

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037060.D
 Acq On : 25 May 2021 14:37
 Operator : SY/AP
 Sample : M2262-15 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:34 AM

Quant Time: May 26 11:54:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1093051	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3298035	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2858503	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2027151	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	31506	0.170	ppbv	94
3) Chlorodifluoromethane	2.97	51	30737	0.153	ppbv	92
4) Chloromethane	3.12	50	9073	0.133	ppbv #	77
5) Vinyl Chloride	3.25	62	7045m	0.095	ppbv	
6) Bromomethane	3.45	94	4633m	0.118	ppbv	
7) Chloroethane	3.54	64	2420	0.100	ppbv #	63
8) Dichlorotetrafluoroethane	3.17	85	25116	0.144	ppbv	91
9) Propene	2.99	41	15091m	0.210	ppbv	
10) Heptane	8.12	43	16884m	0.094	ppbv	
11) Trichlorofluoromethane	3.93	101	23505m	0.137	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.47	101	17287m	0.141	ppbv	
14) Bromoethene	3.73	108	5587m	0.104	ppbv	
15) Acetone	3.86	43	33767m	0.302	ppbv	
16) 1,3-Butadiene	3.30	39	10800m	0.155	ppbv	
17) tert-Butyl alcohol	4.33	59	14145m	0.138	ppbv	
18) 1,1-Dichloroethene	4.27	96	8387m	0.148	ppbv	
20) Methylene Chloride	4.33	84	32061m	0.534	ppbv	
21) Allyl Chloride	4.39	41	10197m	0.121	ppbv	
22) trans-1,2-Dichloroethene	4.86	96	9413m	0.174	ppbv	
24) 1,1-Dichloroethane	4.99	63	15304m	0.120	ppbv	
25) Ethyl Acetate	5.68	43	36807m	0.137	ppbv	
26) Hexane	5.67	57	24368m	0.177	ppbv	
27) Carbon Disulfide	4.54	76	10998m	0.079	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	15098m	0.092	ppbv	
29) Chloroform	5.73	83	29885m	0.154	ppbv	
30) Cyclohexane	7.11	84	14328m	0.123	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	12963m	0.105	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	23713m	0.114	ppbv	
34) 2-Butanone	5.17	43	22452m	0.187	ppbv	
35) Carbon Tetrachloride	6.99	117	22455m	0.102	ppbv	
36) Benzene	6.87	78	33366m	0.117	ppbv	
37) 1,2-Dichloroethane	6.29	62	16462	0.117	ppbv #	80
38) Trichloroethene	7.82	130	15204m	0.125	ppbv	
39) 1,2-Dichloropropane	7.60	63	13909m	0.127	ppbv	
40) 1,4-Dioxane	7.86	88	2877m	0.111	ppbv	
41) Tetrahydrofuran	6.08	42	6238m	0.091	ppbv	
42) Bromodichloromethane	7.77	83	19914m	0.093	ppbv	
43) Methyl Methacrylate	8.01	69	8446m	0.086	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	49799	0.102	ppbv #	86
45) t-1,3-Dichloropropene	9.26	75	3925m	0.052	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	8254m	0.082	ppbv	

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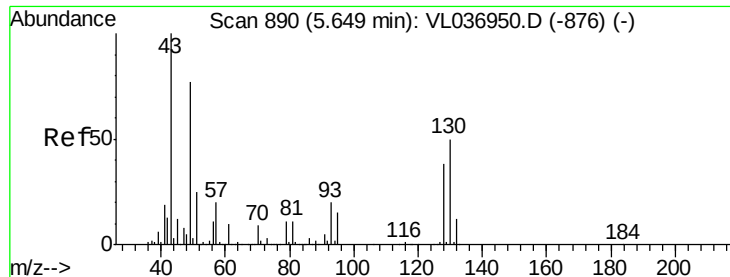
Manual Integrations
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Quant Time: May 26 11:54:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.46	97	16477m	0.144	ppbv	
48) Dibromochloromethane	10.29	129	12439m	0.067	ppbv	
49) Bromoform	13.02	173	9007m	0.059	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	21189m	0.107	ppbv	
51) 2-Hexanone	10.17	43	8067m	0.077	ppbv	
52) Tetrachloroethene	11.21	164	14929m	0.132	ppbv	
53) Toluene	9.79	91	35010m	0.104	ppbv	
54) 1,2-Dibromoethane	10.59	107	16918m	0.104	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	8623	0.072	ppbv #	5
57) Chlorobenzene	12.12	112	32913m	0.148	ppbv	
58) Ethyl Benzene	12.70	91	43498m	0.108	ppbv	
59) m/p-Xylene	12.98	91	73233m	0.220	ppbv	
60) o-Xylene	13.67	91	32744	0.103	ppbv	96
61) Styrene	13.52	104	15481m	0.086	ppbv	
62) Isopropylbenzene	14.65	105	52190m	0.114	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	26615m	0.112	ppbv	
64) n-propylbenzene	15.55	120	12139m	0.103	ppbv	
65) tert-Butylbenzene	16.73	119	45512m	0.110	ppbv	
66) Benzyl Chloride	16.98	91	2543m	0.111	ppbv	
67) sec-Butylbenzene	17.28	105	60903m	0.108	ppbv	
69) p-Isopropyltoluene	17.64	119	50259m	0.104	ppbv	
70) n-Butylbenzene	18.54	91	43447m	0.095	ppbv	
71) 2-Chlorotoluene	15.44	91	36863m	0.112	ppbv	
72) 4-Ethyltoluene	15.83	105	37318m	0.099	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	37930m	0.107	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	41232m	0.112	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	28678m	0.128	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	30220m	0.134	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	27994m	0.125	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	27514m	0.153	ppbv	
79) Naphthalene	22.20	128	14322m	0.050	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	13639m	0.078	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: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 49 Resp: 1093051

Ion Ratio Lower Upper

49 100

128 57.7 26.9 80.7

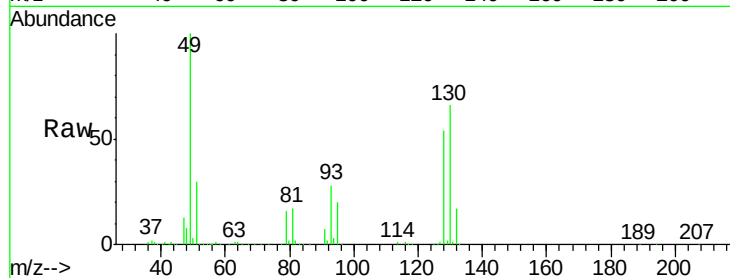
130 73.3 33.8 101.4

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

400000

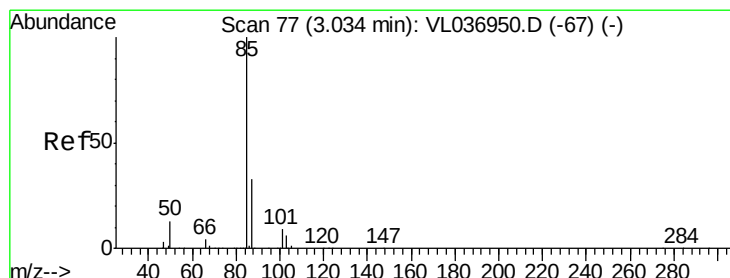
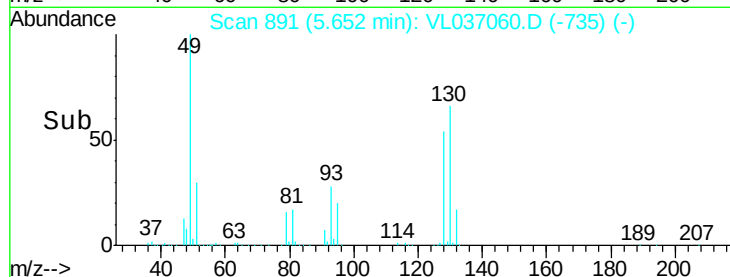
300000

200000

100000

0

Time--> 5.55 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.170 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL037060.D

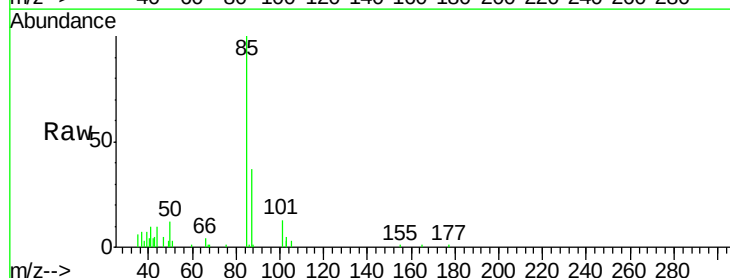
Acq: 25 May 2021 14:37

Tgt Ion: 85 Resp: 31506

Ion Ratio Lower Upper

85 100

87 36.7 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

25000

20000

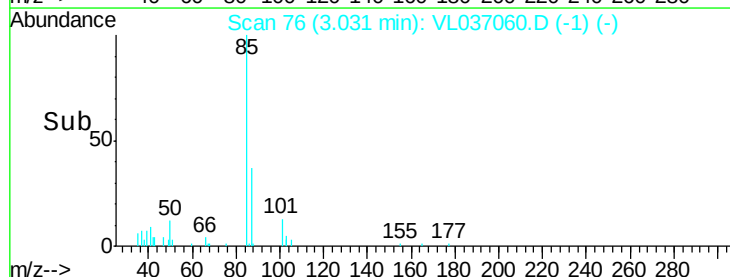
15000

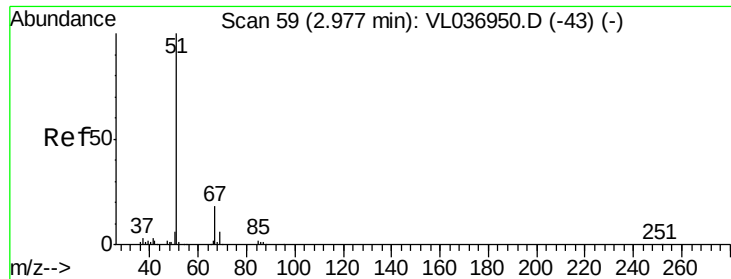
10000

5000

0

Time--> 2.98 3.00 3.02 3.04 3.06





#3

Chlorodifluoromethane

Concen: 0.153 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 51 Resp: 30737

Ion Ratio Lower Upper

51 100

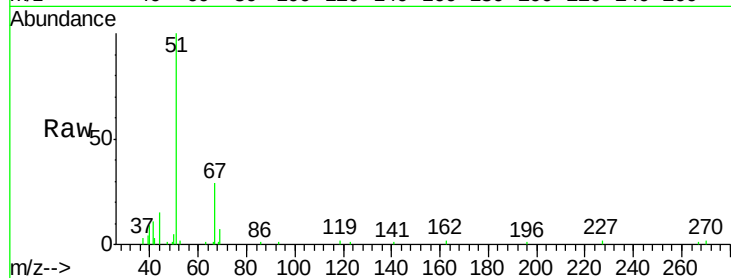
67 21.6 14.6 21.8

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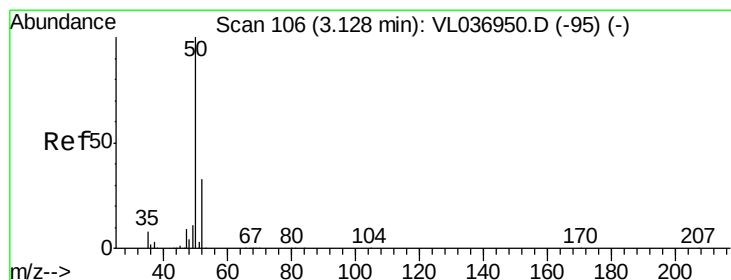
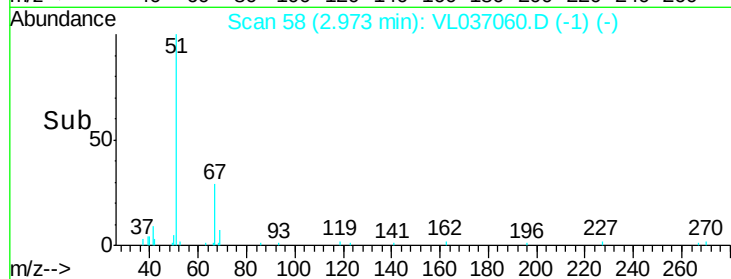
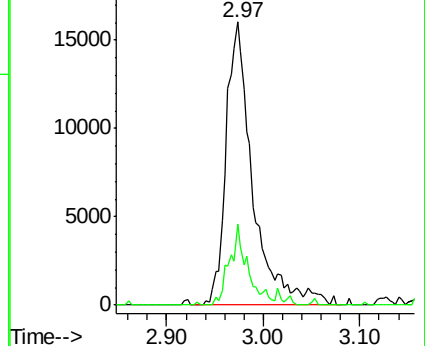
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.133 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037060.D

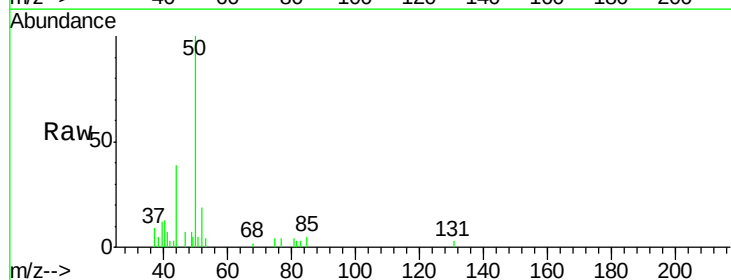
Acq: 25 May 2021 14:37

Tgt Ion: 50 Resp: 9073

Ion Ratio Lower Upper

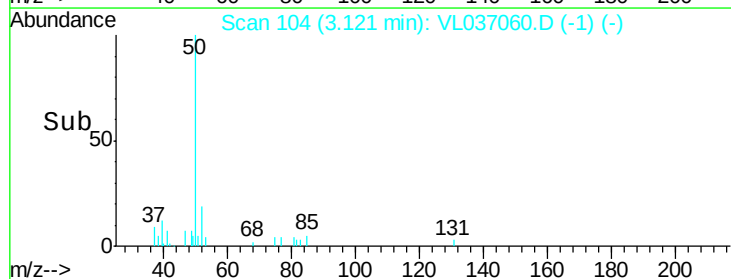
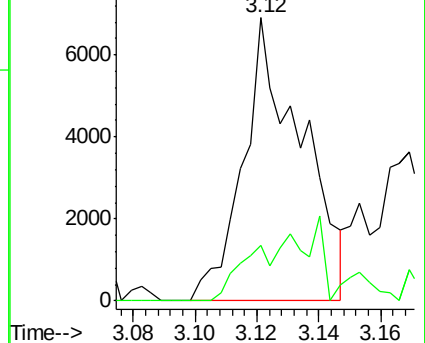
50 100

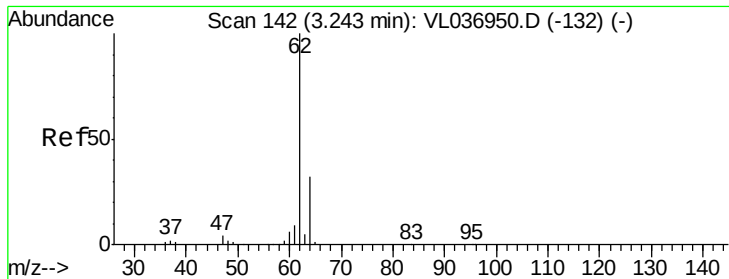
52 19.5 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.095 ppbv m

RT: 3.25 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 62 Resp: 7045

Ion Ratio Lower Upper

62 100

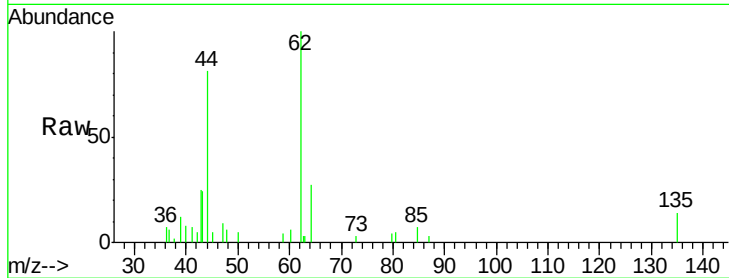
64 26.9 25.9 38.9

Manual Integrations

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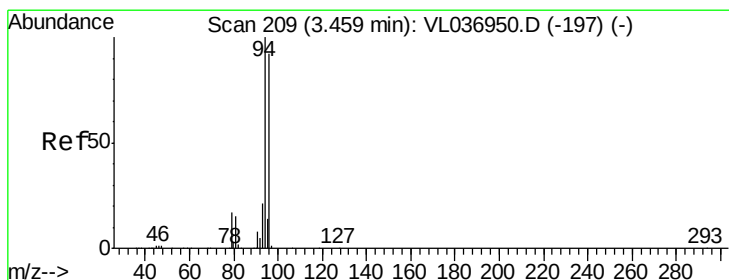
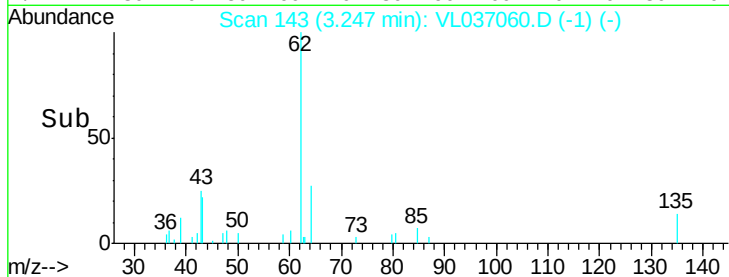
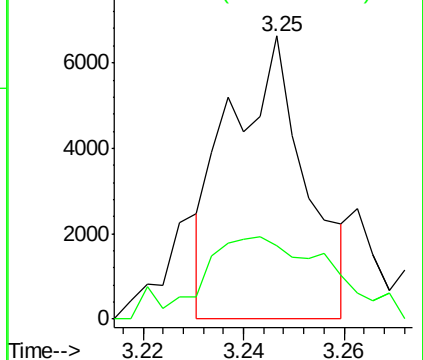
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.118 ppbv m

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL037060.D

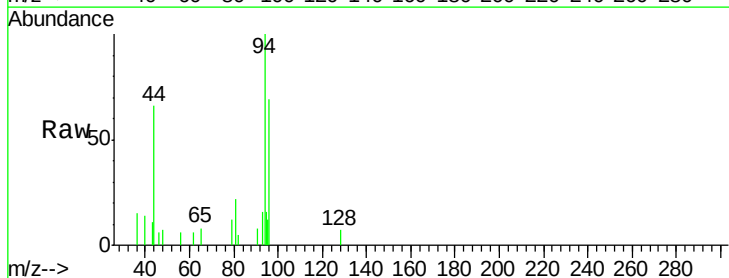
Acq: 25 May 2021 14:37

Tgt Ion: 94 Resp: 4633

Ion Ratio Lower Upper

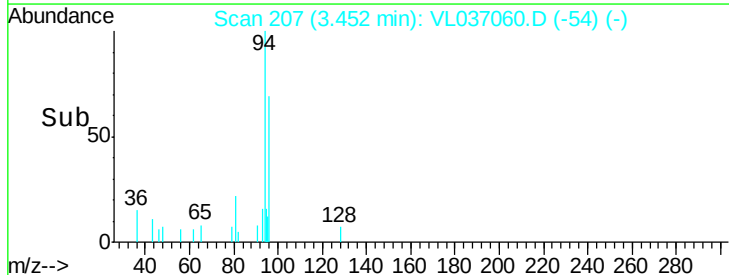
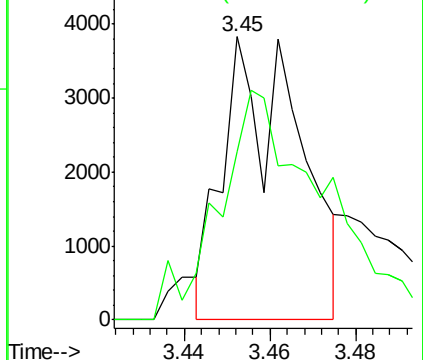
94 100

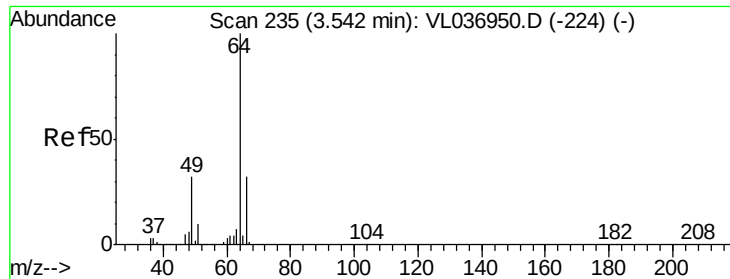
96 69.2 74.0 111.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.100 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 64 Resp: 2420

Ion Ratio Lower Upper

64 100

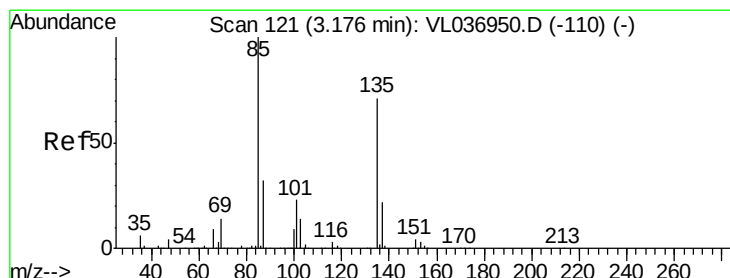
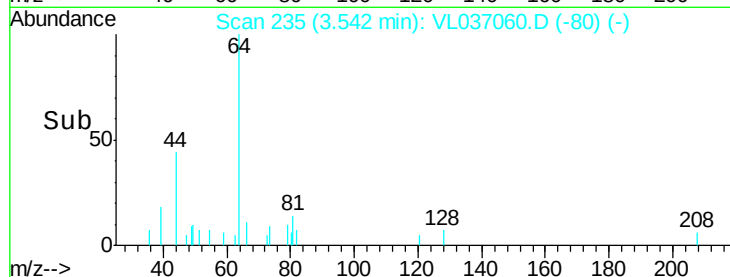
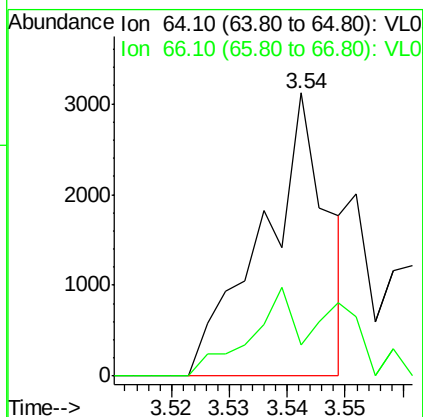
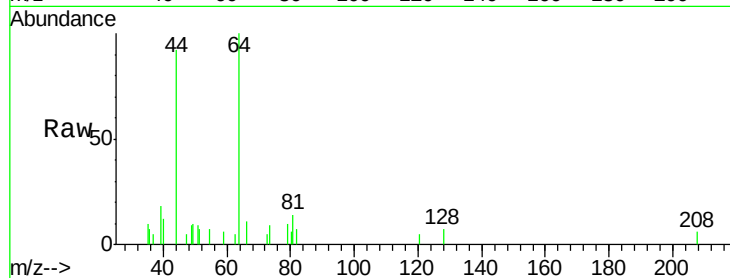
66 11.2 25.4 38.2#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.144 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL037060.D

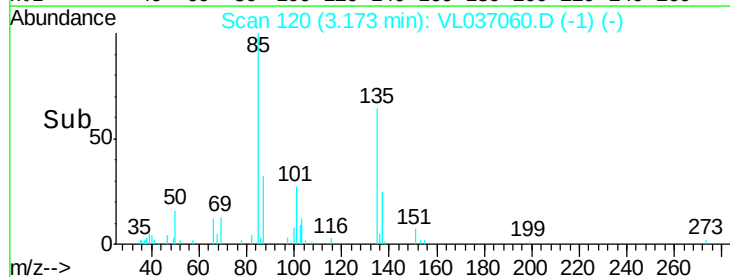
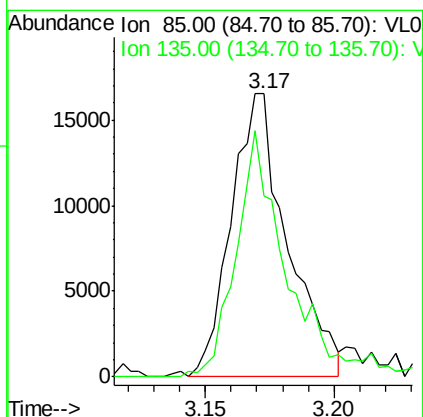
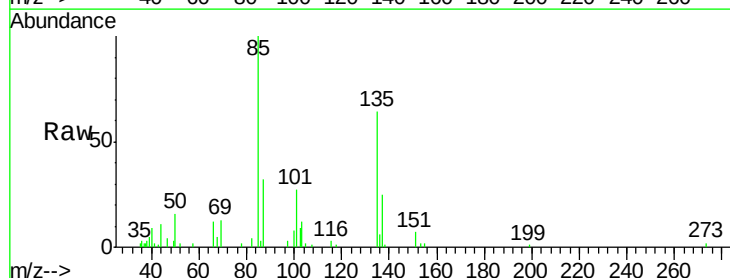
Acq: 25 May 2021 14:37

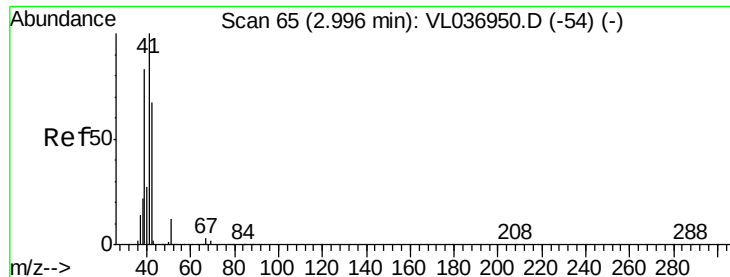
Tgt Ion: 85 Resp: 25116

Ion Ratio Lower Upper

85 100

135 79.2 57.7 86.5





#9

Propene

Concen: 0.210 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

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ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 41 Resp: 15091

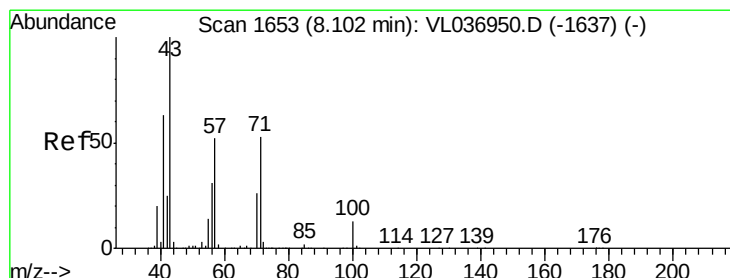
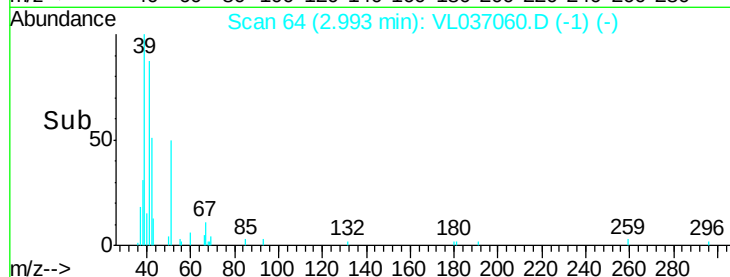
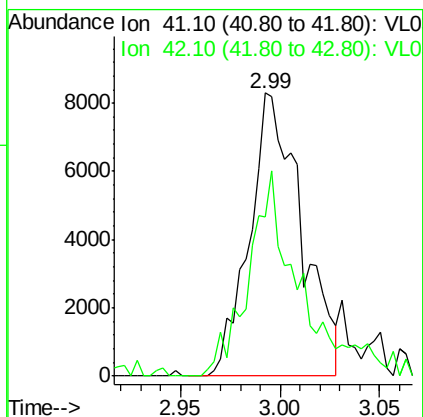
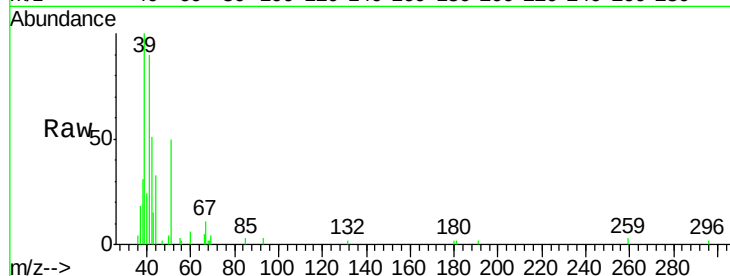
Ion Ratio Lower Upper

41 100

42 2.4 53.9 80.9#

Manual Integrations
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#10

Heptane

Concen: 0.094 ppbv m

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL037060.D

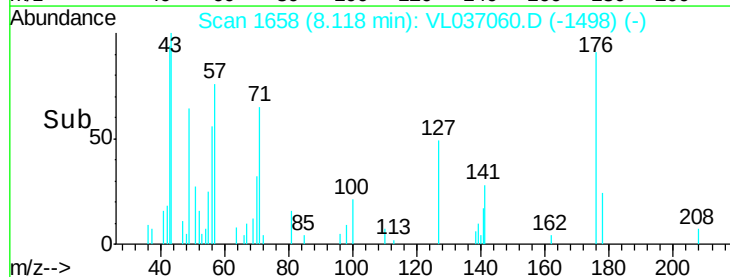
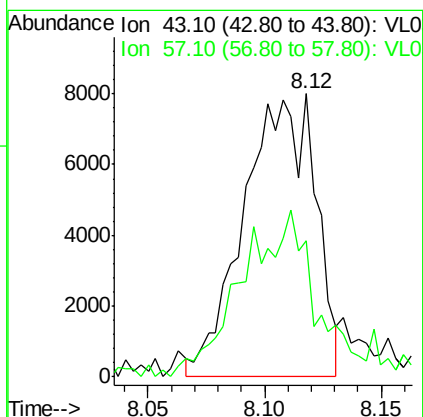
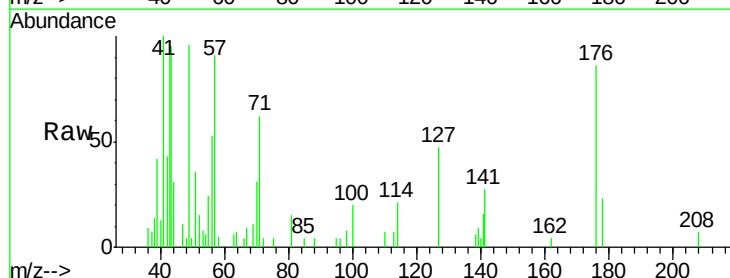
Acq: 25 May 2021 14:37

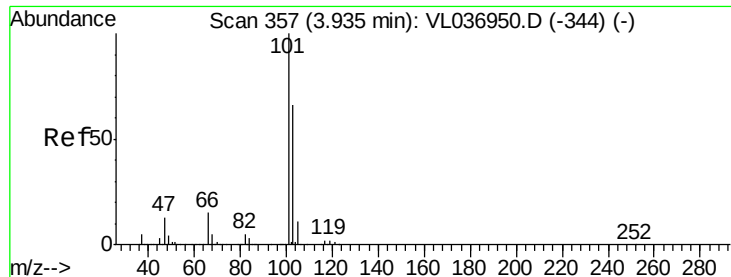
Tgt Ion: 43 Resp: 16884

Ion Ratio Lower Upper

43 100

57 67.3 41.0 61.6#





#11

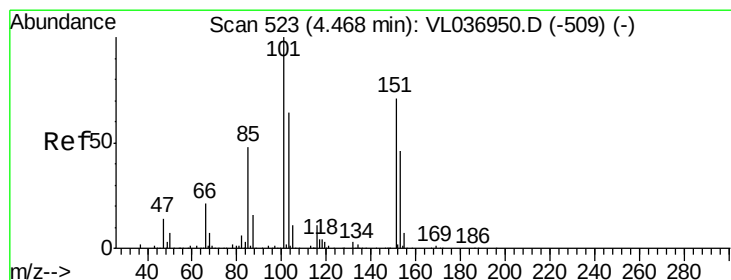
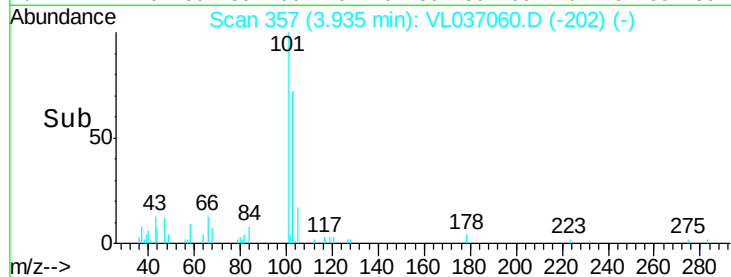
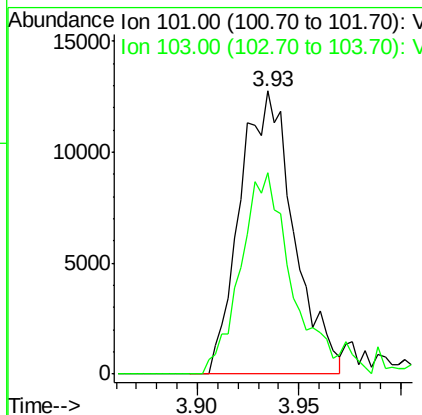
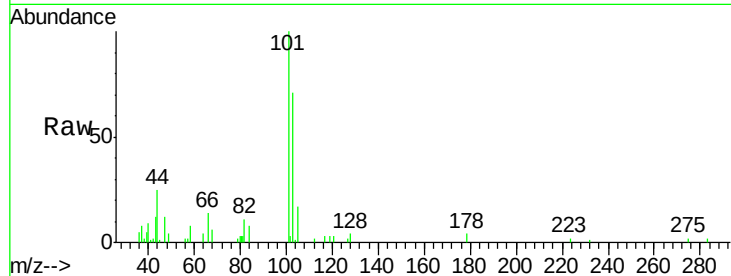
Trichlorofluoromethane
Concen: 0.137 ppbv m
RT: 3.93 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
101	100		
103	71.4	52.6	79.0

Manual Integrations
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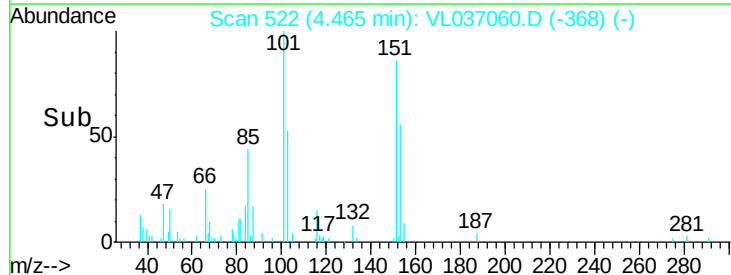
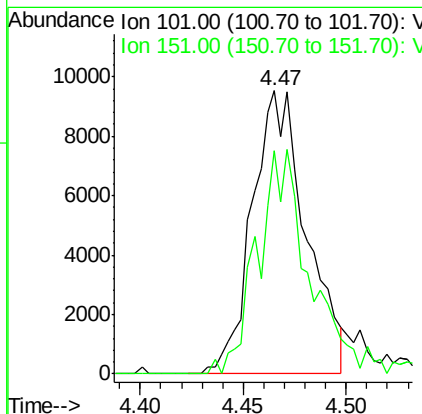
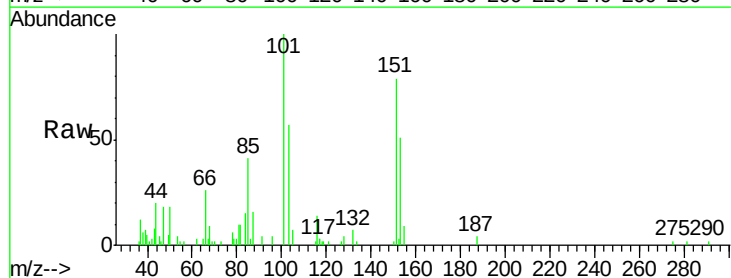
MMDadoda
5/27/2021 10:31:34 AM

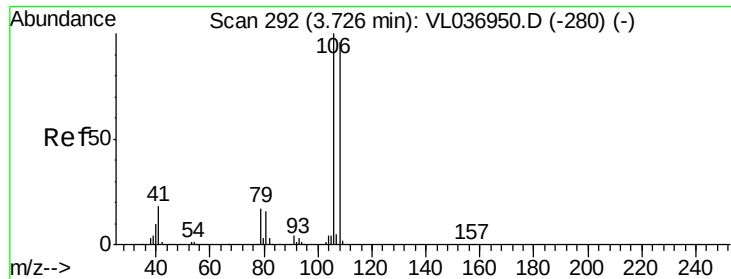


#12

1,1,2-Trichlorotrifluoroethane
Concen: 0.141 ppbv m
RT: 4.47 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Lower	Upper
101	100		
151	79.6	57.7	86.5





#14

Bromoethene

Concen: 0.104 ppbv m

RT: 3.73 min Scan# 294

Delta R.T. 0.01 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

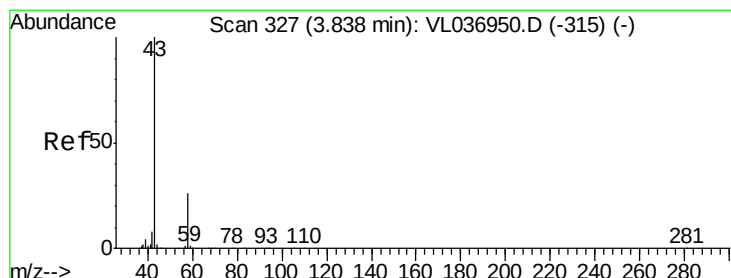
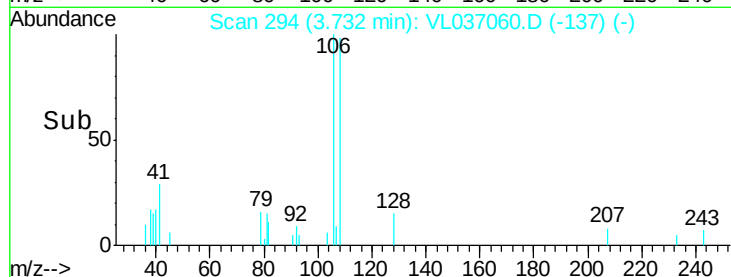
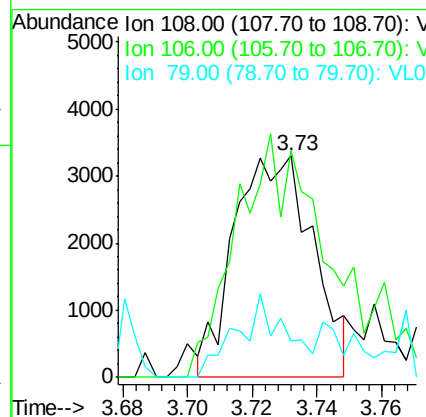
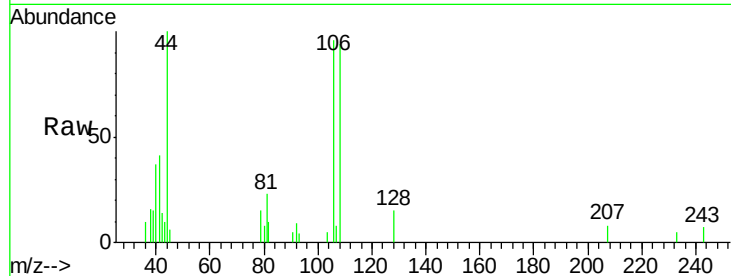
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	108	Resp:	5587
Ion Ratio	Lower	Upper	
108	100		
106	0.0	86.5	129.7#
79	0.0	15.0	22.4#

Manual Integrations
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MMDadoda
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#15

Acetone

Concen: 0.302 ppbv m

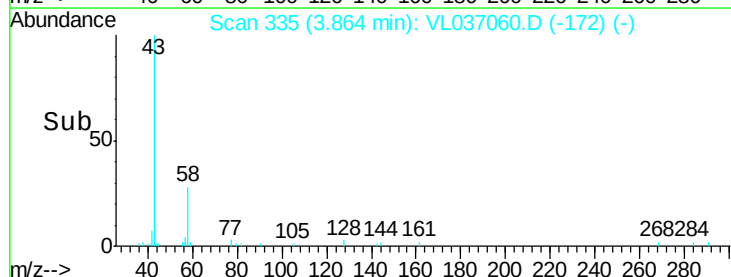
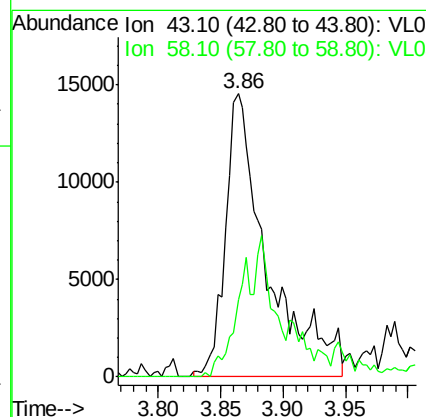
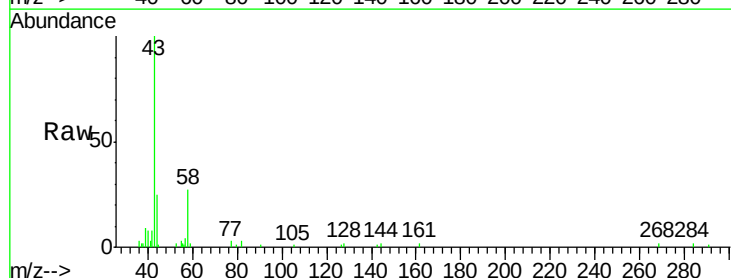
RT: 3.86 min Scan# 335

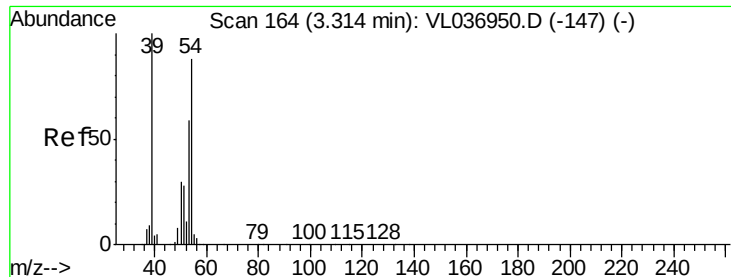
Delta R.T. 0.03 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Tgt Ion:	43	Resp:	33767
Ion Ratio	Lower	Upper	
43	100		
58	0.0	24.0	36.0#





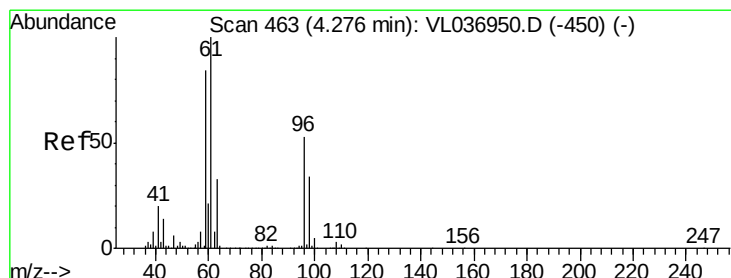
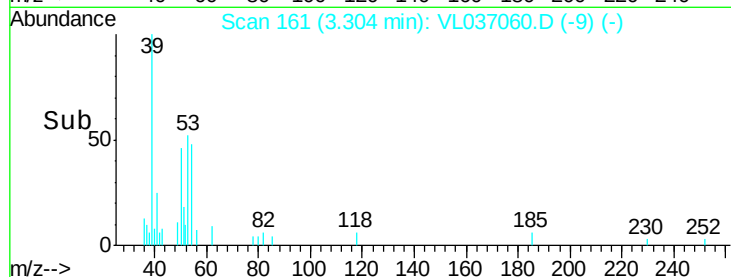
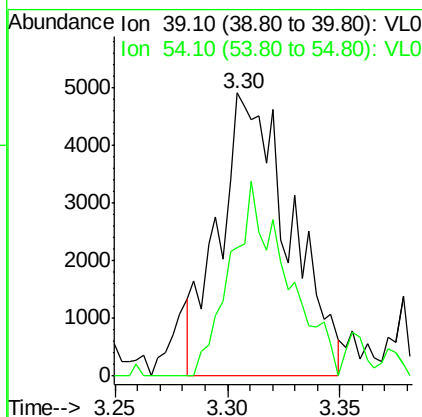
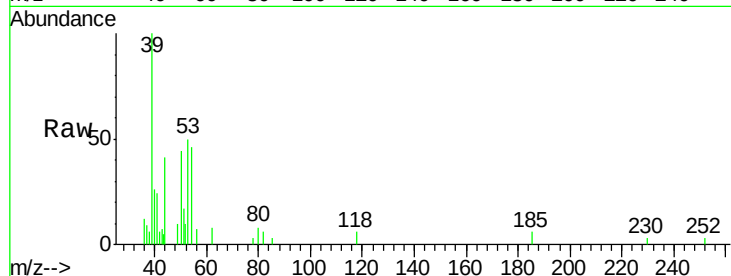
#16
1,3-Butadiene
Concen: 0.155 ppbv m
RT: 3.30 min Scan# 161
Delta R.T. -0.01 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion: 39 Resp: 10800
Ion Ratio Lower Upper
39 100
54 60.9 63.2 94.8#

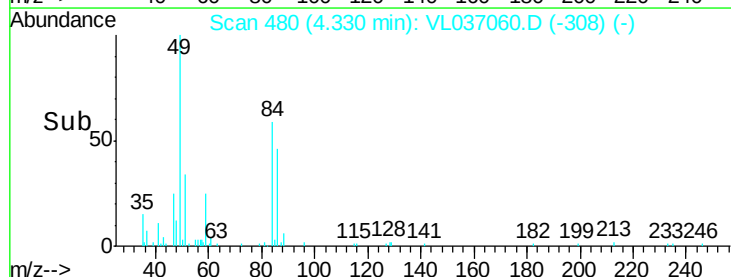
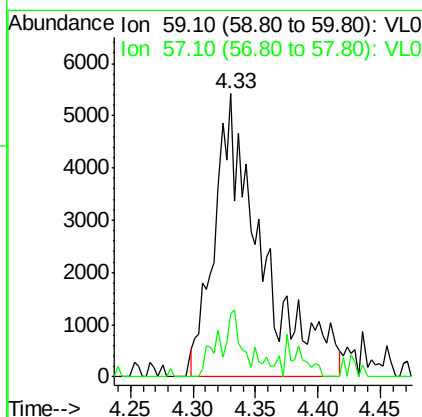
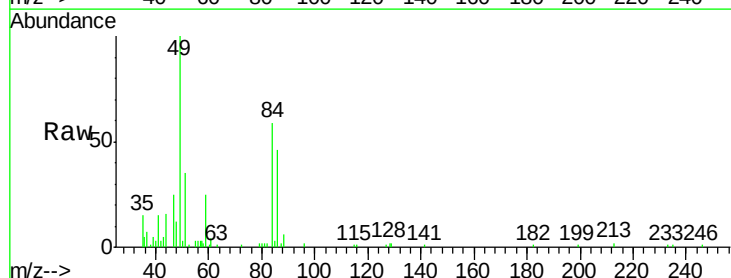
Manual Integrations
APPROVED

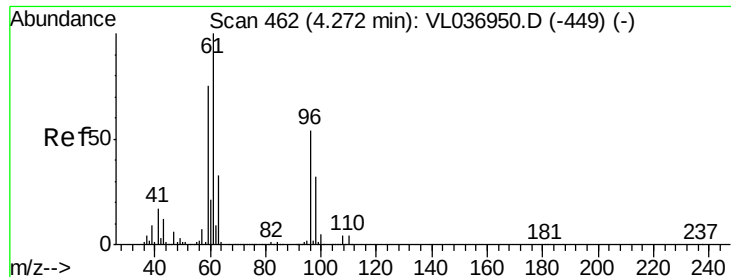
MMDadoda
5/27/2021 10:31:34 AM



#17
tert-Butyl alcohol
Concen: 0.138 ppbv m
RT: 4.33 min Scan# 480
Delta R.T. 0.05 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion: 59 Resp: 14145
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





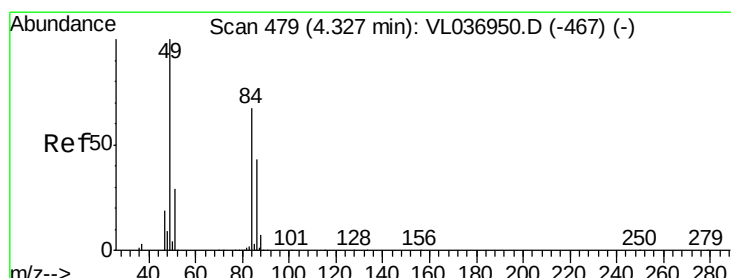
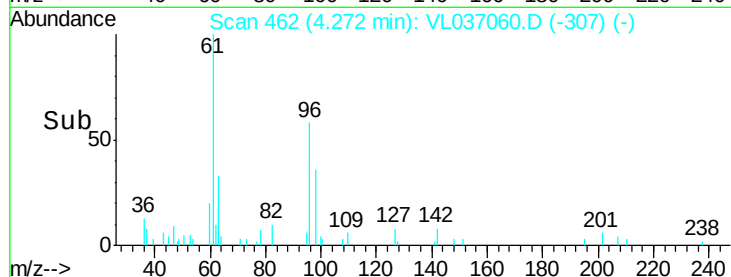
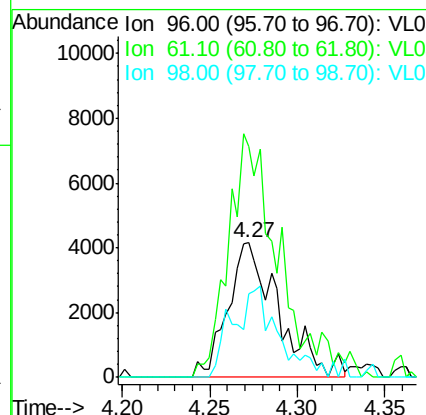
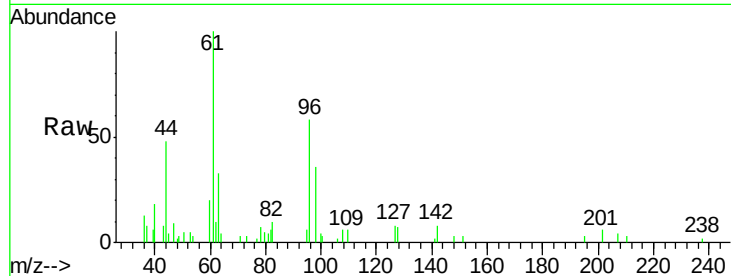
#18
 1,1-Dichloroethene
 Concen: 0.148 ppbv m
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	148.2	222.4
98	61.9	47.8	71.6

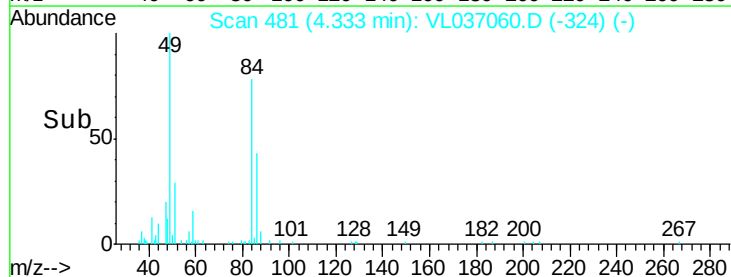
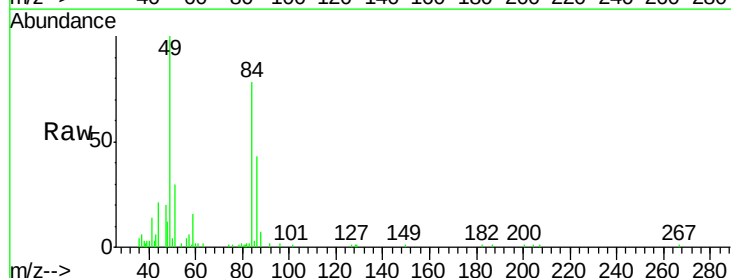
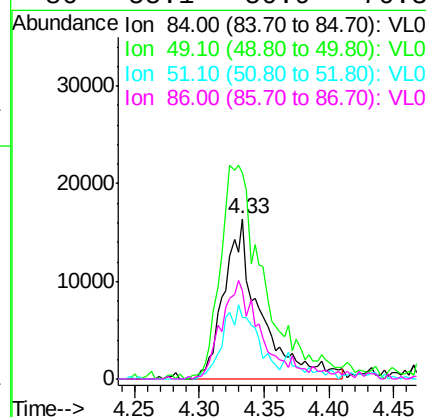
Manual Integrations
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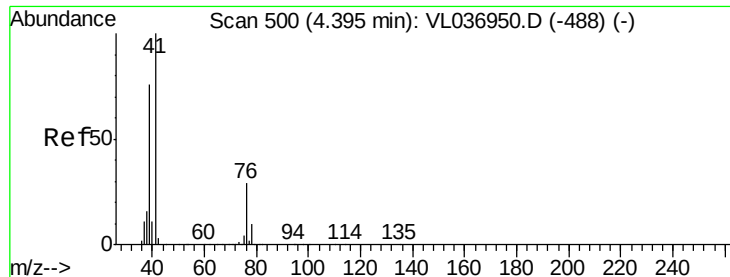
MMDadoda
 5/27/2021 10:31:34 AM



#20
 Methylene Chloride
 Concen: 0.534 ppbv m
 RT: 4.33 min Scan# 481
 Delta R.T. 0.01 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.6	119.8	179.6
51	38.6	35.1	52.7
86	55.1	50.9	76.3





#21

Allyl Chloride

Concen: 0.121 ppbv m

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

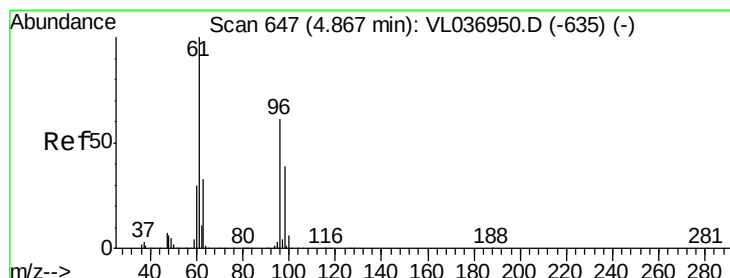
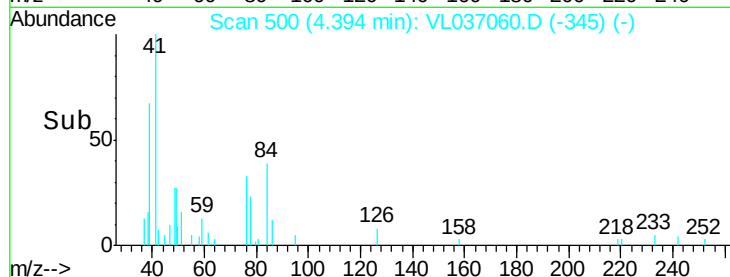
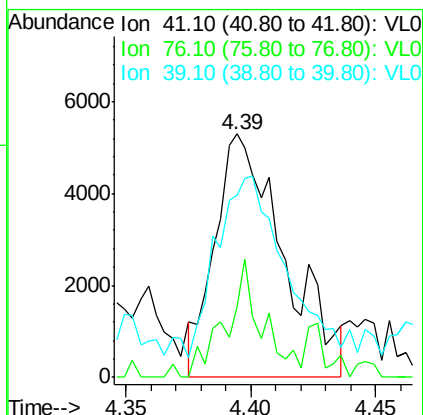
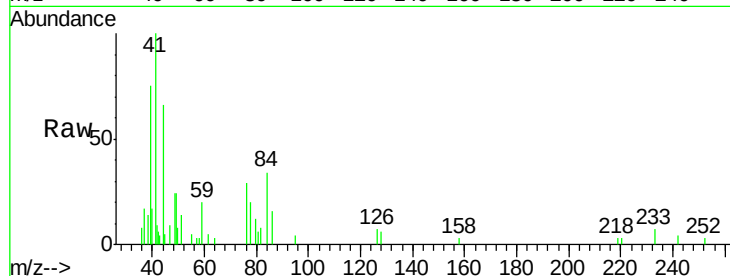
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	41	Resp:	10197
Ion	Ratio	Lower	Upper
41	100		
76	34.8	24.9	37.3
39	90.8	63.7	95.5

Manual Integrations
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5/27/2021 10:31:34 AM



#22

trans-1,2-Dichloroethene

Concen: 0.174 ppbv m

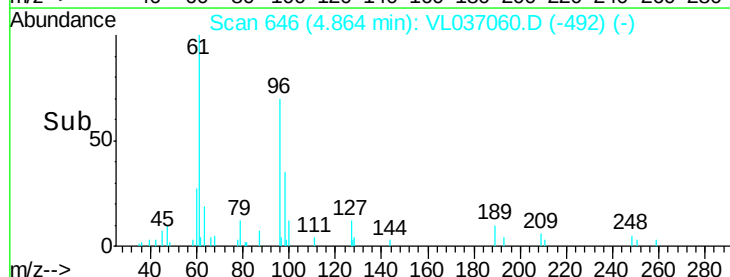
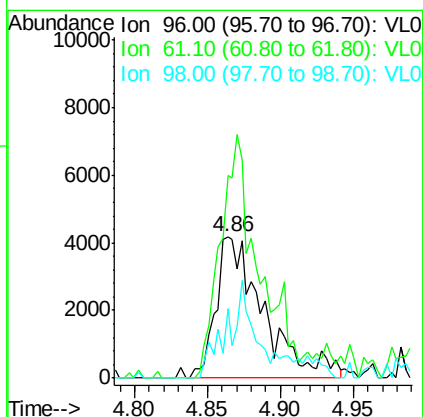
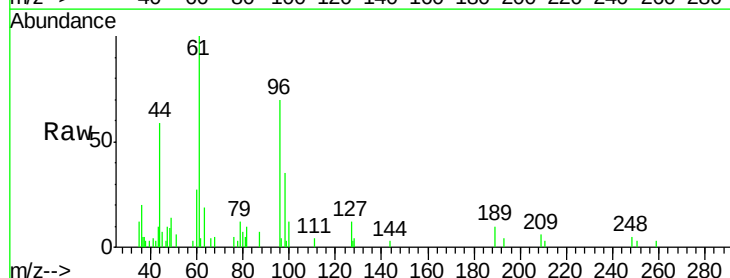
RT: 4.86 min Scan# 646

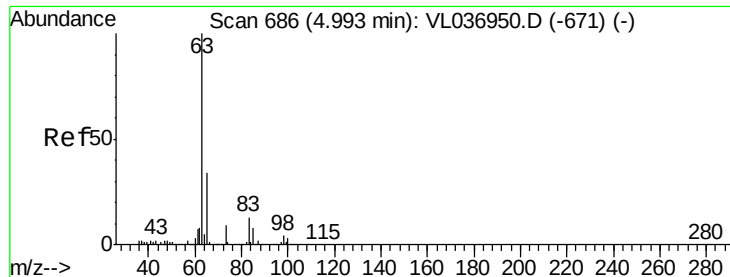
Delta R.T. -0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Tgt Ion:	96	Resp:	9413
Ion	Ratio	Lower	Upper
96	100		
61	143.0	130.6	196.0
98	49.5	50.8	76.2#





#24

1,1-Dichloroethane

Concen: 0.120 ppbv m

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

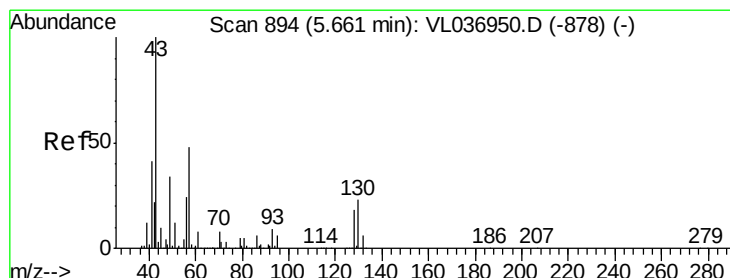
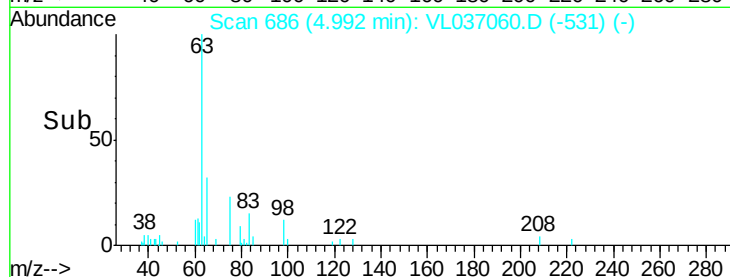
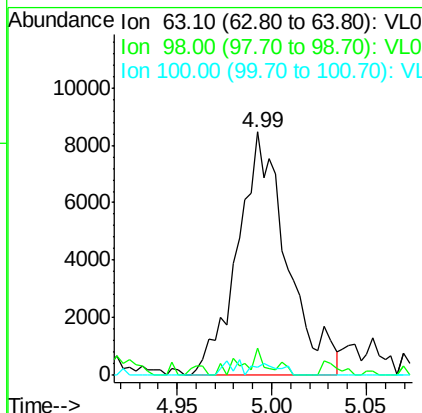
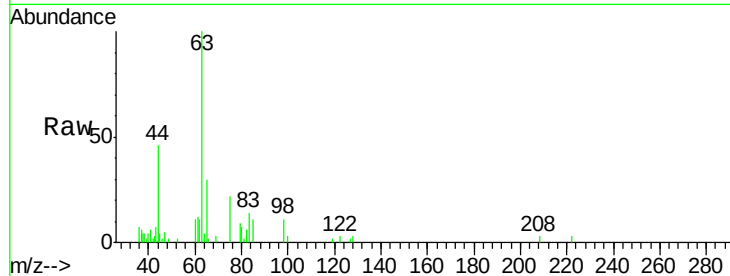
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	63	Resp:	15304
Ion Ratio	Lower	Upper	
63	100		
98	11.4	2.3	6.9#
100	3.1	1.4	4.0

Manual Integrations
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#25

Ethyl Acetate

Concen: 0.137 ppbv m

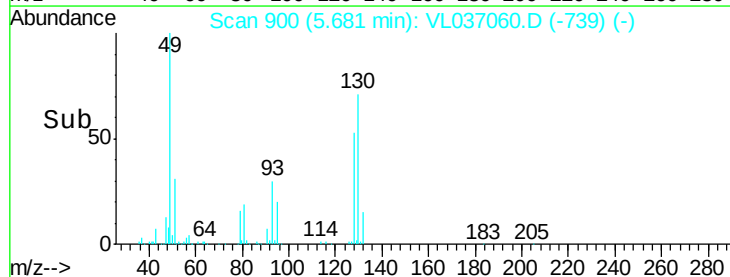
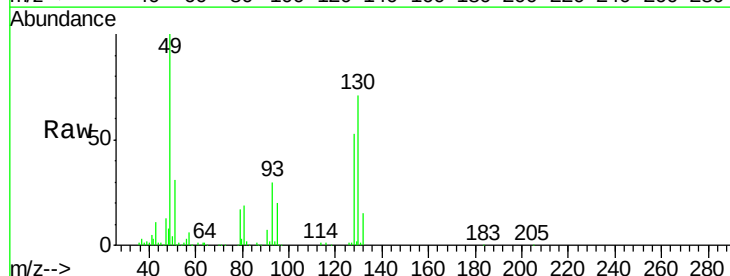
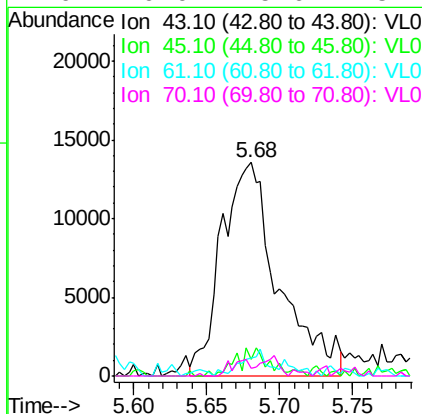
RT: 5.68 min Scan# 900

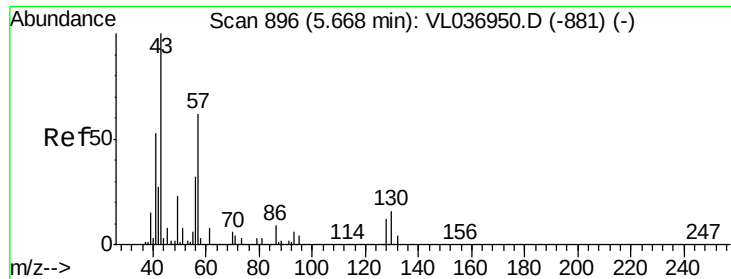
Delta R.T. 0.02 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Tgt Ion:	43	Resp:	36807
Ion Ratio	Lower	Upper	
43	100		
45	0.0	7.8	11.8#
61	0.0	7.8	11.8#
70	0.0	5.6	8.4#





#26

Hexane

Concen: 0.177 ppbv m

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 57 Resp: 24368

Ion Ratio Lower Upper

57 100

41 108.2 70.5 105.7#

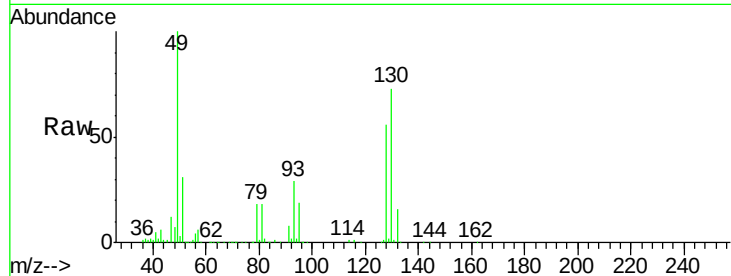
43 161.6 165.8 248.8#

56 60.1 42.2 63.4

Manual Integrations
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5/27/2021 10:31:34 AM

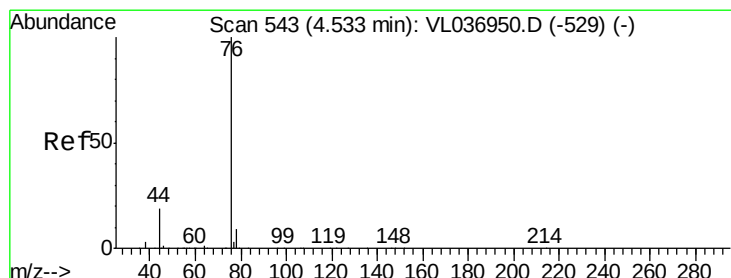
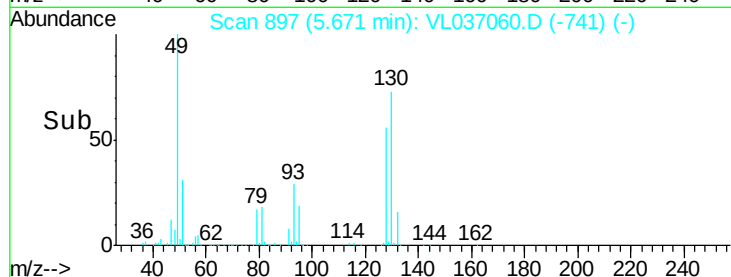
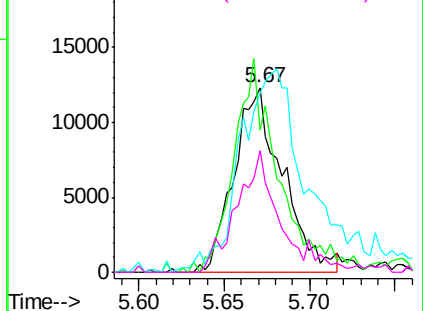


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.079 ppbv m

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

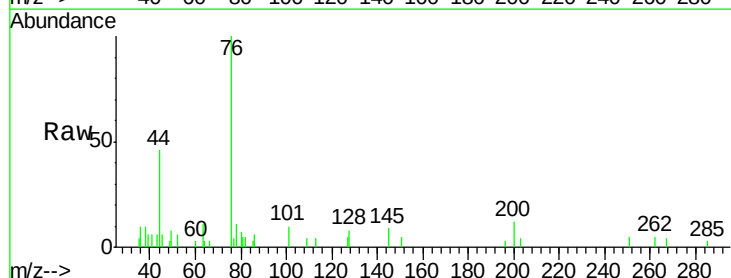
Tgt Ion: 76 Resp: 10998

Ion Ratio Lower Upper

76 100

44 0.0 15.5 23.3#

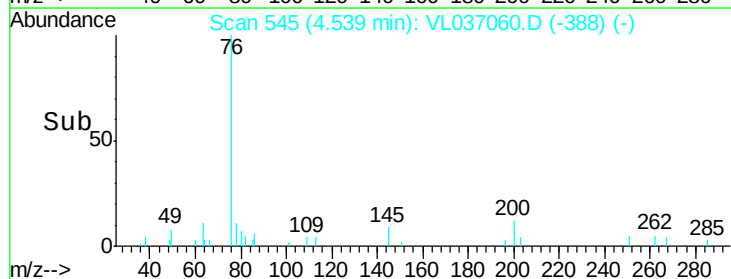
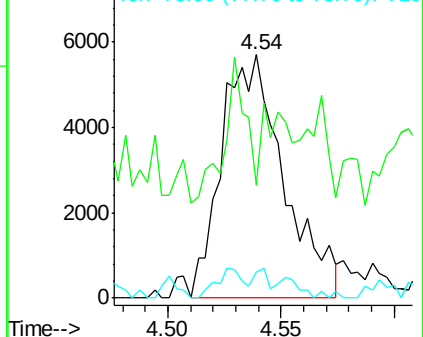
78 0.0 7.8 11.6#

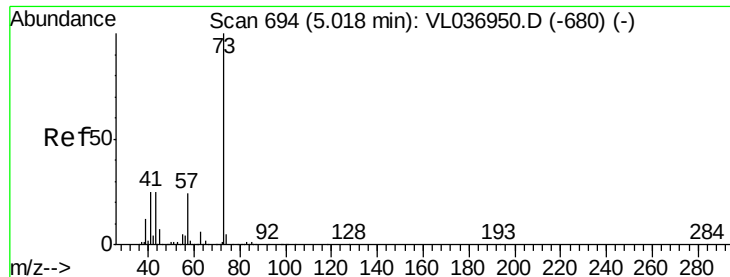


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#28

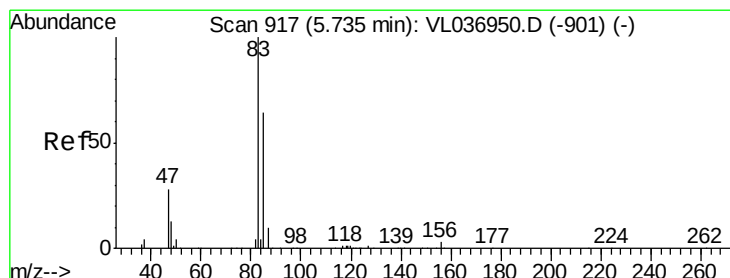
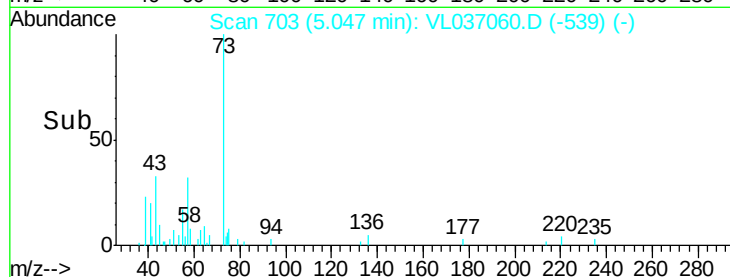
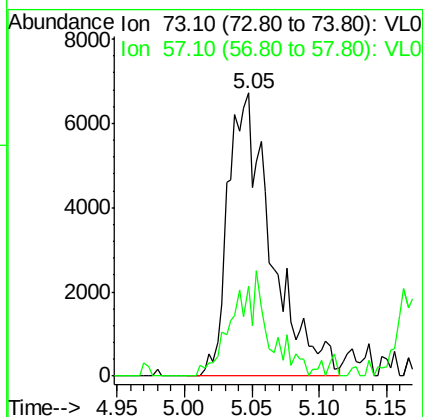
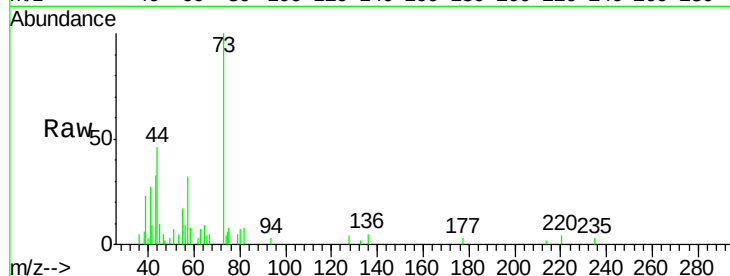
Methyl tert-Butyl Ether
 Concen: 0.092 ppbv m
 RT: 5.05 min Scan# 703
 Delta R.T. 0.03 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion: 73 Resp: 15098
 Ion Ratio Lower Upper
 73 100
 57 0.0 18.3 27.5#

Manual Integrations
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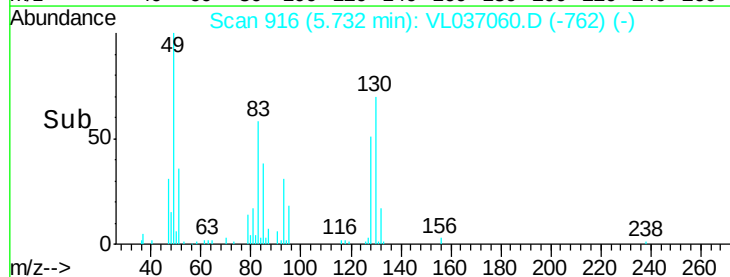
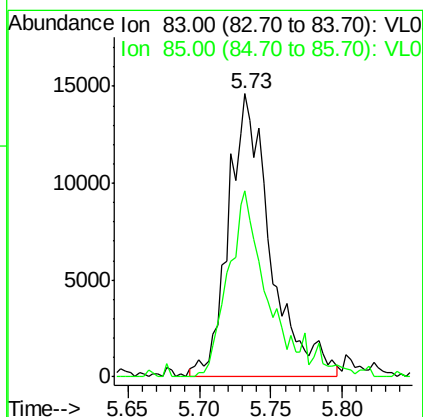
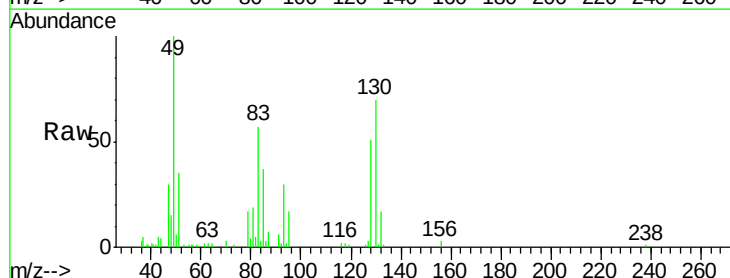
MMDadoda
 5/27/2021 10:31:34 AM

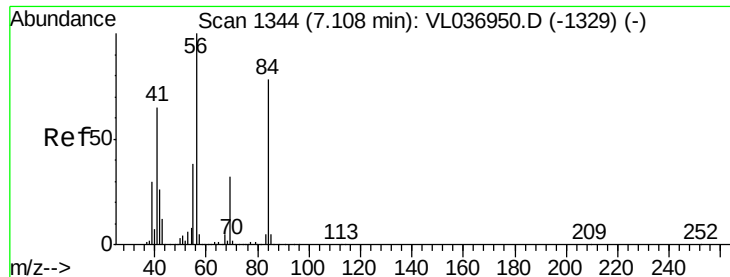


#29

Chloroform
 Concen: 0.154 ppbv m
 RT: 5.73 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion: 83 Resp: 29885
 Ion Ratio Lower Upper
 83 100
 85 65.6 51.1 76.7





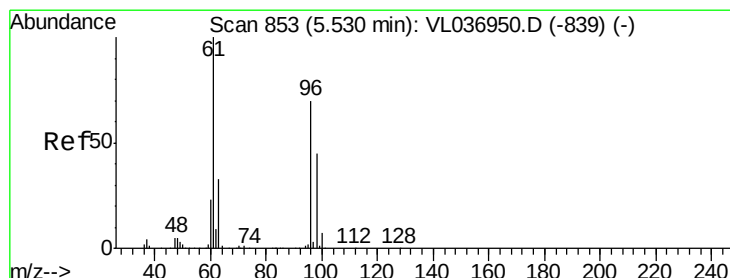
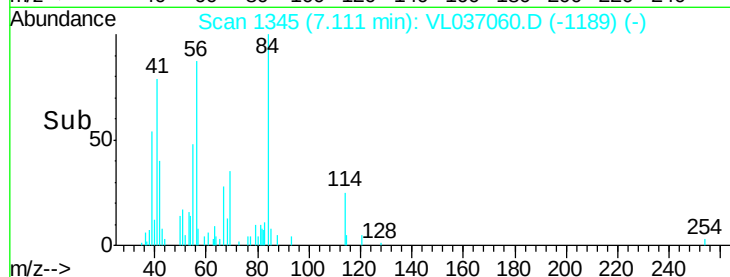
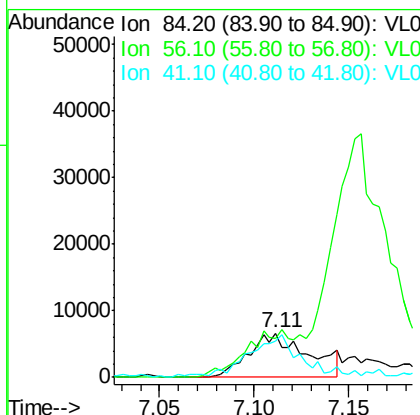
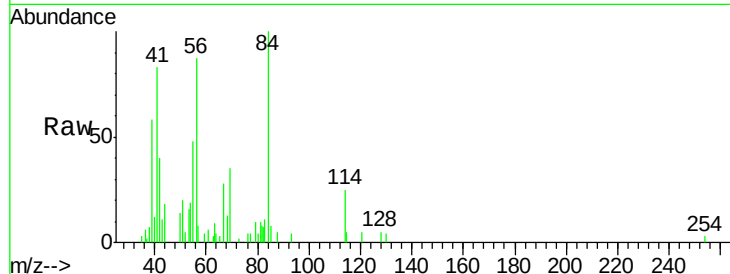
#30
Cyclohexane
Concen: 0.123 ppbv m
RT: 7.11 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.9	161.9#
41	91.7	65.5	98.3

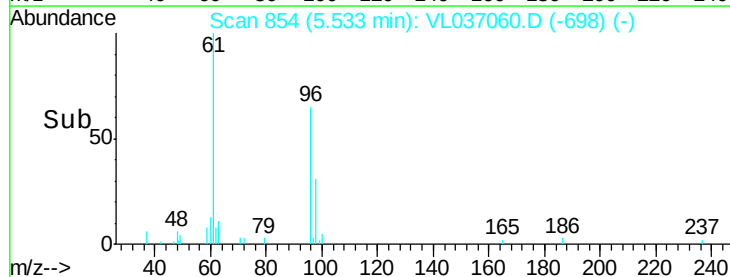
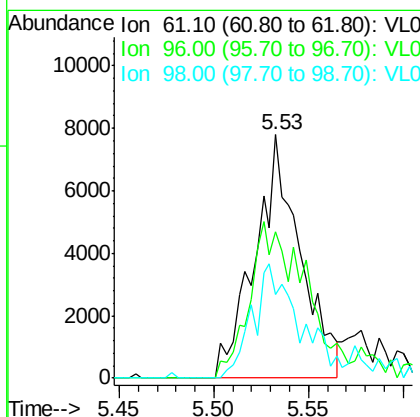
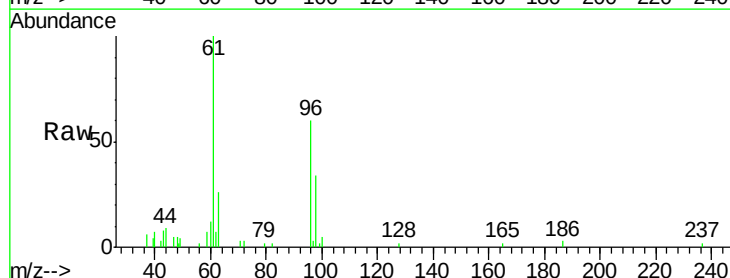
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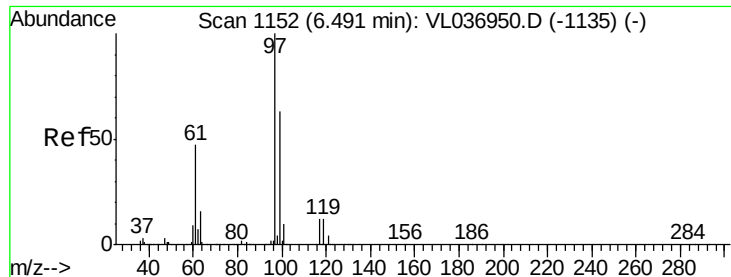
MMDadoda
5/27/2021 10:31:34 AM



#31
cis-1,2-Dichloroethene
Concen: 0.105 ppbv m
RT: 5.53 min Scan# 854
Delta R.T. 0.00 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Lower	Upper
61	100		
96	60.3	55.9	83.9
98	34.2	35.6	53.4#





#32

1,1,1-Trichloroethane

Concen: 0.114 ppbv m

RT: 6.49 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

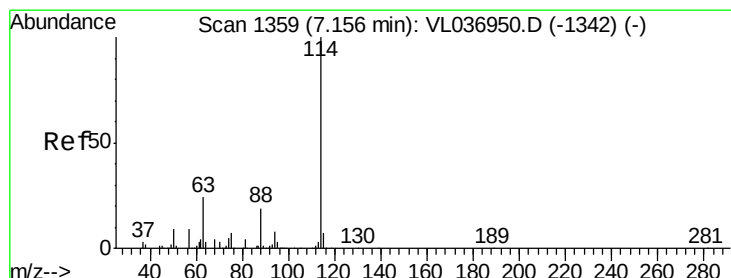
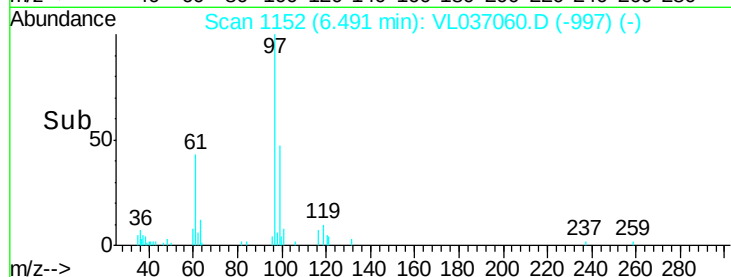
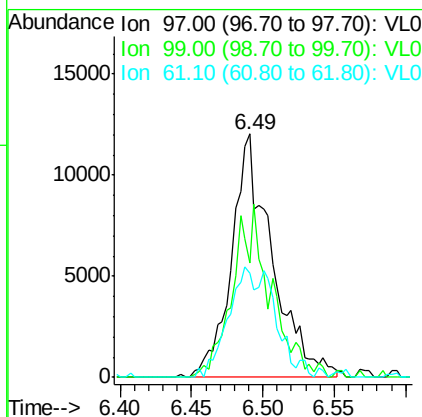
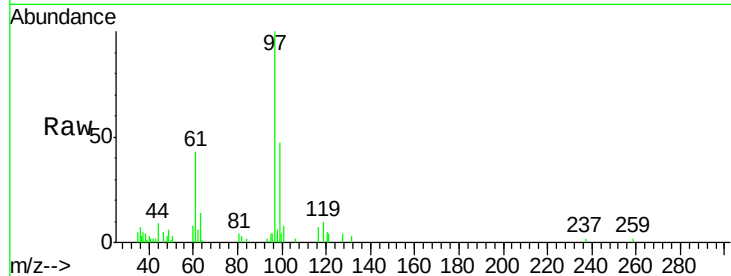
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	97	Resp:	23713
Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.9	77.9
61	0.0	37.6	56.4#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

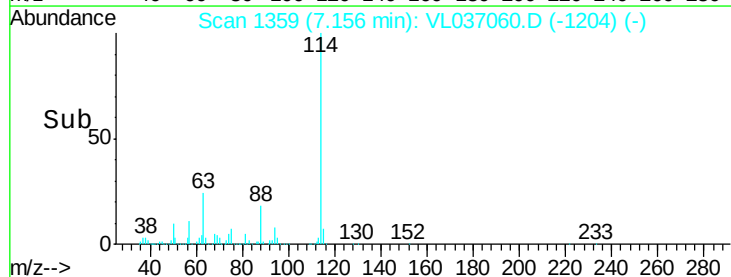
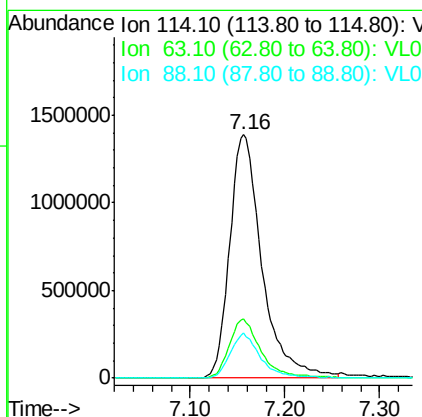
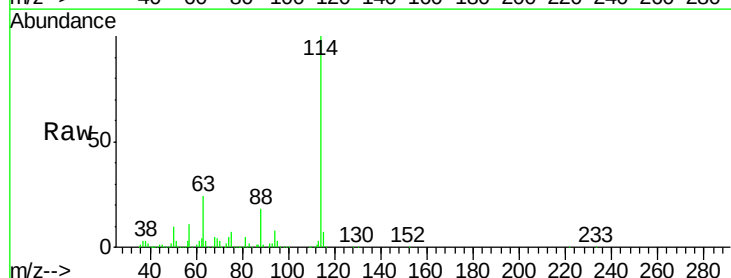
RT: 7.16 min Scan# 1359

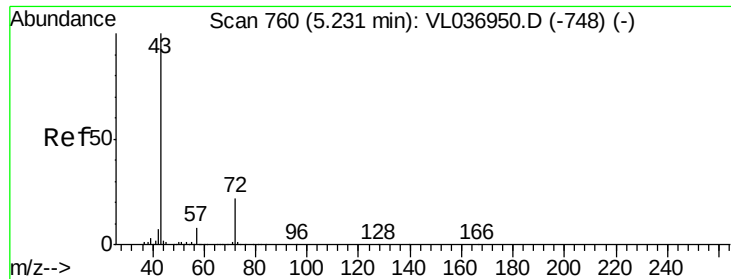
Delta R.T. -0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Tgt Ion:	114	Resp:	3298035
Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.6	14.6	21.8





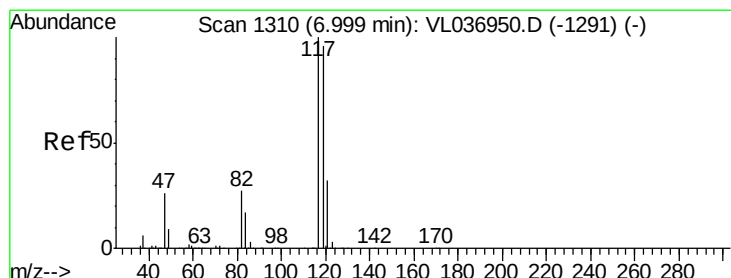
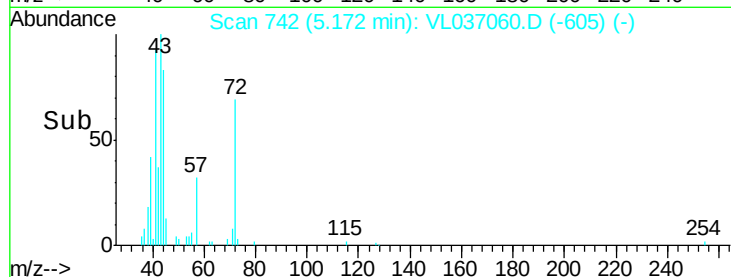
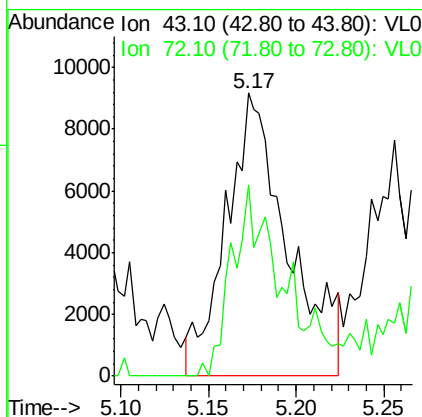
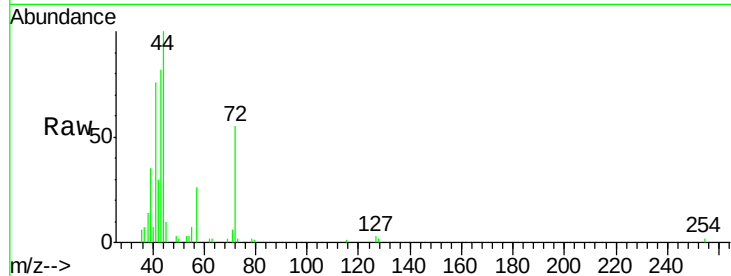
#34
2-Butanone
Concen: 0.187 ppbv m
RT: 5.17 min Scan# 742
Delta R.T. -0.06 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion: 43 Resp: 22452
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.4#

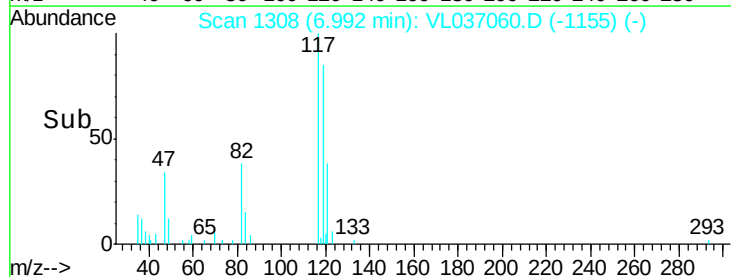
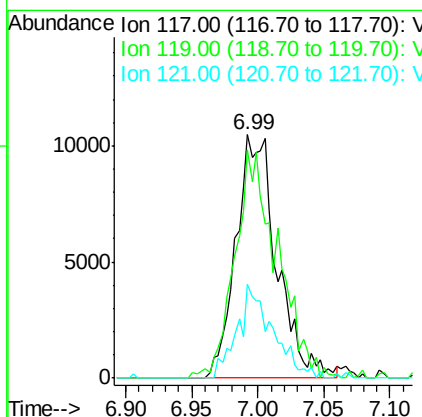
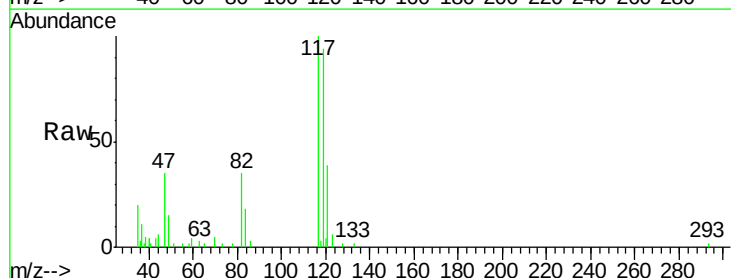
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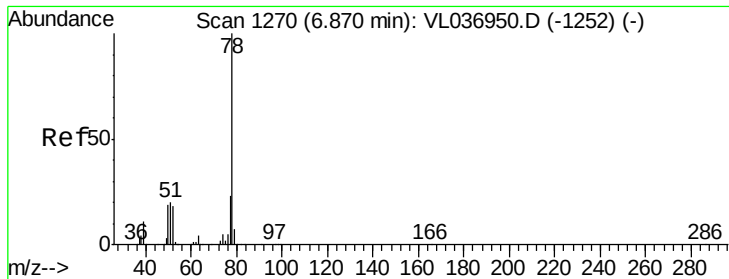
MMDadoda
5/27/2021 10:31:34 AM



#35
Carbon Tetrachloride
Concen: 0.102 ppbv m
RT: 6.99 min Scan# 1308
Delta R.T. -0.01 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion: 117 Resp: 22455
Ion Ratio Lower Upper
117 100
119 93.8 76.6 114.8
121 38.6 25.8 38.6





#36

Benzene

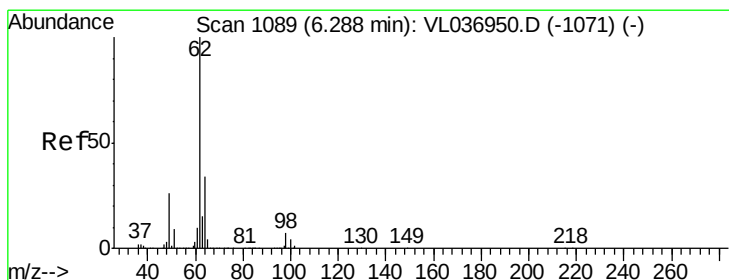
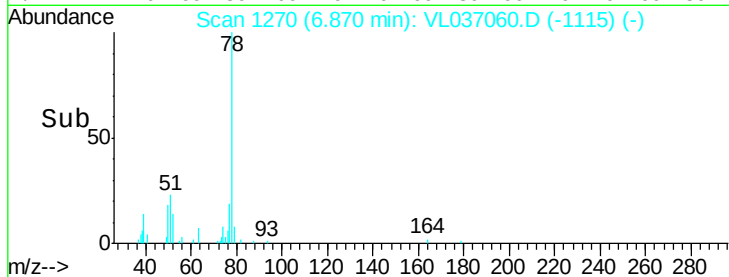
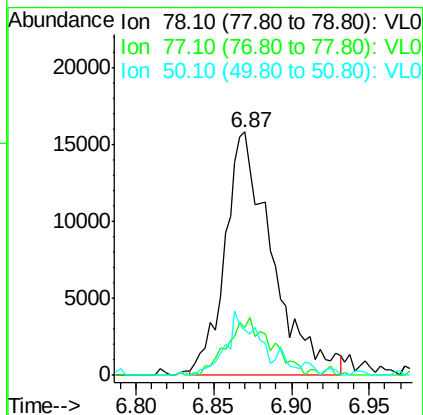
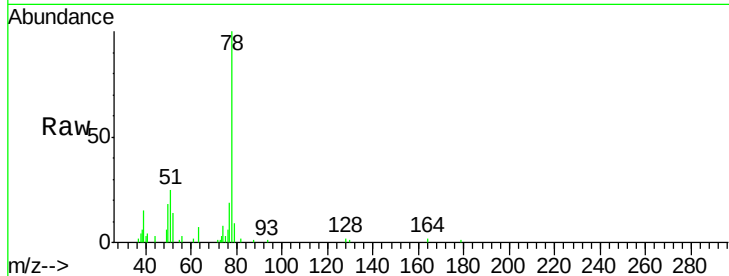
Concen: 0.117 ppbv m
 RT: 6.87 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.6	28.0
50	18.4	15.0	22.4

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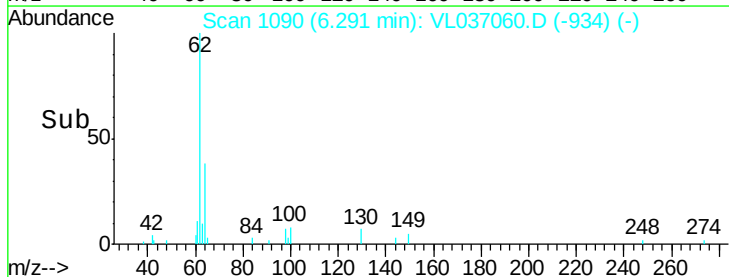
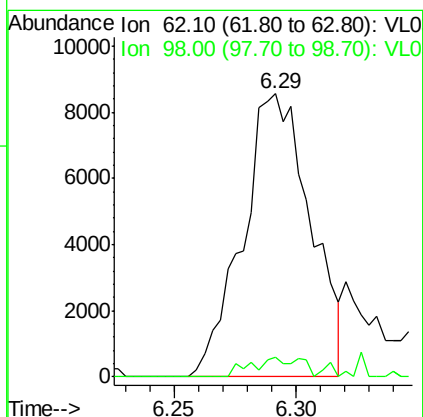
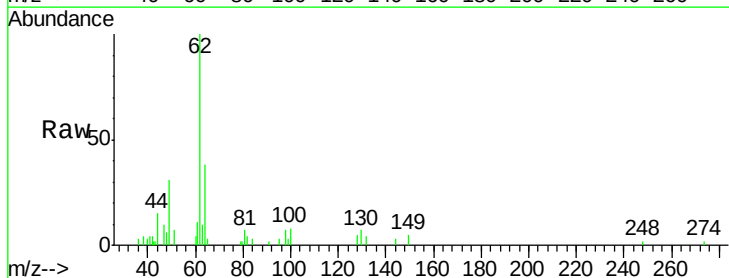


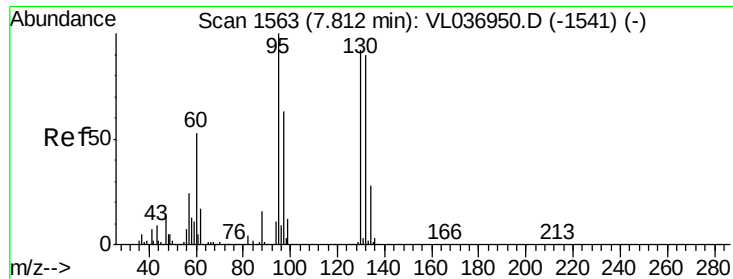
#37

1,2-Dichloroethane

Concen: 0.117 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.5	8.3#





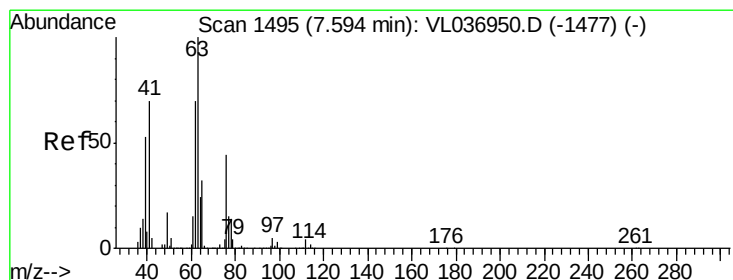
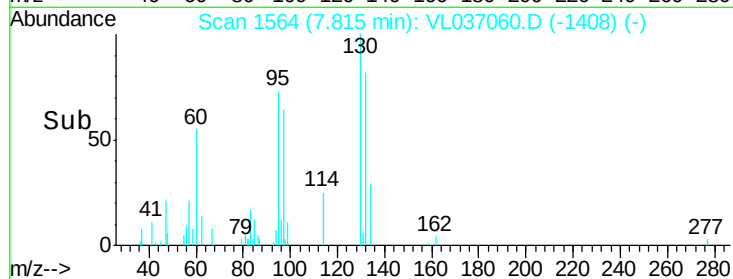
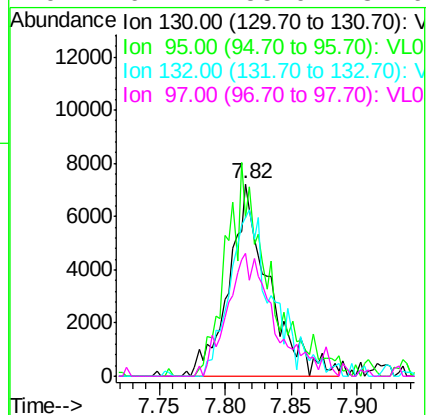
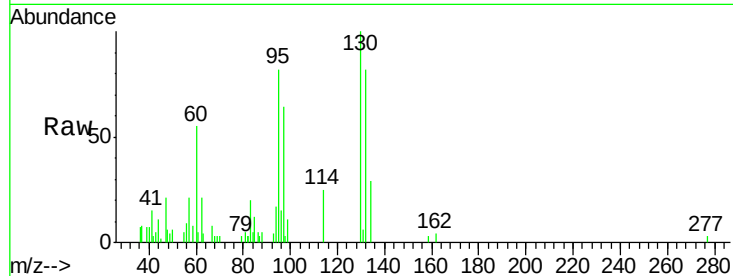
#38
 Trichloroethene
 Concen: 0.125 ppbv m
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
130	100		
95	82.2	86.9	130.3#
132	82.5	78.4	117.6
97	64.2	55.0	82.6

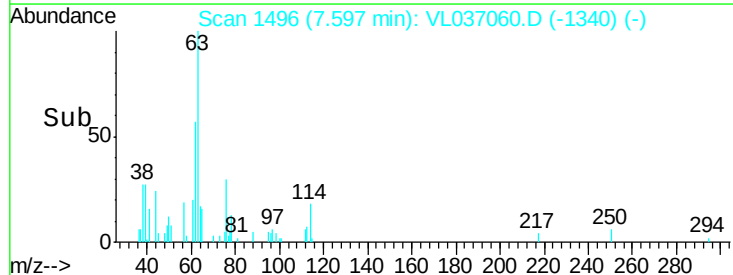
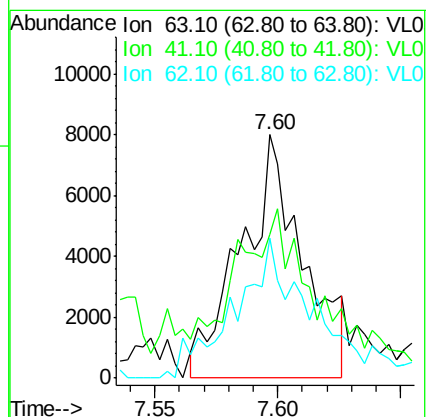
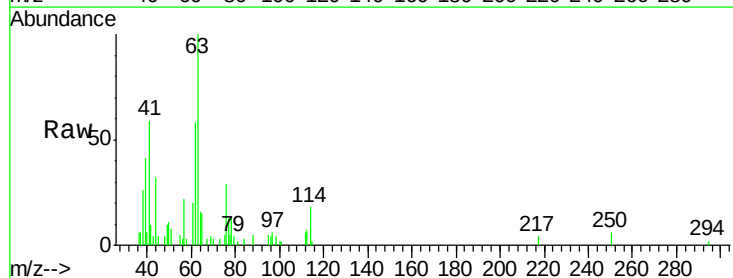
Manual Integrations
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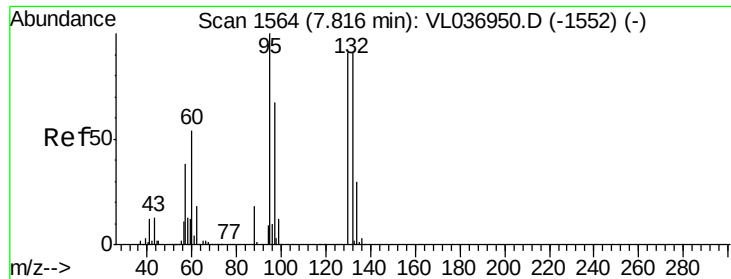
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#39
 1,2-Dichloropropane
 Concen: 0.127 ppbv m
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Lower	Upper
63	100		
41	59.2	55.7	83.5
62	57.5	56.2	84.4





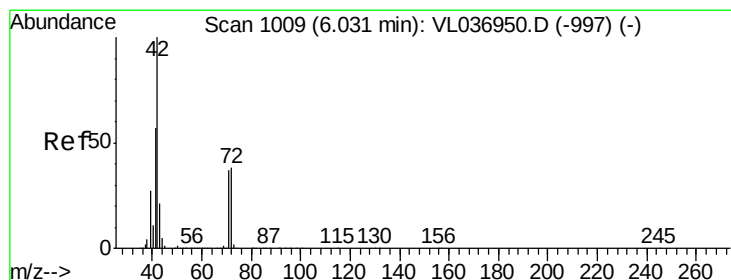
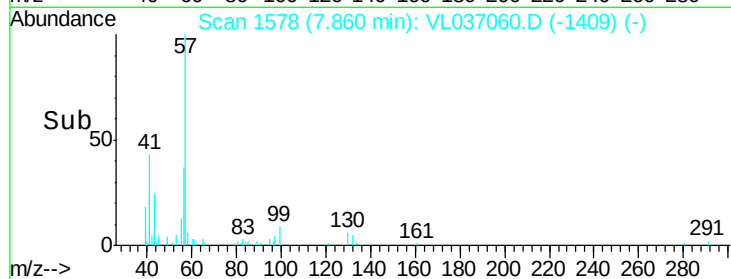
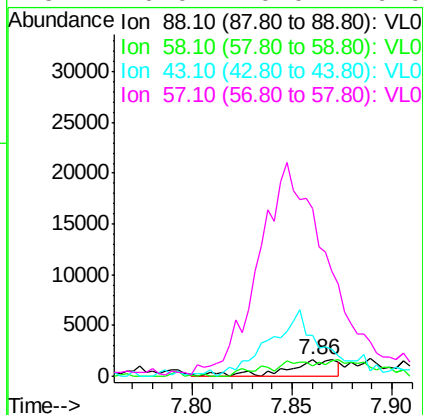
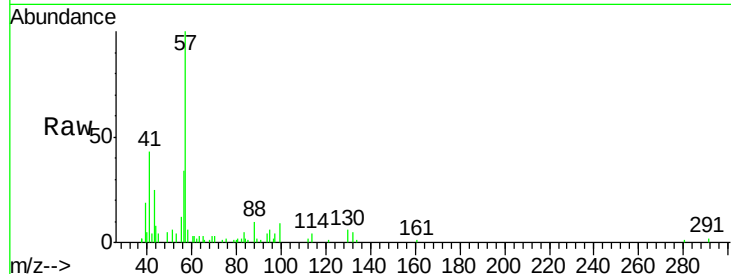
#40
 1,4-Dioxane
 Concen: 0.111 ppbv m
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.04 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	2877		
58	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0

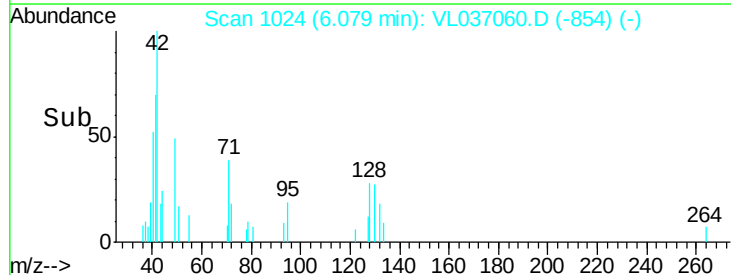
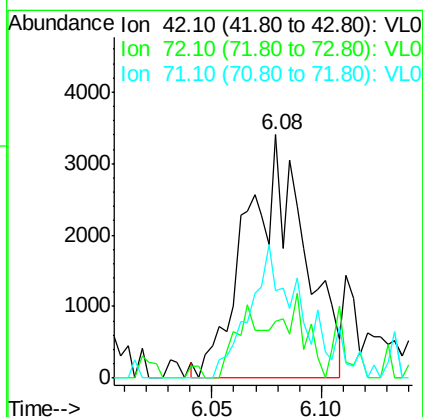
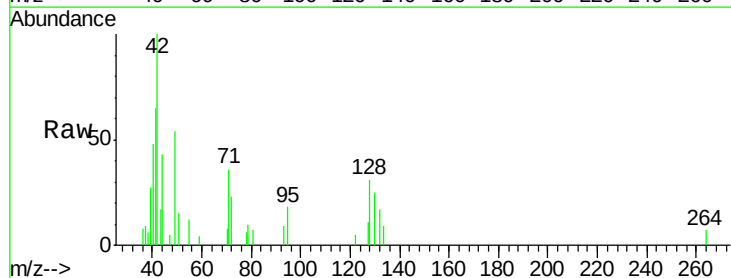
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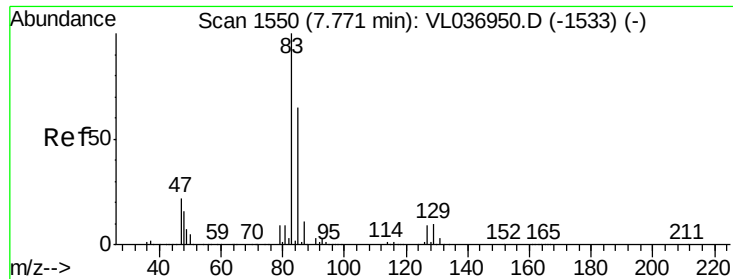
MMDadoda
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#41
 Tetrahydrofuran
 Concen: 0.091 ppbv m
 RT: 6.08 min Scan# 1024
 Delta R.T. 0.05 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	6238		
72	0.0	31.4	47.2#	
71	0.0	30.4	45.6#	





#42

Bromodichloromethane

Concen: 0.093 ppbv m

RT: 7.77 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

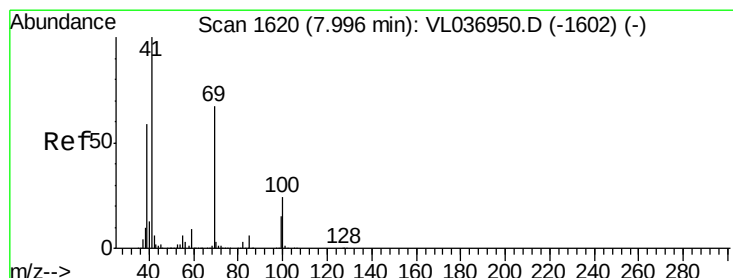
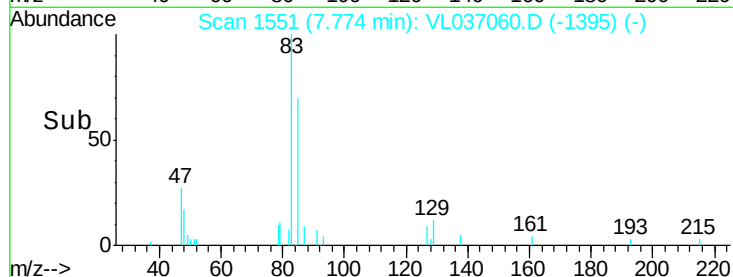
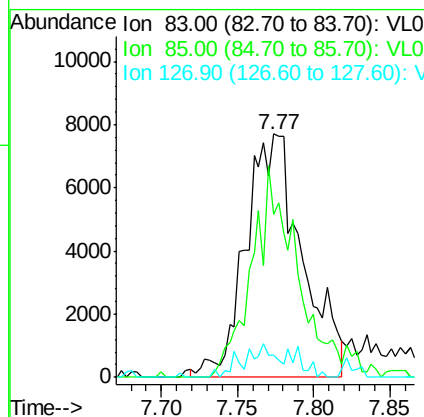
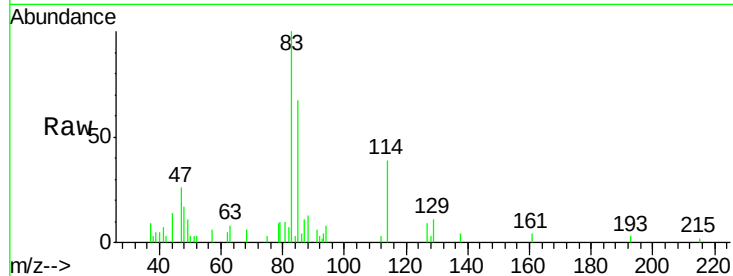
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	83	Resp:	19914
Ion Ratio	Lower	Upper	
83	100		
85	66.8	51.7	77.5
127	8.9	6.9	10.3

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5/27/2021 10:31:34 AM



#43

Methyl Methacrylate

Concen: 0.086 ppbv m

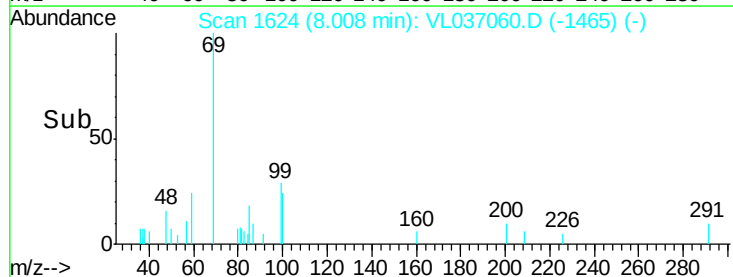
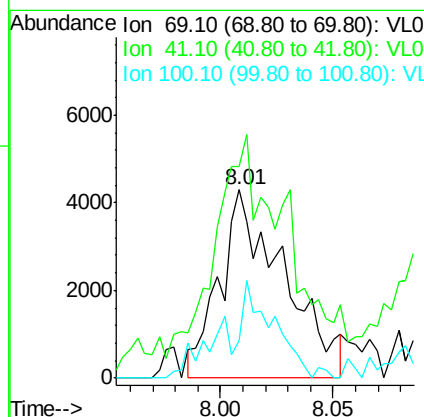
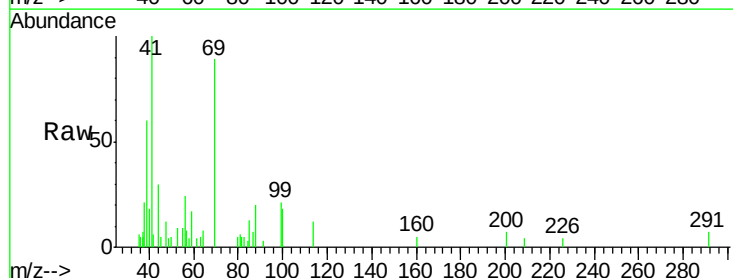
RT: 8.01 min Scan# 1624

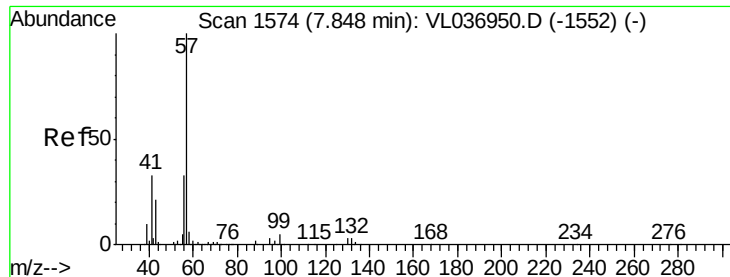
Delta R.T. 0.01 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Tgt Ion:	69	Resp:	8446
Ion Ratio	Lower	Upper	
69	100		
41	0.0	118.6	178.0#
100	0.0	28.2	42.4#





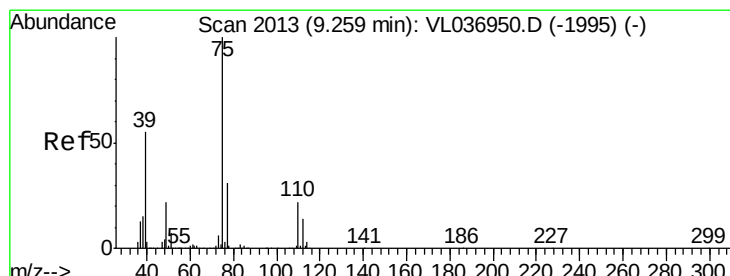
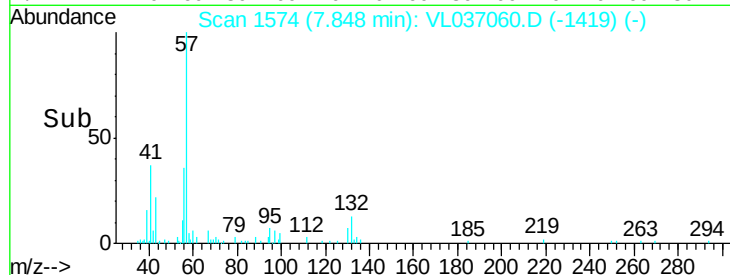
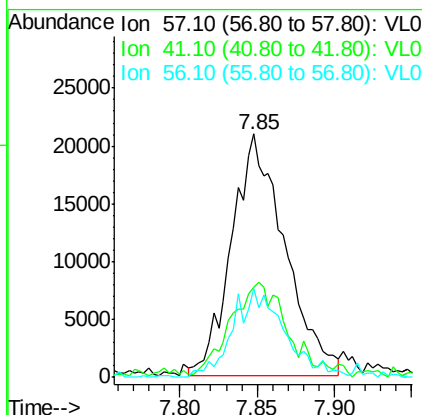
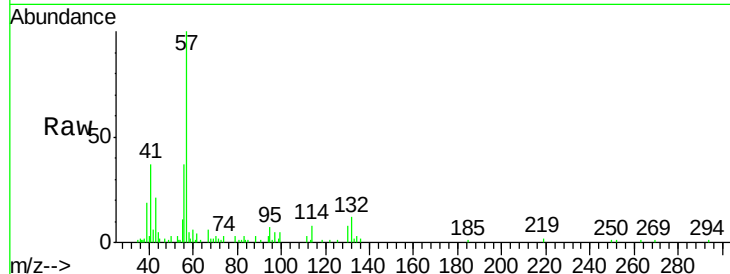
#44
 2,2,4-Trimethylpentane
 Concen: 0.102 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
57	100		
41	45.8	27.0	40.4#
56	35.9	25.4	38.2

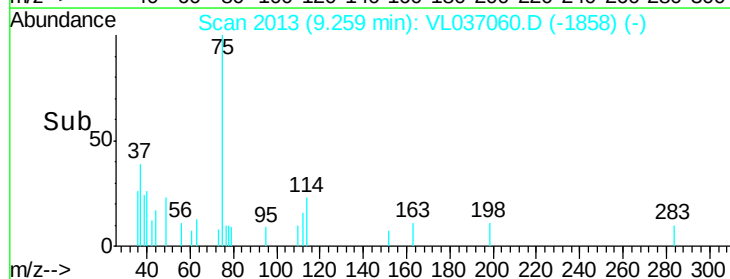
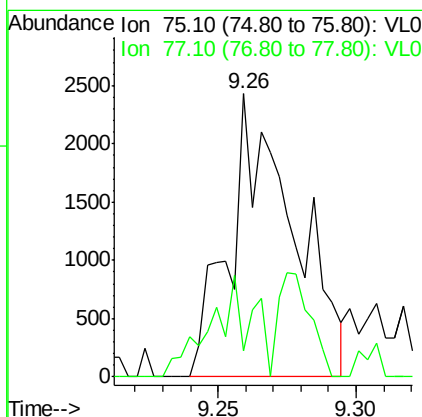
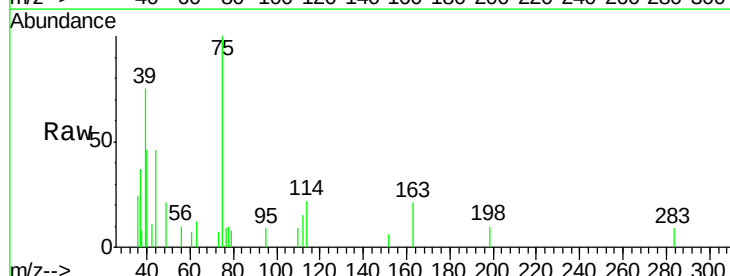
Manual Integrations
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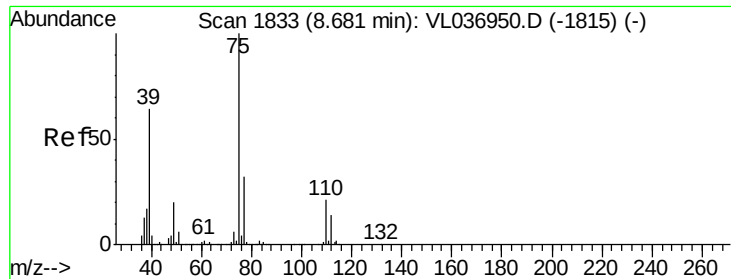
MMDadoda
 5/27/2021 10:31:34 AM



#45
 t-1,3-Dichloropropene
 Concen: 0.052 ppbv m
 RT: 9.26 min Scan# 2013
 Delta R.T. -0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	9.4	24.4	36.6#





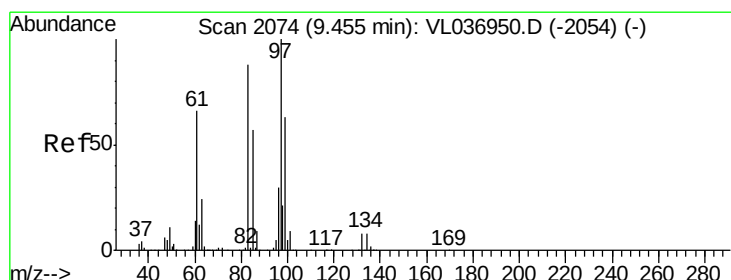
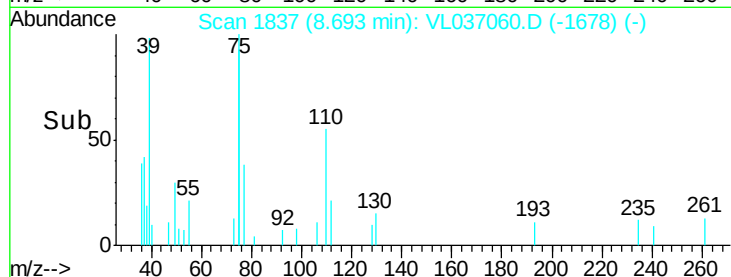
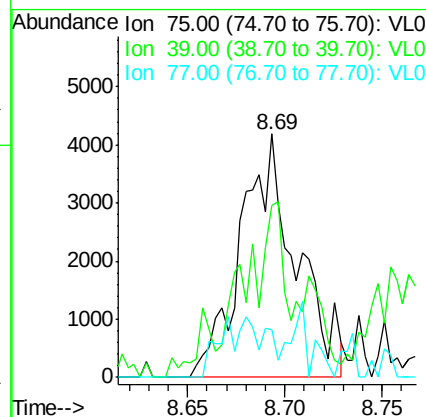
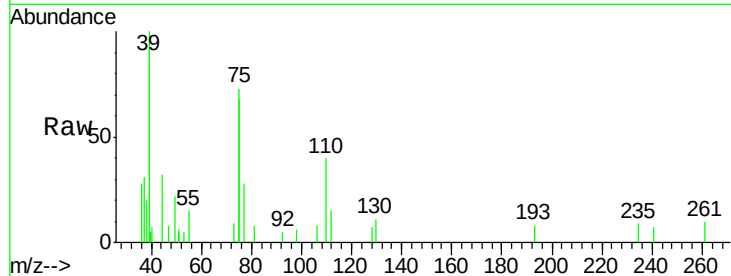
#46
 cis-1,3-Dichloropropene
 Concen: 0.082 ppbv m
 RT: 8.69 min Scan# 1837
 Delta R.T. 0.01 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
75	100		
39	136.3	51.5	77.3#
77	38.1	25.9	38.9

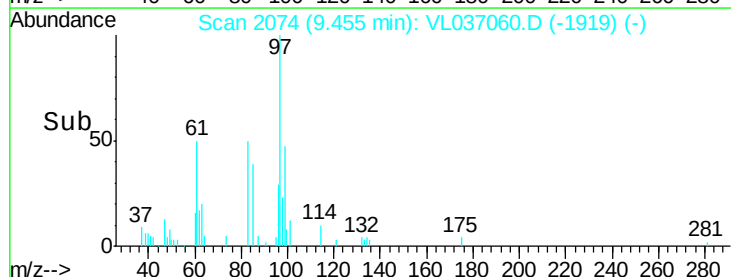
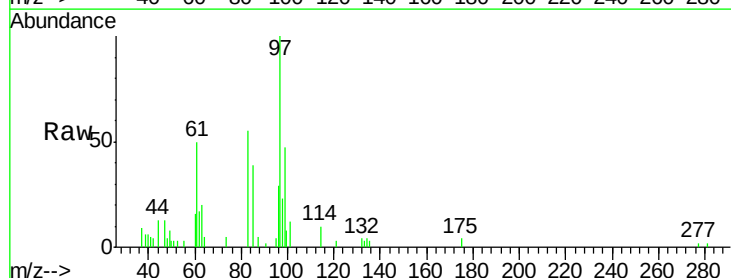
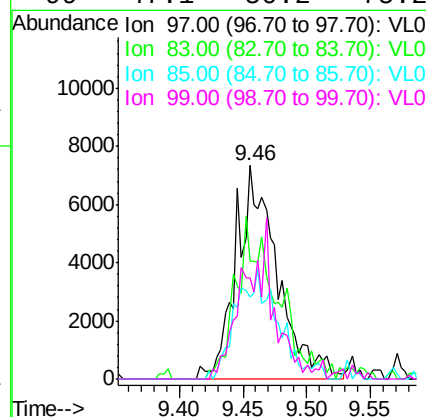
Manual Integrations
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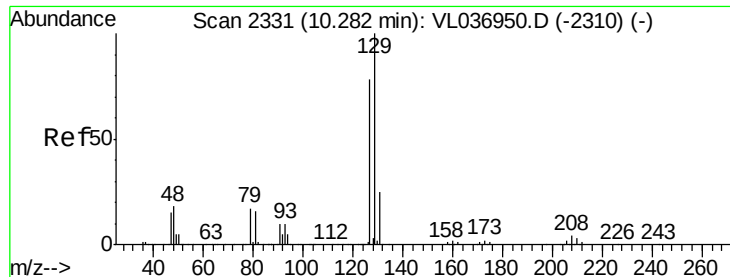
MMDadoda
 5/27/2021 10:31:34 AM



#47
 1,1,2-Trichloroethane
 Concen: 0.144 ppbv m
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	55.0	70.4	105.6#
85	38.6	45.5	68.3#
99	47.1	50.2	75.2#





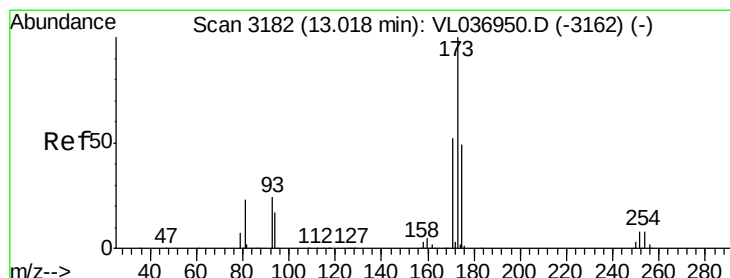
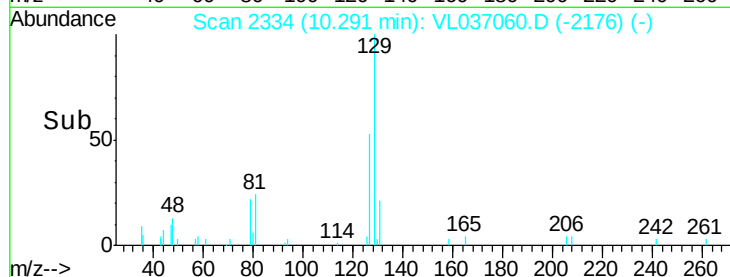
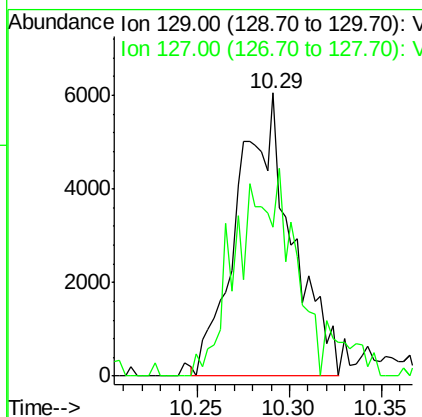
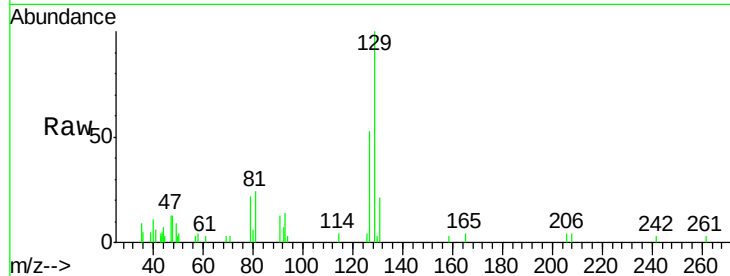
#48
Dibromochloromethane
Concen: 0.067 ppbv m
RT: 10.29 min Scan# 2334
Delta R.T. 0.01 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion:129 Resp: 12439
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

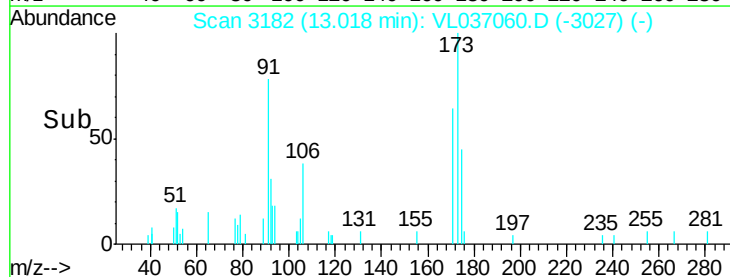
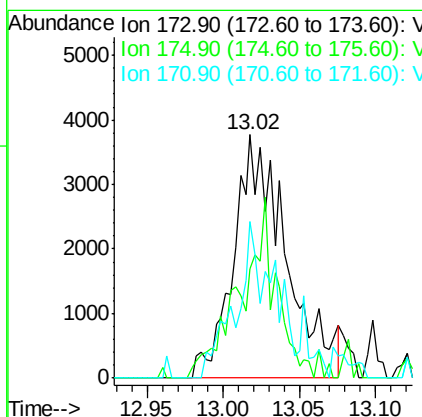
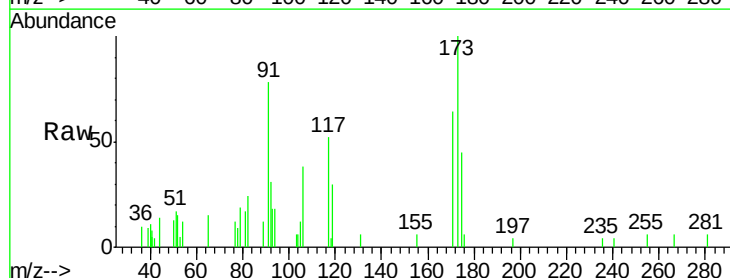
Manual Integrations
APPROVED

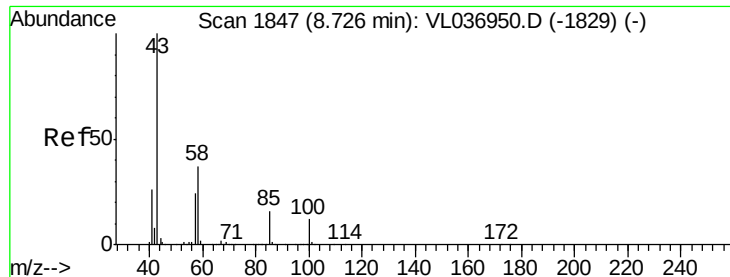
MMDadoda
5/27/2021 10:31:34 AM



#49
Bromoform
Concen: 0.059 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion:173 Resp: 9007
Ion Ratio Lower Upper
173 100
175 0.0 40.4 60.6#
171 57.1 42.6 64.0





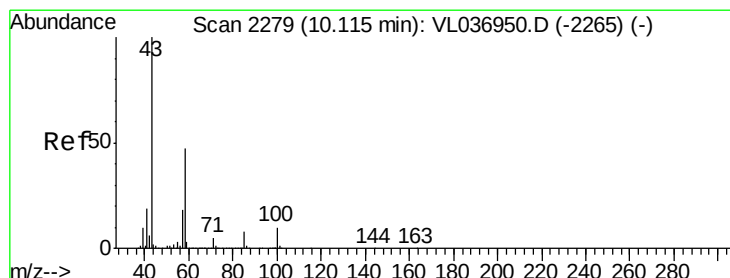
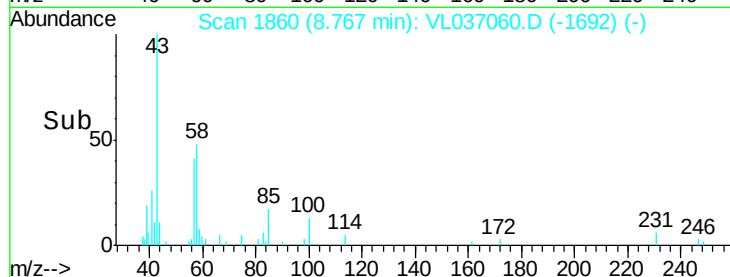
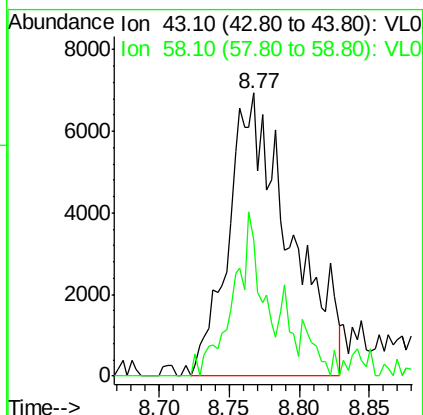
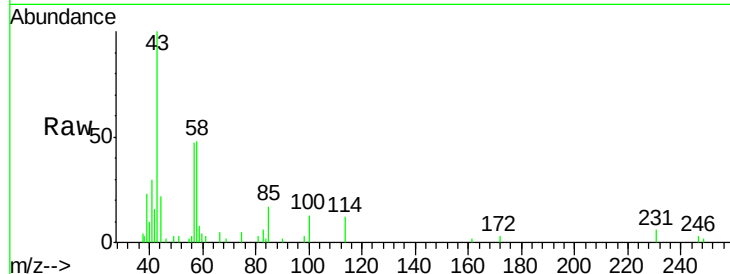
#50
4-Methyl-2-Pentanone
Concen: 0.107 ppbv m
RT: 8.77 min Scan# 1860
Delta R.T. 0.04 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion: 43 Resp: 21189
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#

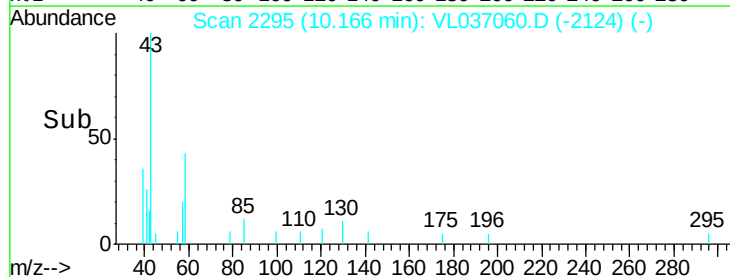
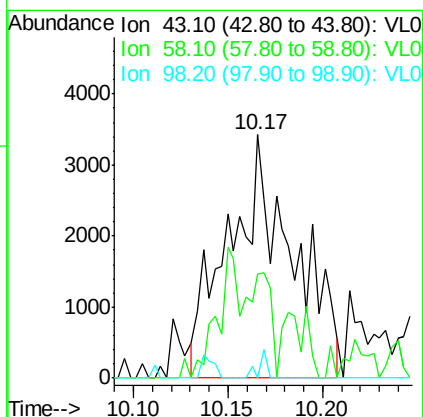
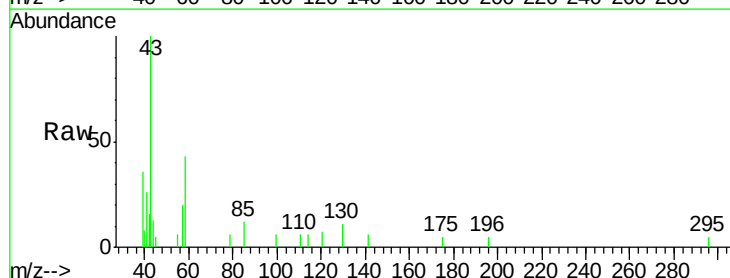
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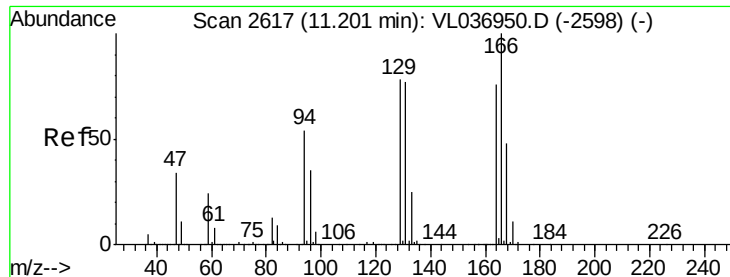
MMDadoda
5/27/2021 10:31:34 AM



#51
2-Hexanone
Concen: 0.077 ppbv m
RT: 10.17 min Scan# 2295
Delta R.T. 0.05 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion: 43 Resp: 8067
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.132 ppbv m

RT: 11.21 min Scan# 2619

Delta R.T. 0.01 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 164 Resp: 14929

Ion Ratio Lower Upper

164 100

166 104.9 105.5 158.3#

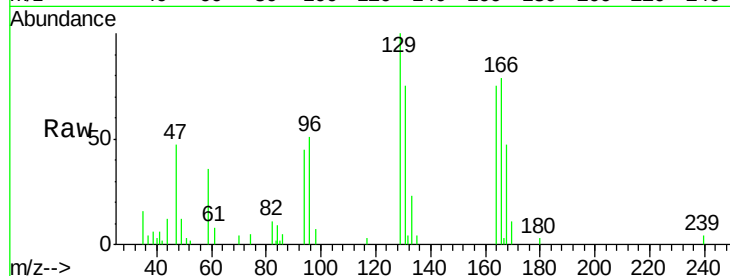
129 132.9 81.8 122.8#

131 99.6 81.2 121.8

Manual Integrations
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MMDadoda

5/27/2021 10:31:34 AM

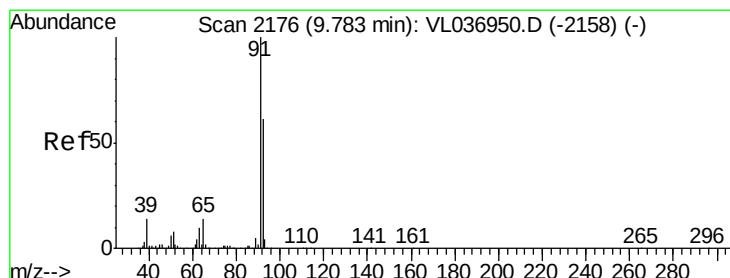
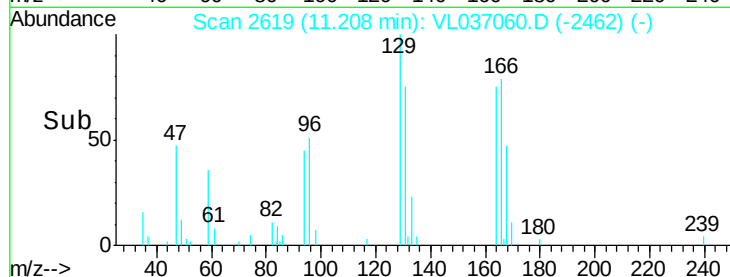
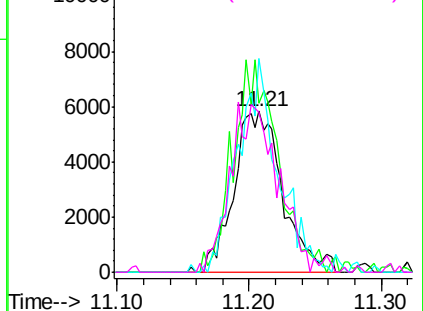


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.104 ppbv m

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037060.D

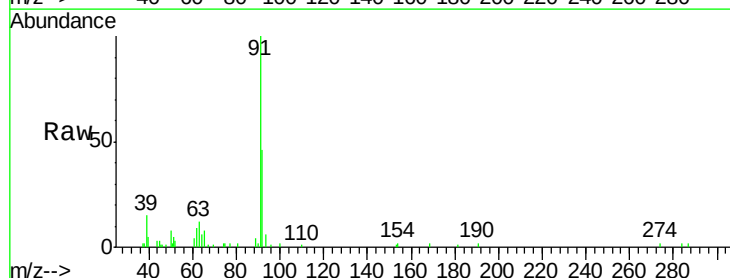
Acq: 25 May 2021 14:37

Tgt Ion: 91 Resp: 35010

Ion Ratio Lower Upper

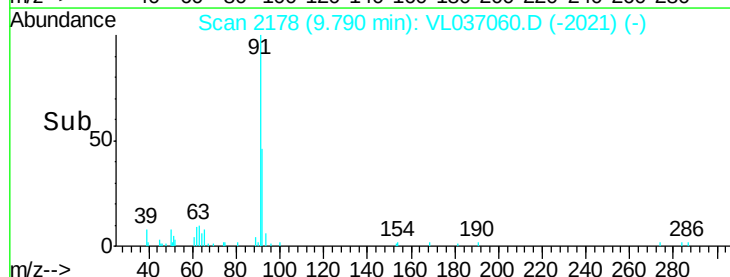
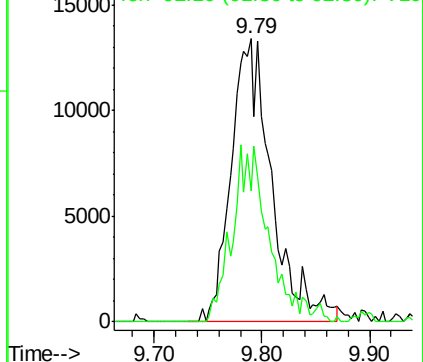
91 100

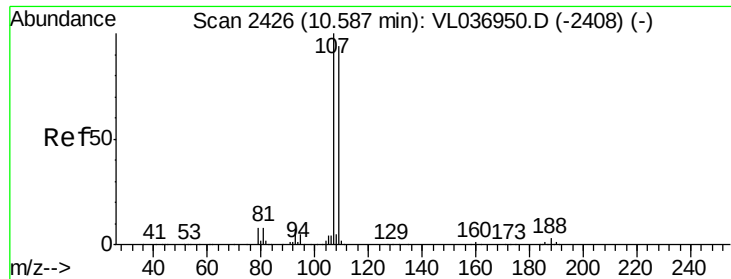
92 55.9 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





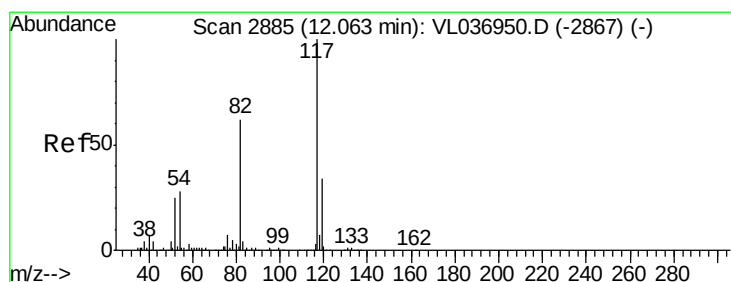
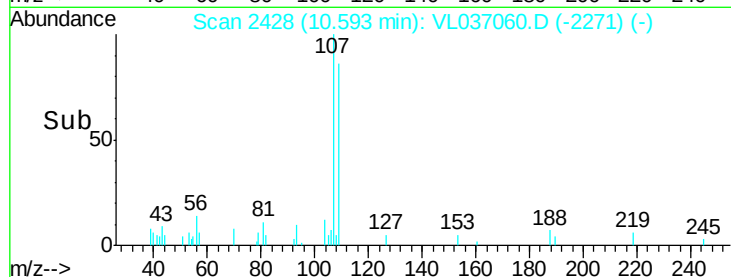
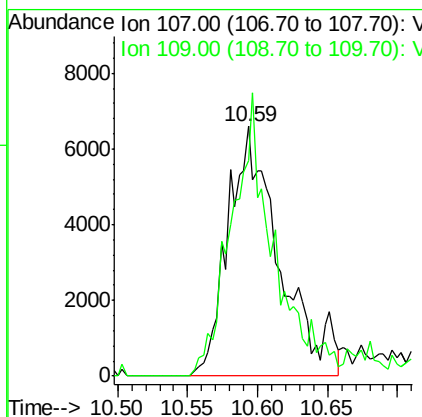
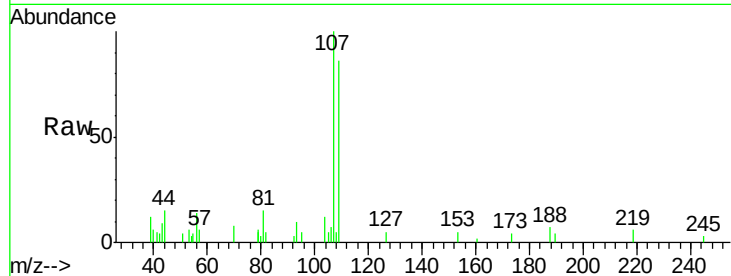
#54
1,2-Dibromoethane
Concen: 0.104 ppbv m
RT: 10.59 min Scan# 2428
Delta R.T. 0.01 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion:107 Resp: 16918
Ion Ratio Lower Upper
107 100
109 86.4 75.0 112.4

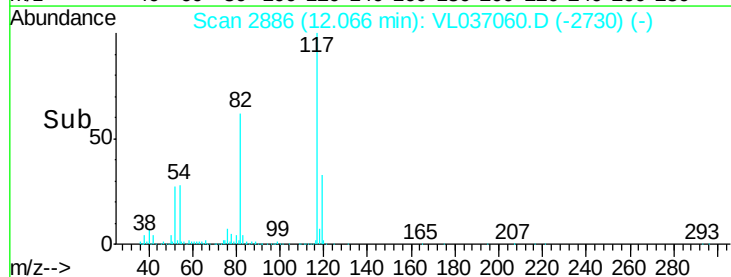
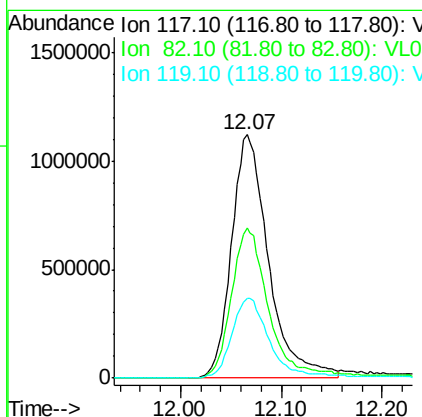
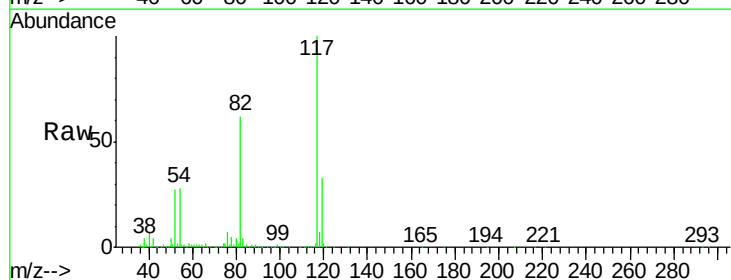
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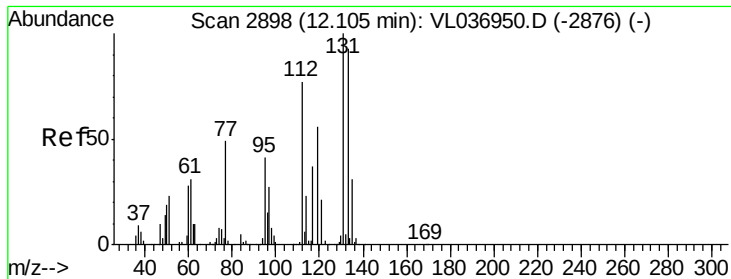
MMDadoda
5/27/2021 10:31:34 AM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion:117 Resp: 2858503
Ion Ratio Lower Upper
117 100
82 64.3 52.6 79.0
119 33.8 46.6 70.0#





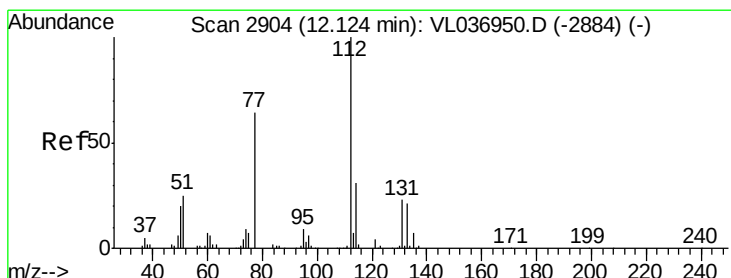
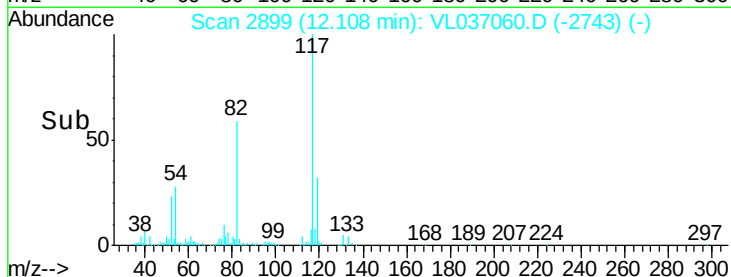
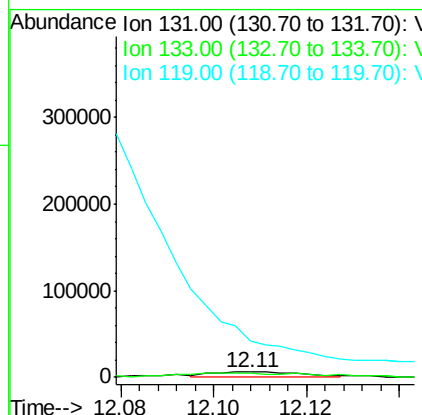
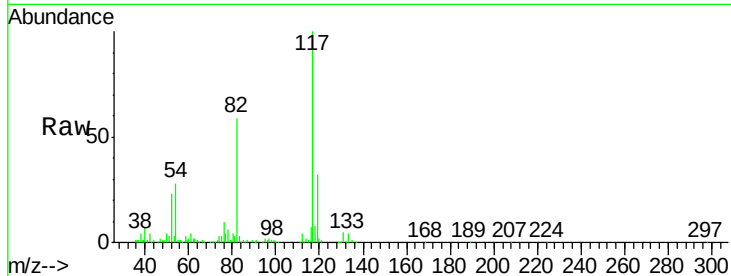
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.072 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion:131 Resp: 8623
 Ion Ratio Lower Upper
 131 100
 133 154.1 76.9 115.3#
 119 0.0 120.2 180.4#

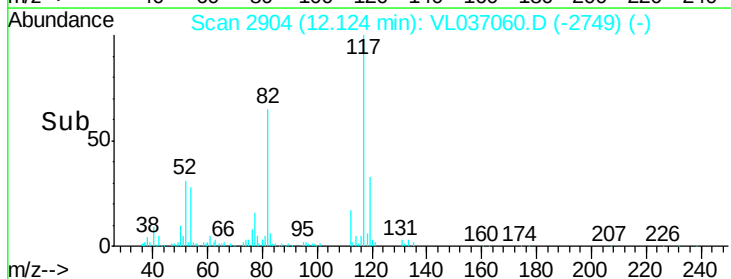
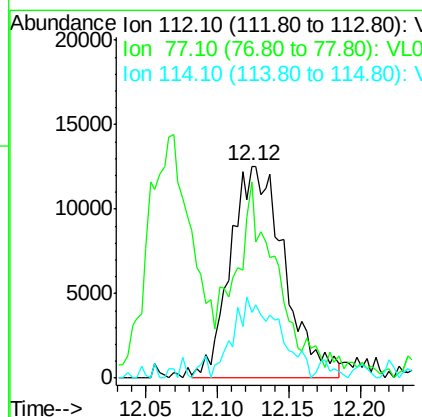
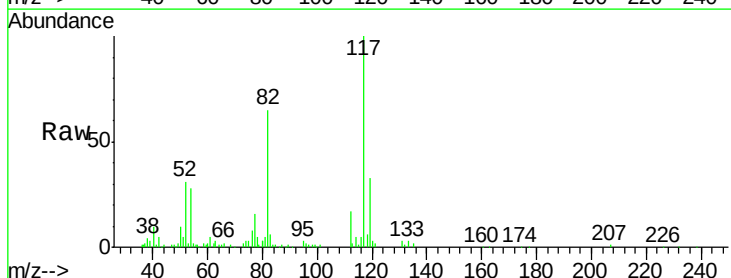
Manual Integrations
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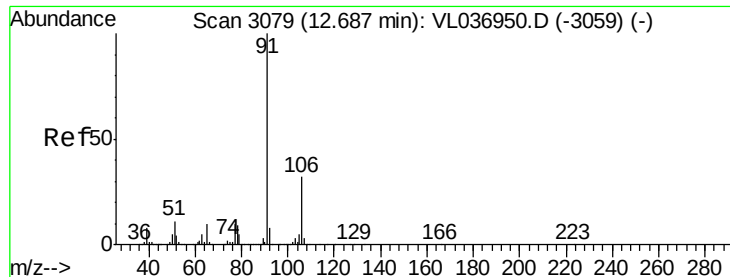
MMDadoda
 5/27/2021 10:31:34 AM



#57
 Chlorobenzene
 Concen: 0.148 ppbv m
 RT: 12.12 min Scan# 2904
 Delta R.T. -0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion:112 Resp: 32913
 Ion Ratio Lower Upper
 112 100
 77 92.6 51.0 76.6#
 114 30.8 28.3 34.5





#58

Ethyl Benzene

Concen: 0.108 ppbv m

RT: 12.70 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 91 Resp: 43498

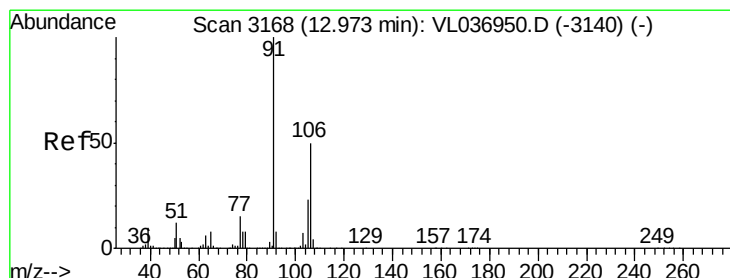
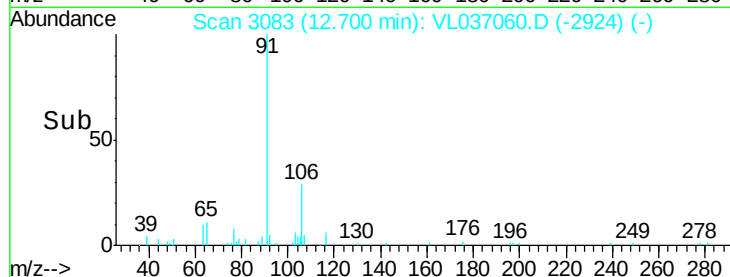
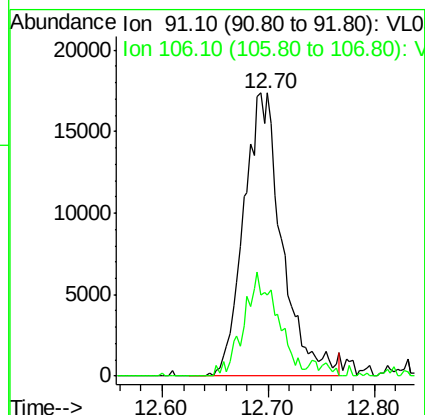
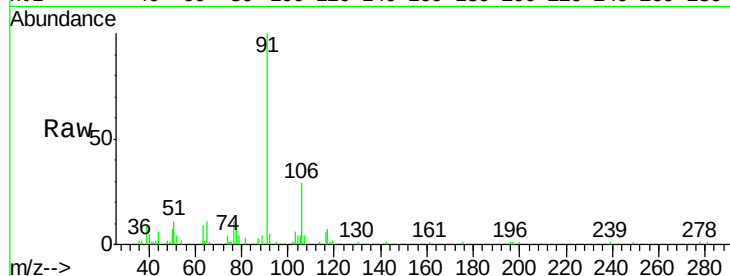
Ion Ratio Lower Upper

91 100

106 28.9 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
5/27/2021 10:31:34 AM



#59

m/p-Xylene

Concen: 0.220 ppbv m

RT: 12.98 min Scan# 3170

Delta R.T. 0.01 min

Lab File: VL037060.D

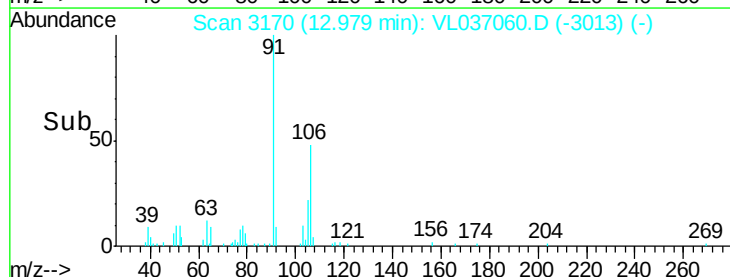
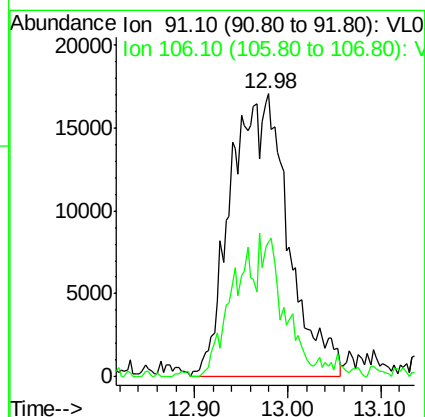
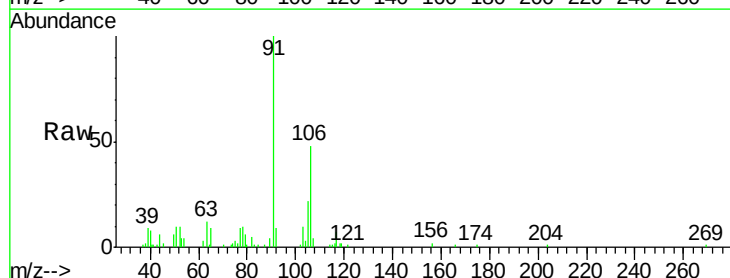
Acq: 25 May 2021 14:37

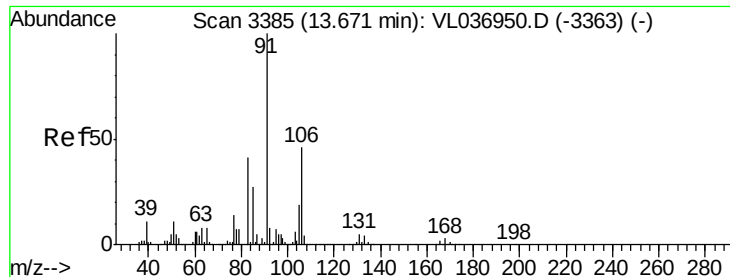
Tgt Ion: 91 Resp: 73233

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#





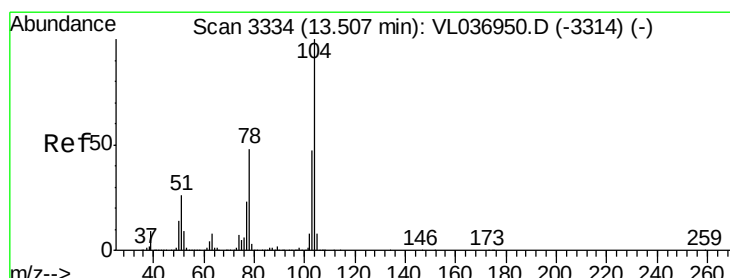
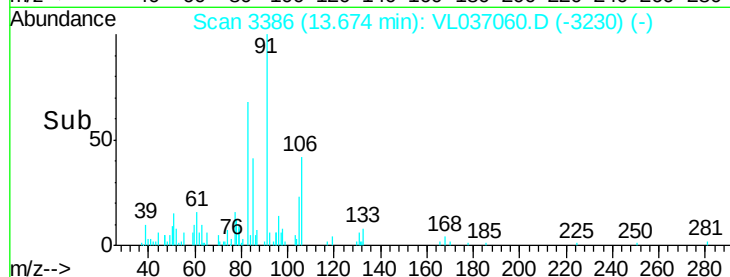
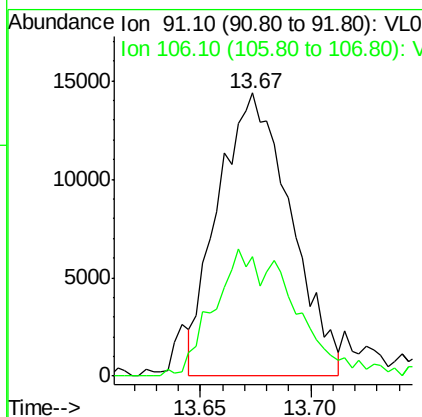
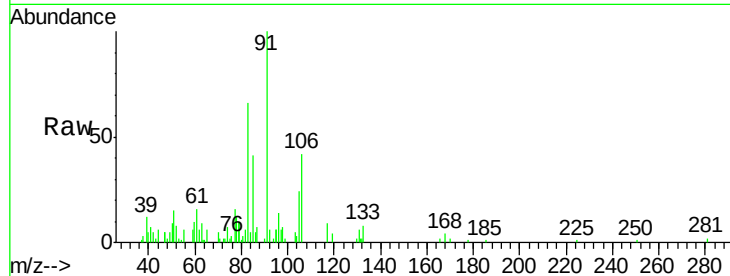
#60
o-Xylene
Concen: 0.103 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion: 91 Resp: 32744
Ion Ratio Lower Upper
91 100
106 49.6 23.4 70.3

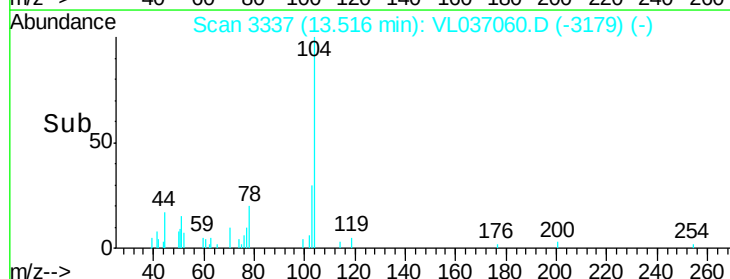
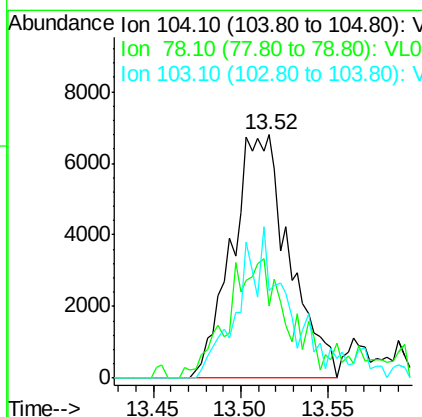
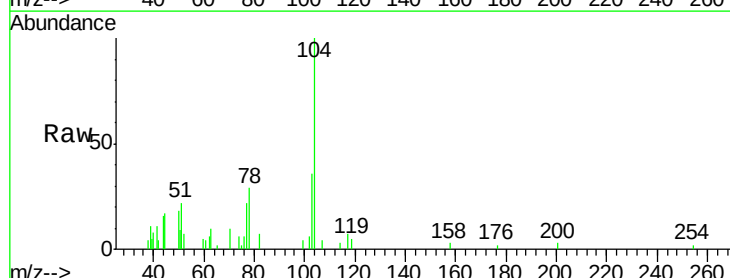
Manual Integrations
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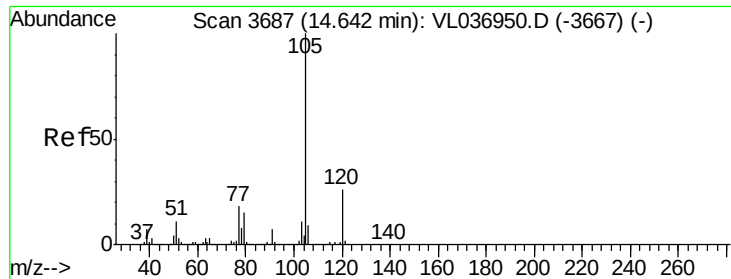
MMDadoda
5/27/2021 10:31:34 AM



#61
Styrene
Concen: 0.086 ppbv m
RT: 13.52 min Scan# 3337
Delta R.T. 0.01 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion: 104 Resp: 15481
Ion Ratio Lower Upper
104 100
78 57.0 39.0 58.6
103 57.6 38.0 57.0#





#62

Isopropylbenzene

Concen: 0.114 ppbv m

RT: 14.65 min Scan# 3690

Delta R.T. 0.01 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 105 Resp: 52190

Ion Ratio Lower Upper

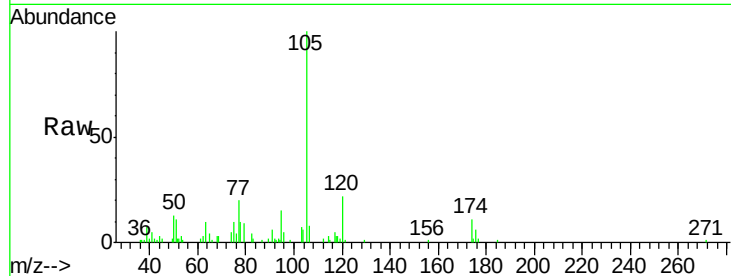
105 100

120 27.6 21.7 32.5

Manual Integrations
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MMDadoda

5/27/2021 10:31:34 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.65

25000

20000

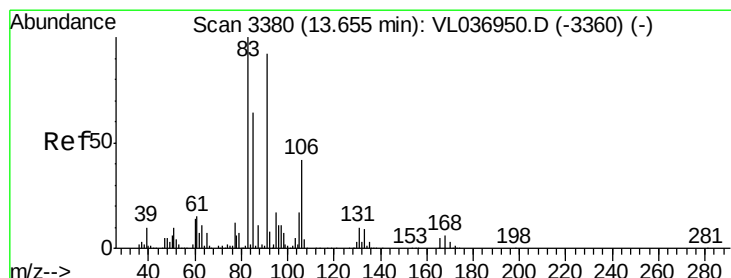
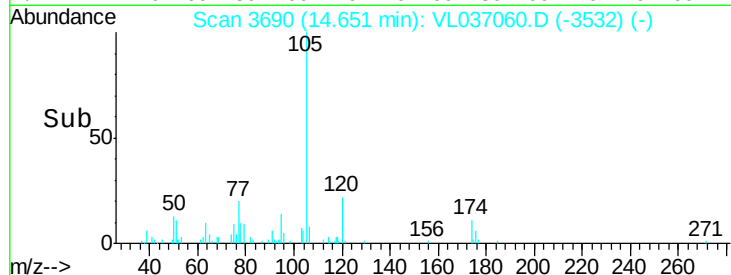
15000

10000

5000

0

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.112 ppbv m

RT: 13.67 min Scan# 3386

Delta R.T. 0.02 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

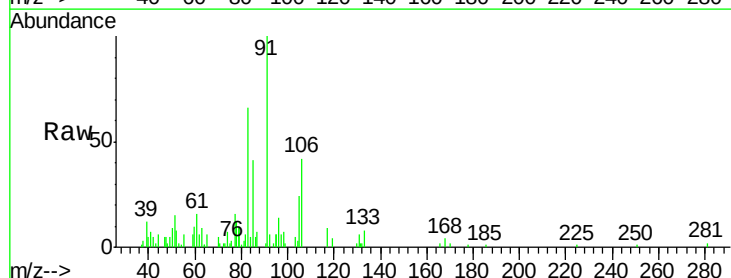
Tgt Ion: 83 Resp: 26615

Ion Ratio Lower Upper

83 100

131 11.7 5.0 15.0

85 65.1 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

13.67

12000

10000

8000

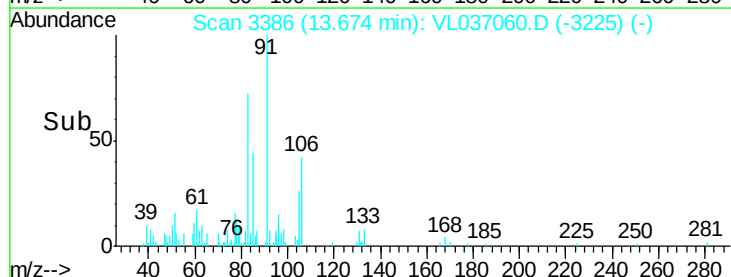
6000

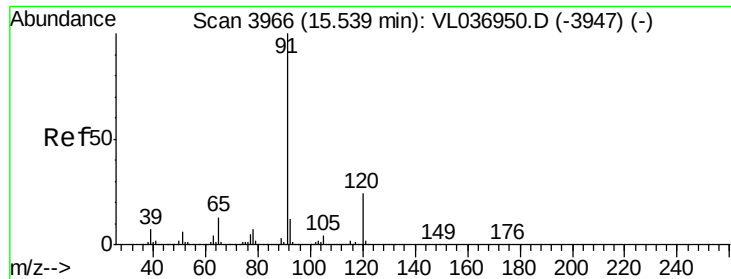
4000

2000

0

Time-->





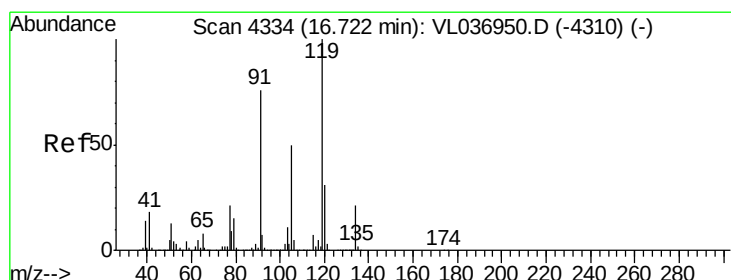
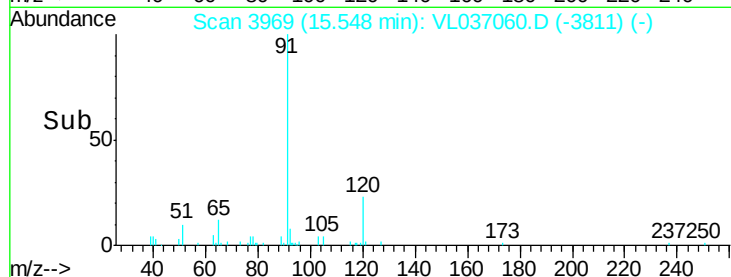
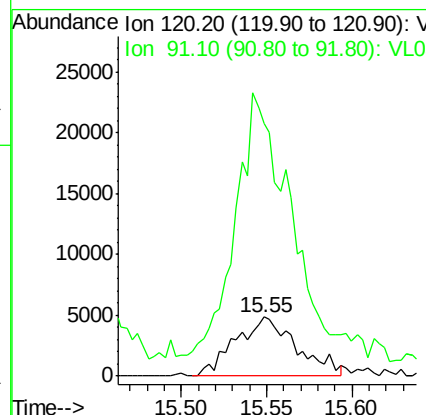
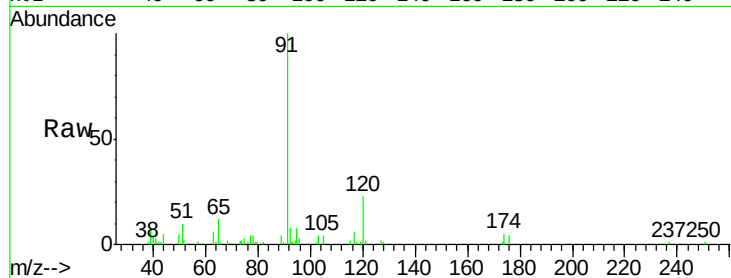
#64
n-propylbenzene
Concen: 0.103 ppbv m
RT: 15.55 min Scan# 3969
Delta R.T. 0.01 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion:120 Resp: 12139
Ion Ratio Lower Upper
120 100
91 543.3 343.8 515.6#

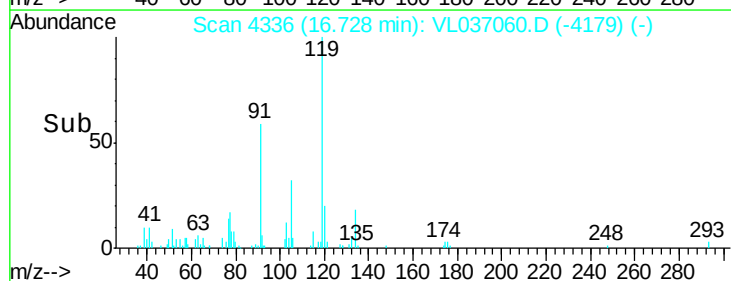
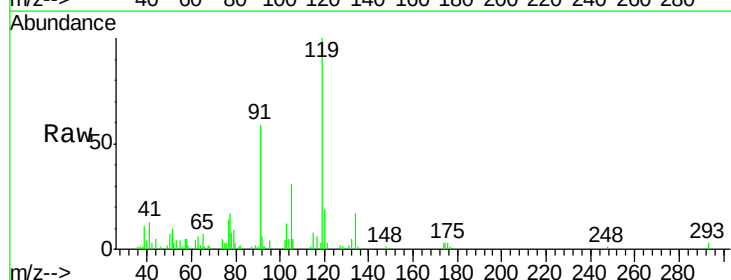
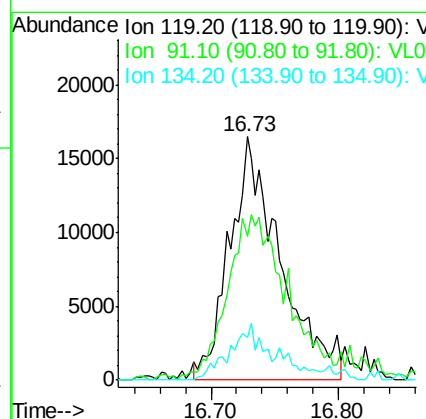
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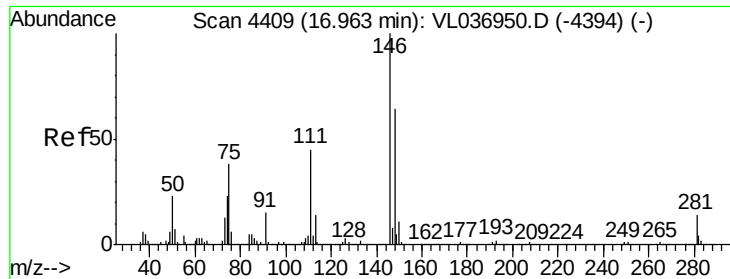
MMDadoda
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#65
tert-Butylbenzene
Concen: 0.110 ppbv m
RT: 16.73 min Scan# 4336
Delta R.T. 0.01 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion:119 Resp: 45512
Ion Ratio Lower Upper
119 100
91 88.0 61.9 92.9
134 23.0 16.2 24.4





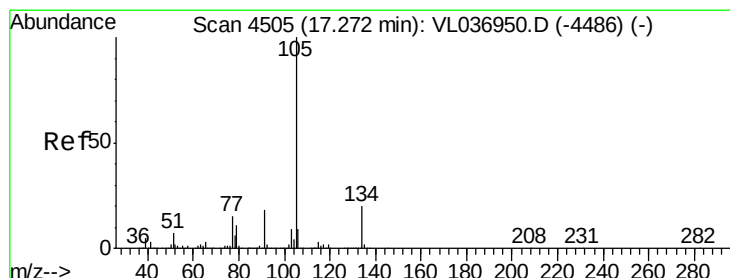
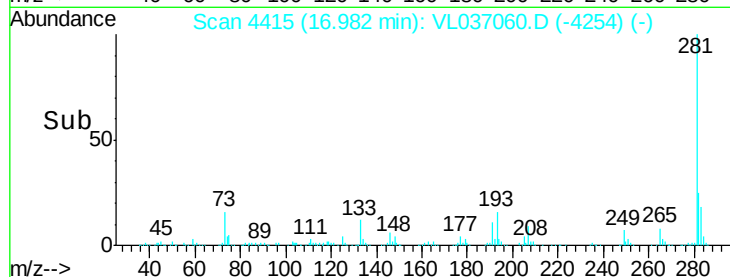
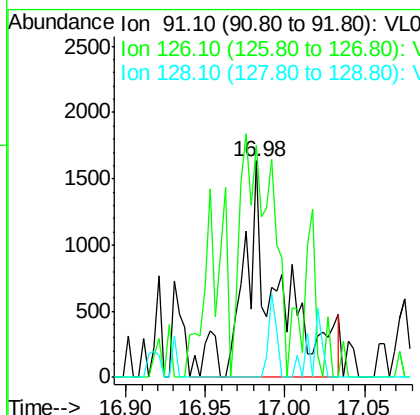
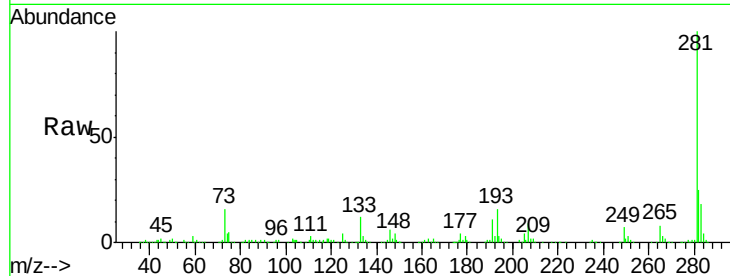
#66
Benzyl Chloride
Concen: 0.111 ppbv m
RT: 16.98 min Scan# 4415
Delta R.T. 0.02 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2543		
126	157.4	16.5	24.7#	
128	0.0	5.5	8.3#	

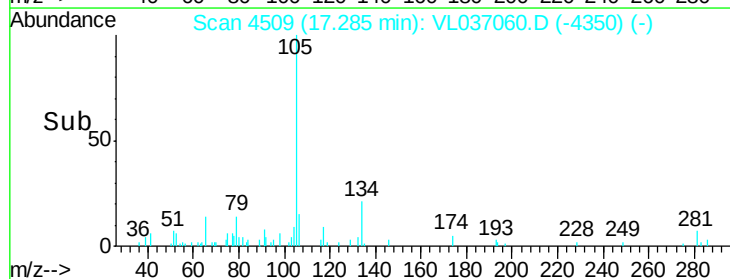
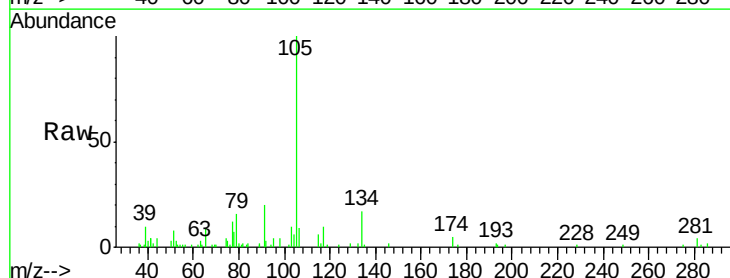
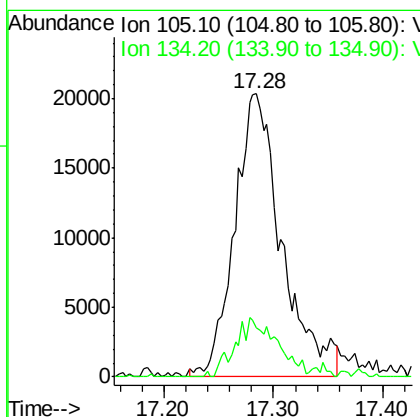
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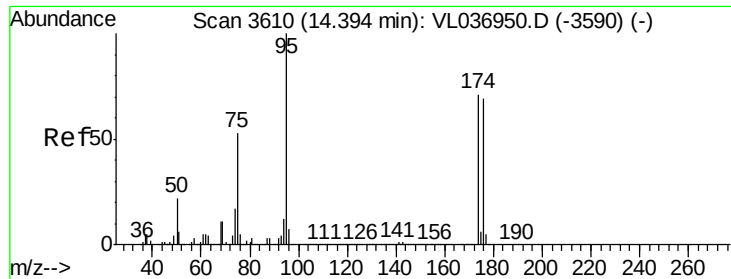
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#67
sec-Butylbenzene
Concen: 0.108 ppbv m
RT: 17.28 min Scan# 4509
Delta R.T. 0.01 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	60903		
134	20.1	15.6	23.4	





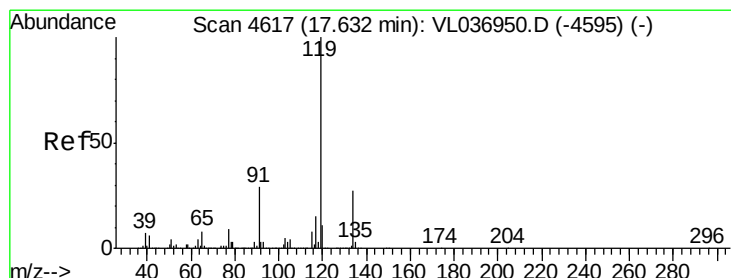
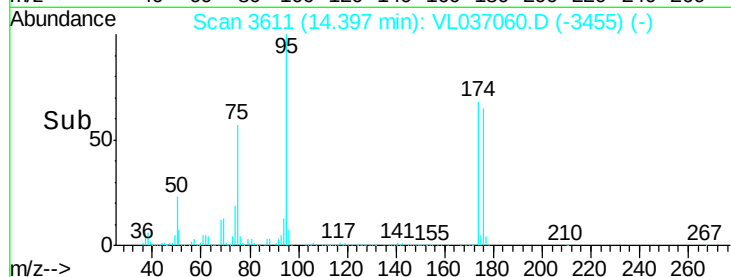
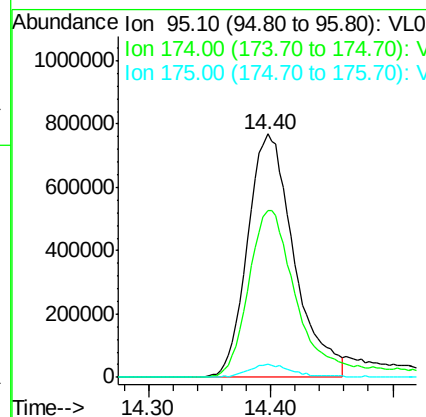
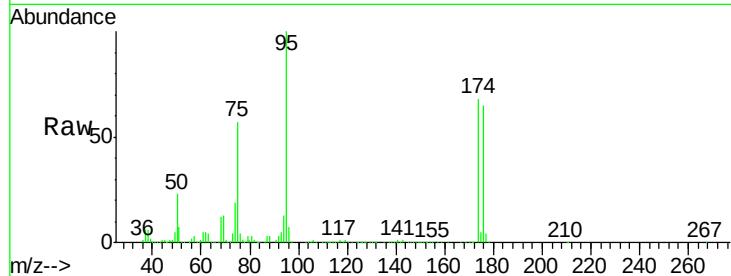
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.440 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion: 95 Resp: 2027151
 Ion Ratio Lower Upper
 95 100
 174 77.8 58.4 87.6
 175 5.7 4.4 6.6

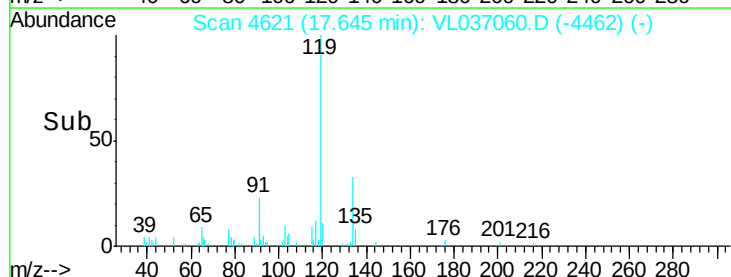
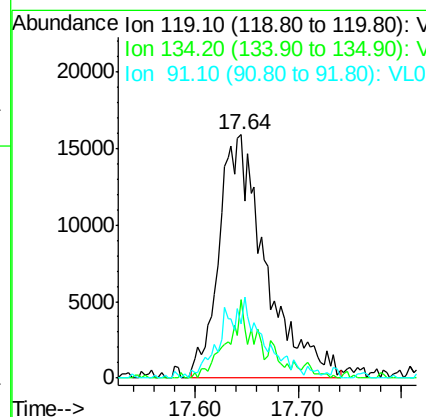
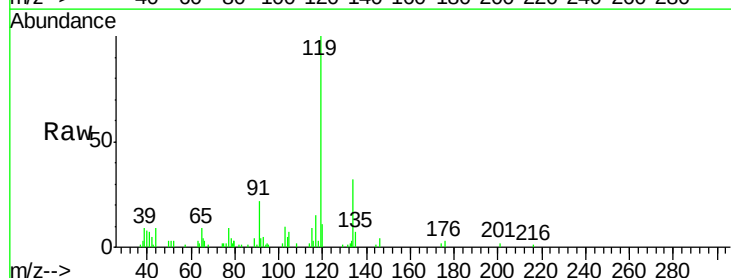
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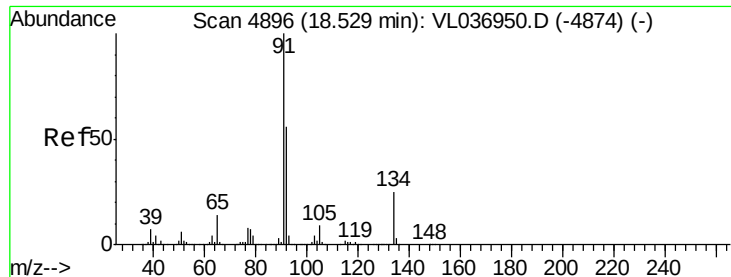
MMDadoda
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#69
 p-Isopropyltoluene
 Concen: 0.104 ppbv m
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.01 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion: 119 Resp: 50259
 Ion Ratio Lower Upper
 119 100
 134 0.0 21.2 31.8#
 91 0.0 22.2 33.4#





#70

n-Butylbenzene

Concen: 0.095 ppbv m

RT: 18.54 min Scan# 4901

Delta R.T. 0.02 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

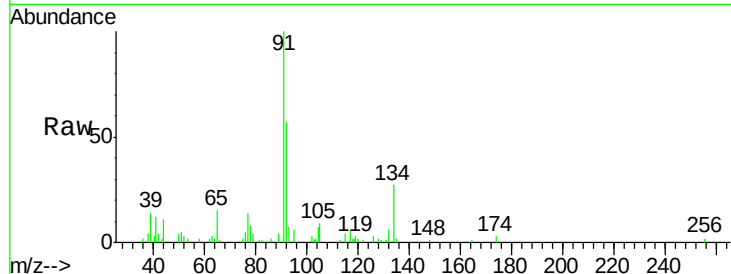
ClientSampleId :

MDL-AIR-03-QT2-2021

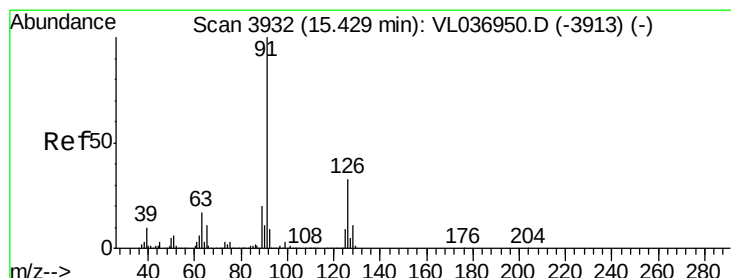
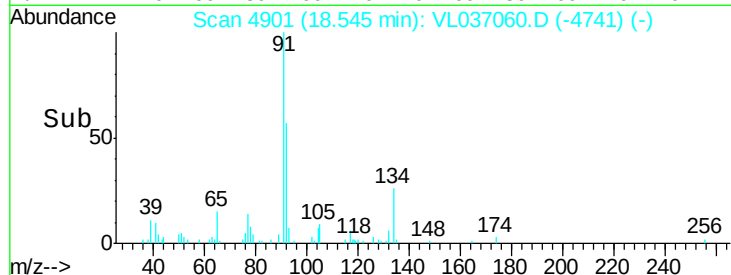
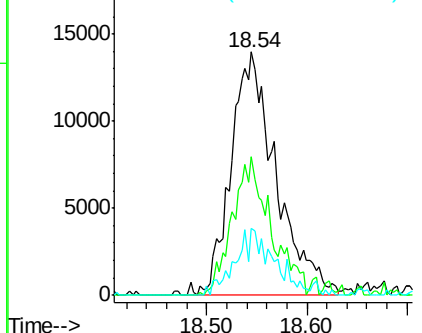
Tgt Ion:	91	Resp:	43447
Ion Ratio	Lower	Upper	
91	100		
92	0.0	44.6	66.8#
134	0.0	20.2	30.2#

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Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V



#71

2-Chlorotoluene

Concen: 0.112 ppbv m

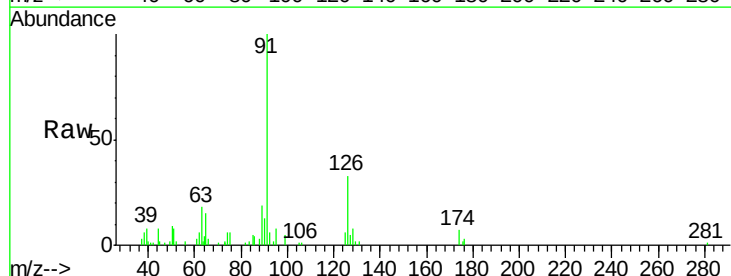
RT: 15.44 min Scan# 3935

Delta R.T. 0.01 min

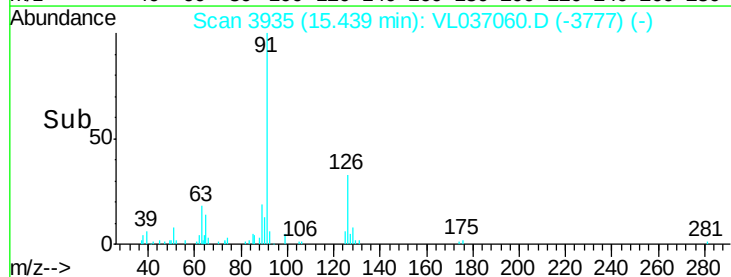
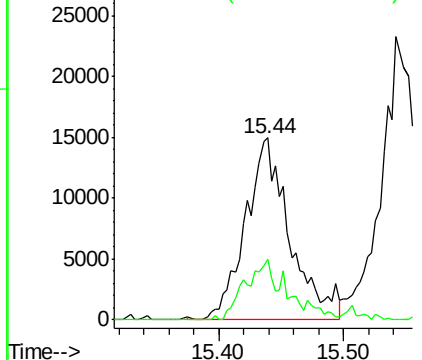
Lab File: VL037060.D

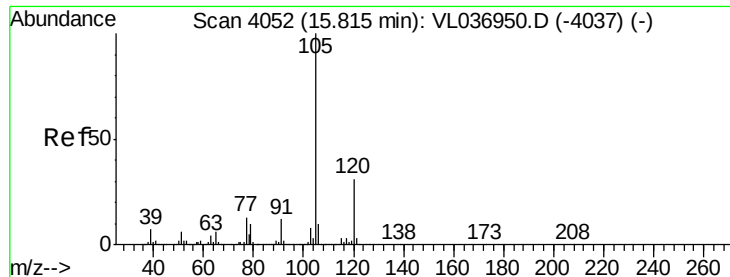
Acq: 25 May 2021 14:37

Tgt Ion:	91	Resp:	36863
Ion Ratio	Lower	Upper	
91	100		
126	31.2	13.1	52.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.099 ppbv m

RT: 15.83 min Scan# 4056

Delta R.T. 0.01 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

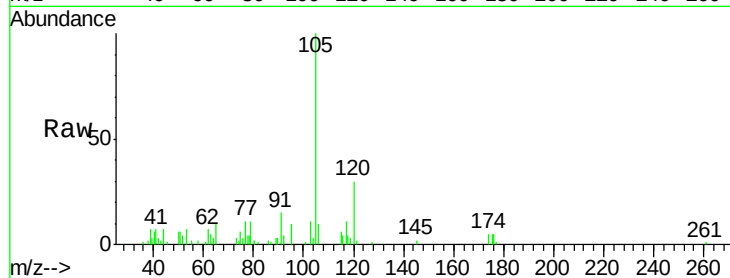
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	105	Resp:	37318
Ion Ratio	Lower	Upper	
105	100		
120	27.8	24.6	37.0
91	21.6	9.8	14.6#
77	15.8	10.4	15.6#

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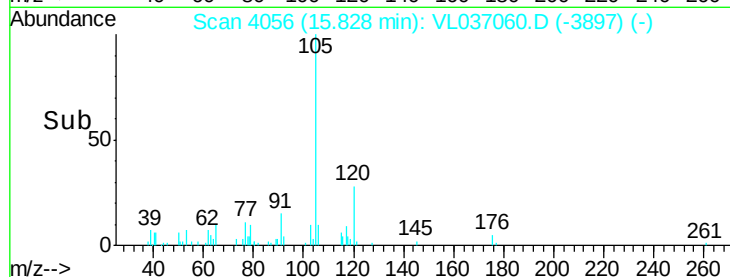
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

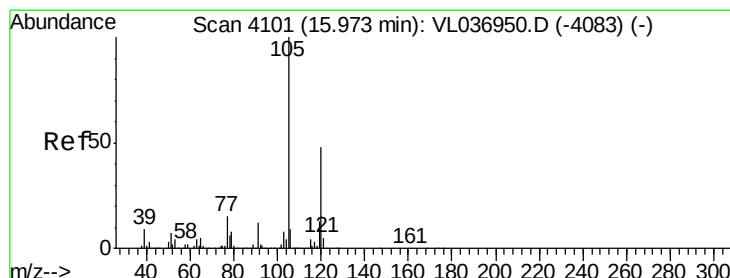
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Time-->



Time-->



#73

1,3,5-Trimethylbenzene

Concen: 0.107 ppbv m

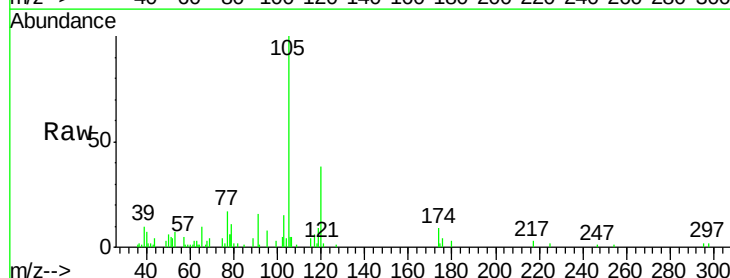
RT: 15.99 min Scan# 4106

Delta R.T. 0.02 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

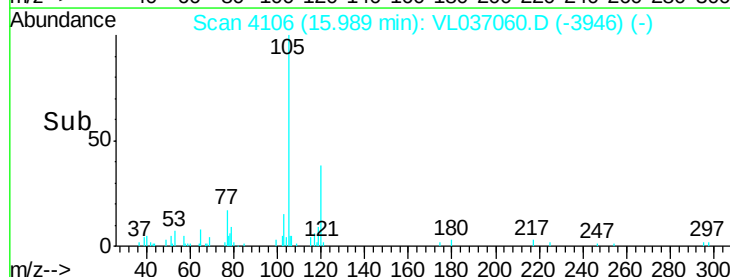
Tgt Ion:	105	Resp:	37930
Ion Ratio	Lower	Upper	
105	100		
120	37.7	38.6	58.0#



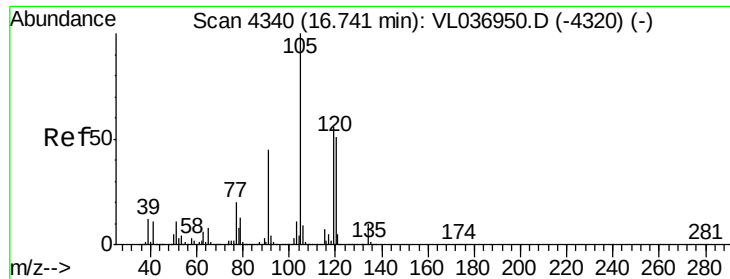
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Time-->



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.112 ppbv m

RT: 16.75 min Scan# 4343

Delta R.T. 0.01 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Instrument :

MSVOA_L

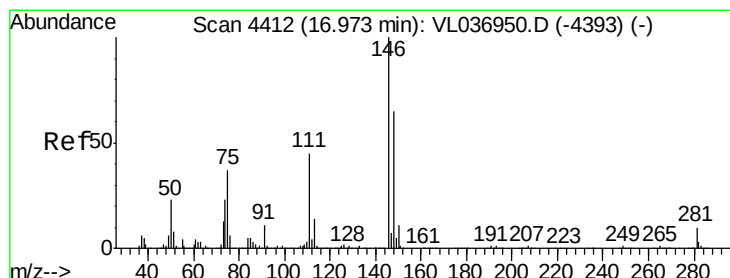
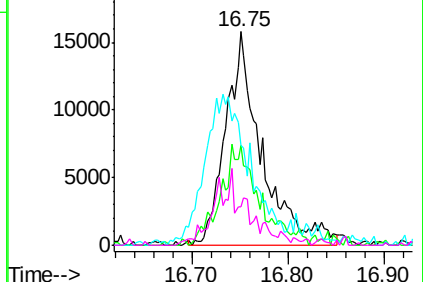
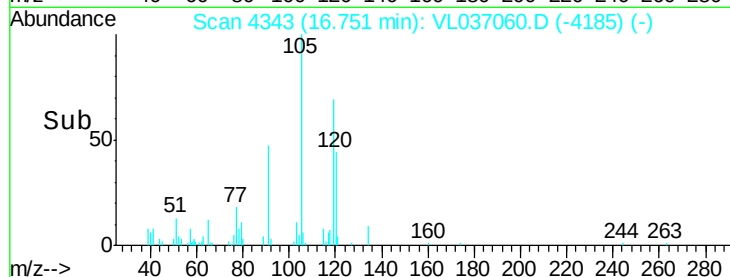
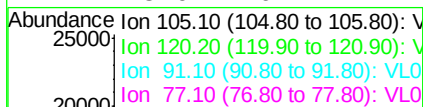
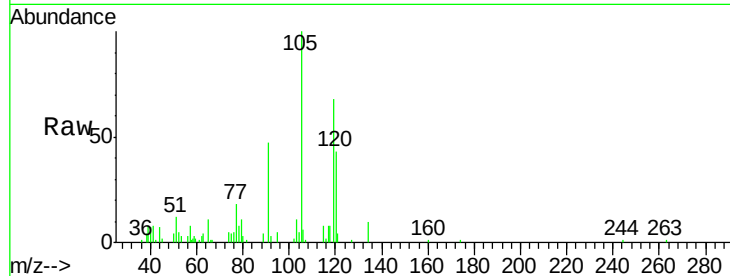
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	105	Resp:	41232
Ion Ratio	Lower	Upper	
105	100		
120	43.4	40.6	61.0
91	46.6	37.4	56.0
77	18.0	16.2	24.4

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#75

1,3-Dichlorobenzene

Concen: 0.128 ppbv m

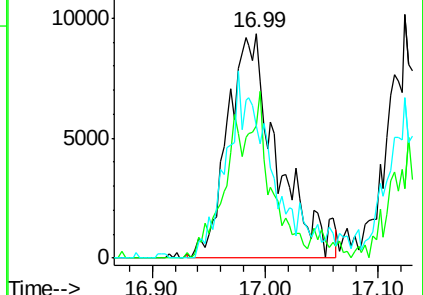
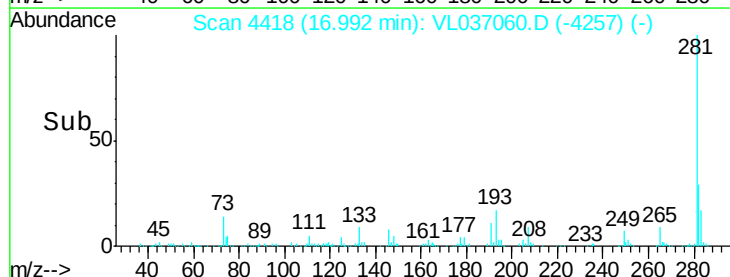
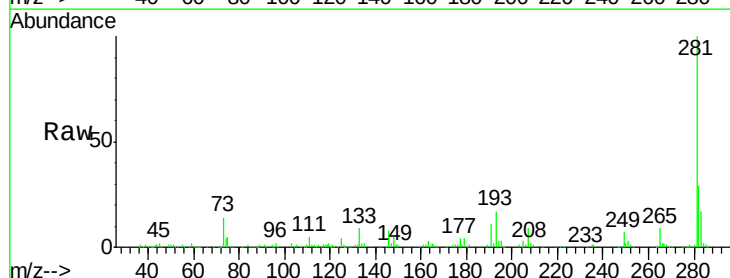
RT: 16.99 min Scan# 4418

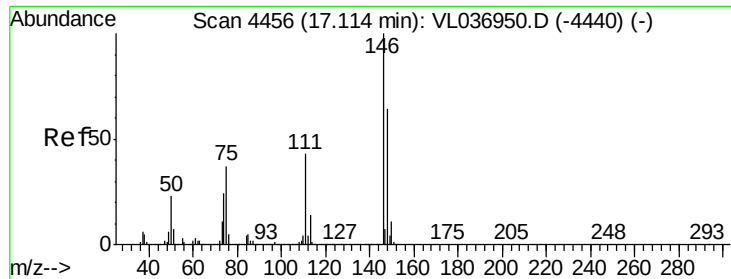
Delta R.T. 0.02 min

Lab File: VL037060.D

Acq: 25 May 2021 14:37

Tgt Ion:	146	Resp:	28678
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.2	66.6#
148	67.9	32.3	96.8





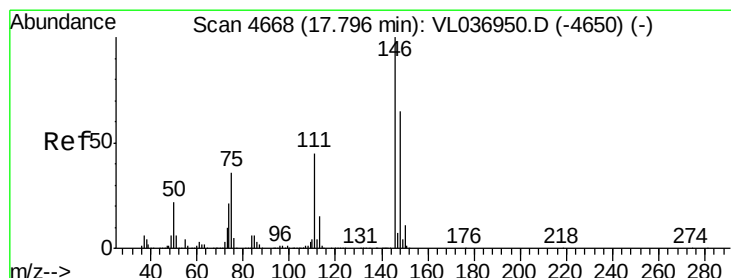
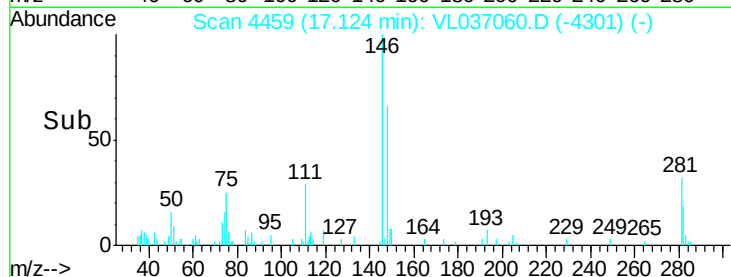
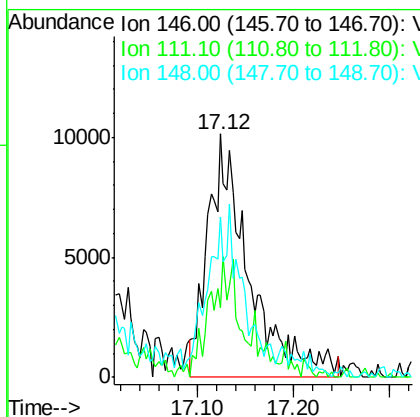
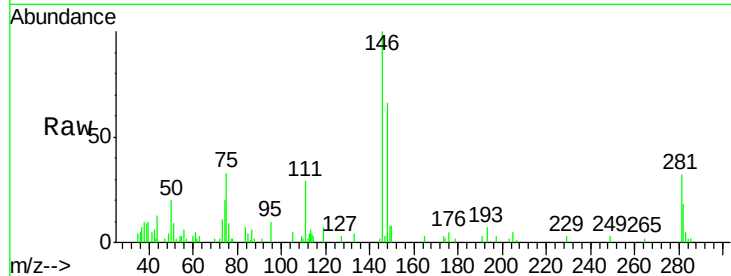
#76
 1,4-Dichlorobenzene
 Concen: 0.134 ppbv m
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.01 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.6	67.7#
148	0.0	33.5	100.5#

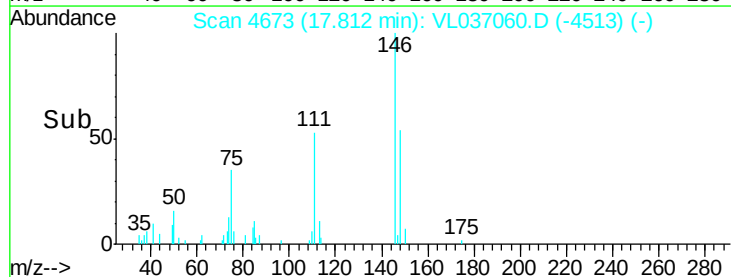
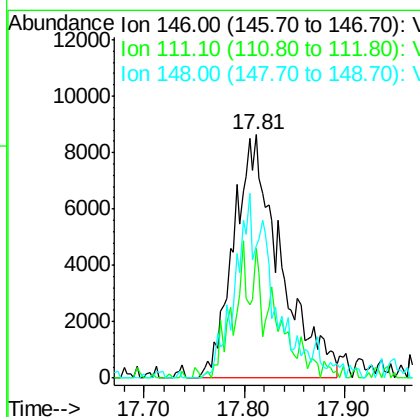
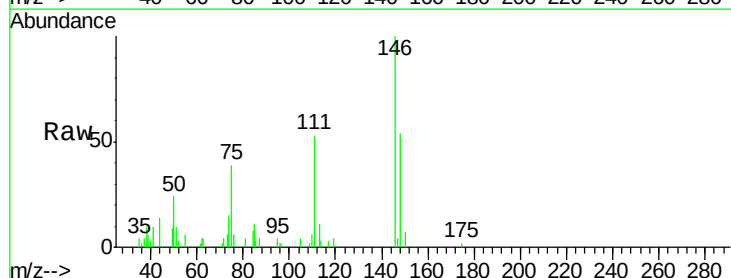
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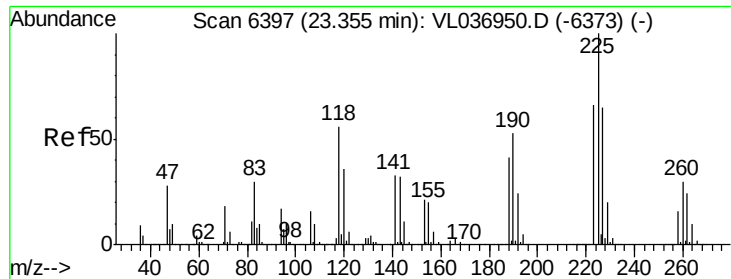
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#77
 1,2-Dichlorobenzene
 Concen: 0.125 ppbv m
 RT: 17.81 min Scan# 4673
 Delta R.T. 0.02 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.1	69.2
148	63.7	32.5	97.4





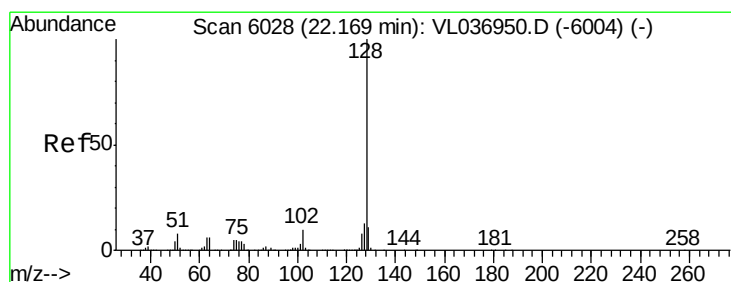
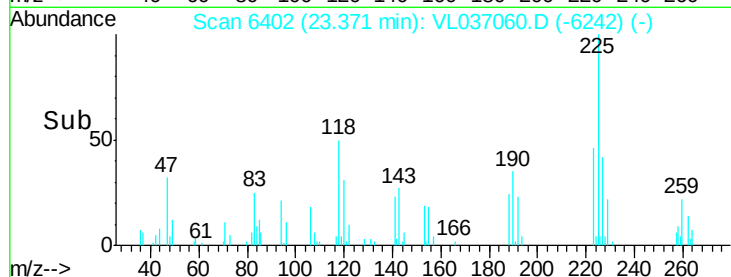
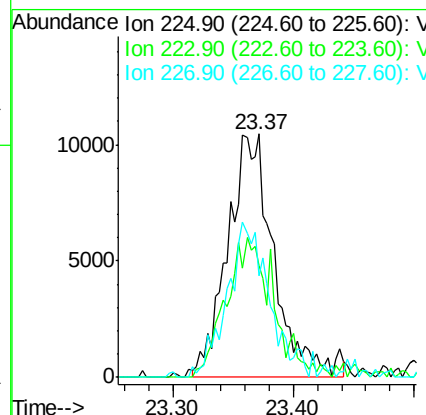
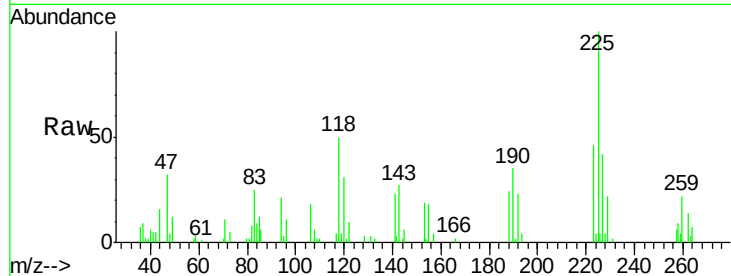
#78
Hexachloro-1,3-Butadiene
Concen: 0.153 ppbv m
RT: 23.37 min Scan# 6402
Delta R.T. 0.02 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	51.9	77.9
227	58.4	51.8	77.6

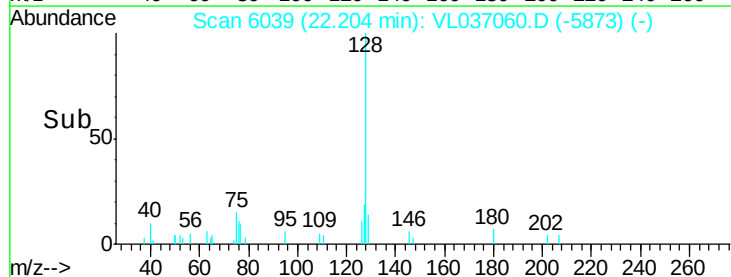
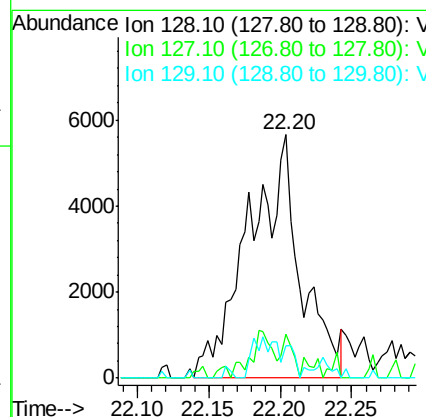
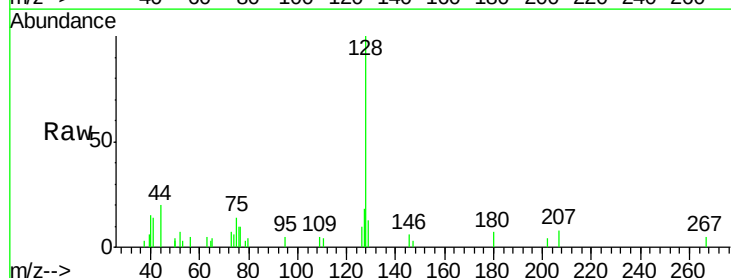
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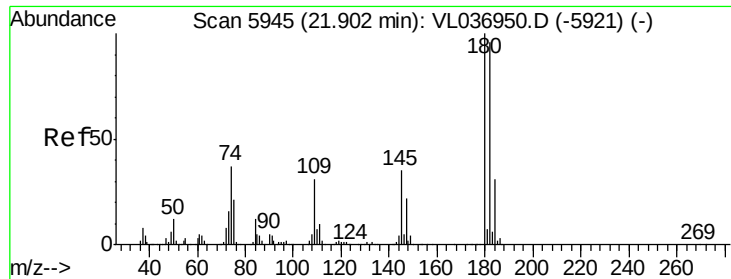
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#79
Naphthalene
Concen: 0.050 ppbv m
RT: 22.20 min Scan# 6039
Delta R.T. 0.04 min
Lab File: VL037060.D
Acq: 25 May 2021 14:37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.2	10.4	15.6#
129	13.4	9.0	13.6





#81
 1,2,4-Trichlorobenzene
 Concen: 0.078 ppbv m
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.02 min
 Lab File: VL037060.D
 Acq: 25 May 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	81.7	122.5
184	0.0	24.9	37.3

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