

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037059.D
 Acq On : 25 May 2021 14:00
 Operator : SY/AP
 Sample : M2262-15 0.40
 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 10:31:31 AM

Quant Time: May 26 11:40:30 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	1103221	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3371769	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3057060	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2208302	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	106516	0.569	ppbv	97
3) Chlorodifluoromethane	2.97	51	104370	0.516	ppbv	95
4) Chloromethane	3.12	50	36611	0.532	ppbv	100
5) Vinyl Chloride	3.24	62	30128	0.401	ppbv	95
6) Bromomethane	3.45	94	19075	0.482	ppbv	97
7) Chloroethane	3.54	64	12896m	0.528	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	89680	0.510	ppbv	92
9) Propene	2.99	41	33853	0.468	ppbv	93
10) Heptane	8.10	43	73576	0.408	ppbv	97
11) Trichlorofluoromethane	3.93	101	87529	0.505	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.46	101	64734	0.525	ppbv	94
13) Ethanol	3.60	45	4232m	0.438	ppbv	
14) Bromoethene	3.73	108	24127m	0.444	ppbv	
15) Acetone	3.86	43	60080	0.532	ppbv #	65
16) 1,3-Butadiene	3.31	39	33185m	0.473	ppbv	
17) tert-Butyl alcohol	4.31	59	48335m	0.467	ppbv	
18) 1,1-Dichloroethene	4.27	96	26960m	0.472	ppbv	
19) Isopropyl Alcohol	3.98	45	31379m	0.517	ppbv	
20) Methylene Chloride	4.33	84	41104	0.679	ppbv	94
21) Allyl Chloride	4.39	41	37470	0.440	ppbv	94
22) trans-1,2-Dichloroethene	4.86	96	25808m	0.472	ppbv	
23) Vinyl Acetate	5.07	43	53413	0.298	ppbv #	87
24) 1,1-Dichloroethane	4.99	63	54162	0.420	ppbv #	97
25) Ethyl Acetate	5.67	43	105478	0.388	ppbv #	93
26) Hexane	5.67	57	64779	0.467	ppbv #	90
27) Carbon Disulfide	4.54	76	44187	0.316	ppbv #	90
28) Methyl tert-Butyl Ether	5.03	73	51602	0.310	ppbv #	86
29) Chloroform	5.73	83	100266m	0.512	ppbv	
30) Cyclohexane	7.10	84	55045m	0.467	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	55189	0.444	ppbv	91
32) 1,1,1-Trichloroethane	6.49	97	83033	0.395	ppbv #	87
34) 2-Butanone	5.25	43	58549m	0.477	ppbv	
35) Carbon Tetrachloride	7.00	117	87866m	0.392	ppbv	
36) Benzene	6.87	78	114810	0.395	ppbv #	89
37) 1,2-Dichloroethane	6.29	62	65863	0.457	ppbv	98
38) Trichloroethene	7.82	130	53864	0.434	ppbv	93
39) 1,2-Dichloropropane	7.59	63	47629m	0.426	ppbv	
40) 1,4-Dioxane	7.85	88	15994m	0.605	ppbv	
41) Tetrahydrofuran	6.07	42	26654m	0.381	ppbv	
42) Bromodichloromethane	7.77	83	82956	0.381	ppbv #	98
43) Methyl Methacrylate	8.00	69	34590m	0.346	ppbv	

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 5/27/2021 10:31:31 AM

Quant Time: May 26 11:40:30 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M

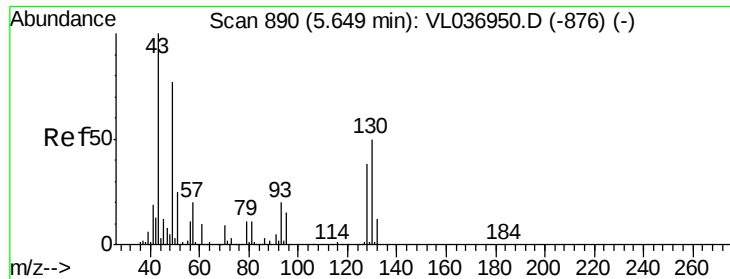
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 2021

QLast Update : Tue May 18 12:00:15 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	200194	0.402	ppbv	93
45) t-1,3-Dichloropropene	9.26	75	19973m	0.261	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	30628m	0.298	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	51839m	0.443	ppbv	
48) Dibromochloromethane	10.28	129	55117	0.291	ppbv	87
49) Bromoform	13.02	173	38913m	0.249	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	62881	0.310	ppbv #	88
51) 2-Hexanone	10.14	43	30570m	0.285	ppbv	
52) Tetrachloroethene	11.20	164	52554m	0.455	ppbv	
53) Toluene	9.78	91	129425	0.375	ppbv	98
54) 1,2-Dibromoethane	10.59	107	70998m	0.426	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	53345	0.415	ppbv #	1
57) Chlorobenzene	12.12	112	119760m	0.505	ppbv	
58) Ethyl Benzene	12.69	91	181232m	0.420	ppbv	
59) m/p-Xylene	12.98	91	298920m	0.838	ppbv	
60) o-Xylene	13.67	91	153861m	0.452	ppbv	
61) Styrene	13.51	104	61370	0.320	ppbv #	86
62) Isopropylbenzene	14.64	105	204811	0.419	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	105422m	0.415	ppbv	
64) n-propylbenzene	15.54	120	46319	0.367	ppbv #	55
65) tert-Butylbenzene	16.73	119	196044	0.444	ppbv	97
66) Benzyl Chloride	16.98	91	7176m	0.293	ppbv	
67) sec-Butylbenzene	17.28	105	246468	0.410	ppbv	98
69) p-Isopropyltoluene	17.64	119	207079m	0.400	ppbv	
70) n-Butylbenzene	18.54	91	184046m	0.374	ppbv	
71) 2-Chlorotoluene	15.43	91	148525m	0.421	ppbv	
72) 4-Ethyltoluene	15.82	105	153854	0.381	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.98	105	139137	0.367	ppbv	93
74) 1,2,4-Trimethylbenzene	16.74	105	168982m	0.431	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	105095m	0.439	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	99464m	0.411	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	97524m	0.407	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	85138m	0.441	ppbv	
79) Naphthalene	22.18	128	69784m	0.227	ppbv	
80) Naphthalene,2-methyl-	25.10	142	8853m	0.132	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	52776m	0.281	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 49 Resp: 1103221

Ion Ratio Lower Upper

49 100

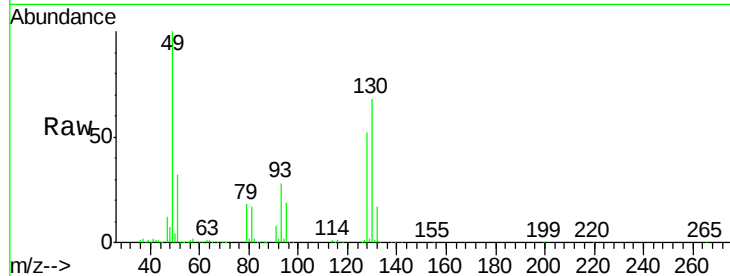
128 58.1 26.9 80.7

130 76.3 33.8 101.4

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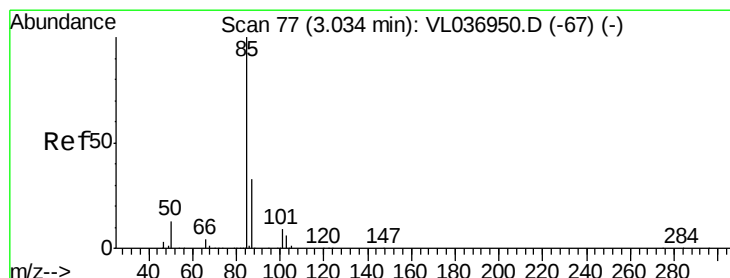
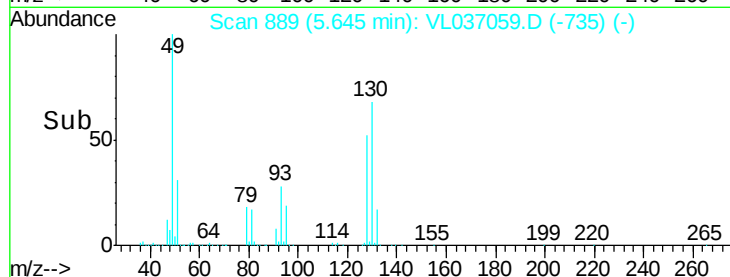
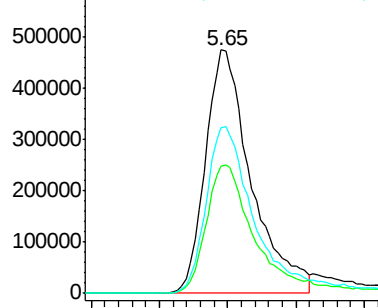
5/27/2021 10:31:31 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.569 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL037059.D

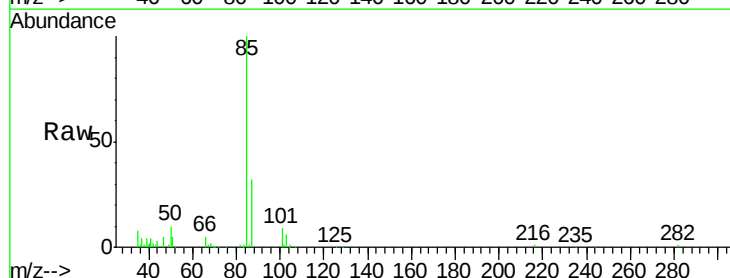
Acq: 25 May 2021 14:00

Tgt Ion: 85 Resp: 106516

Ion Ratio Lower Upper

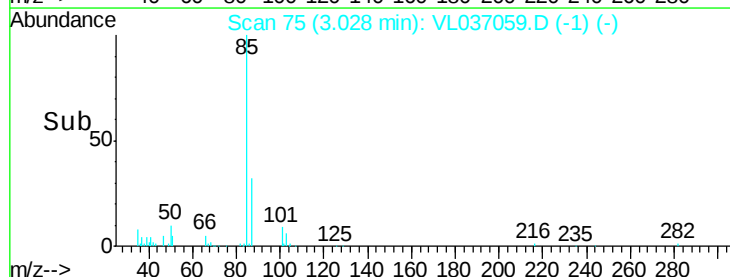
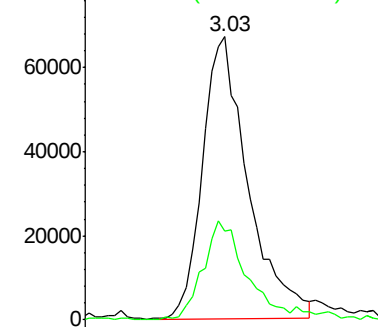
85 100

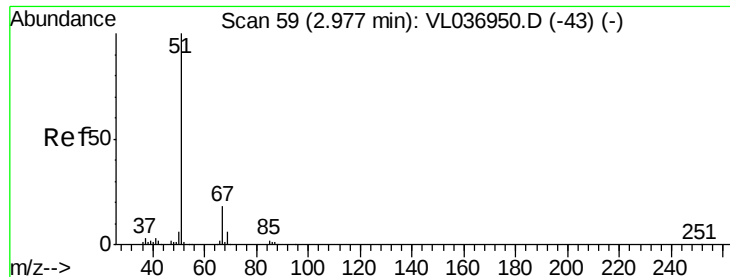
87 31.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.516 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 51 Resp: 104370

Ion Ratio Lower Upper

51 100

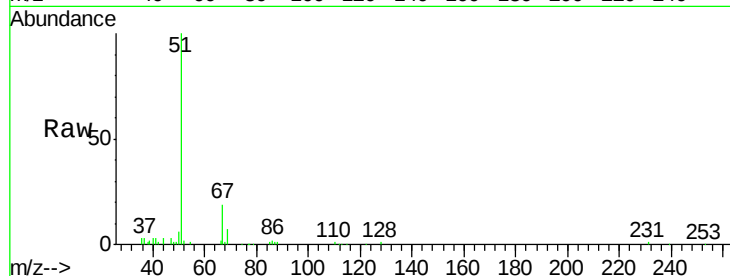
67 20.4 14.6 21.8

Manual Integrations

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5/27/2021 10:31:31 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

60000

50000

40000

30000

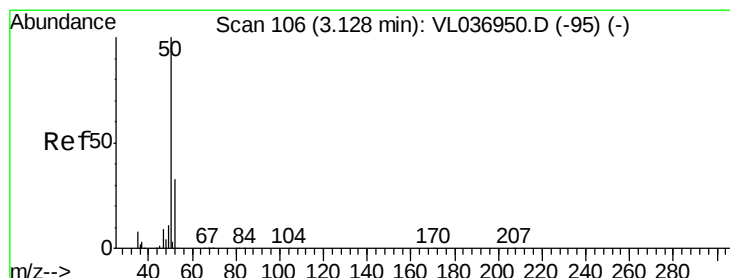
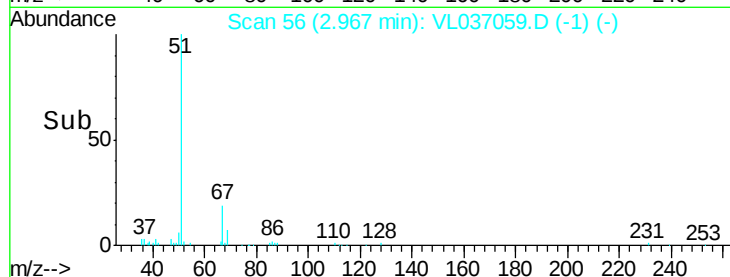
20000

10000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 0.532 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037059.D

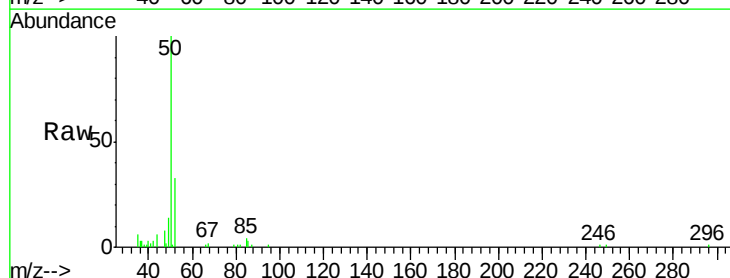
Acq: 25 May 2021 14:00

Tgt Ion: 50 Resp: 36611

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

20000

15000

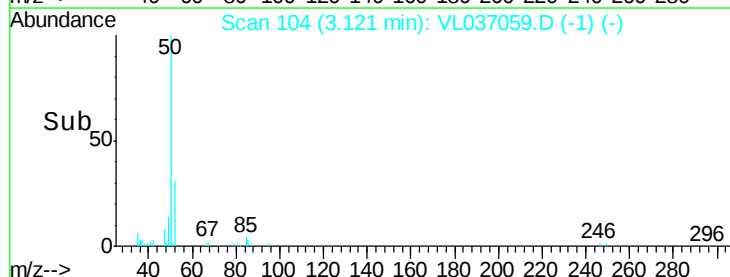
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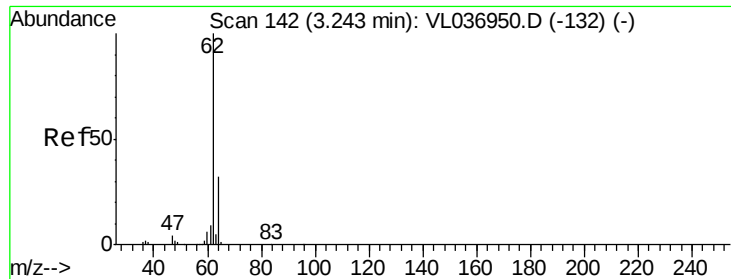
5000

0

Time-->

3.05 3.10 3.15





#5

Vinyl Chloride

Concen: 0.401 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 62 Resp: 30128

Ion Ratio Lower Upper

62 100

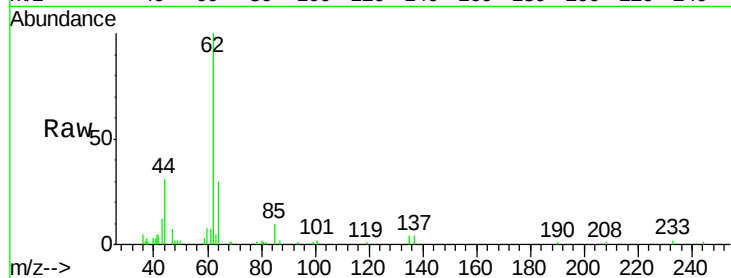
64 29.8 25.9 38.9

Manual Integrations

APPROVED

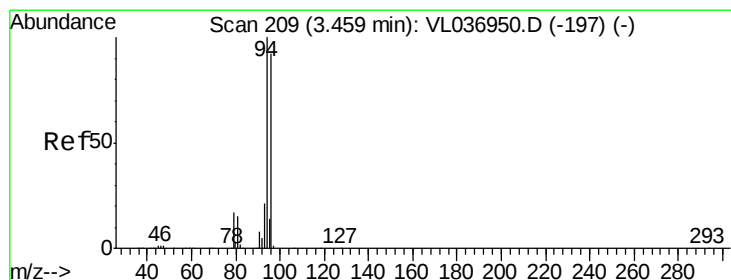
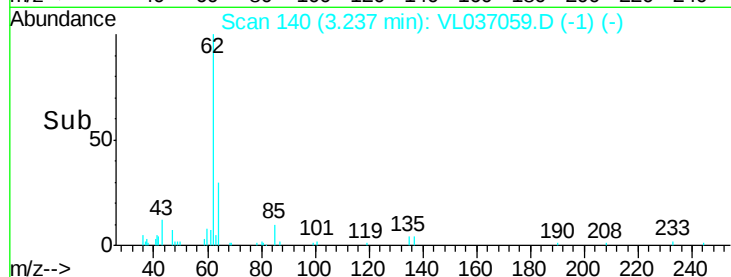
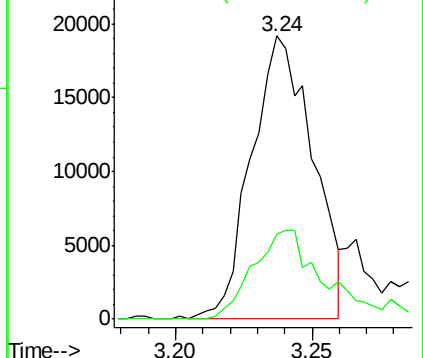
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5/27/2021 10:31:31 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.482 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL037059.D

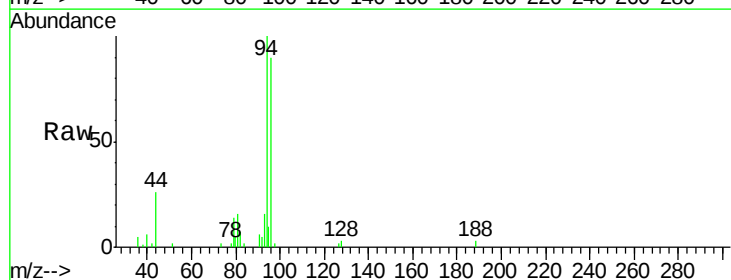
Acq: 25 May 2021 14:00

Tgt Ion: 94 Resp: 19075

Ion Ratio Lower Upper

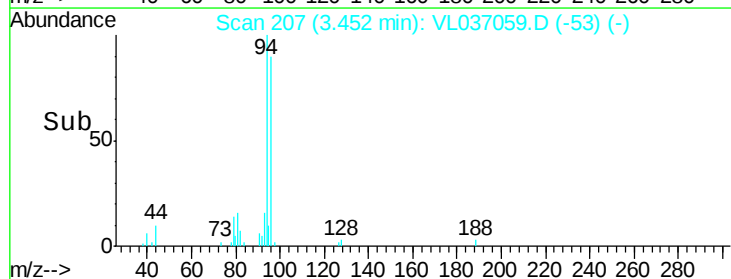
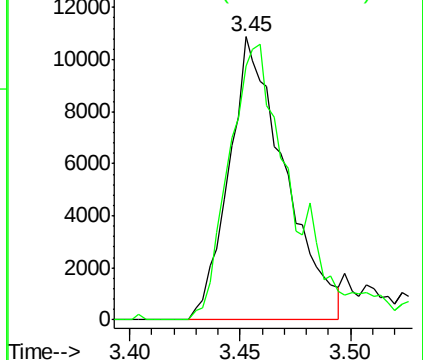
94 100

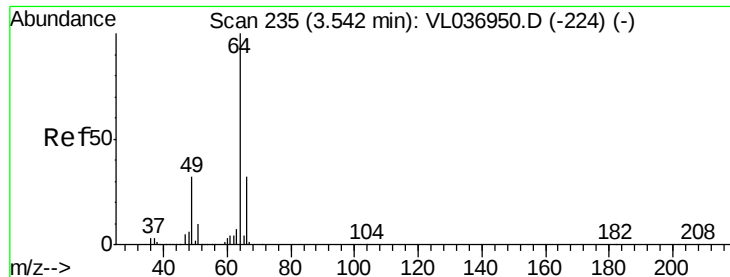
96 89.6 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.528 ppbv m

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 64 Resp: 12896

Ion Ratio Lower Upper

64 100

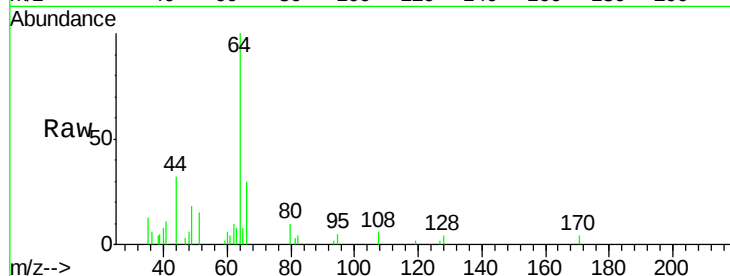
66 30.2 25.4 38.2

Manual Integrations

APPROVED

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5/27/2021 10:31:31 AM

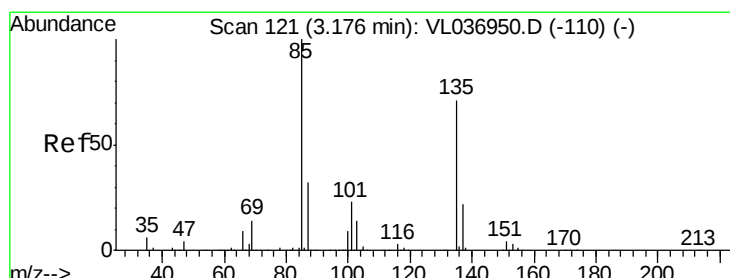
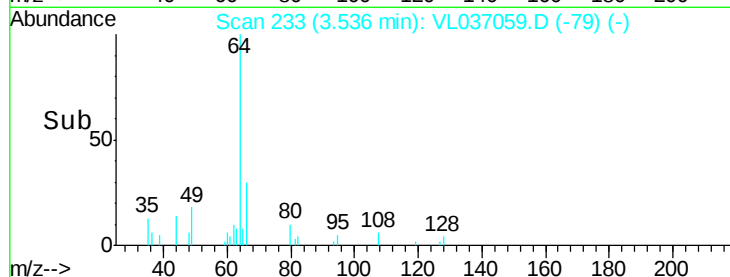


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.510 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.01 min

Lab File: VL037059.D

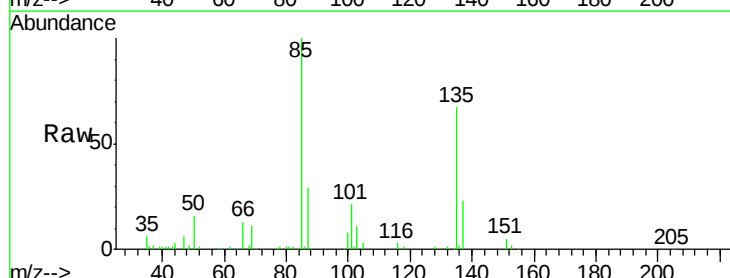
Acq: 25 May 2021 14:00

Tgt Ion: 85 Resp: 89680

Ion Ratio Lower Upper

85 100

135 78.8 57.7 86.5

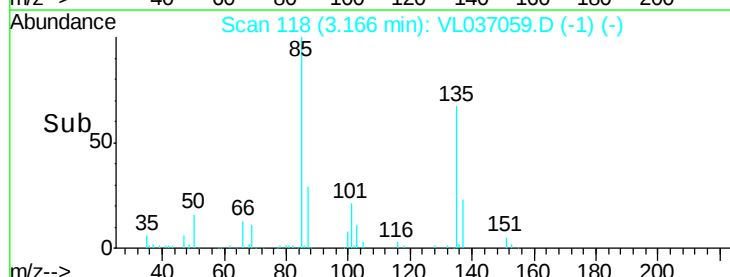


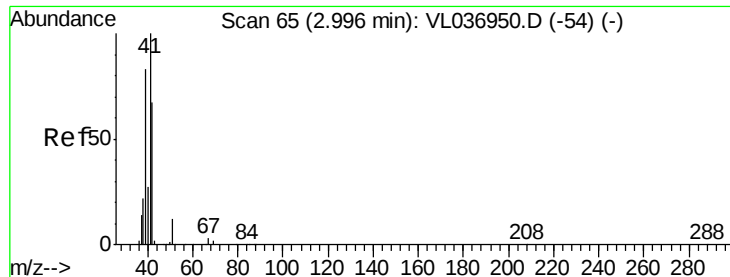
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

Time-->





#9

Propene

Concen: 0.468 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 41 Resp: 33853

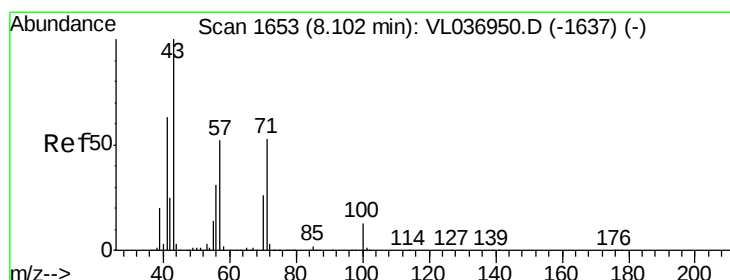
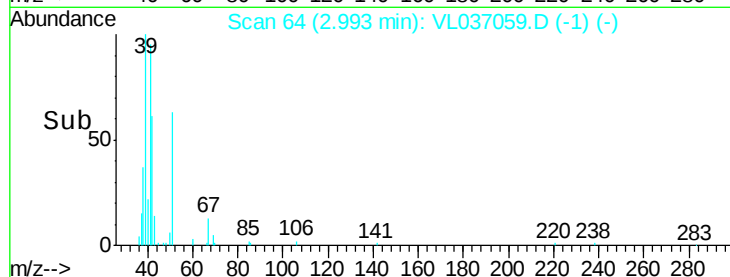
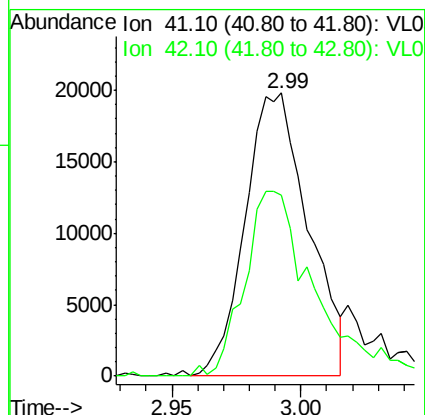
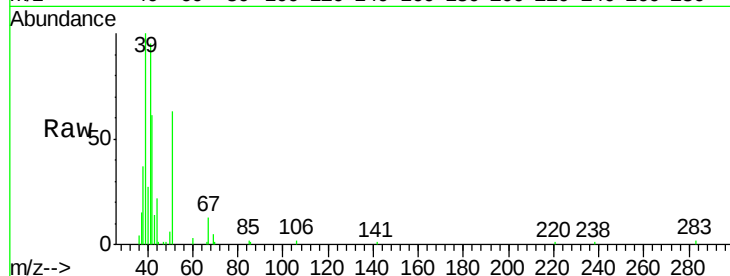
Ion Ratio Lower Upper

41 100

42 72.7 53.9 80.9

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



#10

Heptane

Concen: 0.408 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037059.D

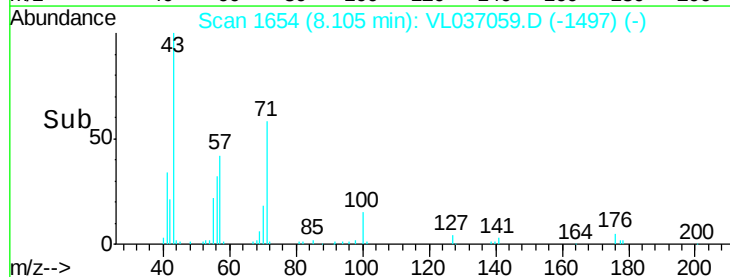
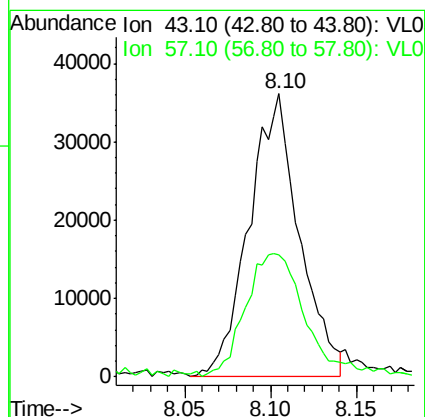
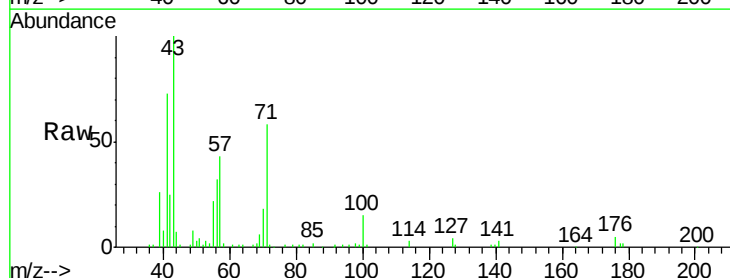
Acq: 25 May 2021 14:00

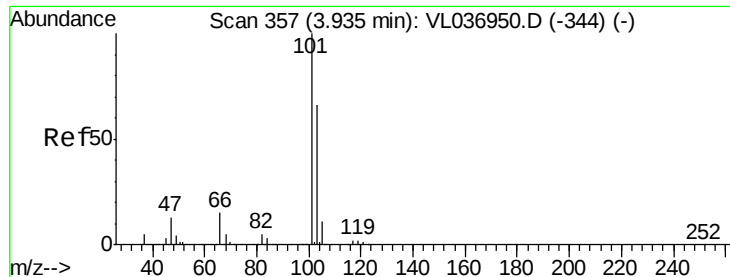
Tgt Ion: 43 Resp: 73576

Ion Ratio Lower Upper

43 100

57 53.5 41.0 61.6





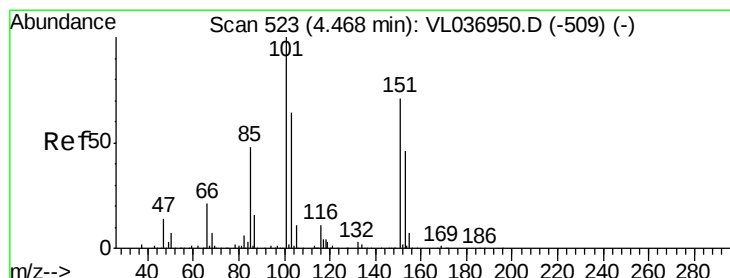
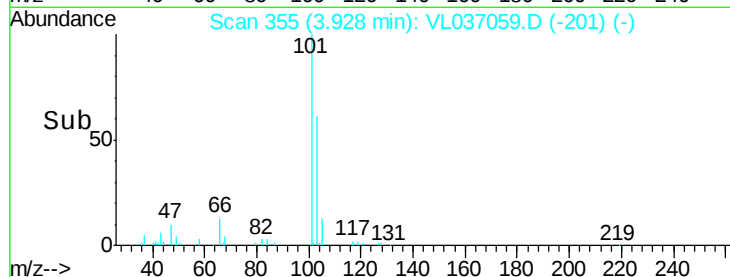
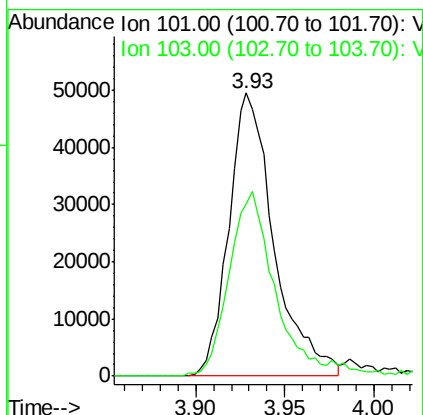
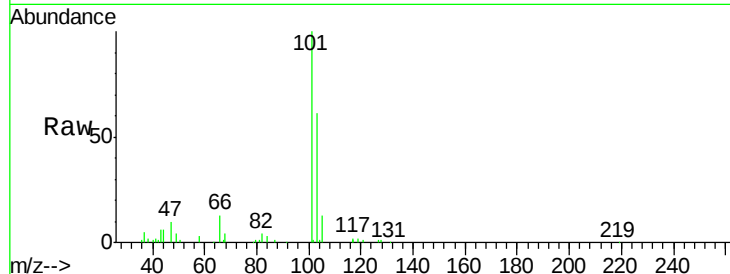
#11
 Trichlorofluoromethane
 Concen: 0.505 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion:101 Resp: 87529
 Ion Ratio Lower Upper
 101 100
 103 59.7 52.6 79.0

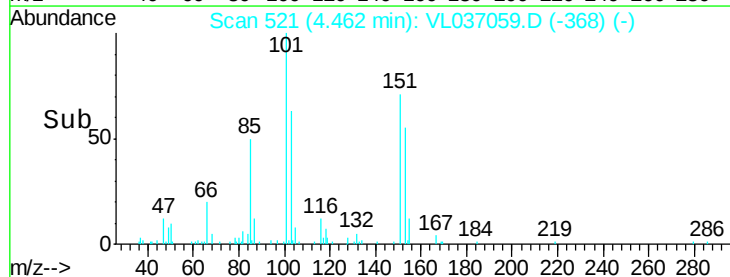
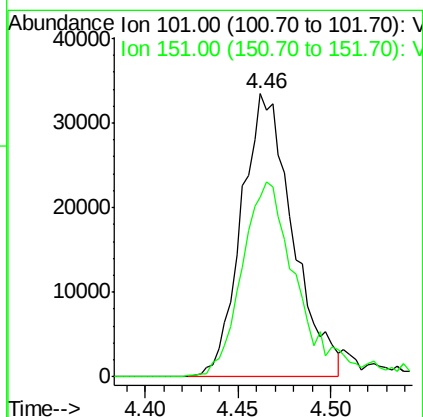
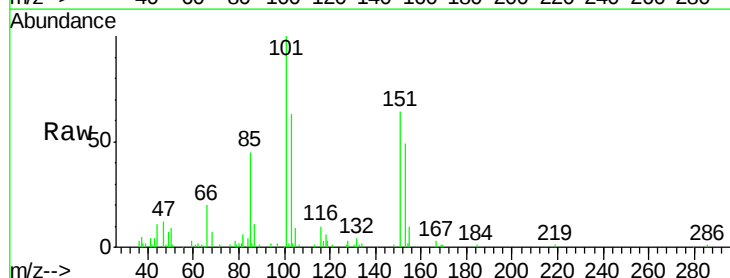
Manual Integrations
 APPROVED

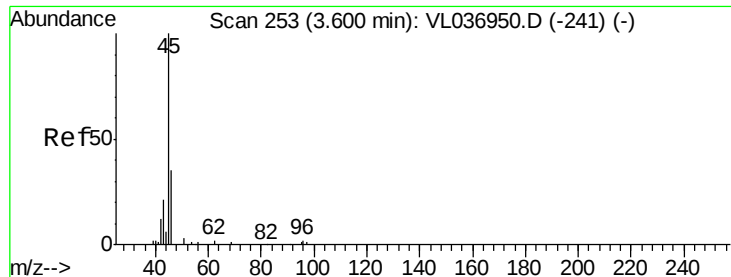
MMDadoda
 5/27/2021 10:31:31 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.525 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion:101 Resp: 64734
 Ion Ratio Lower Upper
 101 100
 151 76.8 57.7 86.5





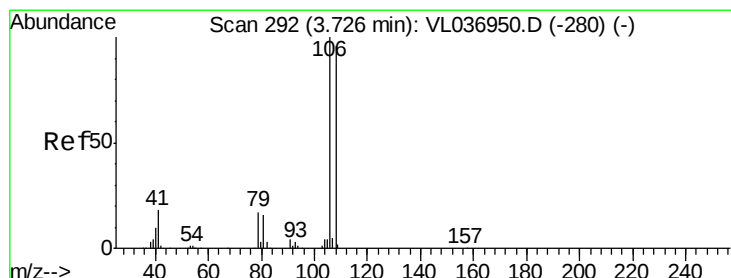
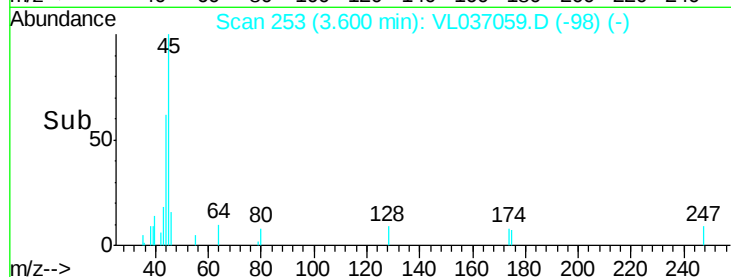
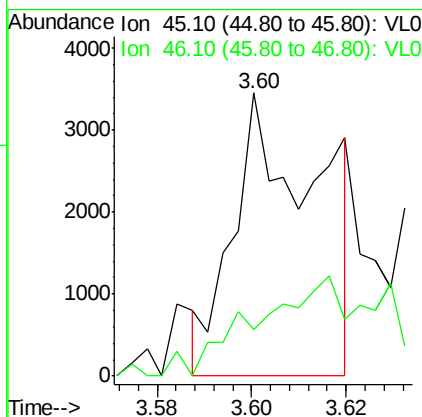
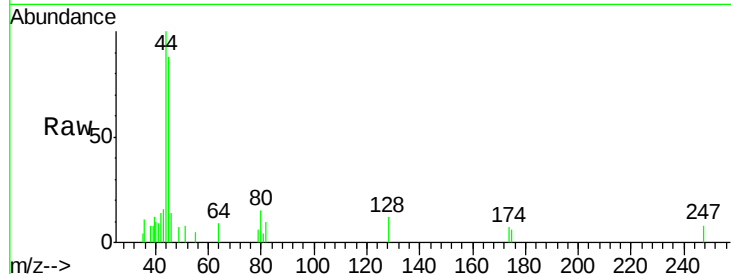
#13
Ethanol
Concen: 0.438 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion: 45 Resp: 4232
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#

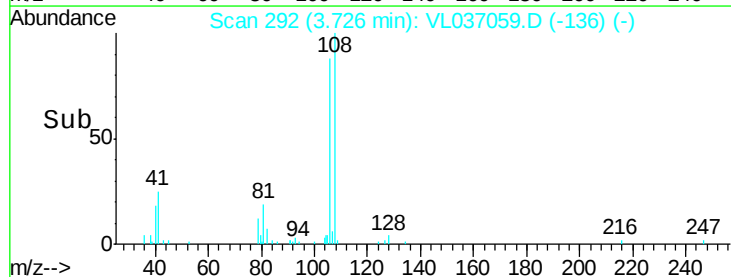
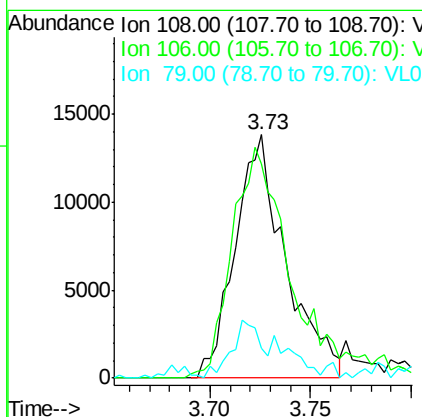
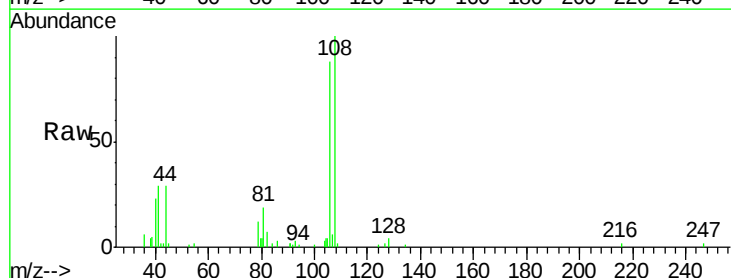
Manual Integrations
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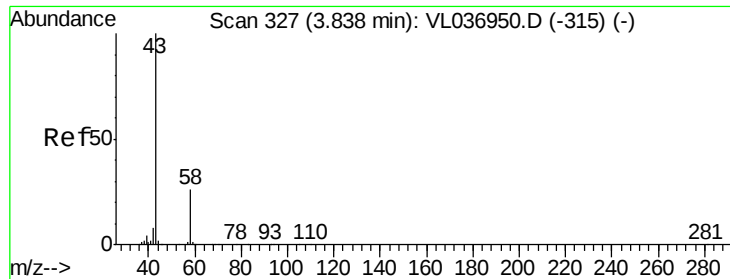
MMDadoda
5/27/2021 10:31:31 AM



#14
Bromoethene
Concen: 0.444 ppbv m
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion: 108 Resp: 24127
Ion Ratio Lower Upper
108 100
106 115.5 86.5 129.7
79 24.8 15.0 22.4#





#15

Acetone

Concen: 0.532 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 43 Resp: 60080

Ion Ratio Lower Upper

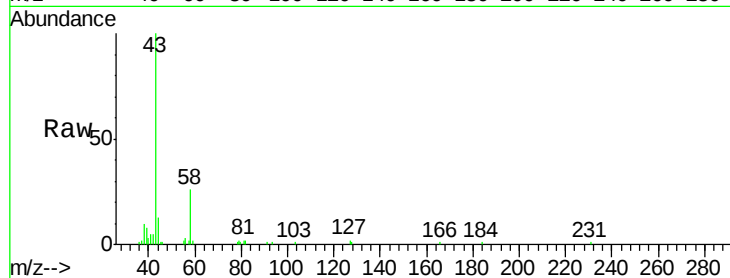
43 100

58 48.9 24.0 36.0#

Manual Integrations
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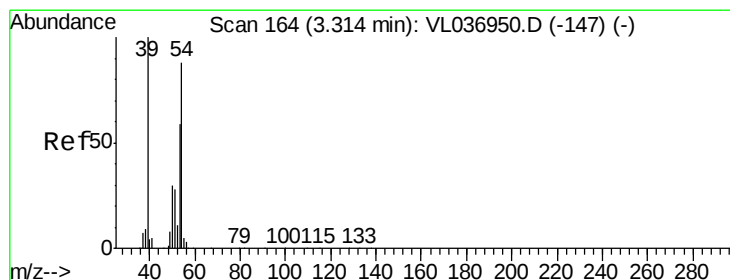
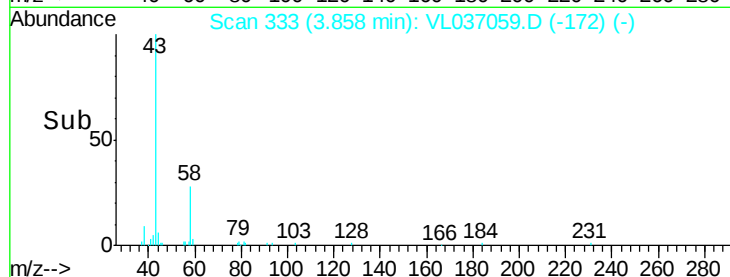
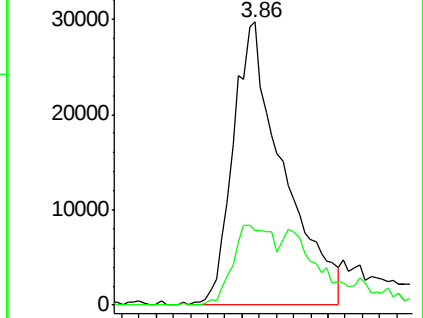
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.473 ppbv m

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037059.D

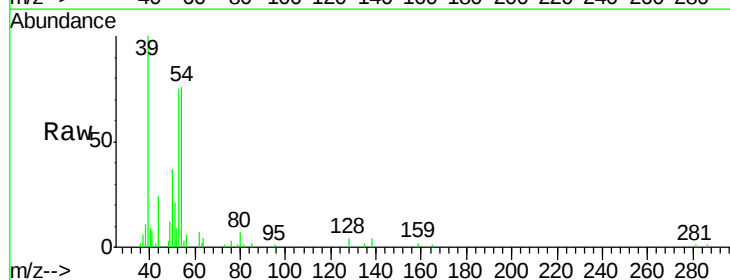
Acq: 25 May 2021 14:00

Tgt Ion: 39 Resp: 33185

Ion Ratio Lower Upper

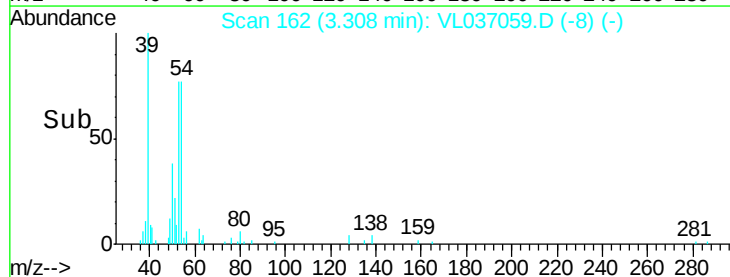
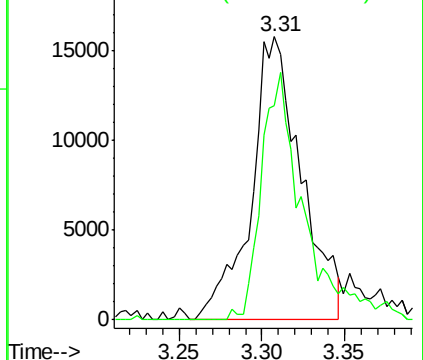
39 100

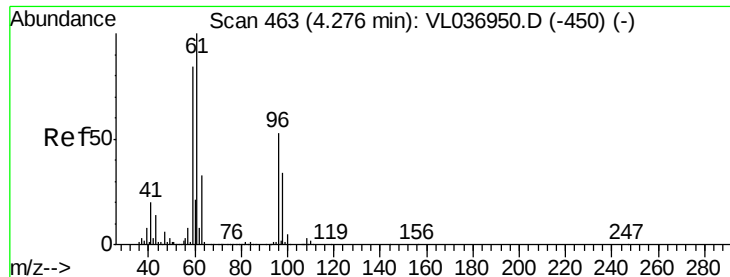
54 73.9 63.2 94.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.467 ppbv m

RT: 4.31 min Scan# 474

Delta R.T. 0.04 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

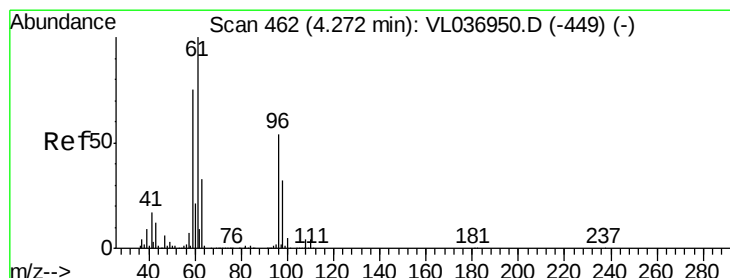
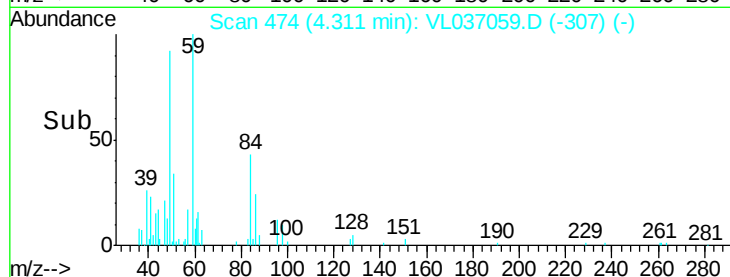
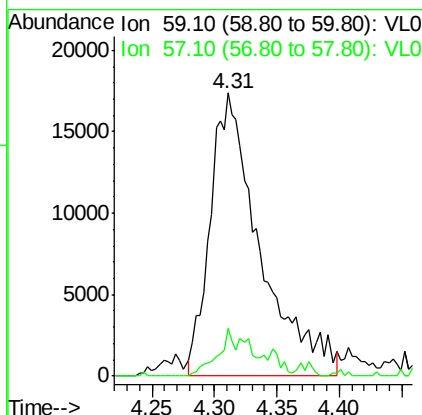
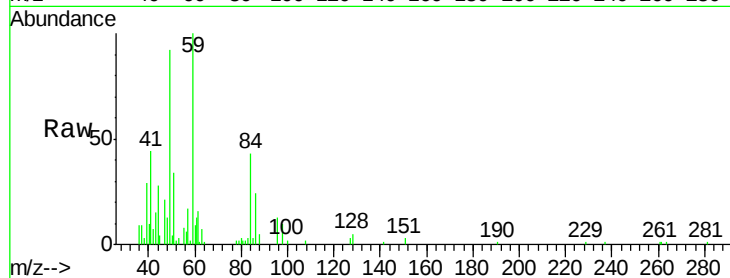
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 59 Resp: 48335
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

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



#18

1,1-Dichloroethene

Concen: 0.472 ppbv m

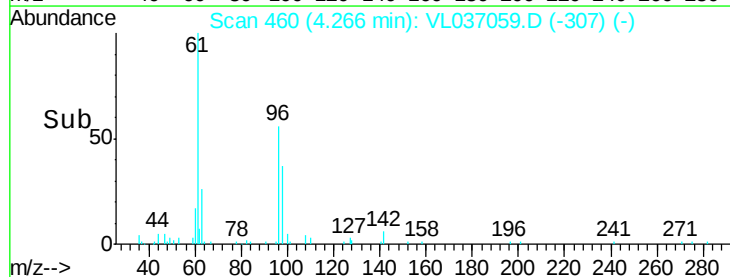
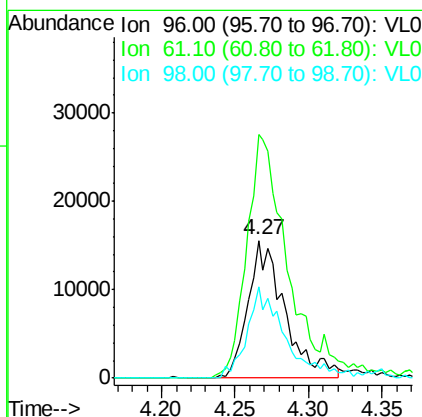
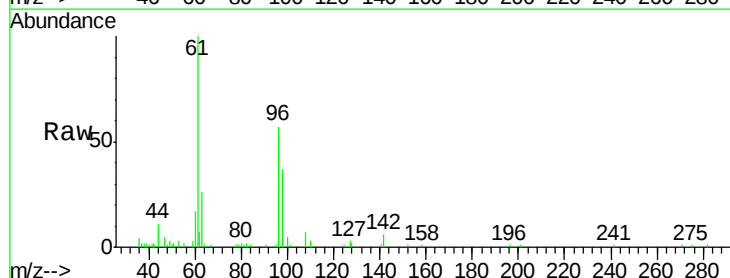
RT: 4.27 min Scan# 460

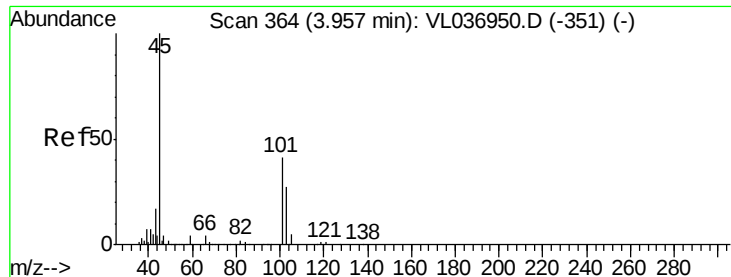
Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion: 96 Resp: 26960
 Ion Ratio Lower Upper
 96 100
 61 176.8 148.2 222.4
 98 66.2 47.8 71.6





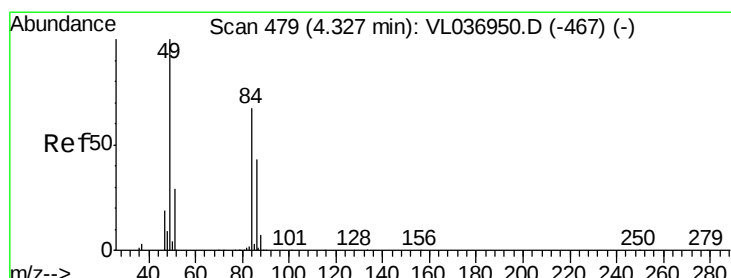
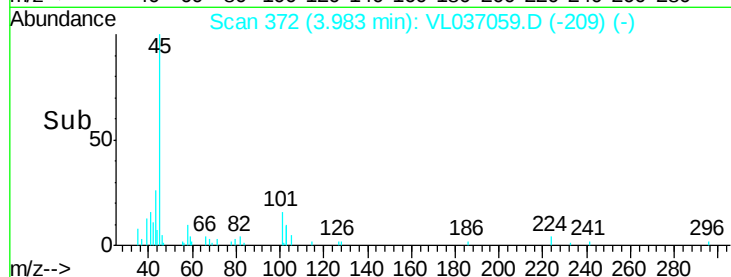
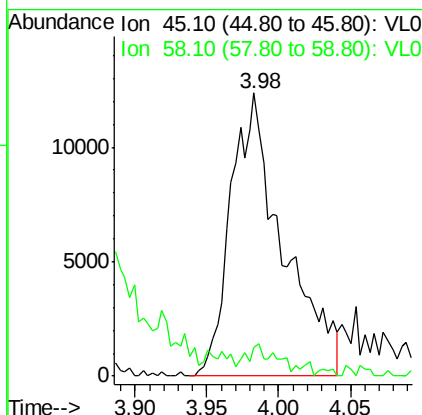
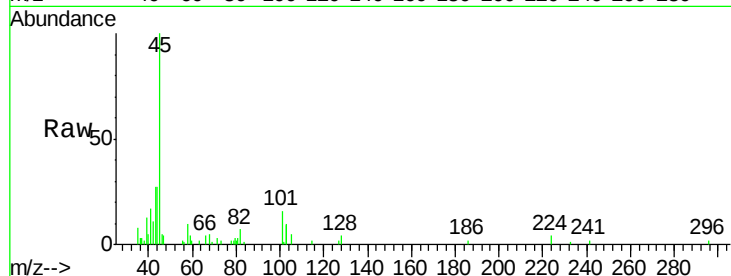
#19
Isopropyl Alcohol
Concen: 0.517 ppbv m
RT: 3.98 min Scan# 372
Delta R.T. 0.03 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion: 45 Resp: 31379
Ion Ratio Lower Upper
45 100
58 0.0 37.2 55.8#

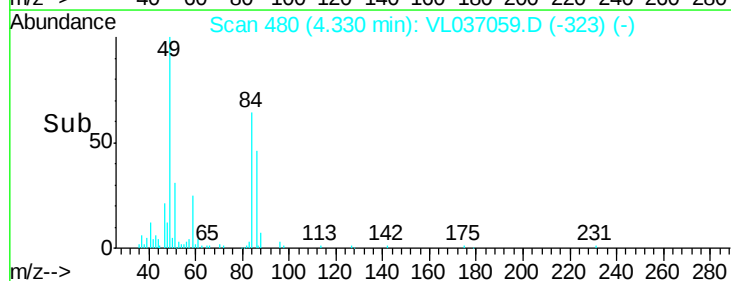
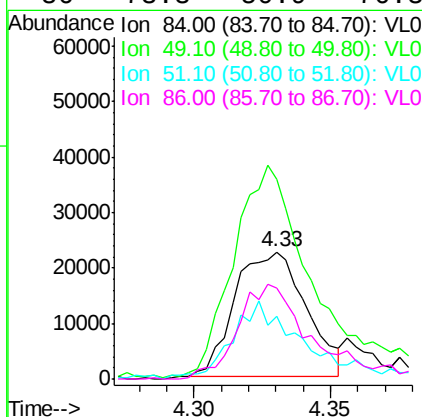
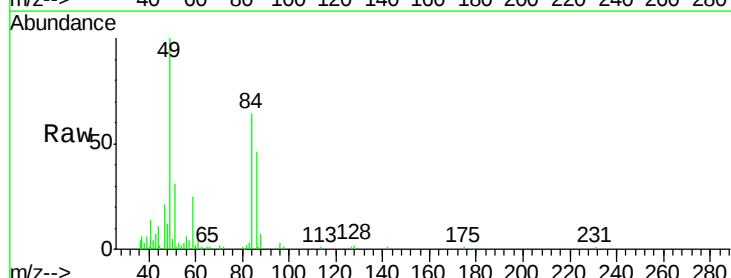
Manual Integrations
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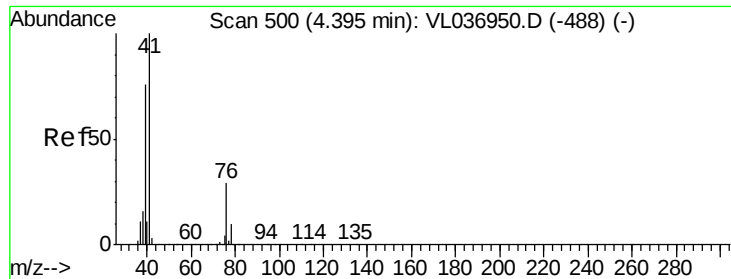
MMDadoda
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#20
Methylene Chloride
Concen: 0.679 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion: 84 Resp: 41104
Ion Ratio Lower Upper
84 100
49 154.5 119.8 179.6
51 46.5 35.1 52.7
86 73.3 50.9 76.3





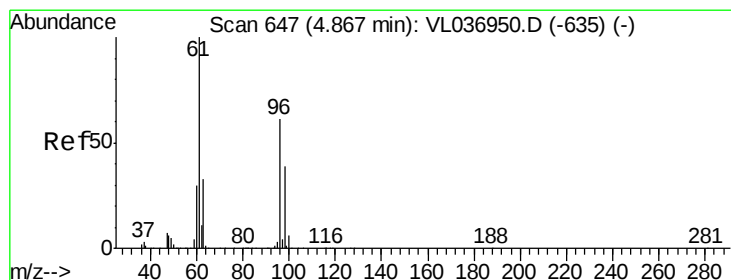
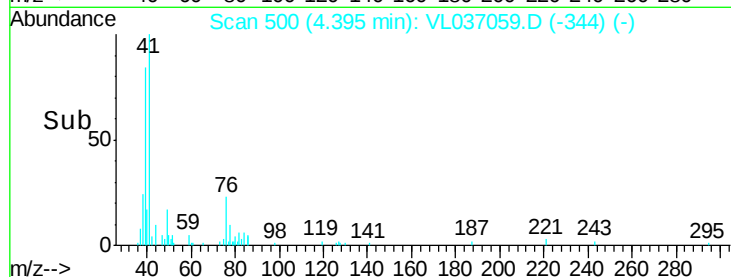
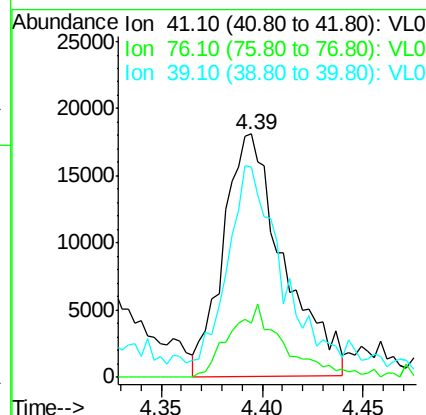
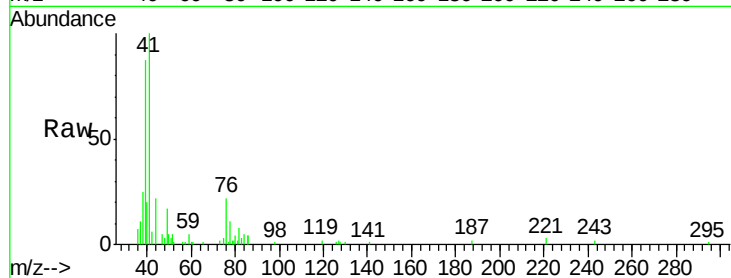
#21
 Allyl Chloride
 Concen: 0.440 ppbv
 RT: 4.39 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Lower	Upper
41	100		
76	27.5	24.9	37.3
39	84.9	63.7	95.5

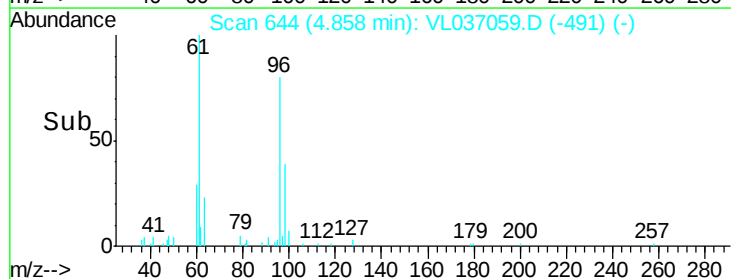
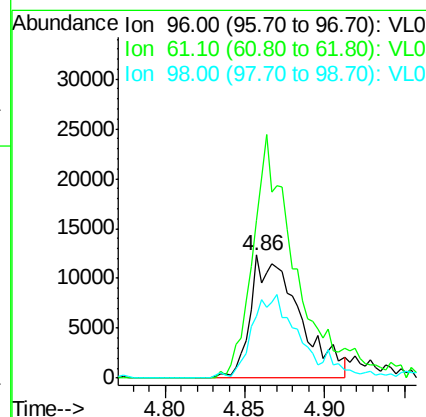
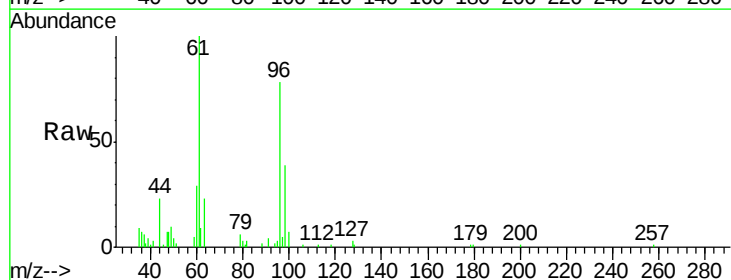
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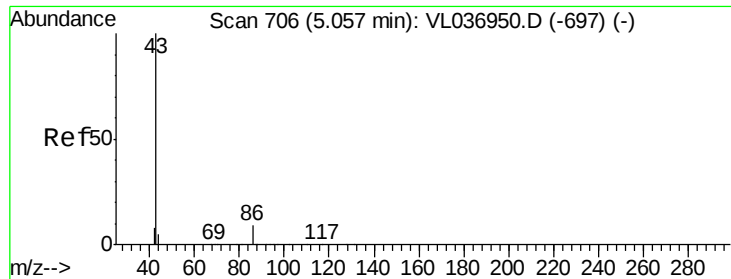
MMDadoda
 5/27/2021 10:31:31 AM



#22
 trans-1,2-Dichloroethene
 Concen: 0.472 ppbv m
 RT: 4.86 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.6	130.6	196.0#
98	50.1	50.8	76.2#





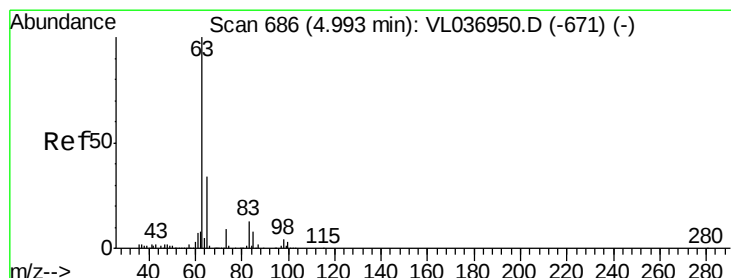
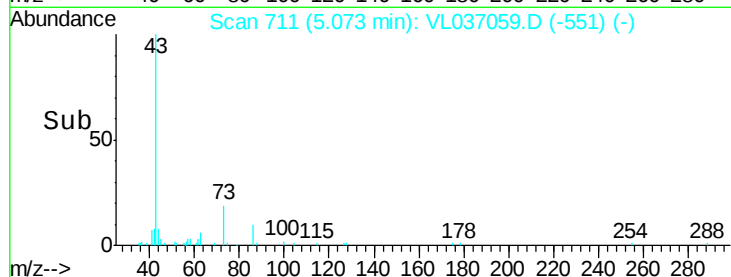
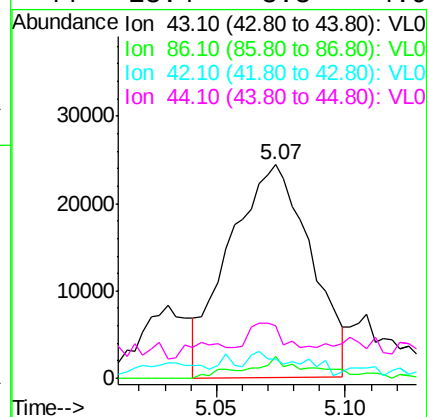
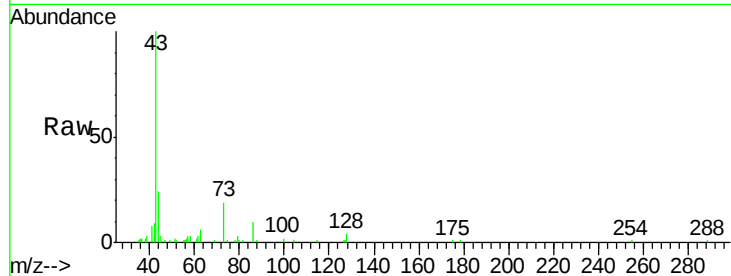
#23
 Vinyl Acetate
 Concen: 0.298 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. 0.02 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	53413		
86	13.0		5.8	8.8#
42	7.9		7.4	11.2
44	13.4		3.3	4.9#

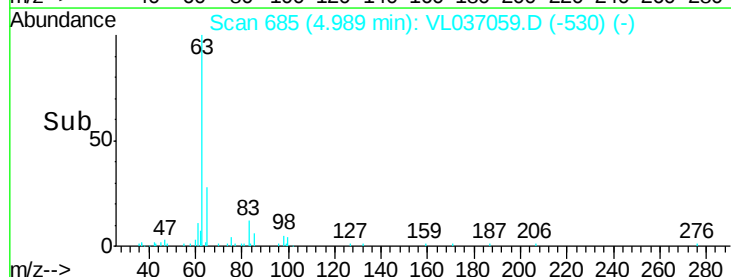
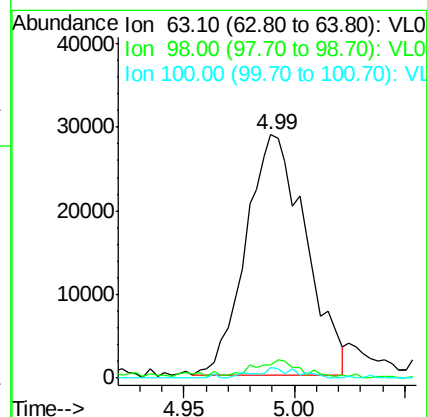
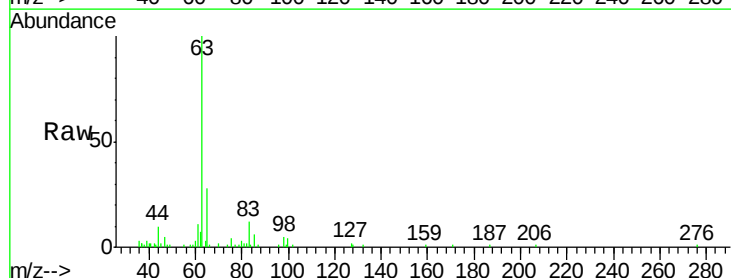
Manual Integrations
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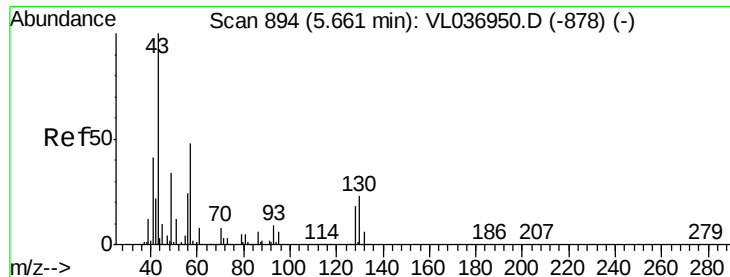
MMDadoda
 5/27/2021 10:31:31 AM



#24
 1,1-Dichloroethane
 Concen: 0.420 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	54162		
98	4.1		2.3	6.9
100	4.3		1.4	4.0#





#25

Ethyl Acetate

Concen: 0.388 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

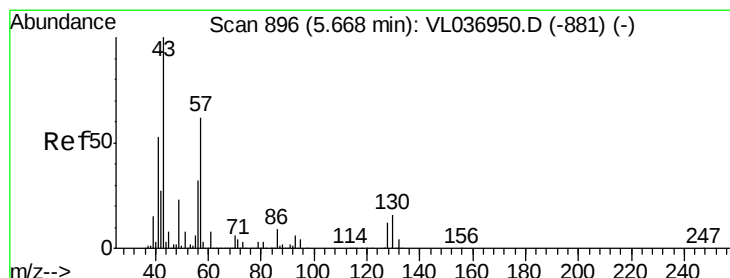
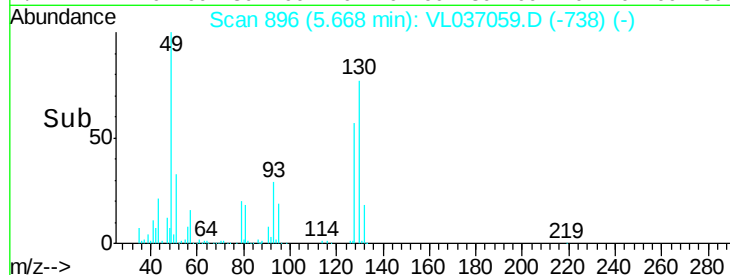
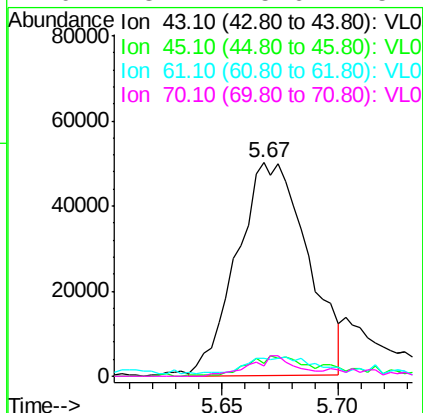
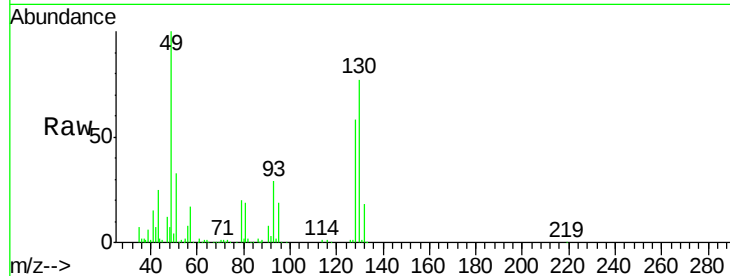
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
43	100		
45	12.3	7.8	11.8#
61	13.1	7.8	11.8#
70	8.1	5.6	8.4

Manual Integrations
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MMDadoda
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#26

Hexane

Concen: 0.467 ppbv

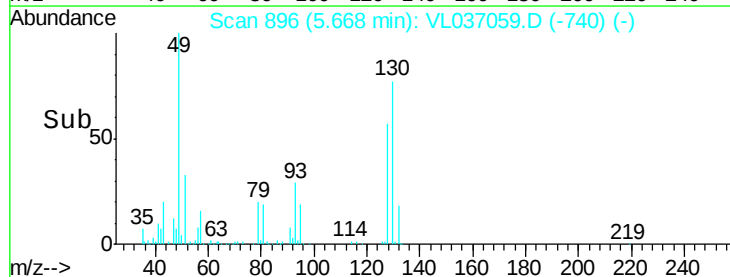
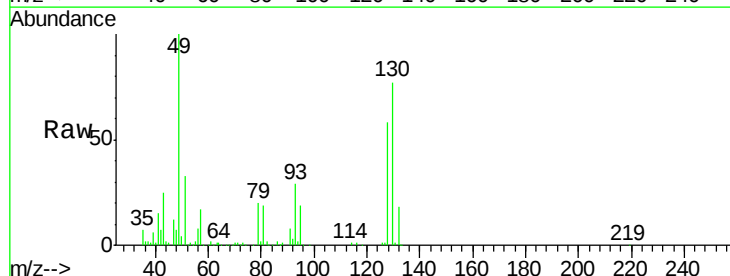
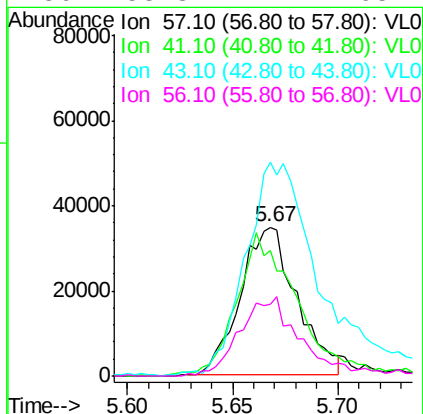
RT: 5.67 min Scan# 896

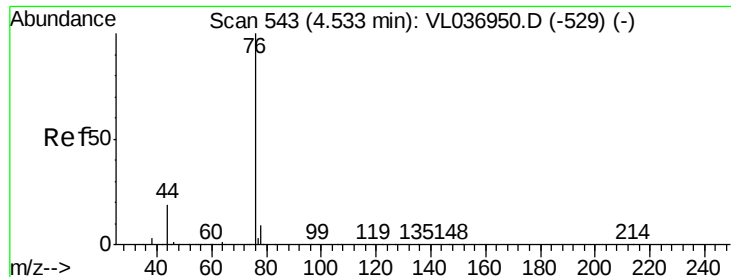
Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
57	100		
41	108.0	70.5	105.7#
43	199.6	165.8	248.8
56	58.3	42.2	63.4





#27

Carbon Disulfide

Concen: 0.316 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

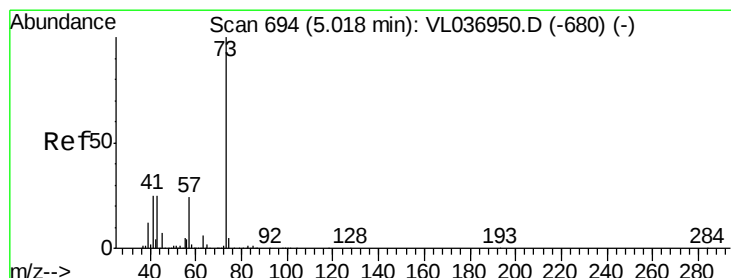
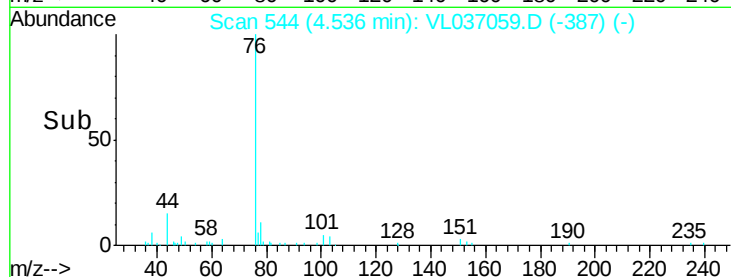
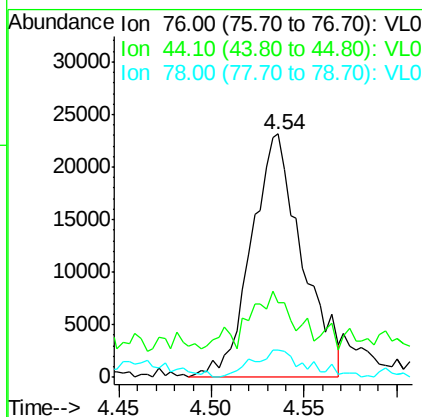
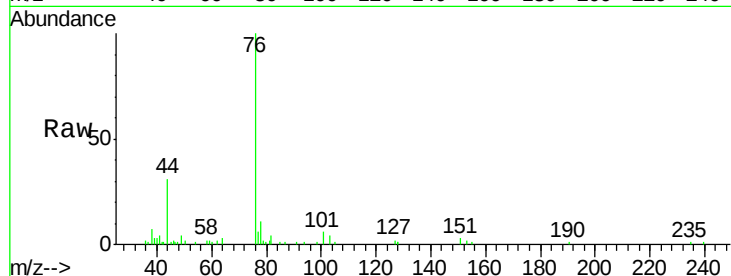
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	76	Resp:	44187
Ion Ratio	Lower	Upper	
76	100		
44	24.7	15.5	23.3#
78	11.6	7.8	11.6

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#28

Methyl tert-Butyl Ether

Concen: 0.310 ppbv

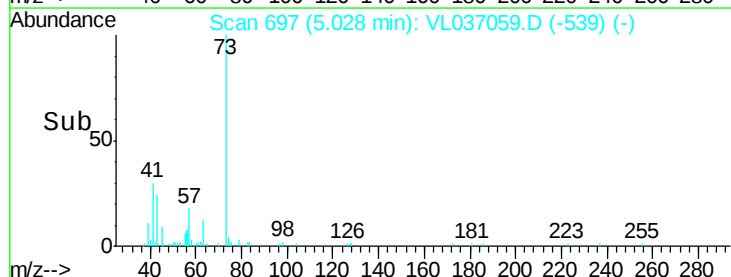
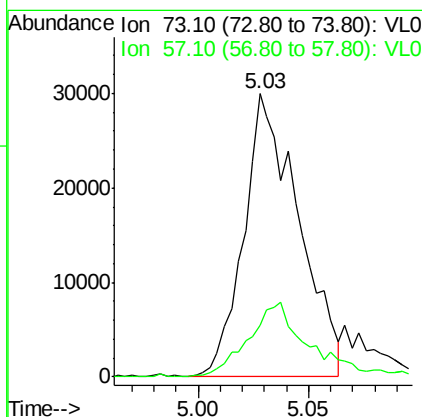
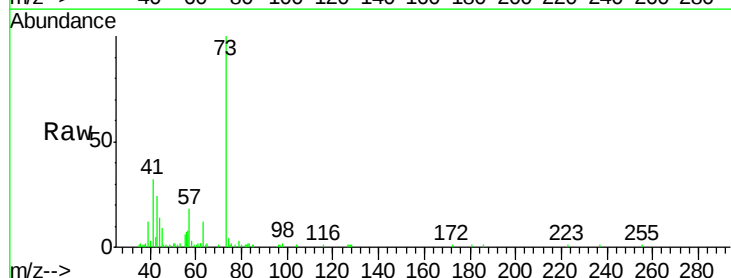
RT: 5.03 min Scan# 697

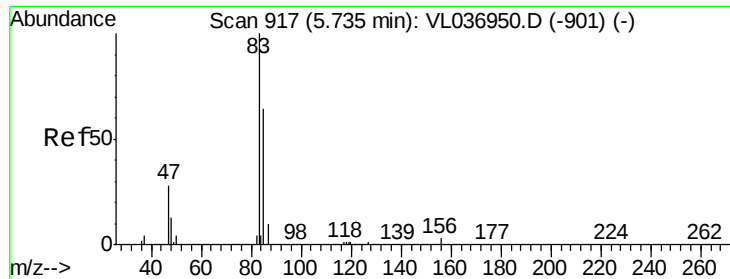
Delta R.T. 0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion:	73	Resp:	51602
Ion Ratio	Lower	Upper	
73	100		
57	29.5	18.3	27.5#





#29

Chloroform

Concen: 0.512 ppbv m

RT: 5.73 min Scan# 915

Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 83 Resp: 100266

Ion Ratio Lower Upper

83 100

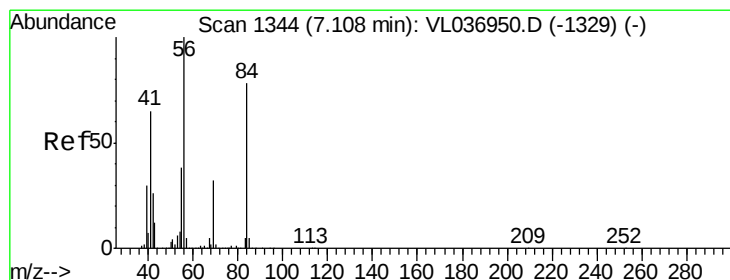
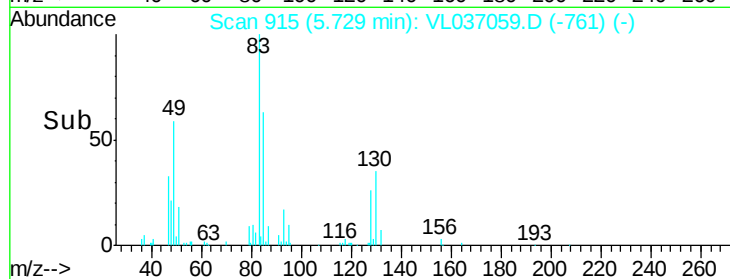
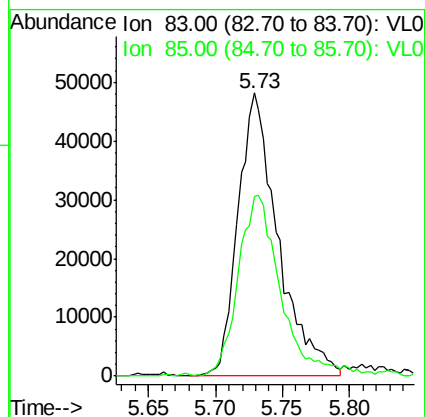
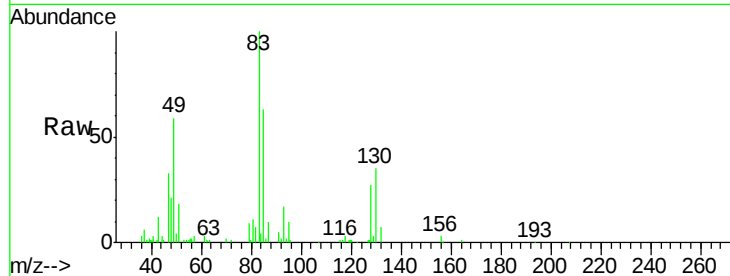
85 63.5 51.1 76.7

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#30

Cyclohexane

Concen: 0.467 ppbv m

RT: 7.10 min Scan# 1342

Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

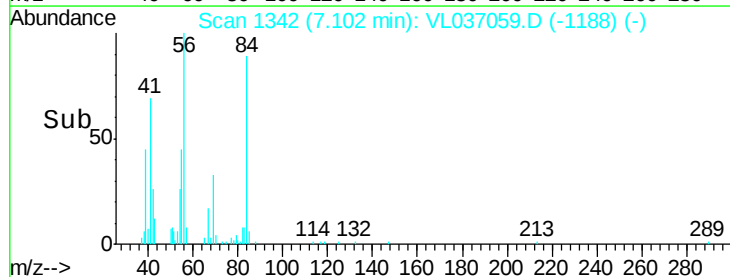
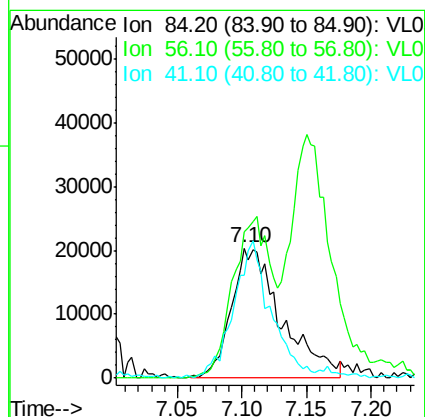
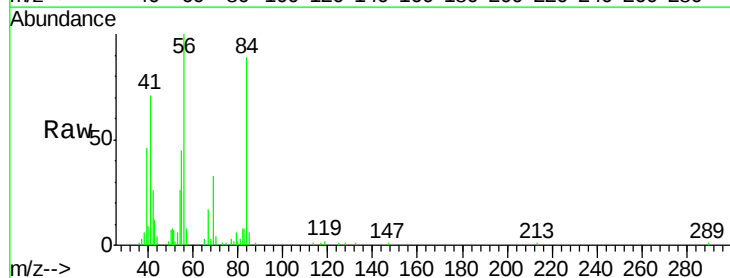
Tgt Ion: 84 Resp: 55045

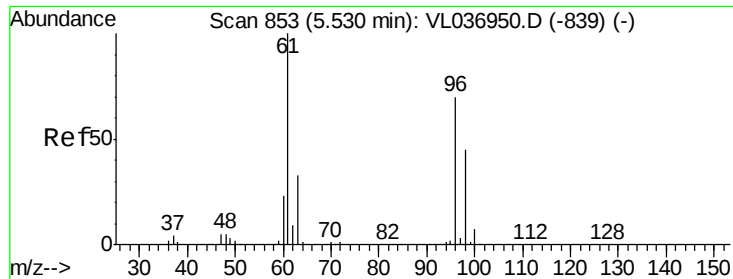
Ion Ratio Lower Upper

84 100

56 0.0 107.9 161.9#

41 0.0 65.5 98.3#





#31

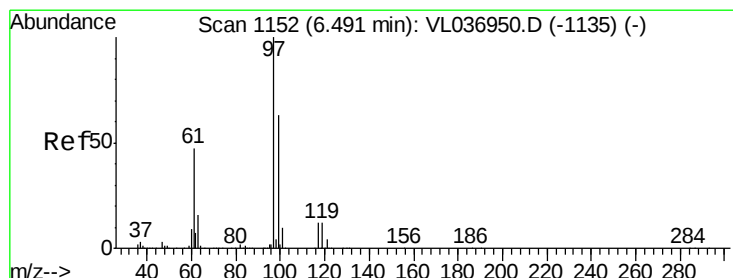
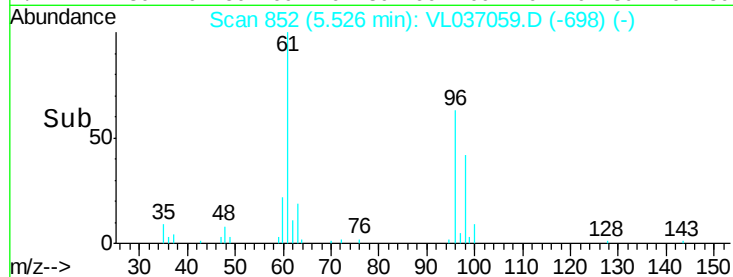
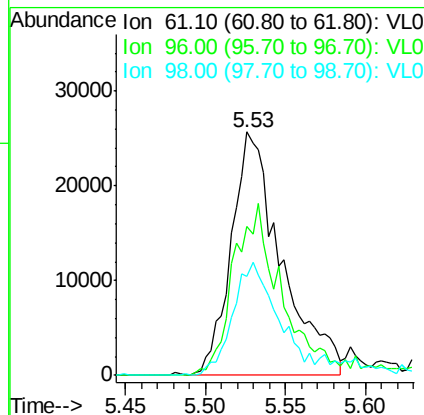
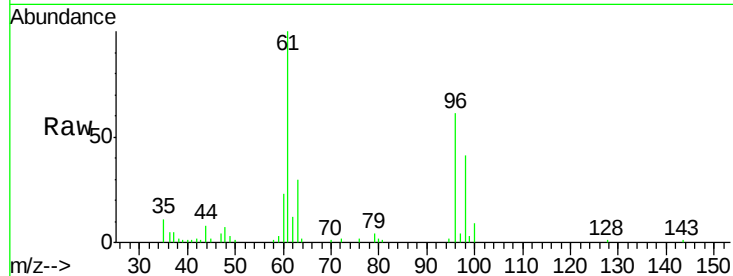
cis-1,2-Dichloroethene
Concen: 0.444 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	55189		
96	61.2		55.9	83.9
98	40.9		35.6	53.4

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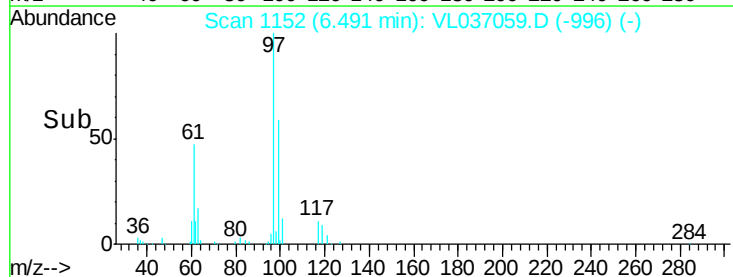
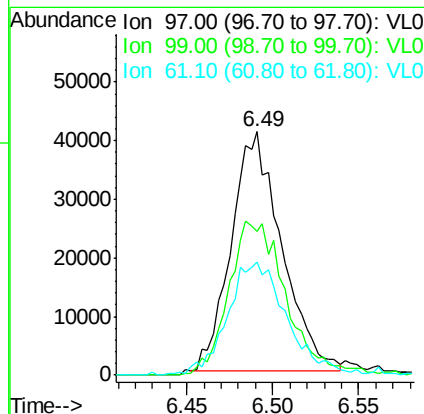
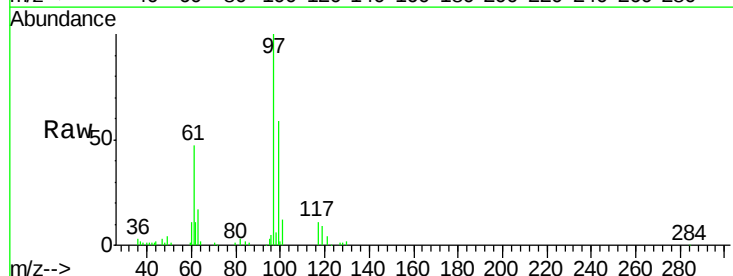
MMDadoda
5/27/2021 10:31:31 AM

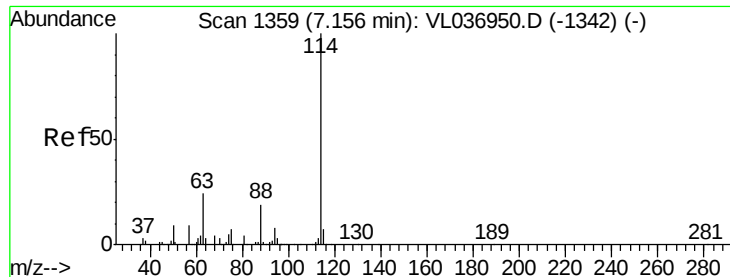


#32

1,1,1-Trichloroethane
Concen: 0.395 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	83033		
99	74.5		51.9	77.9
61	56.6		37.6	56.4#





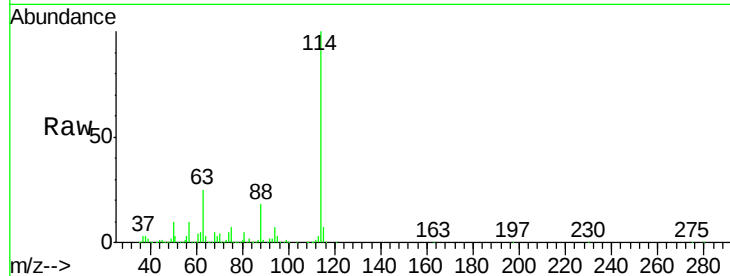
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

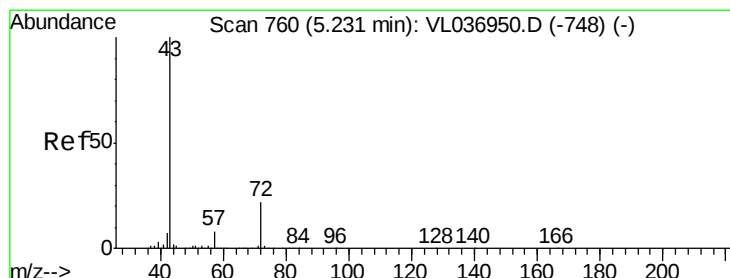
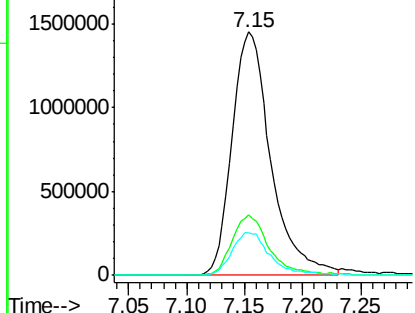
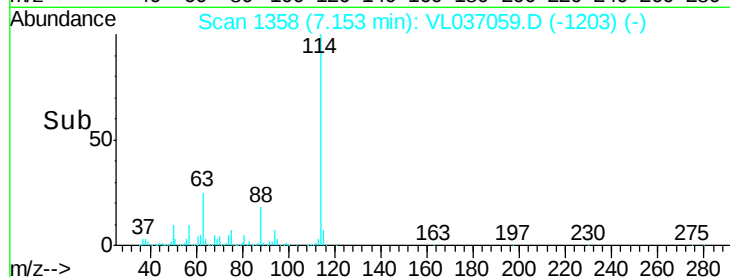
Tgt Ion: 114 Resp: 3371769
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 17.9 14.6 21.8

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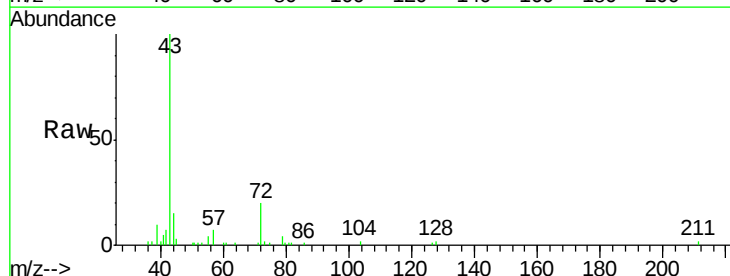


Abundance Ion 114.10 (113.80 to 114.80): VL0
 2000000
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

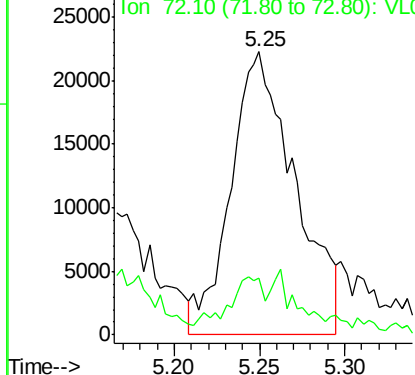
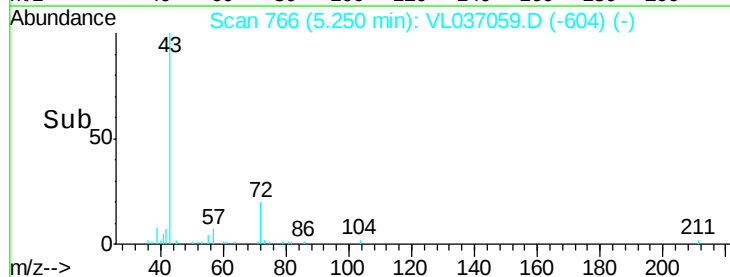


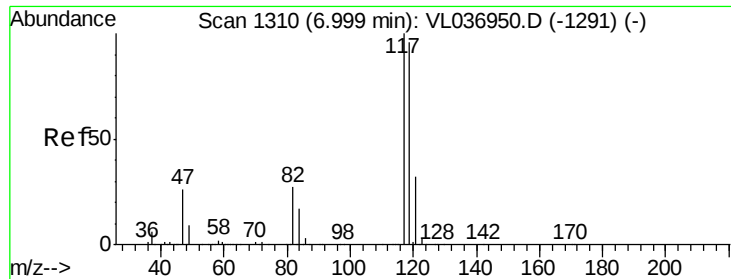
#34
 2-Butanone
 Concen: 0.477 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion: 43 Resp: 58549
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.0 28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 25000
 Ion 72.10 (71.80 to 72.80): VL0





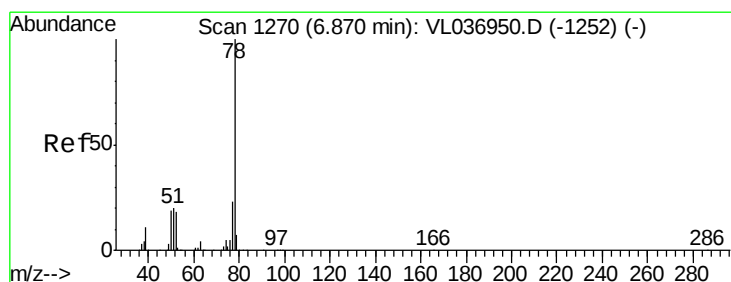
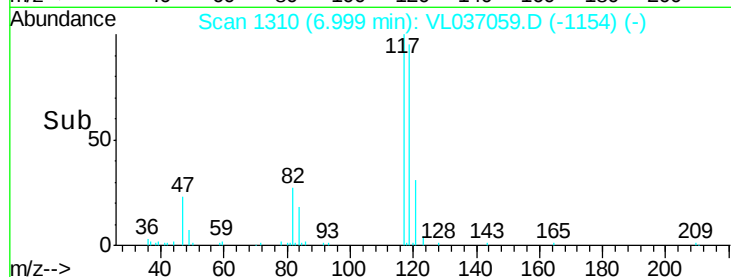
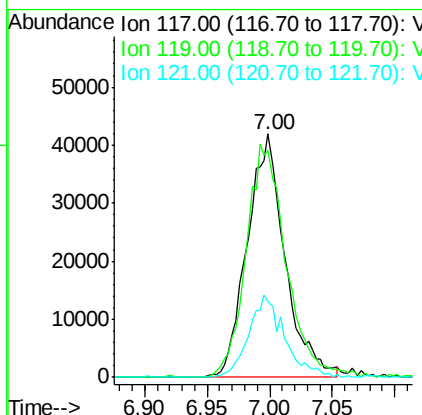
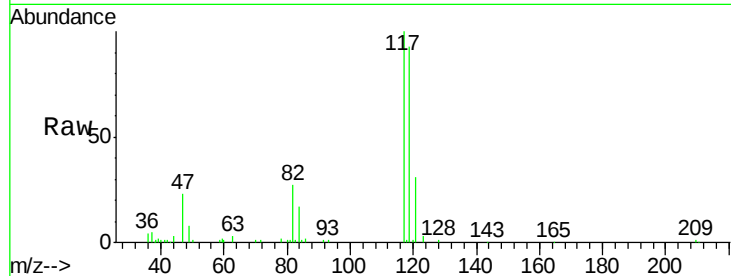
#35
Carbon Tetrachloride
Concen: 0.392 ppbv m
RT: 7.00 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.6	114.8
121	31.1	25.8	38.6

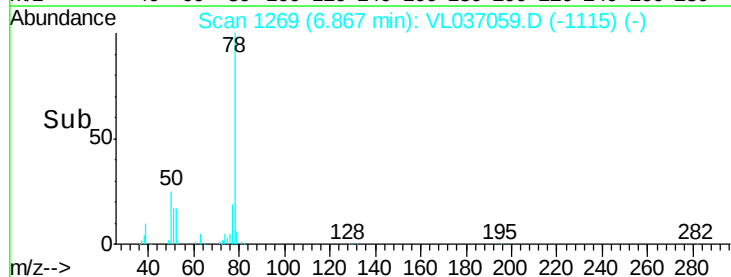
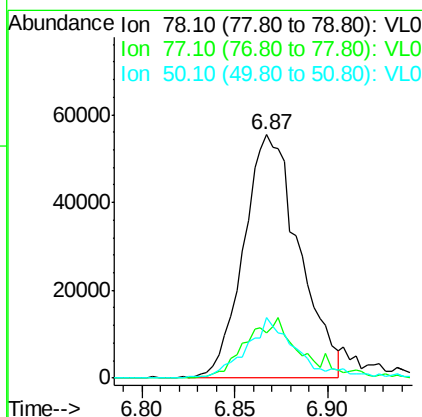
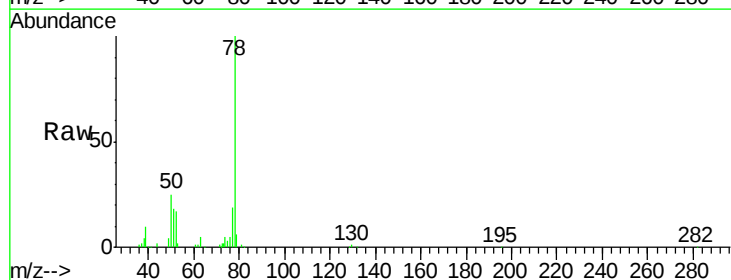
Manual Integrations
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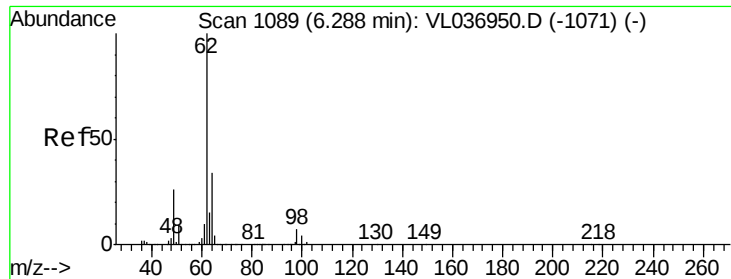
MMDadoda
5/27/2021 10:31:31 AM



#36
Benzene
Concen: 0.395 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.6	18.6	28.0
50	24.2	15.0	22.4#





#37

1,2-Dichloroethane

Concen: 0.457 ppbv

RT: 6.29 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

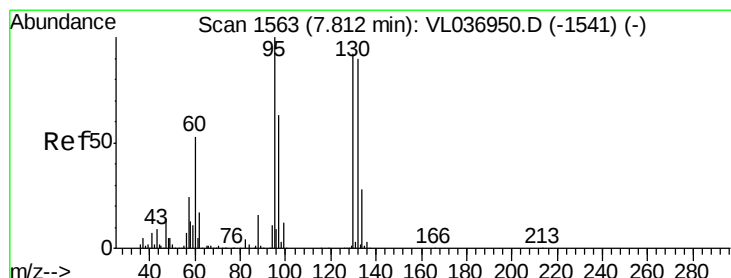
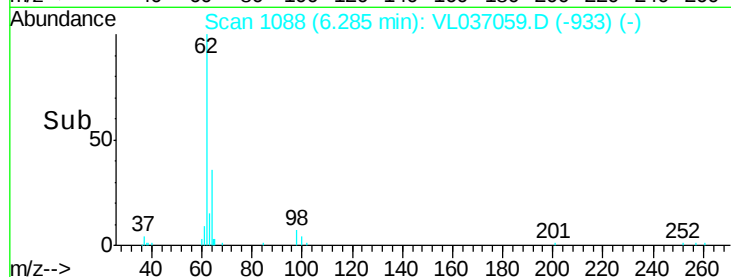
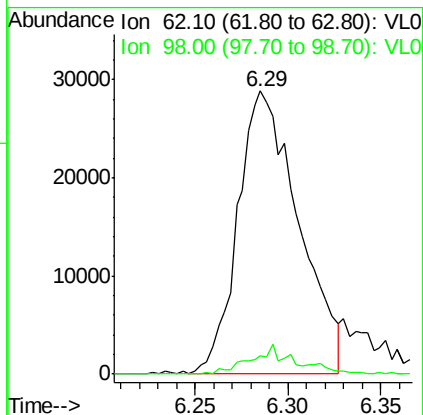
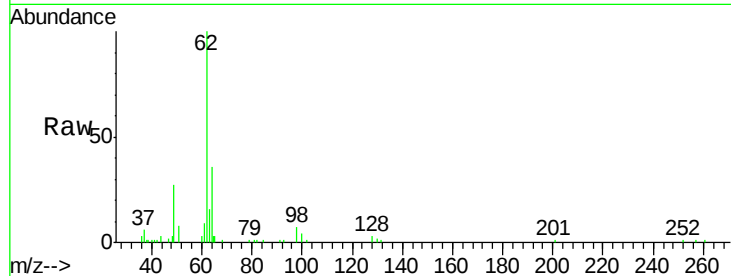
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	65863		
98	7.6	5.5	8.3	

Manual Integrations
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#38

Trichloroethene

Concen: 0.434 ppbv

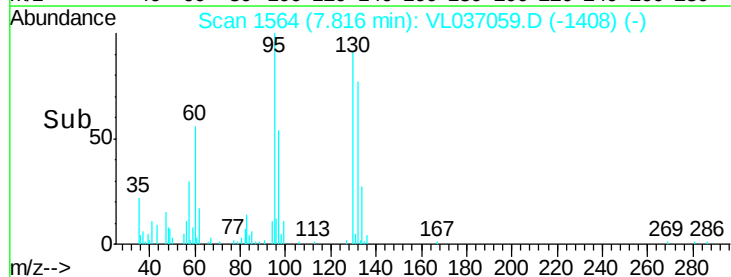
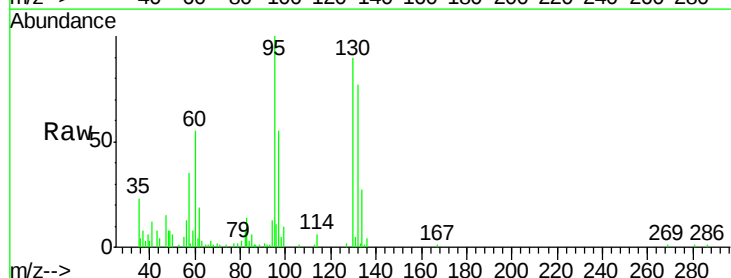
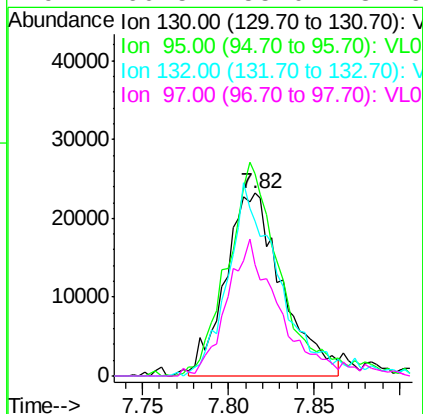
RT: 7.82 min Scan# 1564

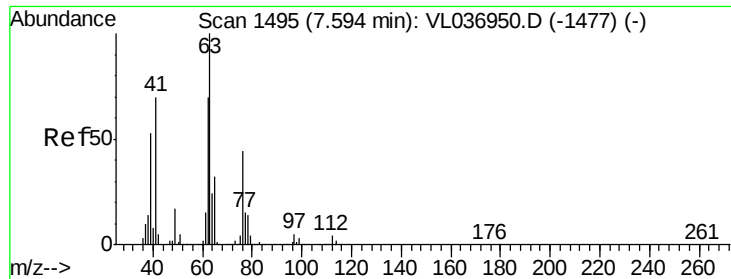
Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	53864		
95	108.9	86.9	130.3	
132	85.0	78.4	117.6	
97	60.5	55.0	82.6	





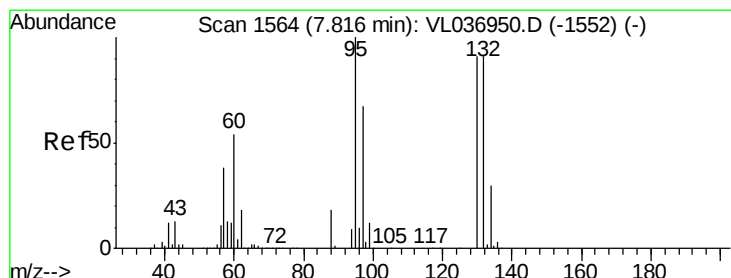
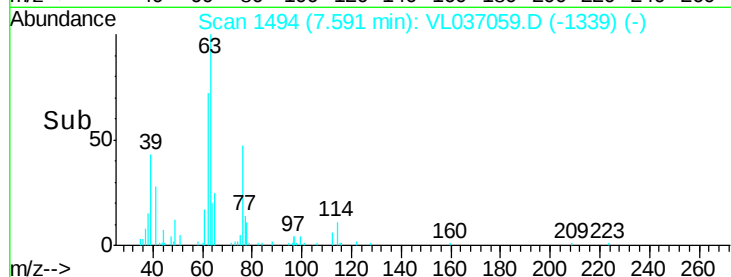
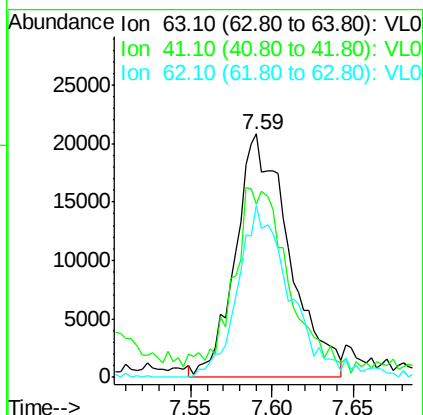
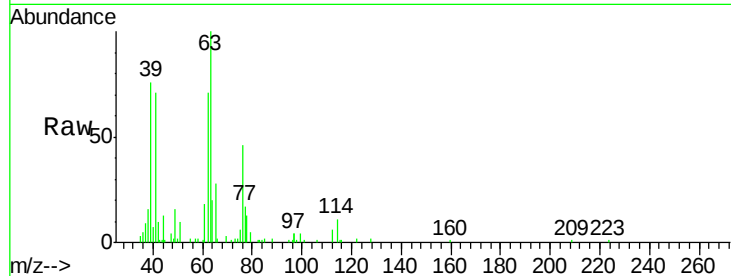
#39
 1,2-Dichloropropane
 Concen: 0.426 ppbv m
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Lower	Upper
63	100		
41	71.1	55.7	83.5
62	70.8	56.2	84.4

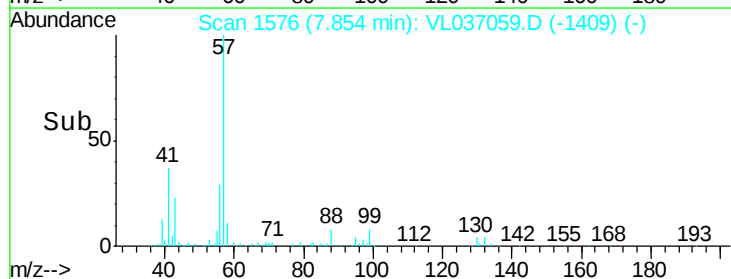
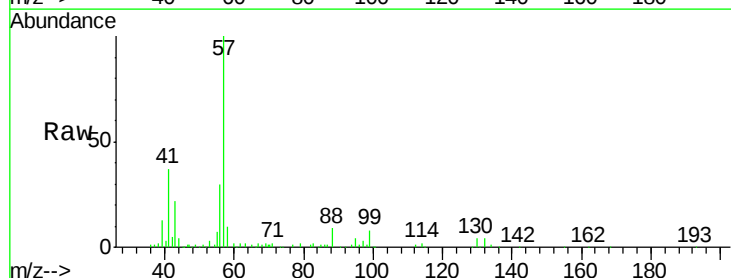
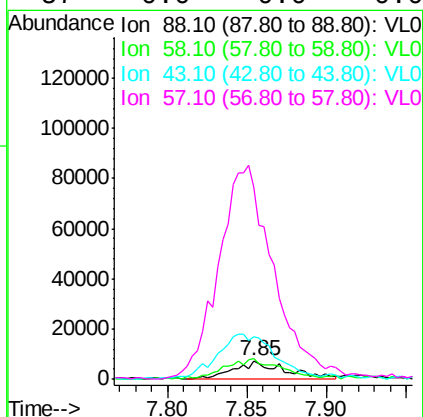
Manual Integrations
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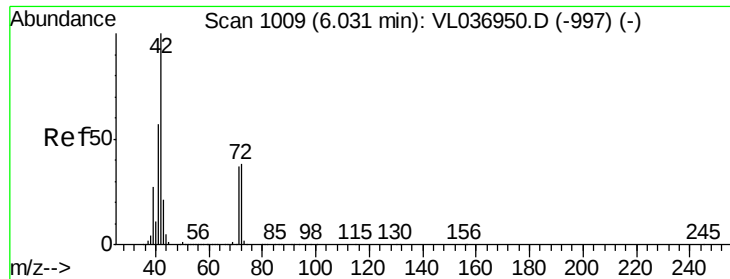
MMDadoda
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#40
 1,4-Dioxane
 Concen: 0.605 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.04 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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





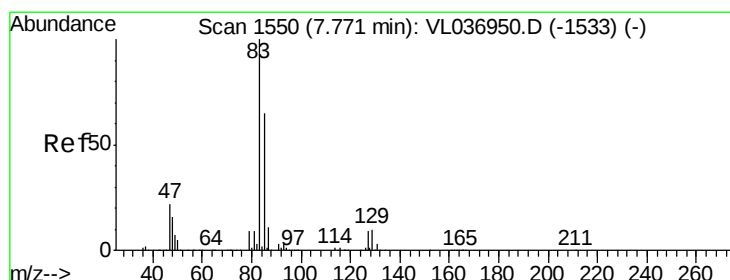
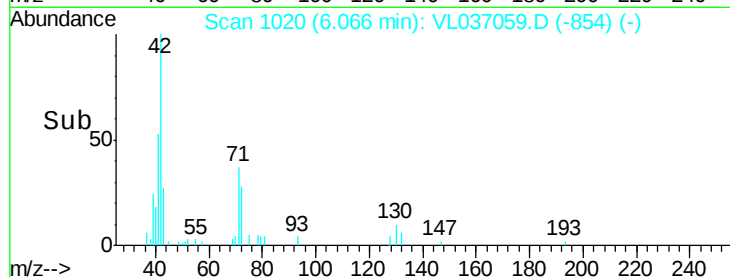
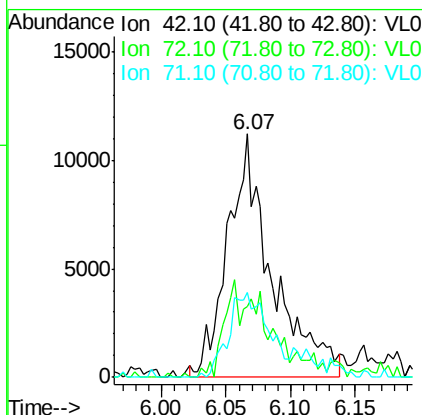
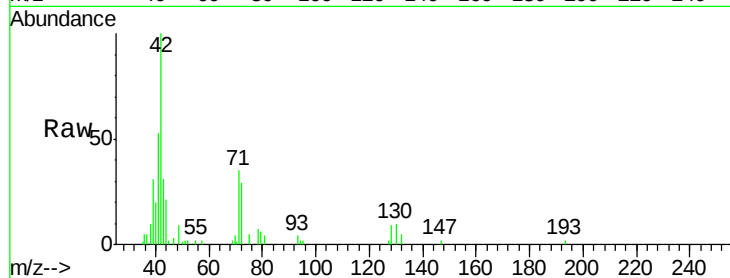
#41
Tetrahydrofuran
Concen: 0.381 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.04 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

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

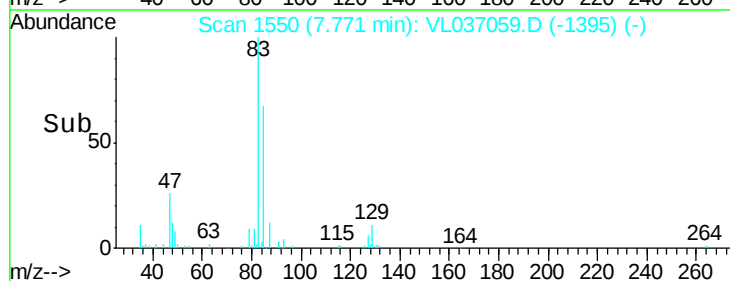
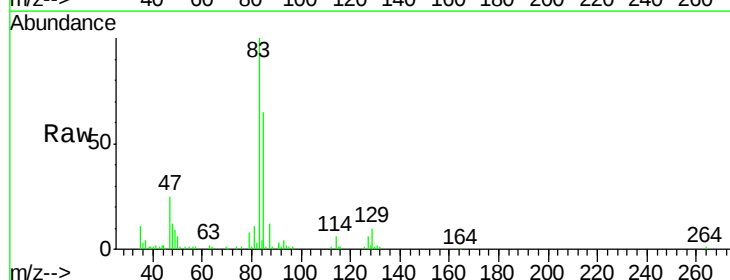
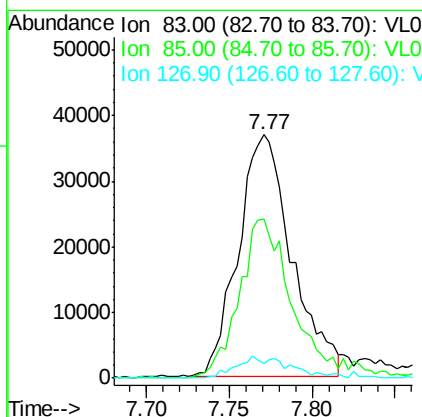
Manual Integrations
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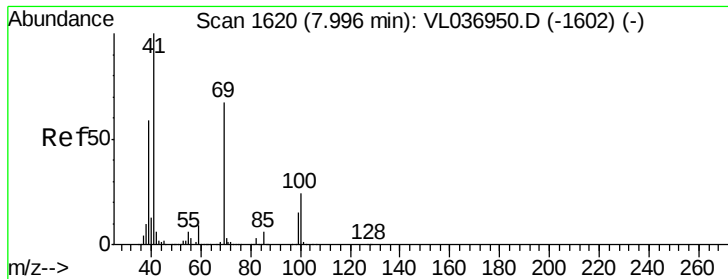
MMDadoda
5/27/2021 10:31:31 AM



#42
Bromodichloromethane
Concen: 0.381 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.7	77.5
127	6.1	6.9	10.3#





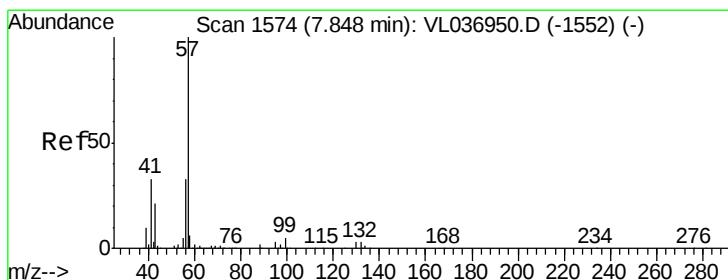
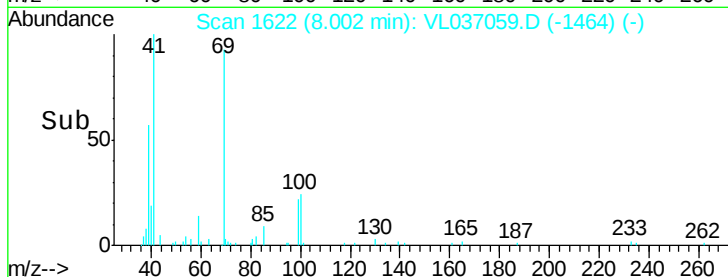
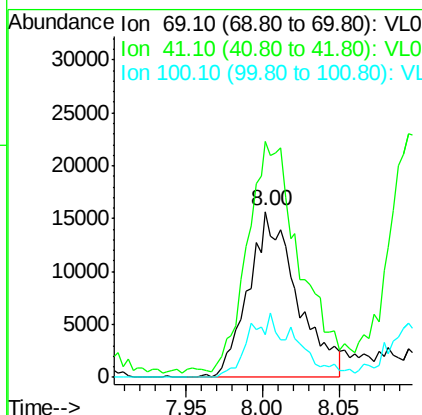
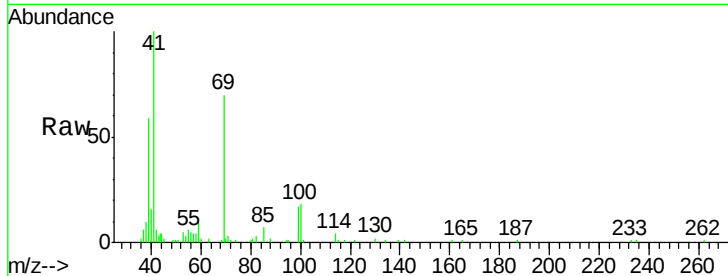
#43
Methyl Methacrylate
Concen: 0.346 ppbv m
RT: 8.00 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Lower	Upper
69	100		
41	153.2	118.6	178.0
100	38.2	28.2	42.4

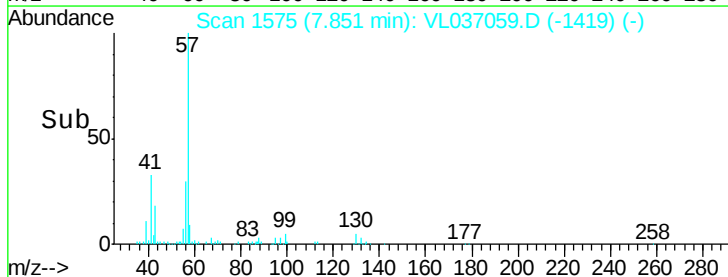
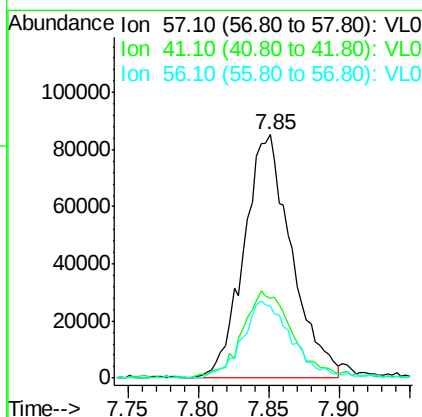
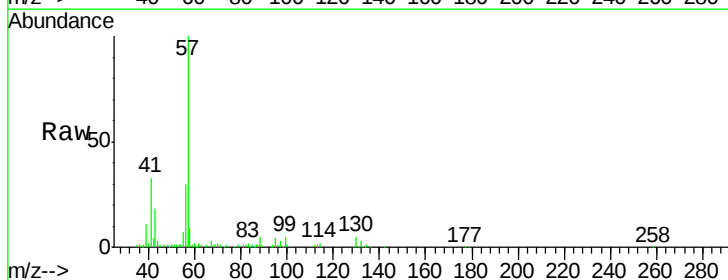
Manual Integrations
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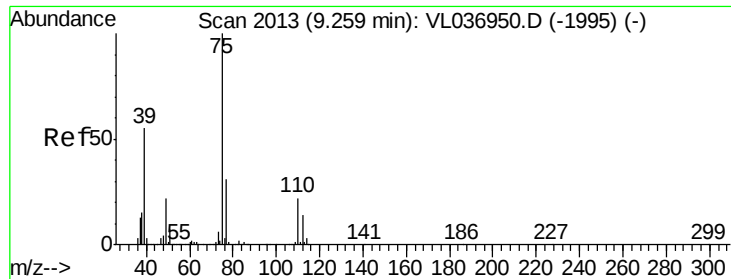
MMDadoda
5/27/2021 10:31:31 AM



#44
2,2,4-Trimethylpentane
Concen: 0.402 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
57	100		
41	39.4	27.0	40.4
56	33.5	25.4	38.2





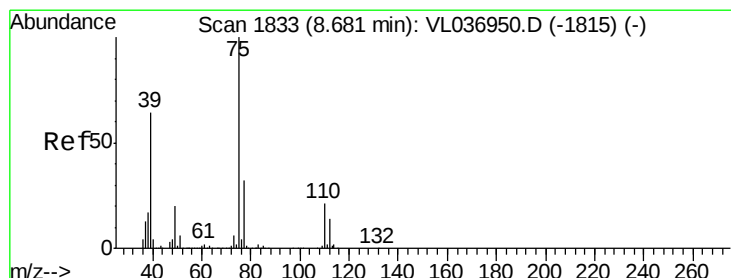
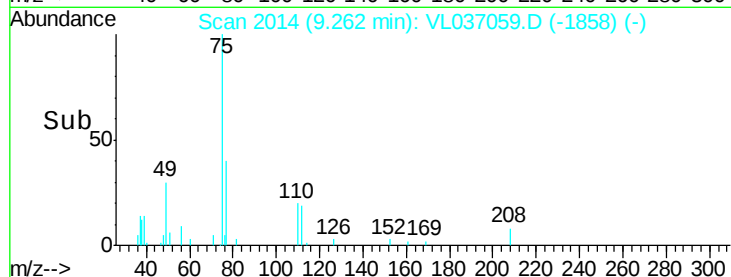
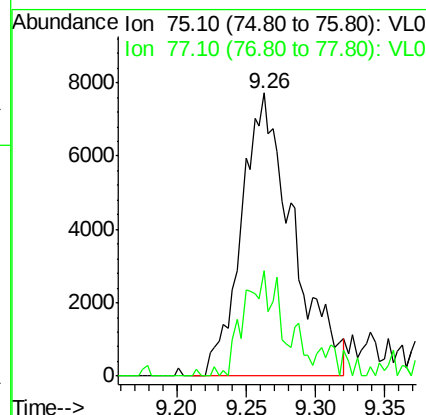
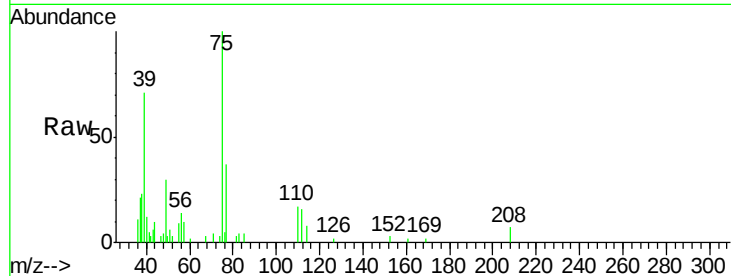
#45
 t-1,3-Dichloropropene
 Concen: 0.261 ppbv m
 RT: 9.26 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion: 75 Resp: 19973
 Ion Ratio Lower Upper
 75 100
 77 37.3 24.4 36.6#

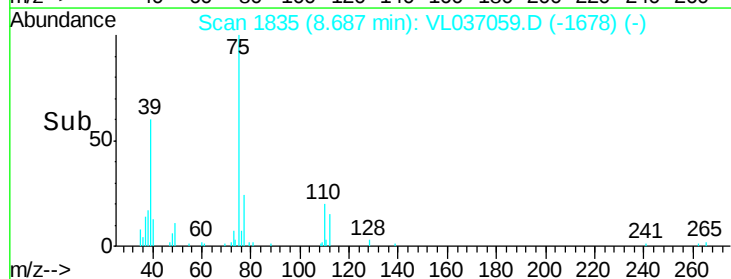
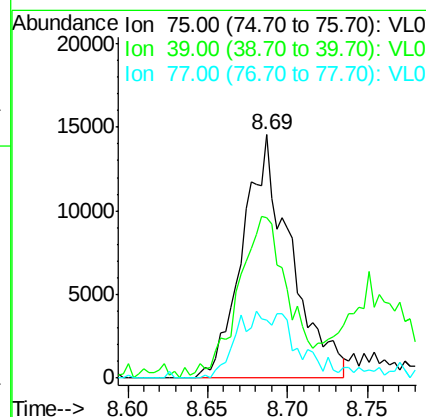
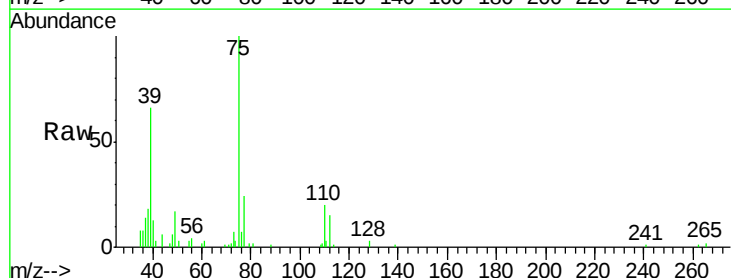
Manual Integrations
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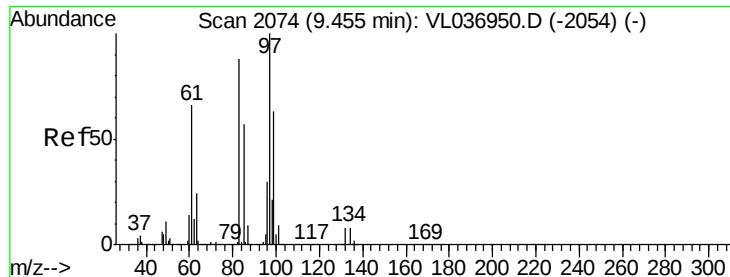
MMDadoda
 5/27/2021 10:31:31 AM



#46
 cis-1,3-Dichloropropene
 Concen: 0.298 ppbv m
 RT: 8.69 min Scan# 1835
 Delta R.T. 0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion: 75 Resp: 30628
 Ion Ratio Lower Upper
 75 100
 39 65.7 51.5 77.3
 77 23.6 25.9 38.9#





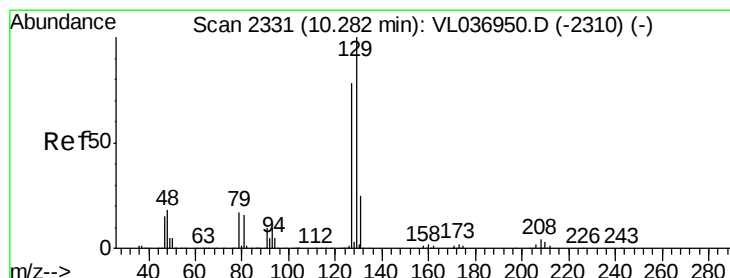
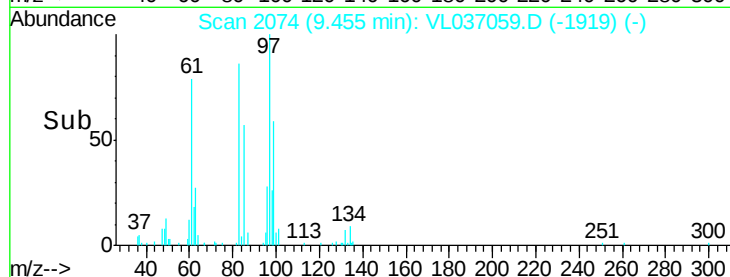
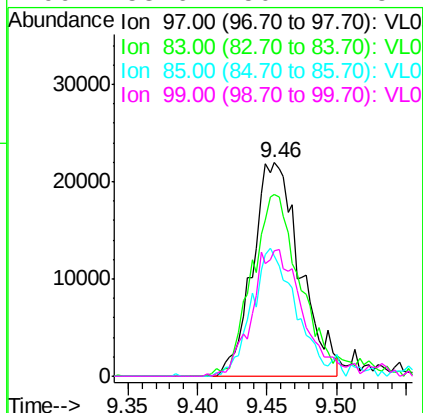
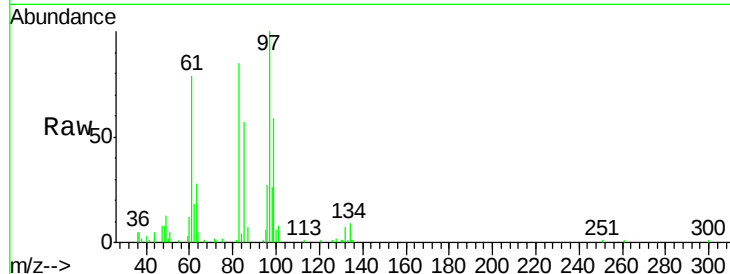
#47
 1,1,2-Trichloroethane
 Concen: 0.443 ppbv m
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.4	105.6
85	56.6	45.5	68.3
99	58.6	50.2	75.2

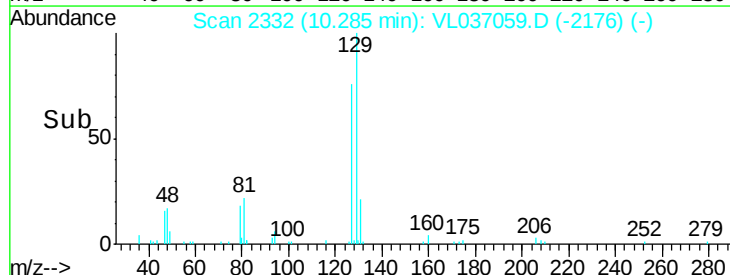
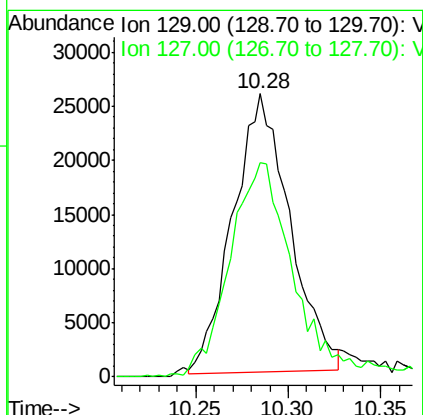
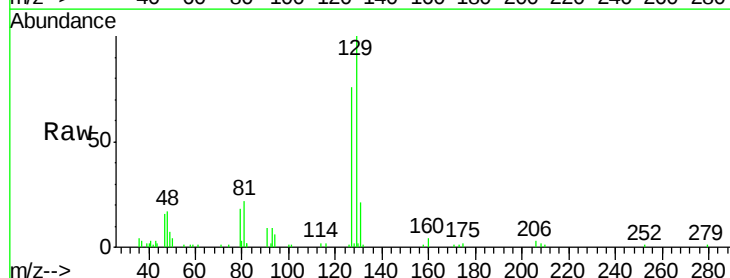
Manual Integrations
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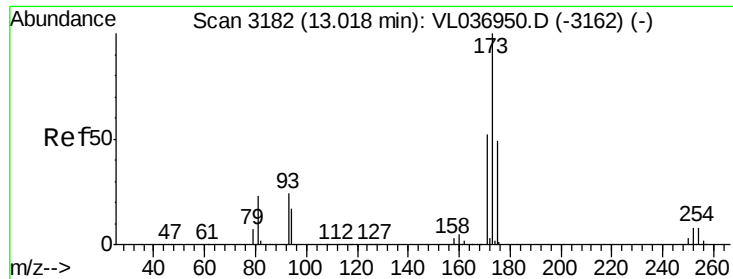
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.291 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	89.5	39.3	117.8





#49

Bromoform

Concen: 0.249 ppbv m

RT: 13.02 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

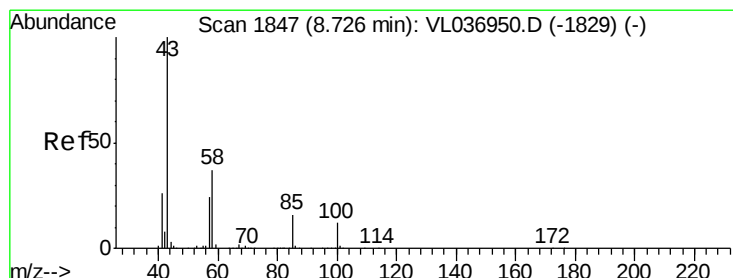
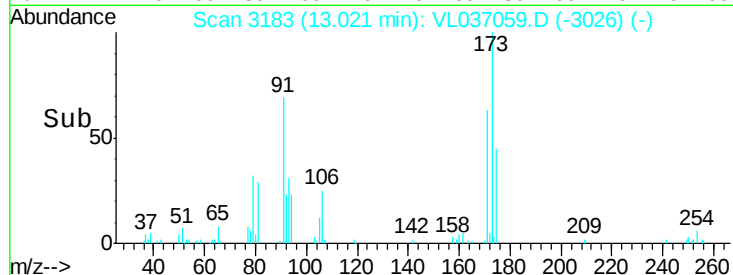
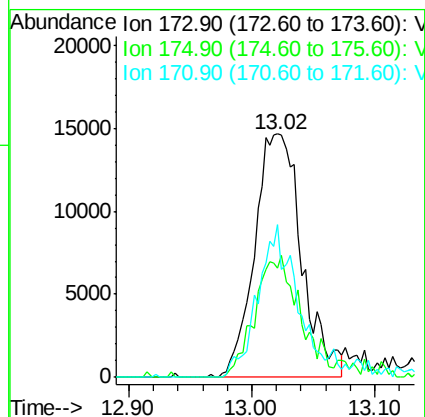
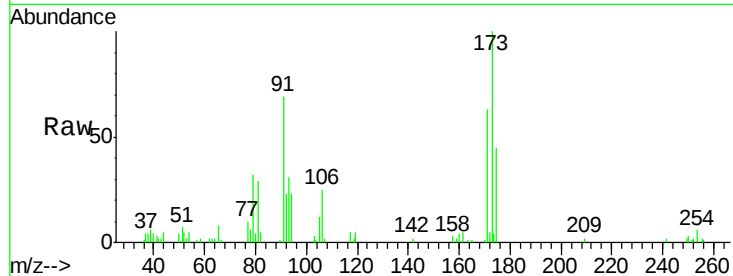
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	40.4	60.6#
171	0.0	42.6	64.0#

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#50

4-Methyl-2-Pentanone

Concen: 0.310 ppbv

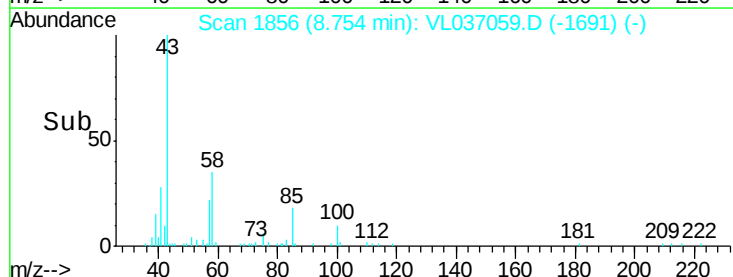
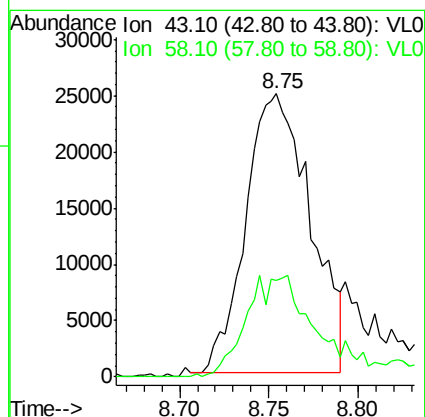
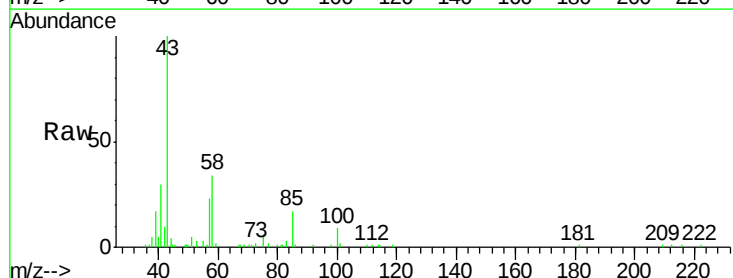
RT: 8.75 min Scan# 1856

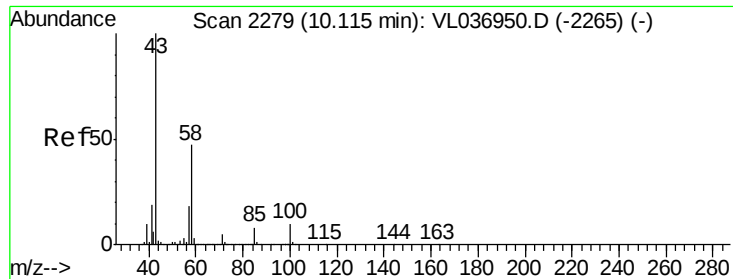
Delta R.T. 0.03 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.2	29.4	44.2#





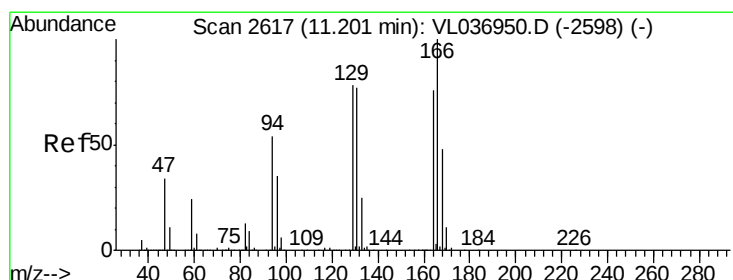
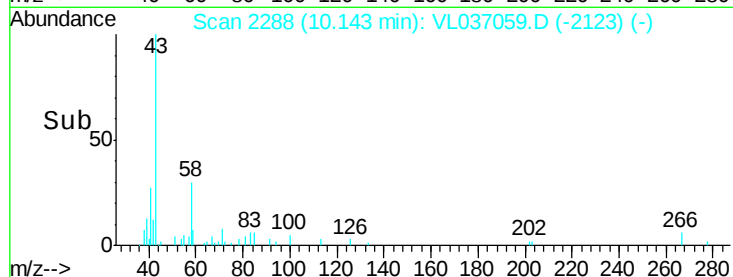
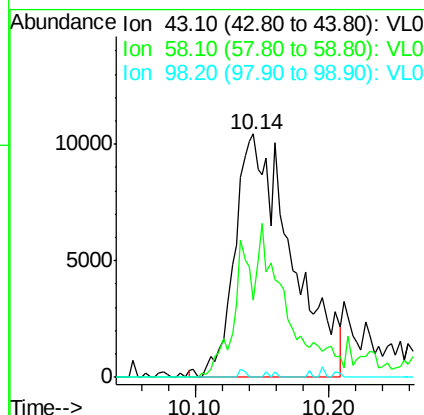
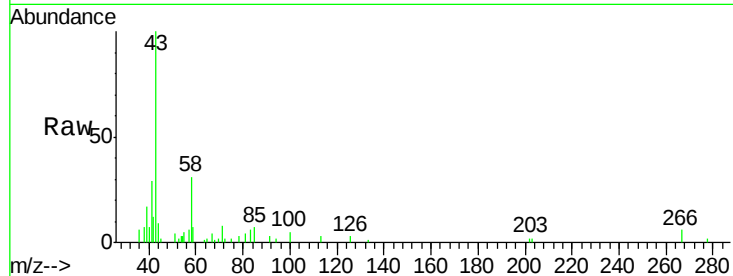
#51
2-Hexanone
Concen: 0.285 ppbv m
RT: 10.14 min Scan# 2288
Delta R.T. 0.03 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion: 43 Resp: 30570
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
98 0.0 0.1 0.1#

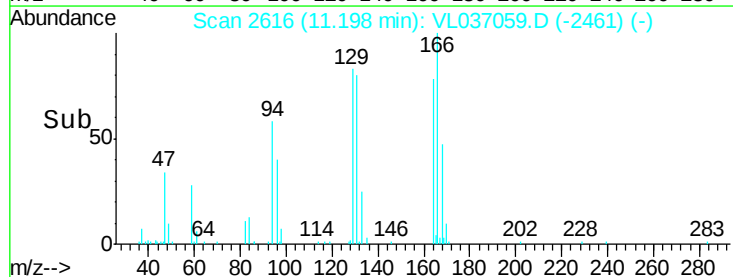
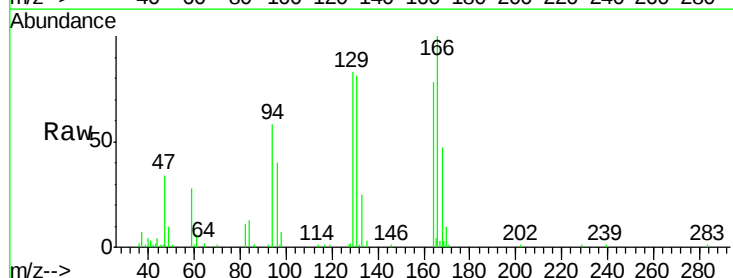
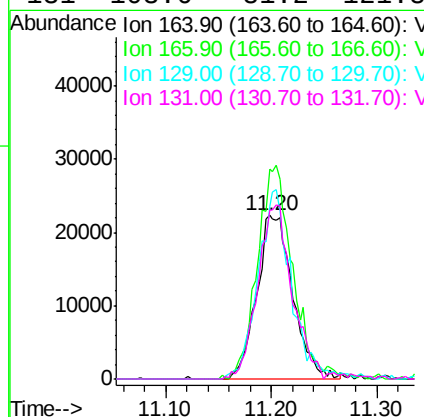
Manual Integrations
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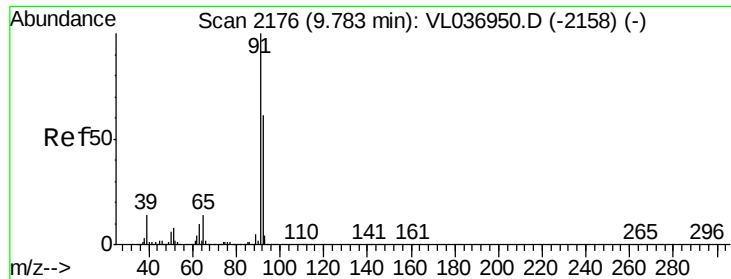
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#52
Tetrachloroethene
Concen: 0.455 ppbv m
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion: 164 Resp: 52554
Ion Ratio Lower Upper
164 100
166 128.2 105.5 158.3
129 106.1 81.8 122.8
131 103.6 81.2 121.8





#53

Toluene

Concen: 0.375 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 91 Resp: 129425

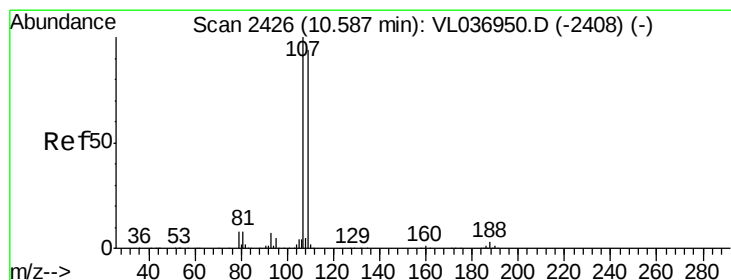
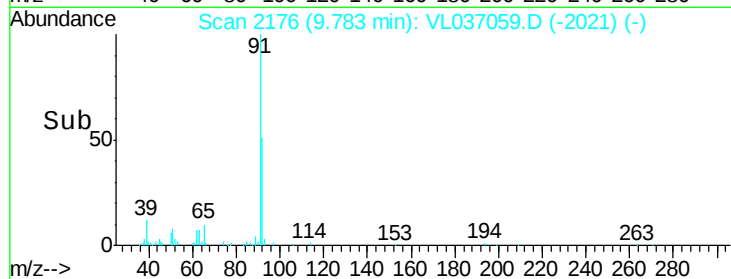
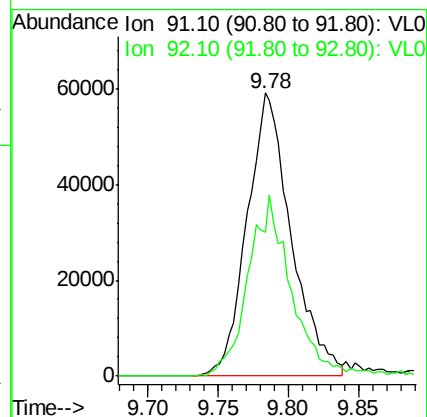
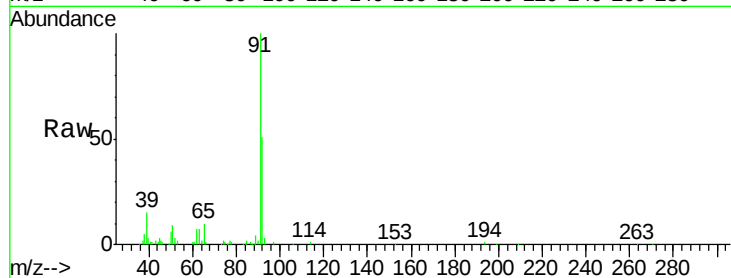
Ion Ratio Lower Upper

91 100

92 63.1 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 0.426 ppbv m

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037059.D

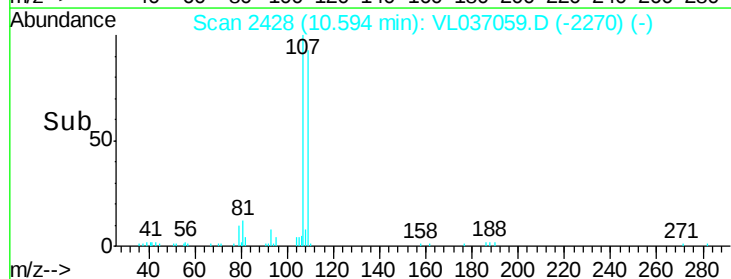
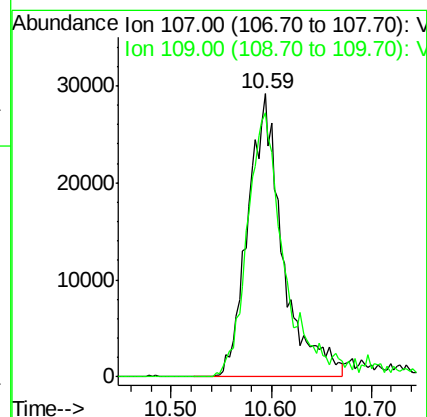
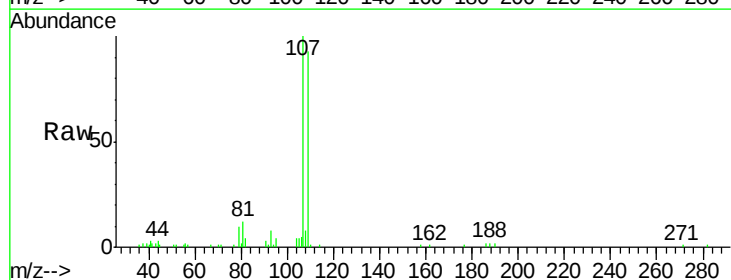
Acq: 25 May 2021 14:00

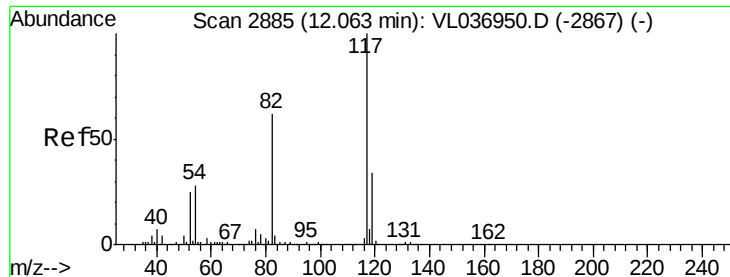
Tgt Ion: 107 Resp: 70998

Ion Ratio Lower Upper

107 100

109 93.3 75.0 112.4





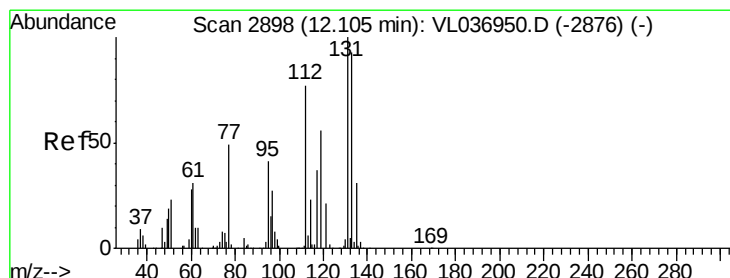
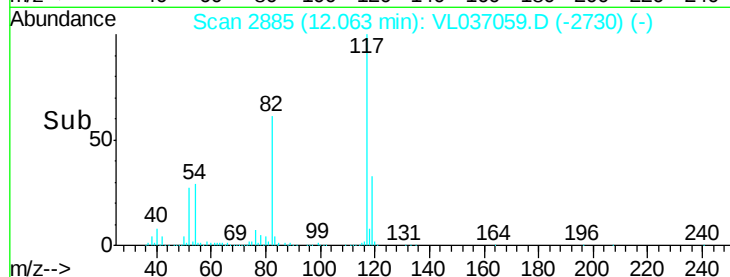
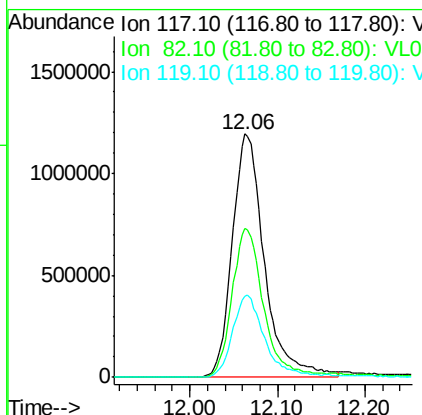
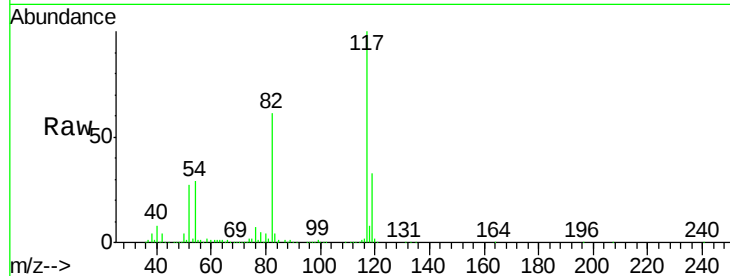
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion:117 Resp: 3057060
Ion Ratio Lower Upper
117 100
82 62.2 52.6 79.0
119 34.7 46.6 70.0#

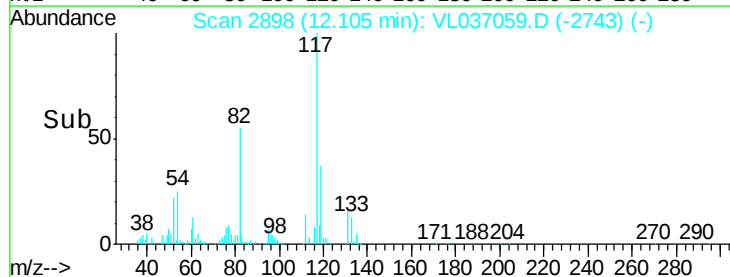
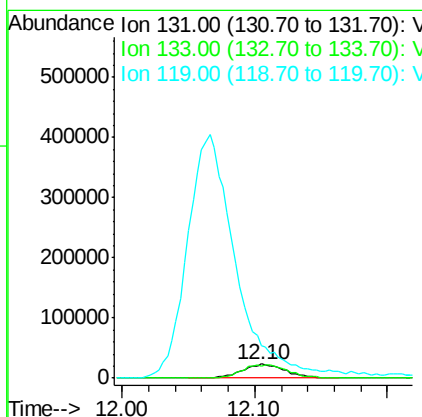
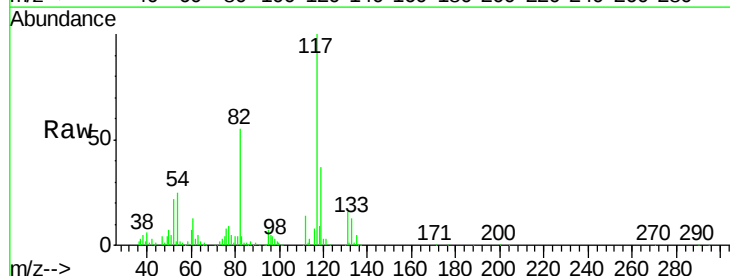
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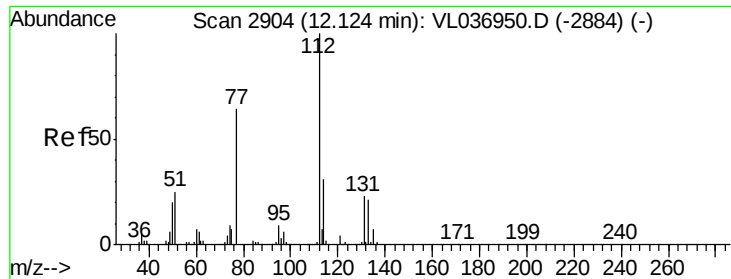
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.415 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion:131 Resp: 53345
Ion Ratio Lower Upper
131 100
133 103.0 76.9 115.3
119 1986.2 120.2 180.4#





#57

Chlorobenzene

Concen: 0.505 ppbv m

RT: 12.12 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

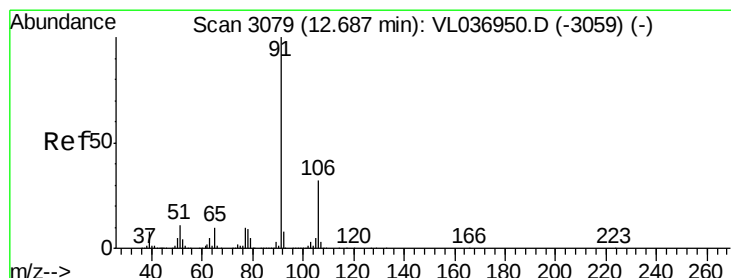
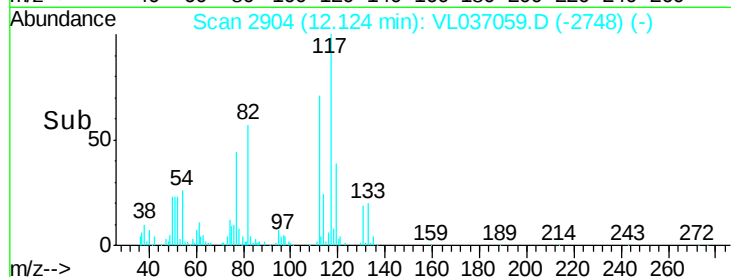
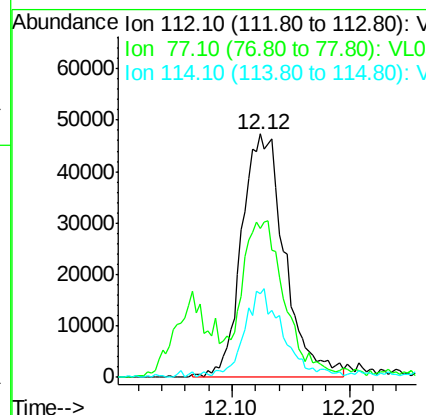
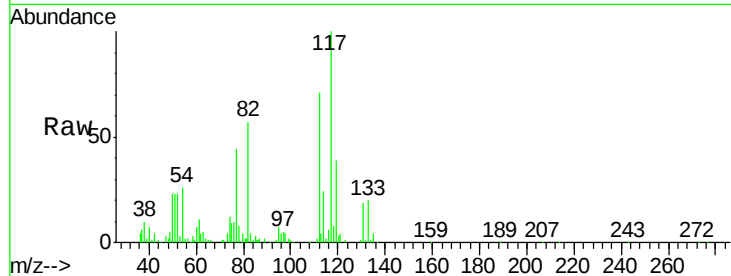
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	112	Resp:	119760
Ion Ratio	Lower	Upper	
112	100		
77	61.3	51.0	76.6
114	34.1	28.3	34.5

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.420 ppbv m

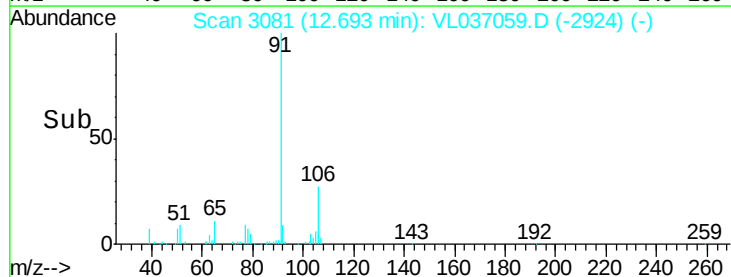
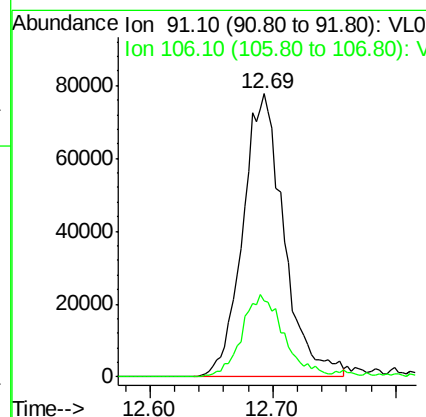
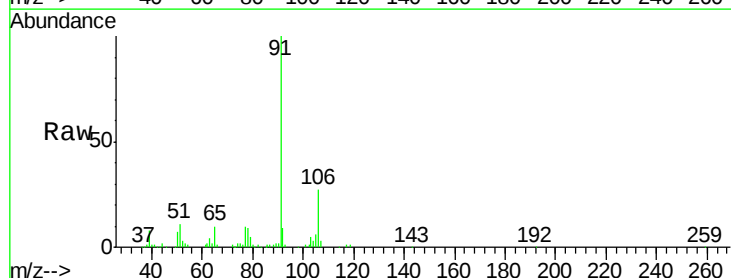
RT: 12.69 min Scan# 3081

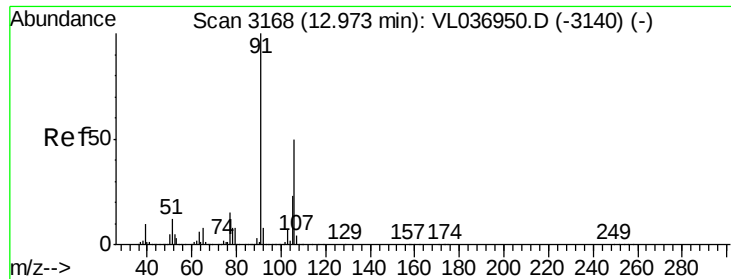
Delta R.T. 0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion:	91	Resp:	181232
Ion Ratio	Lower	Upper	
91	100		
106	26.9	25.6	38.4





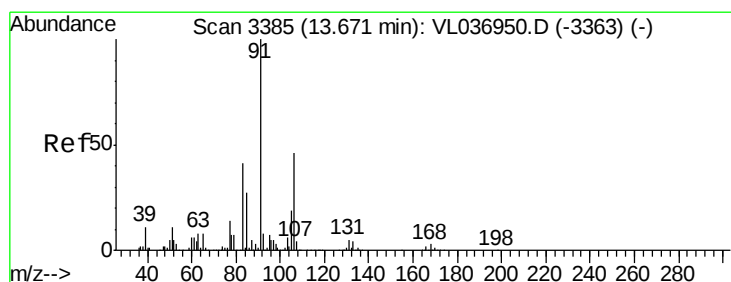
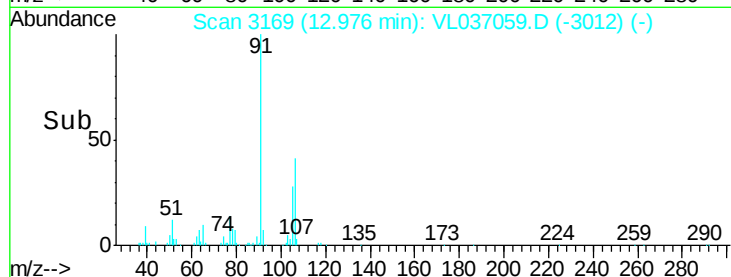
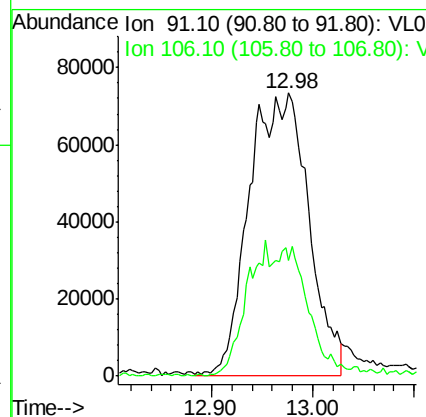
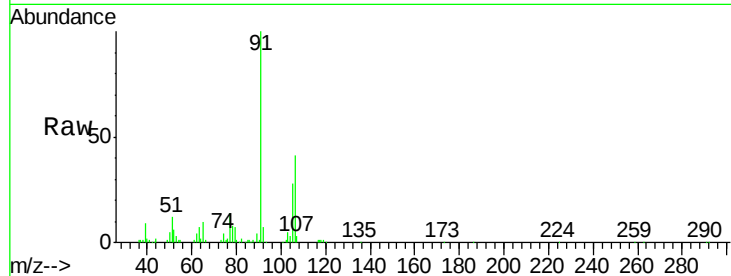
#59
m/p-Xylene
Concen: 0.838 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion: 91 Resp: 298920
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#

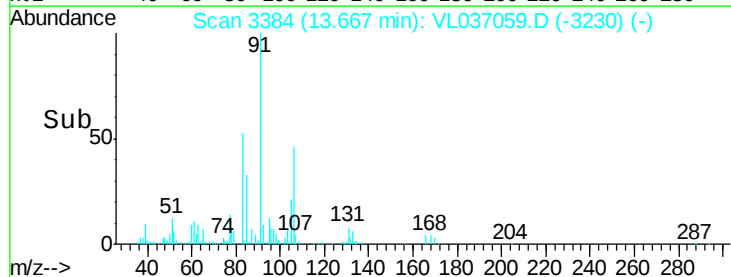
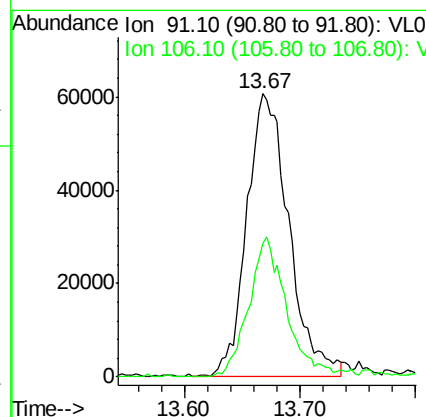
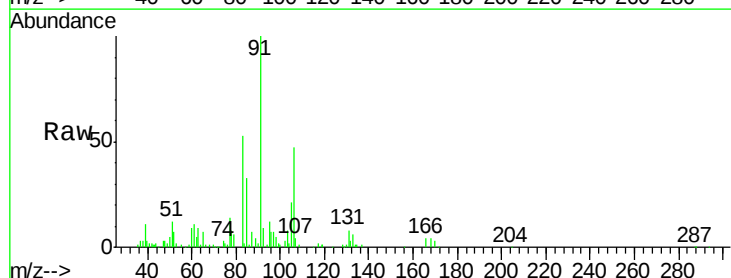
Manual Integrations
APPROVED

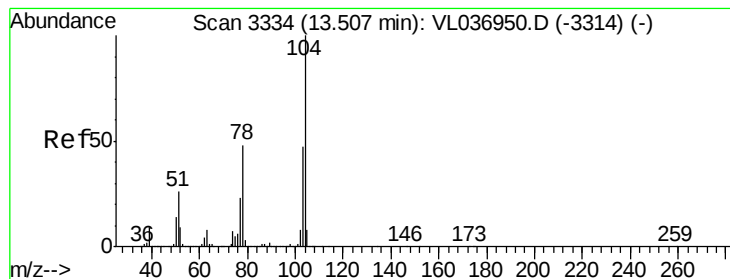
MMDadoda
5/27/2021 10:31:31 AM



#60
o-Xylene
Concen: 0.452 ppbv m
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion: 91 Resp: 153861
Ion Ratio Lower Upper
91 100
106 44.7 23.4 70.3





#61

Styrene

Concen: 0.320 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

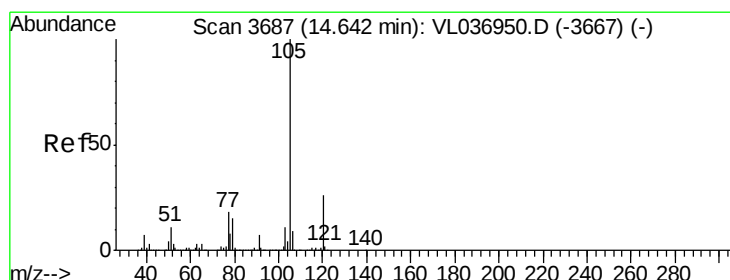
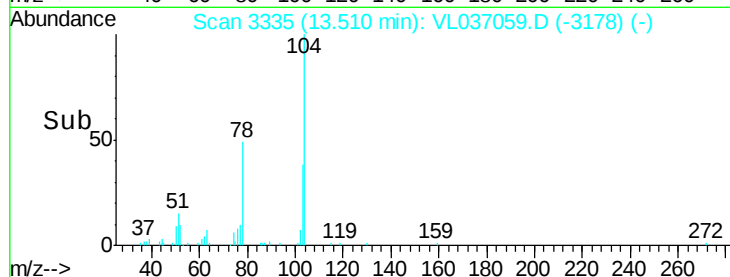
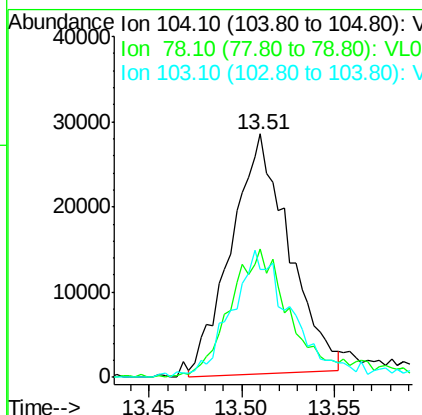
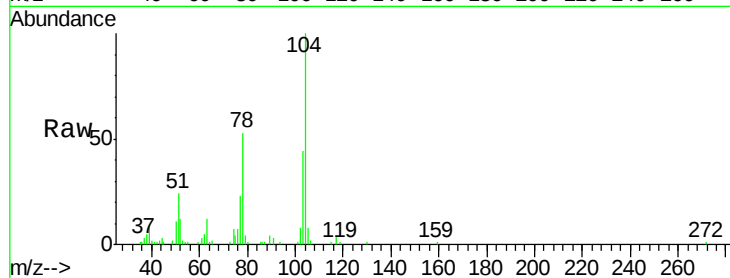
ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion:	104	Resp:	61370
Ion Ratio	Lower	Upper	
104	100		
78	58.7	39.0	58.6#
103	55.9	38.0	57.0

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#62

Isopropylbenzene

Concen: 0.419 ppbv

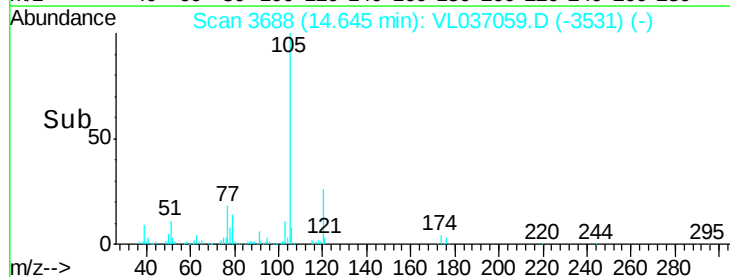
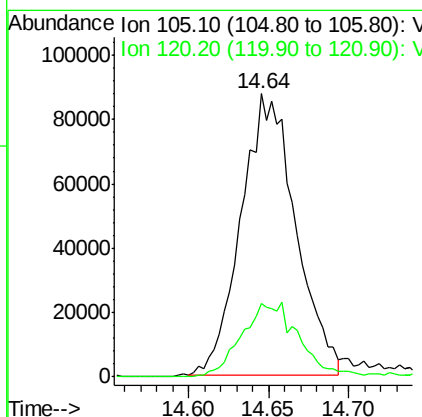
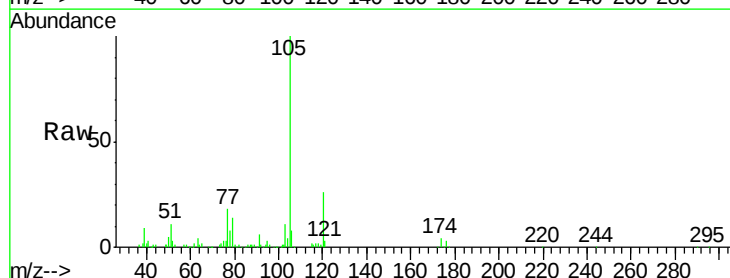
RT: 14.64 min Scan# 3688

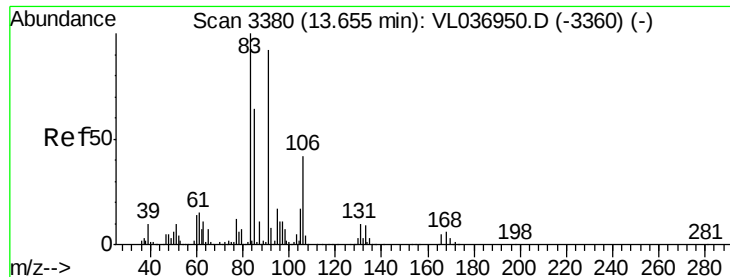
Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion:	105	Resp:	204811
Ion Ratio	Lower	Upper	
105	100		
120	28.3	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.415 ppbv m

RT: 13.66 min Scan# 3383

Delta R.T. 0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 83 Resp: 105422
Ion Ratio Lower Upper

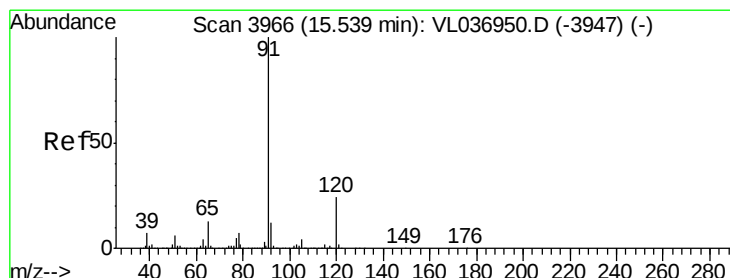
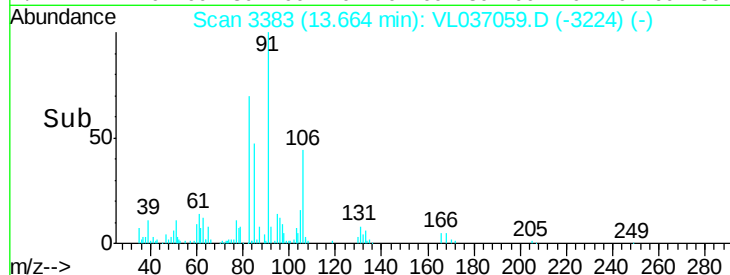
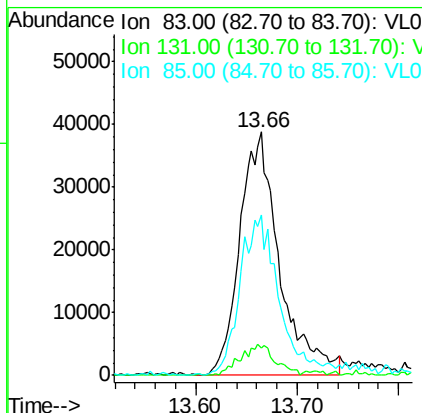
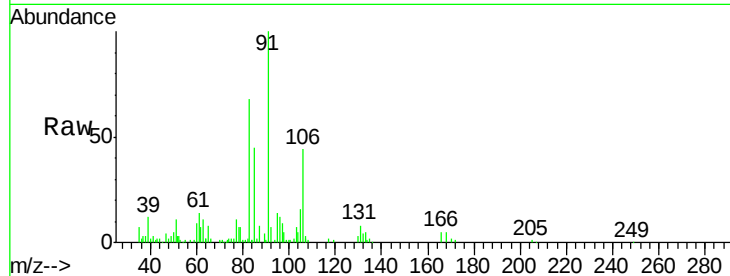
83 100

131 0.0 5.0 15.0#

85 0.0 32.9 98.6#

Manual Integrations
APPROVED

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



#64

n-propylbenzene

Concen: 0.367 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

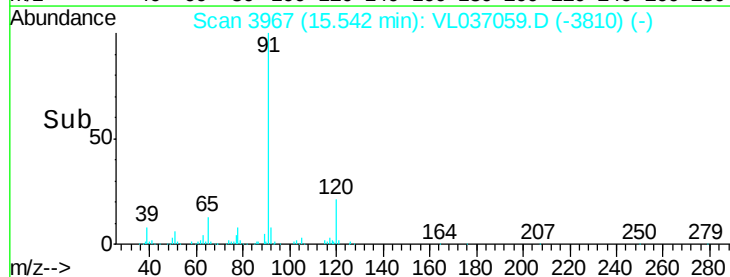
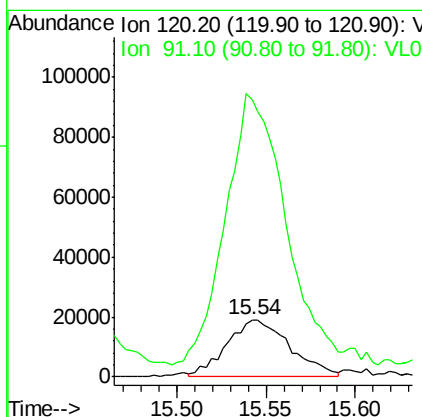
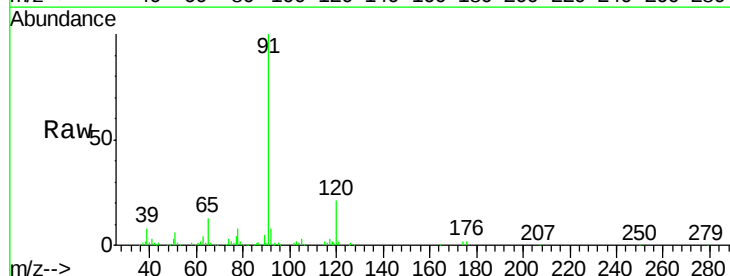
Lab File: VL037059.D

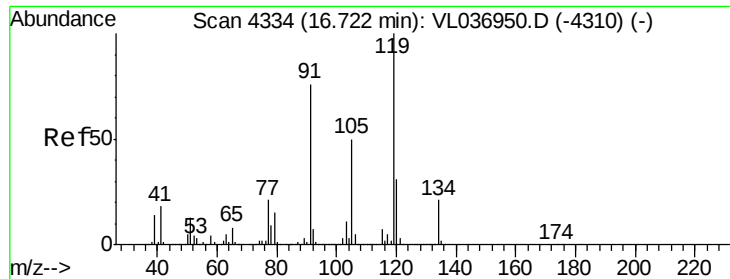
Acq: 25 May 2021 14:00

Tgt Ion: 120 Resp: 46319
Ion Ratio Lower Upper

120 100

91 542.0 343.8 515.6#





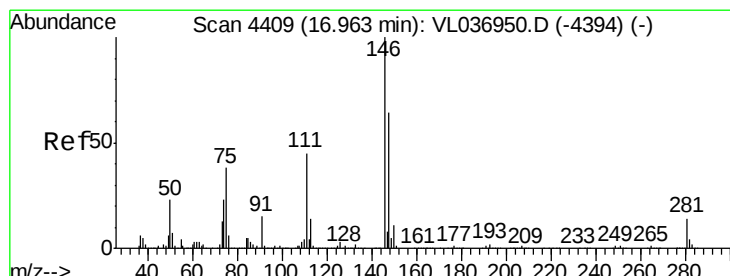
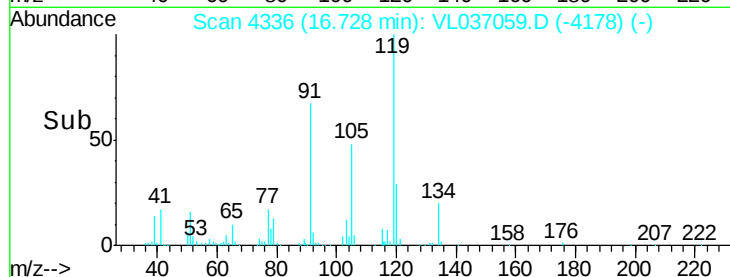
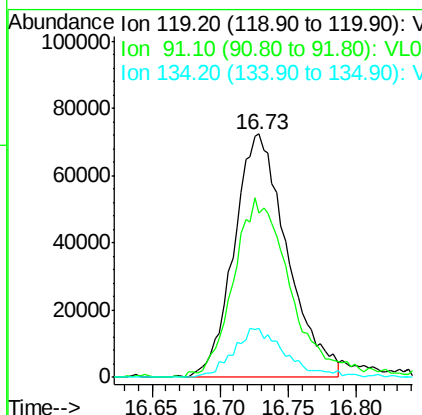
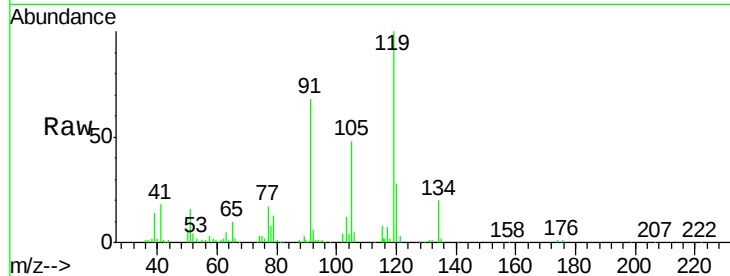
#65
tert-Butylbenzene
Concen: 0.444 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. 0.01 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	196044		
91	80.4	61.9	92.9	
134	20.3	16.2	24.4	

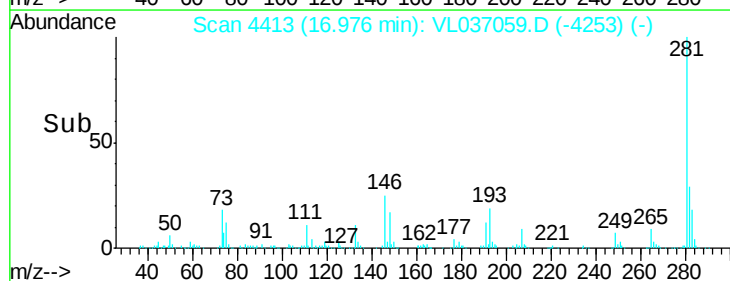
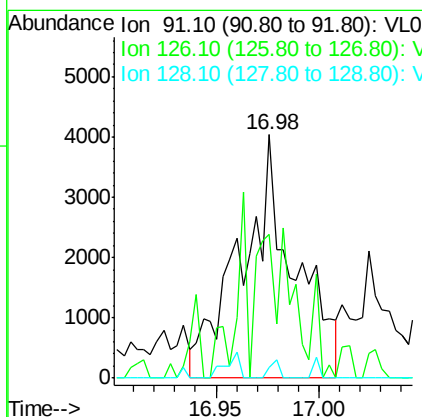
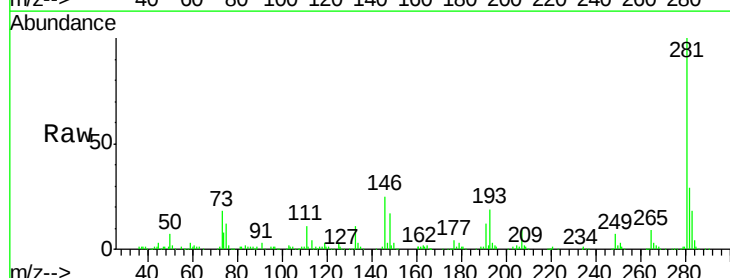
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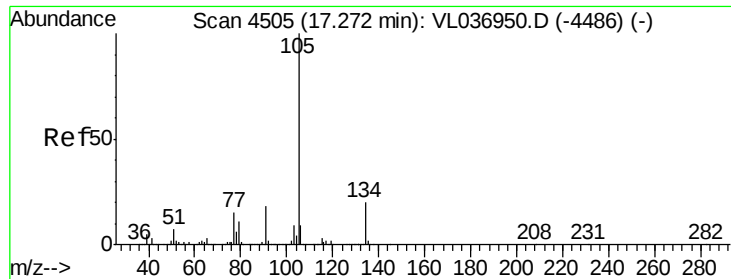
MMDadoda
5/27/2021 10:31:31 AM



#66
Benzyl Chloride
Concen: 0.293 ppbv m
RT: 16.98 min Scan# 4413
Delta R.T. 0.01 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	7176		
126	70.3	16.5	24.7#	
128	2.8	5.5	8.3#	





#67

sec-Butylbenzene

Concen: 0.410 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tgt Ion: 105 Resp: 246468

Ion Ratio Lower Upper

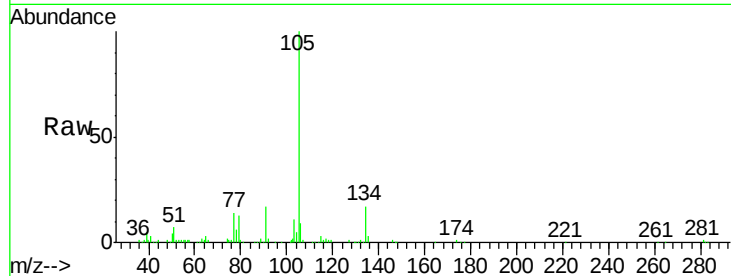
105 100

134 20.2 15.6 23.4

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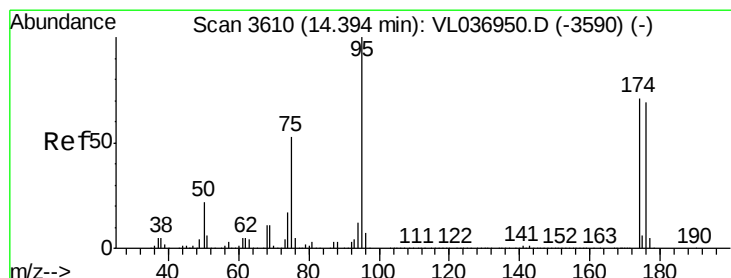
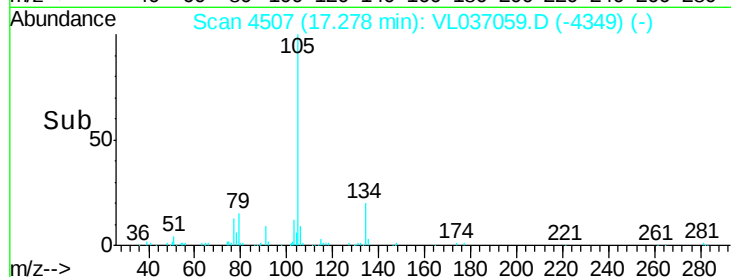
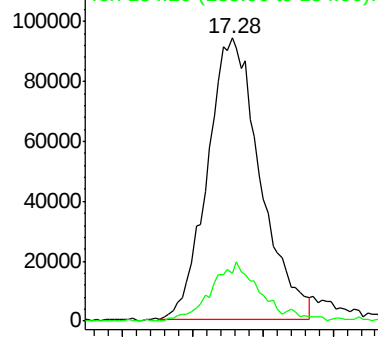
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.616 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

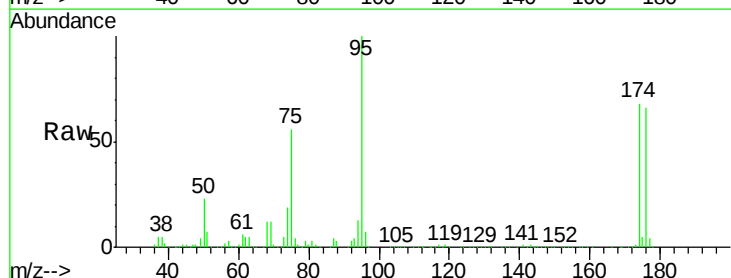
Tgt Ion: 95 Resp: 2208302

Ion Ratio Lower Upper

95 100

174 75.0 58.4 87.6

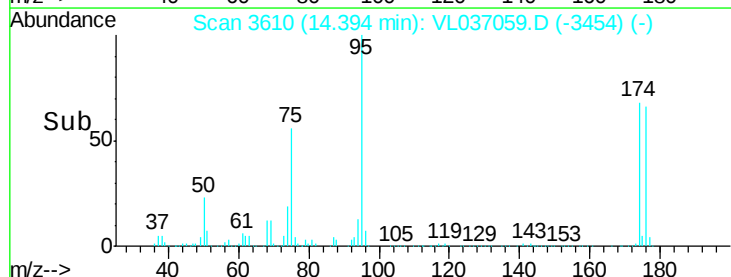
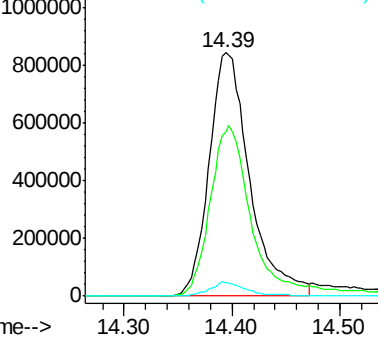
175 5.4 4.4 6.6

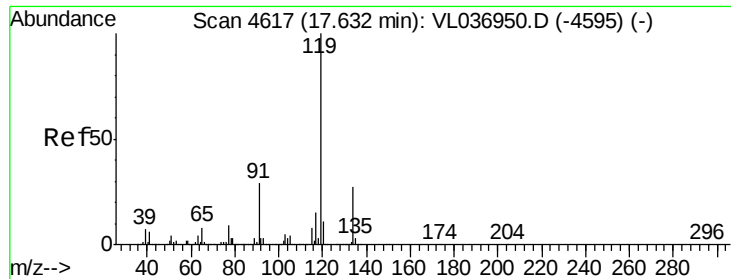


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





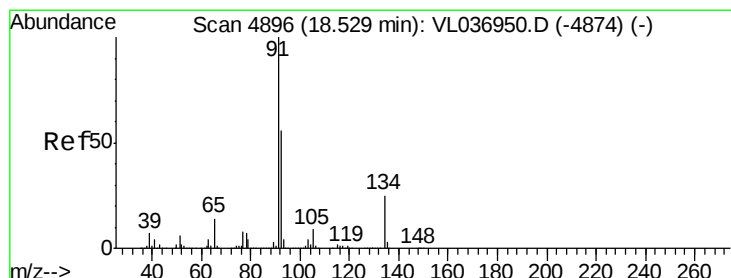
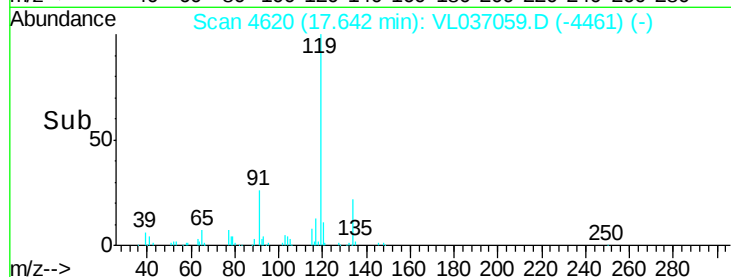
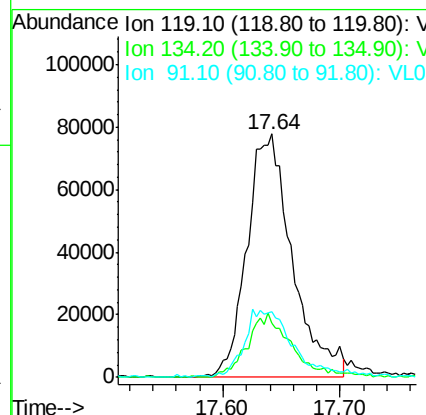
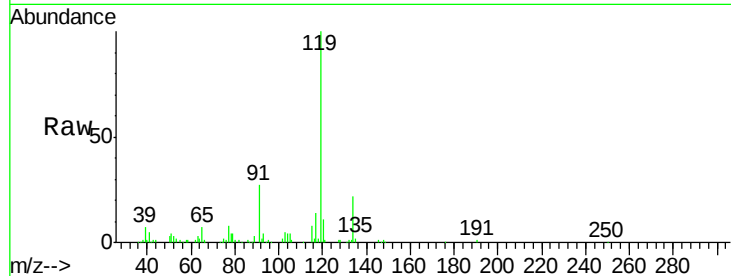
#69
p-Isopropyltoluene
Concen: 0.400 ppbv m
RT: 17.64 min Scan# 4620
Delta R.T. 0.01 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.2	31.8#
91	31.1	22.2	33.4

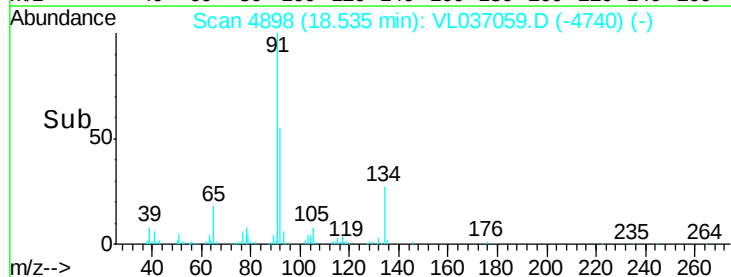
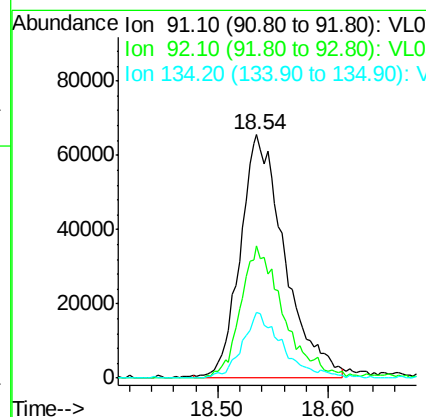
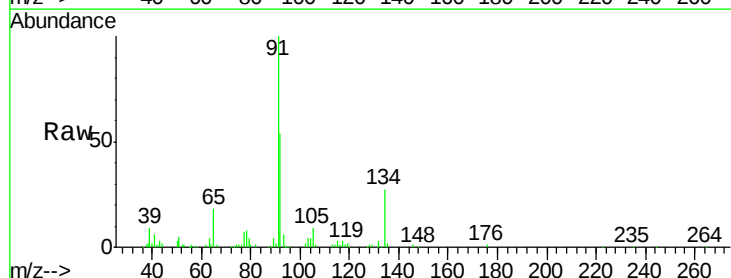
Manual Integrations
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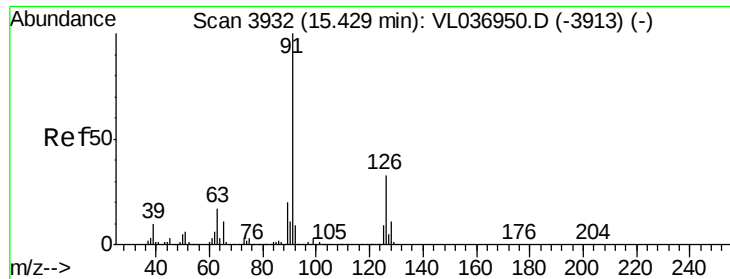
MMDadoda
5/27/2021 10:31:31 AM



#70
n-Butylbenzene
Concen: 0.374 ppbv m
RT: 18.54 min Scan# 4898
Delta R.T. 0.01 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	44.6	66.8
134	24.7	20.2	30.2





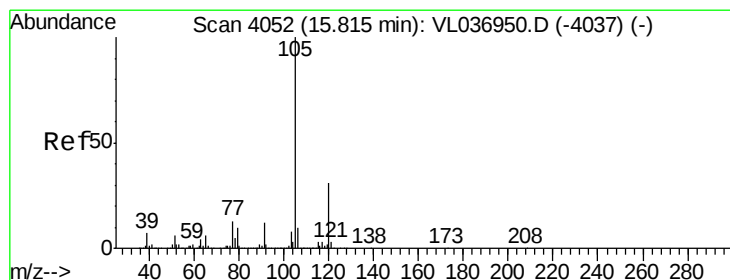
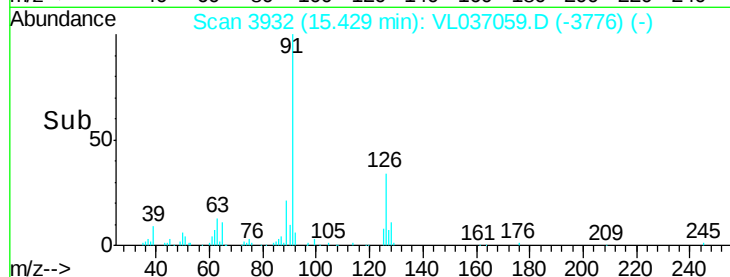
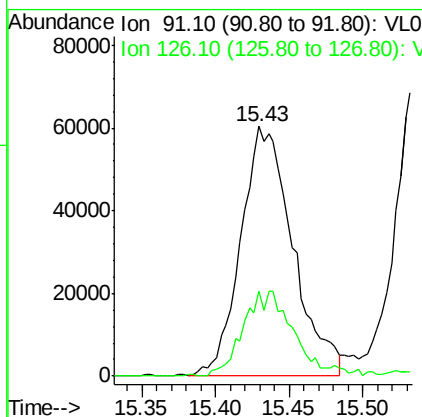
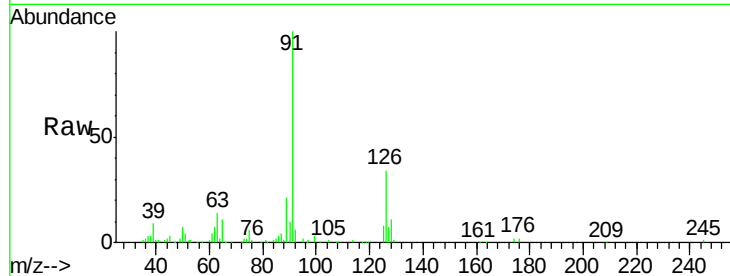
#71
 2-Chlorotoluene
 Concen: 0.421 ppbv m
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion: 91 Resp: 148525
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.1 52.5#

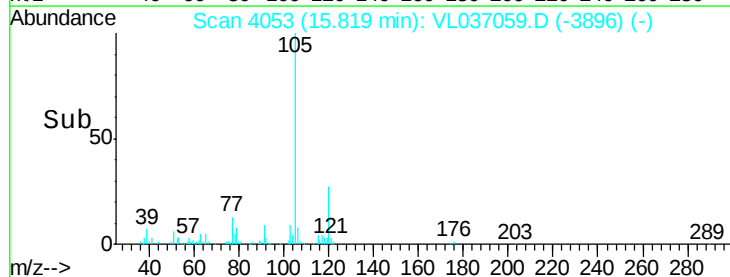
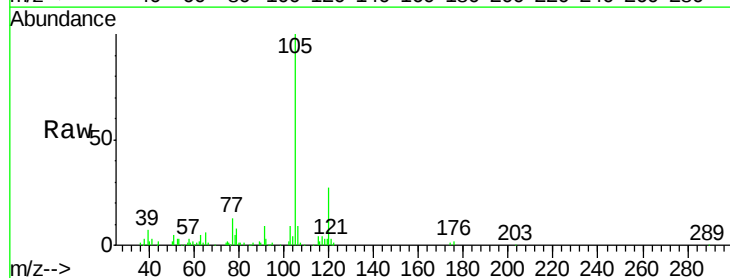
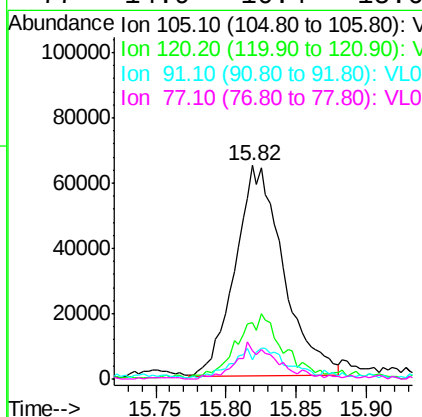
Manual Integrations
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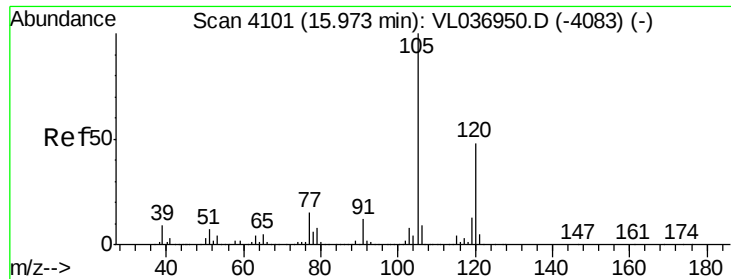
MMDadoda
 5/27/2021 10:31:31 AM



#72
 4-Ethyltoluene
 Concen: 0.381 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion: 105 Resp: 153854
 Ion Ratio Lower Upper
 105 100
 120 30.3 24.6 37.0
 91 17.2 9.8 14.6#
 77 14.9 10.4 15.6





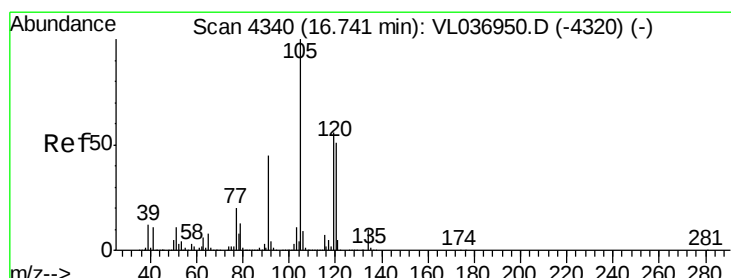
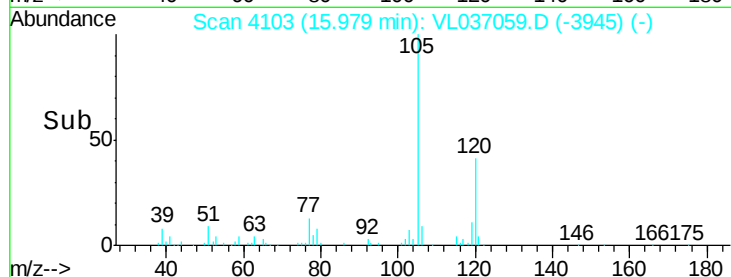
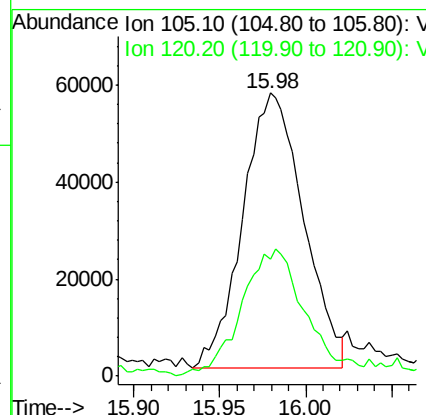
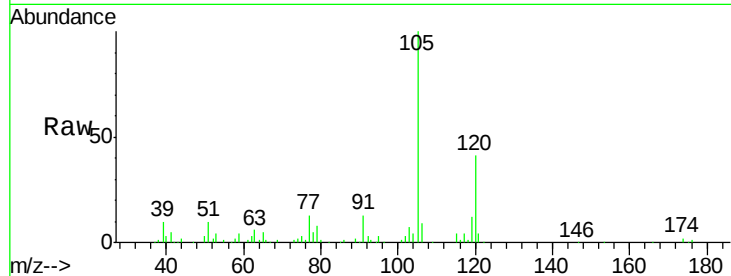
#73
 1,3,5-Trimethylbenzene
 Concen: 0.367 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. 0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion:105 Resp: 139137
 Ion Ratio Lower Upper
 105 100
 120 43.6 38.6 58.0

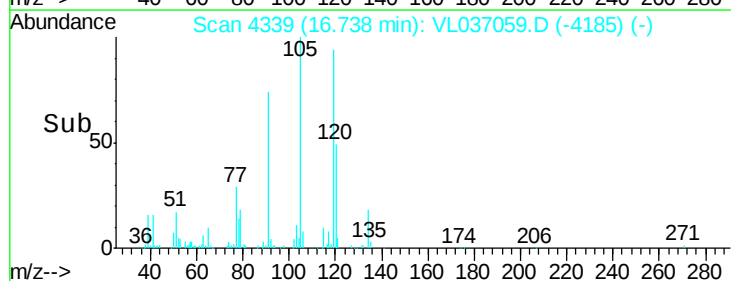
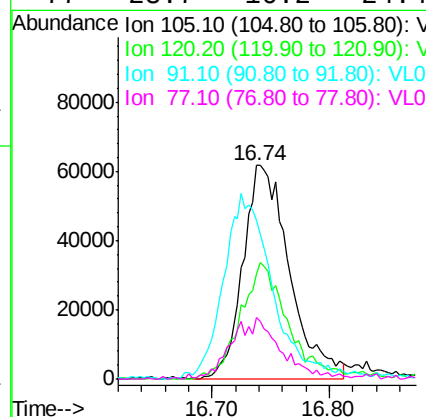
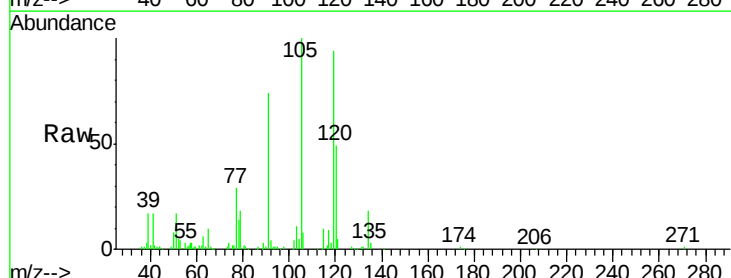
Manual Integrations
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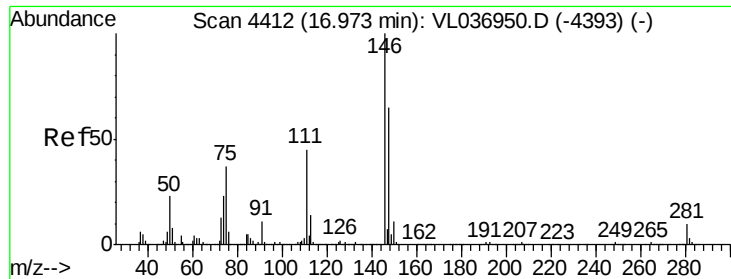
MMDadoda
 5/27/2021 10:31:31 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.431 ppbv m
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion:105 Resp: 168982
 Ion Ratio Lower Upper
 105 100
 120 49.2 40.6 61.0
 91 74.1 37.4 56.0#
 77 28.7 16.2 24.4#





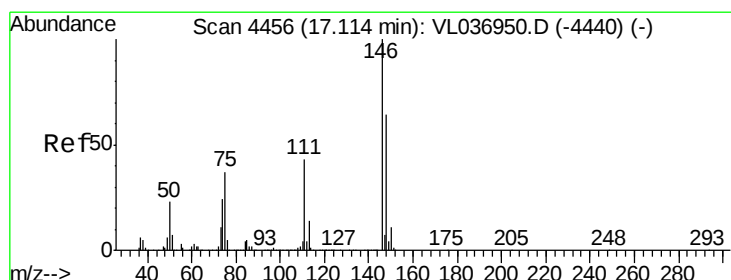
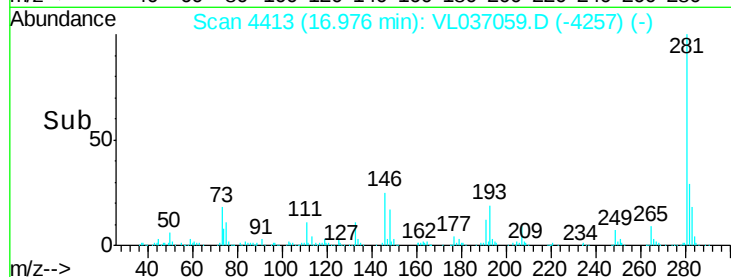
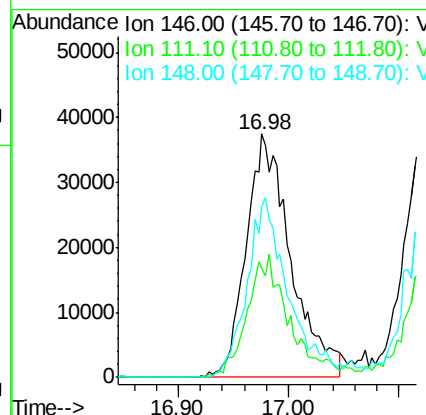
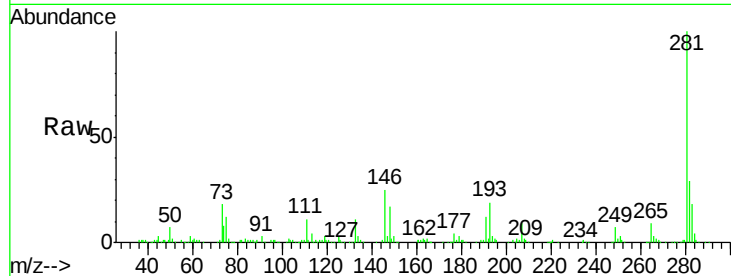
#75
 1,3-Dichlorobenzene
 Concen: 0.439 ppbv m
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105095		
111	0.0	22.2	66.6#	
148	0.0	32.3	96.8#	

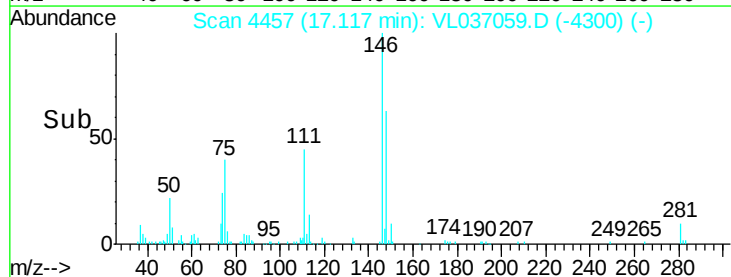
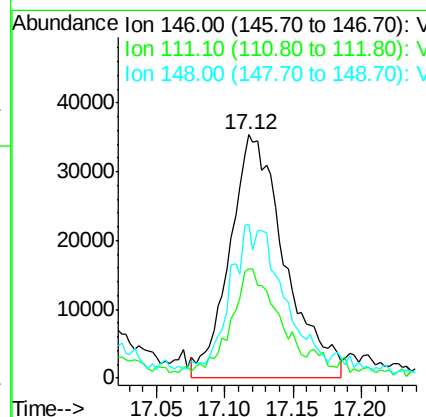
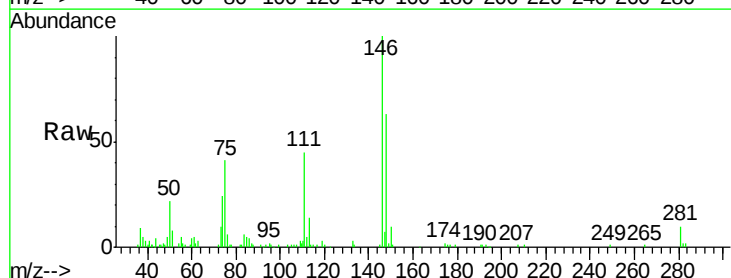
Manual Integrations
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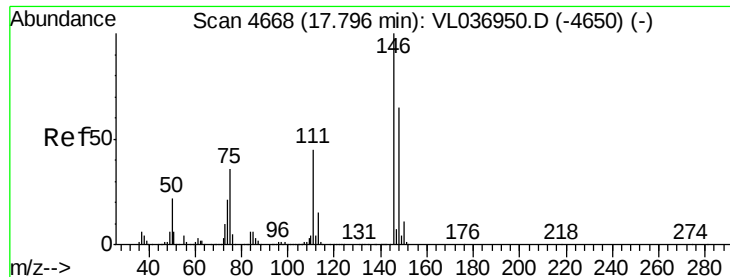
MMDadoda
 5/27/2021 10:31:31 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.411 ppbv m
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	99464		
111	48.7	22.6	67.7	
148	71.7	33.5	100.5	





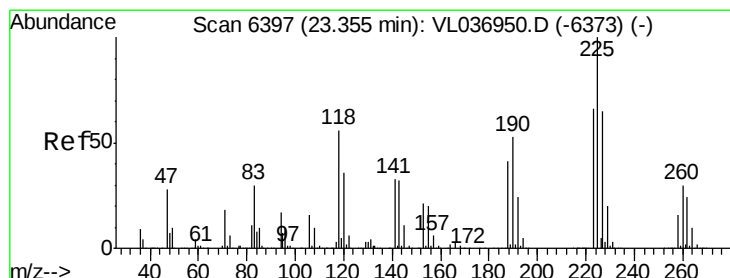
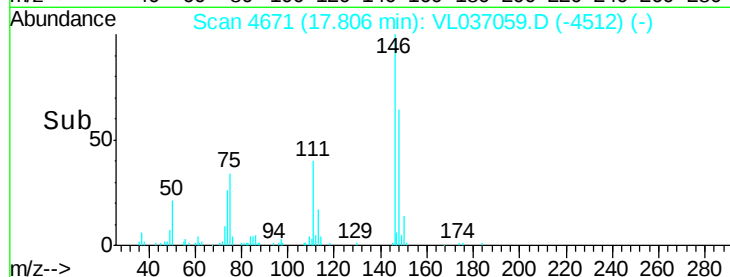
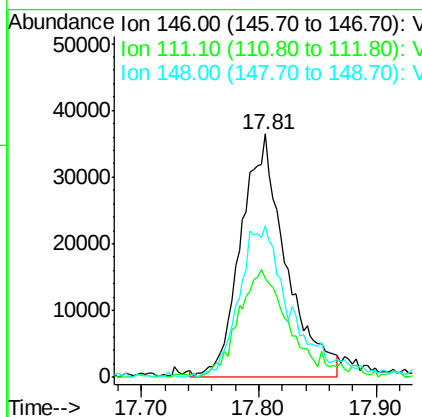
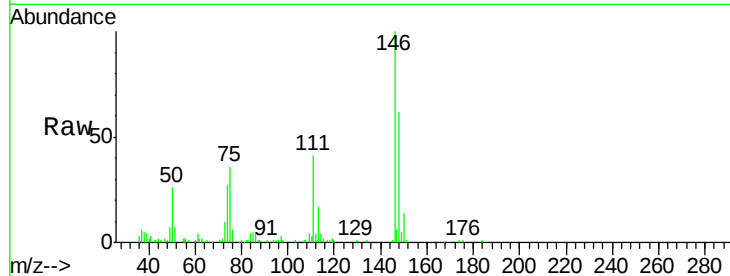
#77
 1,2-Dichlorobenzene
 Concen: 0.407 ppbv m
 RT: 17.81 min Scan# 4671
 Delta R.T. 0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.8	23.1	69.2
148	72.3	32.5	97.4

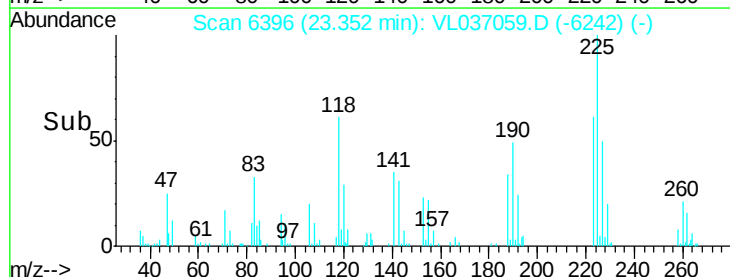
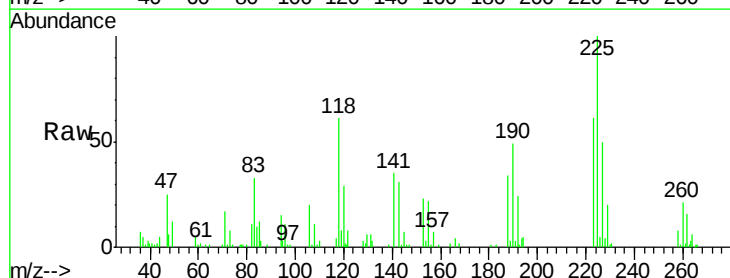
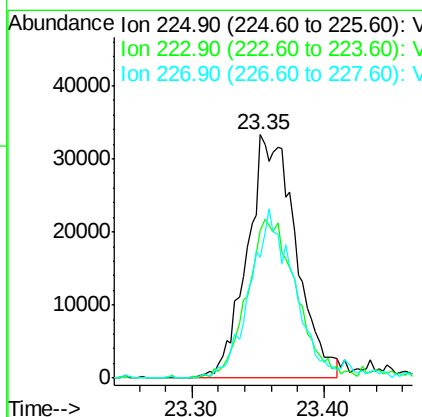
Manual Integrations
 APPROVED

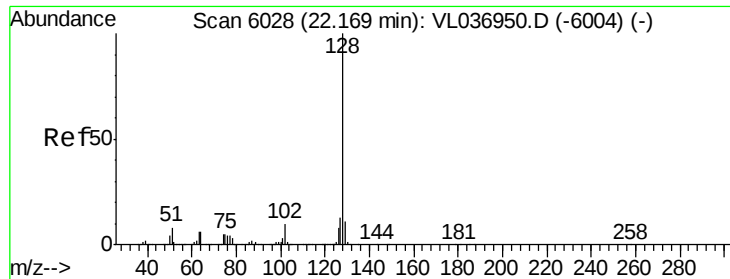
MMDadoda
 5/27/2021 10:31:31 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.441 ppbv m
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.6	51.9	77.9
227	67.3	51.8	77.6





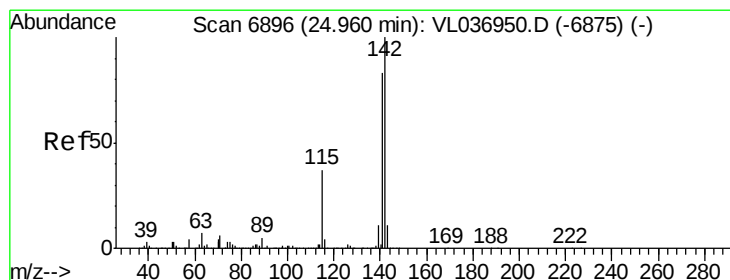
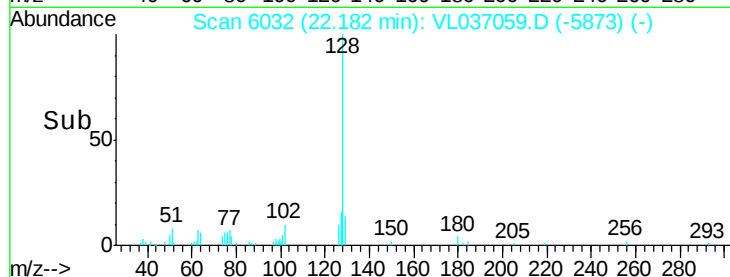
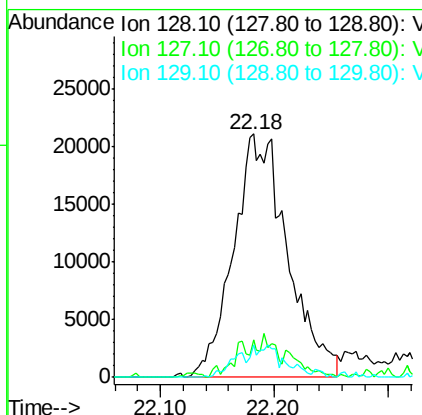
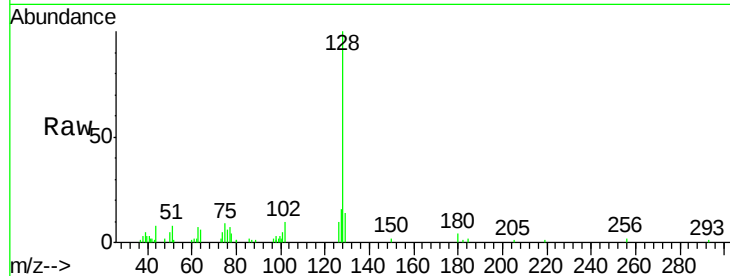
#79
Naphthalene
Concen: 0.227 ppbv m
RT: 22.18 min Scan# 6032
Delta R.T. 0.01 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

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

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

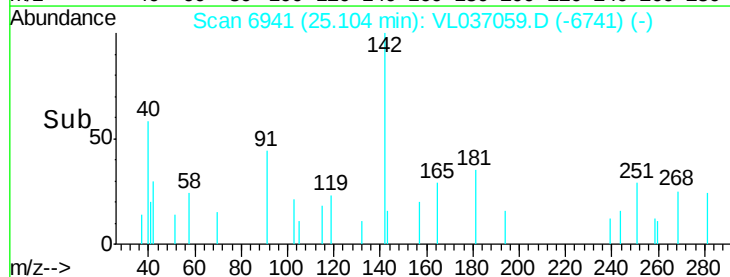
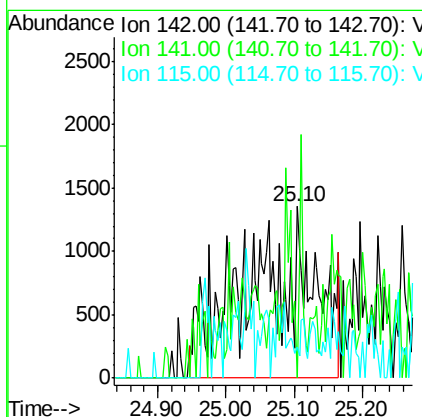
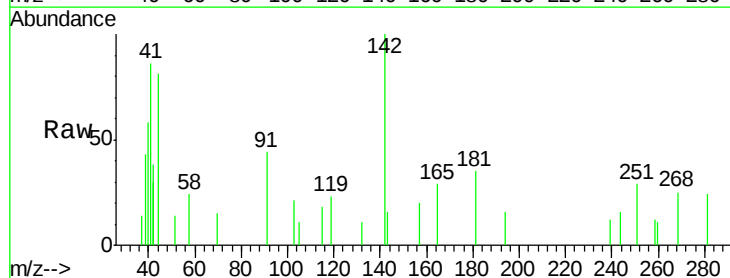
Manual Integrations
APPROVED

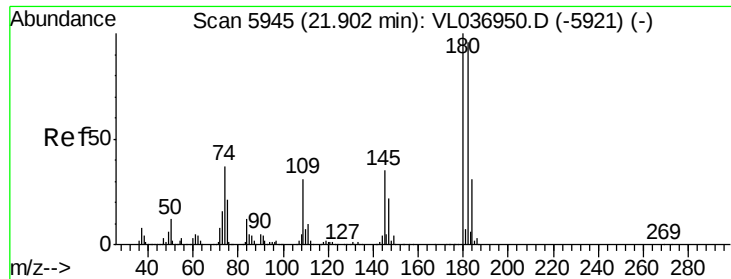
MMDadoda
5/27/2021 10:31:31 AM



#80
Naphthalene, 2-methyl-
Concen: 0.132 ppbv m
RT: 25.10 min Scan# 6941
Delta R.T. 0.14 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	13.0	69.3	103.9#
115	7.8	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.281 ppbv m
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.02 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

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

Manual Integrations
 APPROVED

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

