

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037489.D
 Acq On : 18 Aug 2021 13:35
 Operator : SY/AP
 Sample : M2940-15 0.1 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:57:52 PM

Quant Time: Aug 19 02:13:14 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	5.65	49	1319802	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4002000	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3395104	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2397204	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	33712m	0.159	ppbv	
3) Chlorodifluoromethane	2.99	51	32583	0.129	ppbv	93
4) Chloromethane	3.14	50	14300m	0.158	ppbv	
5) Vinyl Chloride	3.25	62	10030	0.108	ppbv #	87
6) Bromomethane	3.47	94	6952m	0.137	ppbv	
7) Chloroethane	3.55	64	5018m	0.159	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	27155	0.124	ppbv	98
9) Propene	3.01	41	19023m	0.210	ppbv	
10) Heptane	8.10	43	19189m	0.092	ppbv	
11) Trichlorofluoromethane	3.94	101	28447m	0.143	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.48	101	22293m	0.153	ppbv	
13) Ethanol	3.63	45	3239m	0.368	ppbv	
14) Bromoethene	3.74	108	7146	0.108	ppbv #	61
15) Acetone	3.88	43	39612m	0.295	ppbv	
16) 1,3-Butadiene	3.32	39	12527m	0.145	ppbv	
17) tert-Butyl alcohol	4.34	59	17151m	0.140	ppbv	
18) 1,1-Dichloroethene	4.28	96	8348m	0.126	ppbv	
19) Isopropyl Alcohol	4.00	45	12440m	0.162	ppbv	
20) Methylene Chloride	4.34	84	15723m	0.234	ppbv	
21) Allyl Chloride	4.40	41	13606m	0.125	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	8237m	0.125	ppbv	
23) Vinyl Acetate	5.09	43	23779m	0.120	ppbv	
24) 1,1-Dichloroethane	5.01	63	18734m	0.130	ppbv	
25) Ethyl Acetate	5.68	43	38234m	0.112	ppbv	
26) Hexane	5.68	57	20566m	0.123	ppbv	
27) Carbon Disulfide	4.54	76	15324m	0.103	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	16847m	0.105	ppbv	
29) Chloroform	5.74	83	28994	0.123	ppbv	99
30) Cyclohexane	7.13	84	24849m	0.179	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	16641m	0.110	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	26591m	0.115	ppbv	
34) 2-Butanone	5.27	43	30714m	0.188	ppbv	
35) Carbon Tetrachloride	7.01	117	26278m	0.111	ppbv	
36) Benzene	6.88	78	34655m	0.103	ppbv	
37) 1,2-Dichloroethane	6.30	62	18247m	0.109	ppbv	
38) Trichloroethene	7.82	130	14904m	0.108	ppbv	
39) 1,2-Dichloropropane	7.61	63	19425m	0.150	ppbv	
40) 1,4-Dioxane	7.88	88	6286m	0.198	ppbv	
41) Tetrahydrofuran	6.09	42	7871m	0.100	ppbv	
42) Bromodichloromethane	7.78	83	24348m	0.100	ppbv	
43) Methyl Methacrylate	8.02	69	9234m	0.079	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	57449m	0.101	ppbv	
45) t-1,3-Dichloropropene	9.26	75	6642m	0.075	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	9819m	0.080	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	16258m	0.116	ppbv	
48) Dibromochloromethane	10.28	129	16235m	0.081	ppbv	
49) Bromoform	13.02	173	11858m	0.075	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	21662m	0.102	ppbv	
51) 2-Hexanone	10.16	43	9809m	0.100	ppbv	
52) Tetrachloroethene	11.22	164	16155m	0.117	ppbv	
53) Toluene	9.78	91	33253m	0.087	ppbv	
54) 1,2-Dibromoethane	10.60	107	23281m	0.119	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	16406m	0.116	ppbv	
57) Chlorobenzene	12.13	112	34224m	0.121	ppbv	
58) Ethyl Benzene	12.69	91	39452m	0.084	ppbv	
59) m/p-Xylene	12.99	91	68926m	0.169	ppbv	
60) o-Xylene	13.67	91	38880m	0.102	ppbv	
61) Styrene	13.52	104	12697m	0.064	ppbv	
62) Isopropylbenzene	14.65	105	59289m	0.110	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	34596m	0.122	ppbv	
64) n-propylbenzene	15.55	120	12992m	0.095	ppbv	
65) tert-Butylbenzene	16.73	119	44483m	0.091	ppbv	
66) Benzyl Chloride	16.98	91	5287m	0.239	ppbv	
67) sec-Butylbenzene	17.28	105	67917m	0.099	ppbv	
69) p-Isopropyltoluene	17.64	119	42406m	0.076	ppbv	
70) n-Butylbenzene	18.53	91	41676m	0.078	ppbv	
71) 2-Chlorotoluene	15.43	91	34753m	0.088	ppbv	
72) 4-Ethyltoluene	15.82	105	36413m	0.080	ppbv	
73) 1,3,5-Trimethylbenzene	15.97	105	36016m	0.085	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	35604m	0.079	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	31784m	0.118	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	31334m	0.115	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	28635m	0.108	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	27547m	0.125	ppbv	
79) Naphthalene	22.19	128	15700m	0.052	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	3752m	0.045	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	15160m	0.080	ppbv	

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

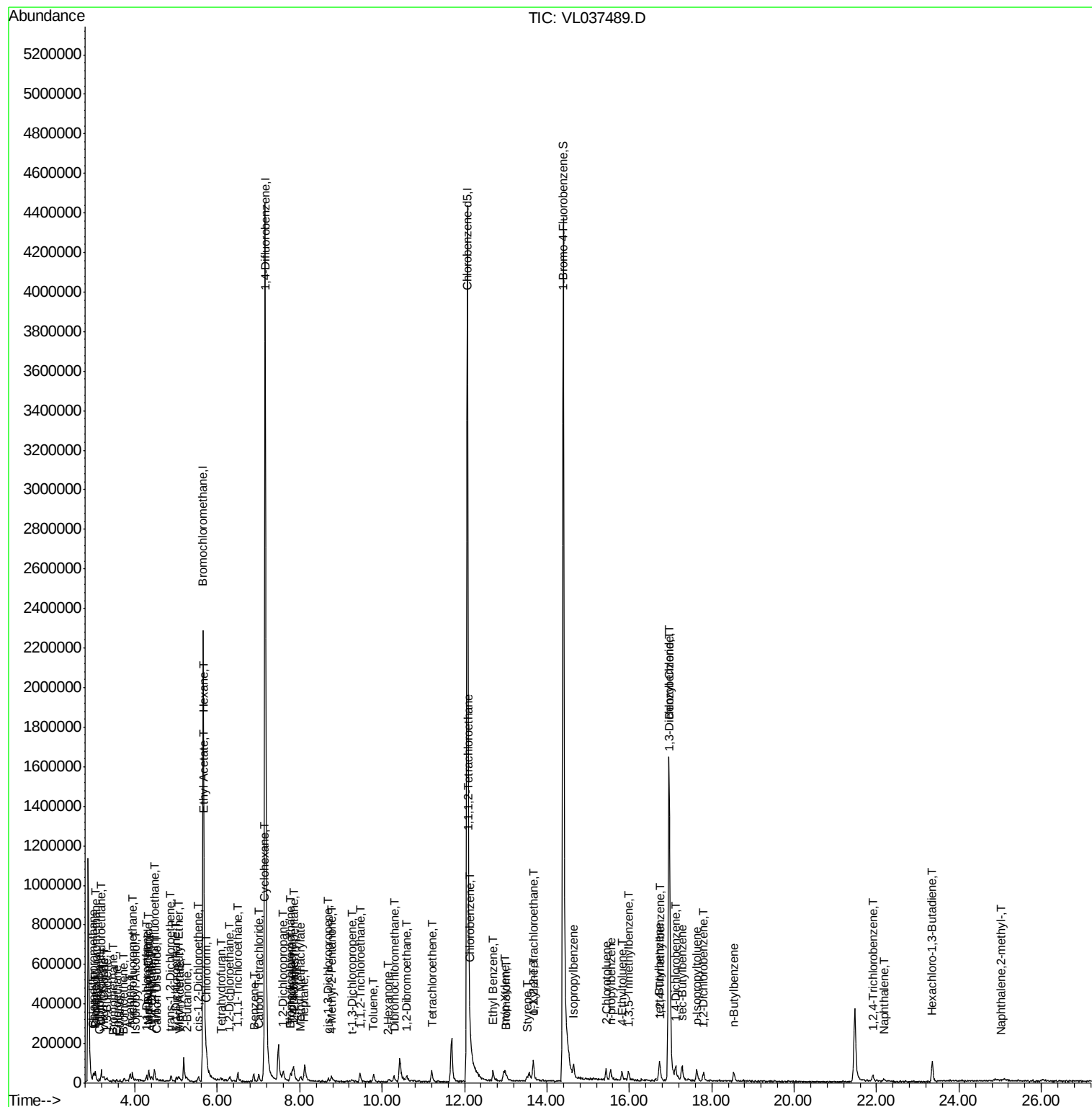
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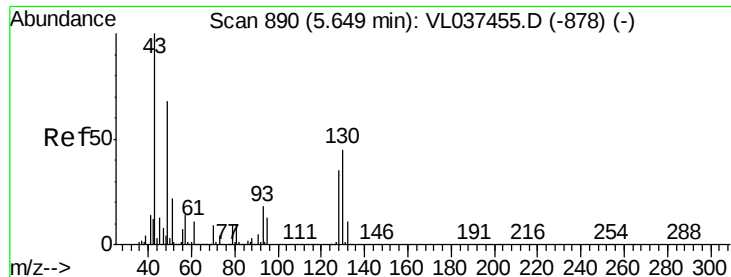
Instrument :
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QLast Update : Tue Aug 17 02:13:47 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 49 Resp: 1319802

Ion Ratio Lower Upper

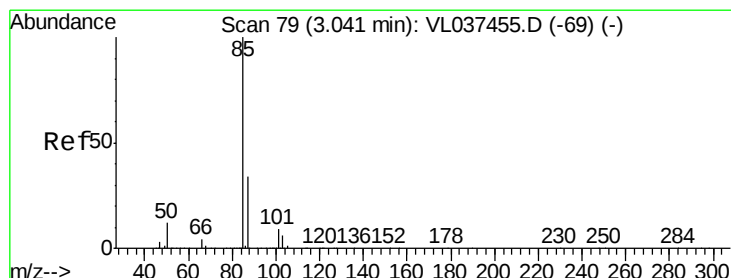
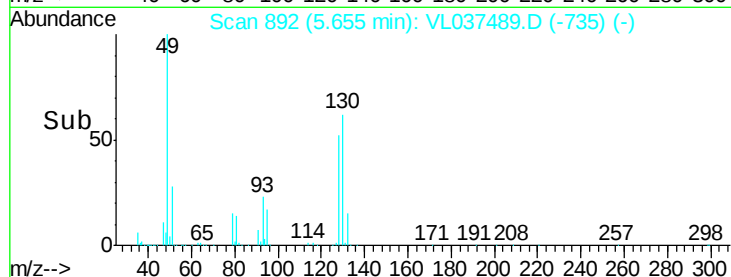
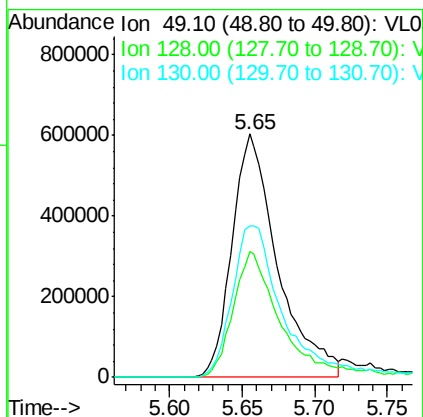
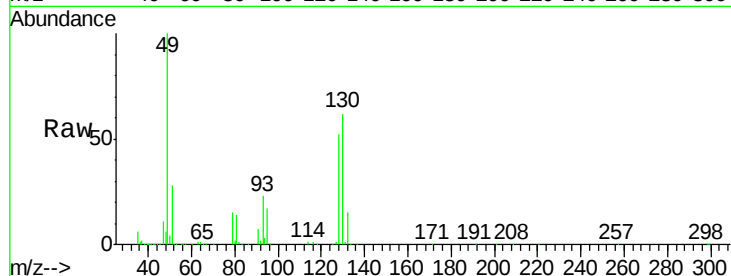
49 100

128 56.0 27.5 82.4

130 72.1 34.0 101.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.159 ppbv m

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL037489.D

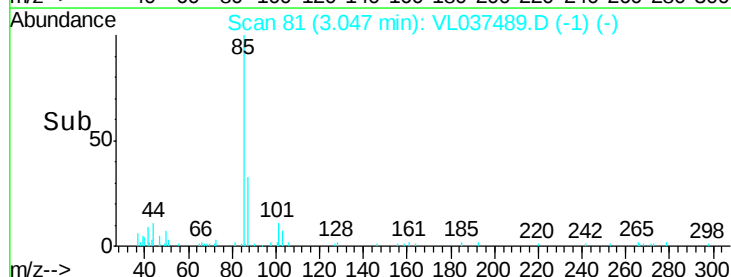
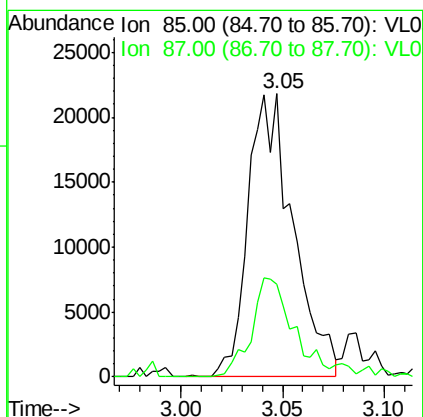
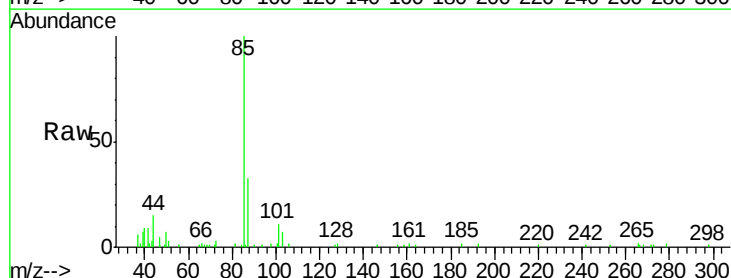
Acq: 18 Aug 2021 13:35

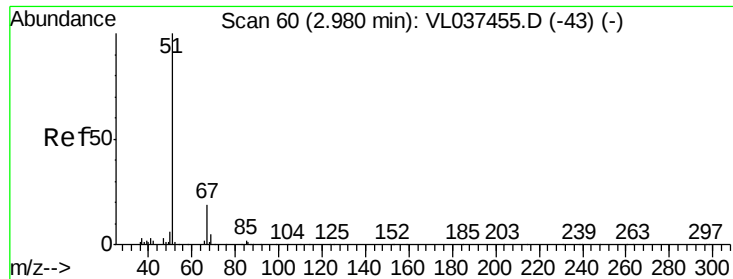
Tgt Ion: 85 Resp: 33712

Ion Ratio Lower Upper

85 100

87 32.8 27.6 41.4





#3

Chlorodifluoromethane

Concen: 0.129 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 51 Resp: 32583

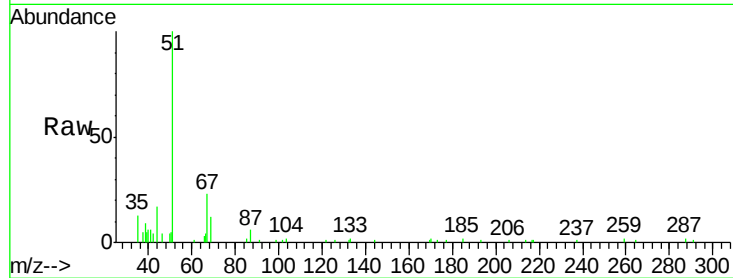
Ion Ratio Lower Upper

51 100

67 20.8 14.2 21.2

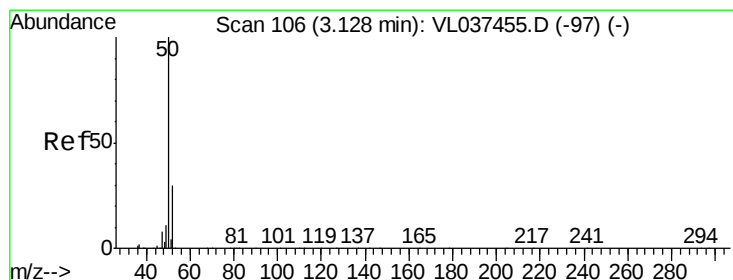
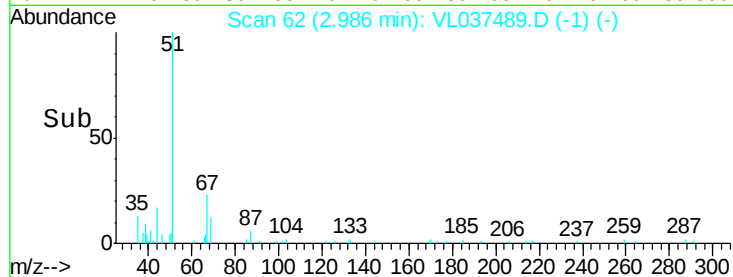
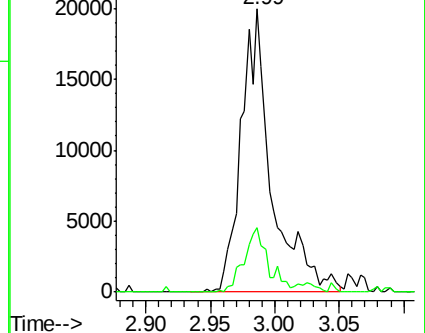
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.158 ppbv m

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL037489.D

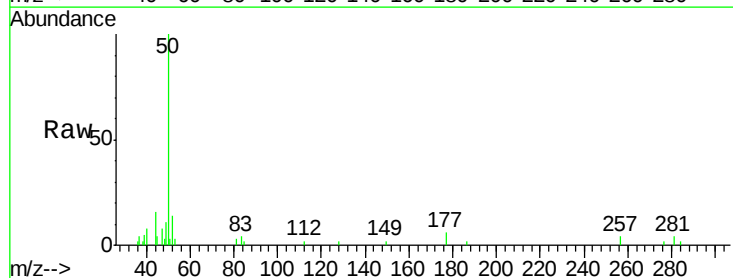
Acq: 18 Aug 2021 13:35

Tgt Ion: 50 Resp: 14300

Ion Ratio Lower Upper

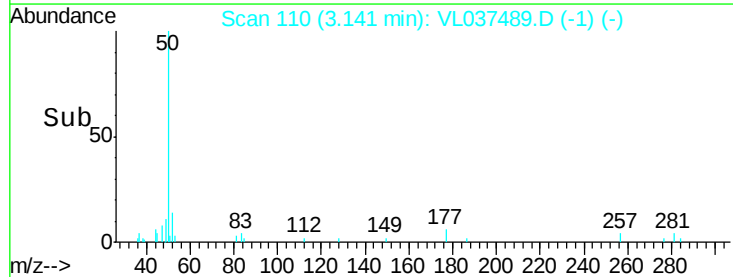
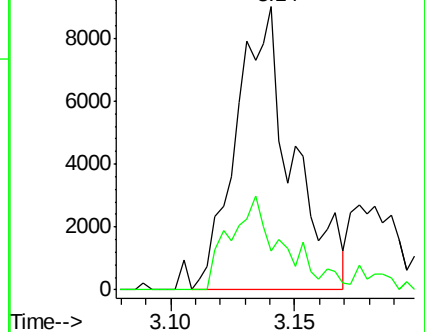
50 100

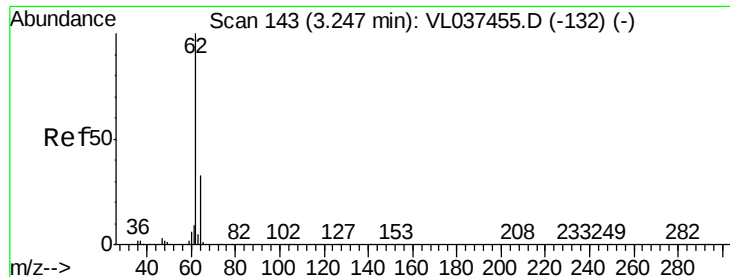
52 13.8 24.0 36.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.108 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 62 Resp: 10030

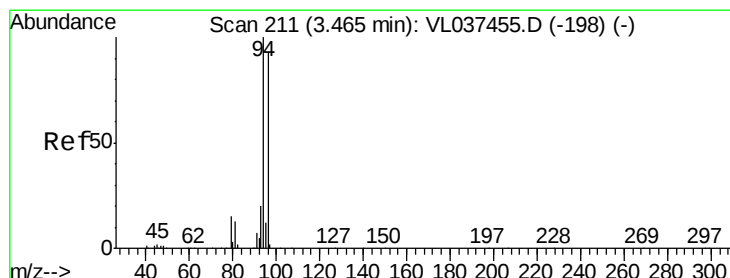
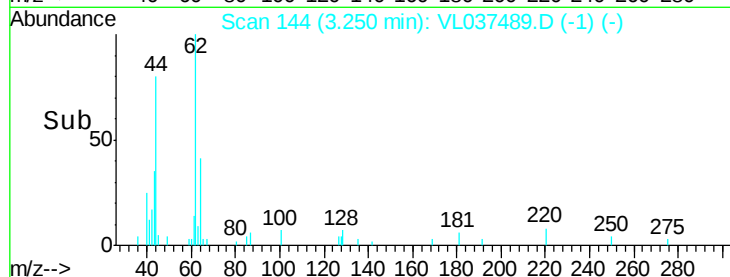
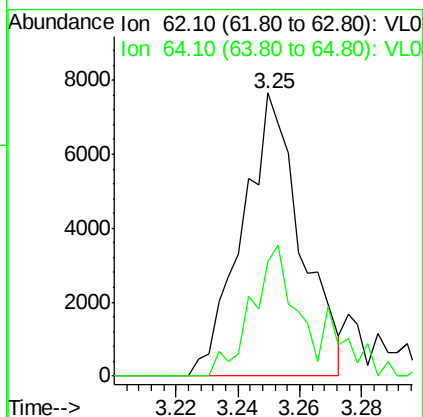
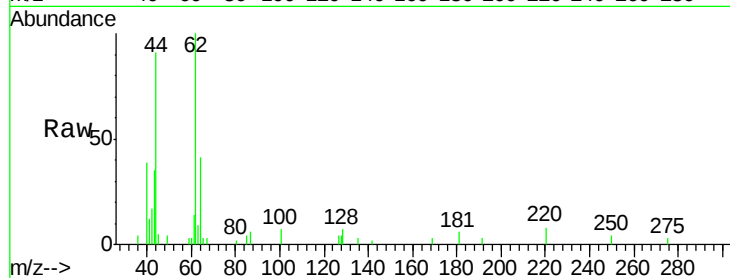
Ion Ratio Lower Upper

62 100

64 40.5 26.5 39.7#

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#6

Bromomethane

Concen: 0.137 ppbv m

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037489.D

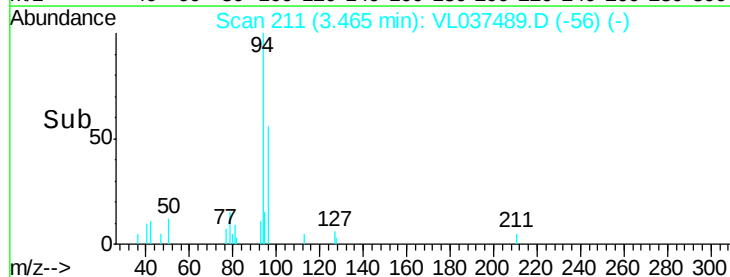
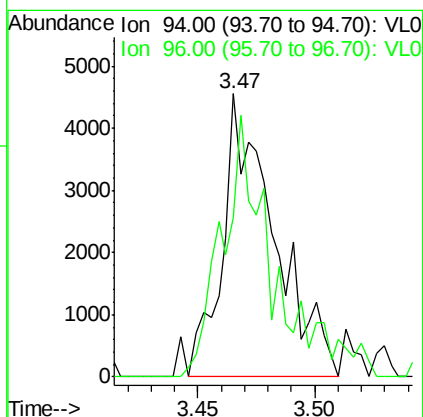
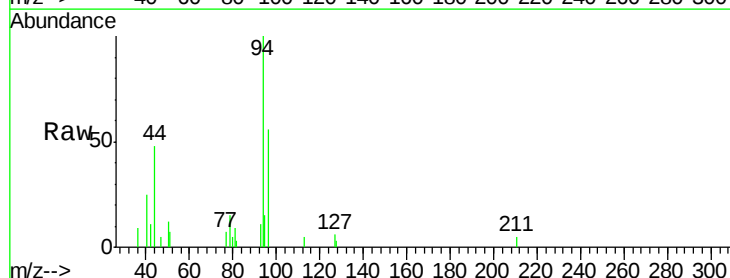
Acq: 18 Aug 2021 13:35

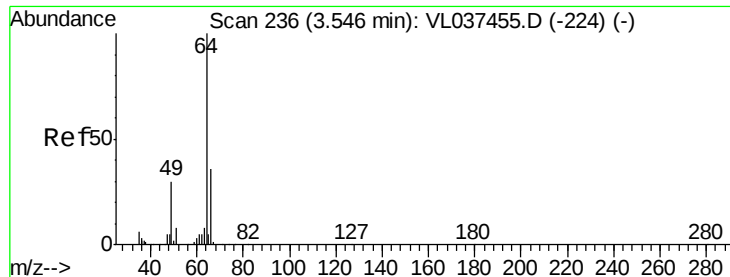
Tgt Ion: 94 Resp: 6952

Ion Ratio Lower Upper

94 100

96 56.1 74.5 111.7#





#7

Chloroethane

Concen: 0.159 ppbv m

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

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Tot Ion: 64 Resp: 5018

Ion Ratio Lower Upper

64 100

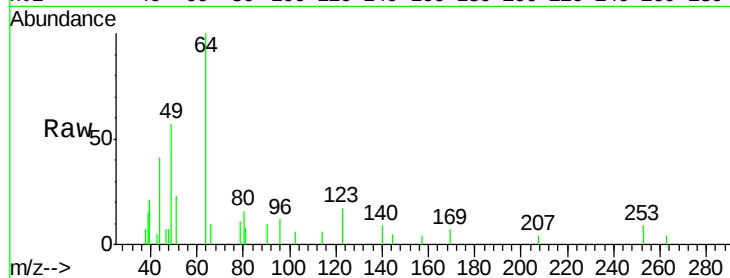
66 9.6 28.6 43.0#

Manual Integrations

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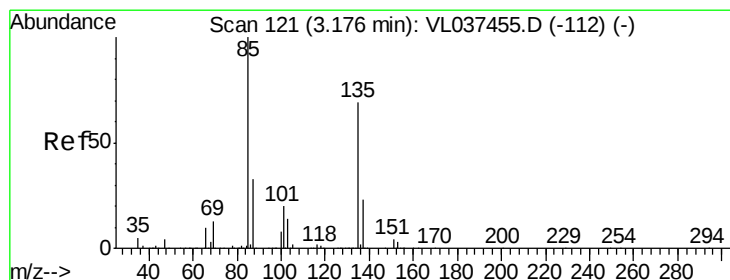
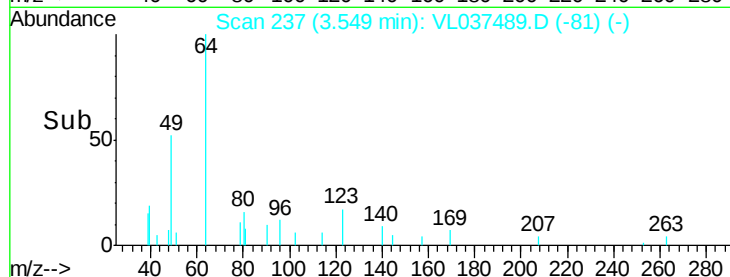
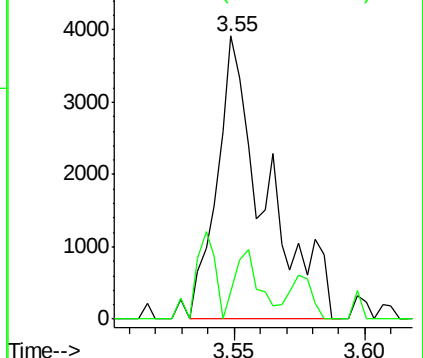
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.124 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.01 min

Lab File: VL037489.D

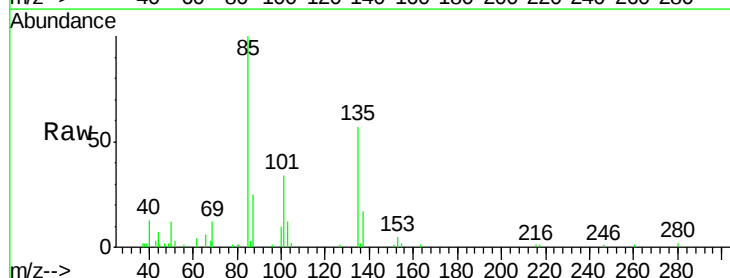
Acq: 18 Aug 2021 13:35

Tgt Ion: 85 Resp: 27155

Ion Ratio Lower Upper

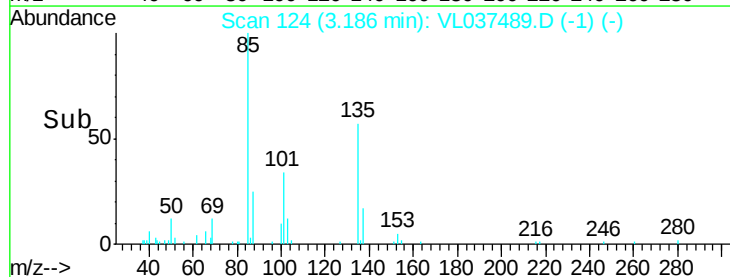
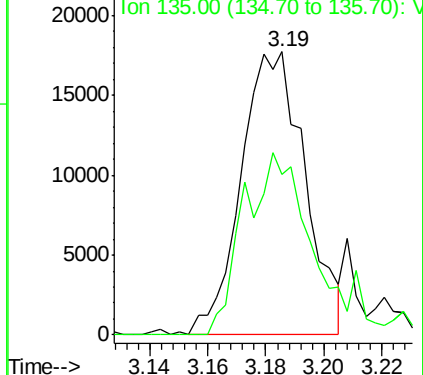
85 100

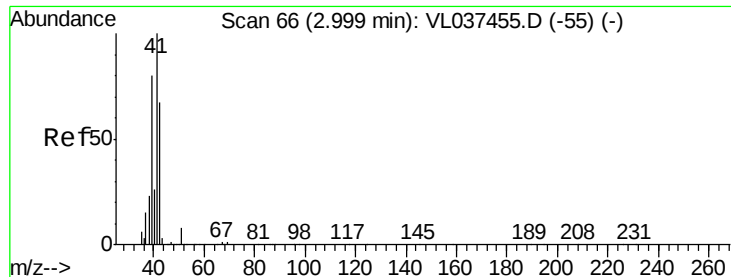
135 72.2 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.210 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

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MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 19023

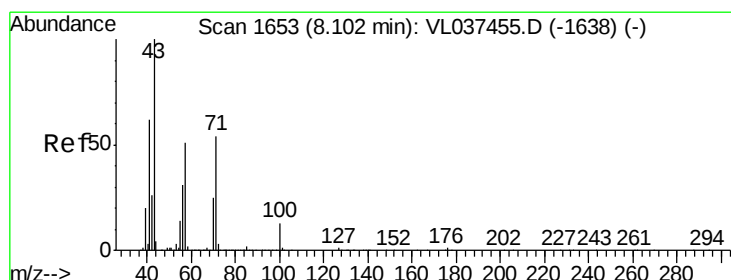
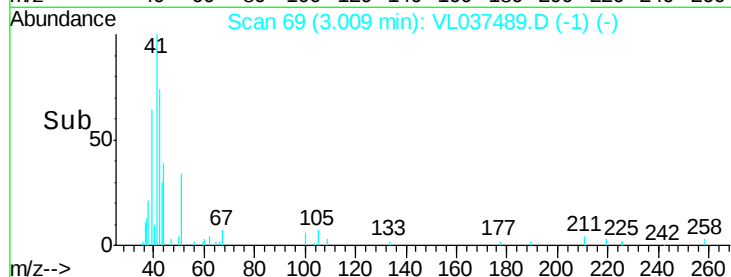
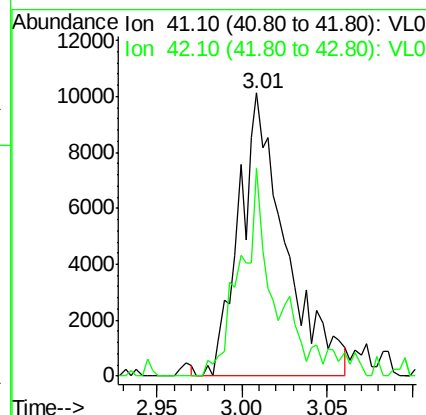
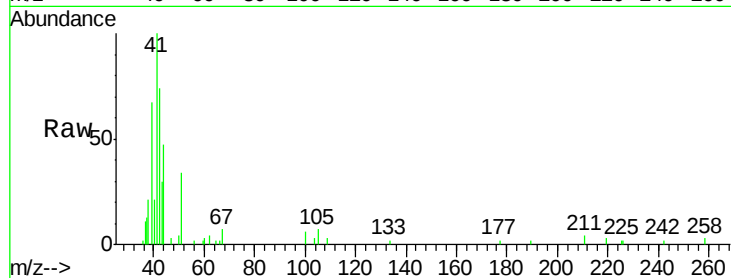
Ion Ratio Lower Upper

41 100

42 0.0 53.7 80.5#

Manual Integrations
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#10

Heptane

Concen: 0.092 ppbv m

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037489.D

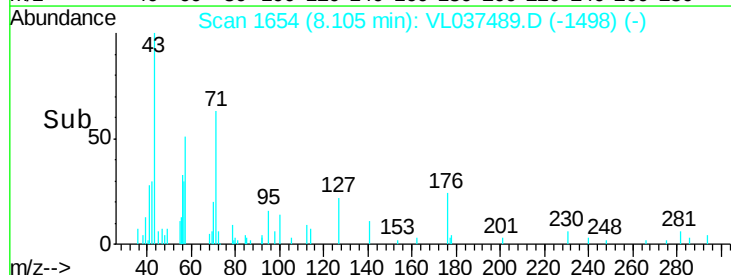
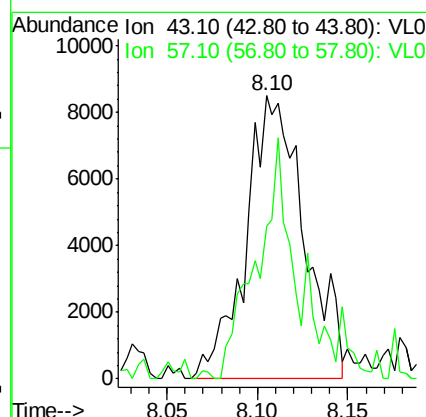
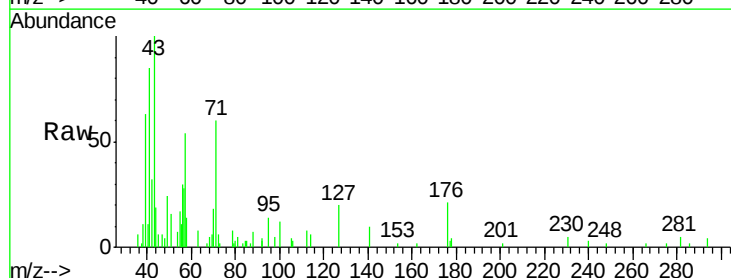
Acq: 18 Aug 2021 13:35

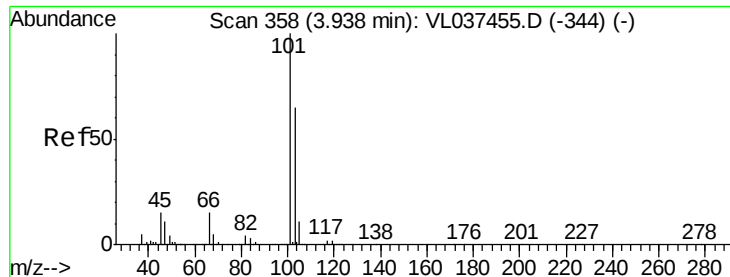
Tgt Ion: 43 Resp: 19189

Ion Ratio Lower Upper

43 100

57 63.1 41.0 61.6#





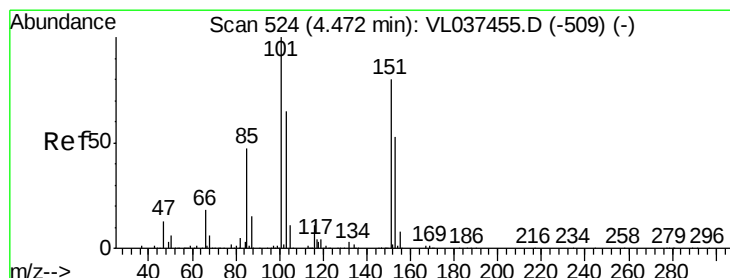
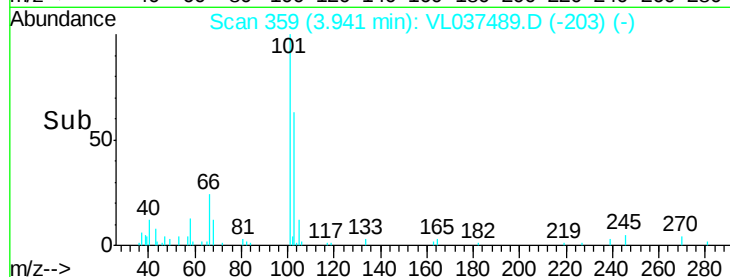
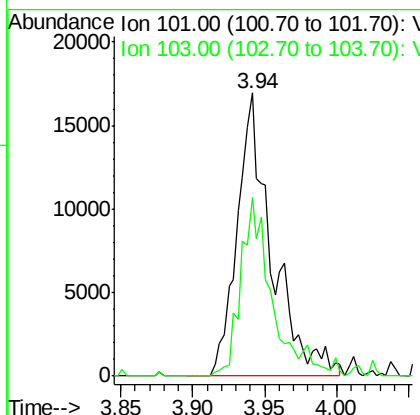
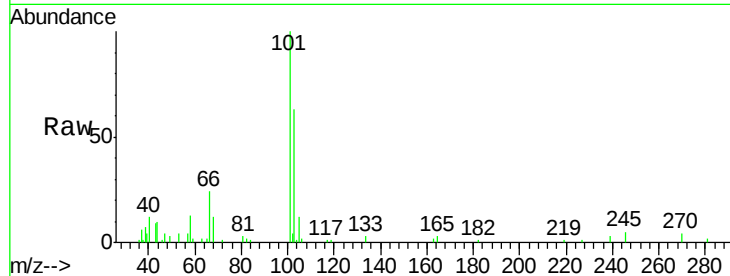
#11
 Trichlorofluoromethane
 Concen: 0.143 ppbv m
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.8	77.6

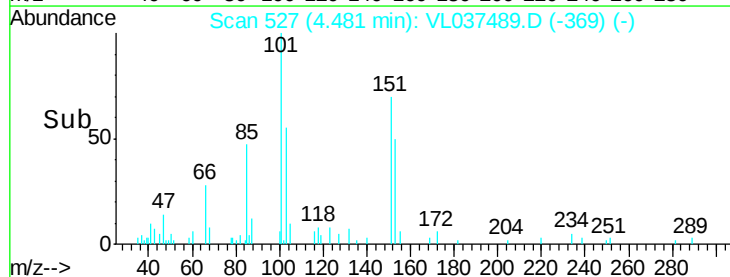
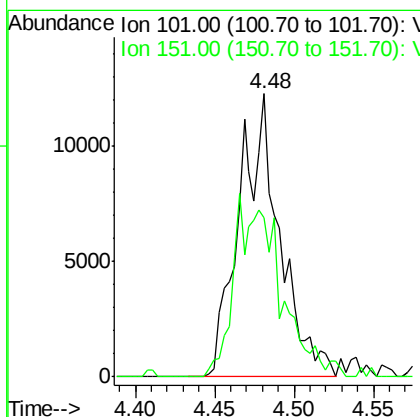
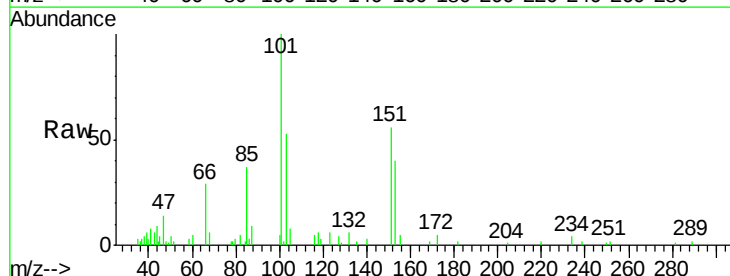
Manual Integrations
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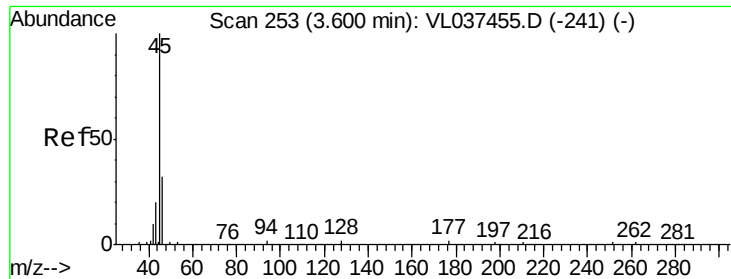
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.153 ppbv m
 RT: 4.48 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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





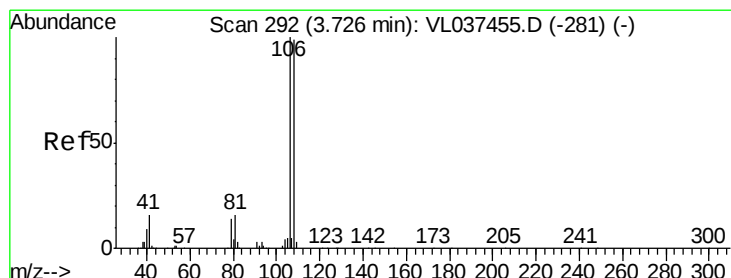
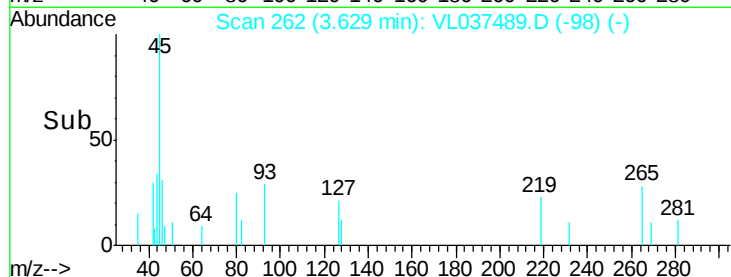
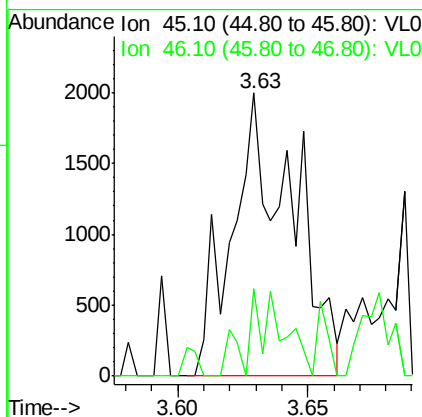
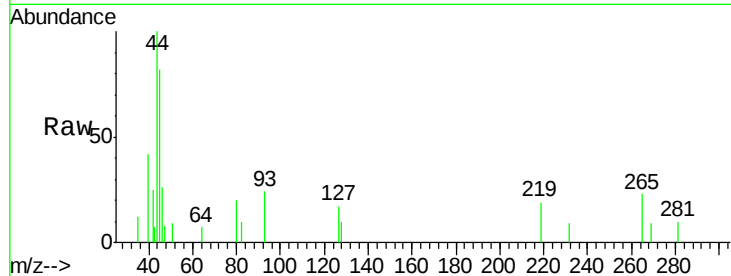
#13
Ethanol
Concen: 0.368 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.03 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion: 45 Resp: 3239
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#

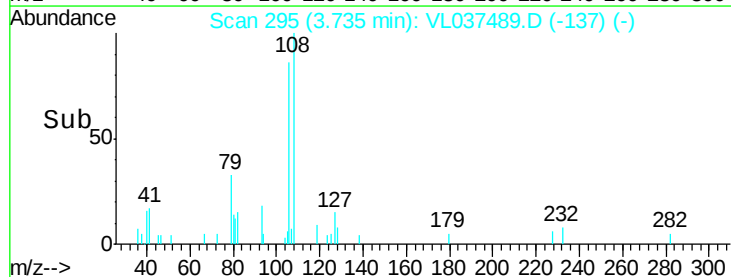
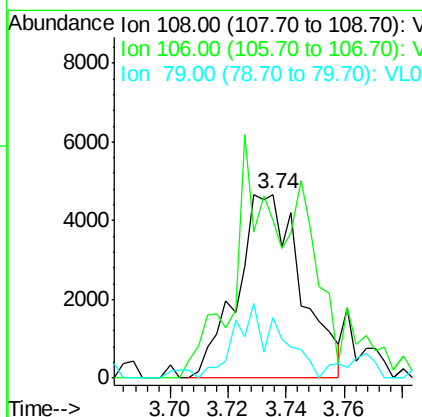
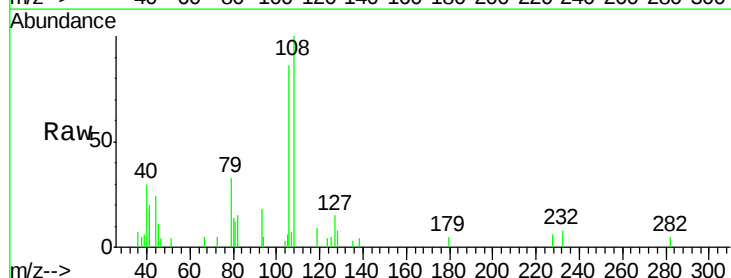
Manual Integrations
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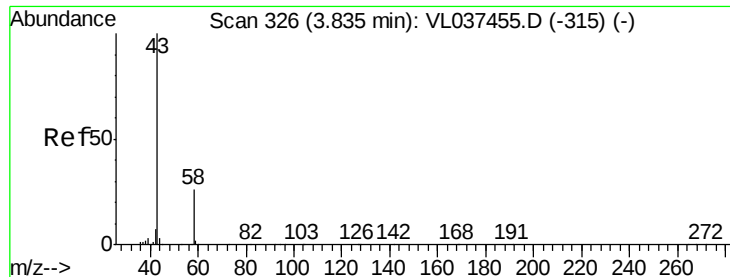
MMDadoda
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#14
Bromoethene
Concen: 0.108 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion: 108 Resp: 7146
Ion Ratio Lower Upper
108 100
106 145.9 85.8 128.8#
79 37.8 12.6 18.8#





#15

Acetone

Concen: 0.295 ppbv m

RT: 3.88 min Scan# 339

Delta R.T. 0.04 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 43 Resp: 39612

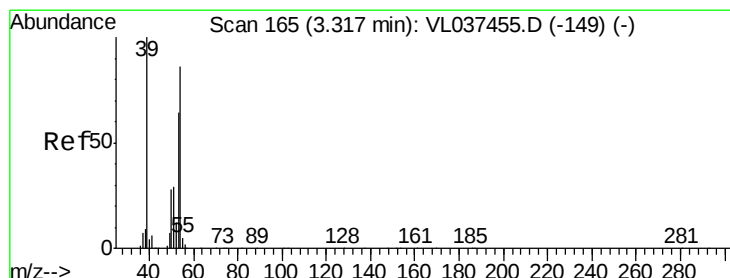
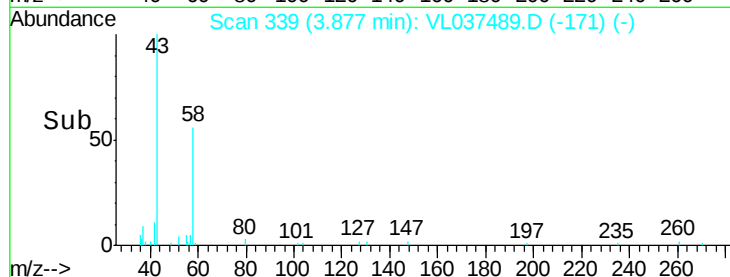
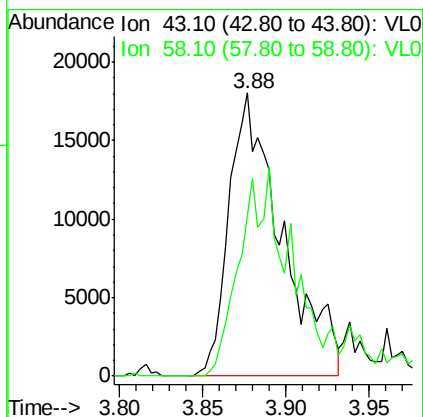
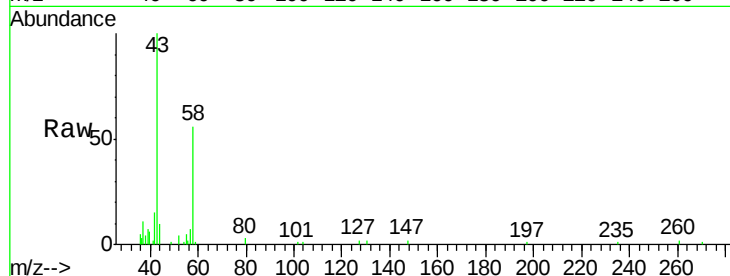
Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#

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#16

1,3-Butadiene

Concen: 0.145 ppbv m

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037489.D

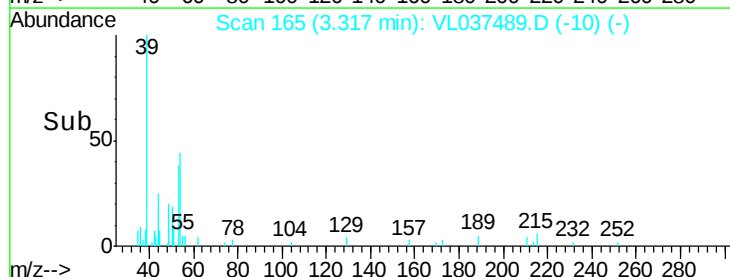
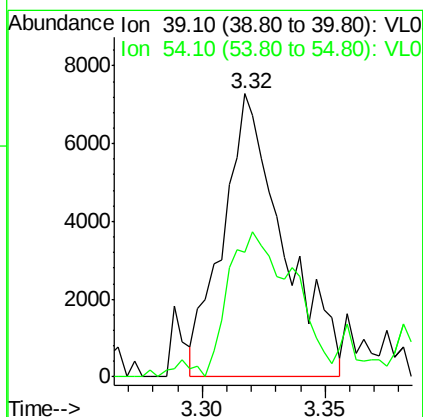
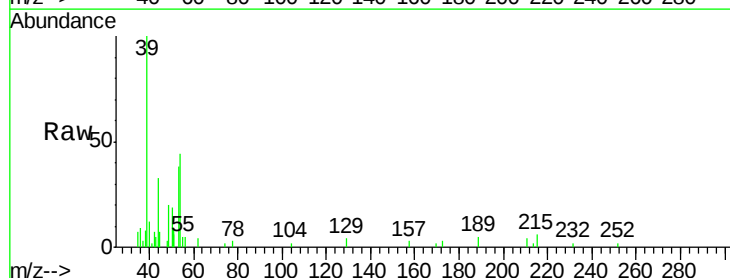
Acq: 18 Aug 2021 13:35

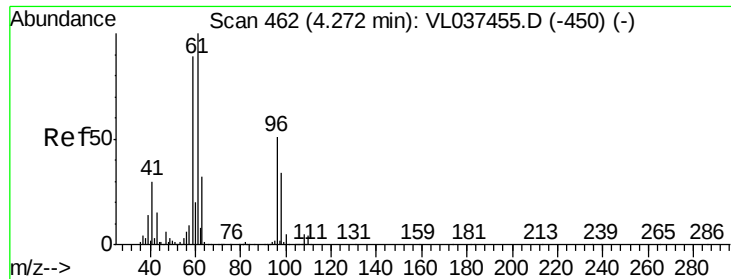
Tgt Ion: 39 Resp: 12527

Ion Ratio Lower Upper

39 100

54 68.5 63.7 95.5





#17

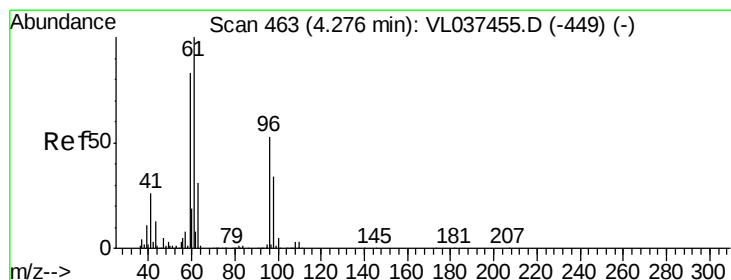
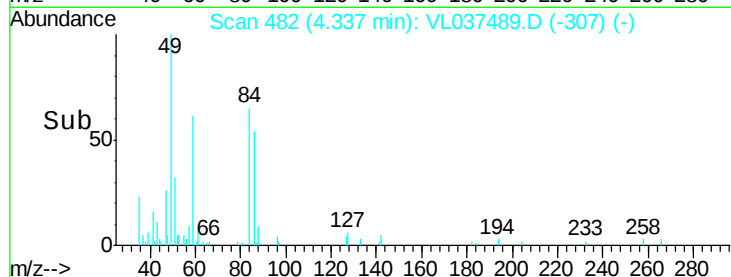
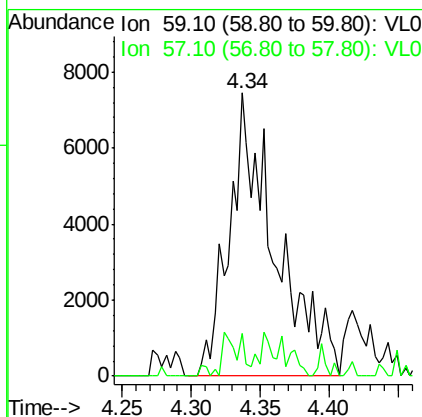
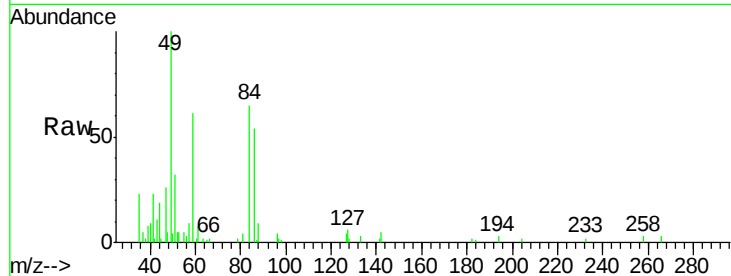
tert-Butyl alcohol
Concen: 0.140 ppbv m
RT: 4.34 min Scan# 482
Delta R.T. 0.06 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion: 59 Resp: 17151
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

Manual Integrations
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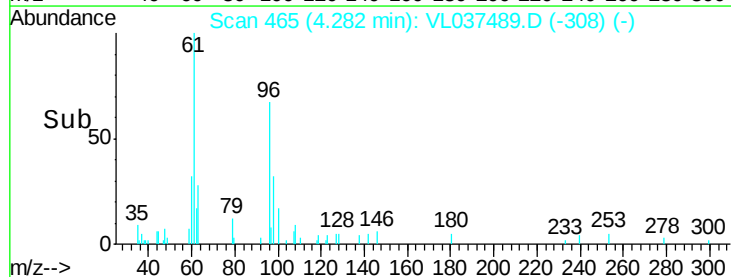
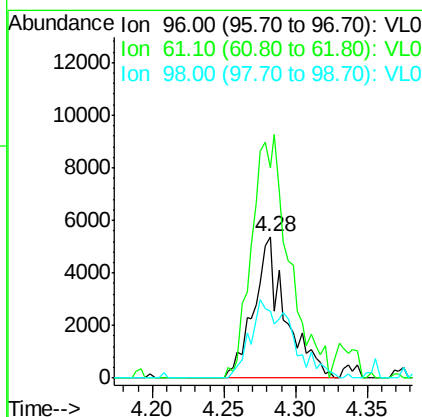
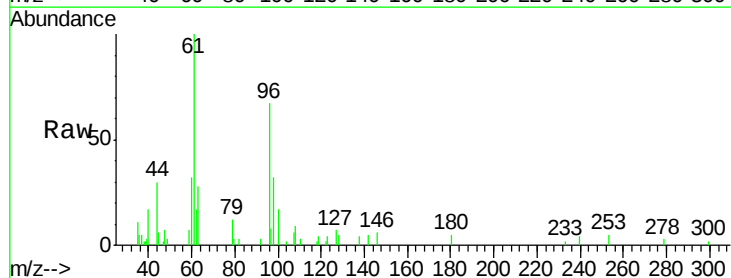
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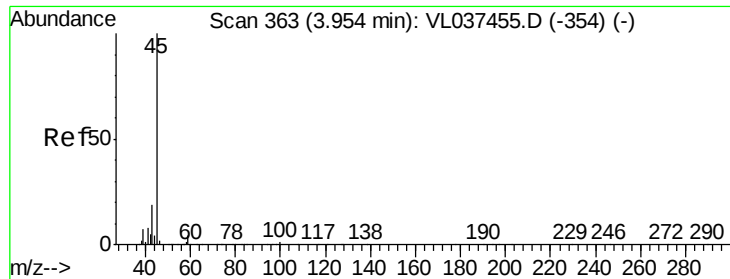


#18

1,1-Dichloroethene
Concen: 0.126 ppbv m
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion: 96 Resp: 8348
Ion Ratio Lower Upper
96 100
61 148.6 151.1 226.7#
98 47.3 51.8 77.8#





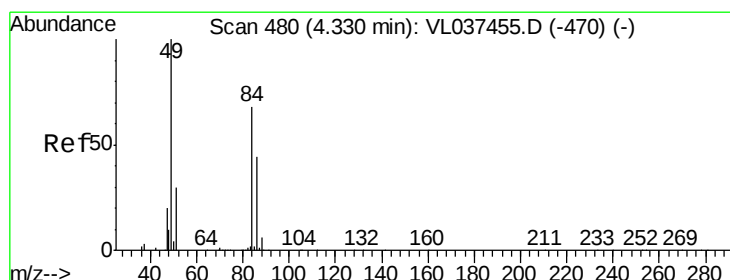
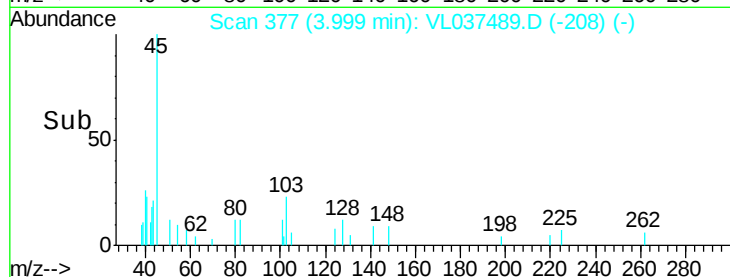
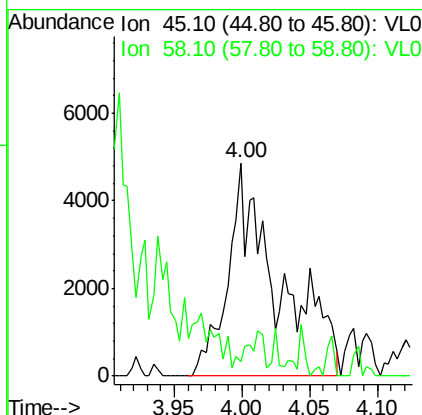
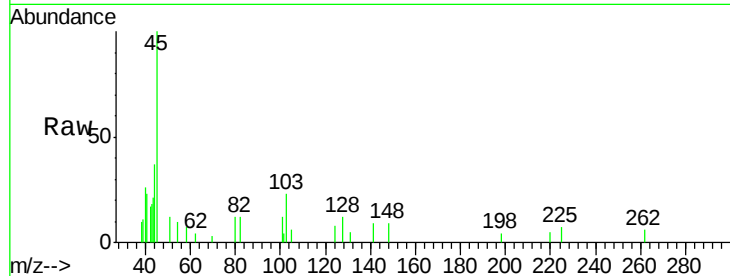
#19
Isopropyl Alcohol
Concen: 0.162 ppbv m
RT: 4.00 min Scan# 377
Delta R.T. 0.04 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion: 45 Resp: 12440
Ion Ratio Lower Upper
45 100
58 16.4 1.4 2.2#

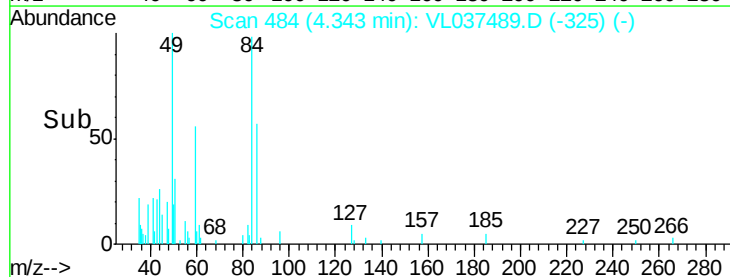
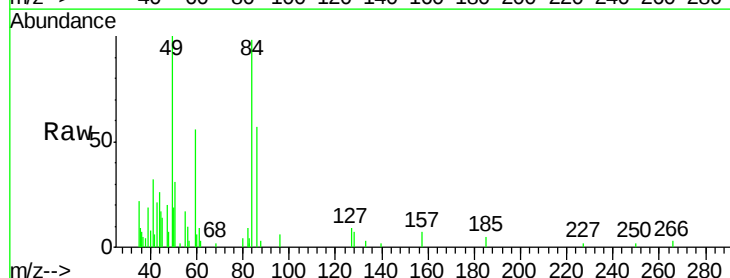
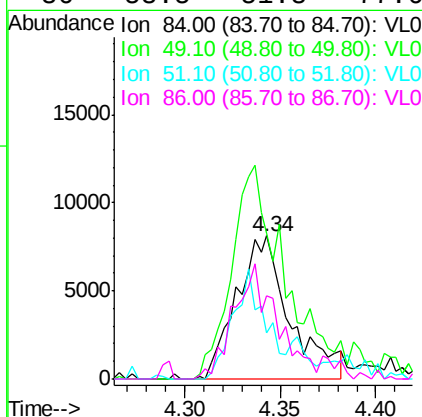
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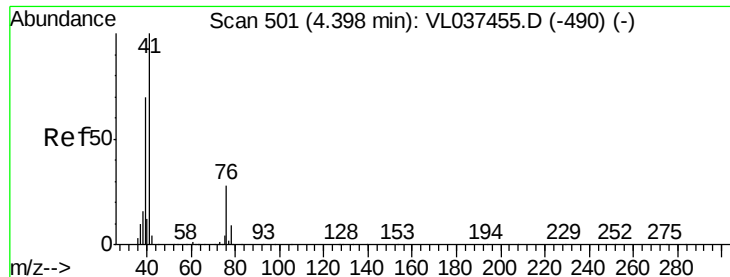
MMDadoda
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#20
Methylene Chloride
Concen: 0.234 ppbv m
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion: 84 Resp: 15723
Ion Ratio Lower Upper
84 100
49 102.2 118.2 177.2#
51 31.8 36.6 55.0#
86 58.5 51.8 77.6





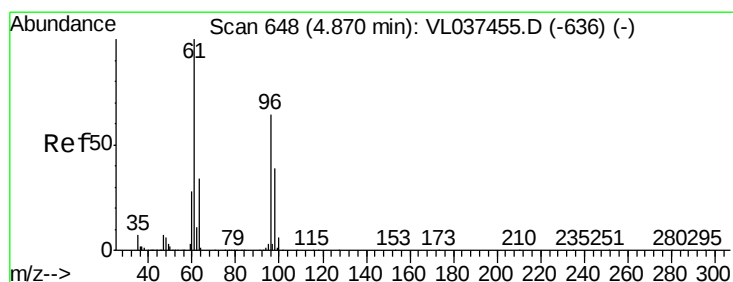
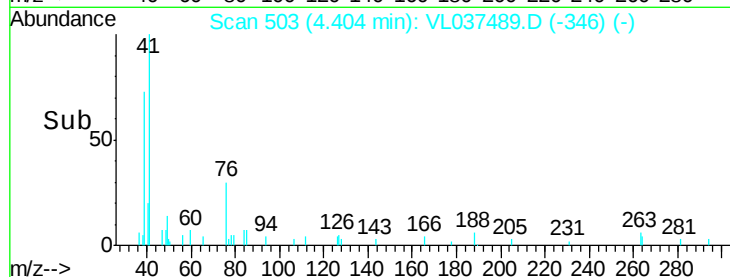
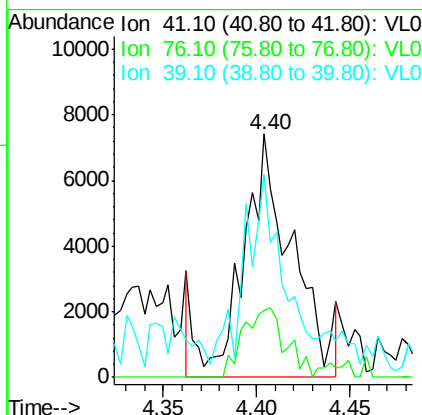
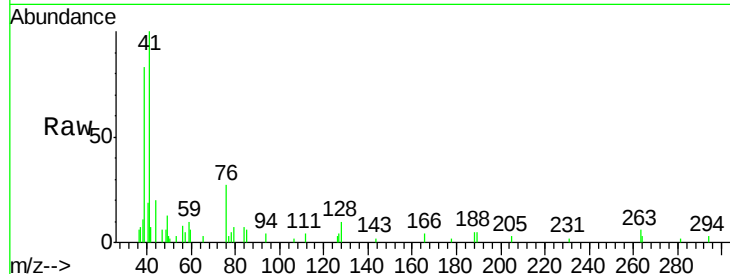
#21
Allvl Chloride
Concen: 0.125 ppbv m
RT: 4.40 min Scan# 503
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.4	21.8	32.6
39	79.8	56.8	85.2

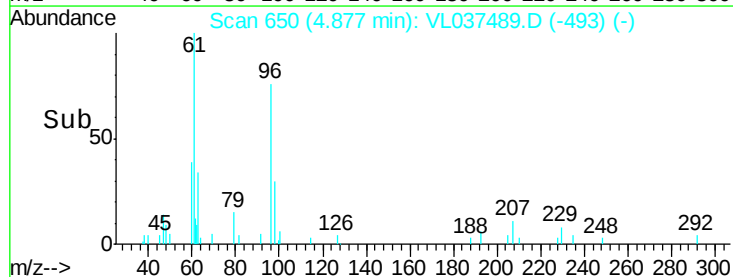
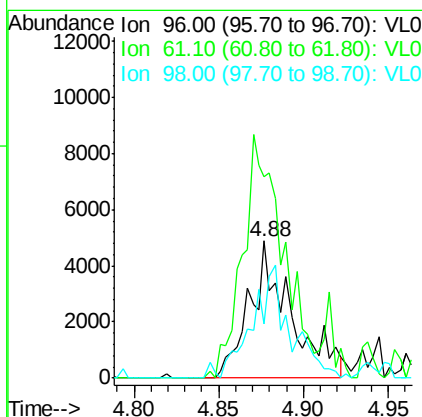
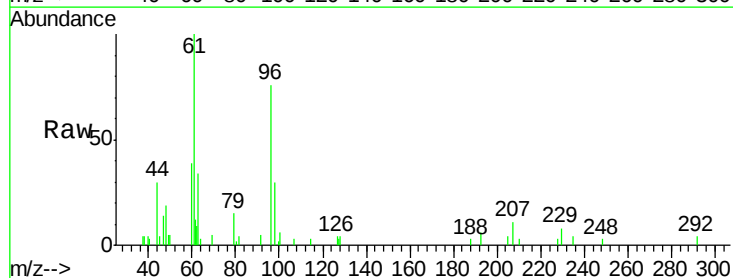
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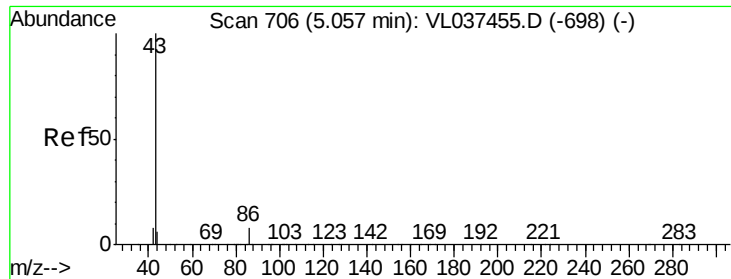
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.125 ppbv m
RT: 4.88 min Scan# 650
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.5	125.5	188.3
98	39.7	49.0	73.4#





#23

Vinyl Acetate

Concen: 0.120 ppbv m

RT: 5.09 min Scan# 715

Delta R.T. 0.03 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

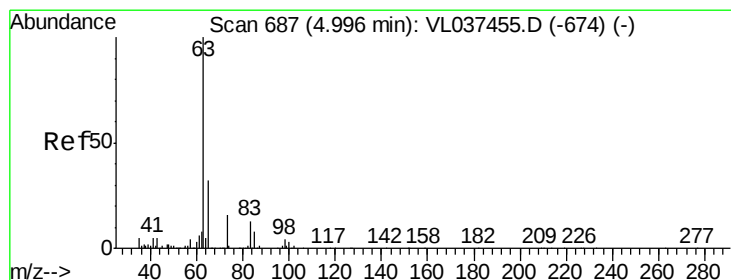
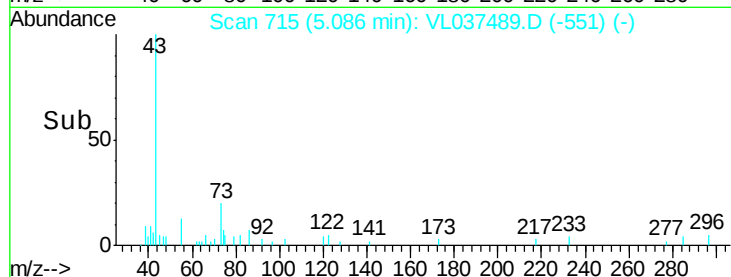
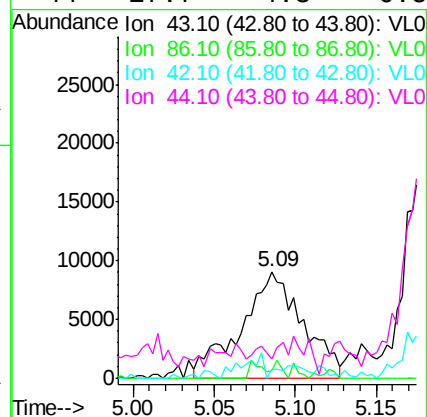
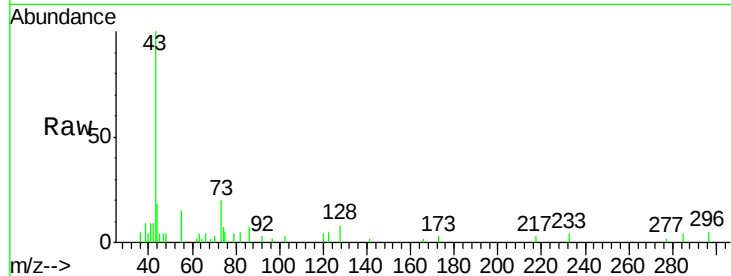
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion	43	Resp	23779
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.7	8.5
42	8.7	7.4	11.2
44	17.7	4.3	6.5#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.130 ppbv m

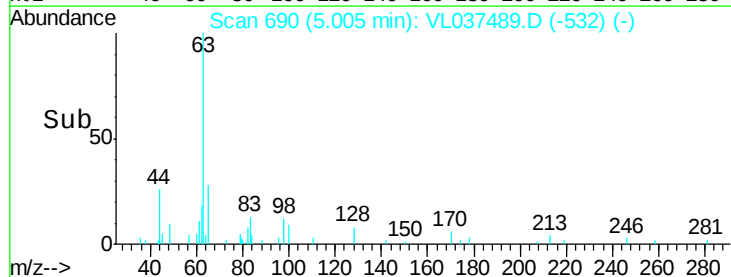
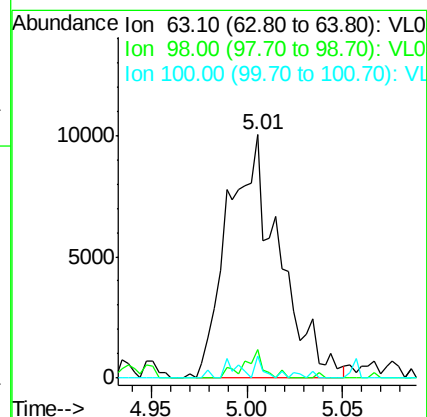
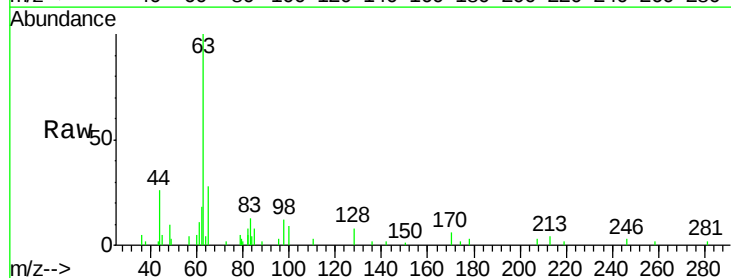
RT: 5.01 min Scan# 690

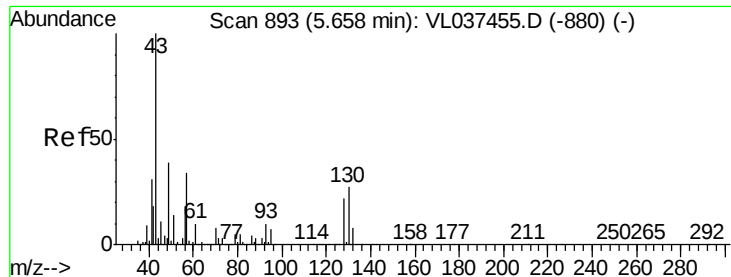
Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion	63	Resp	18734
Ion	Ratio	Lower	Upper
63	100		
98	11.8	2.1	6.3#
100	9.0	1.6	4.7#





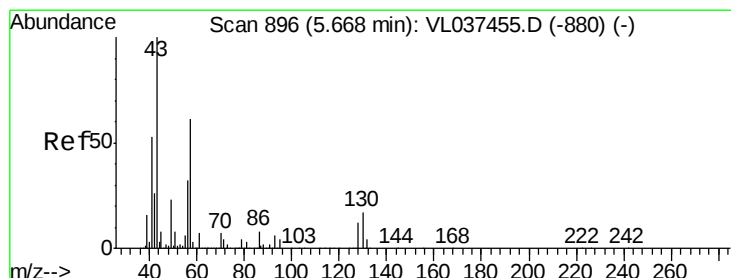
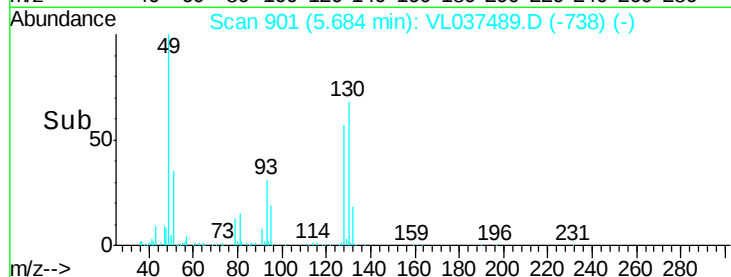
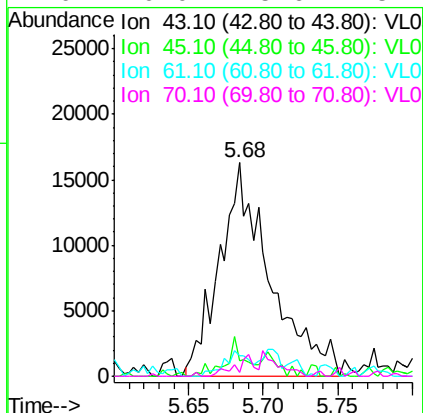
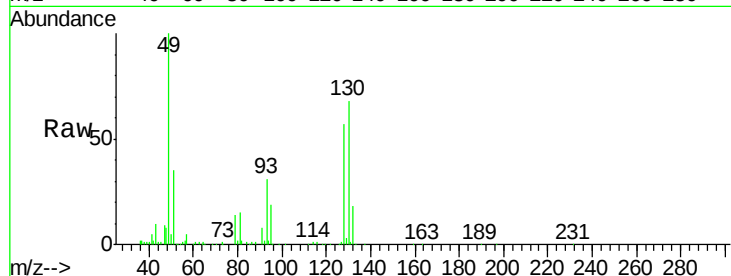
#25
Ethyl Acetate
Concen: 0.112 ppbv m
RT: 5.68 min Scan# 901
Delta R.T. 0.03 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.0	8.0	12.0#
70	0.0	5.6	8.4#

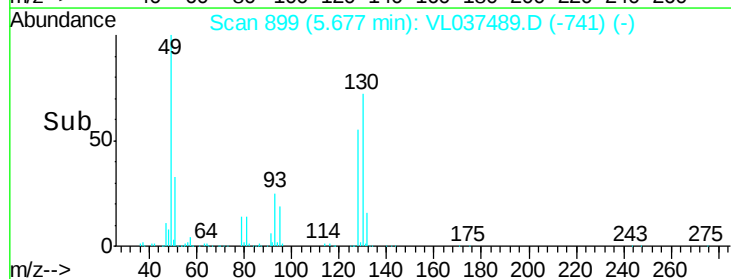
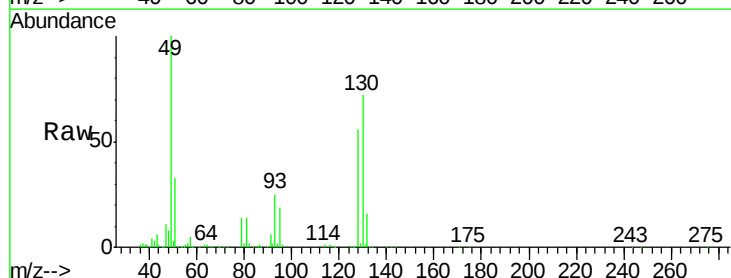
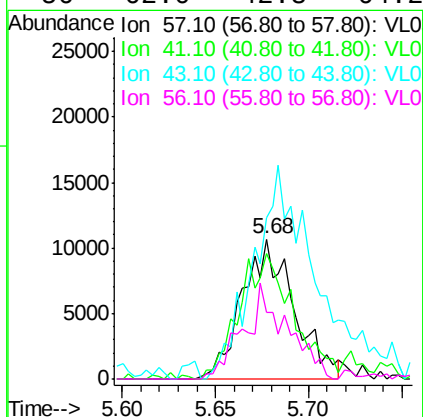
Manual Integrations
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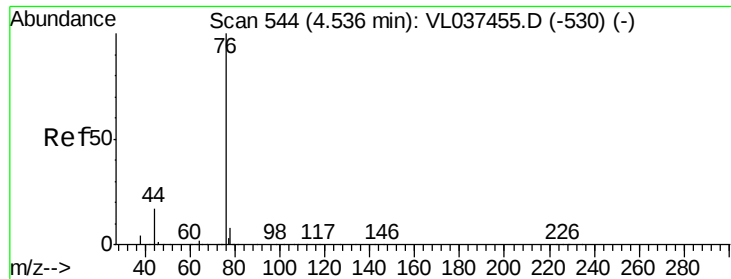
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#26
Hexane
Concen: 0.123 ppbv m
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Lower	Upper
57	100		
41	106.9	72.3	108.5
43	0.0	172.3	258.5#
56	62.0	42.8	64.2





#27

Carbon Disulfide

Concen: 0.103 ppbv m

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

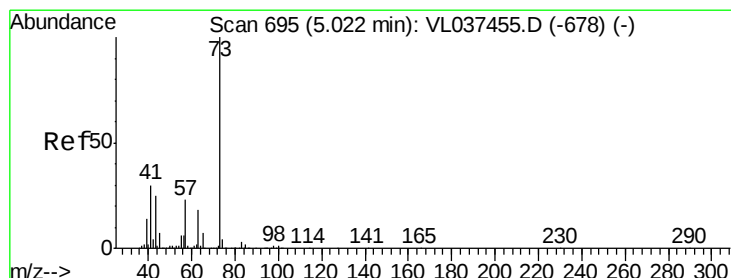
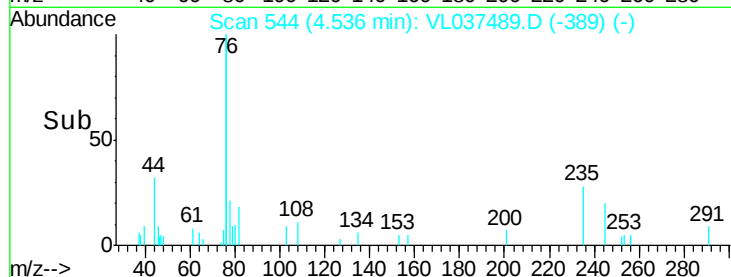
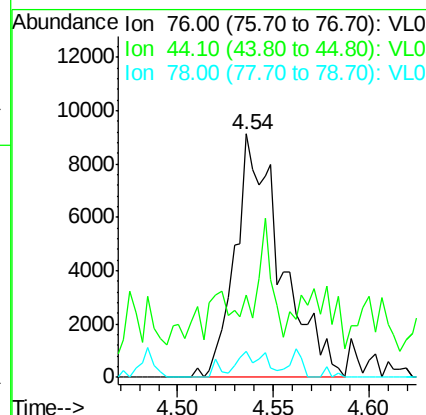
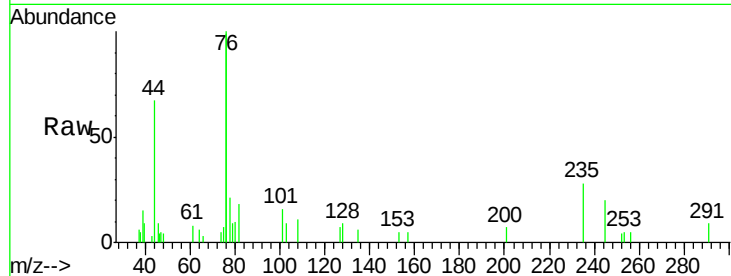
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	76	Resp:	15324
Ion Ratio	Lower	Upper	
76	100		
44	0.0	13.9	20.9#
78	0.0	7.9	11.9#

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#28

Methyl tert-Butyl Ether

Concen: 0.105 ppbv m

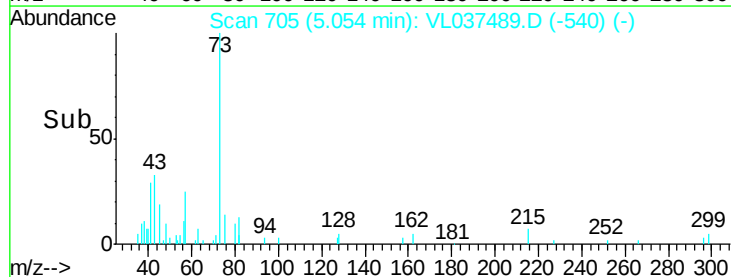
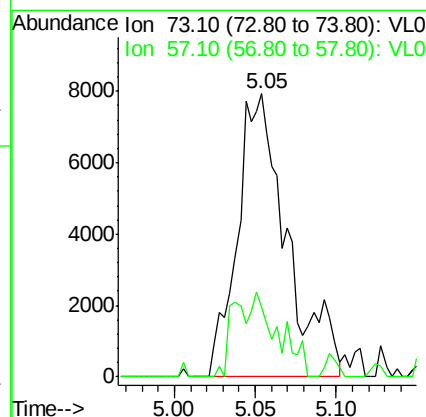
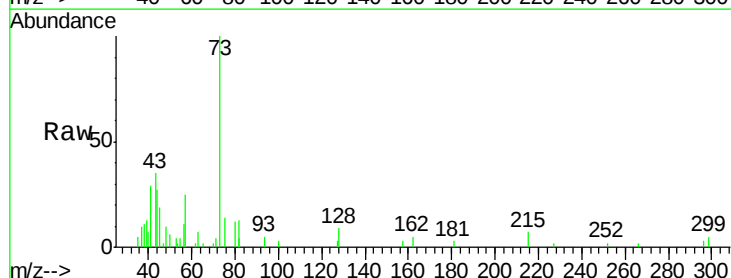
RT: 5.05 min Scan# 705

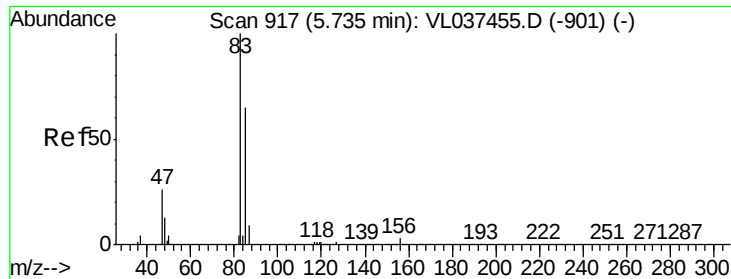
Delta R.T. 0.03 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion:	73	Resp:	16847
Ion Ratio	Lower	Upper	
73	100		
57	0.0	19.4	29.2#





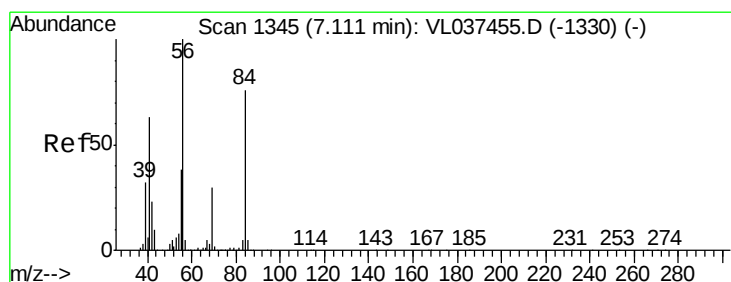
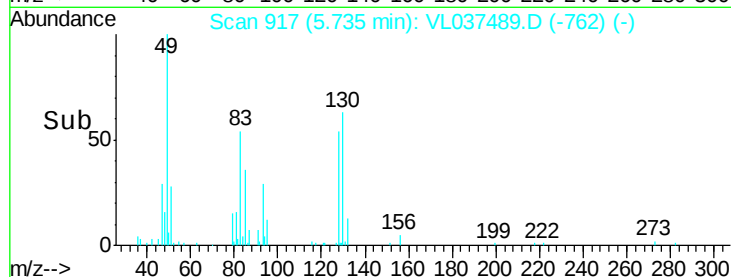
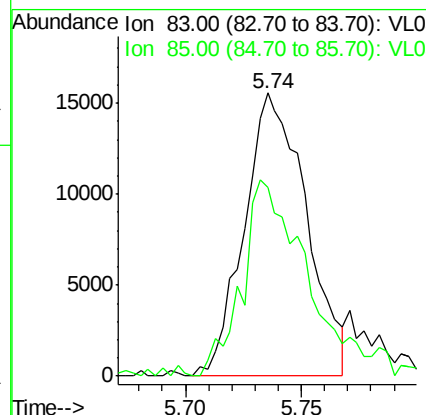
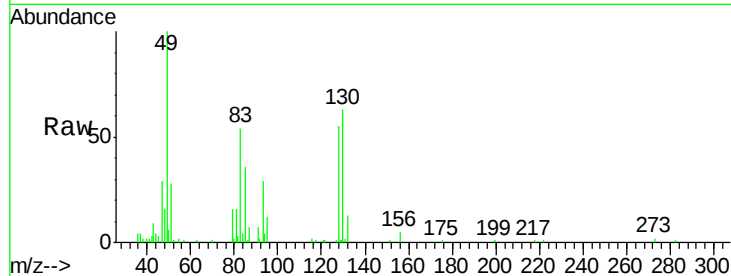
#29
Chloroform
Concen: 0.123 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion: 83 Resp: 28994
Ion Ratio Lower Upper
83 100
85 66.4 52.3 78.5

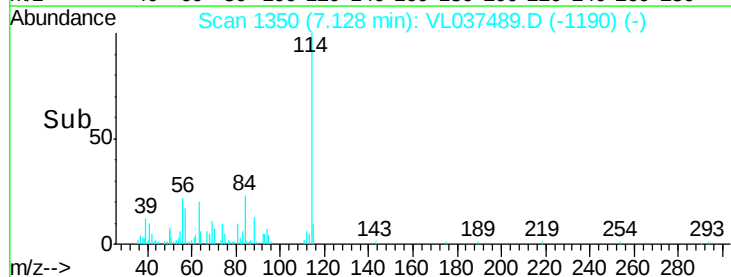
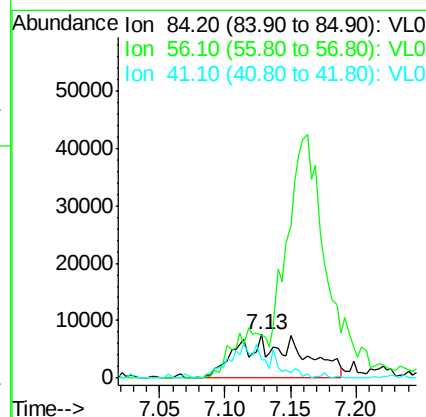
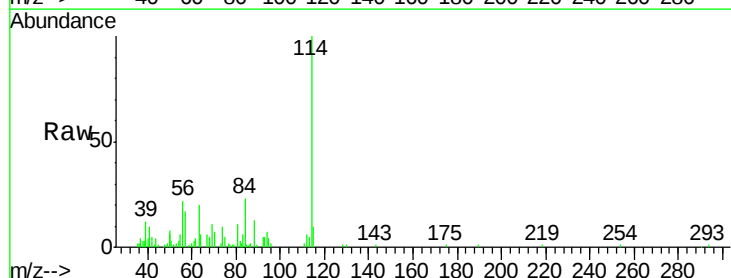
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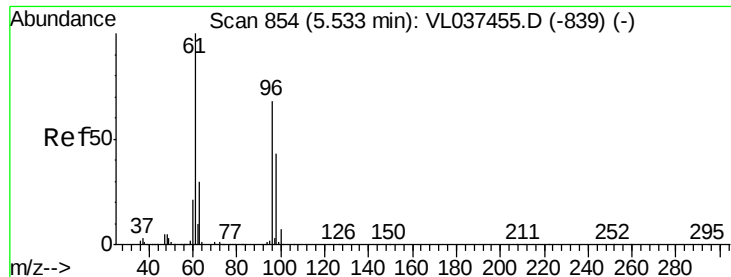
MMDadoda
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#30
Cyclohexane
Concen: 0.179 ppbv m
RT: 7.13 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion: 84 Resp: 24849
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 67.0 100.6#





#31

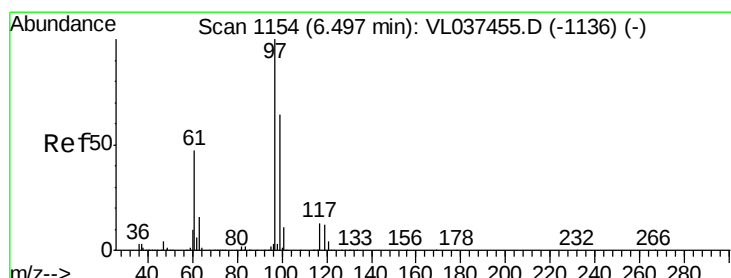
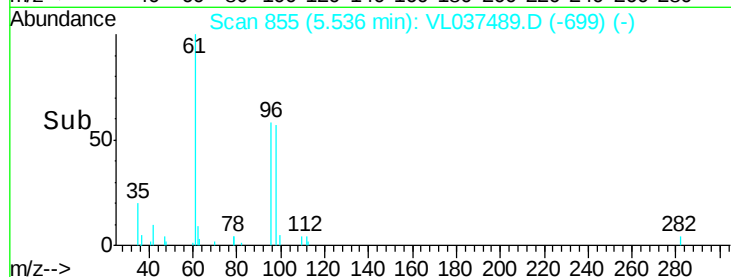
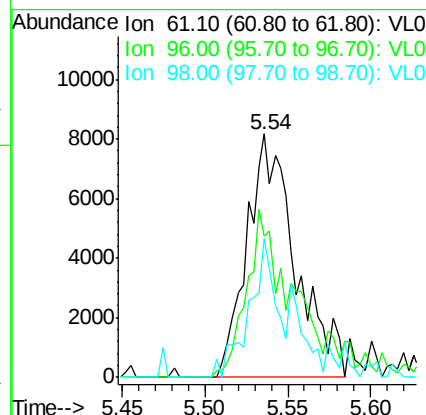
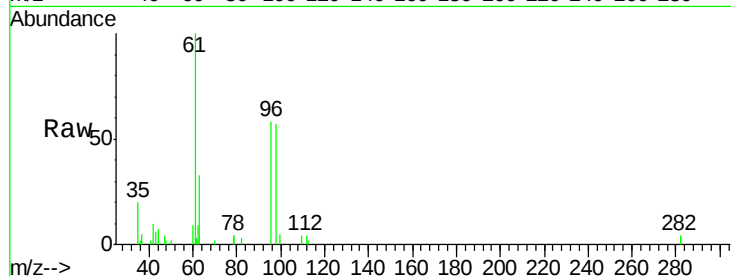
cis-1,2-Dichloroethene
 Concen: 0.110 ppbv m
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Resp	Lower	Upper
61	100	16641		
96	58.0		54.8	82.2
98	56.8		34.2	51.2#

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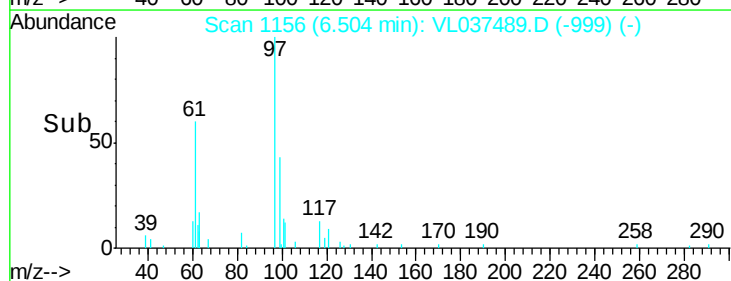
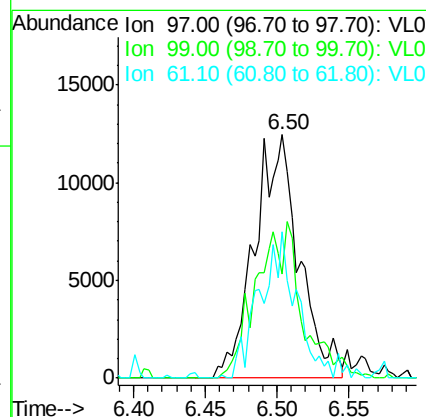
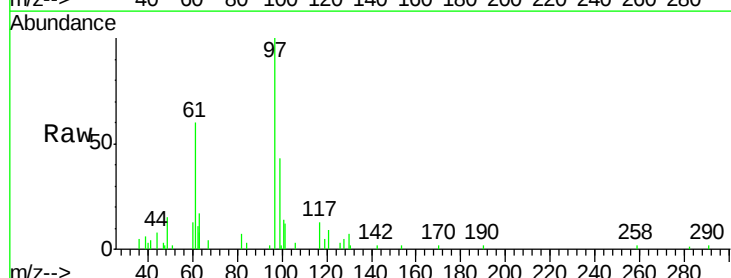
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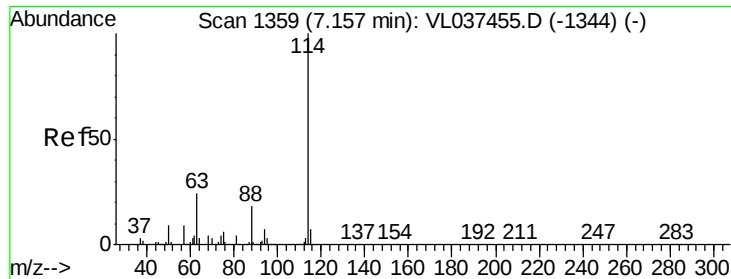


#32

1,1,1-Trichloroethane
 Concen: 0.115 ppbv m
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	26591		
99	66.5		51.8	77.6
61	51.6		39.6	59.4





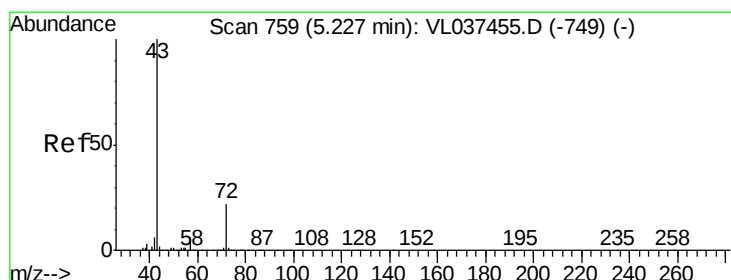
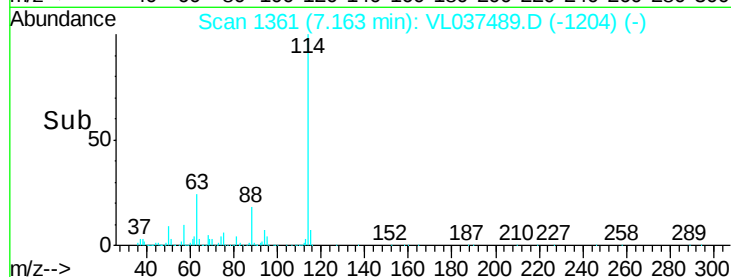
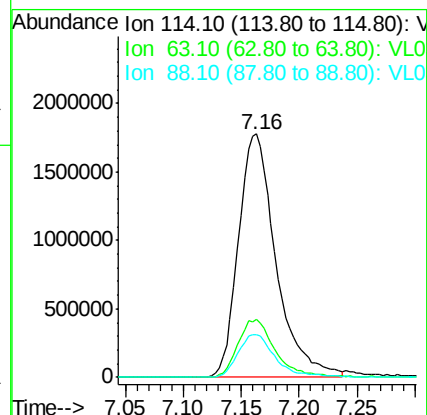
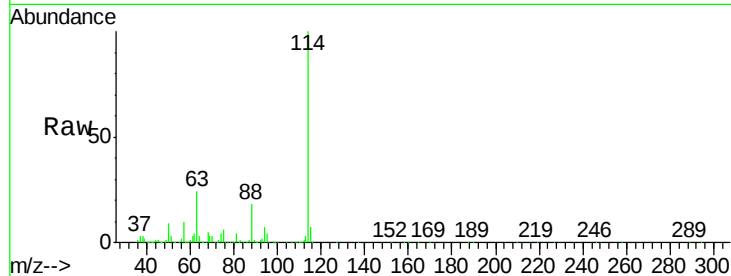
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	18.0	14.2	21.4

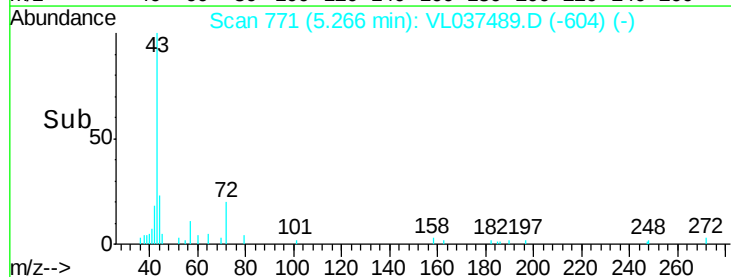
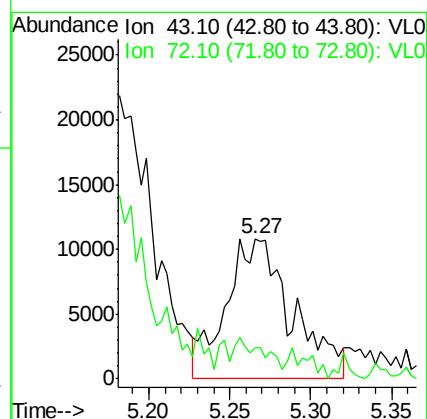
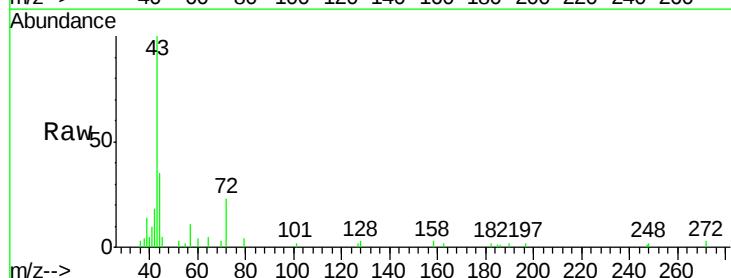
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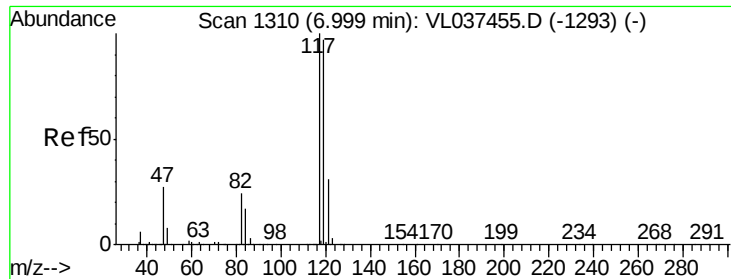
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#34
 2-Butanone
 Concen: 0.188 ppbv m
 RT: 5.27 min Scan# 771
 Delta R.T. 0.04 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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





#35

Carbon Tetrachloride

Concen: 0.111 ppbv m

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

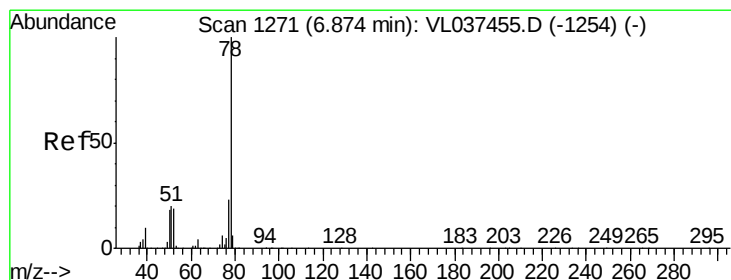
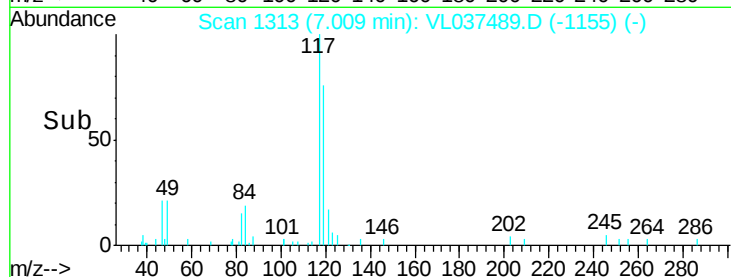
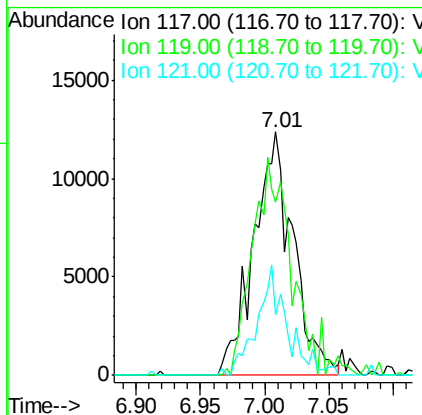
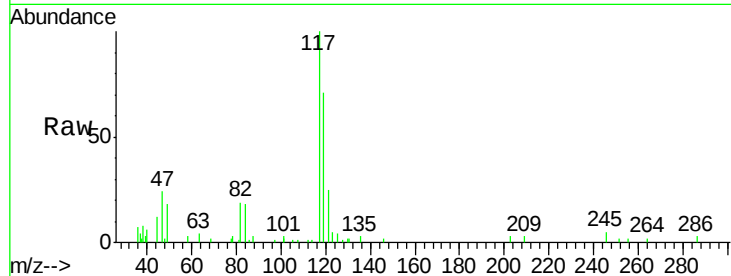
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	117	Resp:	26278
Ion Ratio	Lower	Upper	
117	100		
119	71.0	77.3	115.9#
121	25.0	25.2	37.8#

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#36

Benzene

Concen: 0.103 ppbv m

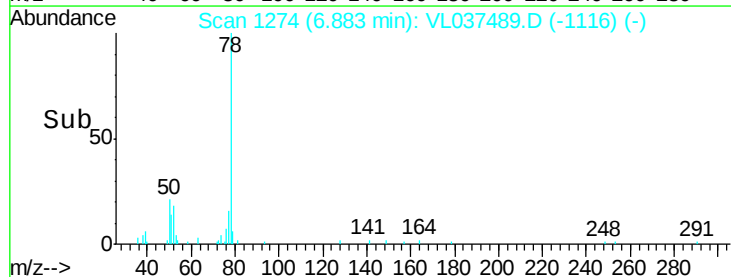
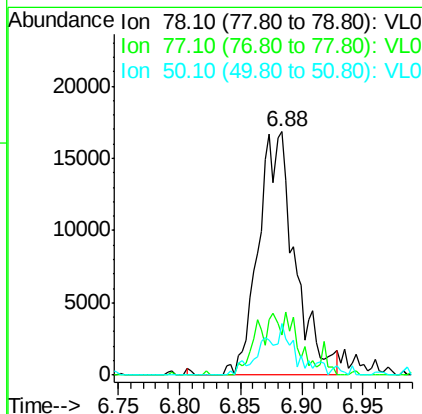
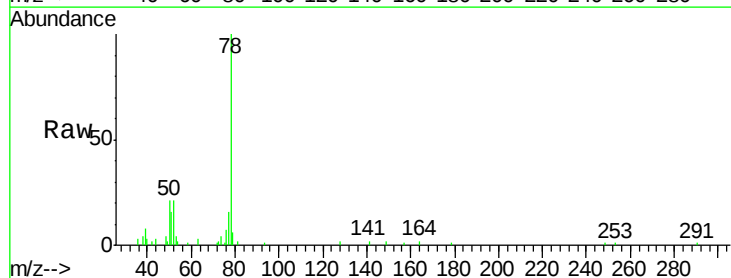
RT: 6.88 min Scan# 1274

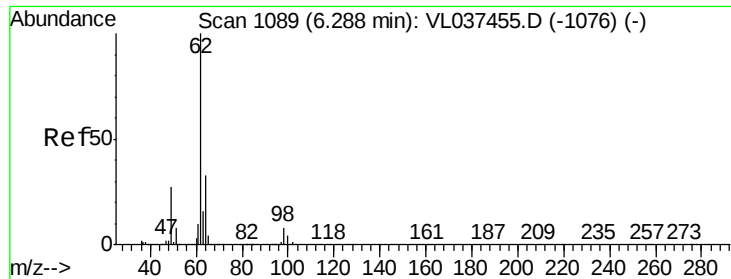
Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion:	78	Resp:	34655
Ion Ratio	Lower	Upper	
78	100		
77	16.5	18.2	27.4#
50	21.1	14.6	21.8





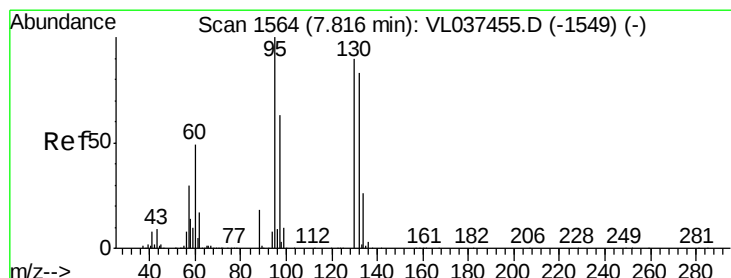
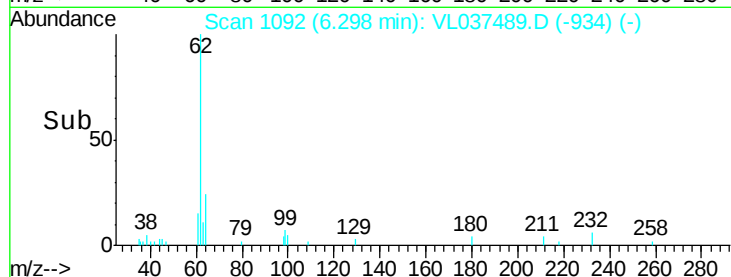
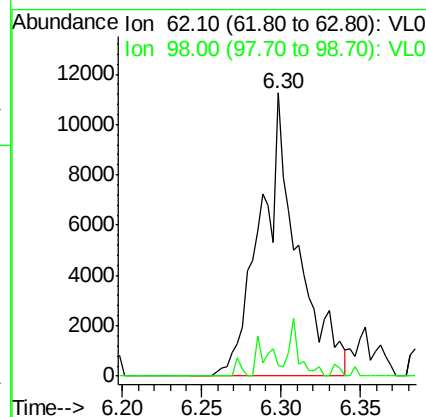
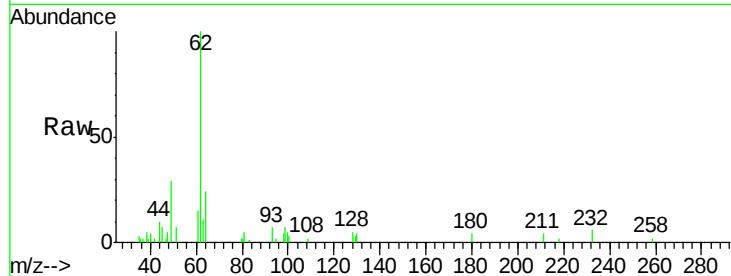
#37
 1,2-Dichloroethane
 Concen: 0.109 ppbv m
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Resp	Lower	Upper
62	100	18247		
98	0.0	6.0	9.0#	

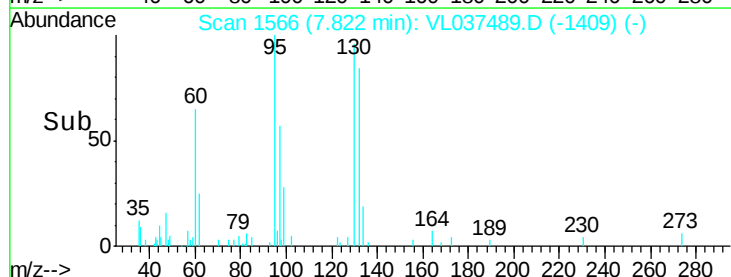
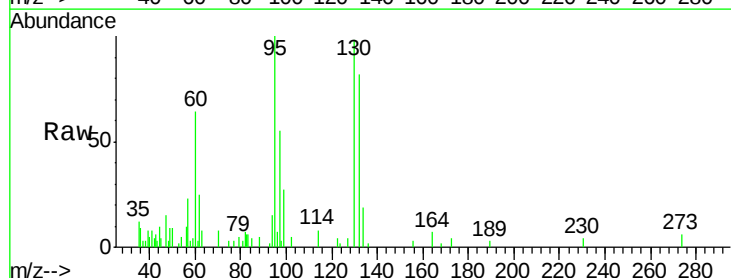
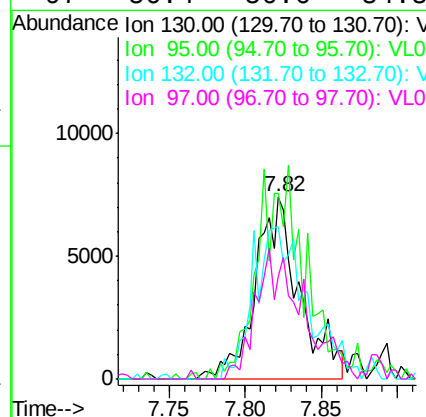
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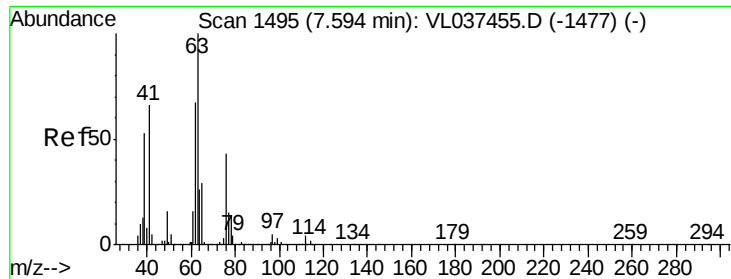
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#38
 Trichloroethene
 Concen: 0.108 ppbv m
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	14904		
95	101.8	89.2	133.8	
132	83.4	74.0	111.0	
97	56.4	56.6	84.8#	





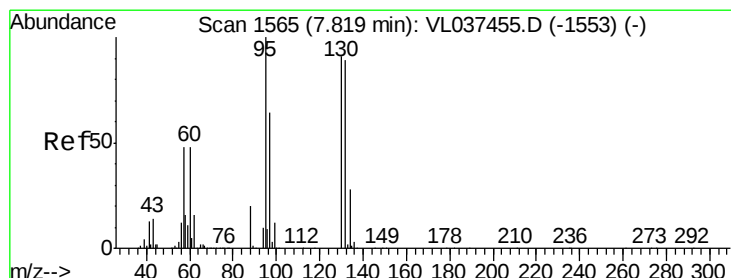
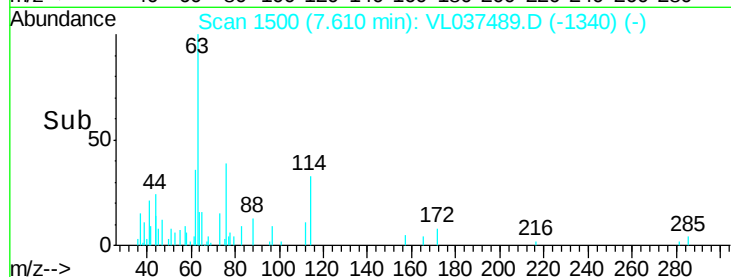
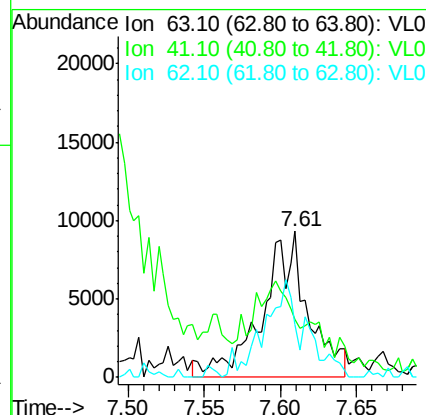
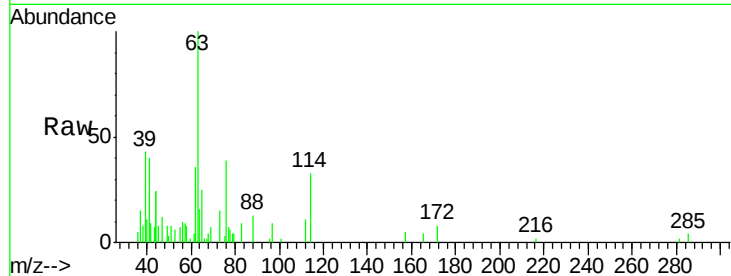
#39
 1,2-Dichloropropane
 Concen: 0.150 ppbv m
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.02 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Lower	Upper
63	100		
41	39.9	52.4	78.6#
62	35.9	53.6	80.4#

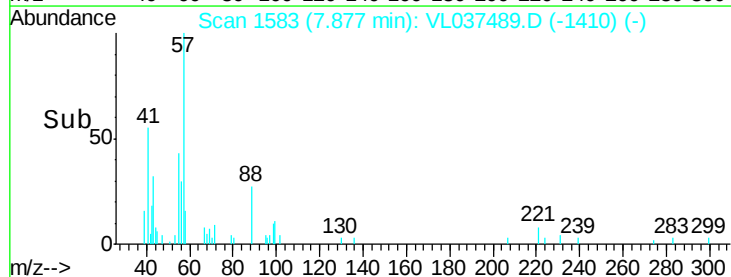
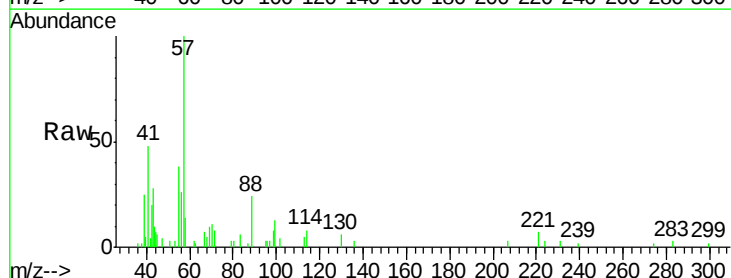
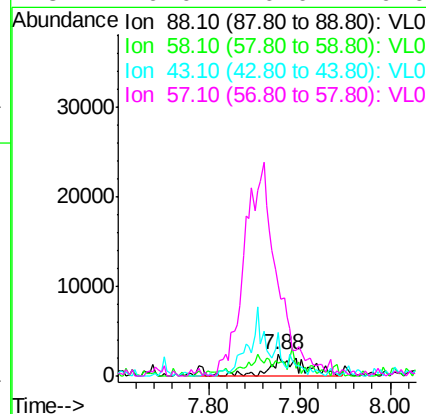
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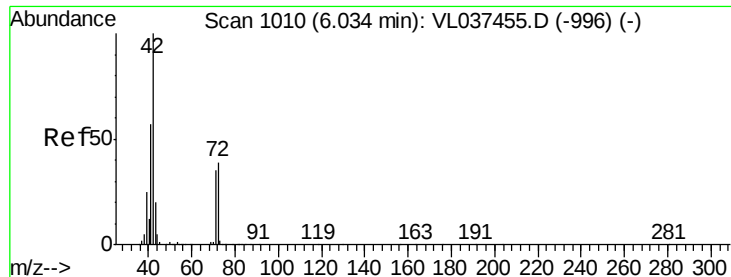
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#40
 1,4-Dioxane
 Concen: 0.198 ppbv m
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.06 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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





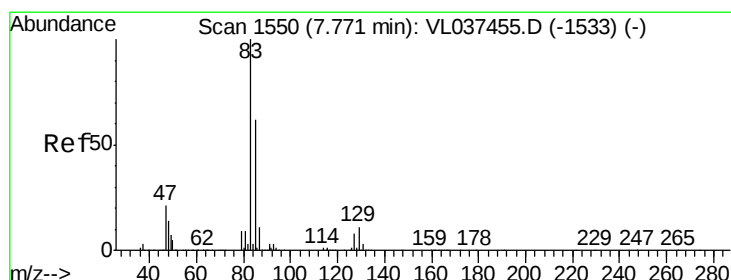
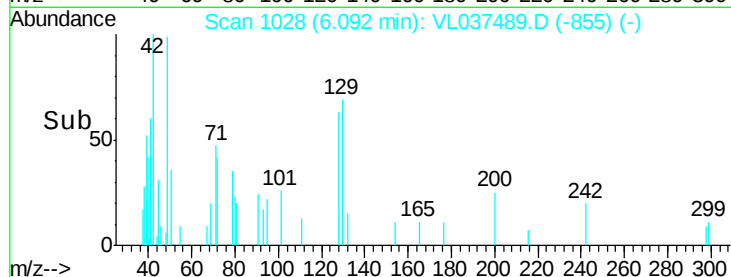
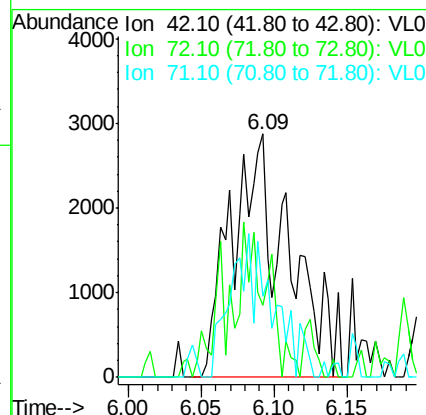
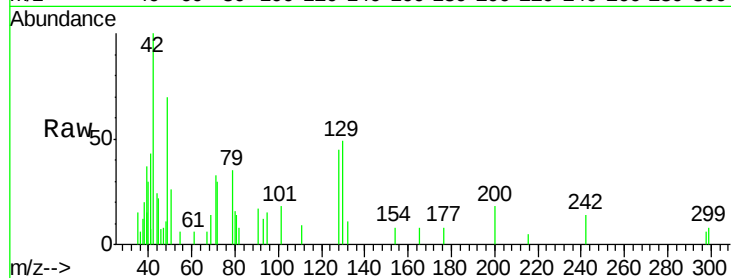
#41
Tetrahydrofuran
Concen: 0.100 ppbv m
RT: 6.09 min Scan# 1028
Delta R.T. 0.06 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

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

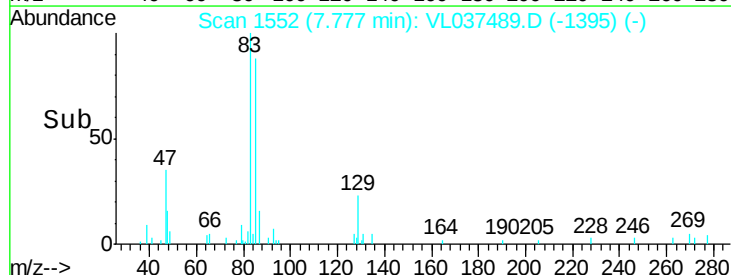
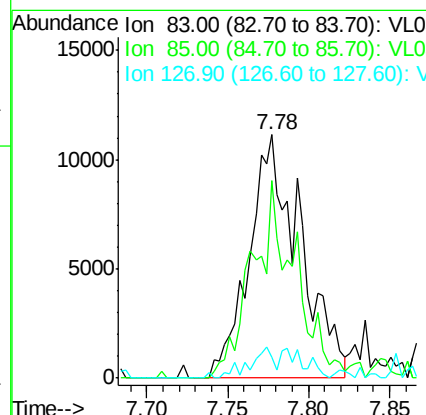
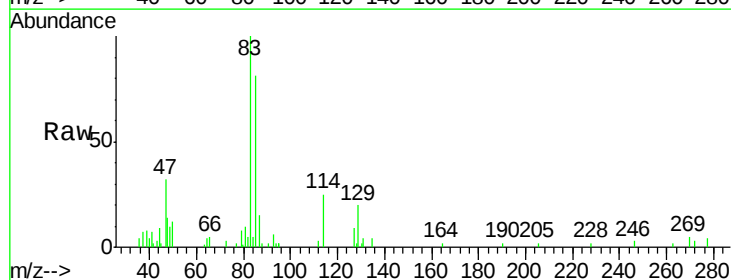
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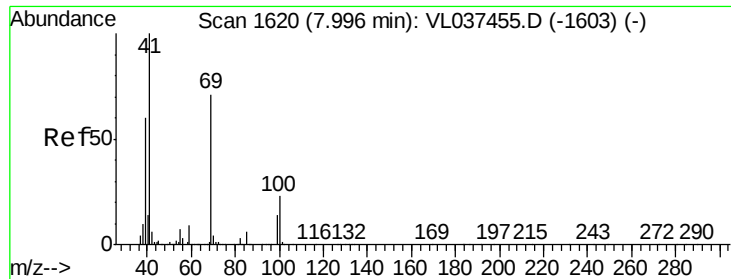
MMDadoda
8/19/2021 5:57:52 PM



#42
Bromodichloromethane
Concen: 0.100 ppbv m
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	81.2	49.5	74.3#
127	8.8	6.3	9.5





#43

Methvl Methacrylate

Concen: 0.079 ppbv m

RT: 8.02 min Scan# 1627

Delta R.T. 0.02 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

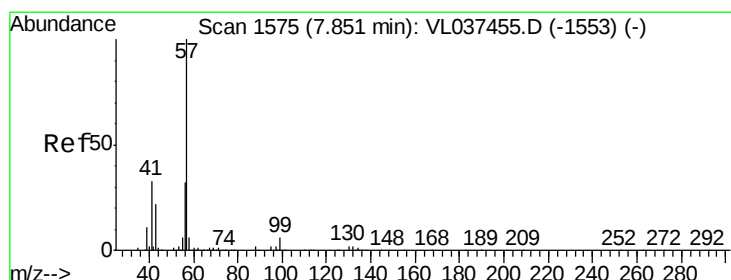
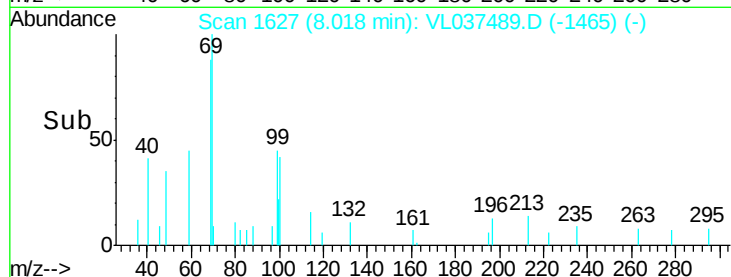
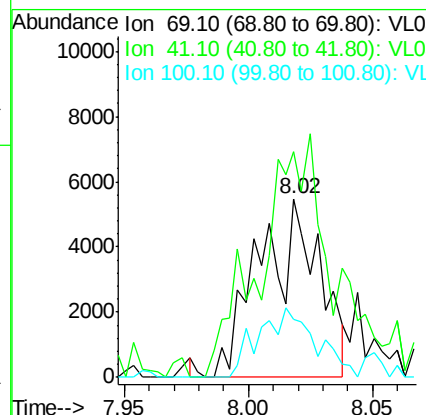
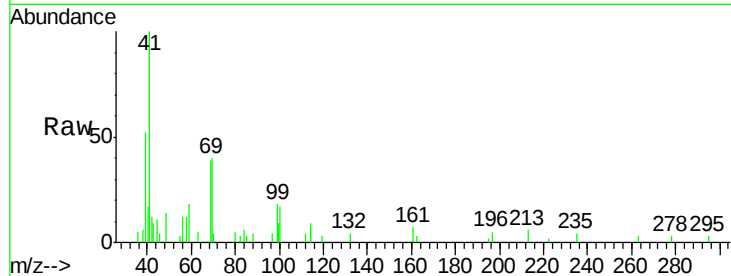
Instrument :
MSVOA_L

ClientSampleId :
MDL-AIR-03-QT3-2021

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

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 0.101 ppbv m

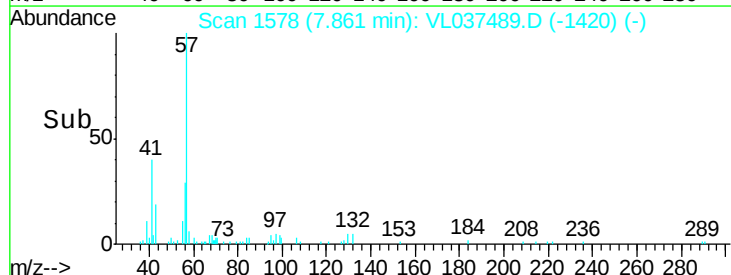
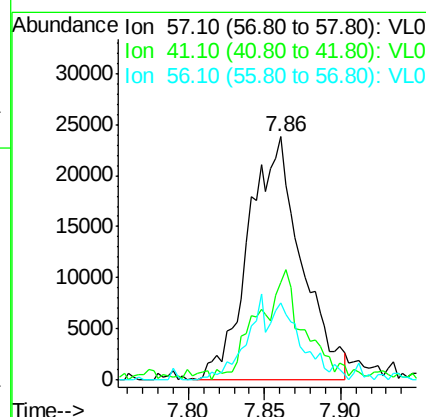
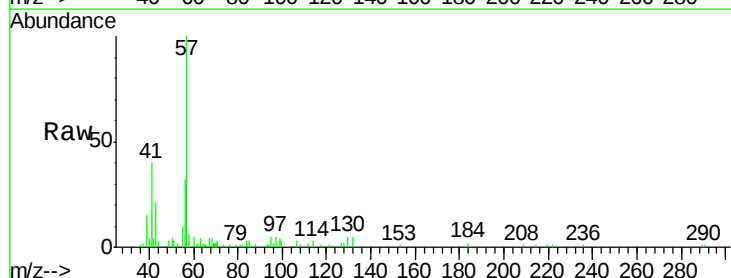
RT: 7.86 min Scan# 1578

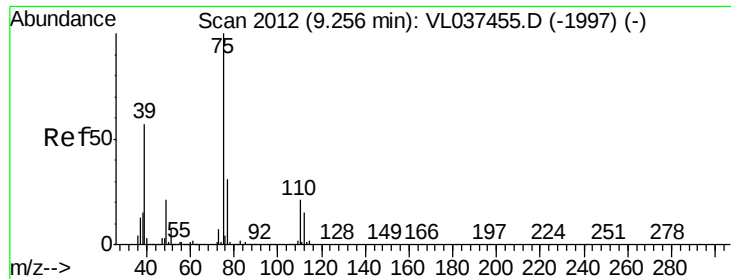
Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Lower	Upper
57	100		
41	42.0	26.2	39.4#
56	0.0	25.4	38.2#





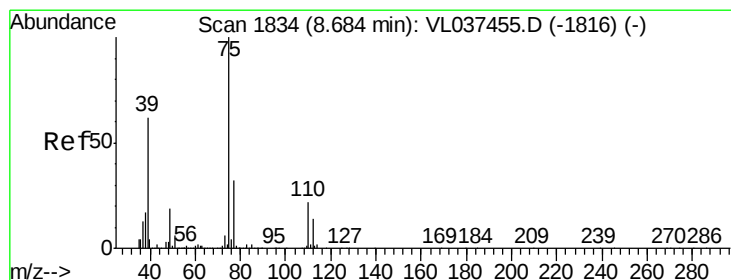
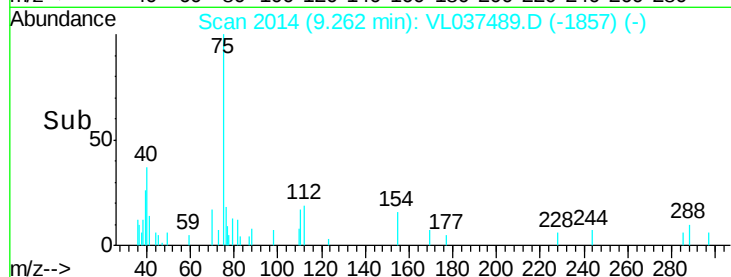
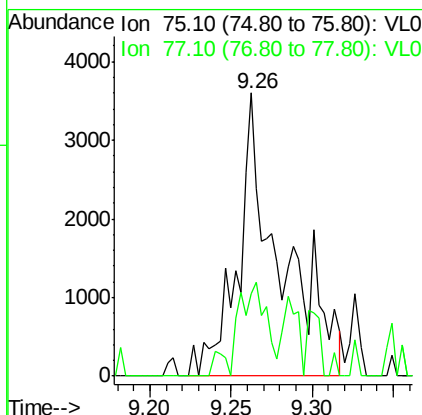
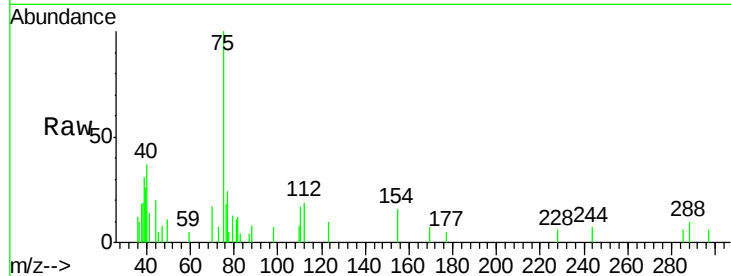
#45
t-1,3-Dichloropropene
Concen: 0.075 ppbv m
RT: 9.26 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion: 75 Resp: 6642
Ion Ratio Lower Upper
75 100
77 23.9 24.5 36.7#

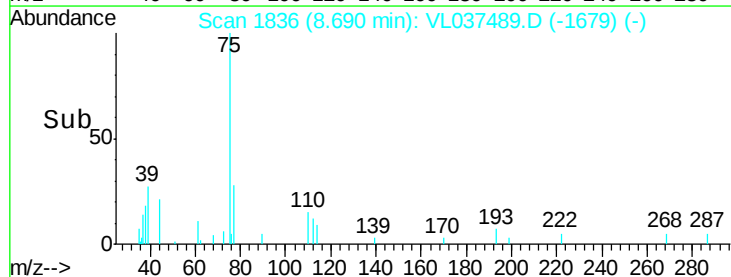
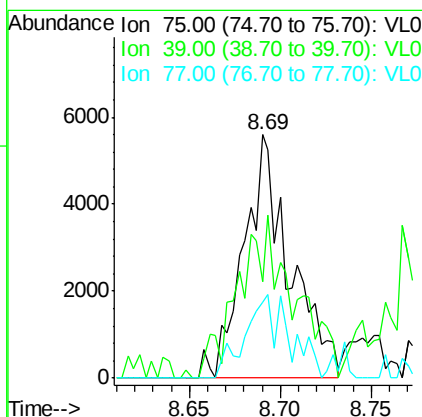
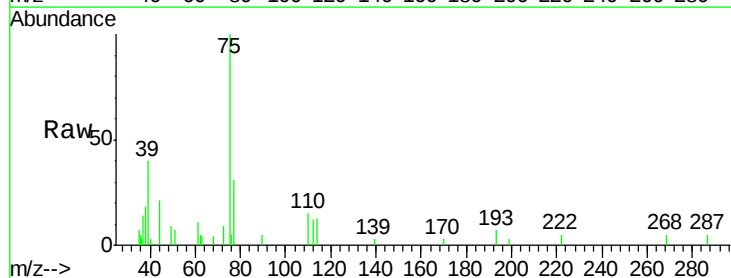
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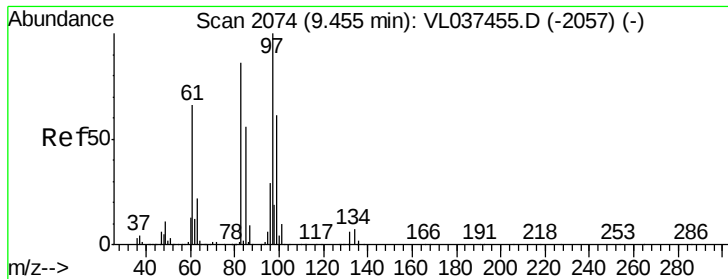
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 0.080 ppbv m
RT: 8.69 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion: 75 Resp: 9819
Ion Ratio Lower Upper
75 100
39 39.6 49.7 74.5#
77 31.3 25.4 38.0





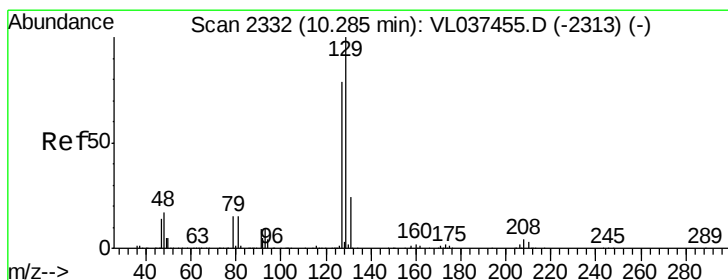
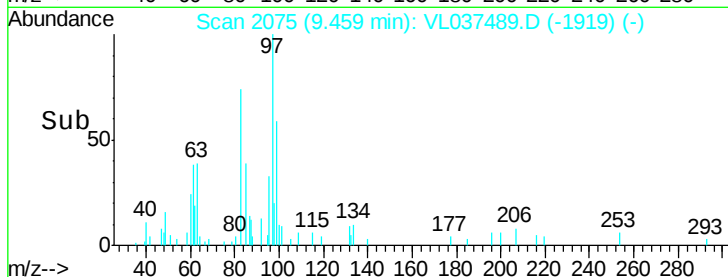
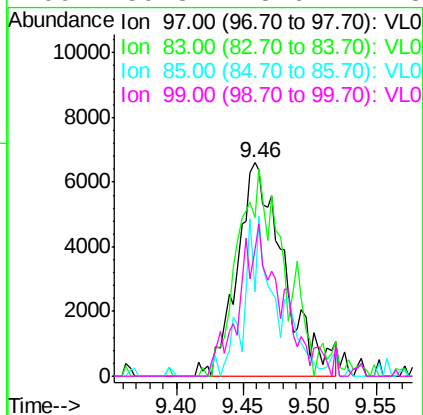
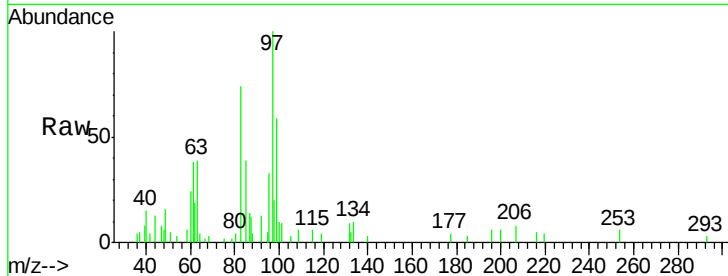
#47
 1,1,2-Trichloroethane
 Concen: 0.116 ppbv m
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		16258		
83	74.0	68.7	103.1		
85	39.3	44.7	67.1#		
99	59.3	48.6	72.8		

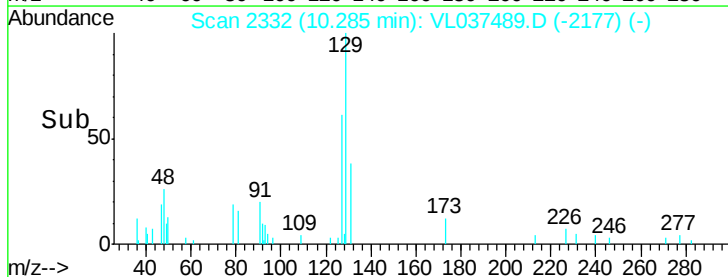
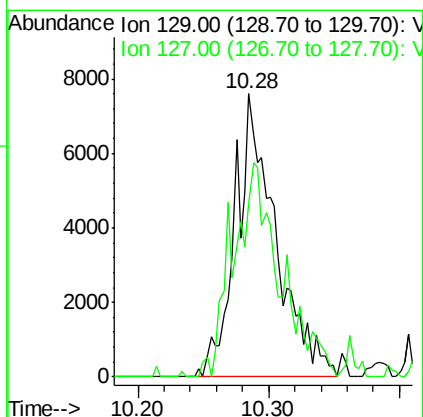
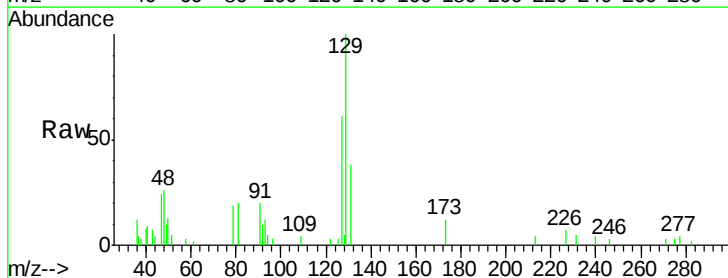
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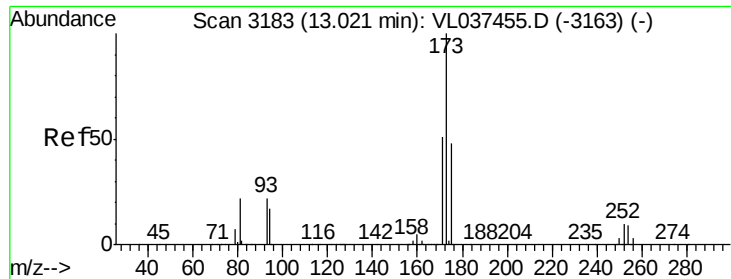
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.081 ppbv m
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		16235		
127	0.0	40.0	120.0#		





#49

Bromoform

Concen: 0.075 ppbv m

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

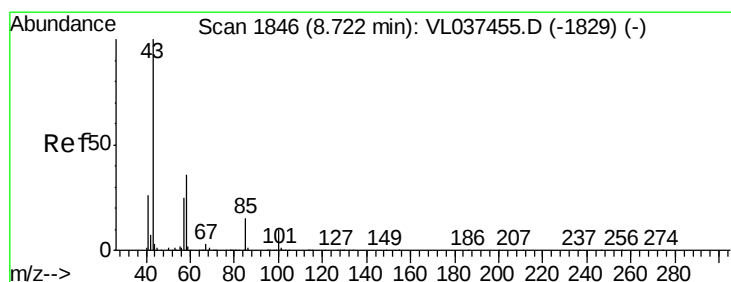
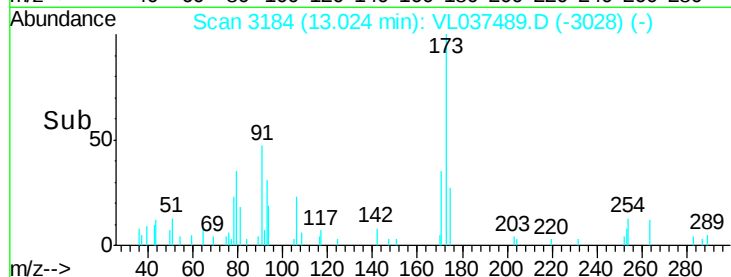
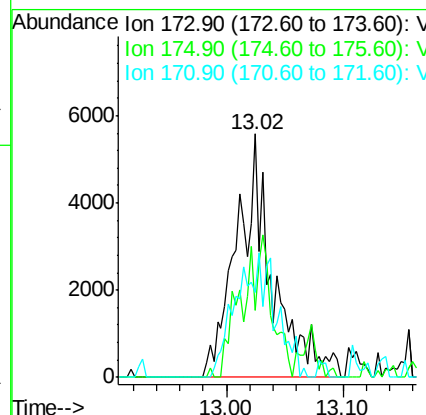
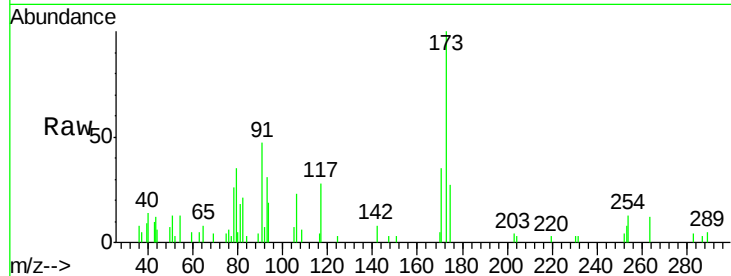
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	173	Resp:	11858
Ion Ratio	Lower	Upper	
173	100		
175	48.4	41.9	62.9
171	56.6	44.2	66.4

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#50

4-Methyl-2-Pentanone

Concen: 0.102 ppbv m

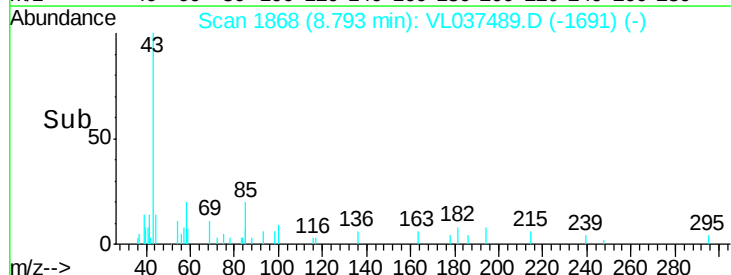
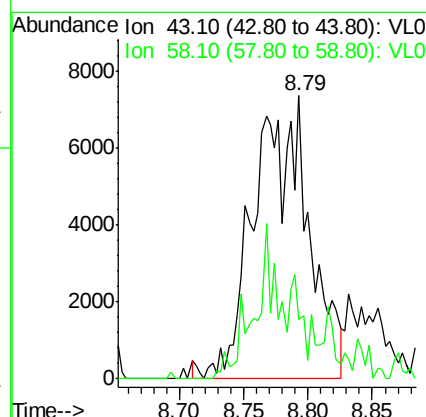
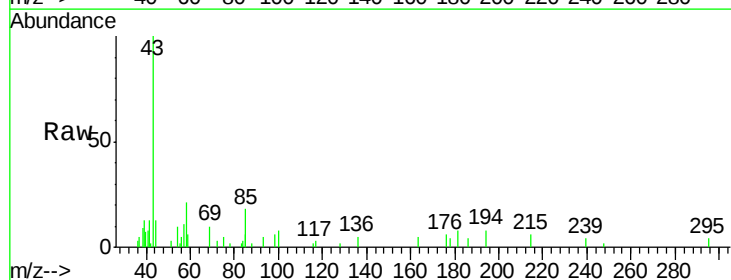
RT: 8.79 min Scan# 1868

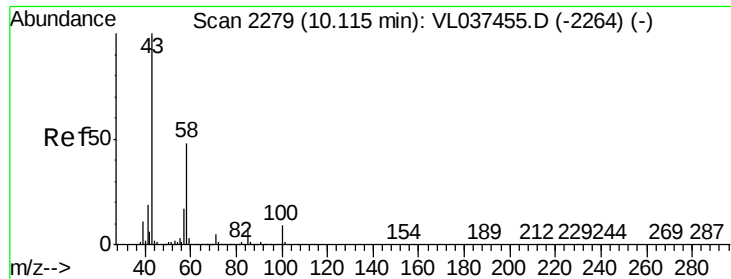
Delta R.T. 0.07 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion:	43	Resp:	21662
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.9	44.9#





#51

2-Hexanone

Concen: 0.100 ppbv m

RT: 10.16 min Scan# 2293

Delta R.T. 0.04 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

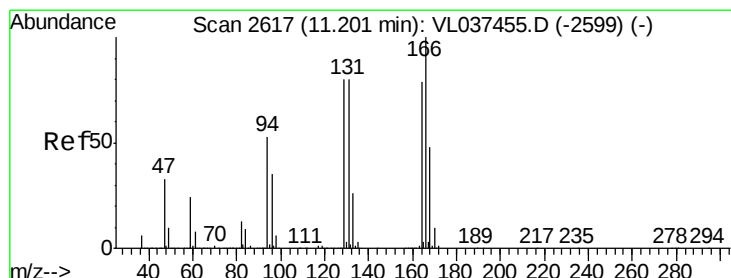
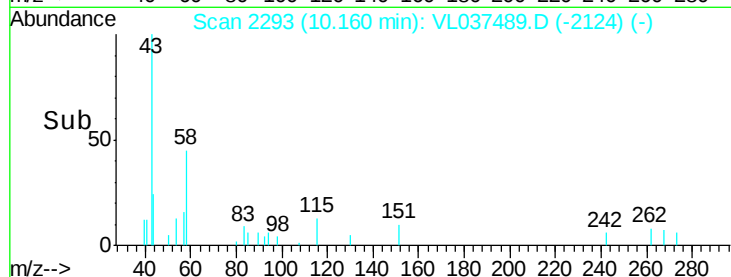
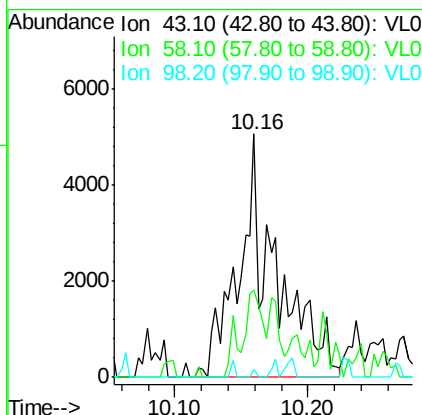
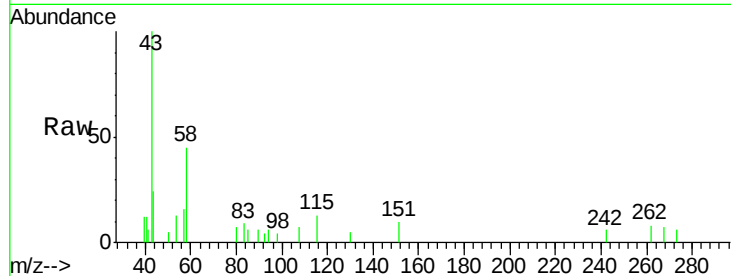
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	43	Resp:	9809
Ion Ratio	Lower	Upper	
43	100		
58	0.0	41.0	61.6#
98	0.0	0.3	0.5#

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#52

Tetrachloroethene

Concen: 0.117 ppbv m

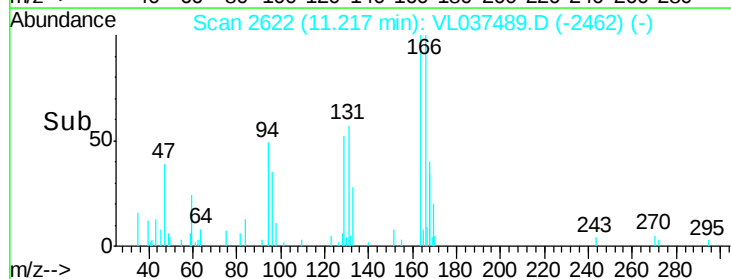
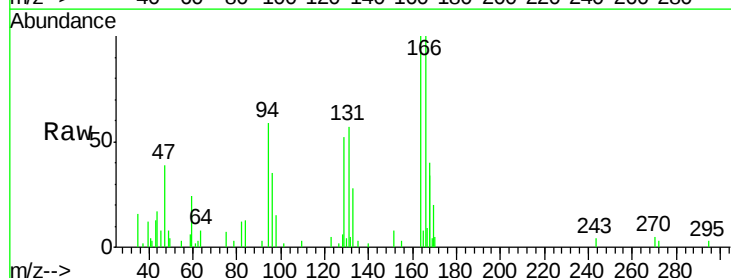
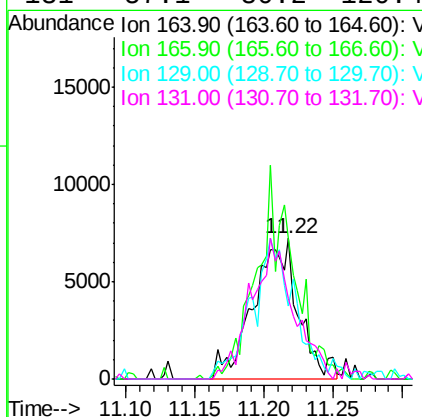
RT: 11.22 min Scan# 2622

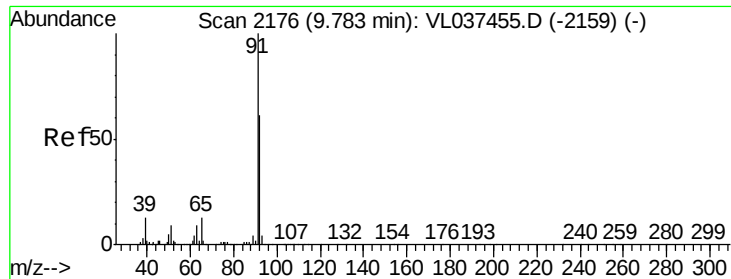
Delta R.T. 0.02 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion:	164	Resp:	16155
Ion Ratio	Lower	Upper	
164	100		
166	100.0	100.7	151.1#
129	51.8	80.9	121.3#
131	57.1	80.2	120.4#





#53

Toluene

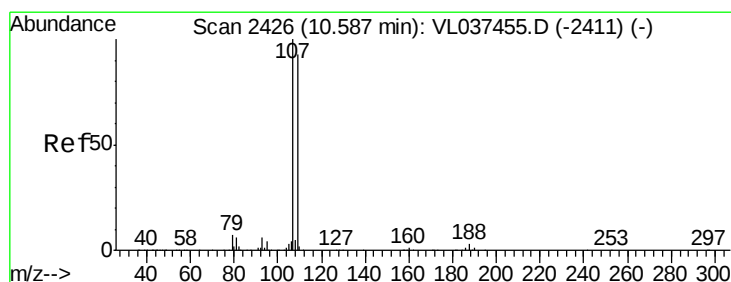
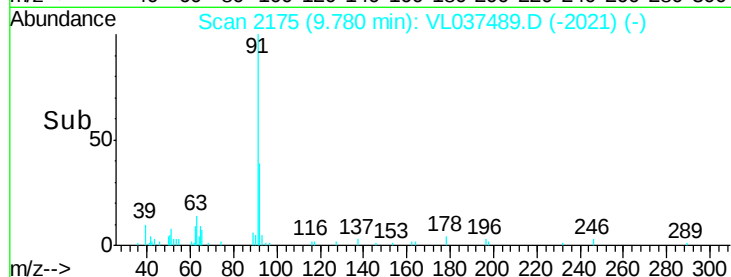
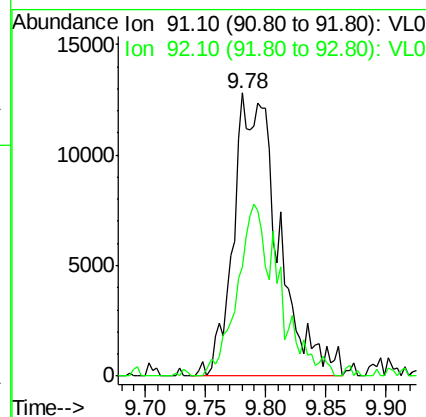
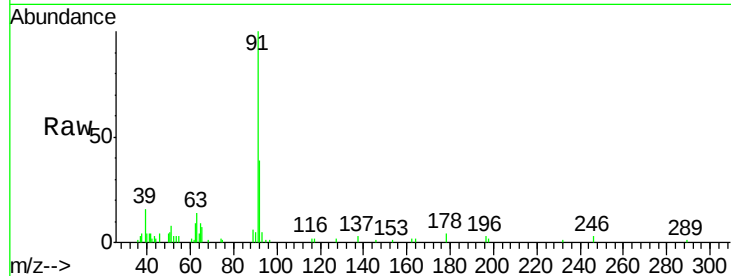
Concen: 0.087 ppbv m
RT: 9.78 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.3	48.8	73.2

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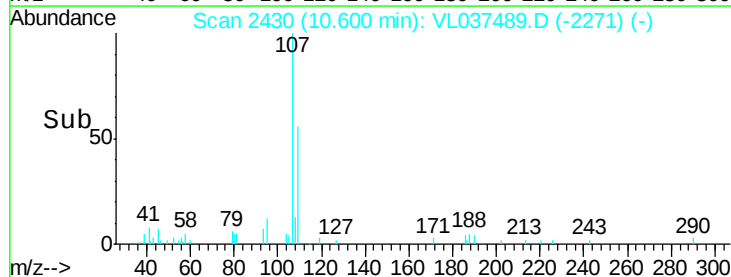
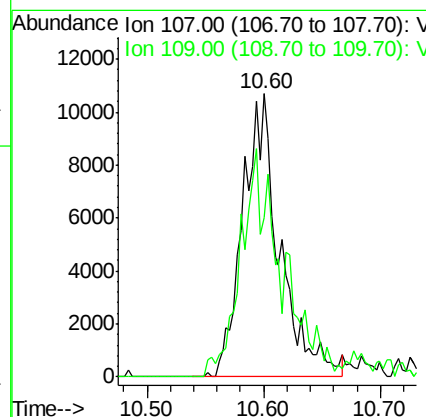
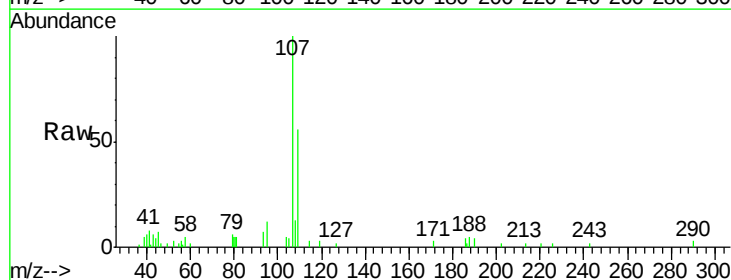


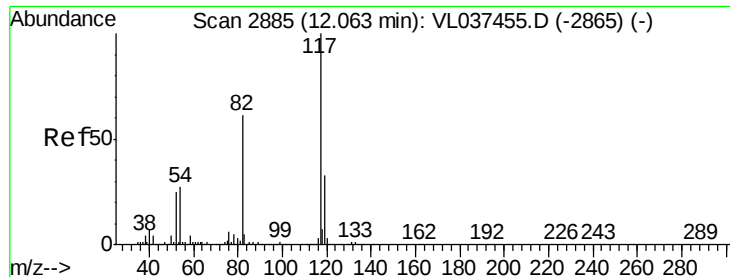
#54

1,2-Dibromoethane

Concen: 0.119 ppbv m
RT: 10.60 min Scan# 2430
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Lower	Upper
107	100		
109	56.2	74.2	111.4





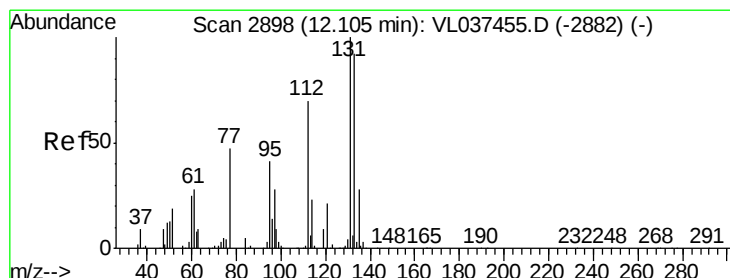
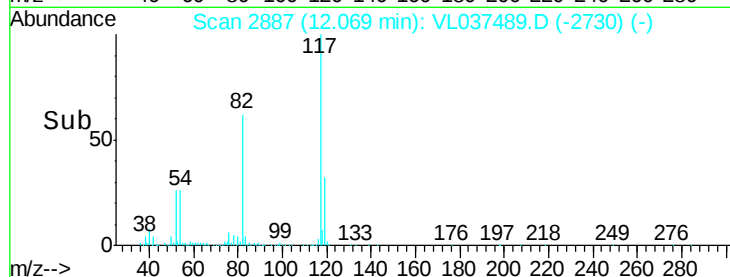
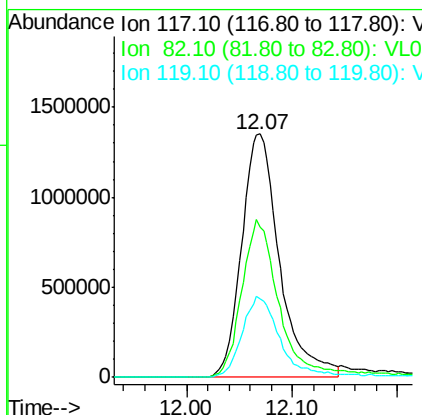
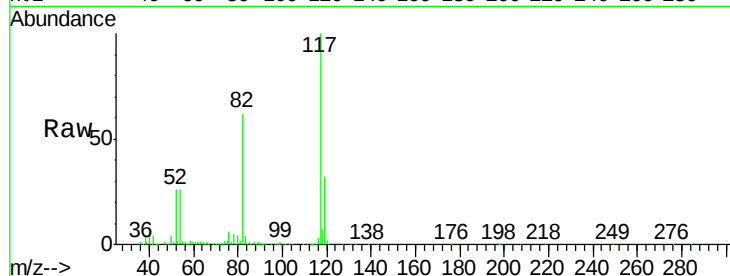
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.8	52.9	79.3
119	35.0	24.8	37.2

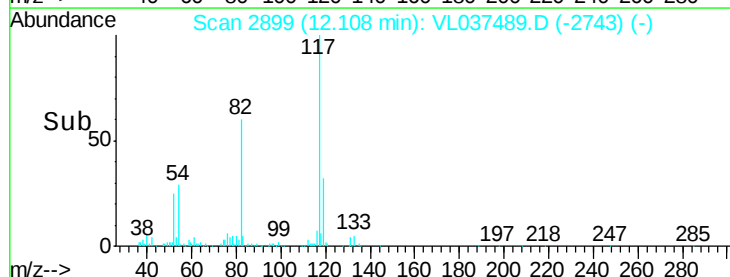
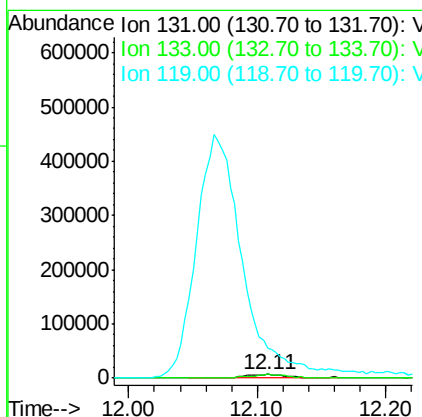
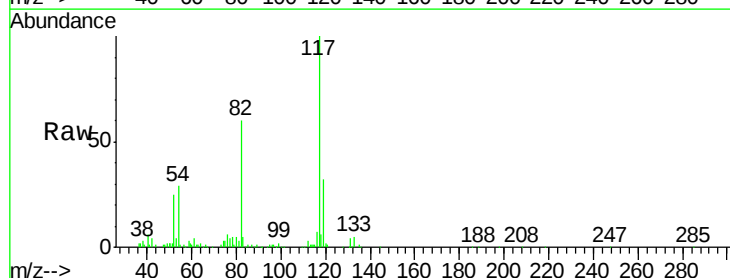
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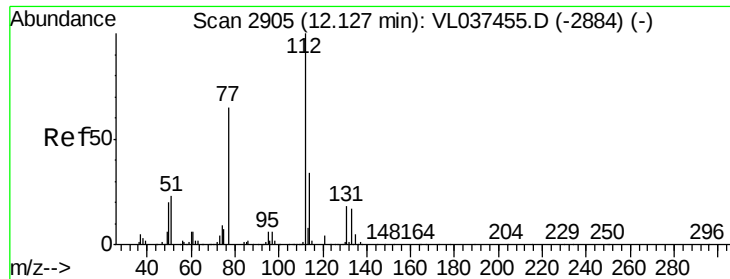
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.116 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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





#57

Chlorobenzene

Concen: 0.121 ppbv m

RT: 12.13 min Scan# 2907

Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

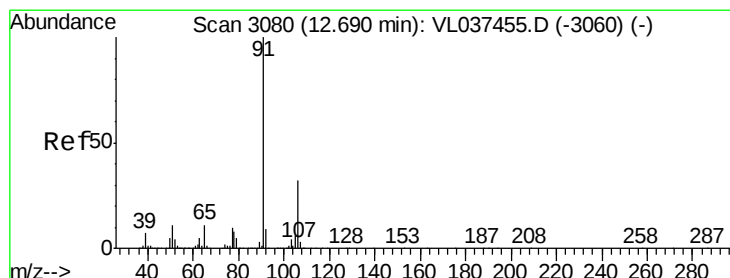
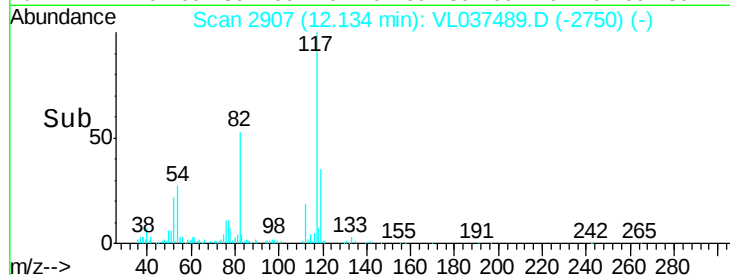
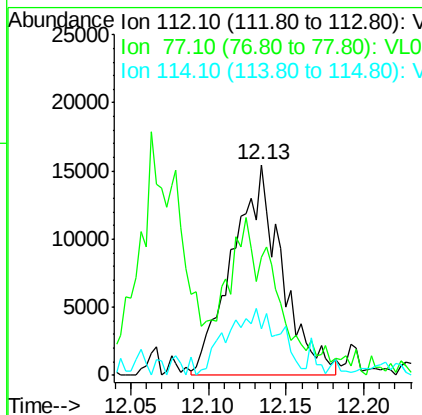
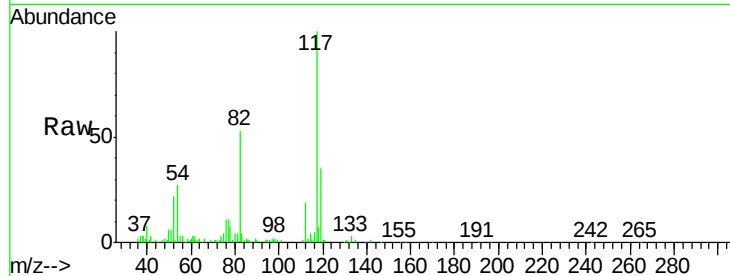
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
112	100		
77	55.7	51.6	77.4
114	21.8	30.7	37.5#

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.084 ppbv m

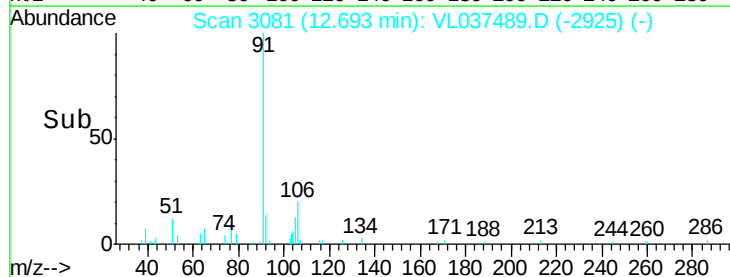
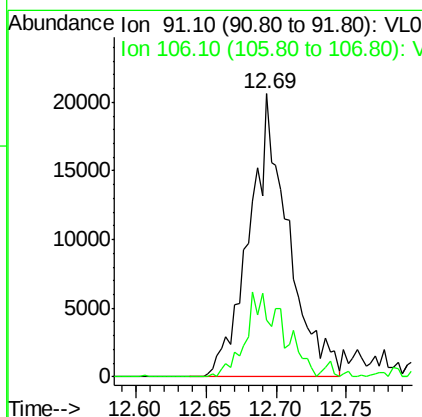
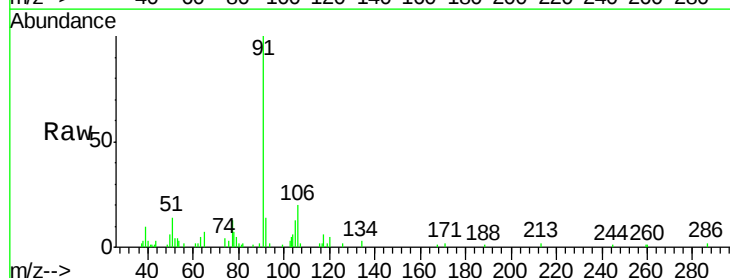
RT: 12.69 min Scan# 3081

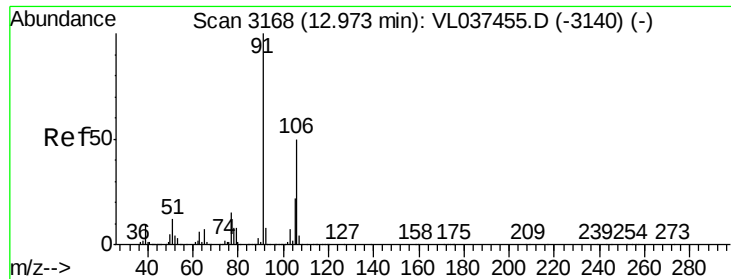
Delta R.T. 0.00 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	19.9	25.7	38.5#





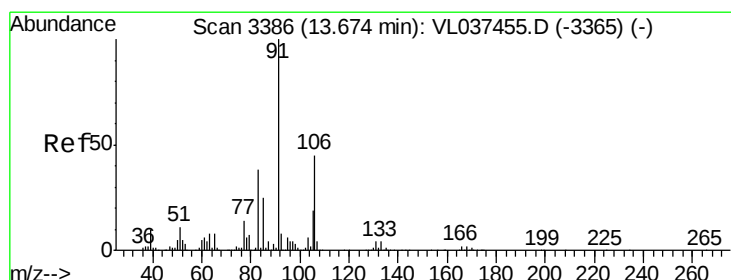
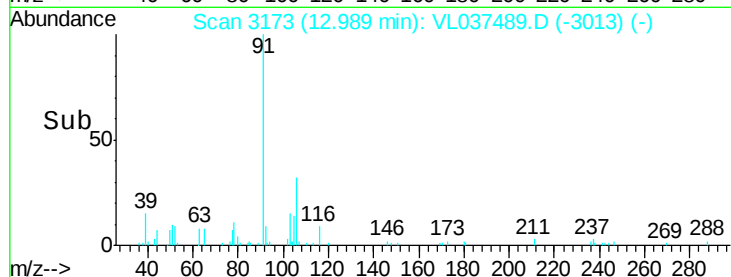
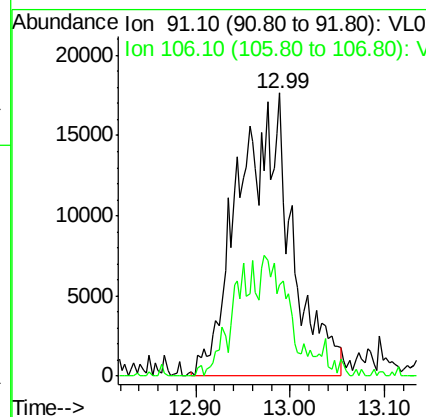
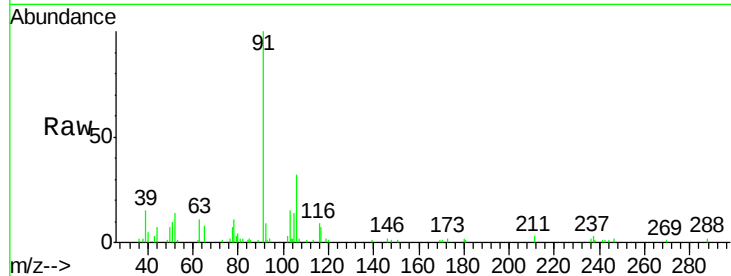
#59
m/p-Xylene
Concen: 0.169 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.02 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion: 91 Resp: 68926
Ion Ratio Lower Upper
91 100
106 43.4 36.9 55.3

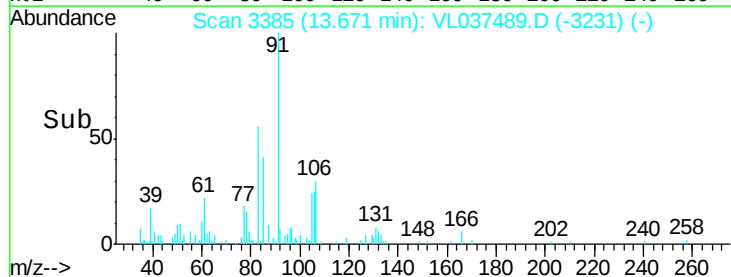
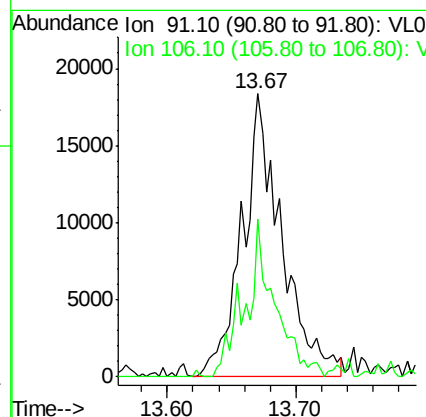
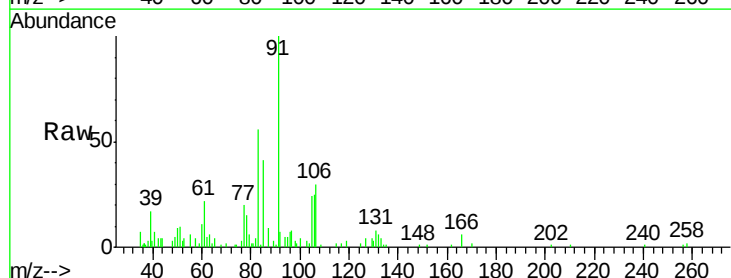
Manual Integrations
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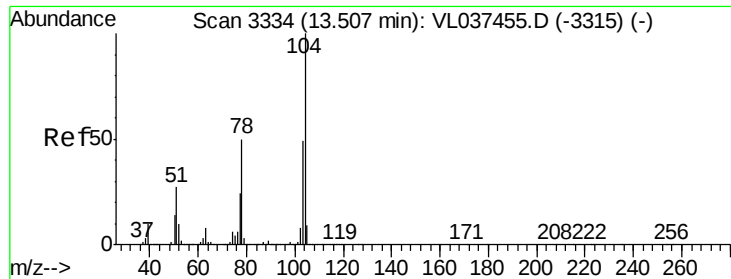
MMDadoda
8/19/2021 5:57:52 PM



#60
o-Xylene
Concen: 0.102 ppbv m
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion: 91 Resp: 38880
Ion Ratio Lower Upper
91 100
106 42.4 23.7 71.1





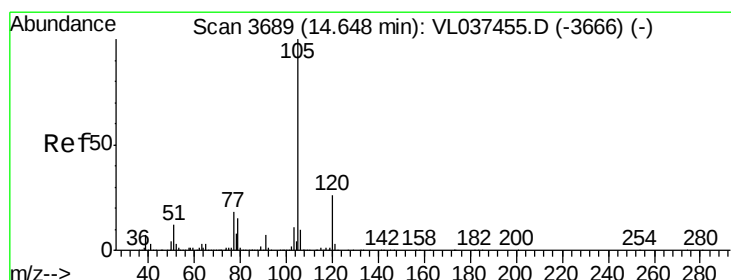
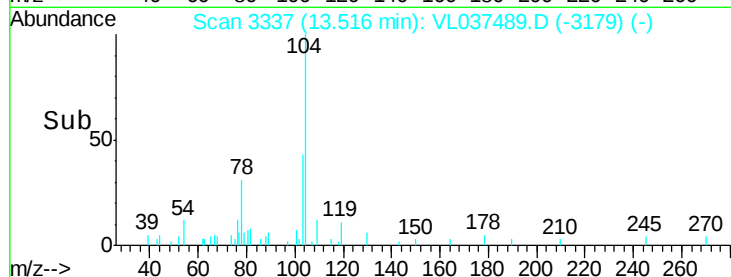
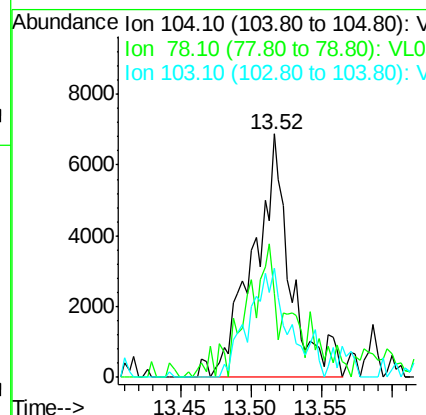
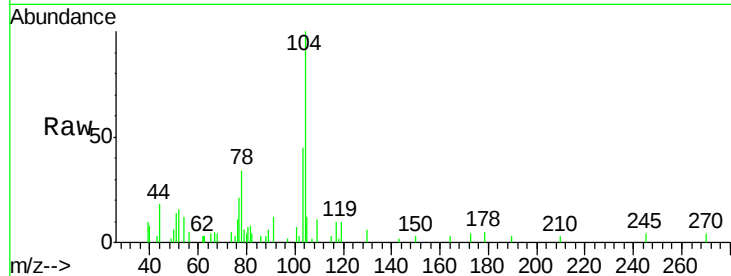
#61
Stvrene
Concen: 0.064 ppbv m
RT: 13.52 min Scan# 3337
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	67.4	41.3	61.9#
103	54.7	39.4	59.0

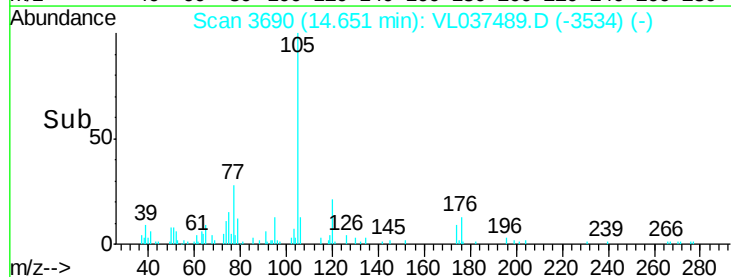
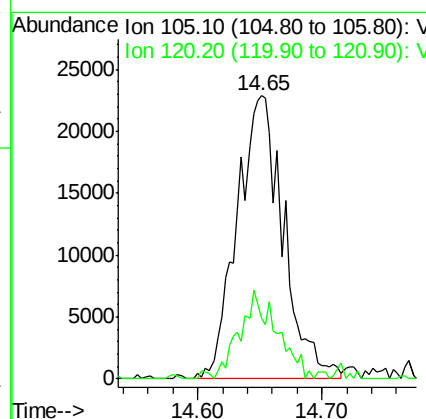
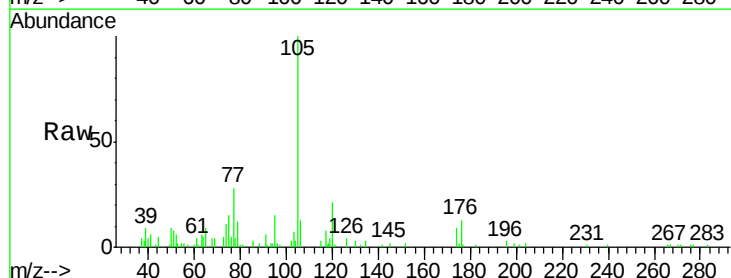
Manual Integrations
APPROVED

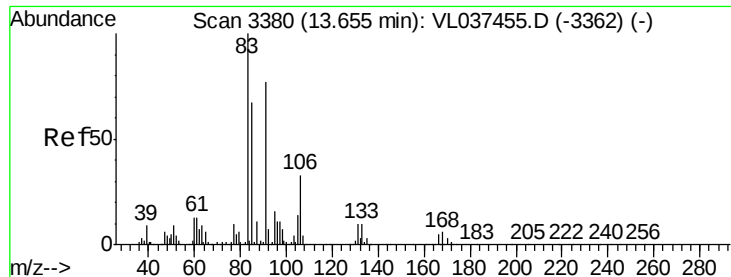
MMDadoda
8/19/2021 5:57:52 PM



#62
Isopropylbenzene
Concen: 0.110 ppbv m
RT: 14.65 min Scan# 3690
Delta R.T. 0.00 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.5	32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.122 ppbv m

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 83 Resp: 34596

Ion Ratio Lower Upper

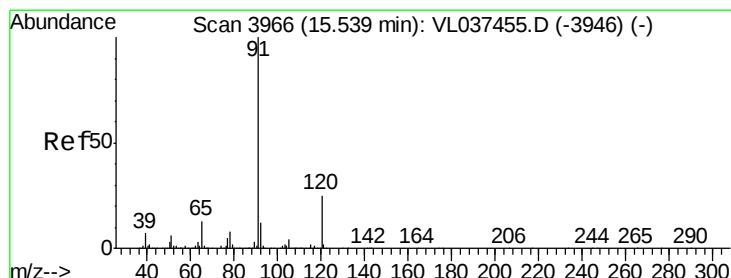
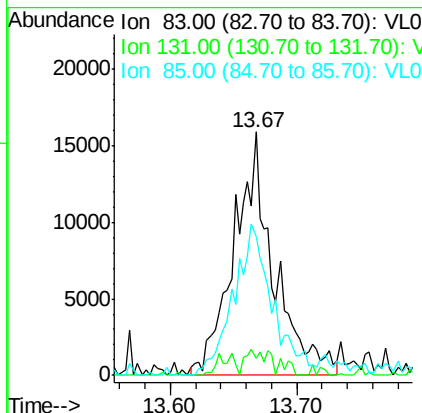
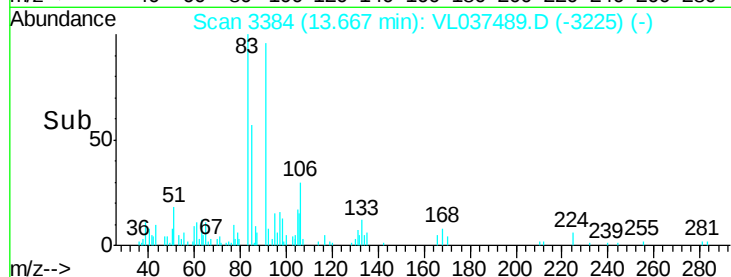
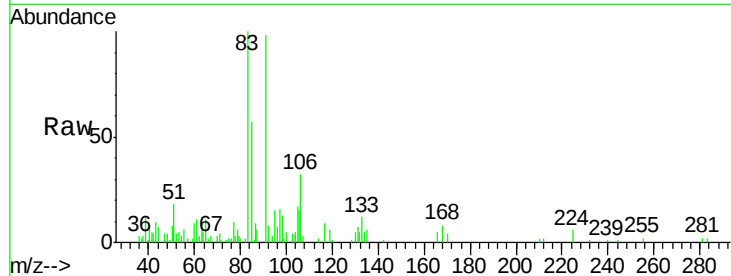
83 100

131 0.0 5.0 15.0#

85 0.0 33.8 101.3#

Manual Integrations
APPROVED

MMDadoda
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#64

n-propylbenzene

Concen: 0.095 ppbv m

RT: 15.55 min Scan# 3971

Delta R.T. 0.02 min

Lab File: VL037489.D

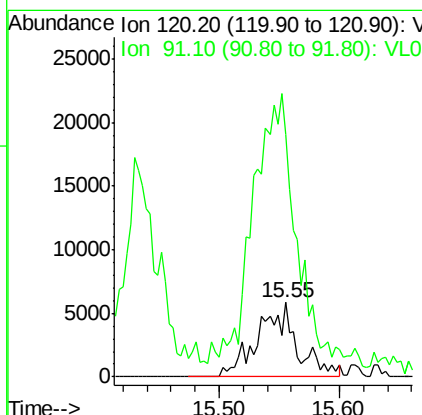
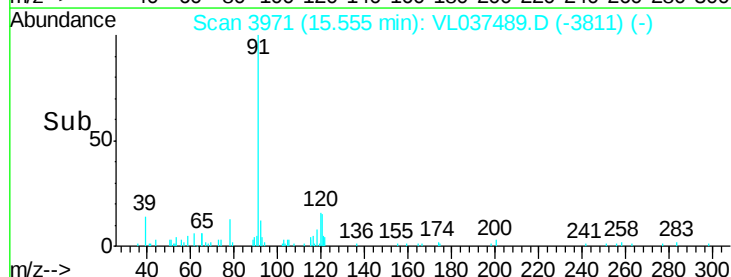
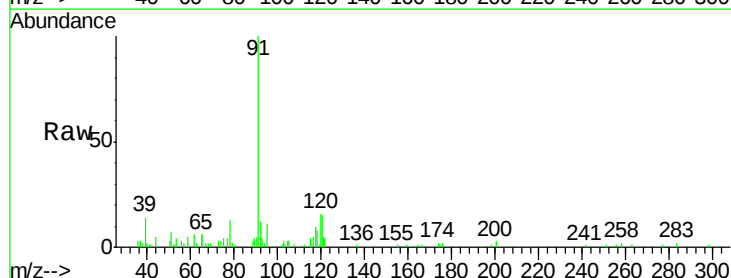
Acq: 18 Aug 2021 13:35

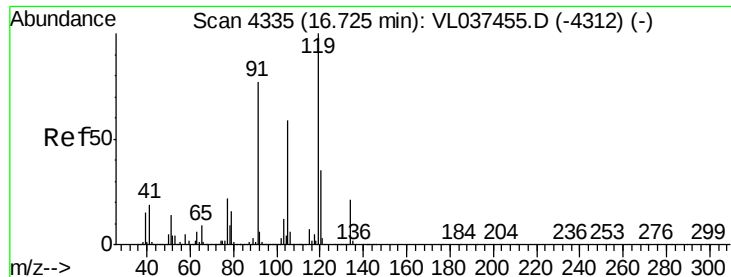
Tgt Ion: 120 Resp: 12992

Ion Ratio Lower Upper

120 100

91 0.0 373.8 560.6#





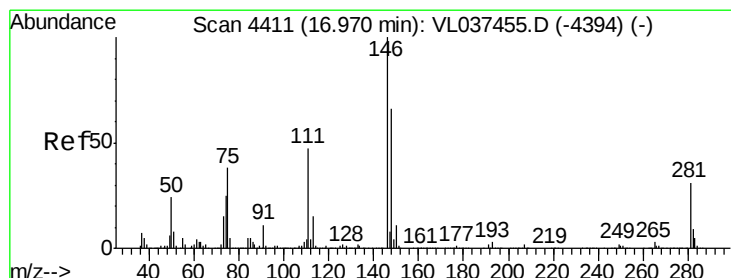
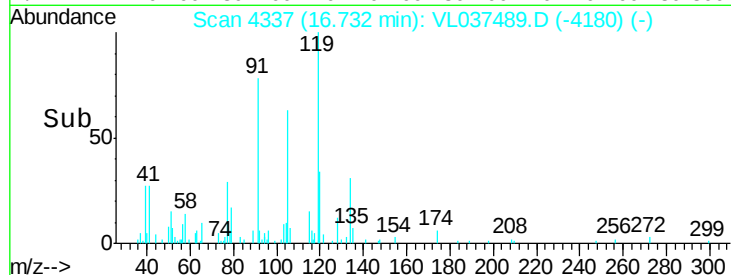
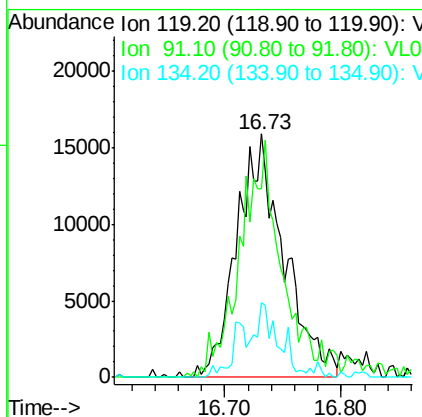
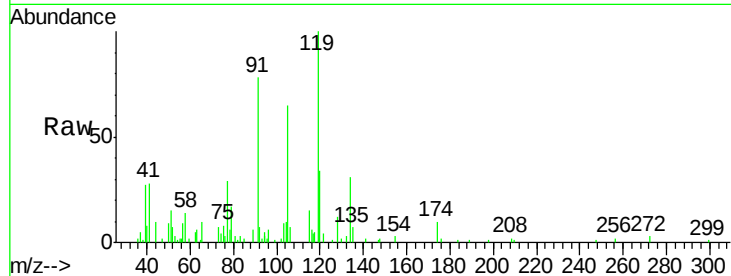
#65
tert-Butylbenzene
Concen: 0.091 ppbv m
RT: 16.73 min Scan# 4337
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	44483		
91	92.0	62.9	94.3	
134	23.4	16.4	24.6	

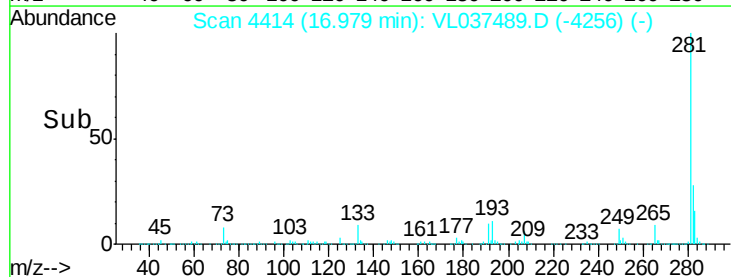
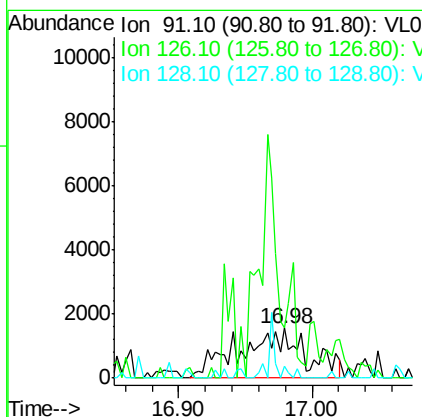
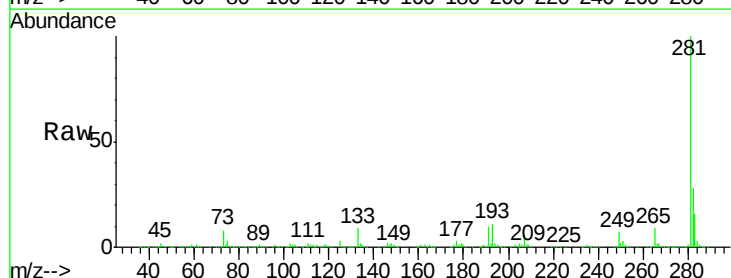
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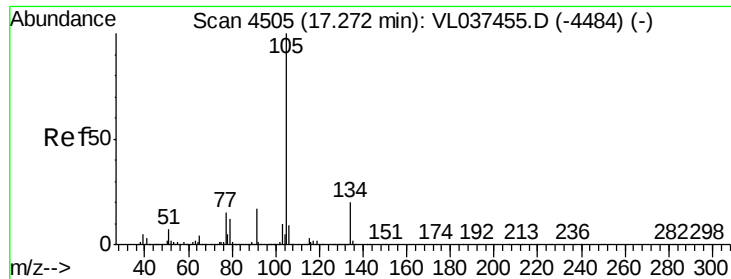
MMDadoda
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#66
Benzyl Chloride
Concen: 0.239 ppbv m
RT: 16.98 min Scan# 4414
Delta R.T. 0.01 min
Lab File: VL037489.D
Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	5287		
126	0.0	15.9	23.9#	
128	0.0	5.4	8.0#	





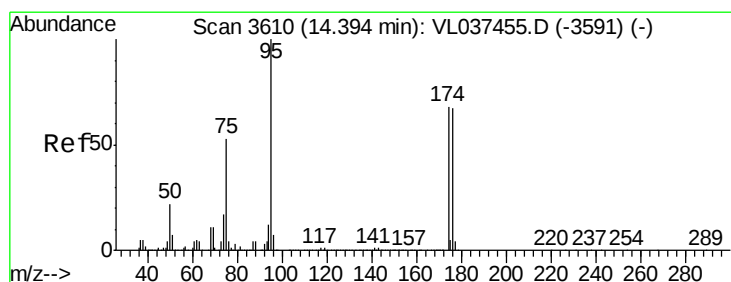
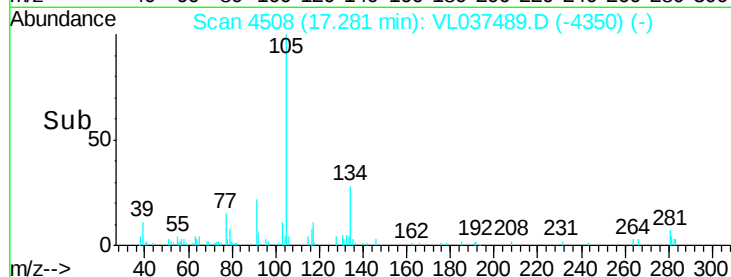
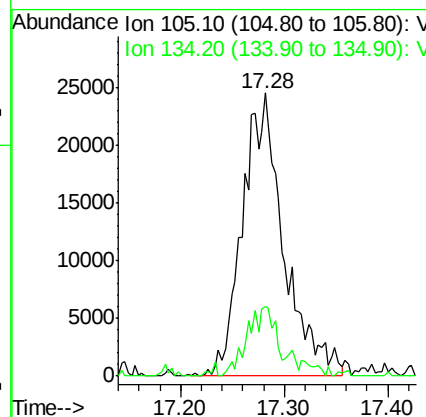
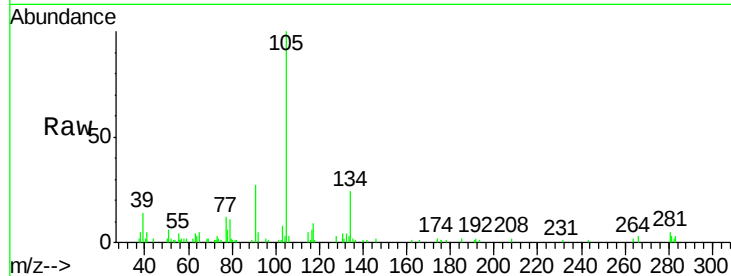
#67
 sec-Butylbenzene
 Concen: 0.099 ppbv m
 RT: 17.28 min Scan# 4508
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

Tot Ion: 105 Resp: 67917
 Ion Ratio Lower Upper
 105 100
 134 21.5 15.2 22.8

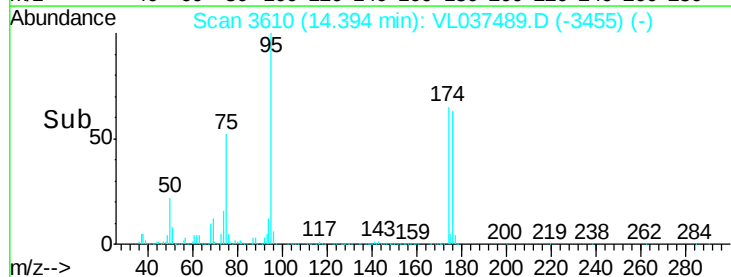
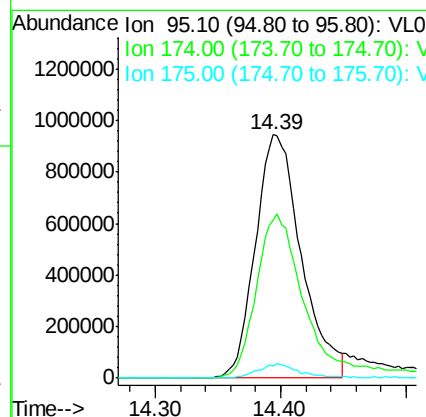
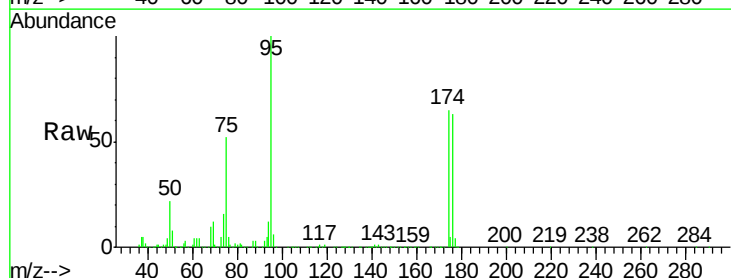
Manual Integrations
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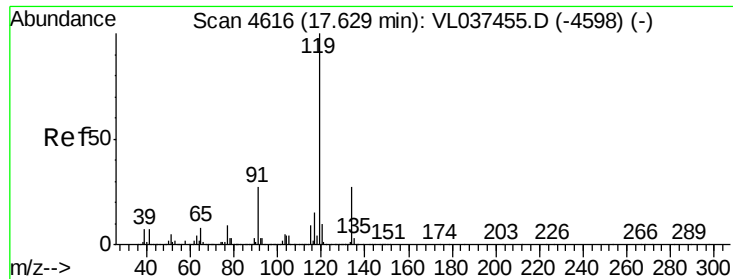
MMDadoda
 8/19/2021 5:57:52 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.938 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

Tgt Ion: 95 Resp: 2397204
 Ion Ratio Lower Upper
 95 100
 174 76.1 59.6 89.4
 175 5.6 4.6 7.0





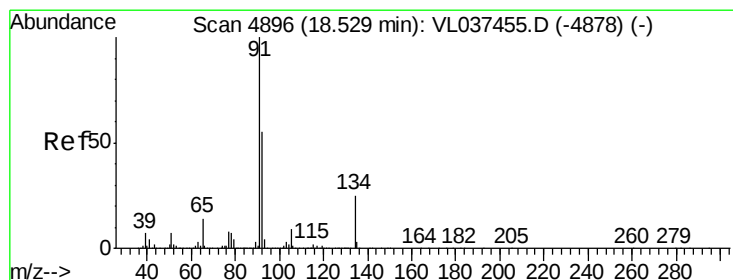
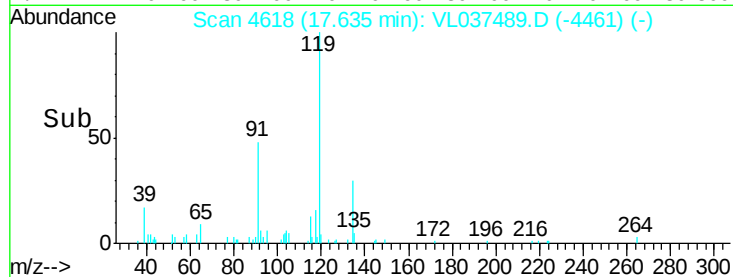
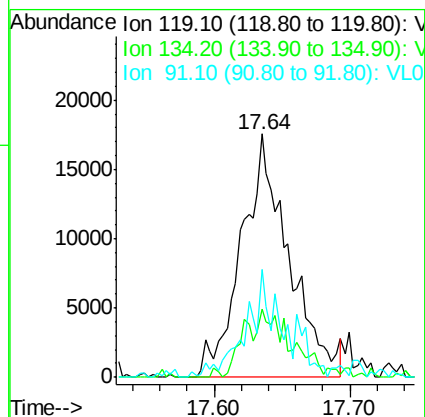
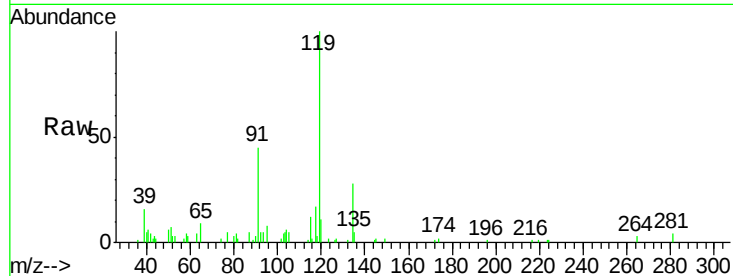
#69
 p-Isopropyltoluene
 Concen: 0.076 ppbv m
 RT: 17.64 min Scan# 4616
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

Tot Ion:	119	Resp:	42406
Ion Ratio	Lower	Upper	
119	100		
134	29.5	21.1	31.7
91	36.4	22.4	33.6#

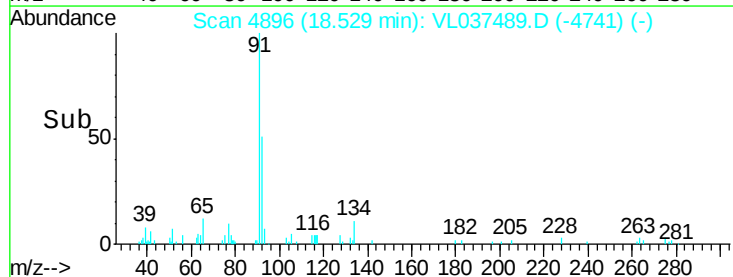
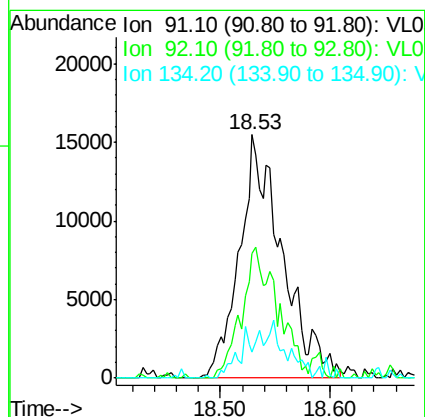
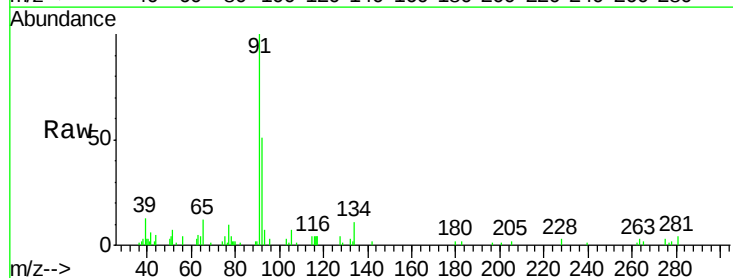
Manual Integrations
 APPROVED

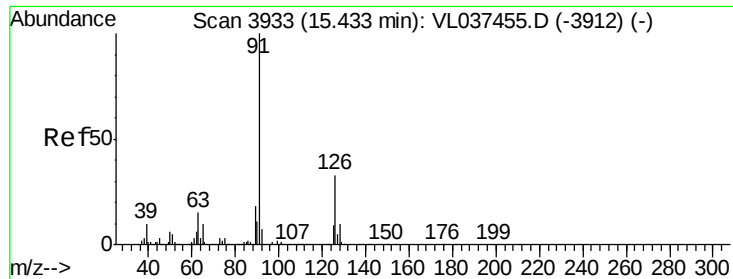
MMDadoda
 8/19/2021 5:57:52 PM



#70
 n-Butylbenzene
 Concen: 0.078 ppbv m
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

Tgt Ion:	91	Resp:	41676
Ion Ratio	Lower	Upper	
91	100		
92	0.0	44.0	66.0#
134	0.0	19.5	29.3#





#71

2-Chlorotoluene

Concen: 0.088 ppbv m

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 91 Resp: 34753

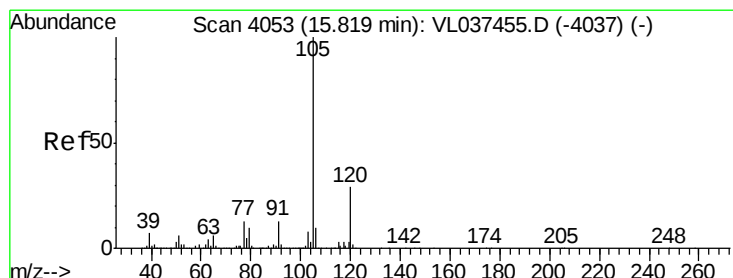
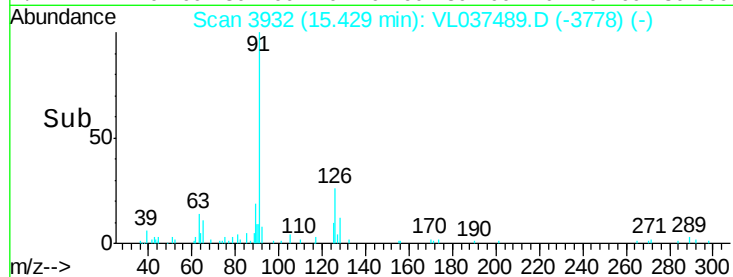
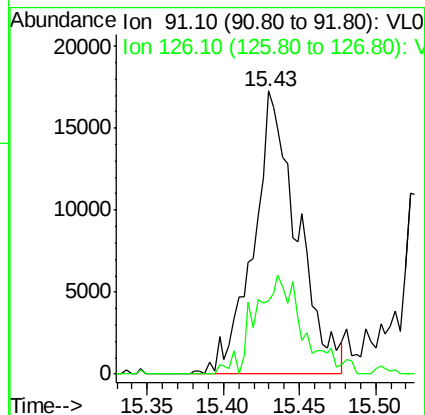
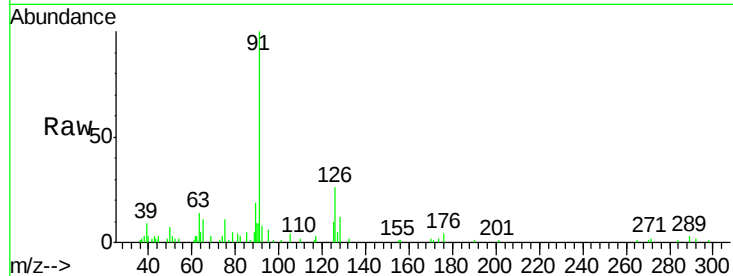
Ion Ratio Lower Upper

91 100

126 39.1 13.6 54.4

Manual Integrations
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#72

4-Ethyltoluene

Concen: 0.080 ppbv m

RT: 15.82 min Scan# 4054

Delta R.T. 0.00 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion: 105 Resp: 36413

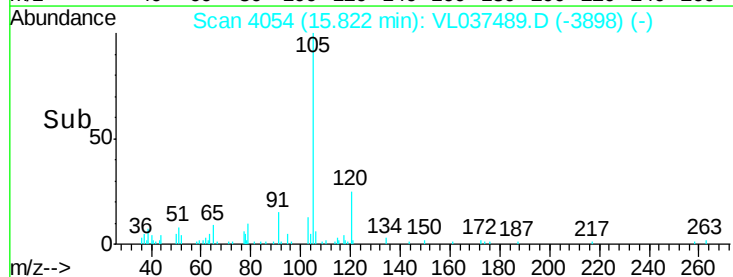
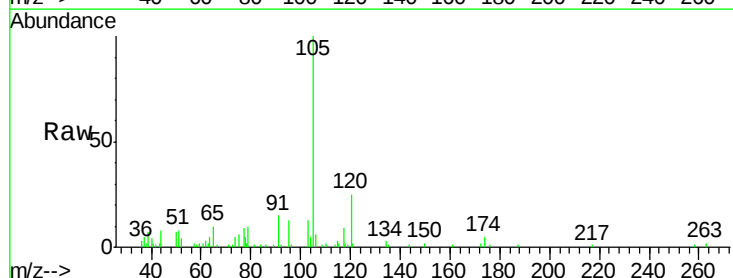
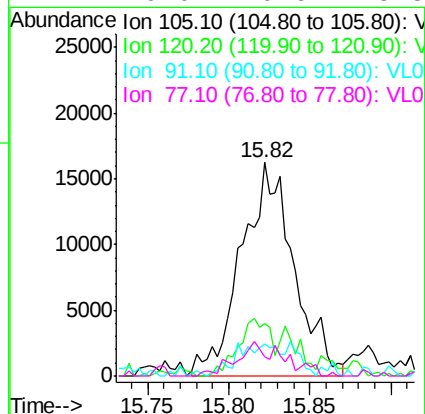
Ion Ratio Lower Upper

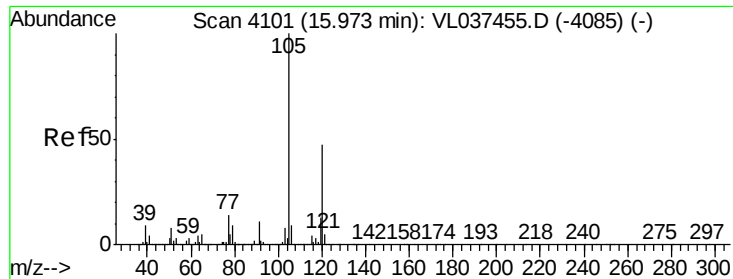
105 100

120 0.0 24.7 37.1#

91 0.0 9.8 14.8#

77 0.0 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.085 ppbv m

RT: 15.97 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:105 Resp: 36016

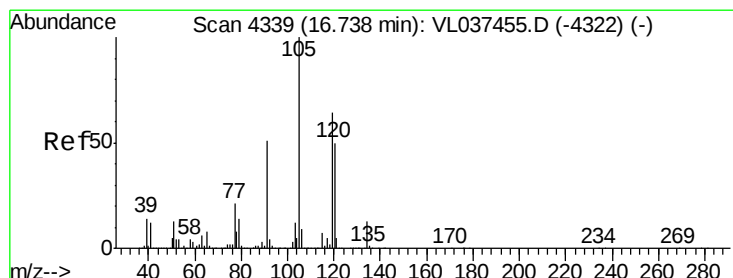
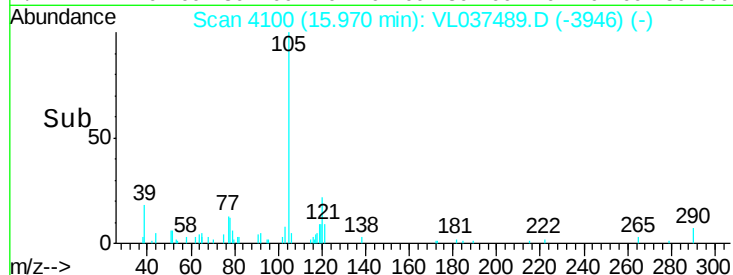
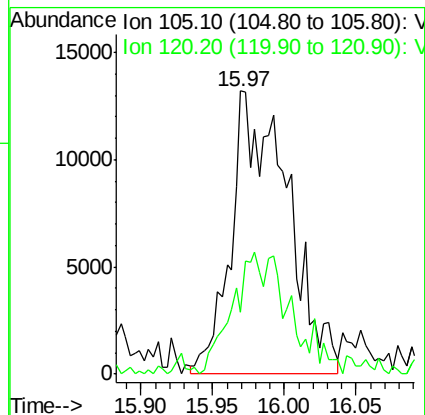
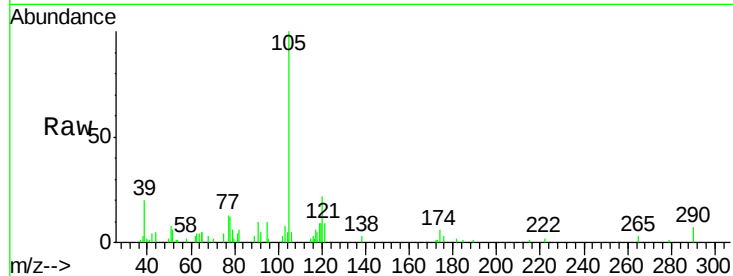
Ion Ratio Lower Upper

105 100

120 21.9 37.6 56.4#

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 0.079 ppbv m

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion:105 Resp: 35604

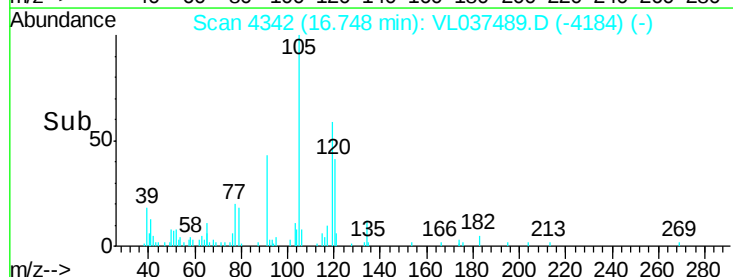
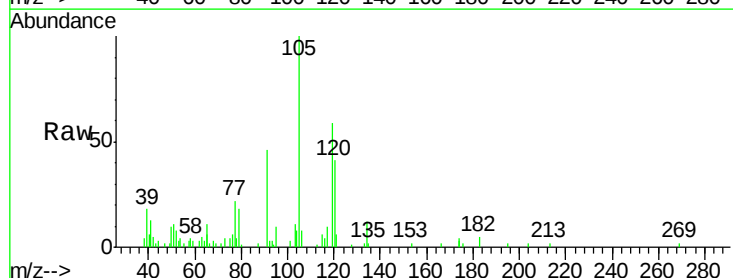
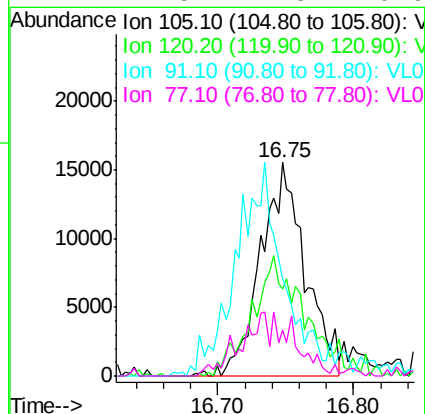
Ion Ratio Lower Upper

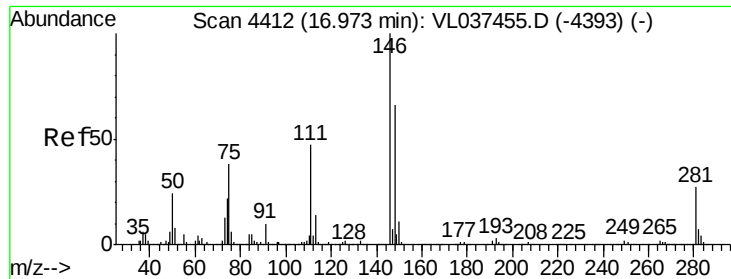
105 100

120 40.6 40.4 60.6

91 45.9 44.6 67.0

77 21.5 17.8 26.6





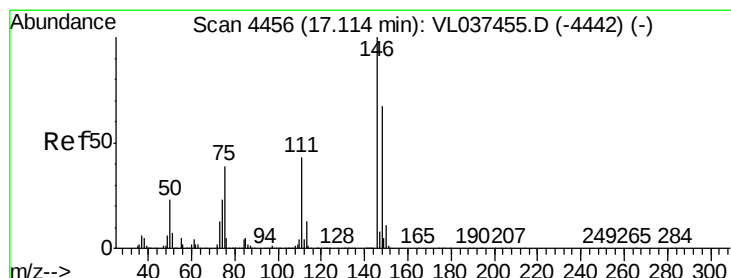
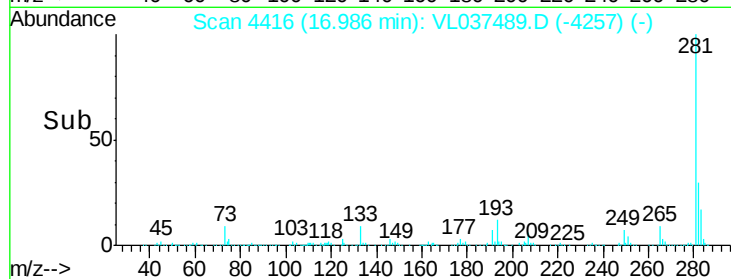
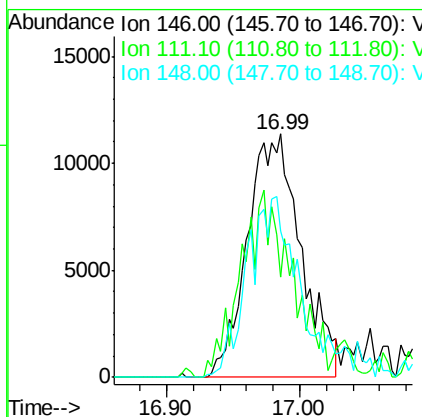
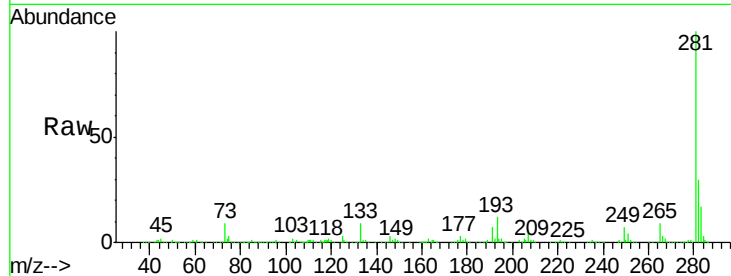
#75
 1,3-Dichlorobenzene
 Concen: 0.118 ppbv m
 RT: 16.99 min Scan# 4416
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.0#
148	74.6	33.1	99.5

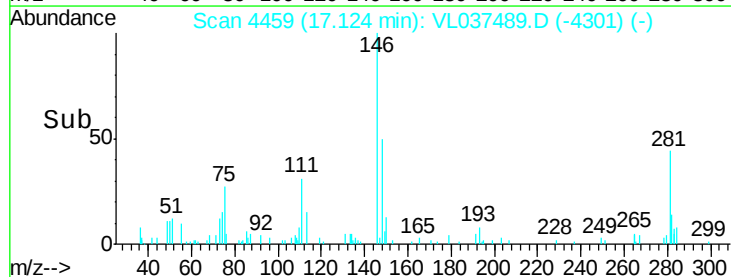
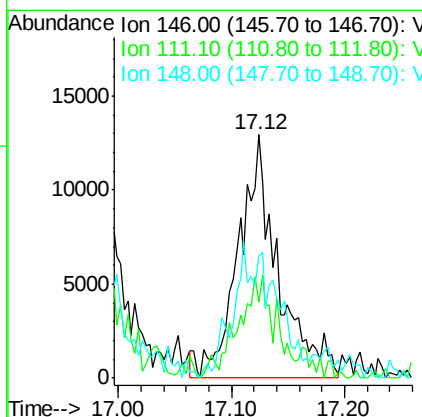
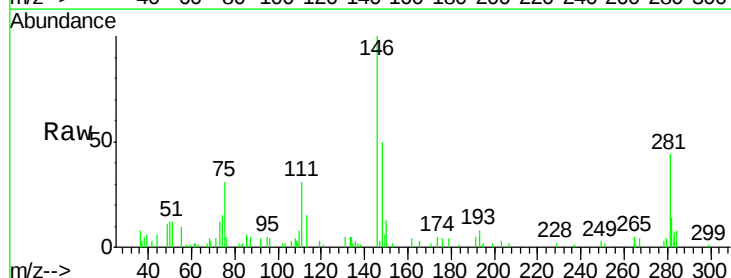
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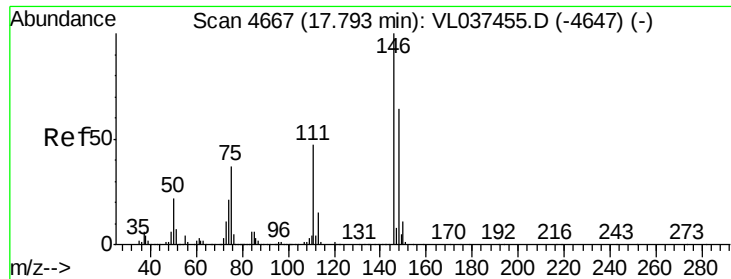
MMDadoda
 8/19/2021 5:57:52 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.115 ppbv m
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.1	66.5
148	0.0	32.4	97.0#





#77

1,2-Dichlorobenzene

Concen: 0.108 ppbv m

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

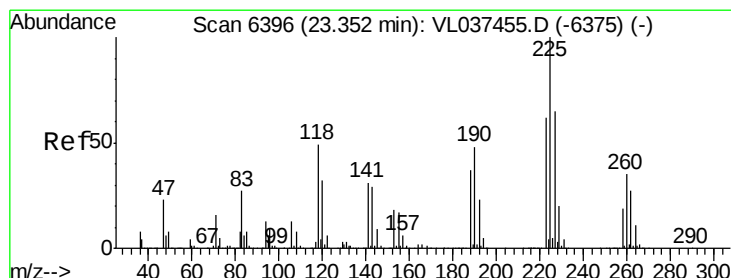
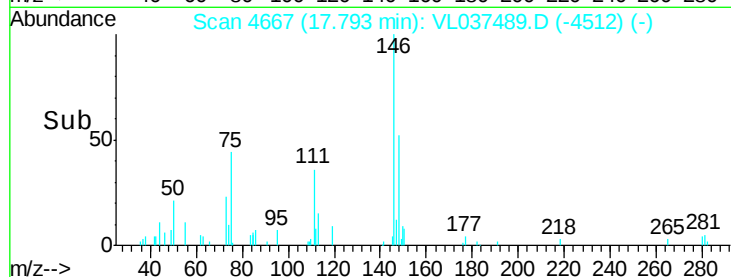
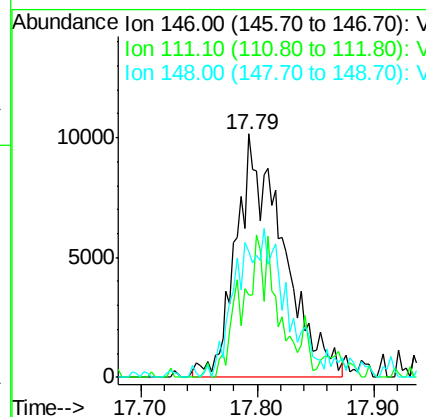
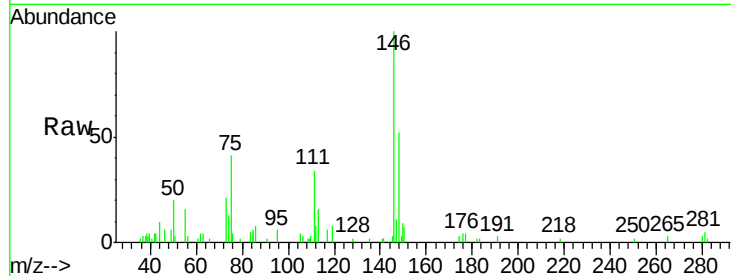
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	146	Resp:	28635
Ion Ratio	Lower	Upper	
146	100		
111	51.8	23.4	70.3
148	70.8	32.5	97.5

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#78

Hexachloro-1,3-Butadiene

Concen: 0.125 ppbv m

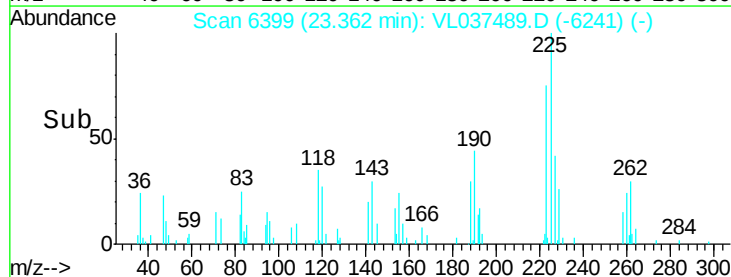
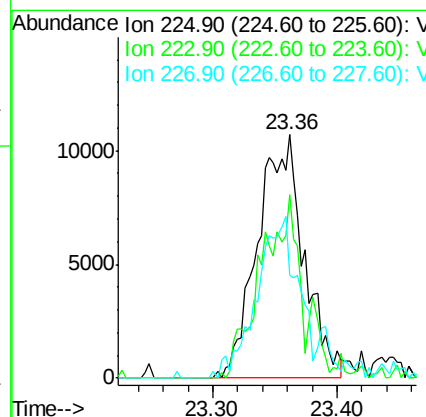
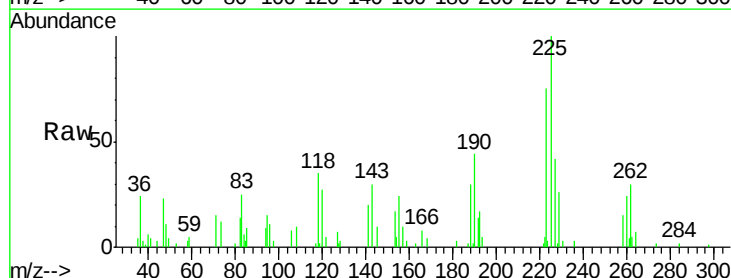
RT: 23.36 min Scan# 6399

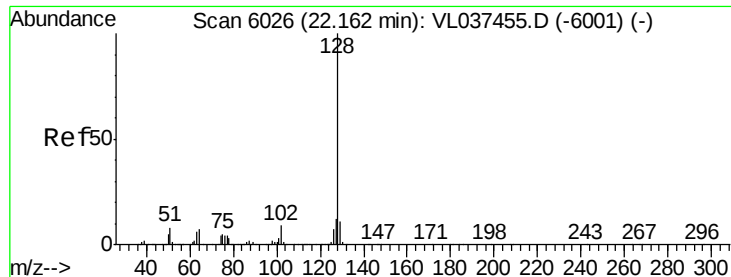
Delta R.T. 0.01 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion:	225	Resp:	27547
Ion Ratio	Lower	Upper	
225	100		
223	71.4	51.4	77.0
227	67.4	52.9	79.3





#79

Naphthalene

Concen: 0.052 ppbv m

RT: 22.19 min Scan# 6034

Delta R.T. 0.03 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Instrument :

MSVOA_L

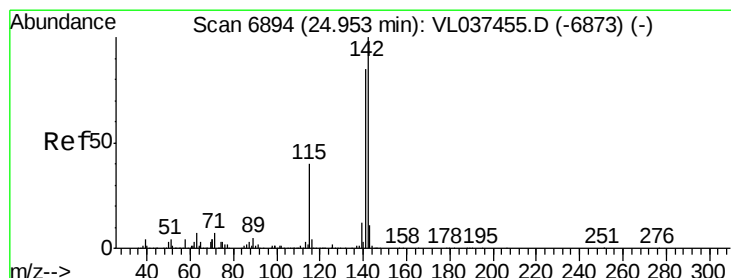
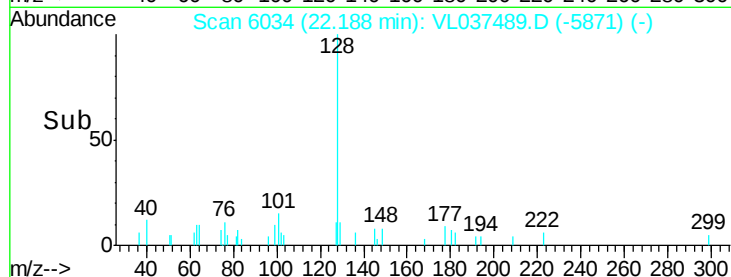
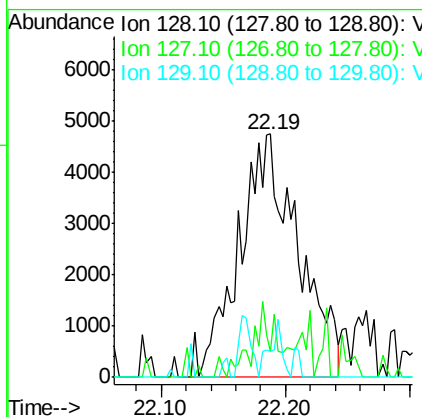
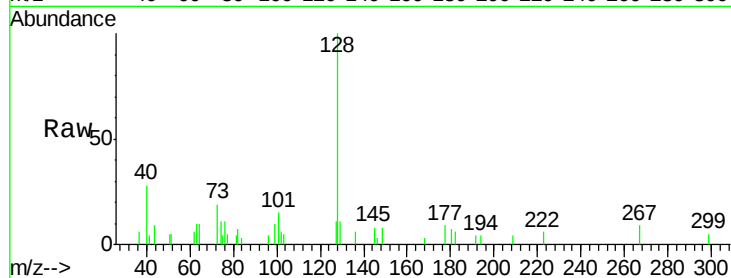
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	128	Resp:	15700
Ion Ratio	Lower	Upper	
128	100		
127	10.7	9.4	14.2
129	10.6	8.8	13.2

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#80

Naphthalene, 2-methyl-

Concen: 0.045 ppbv m

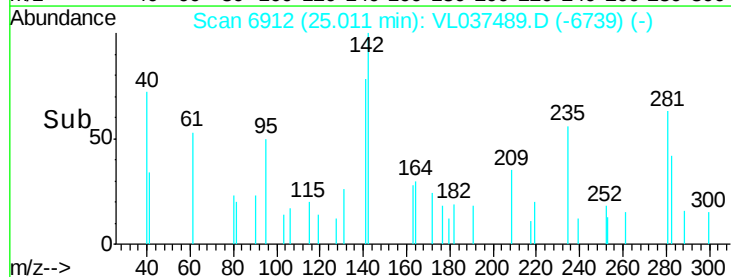
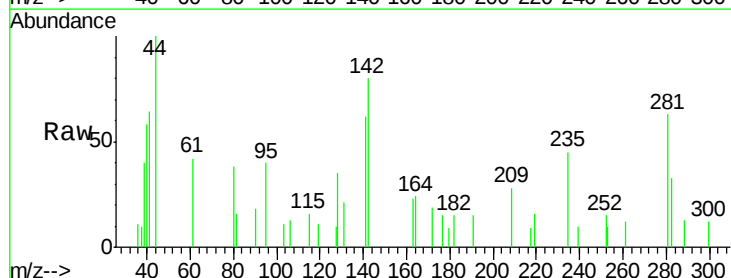
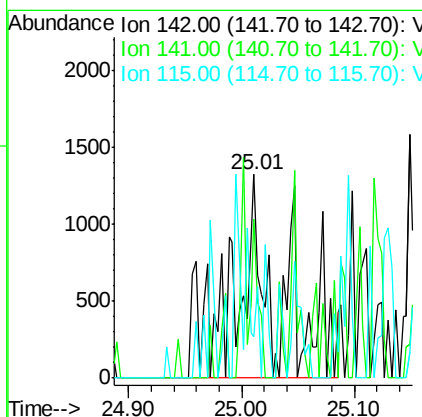
RT: 25.01 min Scan# 6912

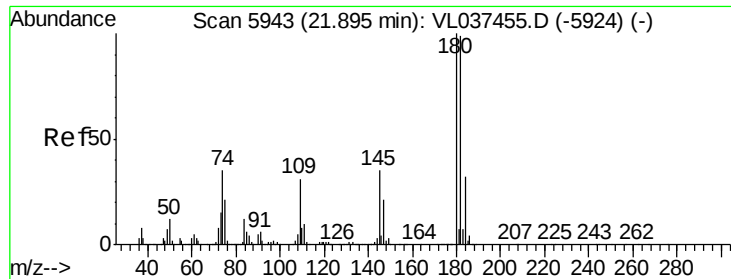
Delta R.T. 0.06 min

Lab File: VL037489.D

Acq: 18 Aug 2021 13:35

Tgt Ion:	142	Resp:	3752
Ion Ratio	Lower	Upper	
142	100		
141	0.0	64.7	97.1#
115	4.0	28.4	42.6#





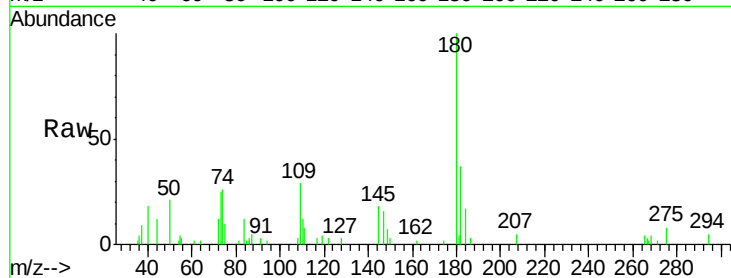
#81
 1,2,4-Trichlorobenzene
 Concen: 0.080 ppbv m
 RT: 21.91 min Scan# 5946
 Delta R.T. 0.01 min
 Lab File: VL037489.D
 Acq: 18 Aug 2021 13:35

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

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

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

