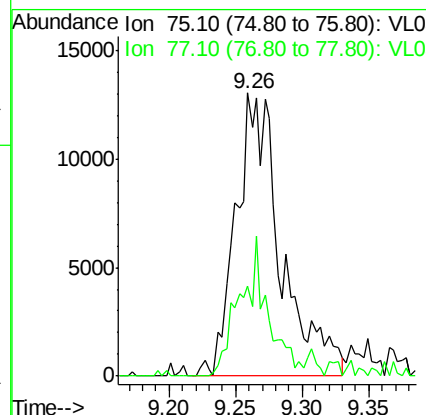
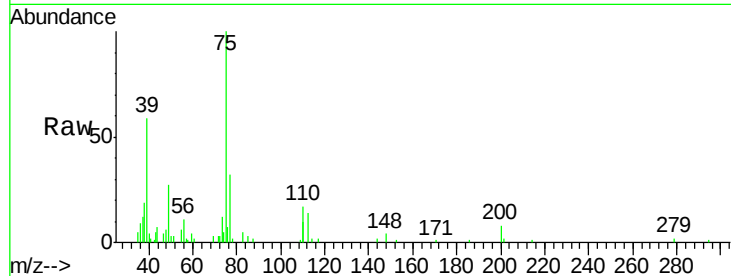
#45
t-1,3-Dichloropropene
Concen: 0.339 ppbv m
RT: 9.26 min Scan# 2013
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7

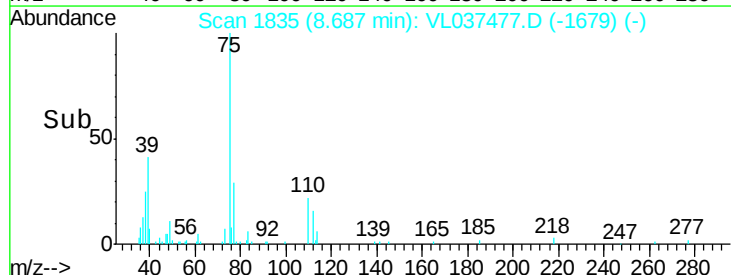
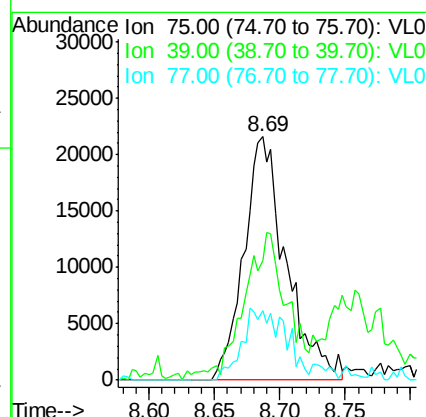
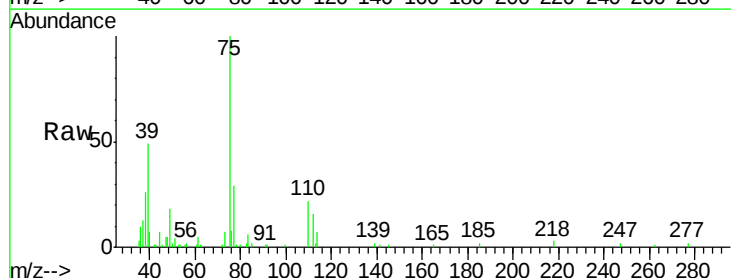
Manual Integrations
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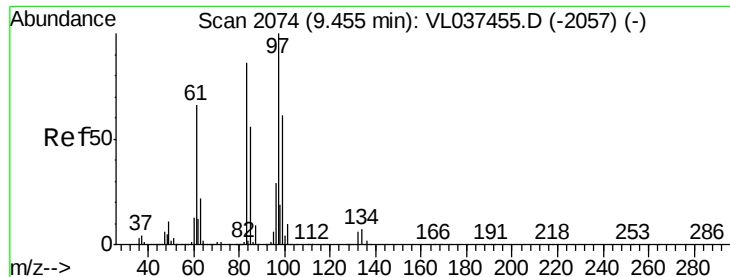
MMDadoda
8/19/2021 5:59:43 PM



#46
cis-1,3-Dichloropropene
Concen: 0.382 ppbv m
RT: 8.69 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
75	100		
39	49.3	49.7	74.5#
77	28.8	25.4	38.0





#47

1,1,2-Trichloroethane

Concen: 0.545 ppbv m

RT: 9.46 min Scan# 2076

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 97 Resp: 78226

Ion Ratio Lower Upper

97 100

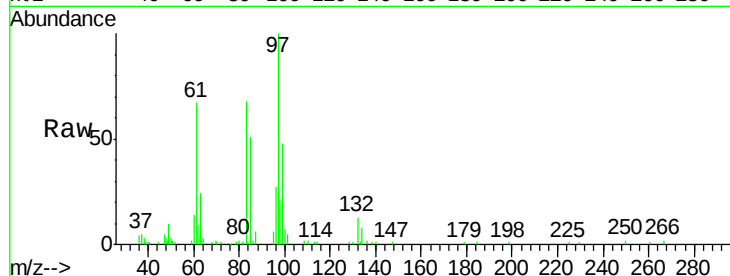
83 68.0 68.7 103.1#

85 50.8 44.7 67.1

99 48.4 48.6 72.8#

Manual Integrations
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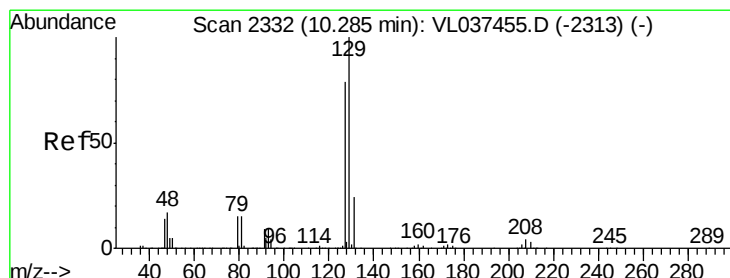
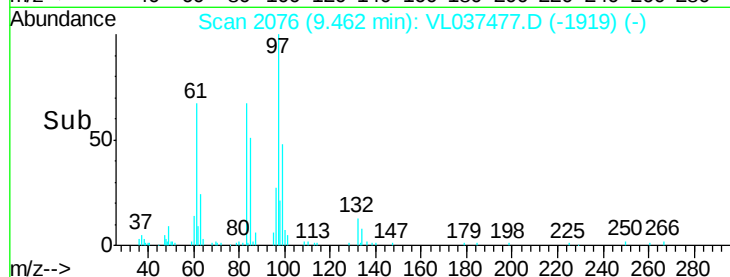
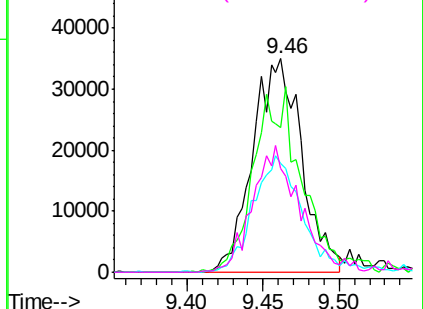


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.432 ppbv m

RT: 10.29 min Scan# 2334

Delta R.T. 0.01 min

Lab File: VL037477.D

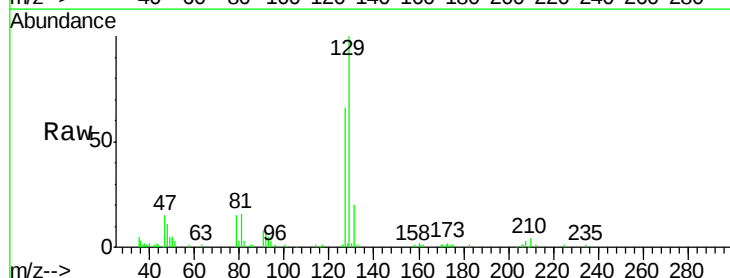
Acq: 17 Aug 2021 1:14

Tgt Ion: 129 Resp: 89371

Ion Ratio Lower Upper

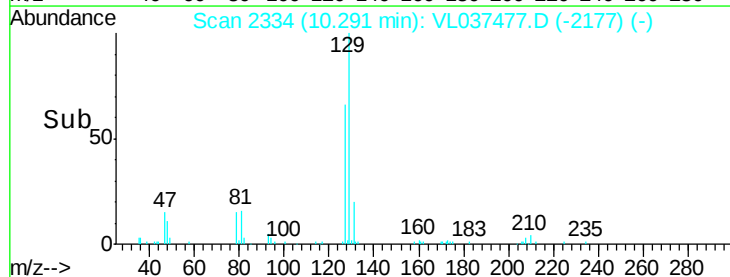
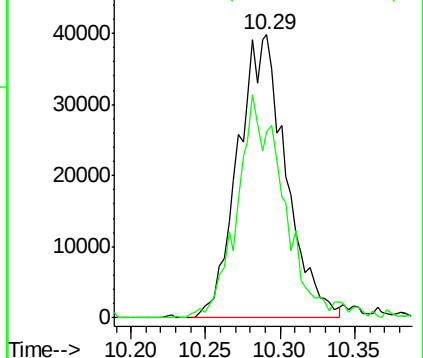
129 100

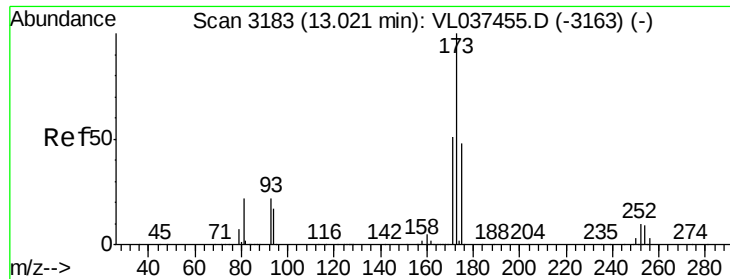
127 0.0 40.0 120.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.379 ppbv m

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

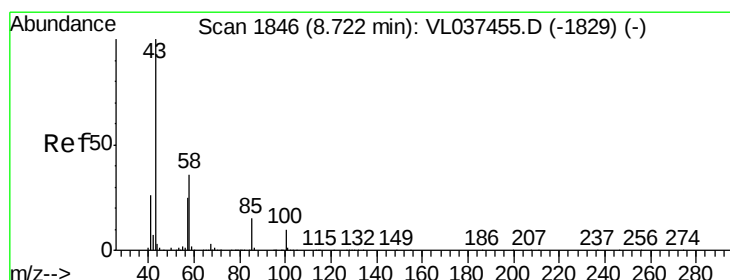
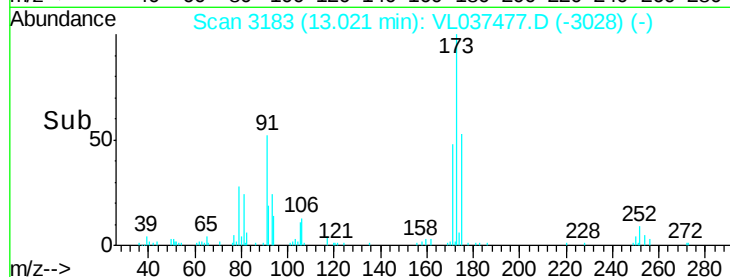
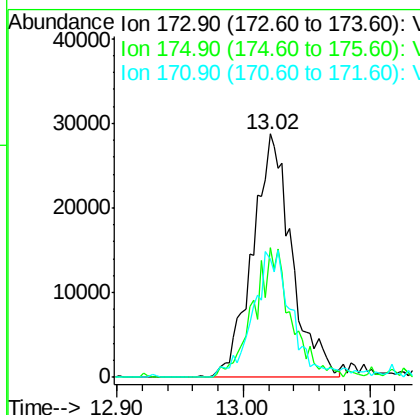
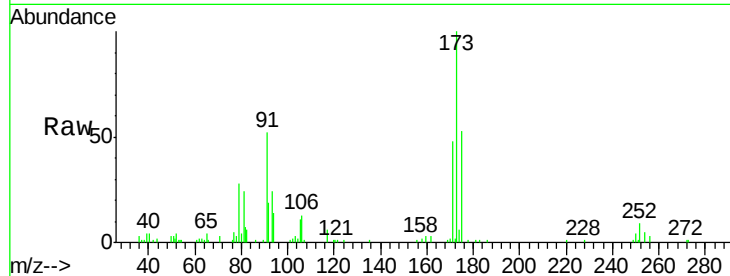
ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion:	173	Resp:	61743
Ion Ratio	Lower	Upper	
173	100		
175	52.0	41.9	62.9
171	52.0	44.2	66.4

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#50

4-Methyl-2-Pentanone

Concen: 0.415 ppbv m

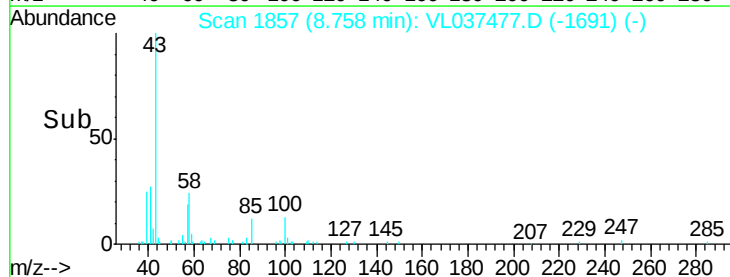
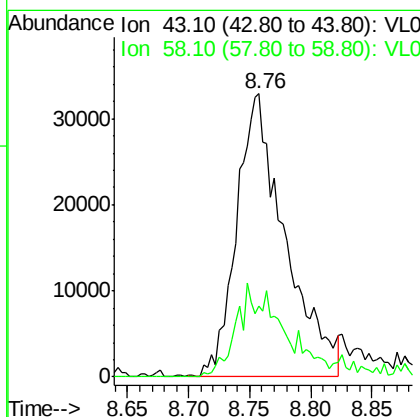
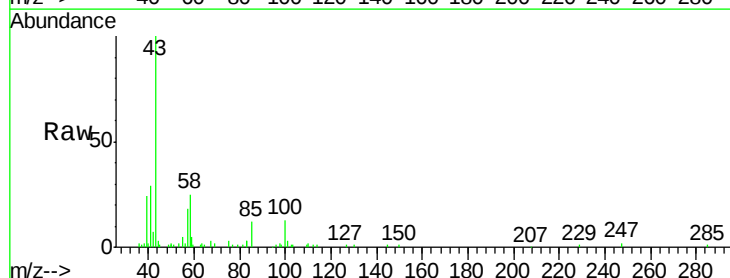
RT: 8.76 min Scan# 1857

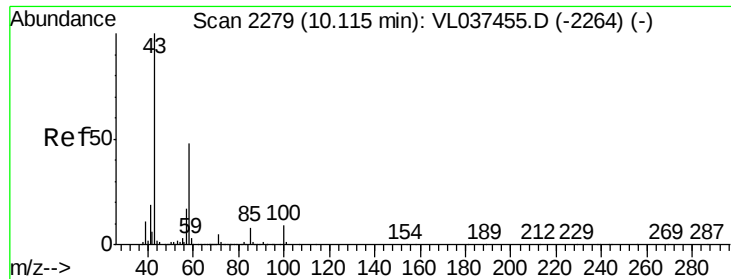
Delta R.T. 0.04 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion:	43	Resp:	90868
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.9	44.9#





#51

2-Hexanone

Concen: 0.355 ppbv m

RT: 10.16 min Scan# 2292

Delta R.T. 0.04 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

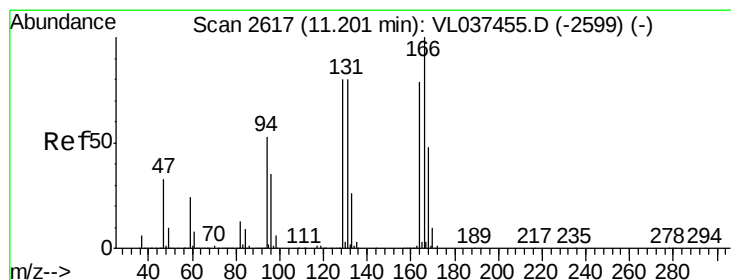
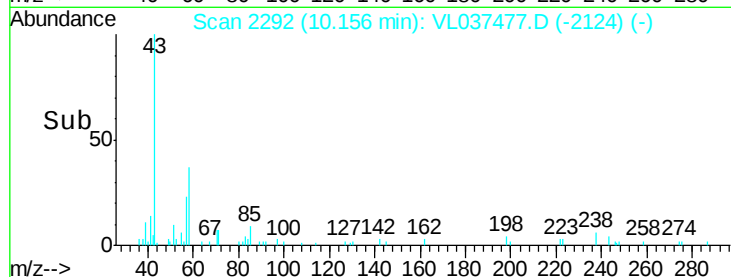
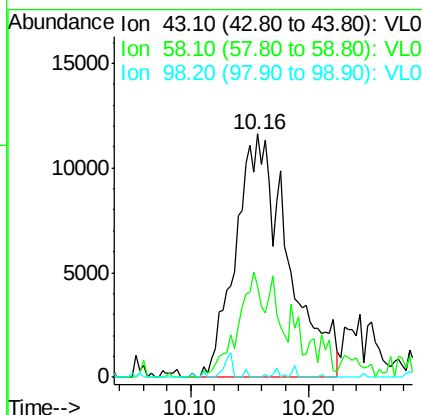
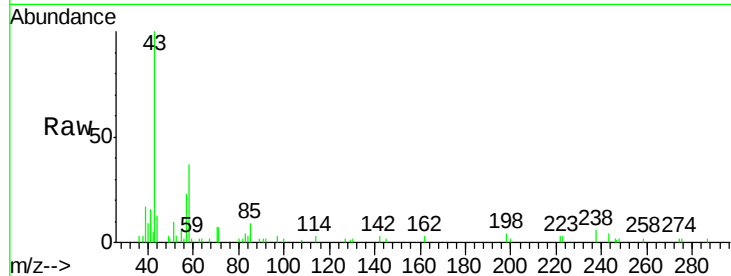
ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion:	43	Resp:	35819
Ion Ratio		Lower	Upper
43	100		
58	0.0	41.0	61.6#
98	1.8	0.3	0.5#

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#52

Tetrachloroethene

Concen: 0.469 ppbv m

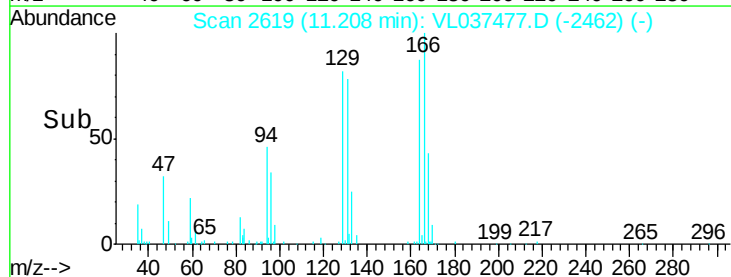
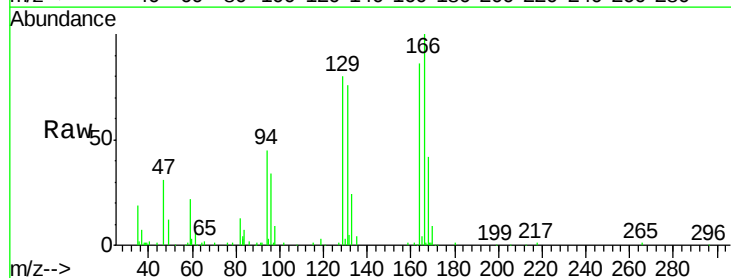
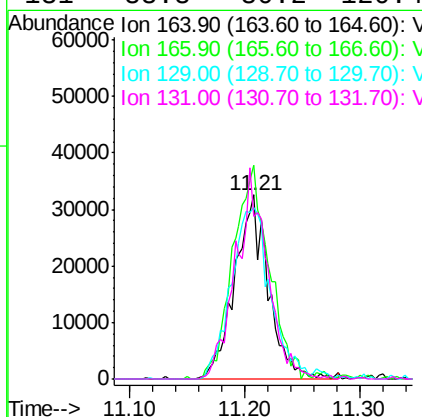
RT: 11.21 min Scan# 2619

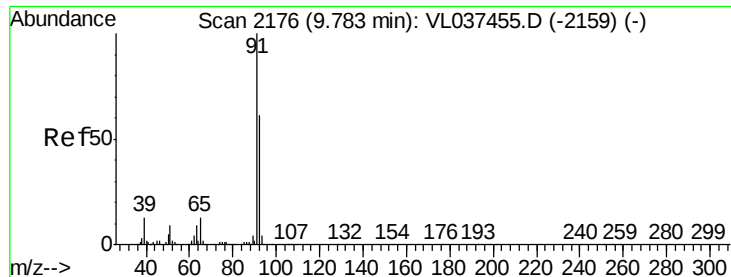
Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion:	164	Resp:	66419
Ion Ratio		Lower	Upper
164	100		
166	116.2	100.7	151.1
129	93.5	80.9	121.3
131	88.8	80.2	120.4





#53

Toluene

Concen: 0.442 ppbv m

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 91 Resp: 174518

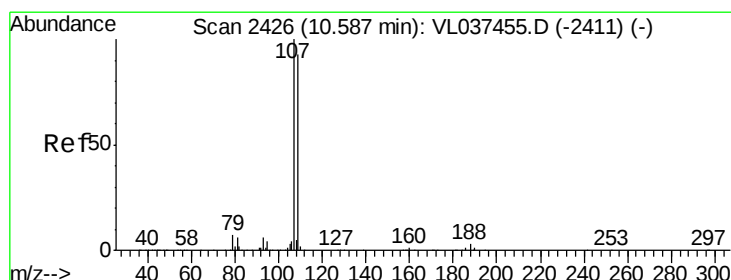
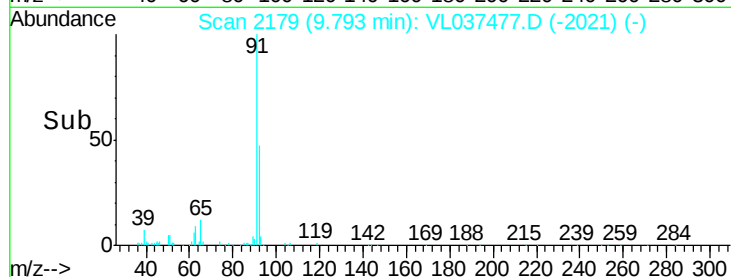
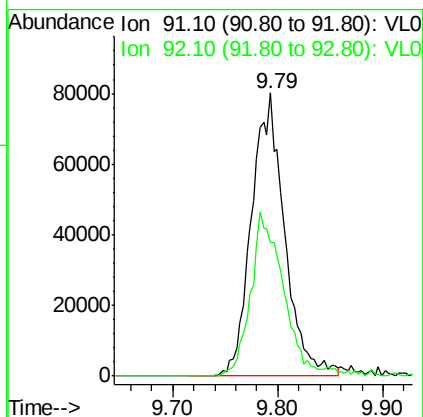
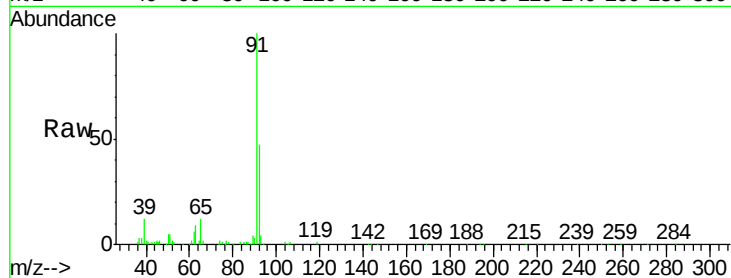
Ion Ratio Lower Upper

91 100

92 58.7 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 0.483 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL037477.D

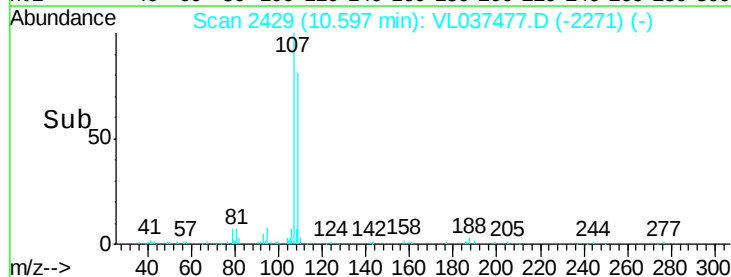
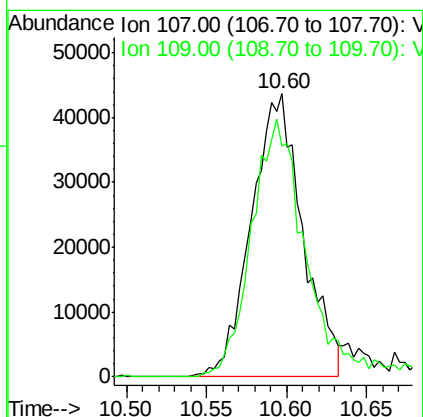
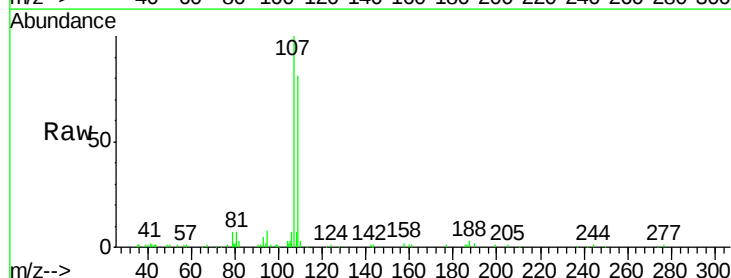
Acq: 17 Aug 2021 1:14

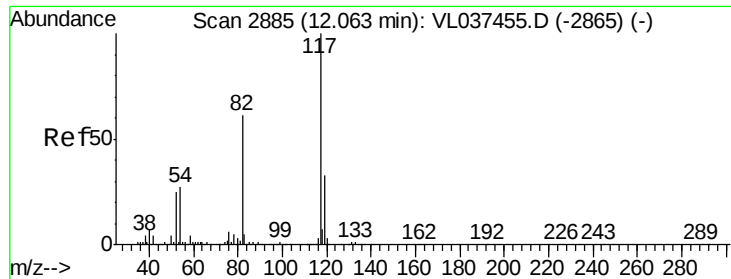
Tgt Ion: 107 Resp: 96888

Ion Ratio Lower Upper

107 100

109 81.4 74.2 111.4





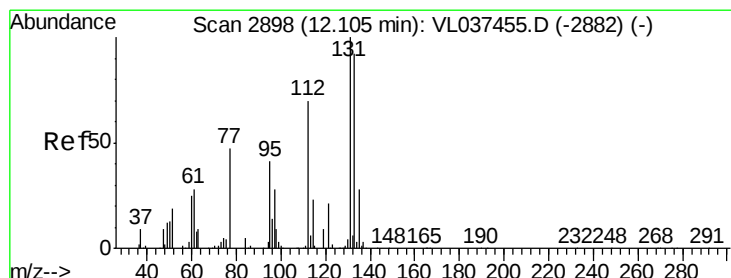
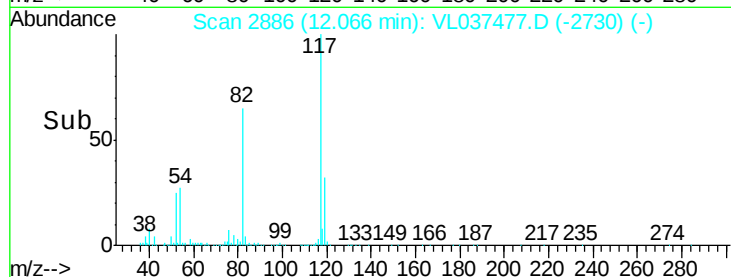
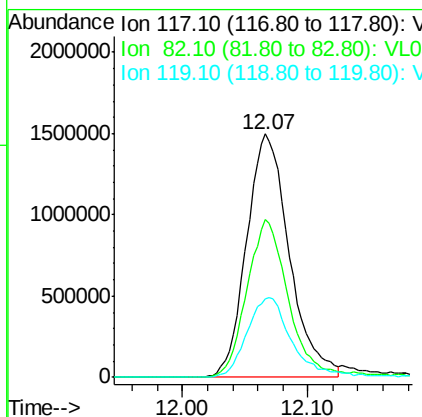
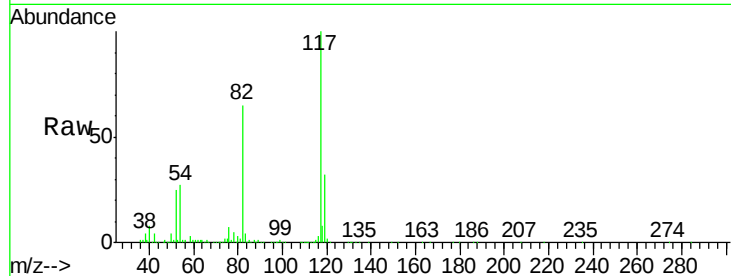
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.2	52.9	79.3
119	35.4	24.8	37.2

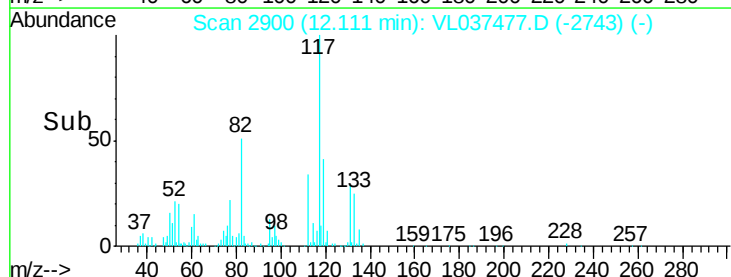
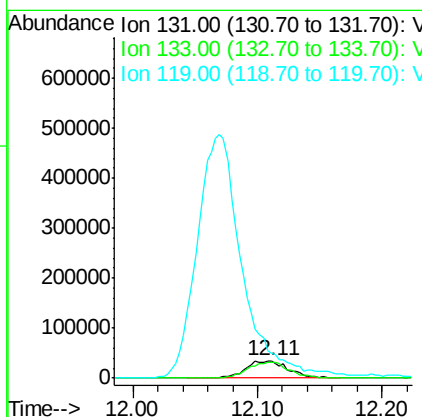
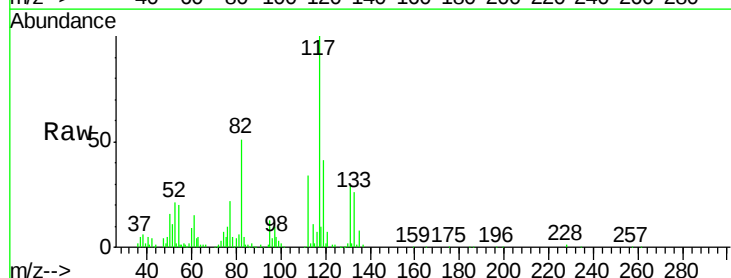
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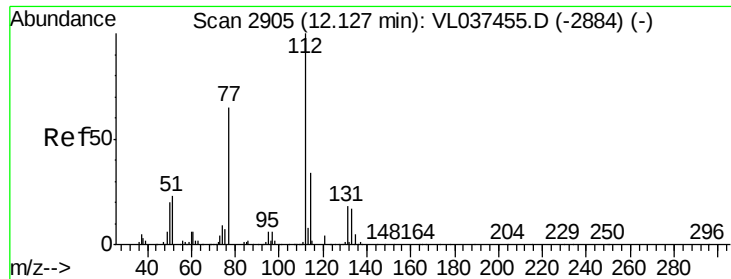
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.561 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.0	78.7	118.1
119	0.0	56.6	85.0#





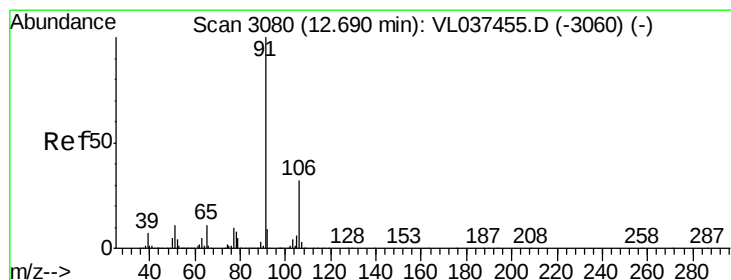
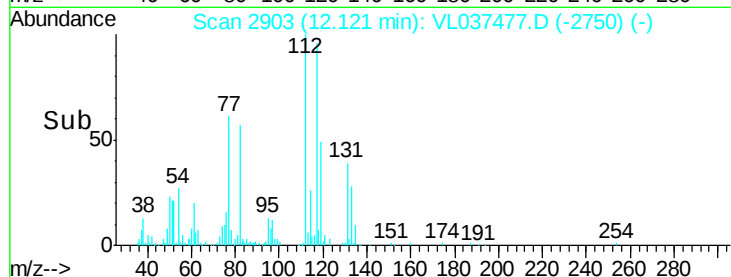
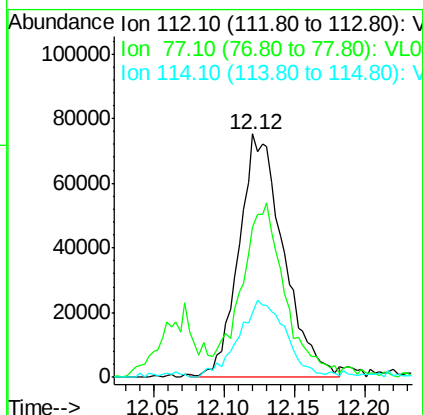
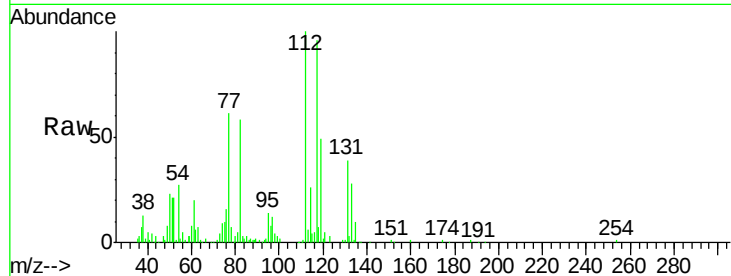
#57
Chlorobenzene
Concen: 0.560 ppbv m
RT: 12.12 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
112	100		
77	61.5	51.6	77.4
114	26.3	30.7	37.5#

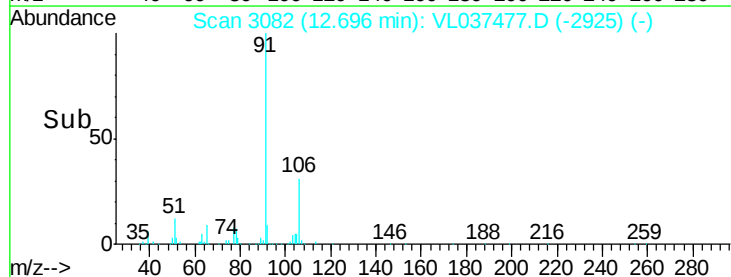
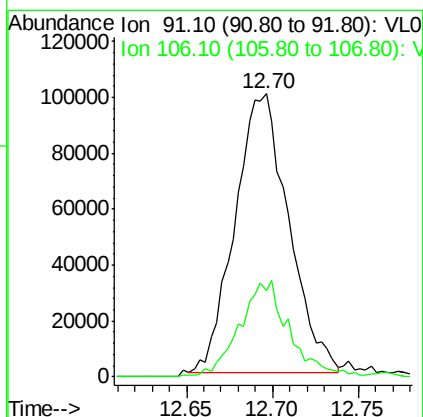
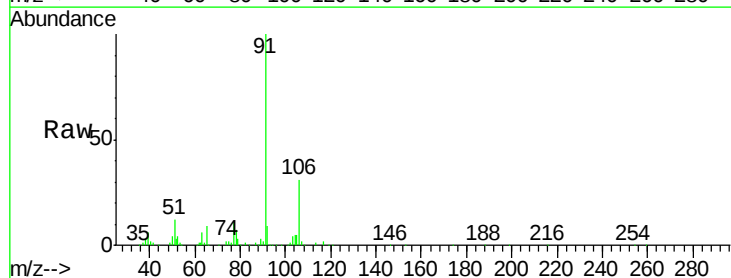
Manual Integrations
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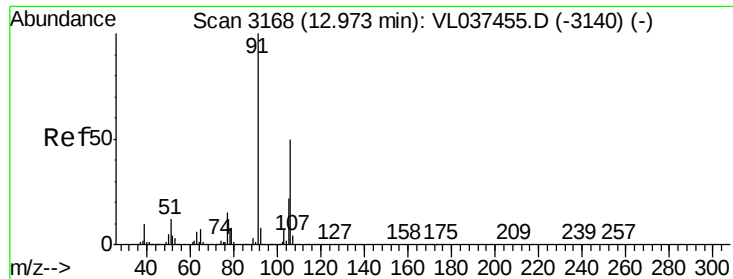
MMDadoda
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#58
Ethyl Benzene
Concen: 0.441 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.7	38.5





#59

m/p-Xylene

Concen: 0.973 ppbv m

RT: 12.98 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 91 Resp: 415157

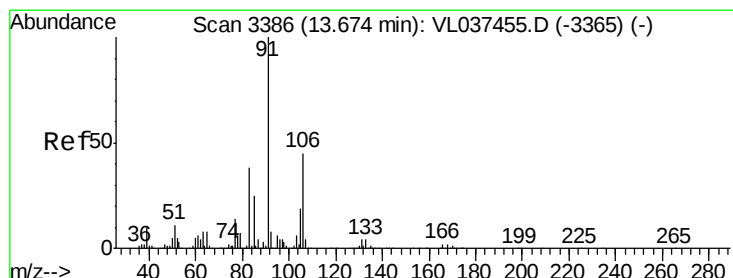
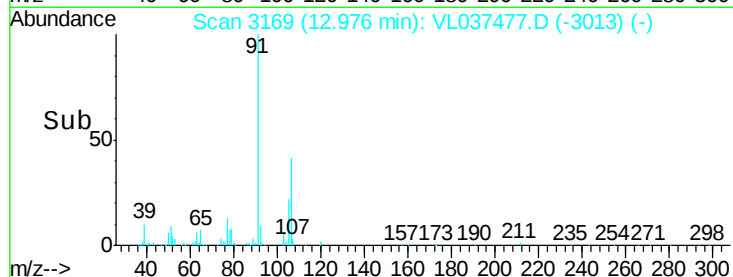
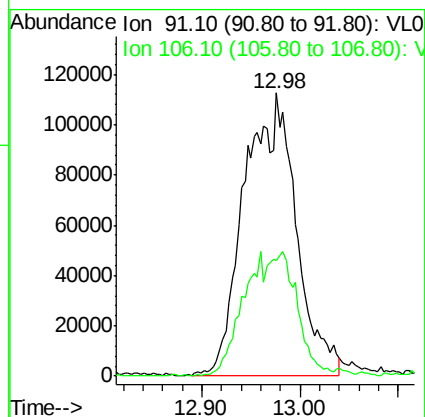
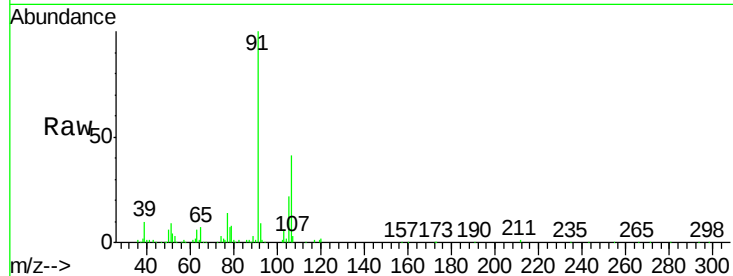
Ion Ratio Lower Upper

91 100

106 0.0 36.9 55.3#

Manual Integrations
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#60

o-Xylene

Concen: 0.510 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VL037477.D

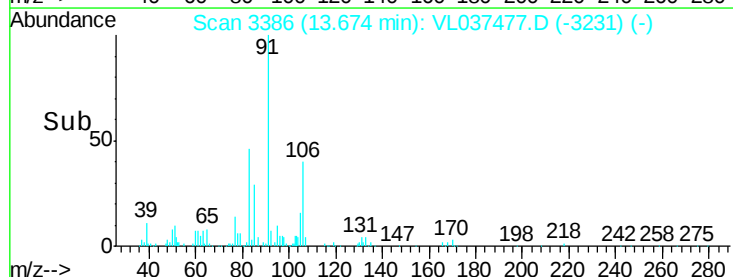
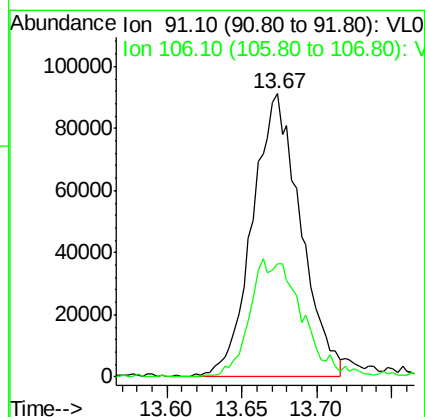
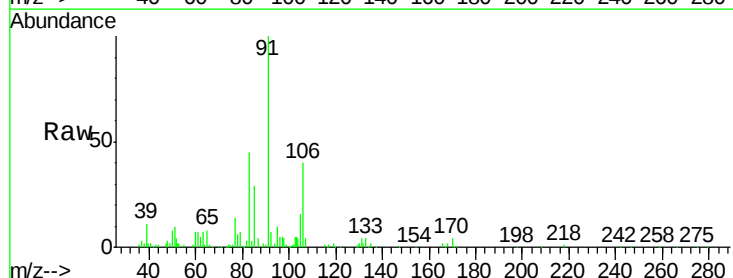
Acq: 17 Aug 2021 1:14

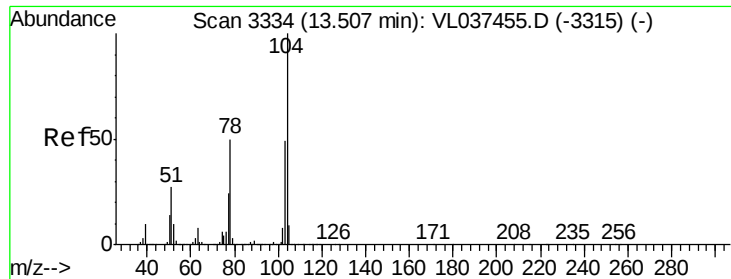
Tgt Ion: 91 Resp: 203188

Ion Ratio Lower Upper

91 100

106 45.6 23.7 71.1





#61

Stvrene

Concen: 0.381 ppbv m

RT: 13.51 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

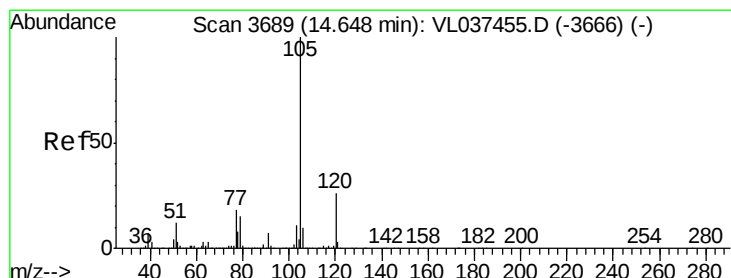
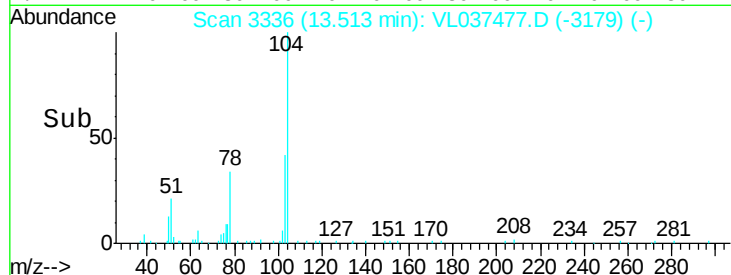
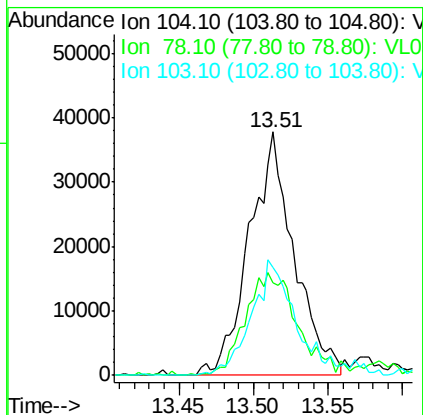
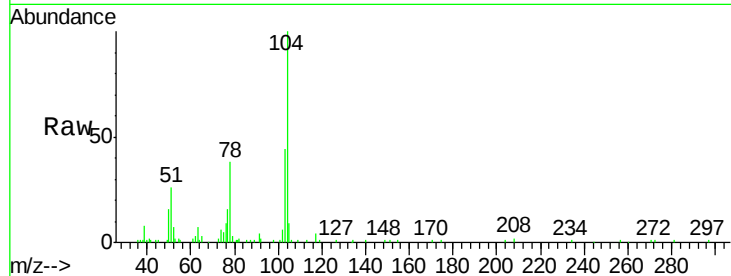
ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion:	104	Resp:	78738
Ion Ratio	Lower	Upper	
104	100		
78	53.7	41.3	61.9
103	48.6	39.4	59.0

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#62

Isopropylbenzene

Concen: 0.532 ppbv

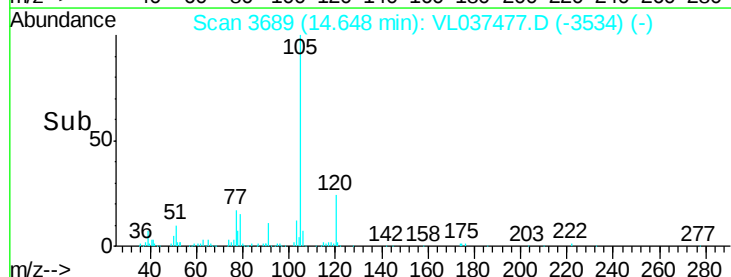
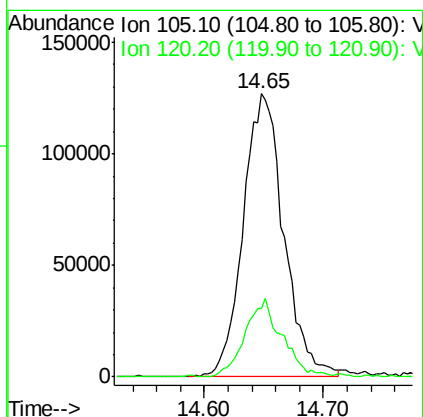
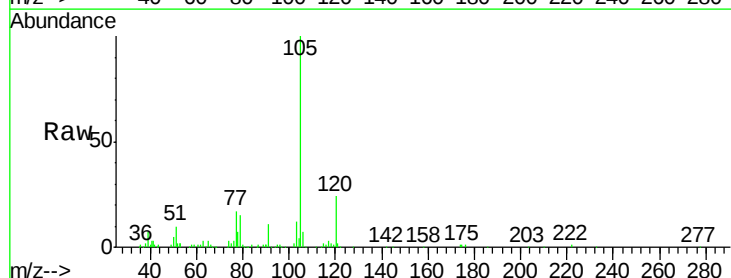
RT: 14.65 min Scan# 3689

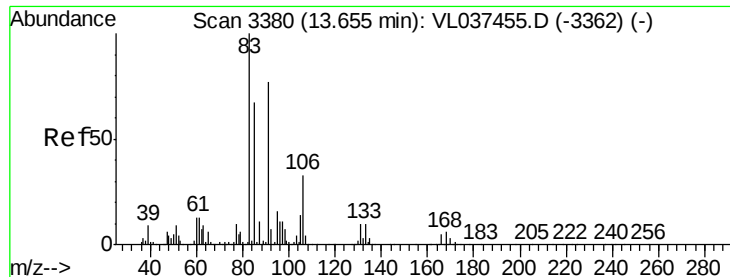
Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion:	105	Resp:	299234
Ion Ratio	Lower	Upper	
105	100		
120	25.7	21.5	32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.548 ppbv m

RT: 13.66 min Scan# 3383

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 83 Resp: 162306

Ion Ratio Lower Upper

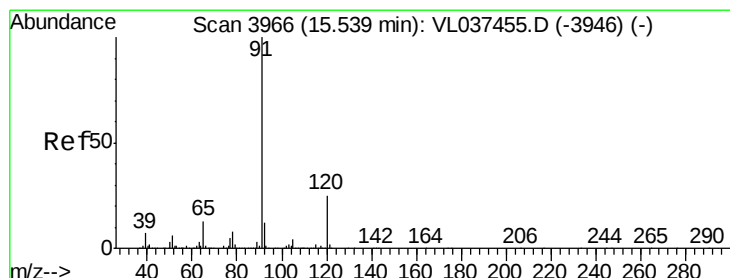
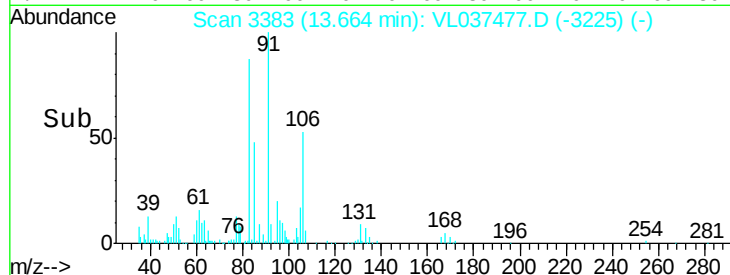
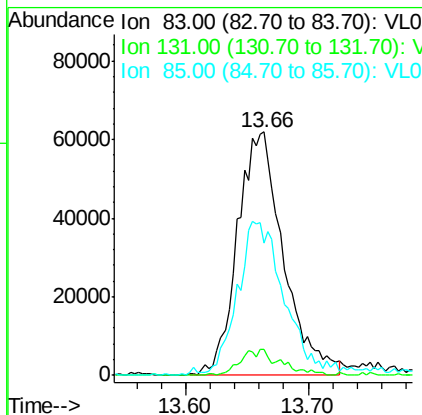
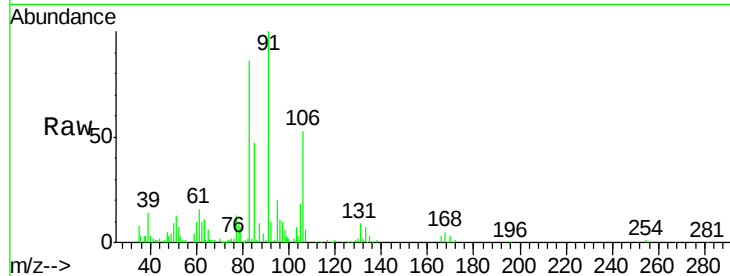
83 100

131 0.0 5.0 15.0#

85 67.3 33.8 101.3

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#64

n-propylbenzene

Concen: 0.485 ppbv m

RT: 15.55 min Scan# 3968

Delta R.T. 0.01 min

Lab File: VL037477.D

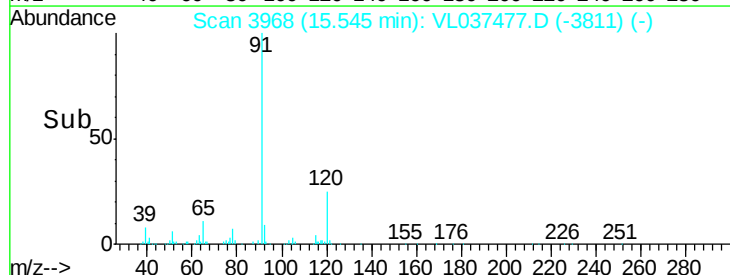
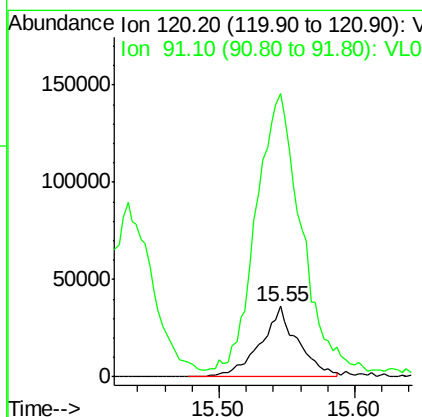
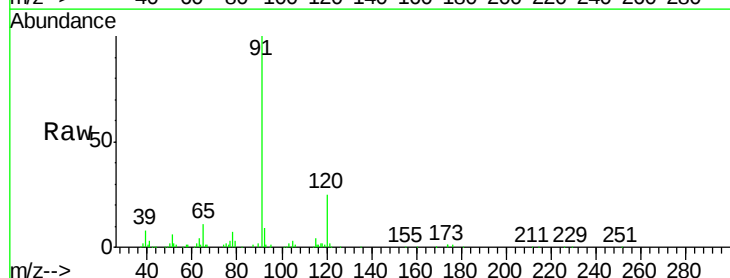
Acq: 17 Aug 2021 1:14

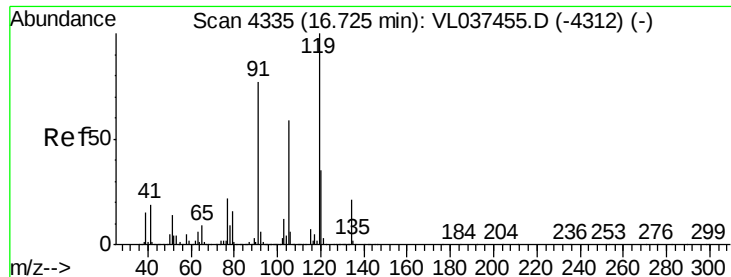
Tgt Ion: 120 Resp: 69430

Ion Ratio Lower Upper

120 100

91 48.7 373.8 560.6#





#65

tert-Butylbenzene

Concen: 0.513 ppbv m

RT: 16.73 min Scan# 4335

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

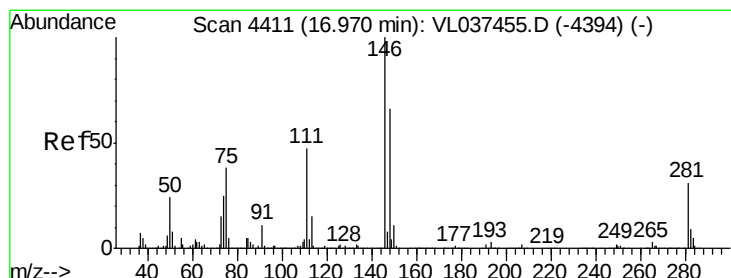
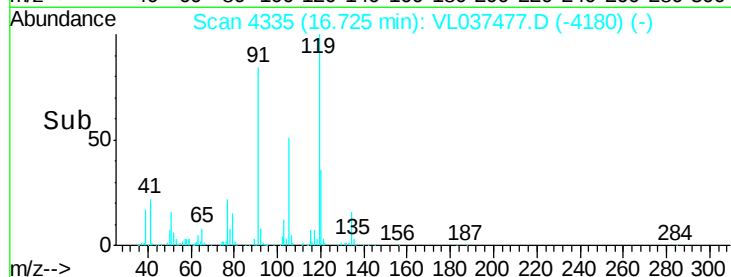
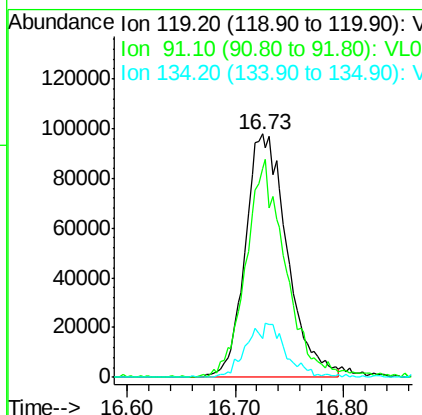
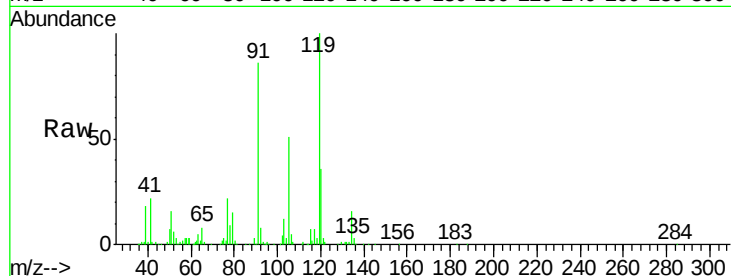
ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion:	119	Resp:	262641
Ion Ratio	Lower	Upper	
119	100		
91	0.0	62.9	94.3#
134	0.0	16.4	24.6#

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#66

Benzyl Chloride

Concen: 0.517 ppbv m

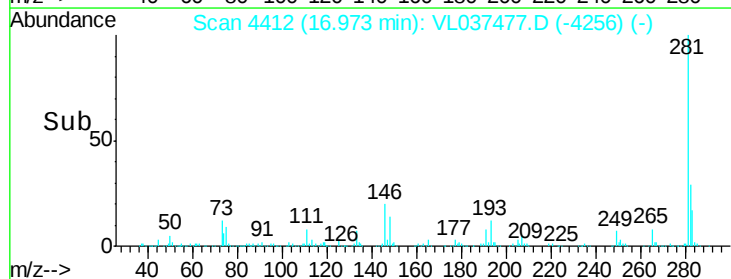
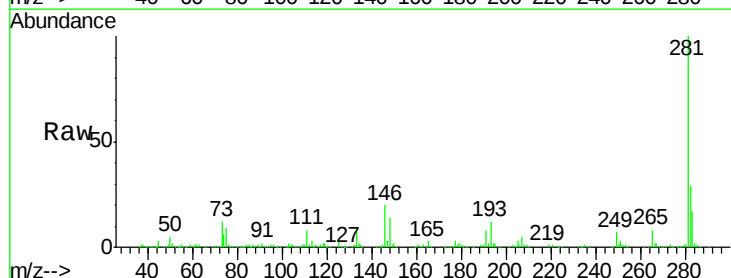
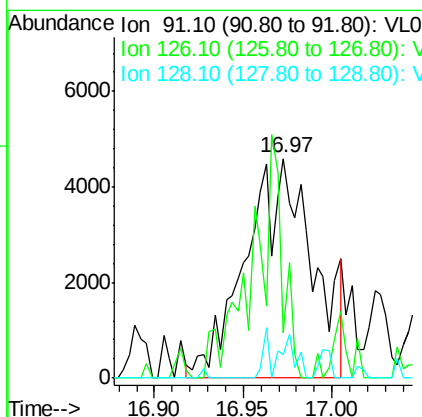
RT: 16.97 min Scan# 4412

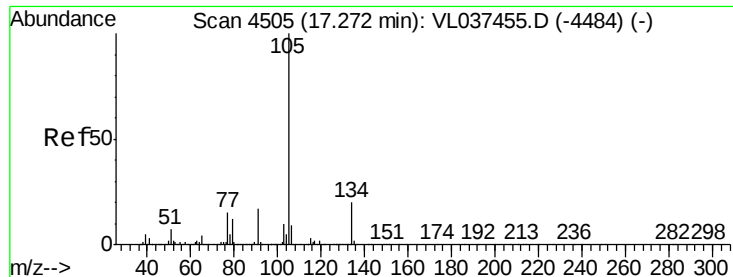
Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion:	91	Resp:	11982
Ion Ratio	Lower	Upper	
91	100		
126	52.3	15.9	23.9#
128	9.3	5.4	8.0#





#67

sec-Butylbenzene

Concen: 0.497 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 105 Resp: 355293

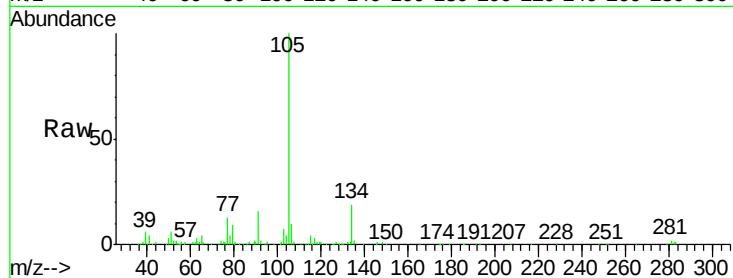
Ion Ratio Lower Upper

105 100

134 18.4 15.2 22.8

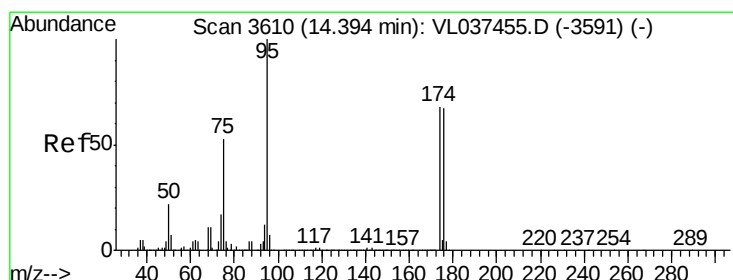
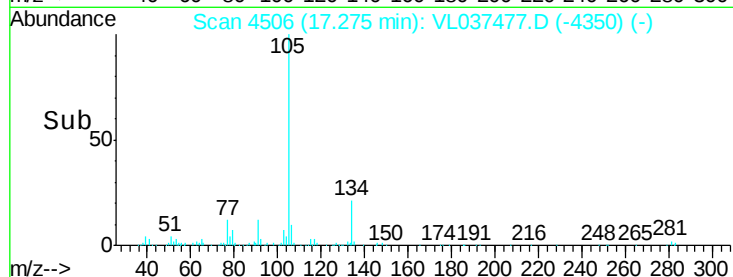
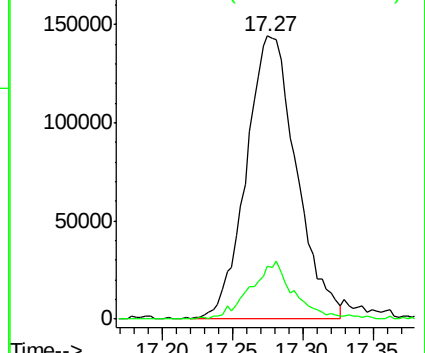
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.808 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

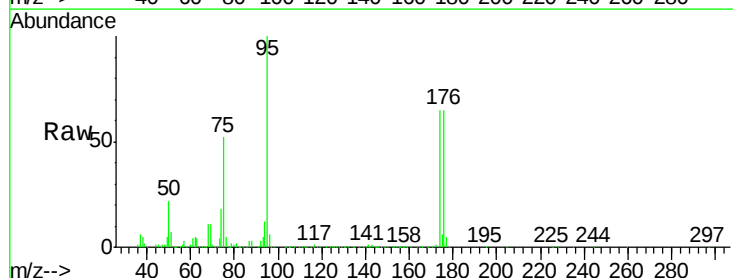
Tgt Ion: 95 Resp: 2723608

Ion Ratio Lower Upper

95 100

174 71.7 59.6 89.4

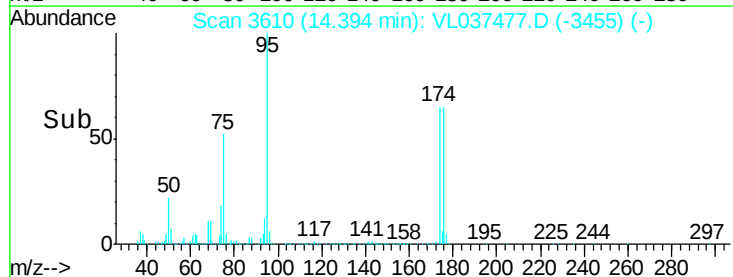
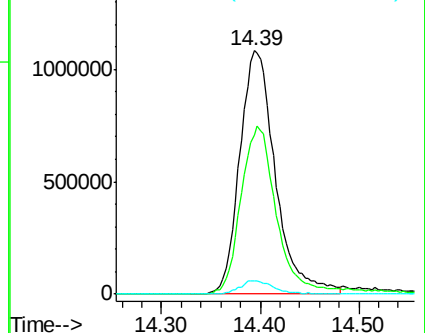
175 5.3 4.6 7.0

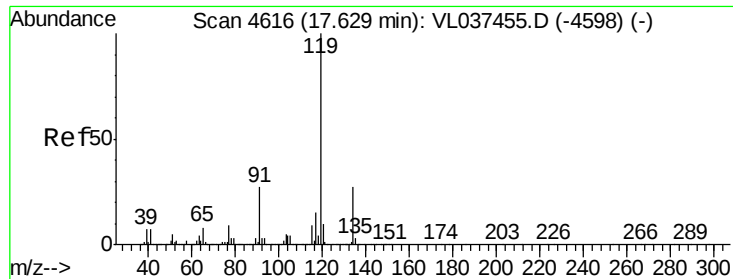


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





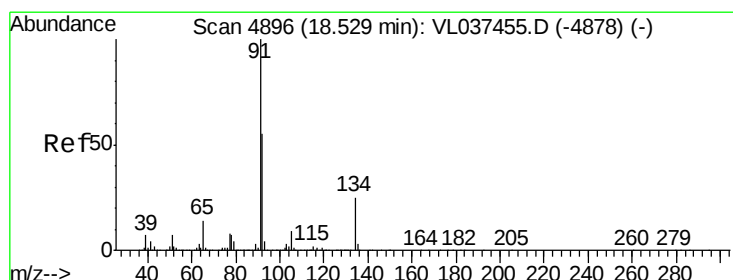
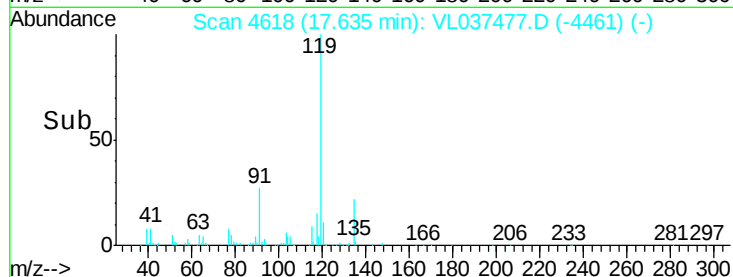
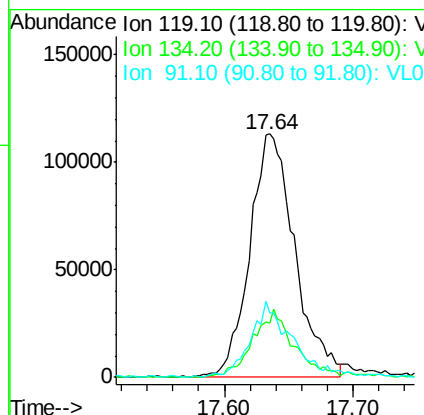
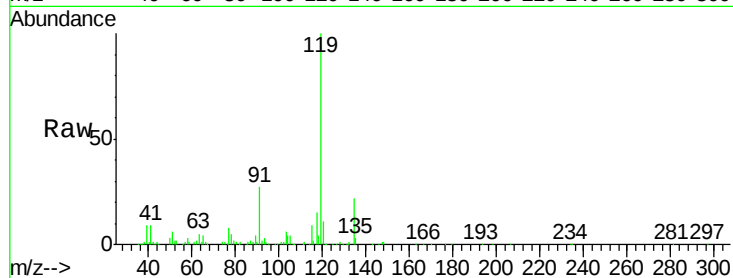
#69
p-Isopropyltoluene
Concen: 0.469 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
119	100	273196		
134	27.0		21.1	31.7
91	30.6		22.4	33.6

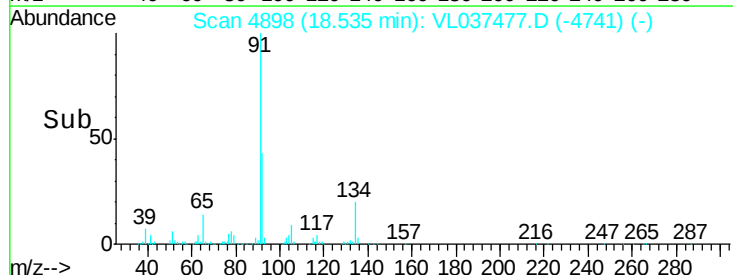
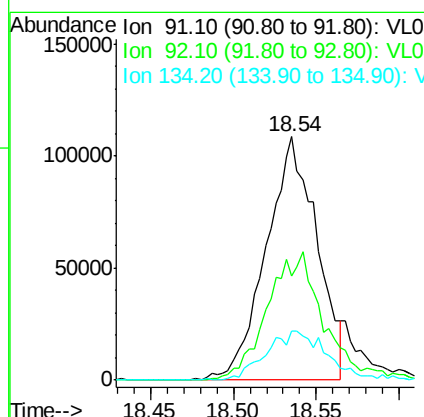
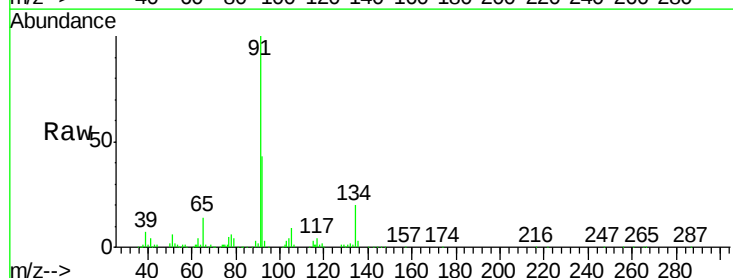
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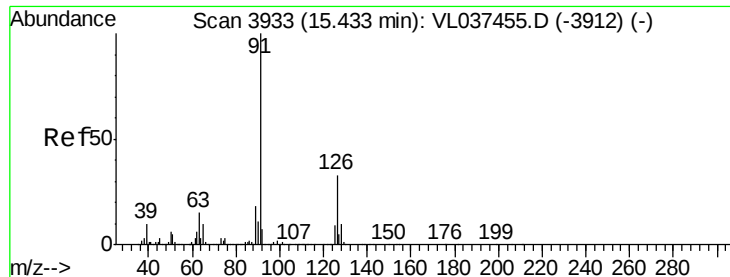
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#70
n-Butylbenzene
Concen: 0.416 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	231555		
92	59.8		44.0	66.0
134	24.8		19.5	29.3





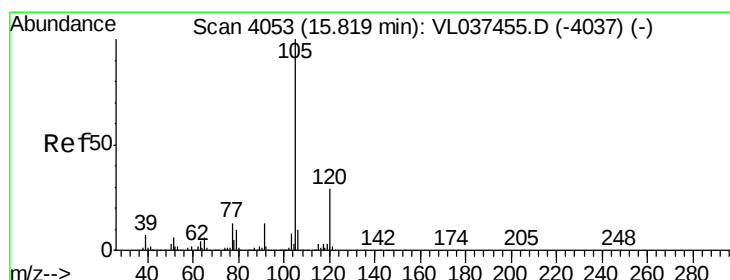
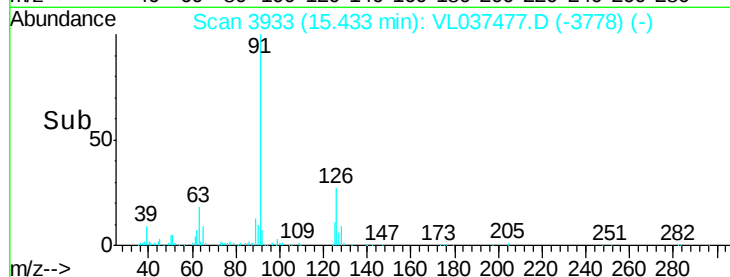
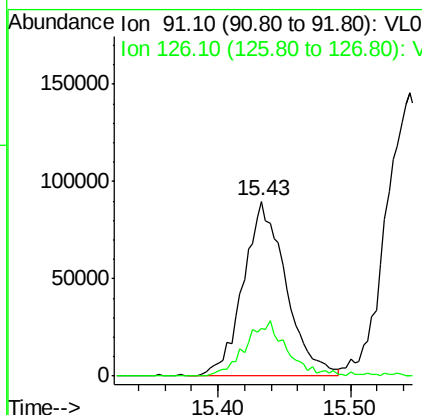
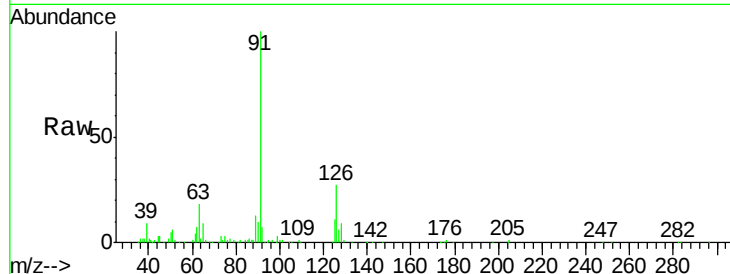
#71
2-Chlorotoluene
Concen: 0.488 ppbv
RT: 15.43 min Scan# 3933
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.0	13.6	54.4

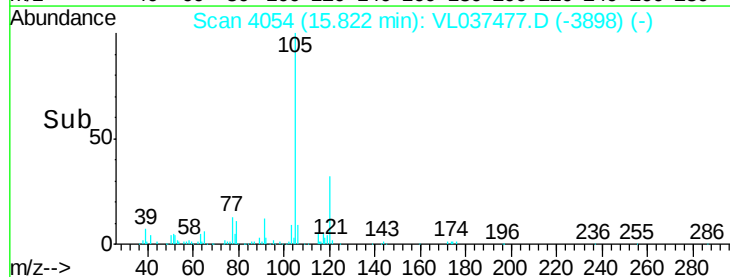
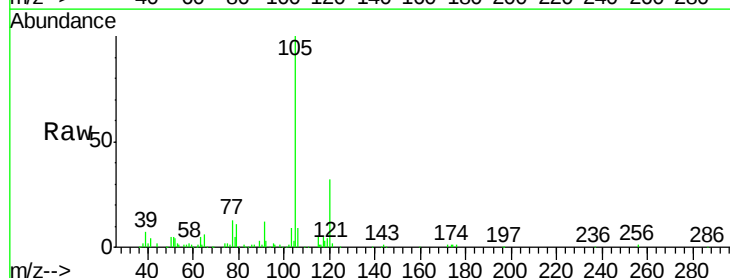
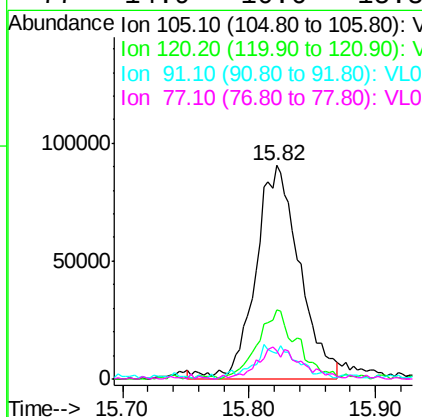
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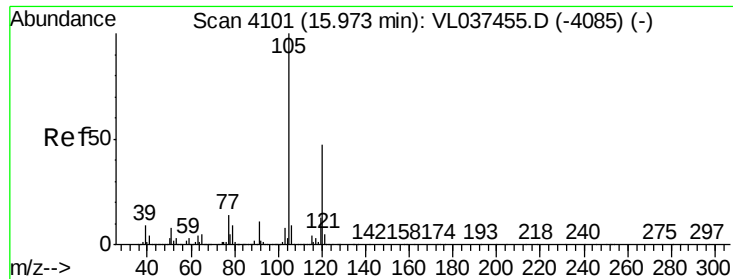
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#72
4-Ethyltoluene
Concen: 0.461 ppbv m
RT: 15.82 min Scan# 4054
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.0	24.7	37.1
91	0.0	9.8	14.8#
77	14.9	10.6	15.8





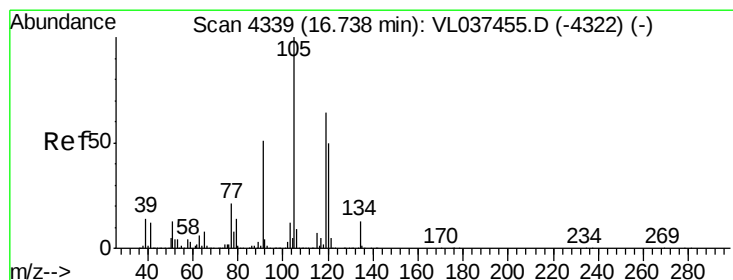
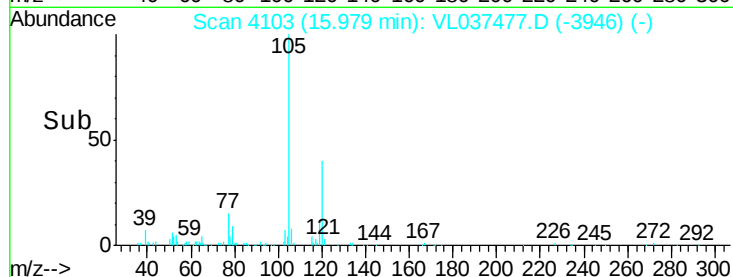
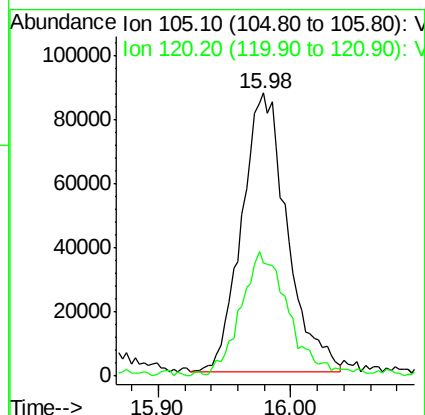
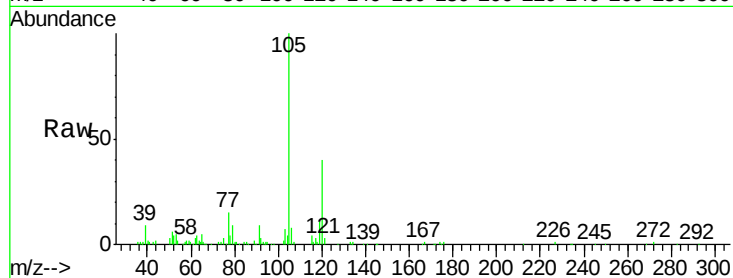
#73
 1,3,5-Trimethylbenzene
 Concen: 0.471 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
105	100	207552		
120	40.4	37.6	56.4	

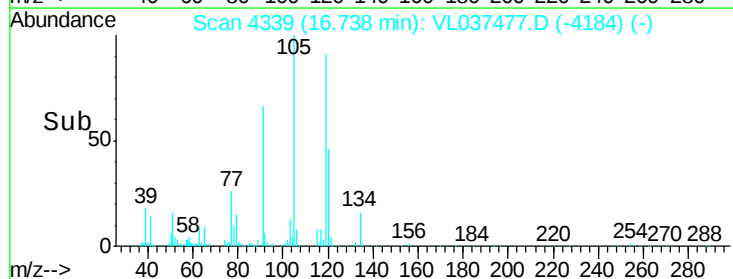
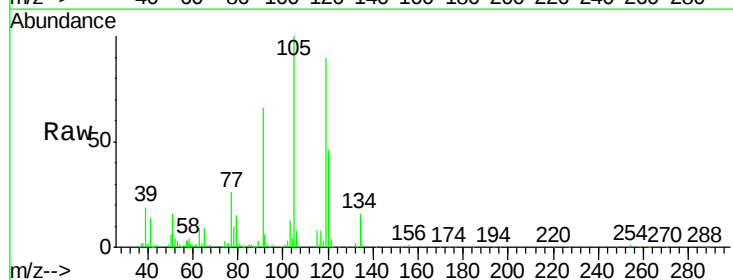
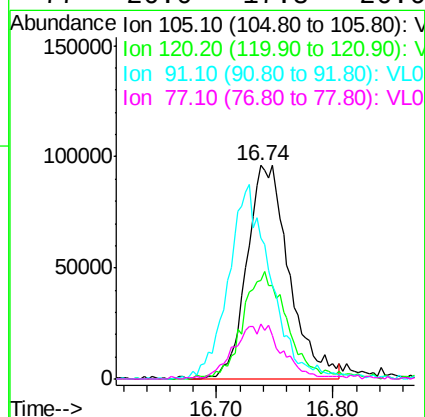
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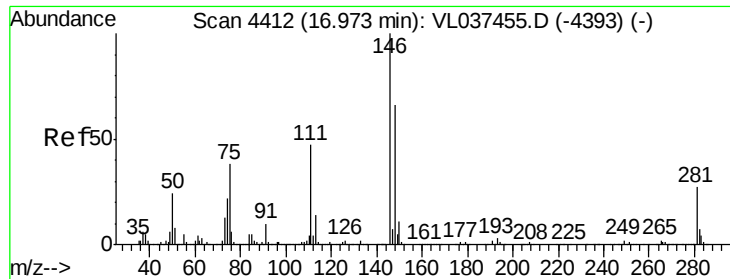
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 8/19/2021 5:59:43 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.515 ppbv m
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241315		
120	45.9	40.4	60.6	
91	66.2	44.6	67.0	
77	26.0	17.8	26.6	





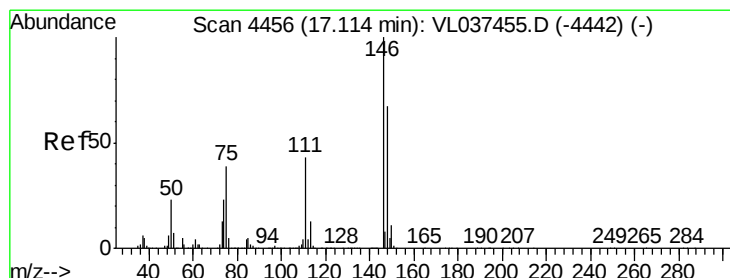
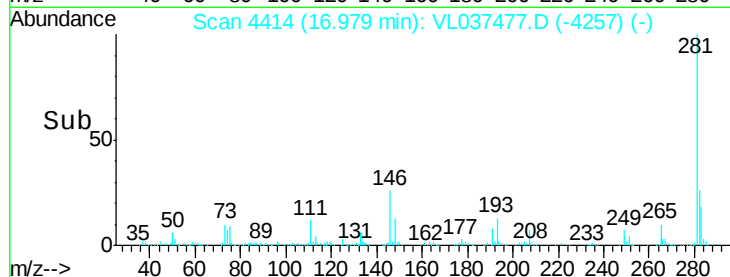
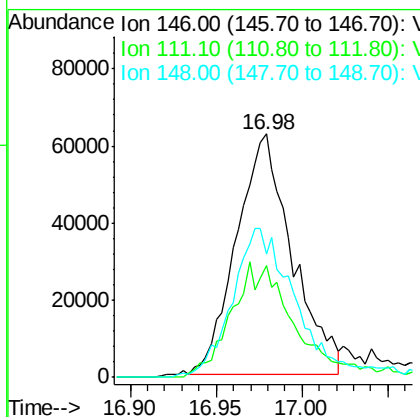
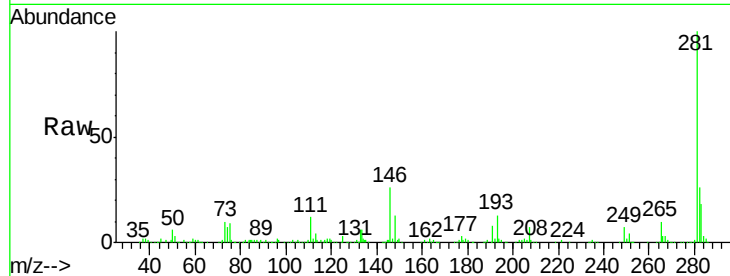
#75
 1,3-Dichlorobenzene
 Concen: 0.500 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.0	23.4	70.0
148	71.2	33.1	99.5

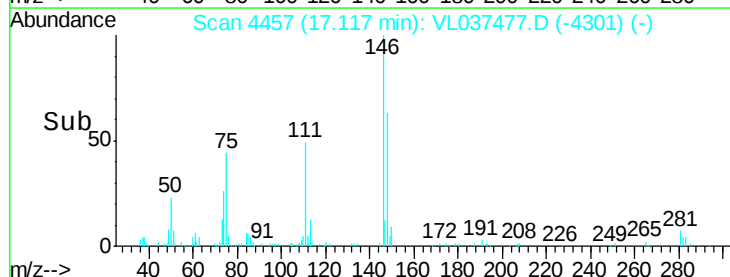
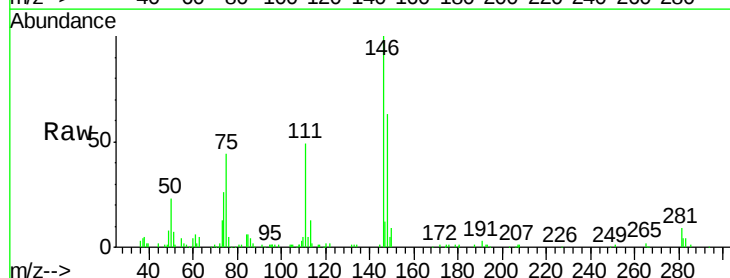
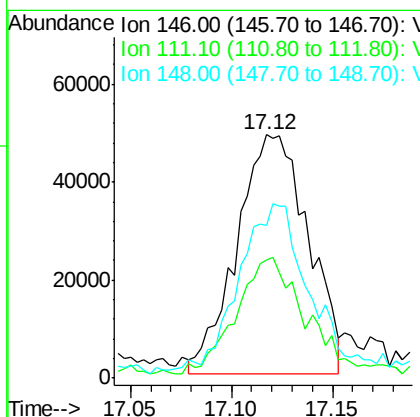
Manual Integrations
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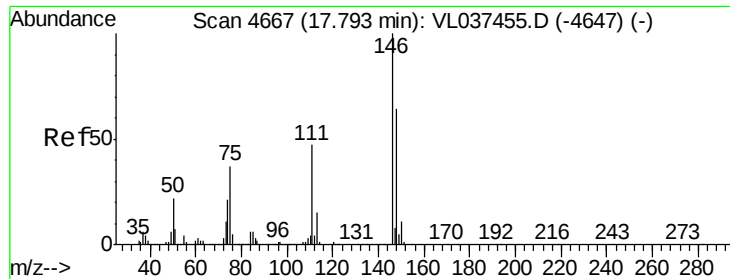
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 8/19/2021 5:59:43 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.424 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	54.7	22.1	66.5
148	79.2	32.4	97.0





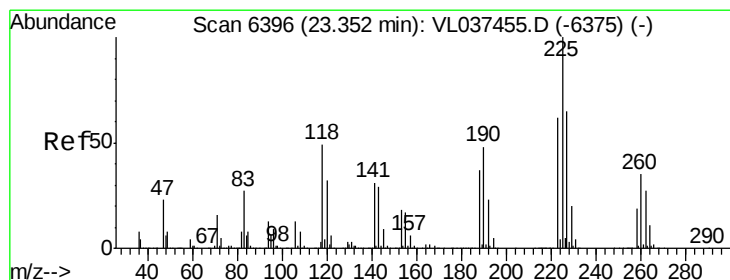
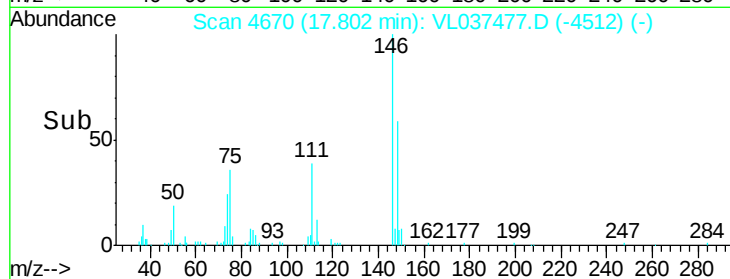
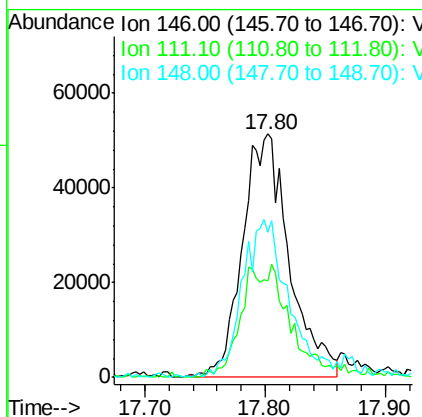
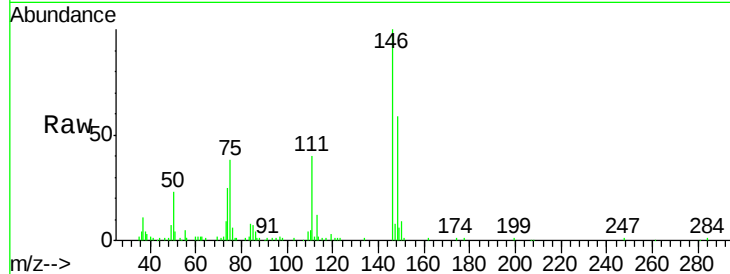
#77
 1,2-Dichlorobenzene
 Concen: 0.503 ppbv m
 RT: 17.80 min Scan# 4670
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139800		
111	50.5	23.4	70.3	
148	68.3	32.5	97.5	

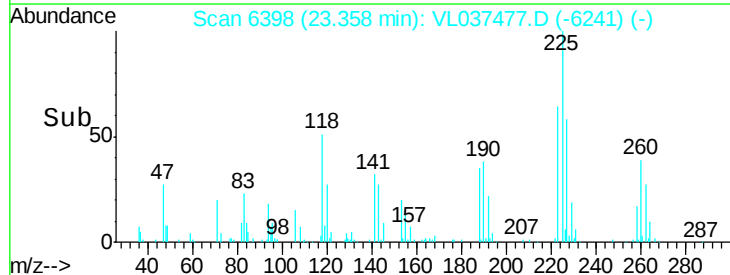
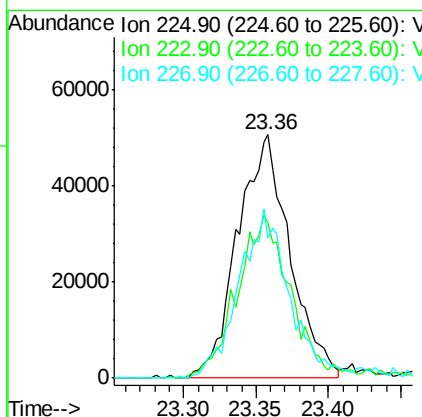
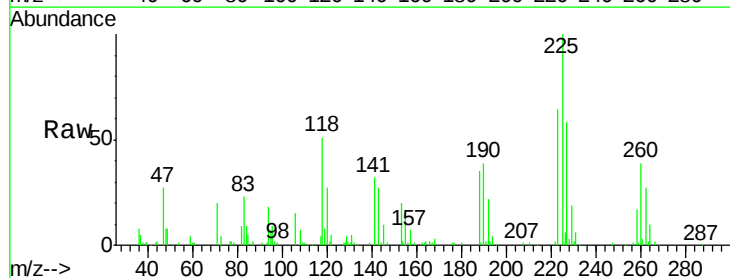
Manual Integrations
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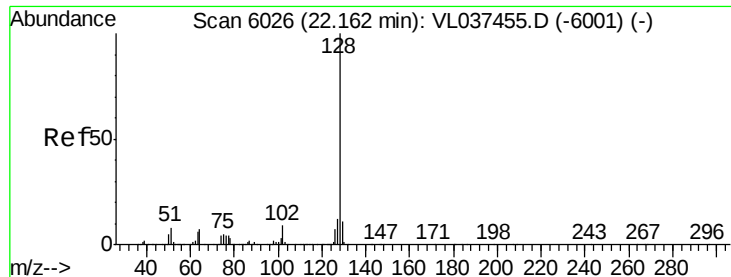
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.548 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126467		
223	70.9	51.4	77.0	
227	68.5	52.9	79.3	





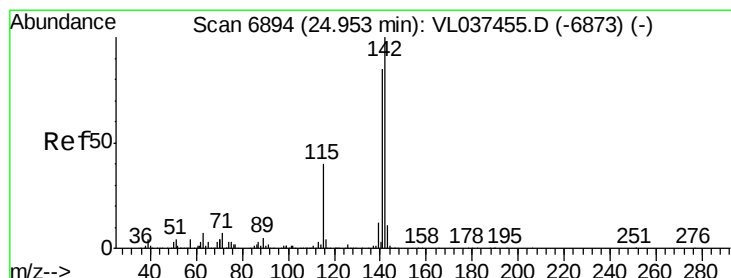
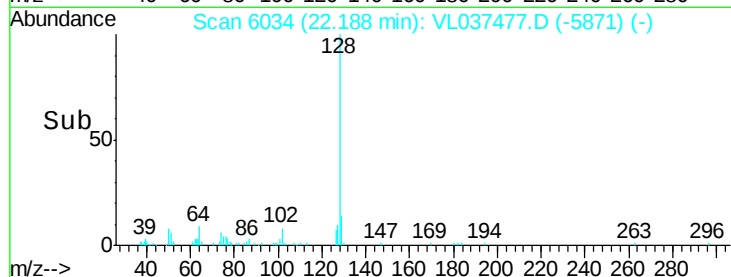
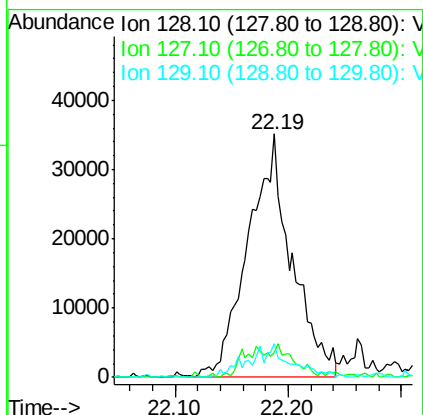
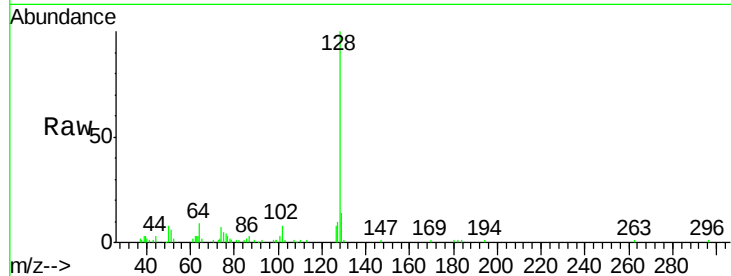
#79
Naphthalene
Concen: 0.299 ppbv m
RT: 22.19 min Scan# 6034
Delta R.T. 0.03 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	10.0	9.4	14.2
129	13.9	8.8	13.2#

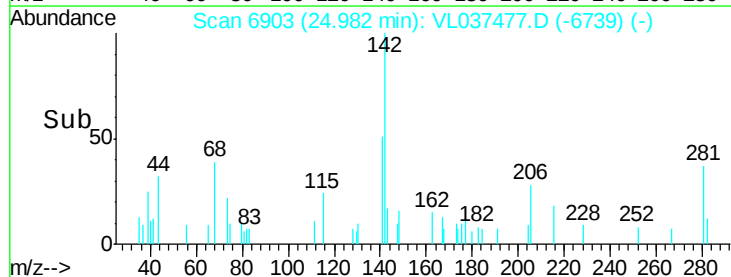
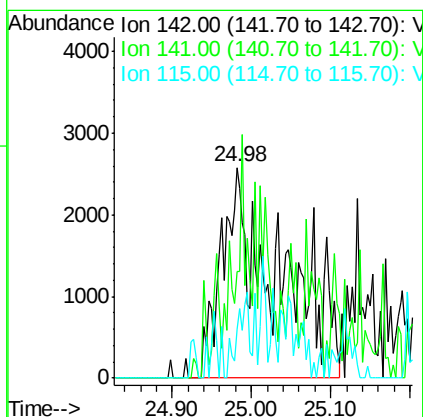
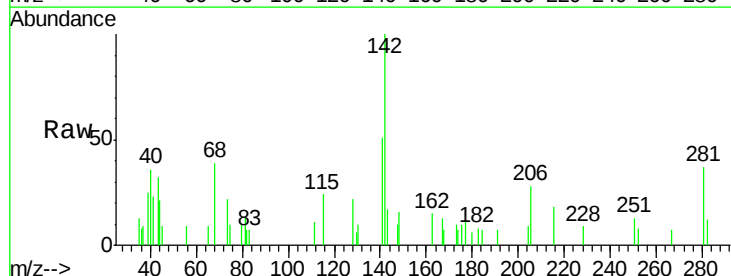
Manual Integrations
APPROVED

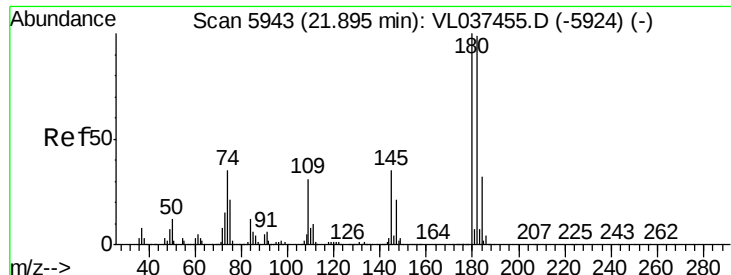
MMDadoda
8/19/2021 5:59:43 PM



#80
Naphthalene, 2-methyl-
Concen: 0.147 ppbv m
RT: 24.98 min Scan# 6903
Delta R.T. 0.03 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	34.2	64.7	97.1#
115	0.0	28.4	42.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.389 ppbv m
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.02 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	79.6	119.4#
184	34.4	25.4	38.2

Manual Integrations
 APPROVED

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