

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037490.D
 Acq On : 18 Aug 2021 14:13
 Operator : SY/AP
 Sample : M2940-15 0.4 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 8/19/2021 5:57:55 PM

Quant Time: Aug 19 02:18:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1365370	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4043098	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3478283	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2554169	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	128812m	0.588	ppbv	
3) Chlorodifluoromethane	2.98	51	121443	0.464	ppbv	97
4) Chloromethane	3.14	50	42182m	0.451	ppbv	
5) Vinyl Chloride	3.25	62	39978	0.418	ppbv #	88
6) Bromomethane	3.47	94	21745m	0.415	ppbv	
7) Chloroethane	3.55	64	14063	0.430	ppbv #	67
8) Dichlorotetrafluoroethane	3.18	85	99096	0.438	ppbv	91
9) Propene	3.00	41	44520m	0.476	ppbv	
10) Heptane	8.11	43	80939m	0.376	ppbv	
11) Trichlorofluoromethane	3.94	101	87850	0.427	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	61841	0.410	ppbv	91
13) Ethanol	3.62	45	8762m	0.963	ppbv	
14) Bromoethene	3.73	108	28506m	0.416	ppbv	
15) Acetone	3.86	43	74705m	0.538	ppbv	
16) 1,3-Butadiene	3.32	39	39252m	0.440	ppbv	
17) tert-Butyl alcohol	4.32	59	59740m	0.471	ppbv	
18) 1,1-Dichloroethene	4.28	96	25620	0.374	ppbv #	79
19) Isopropyl Alcohol	3.99	45	36061m	0.453	ppbv	
20) Methylene Chloride	4.34	84	34787m	0.500	ppbv	
21) Allyl Chloride	4.41	41	46912m	0.416	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	29112m	0.426	ppbv	
23) Vinyl Acetate	5.08	43	71803m	0.351	ppbv	
24) 1,1-Dichloroethane	5.00	63	63657m	0.429	ppbv	
25) Ethyl Acetate	5.68	43	128450	0.364	ppbv #	95
26) Hexane	5.67	57	61446	0.356	ppbv #	80
27) Carbon Disulfide	4.55	76	56163	0.365	ppbv #	92
28) Methyl tert-Butyl Ether	5.04	73	59344m	0.358	ppbv	
29) Chloroform	5.74	83	106078	0.434	ppbv	99
30) Cyclohexane	7.12	84	57537m	0.400	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	58294m	0.373	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	98289m	0.409	ppbv	
34) 2-Butanone	5.26	43	70279m	0.426	ppbv	
35) Carbon Tetrachloride	7.01	117	95184	0.398	ppbv #	84
36) Benzene	6.88	78	130434	0.384	ppbv	94
37) 1,2-Dichloroethane	6.29	62	70322m	0.418	ppbv	
38) Trichloroethene	7.82	130	56638m	0.406	ppbv	
39) 1,2-Dichloropropane	7.60	63	53881m	0.413	ppbv	
40) 1,4-Dioxane	7.87	88	15552m	0.486	ppbv	
41) Tetrahydrofuran	6.07	42	23780m	0.299	ppbv	
42) Bromodichloromethane	7.78	83	95451m	0.388	ppbv	
43) Methyl Methacrylate	8.01	69	38888m	0.328	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	222574m	0.389	ppbv	
45) t-1,3-Dichloropropene	9.26	75	25789m	0.289	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	35971m	0.289	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	56701	0.402	ppbv	91
48) Dibromochloromethane	10.29	129	70663m	0.348	ppbv	
49) Bromoform	13.02	173	43391m	0.271	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	70715m	0.328	ppbv	
51) 2-Hexanone	10.16	43	29347m	0.296	ppbv	
52) Tetrachloroethene	11.21	164	51923m	0.373	ppbv	
53) Toluene	9.79	91	130447m	0.336	ppbv	
54) 1,2-Dibromoethane	10.59	107	77864m	0.395	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	65237m	0.450	ppbv	
57) Chlorobenzene	12.12	112	131851m	0.457	ppbv	
58) Ethyl Benzene	12.69	91	156657	0.325	ppbv	99
59) m/p-Xylene	12.98	91	322181m	0.770	ppbv	
60) o-Xylene	13.67	91	152373	0.390	ppbv	99
61) Styrene	13.52	104	53869m	0.266	ppbv	
62) Isopropylbenzene	14.65	105	225935m	0.410	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	131596m	0.453	ppbv	
64) n-propylbenzene	15.54	120	53905m	0.384	ppbv	
65) tert-Butylbenzene	16.73	119	202810m	0.404	ppbv	
66) Benzyl Chloride	16.98	91	11247m	0.495	ppbv	
67) sec-Butylbenzene	17.28	105	266494	0.380	ppbv	99
69) p-Isopropyltoluene	17.64	119	211609m	0.370	ppbv	
70) n-Butylbenzene	18.53	91	179631	0.329	ppbv	99
71) 2-Chlorotoluene	15.43	91	151649	0.375	ppbv	98
72) 4-Ethyltoluene	15.82	105	169972m	0.366	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	142890	0.330	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.74	105	178964m	0.389	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	118169m	0.427	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	110383m	0.396	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	100501m	0.369	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	104922m	0.463	ppbv	
79) Naphthalene	22.18	128	71794m	0.233	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	12742m	0.149	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	60781m	0.315	ppbv	

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

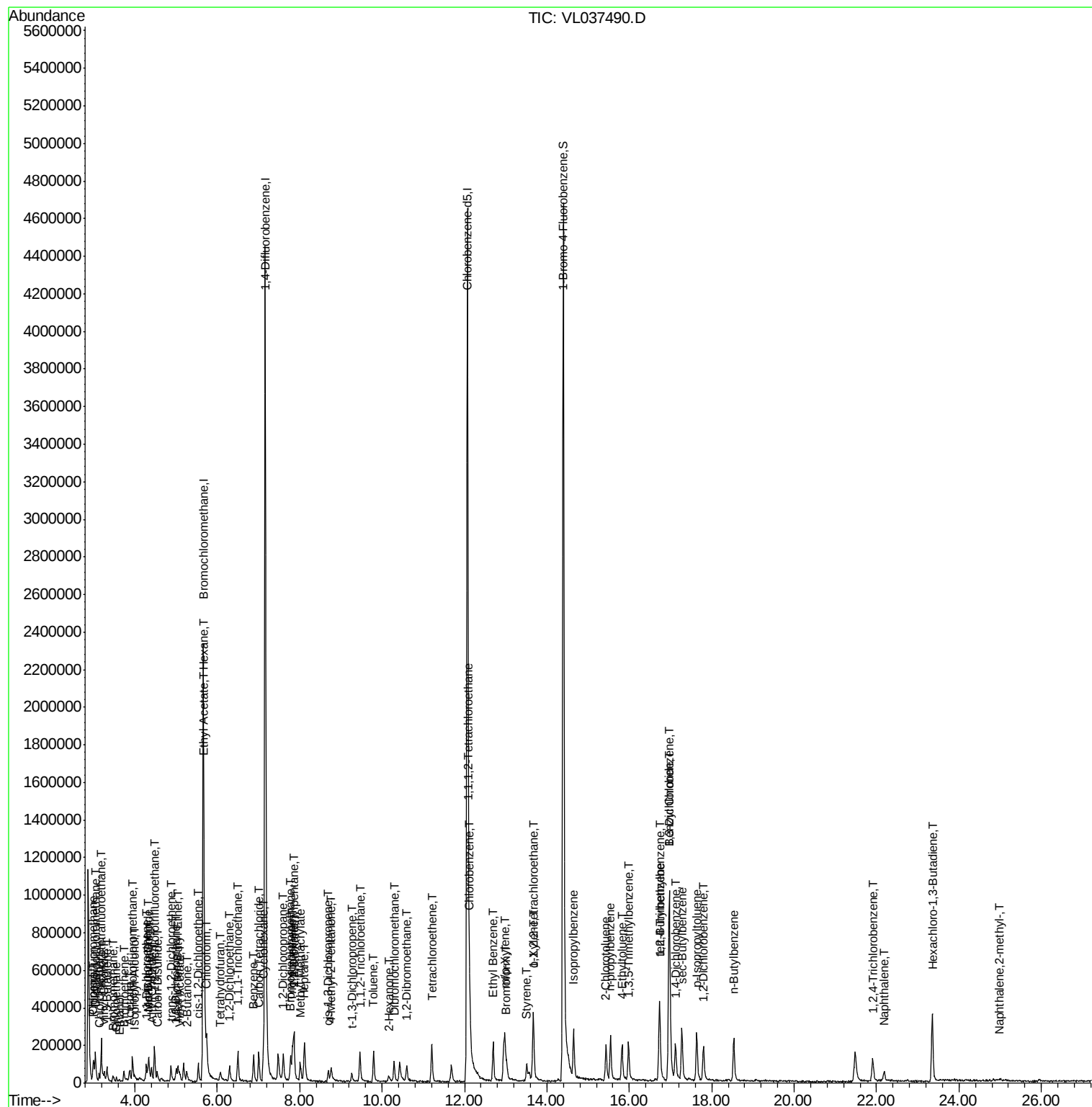
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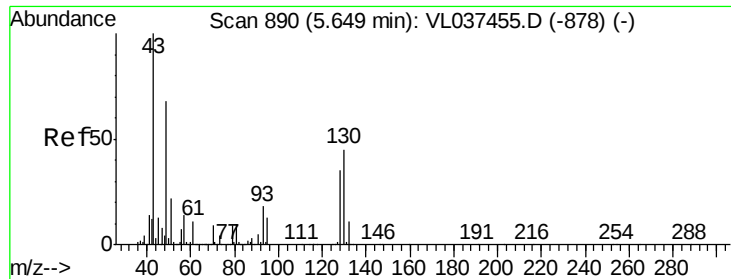
Instrument :
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#1

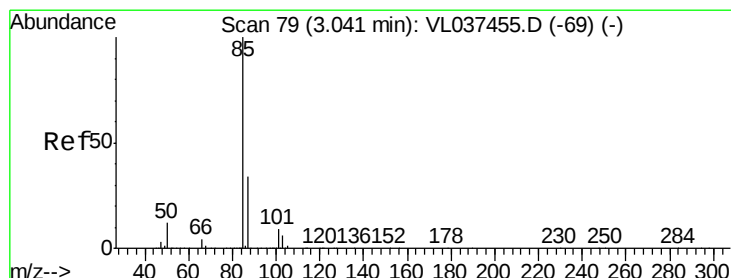
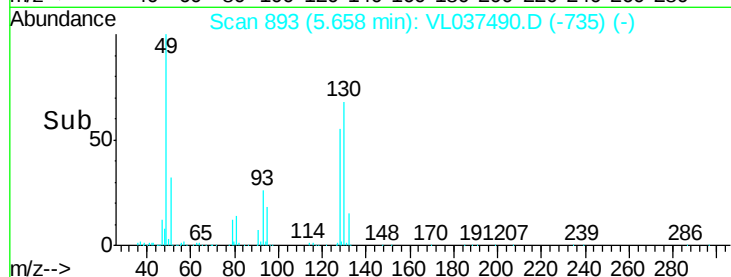
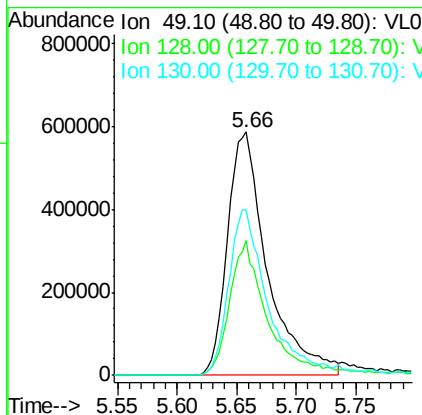
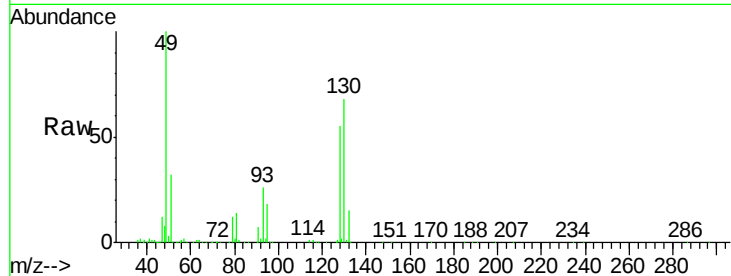
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Instrument :
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 ClientSampleId :
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Tot Ion: 49 Resp: 1365370
 Ion Ratio Lower Upper
 49 100
 128 54.7 27.5 82.4
 130 70.9 34.0 101.8

Manual Integrations
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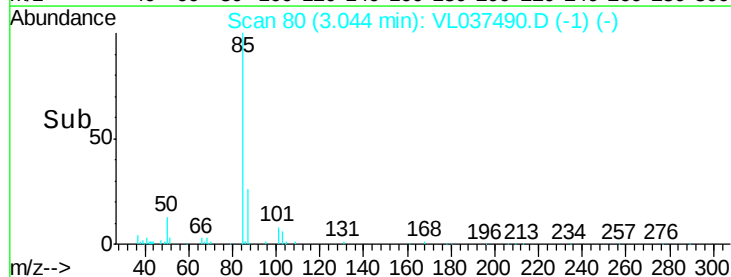
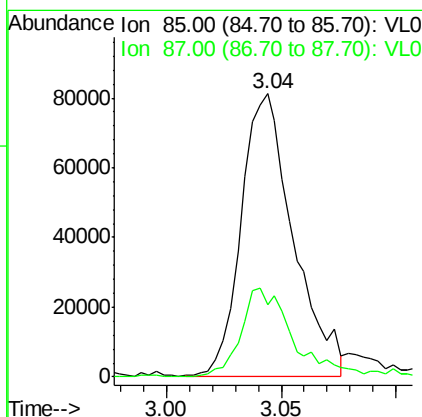
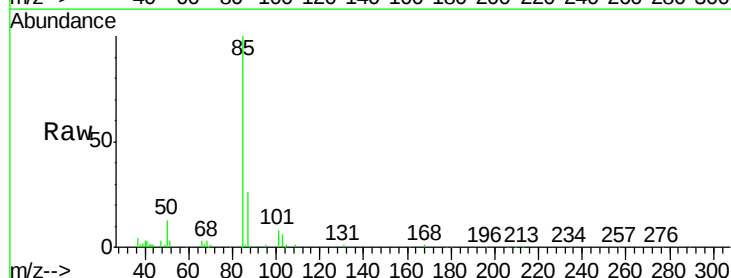
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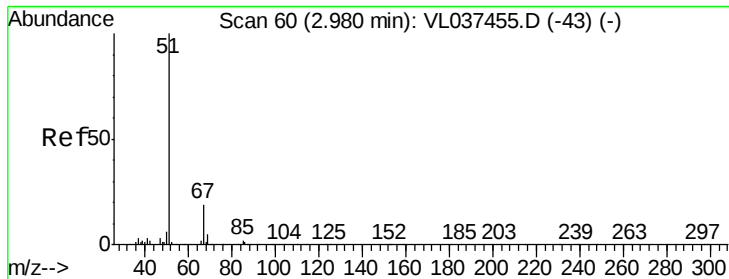


#2

Dichlorodifluoromethane
 Concen: 0.588 ppbv m
 RT: 3.04 min Scan# 80
 Delta R.T. 0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion: 85 Resp: 128812
 Ion Ratio Lower Upper
 85 100
 87 25.7 27.6 41.4#





#3

Chlorodifluoromethane

Concen: 0.464 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tot Ion: 51 Resp: 121443

Ion Ratio Lower Upper

51 100

67 16.5 14.2 21.2

Instrument :

MSVOA_L

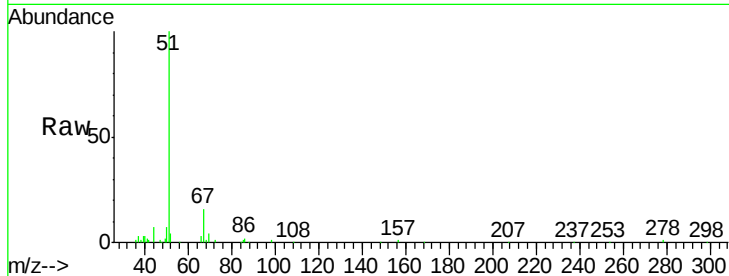
ClientSampleId :

MDL-AIR-03-QT3-2021

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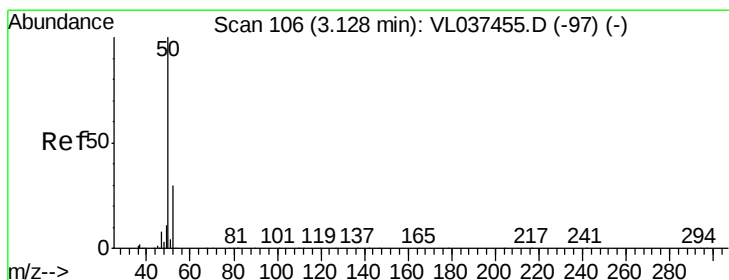
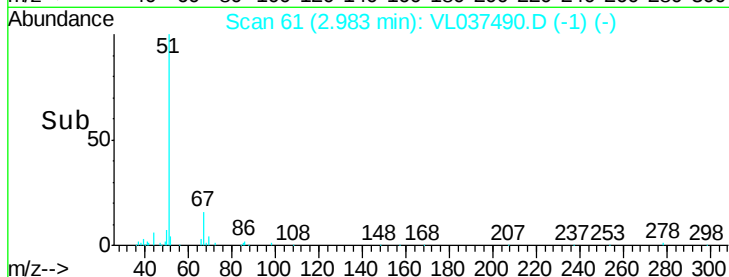
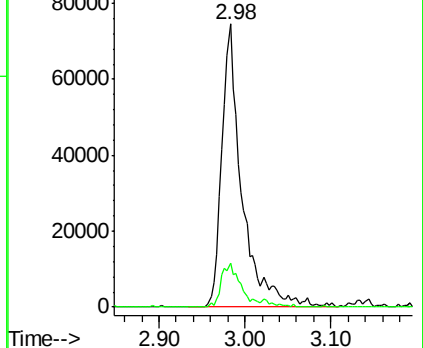
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.451 ppbv m

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL037490.D

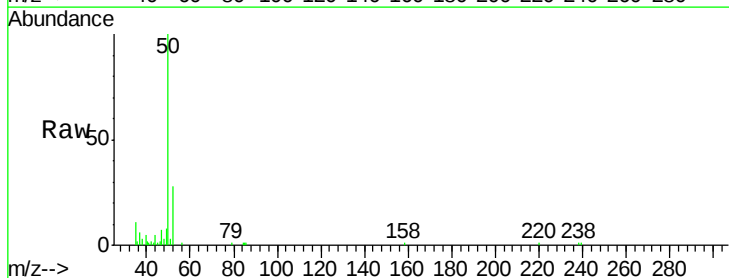
Acq: 18 Aug 2021 14:13

Tgt Ion: 50 Resp: 42182

Ion Ratio Lower Upper

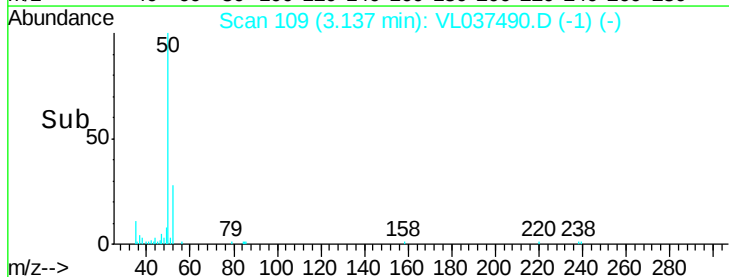
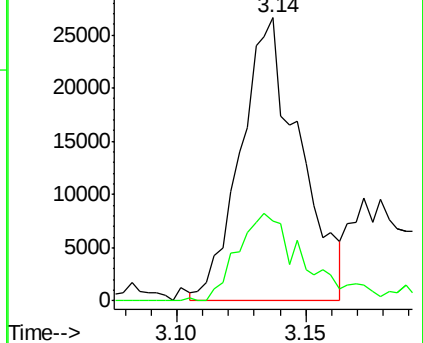
50 100

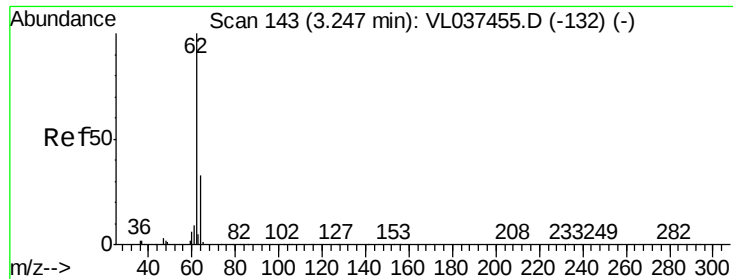
52 28.4 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.418 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 62 Resp: 39978

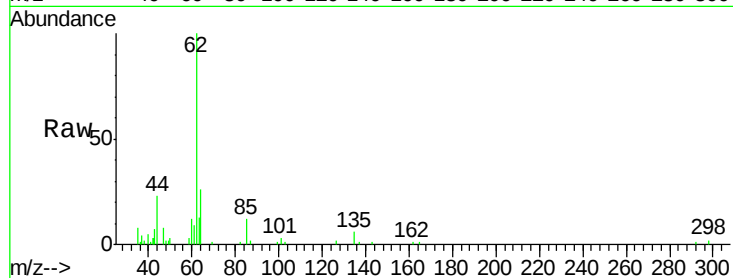
Ion Ratio Lower Upper

62 100

64 26.3 26.5 39.7#

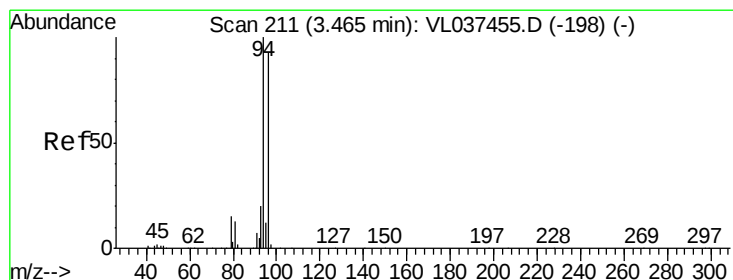
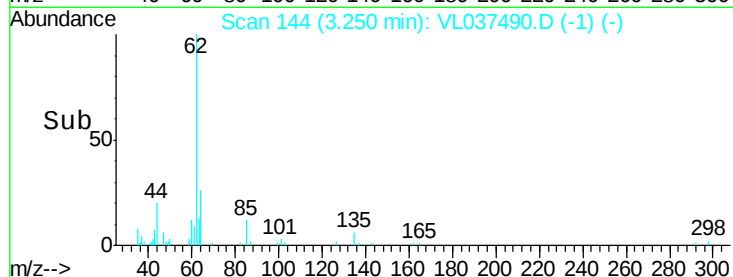
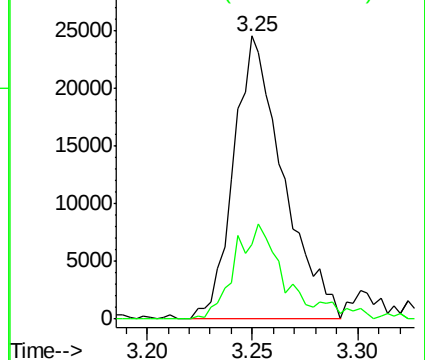
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.415 ppbv m

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037490.D

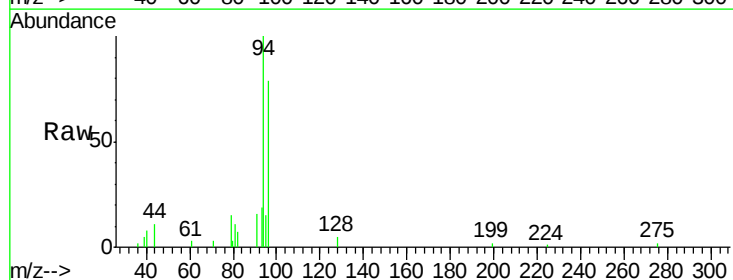
Acq: 18 Aug 2021 14:13

Tgt Ion: 94 Resp: 21745

Ion Ratio Lower Upper

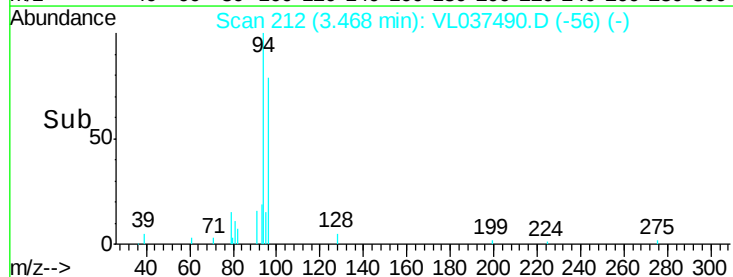
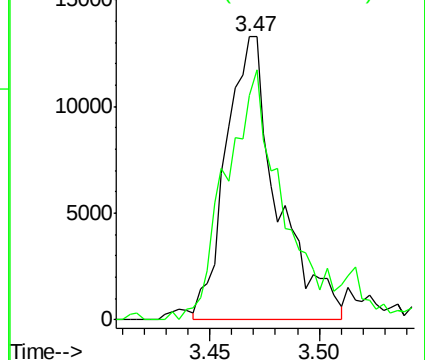
94 100

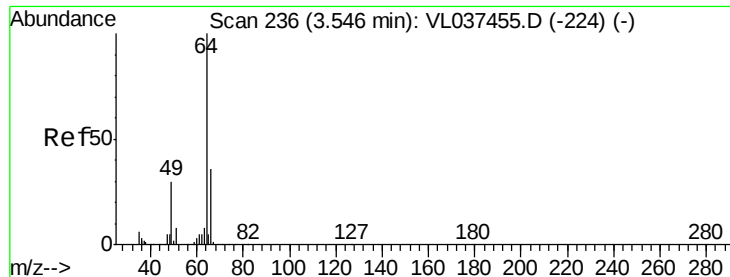
96 79.3 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.430 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 64 Resp: 14063

Ion Ratio Lower Upper

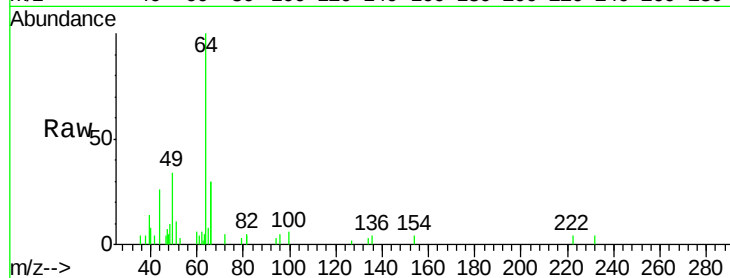
64 100

66 55.4 28.6 43.0#

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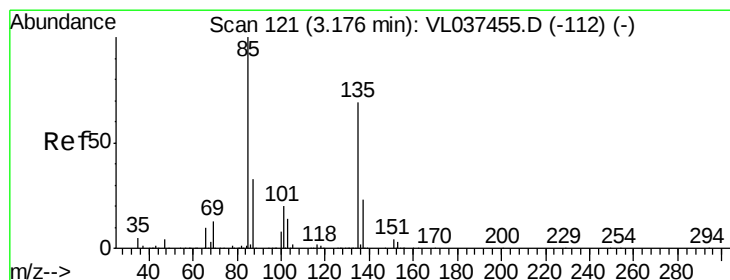
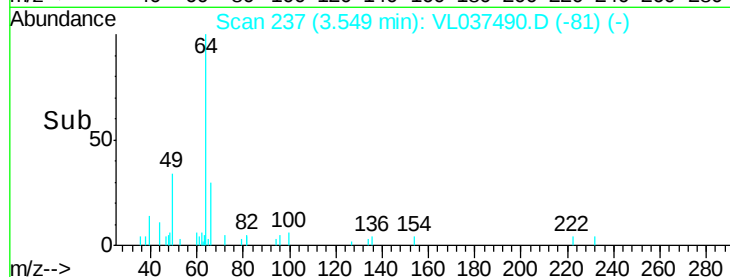
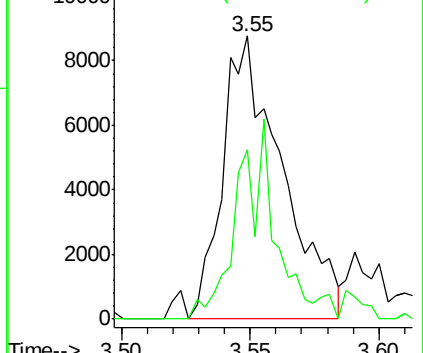
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.438 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037490.D

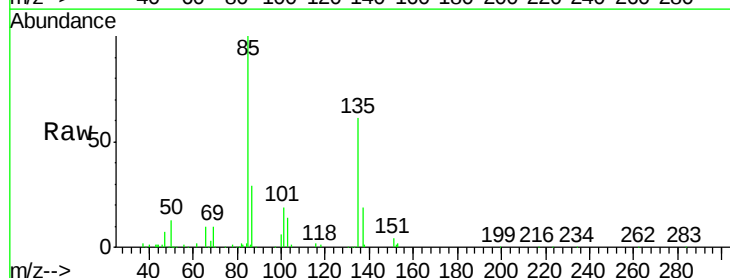
Acq: 18 Aug 2021 14:13

Tgt Ion: 85 Resp: 99096

Ion Ratio Lower Upper

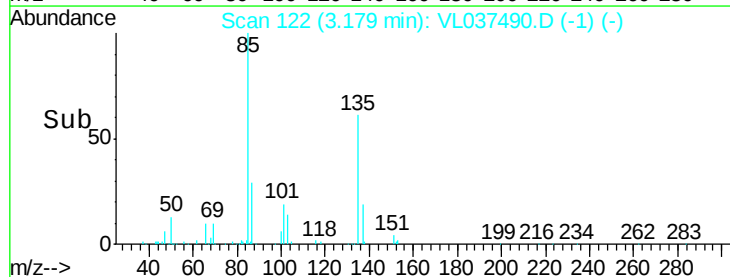
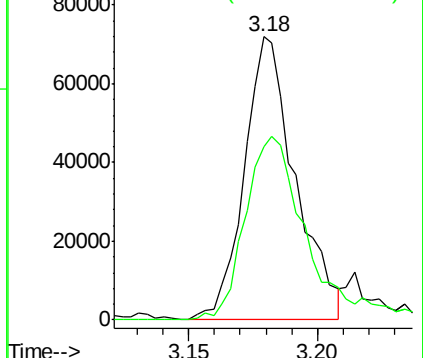
85 100

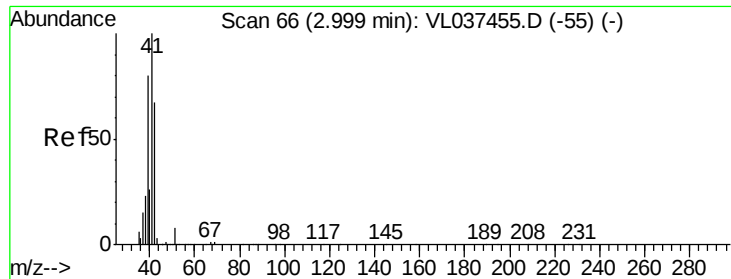
135 81.3 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.476 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 41 Resp: 44520

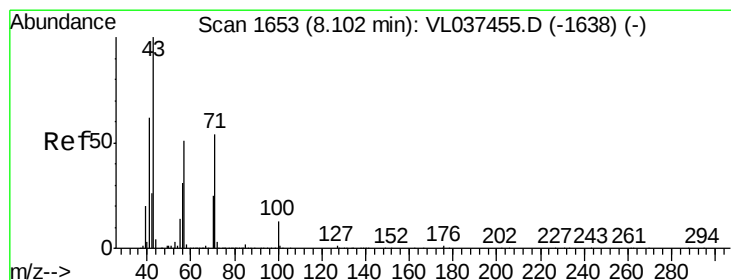
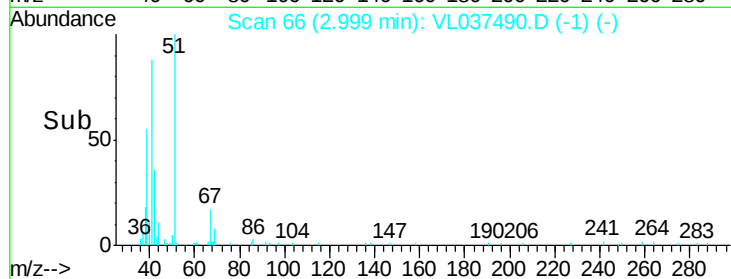
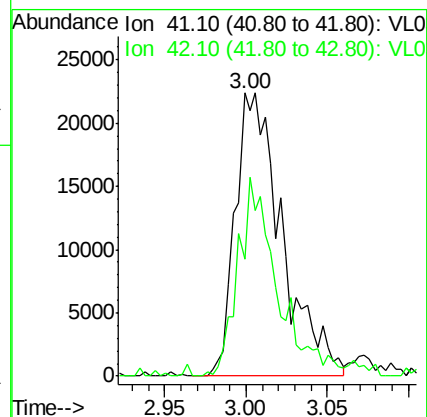
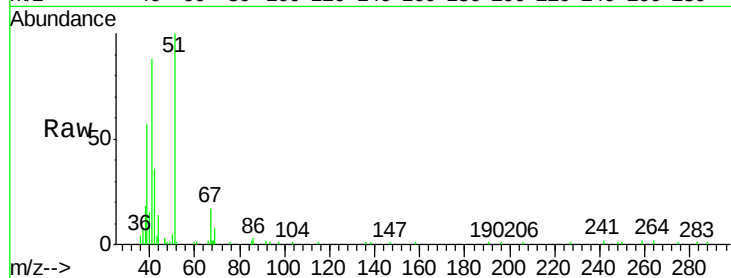
Ion Ratio Lower Upper

41 100

42 4.4 53.7 80.5#

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#10

Heptane

Concen: 0.376 ppbv m

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037490.D

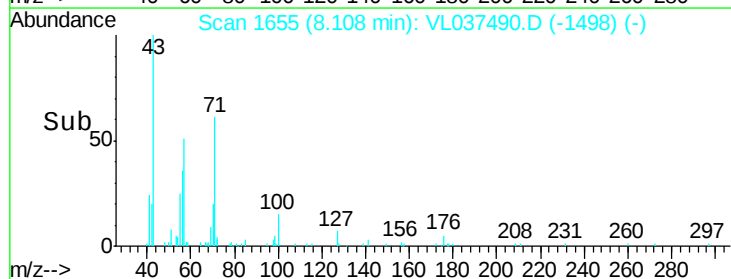
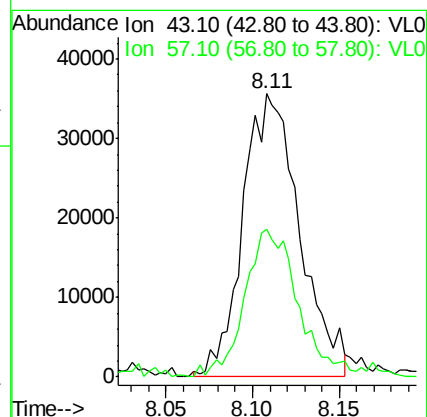
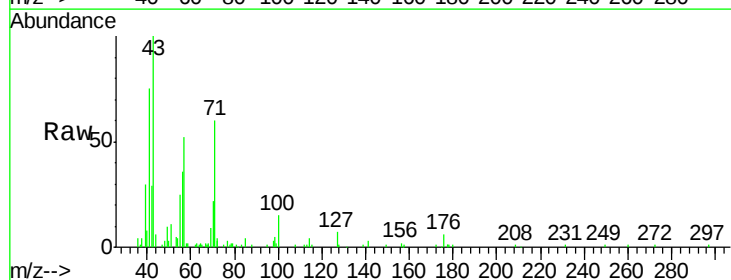
Acq: 18 Aug 2021 14:13

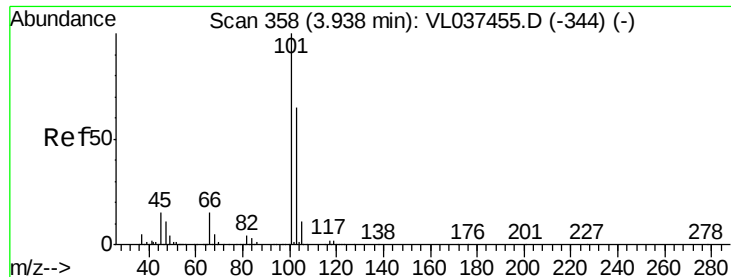
Tgt Ion: 43 Resp: 80939

Ion Ratio Lower Upper

43 100

57 52.7 41.0 61.6





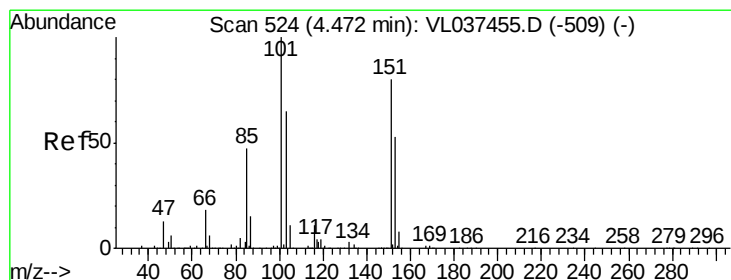
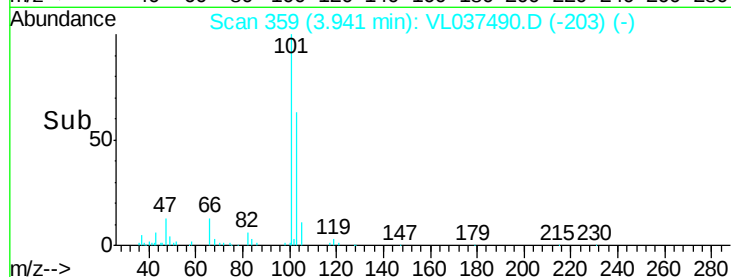
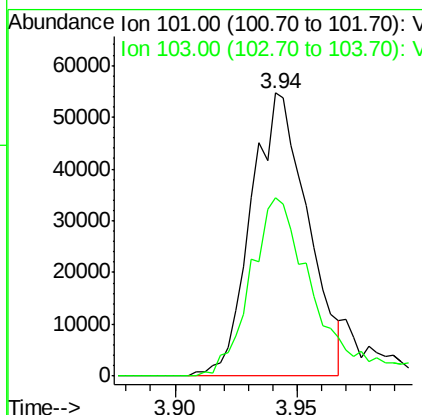
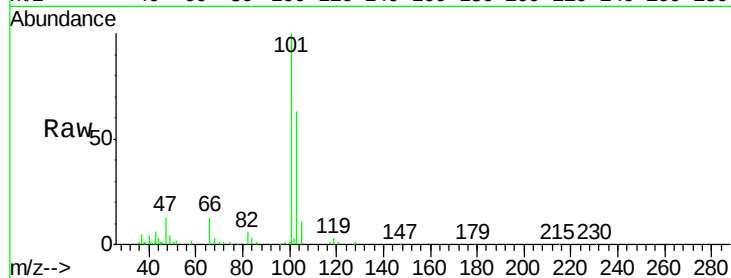
#11
 Trichlorofluoromethane
 Concen: 0.427 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.8	77.6

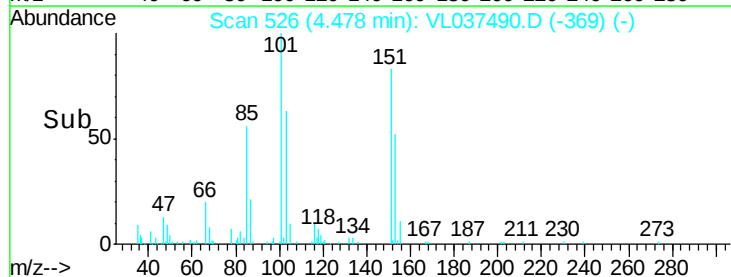
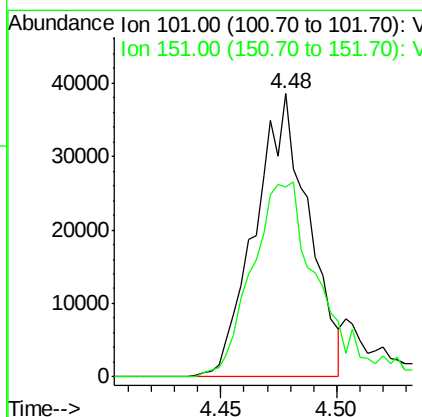
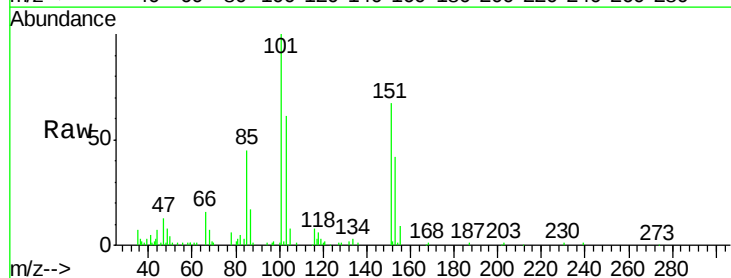
Manual Integrations
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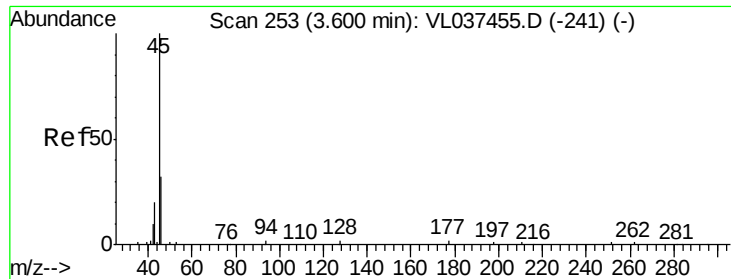
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.410 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Lower	Upper
101	100		
151	87.7	63.7	95.5





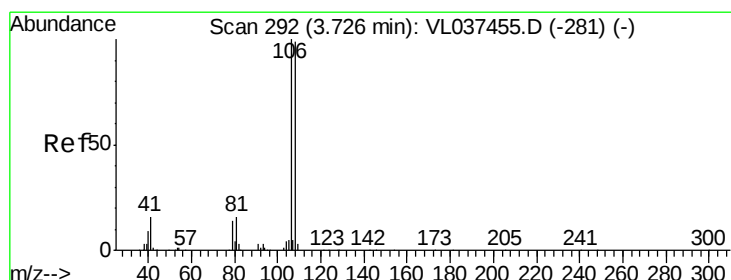
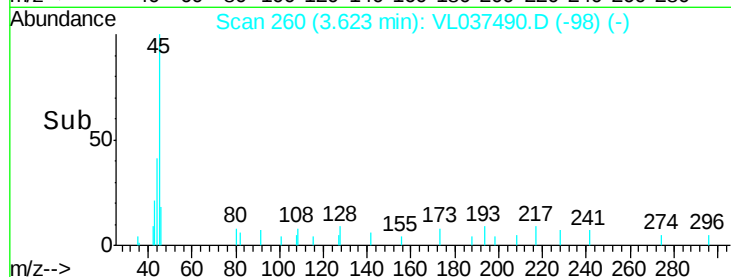
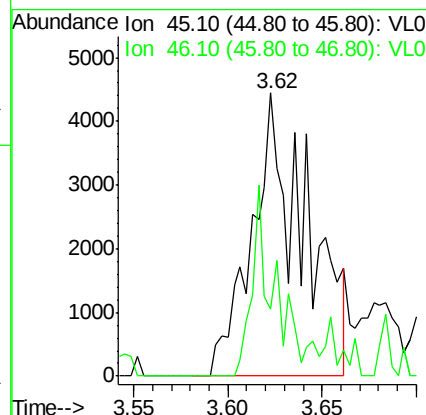
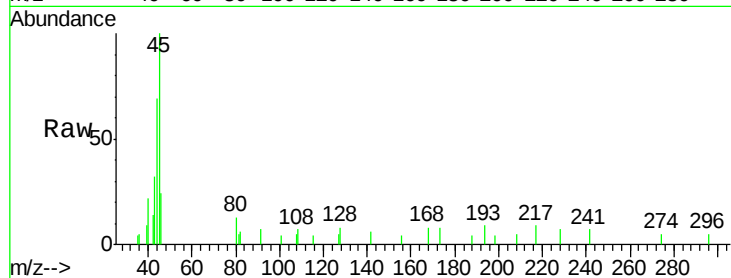
#13
Ethanol
Concen: 0.963 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

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

Tot Ion: 45 Resp: 8762
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#

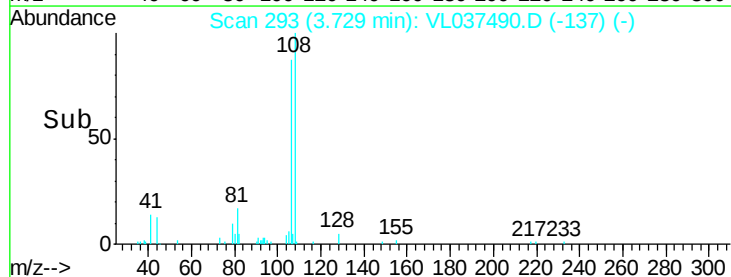
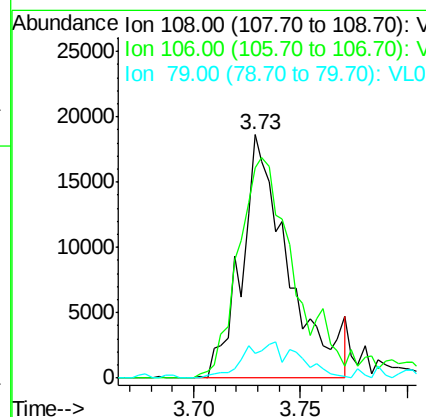
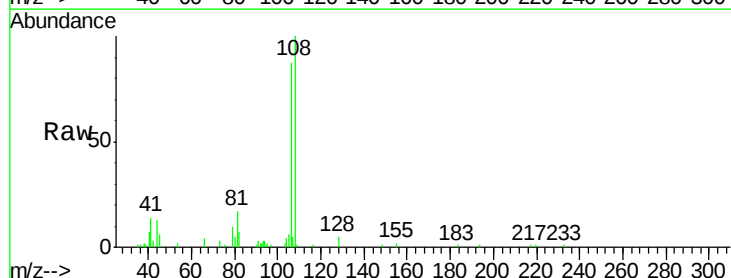
Manual Integrations
APPROVED

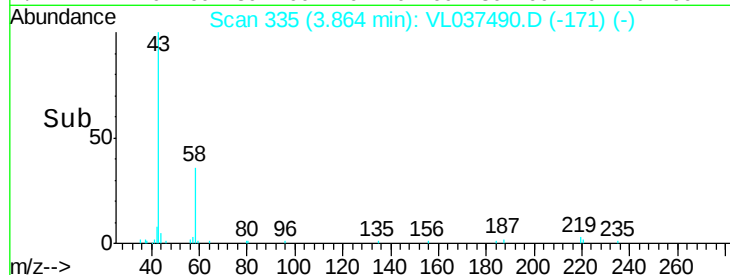
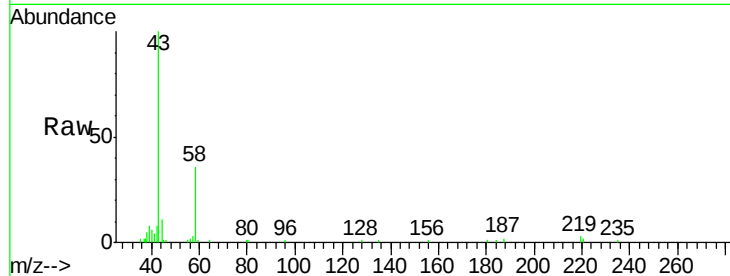
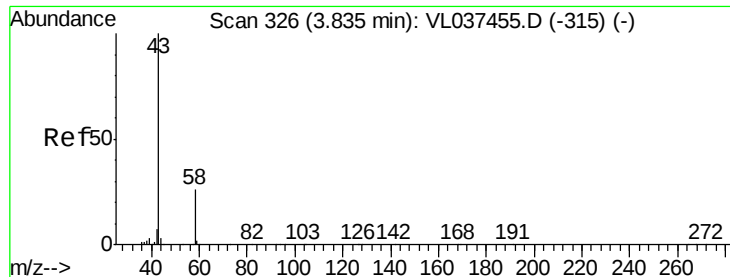
MMDadoda
8/19/2021 5:57:55 PM



#14
Bromoethene
Concen: 0.416 ppbv m
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tgt Ion: 108 Resp: 28506
Ion Ratio Lower Upper
108 100
106 118.2 85.8 128.8
79 18.6 12.6 18.8





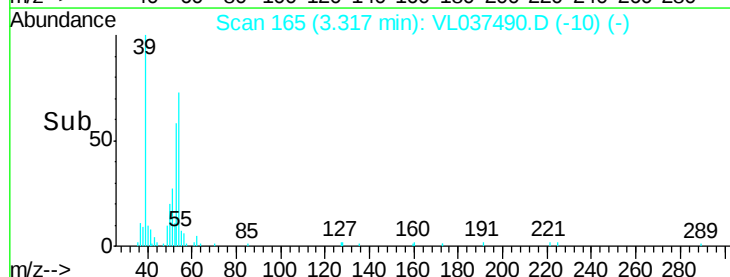
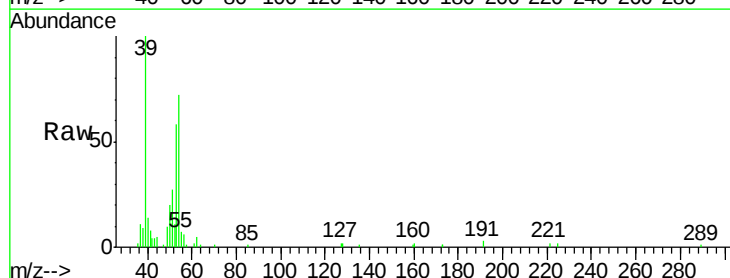
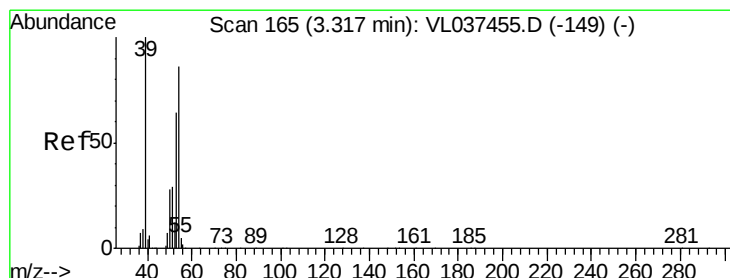
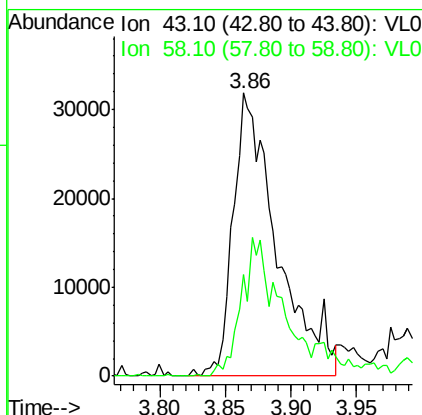
#15
Acetone
Concen: 0.538 ppbv m
RT: 3.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tot Ion	43	58	Ratio	Lower	Upper
74705	100	0.0		24.8	37.2#

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

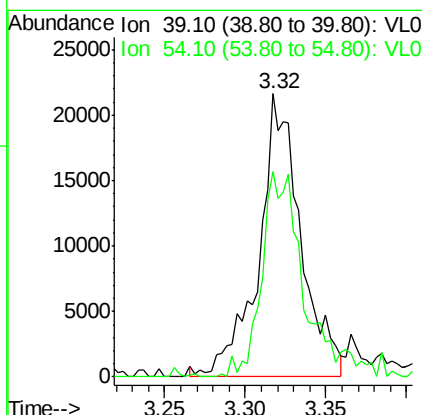
Manual Integrations
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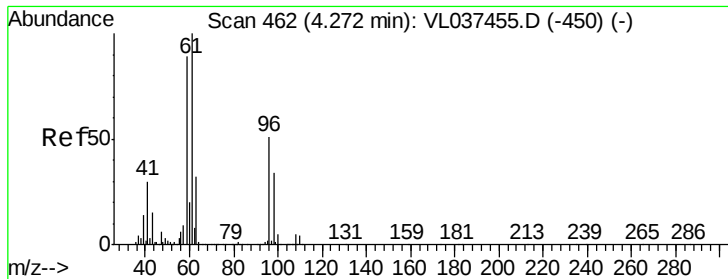
MMDadoda
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#16
1,3-Butadiene
Concen: 0.440 ppbv m
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tgt Ion	39	54	Ratio	Lower	Upper
39252	100	0.0		63.7	95.5#





#17

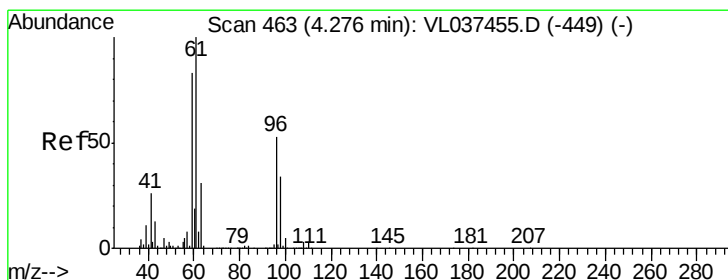
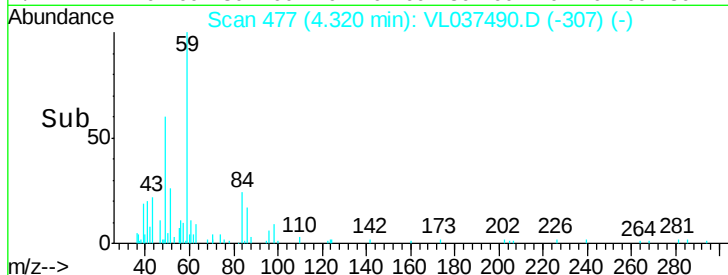
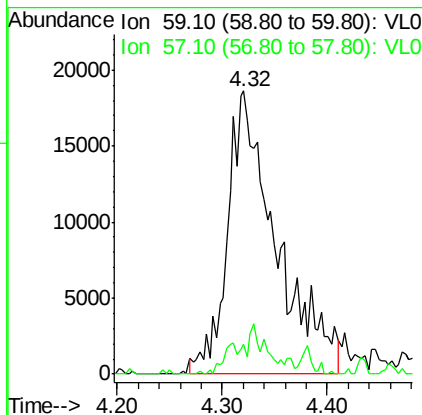
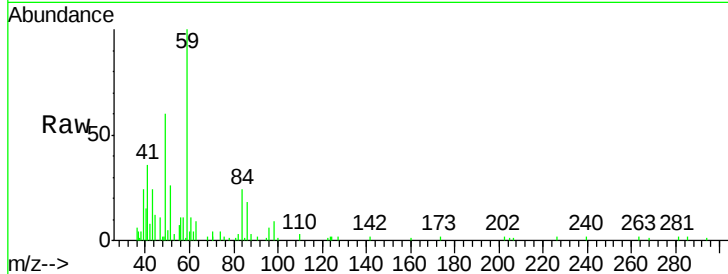
tert-Butyl alcohol
 Concen: 0.471 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.05 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion: 59 Resp: 59740
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

Manual Integrations
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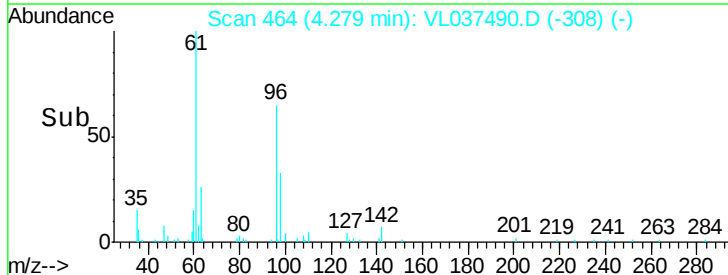
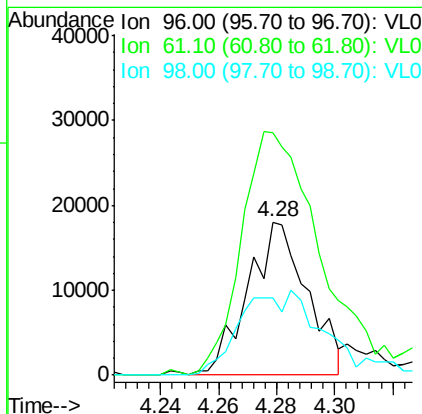
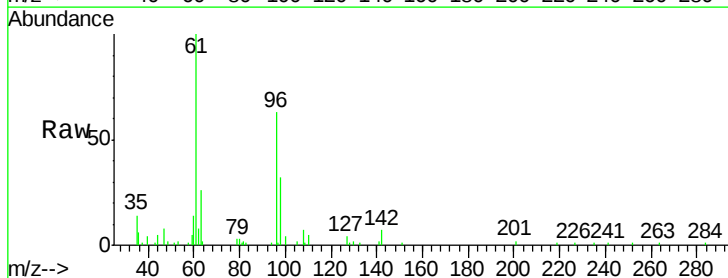
MMDadoda
 8/19/2021 5:57:55 PM

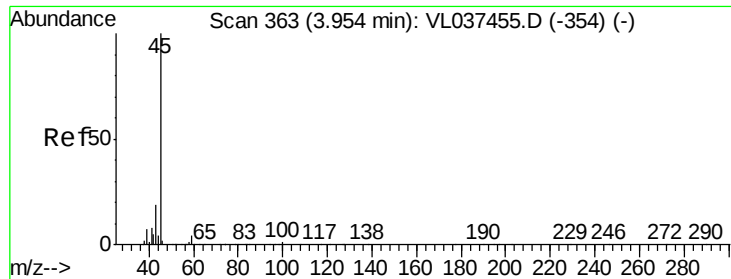


#18

1,1-Dichloroethene
 Concen: 0.374 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion: 96 Resp: 25620
 Ion Ratio Lower Upper
 96 100
 61 158.0 151.1 226.7
 98 49.7 51.8 77.8#





#19

Isopropyl Alcohol

Concen: 0.453 ppbv m

RT: 3.99 min Scan# 374

Delta R.T. 0.04 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

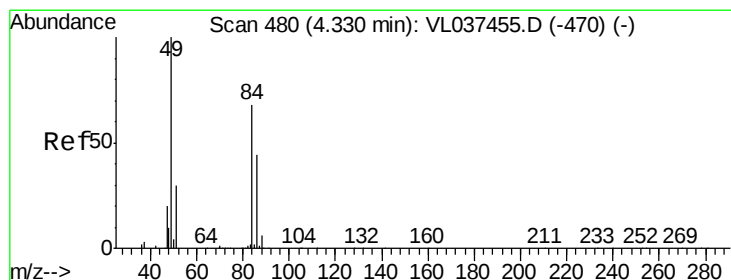
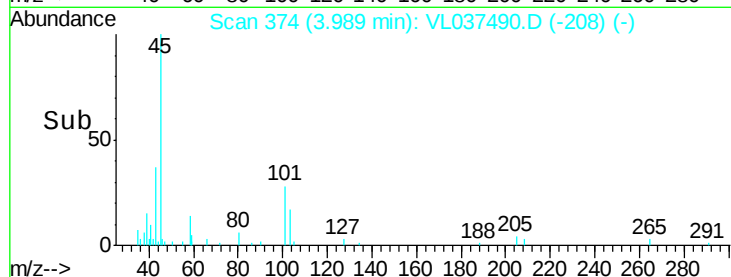
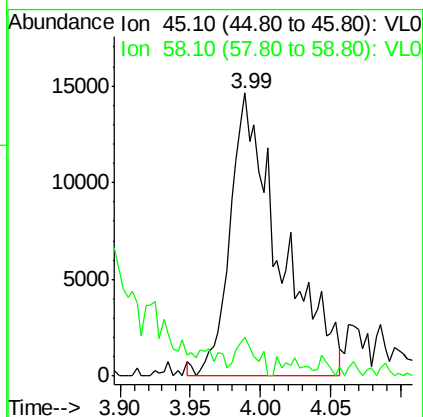
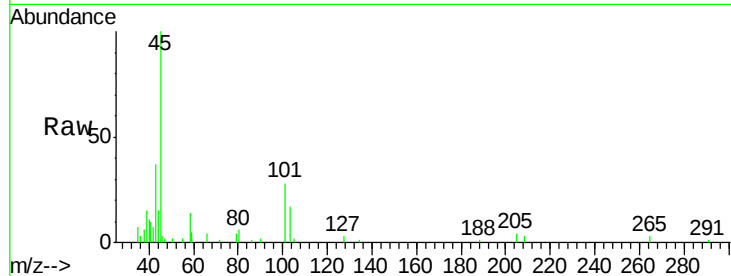
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

Manual Integrations
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#20

Methylene Chloride

Concen: 0.500 ppbv m

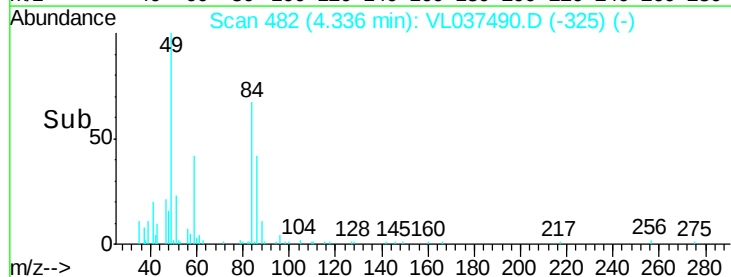
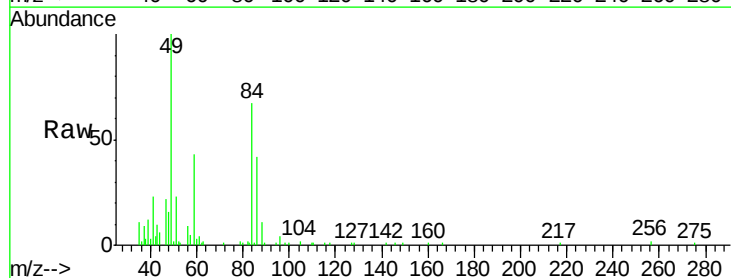
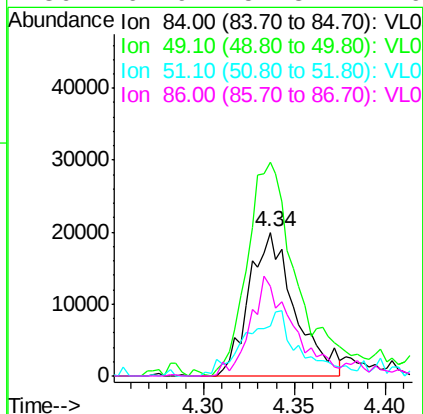
RT: 4.34 min Scan# 482

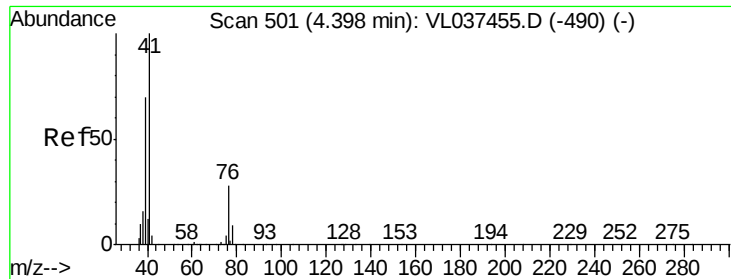
Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.8	118.2	177.2
51	34.5	36.6	55.0#
86	62.9	51.8	77.6





#21

Allvl Chloride

Concen: 0.416 ppbv m

RT: 4.41 min Scan# 506

Delta R.T. 0.02 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

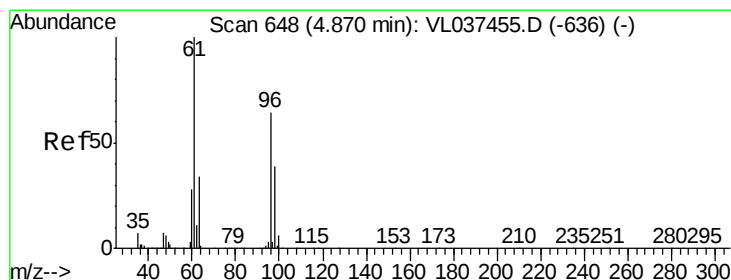
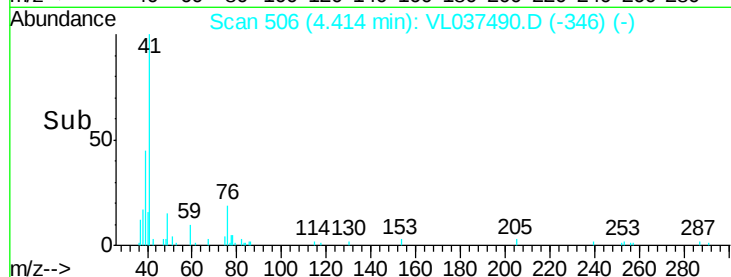
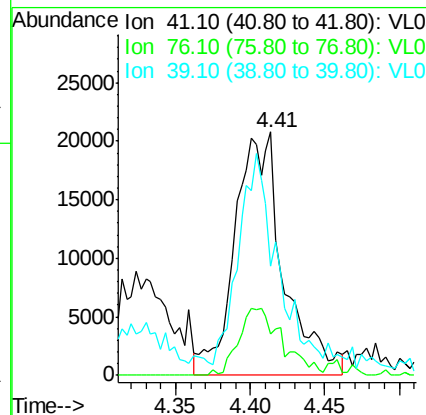
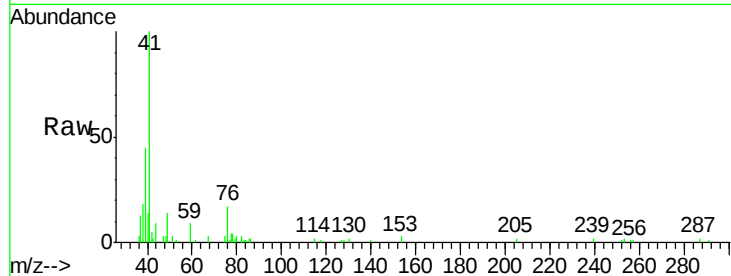
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	41	Resp:	46912
Ion Ratio	Lower	Upper	
41	100		
76	27.1	21.8	32.6
39	82.7	56.8	85.2

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#22

trans-1,2-Dichloroethene

Concen: 0.426 ppbv m

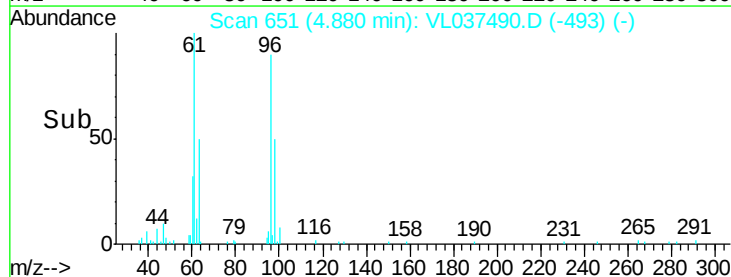
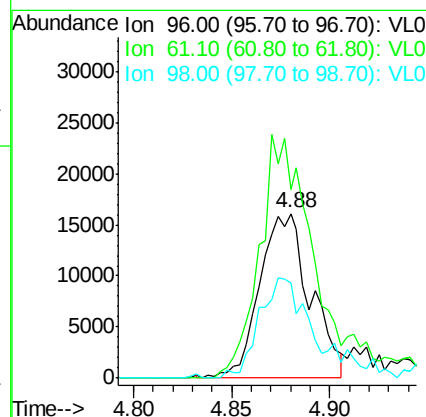
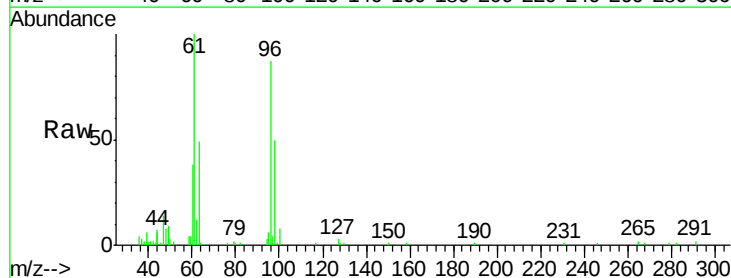
RT: 4.88 min Scan# 651

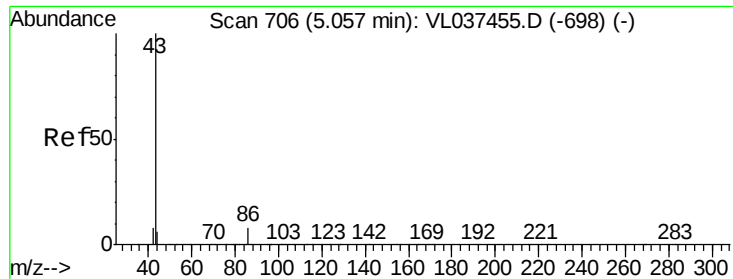
Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion:	96	Resp:	29112
Ion Ratio	Lower	Upper	
96	100		
61	114.7	125.5	188.3#
98	57.9	49.0	73.4





#23

Vinyl Acetate

Concen: 0.351 ppbv m

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

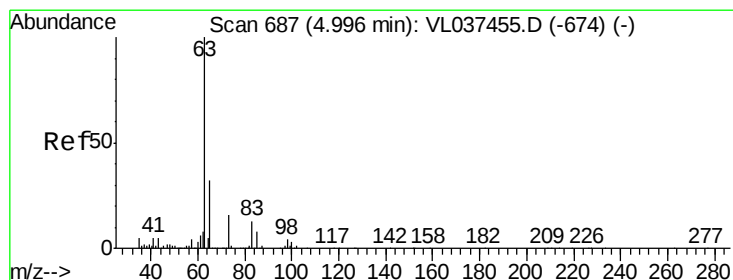
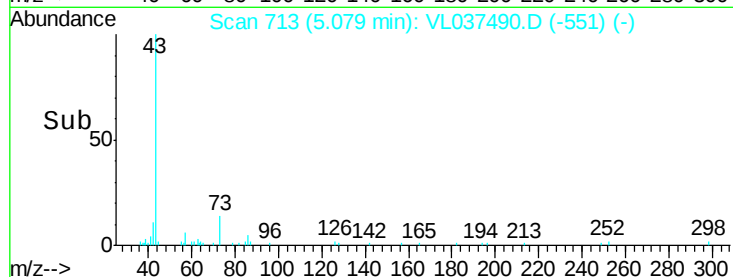
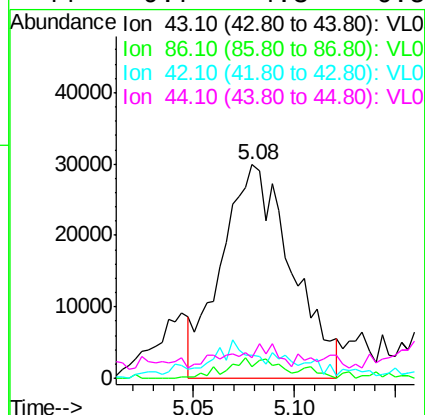
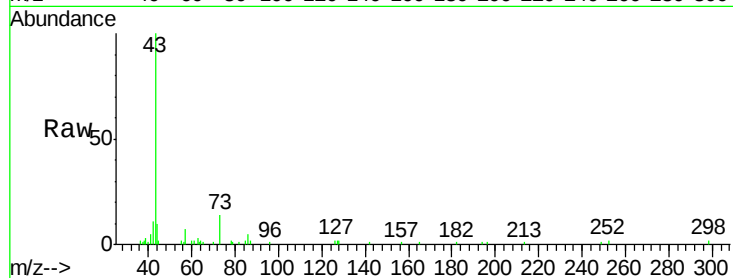
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion	43	Resp	71803
Ion Ratio	Lower	Upper	
43	100		
86	5.2	5.7	8.5#
42	10.7	7.4	11.2
44	9.7	4.3	6.5#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.429 ppbv m

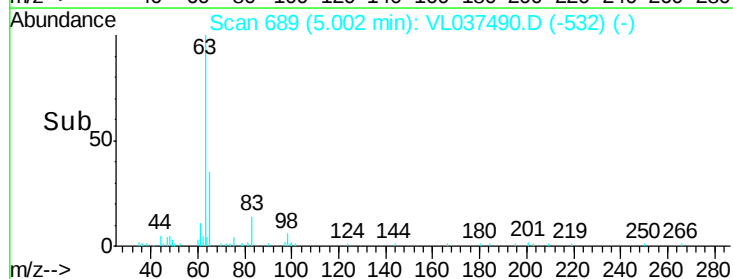
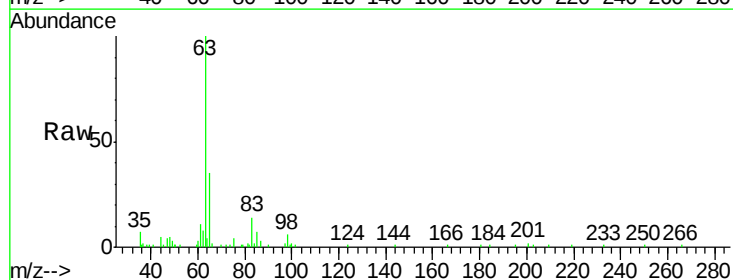
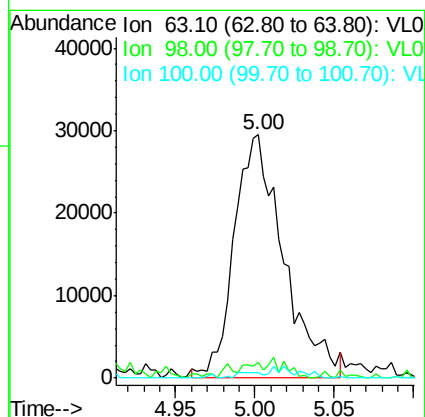
RT: 5.00 min Scan# 689

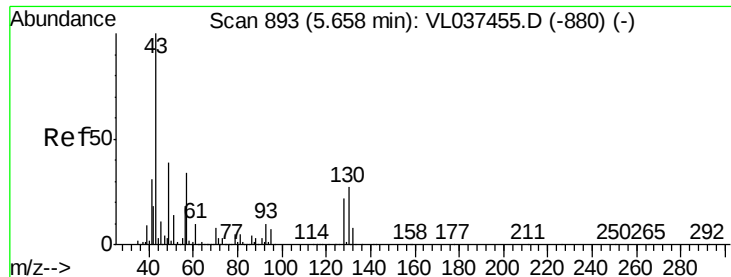
Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion	63	Resp	63657
Ion Ratio	Lower	Upper	
63	100		
98	6.2	2.1	6.3
100	2.1	1.6	4.7





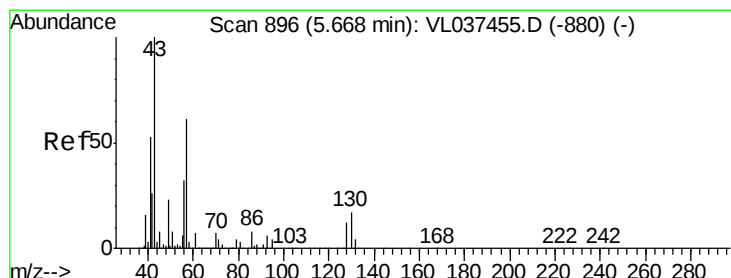
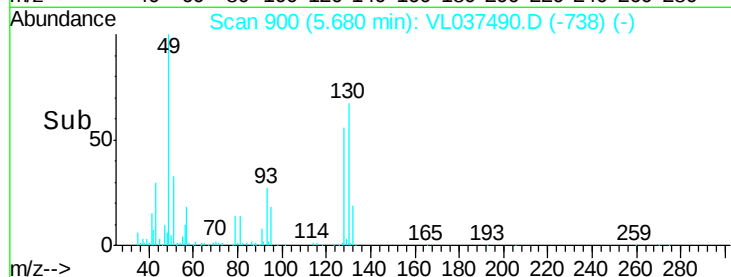
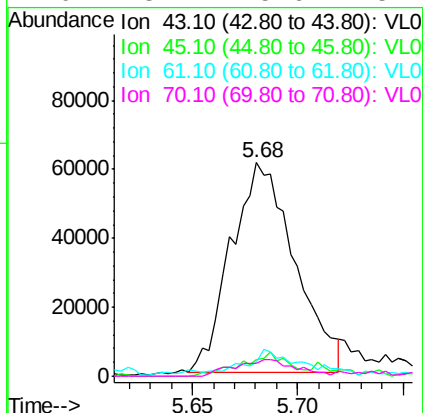
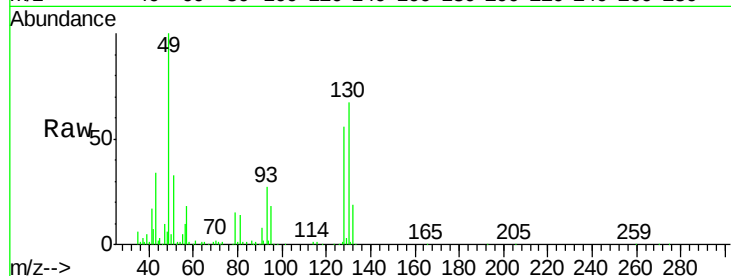
#25
Ethyl Acetate
Concen: 0.364 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
43	100		
45	11.6	8.0	12.0
61	12.7	8.0	12.0#
70	8.1	5.6	8.4

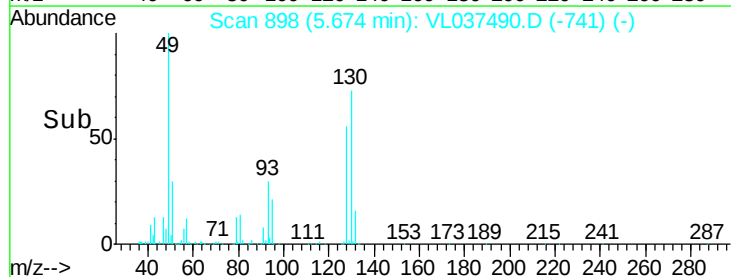
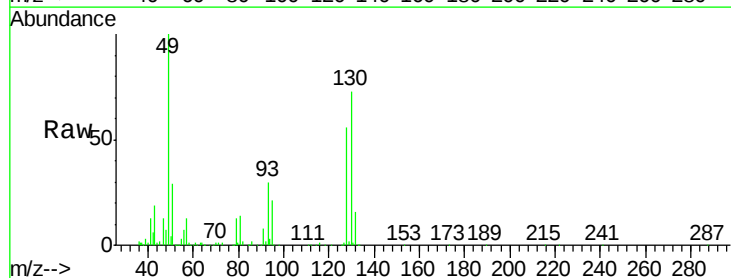
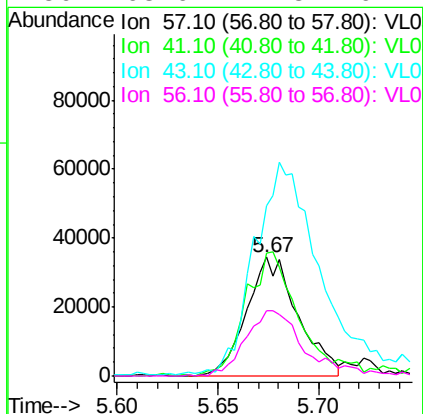
Manual Integrations
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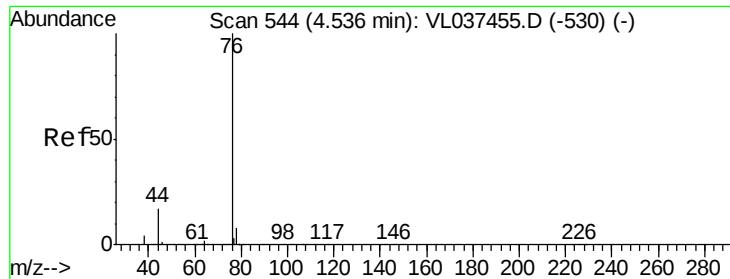
MMDadoda
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#26
Hexane
Concen: 0.356 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	117.9	72.3	108.5#
43	244.2	172.3	258.5
56	63.6	42.8	64.2





#27

Carbon Disulfide

Concen: 0.365 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

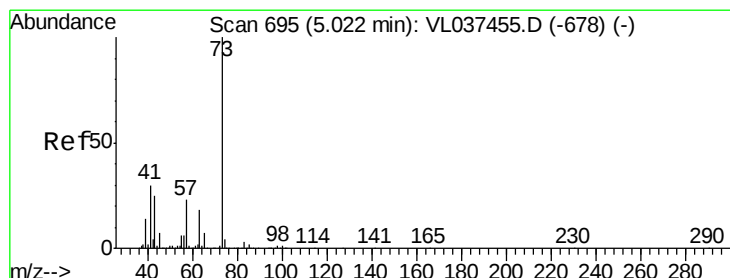
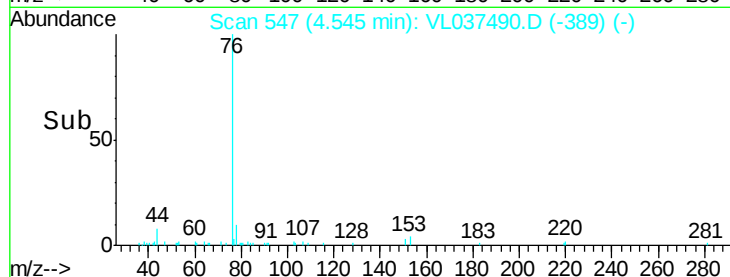
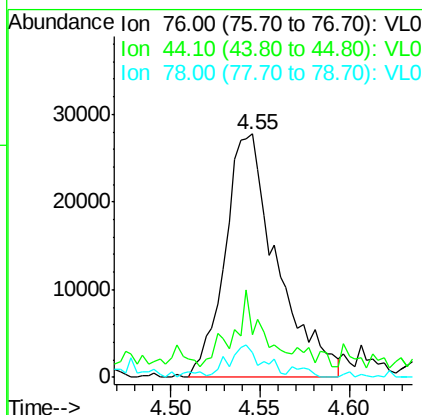
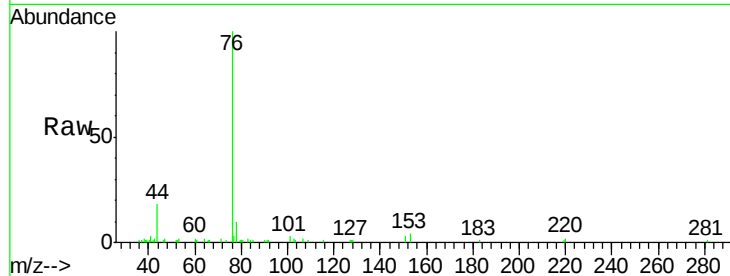
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	76	Resp:	56163
Ion Ratio	Lower	Upper	
76	100		
44	22.2	13.9	20.9#
78	11.2	7.9	11.9

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#28

Methyl tert-Butyl Ether

Concen: 0.358 ppbv m

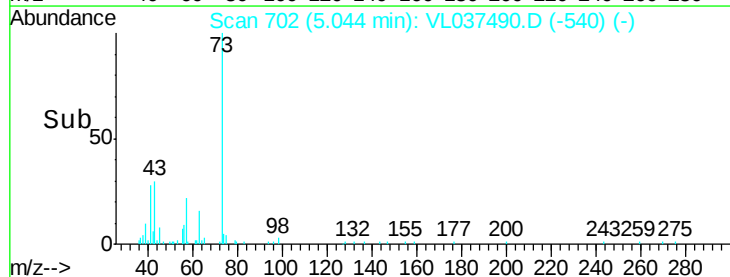
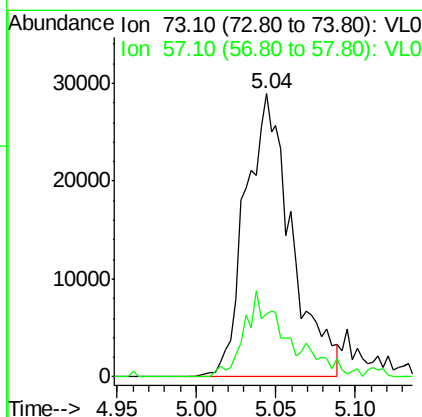
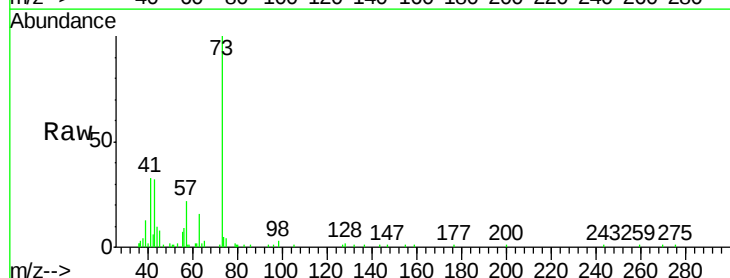
RT: 5.04 min Scan# 702

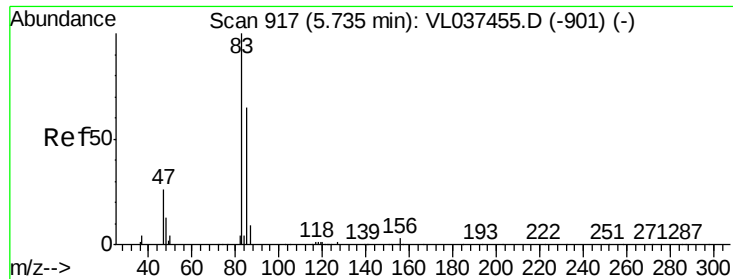
Delta R.T. 0.02 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion:	73	Resp:	59344
Ion Ratio	Lower	Upper	
73	100		
57	29.8	19.4	29.2#





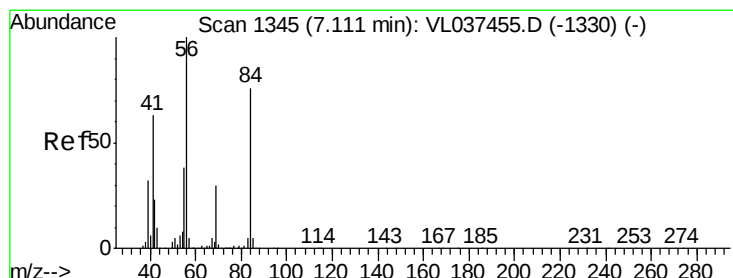
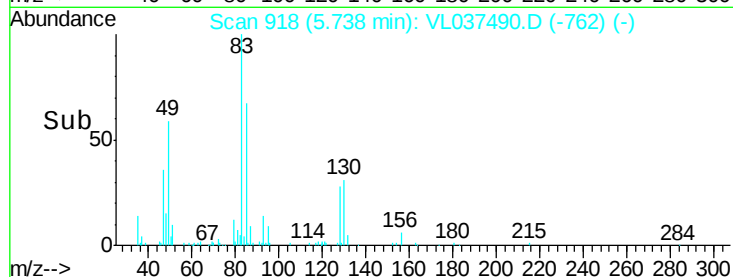
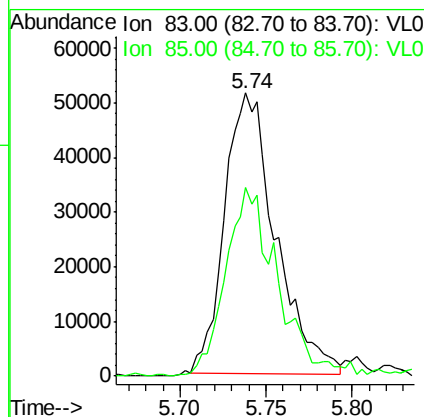
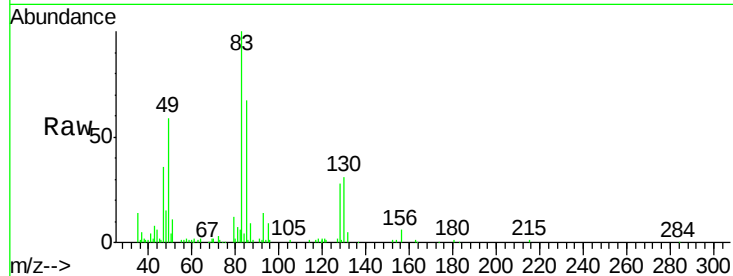
#29
Chloroform
Concen: 0.434 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

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

Tot Ion	83	Resp	106078
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	52.3	78.5

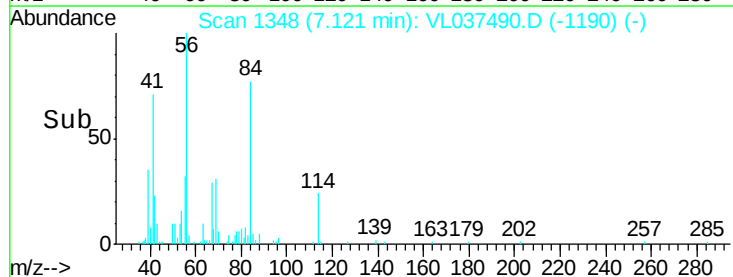
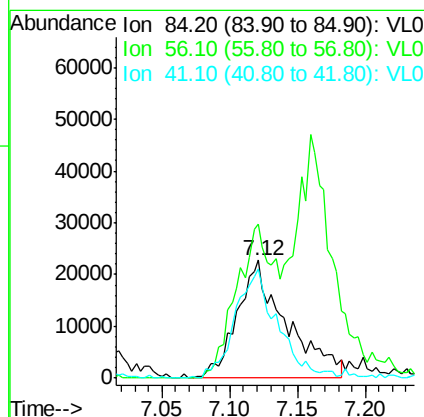
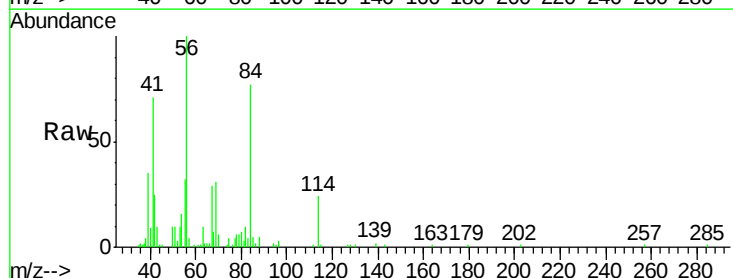
Manual Integrations
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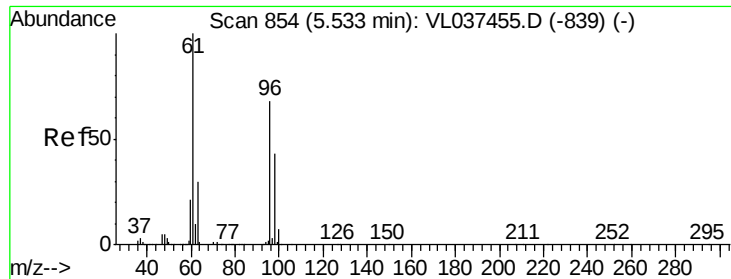
MMDadoda
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#30
Cyclohexane
Concen: 0.400 ppbv m
RT: 7.12 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tgt Ion	84	Resp	57537
Ion Ratio	100	Lower	Upper
84	100		
56	0.0	110.6	165.8#
41	82.5	67.0	100.6





#31

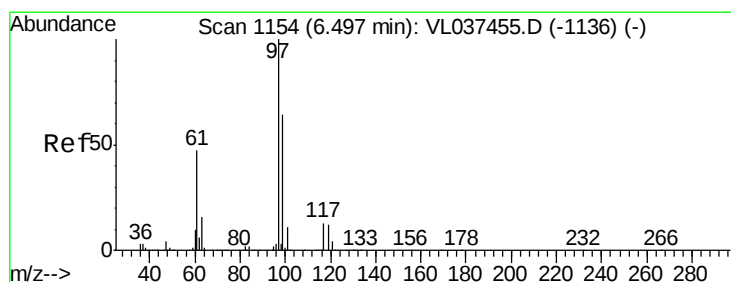
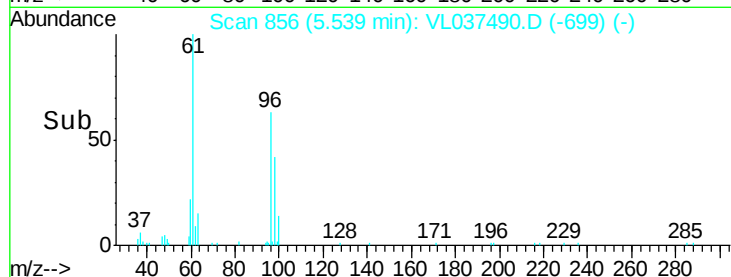
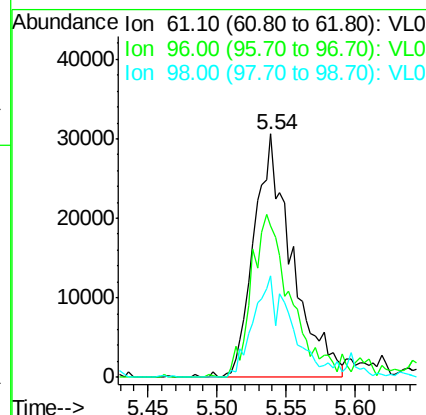
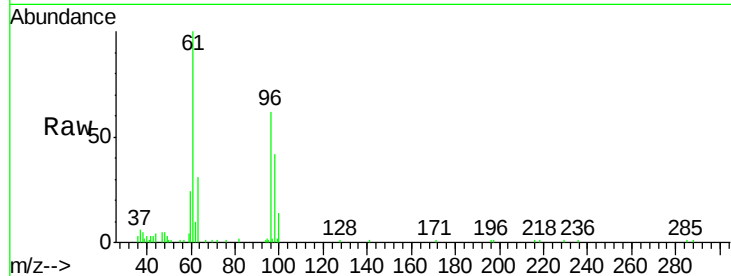
cis-1,2-Dichloroethene
 Concen: 0.373 ppbv m
 RT: 5.54 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Resp	Lower	Upper
61	100	58294		
96	62.4		54.8	82.2
98	41.6		34.2	51.2

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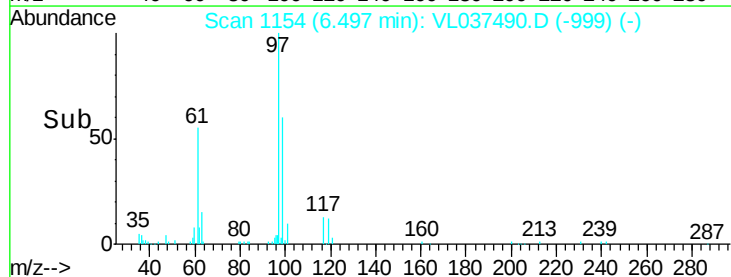
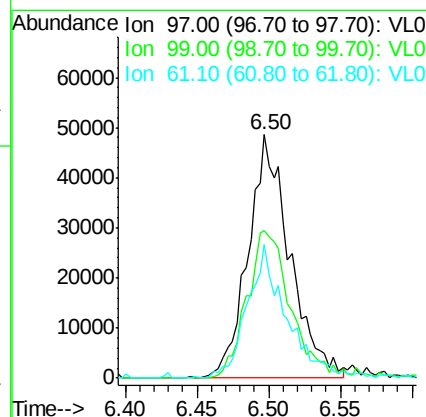
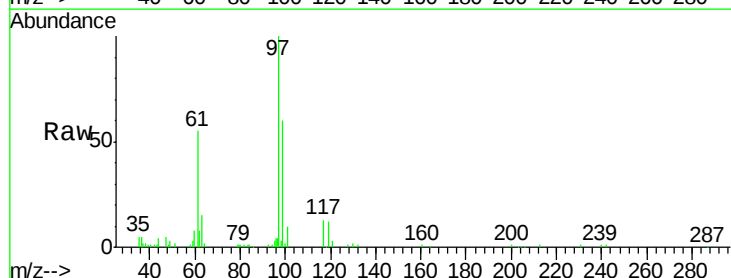
MMDadoda
 8/19/2021 5:57:55 PM

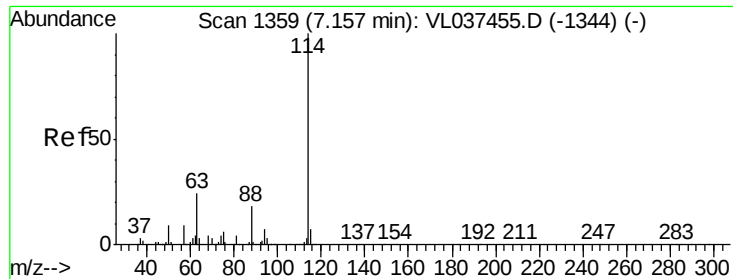


#32

1,1,1-Trichloroethane
 Concen: 0.409 ppbv m
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	98289		
99	0.0		51.8	77.6#
61	0.0		39.6	59.4#





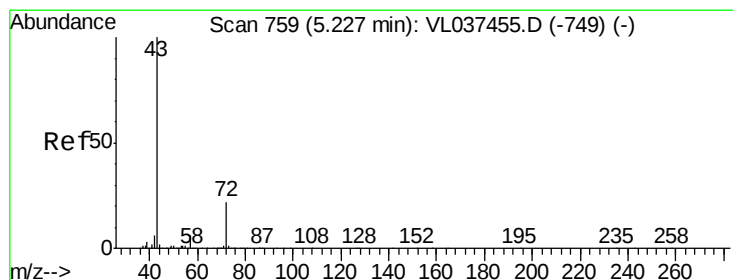
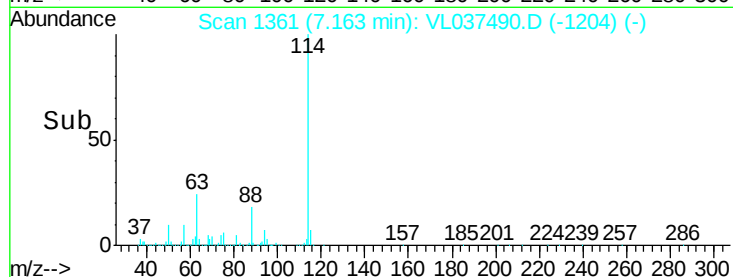
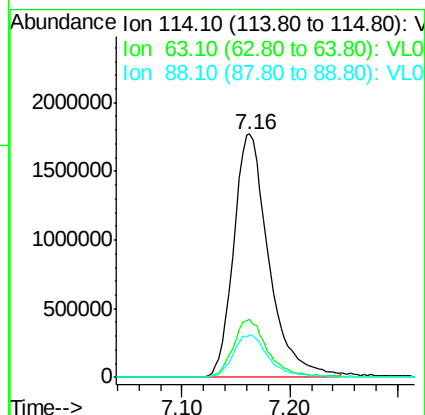
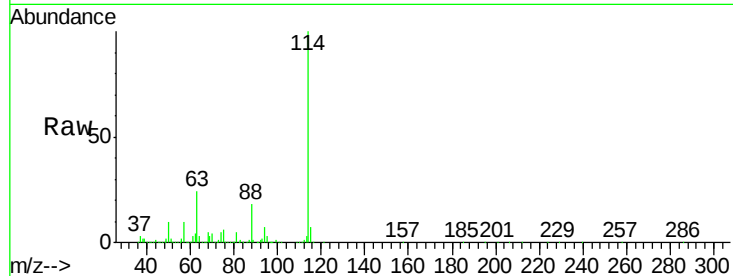
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion:114 Resp: 4043098
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.3 28.9
 88 18.0 14.2 21.4

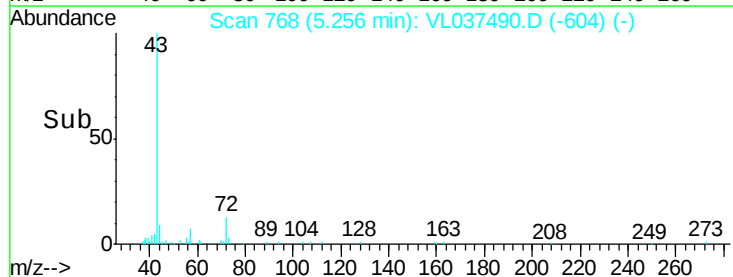
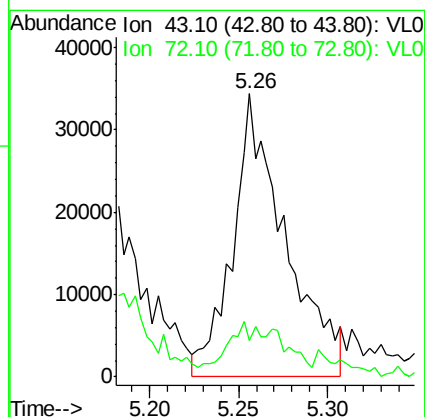
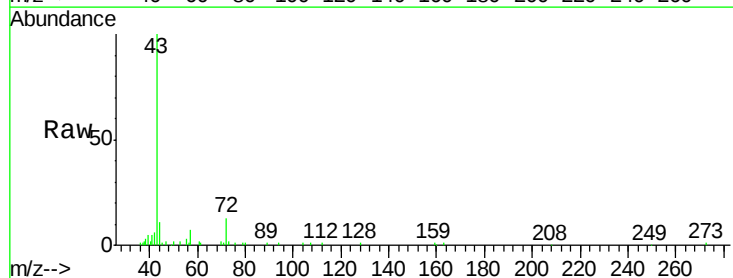
Manual Integrations
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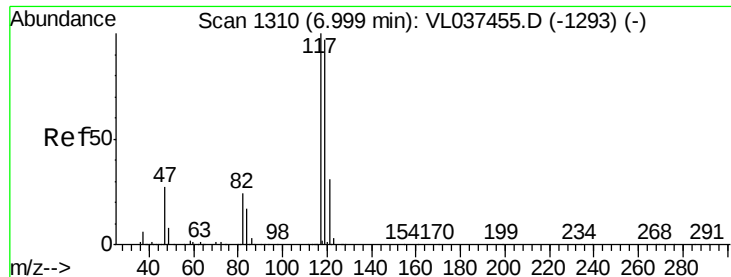
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#34
 2-Butanone
 Concen: 0.426 ppbv m
 RT: 5.26 min Scan# 768
 Delta R.T. 0.03 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion: 43 Resp: 70279
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.4 26.0#





#35

Carbon Tetrachloride

Concen: 0.398 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

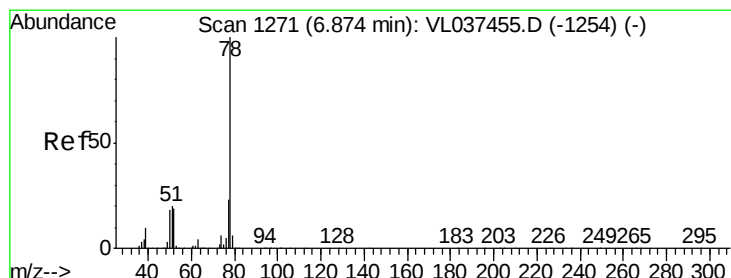
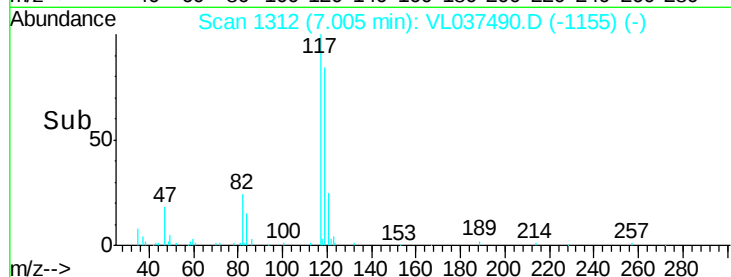
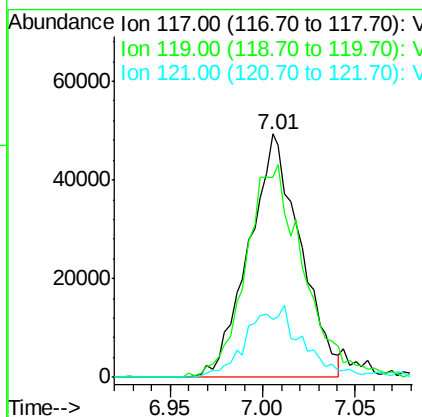
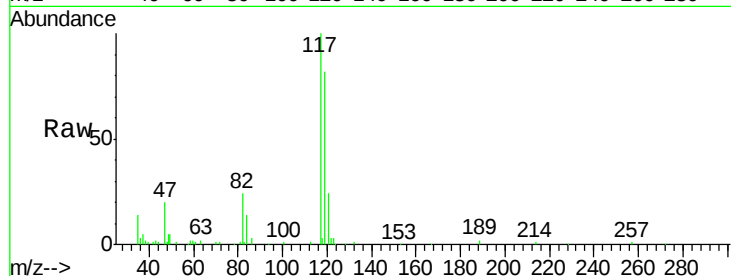
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	117	Resp:	95184
Ion Ratio	Lower	Upper	
117	100		
119	80.3	77.3	115.9
121	24.0	25.2	37.8#

Manual Integrations
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#36

Benzene

Concen: 0.384 ppbv

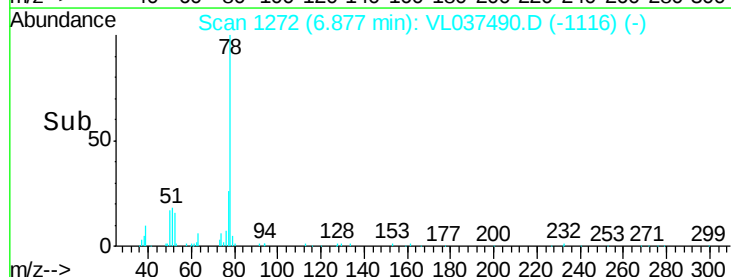
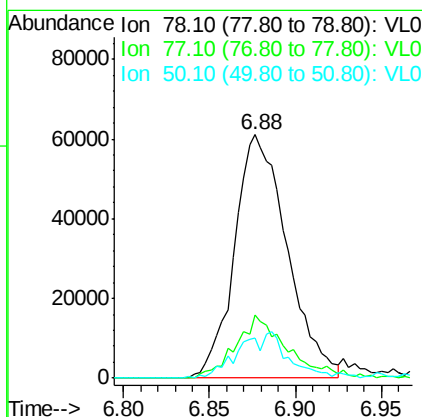
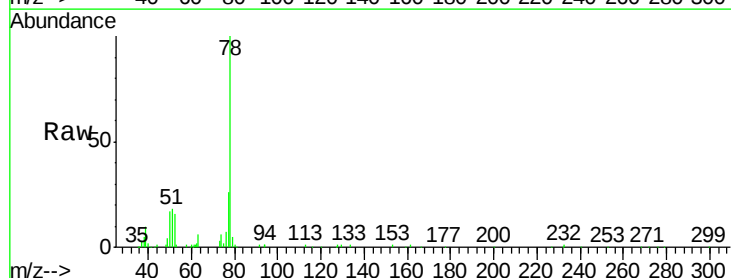
RT: 6.88 min Scan# 1272

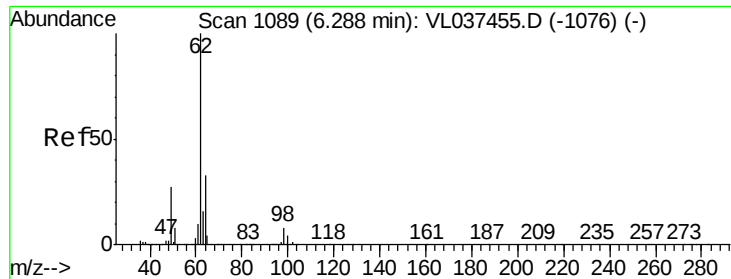
Delta R.T. 0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion:	78	Resp:	130434
Ion Ratio	Lower	Upper	
78	100		
77	25.7	18.2	27.4
50	15.9	14.6	21.8





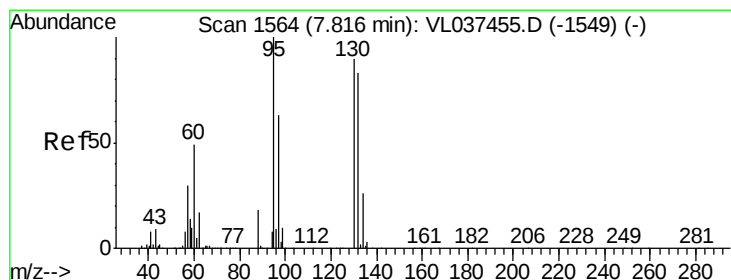
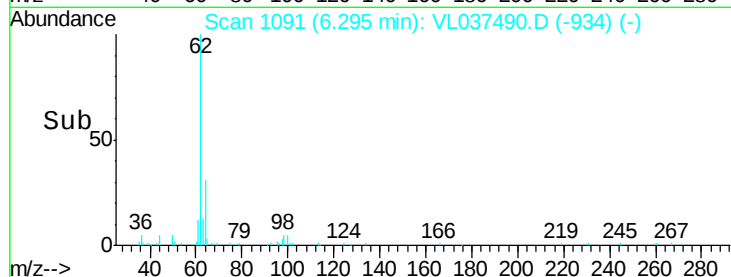
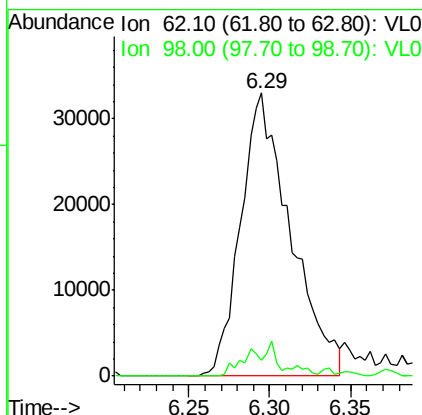
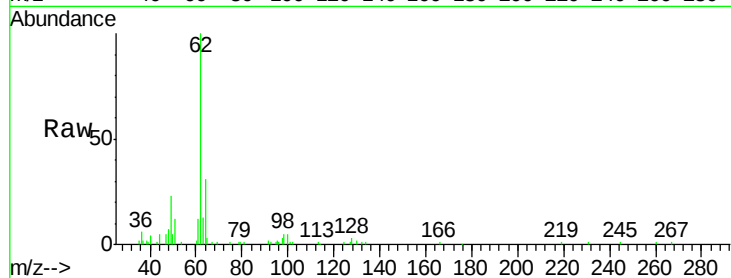
#37
1,2-Dichloroethane
Concen: 0.418 ppbv m
RT: 6.29 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Resp	Lower	Upper
62	100	70322		
98	8.8	6.0	9.0	

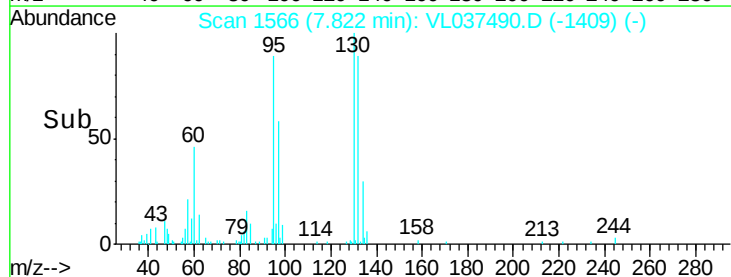
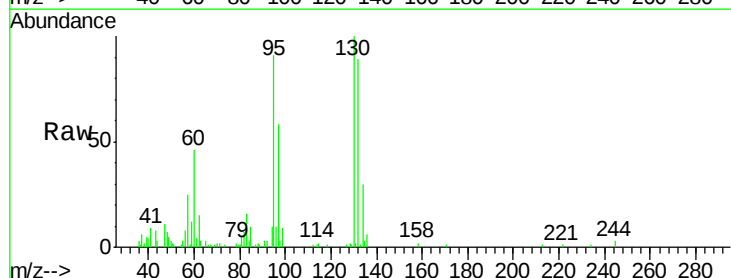
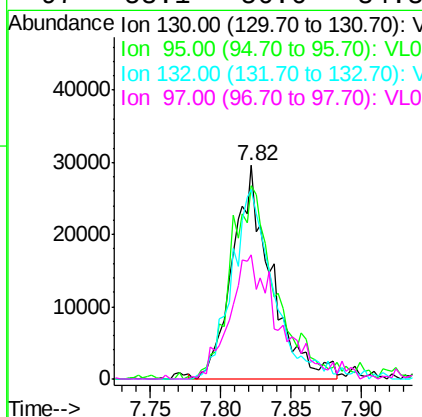
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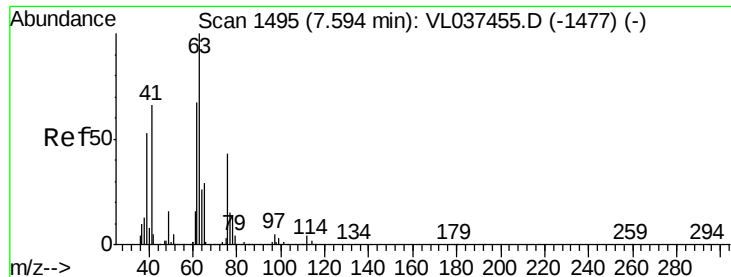
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#38
Trichloroethene
Concen: 0.406 ppbv m
RT: 7.82 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	56638		
95	90.6	89.2	133.8	
132	88.7	74.0	111.0	
97	58.1	56.6	84.8	





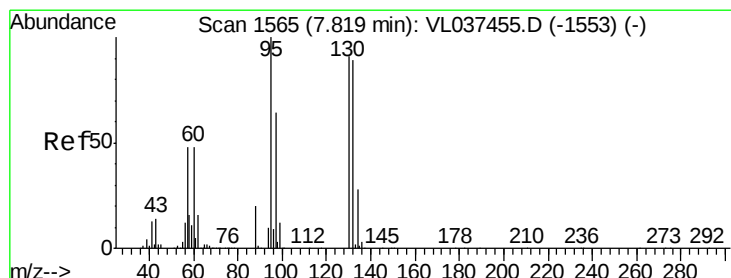
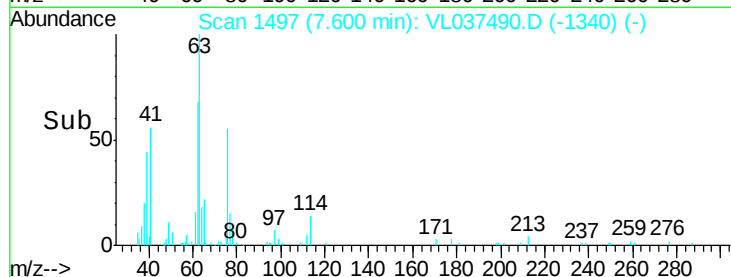
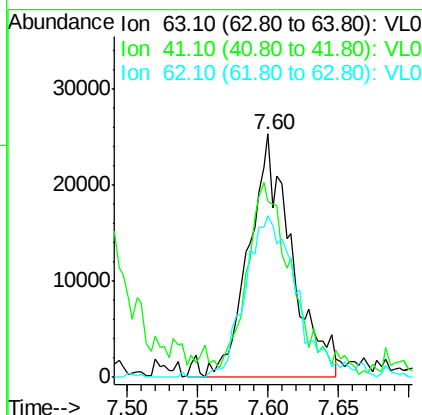
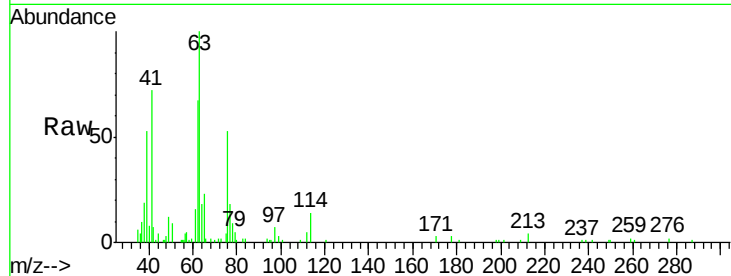
#39
 1,2-Dichloropropane
 Concen: 0.413 ppbv m
 RT: 7.60 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
63	100		
41	72.3	52.4	78.6
62	66.7	53.6	80.4

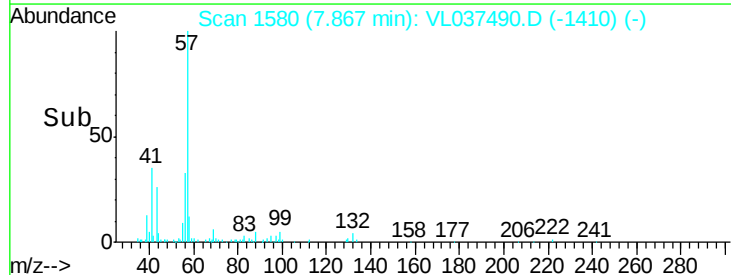
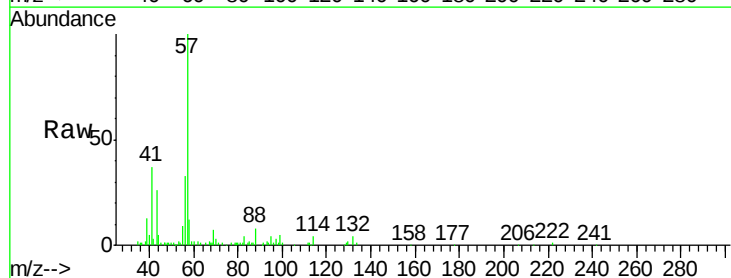
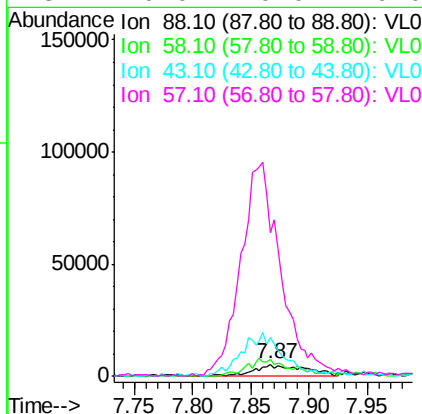
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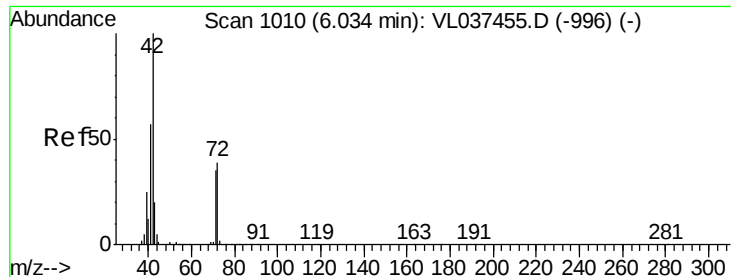
MMDadoda
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#40
 1,4-Dioxane
 Concen: 0.486 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.05 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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





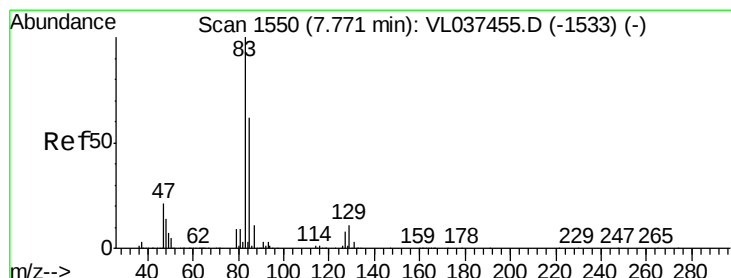
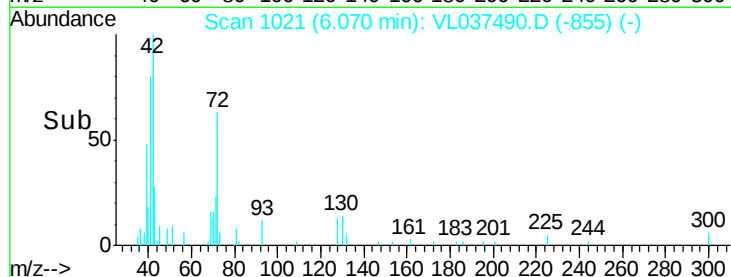
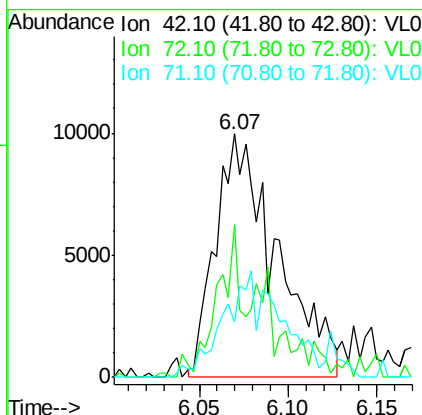
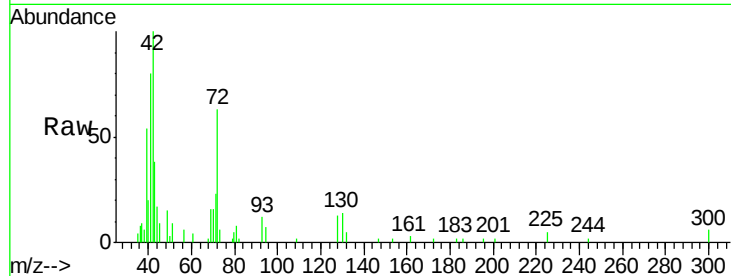
#41
Tetrahydrofuran
Concen: 0.299 ppbv m
RT: 6.07 min Scan# 1021
Delta R.T. 0.04 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

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

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

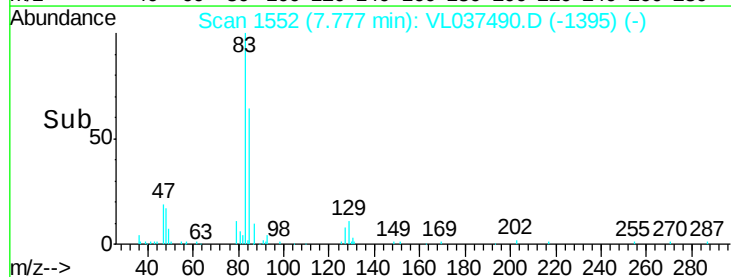
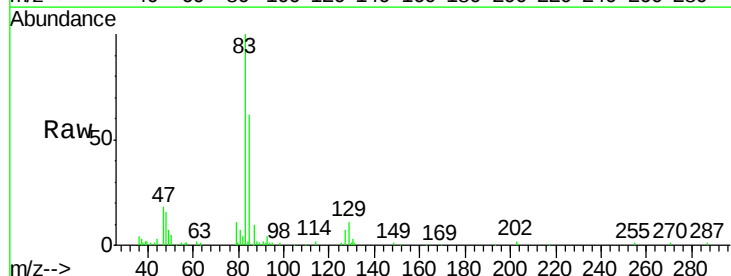
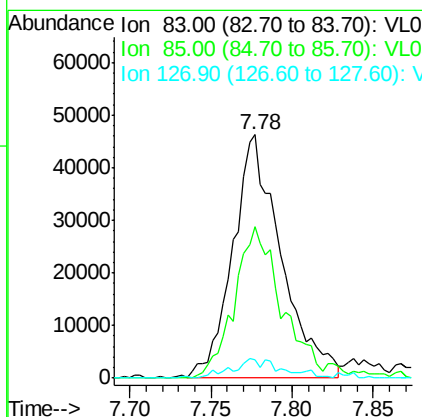
Manual Integrations
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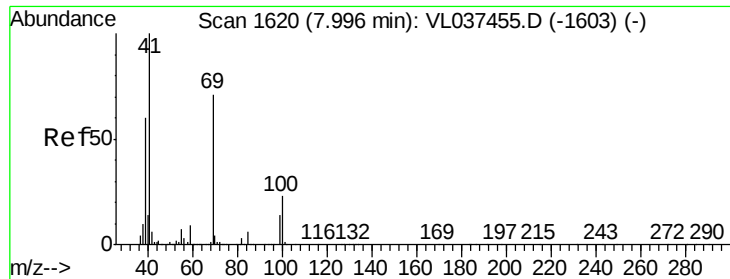
MMDadoda
8/19/2021 5:57:55 PM



#42
Bromodichloromethane
Concen: 0.388 ppbv m
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.5	74.3
127	7.4	6.3	9.5





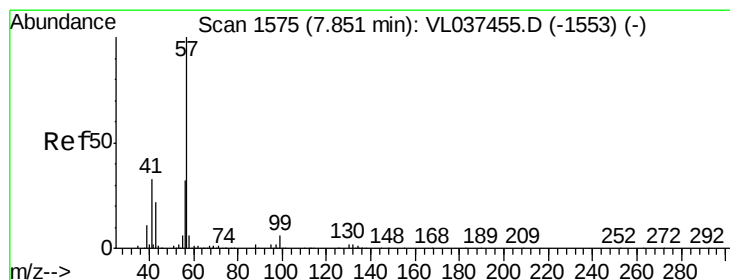
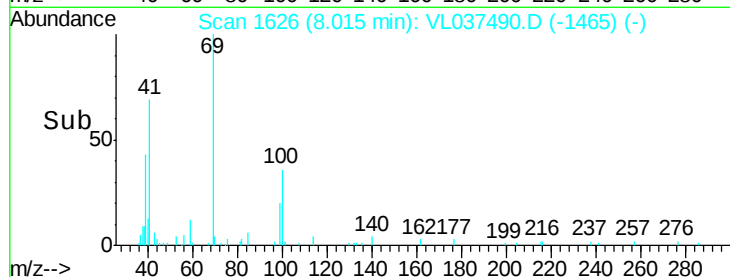
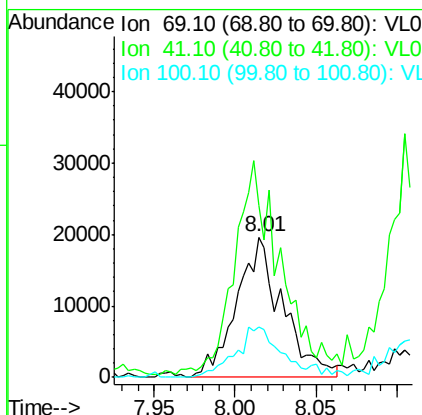
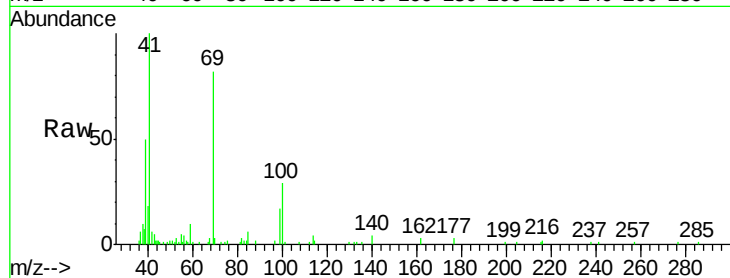
#43
Methvl Methacrylate
Concen: 0.328 ppbv m
RT: 8.01 min Scan# 1626
Delta R.T. 0.02 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

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

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

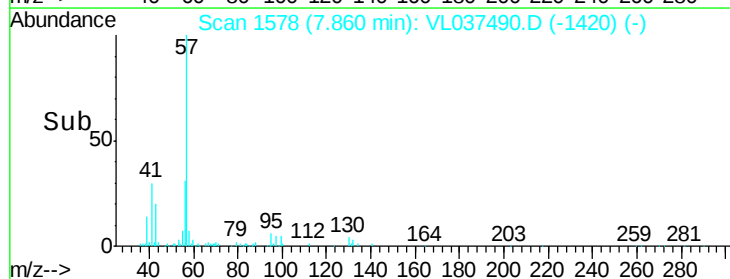
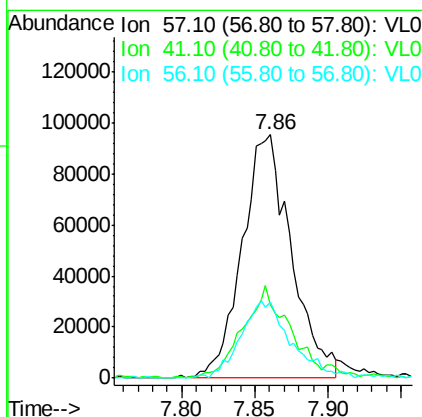
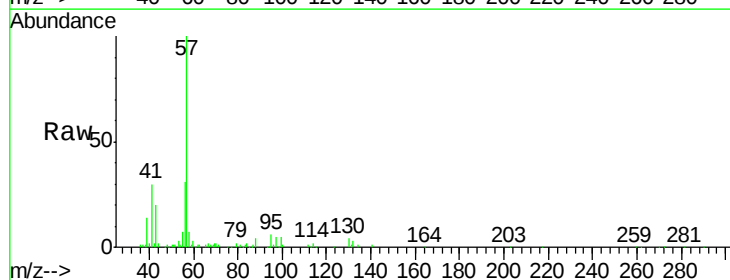
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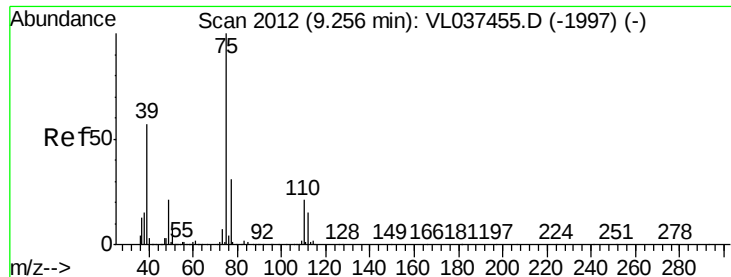
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.389 ppbv m
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	37.7	26.2	39.4	
56	33.1	25.4	38.2	





#45

t-1,3-Dichloropropene

Concen: 0.289 ppbv m

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 75 Resp: 25789

Ion Ratio Lower Upper

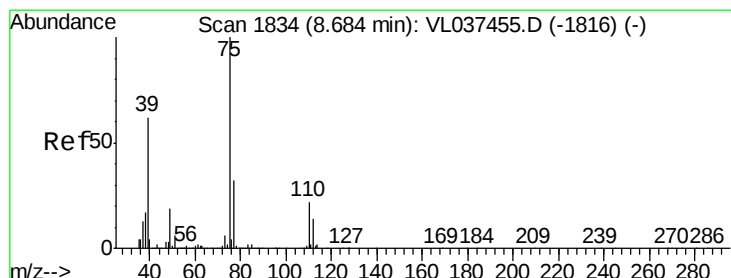
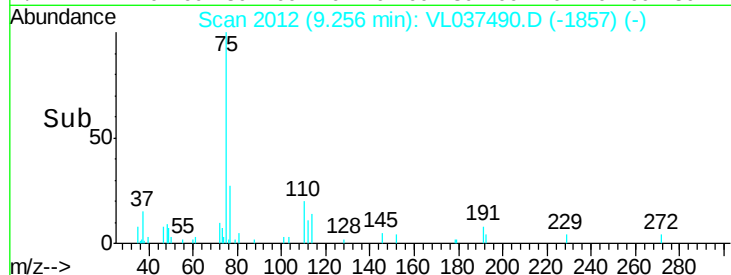
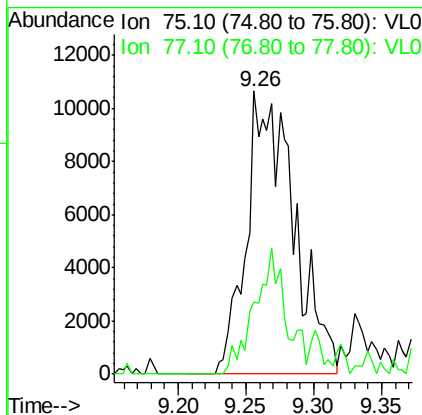
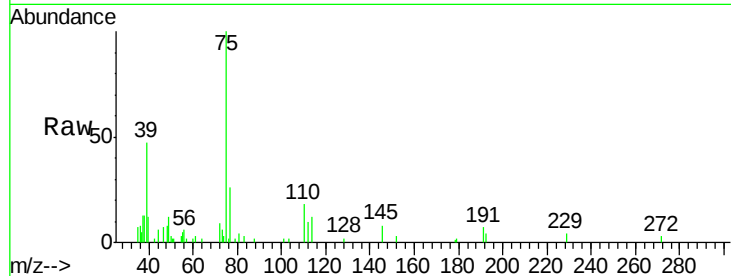
75 100

77 25.7 24.5 36.7

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#46

cis-1,3-Dichloropropene

Concen: 0.289 ppbv m

RT: 8.70 min Scan# 1839

Delta R.T. 0.02 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

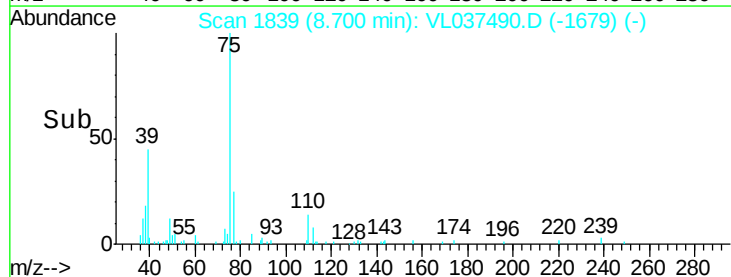
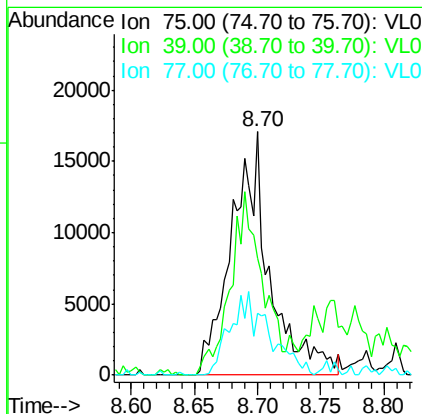
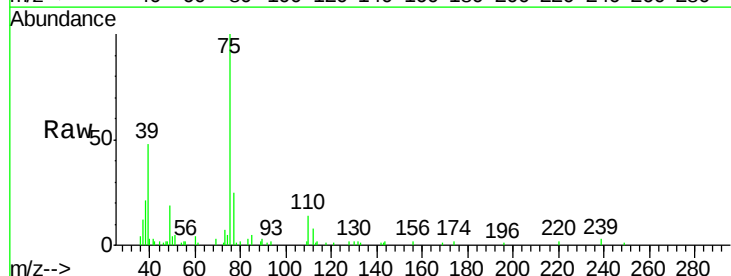
Tgt Ion: 75 Resp: 35971

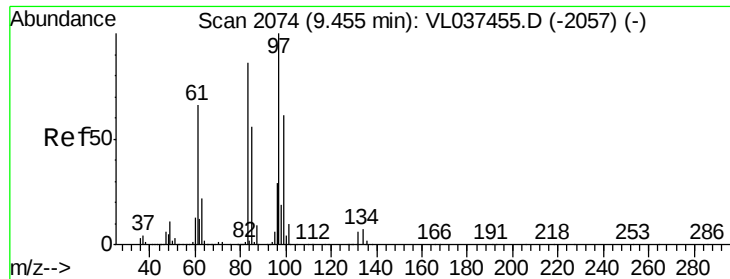
Ion Ratio Lower Upper

75 100

39 48.2 49.7 74.5#

77 25.5 25.4 38.0





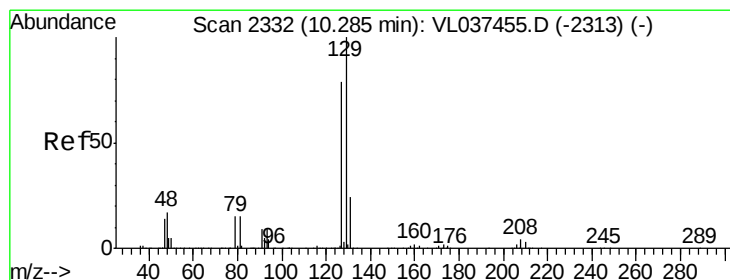
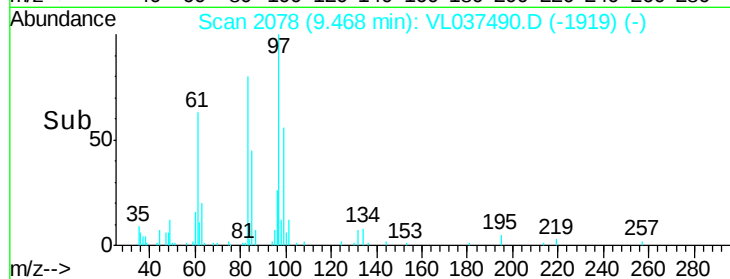
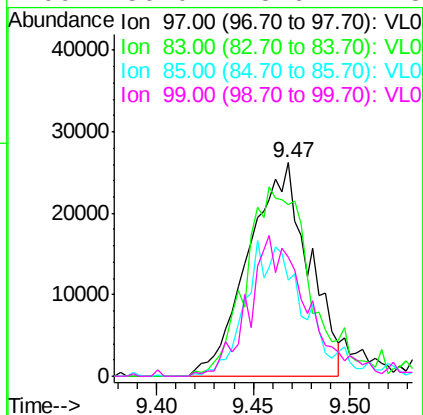
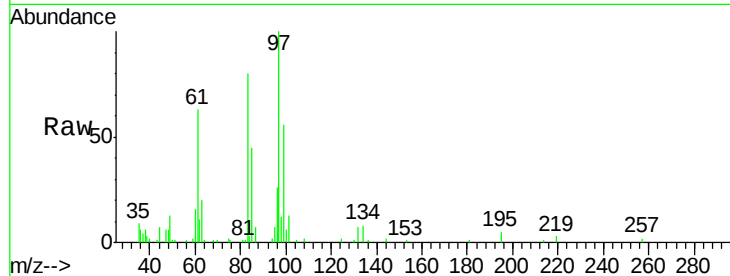
#47
 1,1,2-Trichloroethane
 Concen: 0.402 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		56701		
83	80.1	68.7	103.1		
85	44.9	44.7	67.1		
99	56.0	48.6	72.8		

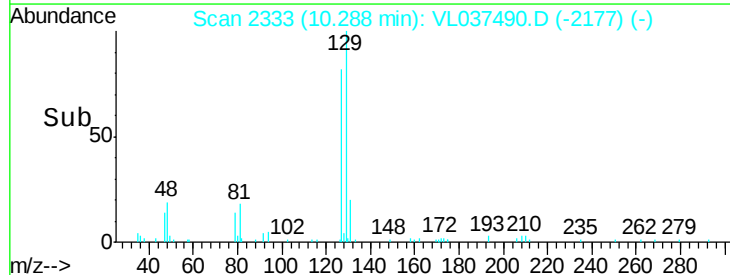
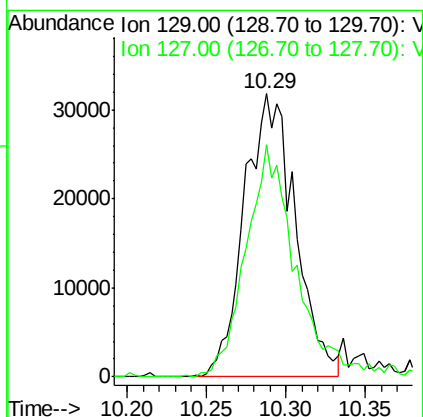
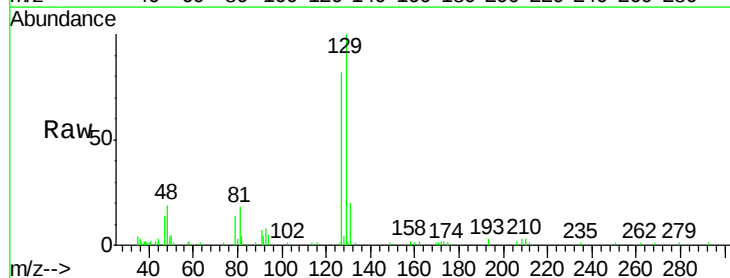
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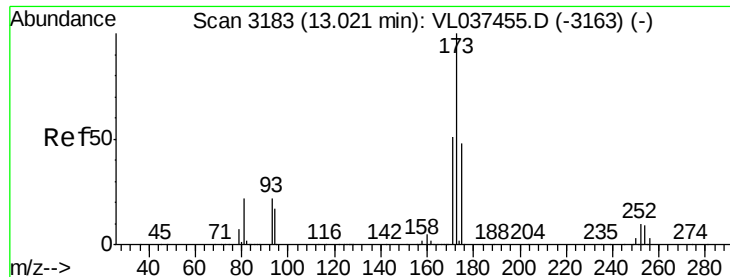
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#48
 Dibromochloromethane
 Concen: 0.348 ppbv m
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		70663		
127	0.0	40.0	120.0		





#49

Bromoform

Concen: 0.271 ppbv m

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

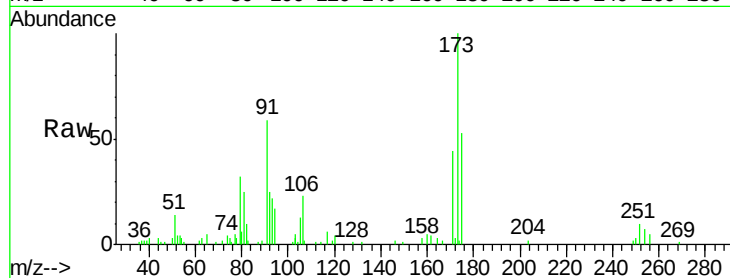
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	41.9	62.9#
171	63.1	44.2	66.4

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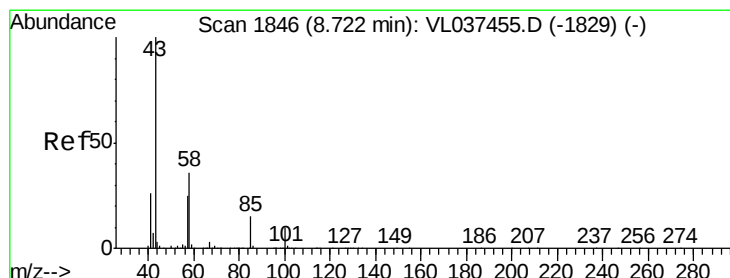
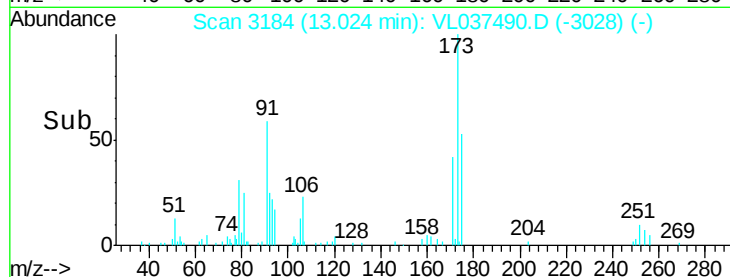
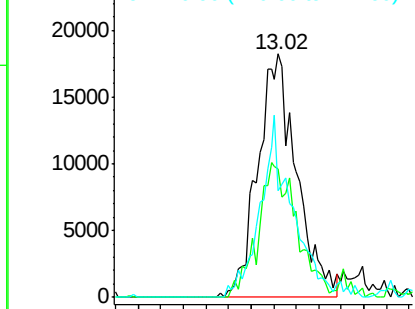


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.328 ppbv m

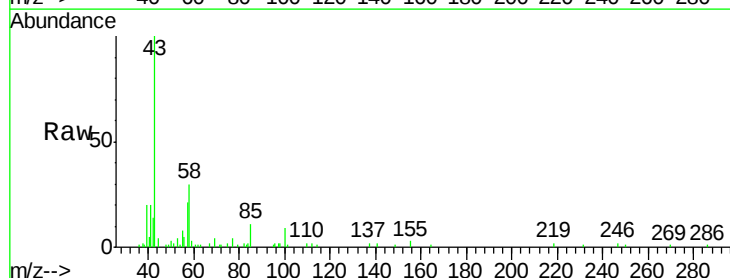
RT: 8.76 min Scan# 1858

Delta R.T. 0.04 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

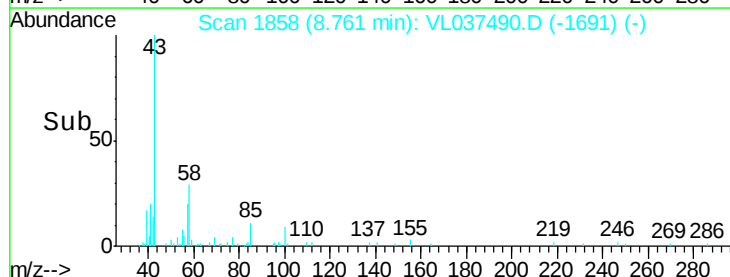
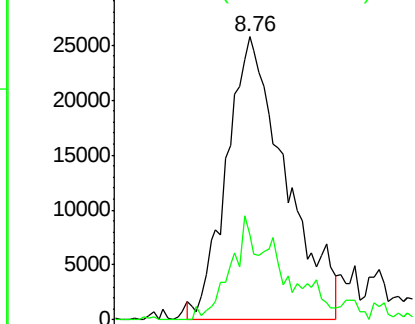
Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.9	44.9#

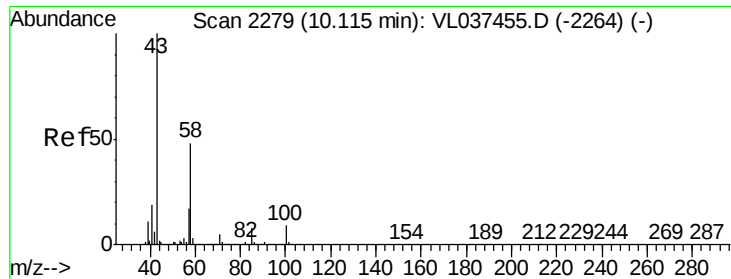


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.296 ppbv m

RT: 10.16 min Scan# 2293

Delta R.T. 0.04 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

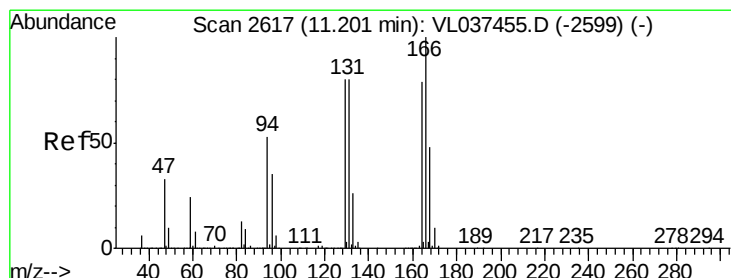
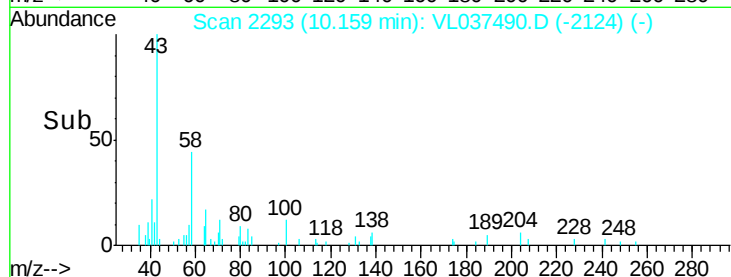
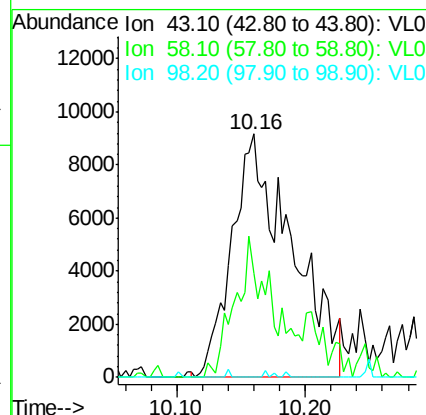
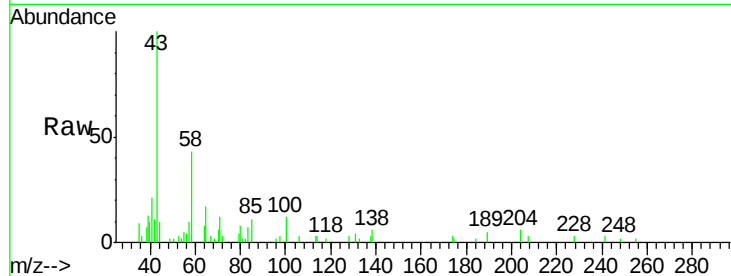
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	43	Resp:	29347
Ion Ratio	Lower	Upper	
43	100		
58	48.8	41.0	61.6
98	0.0	0.3	0.5#

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#52

Tetrachloroethene

Concen: 0.373 ppbv m

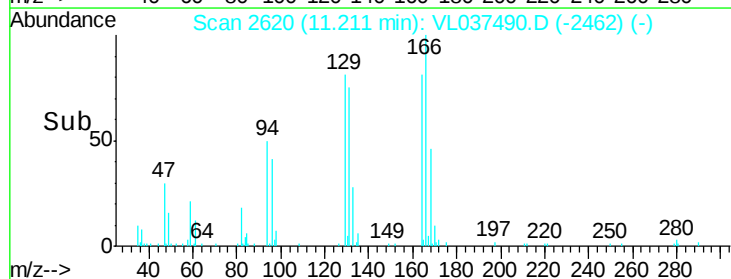
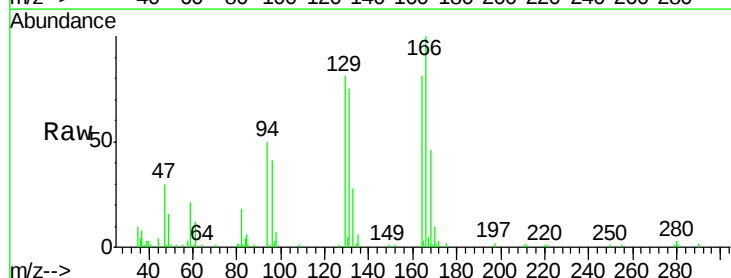
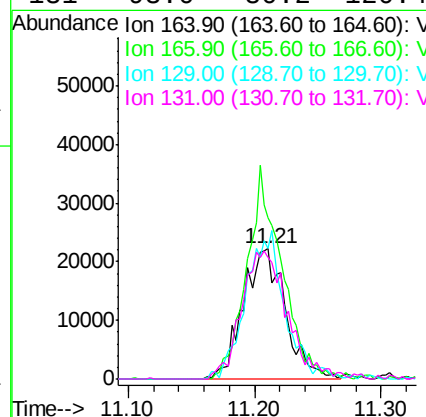
RT: 11.21 min Scan# 2620

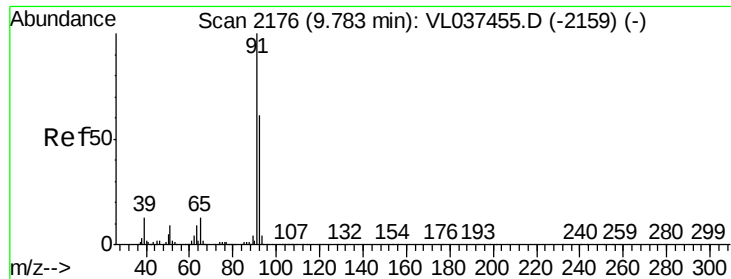
Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion:	164	Resp:	51923
Ion Ratio	Lower	Upper	
164	100		
166	124.0	100.7	151.1
129	100.4	80.9	121.3
131	93.0	80.2	120.4





#53

Toluene

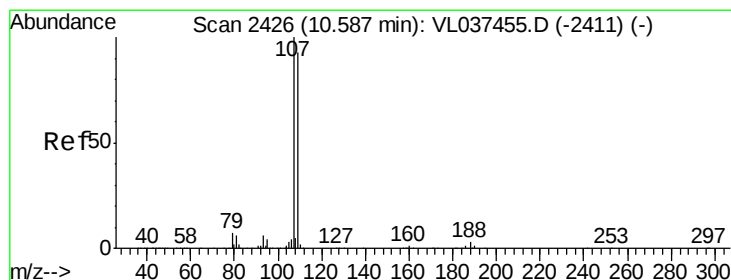
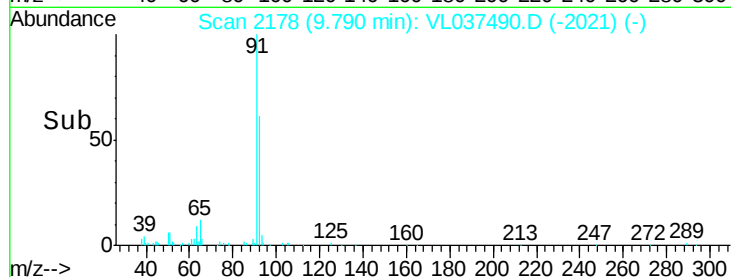
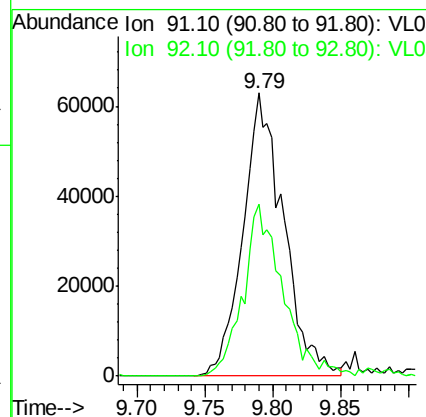
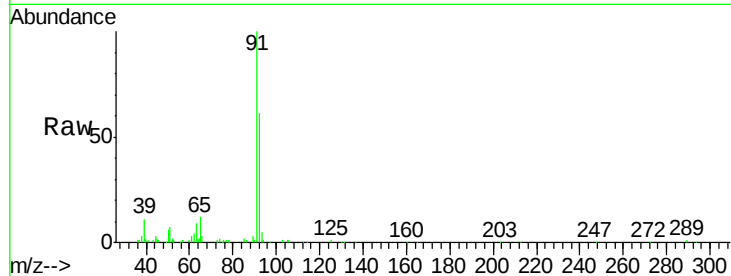
Concen: 0.336 ppbv m
RT: 9.79 min Scan# 2178
Delta R.T. 0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.8	73.2

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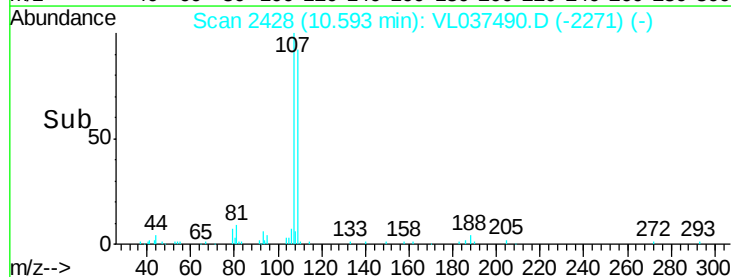
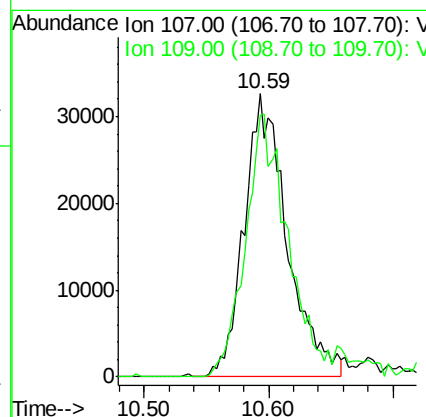
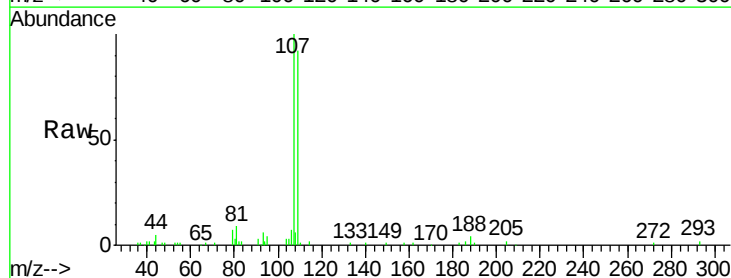


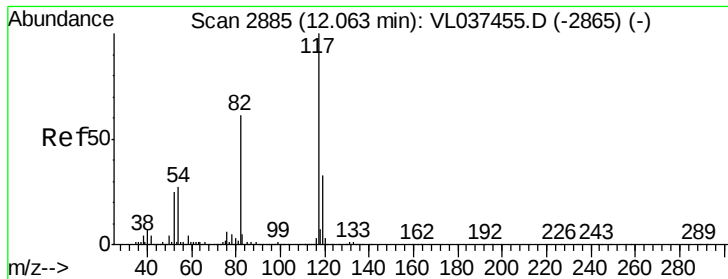
#54

1,2-Dibromoethane

Concen: 0.395 ppbv m
RT: 10.59 min Scan# 2428
Delta R.T. 0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.2	111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:117 Resp: 3478283

Ion Ratio Lower Upper

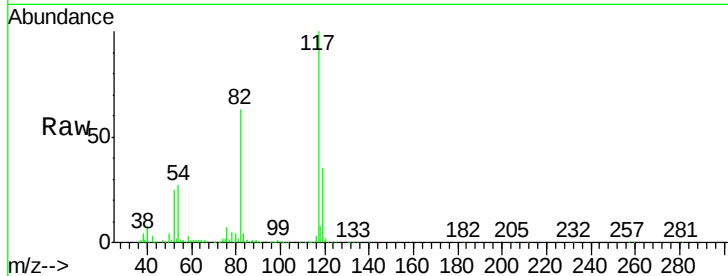
117 100

82 65.8 52.9 79.3

119 35.4 24.8 37.2

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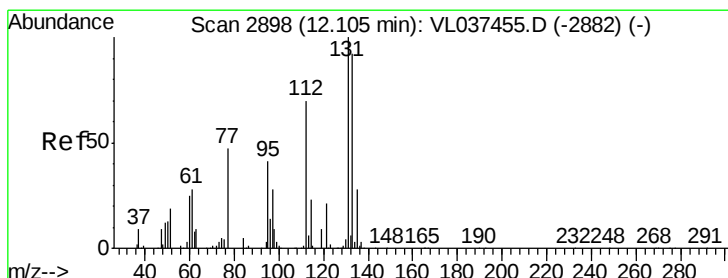
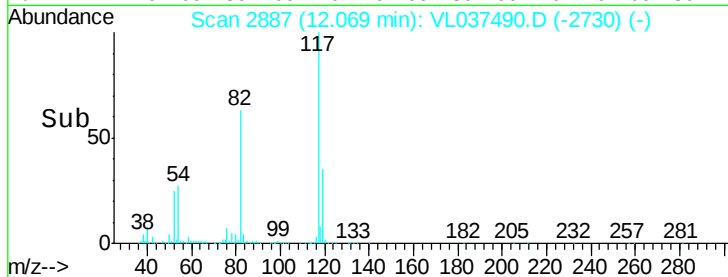
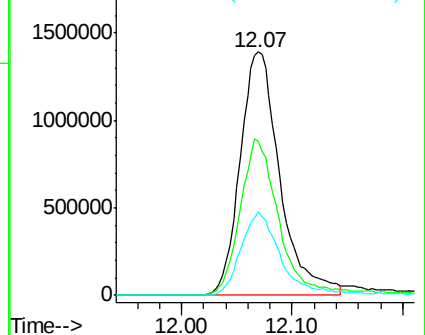
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.450 ppbv m

RT: 12.11 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

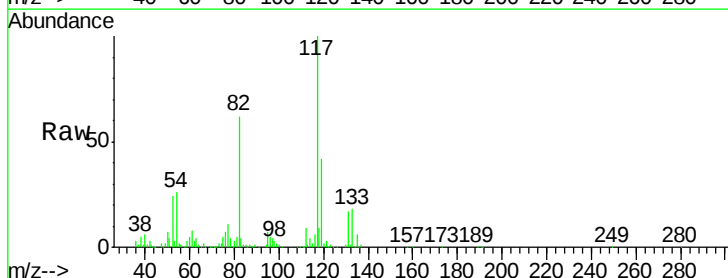
Tgt Ion:131 Resp: 65237

Ion Ratio Lower Upper

131 100

133 92.8 78.7 118.1

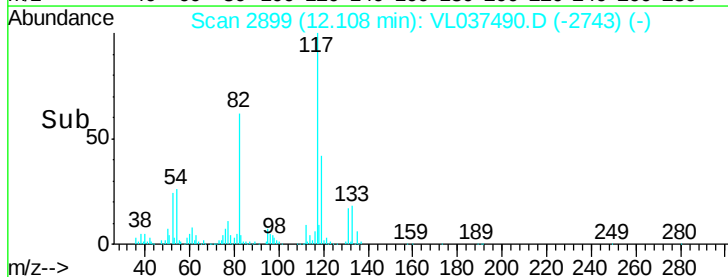
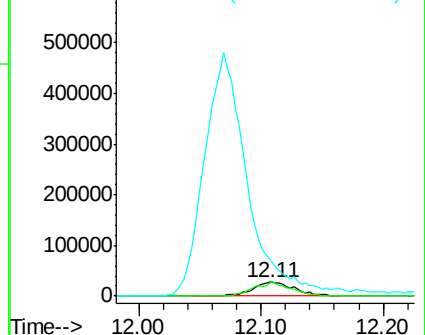
119 0.0 56.6 85.0#

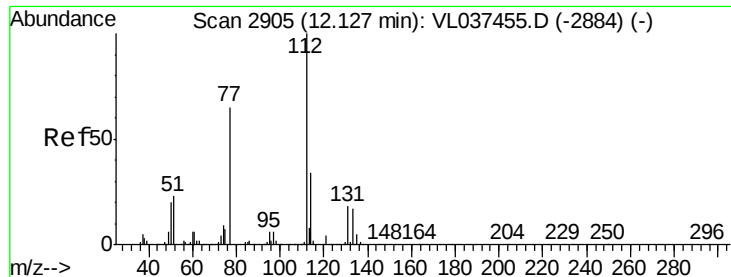


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.457 ppbv m

RT: 12.12 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

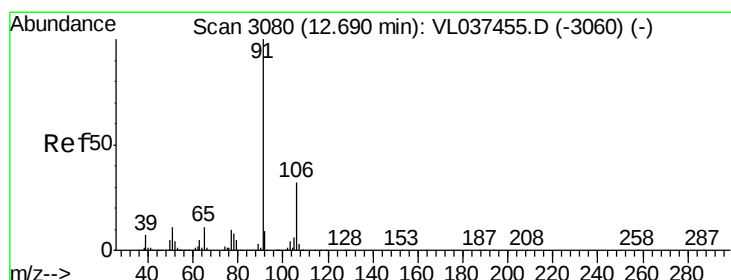
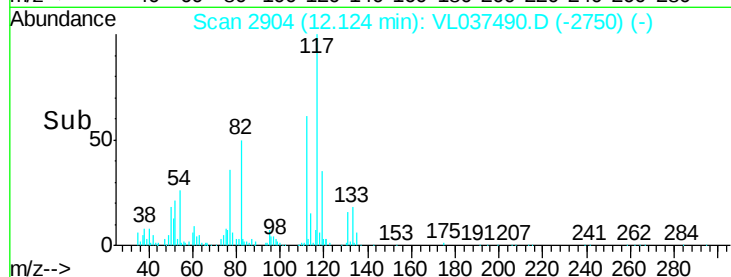
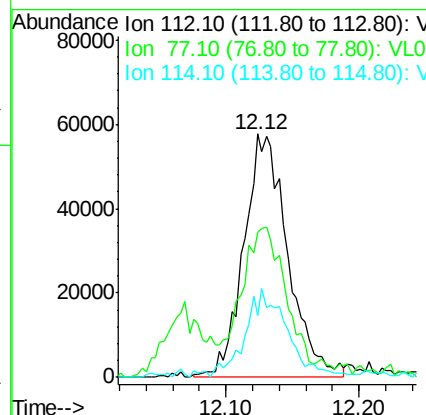
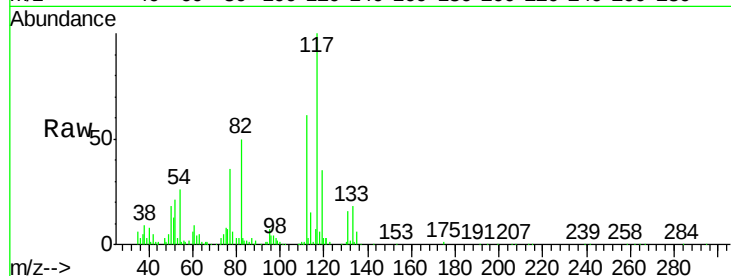
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	112	Resp:	131851
Ion Ratio	Lower	Upper	
112	100		
77	59.6	51.6	77.4
114	25.4	30.7	37.5#

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.325 ppbv

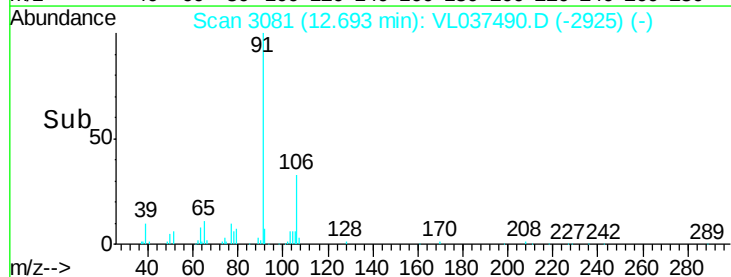
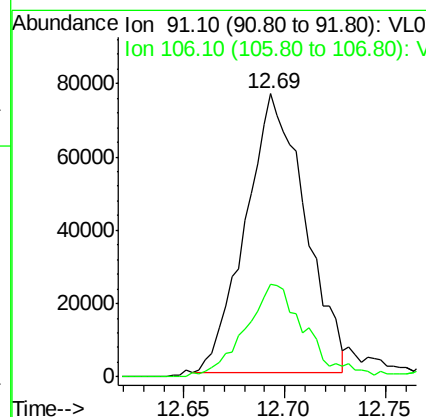
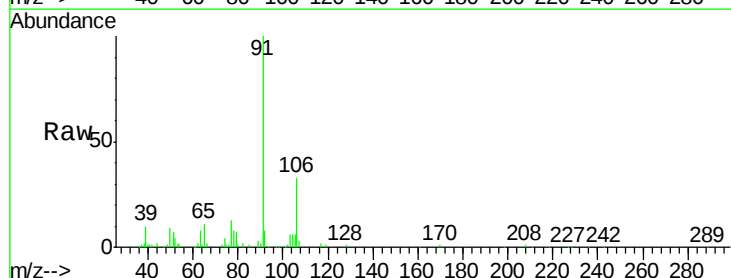
RT: 12.69 min Scan# 3081

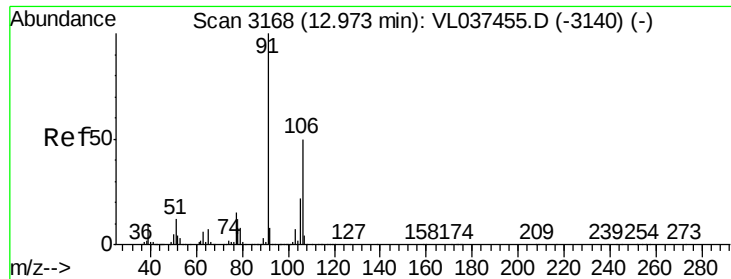
Delta R.T. 0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion:	91	Resp:	156657
Ion Ratio	Lower	Upper	
91	100		
106	31.7	25.7	38.5





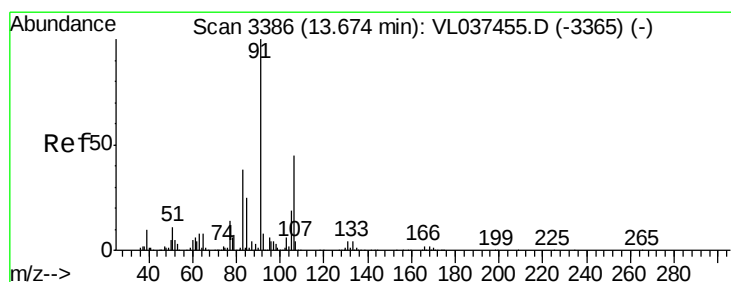
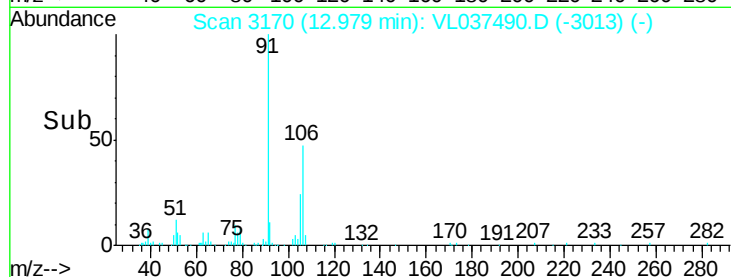
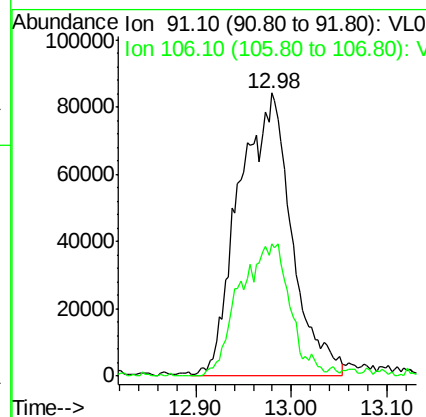
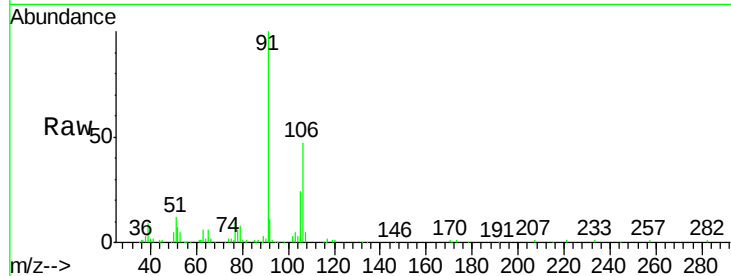
#59
m/p-Xylene
Concen: 0.770 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

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

Tot Ion: 91 Resp: 322181
Ion Ratio Lower Upper
91 100
106 45.2 36.9 55.3

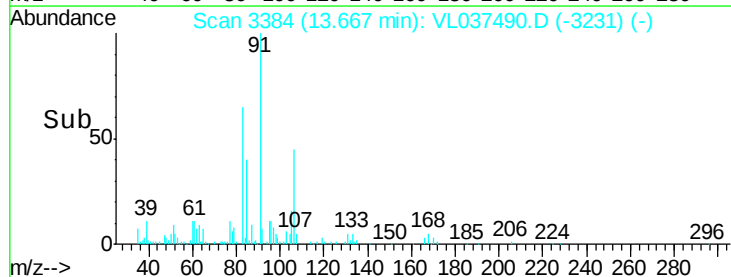
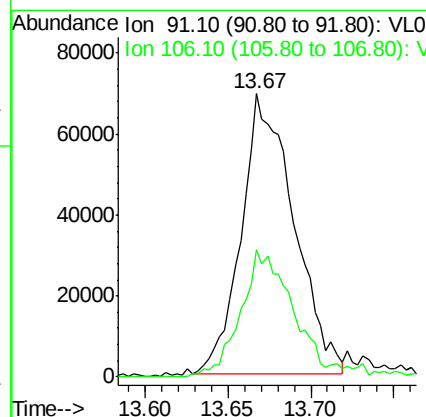
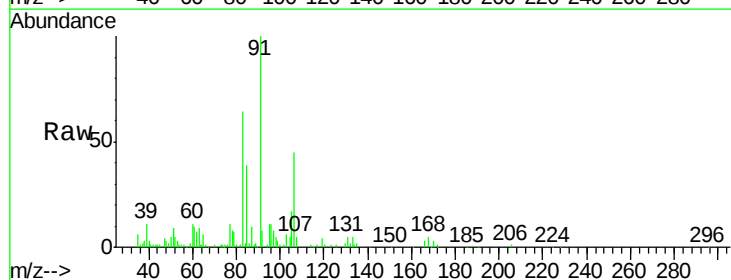
Manual Integrations
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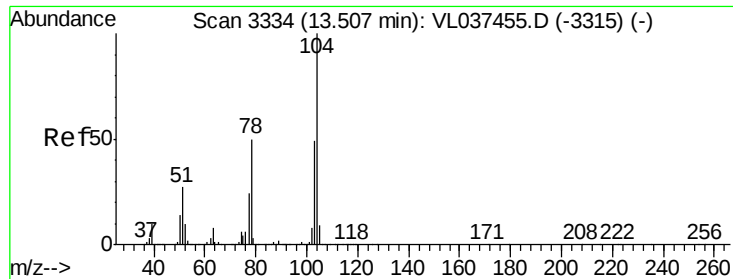
MMDadoda
8/19/2021 5:57:55 PM



#60
o-Xylene
Concen: 0.390 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL037490.D
Acq: 18 Aug 2021 14:13

Tgt Ion: 91 Resp: 152373
Ion Ratio Lower Upper
91 100
106 47.9 23.7 71.1





#61

Stvrene

Concen: 0.266 ppbv m

RT: 13.52 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

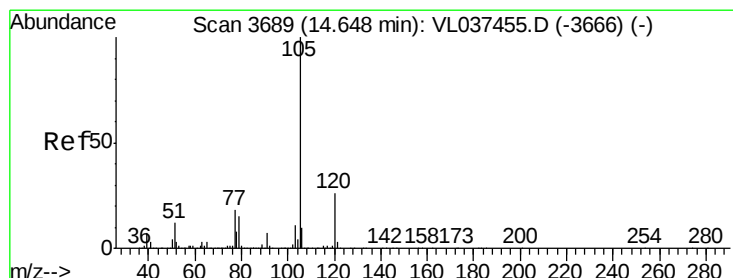
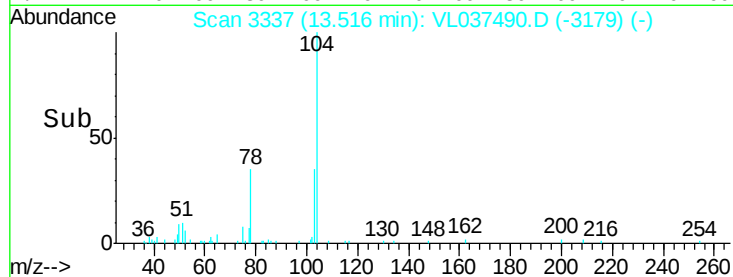
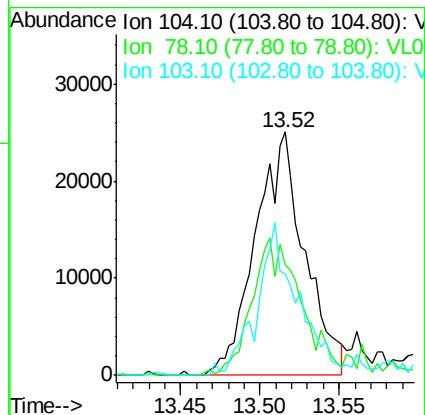
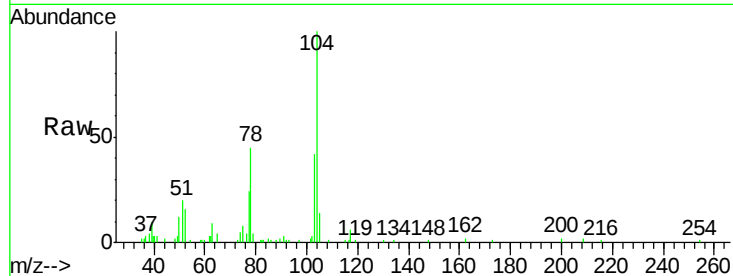
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
104	100	53869		
78	0.0	41.3	61.9#	
103	0.0	39.4	59.0#	

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#62

Isopropylbenzene

Concen: 0.410 ppbv m

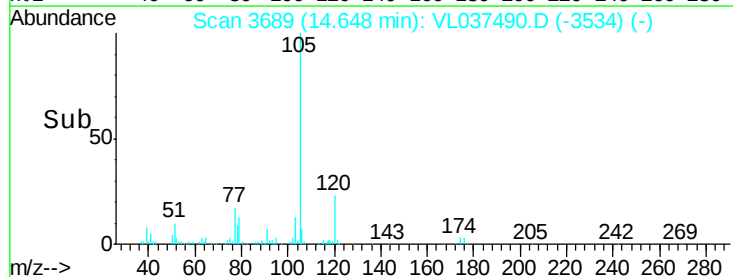
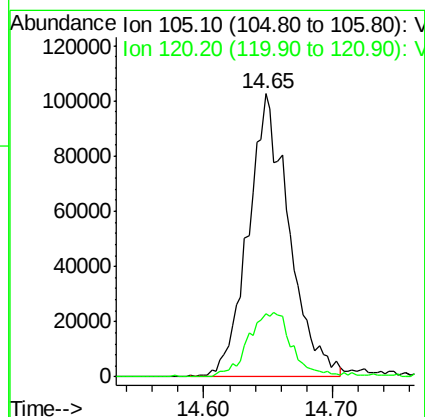
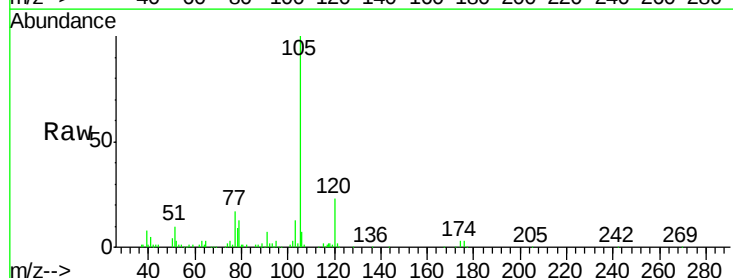
RT: 14.65 min Scan# 3689

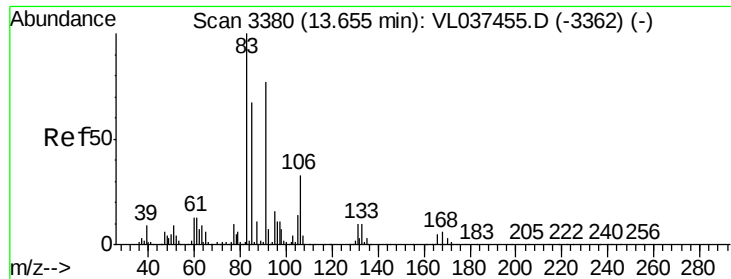
Delta R.T. -0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225935		
120	24.9	21.5	32.3	





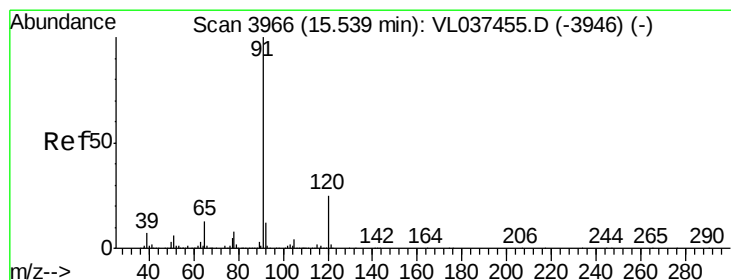
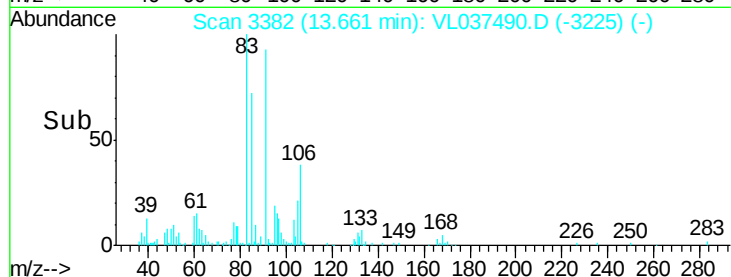
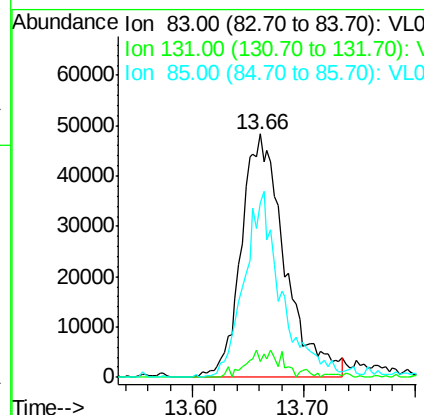
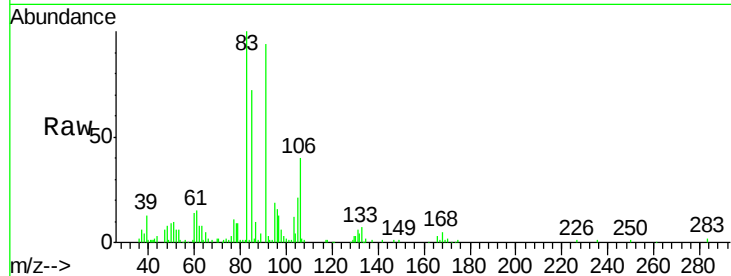
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.453 ppbv m
 RT: 13.66 min Scan# 3382
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.4	5.0	15.0
85	0.0	33.8	101.3#

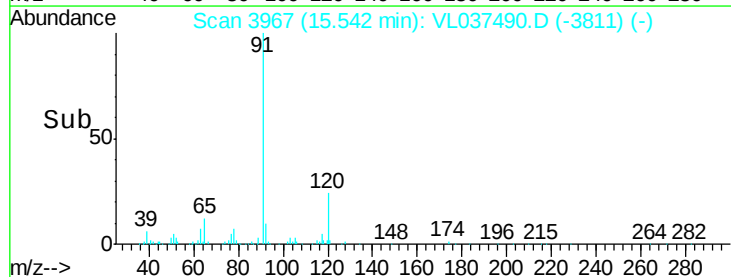
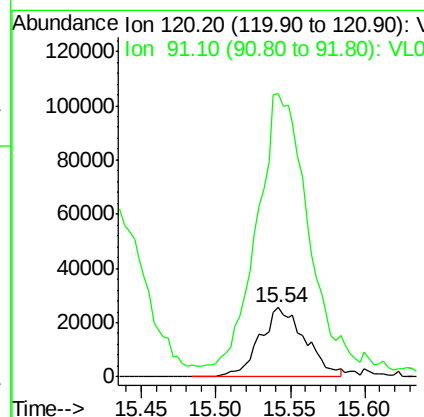
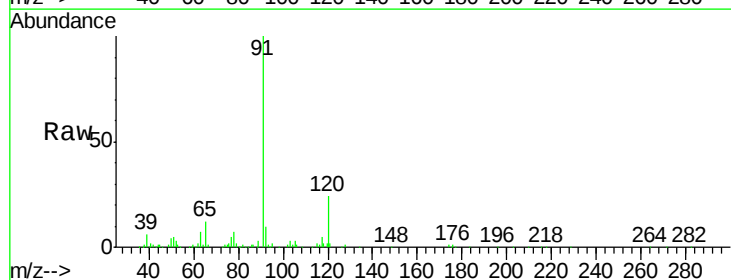
Manual Integrations
 APPROVED

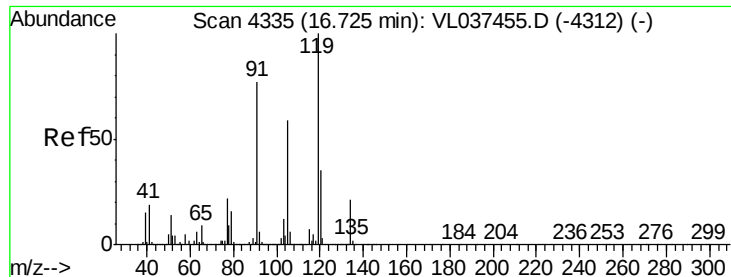
MMDadoda
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#64
 n-propylbenzene
 Concen: 0.384 ppbv m
 RT: 15.54 min Scan# 3967
 Delta R.T. 0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Lower	Upper
120	100		
91	0.0	373.8	560.6#





#65

tert-Butylbenzene

Concen: 0.404 ppbv m

RT: 16.73 min Scan# 4338

Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

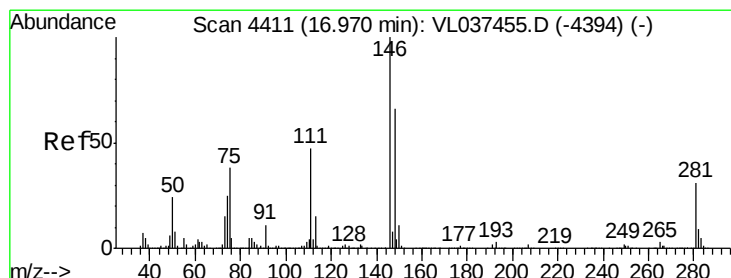
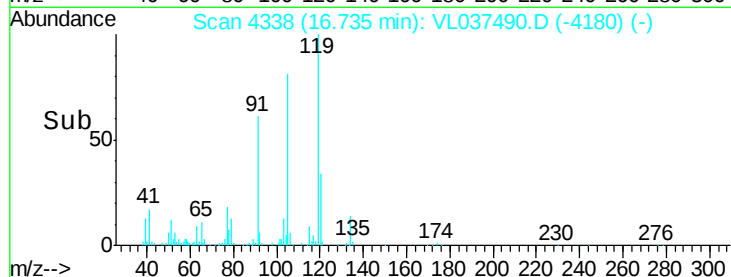
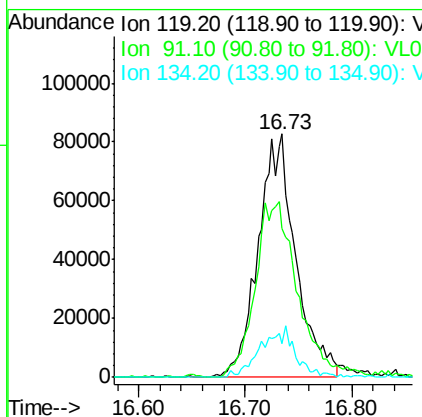
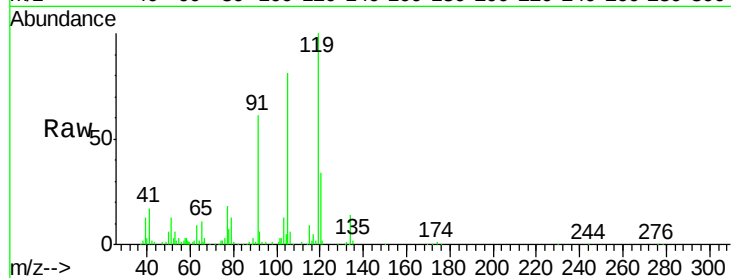
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	119	Resp:	202810
Ion Ratio	Lower	Upper	
119	100		
91	81.4	62.9	94.3
134	19.8	16.4	24.6

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.495 ppbv m

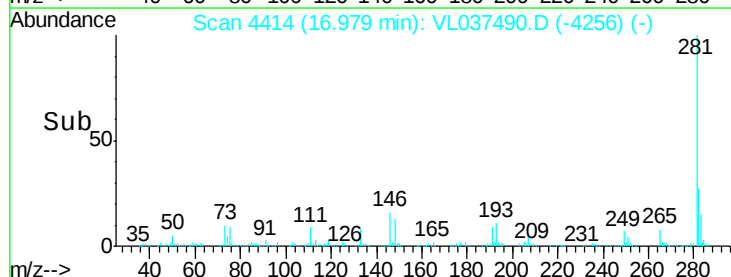
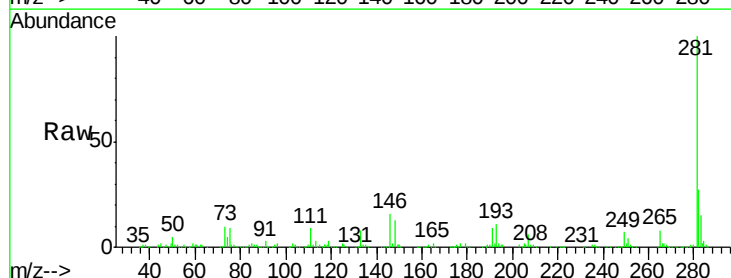
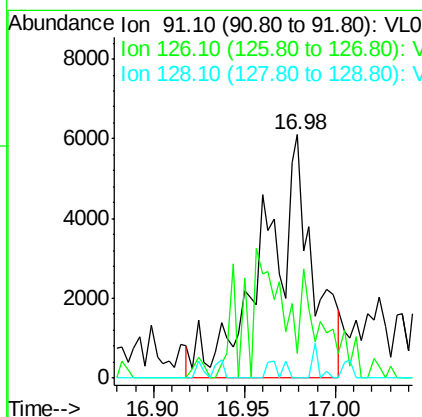
RT: 16.98 min Scan# 4414

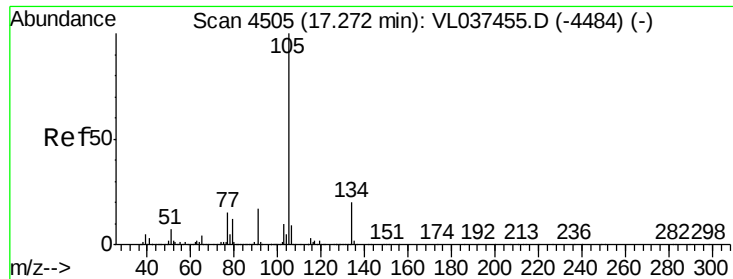
Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion:	91	Resp:	11247
Ion Ratio	Lower	Upper	
91	100		
126	0.0	15.9	23.9#
128	0.0	5.4	8.0#





#67

sec-Butylbenzene

Concen: 0.380 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.01 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 105 Resp: 266494

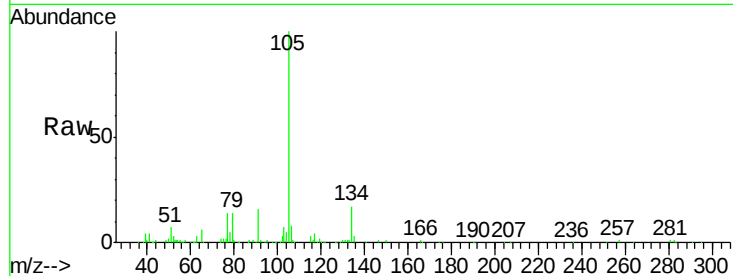
Ion Ratio Lower Upper

105 100

134 19.3 15.2 22.8

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.28

120000

100000

80000

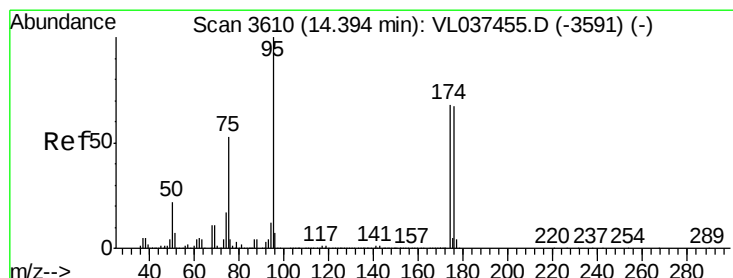
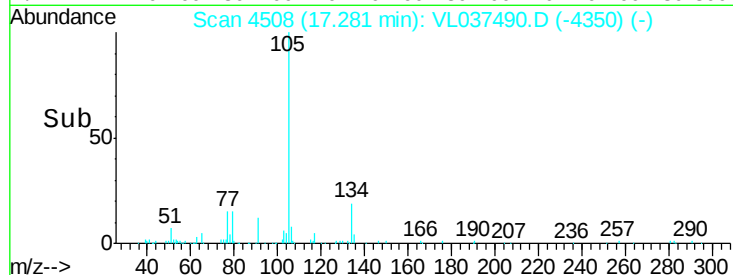
60000

40000

20000

0

Time--> 17.20 17.25 17.30



#68

1-Bromo-4-Fluorobenzene

Concen: 10.336 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

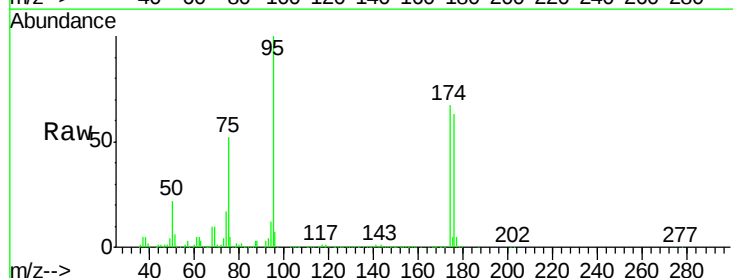
Tgt Ion: 95 Resp: 2554169

Ion Ratio Lower Upper

95 100

174 73.8 59.6 89.4

175 5.3 4.6 7.0



Abundance Ion 95.10 (94.80 to 95.80): VLO

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

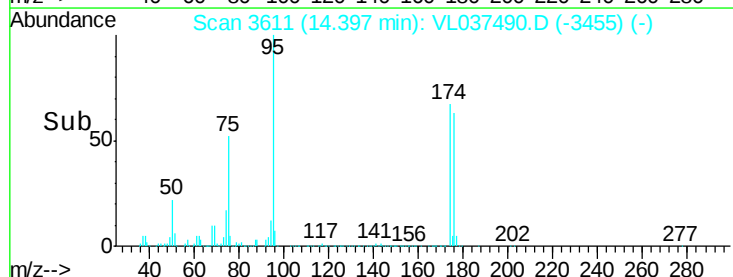
14.40

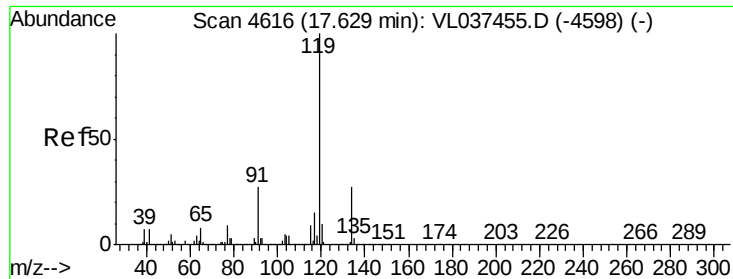
1000000

500000

0

Time--> 14.30 14.40





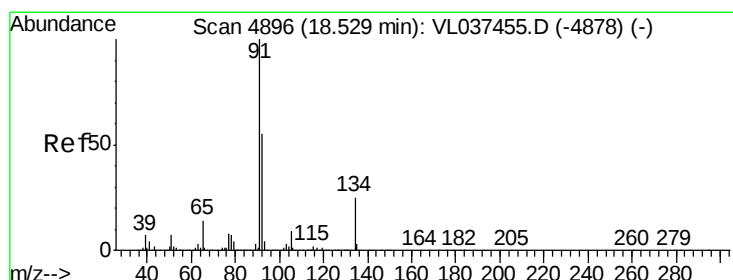
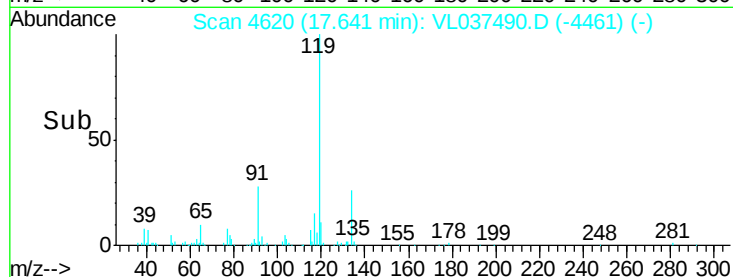
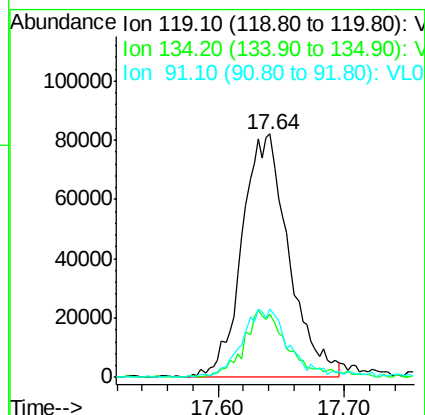
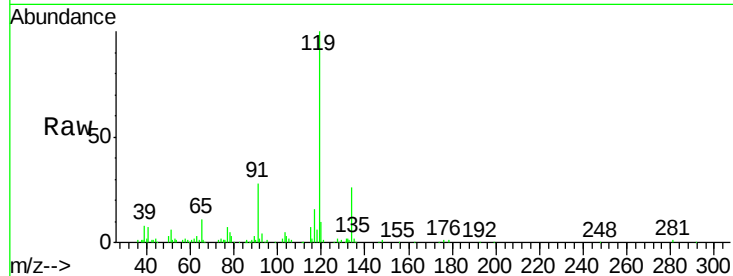
#69
 p-Isopropyltoluene
 Concen: 0.370 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	211609		
134	0.0	21.1	31.7#	
91	0.0	22.4	33.6#	

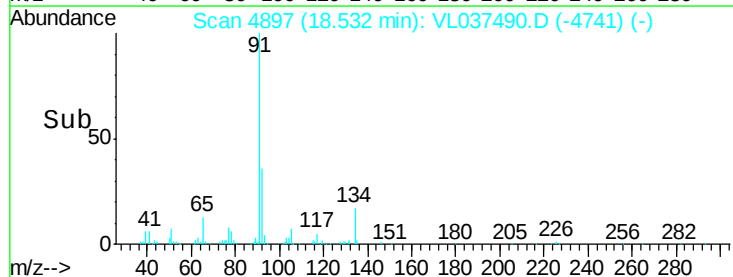
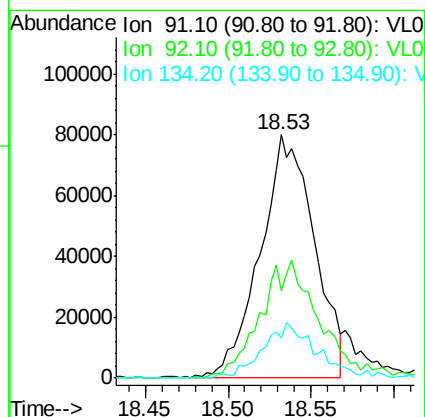
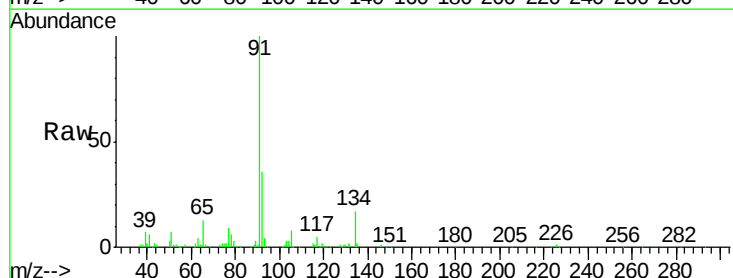
Manual Integrations
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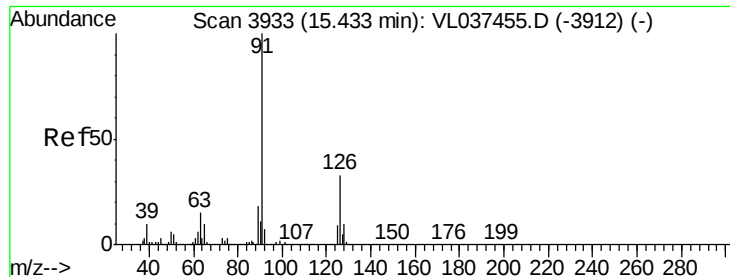
MMDadoda
 8/19/2021 5:57:55 PM



#70
 n-Butylbenzene
 Concen: 0.329 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	179631		
92	55.4	44.0	66.0	
134	23.1	19.5	29.3	





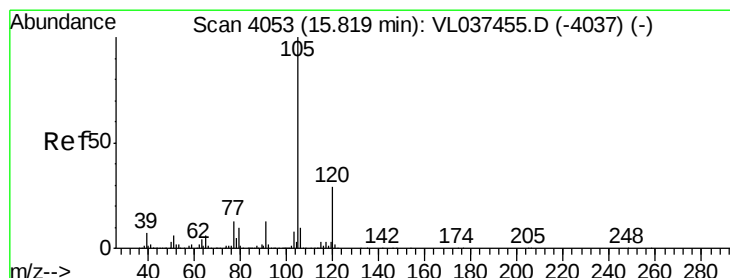
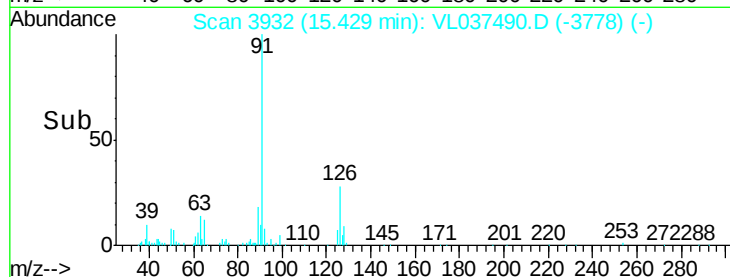
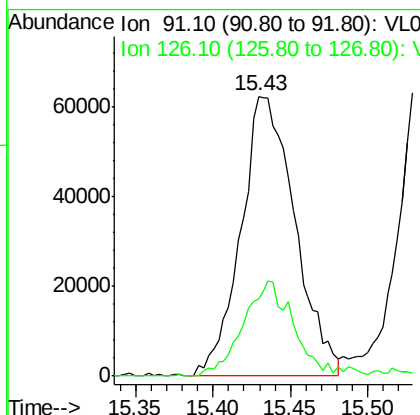
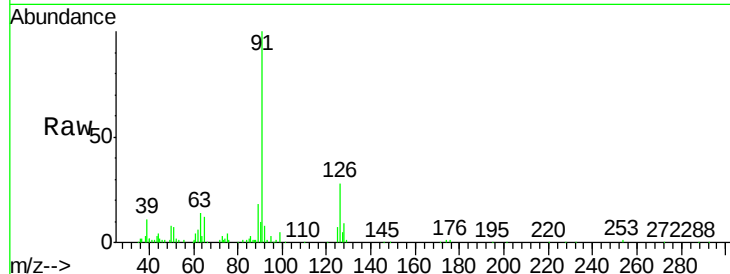
#71
 2-Chlorotoluene
 Concen: 0.375 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion: 91 Resp: 151649
 Ion Ratio Lower Upper
 91 100
 126 32.6 13.6 54.4

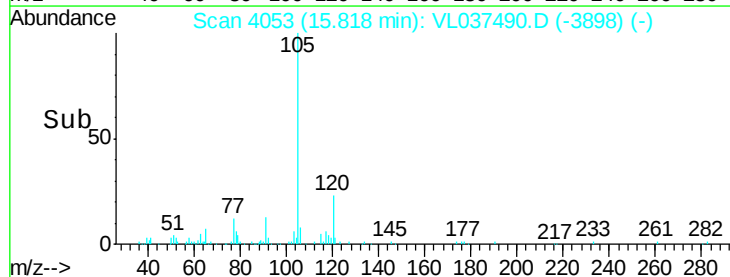
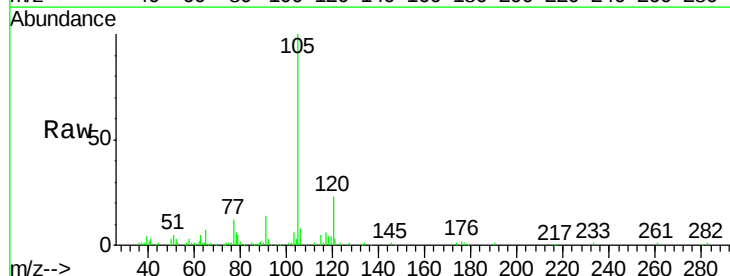
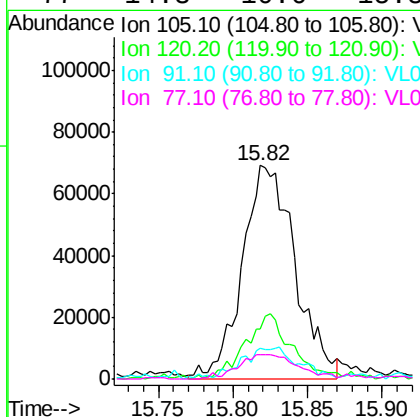
Manual Integrations
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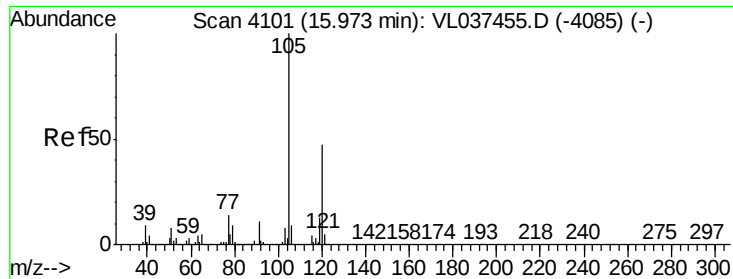
MMDadoda
 8/19/2021 5:57:55 PM



#72
 4-Ethyltoluene
 Concen: 0.366 ppbv m
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion: 105 Resp: 169972
 Ion Ratio Lower Upper
 105 100
 120 27.8 24.7 37.1
 91 12.9 9.8 14.8
 77 14.3 10.6 15.8





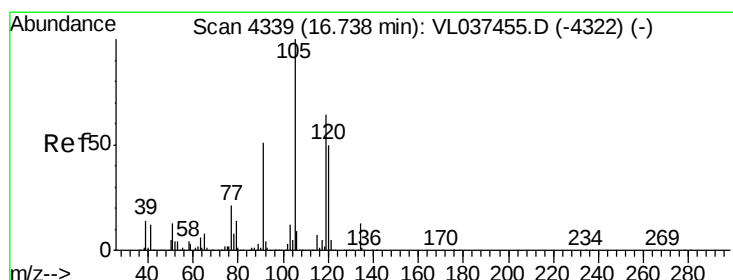
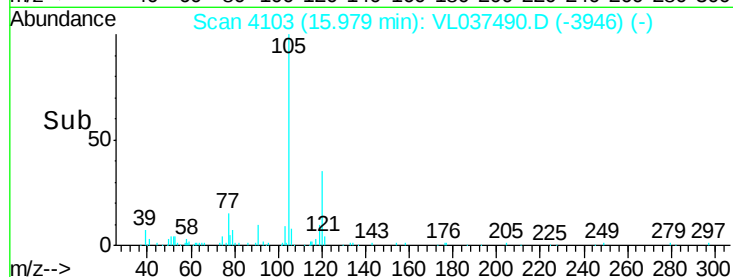
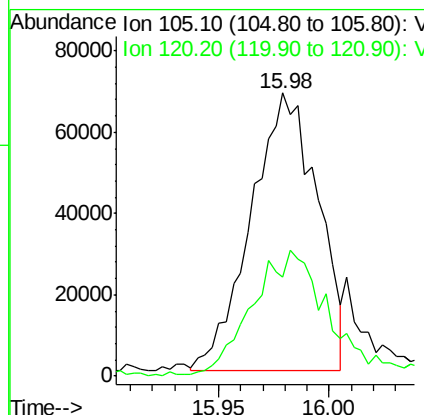
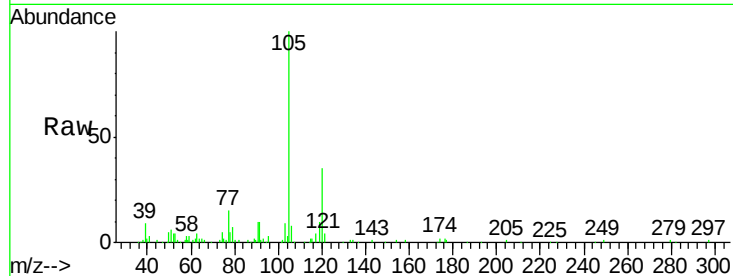
#73
 1,3,5-Trimethylbenzene
 Concen: 0.330 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	35.2	37.6	56.4#

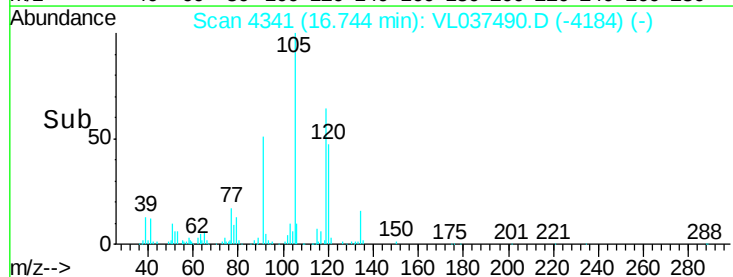
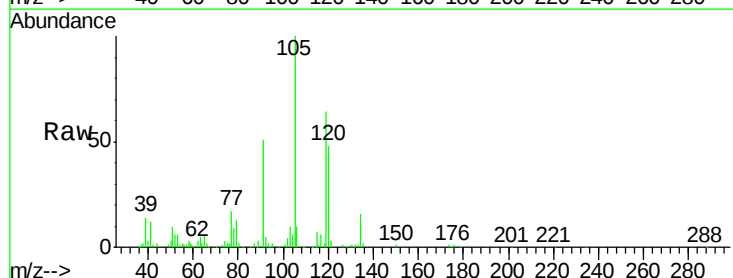
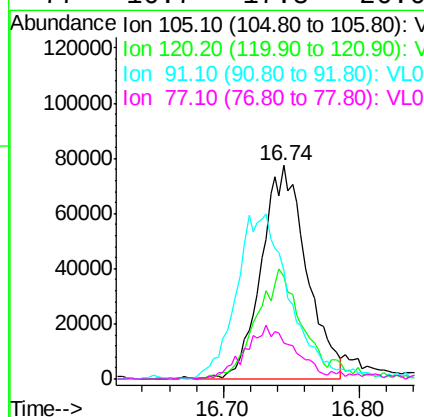
Manual Integrations
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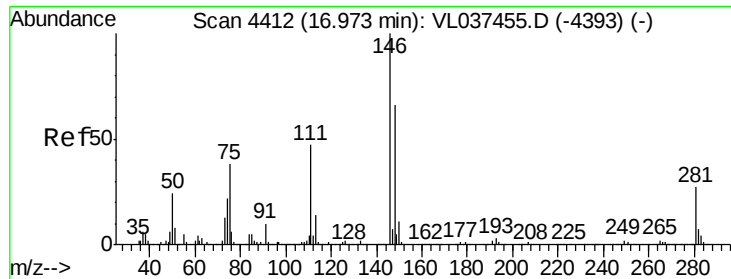
MMDadoda
 8/19/2021 5:57:55 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.389 ppbv m
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	40.4	60.6
91	51.2	44.6	67.0
77	16.7	17.8	26.6#





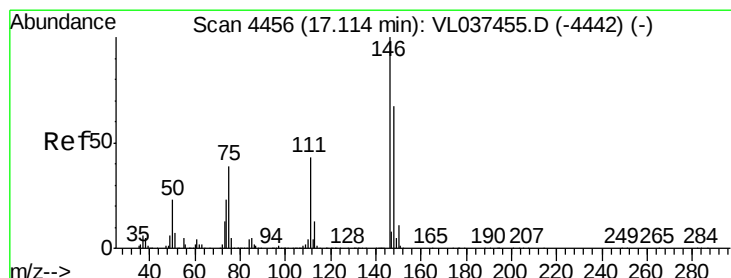
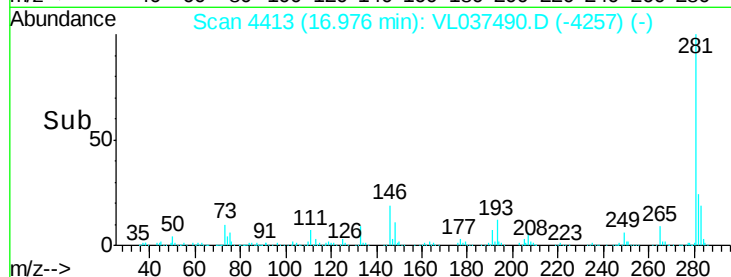
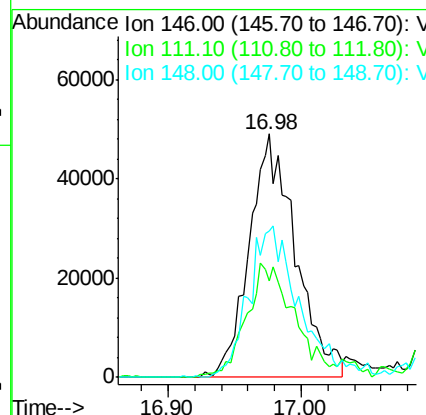
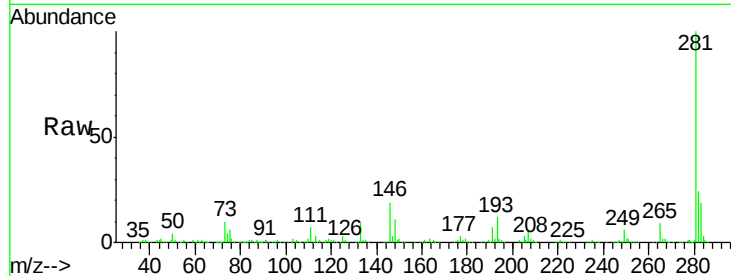
#75
 1,3-Dichlorobenzene
 Concen: 0.427 ppbv m
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.9	23.4	70.0
148	68.4	33.1	99.5

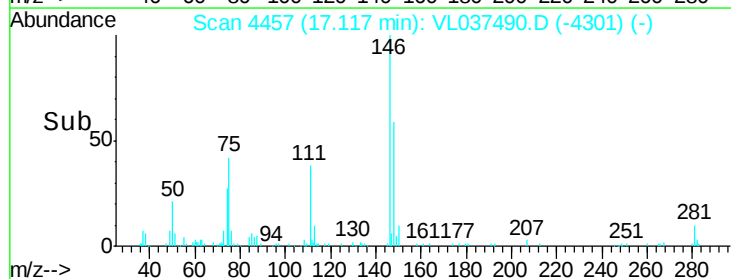
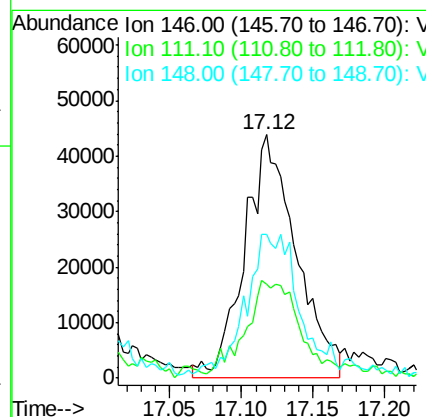
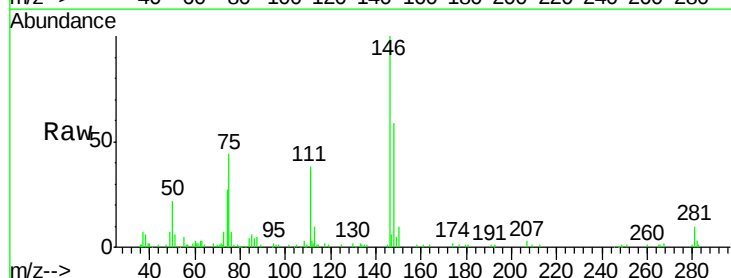
Manual Integrations
 APPROVED

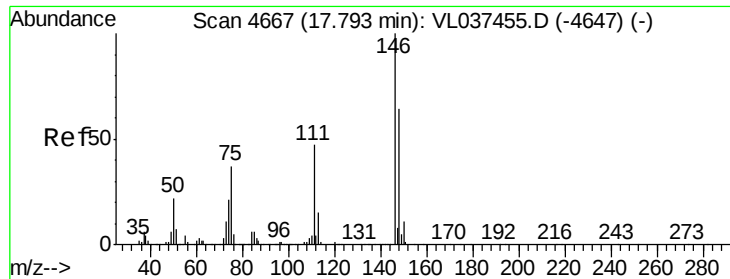
MMDadoda
 8/19/2021 5:57:55 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.396 ppbv m
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.1	66.5
148	68.2	32.4	97.0





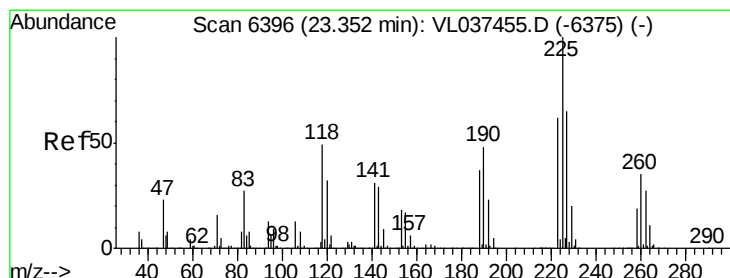
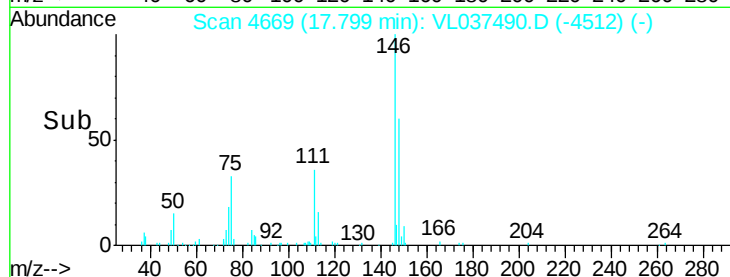
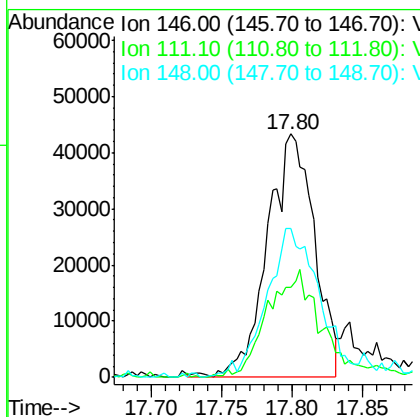
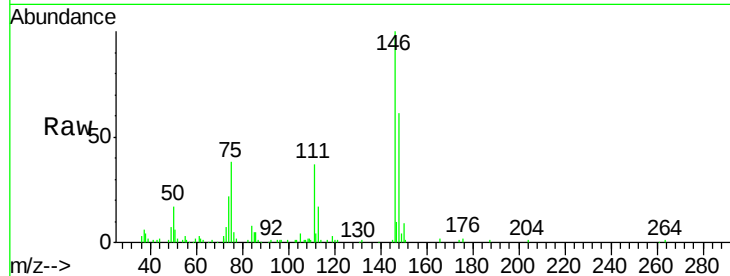
#77
 1,2-Dichlorobenzene
 Concen: 0.369 ppbv m
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.1	23.4	70.3
148	73.6	32.5	97.5

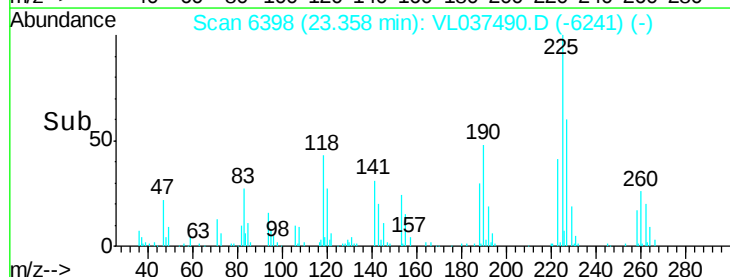
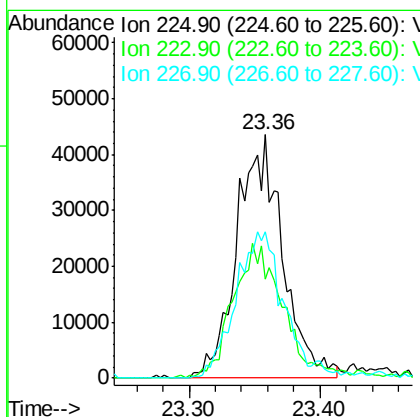
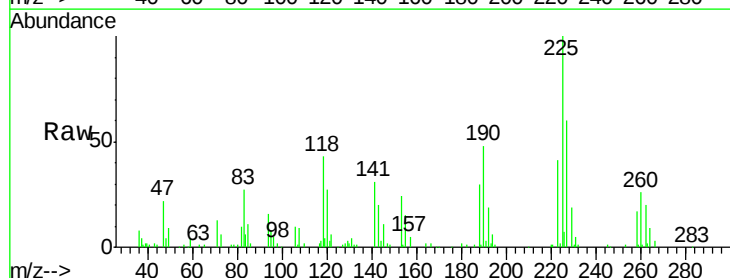
Manual Integrations
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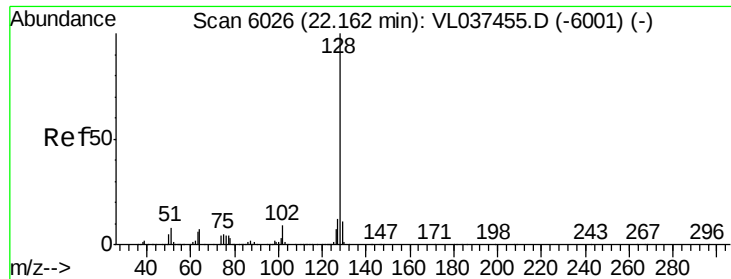
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 8/19/2021 5:57:55 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.463 ppbv m
 RT: 23.36 min Scan# 6398
 Delta R.T. 0.01 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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





#79

Naphthalene

Concen: 0.233 ppbv m

RT: 22.18 min Scan# 6033

Delta R.T. 0.02 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Instrument :

MSVOA_L

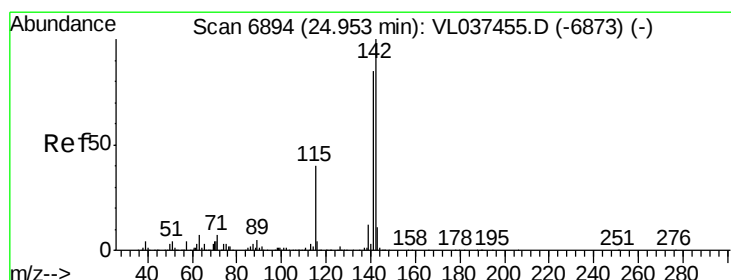
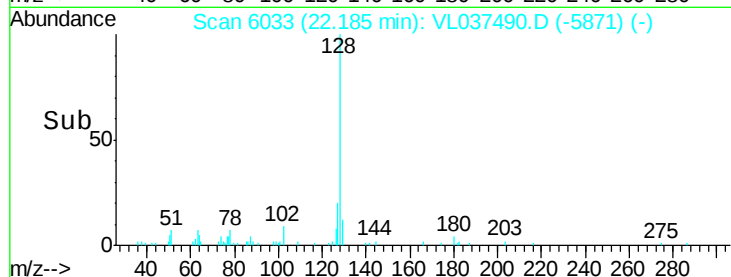
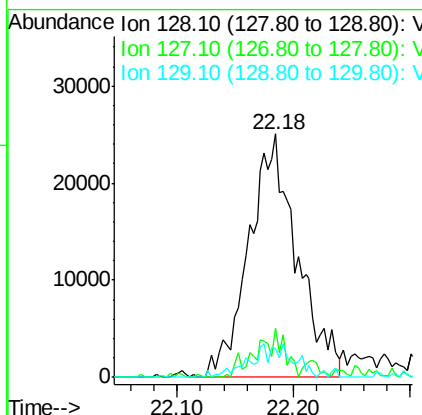
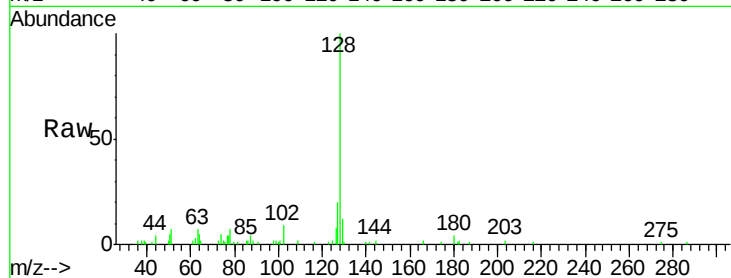
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	128	Resp:	71794
Ion Ratio	Lower	Upper	
128	100		
127	20.4	9.4	14.2#
129	11.7	8.8	13.2

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#80

Naphthalene, 2-methyl-

Concen: 0.149 ppbv m

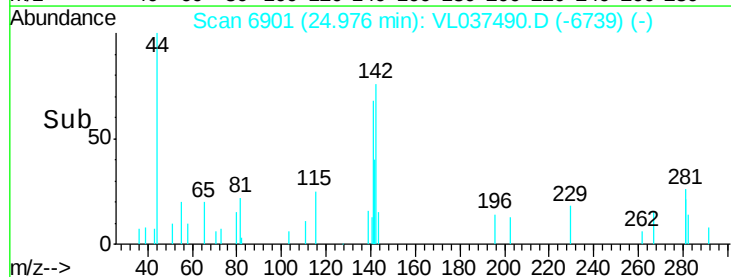
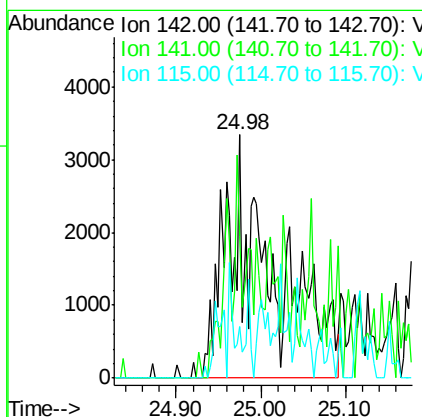
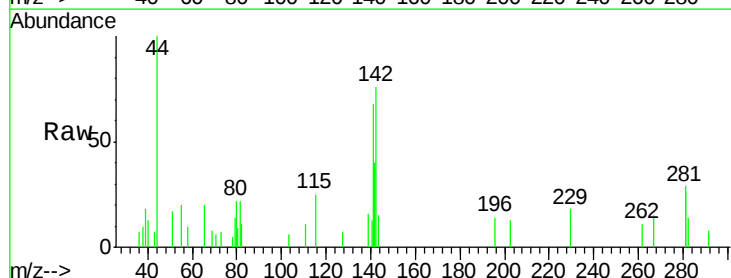
RT: 24.98 min Scan# 6901

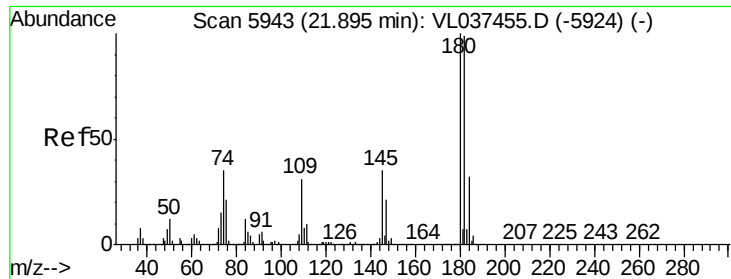
Delta R.T. 0.02 min

Lab File: VL037490.D

Acq: 18 Aug 2021 14:13

Tgt Ion:	142	Resp:	12742
Ion Ratio	Lower	Upper	
142	100		
141	26.1	64.7	97.1#
115	6.2	28.4	42.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.315 ppbv m
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.02 min
 Lab File: VL037490.D
 Acq: 18 Aug 2021 14:13

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	79.6	119.4
184	0.0	25.4	38.2

Manual Integrations
 APPROVED

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