

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037491.D
 Acq On : 18 Aug 2021 14:50
 Operator : SY/AP
 Sample : M2940-15 0.45 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Manual Integrations
 APPROVED

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 8/19/2021 5:57:58 PM

Quant Time: Aug 19 02:49:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 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	5.66	49	1344613	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4159564	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3526680	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2550665	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	109936	0.510	ppbv	99
3) Chlorodifluoromethane	2.98	51	136927	0.532	ppbv	97
4) Chloromethane	3.13	50	44807	0.487	ppbv	99
5) Vinyl Chloride	3.26	62	46632m	0.495	ppbv	
6) Bromomethane	3.47	94	26425m	0.512	ppbv	
7) Chloroethane	3.55	64	19181m	0.596	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	117464	0.527	ppbv	100
9) Propene	3.01	41	42451m	0.461	ppbv	
10) Heptane	8.11	43	87142	0.411	ppbv	92
11) Trichlorofluoromethane	3.94	101	100158	0.495	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	78373	0.527	ppbv	99
13) Ethanol	3.63	45	7382m	0.823	ppbv	
14) Bromoethene	3.74	108	31989m	0.474	ppbv	
15) Acetone	3.86	43	77112m	0.564	ppbv	
16) 1,3-Butadiene	3.32	39	43214m	0.492	ppbv	
17) tert-Butyl alcohol	4.32	59	63065m	0.504	ppbv	
18) 1,1-Dichloroethene	4.28	96	29685	0.440	ppbv	79
19) Isopropyl Alcohol	3.99	45	38422m	0.490	ppbv	
20) Methylene Chloride	4.34	84	41534m	0.606	ppbv	
21) Allyl Chloride	4.40	41	50485m	0.454	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	29377m	0.436	ppbv	
23) Vinyl Acetate	5.08	43	82979	0.411	ppbv #	96
24) 1,1-Dichloroethane	5.00	63	75804m	0.518	ppbv	
25) Ethyl Acetate	5.68	43	156532	0.451	ppbv #	94
26) Hexane	5.68	57	79633m	0.469	ppbv	
27) Carbon Disulfide	4.55	76	60337m	0.399	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	84353m	0.517	ppbv	
29) Chloroform	5.74	83	118330	0.492	ppbv	87
30) Cyclohexane	7.12	84	65129m	0.460	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	60254	0.392	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	114533	0.484	ppbv	96
34) 2-Butanone	5.26	43	80248m	0.472	ppbv	
35) Carbon Tetrachloride	7.01	117	110451m	0.449	ppbv	
36) Benzene	6.88	78	147603	0.422	ppbv #	89
37) 1,2-Dichloroethane	6.29	62	76263	0.440	ppbv #	94
38) Trichloroethene	7.82	130	67508m	0.471	ppbv	
39) 1,2-Dichloropropane	7.60	63	63240m	0.471	ppbv	
40) 1,4-Dioxane	7.87	88	17727m	0.539	ppbv	
41) Tetrahydrofuran	6.07	42	31407m	0.384	ppbv	
42) Bromodichloromethane	7.78	83	94092	0.372	ppbv	87
43) Methyl Methacrylate	8.02	69	44632m	0.366	ppbv	

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Manual Integrations
 APPROVED

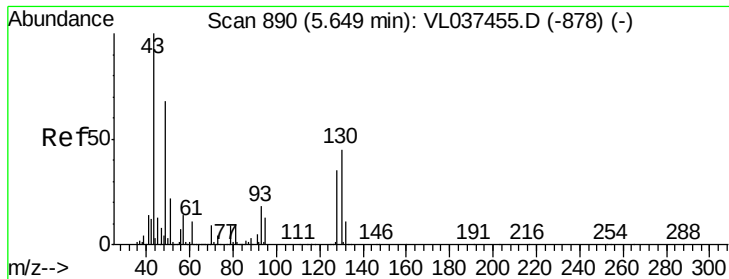
MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.85	57	255355m	0.434	ppbv	
45) t-1,3-Dichloropropene	9.27	75	29026m	0.316	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	41359m	0.323	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	63536m	0.438	ppbv	
48) Dibromochloromethane	10.28	129	75433	0.361	ppbv	93
49) Bromoform	13.02	173	52032m	0.316	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	81020m	0.366	ppbv	
51) 2-Hexanone	10.16	43	35013m	0.344	ppbv	
52) Tetrachloroethene	11.20	164	61567m	0.430	ppbv	
53) Toluene	9.79	91	150772m	0.378	ppbv	
54) 1,2-Dibromoethane	10.59	107	80775	0.399	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	69941m	0.476	ppbv	
57) Chlorobenzene	12.13	112	141198	0.482	ppbv #	89
58) Ethyl Benzene	12.69	91	186696	0.381	ppbv	91
59) m/p-Xylene	12.98	91	360265m	0.849	ppbv	
60) o-Xylene	13.68	91	170543	0.431	ppbv	97
61) Styrene	13.51	104	59884	0.291	ppbv	90
62) Isopropylbenzene	14.65	105	257330	0.460	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	145124m	0.493	ppbv	
64) n-propylbenzene	15.54	120	62693m	0.441	ppbv	
65) tert-Butylbenzene	16.73	119	223156	0.438	ppbv	93
66) Benzyl Chloride	16.97	91	12786m	0.555	ppbv	
67) sec-Butylbenzene	17.28	105	315238	0.443	ppbv	98
69) p-Isopropyltoluene	17.64	119	239642	0.413	ppbv	96
70) n-Butylbenzene	18.53	91	227933	0.412	ppbv	97
71) 2-Chlorotoluene	15.44	91	174722m	0.426	ppbv	
72) 4-Ethyltoluene	15.82	105	187922	0.399	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.98	105	181424	0.414	ppbv	91
74) 1,2,4-Trimethylbenzene	16.74	105	207785	0.446	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	128954	0.460	ppbv	93
76) 1,4-Dichlorobenzene	17.12	146	114760	0.406	ppbv	87
77) 1,2-Dichlorobenzene	17.80	146	124690m	0.452	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	123314m	0.537	ppbv	
79) Naphthalene	22.19	128	88173m	0.283	ppbv	
80) Naphthalene, 2-methyl-	25.08	142	13216m	0.152	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	74606m	0.381	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 49 Resp: 1344613

Ion Ratio Lower Upper

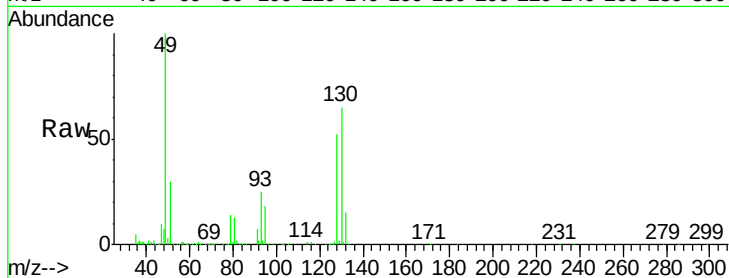
49 100

128 56.7 27.5 82.4

130 73.4 34.0 101.8

Manual Integrations
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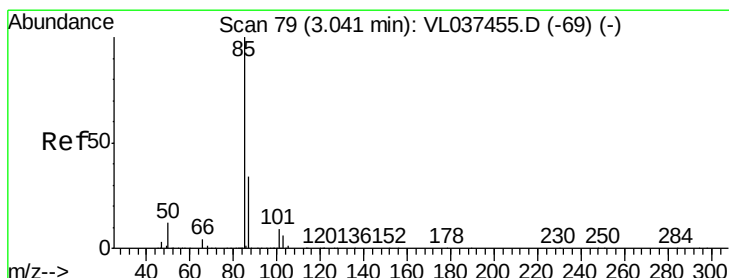
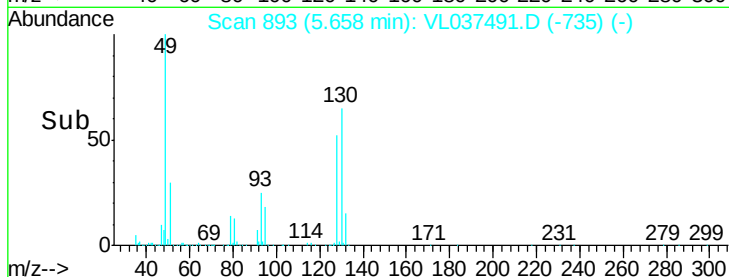
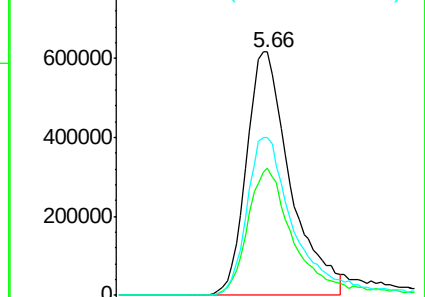
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.510 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037491.D

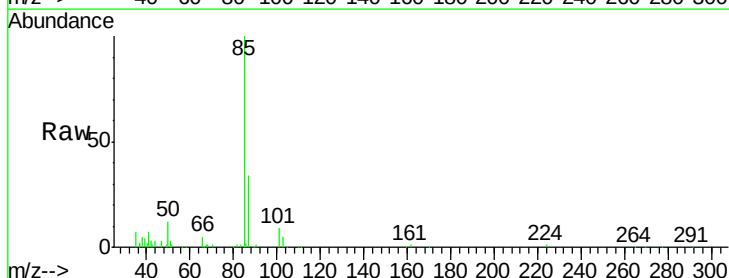
Acq: 18 Aug 2021 14:50

Tgt Ion: 85 Resp: 109936

Ion Ratio Lower Upper

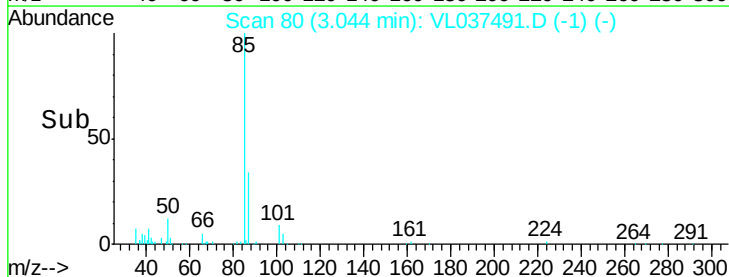
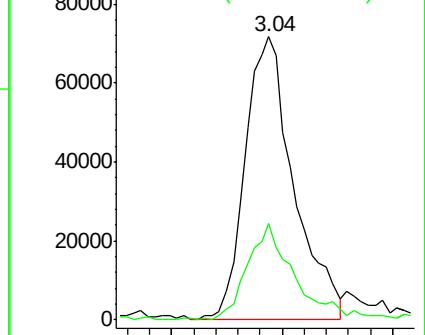
85 100

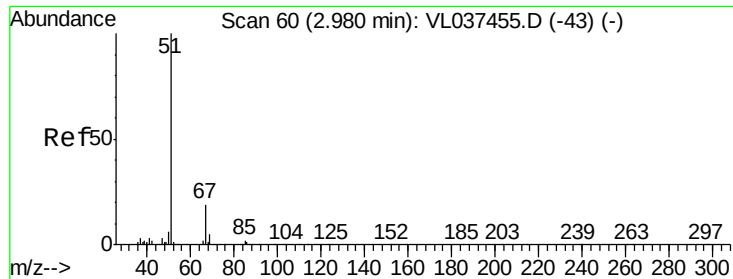
87 33.6 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





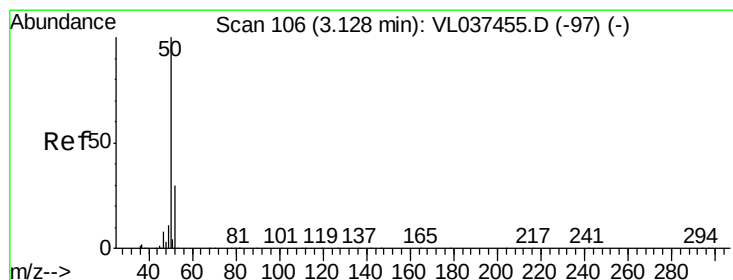
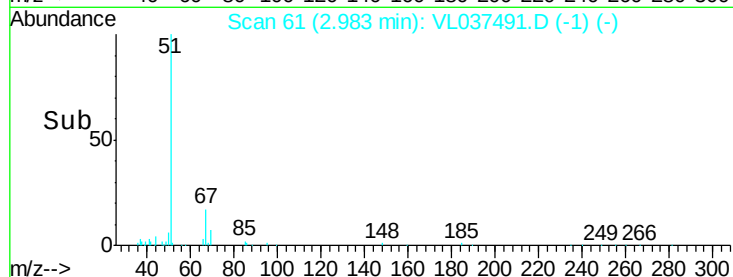
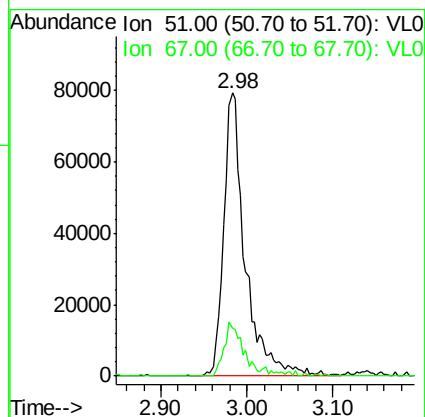
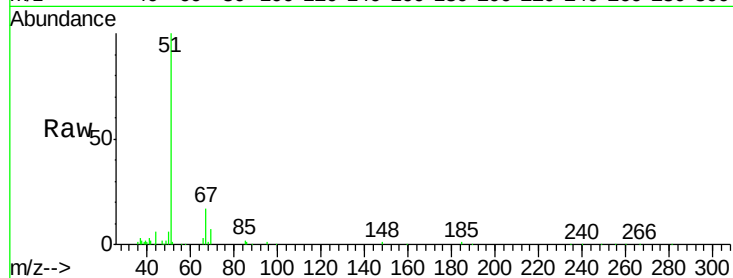
#3
Chlorodifluoromethane
Concen: 0.532 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.9	14.2	21.2

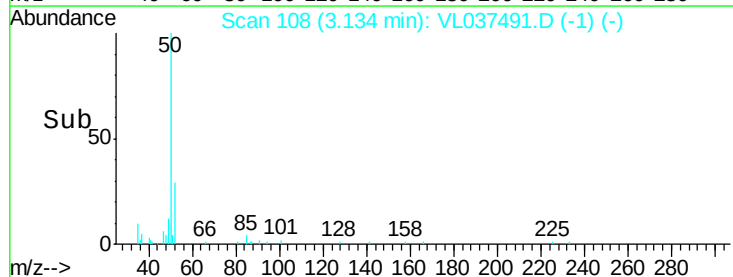
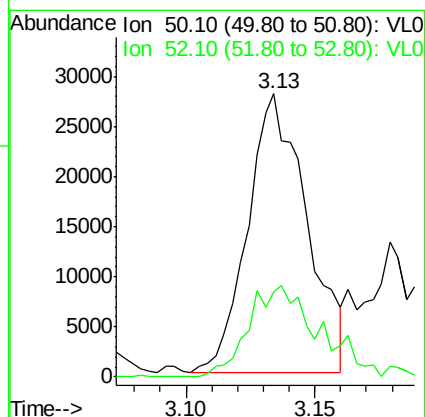
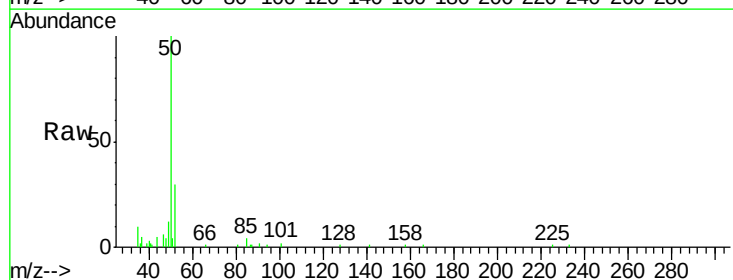
Manual Integrations
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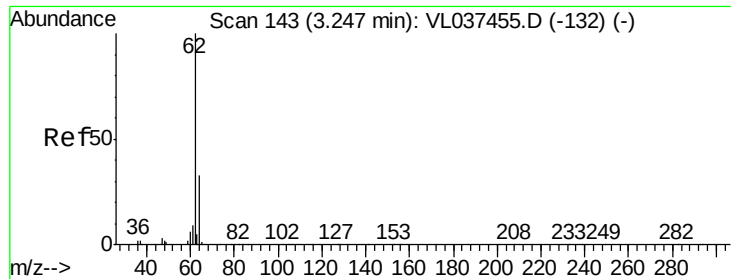
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#4
Chloromethane
Concen: 0.487 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.7	24.0	36.0





#5

Vinyl Chloride

Concen: 0.495 ppbv m

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 62 Resp: 46632

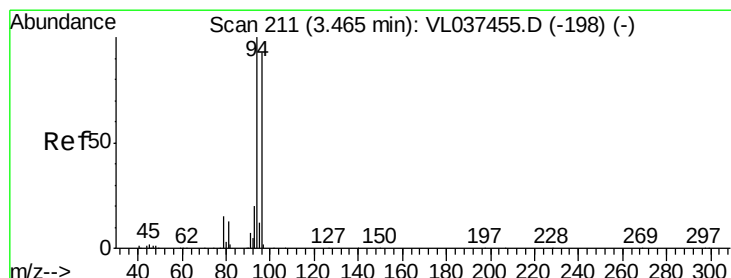
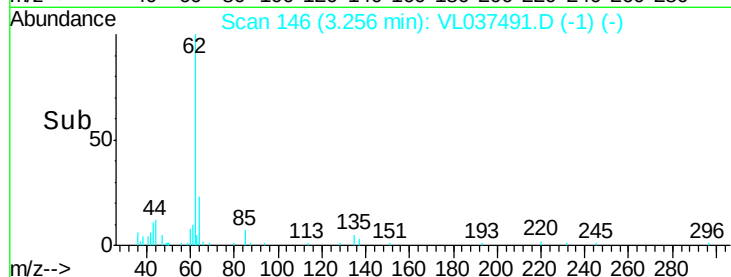
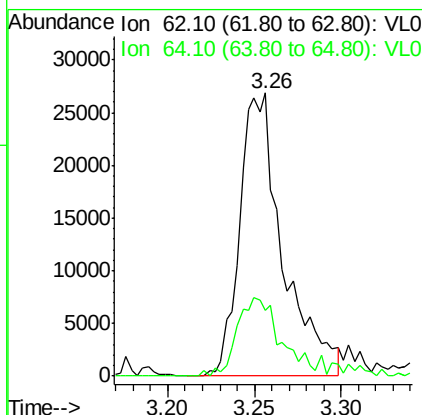
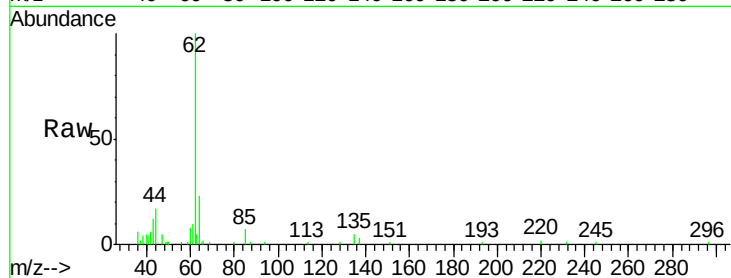
Ion Ratio Lower Upper

62 100

64 23.4 26.5 39.7#

Manual Integrations
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#6

Bromomethane

Concen: 0.512 ppbv m

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL037491.D

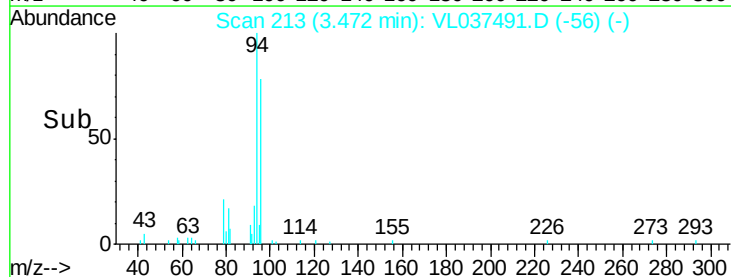
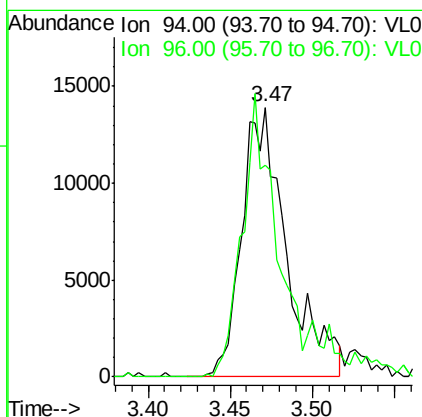
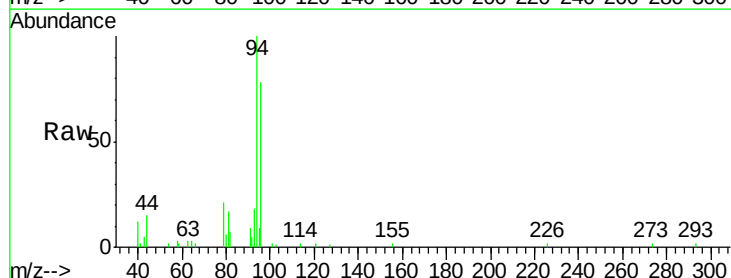
Acq: 18 Aug 2021 14:50

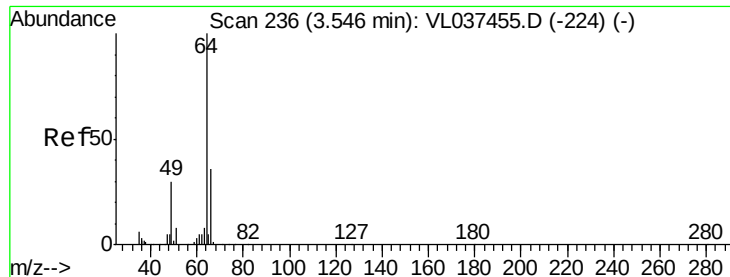
Tgt Ion: 94 Resp: 26425

Ion Ratio Lower Upper

94 100

96 78.4 74.5 111.7





#7

Chloroethane

Concen: 0.596 ppbv m

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 64 Resp: 19181

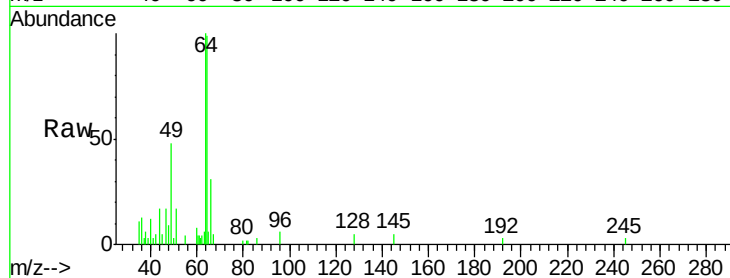
Ion Ratio Lower Upper

64 100

66 31.5 28.6 43.0

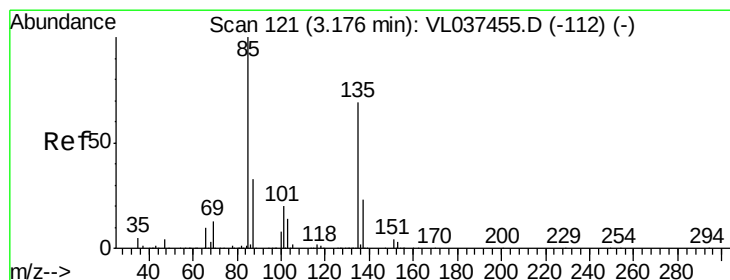
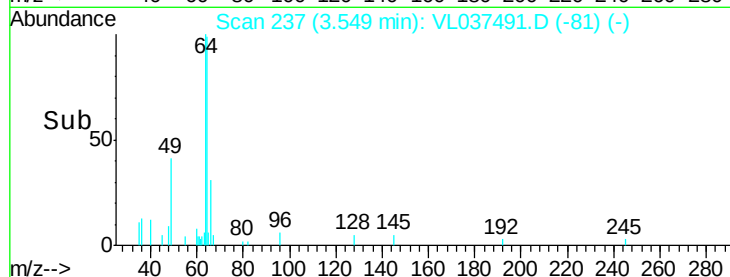
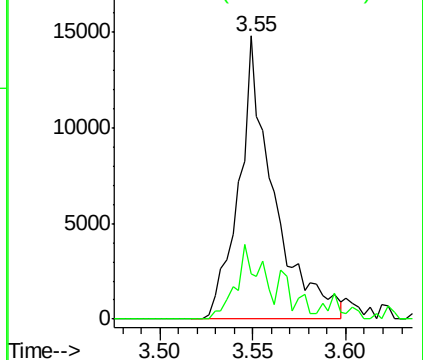
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.527 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037491.D

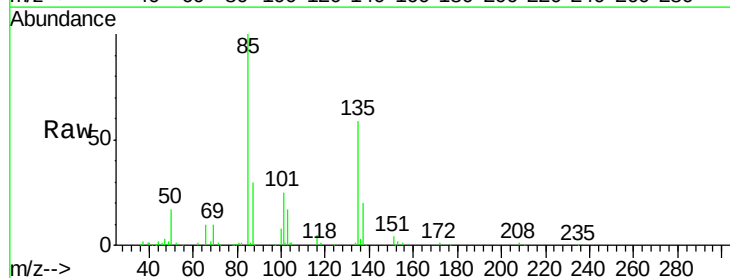
Acq: 18 Aug 2021 14:50

Tgt Ion: 85 Resp: 117464

Ion Ratio Lower Upper

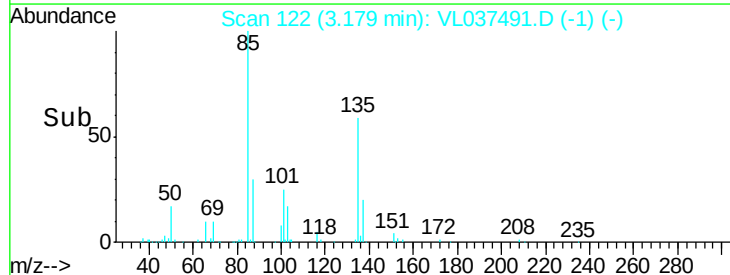
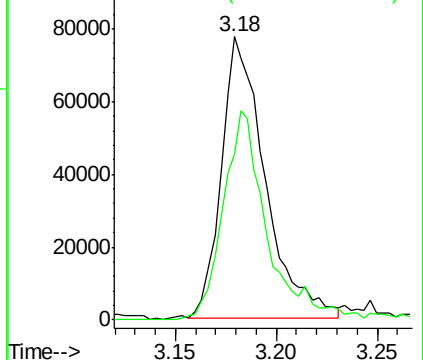
85 100

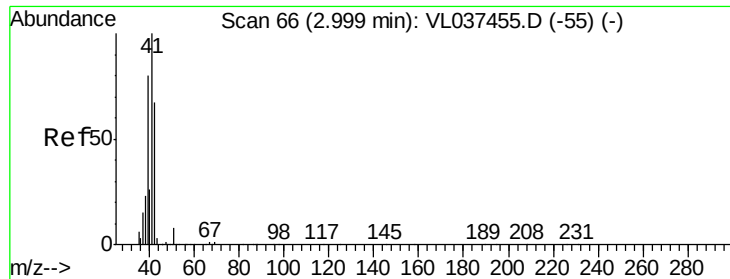
135 73.6 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.461 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 41 Resp: 42451

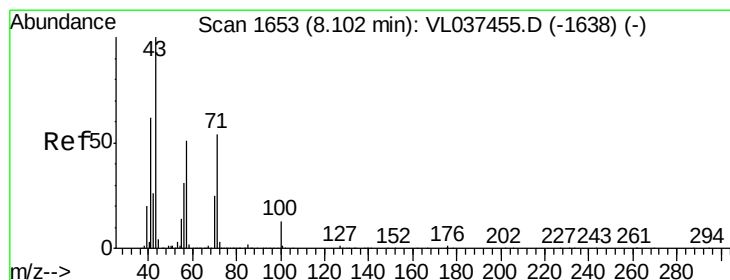
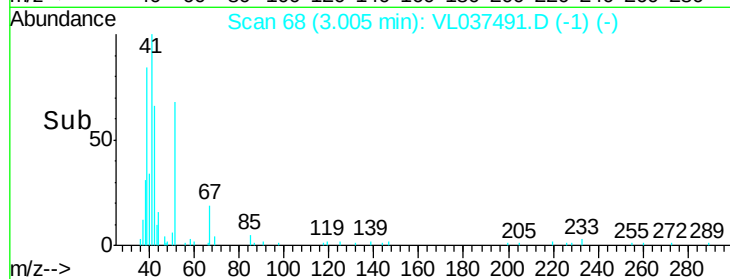
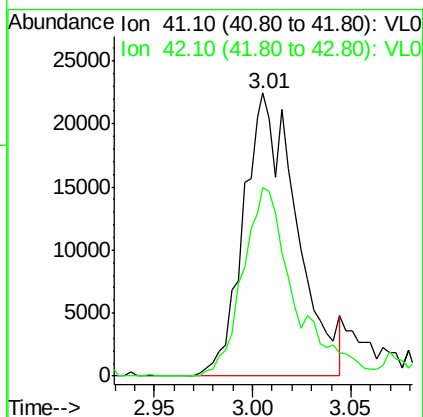
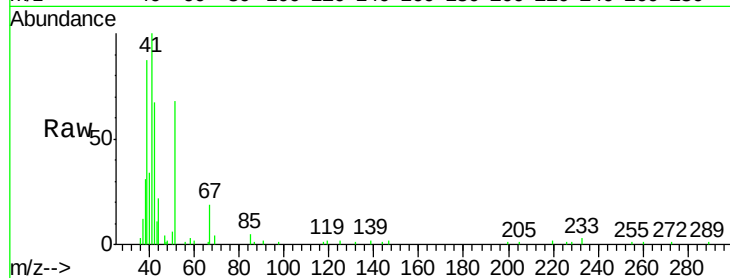
Ion Ratio Lower Upper

41 100

42 64.5 53.7 80.5

Manual Integrations
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#10

Heptane

Concen: 0.411 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037491.D

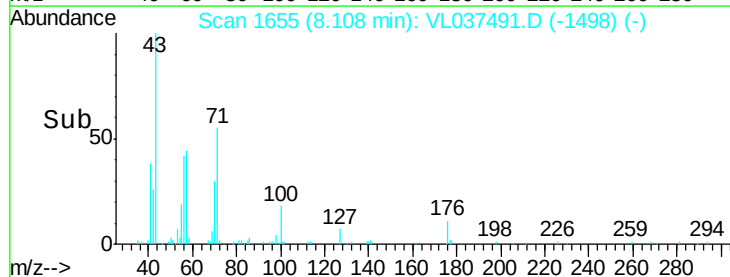
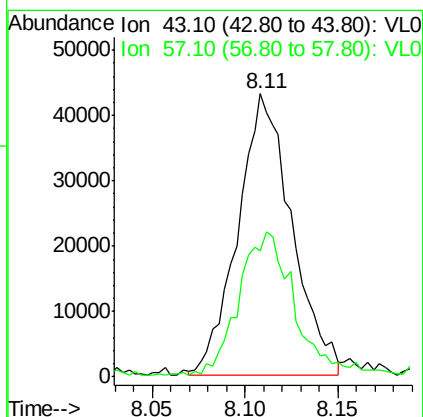
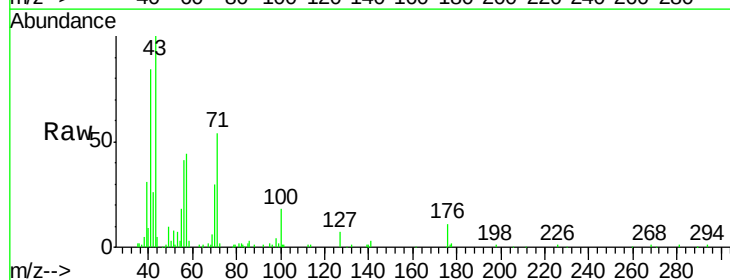
Acq: 18 Aug 2021 14:50

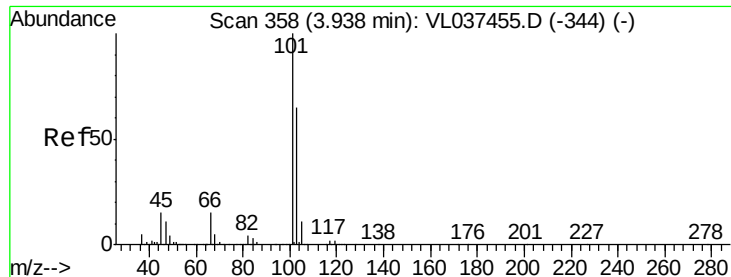
Tgt Ion: 43 Resp: 87142

Ion Ratio Lower Upper

43 100

57 57.1 41.0 61.6





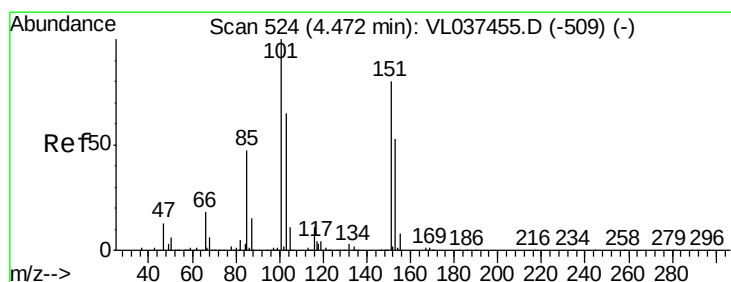
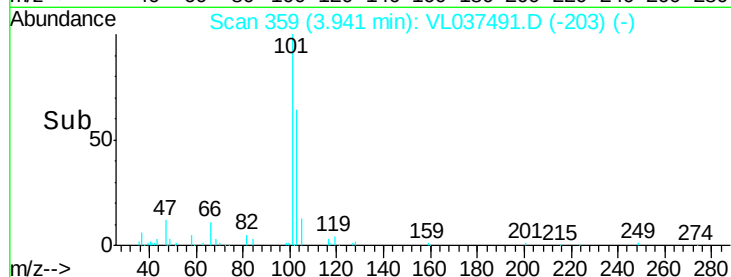
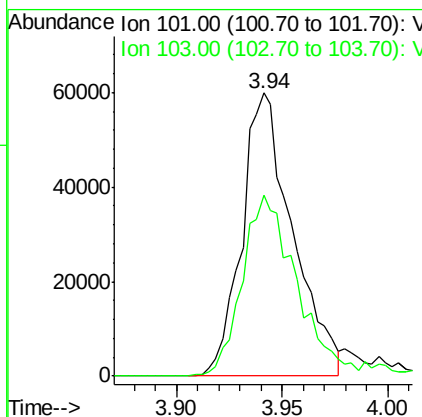
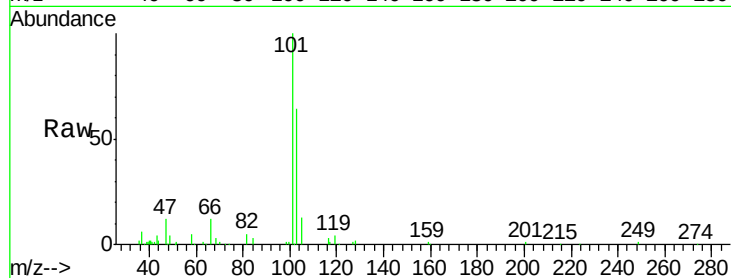
#11
 Trichlorofluoromethane
 Concen: 0.495 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100158		
103	64.1	51.8	77.6	

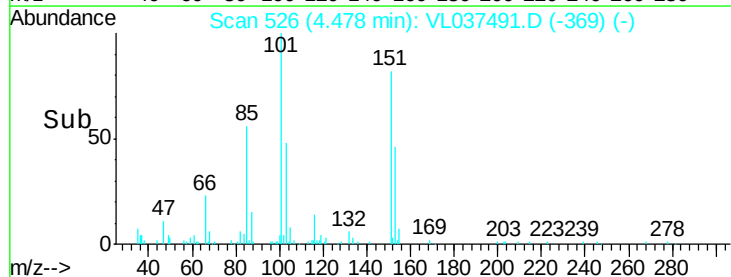
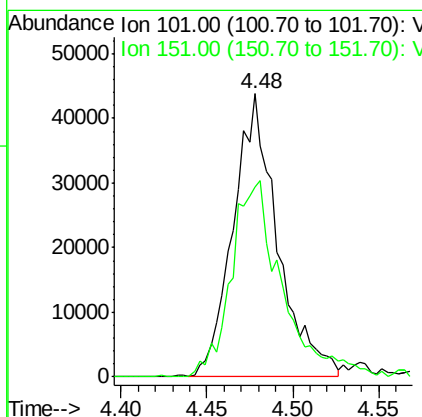
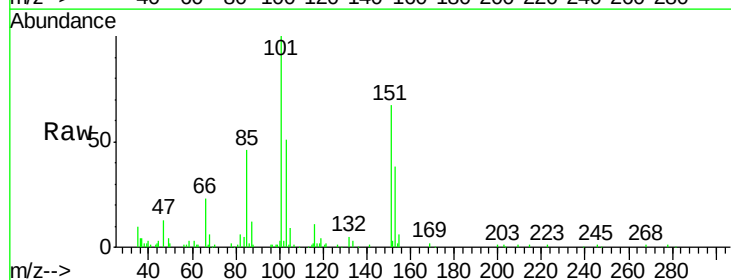
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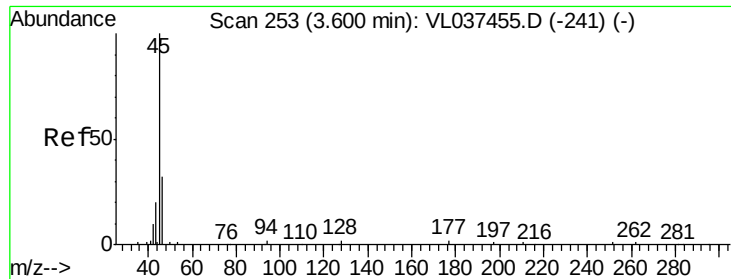
MMDadoda
 8/19/2021 5:57:58 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.527 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	78373		
151	80.3	63.7	95.5	





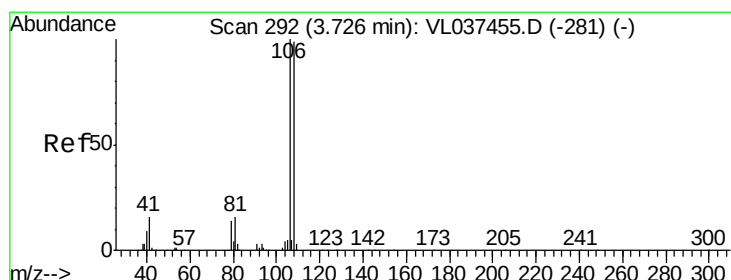
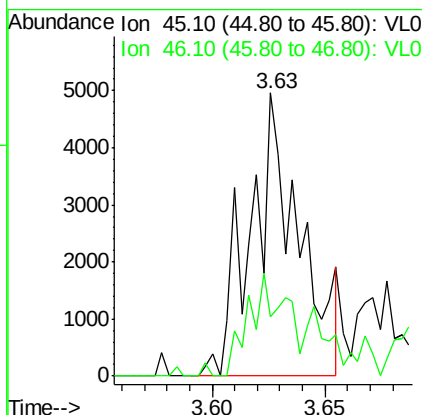
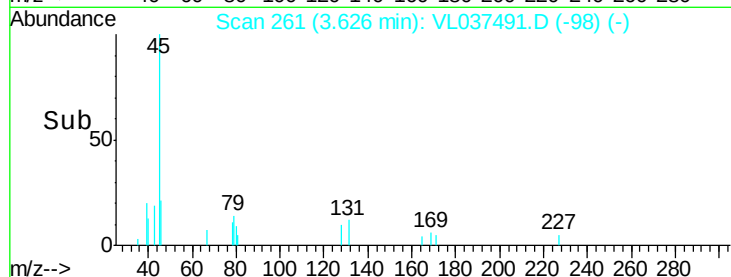
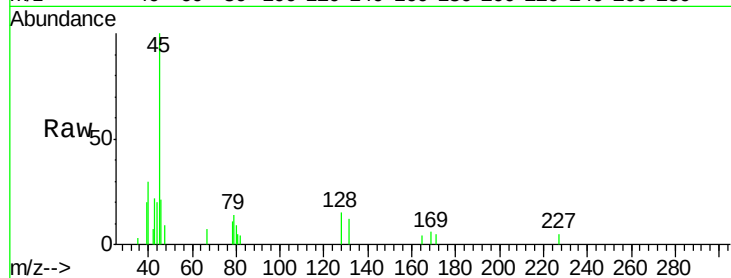
#13
Ethanol
Concen: 0.823 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.03 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion: 45 Resp: 7382
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#

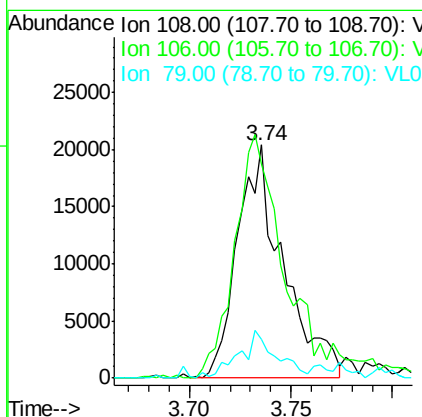
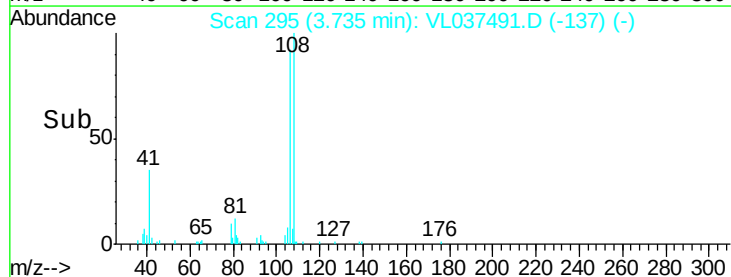
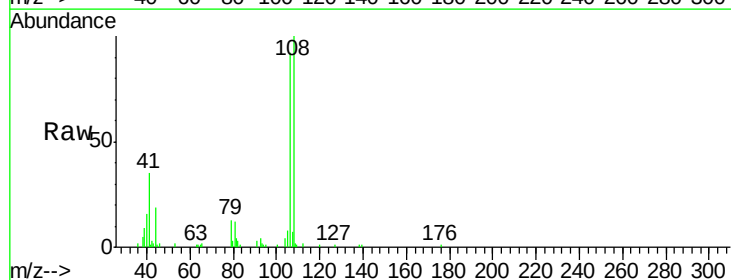
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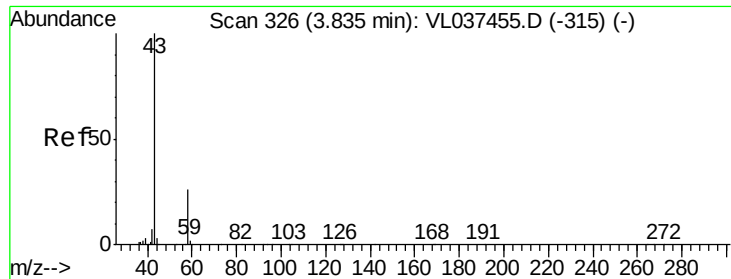
MMDadoda
8/19/2021 5:57:58 PM



#14
Bromoethene
Concen: 0.474 ppbv m
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion: 108 Resp: 31989
Ion Ratio Lower Upper
108 100
106 120.8 85.8 128.8
79 22.2 12.6 18.8#





#15

Acetone

Concen: 0.564 ppbv m

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 43 Resp: 77112

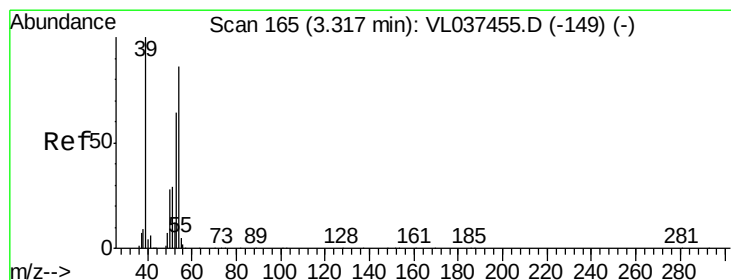
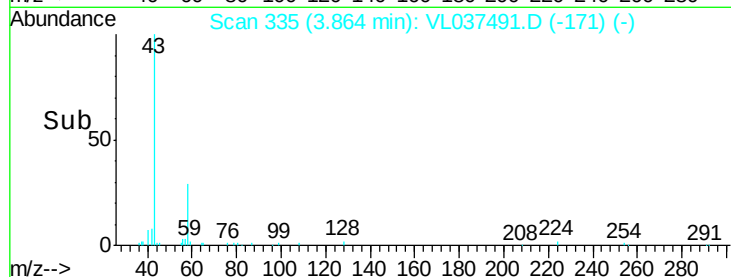
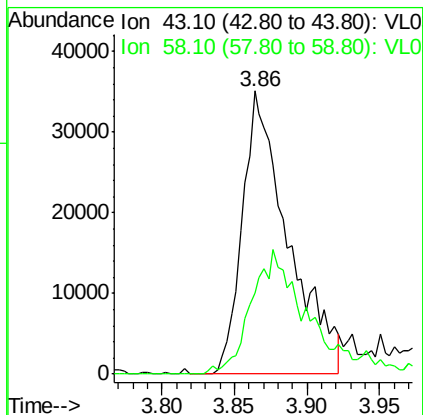
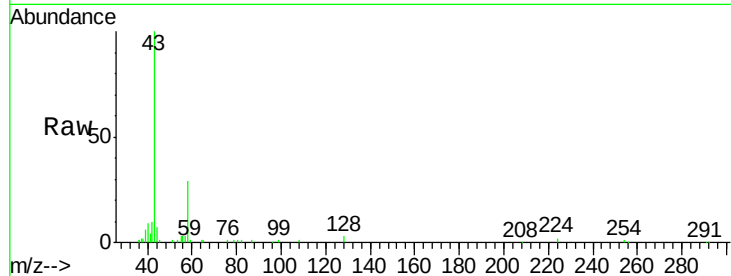
Ion Ratio Lower Upper

43 100

58 54.8 24.8 37.2#

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#16

1,3-Butadiene

Concen: 0.492 ppbv m

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037491.D

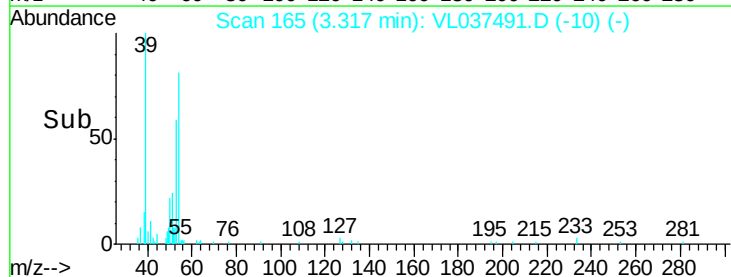
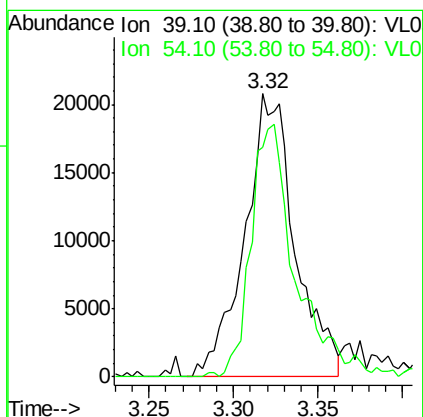
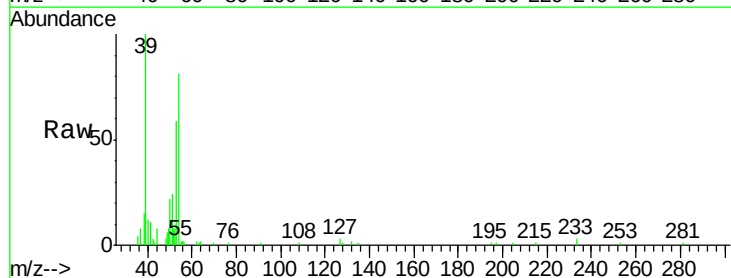
Acq: 18 Aug 2021 14:50

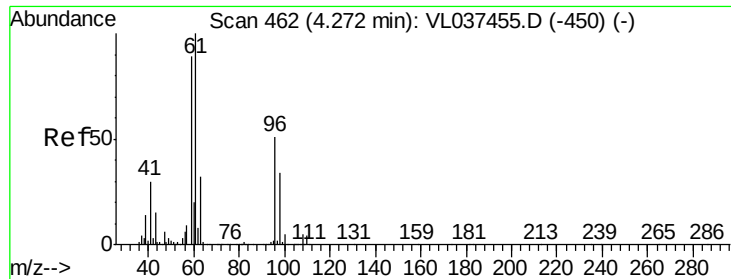
Tgt Ion: 39 Resp: 43214

Ion Ratio Lower Upper

39 100

54 80.1 63.7 95.5





#17

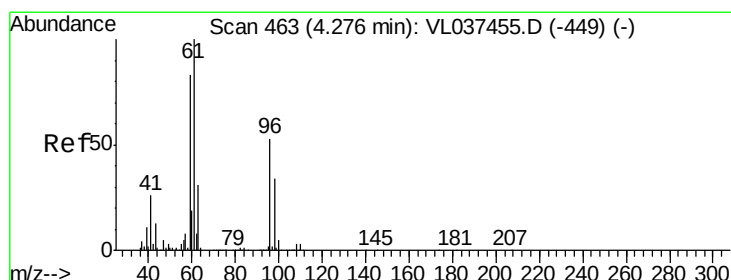
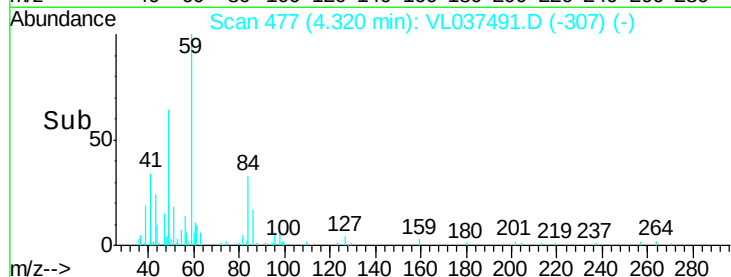
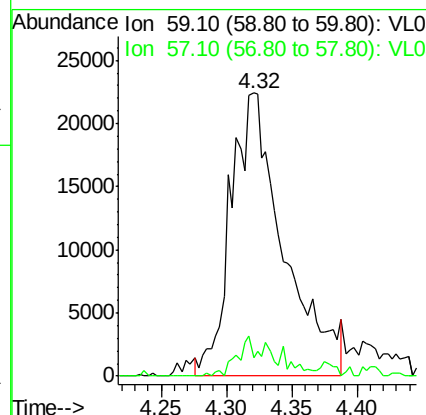
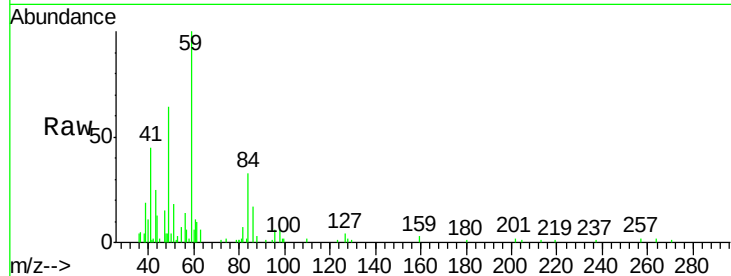
tert-Butyl alcohol
Concen: 0.504 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.05 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

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

Manual Integrations
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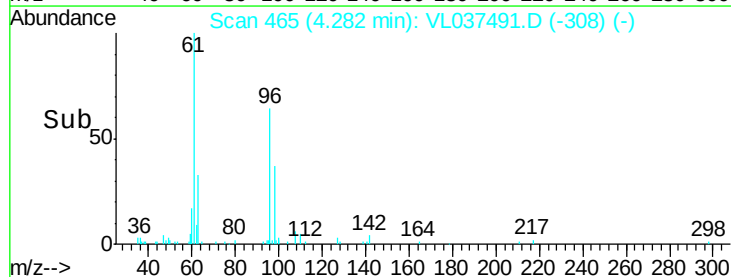
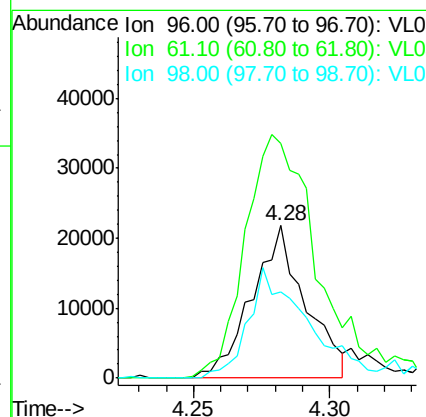
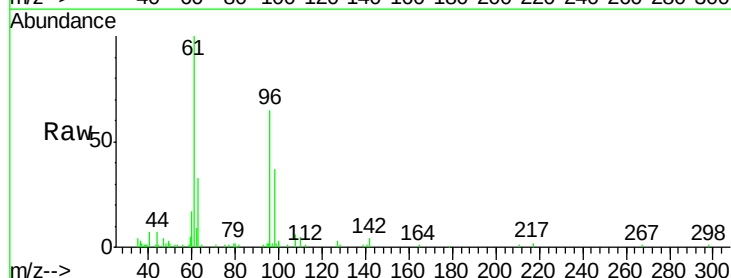
MMDadoda
8/19/2021 5:57:58 PM

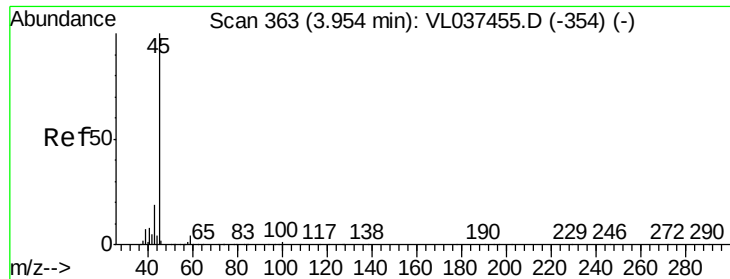


#18

1,1-Dichloroethene
Concen: 0.440 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	151.1	226.7
98	56.2	51.8	77.8





#19

Isopropyl Alcohol

Concen: 0.490 ppbv m

RT: 3.99 min Scan# 375

Delta R.T. 0.04 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 45 Resp: 38422

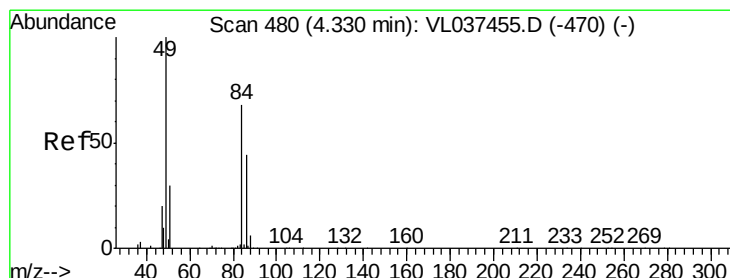
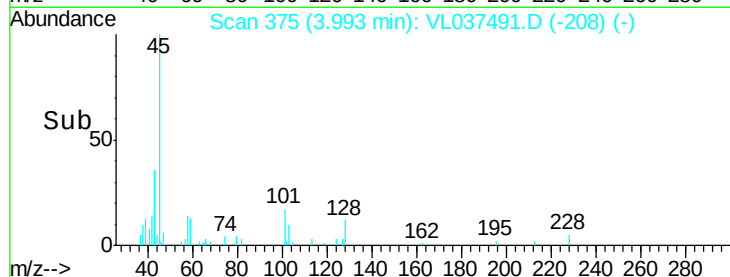
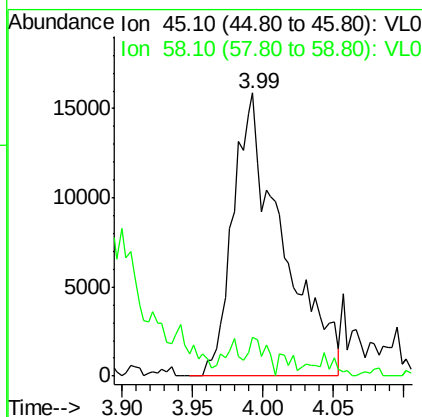
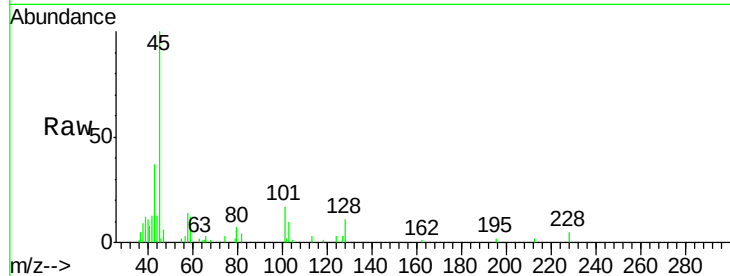
Ion Ratio Lower Upper

45 100

58 9.3 1.4 2.2#

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#20

Methylene Chloride

Concen: 0.606 ppbv m

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion: 84 Resp: 41534

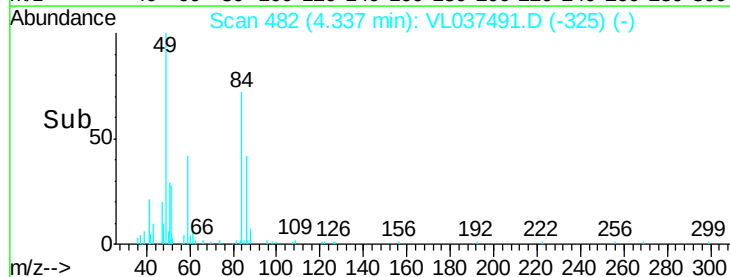
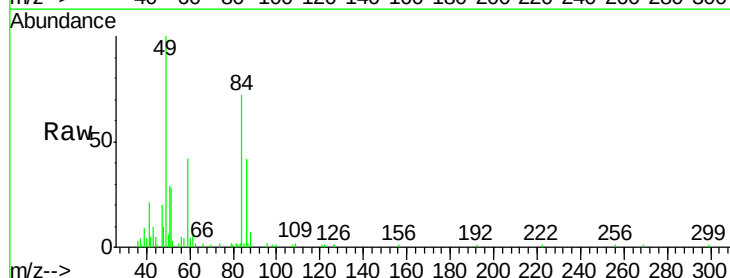
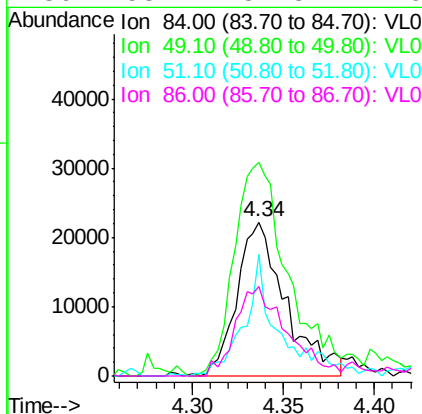
Ion Ratio Lower Upper

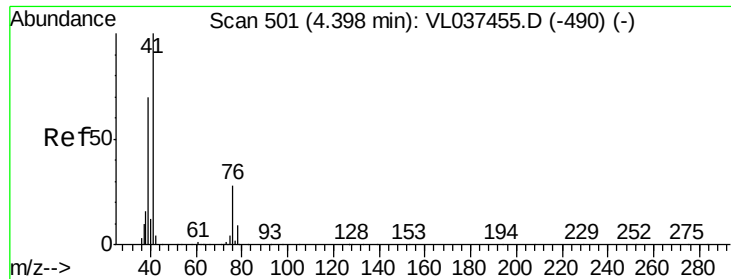
84 100

49 138.6 118.2 177.2

51 40.3 36.6 55.0

86 58.2 51.8 77.6





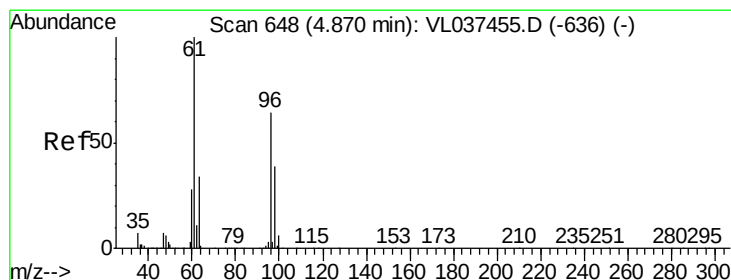
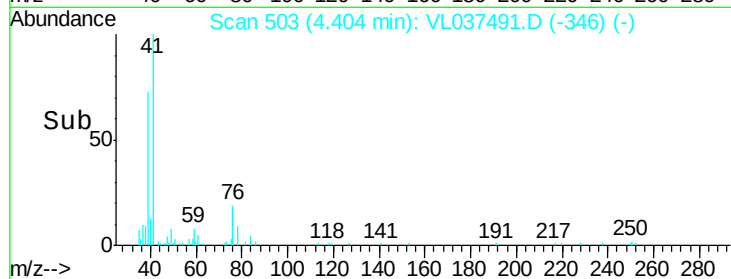
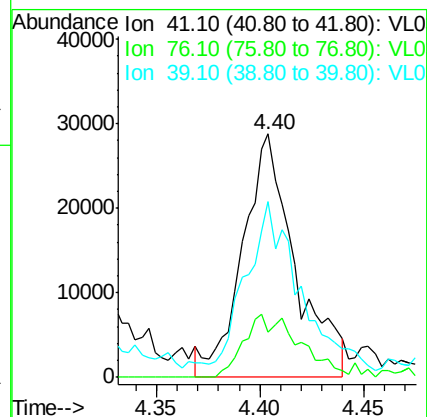
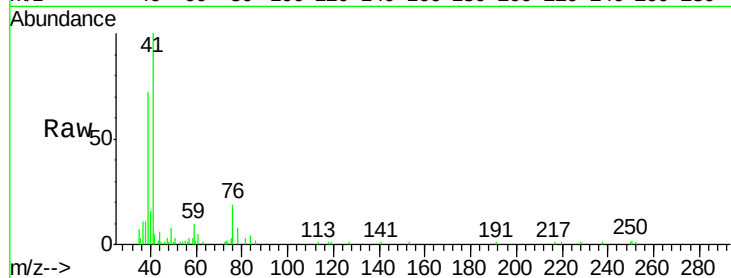
#21
Allvl Chloride
Concen: 0.454 ppbv m
RT: 4.40 min Scan# 503
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.0	21.8	32.6
39	80.5	56.8	85.2

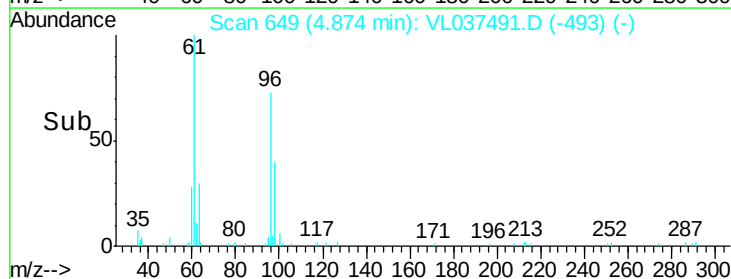
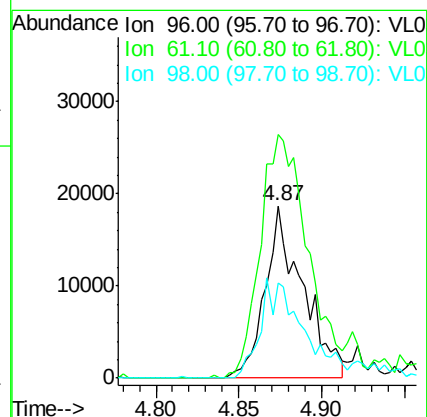
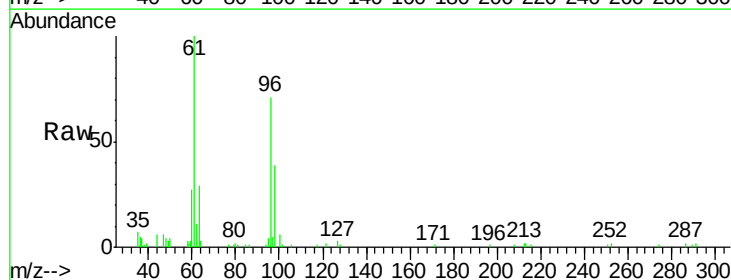
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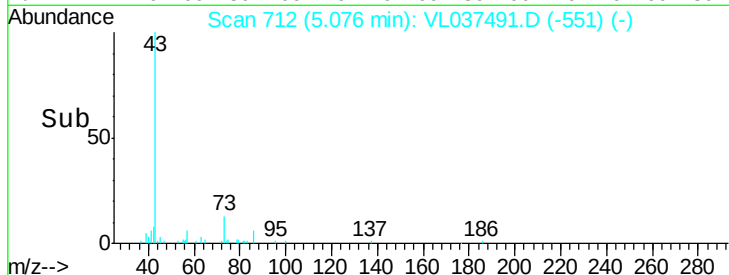
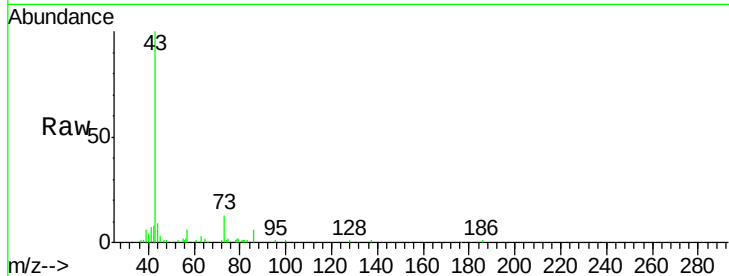
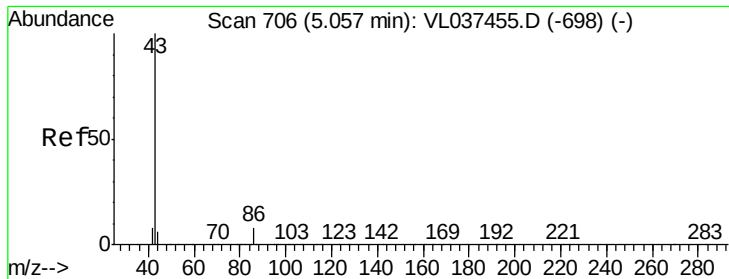
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.436 ppbv m
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.3	125.5	188.3
98	55.2	49.0	73.4





#23

Vinyl Acetate

Concen: 0.411 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.02 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tot Ion	43	Resp	82979
Ion Ratio	Lower	Upper	
43	100		
86	6.8	5.7	8.5
42	6.2	7.4	11.2
44	5.6	4.3	6.5

Instrument :

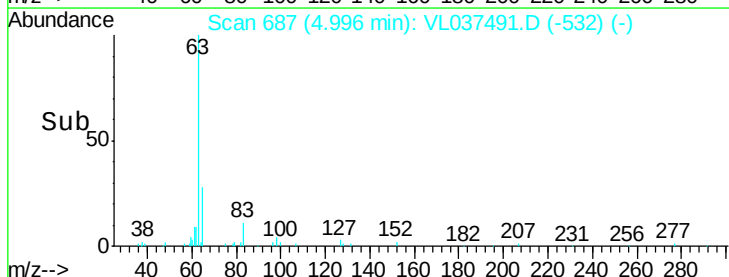
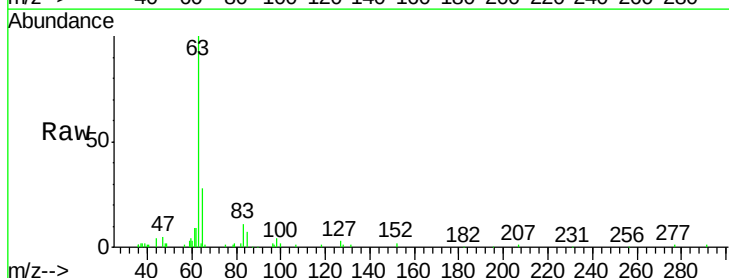
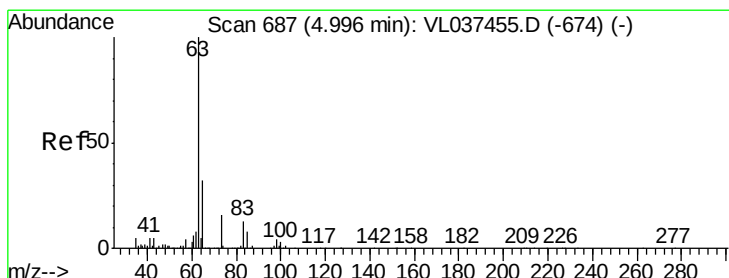
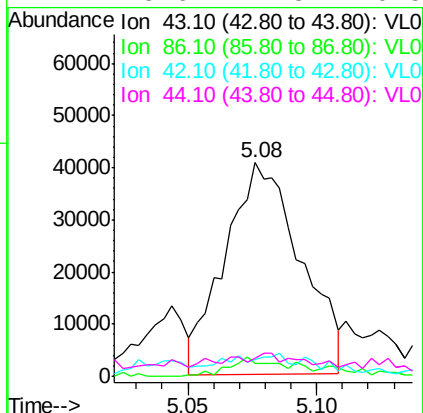
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

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#24

1,1-Dichloroethane

Concen: 0.518 ppbv m

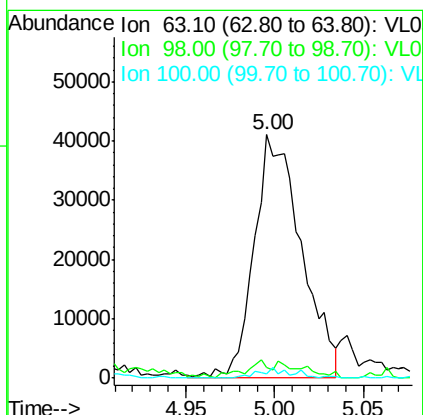
RT: 5.00 min Scan# 687

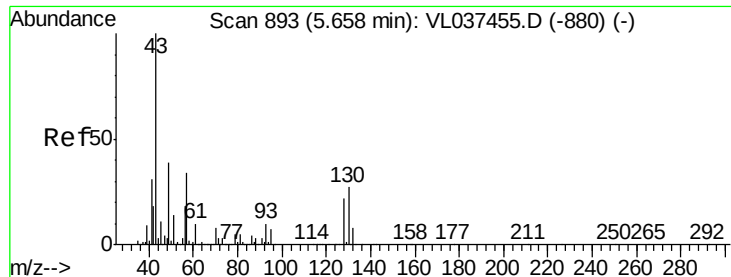
Delta R.T. -0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion	63	Resp	75804
Ion Ratio	Lower	Upper	
63	100		
98	4.3	2.1	6.3
100	1.8	1.6	4.7





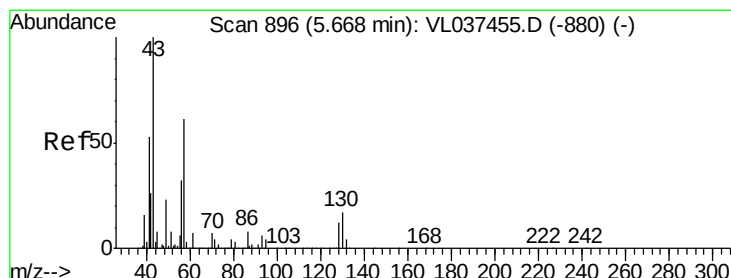
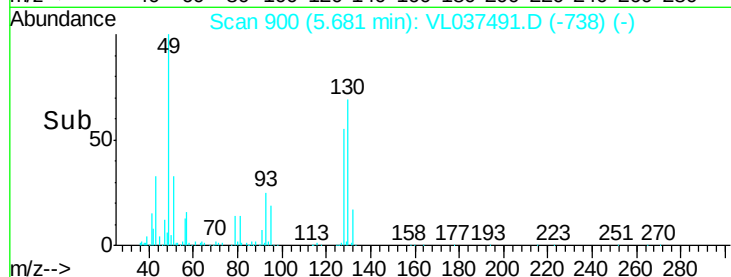
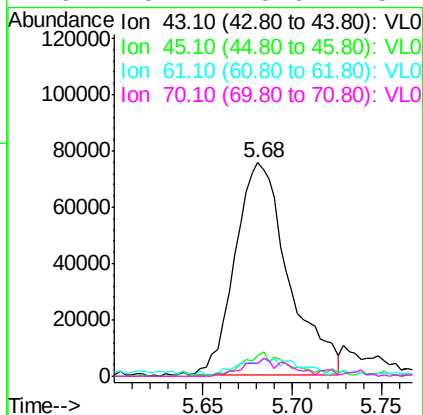
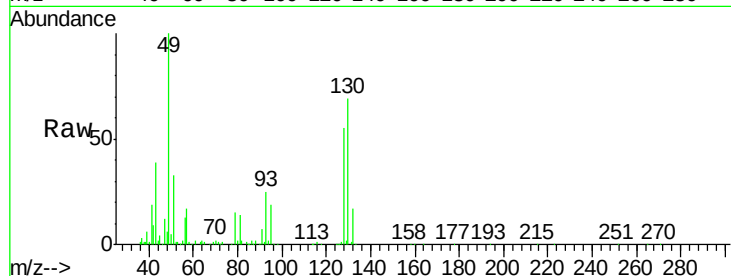
#25
Ethyl Acetate
Concen: 0.451 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
45	12.1	8.0	12.0#	
61	12.4	8.0	12.0#	
70	9.1	5.6	8.4#	

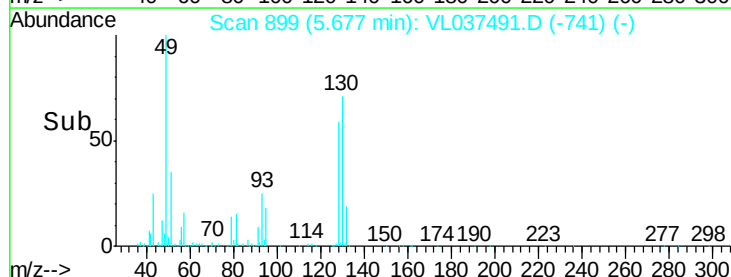
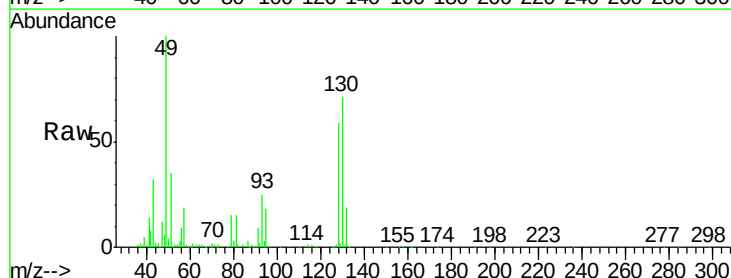
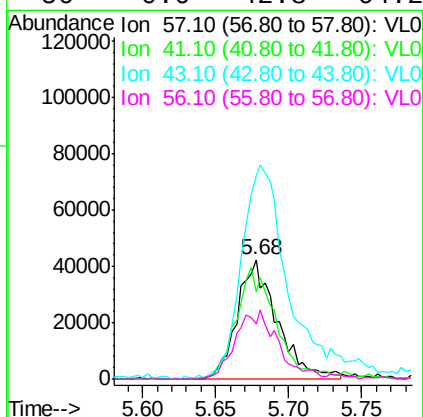
Manual Integrations
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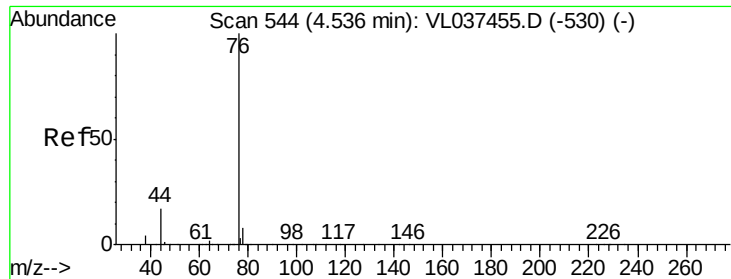
MMDadoda
8/19/2021 5:57:58 PM



#26
Hexane
Concen: 0.469 ppbv m
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	96.9	72.3	108.5	
43	0.0	172.3	258.5#	
56	0.0	42.8	64.2#	





#27

Carbon Disulfide

Concen: 0.399 ppbv m

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

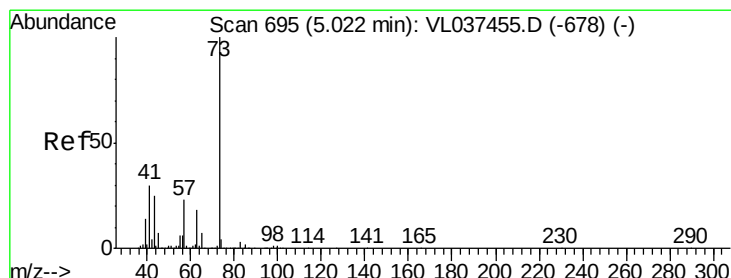
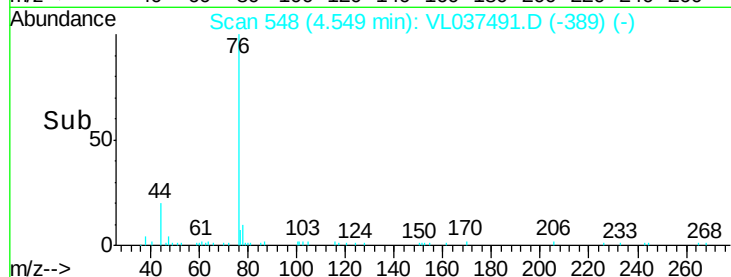
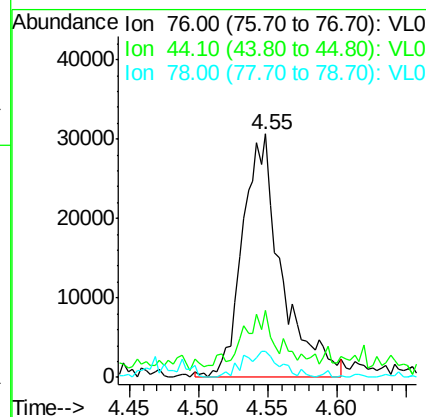
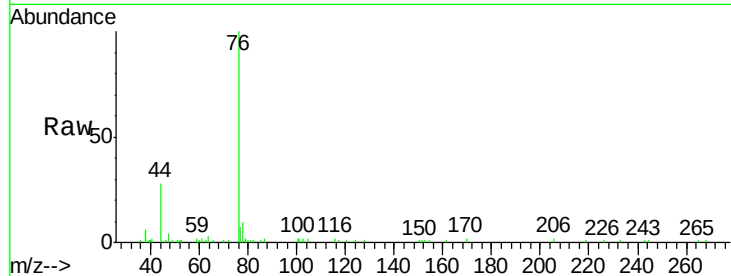
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	76	Resp:	60337
Ion	Ratio	Lower	Upper
76	100		
44	20.7	13.9	20.9
78	10.0	7.9	11.9

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.517 ppbv m

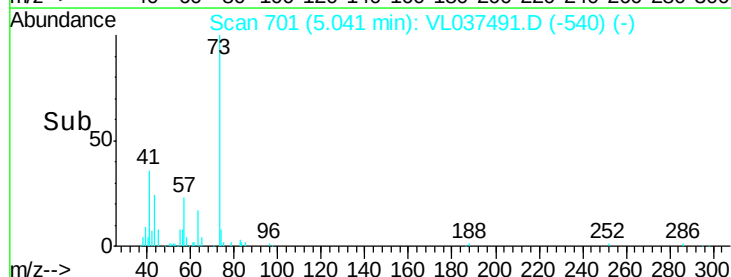
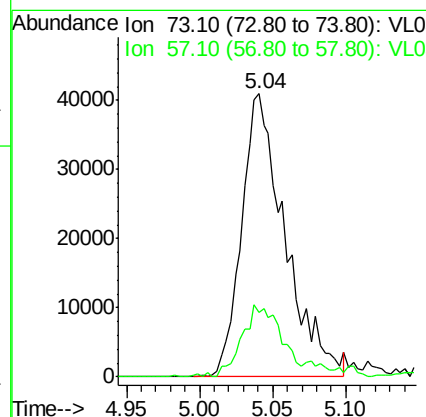
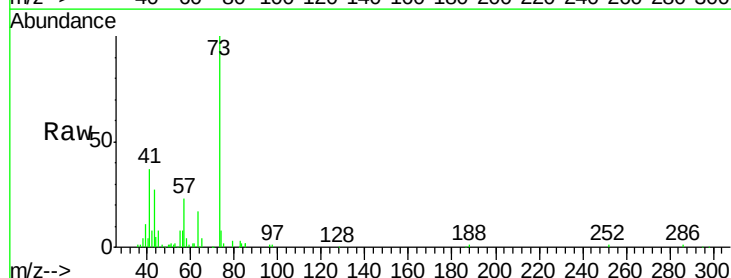
RT: 5.04 min Scan# 701

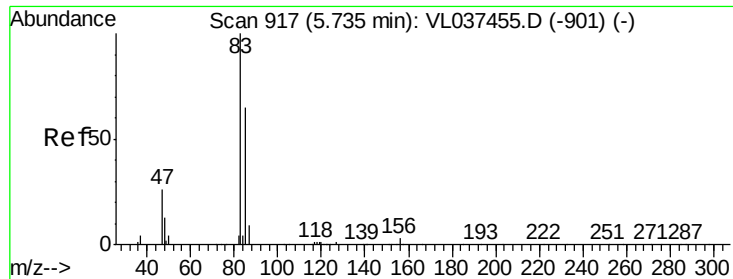
Delta R.T. 0.02 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion:	73	Resp:	84353
Ion	Ratio	Lower	Upper
73	100		
57	26.9	19.4	29.2





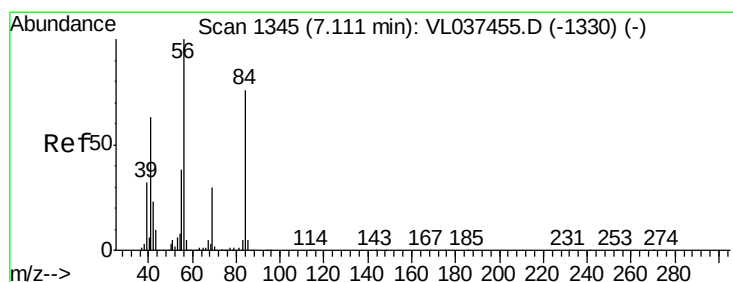
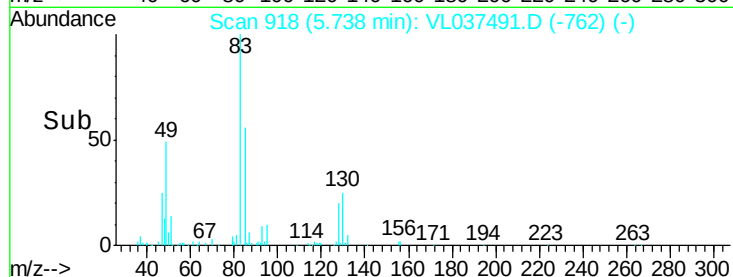
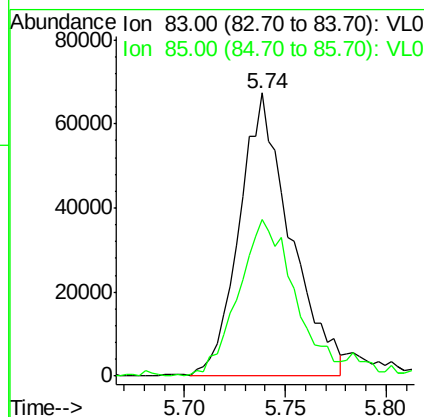
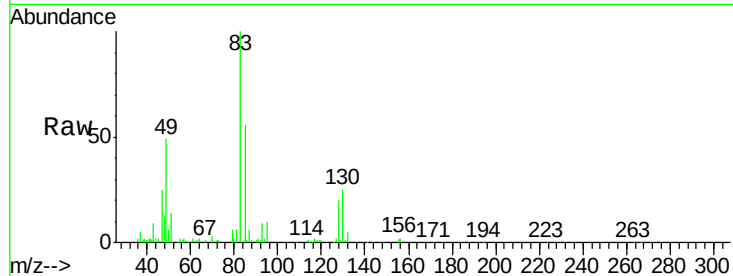
#29
Chloroform
Concen: 0.492 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion: 83 Resp: 118330
Ion Ratio Lower Upper
83 100
85 55.2 52.3 78.5

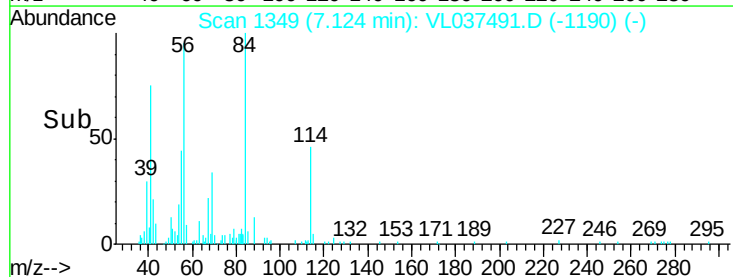
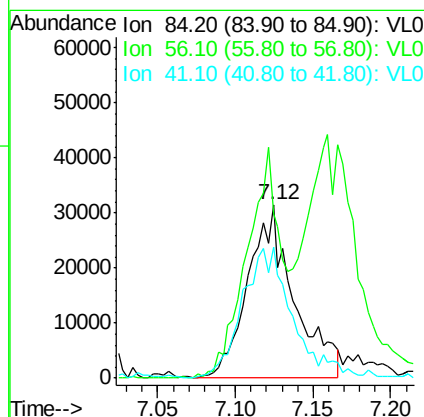
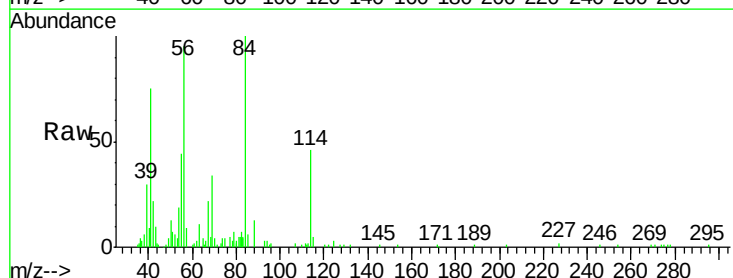
Manual Integrations
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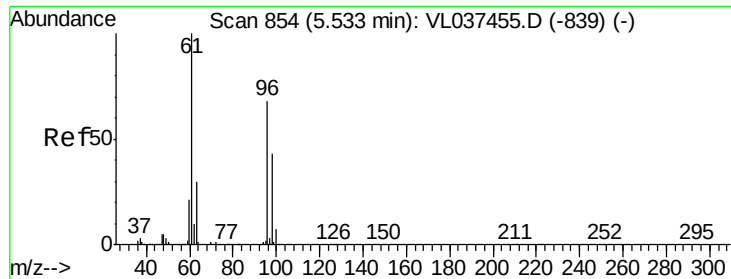
MMDadoda
8/19/2021 5:57:58 PM



#30
Cyclohexane
Concen: 0.460 ppbv m
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion: 84 Resp: 65129
Ion Ratio Lower Upper
84 100
56 96.0 110.6 165.8#
41 82.1 67.0 100.6





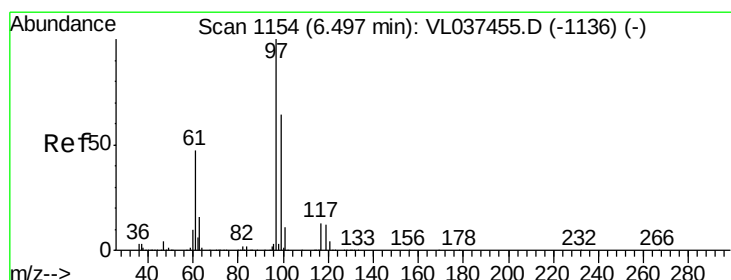
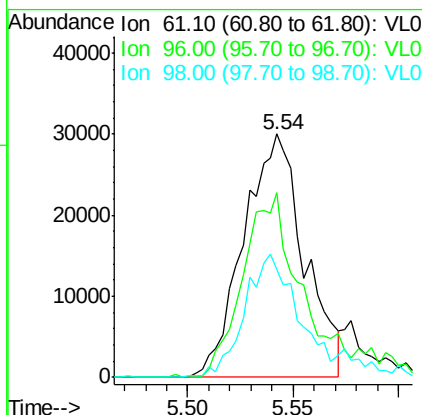
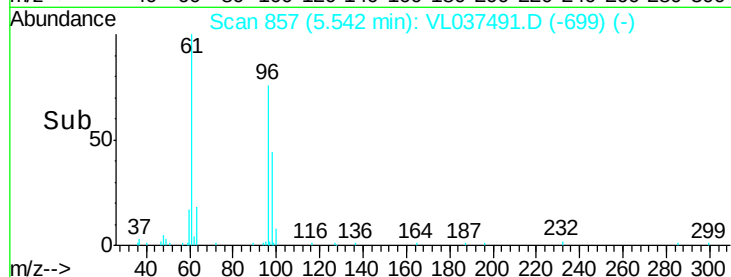
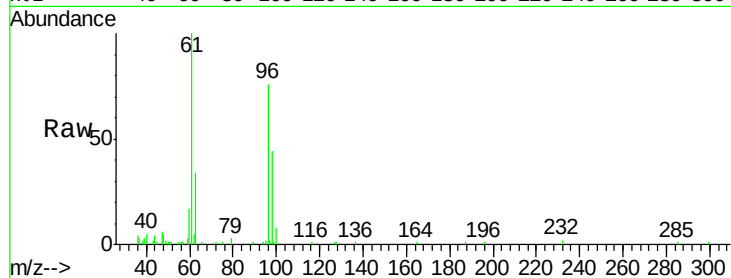
#31
 cis-1,2-Dichloroethene
 Concen: 0.392 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
61	100	60254		
96	75.8		54.8	82.2
98	43.4		34.2	51.2

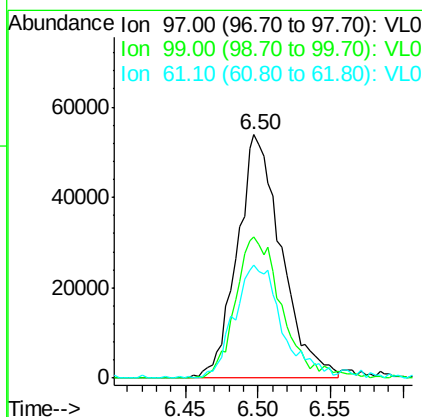
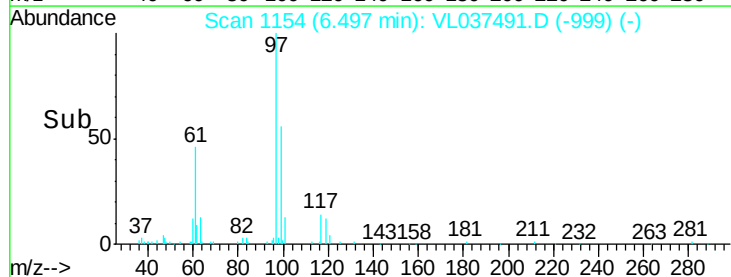
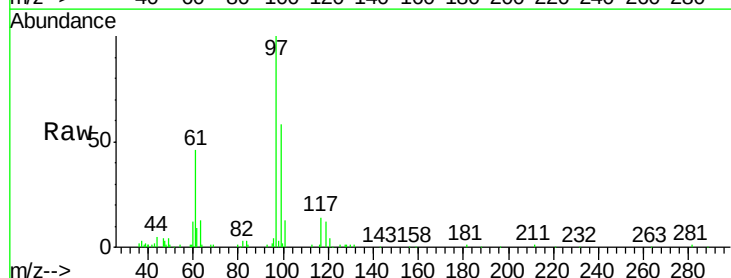
Manual Integrations
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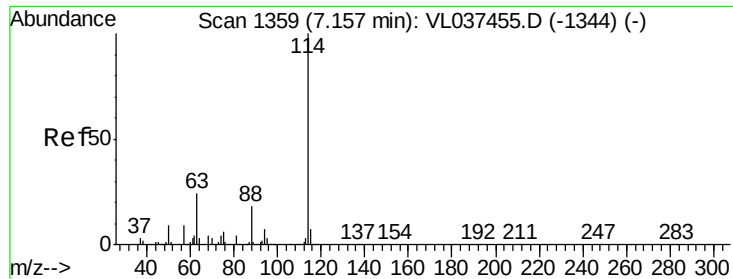
MMDadoda
 8/19/2021 5:57:58 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.484 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	114533		
99	60.8		51.8	77.6
61	52.1		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: VL037491.D

Acq: 18 Aug 2021 14:50

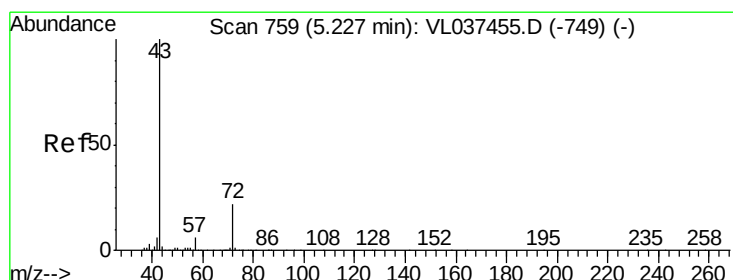
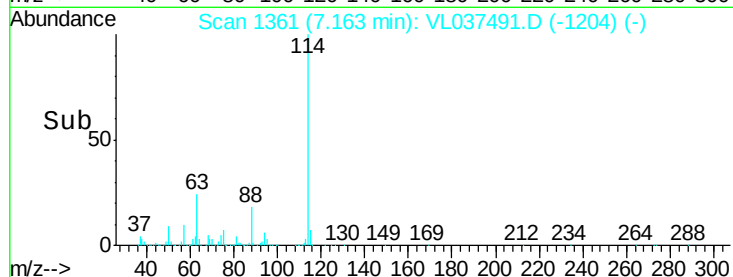
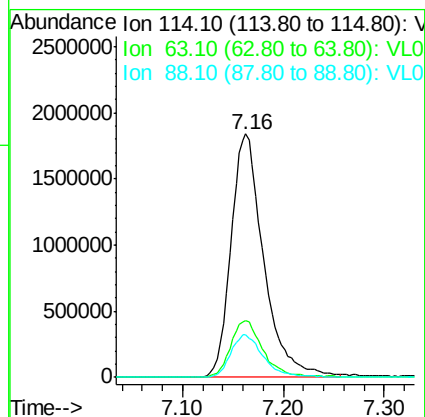
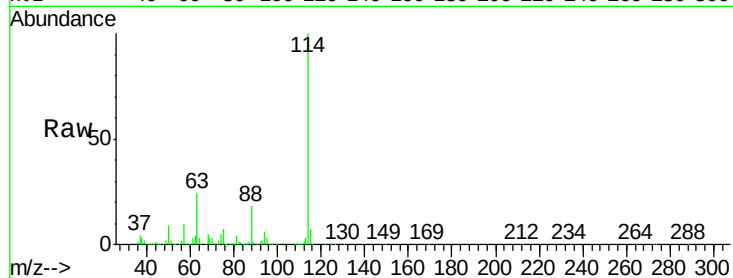
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.3	28.9
88	17.8	14.2	21.4

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8/19/2021 5:57:58 PM



#34

2-Butanone

Concen: 0.472 ppbv m

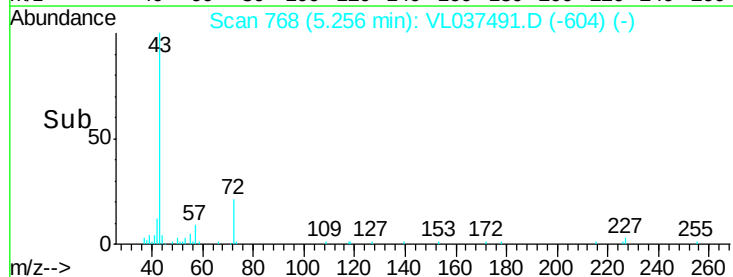
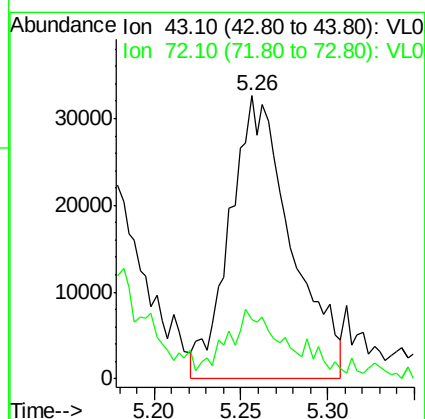
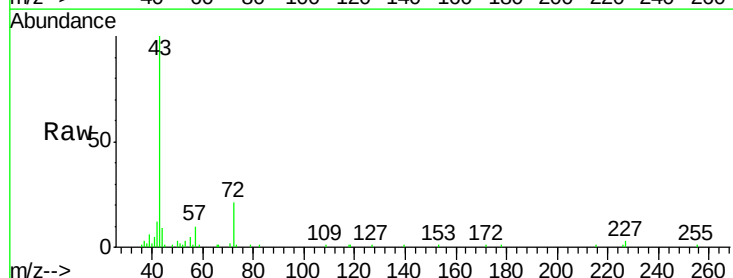
RT: 5.26 min Scan# 768

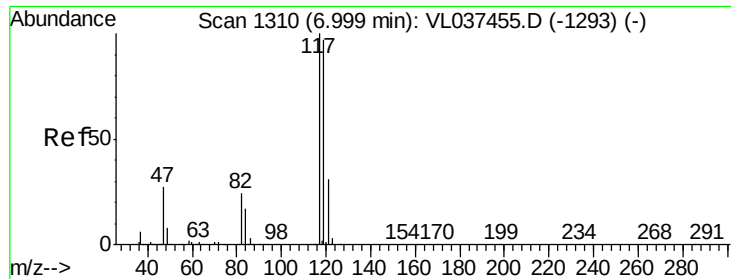
Delta R.T. 0.03 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

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





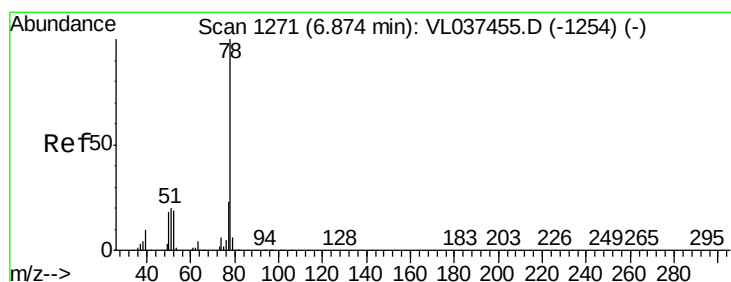
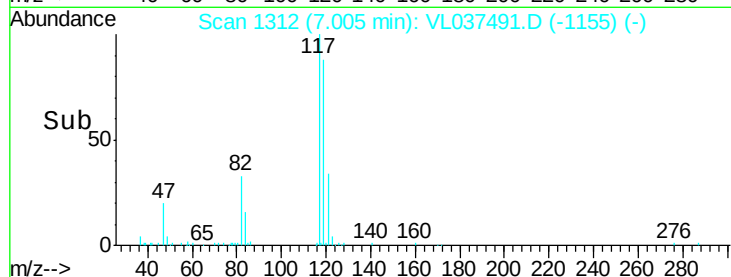
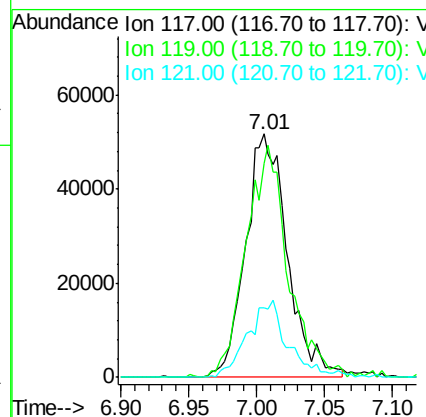
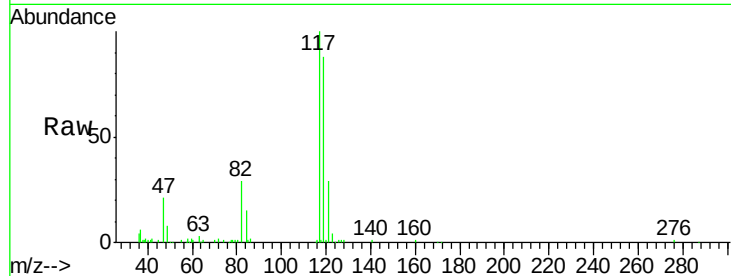
#35
Carbon Tetrachloride
Concen: 0.449 ppbv m
RT: 7.01 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	87.9	77.3	115.9
121	28.6	25.2	37.8

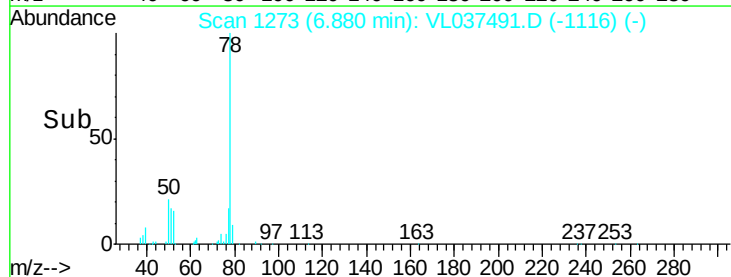
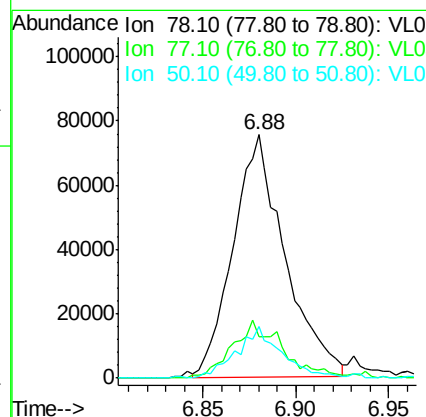
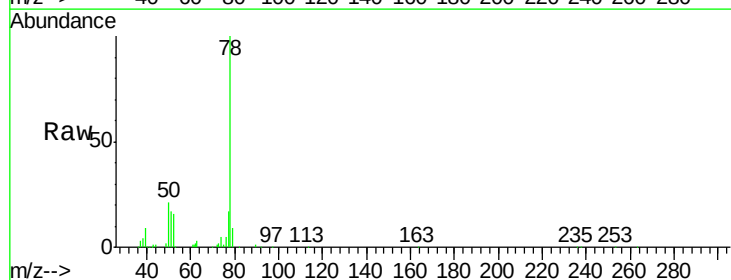
Manual Integrations
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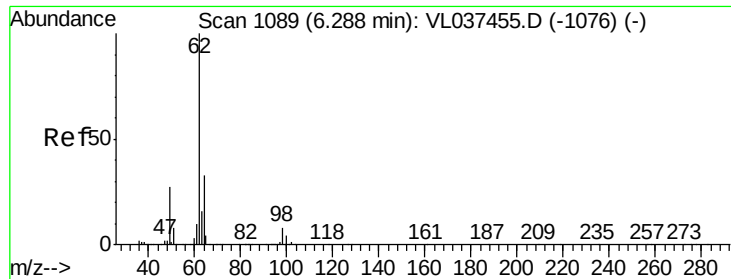
MMDadoda
8/19/2021 5:57:58 PM



#36
Benzene
Concen: 0.422 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	16.3	18.2	27.4#
50	21.4	14.6	21.8





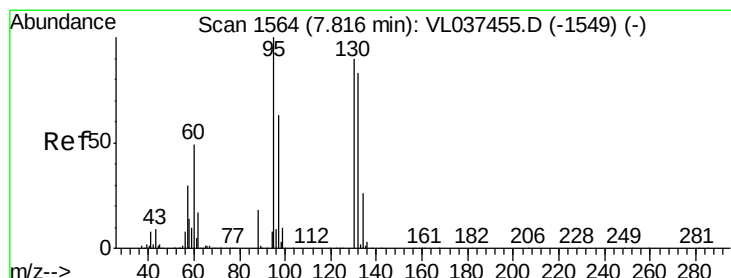
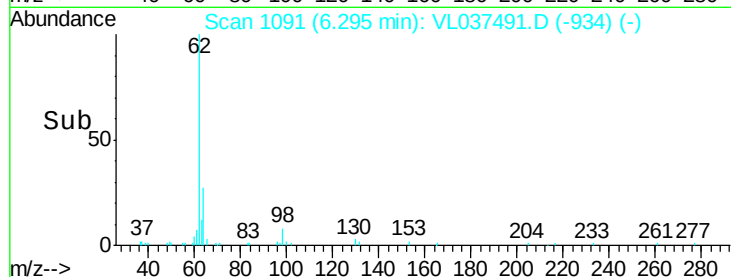
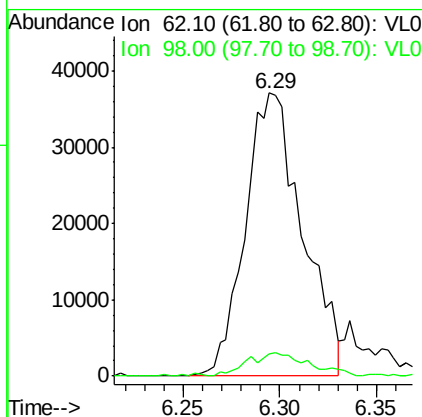
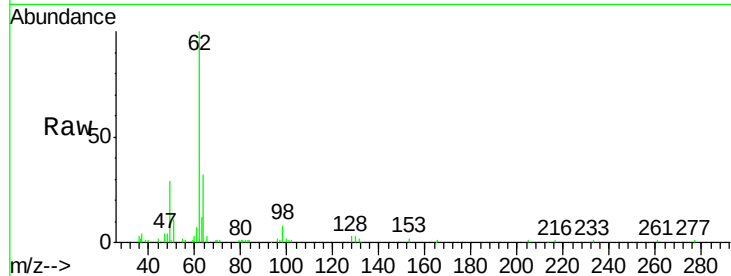
#37
 1,2-Dichloroethane
 Concen: 0.440 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
62	100	76263		
98	9.5	6.0	9.0#	

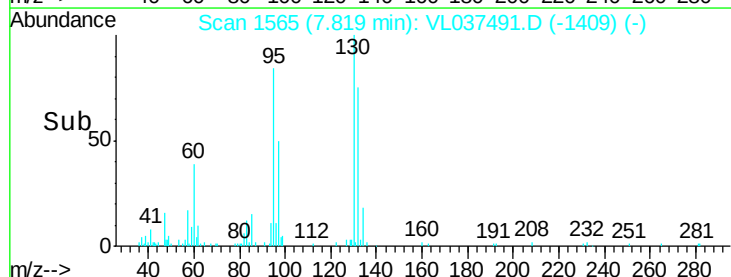
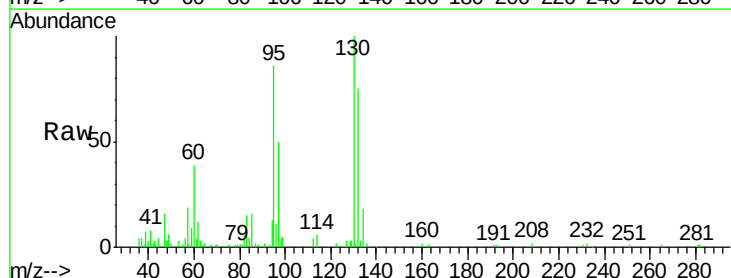
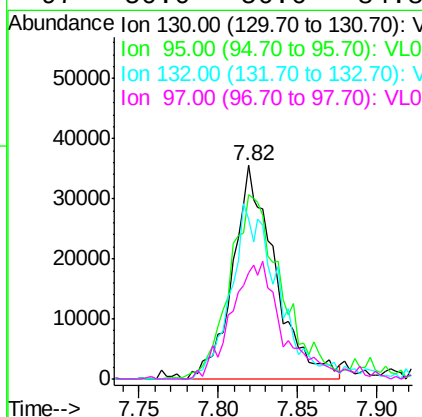
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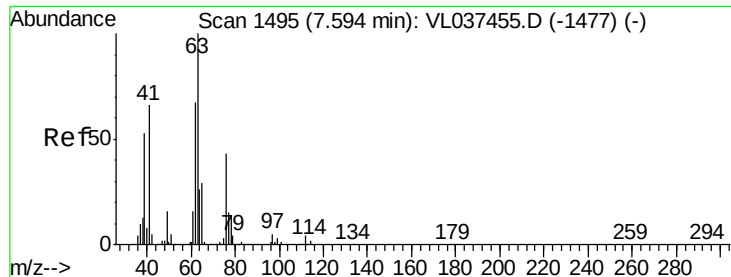
MMDadoda
 8/19/2021 5:57:58 PM



#38
 Trichloroethene
 Concen: 0.471 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	67508		
95	86.3	89.2	133.8#	
132	75.1	74.0	111.0	
97	50.0	56.6	84.8#	





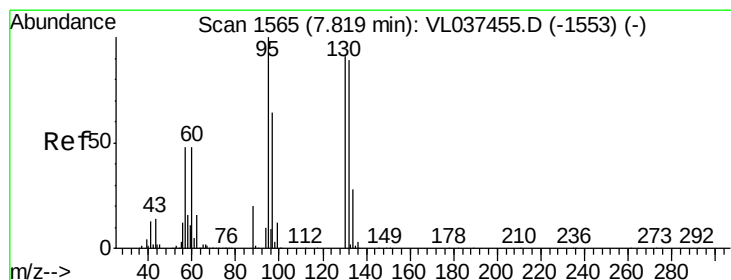
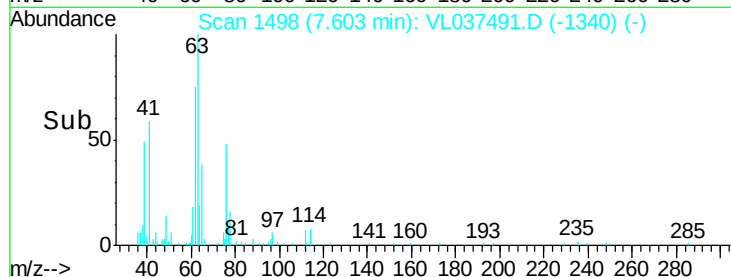
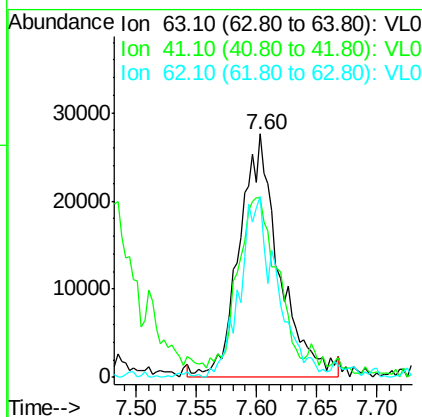
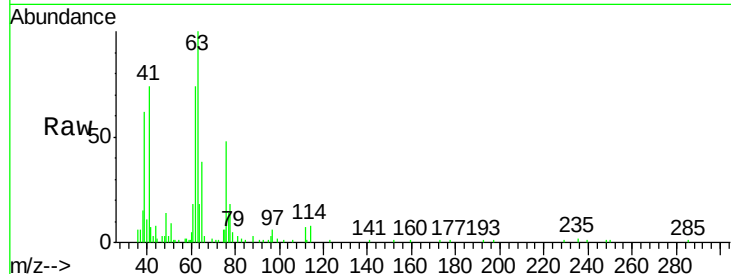
#39
 1,2-Dichloropropane
 Concen: 0.471 ppbv m
 RT: 7.60 min Scan# 1498
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion:	63	Resp:	63240
Ion	Ratio	Lower	Upper
63	100		
41	73.6	52.4	78.6
62	74.3	53.6	80.4

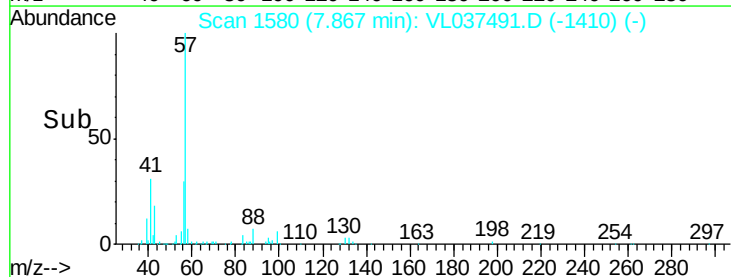
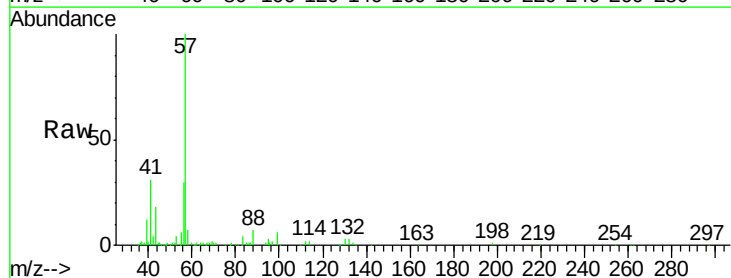
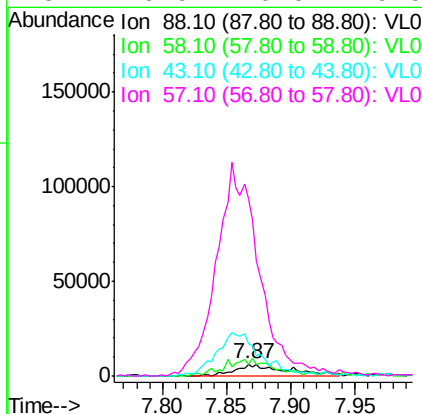
Manual Integrations
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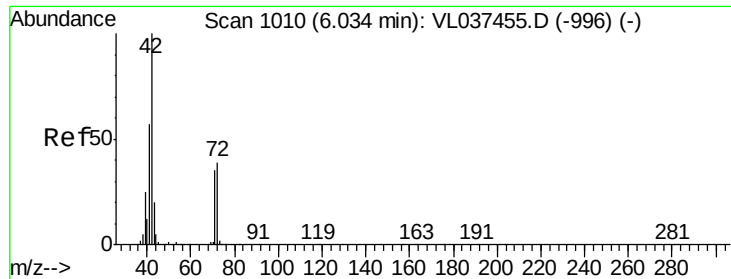
MMDadoda
 8/19/2021 5:57:58 PM



#40
 1,4-Dioxane
 Concen: 0.539 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.05 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion:	88	Resp:	17727
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





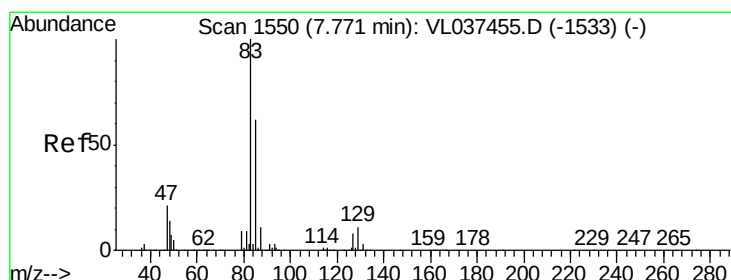
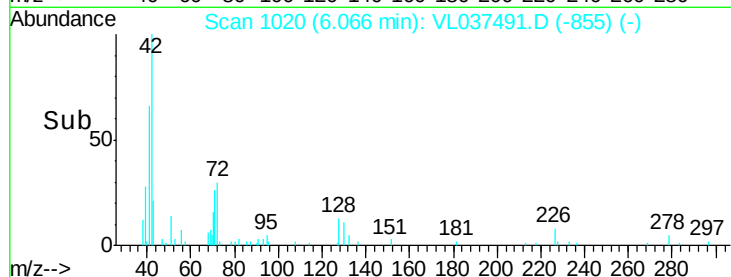
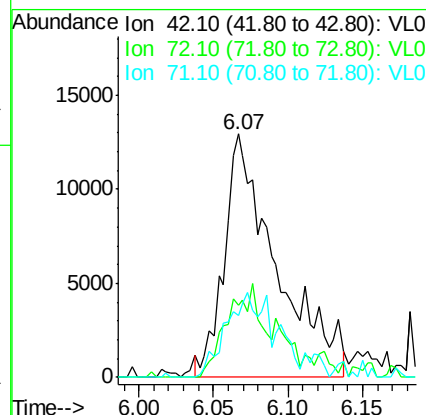
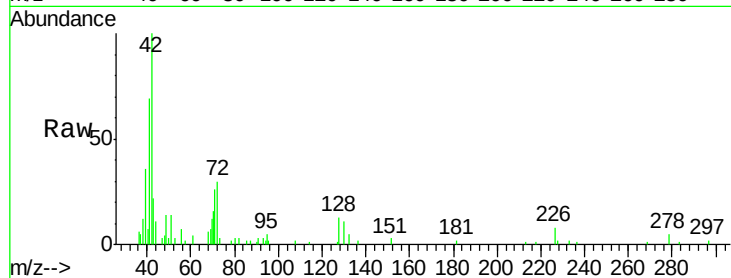
#41
Tetrahydrofuran
Concen: 0.384 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.03 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

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

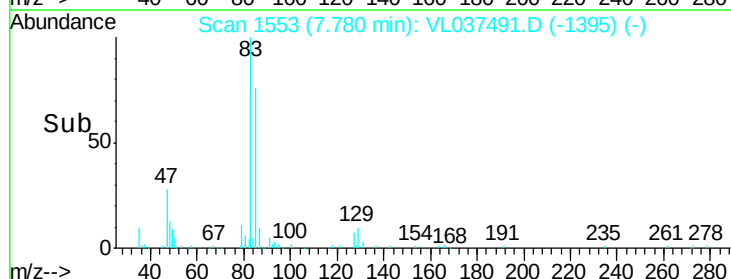
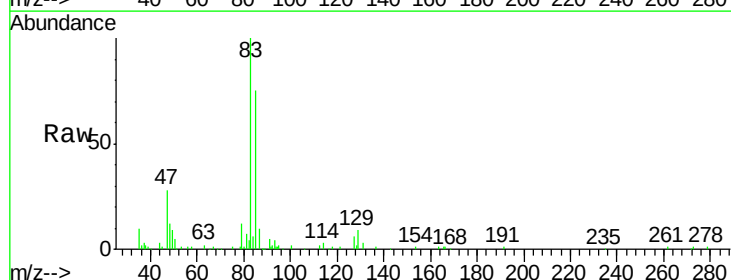
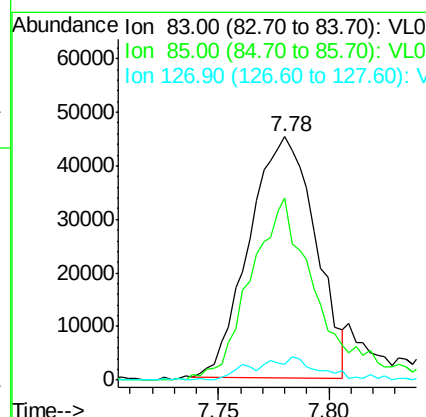
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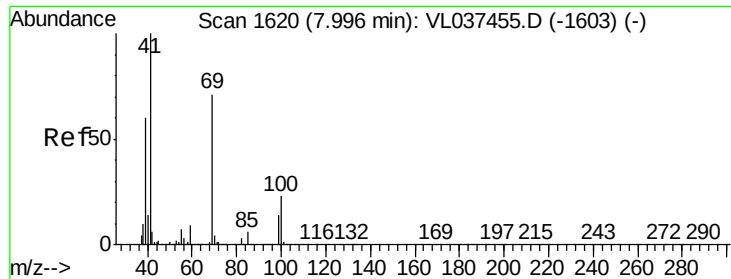
MMDadoda
8/19/2021 5:57:58 PM



#42
Bromodichloromethane
Concen: 0.372 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.2	49.5	74.3
127	6.5	6.3	9.5





#43

Methyl Methacrylate

Concen: 0.366 ppbv m

RT: 8.02 min Scan# 1627

Delta R.T. 0.02 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

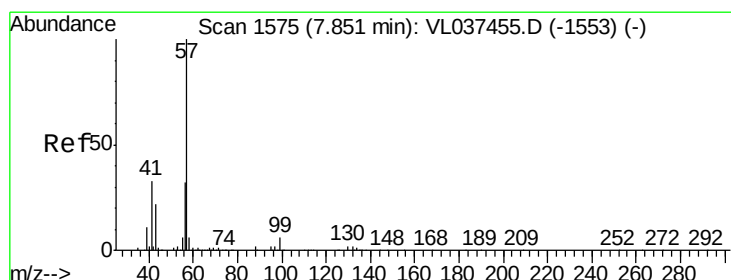
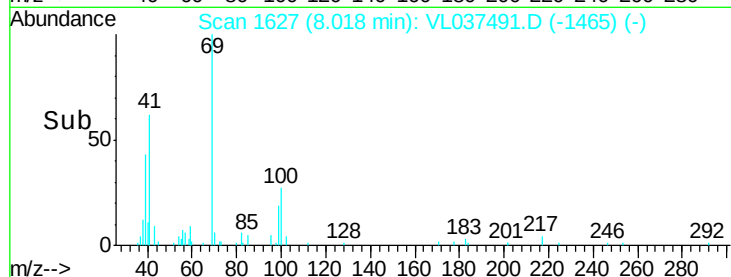
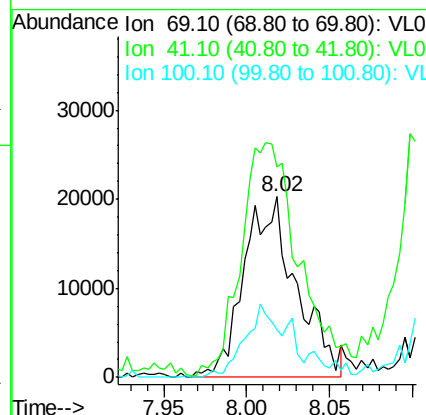
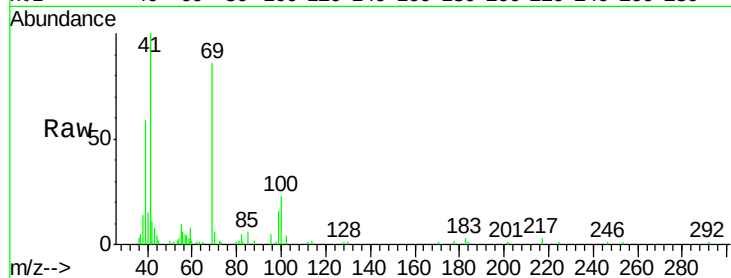
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		44632		
41	144.0	118.6	178.0		
100	38.0	27.4	41.0		

Manual Integrations
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MMDadoda
8/19/2021 5:57:58 PM



#44

2,2,4-Trimethylpentane

Concen: 0.434 ppbv m

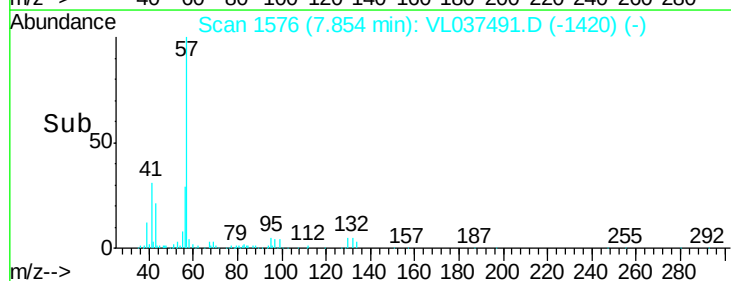
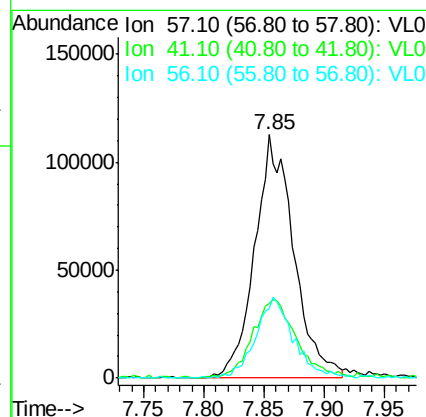
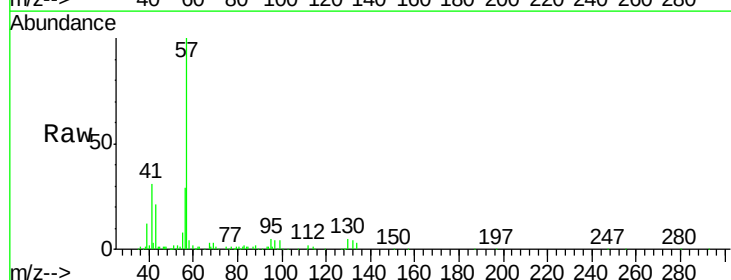
RT: 7.85 min Scan# 1576

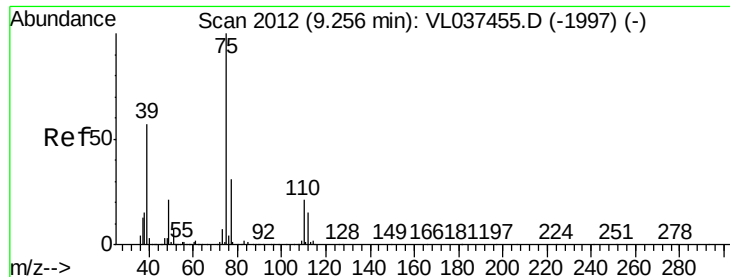
Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		255355		
41	36.5	26.2	39.4		
56	32.4	25.4	38.2		





#45

t-1,3-Dichloropropene

Concen: 0.316 ppbv m

RT: 9.27 min Scan# 2017

Delta R.T. 0.02 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 75 Resp: 29026

Ion Ratio Lower Upper

75 100

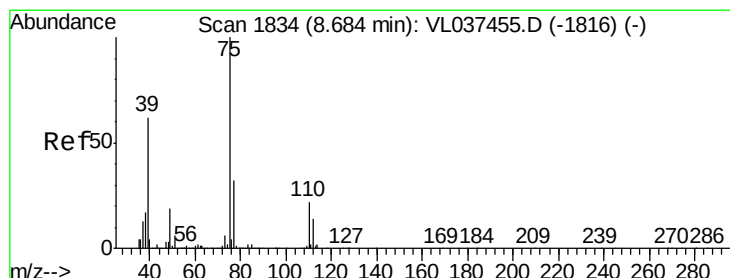
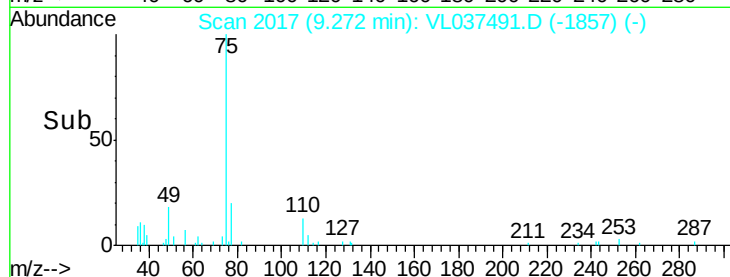
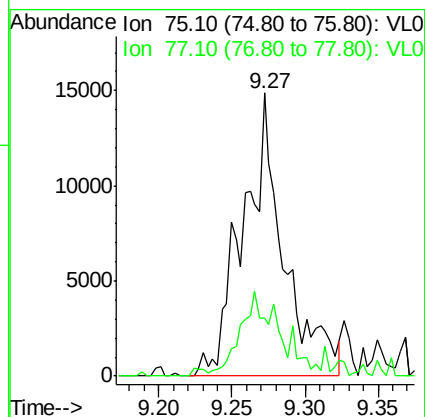
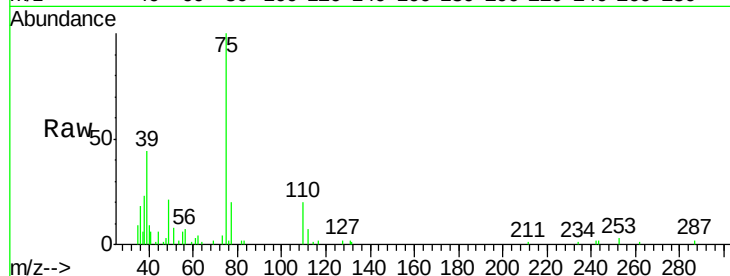
77 20.5 24.5 36.7#

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#46

cis-1,3-Dichloropropene

Concen: 0.323 ppbv m

RT: 8.69 min Scan# 1837

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

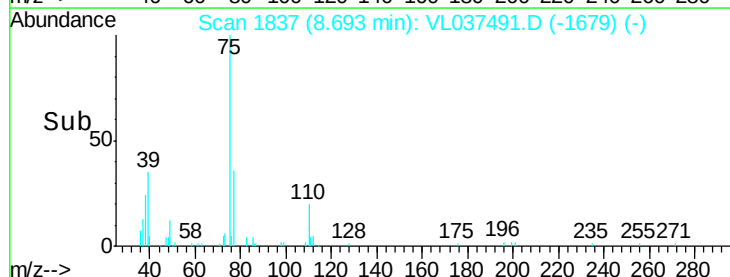
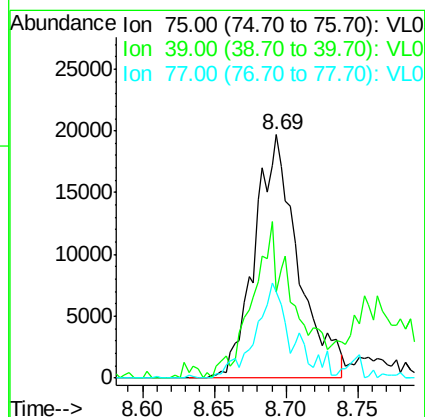
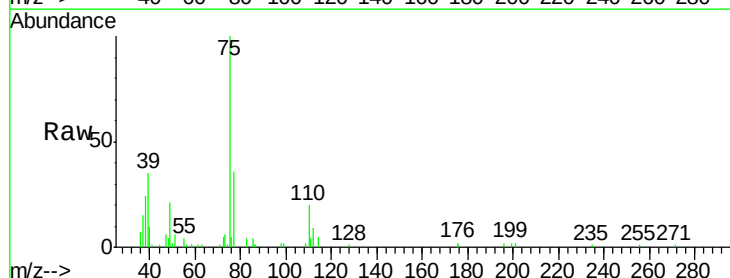
Tgt Ion: 75 Resp: 41359

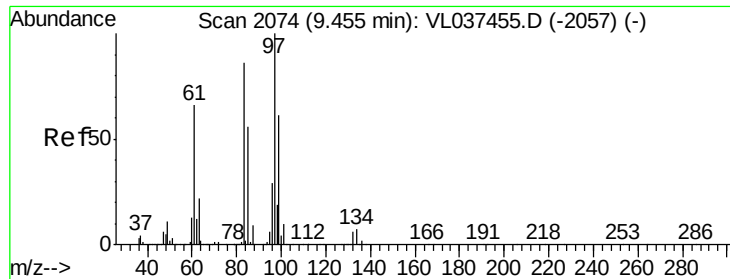
Ion Ratio Lower Upper

75 100

39 35.4 49.7 74.5#

77 35.7 25.4 38.0





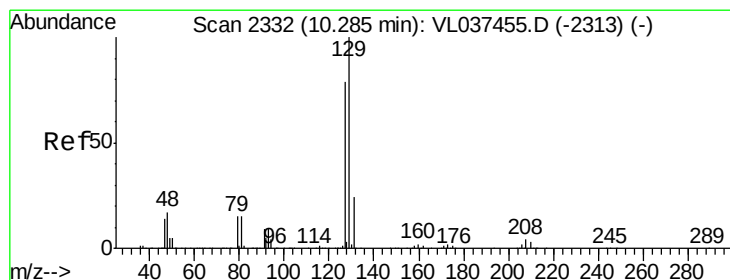
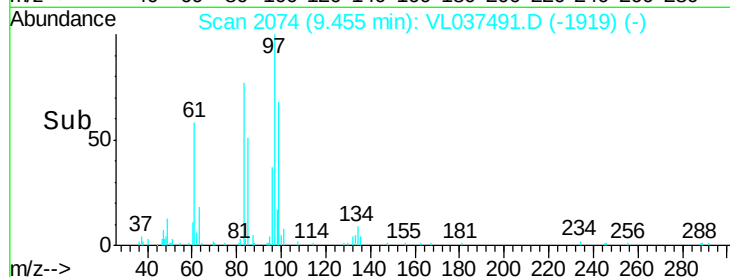
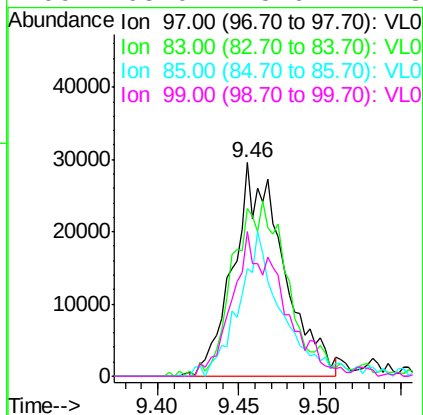
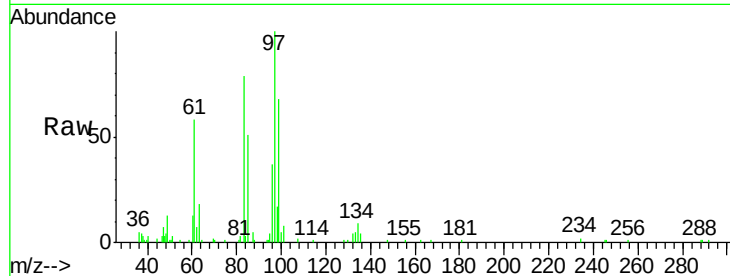
#47
 1,1,2-Trichloroethane
 Concen: 0.438 ppbv m
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	97	Resp	63536
Ion	Ratio	Lower	Upper
97	100		
83	78.8	68.7	103.1
85	50.5	44.7	67.1
99	68.0	48.6	72.8

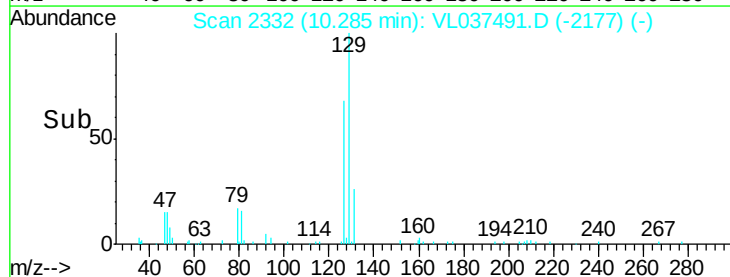
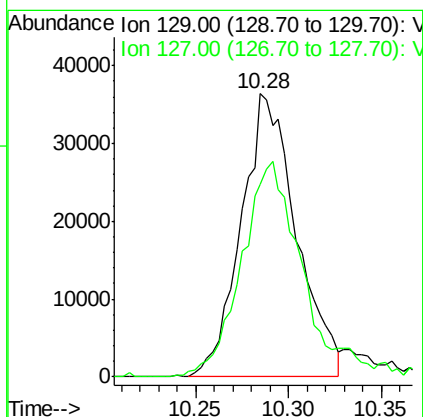
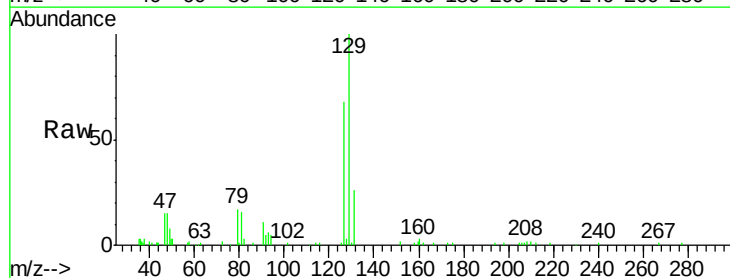
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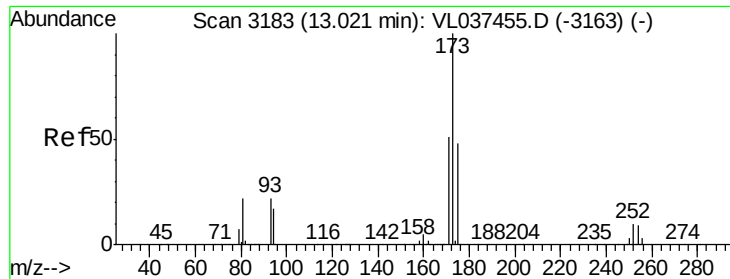
MMDadoda
 8/19/2021 5:57:58 PM



#48
 Dibromochloromethane
 Concen: 0.361 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion	129	Resp	75433
Ion	Ratio	Lower	Upper
129	100		
127	85.9	40.0	120.0





#49

Bromoform

Concen: 0.316 ppbv m

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

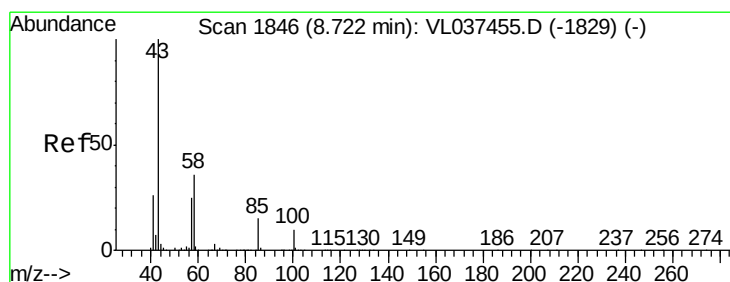
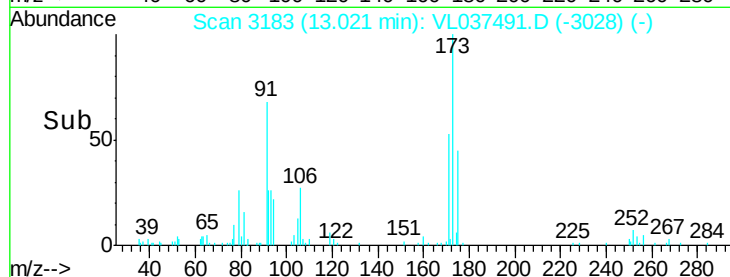
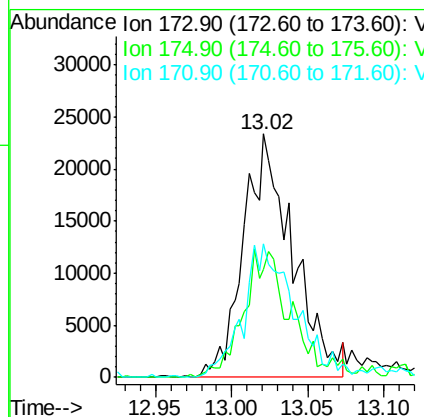
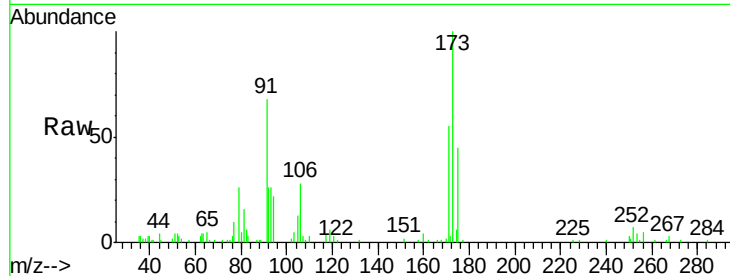
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	173	Resp:	52032
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: 0.366 ppbv m

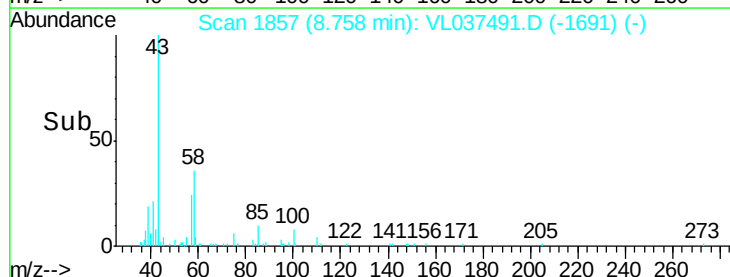
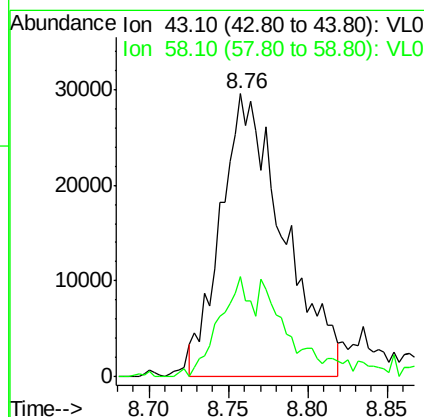
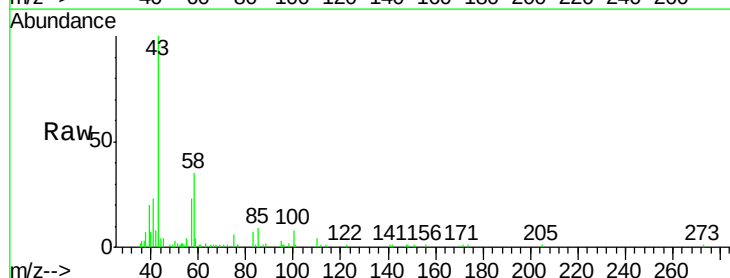
RT: 8.76 min Scan# 1857

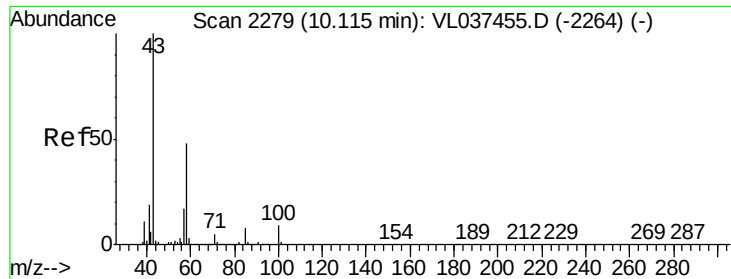
Delta R.T. 0.04 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion:	43	Resp:	81020
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.9	44.9#





#51

2-Hexanone

Concen: 0.344 ppbv m

RT: 10.16 min Scan# 2292

Delta R.T. 0.04 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

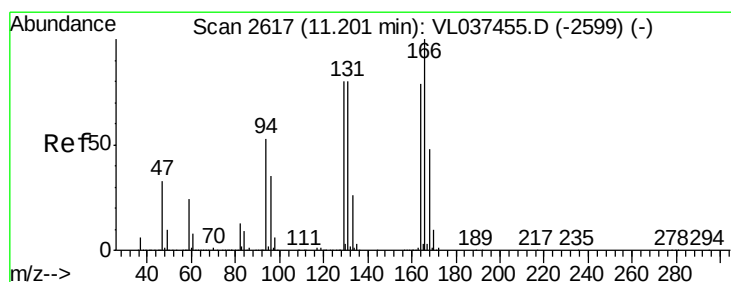
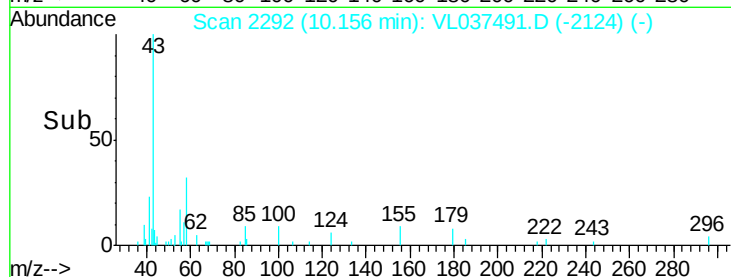
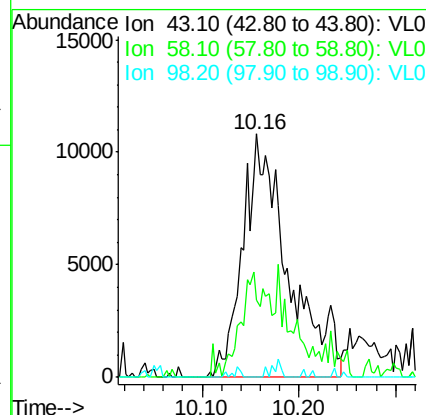
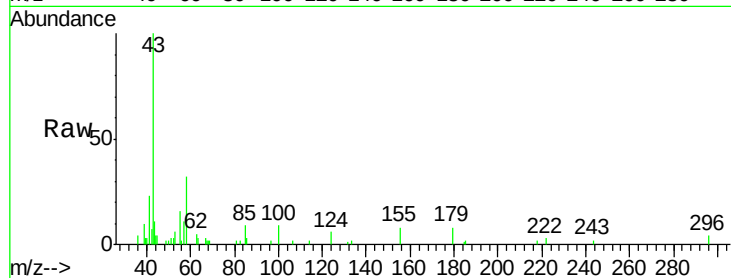
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	43	Resp:	35013
Ion Ratio	Lower	Upper	
43	100		
58	0.0	41.0	61.6#
98	0.0	0.3	0.5#

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#52

Tetrachloroethene

Concen: 0.430 ppbv m

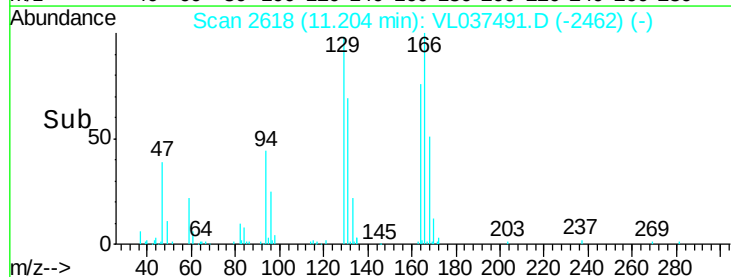
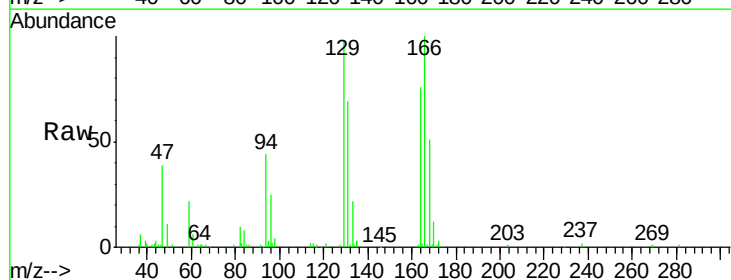
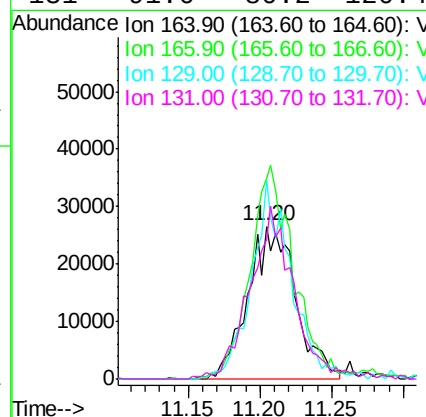
RT: 11.20 min Scan# 2618

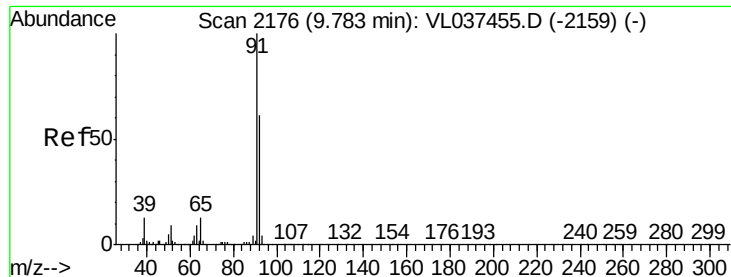
Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion:	164	Resp:	61567
Ion Ratio	Lower	Upper	
164	100		
166	132.0	100.7	151.1
129	129.8	80.9	121.3#
131	91.6	80.2	120.4





#53

Toluene

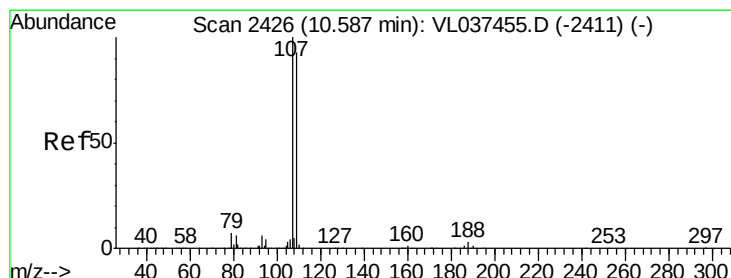
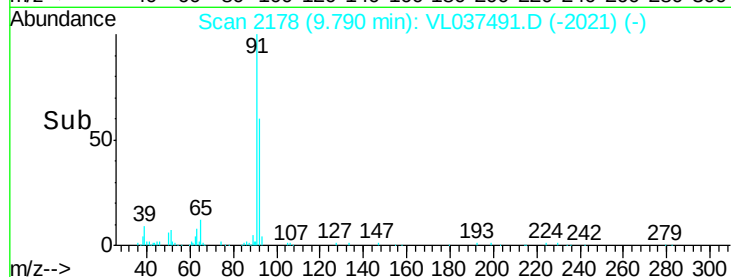
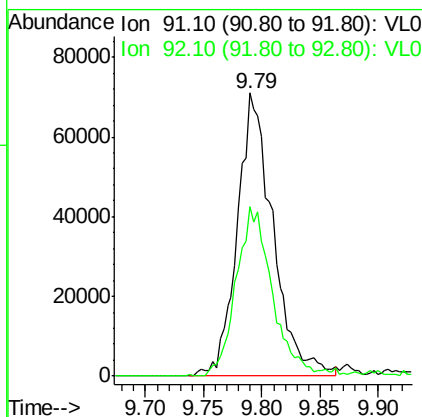
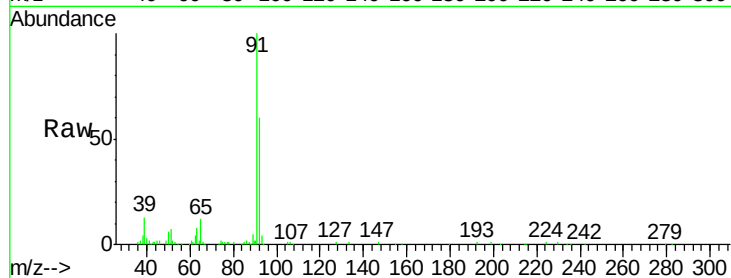
Concen: 0.378 ppbv m
RT: 9.79 min Scan# 2178
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.7	48.8	73.2

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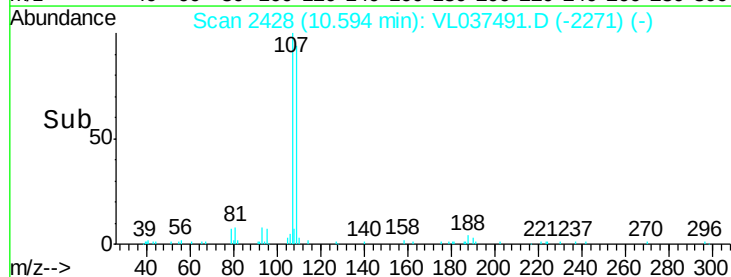
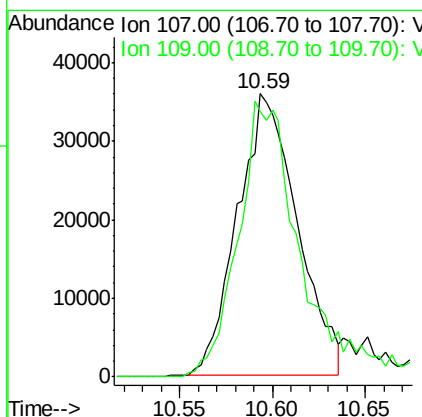
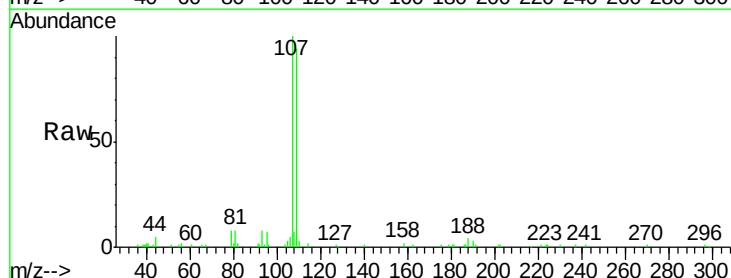


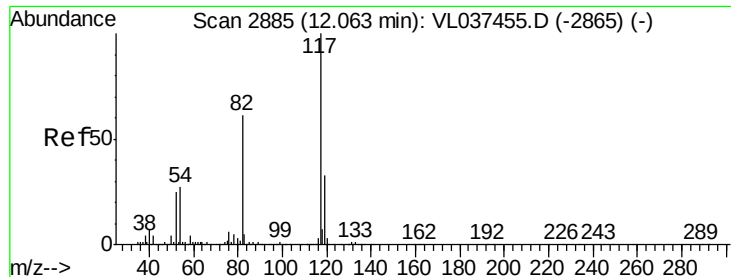
#54

1,2-Dibromoethane

Concen: 0.399 ppbv
RT: 10.59 min Scan# 2428
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	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: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:117 Resp: 3526680

Ion Ratio Lower Upper

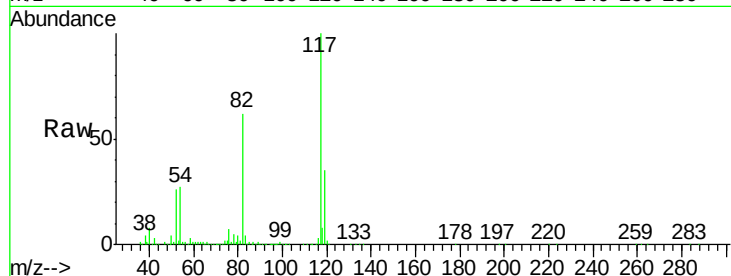
117 100

82 64.4 52.9 79.3

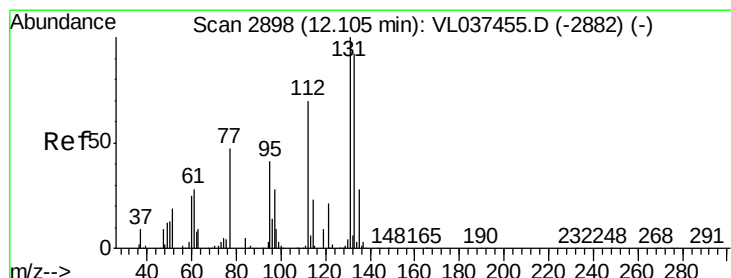
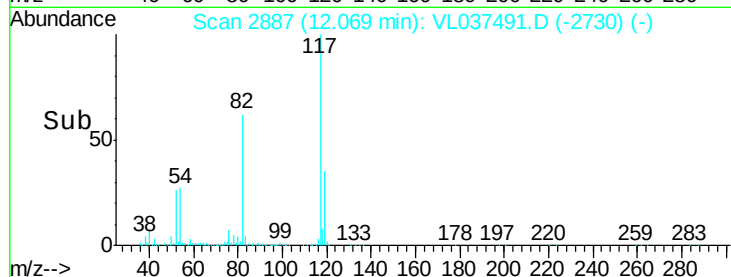
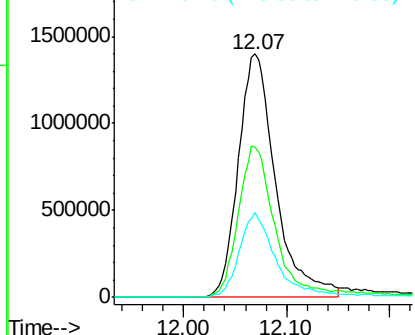
119 35.6 24.8 37.2

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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: 0.476 ppbv m

RT: 12.10 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

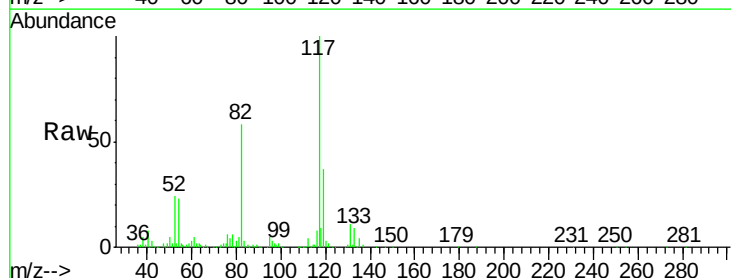
Tgt Ion:131 Resp: 69941

Ion Ratio Lower Upper

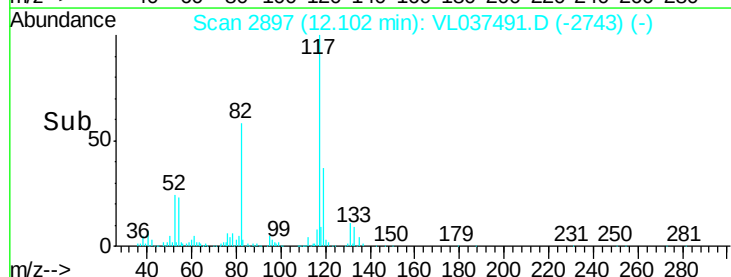
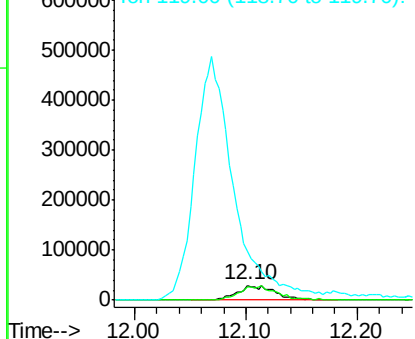
131 100

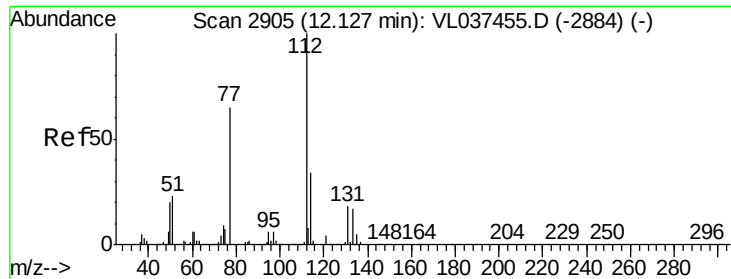
133 96.1 78.7 118.1

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





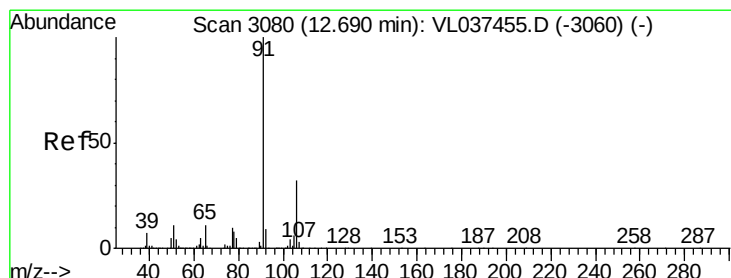
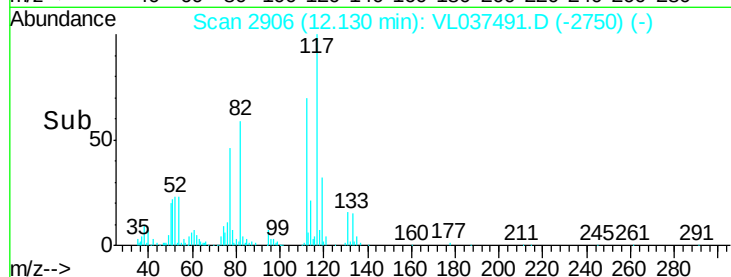
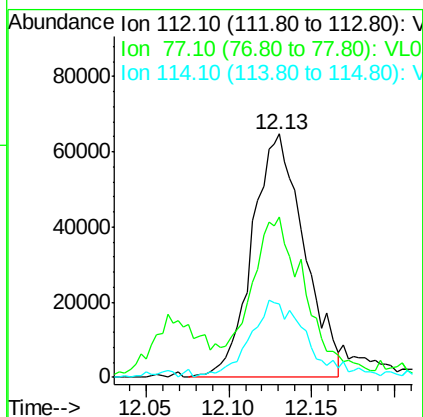
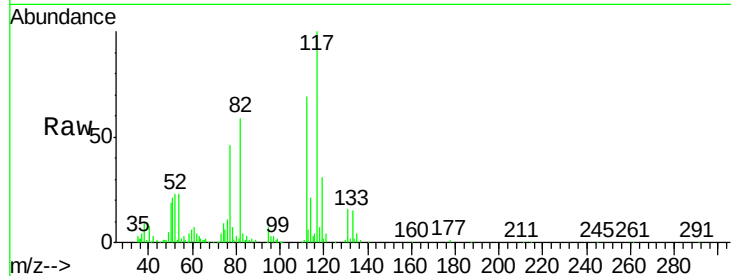
#57
Chlorobenzene
Concen: 0.482 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
112	100		
77	56.6	51.6	77.4
114	27.0	30.7	37.5#

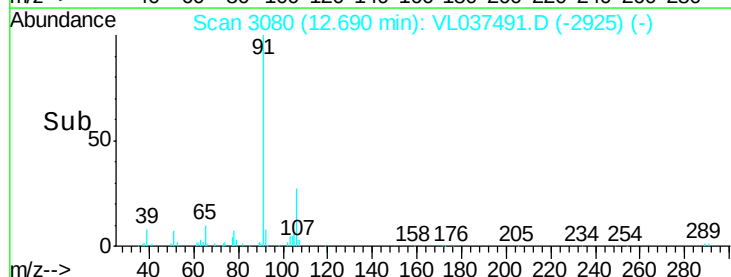
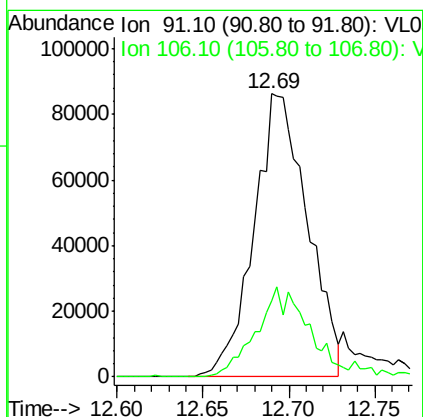
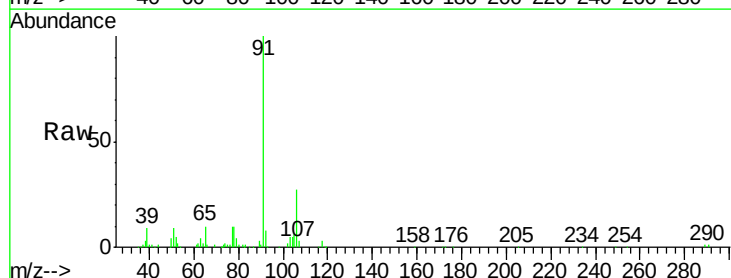
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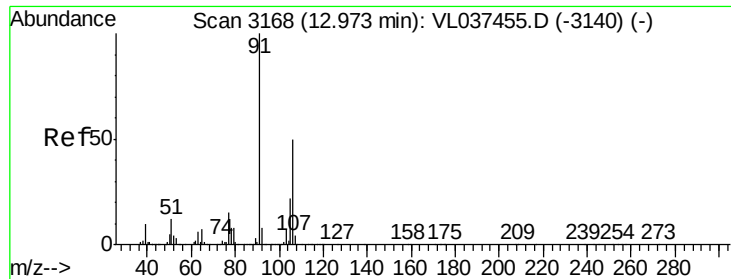
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#58
Ethyl Benzene
Concen: 0.381 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.00 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.0	25.7	38.5





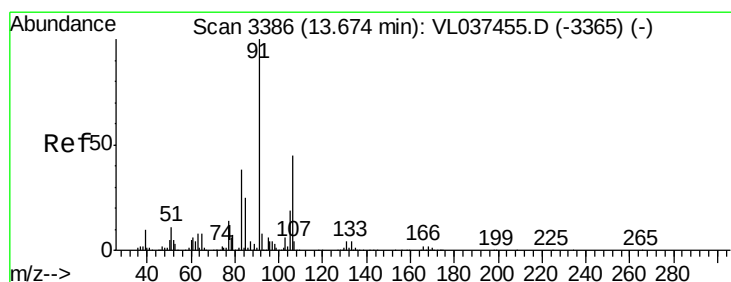
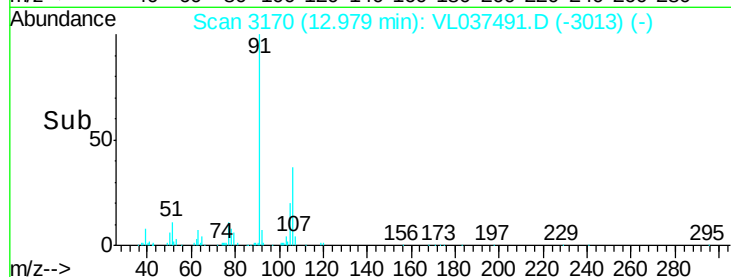
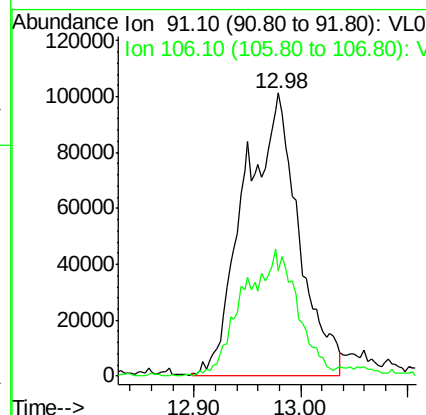
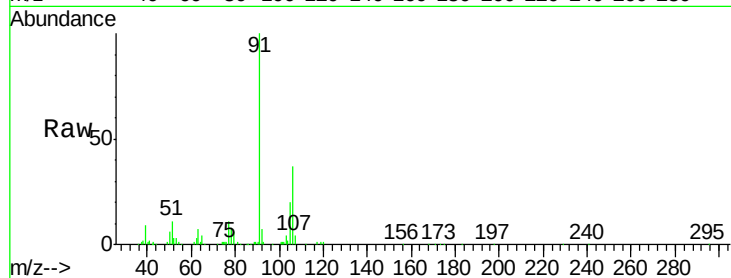
#59
m/p-Xylene
Concen: 0.849 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion: 91 Resp: 360265
Ion Ratio Lower Upper
91 100
106 45.2 36.9 55.3

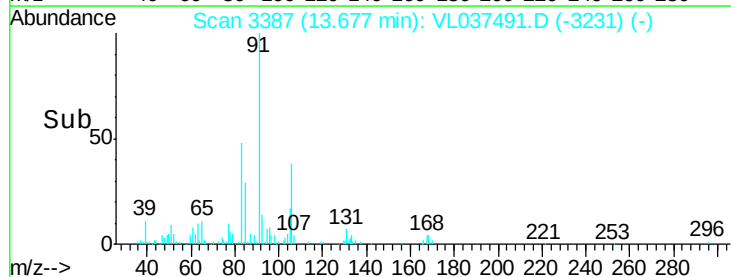
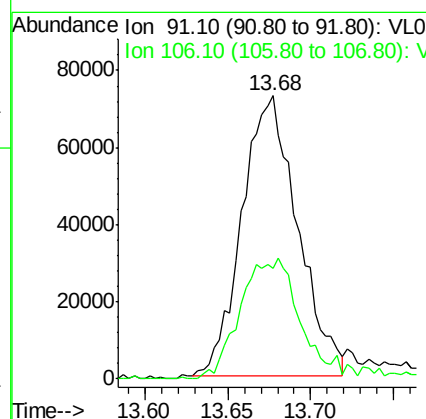
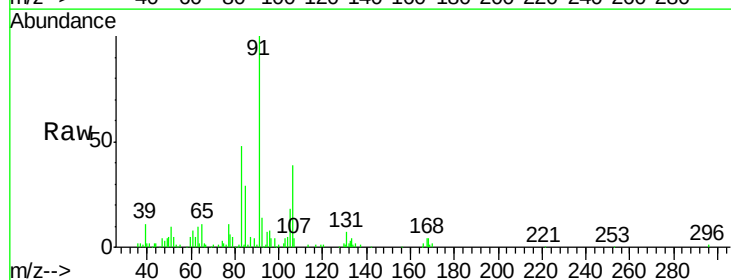
Manual Integrations
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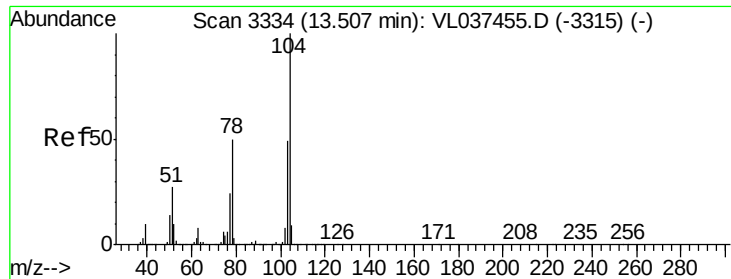
MMDadoda
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#60
o-Xylene
Concen: 0.431 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion: 91 Resp: 170543
Ion Ratio Lower Upper
91 100
106 49.3 23.7 71.1





#61

Stvrene

Concen: 0.291 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

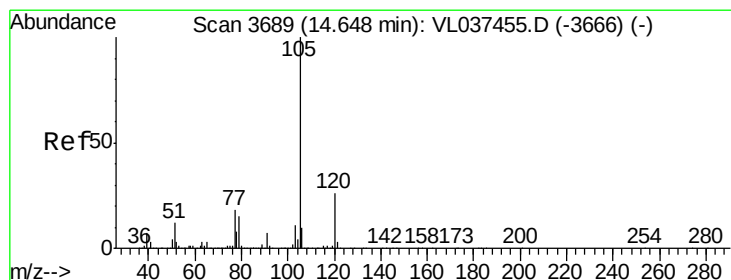
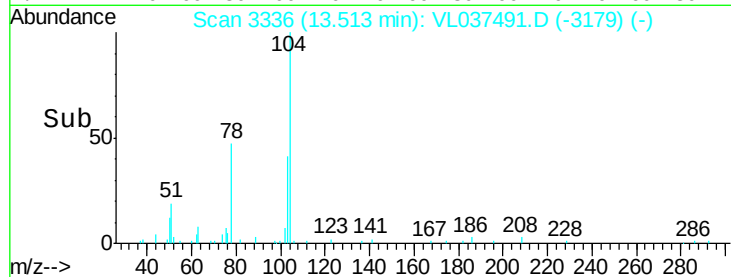
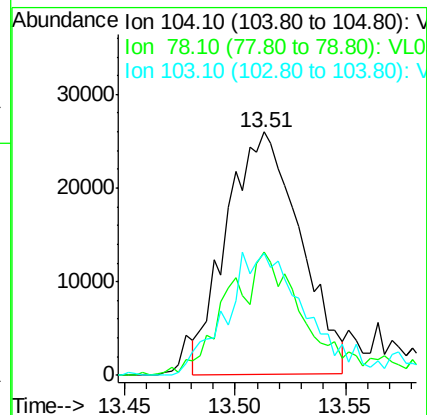
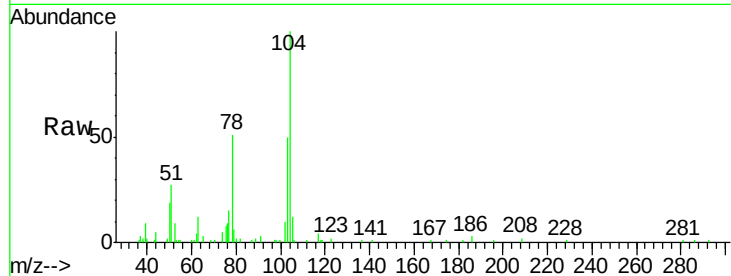
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	104	Resp:	59884
Ion Ratio	Lower	Upper	
104	100		
78	56.4	41.3	61.9
103	58.7	39.4	59.0

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#62

Isopropylbenzene

Concen: 0.460 ppbv

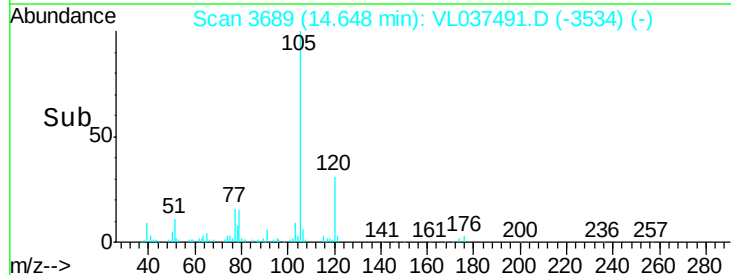
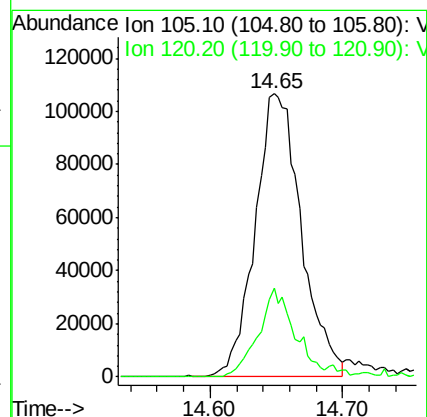
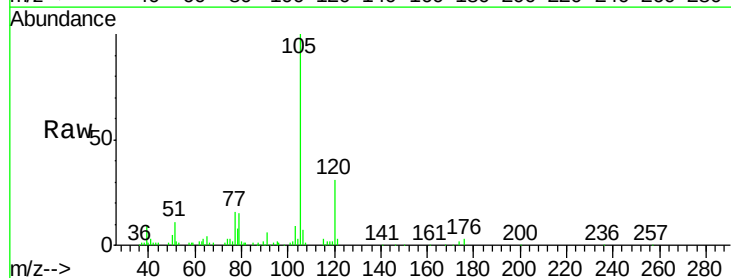
RT: 14.65 min Scan# 3689

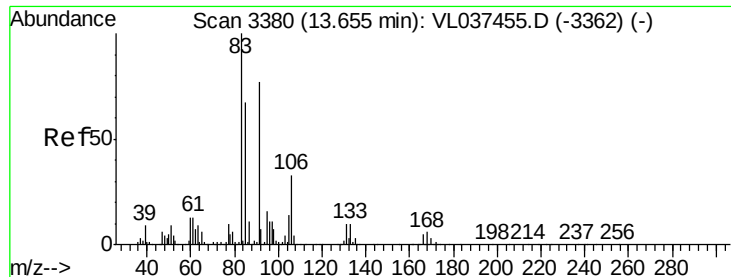
Delta R.T. -0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion:	105	Resp:	257330
Ion Ratio	Lower	Upper	
105	100		
120	26.6	21.5	32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.493 ppbv m

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

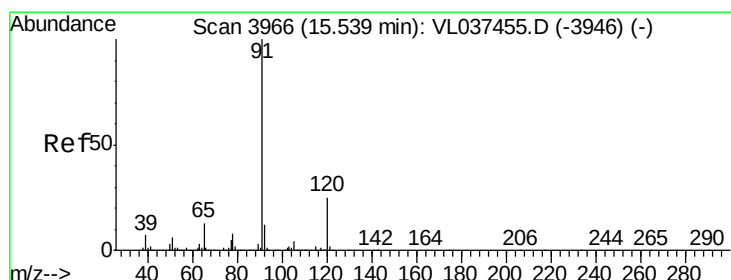
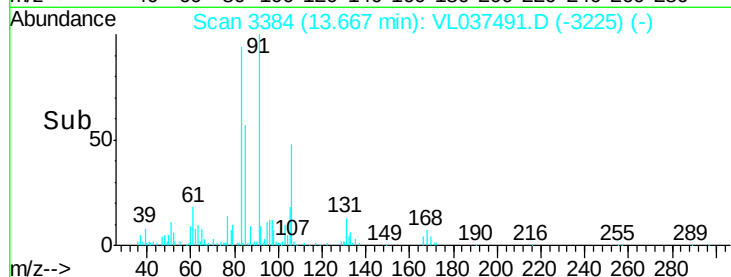
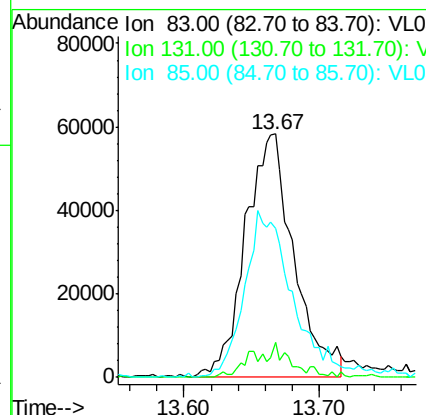
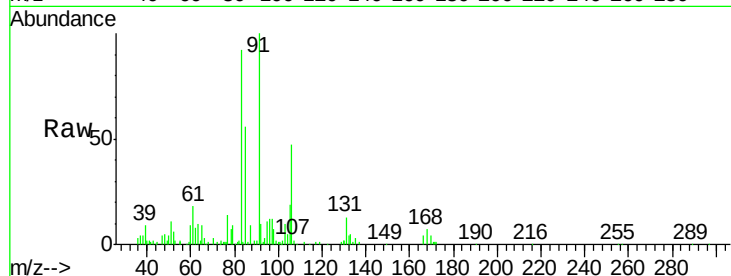
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion	83	Resp	145124
Ion Ratio	100	Lower	Upper
83	100		
131	11.2	5.0	15.0
85	69.7	33.8	101.3

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#64

n-propylbenzene

Concen: 0.441 ppbv m

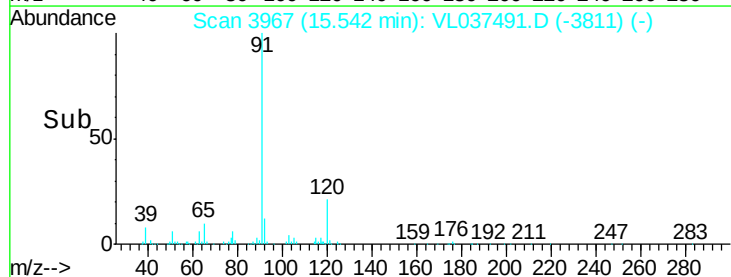
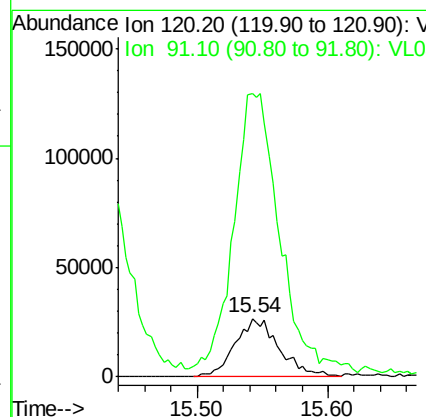
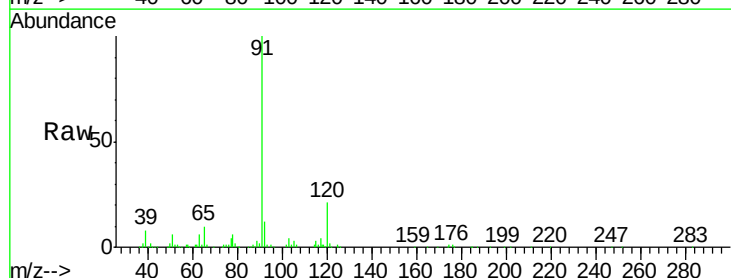
RT: 15.54 min Scan# 3967

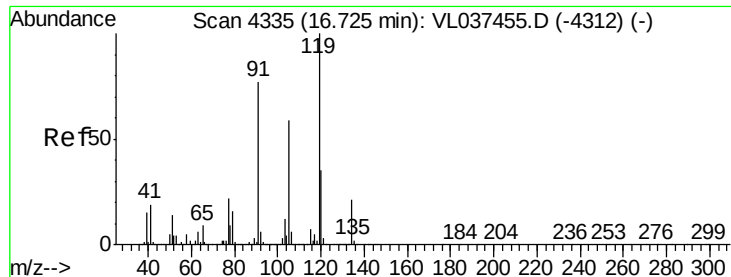
Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion	120	Resp	62693
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
120	100		
91	282.0	373.8	560.6#





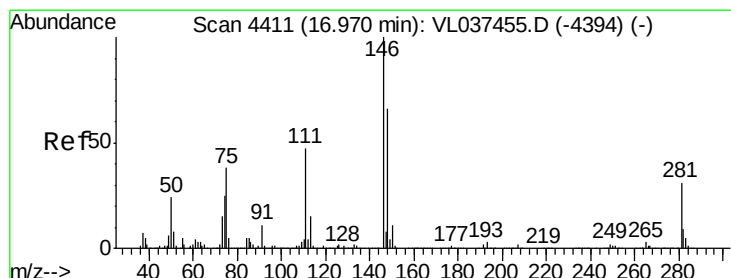
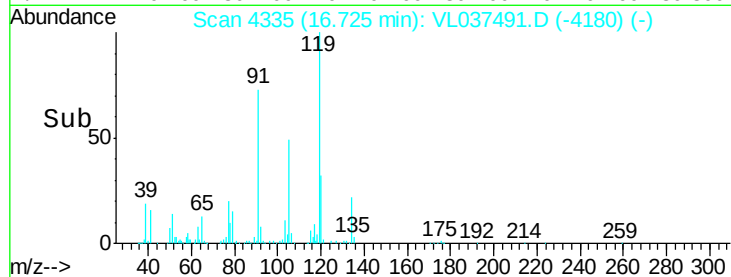
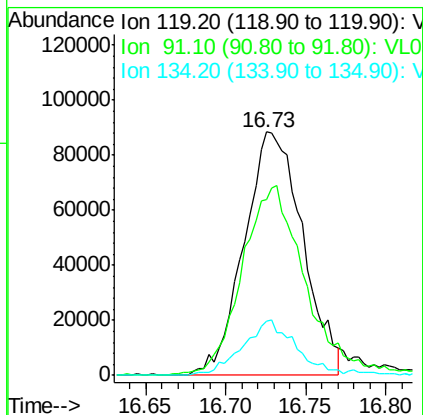
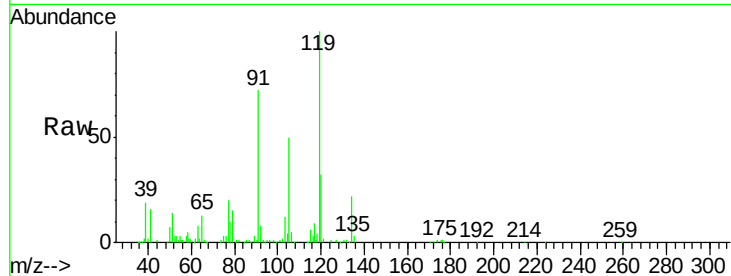
#65
 tert-Butylbenzene
 Concen: 0.438 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
119	100	223156		
91	85.6	62.9	94.3	
134	21.7	16.4	24.6	

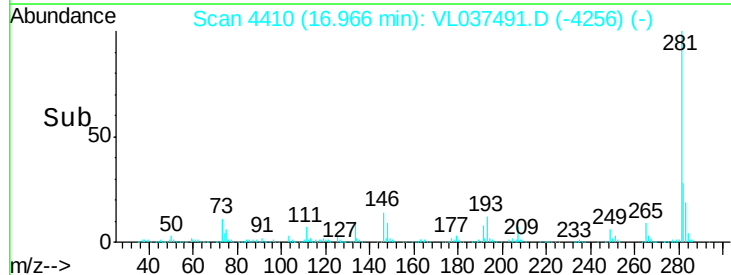
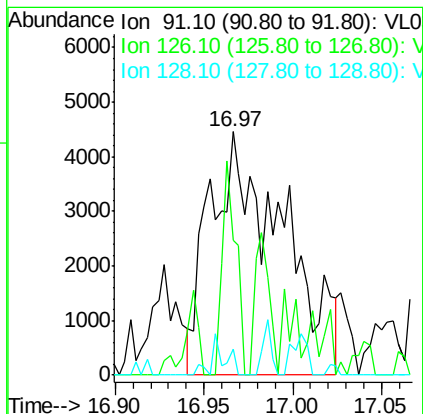
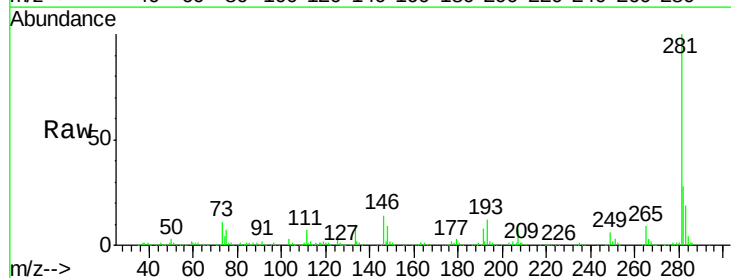
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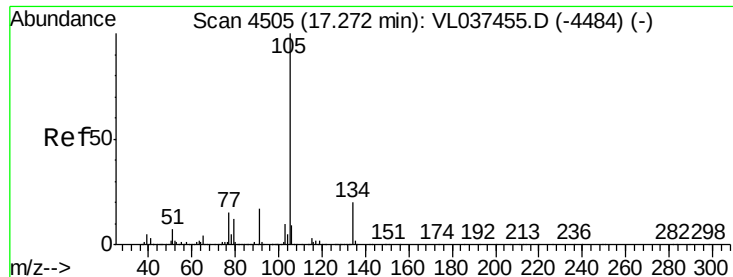
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#66
 Benzyl Chloride
 Concen: 0.555 ppbv m
 RT: 16.97 min Scan# 4410
 Delta R.T. -0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	12786		
126	0.0	15.9	23.9#	
128	1.8	5.4	8.0#	





#67

sec-Butylbenzene

Concen: 0.443 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 105 Resp: 315238

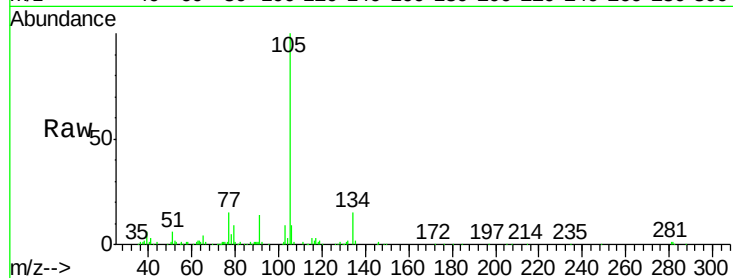
Ion Ratio Lower Upper

105 100

134 18.1 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

17.28

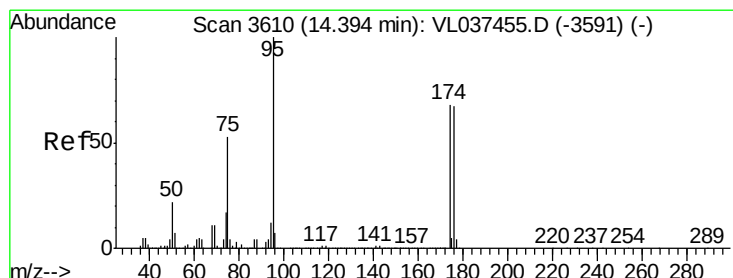
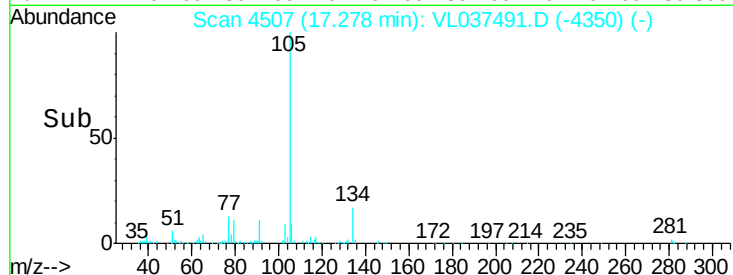
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.180 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

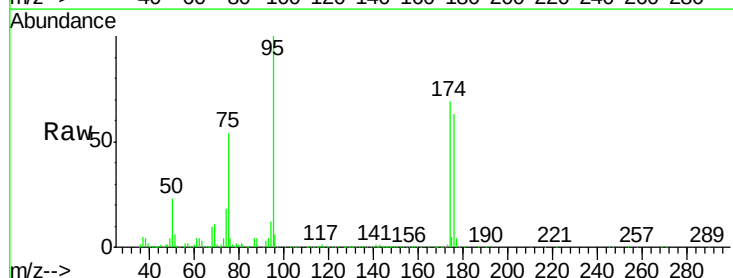
Tgt Ion: 95 Resp: 2550665

Ion Ratio Lower Upper

95 100

174 74.9 59.6 89.4

175 5.7 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

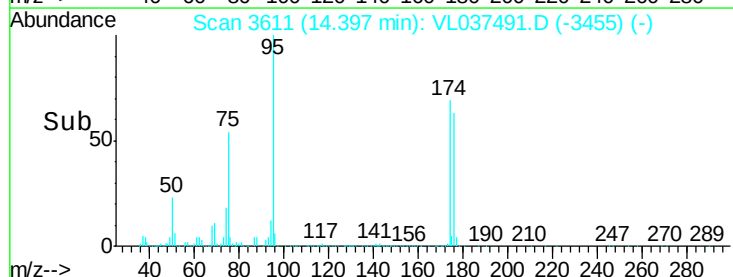
14.40

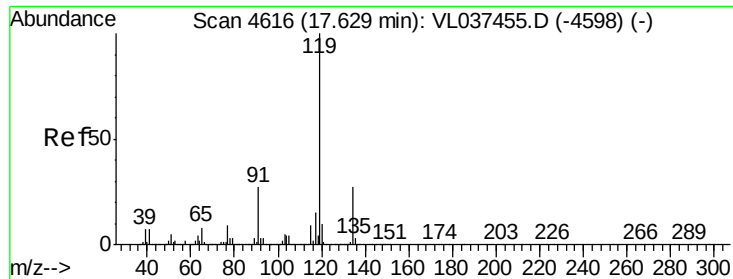
1000000

500000

0

Time-->





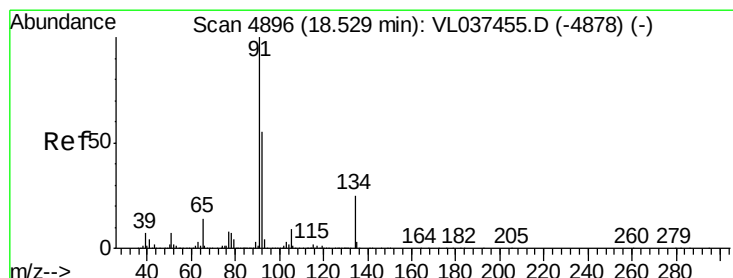
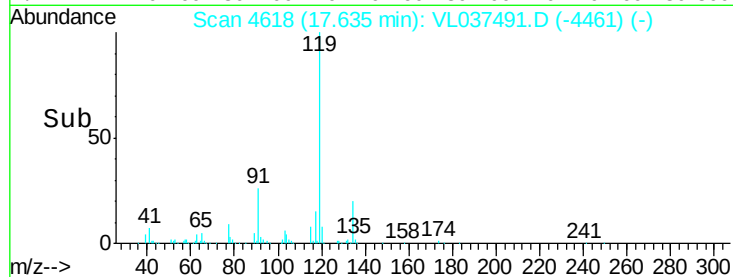
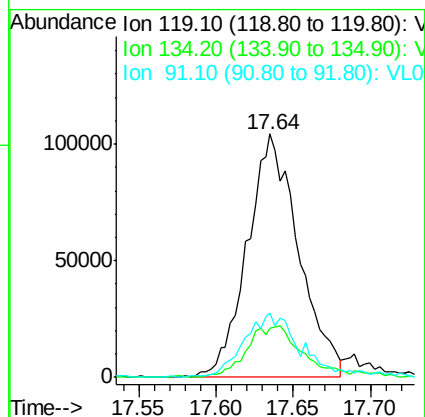
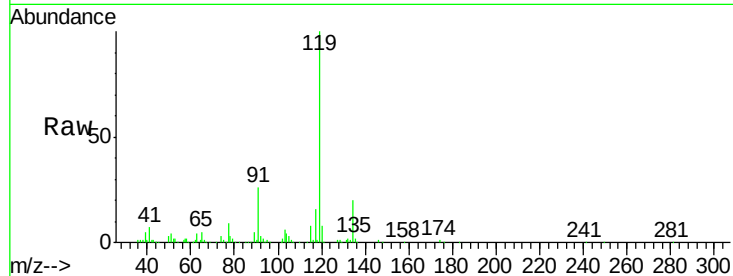
#69
 p-Isopropyltoluene
 Concen: 0.413 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion:	119	Resp:	239642
Ion Ratio	Lower	Upper	
119	100		
134	24.2	21.1	31.7
91	30.0	22.4	33.6

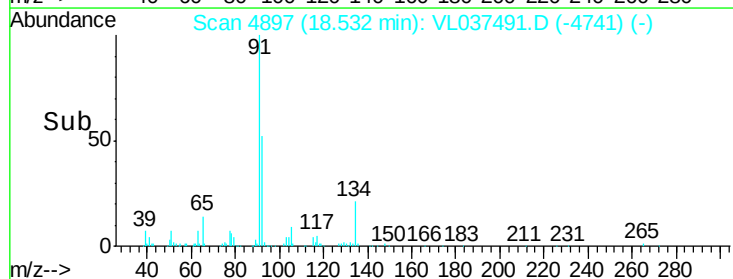
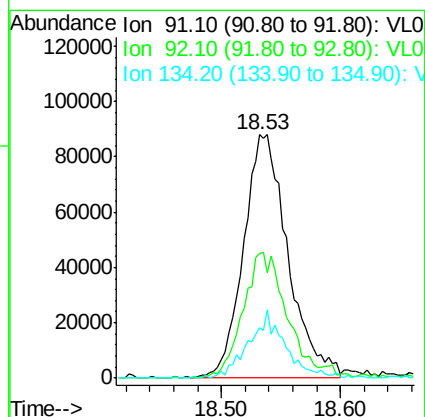
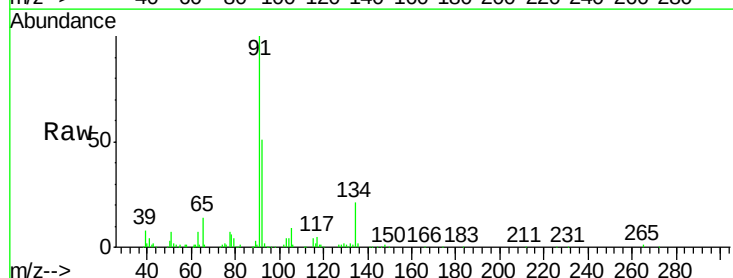
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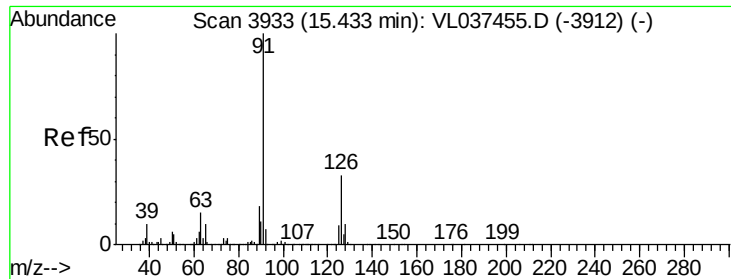
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#70
 n-Butylbenzene
 Concen: 0.412 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion:	91	Resp:	227933
Ion Ratio	Lower	Upper	
91	100		
92	52.8	44.0	66.0
134	22.9	19.5	29.3





#71

2-Chlorotoluene

Concen: 0.426 ppbv m

RT: 15.44 min Scan# 3935

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 91 Resp: 174722

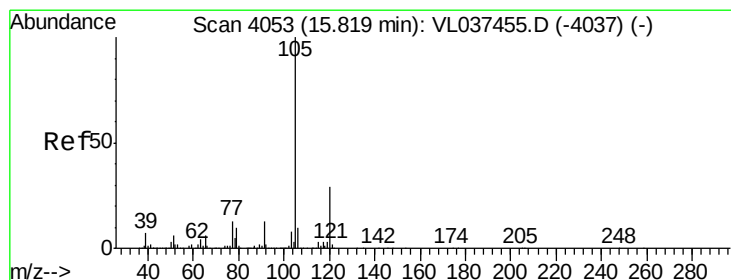
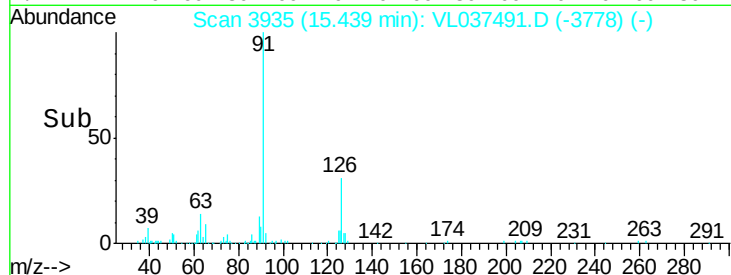
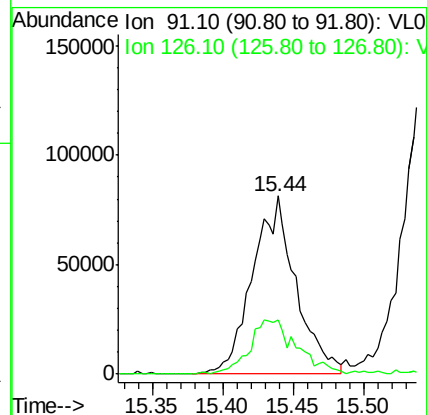
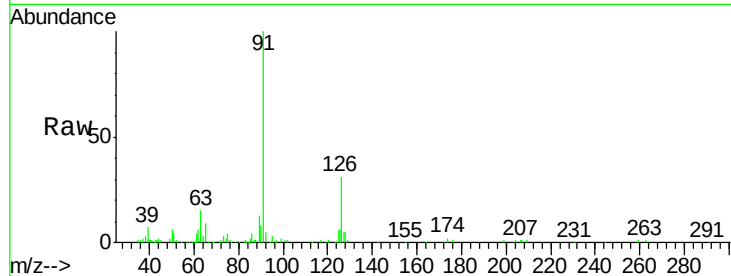
Ion Ratio Lower Upper

91 100

126 35.0 13.6 54.4

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#72

4-Ethyltoluene

Concen: 0.399 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion: 105 Resp: 187922

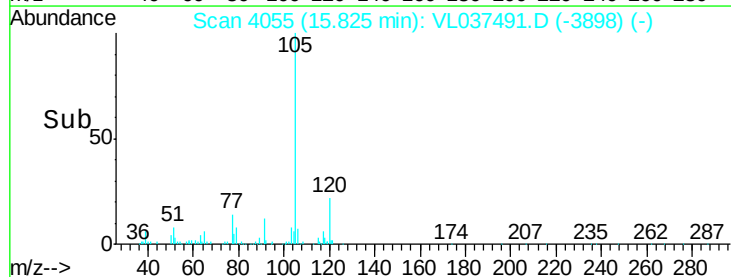
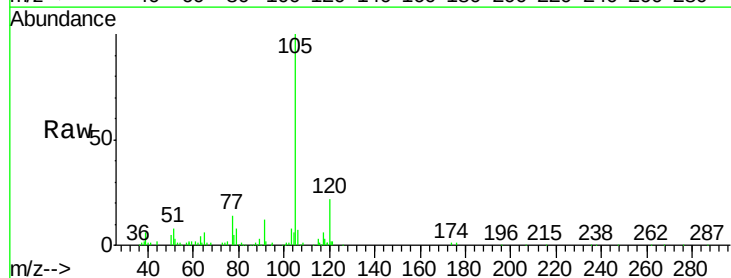
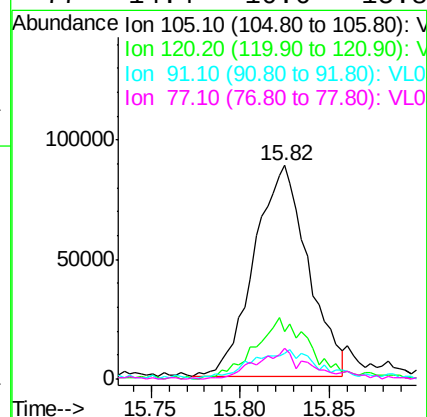
Ion Ratio Lower Upper

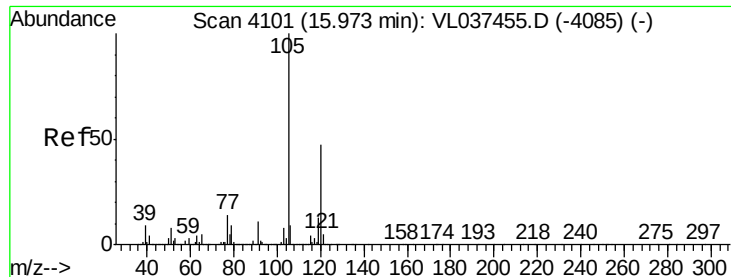
105 100

120 29.7 24.7 37.1

91 15.2 9.8 14.8#

77 14.4 10.6 15.8





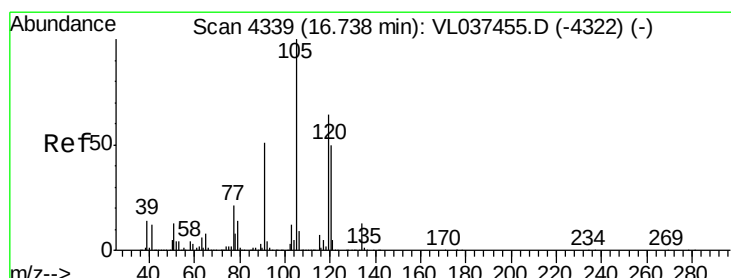
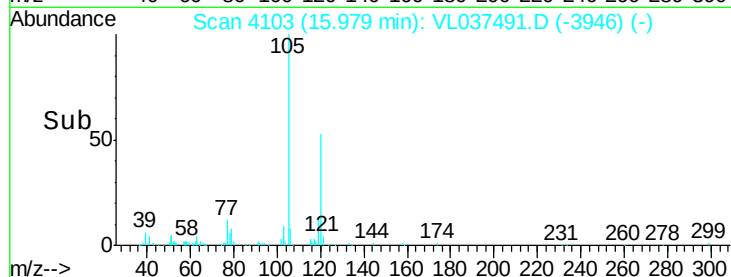
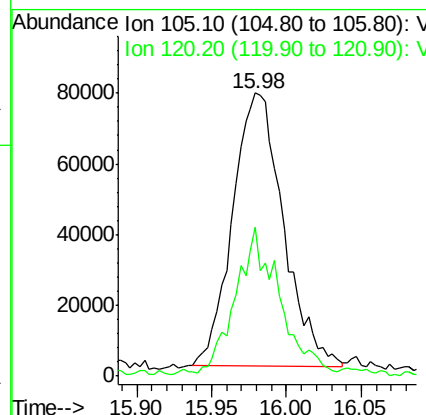
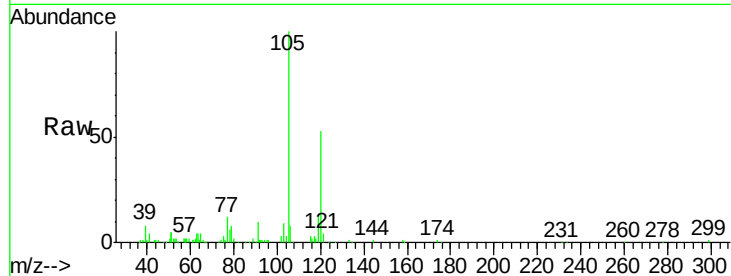
#73
 1,3,5-Trimethylbenzene
 Concen: 0.414 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
105	100		
120	52.7	37.6	56.4

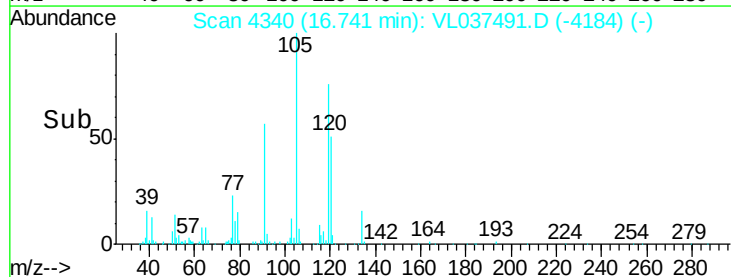
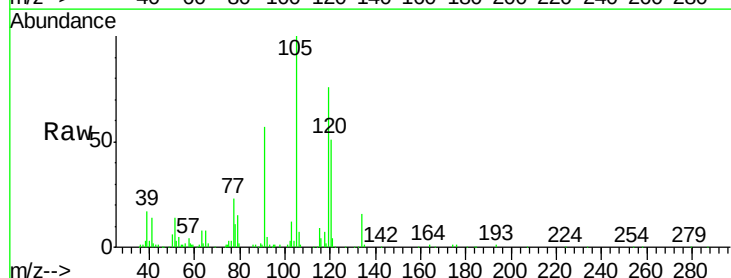
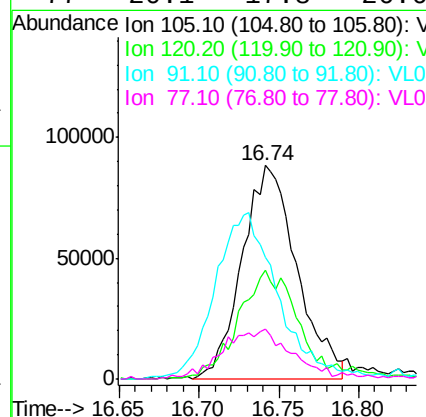
Manual Integrations
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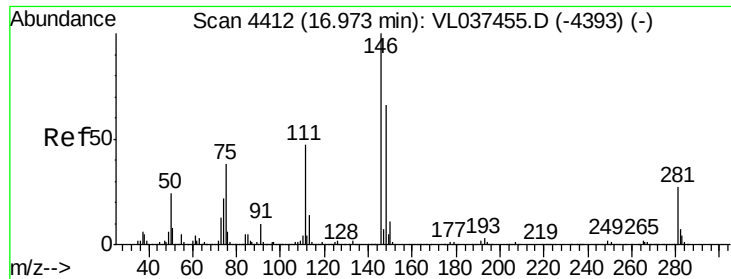
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 8/19/2021 5:57:58 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.446 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. 0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	40.4	60.6
91	53.3	44.6	67.0
77	20.1	17.8	26.6





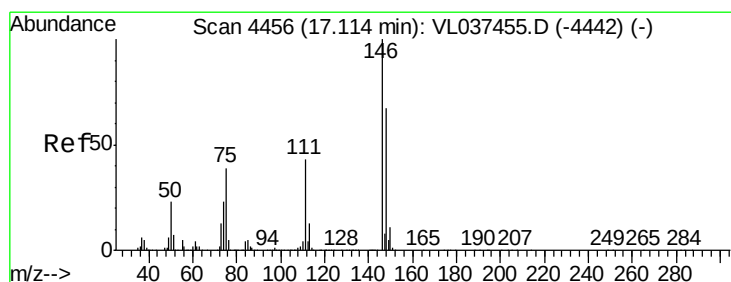
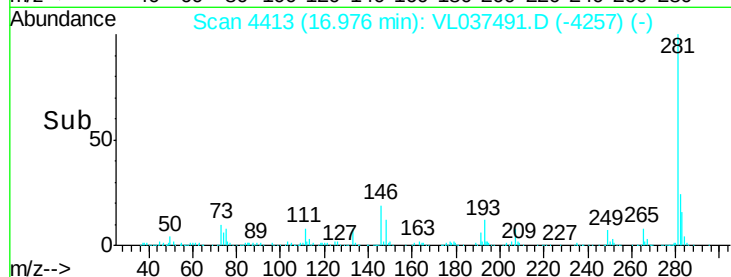
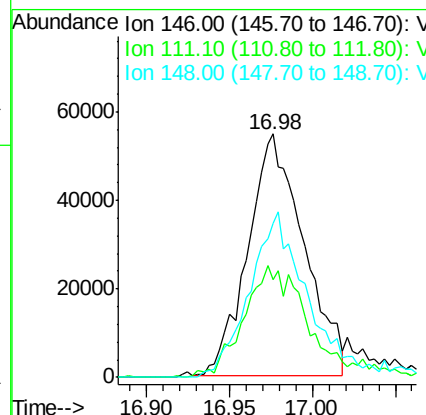
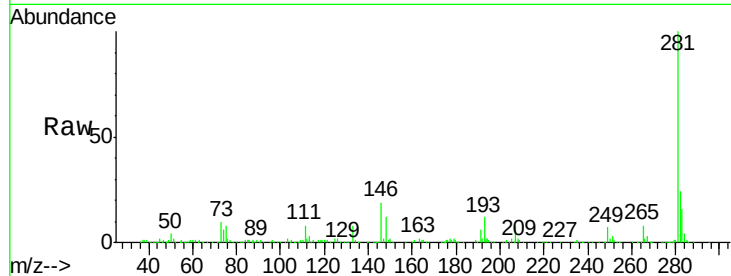
#75
 1,3-Dichlorobenzene
 Concen: 0.460 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.6	23.4	70.0
148	69.5	33.1	99.5

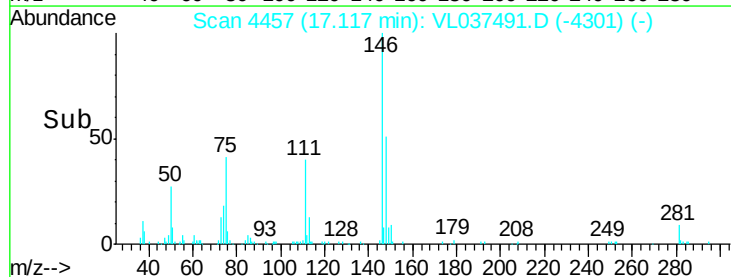
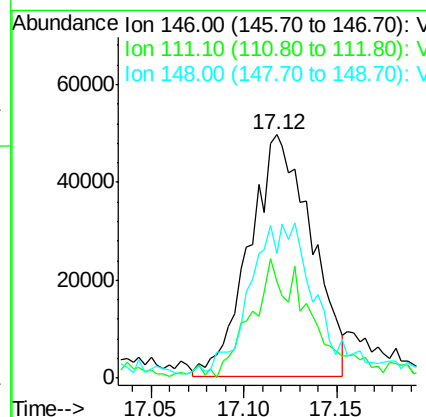
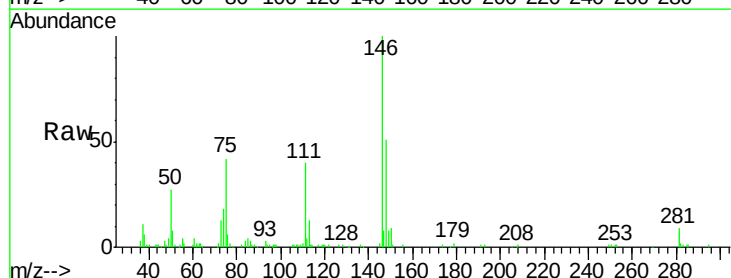
Manual Integrations
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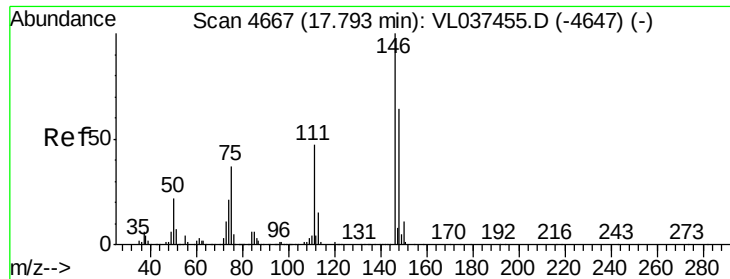
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#76
 1,4-Dichlorobenzene
 Concen: 0.406 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.1	22.1	66.5
148	75.5	32.4	97.0





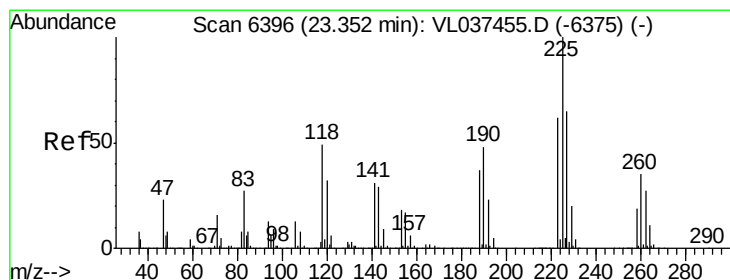
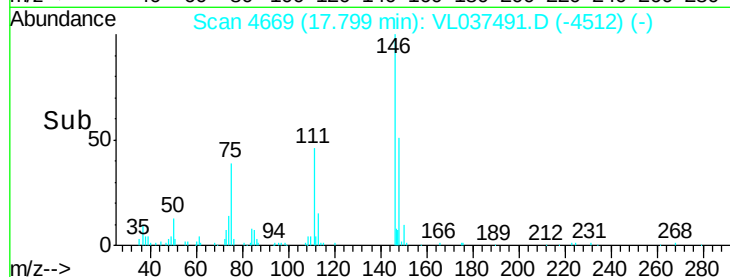
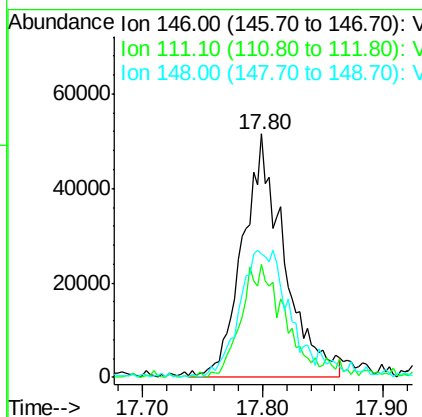
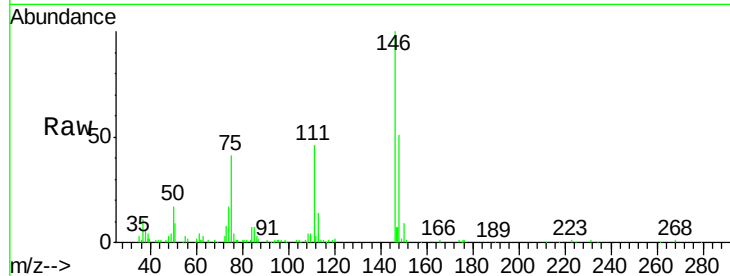
#77
 1,2-Dichlorobenzene
 Concen: 0.452 ppbv m
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.5	23.4	70.3
148	66.8	32.5	97.5

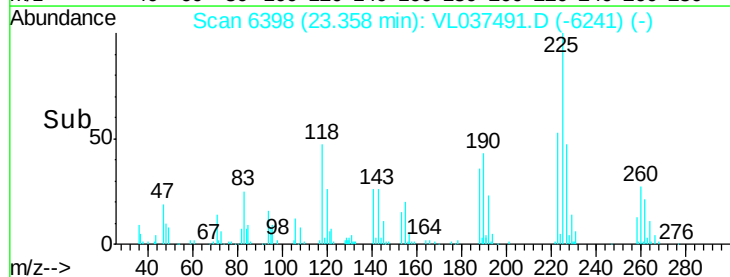
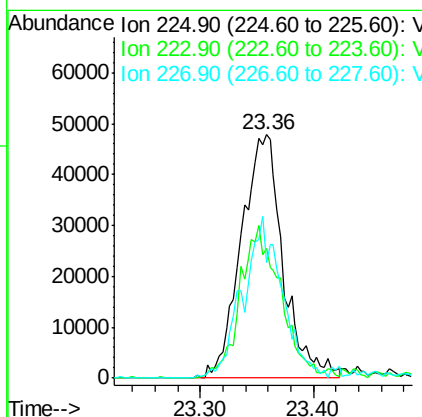
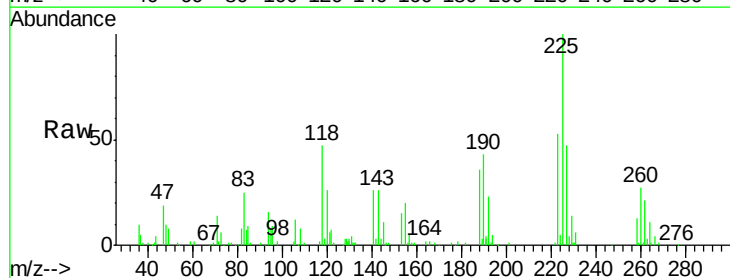
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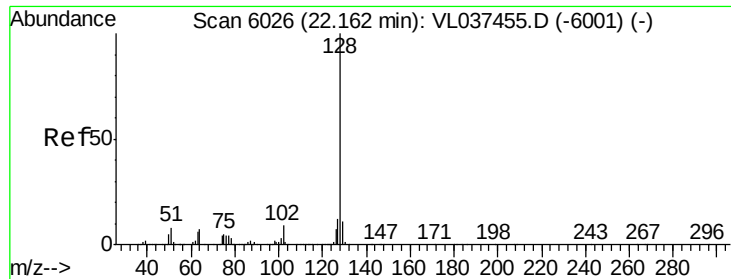
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.537 ppbv m
 RT: 23.36 min Scan# 6398
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	51.4	77.0
227	61.8	52.9	79.3





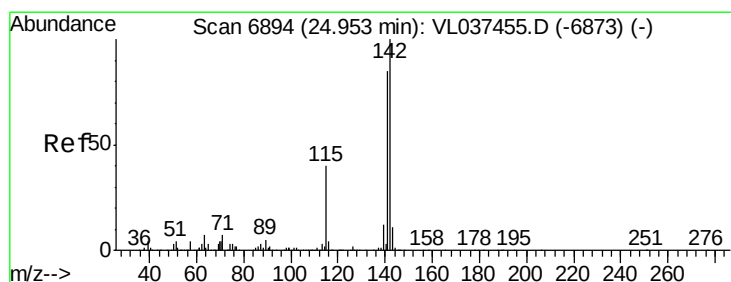
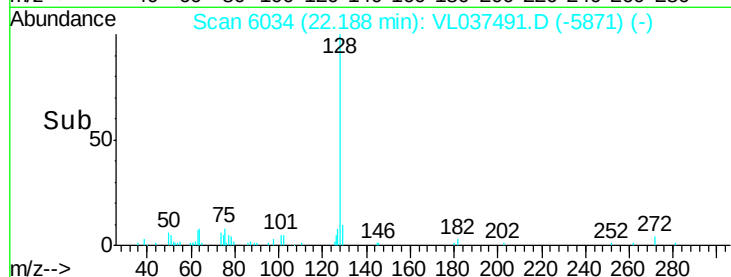
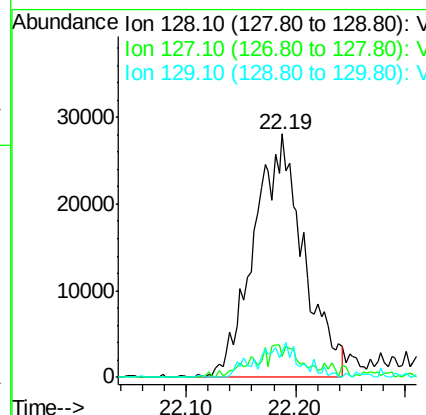
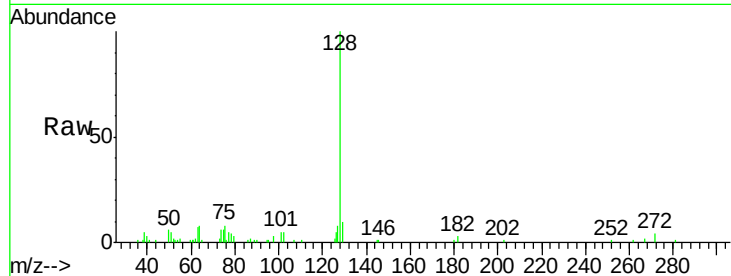
#79
Naphthalene
Concen: 0.283 ppbv m
RT: 22.19 min Scan# 6034
Delta R.T. 0.03 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.3	9.4	14.2#
129	10.2	8.8	13.2

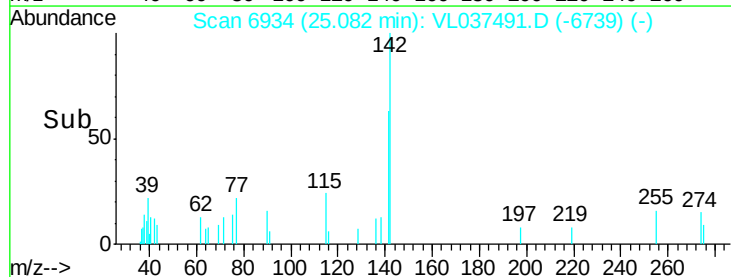
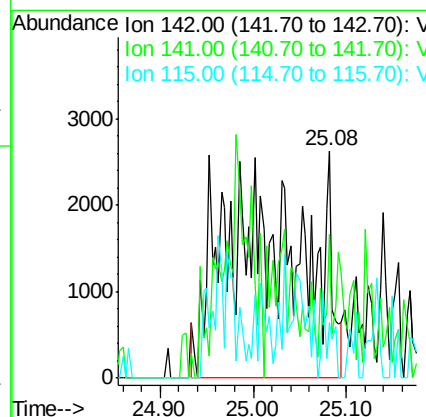
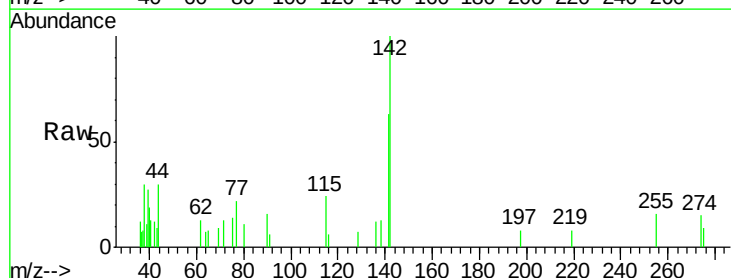
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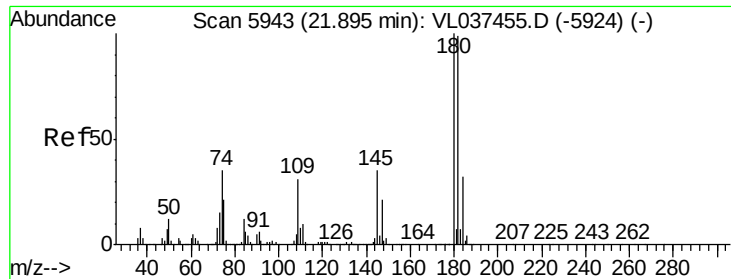
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#80
Naphthalene, 2-methyl-
Concen: 0.152 ppbv m
RT: 25.08 min Scan# 6934
Delta R.T. 0.13 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	0.0	64.7	97.1#
115	10.5	28.4	42.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.381 ppbv m
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	79.6	119.4
184	0.0	25.4	38.2

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