

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037482.D
 Acq On : 17 Aug 2021 4:28
 Operator : SY/AP
 Sample : M2940-13 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 8/19/2021 5:59:55 PM

Quant Time: Aug 17 12:45:26 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	1373594	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4126076	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3577291	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2614294	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	122752	0.557	ppbv	94
3) Chlorodifluoromethane	2.98	51	136131	0.518	ppbv	98
4) Chloromethane	3.13	50	45612	0.485	ppbv #	83
5) Vinyl Chloride	3.25	62	44375	0.461	ppbv	98
6) Bromomethane	3.46	94	26716m	0.506	ppbv	
7) Chloroethane	3.55	64	18007m	0.548	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	110685	0.486	ppbv	91
9) Propene	3.00	41	44743m	0.475	ppbv	
10) Heptane	8.10	43	80290	0.371	ppbv #	85
11) Trichlorofluoromethane	3.93	101	101130	0.489	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	74724m	0.492	ppbv	
13) Ethanol	3.62	45	5136m	0.561	ppbv	
14) Bromoethene	3.74	108	32420m	0.470	ppbv	
15) Acetone	3.86	43	70890	0.507	ppbv #	52
16) 1,3-Butadiene	3.32	39	45955m	0.512	ppbv	
17) tert-Butyl alcohol	4.32	59	66470m	0.521	ppbv	
18) 1,1-Dichloroethene	4.28	96	33610m	0.487	ppbv	
19) Isopropyl Alcohol	3.98	45	39924m	0.499	ppbv	
20) Methylene Chloride	4.33	84	40873m	0.584	ppbv	
21) Allyl Chloride	4.40	41	55174m	0.486	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	31198m	0.453	ppbv	
23) Vinyl Acetate	5.07	43	93606m	0.454	ppbv	
24) 1,1-Dichloroethane	4.99	63	79327	0.531	ppbv	97
25) Ethyl Acetate	5.68	43	164014m	0.462	ppbv	
26) Hexane	5.68	57	79864m	0.460	ppbv	
27) Carbon Disulfide	4.54	76	53281m	0.345	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	81443	0.489	ppbv	98
29) Chloroform	5.74	83	126460m	0.514	ppbv	
30) Cyclohexane	7.11	84	67268m	0.465	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	69670m	0.444	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	107138	0.443	ppbv	95
34) 2-Butanone	5.25	43	83815m	0.497	ppbv	
35) Carbon Tetrachloride	7.00	117	101862m	0.418	ppbv	
36) Benzene	6.88	78	141439	0.408	ppbv #	94
37) 1,2-Dichloroethane	6.29	62	81375	0.474	ppbv	99
38) Trichloroethene	7.82	130	61362m	0.431	ppbv	
39) 1,2-Dichloropropane	7.60	63	65466m	0.491	ppbv	
40) 1,4-Dioxane	7.87	88	14598m	0.447	ppbv	
41) Tetrahydrofuran	6.07	42	29873m	0.368	ppbv	
42) Bromodichloromethane	7.77	83	101712	0.405	ppbv	88
43) Methyl Methacrylate	8.01	69	42257m	0.350	ppbv	

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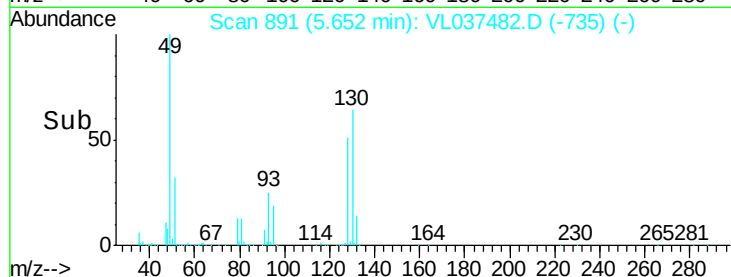
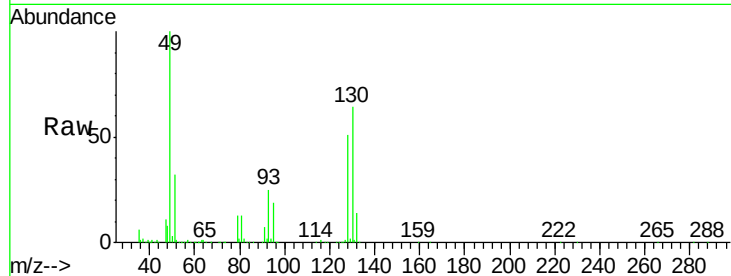
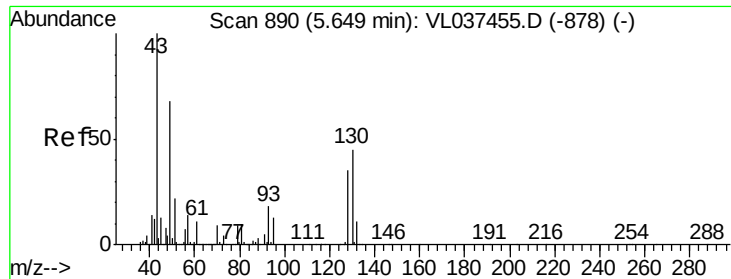
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	238448	0.408	ppbv	94
45) t-1,3-Dichloropropene	9.27	75	28745m	0.316	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	39841m	0.314	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	62472m	0.434	ppbv	
48) Dibromochloromethane	10.28	129	76726m	0.370	ppbv	
49) Bromoform	13.02	173	52858m	0.324	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	76906m	0.350	ppbv	
51) 2-Hexanone	10.15	43	35911m	0.355	ppbv	
52) Tetrachloroethene	11.20	164	60281m	0.424	ppbv	
53) Toluene	9.79	91	148329	0.375	ppbv	95
54) 1,2-Dibromoethane	10.59	107	83979	0.418	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.10	131	70004m	0.470	ppbv	
57) Chlorobenzene	12.13	112	146473m	0.493	ppbv	
58) Ethyl Benzene	12.70	91	195906m	0.395	ppbv	
59) m/p-Xylene	12.98	91	361181m	0.839	ppbv	
60) o-Xylene	13.67	91	174580	0.435	ppbv	99
61) Styrene	13.51	104	66724m	0.320	ppbv	
62) Isopropylbenzene	14.65	105	259268m	0.457	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	148278m	0.497	ppbv	
64) n-propylbenzene	15.55	120	57885	0.401	ppbv	76
65) tert-Butylbenzene	16.73	119	233201	0.452	ppbv	95
66) Benzyl Chloride	16.99	91	11052m	0.473	ppbv	
67) sec-Butylbenzene	17.27	105	318978	0.442	ppbv	98
69) p-Isopropyltoluene	17.64	119	243716	0.415	ppbv	98
70) n-Butylbenzene	18.53	91	230867m	0.411	ppbv	
71) 2-Chlorotoluene	15.43	91	174257m	0.419	ppbv	
72) 4-Ethyltoluene	15.83	105	184675	0.387	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	196664m	0.442	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	202669	0.429	ppbv #	92
75) 1,3-Dichlorobenzene	16.98	146	137979m	0.485	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	133750m	0.467	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	125958m	0.450	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	115698m	0.497	ppbv	
79) Naphthalene	22.18	128	81046m	0.256	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	13339m	0.151	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	72783m	0.367	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: VL037482.D

Acq: 17 Aug 2021 4:28

Tot Ion: 49 Resp: 1373594

Ion Ratio Lower Upper

49 100

128 56.3 27.5 82.4

130 69.8 34.0 101.8

Instrument :

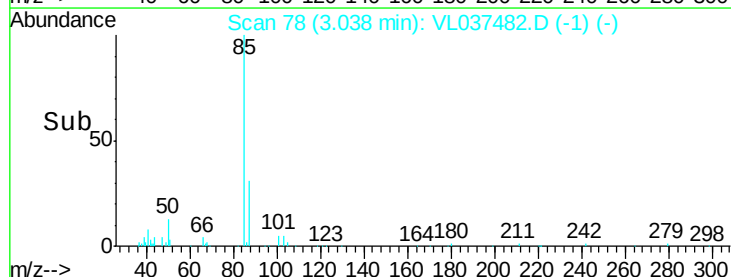
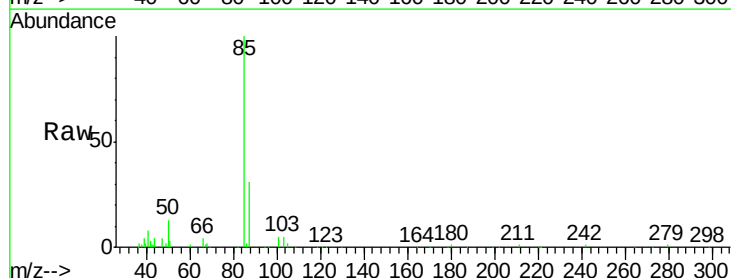
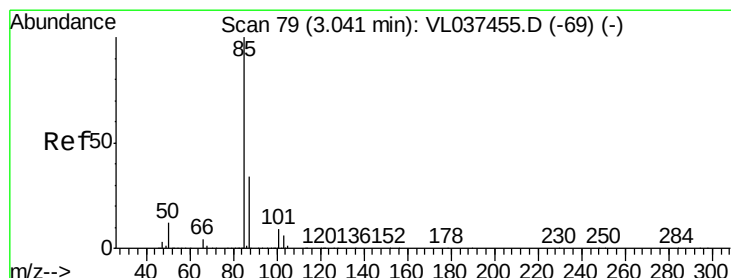
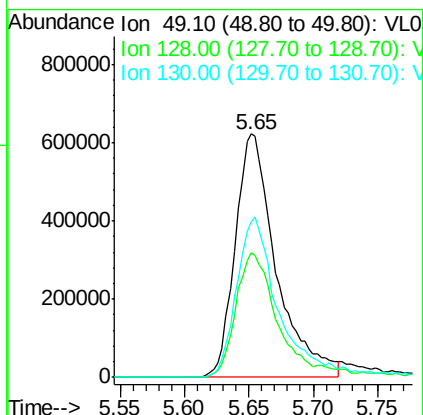
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

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#2

Dichlorodifluoromethane

Concen: 0.557 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037482.D

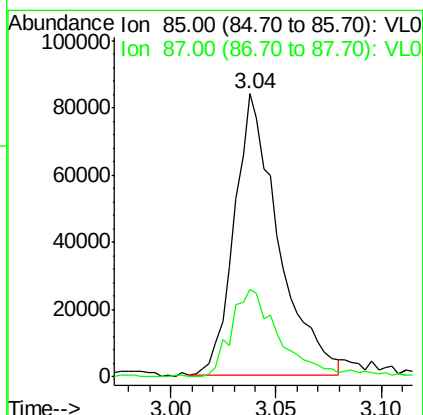
Acq: 17 Aug 2021 4:28

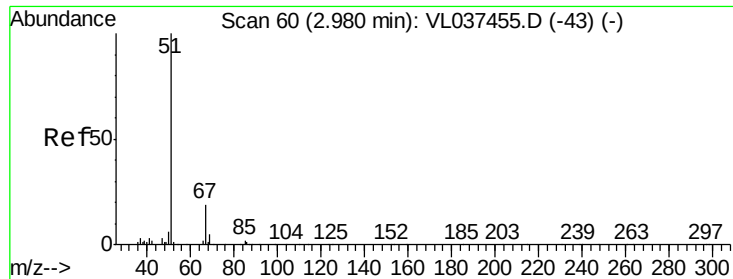
Tgt Ion: 85 Resp: 122752

Ion Ratio Lower Upper

85 100

87 31.2 27.6 41.4





#3

Chlorodifluoromethane

Concen: 0.518 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 51 Resp: 136131

Ion Ratio Lower Upper

51 100

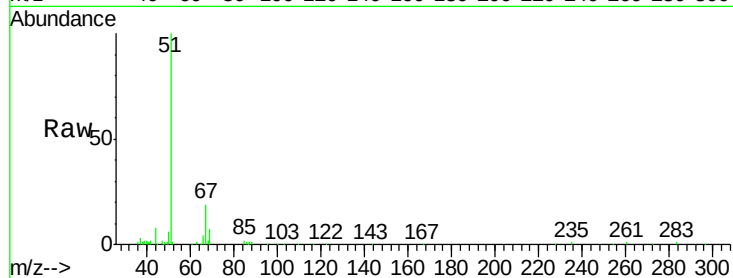
67 18.6 14.2 21.2

Manual Integrations

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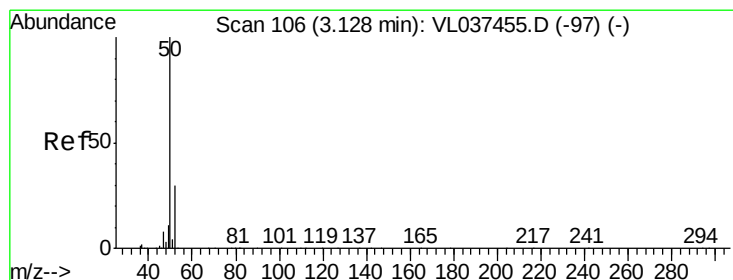
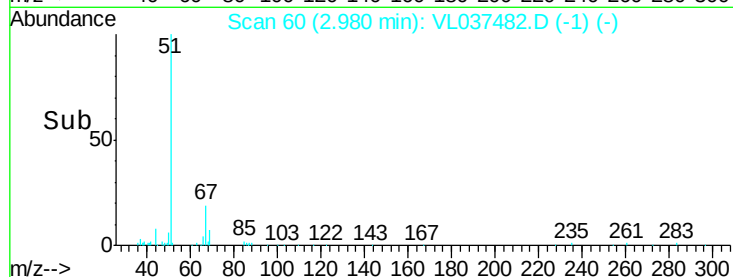
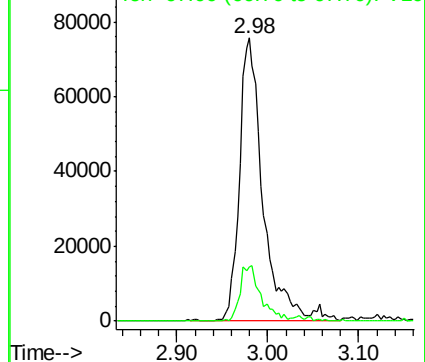
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.485 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037482.D

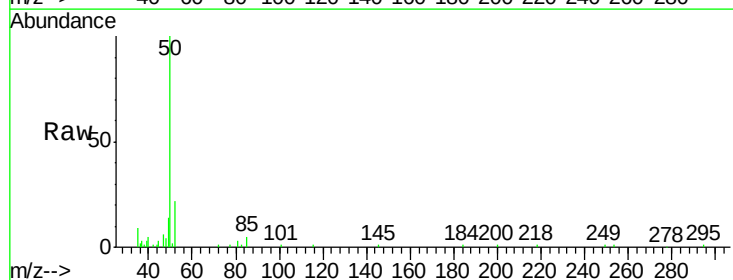
Acq: 17 Aug 2021 4:28

Tgt Ion: 50 Resp: 45612

Ion Ratio Lower Upper

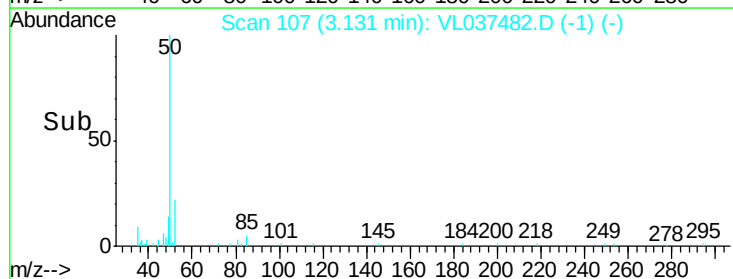
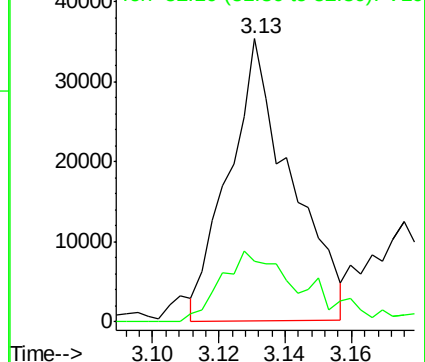
50 100

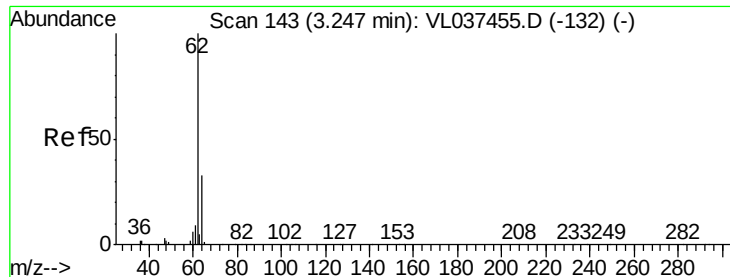
52 20.6 24.0 36.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.461 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 62 Resp: 44375

Ion Ratio Lower Upper

62 100

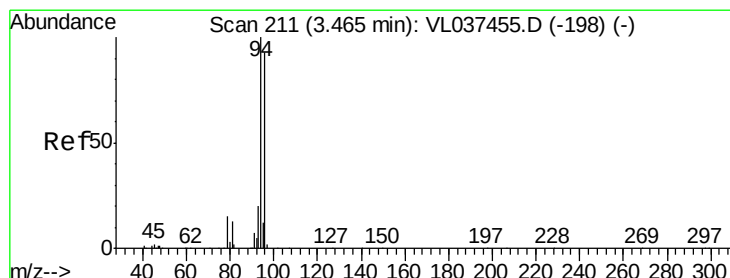
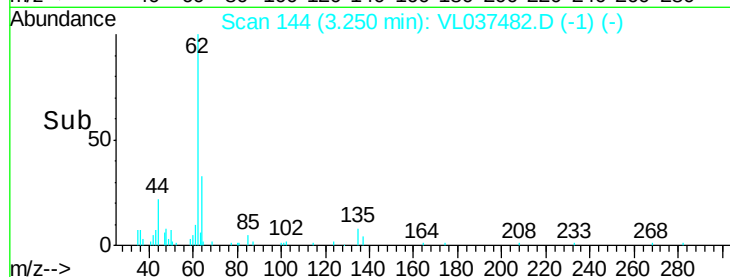
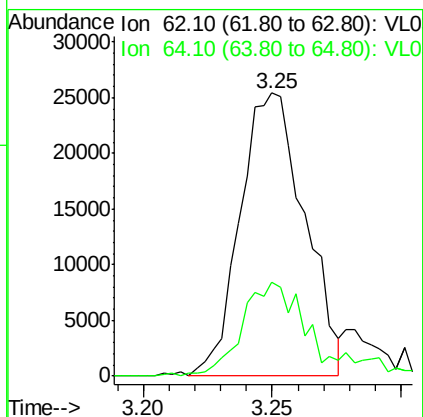
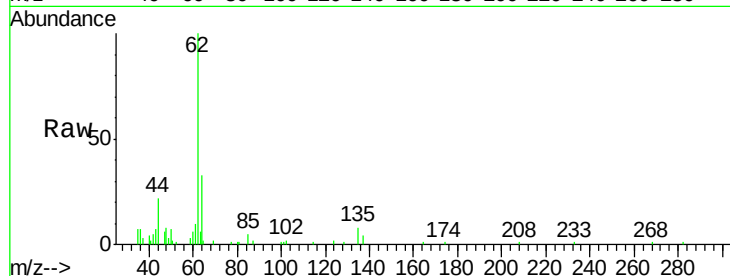
64 34.0 26.5 39.7

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#6

Bromomethane

Concen: 0.506 ppbv m

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037482.D

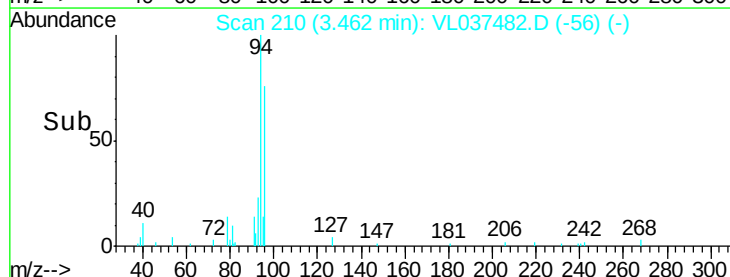
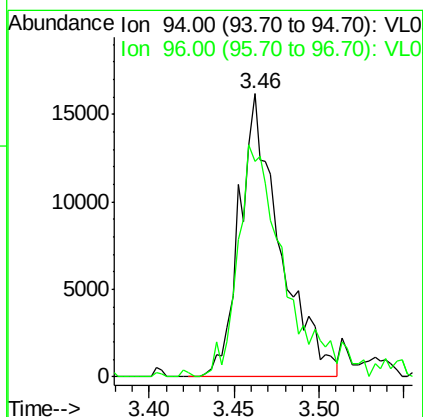
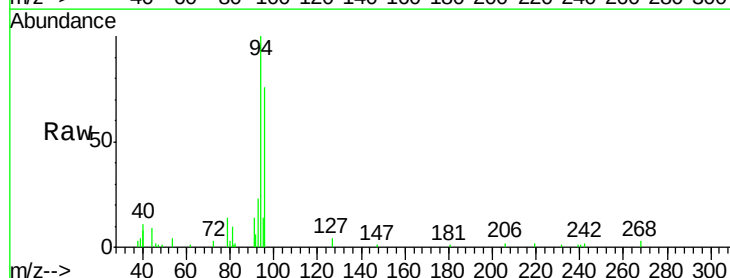
Acq: 17 Aug 2021 4:28

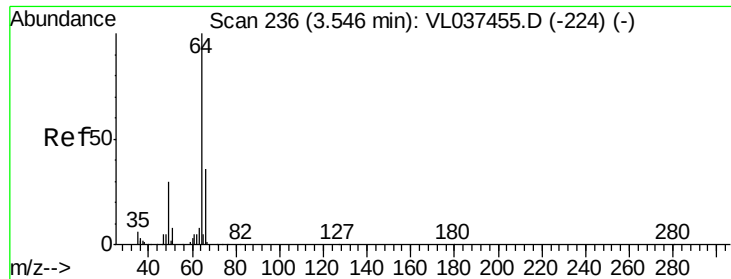
Tgt Ion: 94 Resp: 26716

Ion Ratio Lower Upper

94 100

96 76.0 74.5 111.7





#7

Chloroethane

Concen: 0.548 ppbv m

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 64 Resp: 18007

Ion Ratio Lower Upper

64 100

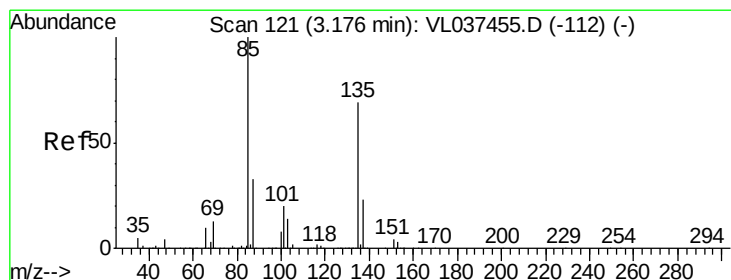
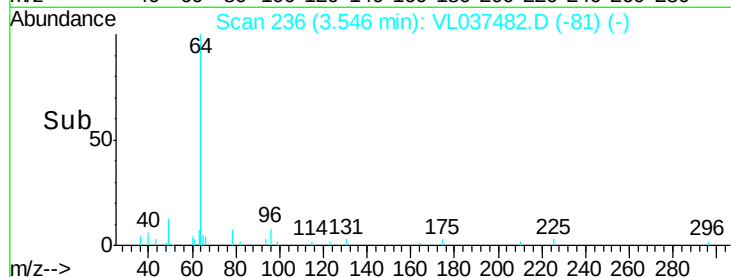
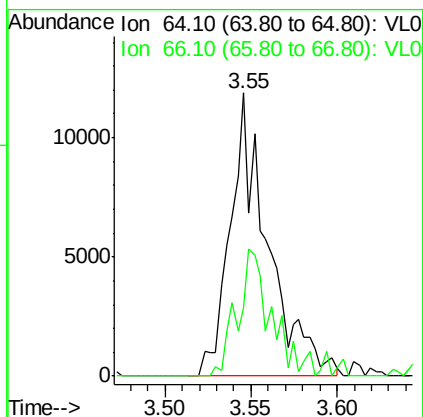
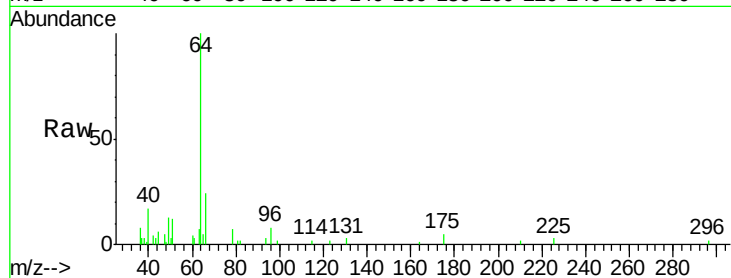
66 24.1 28.6 43.0#

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#8

Dichlorotetrafluoroethane

Concen: 0.486 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037482.D

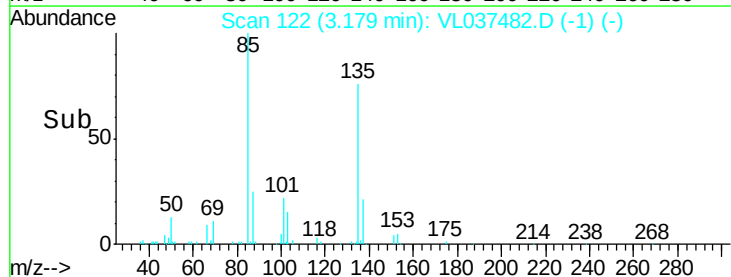
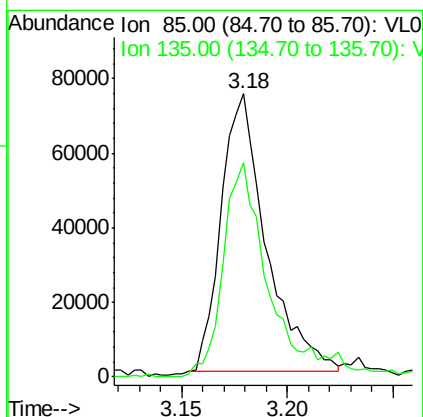
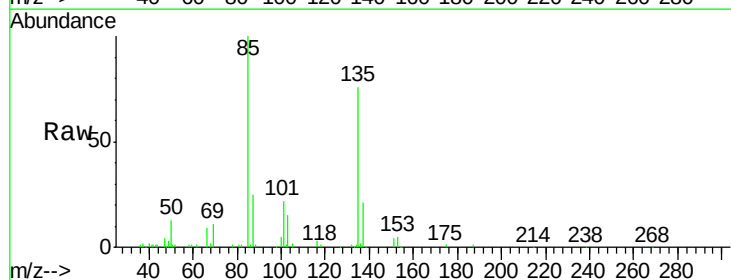
Acq: 17 Aug 2021 4:28

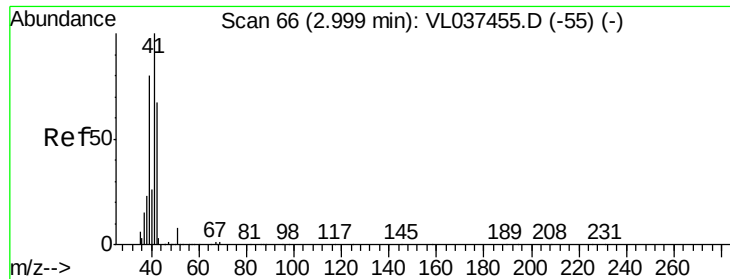
Tgt Ion: 85 Resp: 110685

Ion Ratio Lower Upper

85 100

135 80.8 58.8 88.2





#9

Propene

Concen: 0.475 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

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ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 41 Resp: 44743

Ion Ratio Lower Upper

41 100

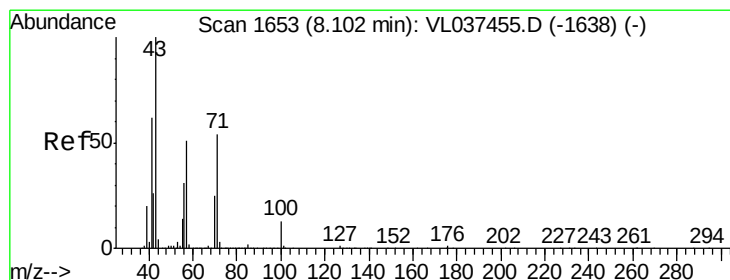
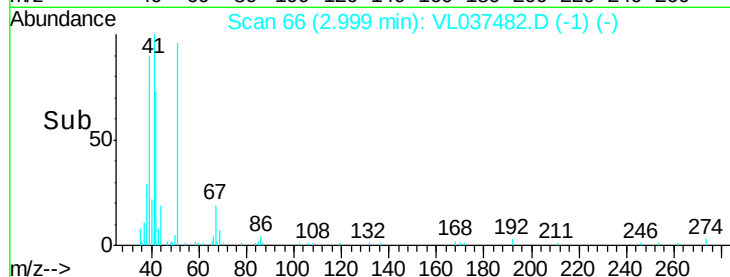
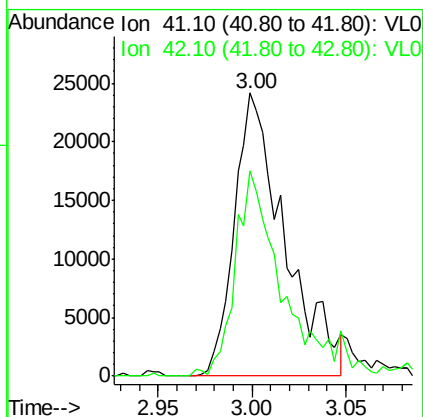
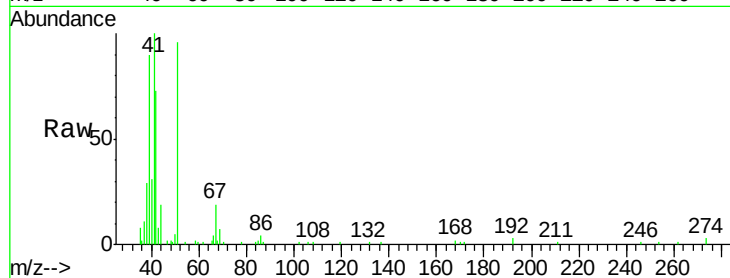
42 71.1 53.7 80.5

Manual Integrations

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#10

Heptane

Concen: 0.371 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037482.D

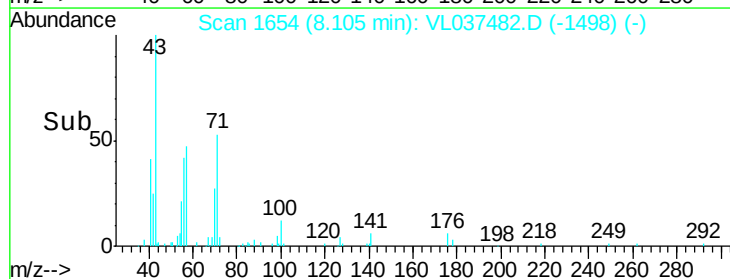
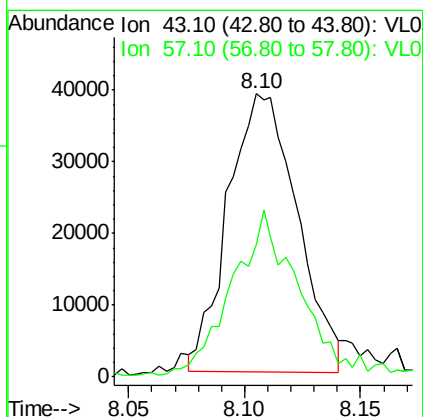
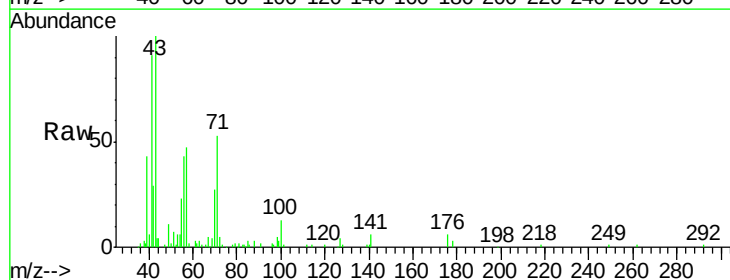
Acq: 17 Aug 2021 4:28

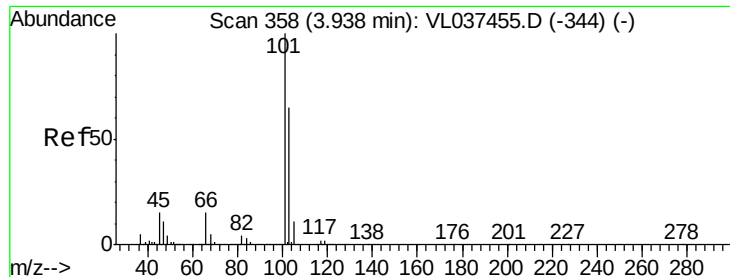
Tgt Ion: 43 Resp: 80290

Ion Ratio Lower Upper

43 100

57 62.1 41.0 61.6#





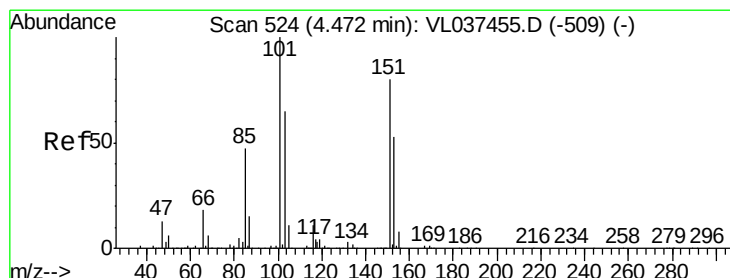
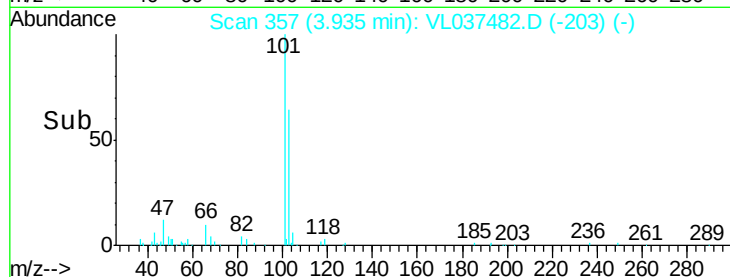
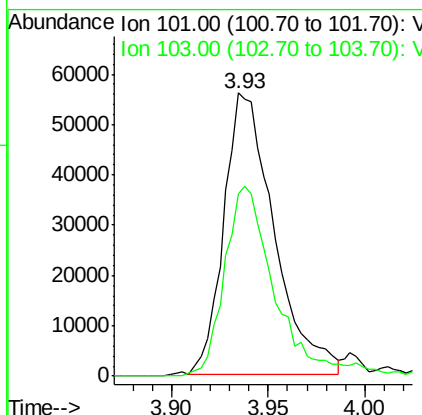
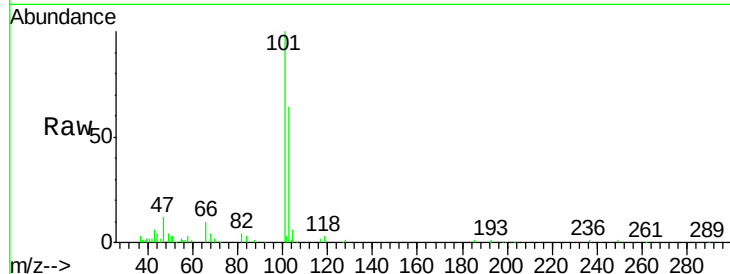
#11
 Trichlorofluoromethane
 Concen: 0.489 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.8	77.6

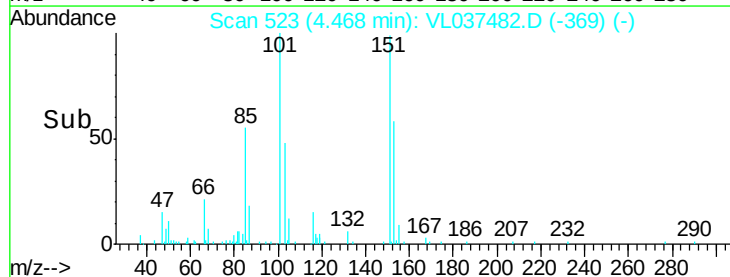
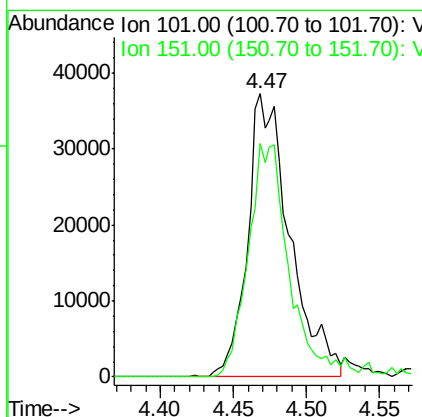
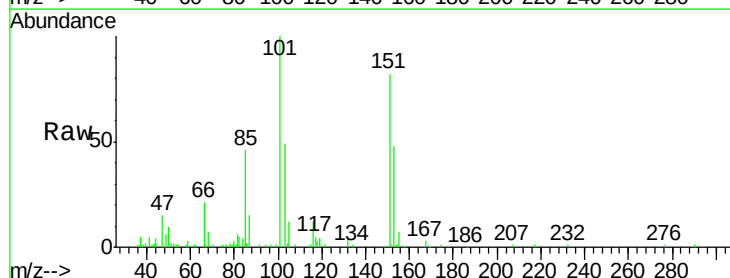
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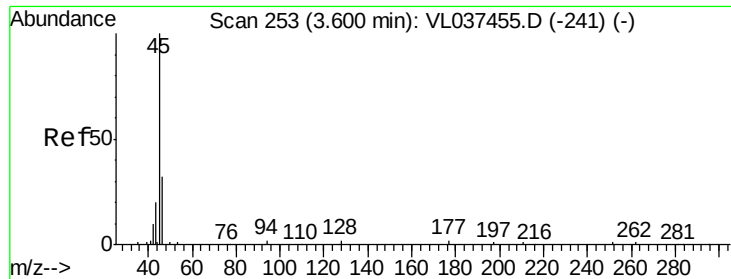
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.492 ppbv m
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Lower	Upper
101	100		
151	0.0	63.7	95.5#





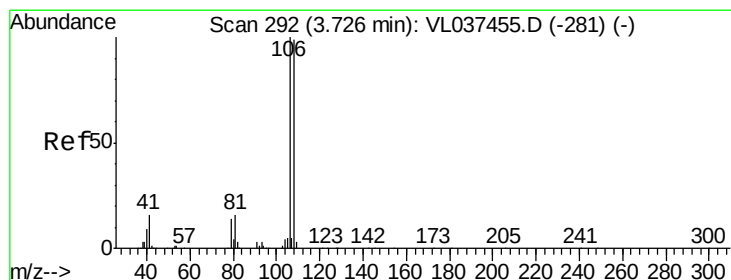
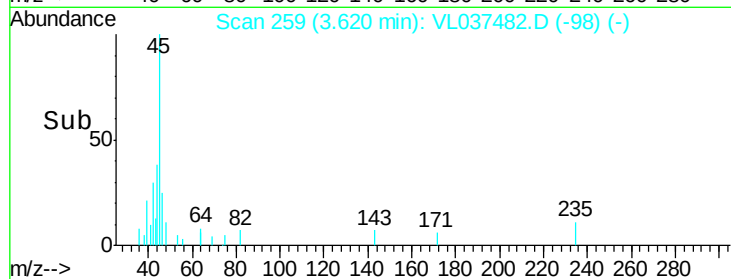
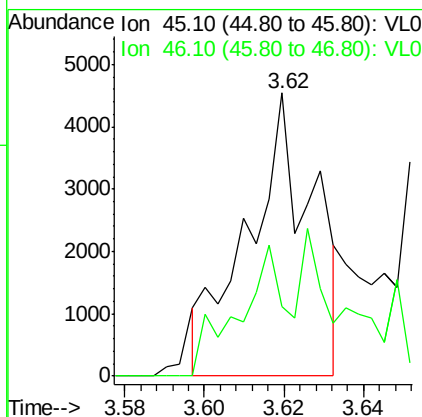
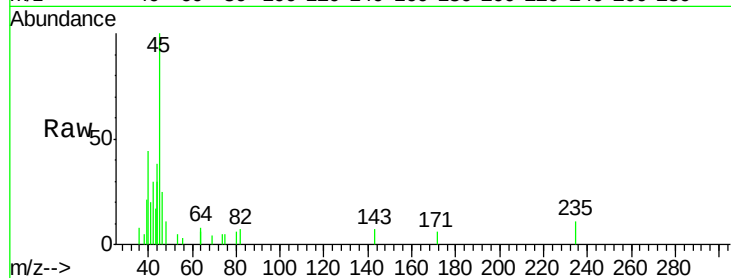
#13
Ethanol
Concen: 0.561 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.1	56.5#

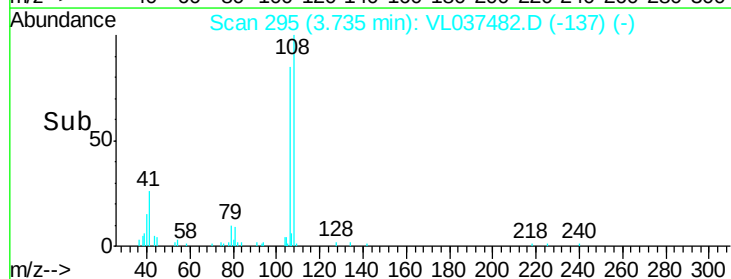
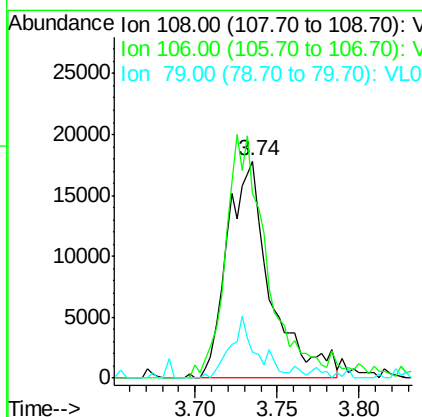
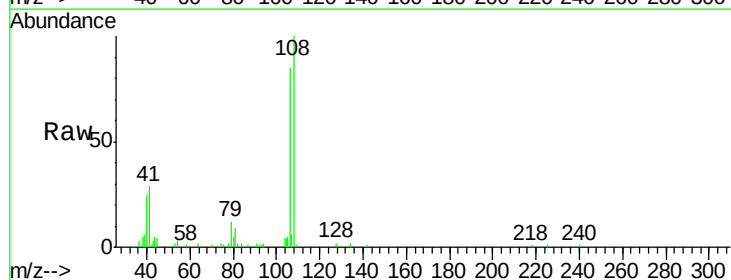
Manual Integrations
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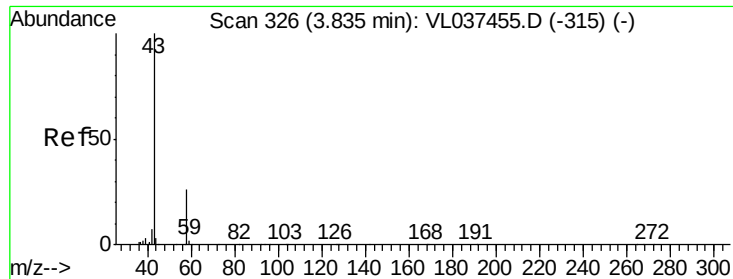
MMDadoda
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#14
Bromoethene
Concen: 0.470 ppbv m
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.8	85.8	128.8
79	18.4	12.6	18.8





#15

Acetone

Concen: 0.507 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 43 Resp: 70890

Ion Ratio Lower Upper

43 100

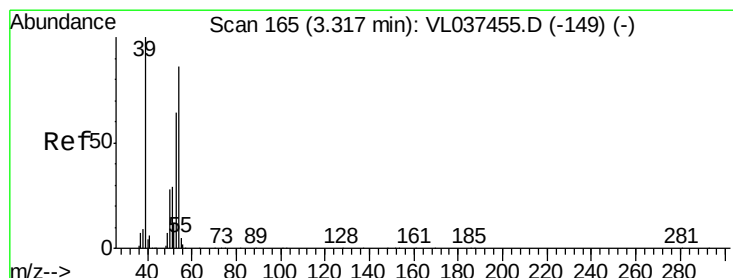
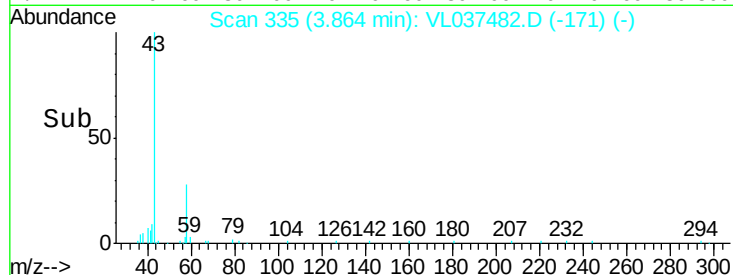
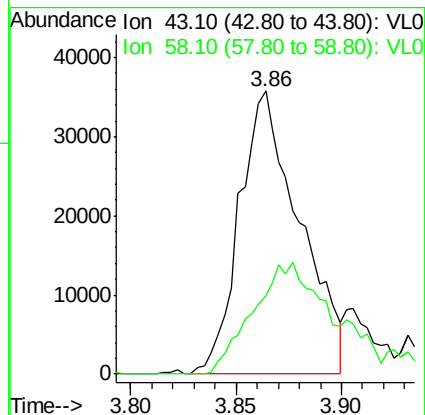
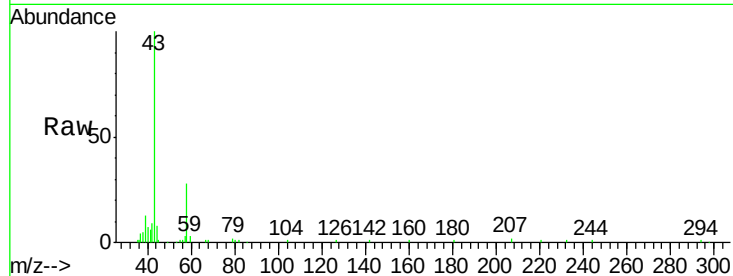
58 57.3 24.8 37.2#

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.512 ppbv m

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037482.D

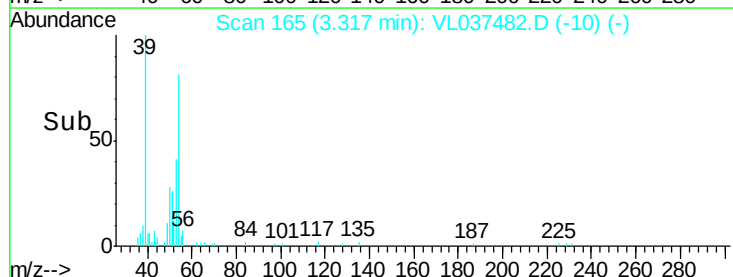
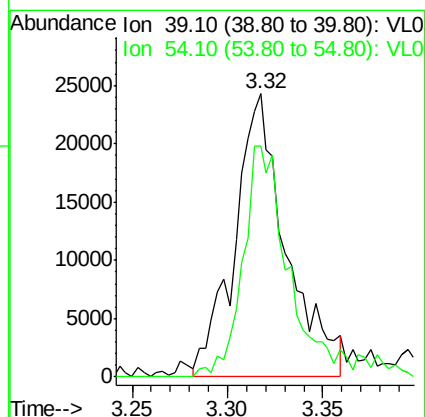
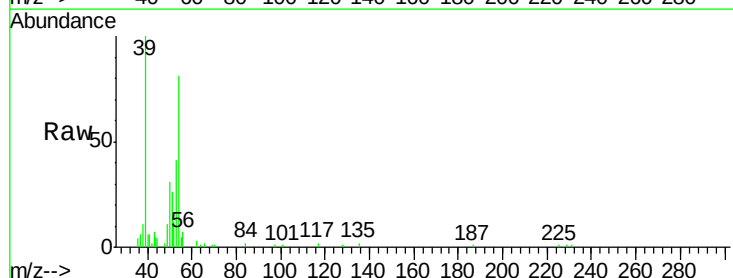
Acq: 17 Aug 2021 4:28

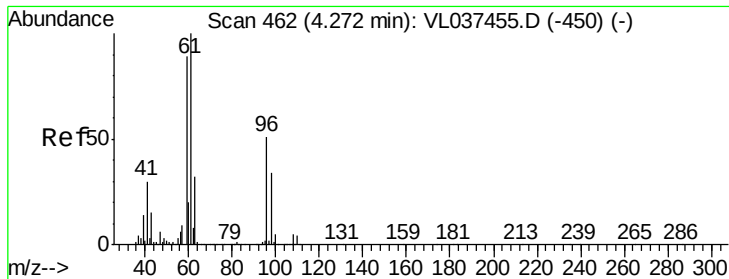
Tgt Ion: 39 Resp: 45955

Ion Ratio Lower Upper

39 100

54 76.8 63.7 95.5





#17

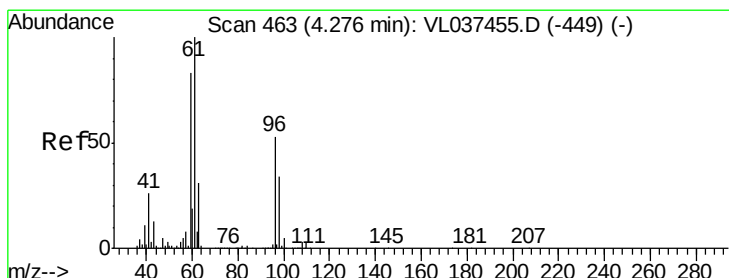
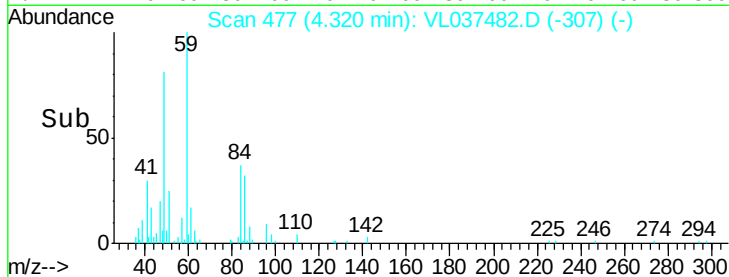
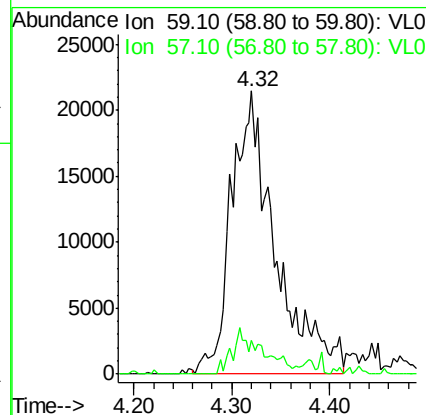
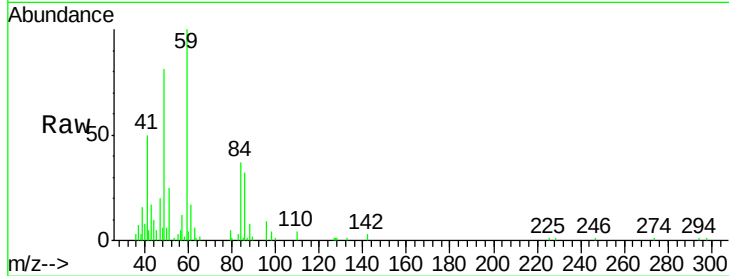
tert-Butyl alcohol
Concen: 0.521 ppbv m
RT: 4.32 min Scan# 477
Delta R.T. 0.05 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion: 59 Resp: 66470
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

Manual Integrations
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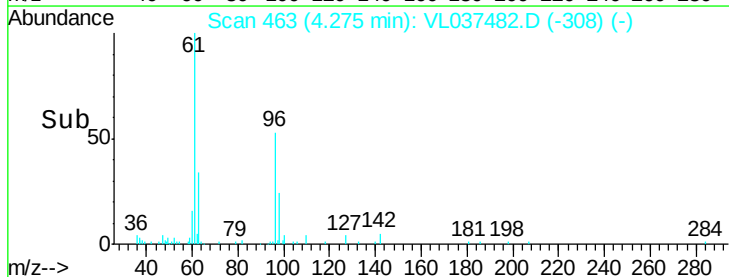
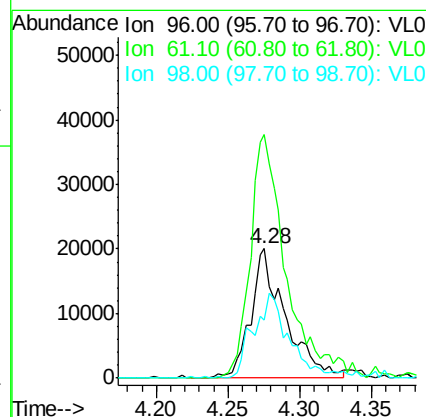
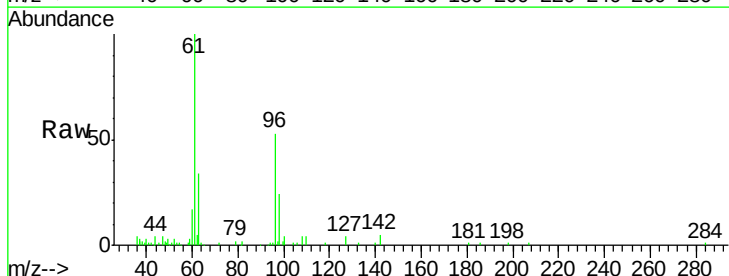
MMDadoda
8/19/2021 5:59:55 PM

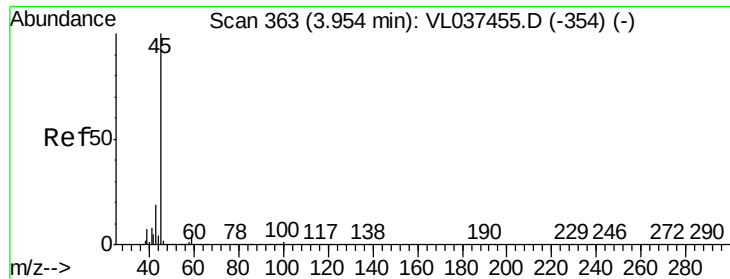


#18

1,1-Dichloroethene
Concen: 0.487 ppbv m
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion: 96 Resp: 33610
Ion Ratio Lower Upper
96 100
61 188.5 151.1 226.7
98 44.8 51.8 77.8#





#19

Isopropyl Alcohol

Concen: 0.499 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 45 Resp: 39924

Ion Ratio Lower Upper

45 100

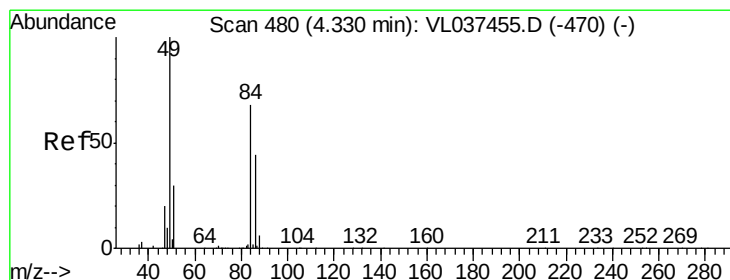
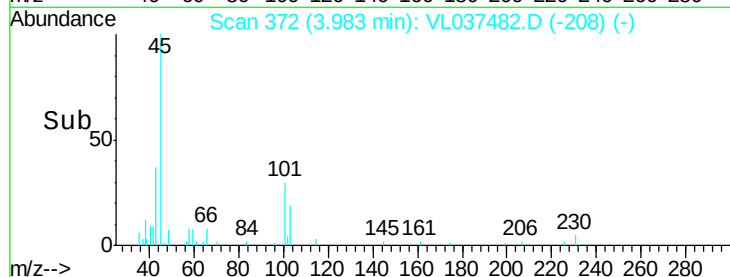
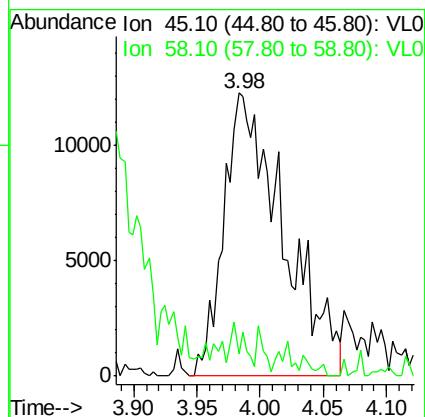
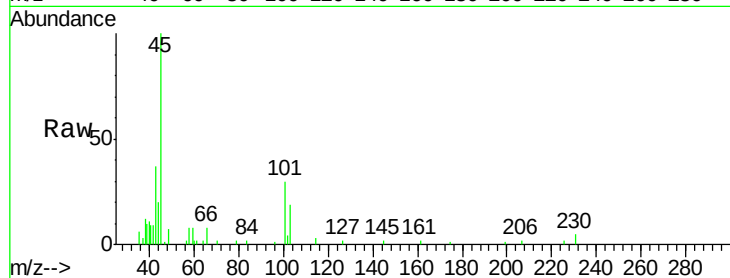
58 0.0 1.4 2.2#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.584 ppbv m

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion: 84 Resp: 40873

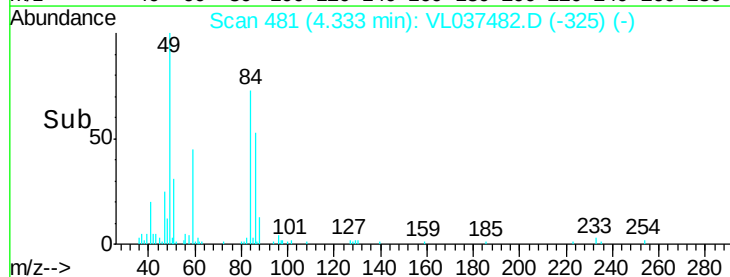
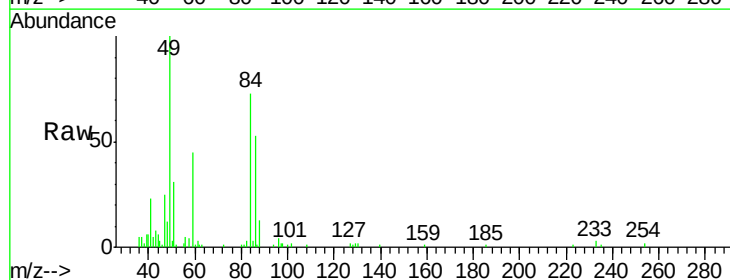
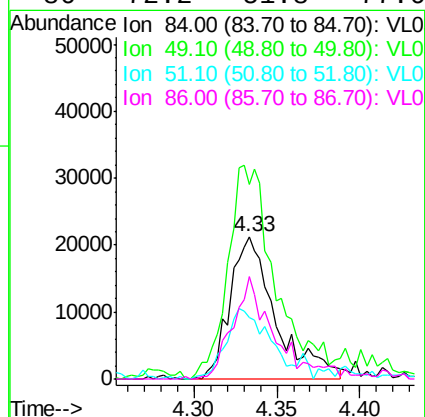
Ion Ratio Lower Upper

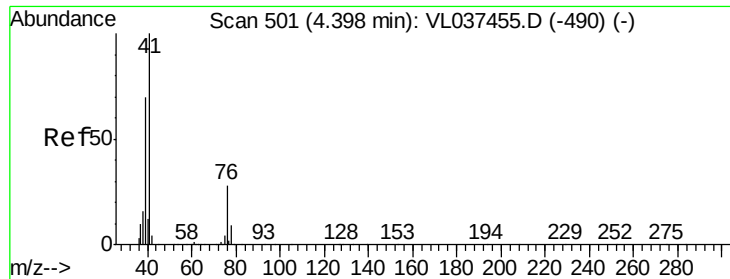
84 100

49 137.2 118.2 177.2

51 43.2 36.6 55.0

86 72.2 51.8 77.6





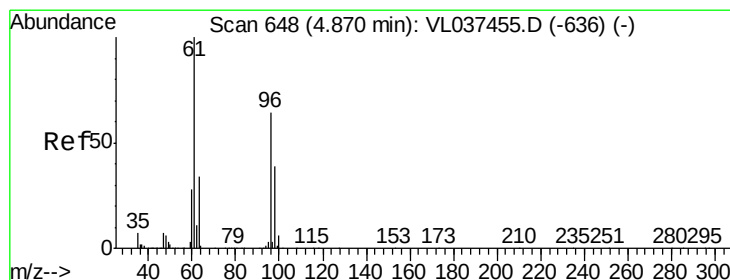
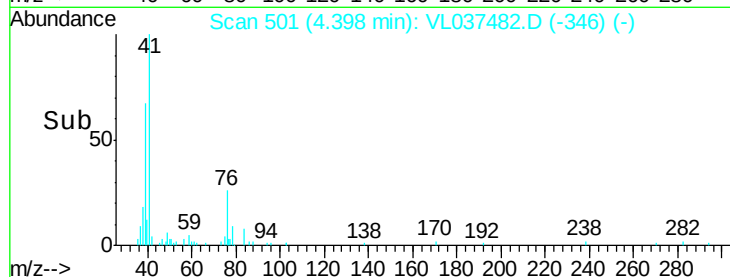
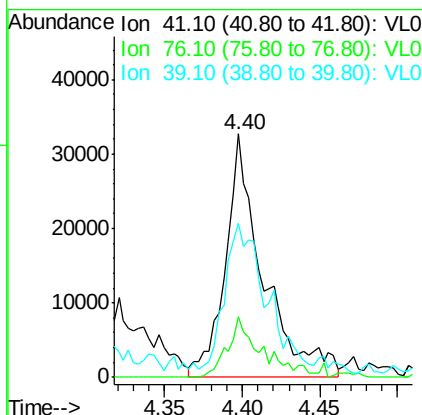
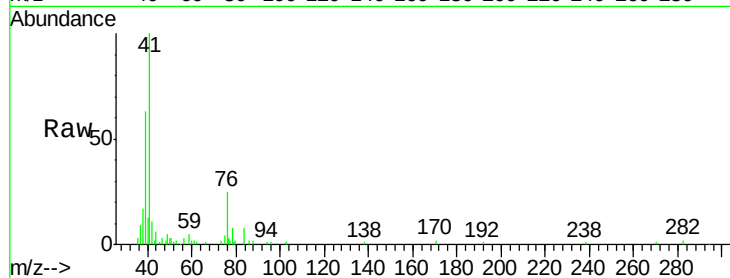
#21
Allvl Chloride
Concen: 0.486 ppbv m
RT: 4.40 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Lower	Upper
41	100		
76	24.7	21.8	32.6
39	79.4	56.8	85.2

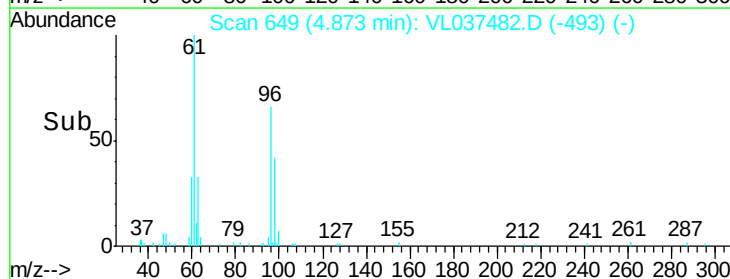
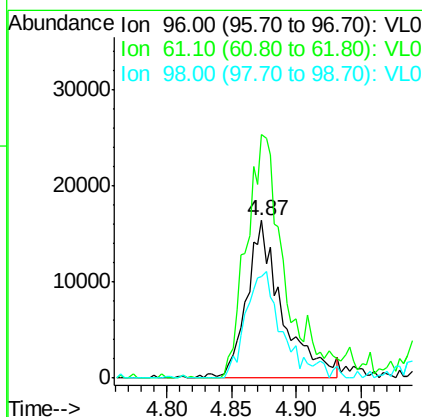
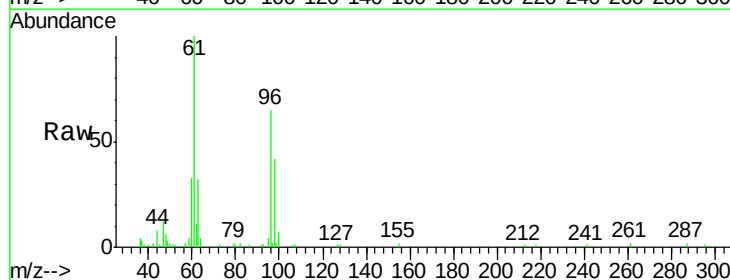
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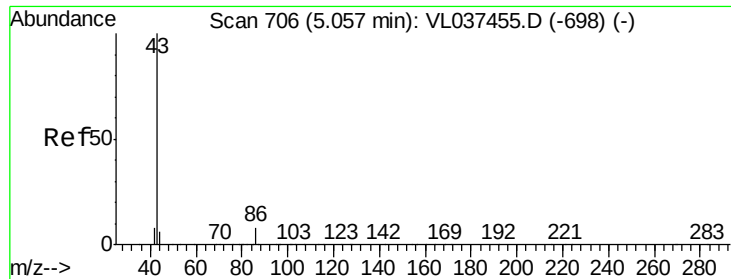
MMDadoda
8/19/2021 5:59:55 PM



#22
trans-1,2-Dichloroethene
Concen: 0.453 ppbv m
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	125.5	188.3
98	64.7	49.0	73.4





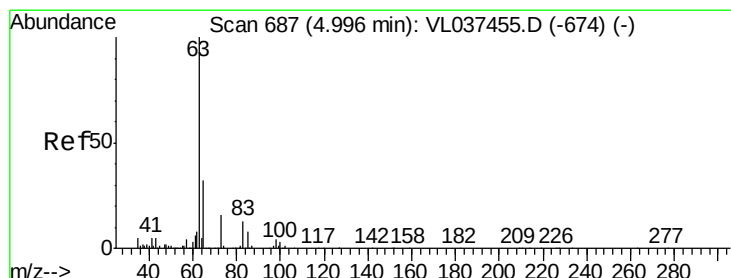
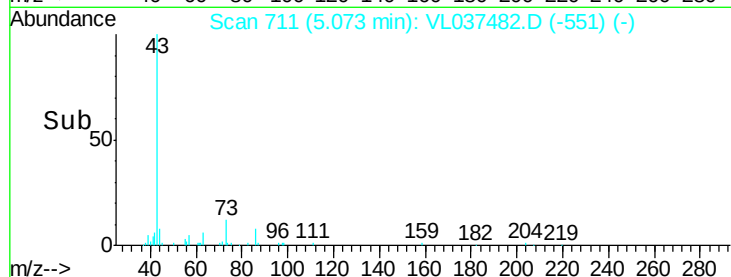
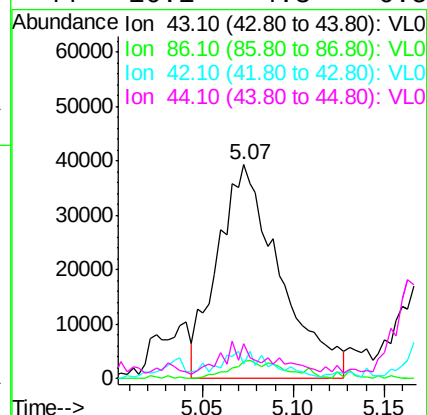
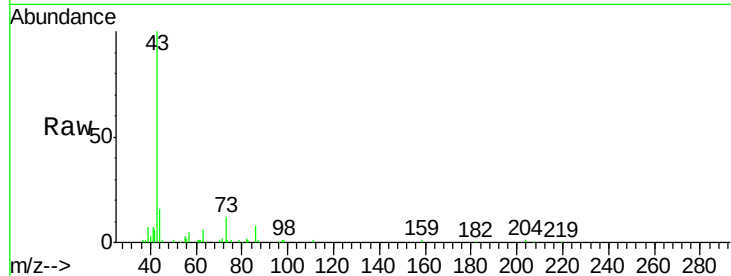
#23
 Vinyl Acetate
 Concen: 0.454 ppbv m
 RT: 5.07 min Scan# 711
 Delta R.T. 0.02 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

Tot Ion	43	Resp:	93606
Ion Ratio	Lower	Upper	
43	100		
86	7.9	5.7	8.5
42	6.4	7.4	11.2#
44	16.1	4.3	6.5#

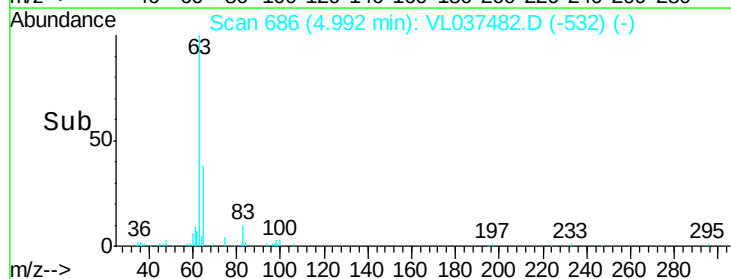
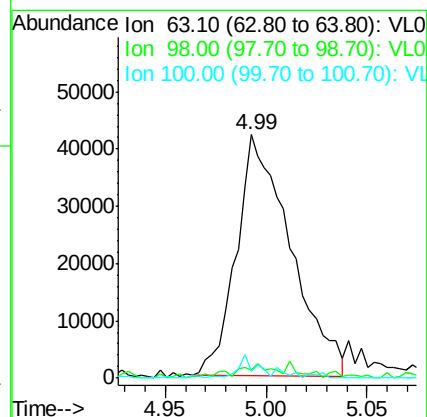
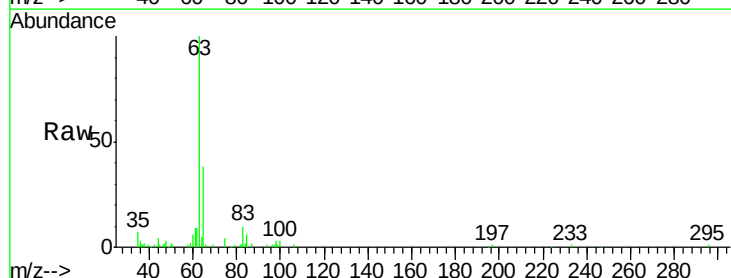
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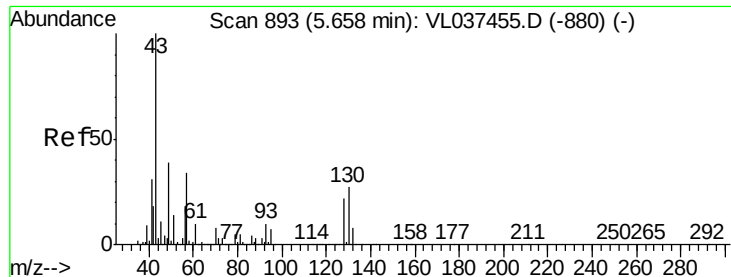
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#24
 1,1-Dichloroethane
 Concen: 0.531 ppbv
 RT: 4.99 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

Tgt Ion	63	Resp:	79327
Ion Ratio	Lower	Upper	
63	100		
98	2.5	2.1	6.3
100	3.0	1.6	4.7





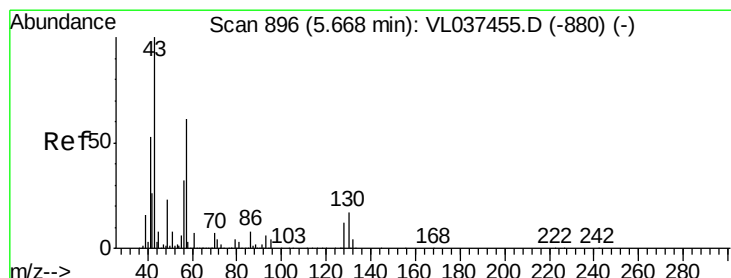
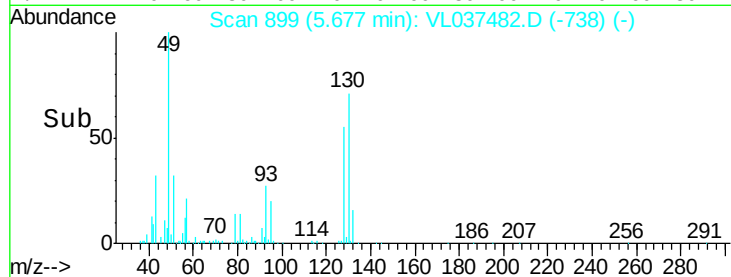
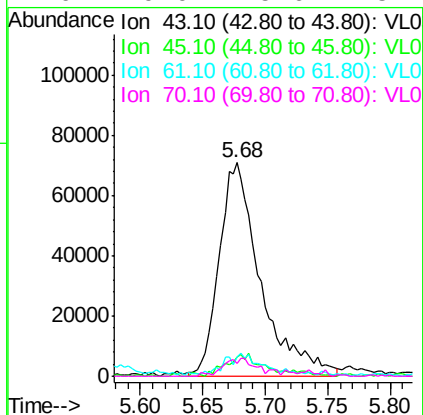
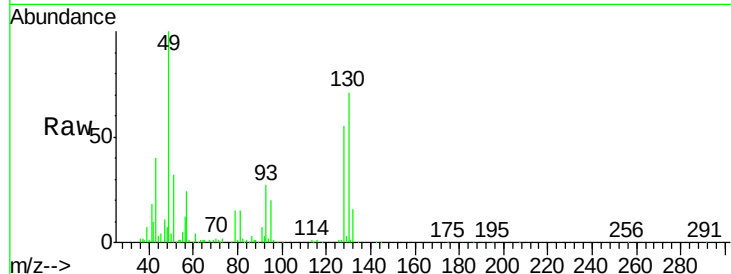
#25
Ethyl Acetate
Concen: 0.462 ppbv m
RT: 5.68 min Scan# 899
Delta R.T. 0.02 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.0	12.0
61	11.3	8.0	12.0
70	9.0	5.6	8.4

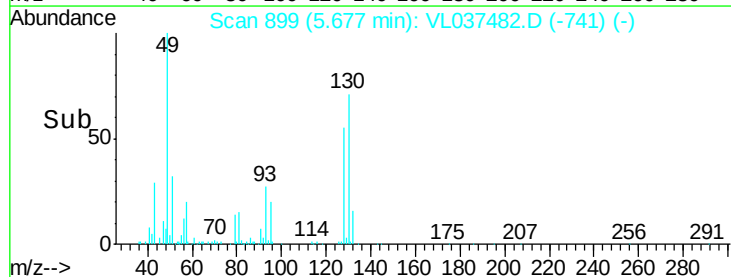
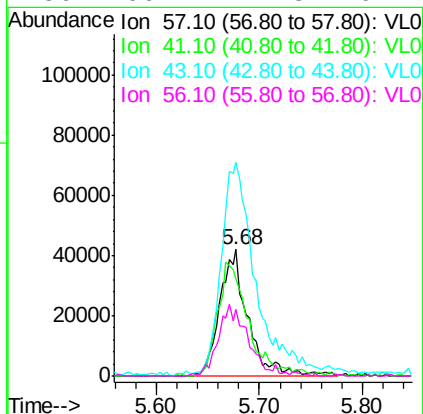
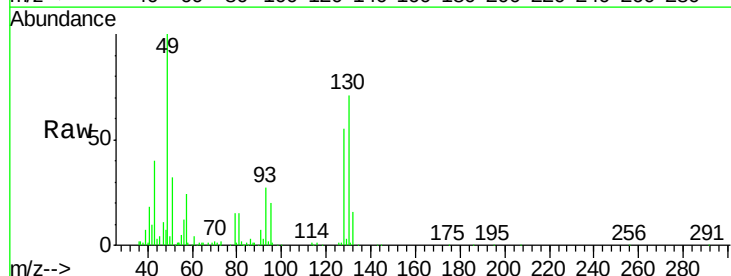
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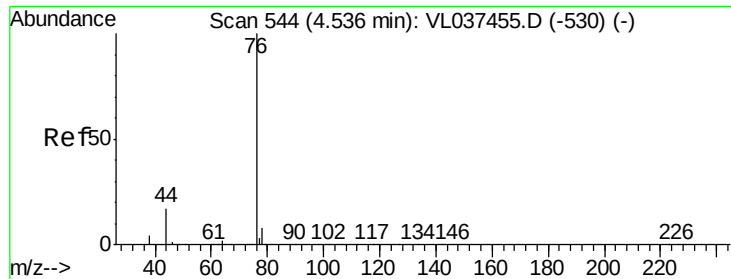
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#26
Hexane
Concen: 0.460 ppbv m
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Lower	Upper
57	100		
41	100.5	72.3	108.5
43	210.6	172.3	258.5
56	60.4	42.8	64.2





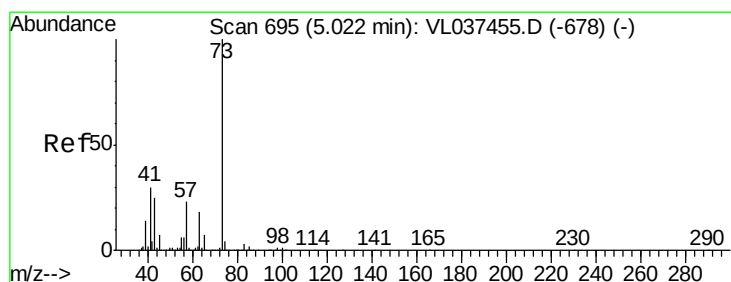
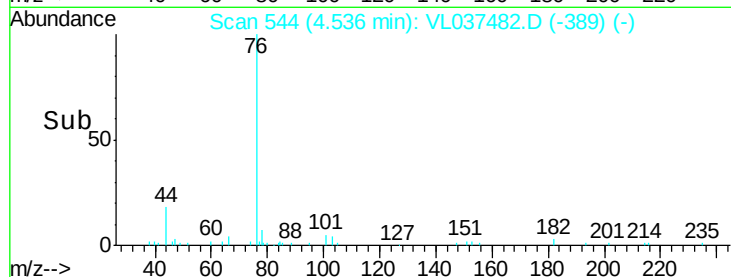
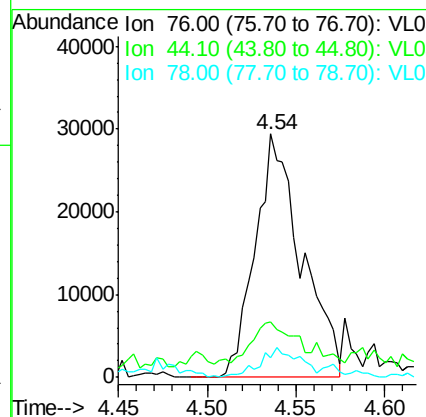
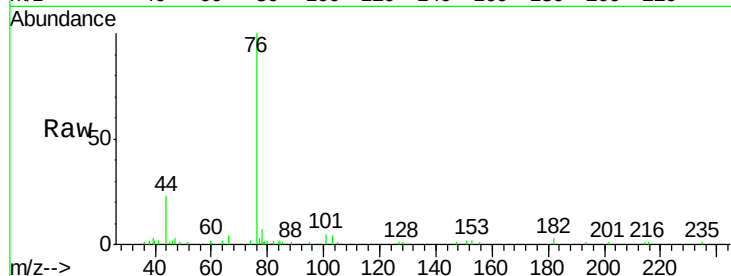
#27
Carbon Disulfide
Concen: 0.345 ppbv m
RT: 4.54 min Scan# 544
Delta R.T. -0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Lower	Upper
76	100		
44	27.1	13.9	20.9#
78	13.1	7.9	11.9#

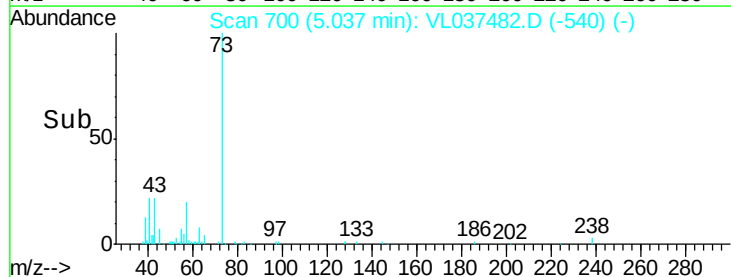
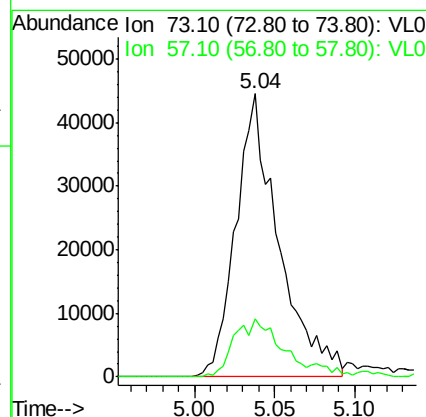
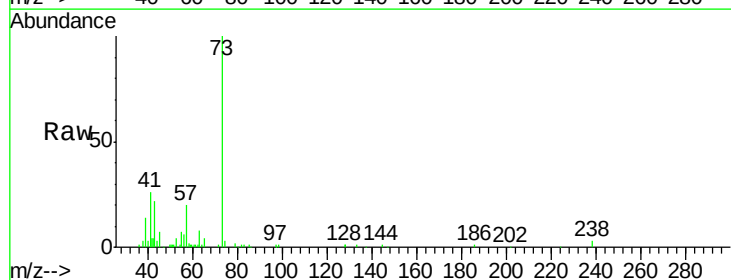
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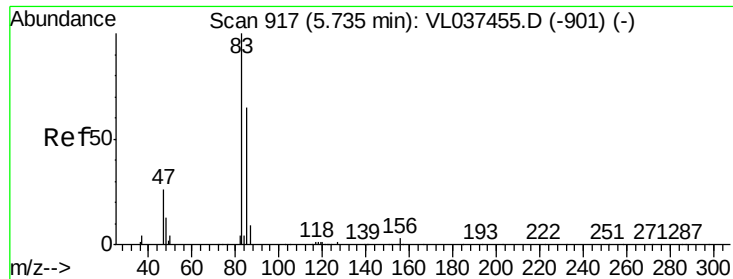
MMDadoda
8/19/2021 5:59:55 PM



#28
Methyl tert-Butyl Ether
Concen: 0.489 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.02 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Lower	Upper
73	100		
57	25.5	19.4	29.2





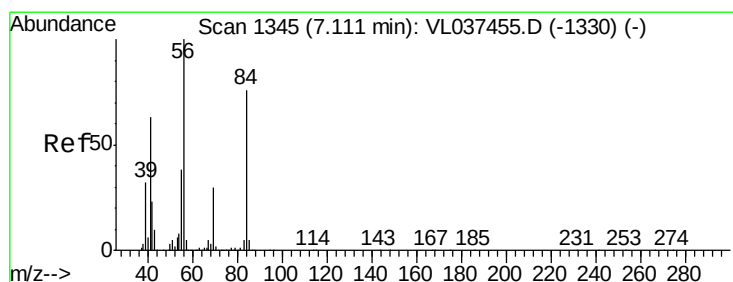
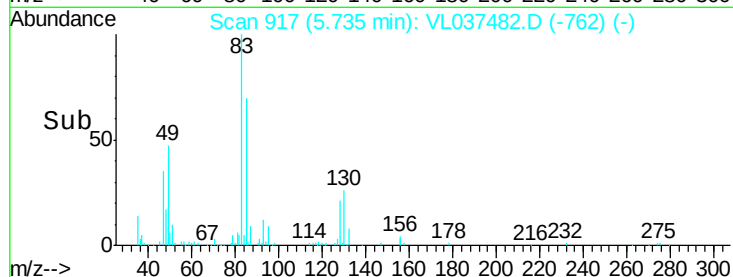
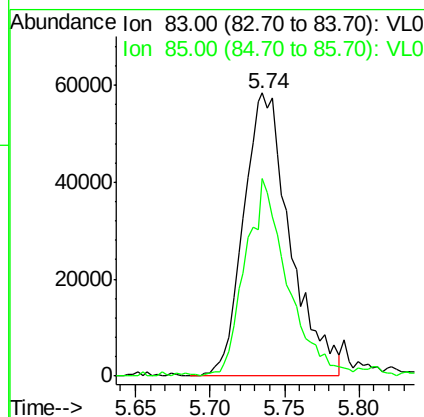
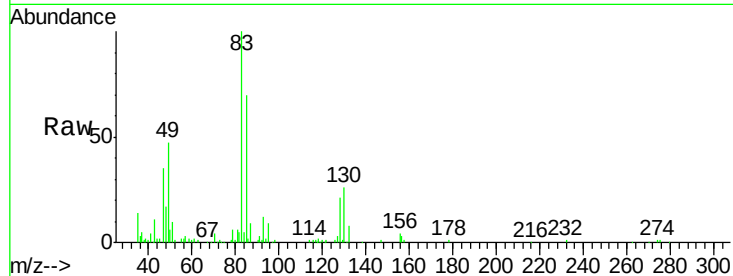
#29
Chloroform
Concen: 0.514 ppbv m
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion: 83 Resp: 126460
Ion Ratio Lower Upper
83 100
85 69.7 52.3 78.5

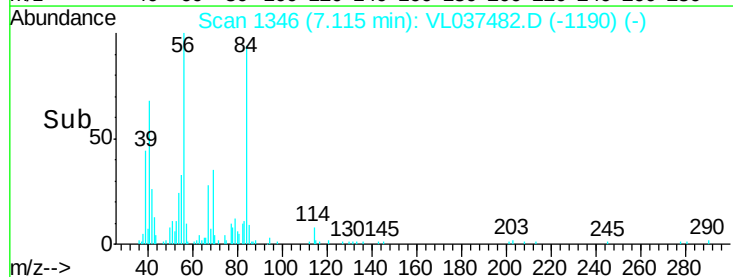
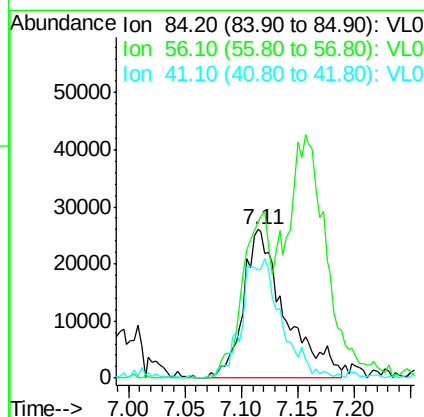
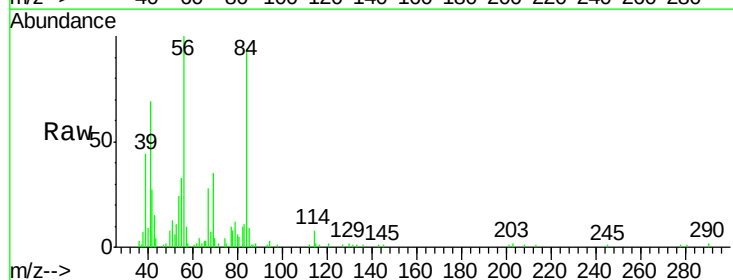
Manual Integrations
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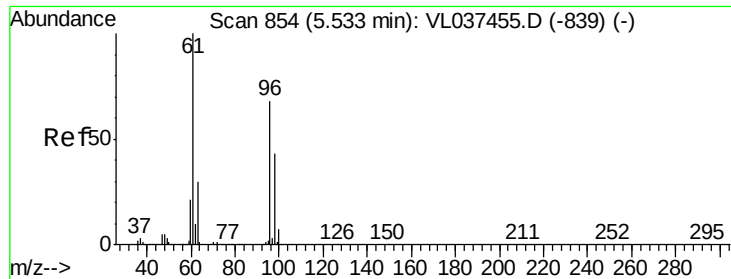
MMDadoda
8/19/2021 5:59:55 PM



#30
Cyclohexane
Concen: 0.465 ppbv m
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion: 84 Resp: 67268
Ion Ratio Lower Upper
84 100
56 73.3 110.6 165.8#
41 77.5 67.0 100.6





#31

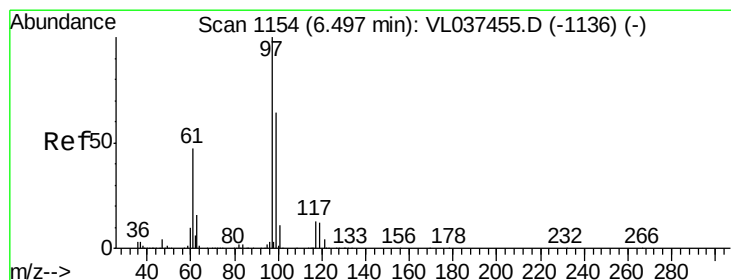
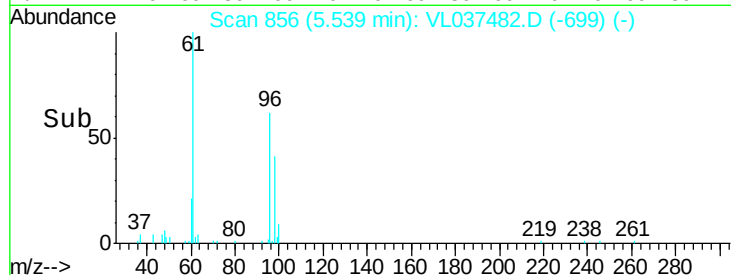
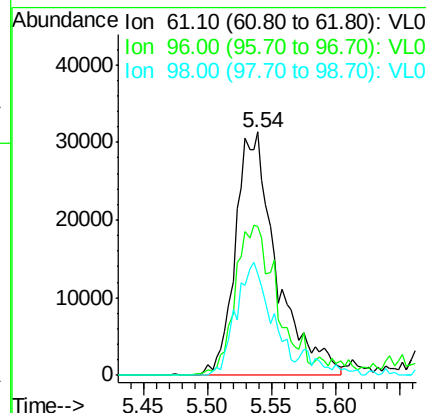
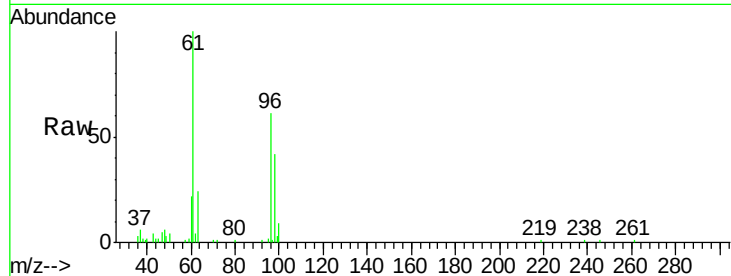
cis-1,2-Dichloroethene
Concen: 0.444 ppbv m
RT: 5.54 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
61	100	69670		
96	60.9		54.8	82.2
98	41.8		34.2	51.2

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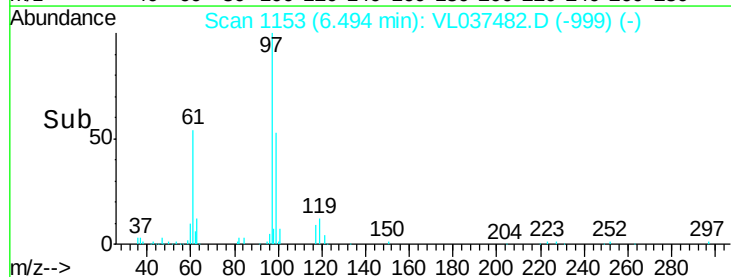
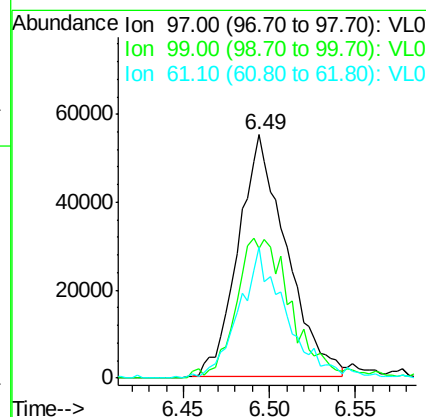
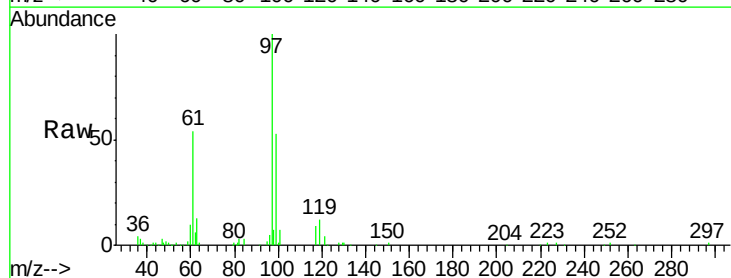
MMDadoda
8/19/2021 5:59:55 PM

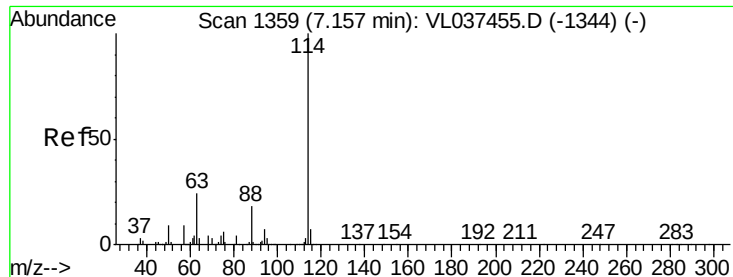


#32

1,1,1-Trichloroethane
Concen: 0.443 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	107138		
99	67.7		51.8	77.6
61	53.5		39.6	59.4





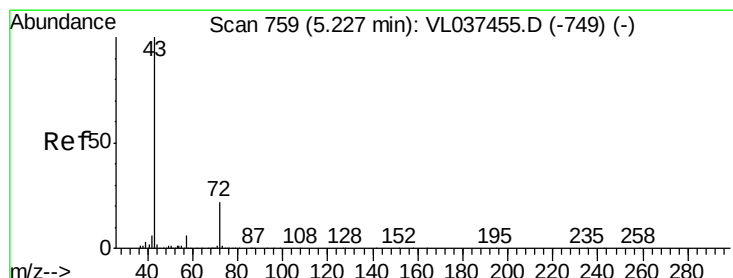
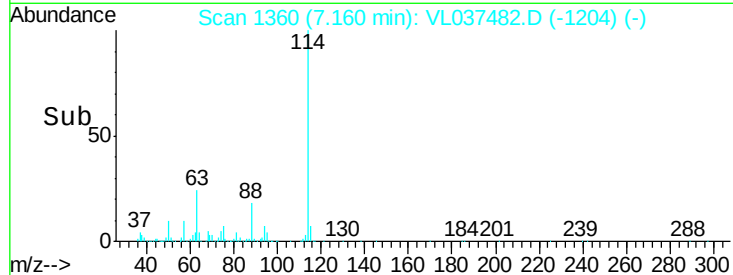
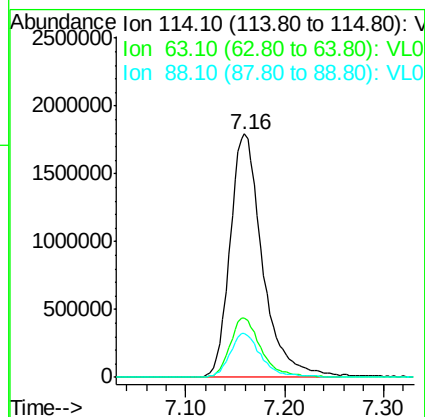
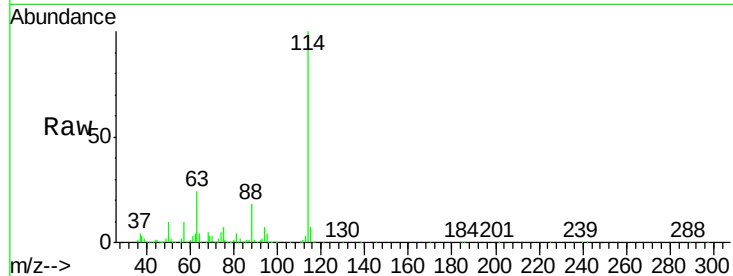
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.3	28.9
88	17.8	14.2	21.4

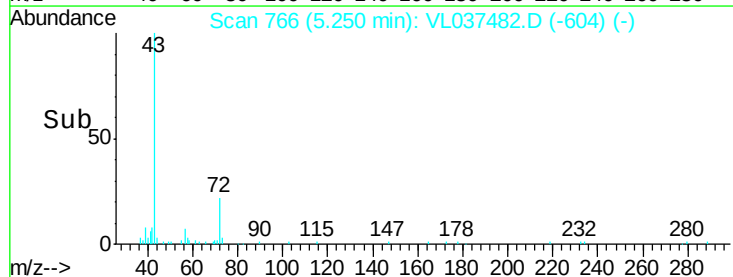
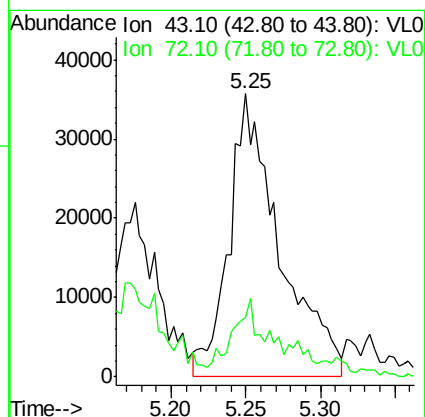
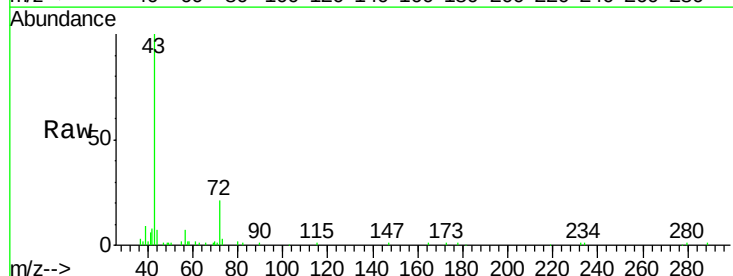
Manual Integrations
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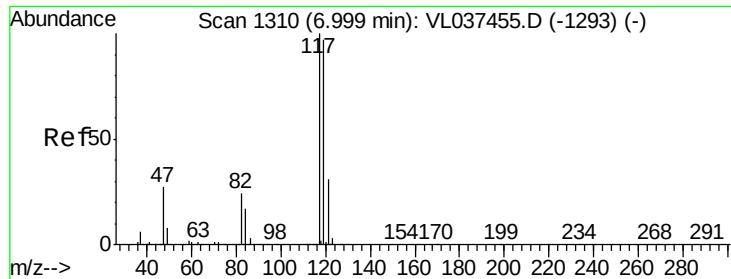
MMDadoda
 8/19/2021 5:59:55 PM



#34
 2-Butanone
 Concen: 0.497 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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





#35

Carbon Tetrachloride

Concen: 0.418 ppbv m

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

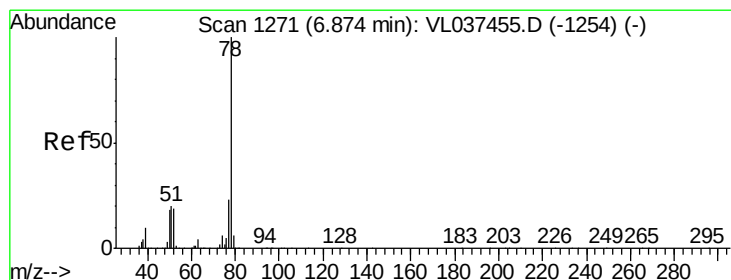
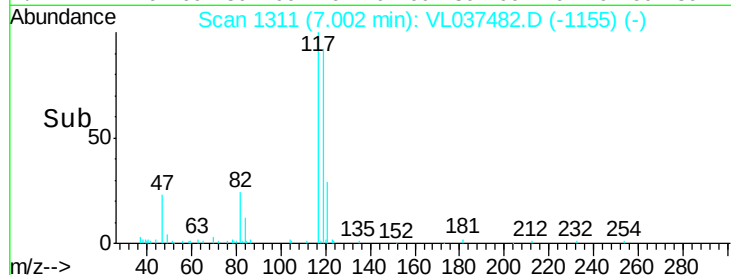
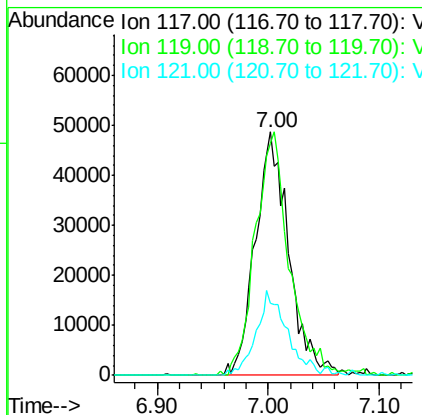
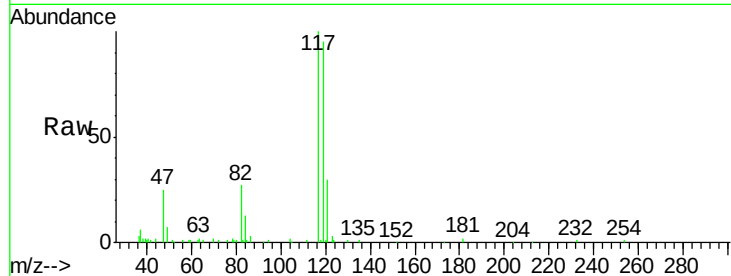
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:	117	Resp:	101862
Ion Ratio	Lower	Upper	
117	100		
119	95.4	77.3	115.9
121	29.6	25.2	37.8

Manual Integrations
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#36

Benzene

Concen: 0.408 ppbv

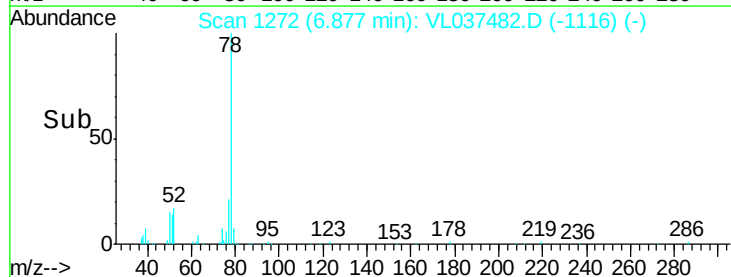
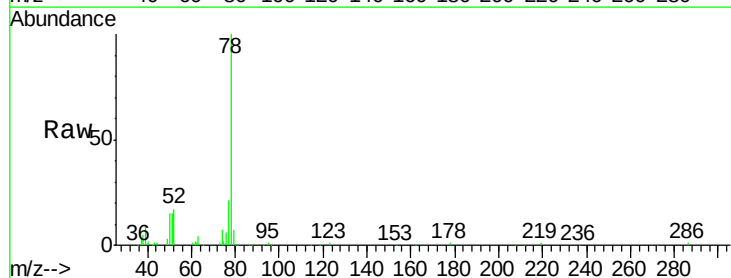
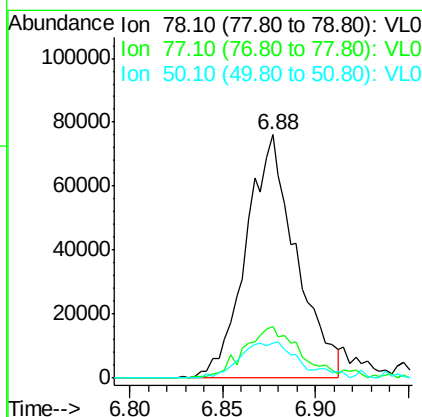
RT: 6.88 min Scan# 1272

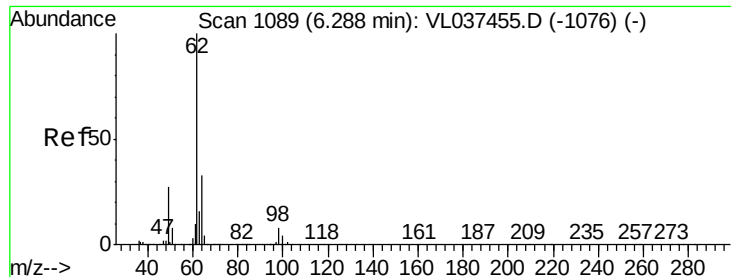
Delta R.T. 0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion:	78	Resp:	141439
Ion Ratio	Lower	Upper	
78	100		
77	21.5	18.2	27.4
50	14.1	14.6	21.8#





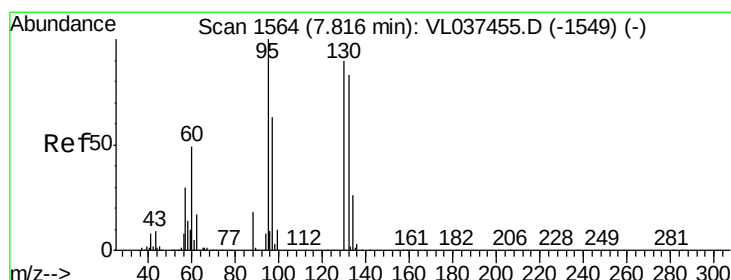
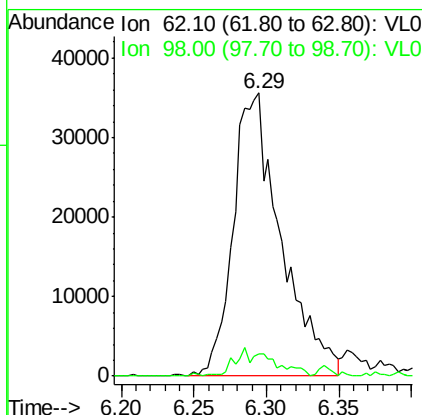
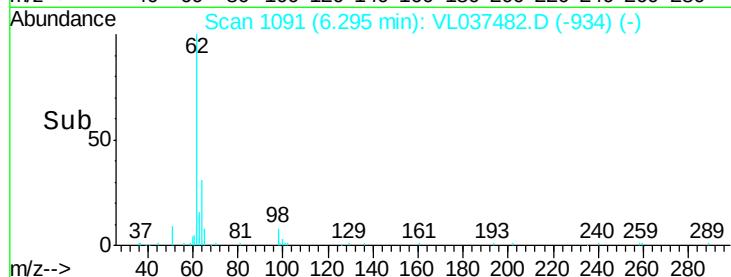
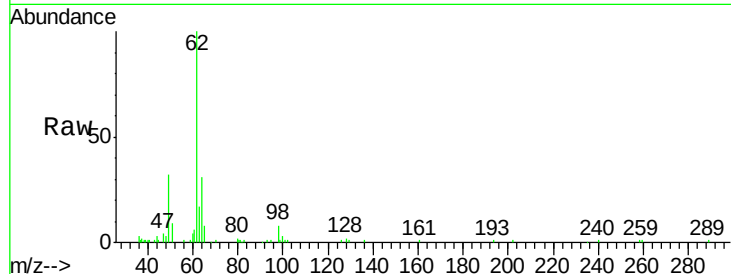
#37
 1,2-Dichloroethane
 Concen: 0.474 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
62	100	81375		
98	7.8	6.0	9.0	

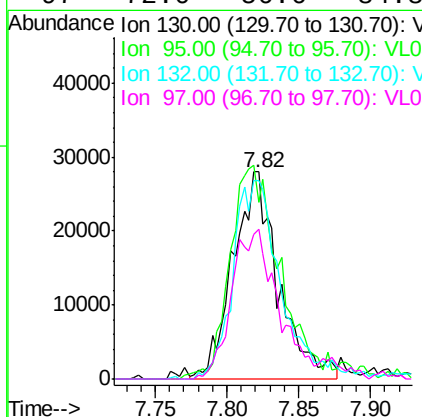
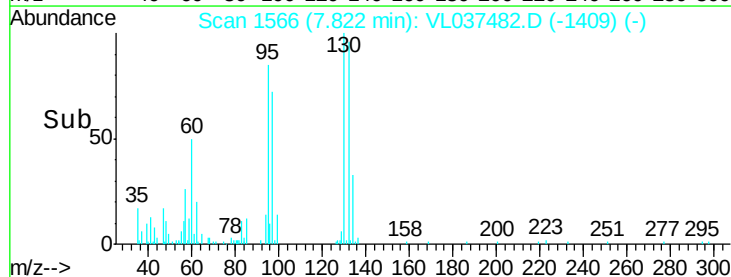
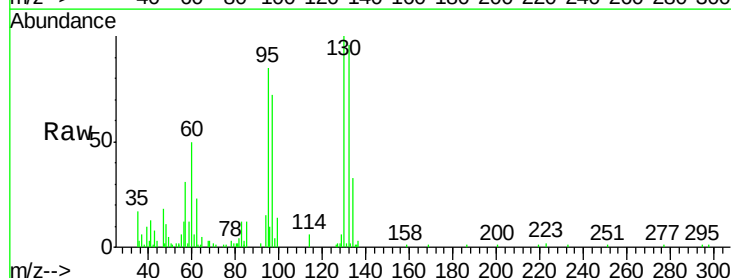
Manual Integrations
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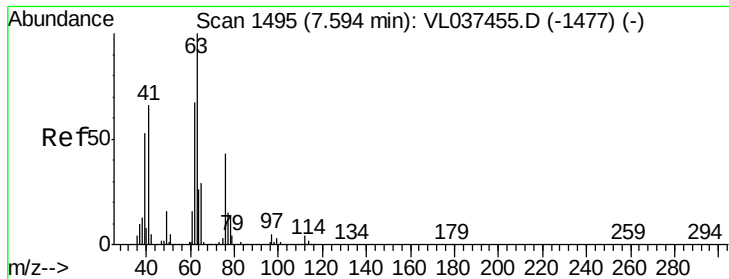
MMDadoda
 8/19/2021 5:59:55 PM



#38
 Trichloroethene
 Concen: 0.431 ppbv m
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	61362		
95	85.3	89.2	133.8#	
132	95.8	74.0	111.0	
97	72.0	56.6	84.8	





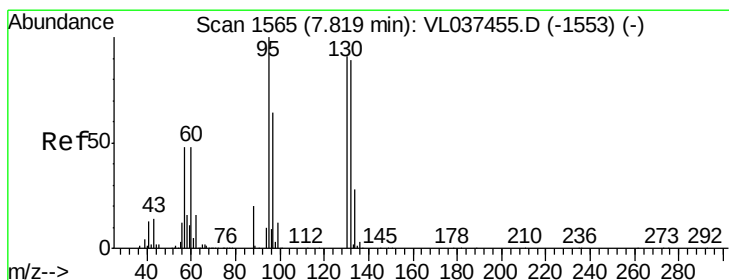
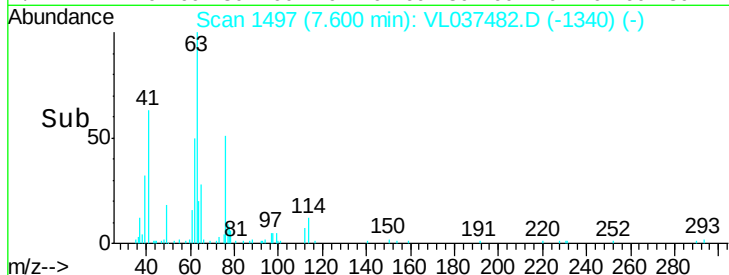
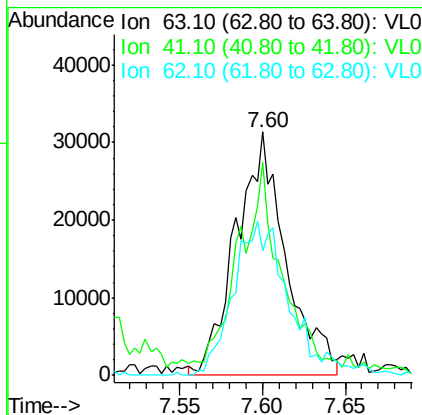
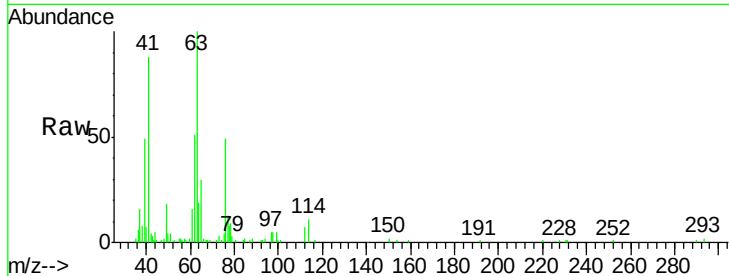
#39
 1,2-Dichloropropane
 Concen: 0.491 ppbv m
 RT: 7.60 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Lower	Upper
63	100		
41	87.5	52.4	78.6#
62	51.0	53.6	80.4#

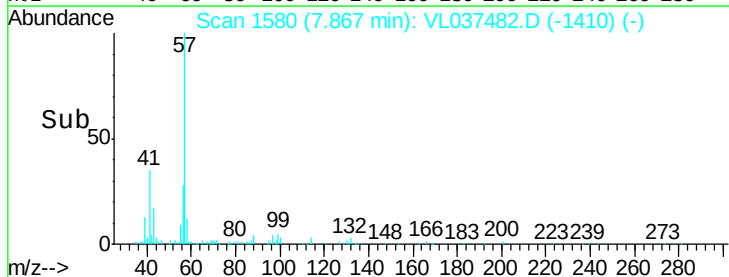
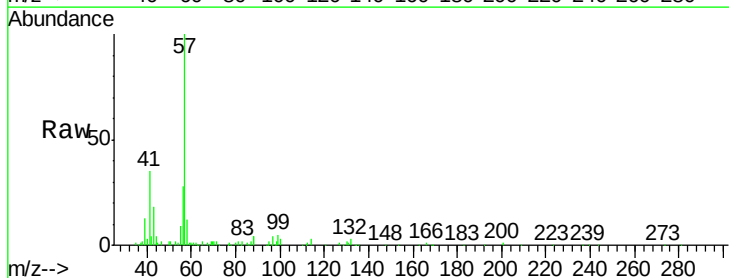
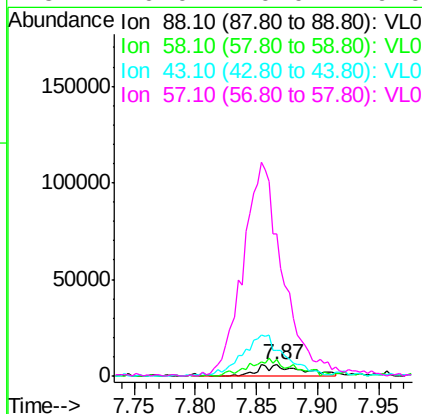
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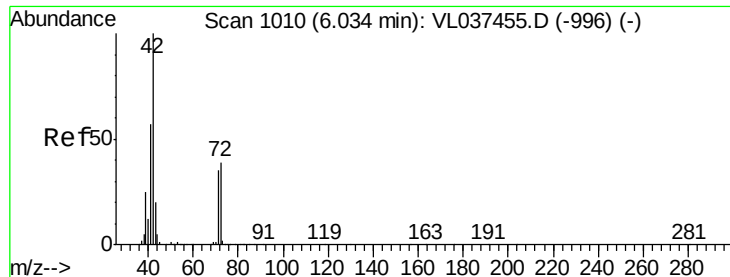
MMDadoda
 8/19/2021 5:59:55 PM



#40
 1,4-Dioxane
 Concen: 0.447 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.05 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

Tgt 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: 0.368 ppbv m

RT: 6.07 min Scan# 1020

Delta R.T. 0.03 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

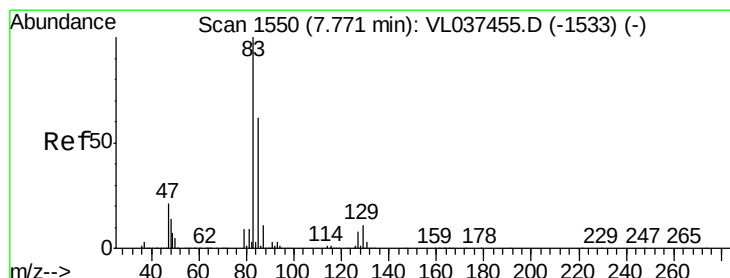
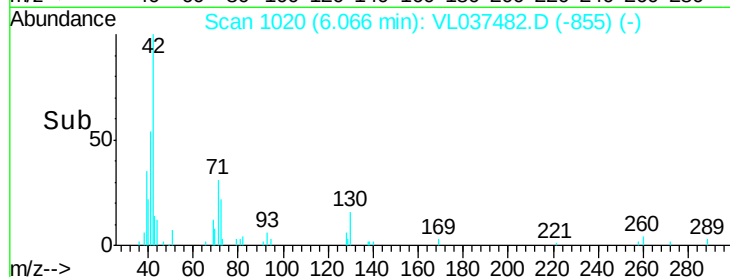
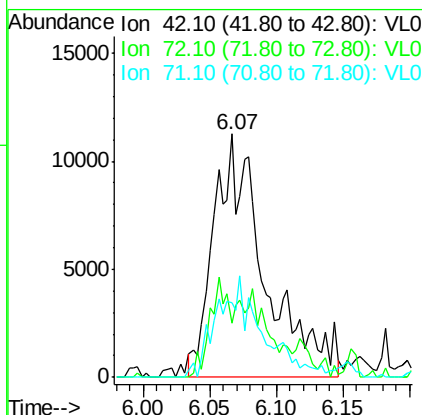
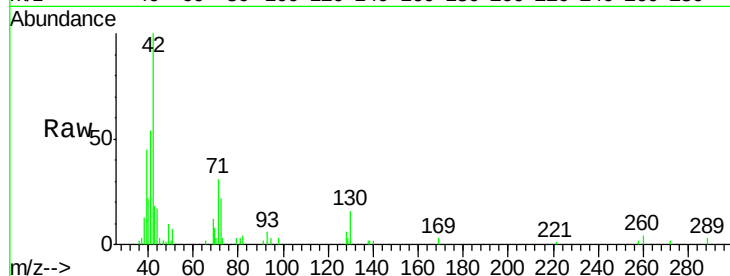
ClientSampleId :

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#

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.405 ppbv

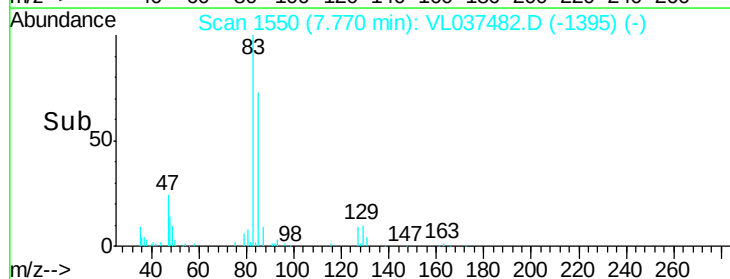
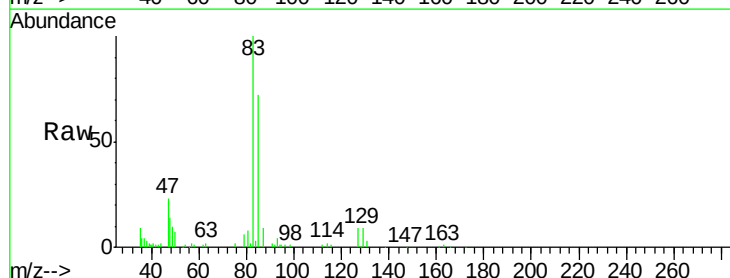
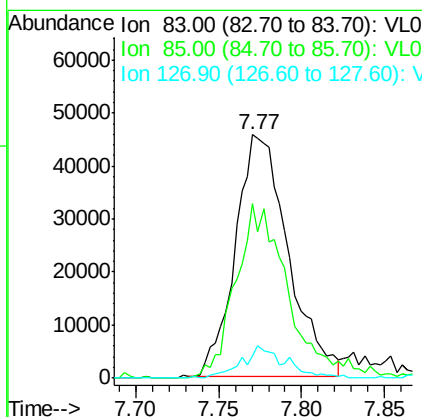
RT: 7.77 min Scan# 1550

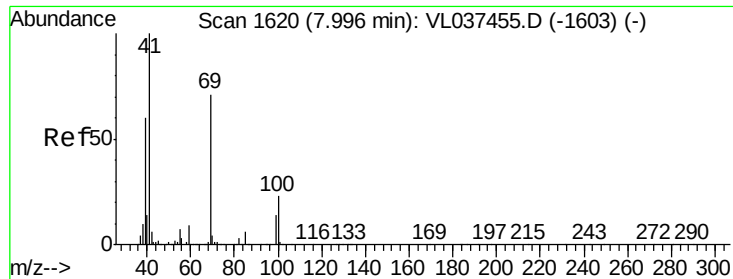
Delta R.T. -0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.9	49.5	74.3
127	9.0	6.3	9.5





#43

Methyl Methacrylate

Concen: 0.350 ppbv m

RT: 8.01 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

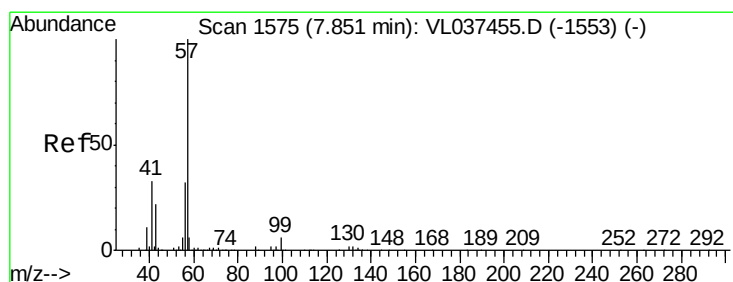
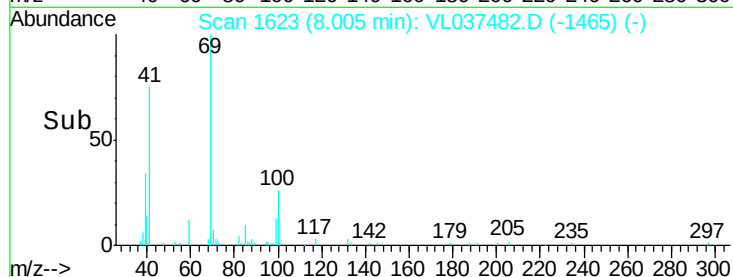
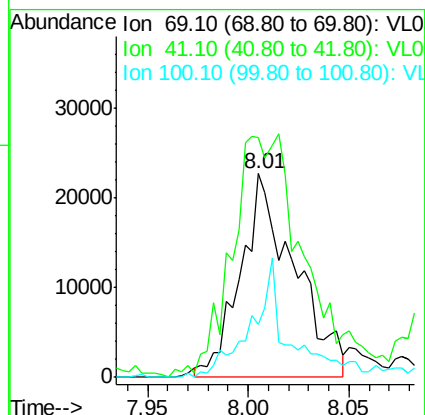
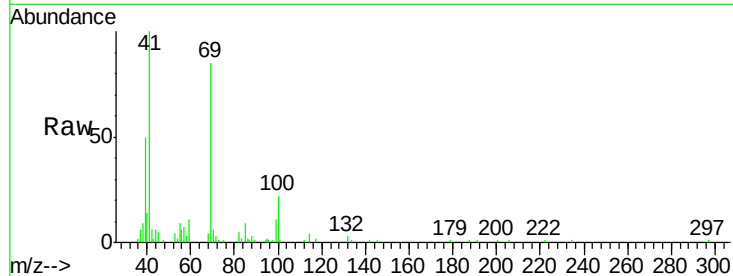
Instrument :
MSVOA_L

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		42257		
41	0.0	118.6	178.0#		
100	0.0	27.4	41.0#		

Manual Integrations
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8/19/2021 5:59:55 PM



#44

2,2,4-Trimethylpentane

Concen: 0.408 ppbv

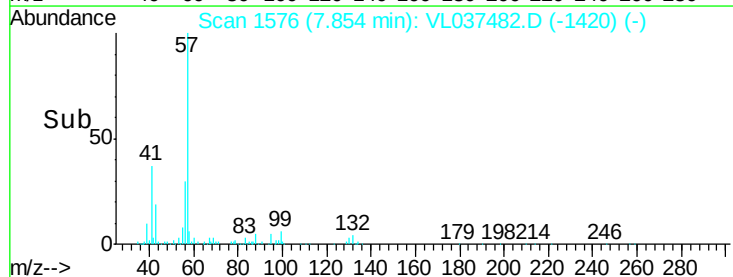
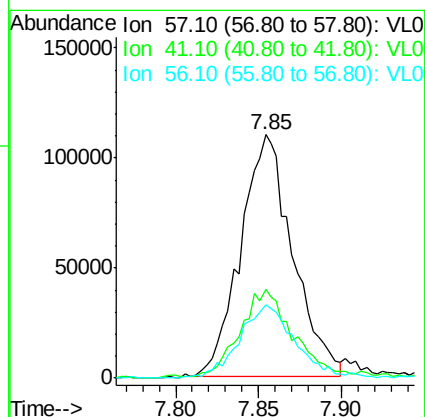
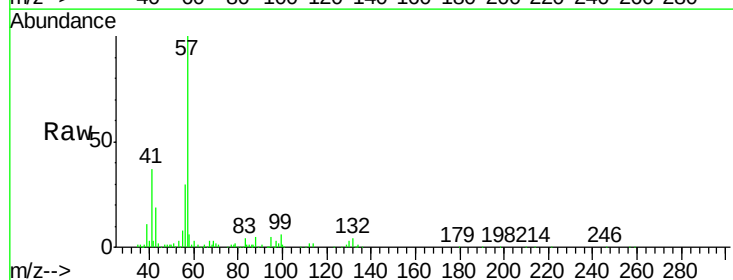
RT: 7.85 min Scan# 1576

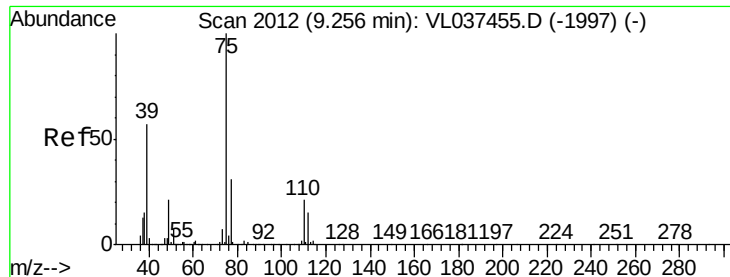
Delta R.T. 0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		238448		
41	38.1	26.2	39.4		
56	33.4	25.4	38.2		





#45

t-1,3-Dichloropropene

Concen: 0.316 ppbv m

RT: 9.27 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 75 Resp: 28745

Ion Ratio Lower Upper

75 100

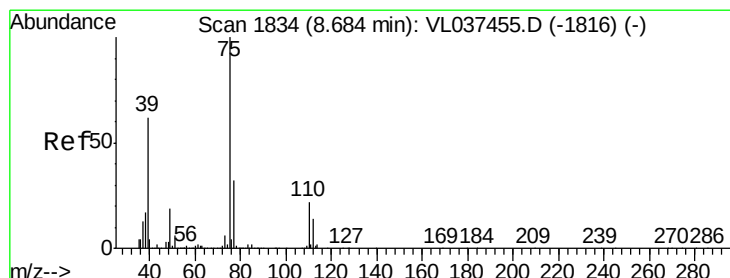
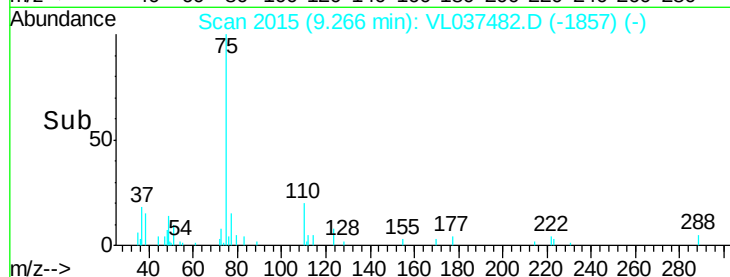
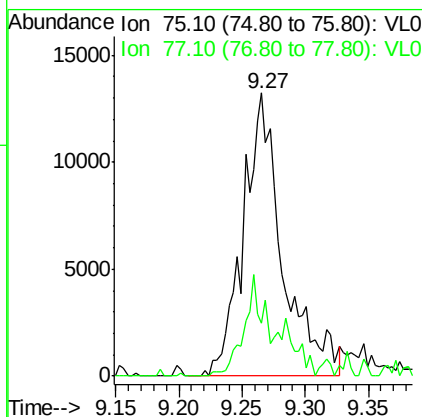
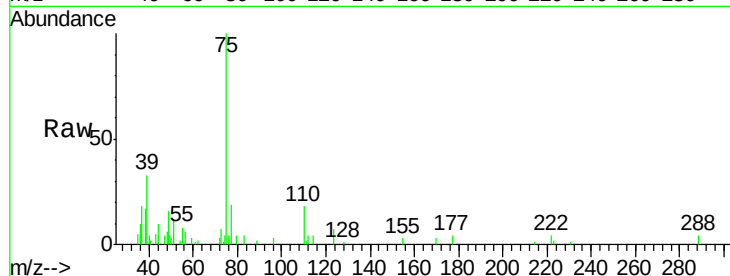
77 18.9 24.5 36.7#

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#46

cis-1,3-Dichloropropene

Concen: 0.314 ppbv m

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

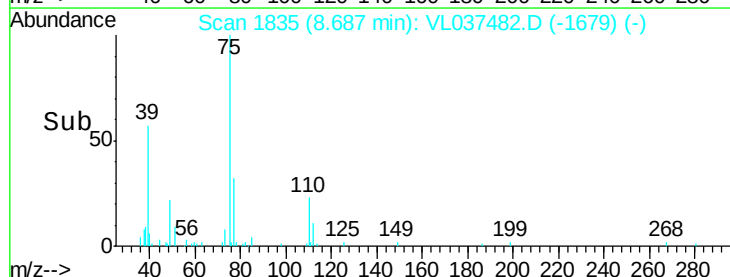
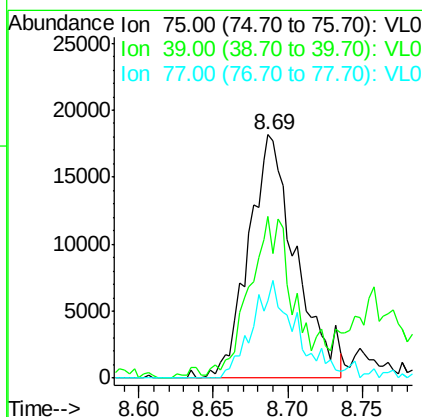
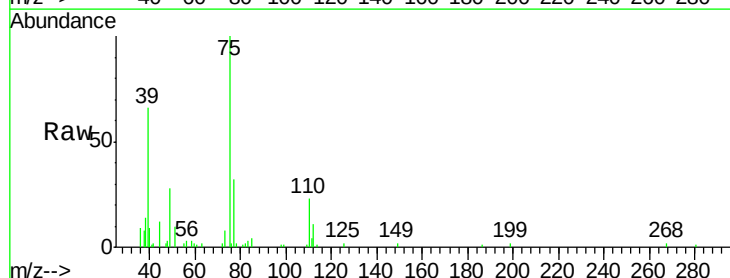
Tgt Ion: 75 Resp: 39841

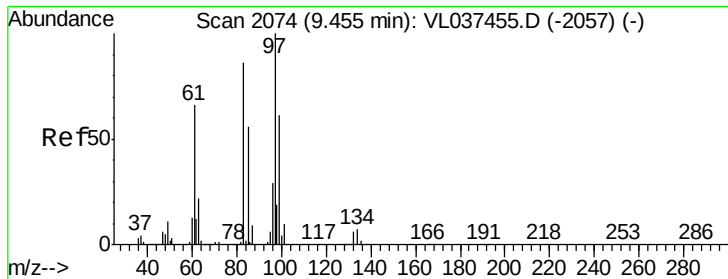
Ion Ratio Lower Upper

75 100

39 66.2 49.7 74.5

77 31.6 25.4 38.0





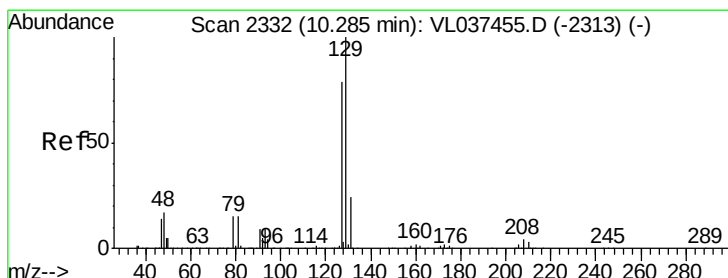
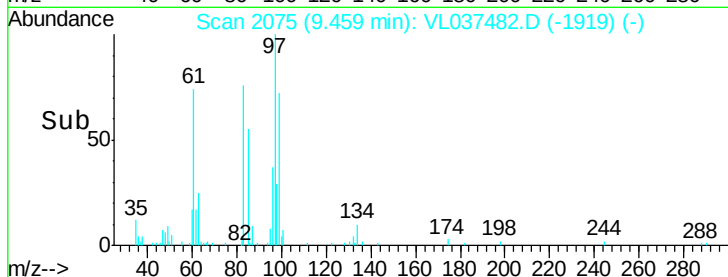
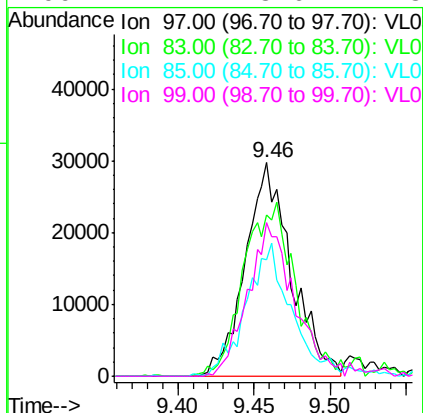
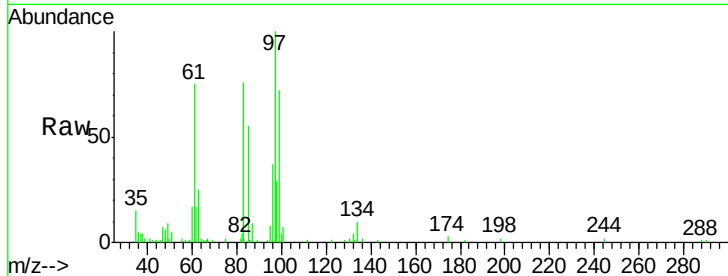
#47
 1,1,2-Trichloroethane
 Concen: 0.434 ppbv m
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

Tot Ion	97	Resp	62472
Ion	Ratio	Lower	Upper
97	100		
83	75.8	68.7	103.1
85	54.7	44.7	67.1
99	72.2	48.6	72.8

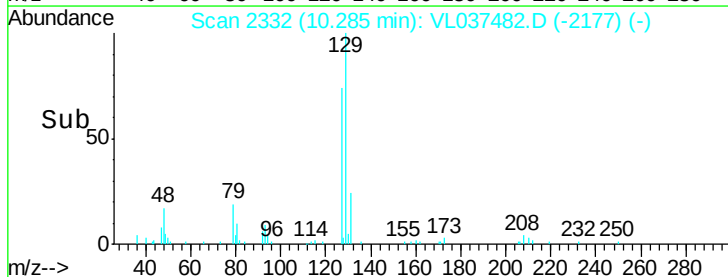
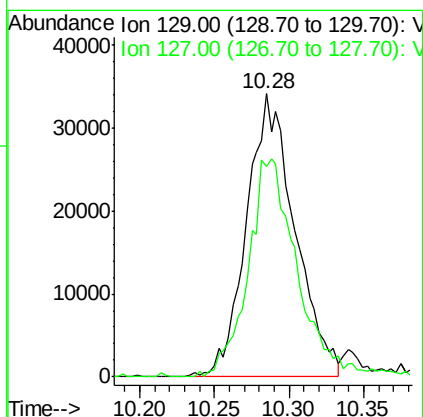
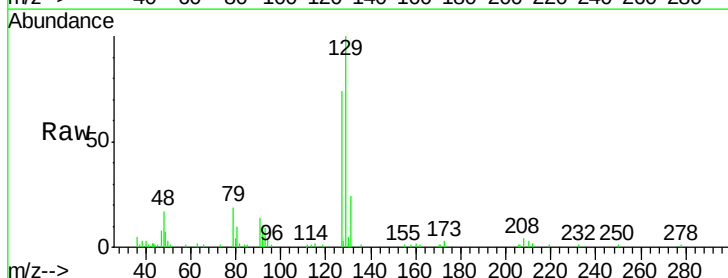
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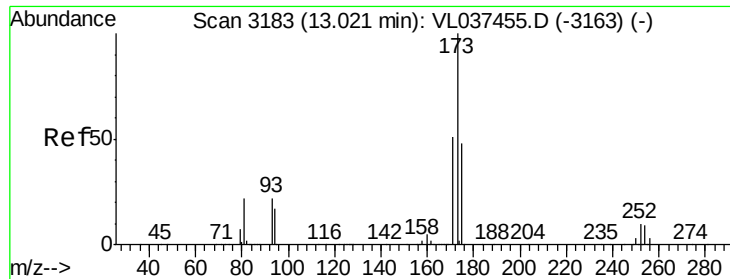
MMDadoda
 8/19/2021 5:59:55 PM



#48
 Dibromochloromethane
 Concen: 0.370 ppbv m
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

Tgt Ion	129	Resp	76726
Ion	Ratio	Lower	Upper
129	100		
127	79.9	40.0	120.0





#49

Bromoform

Concen: 0.324 ppbv m

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

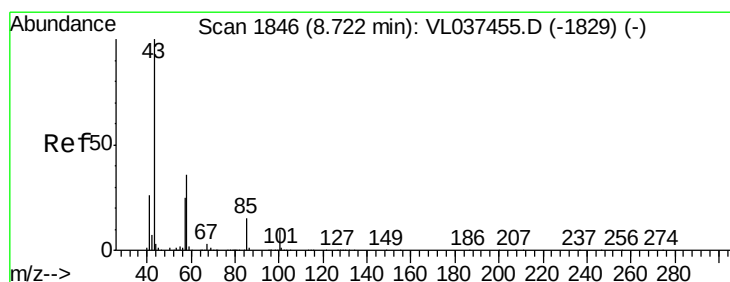
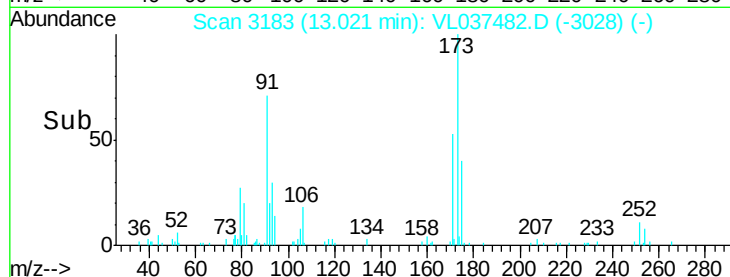
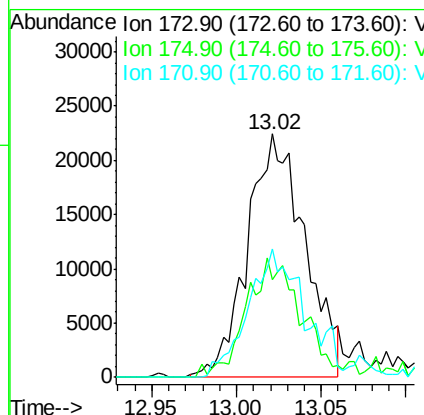
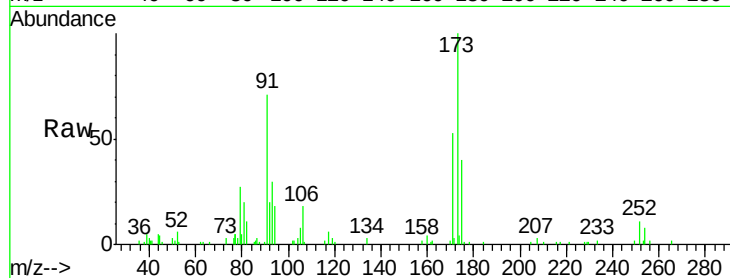
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	41.9	62.9#
171	0.0	44.2	66.4#

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#50

4-Methyl-2-Pentanone

Concen: 0.350 ppbv m

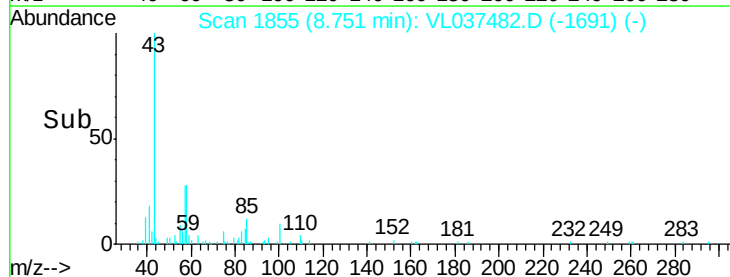
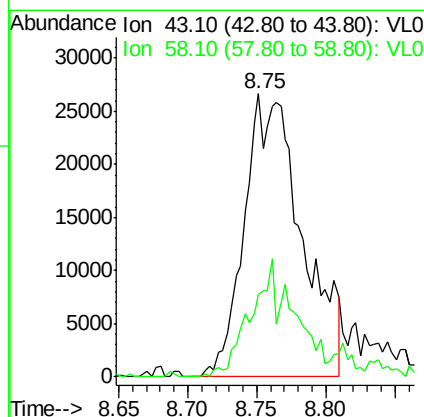
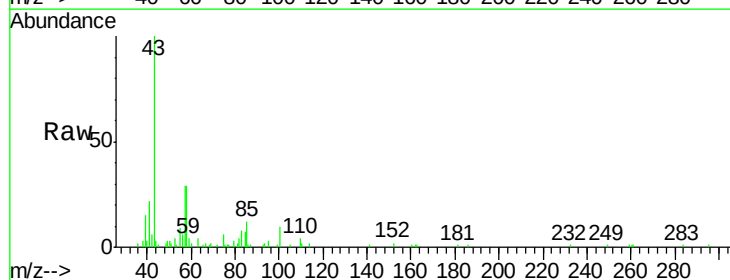
RT: 8.75 min Scan# 1855

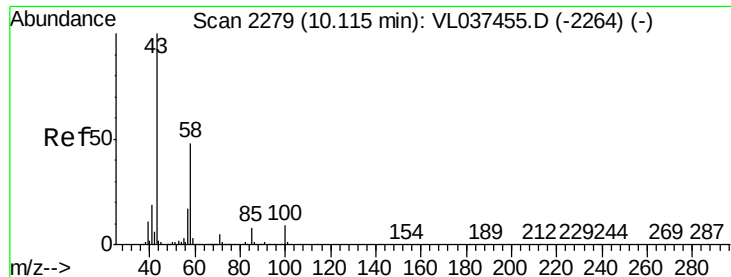
Delta R.T. 0.03 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

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





#51

2-Hexanone

Concen: 0.355 ppbv m

RT: 10.15 min Scan# 2289

Delta R.T. 0.03 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

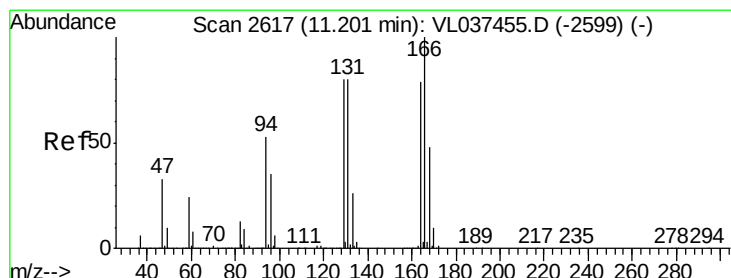
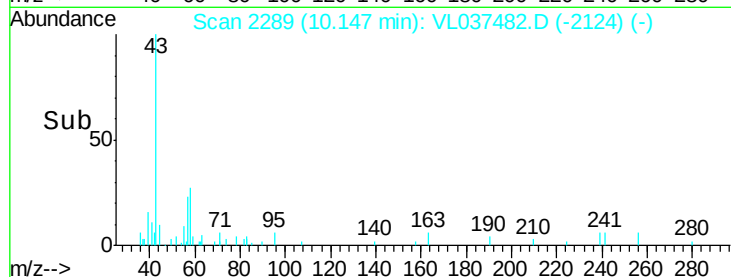
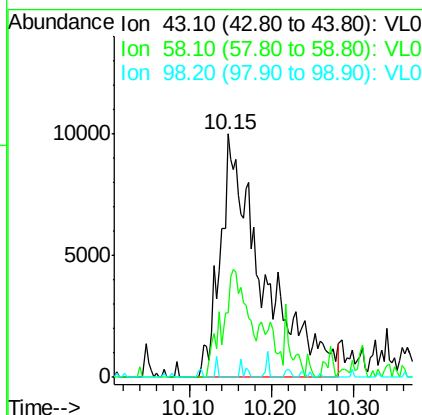
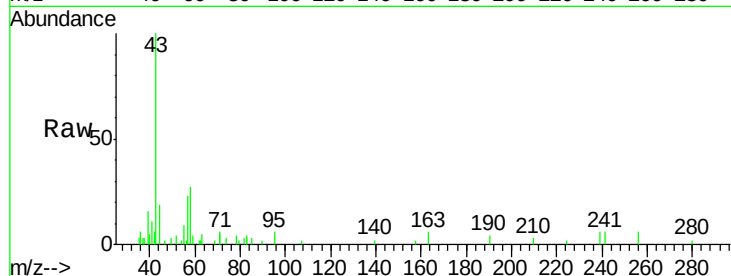
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:	43	Resp:	35911
Ion Ratio	Lower	Upper	
43	100		
58	0.0	41.0	61.6#
98	0.3	0.3	0.5

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#52

Tetrachloroethene

Concen: 0.424 ppbv m

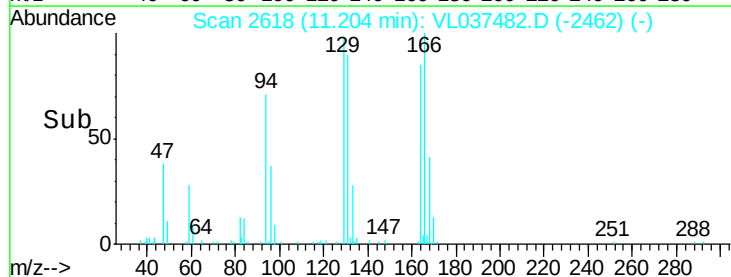
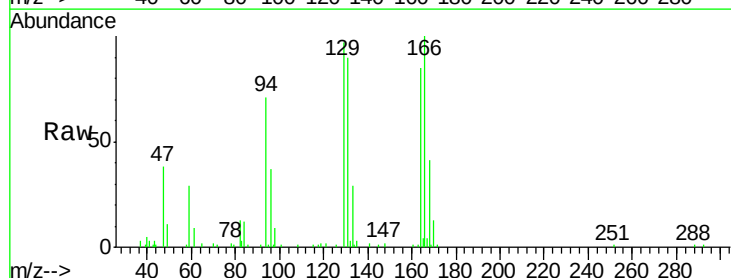
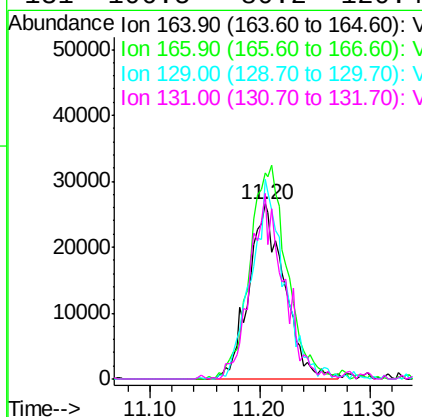
RT: 11.20 min Scan# 2618

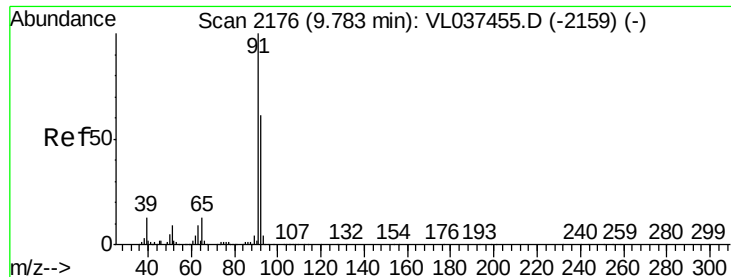
Delta R.T. 0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion:	164	Resp:	60281
Ion Ratio	Lower	Upper	
164	100		
166	118.2	100.7	151.1
129	114.3	80.9	121.3
131	106.5	80.2	120.4





#53

Toluene

Concen: 0.375 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 91 Resp: 148329

Ion Ratio Lower Upper

91 100

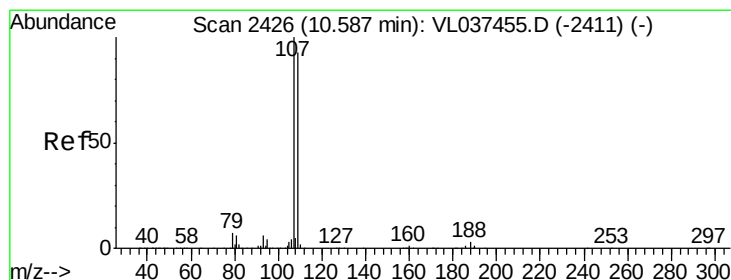
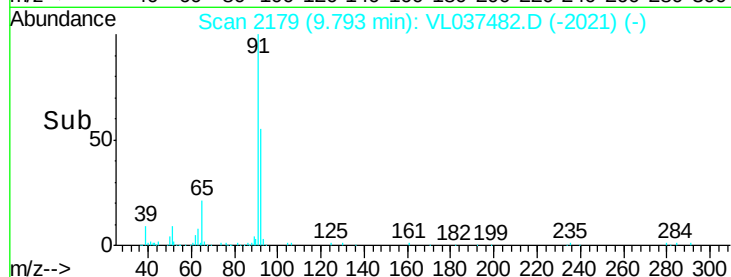
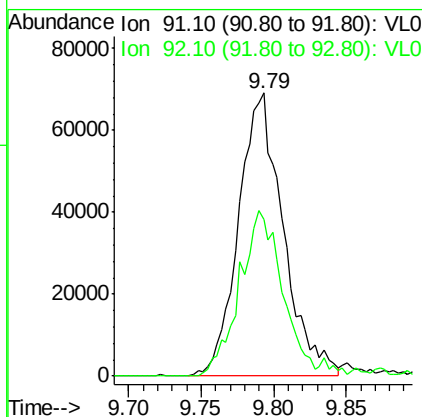
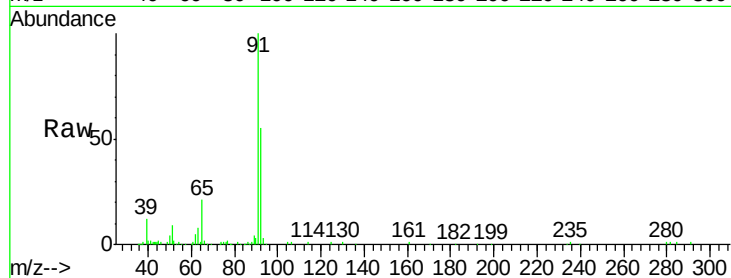
92 57.1 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 0.418 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037482.D

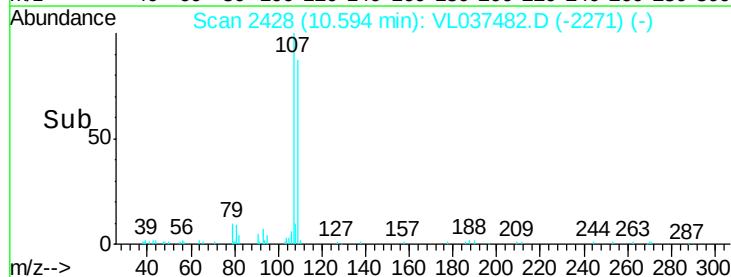
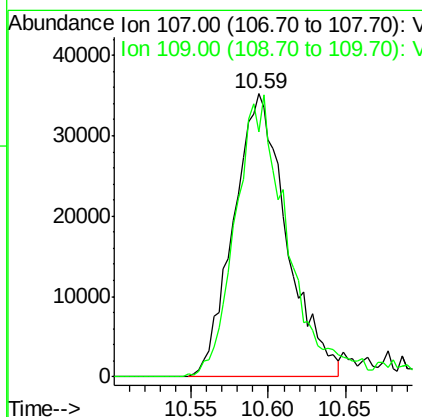
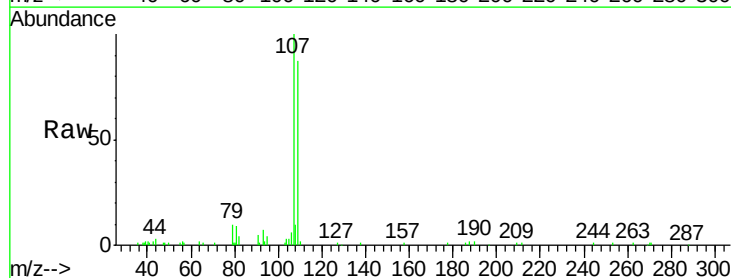
Acq: 17 Aug 2021 4:28

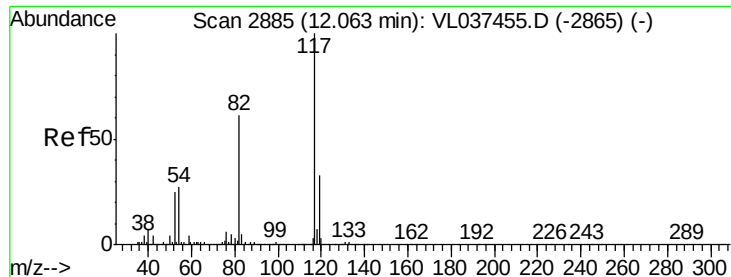
Tgt Ion: 107 Resp: 83979

Ion Ratio Lower Upper

107 100

109 85.6 74.2 111.4





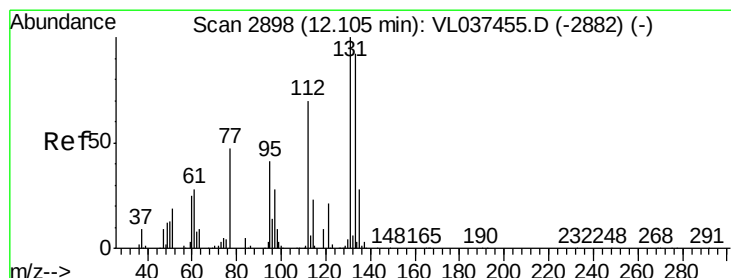
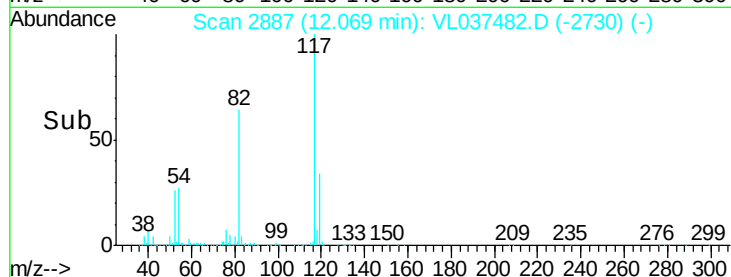
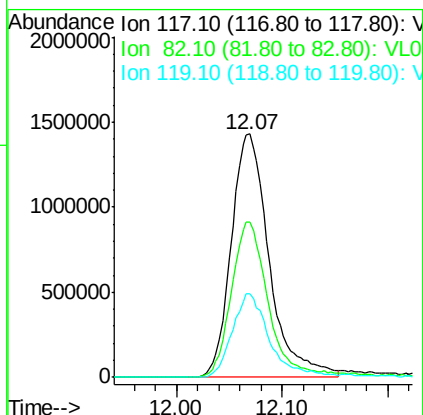
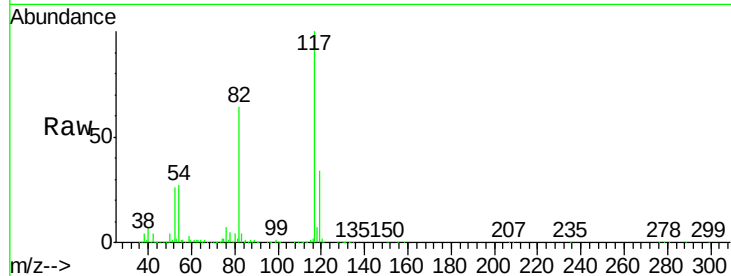
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	52.9	79.3
119	34.6	24.8	37.2

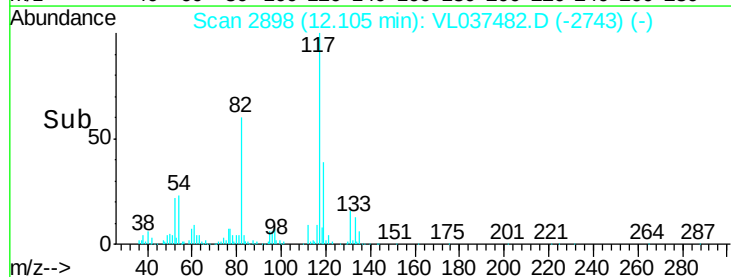
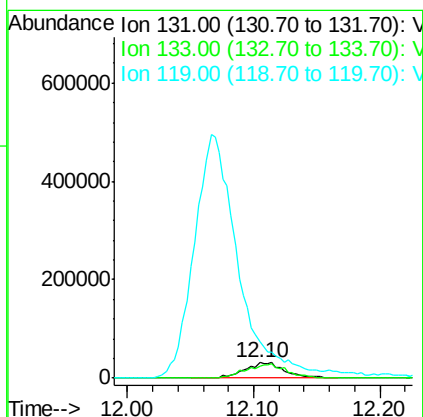
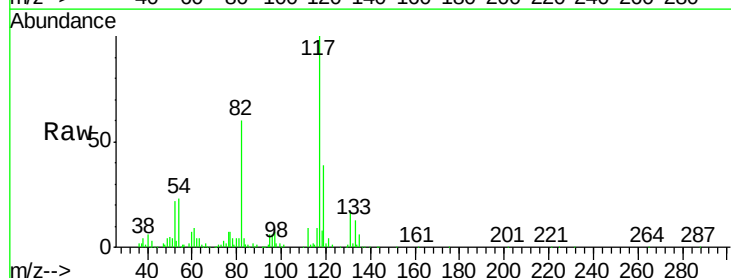
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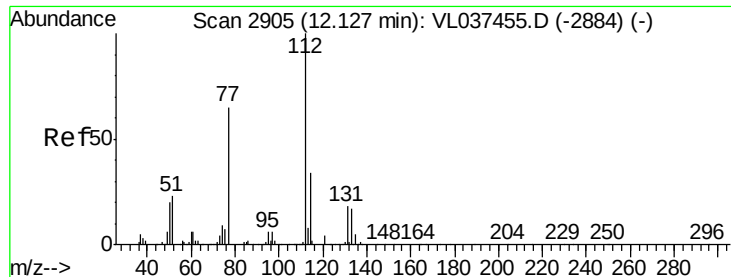
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.470 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	78.7	118.1
119	0.0	56.6	85.0#





#57

Chlorobenzene

Concen: 0.493 ppbv m

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

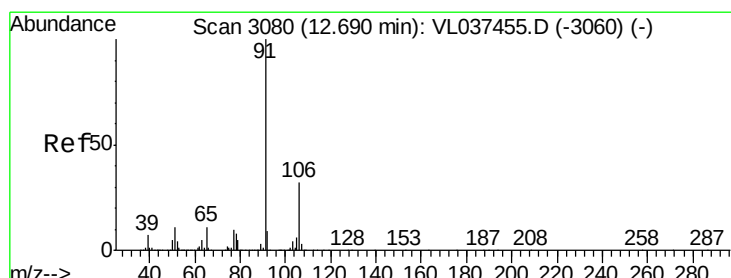
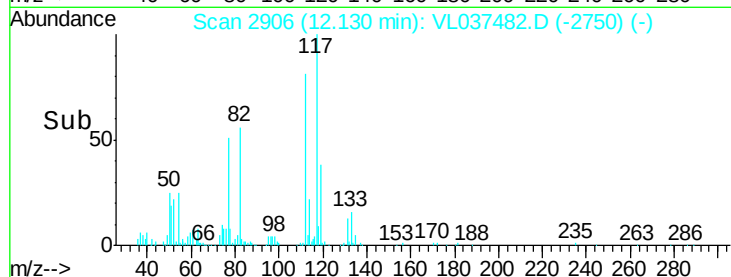
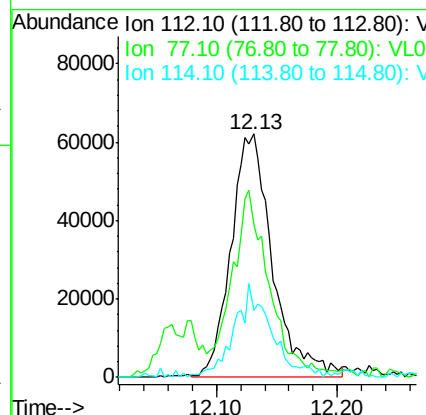
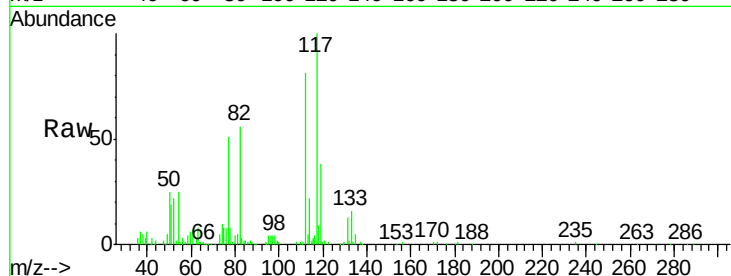
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
112	100		
77	62.8	51.6	77.4
114	27.3	30.7	37.5#

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#58

Ethyl Benzene

Concen: 0.395 ppbv m

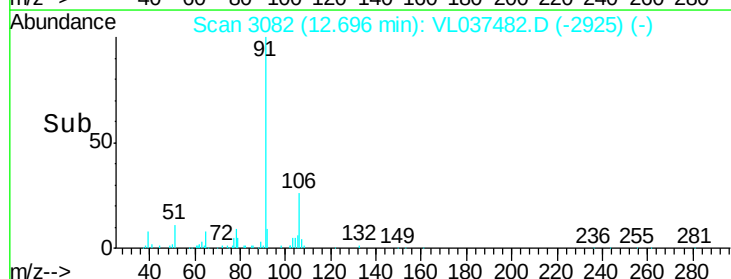
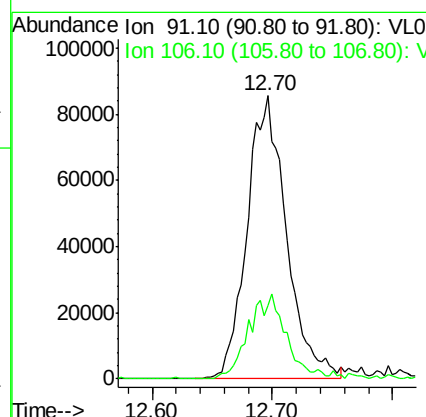
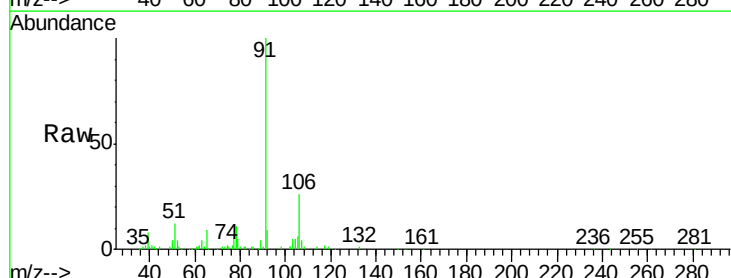
RT: 12.70 min Scan# 3082

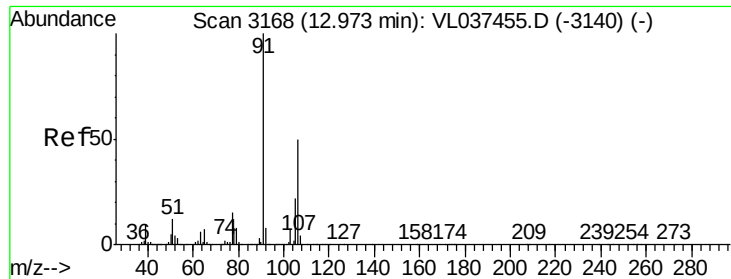
Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.1	25.7	38.5





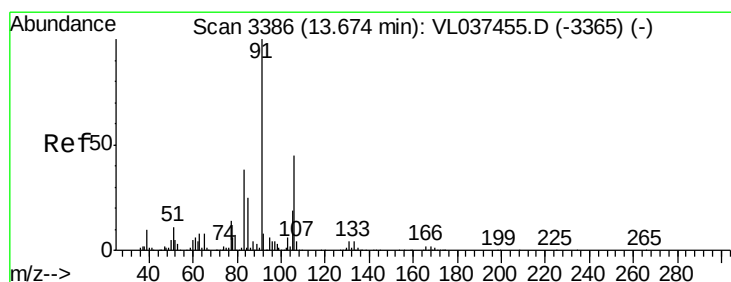
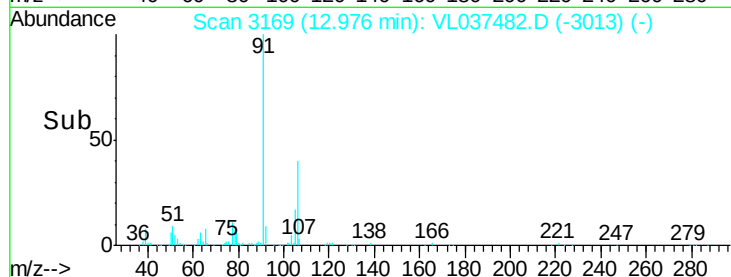
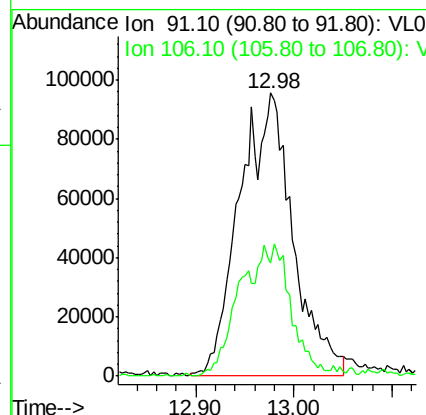
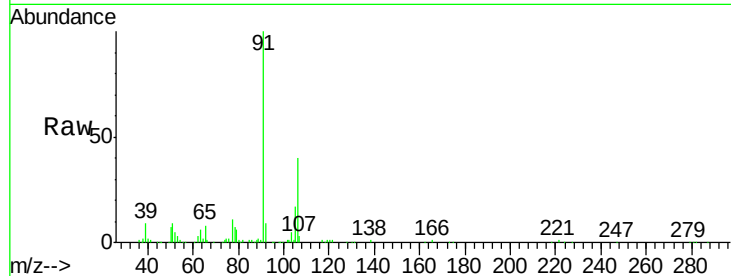
#59
m/p-Xylene
Concen: 0.839 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion: 91 Resp: 361181
Ion Ratio Lower Upper
91 100
106 46.9 36.9 55.3

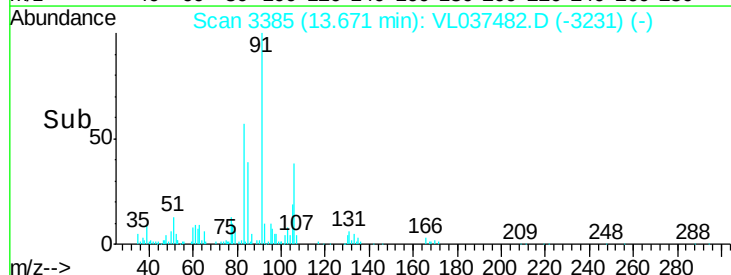
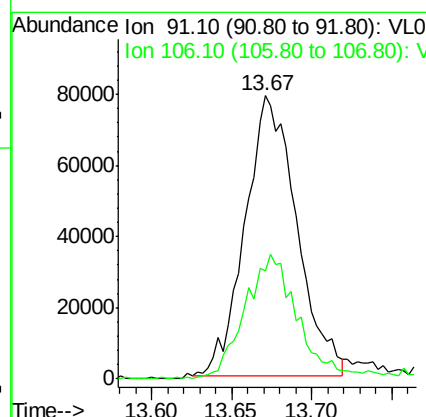
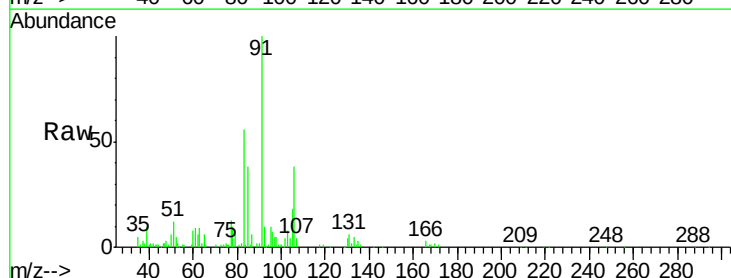
Manual Integrations
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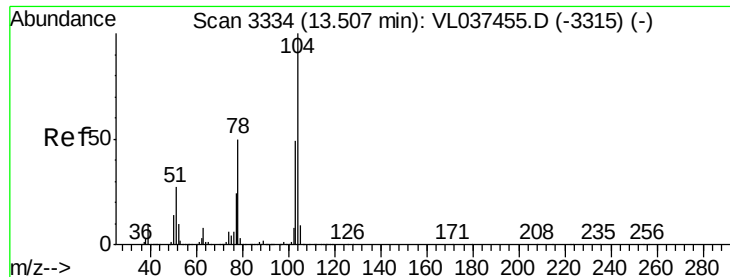
MMDadoda
8/19/2021 5:59:55 PM



#60
o-Xylene
Concen: 0.435 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion: 91 Resp: 174580
Ion Ratio Lower Upper
91 100
106 46.4 23.7 71.1





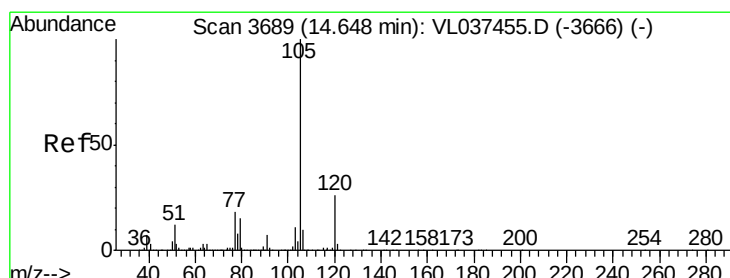
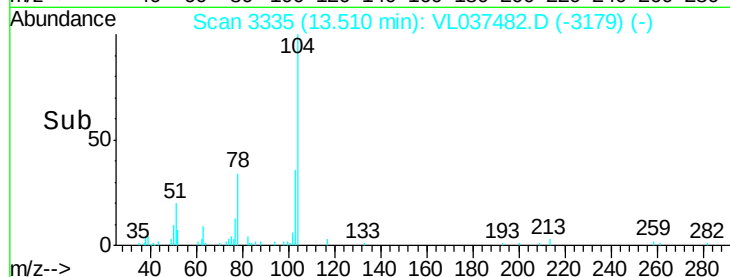
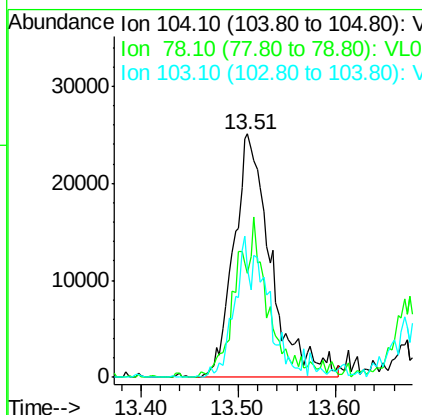
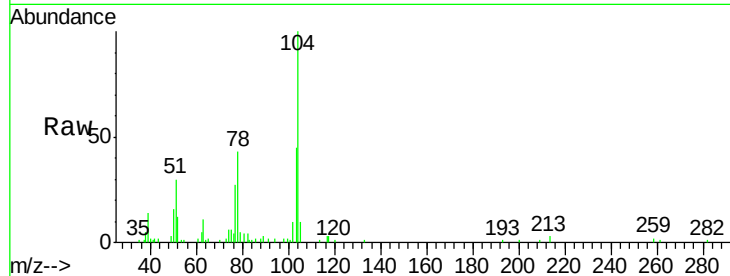
#61
Stvrene
Concen: 0.320 ppbv m
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.9	41.3	61.9
103	49.0	39.4	59.0

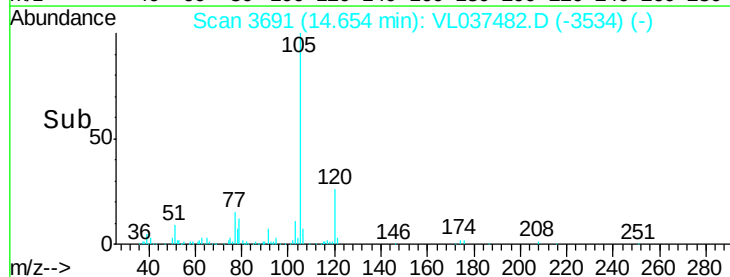
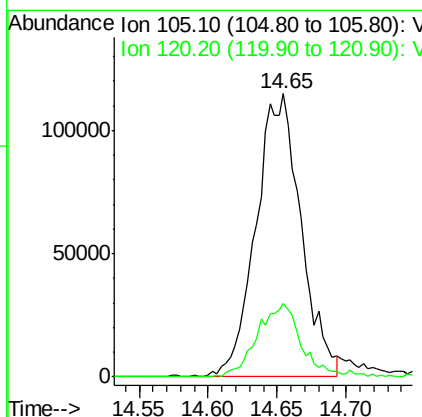
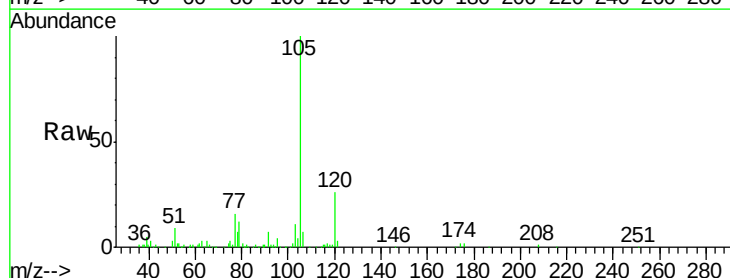
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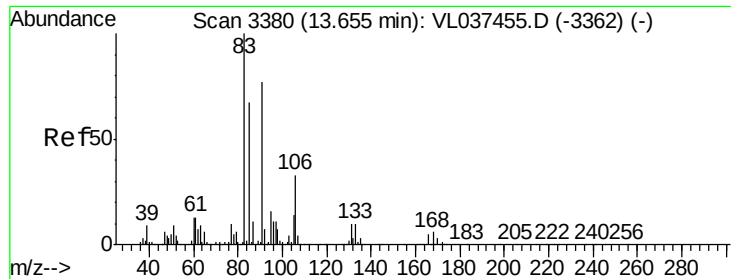
MMDadoda
8/19/2021 5:59:55 PM



#62
Isopropylbenzene
Concen: 0.457 ppbv m
RT: 14.65 min Scan# 3691
Delta R.T. 0.01 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	21.5	32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.497 ppbv m

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

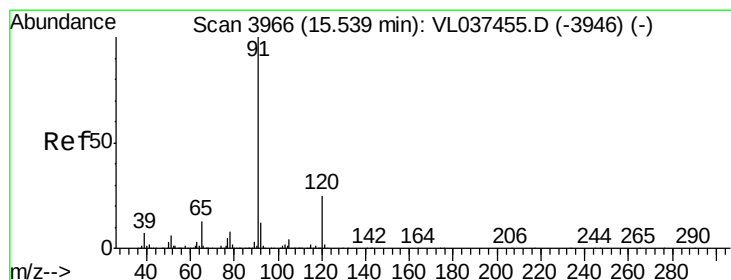
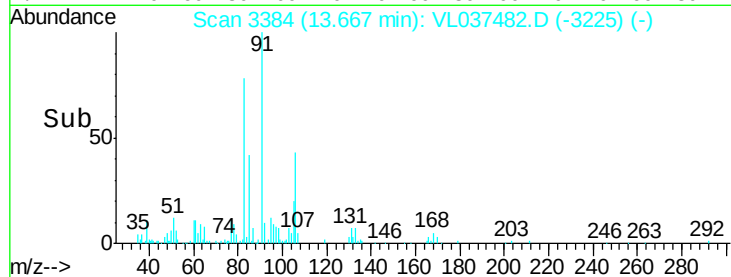
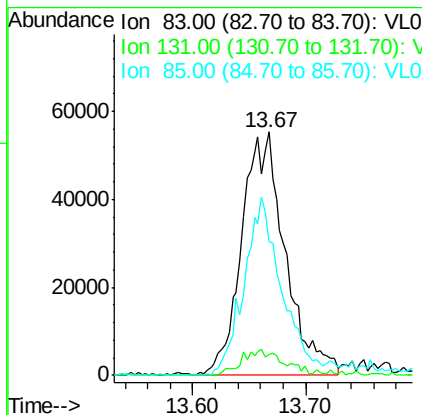
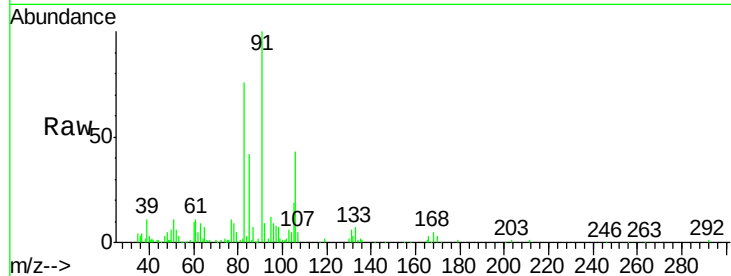
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:	83	Resp:	148278
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	67.8	33.8	101.3

Manual Integrations
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MMDadoda
8/19/2021 5:59:55 PM



#64

n-propylbenzene

Concen: 0.401 ppbv

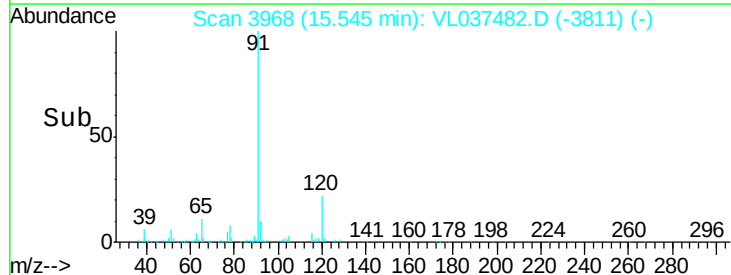
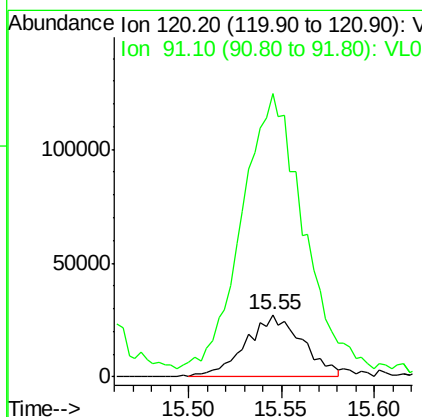
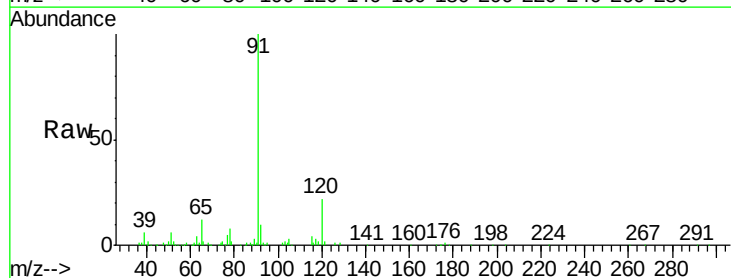
RT: 15.55 min Scan# 3968

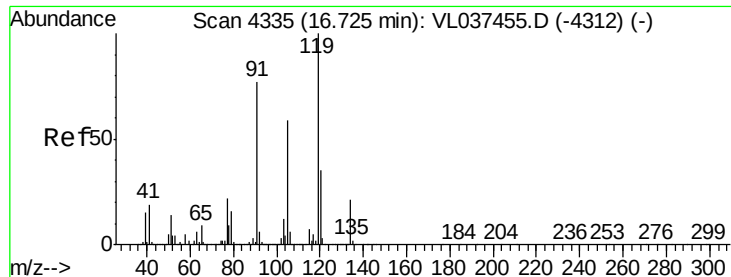
Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion:	120	Resp:	57885
Ion Ratio	Lower	Upper	
120	100		
91	531.1	373.8	560.6





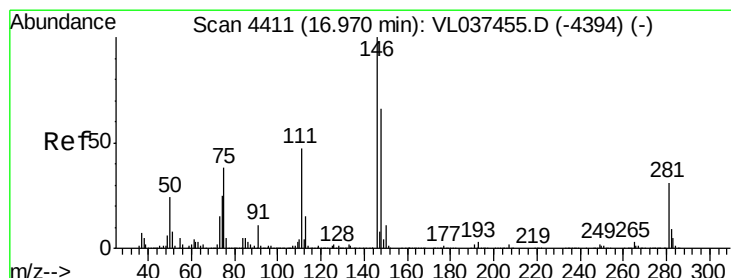
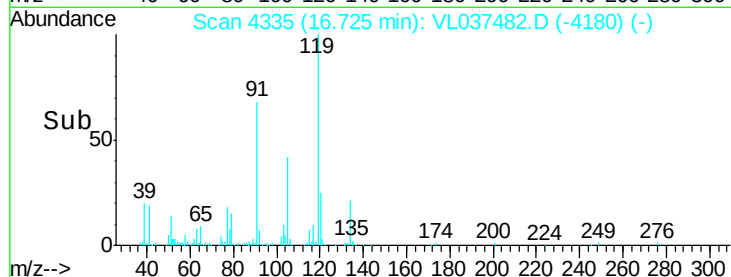
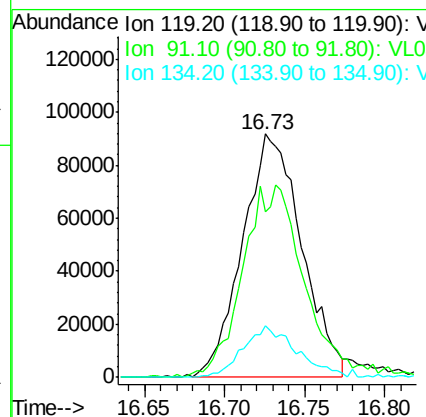
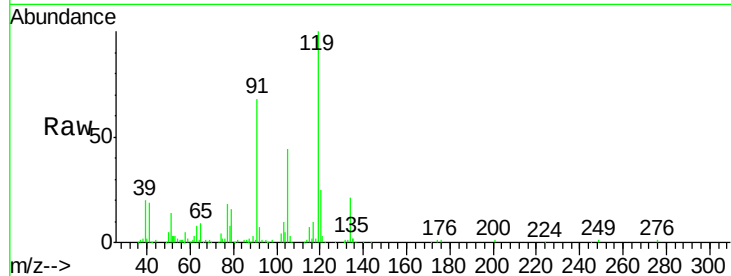
#65
 tert-Butylbenzene
 Concen: 0.452 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.00 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	233201		
91	83.9	62.9	94.3	
134	19.5	16.4	24.6	

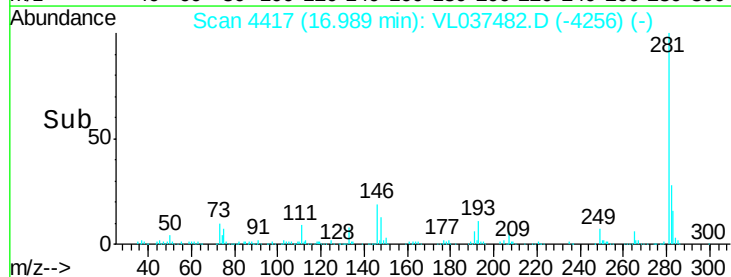
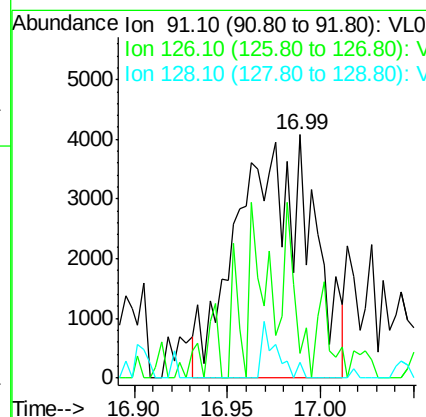
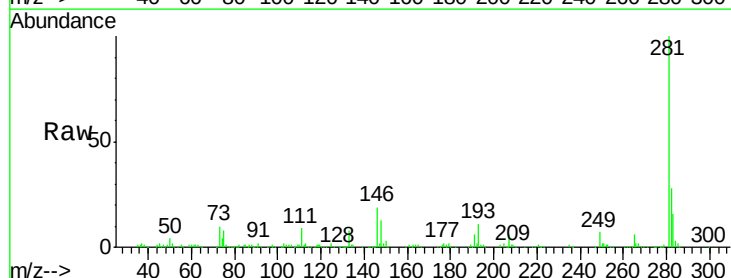
Manual Integrations
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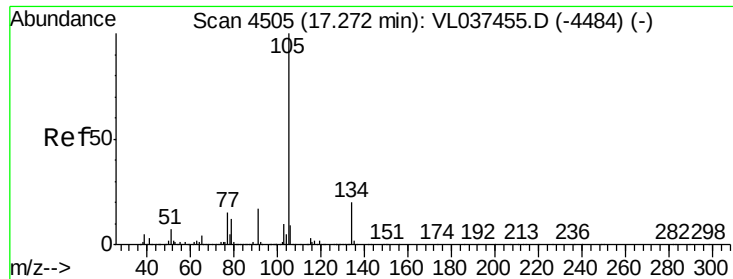
MMDadoda
 8/19/2021 5:59:55 PM



#66
 Benzyl Chloride
 Concen: 0.473 ppbv m
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.02 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	11052		
126	0.0	15.9	23.9#	
128	0.0	5.4	8.0#	





#67

sec-Butylbenzene

Concen: 0.442 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 105 Resp: 318978

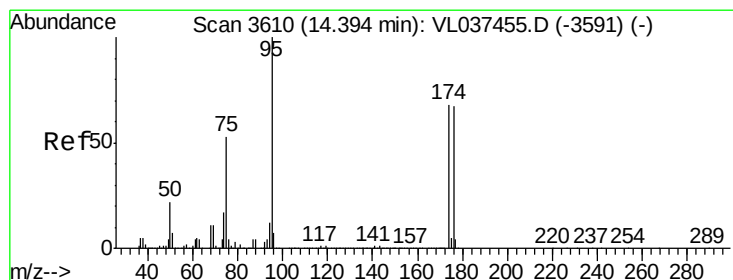
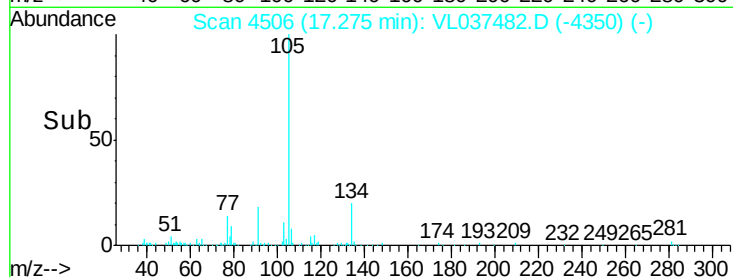
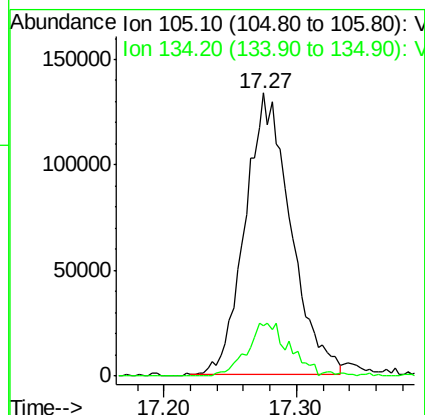
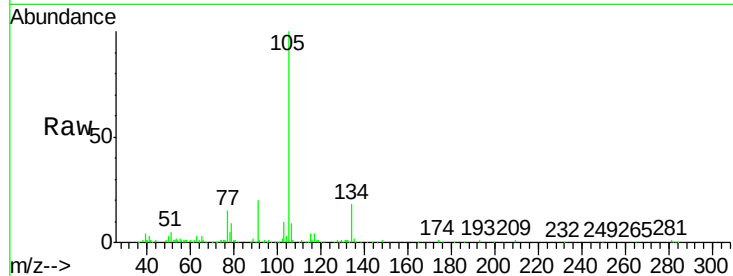
Ion Ratio Lower Upper

105 100

134 18.3 15.2 22.8

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.287 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

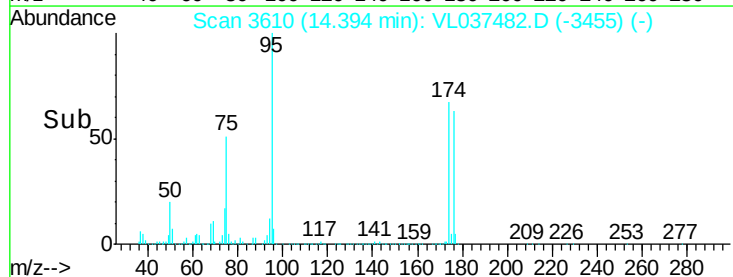
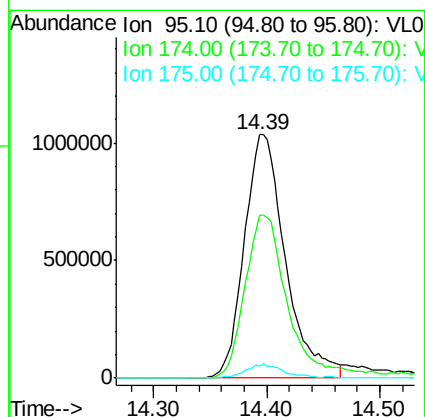
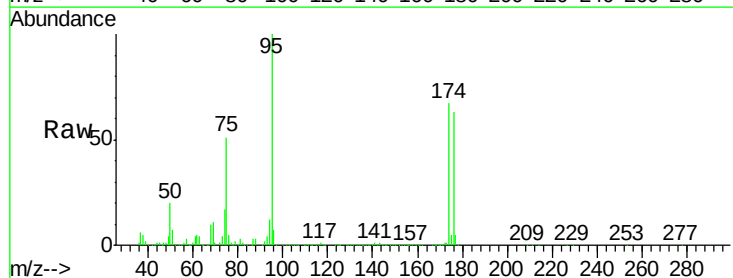
Tgt Ion: 95 Resp: 2614294

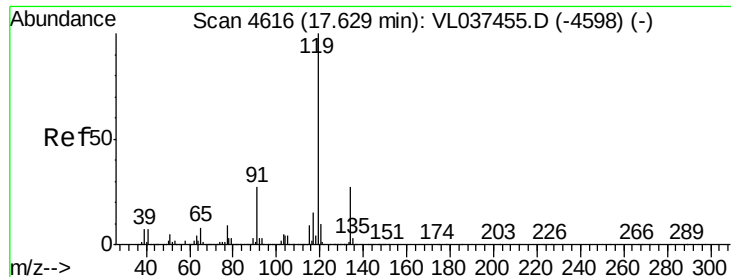
Ion Ratio Lower Upper

95 100

174 73.5 59.6 89.4

175 5.6 4.6 7.0





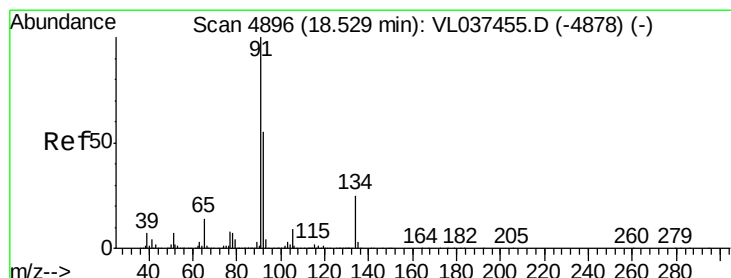
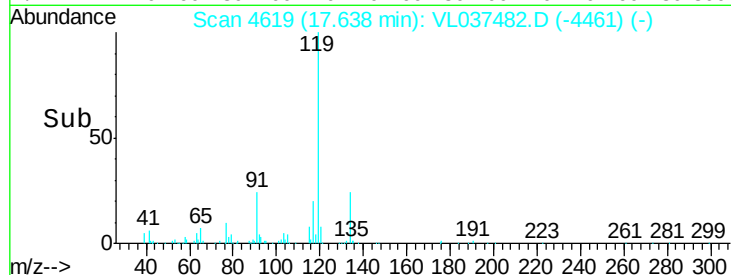
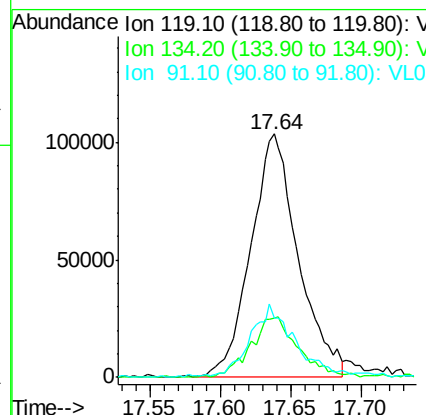
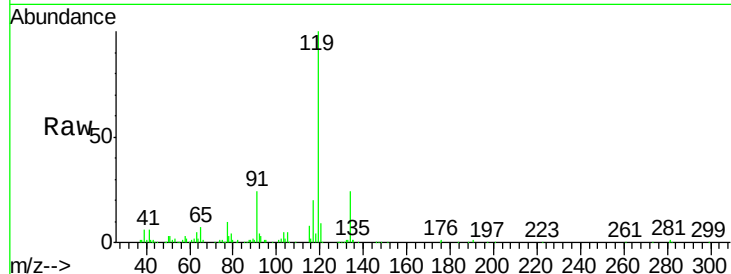
#69
 p-Isopropyltoluene
 Concen: 0.415 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243716		
134	25.7	21.1	31.7	
91	29.8	22.4	33.6	

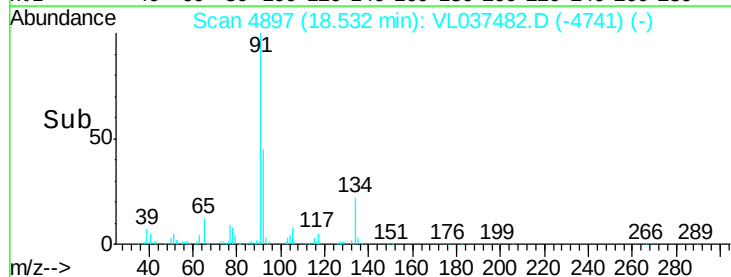
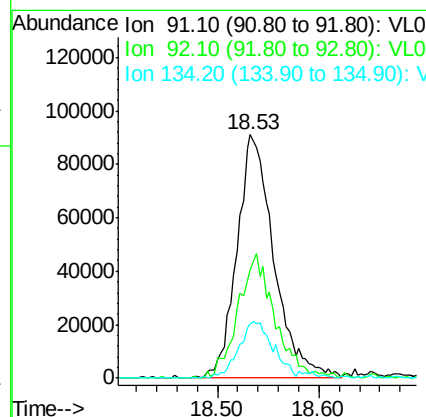
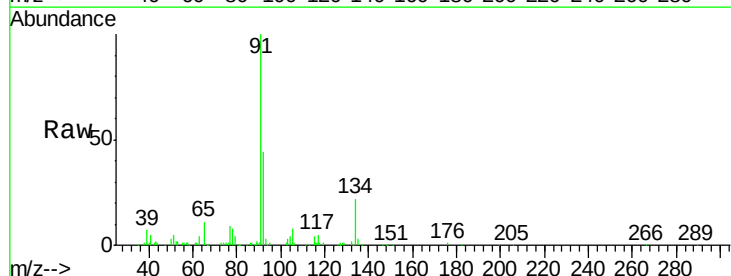
Manual Integrations
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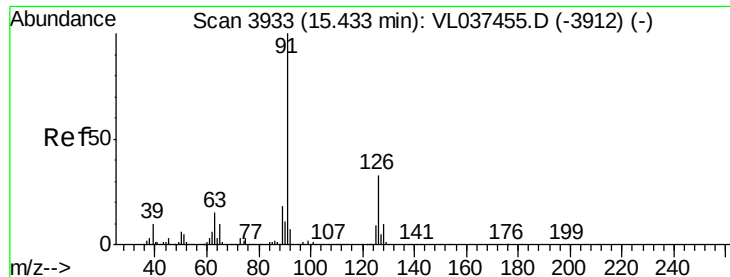
MMDadoda
 8/19/2021 5:59:55 PM



#70
 n-Butylbenzene
 Concen: 0.411 ppbv m
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	230867		
92	51.6	44.0	66.0	
134	23.2	19.5	29.3	





#71

2-Chlorotoluene

Concen: 0.419 ppbv m

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion: 91 Resp: 174257

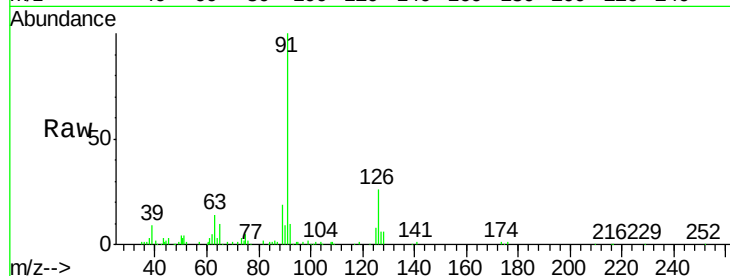
Ion Ratio Lower Upper

91 100

126 32.7 13.6 54.4

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Abundance Ion 91.10 (90.80 to 91.80): VL0

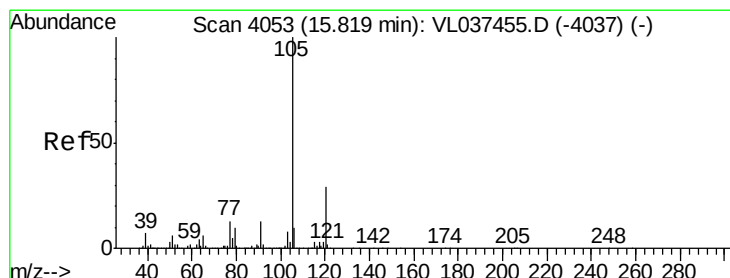
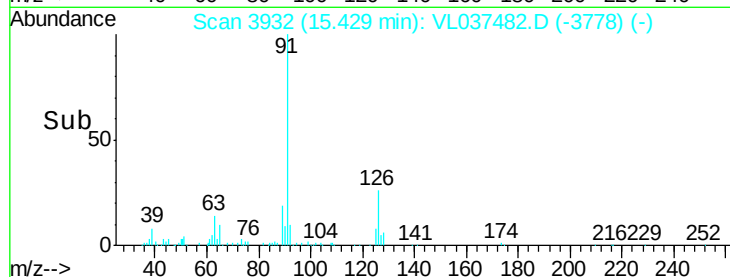
Ion 126.10 (125.80 to 126.80): V

100000

50000

0

Time-->



#72

4-Ethyltoluene

Concen: 0.387 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion: 105 Resp: 184675

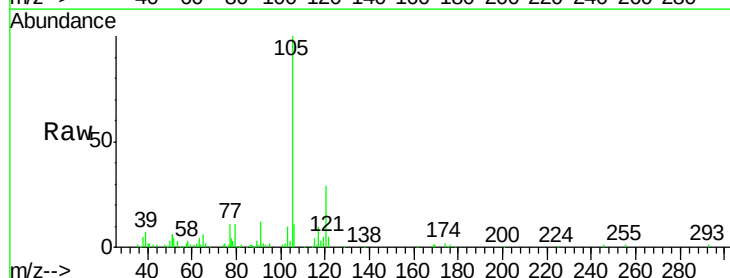
Ion Ratio Lower Upper

105 100

120 32.5 24.7 37.1

91 14.6 9.8 14.8

77 14.2 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

120000

80000

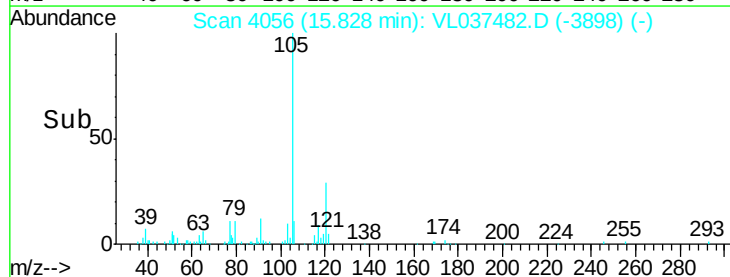
60000

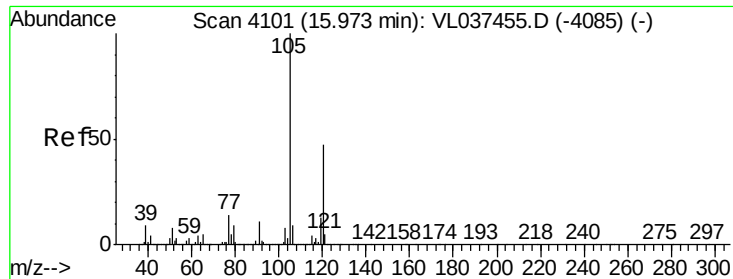
40000

20000

0

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 0.442 ppbv m

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:105 Resp: 196664

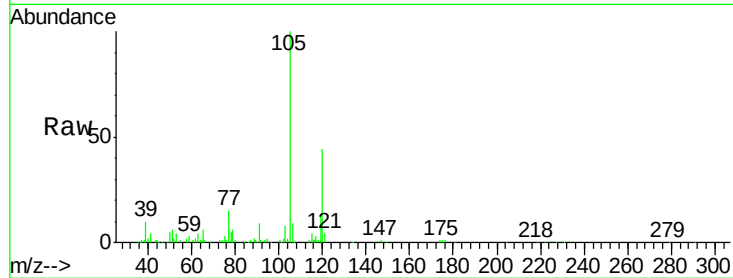
Ion Ratio Lower Upper

105 100

120 43.9 37.6 56.4

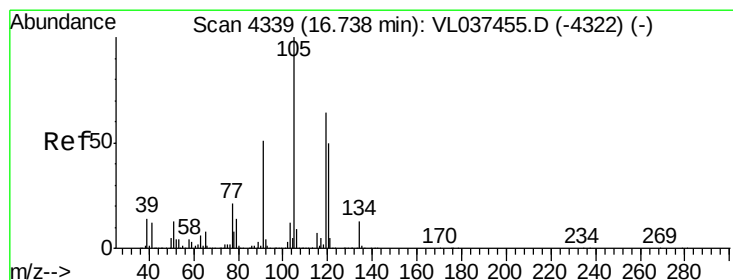
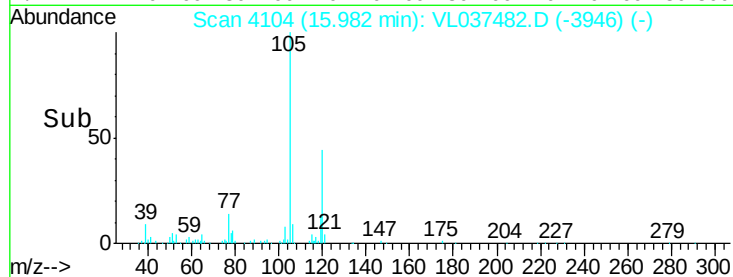
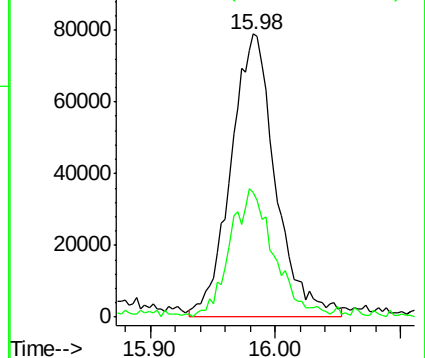
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.429 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion:105 Resp: 202669

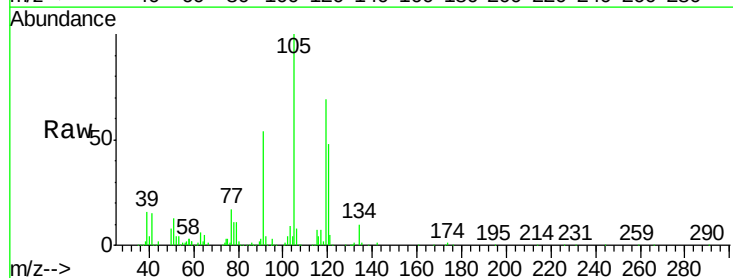
Ion Ratio Lower Upper

105 100

120 46.2 40.4 60.6

91 51.2 44.6 67.0

77 14.9 17.8 26.6#

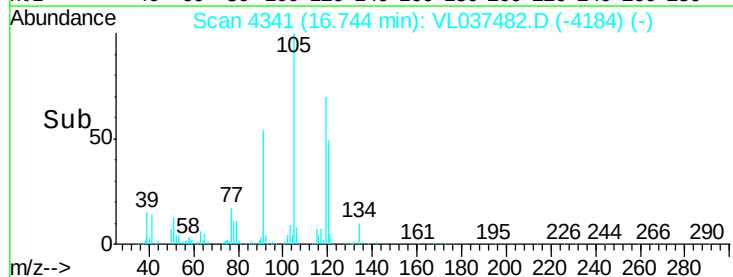
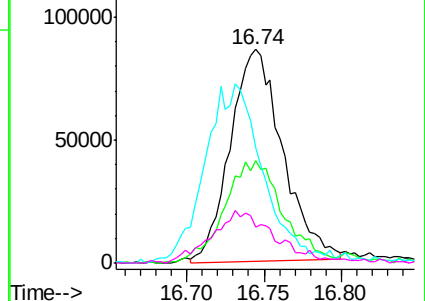


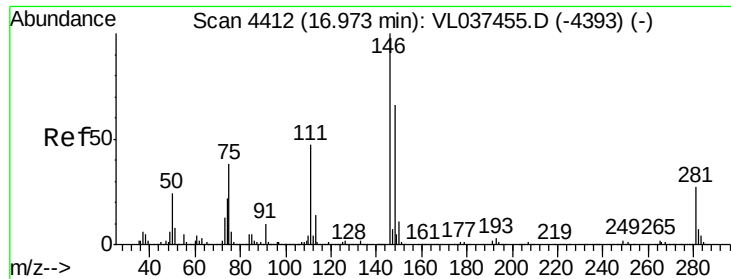
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 0.485 ppbv m

RT: 16.98 min Scan# 4415

Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Instrument :

MSVOA_L

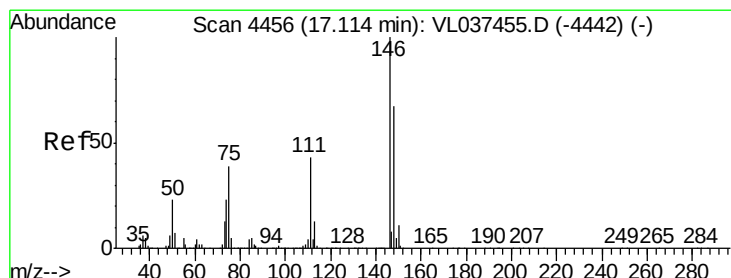
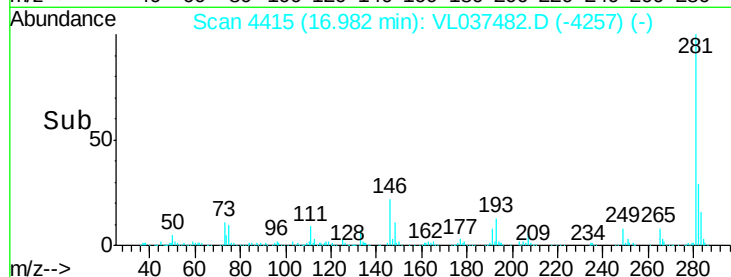
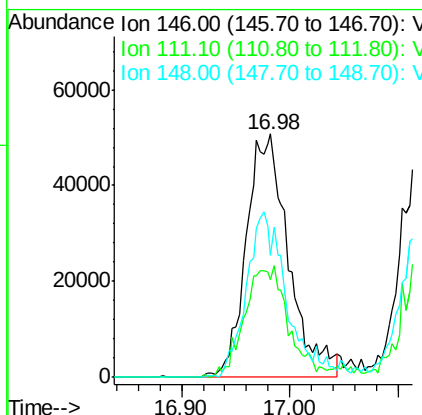
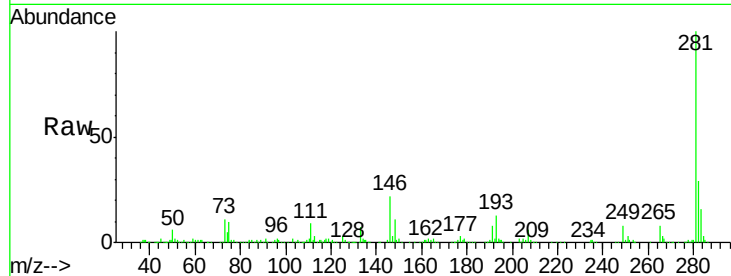
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

Tot Ion:	146	Resp:	137979
Ion Ratio	Lower	Upper	
146	100		
111	48.8	23.4	70.0
148	65.5	33.1	99.5

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#76

1,4-Dichlorobenzene

Concen: 0.467 ppbv m

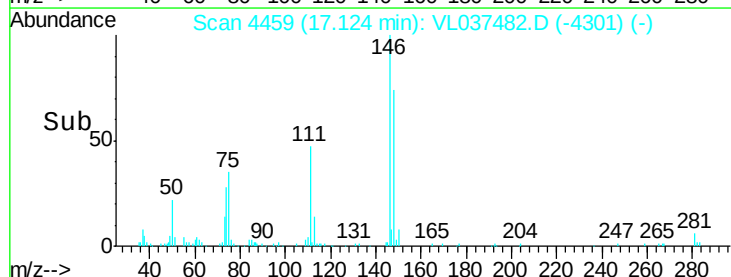
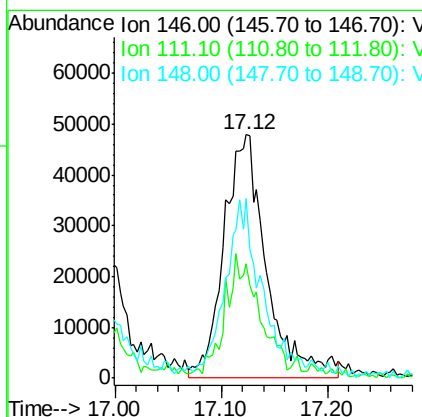
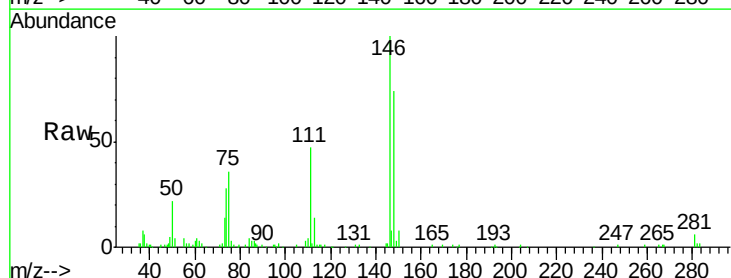
RT: 17.12 min Scan# 4459

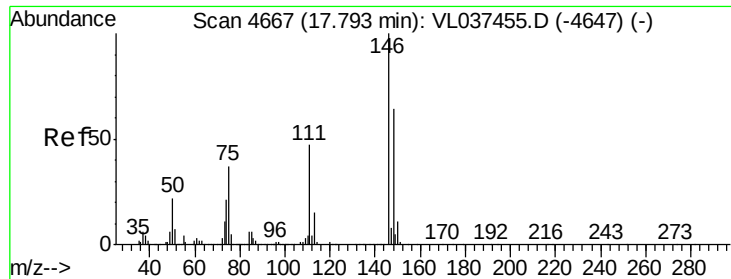
Delta R.T. 0.01 min

Lab File: VL037482.D

Acq: 17 Aug 2021 4:28

Tgt Ion:	146	Resp:	133750
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.1	66.5#
148	64.3	32.4	97.0





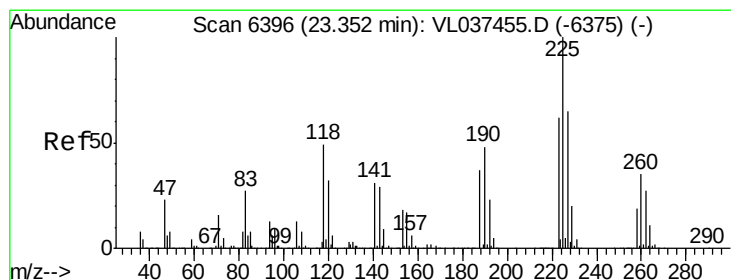
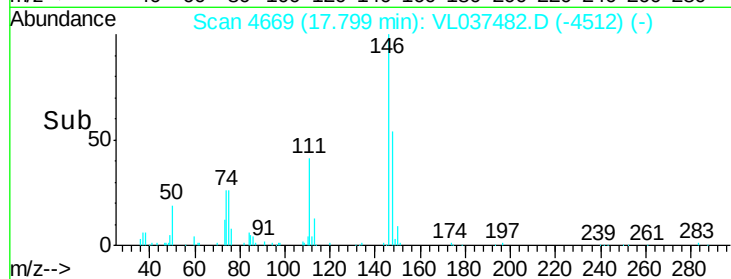
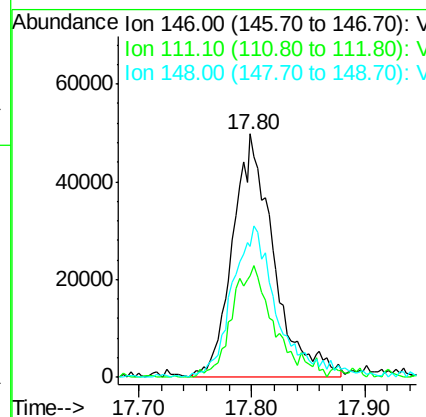
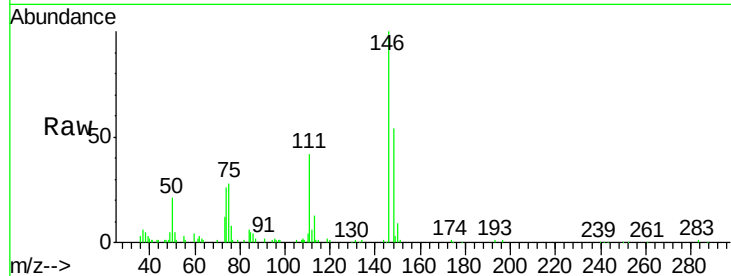
#77
 1,2-Dichlorobenzene
 Concen: 0.450 ppbv m
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.01 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	125958		
111	49.1	23.4	70.3	
148	67.7	32.5	97.5	

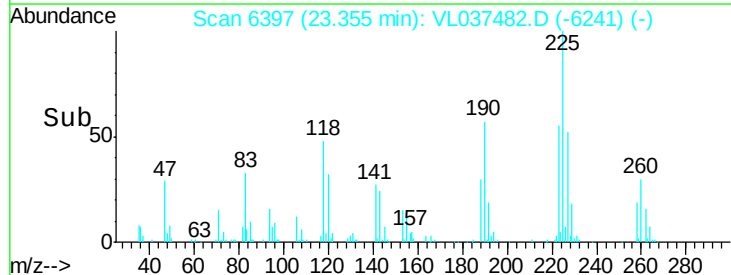
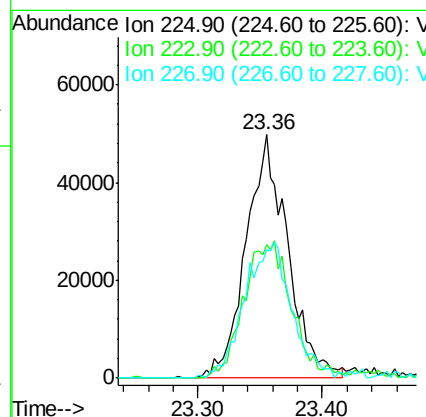
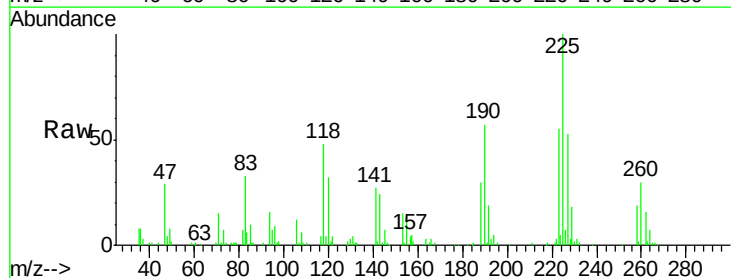
Manual Integrations
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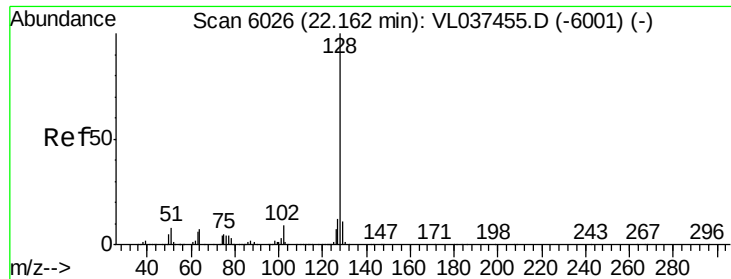
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.497 ppbv m
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.00 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115698		
223	66.9	51.4	77.0	
227	64.6	52.9	79.3	





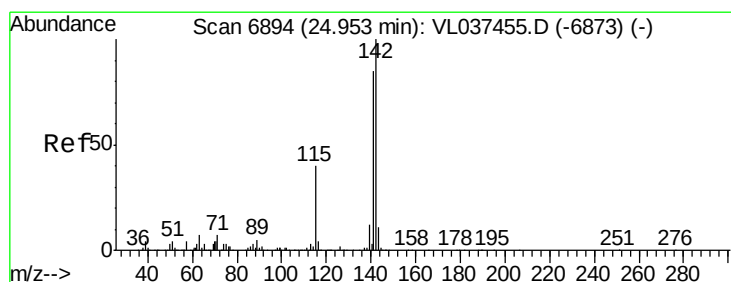
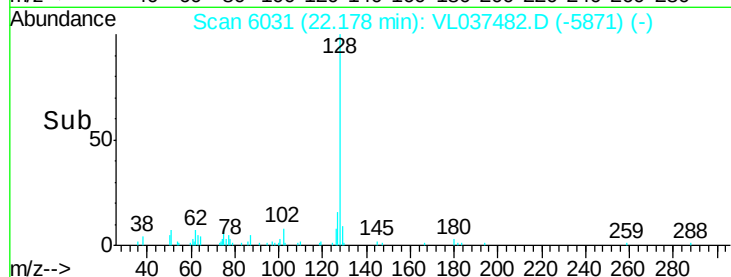
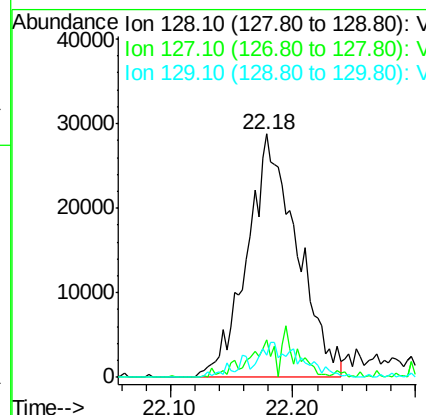
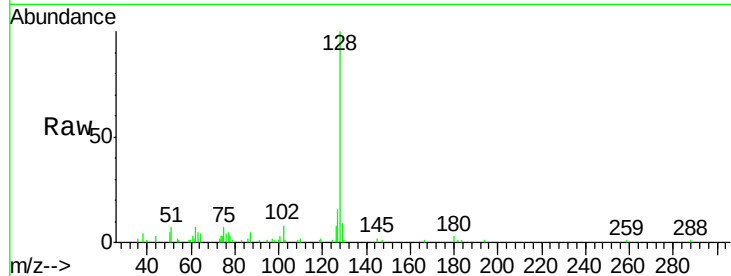
#79
Naphthalene
Concen: 0.256 ppbv m
RT: 22.18 min Scan# 6031
Delta R.T. 0.02 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	81046		
127	15.5	9.4	14.2#	
129	9.2	8.8	13.2	

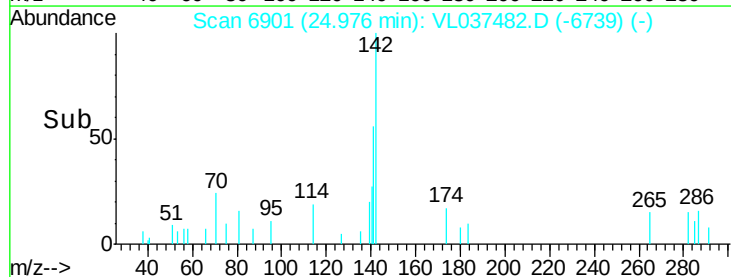
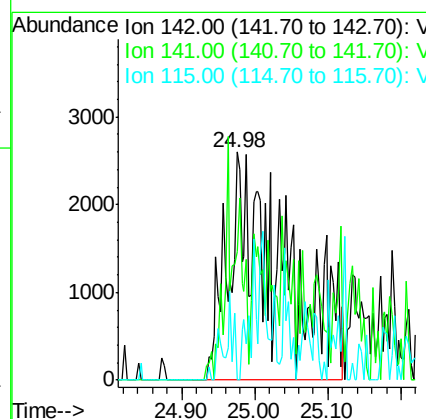
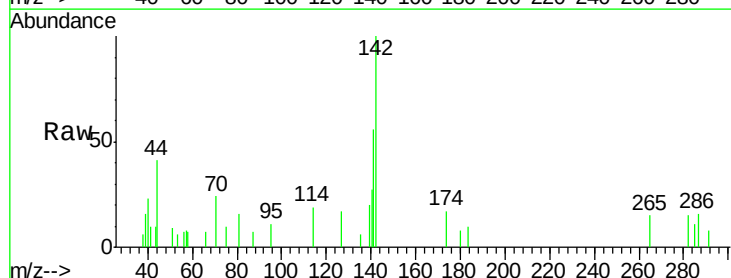
Manual Integrations
APPROVED

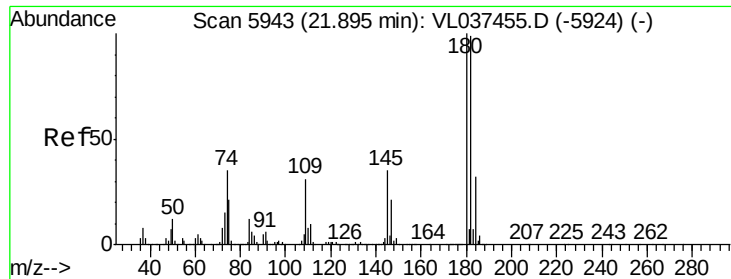
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8/19/2021 5:59:55 PM



#80
Naphthalene, 2-methyl-
Concen: 0.151 ppbv m
RT: 24.98 min Scan# 6901
Delta R.T. 0.02 min
Lab File: VL037482.D
Acq: 17 Aug 2021 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	13339		
141	17.5	64.7	97.1#	
115	7.6	28.4	42.6#	





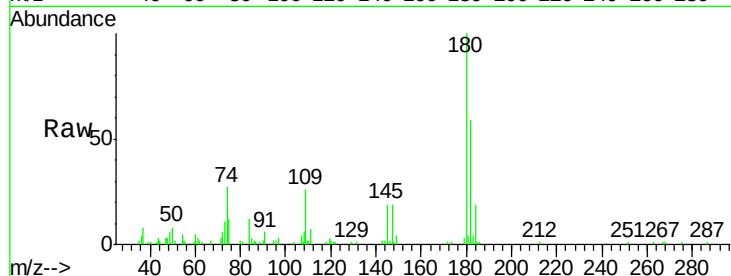
#81
 1,2,4-Trichlorobenzene
 Concen: 0.367 ppbv m
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.01 min
 Lab File: VL037482.D
 Acq: 17 Aug 2021 4:28

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

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

Manual Integrations
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Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

