

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037481.D
 Acq On : 17 Aug 2021 3:49
 Operator : SY/AP
 Sample : M2940-13 0.4 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:59:52 PM

Quant Time: Aug 17 12:43:10 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	1345125	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4050839	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3566621	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2565046	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	120621m	0.559 ppbv	
3) Chlorodifluoromethane	2.98	51	119151	0.463 ppbv	97
4) Chloromethane	3.13	50	41915	0.455 ppbv	92
5) Vinyl Chloride	3.24	62	39657m	0.421 ppbv	
6) Bromomethane	3.47	94	22949m	0.444 ppbv	
7) Chloroethane	3.55	64	15614m	0.485 ppbv	
8) Dichlorotetrafluoroethane	3.18	85	101181	0.454 ppbv	95
9) Propene	3.00	41	39201m	0.425 ppbv	
10) Heptane	8.11	43	73048	0.344 ppbv	91
11) Trichlorofluoromethane	3.94	101	84246	0.416 ppbv	87
12) 1,1,2-Trichlorotrifluoroet	4.47	101	64309	0.433 ppbv	95
13) Ethanol	3.62	45	5020m	0.560 ppbv	
14) Bromoethene	3.73	108	26898m	0.399 ppbv	
15) Acetone	3.87	43	71583m	0.523 ppbv	
16) 1,3-Butadiene	3.33	39	40633m	0.463 ppbv	
17) tert-Butyl alcohol	4.32	59	55231m	0.442 ppbv	
18) 1,1-Dichloroethene	4.27	96	30811m	0.456 ppbv	
19) Isopropyl Alcohol	3.99	45	35257m	0.450 ppbv	
20) Methylene Chloride	4.33	84	36944m	0.539 ppbv	
21) Allyl Chloride	4.40	41	41058	0.369 ppbv #	85
22) trans-1,2-Dichloroethene	4.88	96	27310m	0.405 ppbv	
23) Vinyl Acetate	5.07	43	76253m	0.378 ppbv	
24) 1,1-Dichloroethane	5.00	63	72444m	0.495 ppbv	
25) Ethyl Acetate	5.68	43	132459	0.381 ppbv #	94
26) Hexane	5.67	57	60099	0.354 ppbv #	80
27) Carbon Disulfide	4.54	76	45416	0.300 ppbv #	79
28) Methyl tert-Butyl Ether	5.04	73	77882m	0.477 ppbv	
29) Chloroform	5.74	83	105063	0.436 ppbv	86
30) Cyclohexane	7.11	84	45684m	0.323 ppbv	
31) cis-1,2-Dichloroethene	5.54	61	57848m	0.376 ppbv	
32) 1,1,1-Trichloroethane	6.49	97	93049	0.393 ppbv	96
34) 2-Butanone	5.26	43	66977m	0.405 ppbv	
35) Carbon Tetrachloride	7.00	117	91652m	0.383 ppbv	
36) Benzene	6.87	78	110453	0.324 ppbv #	90
37) 1,2-Dichloroethane	6.29	62	75709m	0.449 ppbv	
38) Trichloroethene	7.82	130	56657m	0.406 ppbv	
39) 1,2-Dichloropropane	7.60	63	54134m	0.414 ppbv	
40) 1,4-Dioxane	7.87	88	13578m	0.424 ppbv	
41) Tetrahydrofuran	6.07	42	23847m	0.299 ppbv	
42) Bromodichloromethane	7.78	83	93382m	0.379 ppbv	
43) Methyl Methacrylate	8.01	69	32841m	0.277 ppbv	

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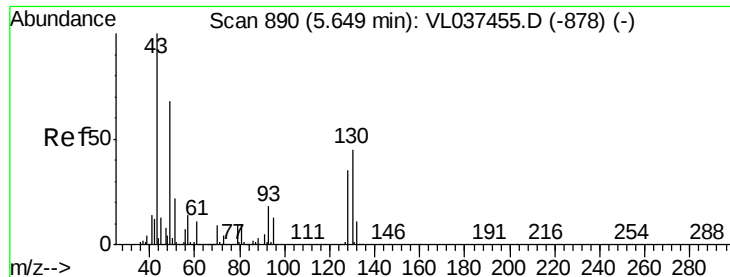
Manual Integrations
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Quant Time: Aug 17 12:43:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	211556m	0.369	ppbv	
45) t-1,3-Dichloropropene	9.27	75	24277m	0.272	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	34401m	0.276	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	60408m	0.427	ppbv	
48) Dibromochloromethane	10.29	129	66040m	0.325	ppbv	
49) Bromoform	13.02	173	46037m	0.287	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	69777m	0.323	ppbv	
51) 2-Hexanone	10.15	43	28652m	0.289	ppbv	
52) Tetrachloroethene	11.21	164	51060m	0.366	ppbv	
53) Toluene	9.79	91	118881	0.306	ppbv	97
54) 1,2-Dibromoethane	10.59	107	74567m	0.378	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	64758m	0.436	ppbv	
57) Chlorobenzene	12.13	112	124316	0.420	ppbv	91
58) Ethyl Benzene	12.69	91	172800m	0.349	ppbv	
59) m/p-Xylene	12.98	91	304785m	0.710	ppbv	
60) o-Xylene	13.67	91	143338	0.358	ppbv	99
61) Styrene	13.51	104	54200m	0.261	ppbv	
62) Isopropylbenzene	14.65	105	233507	0.413	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.66	83	131441m	0.442	ppbv	
64) n-propylbenzene	15.55	120	53372m	0.371	ppbv	
65) tert-Butylbenzene	16.73	119	205354m	0.399	ppbv	
66) Benzyl Chloride	16.99	91	8474m	0.364	ppbv	
67) sec-Butylbenzene	17.28	105	271716	0.378	ppbv	97
69) p-Isopropyltoluene	17.64	119	199661	0.341	ppbv	96
70) n-Butylbenzene	18.54	91	173596	0.310	ppbv	99
71) 2-Chlorotoluene	15.43	91	149923	0.362	ppbv	97
72) 4-Ethyltoluene	15.82	105	163218m	0.343	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	165049m	0.372	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	178389m	0.379	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	116674m	0.411	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	107966m	0.378	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	108989m	0.390	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	102421m	0.441	ppbv	
79) Naphthalene	22.18	128	68197m	0.216	ppbv	
80) Naphthalene, 2-methyl-	25.10	142	8072m	0.092	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	61347m	0.310	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 49 Resp: 1345125

Ion Ratio Lower Upper

49 100

128 55.2 27.5 82.4

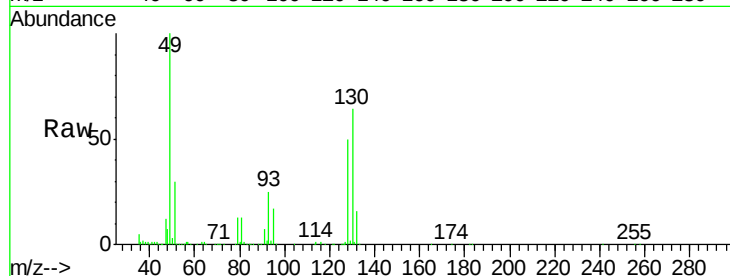
130 71.8 34.0 101.8

Manual Integrations

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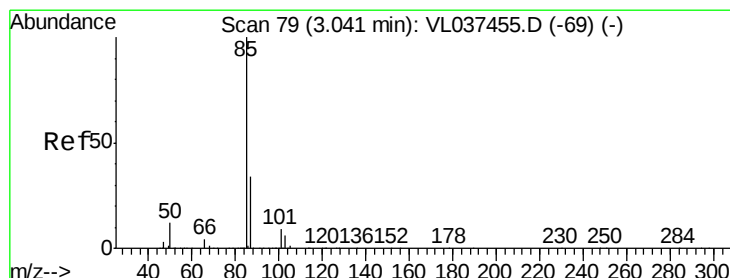
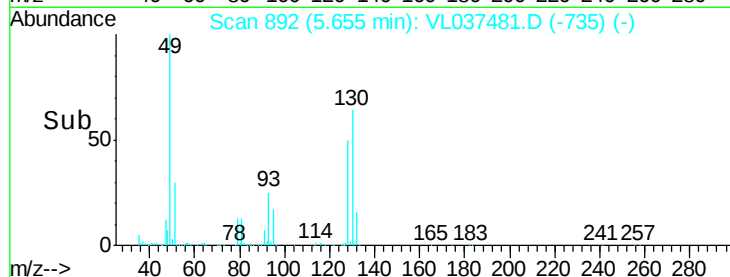
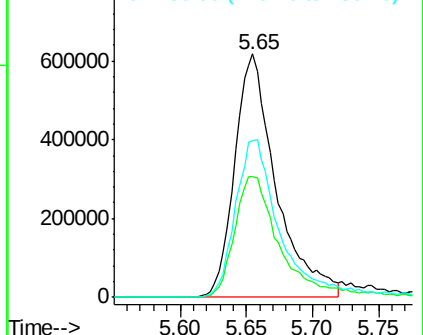
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.559 ppbv m

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037481.D

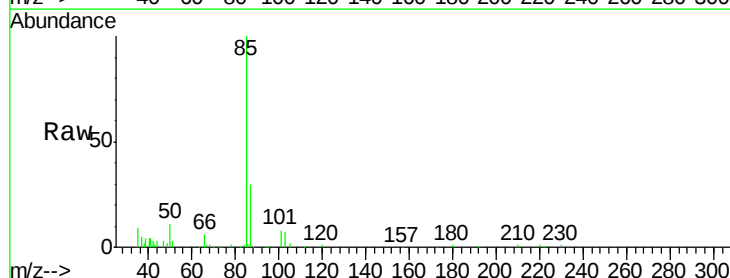
Acq: 17 Aug 2021 3:49

Tgt Ion: 85 Resp: 120621

Ion Ratio Lower Upper

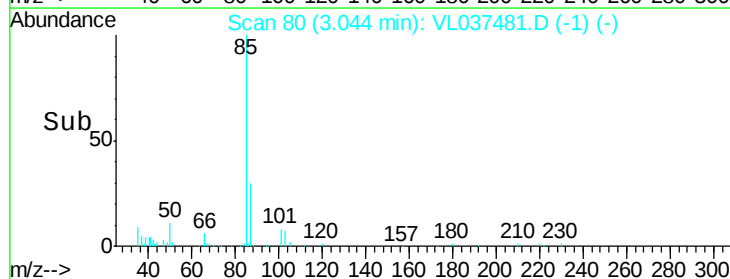
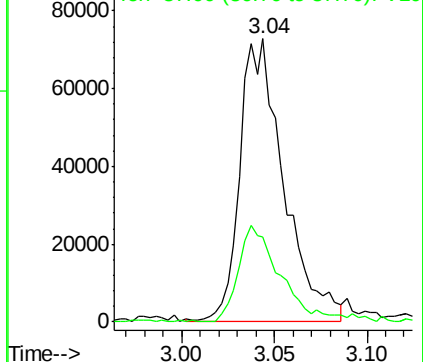
85 100

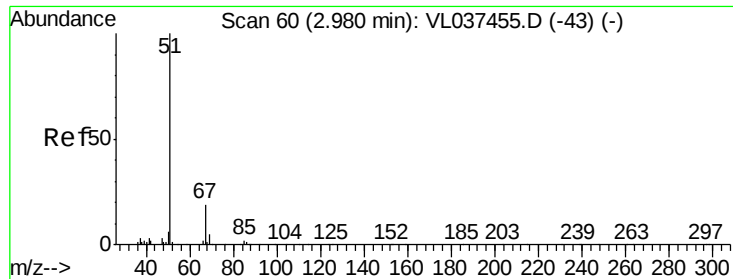
87 30.0 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.463 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

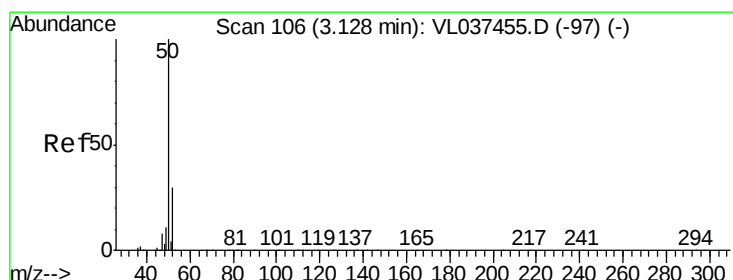
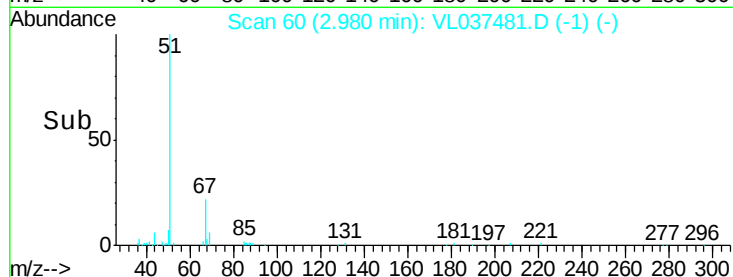
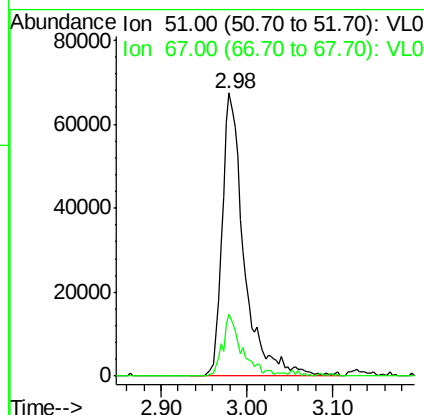
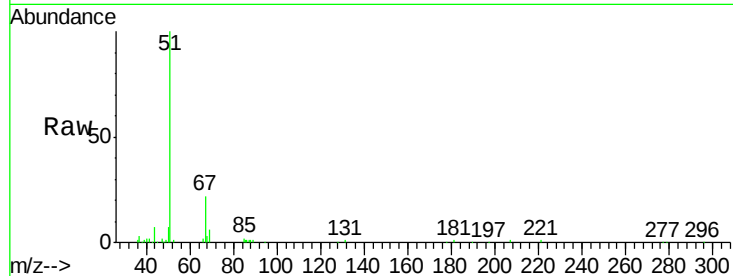
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:	51	Resp:	119151
Ion Ratio	Lower	Upper	
51	100		
67	19.2	14.2	21.2

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#4

Chloromethane

Concen: 0.455 ppbv

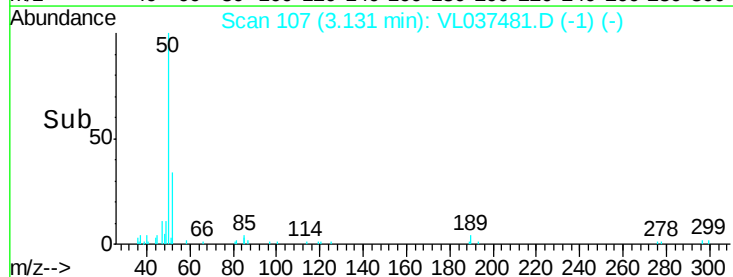
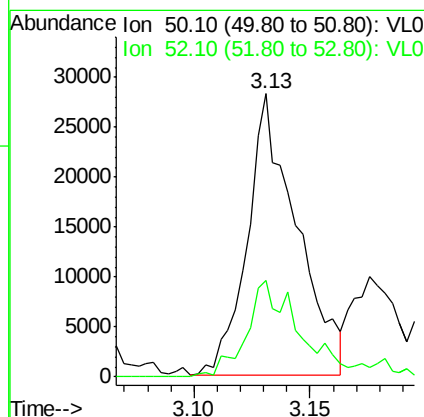
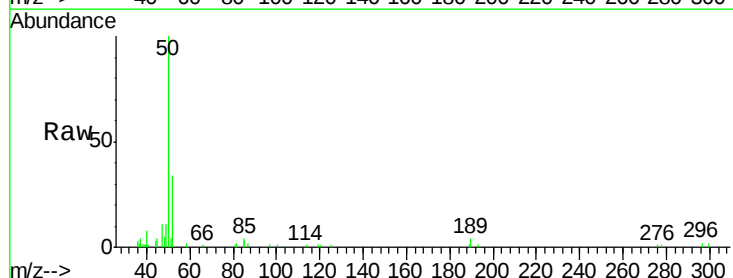
RT: 3.13 min Scan# 107

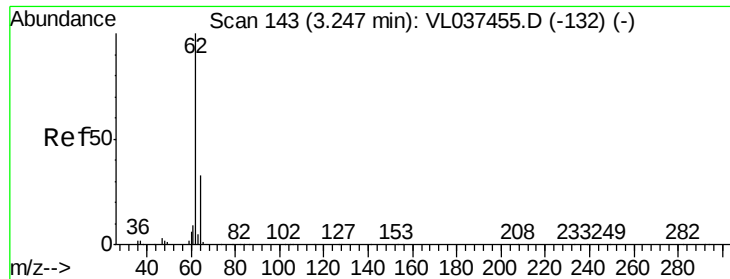
Delta R.T. 0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Tgt Ion:	50	Resp:	41915
Ion Ratio	Lower	Upper	
50	100		
52	34.3	24.0	36.0





#5

Vinyl Chloride

Concen: 0.421 ppbv m

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 62 Resp: 39657

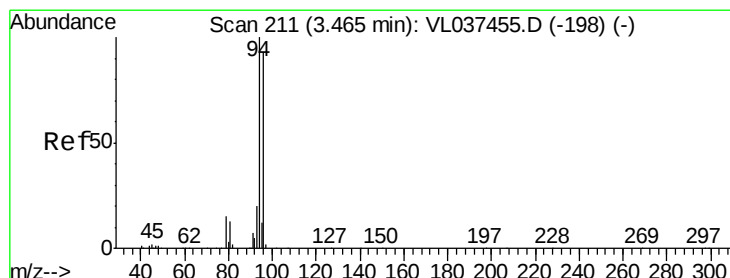
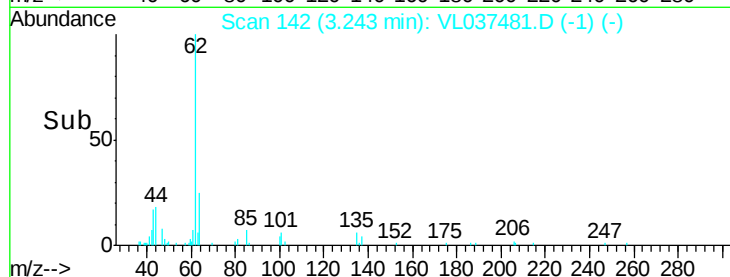
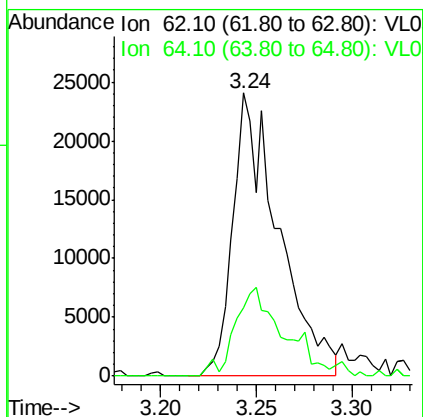
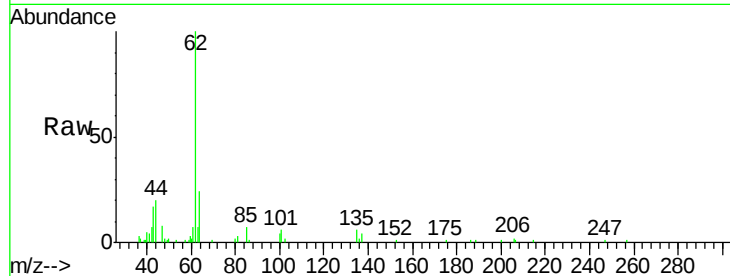
Ion Ratio Lower Upper

62 100

64 24.3 26.5 39.7#

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#6

Bromomethane

Concen: 0.444 ppbv m

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037481.D

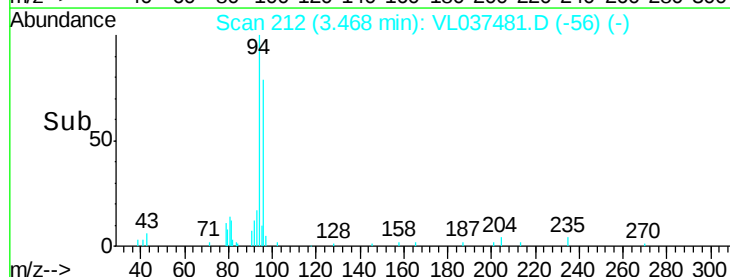
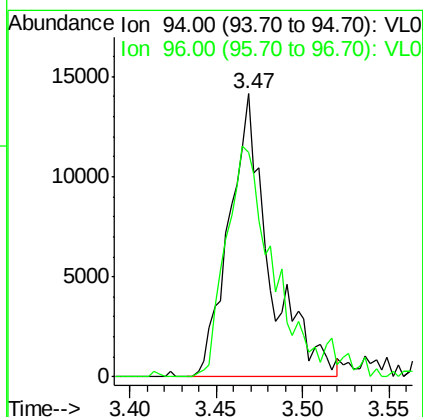
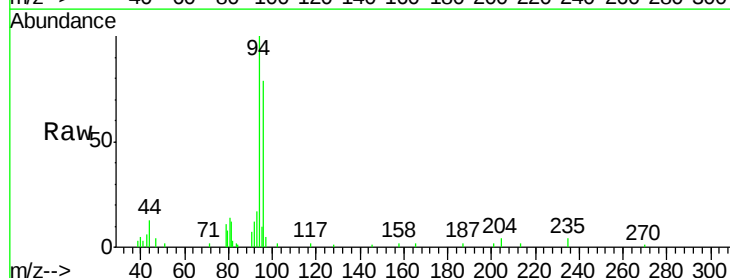
Acq: 17 Aug 2021 3:49

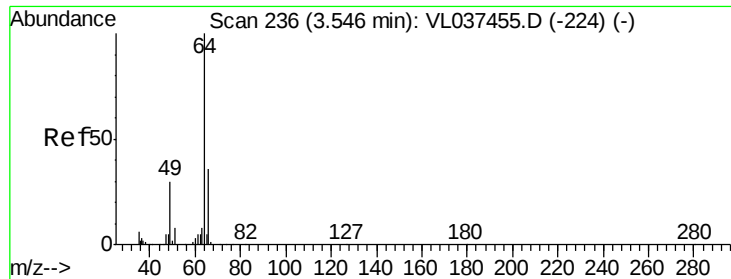
Tgt Ion: 94 Resp: 22949

Ion Ratio Lower Upper

94 100

96 79.4 74.5 111.7





#7

Chloroethane

Concen: 0.485 ppbv m

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 64 Resp: 15614

Ion Ratio Lower Upper

64 100

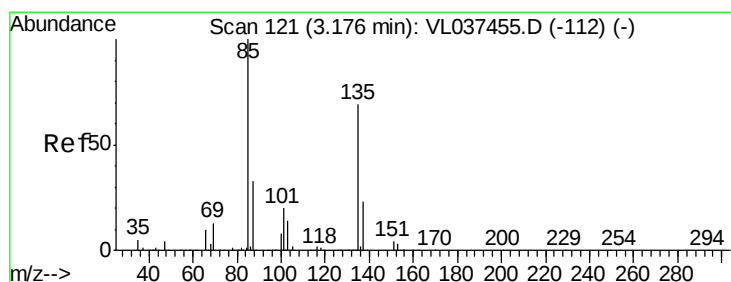
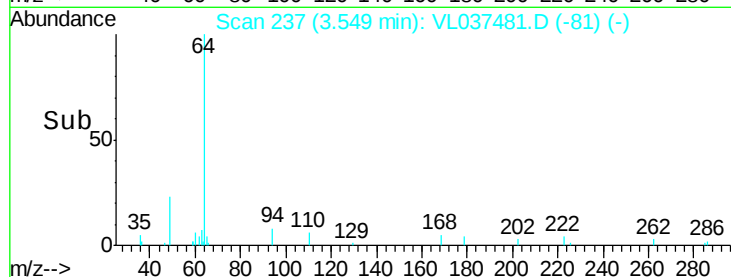
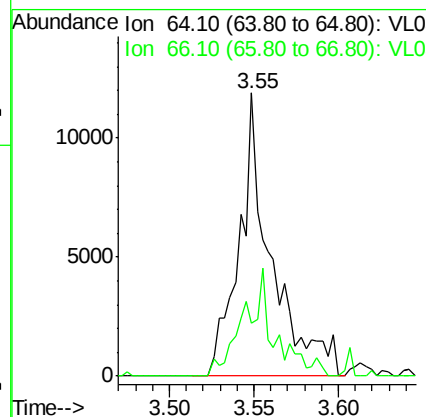
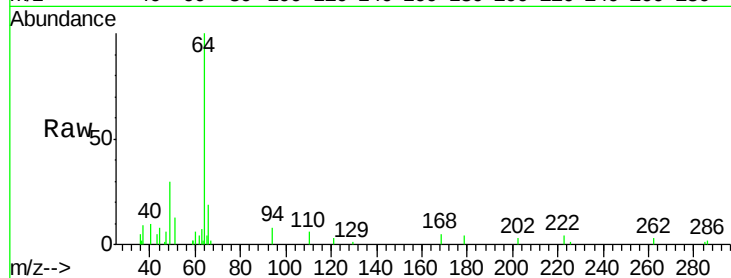
66 18.8 28.6 43.0#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.454 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037481.D

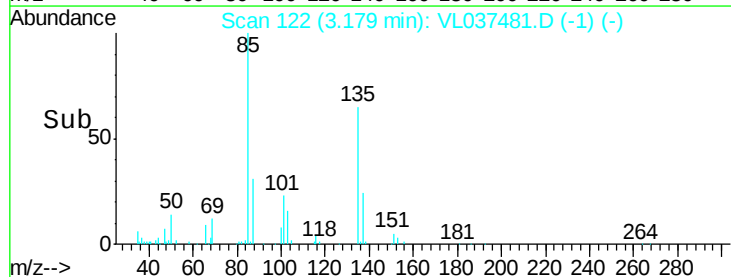
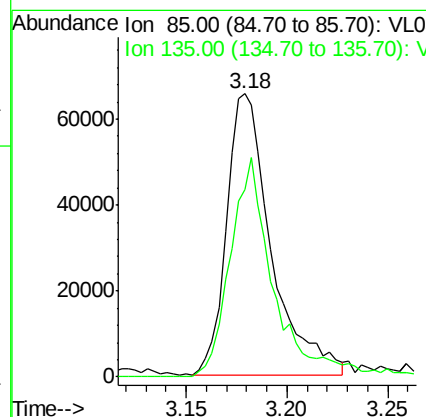
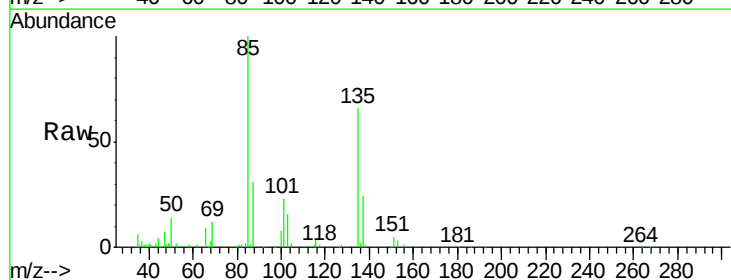
Acq: 17 Aug 2021 3:49

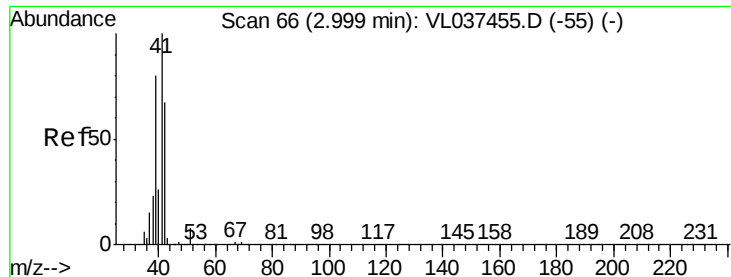
Tgt Ion: 85 Resp: 101181

Ion Ratio Lower Upper

85 100

135 77.4 58.8 88.2





#9

Propene

Concen: 0.425 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 41 Resp: 39201

Ion Ratio Lower Upper

41 100

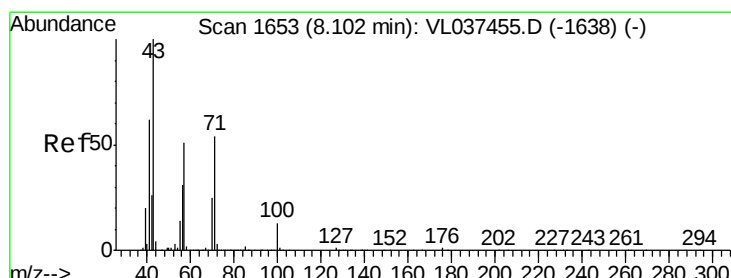
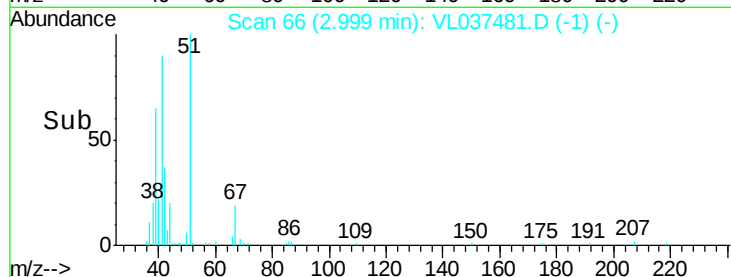
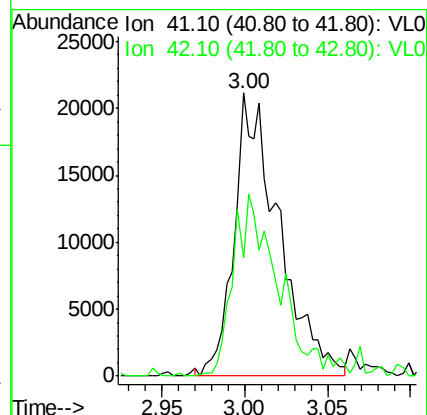
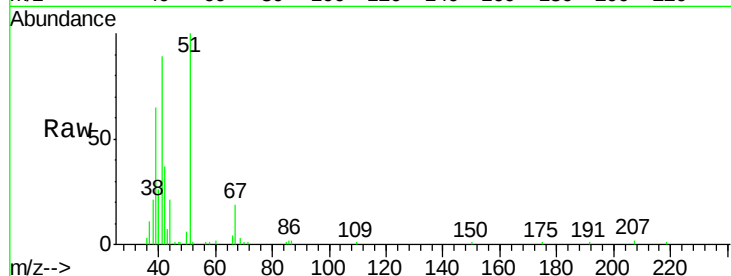
42 69.1 53.7 80.5

Manual Integrations

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#10

Heptane

Concen: 0.344 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VL037481.D

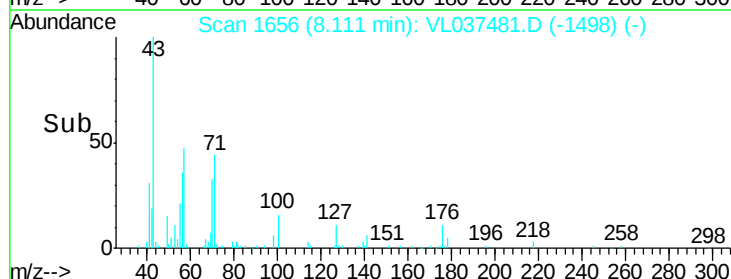
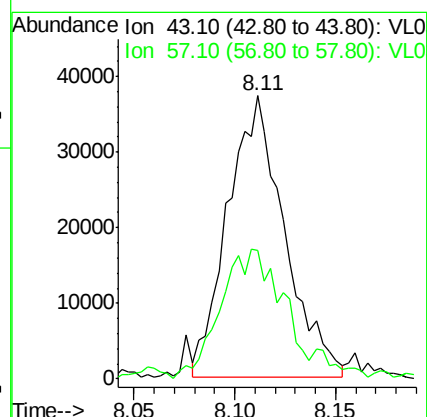
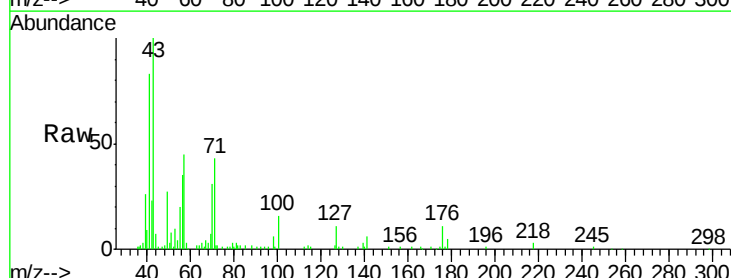
Acq: 17 Aug 2021 3:49

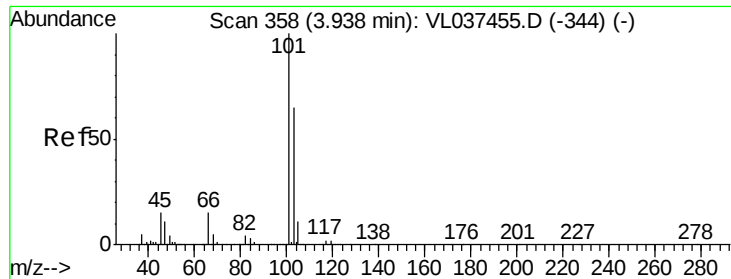
Tgt Ion: 43 Resp: 73048

Ion Ratio Lower Upper

43 100

57 57.6 41.0 61.6





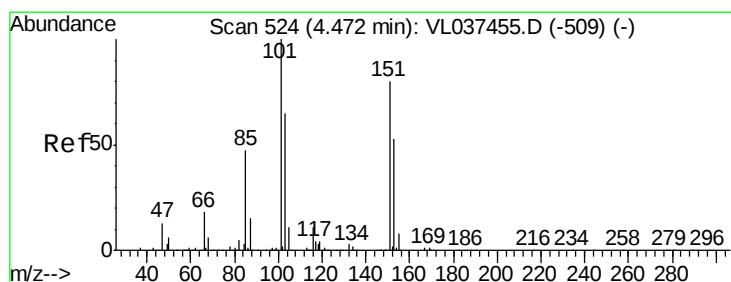
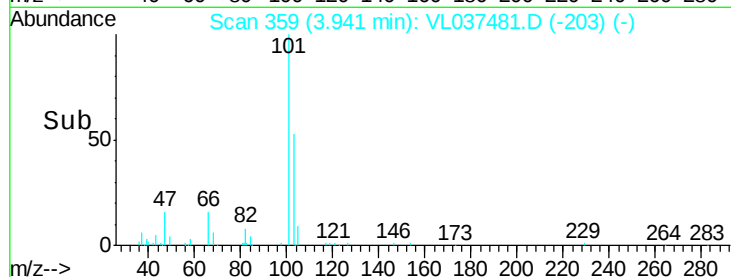
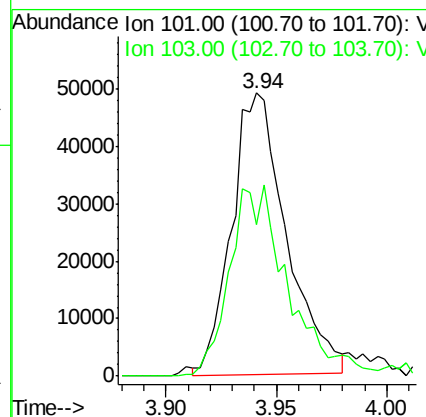
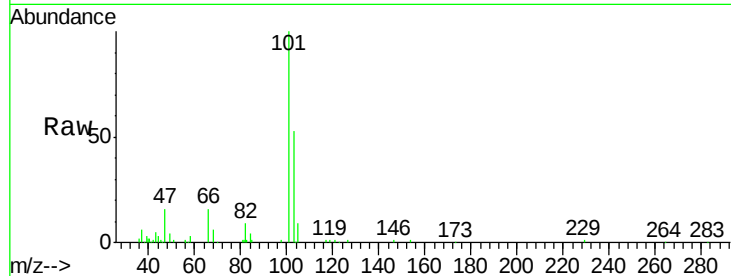
#11
 Trichlorofluoromethane
 Concen: 0.416 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.4	51.8	77.6

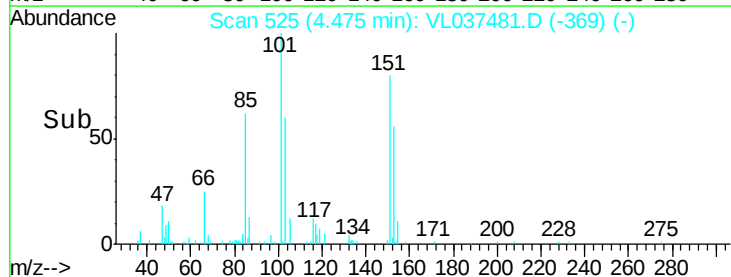
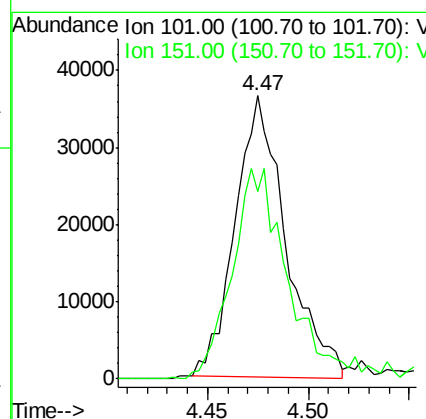
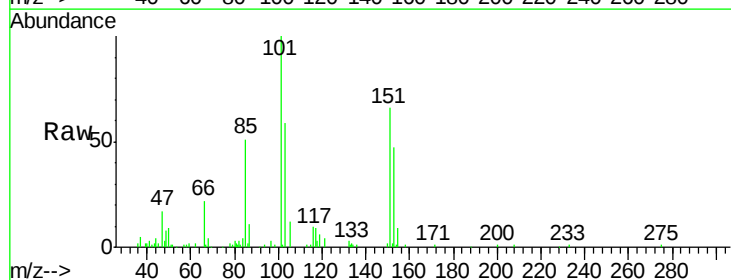
Manual Integrations
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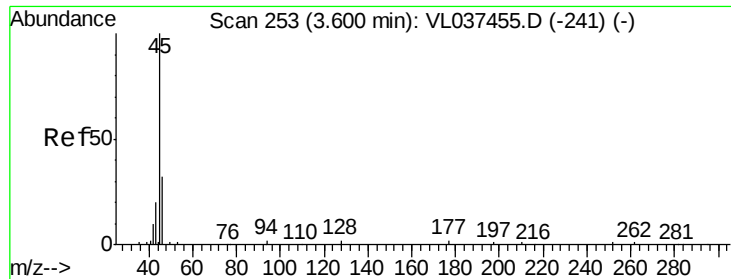
MMDadoda
 8/19/2021 5:59:52 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.433 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
101	100		
151	83.7	63.7	95.5





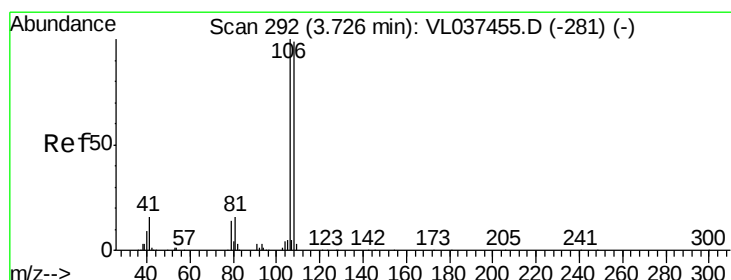
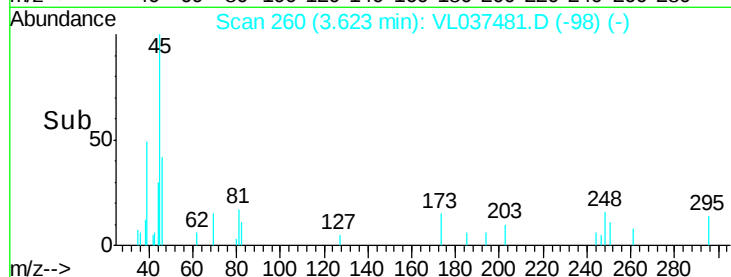
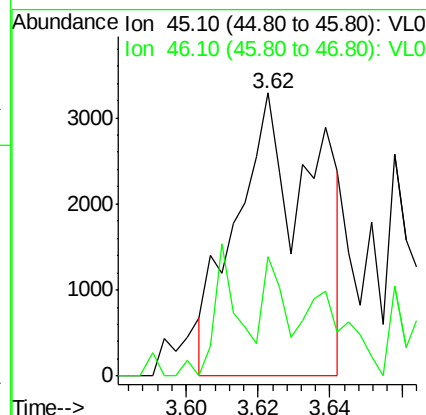
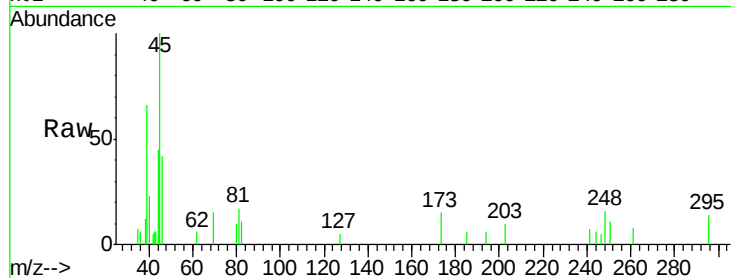
#13
Ethanol
Concen: 0.560 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion: 45 Resp: 5020
Ion Ratio Lower Upper
45 100
46 43.3 14.1 56.5

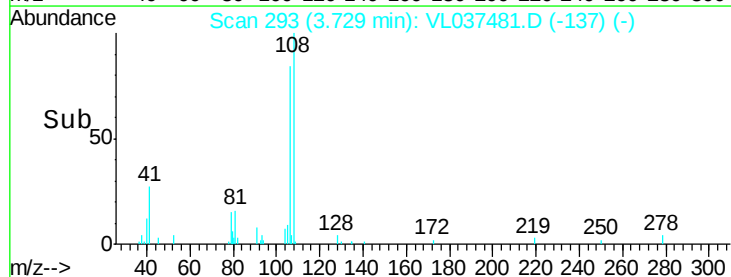
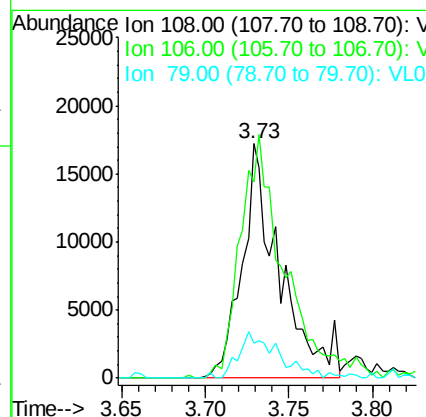
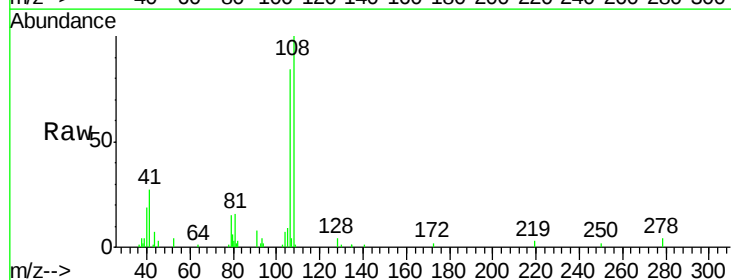
Manual Integrations
APPROVED

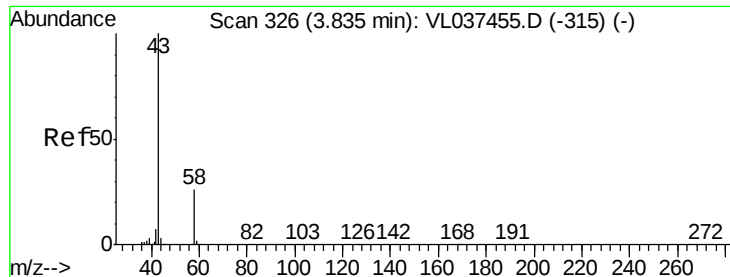
MMDadoda
8/19/2021 5:59:52 PM



#14
Bromoethene
Concen: 0.399 ppbv m
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion: 108 Resp: 26898
Ion Ratio Lower Upper
108 100
106 122.5 85.8 128.8
79 21.1 12.6 18.8#





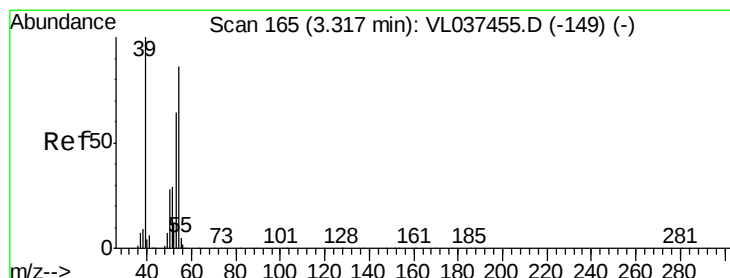
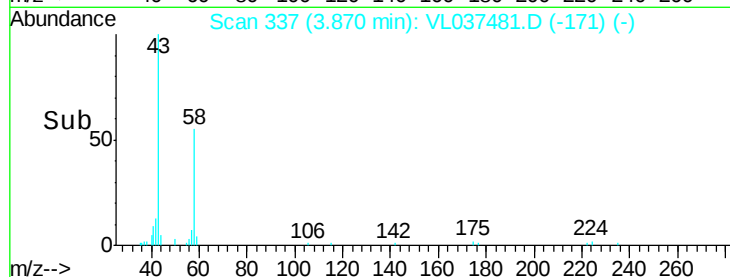
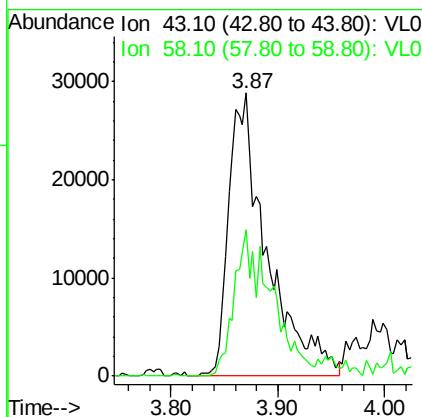
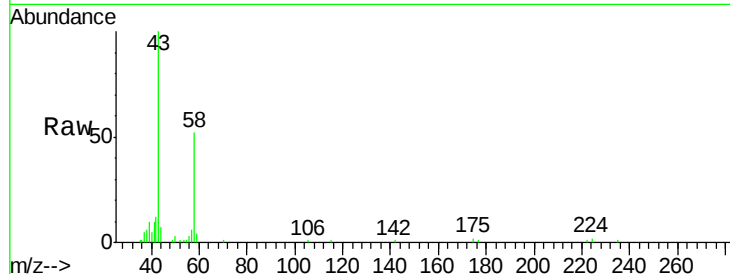
#15
Acetone
Concen: 0.523 ppbv m
RT: 3.87 min Scan# 337
Delta R.T. 0.04 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion: 43 Resp: 71583
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

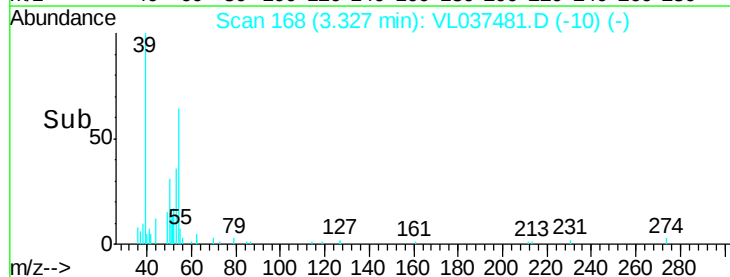
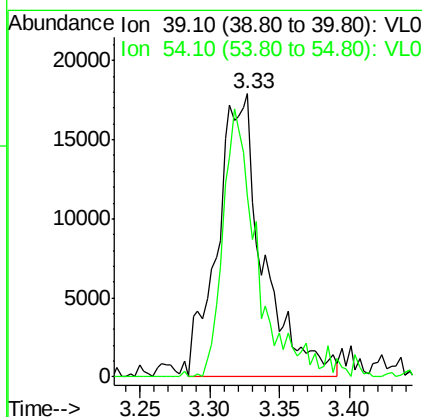
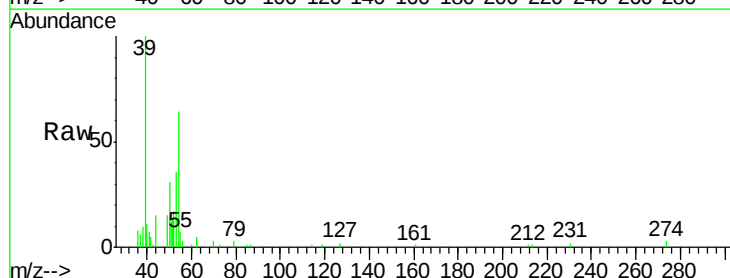
Manual Integrations
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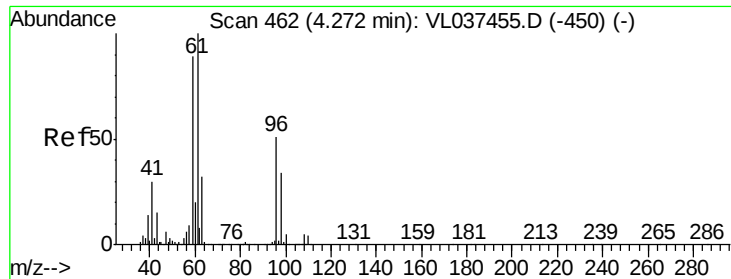
MMDadoda
8/19/2021 5:59:52 PM



#16
1,3-Butadiene
Concen: 0.463 ppbv m
RT: 3.33 min Scan# 168
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion: 39 Resp: 40633
Ion Ratio Lower Upper
39 100
54 74.1 63.7 95.5





#17

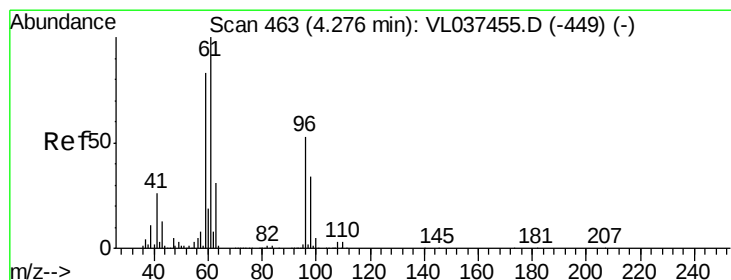
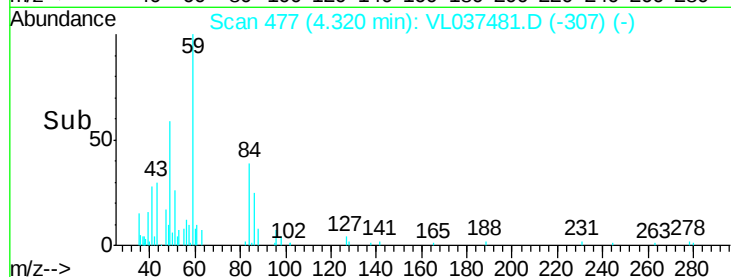
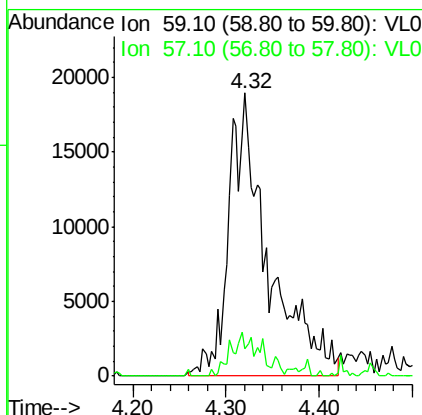
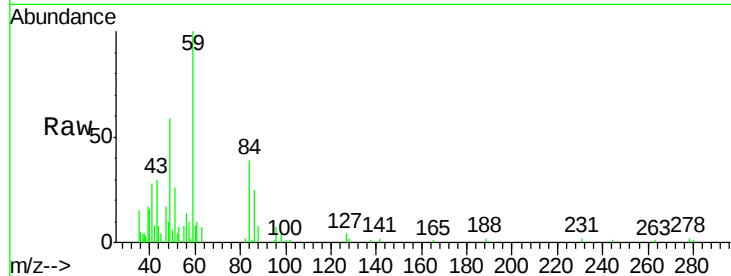
tert-Butyl alcohol
Concen: 0.442 ppbv m
RT: 4.32 min Scan# 477
Delta R.T. 0.05 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

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

Manual Integrations
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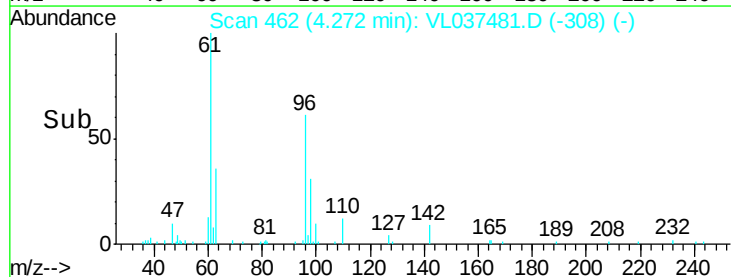
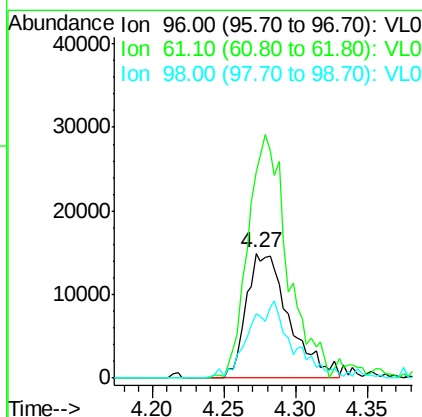
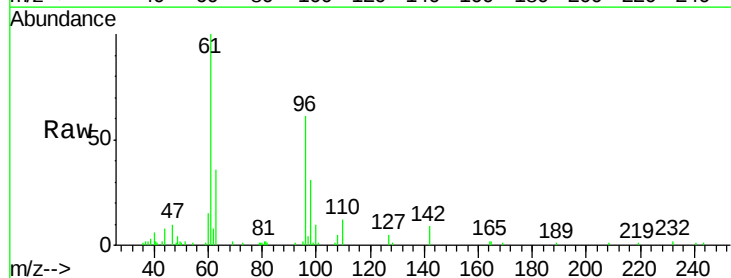
MMDadoda
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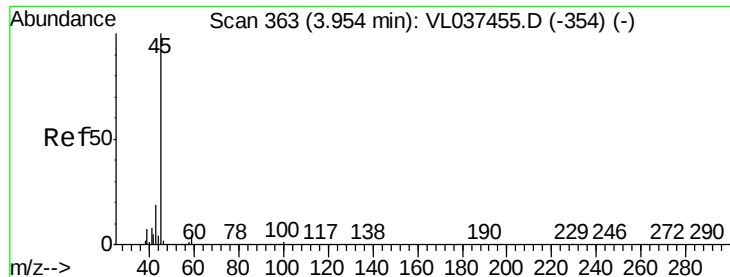


#18

1,1-Dichloroethene
Concen: 0.456 ppbv m
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.1	151.1	226.7
98	51.7	51.8	77.8#





#19

Isopropyl Alcohol

Concen: 0.450 ppbv m

RT: 3.99 min Scan# 375

Delta R.T. 0.04 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 45 Resp: 35257

Ion Ratio Lower Upper

45 100

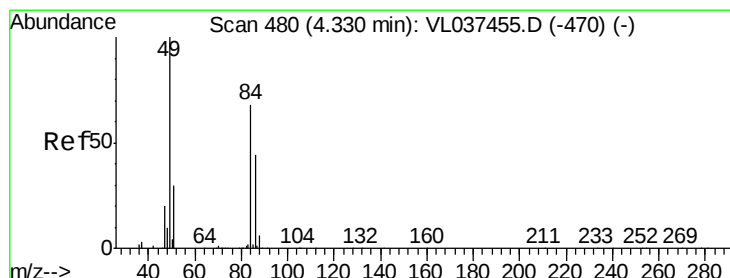
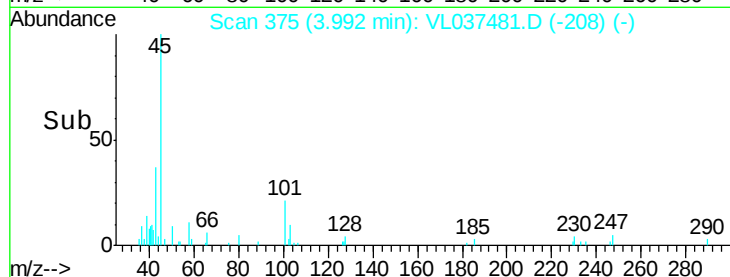
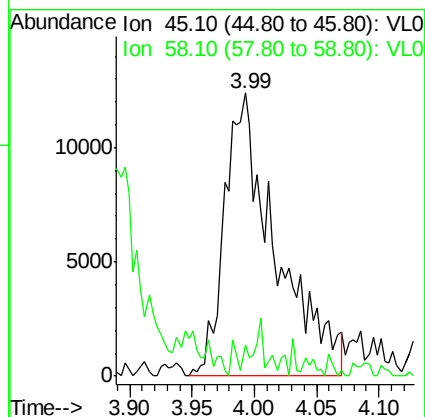
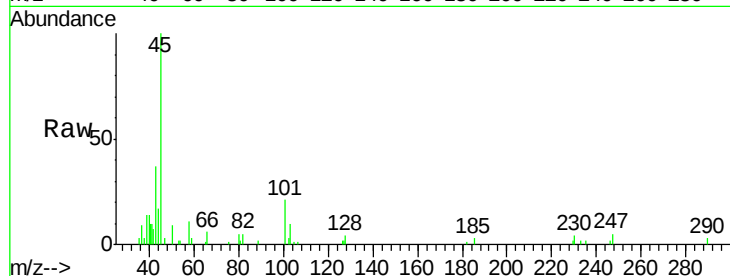
58 6.7 1.4 2.2#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.539 ppbv m

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Tgt Ion: 84 Resp: 36944

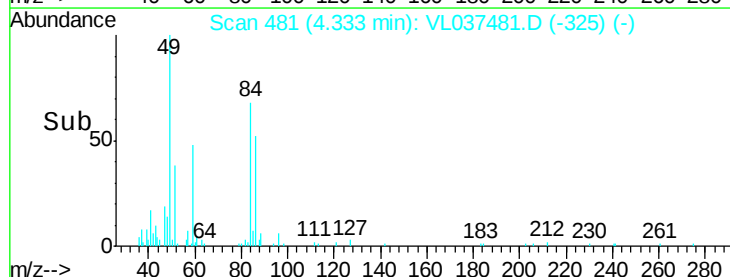
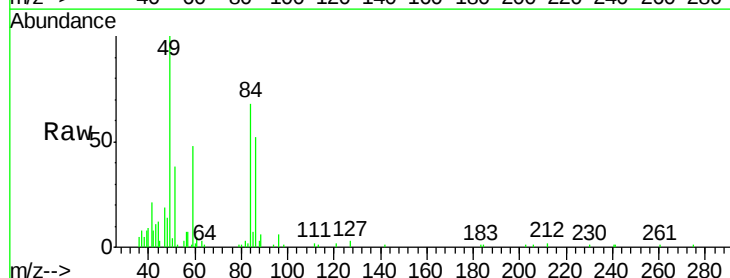
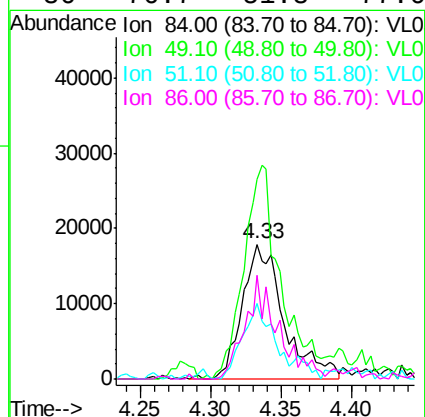
Ion Ratio Lower Upper

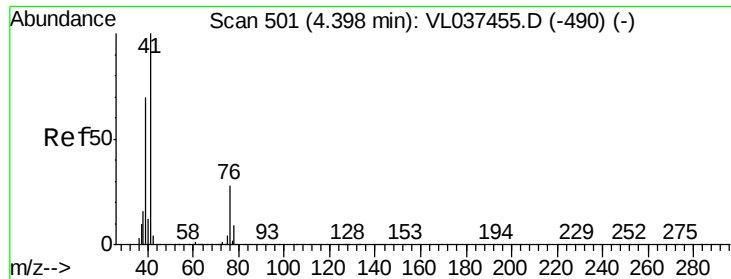
84 100

49 147.7 118.2 177.2

51 55.8 36.6 55.0#

86 76.7 51.8 77.6





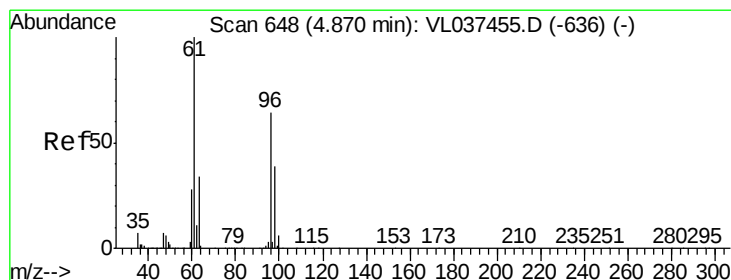
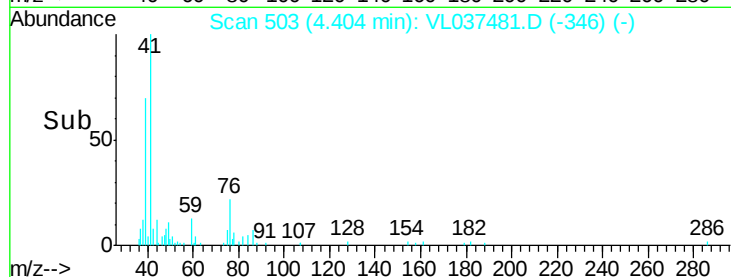
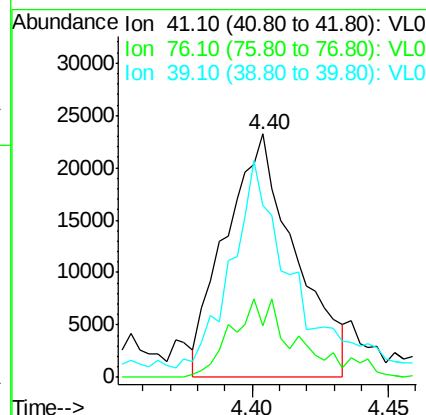
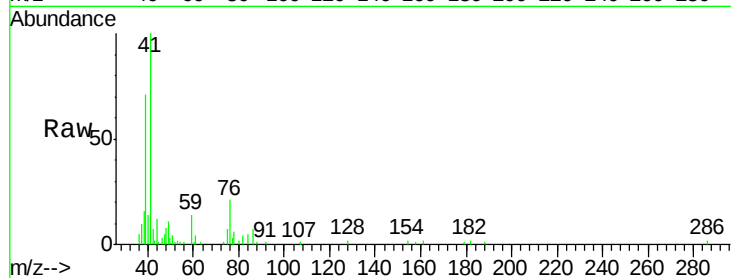
#21
Allvl Chloride
Concen: 0.369 ppbv
RT: 4.40 min Scan# 503
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.6	21.8	32.6
39	85.3	56.8	85.2#

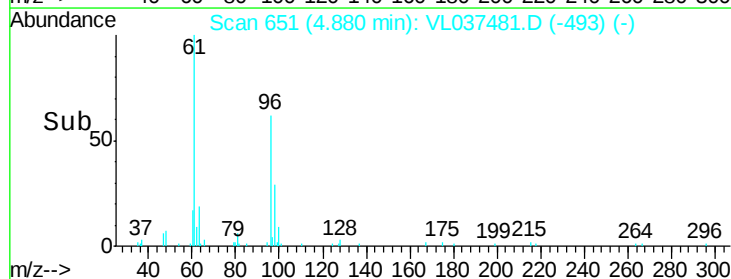
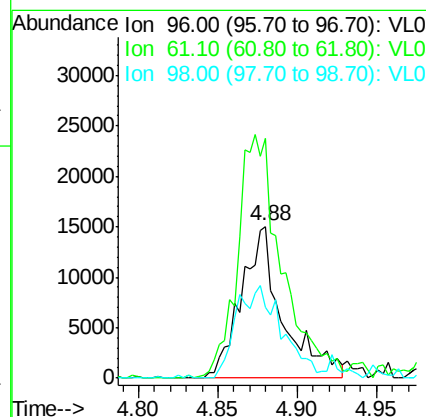
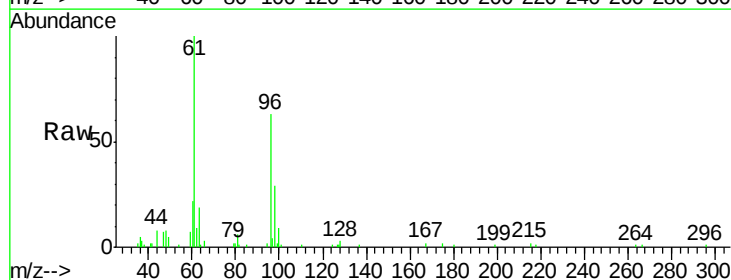
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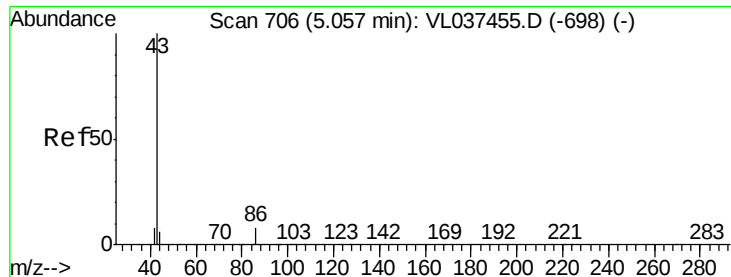
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#22
trans-1,2-Dichloroethene
Concen: 0.405 ppbv m
RT: 4.88 min Scan# 651
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	125.5	188.3
98	46.3	49.0	73.4#





#23

Vinyl Acetate

Concen: 0.378 ppbv m

RT: 5.07 min Scan# 711

Delta R.T. 0.02 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

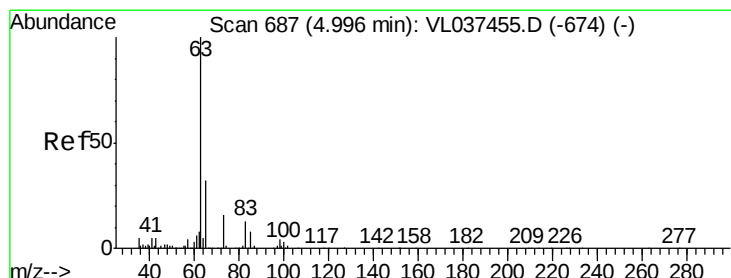
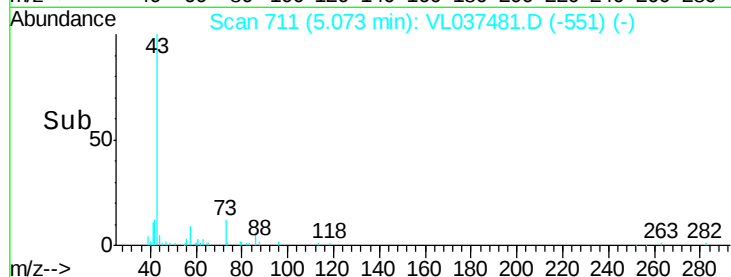
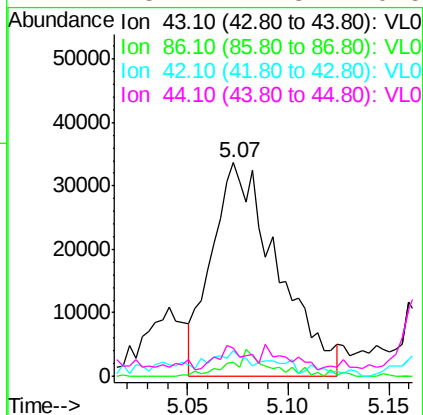
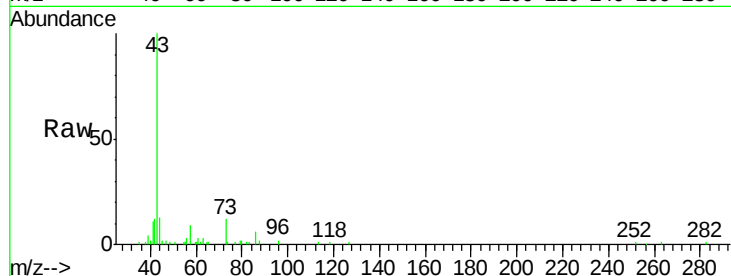
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.7	8.5
42	11.8	7.4	11.2#
44	13.1	4.3	6.5#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.495 ppbv m

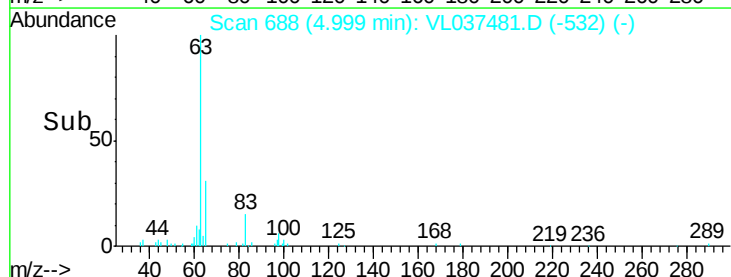
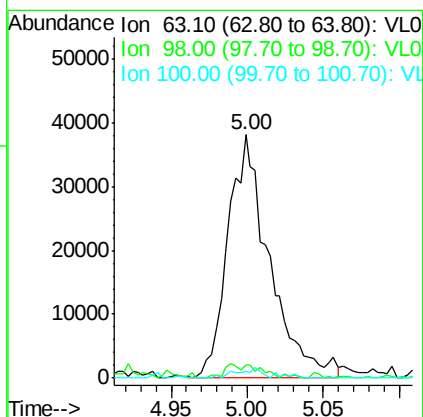
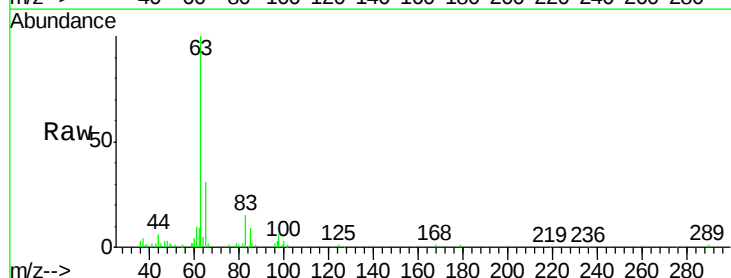
RT: 5.00 min Scan# 688

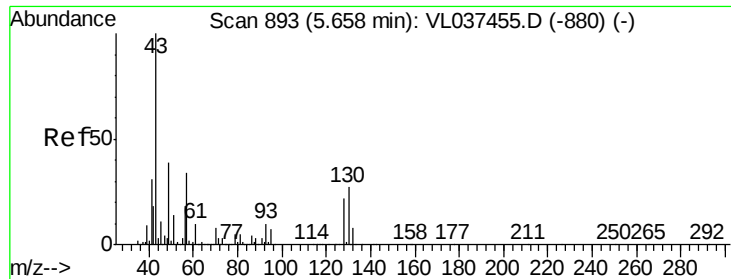
Delta R.T. 0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.1	6.3
100	2.6	1.6	4.7





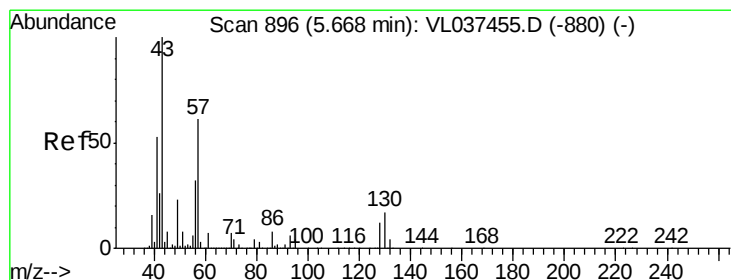
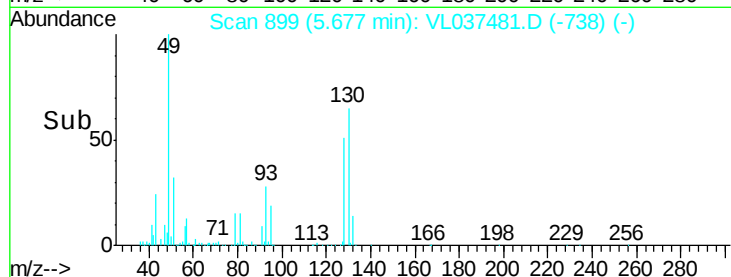
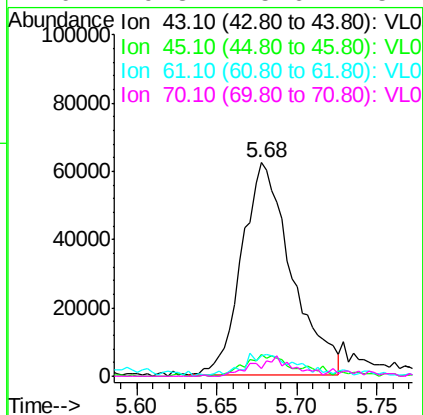
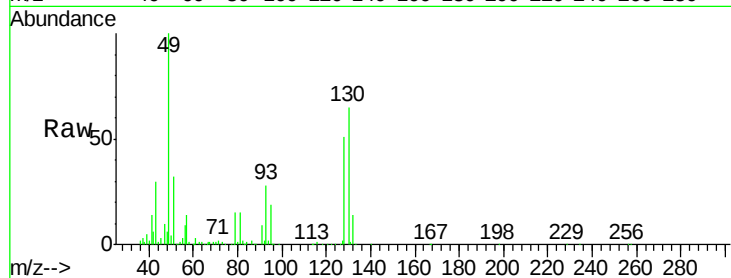
#25
Ethyl Acetate
Concen: 0.381 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.02 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
45	11.2	8.0	12.0	
61	13.2	8.0	12.0	
70	9.3	5.6	8.4	

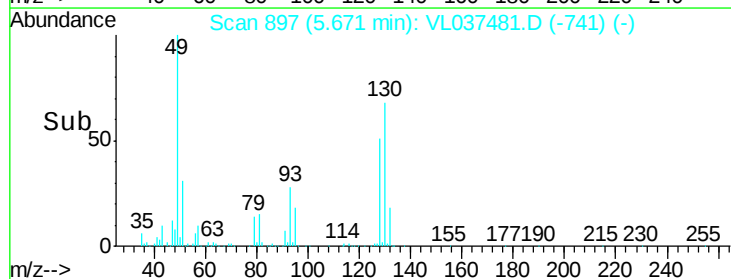
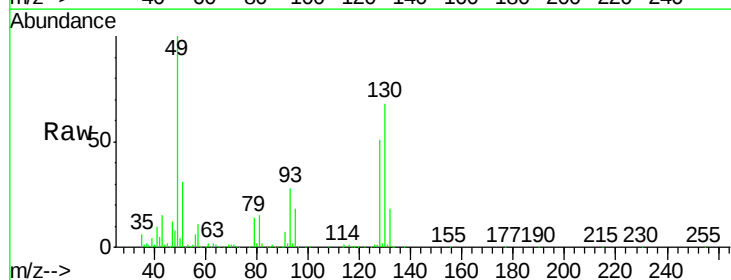
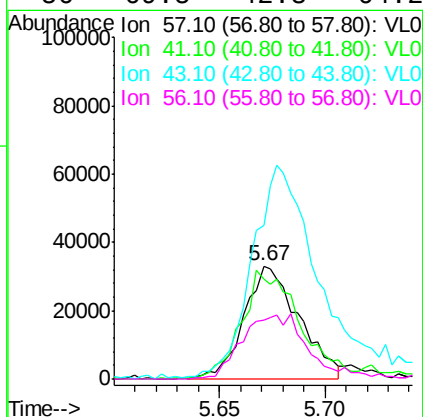
Manual Integrations
APPROVED

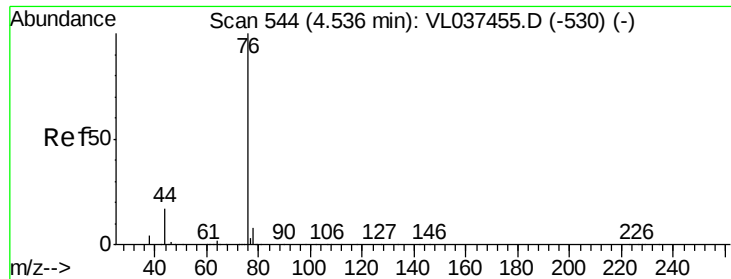
MMDadoda
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#26
Hexane
Concen: 0.354 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	112.2	72.3	108.5	
43	244.2	172.3	258.5	
56	69.5	42.8	64.2	





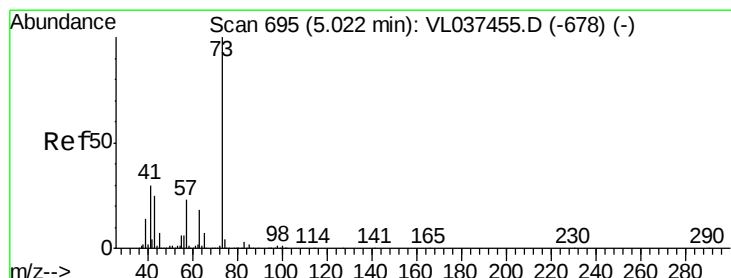
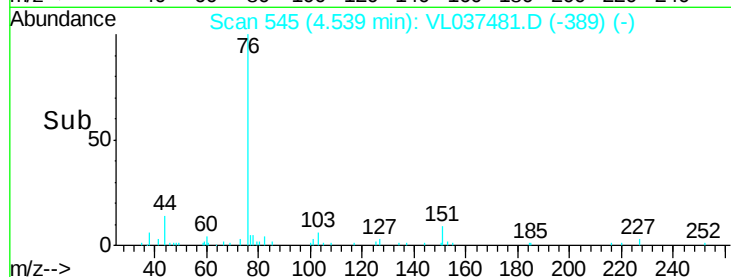
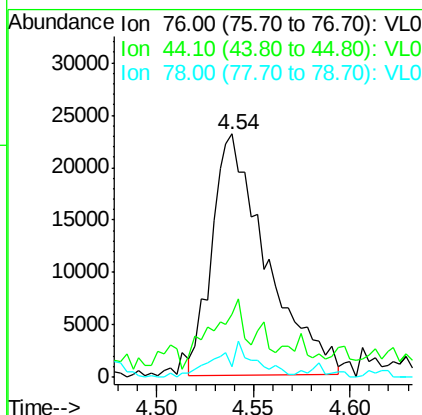
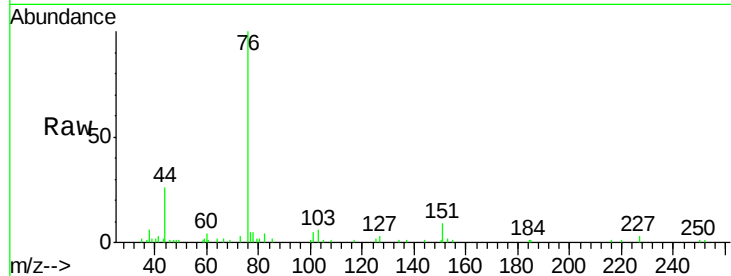
#27
Carbon Disulfide
Concen: 0.300 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
76	100		
44	29.8	13.9	20.9#
78	12.5	7.9	11.9#

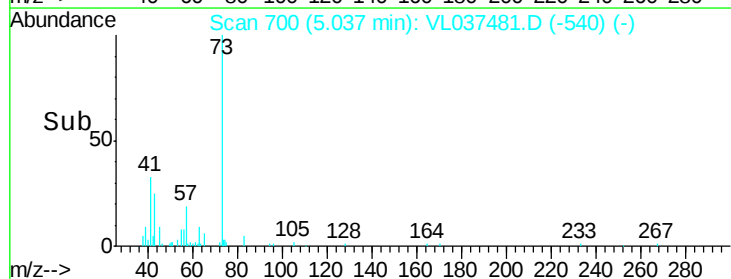
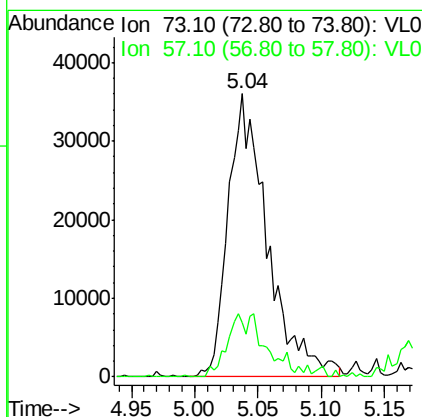
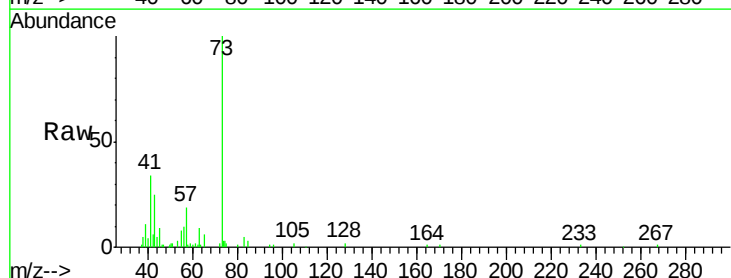
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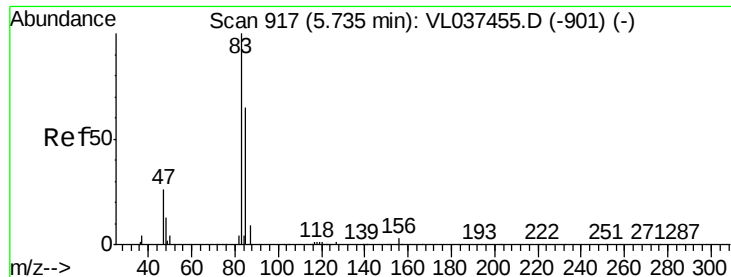
MMDadoda
8/19/2021 5:59:52 PM



#28
Methyl tert-Butyl Ether
Concen: 0.477 ppbv m
RT: 5.04 min Scan# 700
Delta R.T. 0.02 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

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





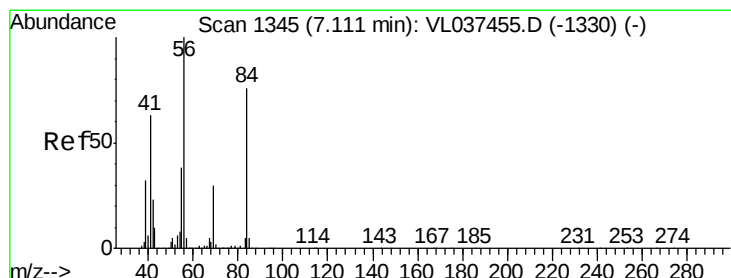
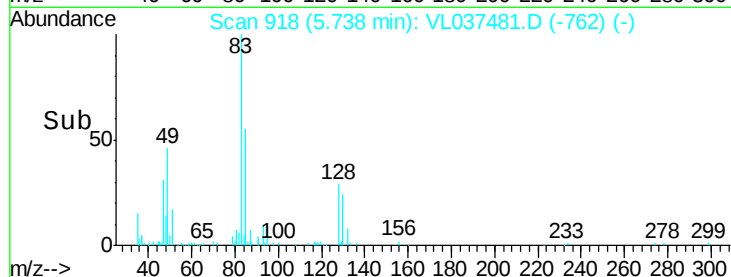
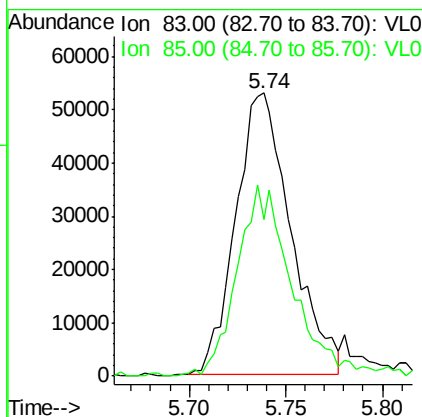
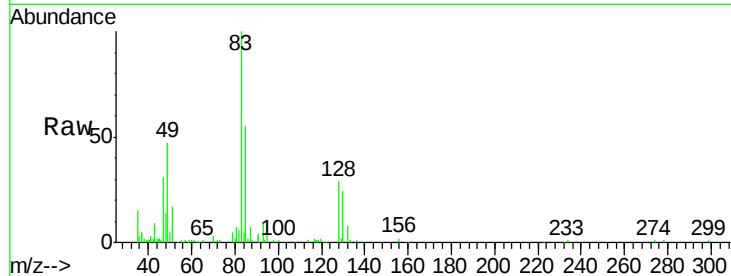
#29
Chloroform
Concen: 0.436 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion: 83 Resp: 105063
Ion Ratio Lower Upper
83 100
85 54.1 52.3 78.5

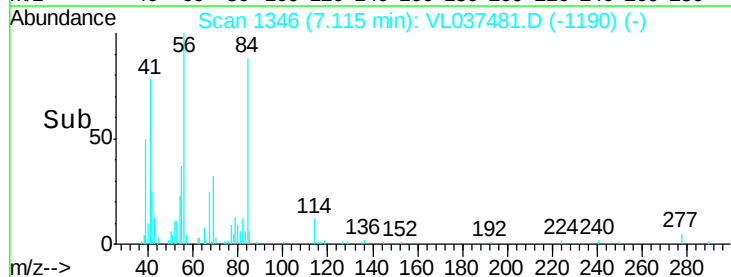
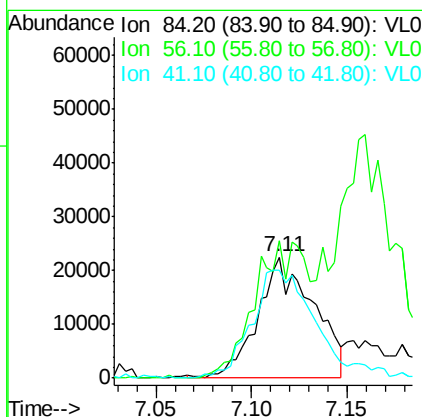
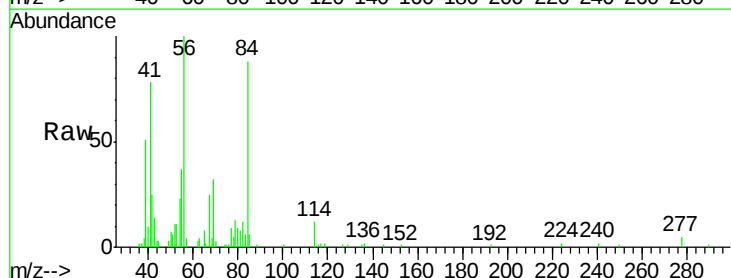
Manual Integrations
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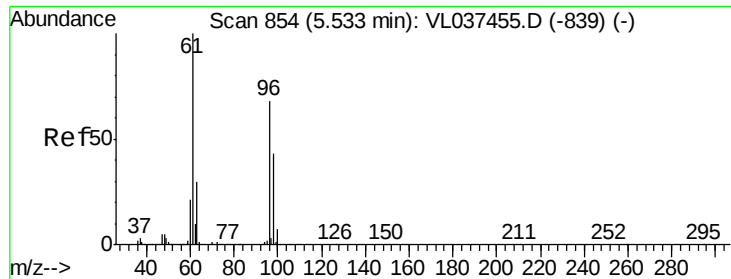
MMDadoda
8/19/2021 5:59:52 PM



#30
Cyclohexane
Concen: 0.323 ppbv m
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion: 84 Resp: 45684
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 67.0 100.6#





#31

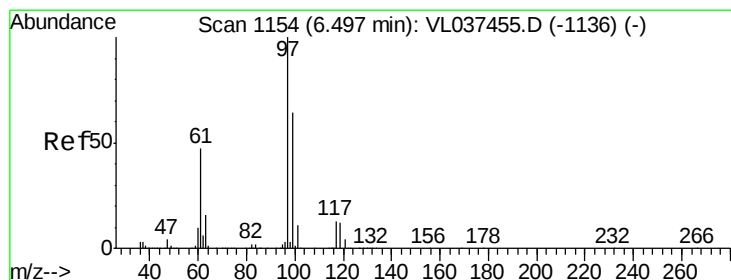
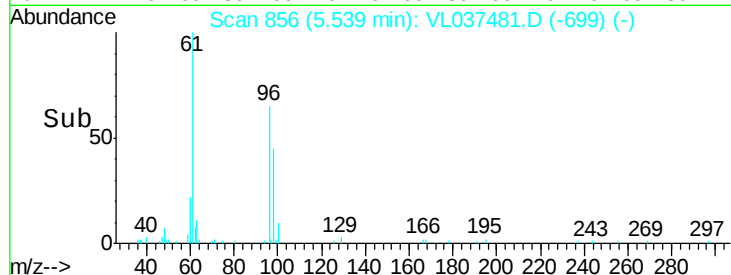
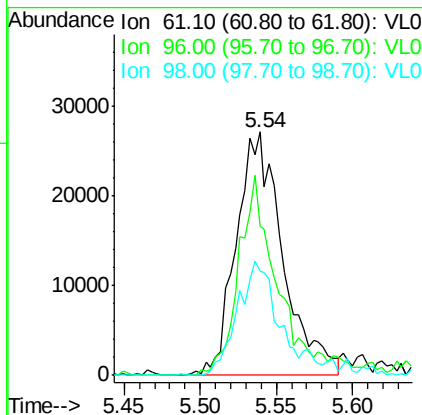
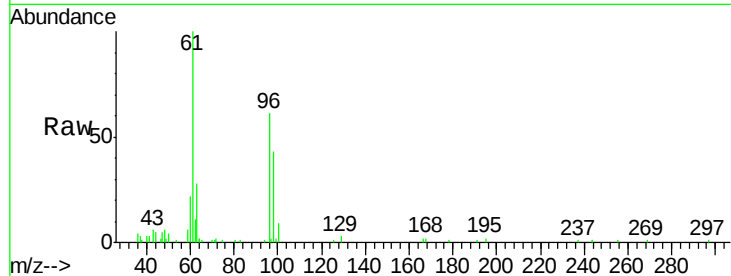
cis-1,2-Dichloroethene
Concen: 0.376 ppbv m
RT: 5.54 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
61	100	57848		
96	61.1		54.8	82.2
98	42.8		34.2	51.2

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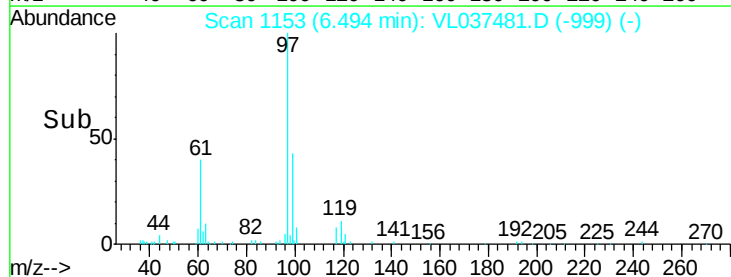
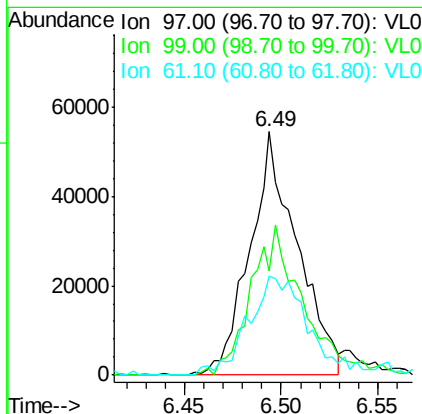
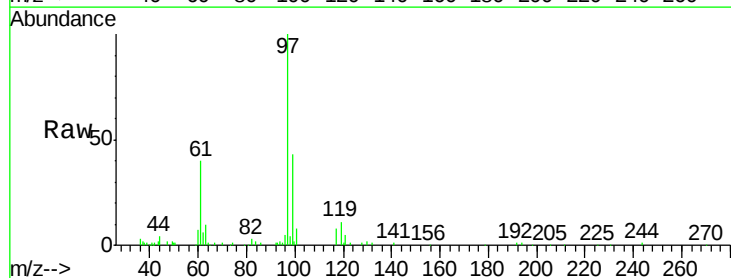
MMDadoda
8/19/2021 5:59:52 PM

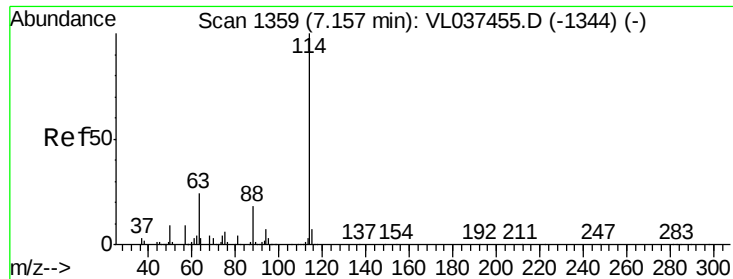


#32

1,1,1-Trichloroethane
Concen: 0.393 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	93049		
99	69.1		51.8	77.6
61	50.8		39.6	59.4





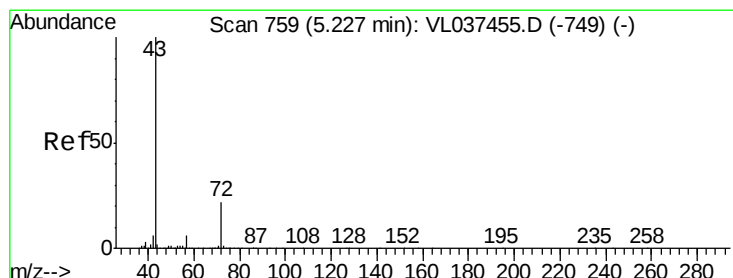
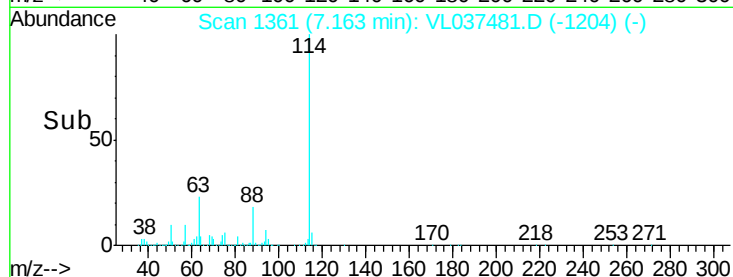
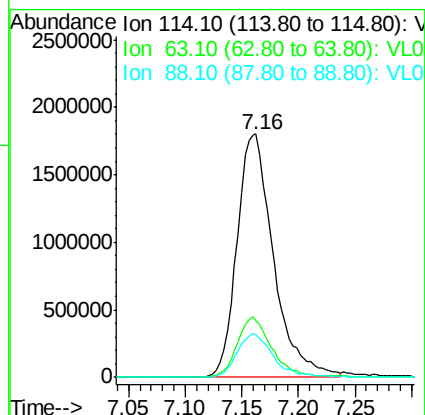
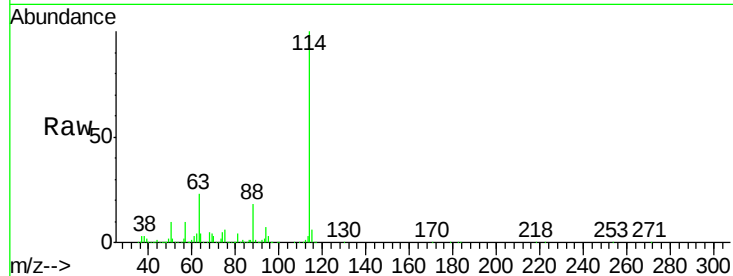
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	17.8	14.2	21.4

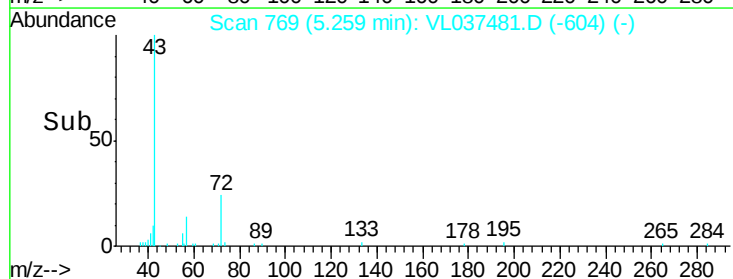
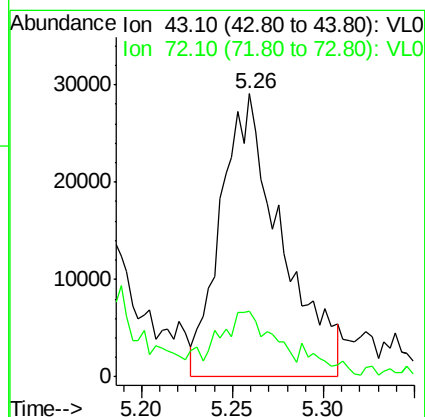
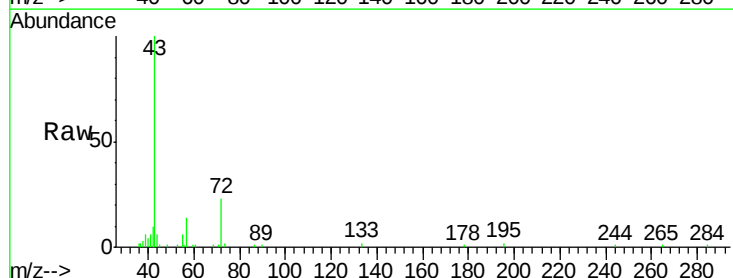
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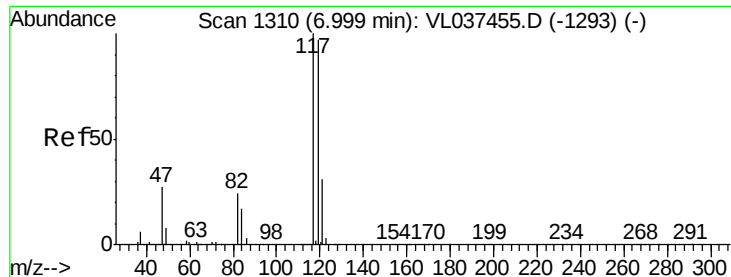
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#34
 2-Butanone
 Concen: 0.405 ppbv m
 RT: 5.26 min Scan# 769
 Delta R.T. 0.03 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.4	26.0#





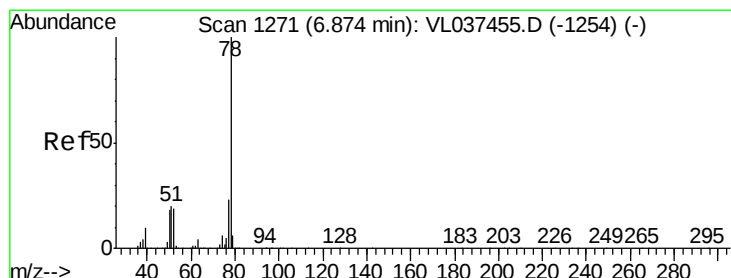
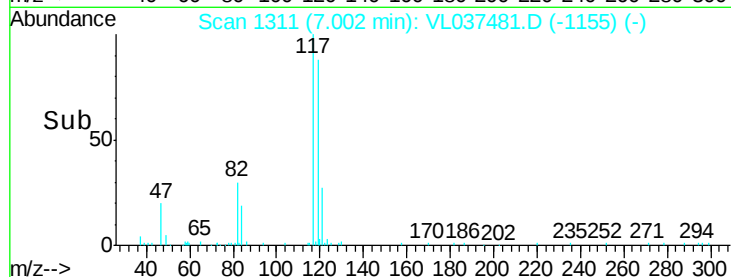
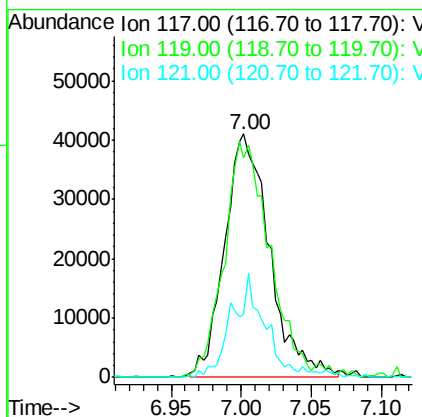
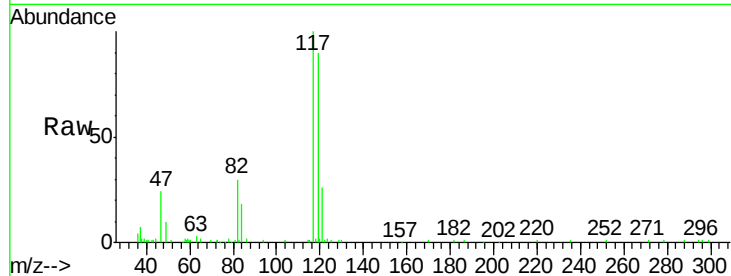
#35
Carbon Tetrachloride
Concen: 0.383 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.0	77.3	115.9
121	26.0	25.2	37.8

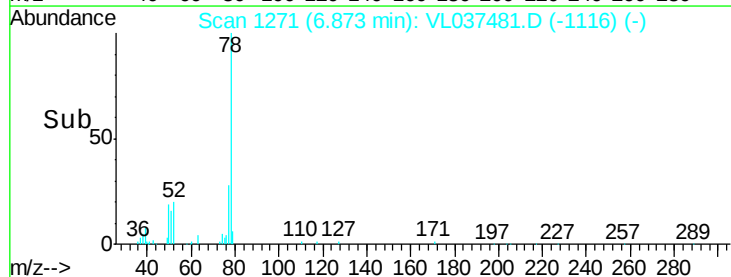
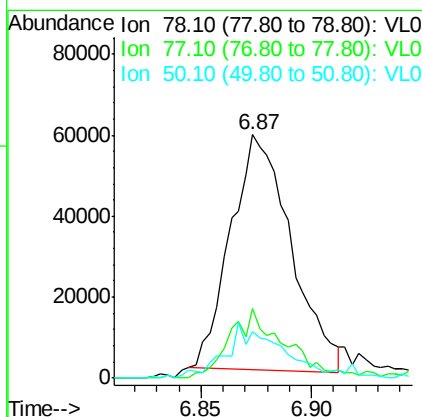
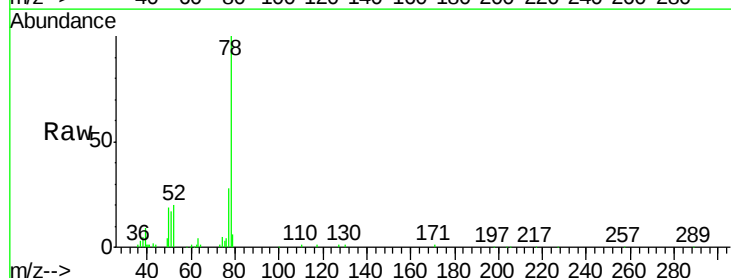
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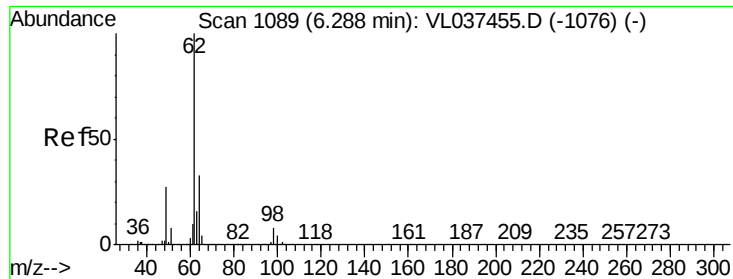
MMDadoda
8/19/2021 5:59:52 PM



#36
Benzene
Concen: 0.324 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.6	18.2	27.4#
50	16.4	14.6	21.8





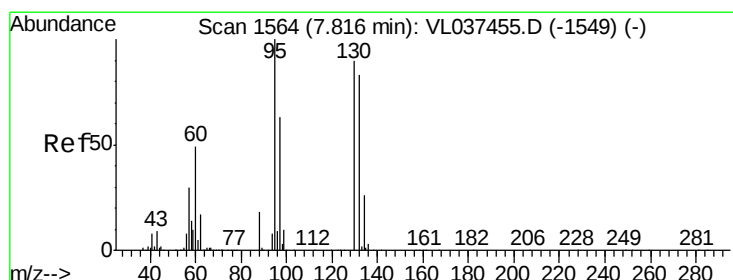
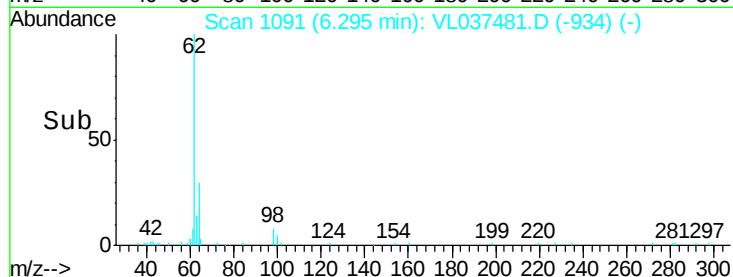
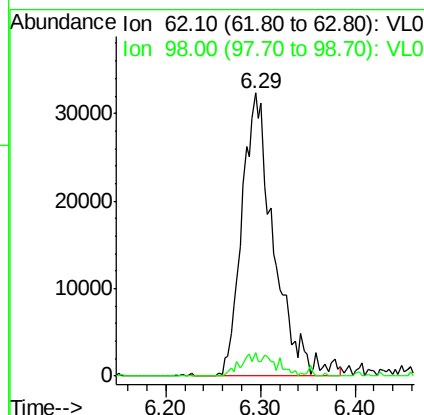
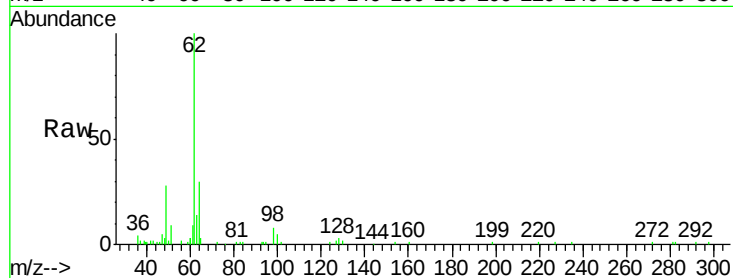
#37
1,2-Dichloroethane
Concen: 0.449 ppbv m
RT: 6.29 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
62	100	75709		
98	8.2	6.0	9.0	

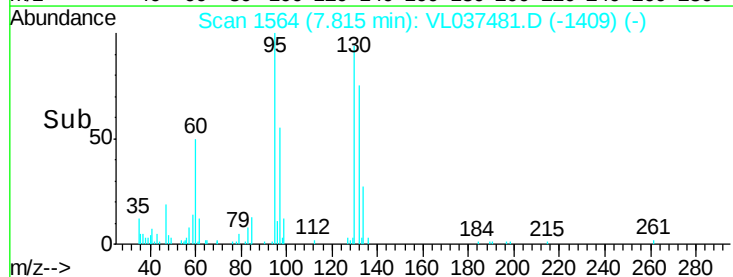
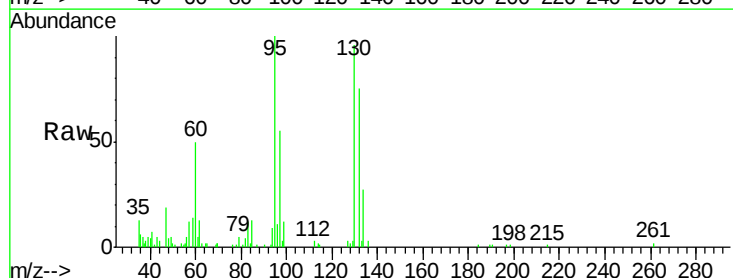
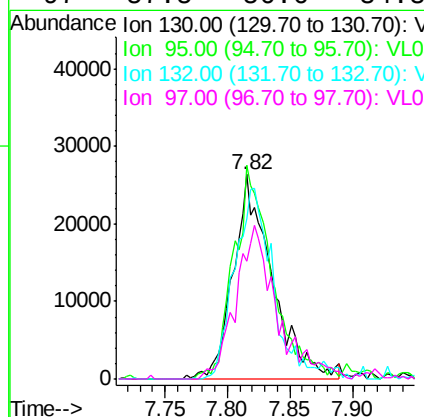
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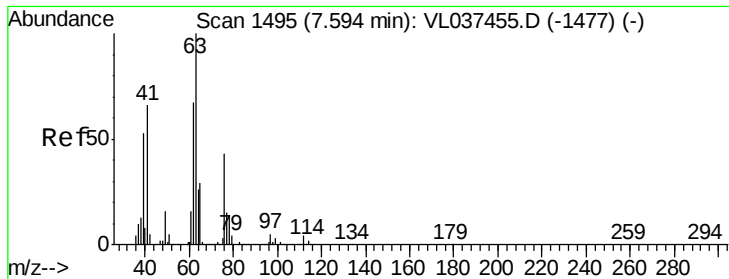
MMDadoda
8/19/2021 5:59:52 PM



#38
Trichloroethene
Concen: 0.406 ppbv m
RT: 7.82 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	56657		
95	104.5	89.2	133.8	
132	78.1	74.0	111.0	
97	57.5	56.6	84.8	





#39

1,2-Dichloropropane

Concen: 0.414 ppbv m

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

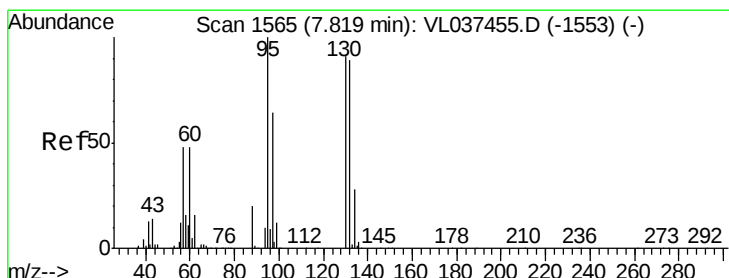
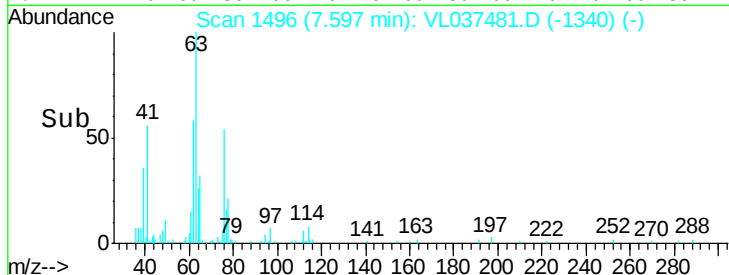
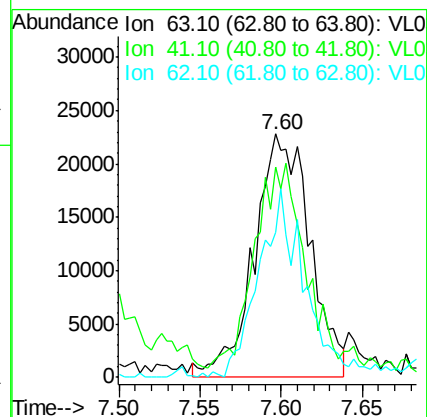
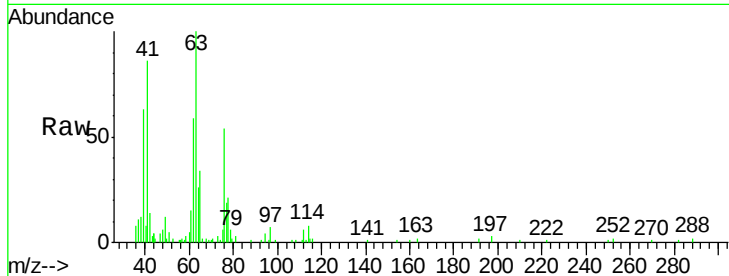
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:	63	Resp:	54134
Ion Ratio	Lower	Upper	
63	100		
41	86.5	52.4	78.6#
62	59.5	53.6	80.4

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#40

1,4-Dioxane

Concen: 0.424 ppbv m

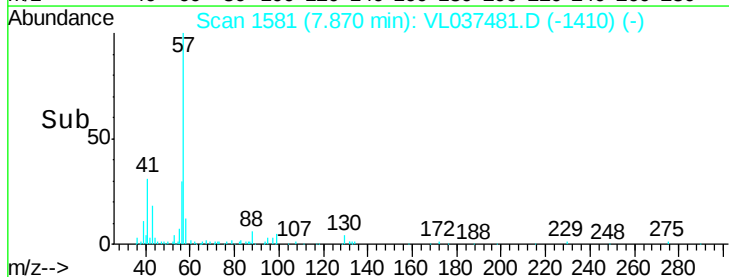
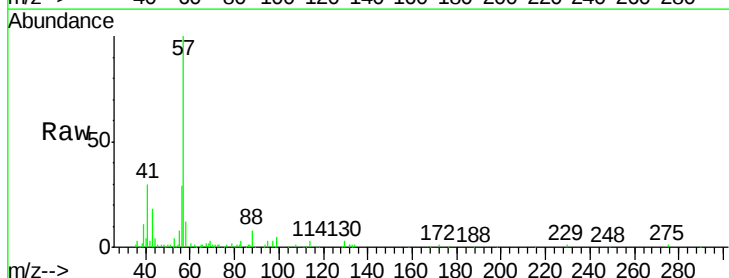
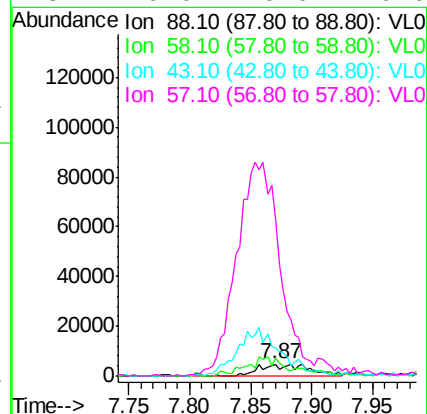
RT: 7.87 min Scan# 1581

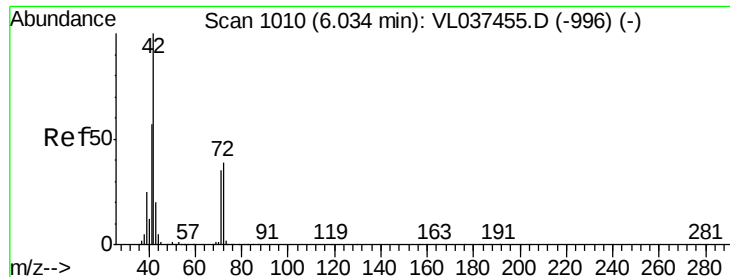
Delta R.T. 0.05 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Tgt Ion:	88	Resp:	13578
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

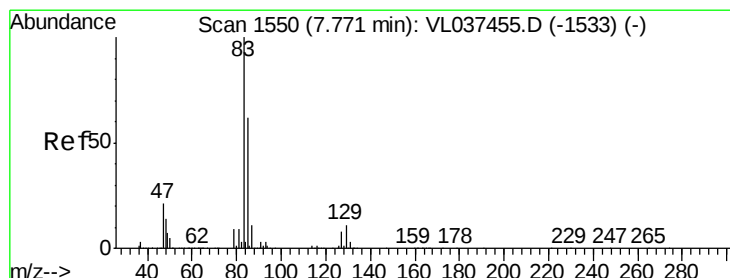
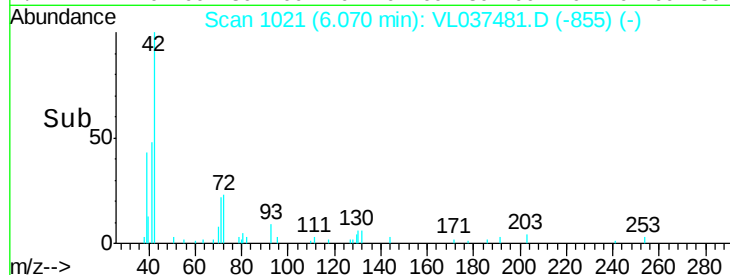
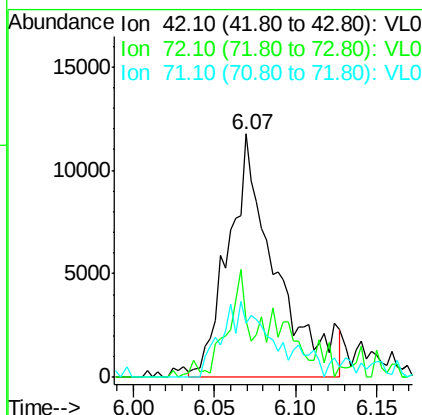
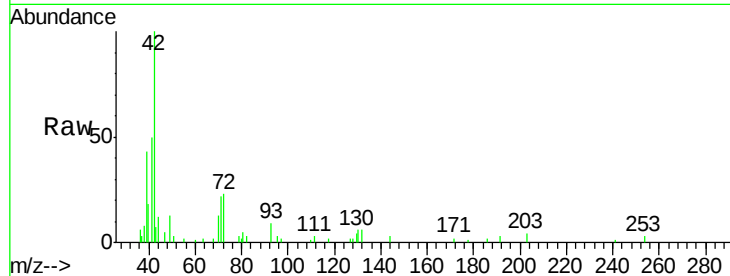
Concen: 0.299 ppbv m
RT: 6.07 min Scan# 1021
Delta R.T. 0.04 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-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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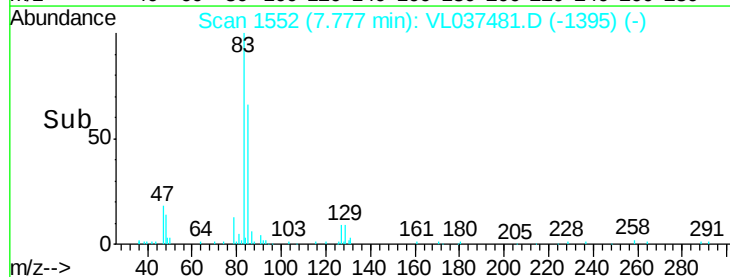
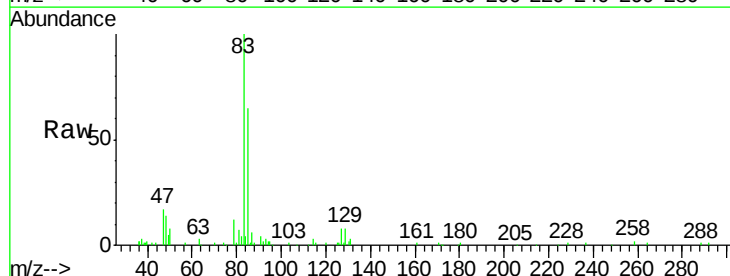
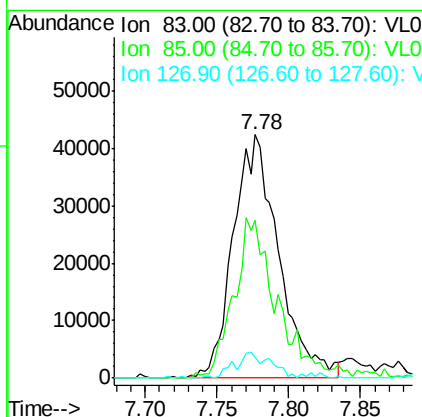


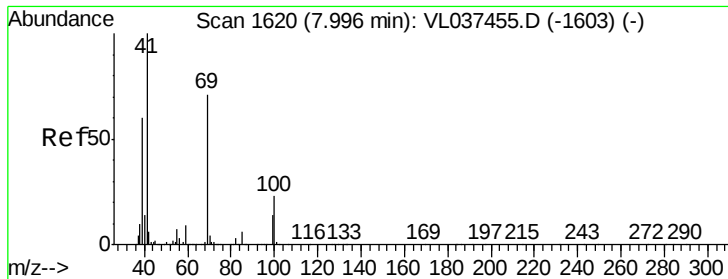
#42

Bromodichloromethane

Concen: 0.379 ppbv m
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.5	74.3
127	8.5	6.3	9.5





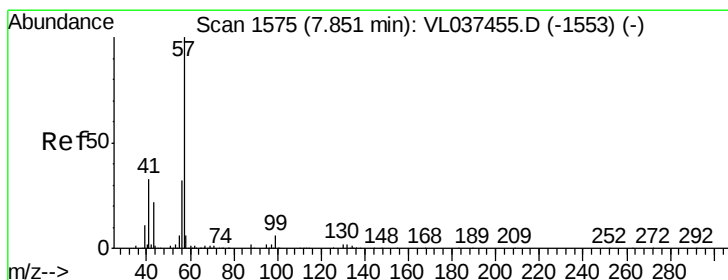
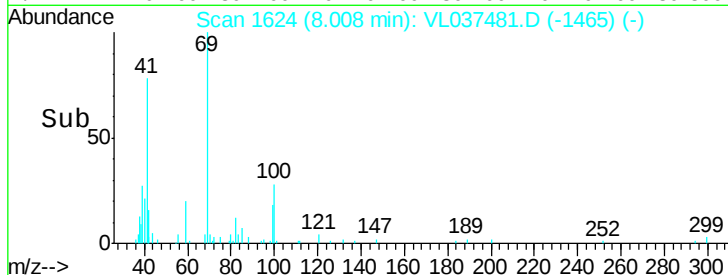
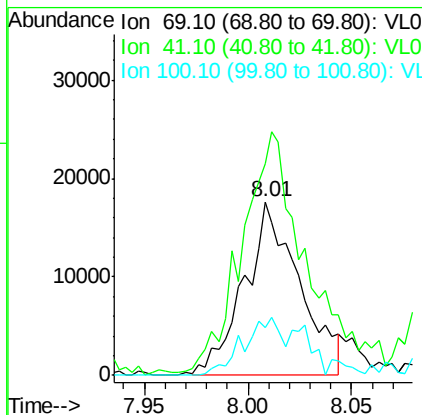
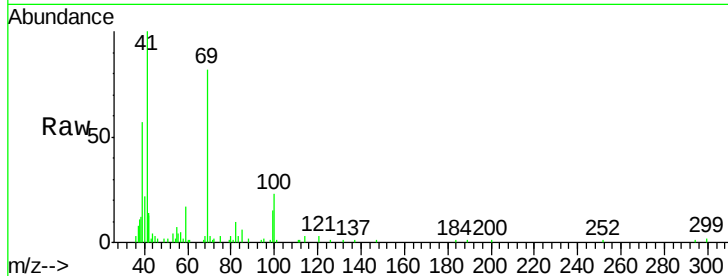
#43
Methvl Methacrylate
Concen: 0.277 ppbv m
RT: 8.01 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		32841		
41	0.0	118.6	178.0#		
100	0.0	27.4	41.0#		

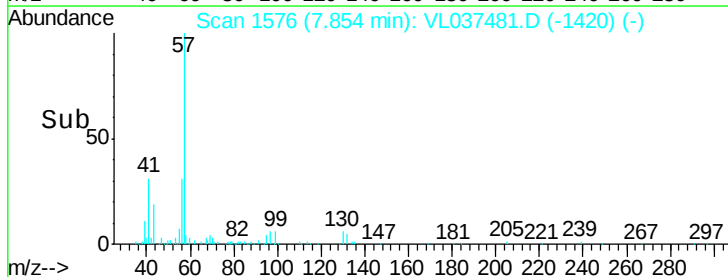
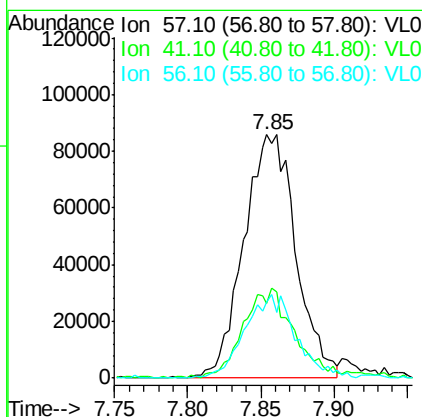
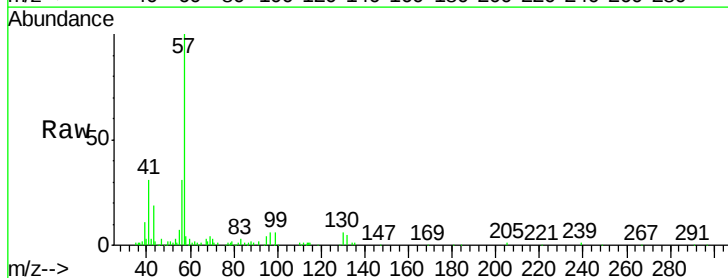
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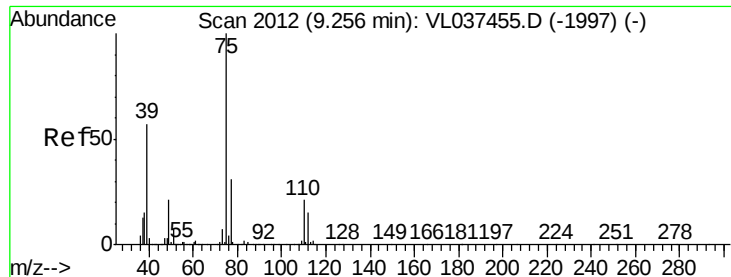
MMDadoda
8/19/2021 5:59:52 PM



#44
2,2,4-Trimethylpentane
Concen: 0.369 ppbv m
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		211556		
41	38.7	26.2	39.4		
56	34.3	25.4	38.2		





#45

t-1,3-Dichloropropene

Concen: 0.272 ppbv m

RT: 9.27 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 75 Resp: 24277

Ion Ratio Lower Upper

75 100

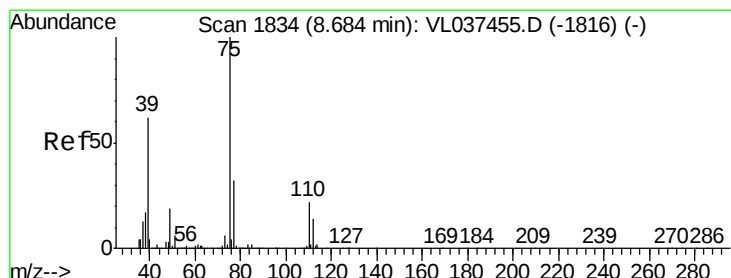
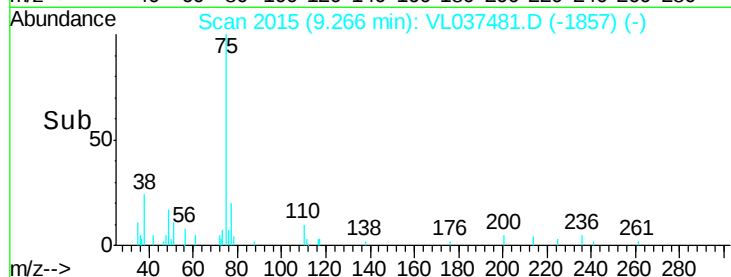
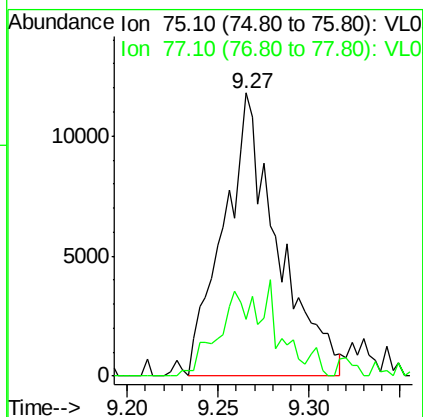
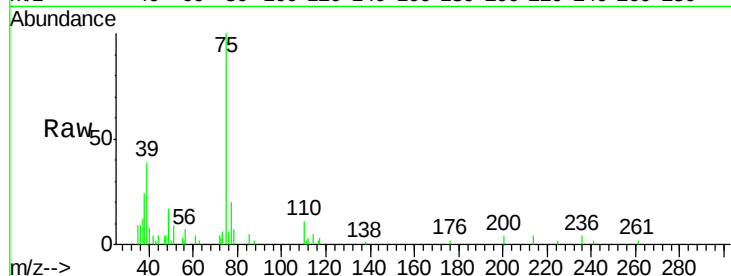
77 19.9 24.5 36.7#

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 0.276 ppbv m

RT: 8.69 min Scan# 1837

Delta R.T. 0.01 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

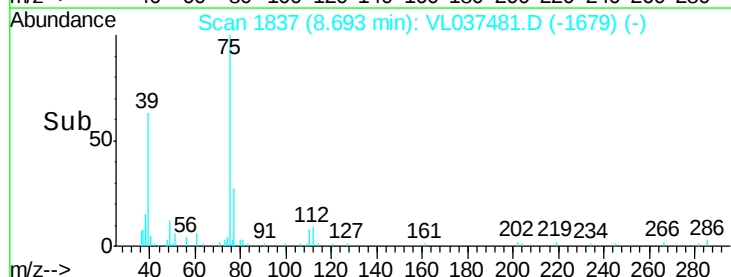
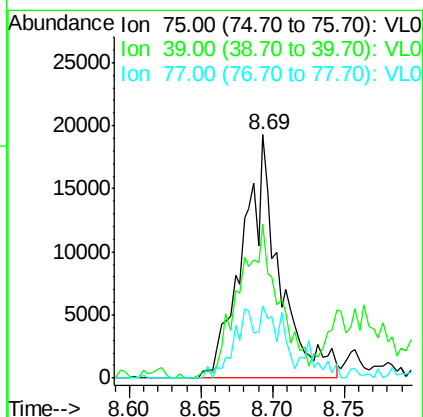
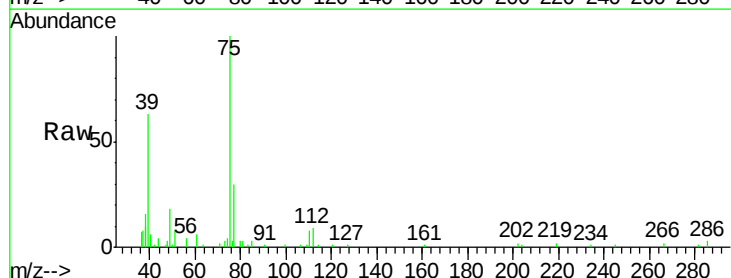
Tgt Ion: 75 Resp: 34401

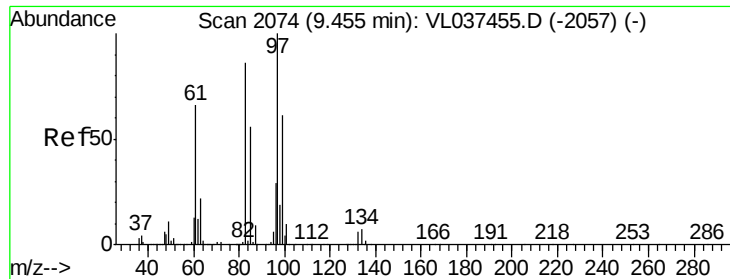
Ion Ratio Lower Upper

75 100

39 63.3 49.7 74.5

77 29.7 25.4 38.0





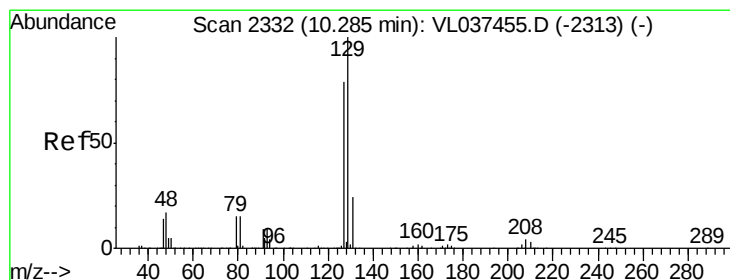
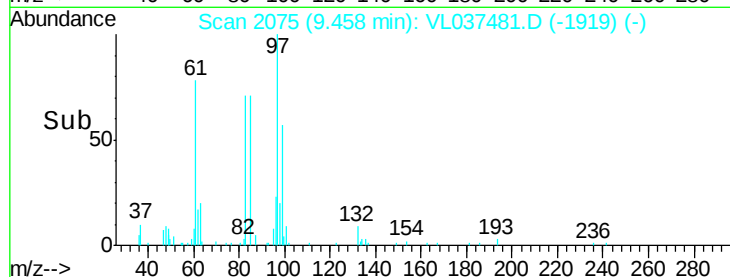
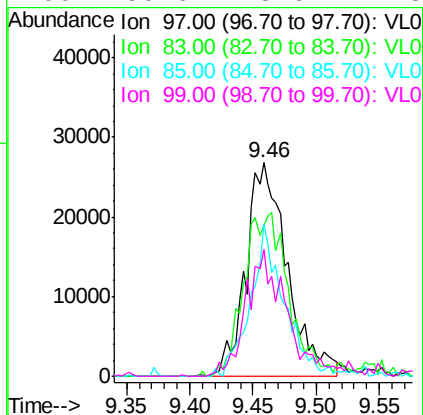
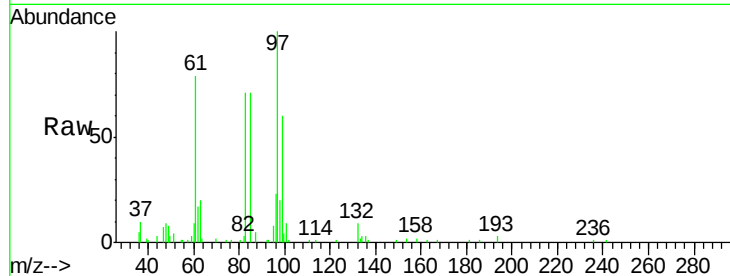
#47
 1,1,2-Trichloroethane
 Concen: 0.427 ppbv m
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
97	100		
83	70.6	68.7	103.1
85	71.2	44.7	67.1#
99	59.6	48.6	72.8

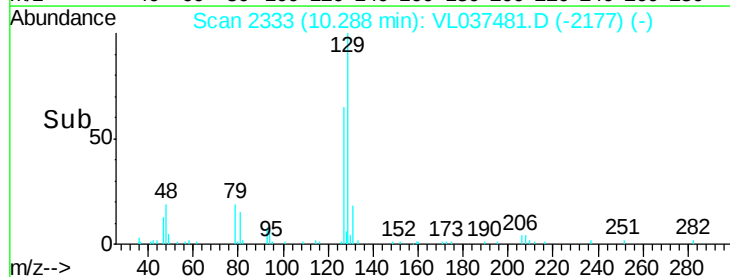
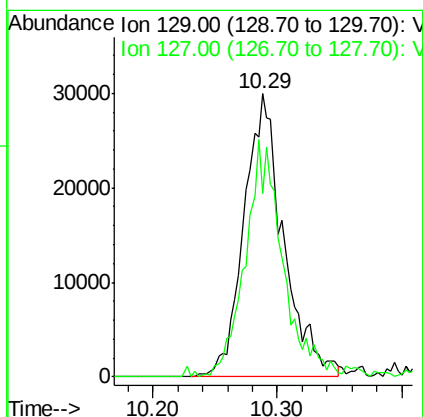
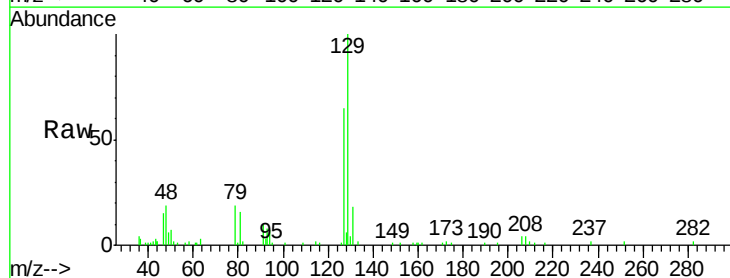
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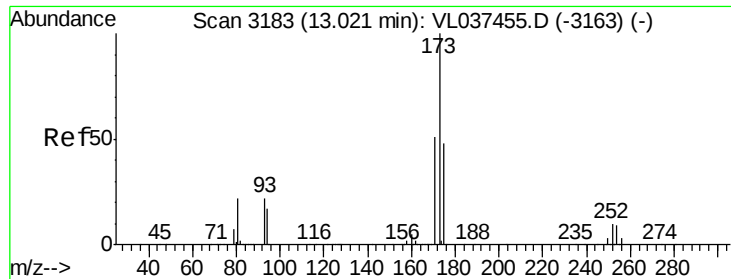
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.325 ppbv m
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.9	40.0	120.0





#49

Bromoform

Concen: 0.287 ppbv m

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

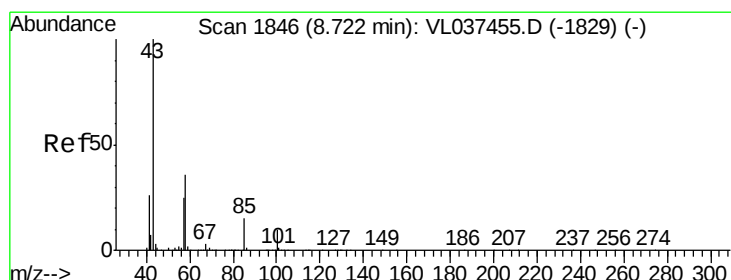
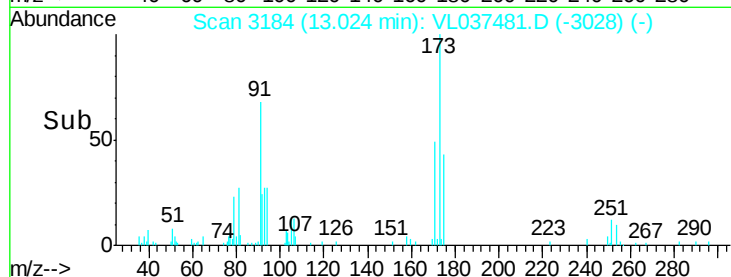
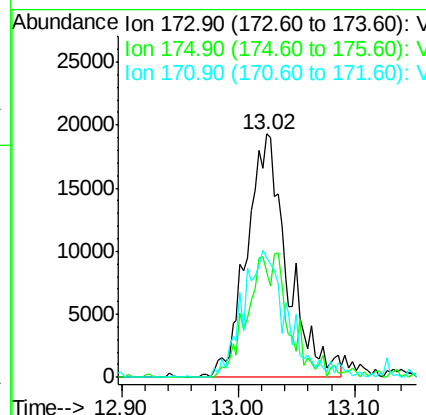
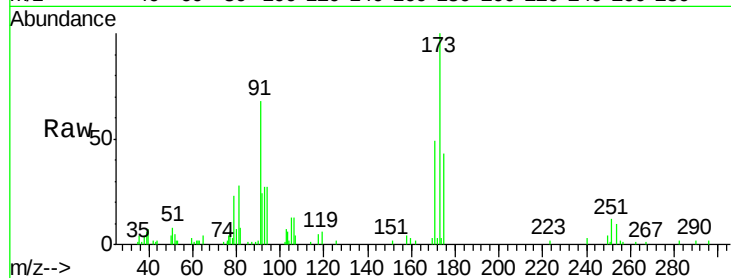
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:	173	Resp:	46037
Ion Ratio	Lower	Upper	
173	100		
175	53.0	41.9	62.9
171	57.8	44.2	66.4

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.323 ppbv m

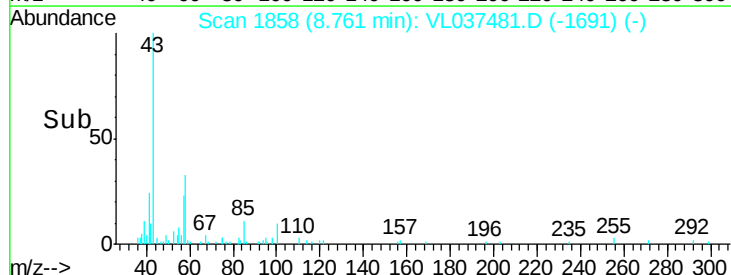
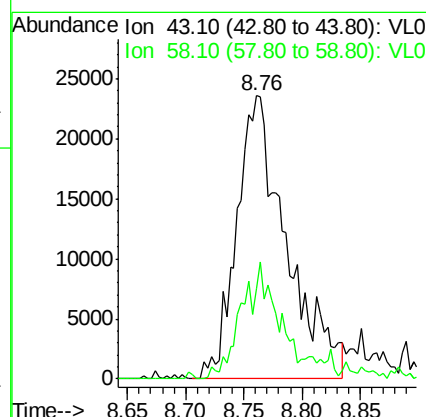
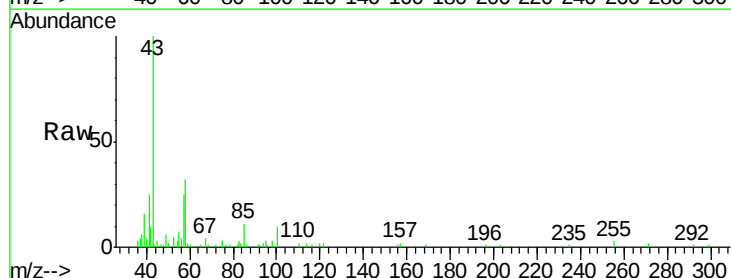
RT: 8.76 min Scan# 1858

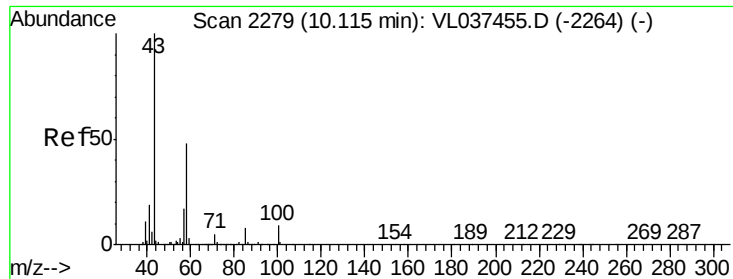
Delta R.T. 0.04 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Tgt Ion:	43	Resp:	69777
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.9	44.9#





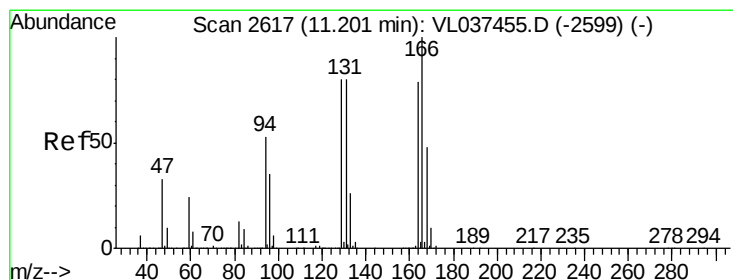
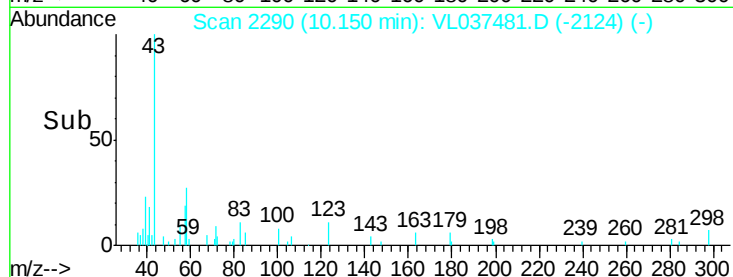
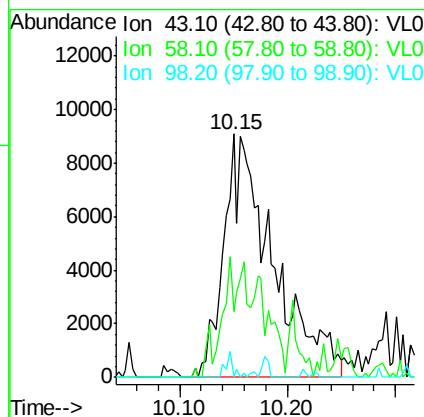
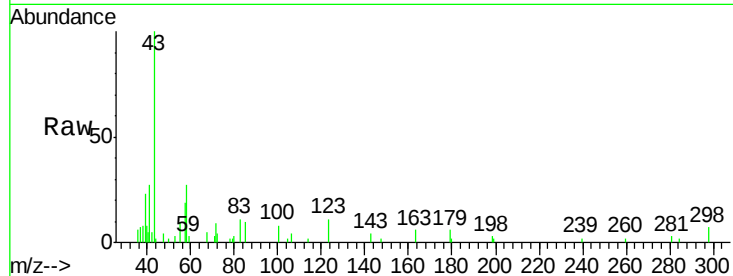
#51
2-Hexanone
Concen: 0.289 ppbv m
RT: 10.15 min Scan# 2290
Delta R.T. 0.04 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.0	61.6#
98	0.0	0.3	0.5#

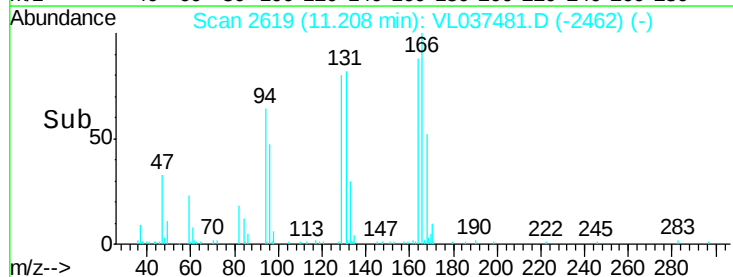
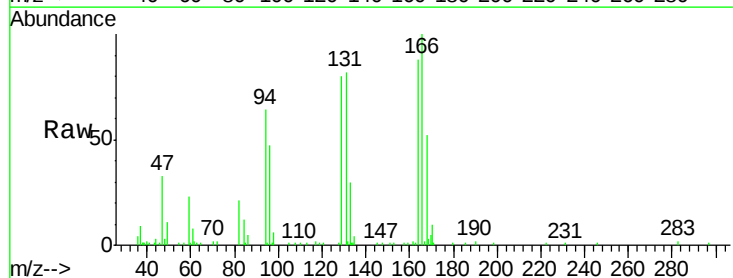
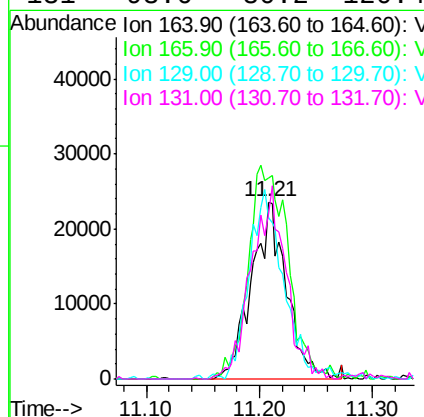
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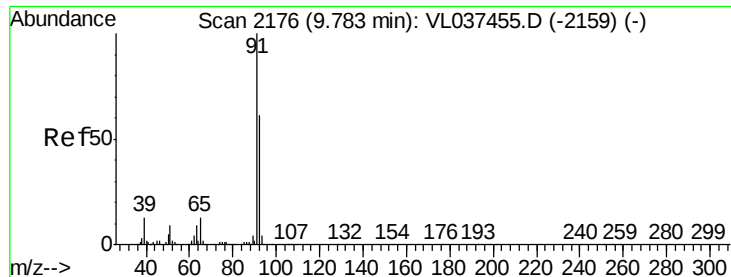
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#52
Tetrachloroethene
Concen: 0.366 ppbv m
RT: 11.21 min Scan# 2619
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.6	100.7	151.1
129	91.0	80.9	121.3
131	93.6	80.2	120.4





#53

Toluene

Concen: 0.306 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 91 Resp: 118881

Ion Ratio Lower Upper

91 100

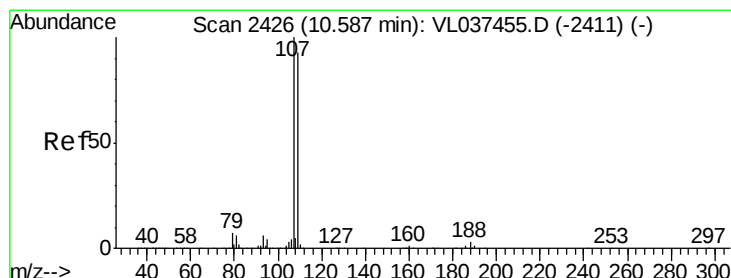
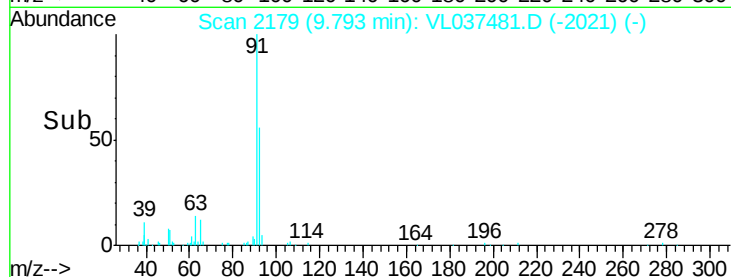
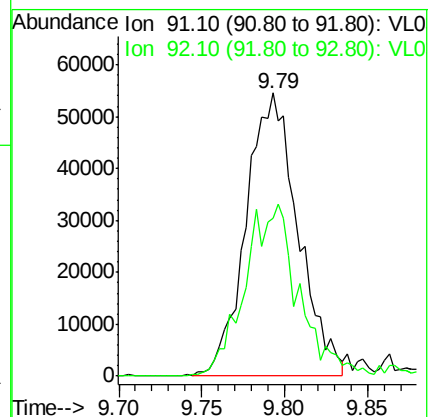
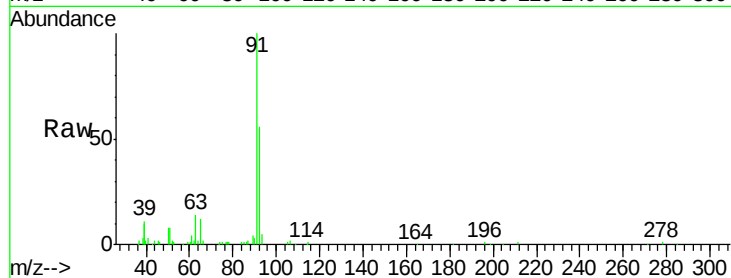
92 63.5 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 0.378 ppbv m

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037481.D

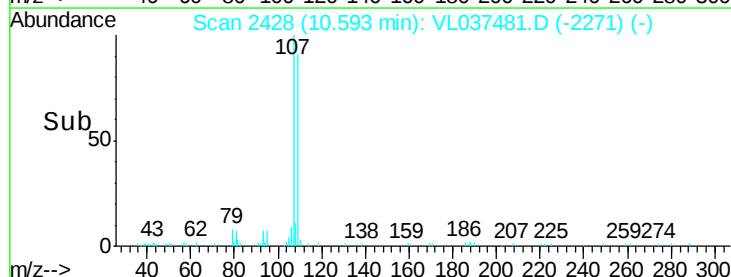
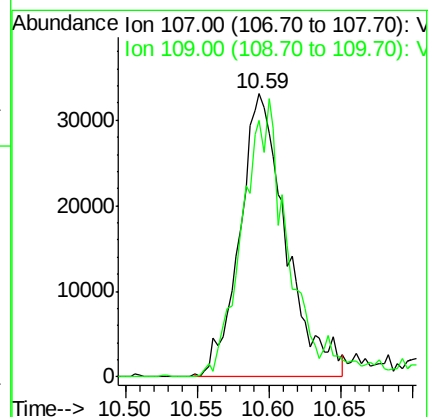
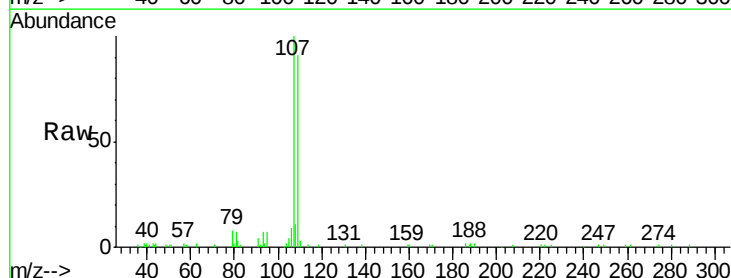
Acq: 17 Aug 2021 3:49

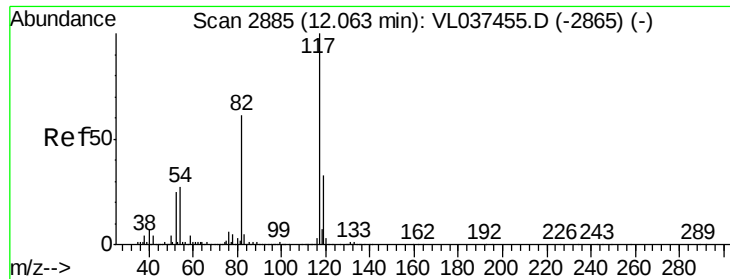
Tgt Ion: 107 Resp: 74567

Ion Ratio Lower Upper

107 100

109 90.7 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:117 Resp: 3566621

Ion Ratio Lower Upper

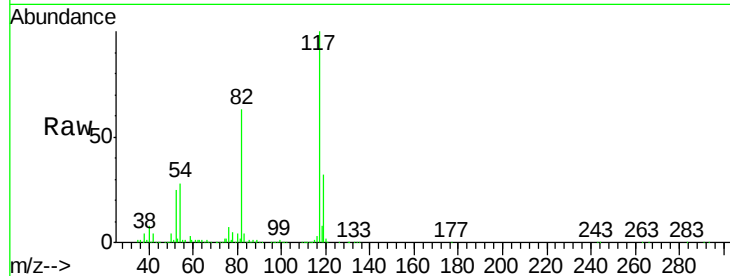
117 100

82 63.8 52.9 79.3

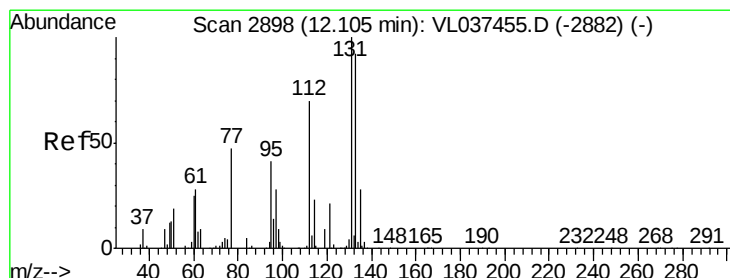
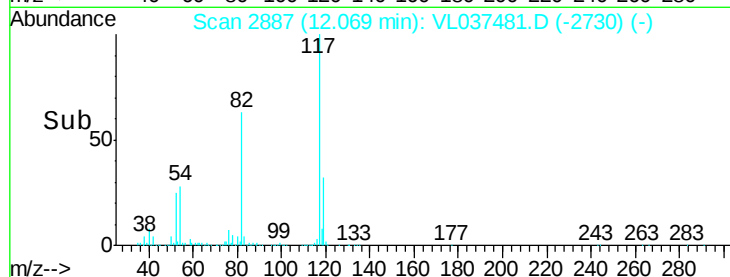
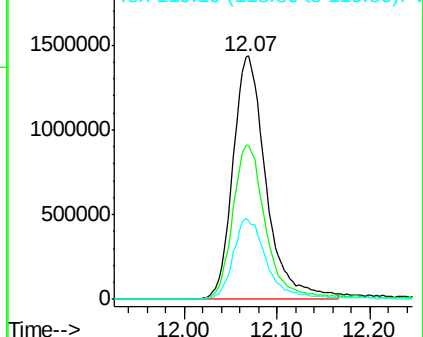
119 33.8 24.8 37.2

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.436 ppbv m

RT: 12.11 min Scan# 2900

Delta R.T. 0.01 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

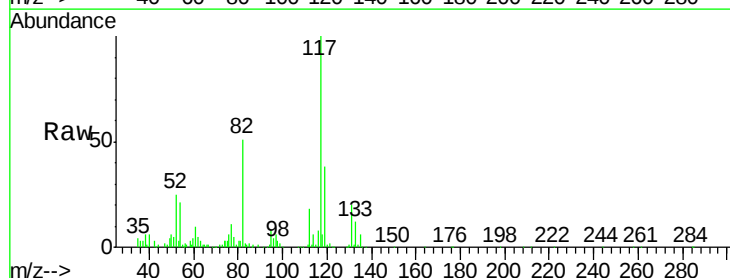
Tgt Ion:131 Resp: 64758

Ion Ratio Lower Upper

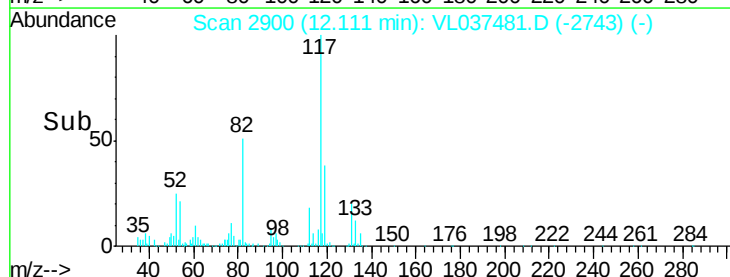
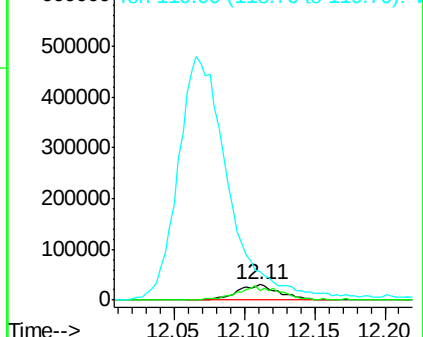
131 100

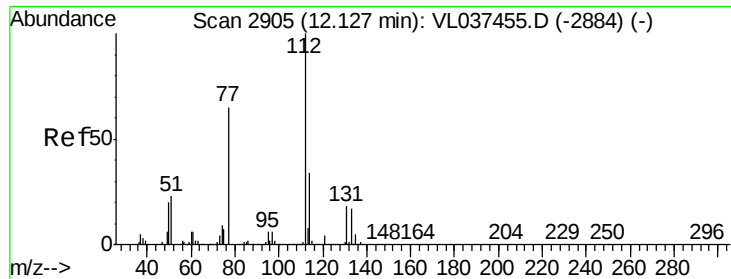
133 95.5 78.7 118.1

119 0.0 56.6 85.0#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.420 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

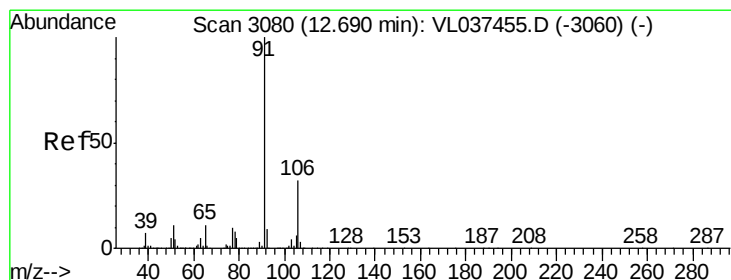
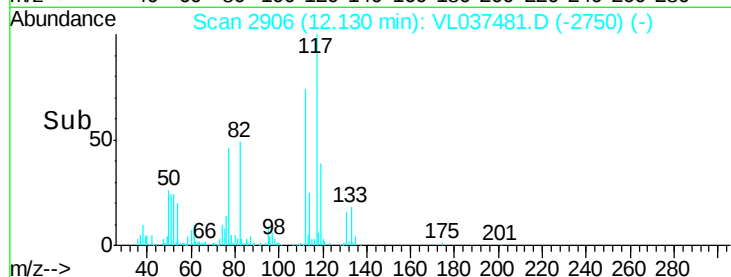
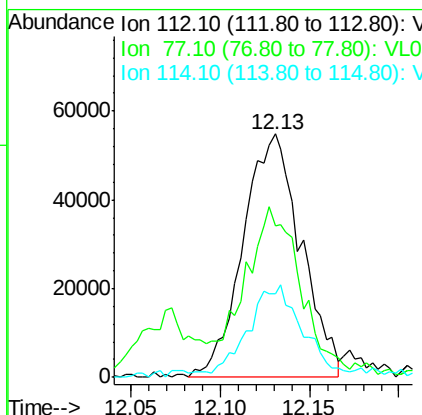
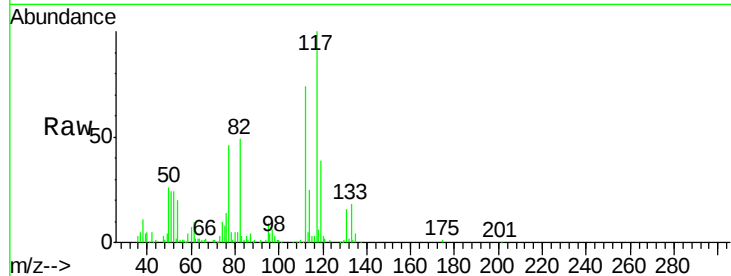
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:	112	Resp:	124316
Ion Ratio	Lower	Upper	
112	100		
77	54.6	51.6	77.4
114	32.6	30.7	37.5

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#58

Ethyl Benzene

Concen: 0.349 ppbv m

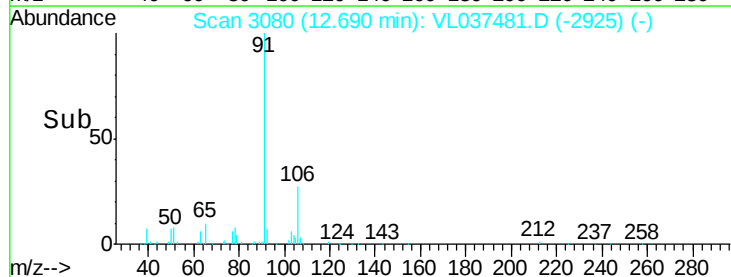
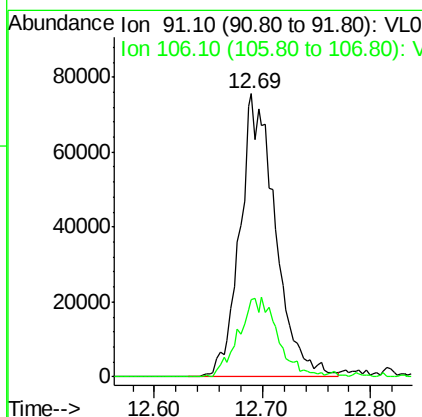
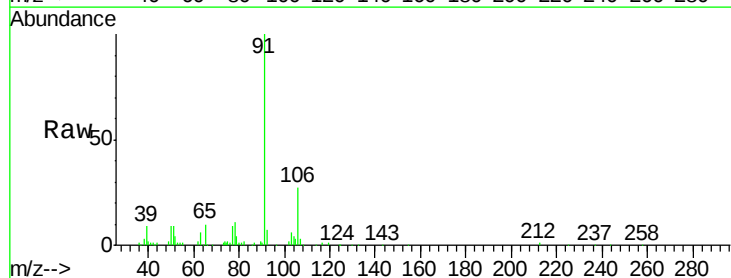
RT: 12.69 min Scan# 3080

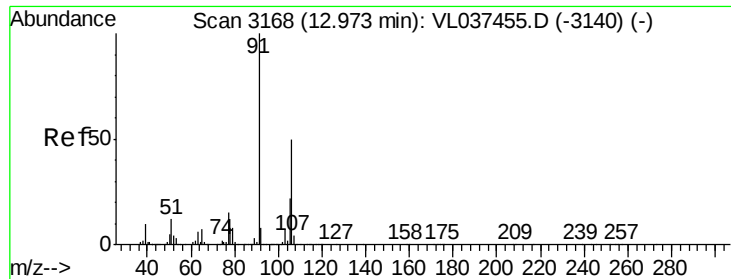
Delta R.T. -0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Tgt Ion:	91	Resp:	172800
Ion Ratio	Lower	Upper	
91	100		
106	27.4	25.7	38.5





#59

m/p-Xylene

Concen: 0.710 ppbv m

RT: 12.98 min Scan# 3170

Delta R.T. 0.01 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 91 Resp: 304785

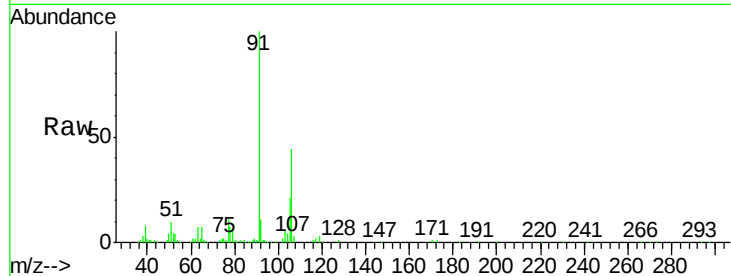
Ion Ratio Lower Upper

91 100

106 45.9 36.9 55.3

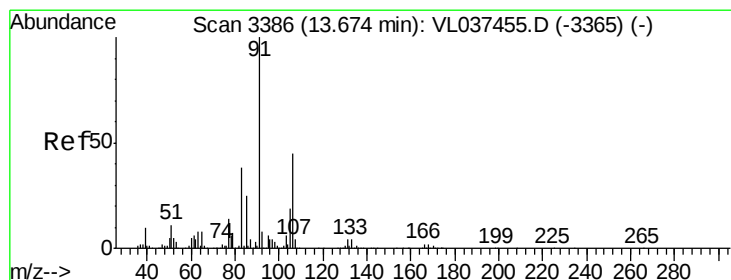
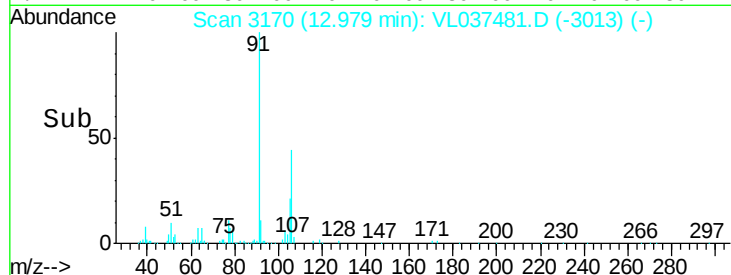
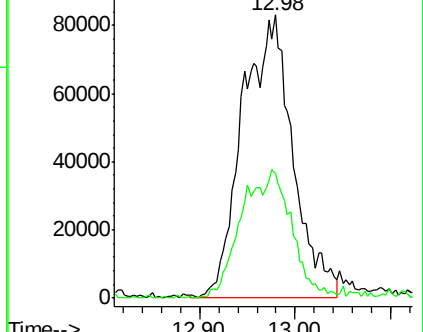
Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.358 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VL037481.D

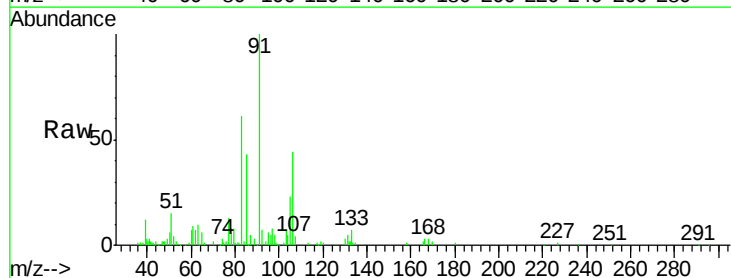
Acq: 17 Aug 2021 3:49

Tgt Ion: 91 Resp: 143338

Ion Ratio Lower Upper

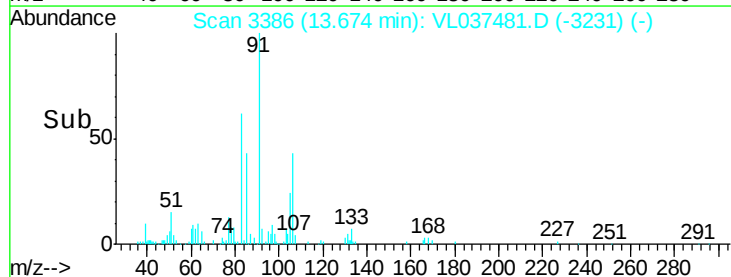
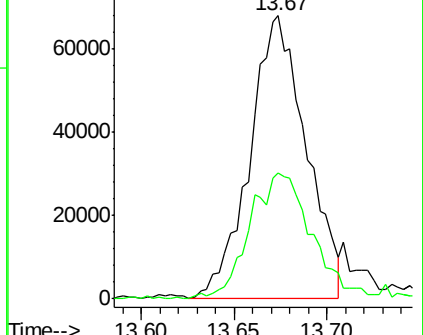
91 100

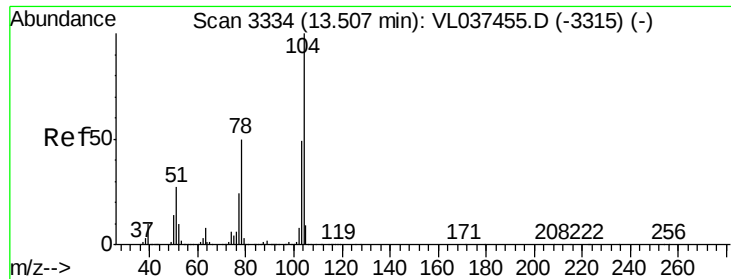
106 48.3 23.7 71.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





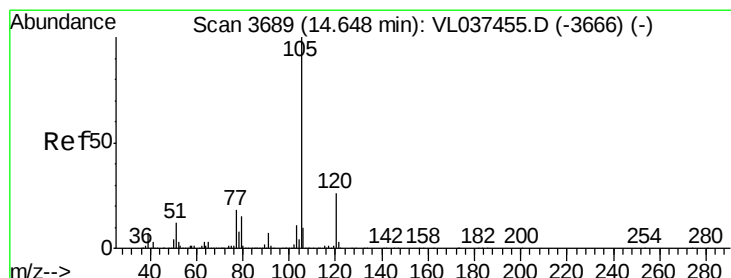
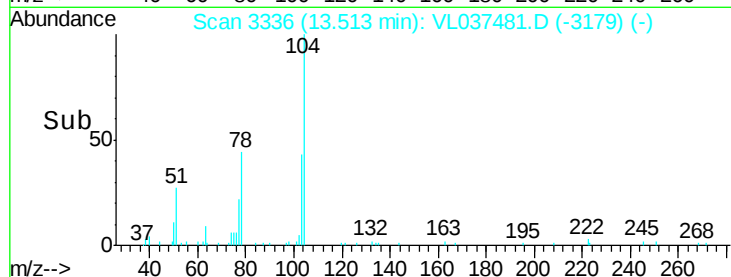
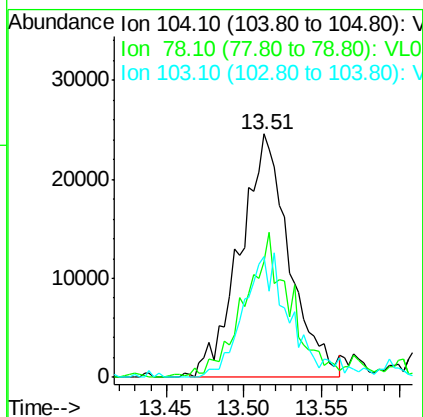
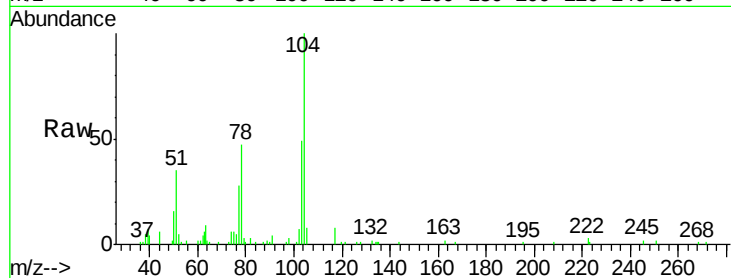
#61
Stvrene
Concen: 0.261 ppbv m
RT: 13.51 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.0	41.3	61.9
103	49.3	39.4	59.0

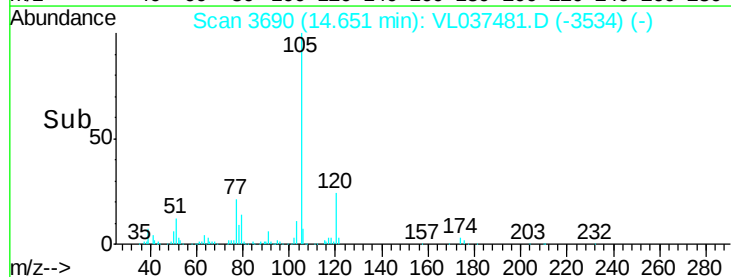
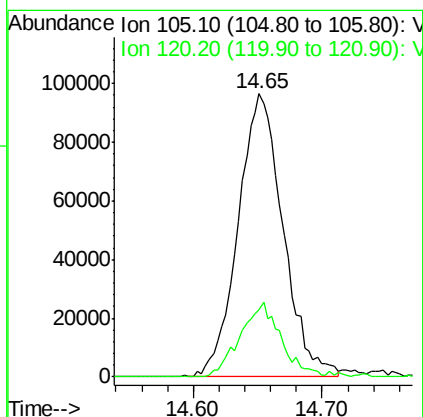
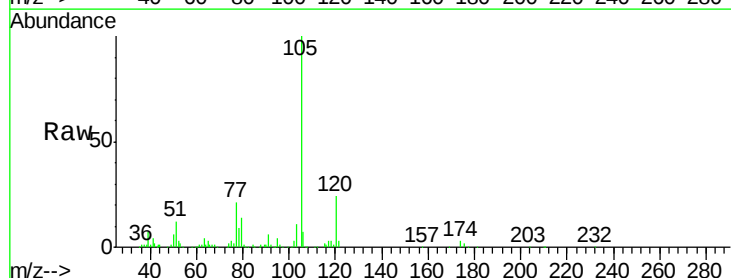
Manual Integrations
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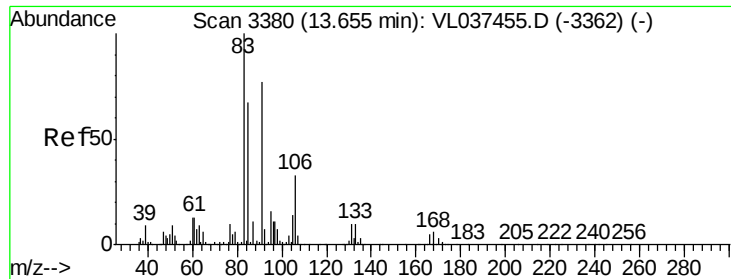
MMDadoda
8/19/2021 5:59:52 PM



#62
Isopropylbenzene
Concen: 0.413 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.00 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.8	21.5	32.3





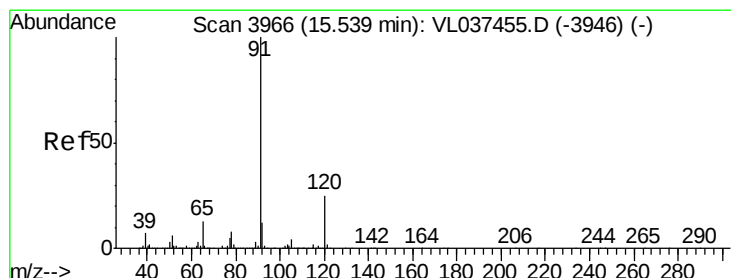
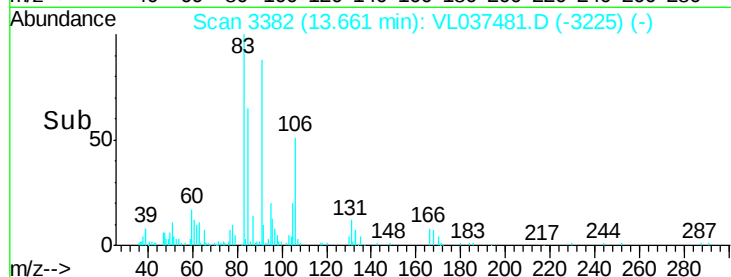
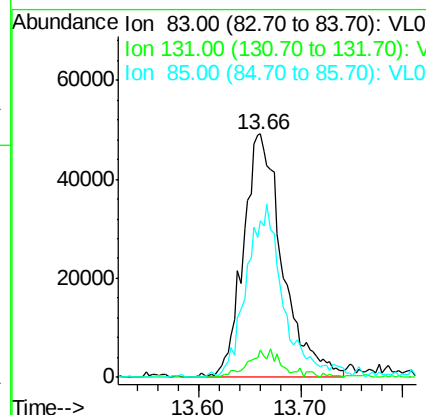
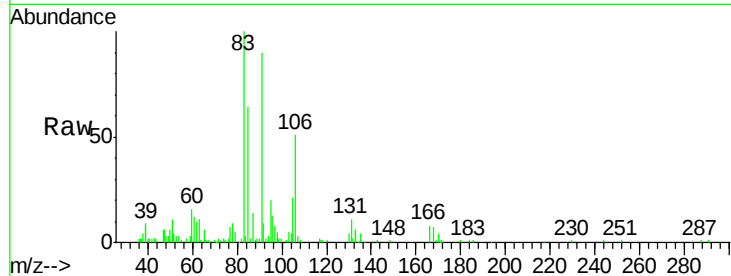
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.442 ppbv m
 RT: 13.66 min Scan# 3382
 Delta R.T. 0.01 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Tot Ion	83	Resp	131441
Ion Ratio	100	Lower	Upper
83	100		
131	9.1	5.0	15.0
85	66.8	33.8	101.3

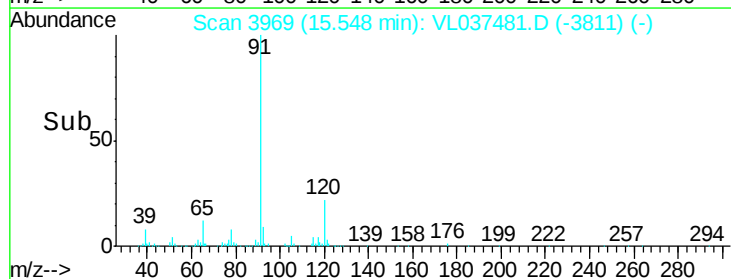
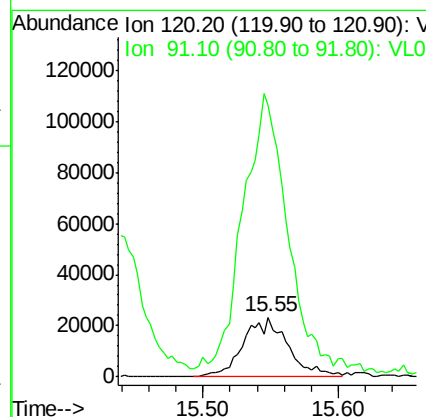
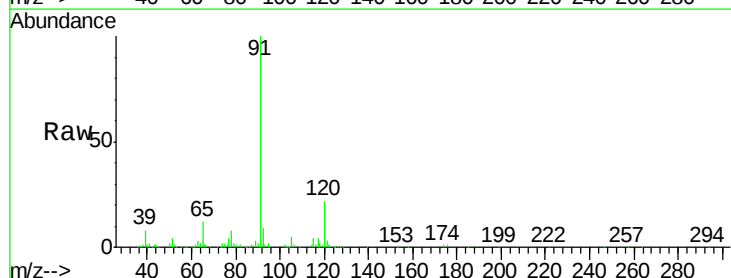
Manual Integrations
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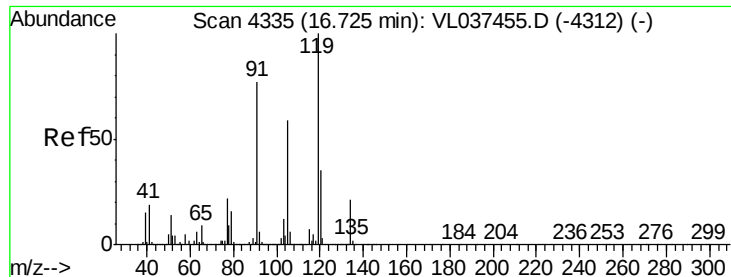
MMDadoda
 8/19/2021 5:59:52 PM



#64
 n-propylbenzene
 Concen: 0.371 ppbv m
 RT: 15.55 min Scan# 3969
 Delta R.T. 0.01 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Tgt Ion	120	Resp	53372
Ion Ratio	100	Lower	Upper
120	100		
91	502.2	373.8	560.6





#65

tert-Butylbenzene

Concen: 0.399 ppbv m

RT: 16.73 min Scan# 4336

Delta R.T. 0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

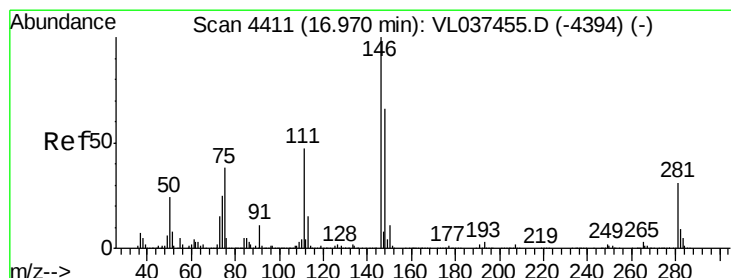
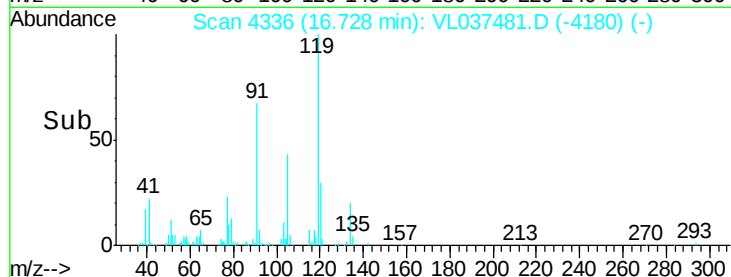
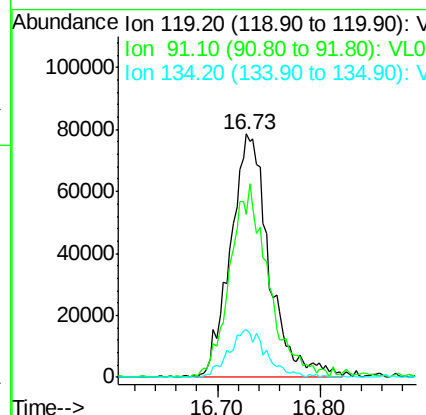
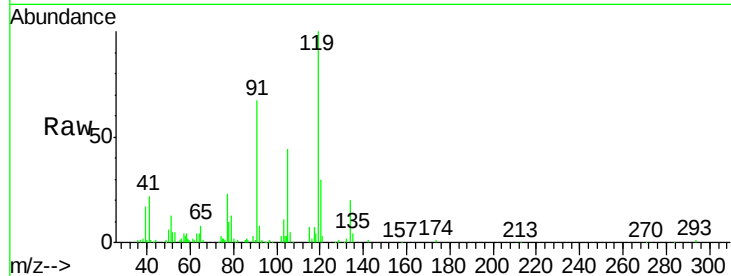
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205354		
91	81.3	62.9	94.3	
134	19.0	16.4	24.6	

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#66

Benzyl Chloride

Concen: 0.364 ppbv m

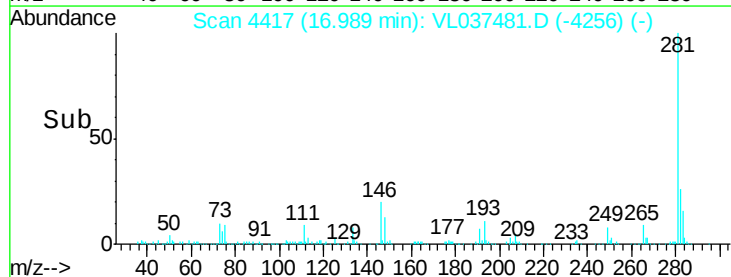
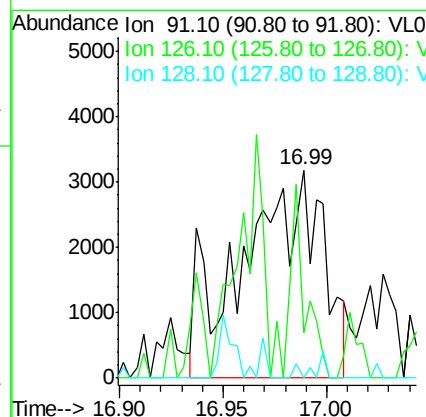
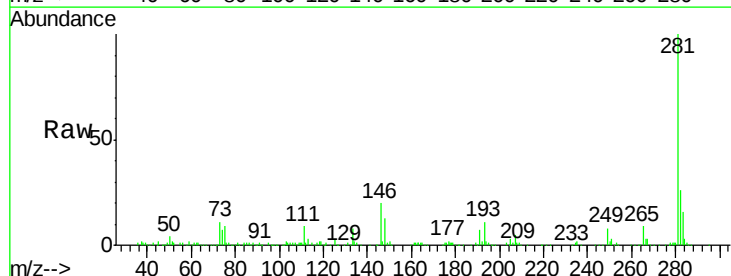
RT: 16.99 min Scan# 4417

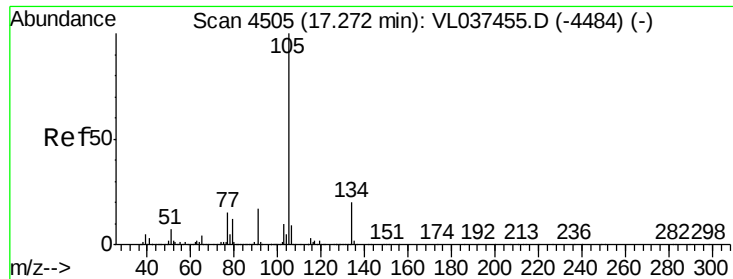
Delta R.T. 0.02 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	8474		
126	65.0	15.9	23.9#	
128	7.3	5.4	8.0	





#67

sec-Butylbenzene

Concen: 0.378 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.01 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 105 Resp: 271716

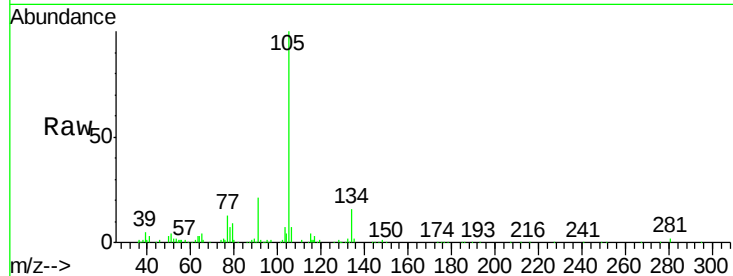
Ion Ratio Lower Upper

105 100

134 17.8 15.2 22.8

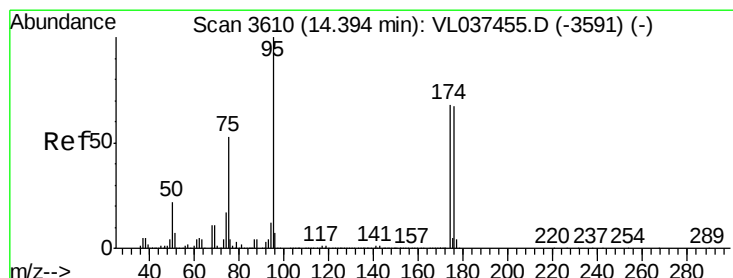
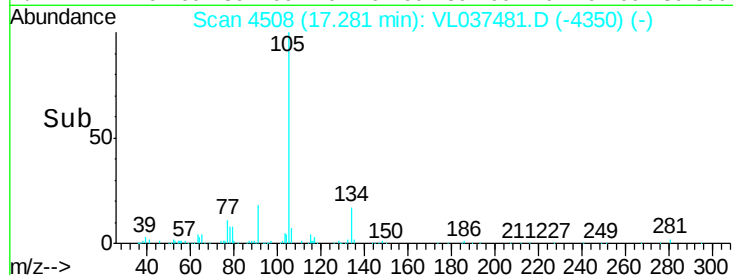
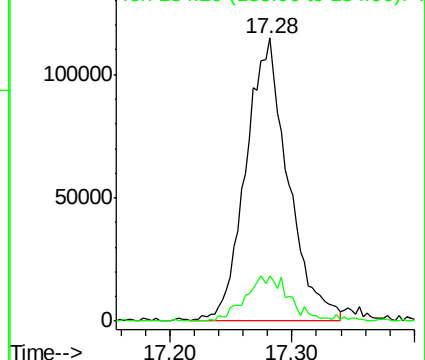
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.123 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

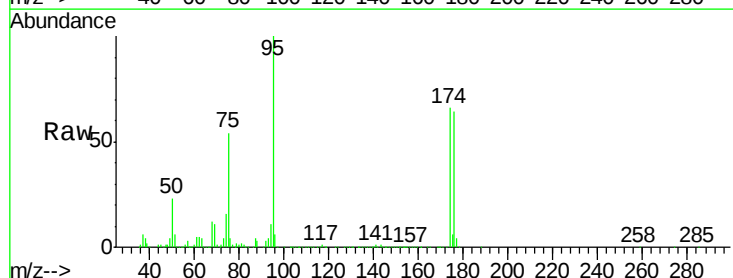
Tgt Ion: 95 Resp: 2565046

Ion Ratio Lower Upper

95 100

174 74.5 59.6 89.4

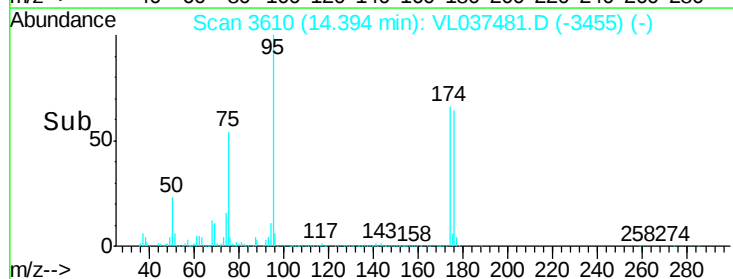
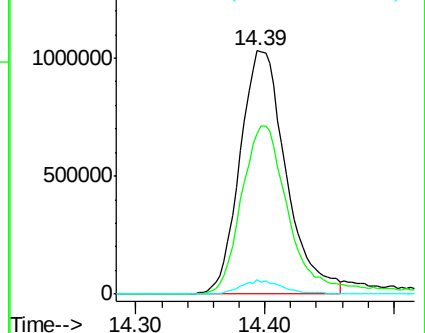
175 5.4 4.6 7.0

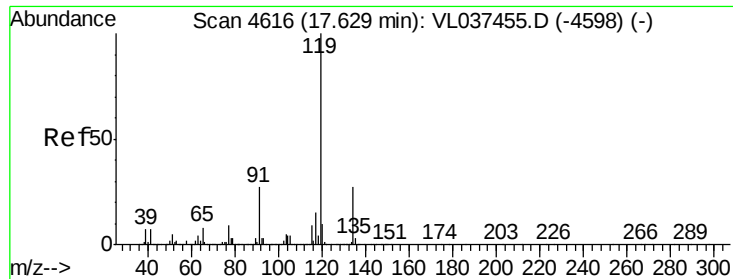


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





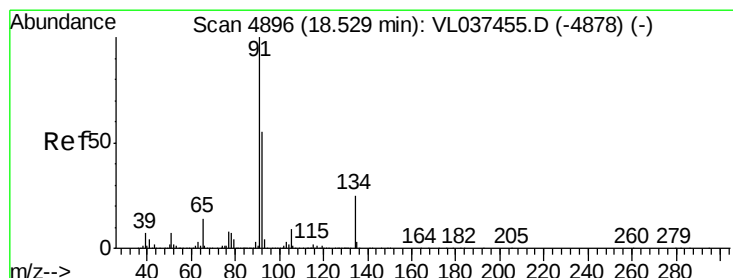
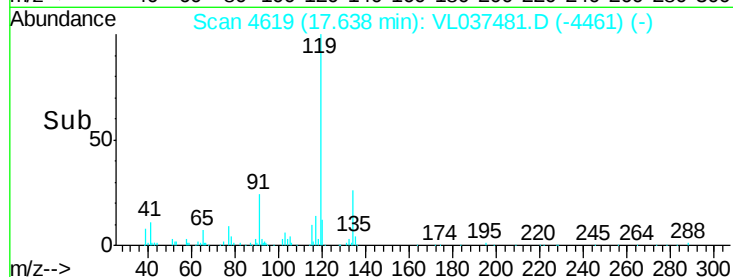
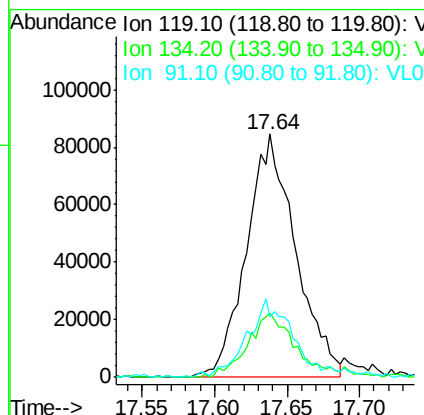
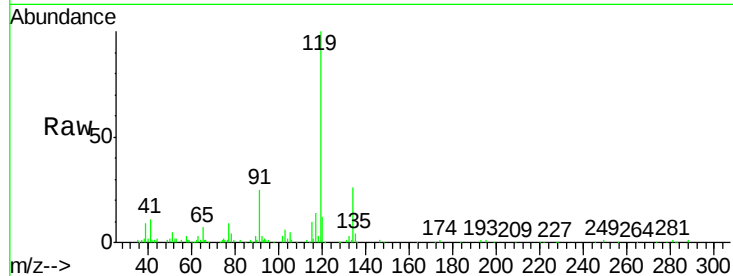
#69
 p-Isopropyltoluene
 Concen: 0.341 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Tot Ion:	119	Resp:	199661
Ion Ratio	Lower	Upper	
119	100		
134	26.8	21.1	31.7
91	31.5	22.4	33.6

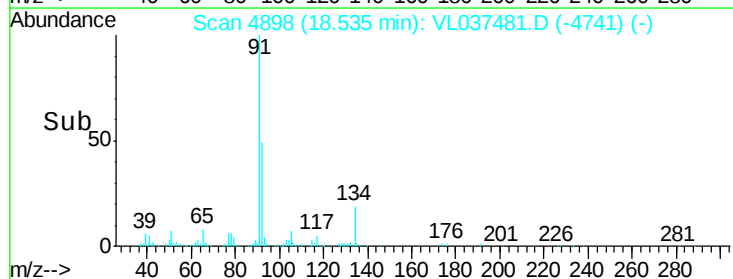
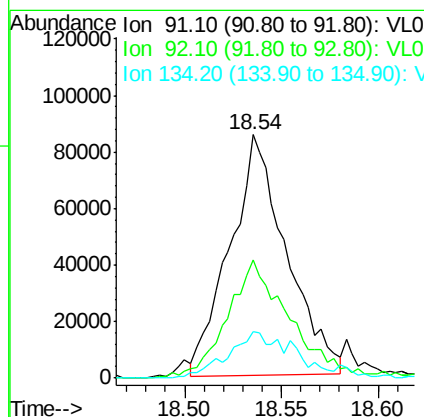
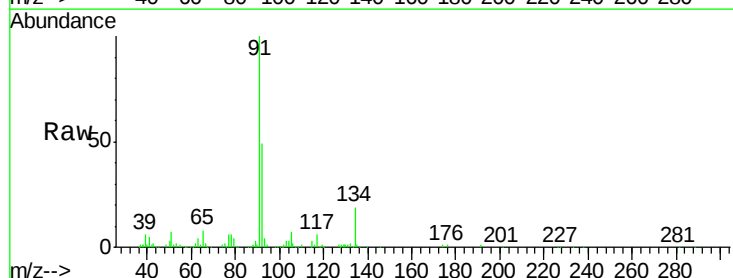
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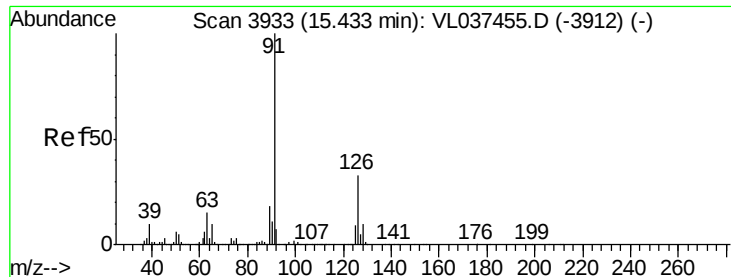
MMDadoda
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#70
 n-Butylbenzene
 Concen: 0.310 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.01 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Tgt Ion:	91	Resp:	173596
Ion Ratio	Lower	Upper	
91	100		
92	55.8	44.0	66.0
134	24.4	19.5	29.3





#71

2-Chlorotoluene

Concen: 0.362 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 91 Resp: 149923

Ion Ratio Lower Upper

91 100

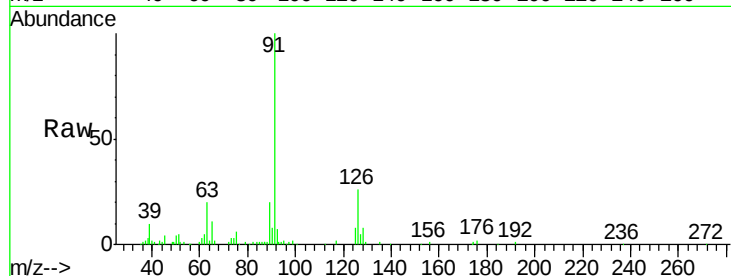
126 32.6 13.6 54.4

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

120000

100000

80000

60000

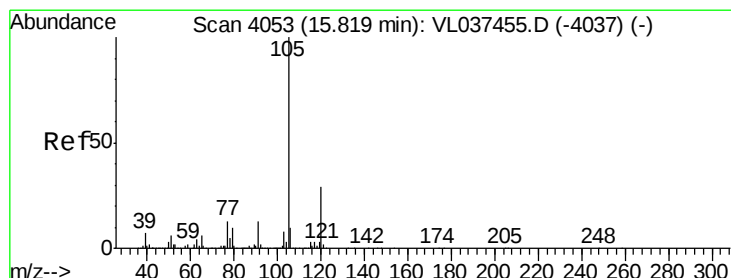
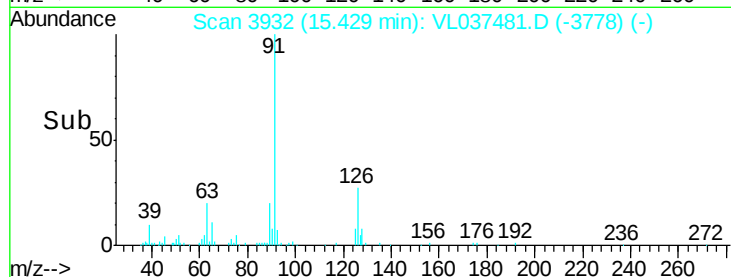
40000

20000

0

15.35 15.40 15.45 15.50

Time-->



#72

4-Ethyltoluene

Concen: 0.343 ppbv m

RT: 15.82 min Scan# 4053

Delta R.T. -0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Tgt Ion:105 Resp: 163218

Ion Ratio Lower Upper

105 100

120 31.3 24.7 37.1

91 14.5 9.8 14.8

77 15.2 10.6 15.8

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

100000

80000

60000

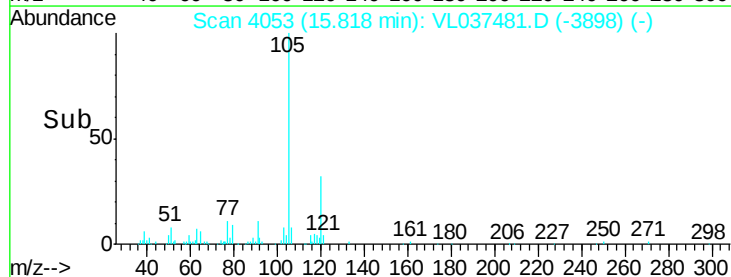
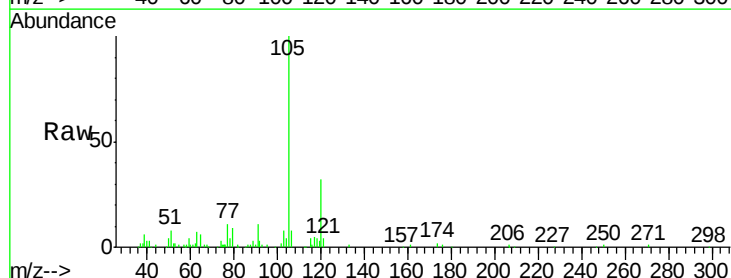
40000

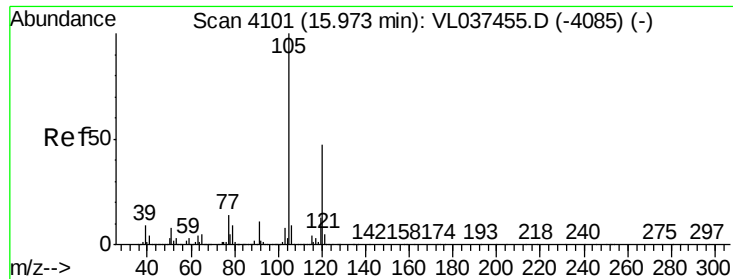
20000

0

15.75 15.80 15.85 15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 0.372 ppbv m

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:105 Resp: 165049

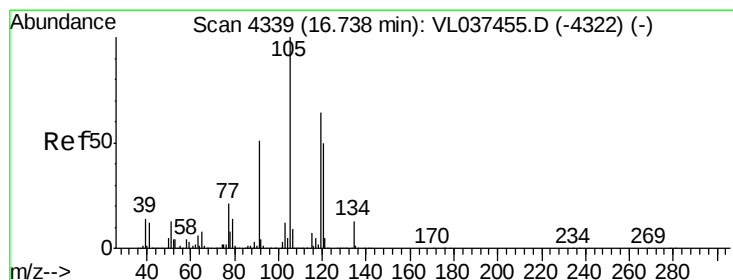
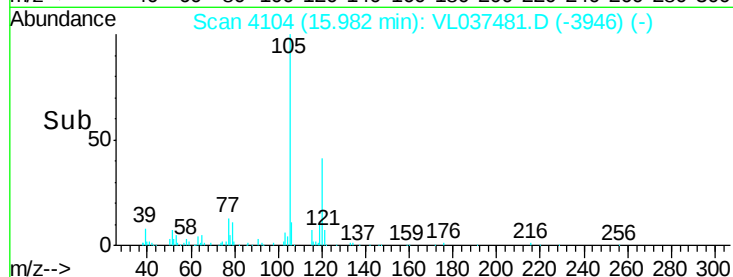
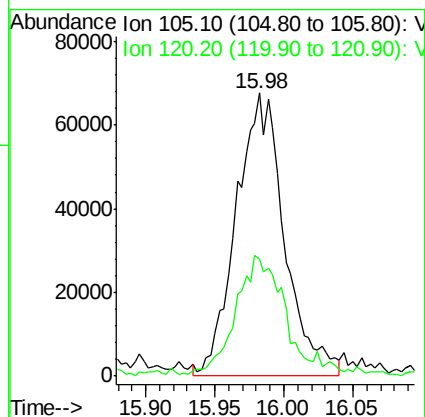
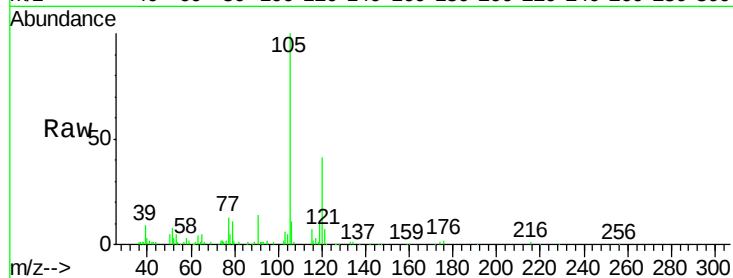
Ion Ratio Lower Upper

105 100

120 41.3 37.6 56.4

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#74

1,2,4-Trimethylbenzene

Concen: 0.379 ppbv m

RT: 16.74 min Scan# 4340

Delta R.T. 0.00 min

Lab File: VL037481.D

Acq: 17 Aug 2021 3:49

Tgt Ion:105 Resp: 178389

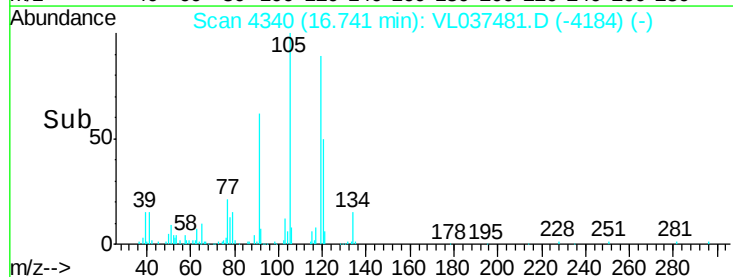
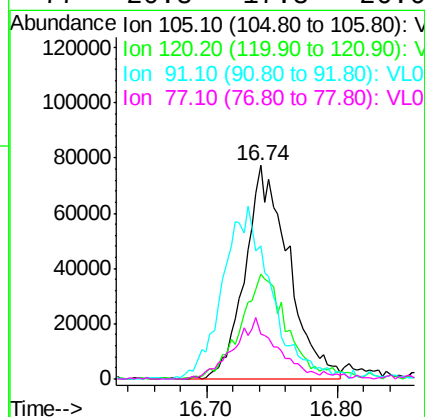
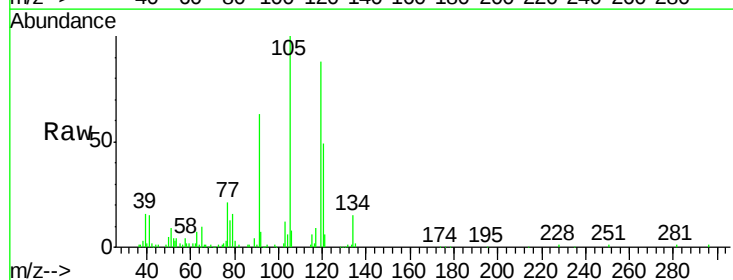
Ion Ratio Lower Upper

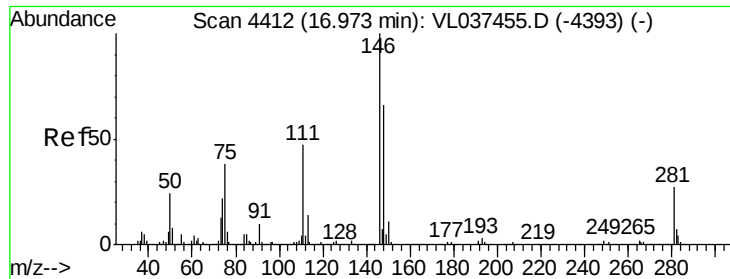
105 100

120 49.4 40.4 60.6

91 62.6 44.6 67.0

77 20.8 17.8 26.6





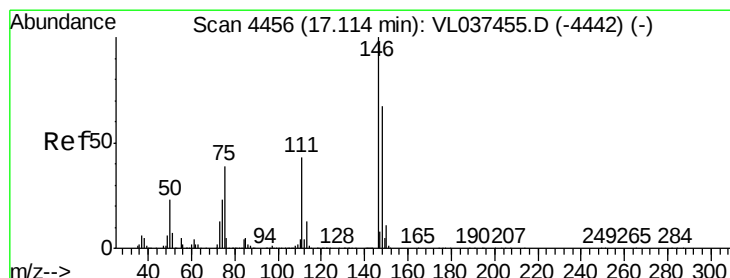
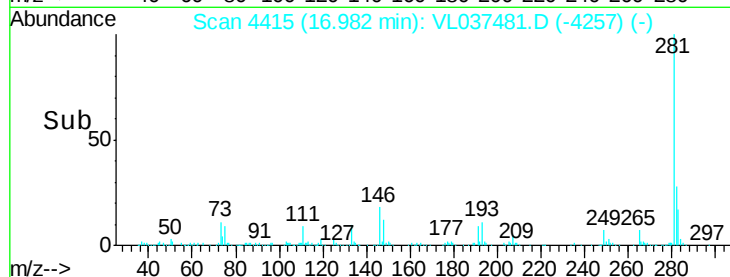
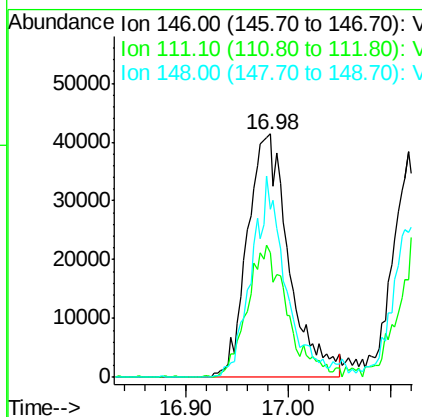
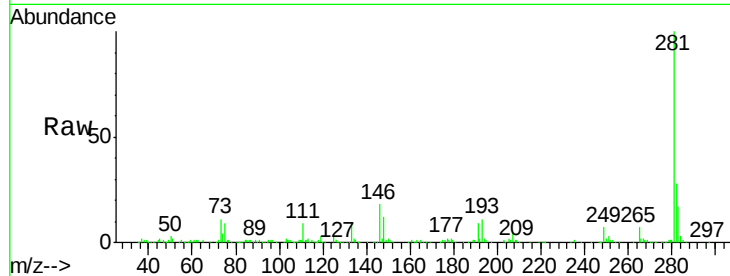
#75
1,3-Dichlorobenzene
Concen: 0.411 ppbv m
RT: 16.98 min Scan# 4415
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.2	23.4	70.0
148	69.0	33.1	99.5

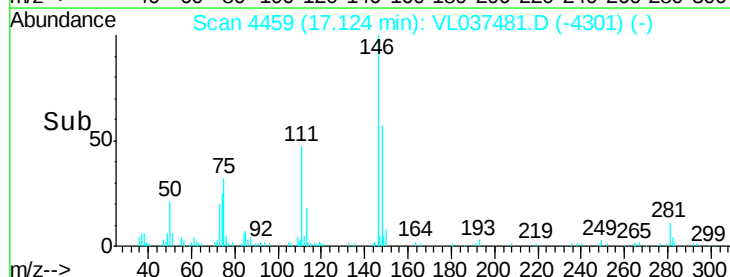
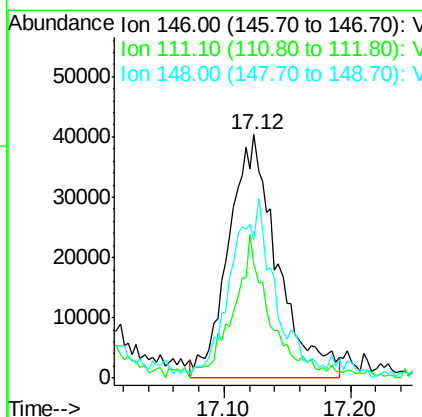
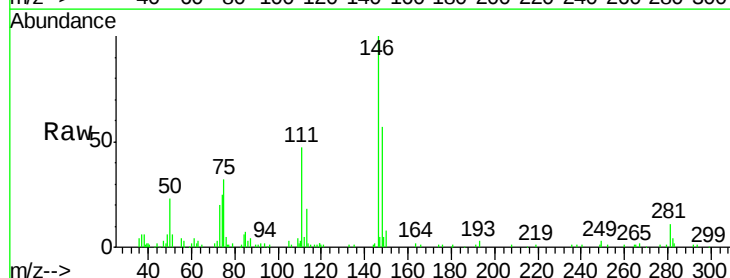
Manual Integrations
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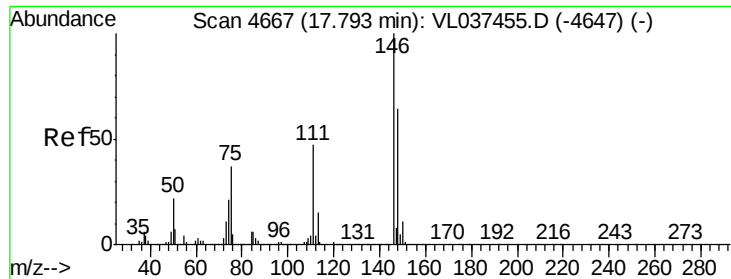
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#76
1,4-Dichlorobenzene
Concen: 0.378 ppbv m
RT: 17.12 min Scan# 4459
Delta R.T. 0.01 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.8	22.1	66.5
148	66.0	32.4	97.0





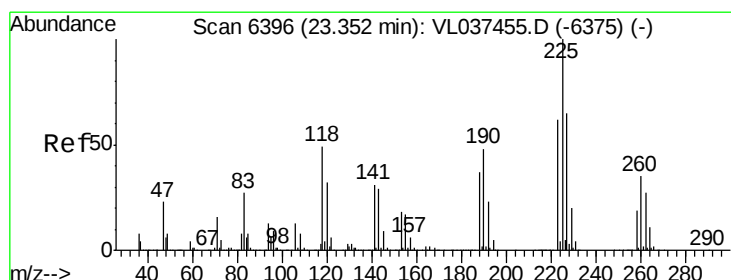
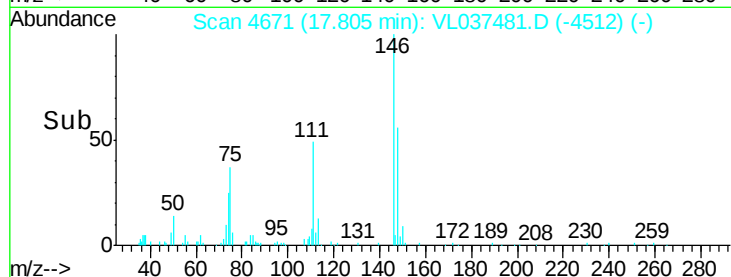
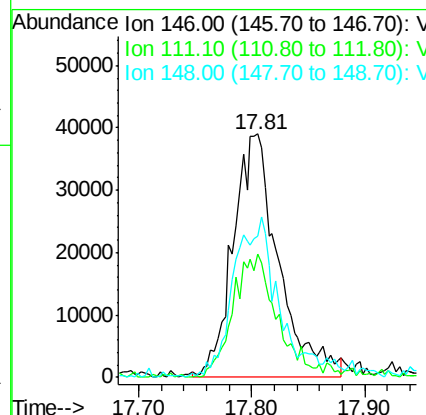
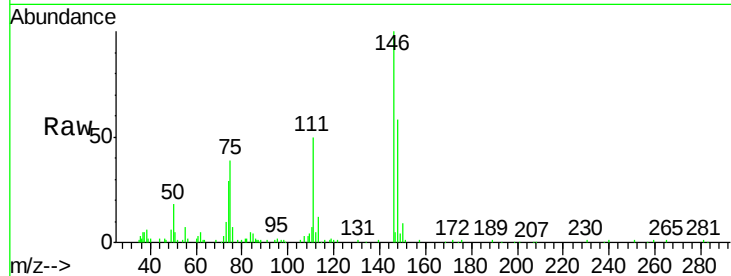
#77
 1,2-Dichlorobenzene
 Concen: 0.390 ppbv m
 RT: 17.81 min Scan# 4671
 Delta R.T. 0.01 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.7	23.4	70.3
148	68.6	32.5	97.5

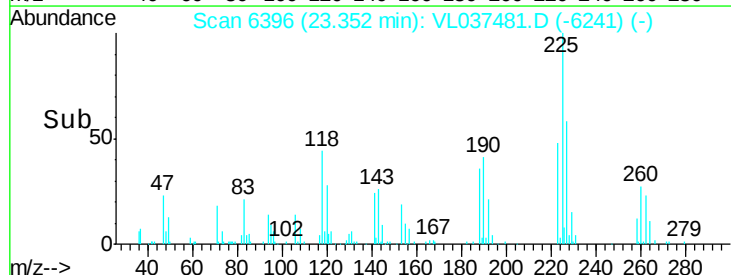
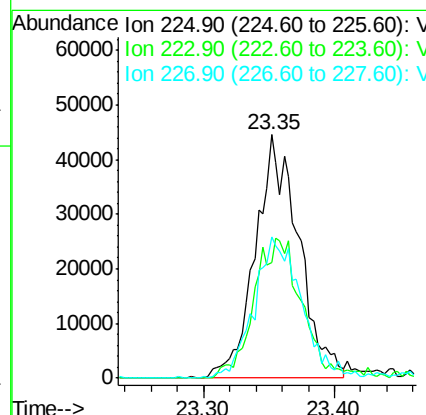
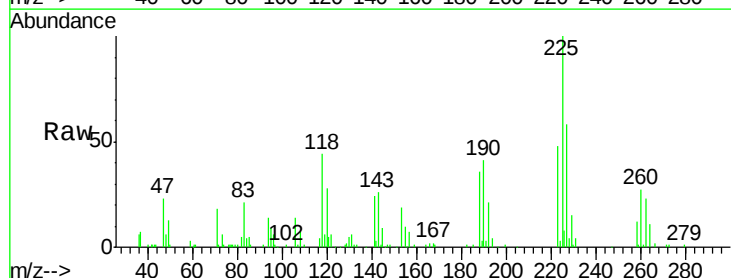
Manual Integrations
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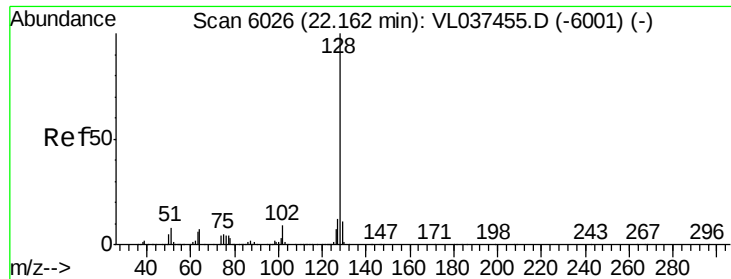
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.441 ppbv m
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.4	77.0#
227	0.0	52.9	79.3#





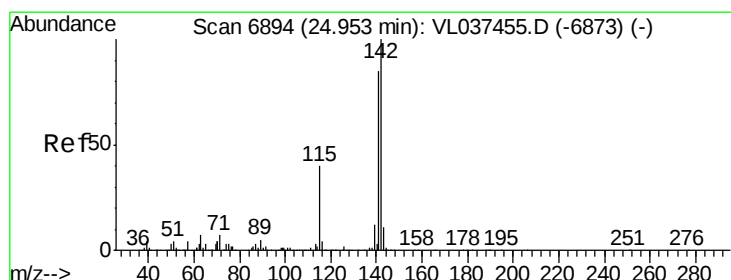
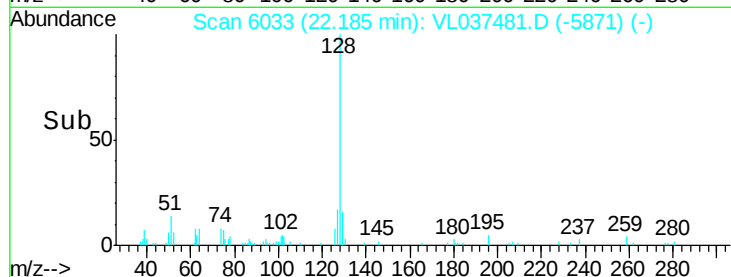
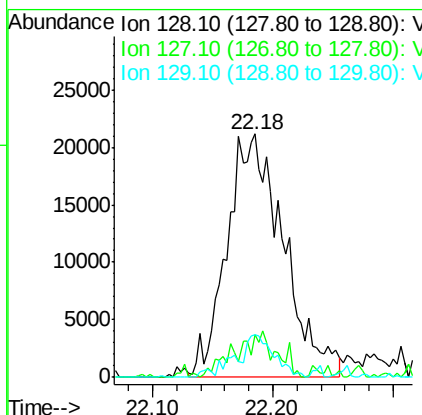
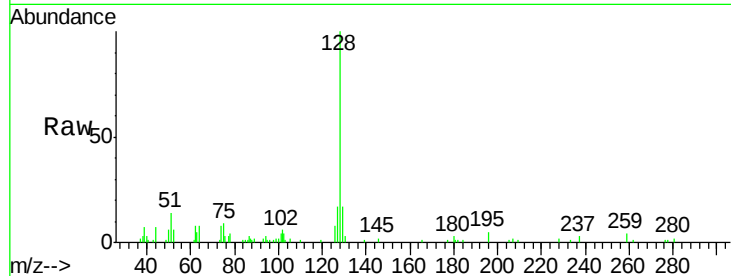
#79
Naphthalene
Concen: 0.216 ppbv m
RT: 22.18 min Scan# 6033
Delta R.T. 0.02 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.5	9.4	14.2#
129	17.3	8.8	13.2#

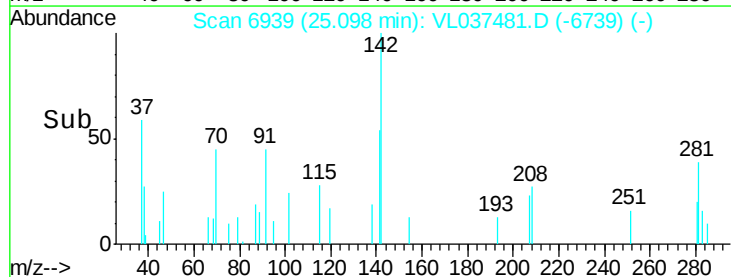
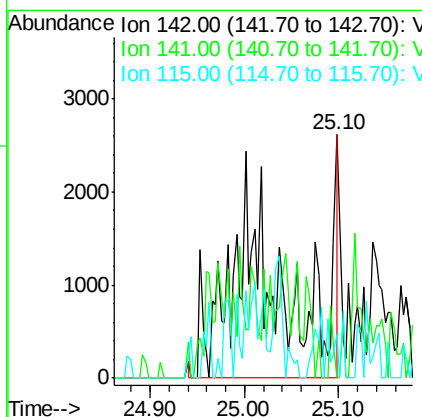
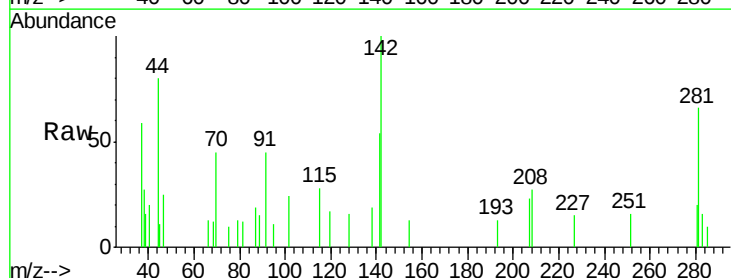
Manual Integrations
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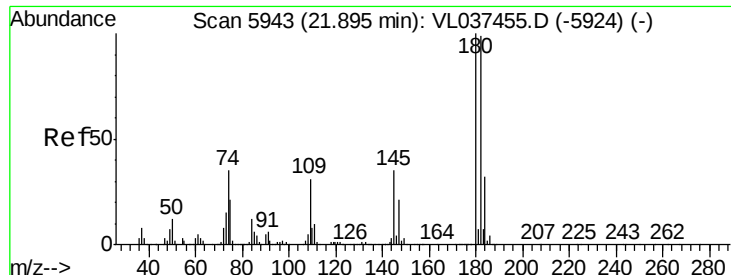
MMDadoda
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#80
Naphthalene, 2-methyl-
Concen: 0.092 ppbv m
RT: 25.10 min Scan# 6939
Delta R.T. 0.14 min
Lab File: VL037481.D
Acq: 17 Aug 2021 3:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	44.7	64.7	97.1#
115	17.5	28.4	42.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.310 ppbv m
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.00 min
 Lab File: VL037481.D
 Acq: 17 Aug 2021 3:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	79.6	119.4
184	0.0	25.4	38.2#

Manual Integrations
 APPROVED

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