

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037483.D
 Acq On : 17 Aug 2021 5:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:59:58 PM

Quant Time: Aug 17 08:21:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 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	1455653	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4282210	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4001128m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2904417	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2203346	9.434	ppbv	98
3) Chlorodifluoromethane	2.98	51	2507080	8.994	ppbv	99
4) Chloromethane	3.13	50	931197	9.349	ppbv	96
5) Vinyl Chloride	3.25	62	953654	9.345	ppbv	98
6) Bromomethane	3.46	94	444554	7.953	ppbv	100
7) Chloroethane	3.55	64	333240	9.568	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	2220164	9.208	ppbv	100
9) Propene	3.00	41	876610	8.790	ppbv	100
10) Heptane	8.11	43	2226142	9.697	ppbv	98
11) Trichlorofluoromethane	3.94	101	2043717	9.322	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1428923	8.882	ppbv	99
13) Ethanol	3.60	45	72641	7.485	ppbv	86
14) Bromoethene	3.73	108	661964	9.064	ppbv	98
15) Acetone	3.84	43	1139116	7.689	ppbv	99
16) 1,3-Butadiene	3.32	39	901704	9.489	ppbv	99
17) tert-Butyl alcohol	4.28	59	1269048	9.377	ppbv	99
18) 1,1-Dichloroethene	4.28	96	663015	9.073	ppbv	97
19) Isopropyl Alcohol	3.96	45	747521	8.808	ppbv #	95
20) Methylene Chloride	4.33	84	566007	7.631	ppbv	97
21) Allyl Chloride	4.40	41	1006516	8.365	ppbv	93
22) trans-1,2-Dichloroethene	4.87	96	635926	8.722	ppbv	97
23) Vinyl Acetate	5.06	43	2186000	10.011	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1656862	10.462	ppbv	99
25) Ethyl Acetate	5.66	43	3438545	9.143	ppbv	99
26) Hexane	5.67	57	1665890	9.060	ppbv	98
27) Carbon Disulfide	4.54	76	1589236	9.698	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1834625	10.389	ppbv	99
29) Chloroform	5.74	83	2422833	9.297	ppbv	99
30) Cyclohexane	7.12	84	1390536	9.076	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1544516	9.281	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2362734	9.228	ppbv	99
34) 2-Butanone	5.23	43	1526116	8.727	ppbv	96
35) Carbon Tetrachloride	7.01	117	2477858	9.791	ppbv	100
36) Benzene	6.88	78	3418298	9.496	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1762936	9.887	ppbv	100
38) Trichloroethene	7.82	130	1395289	9.447	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1321952	9.557	ppbv	98
40) 1,4-Dioxane	7.82	88	297706	8.785	ppbv #	100
41) Tetrahydrofuran	6.04	42	795703	9.446	ppbv	98
42) Bromodichloromethane	7.78	83	2605828	9.994	ppbv	97
43) Methyl Methacrylate	8.00	69	1229437	9.799	ppbv	98

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

44) 2,2,4-Trimethylpentane	7.85	57	5683270	9.381	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	829243	8.779	ppbv	93
46) cis-1,3-Dichloropropene	8.69	75	1117690	8.483	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1398782	9.359	ppbv	99
48) Dibromochloromethane	10.29	129	2275243	10.578	ppbv	99
49) Bromoform	13.03	173	1874312	11.055	ppbv	97
50) 4-Methyl-2-Pentanone	8.73	43	2287475	10.027	ppbv	99
51) 2-Hexanone	10.12	43	1087849	10.367	ppbv #	98
52) Tetrachloroethene	11.21	164	1271168	8.617	ppbv	99
53) Toluene	9.79	91	4023269	9.788	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2013310	9.649	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1561791	9.368	ppbv	97
57) Chlorobenzene	12.13	112	2972785	8.953	ppbv	99
58) Ethyl Benzene	12.69	91	5257848	9.469	ppbv	99
59) m/p-Xylene	12.98	91	8837563m	18.360	ppbv	
60) o-Xylene	13.68	91	4154594	9.247	ppbv	98
61) Styrene	13.51	104	2347314	10.058	ppbv	99
62) Isopropylbenzene	14.65	105	5883812	9.279	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2986528	8.944	ppbv	98
64) n-propylbenzene	15.55	120	1564538	9.696	ppbv	96
65) tert-Butylbenzene	16.73	119	5204292	9.012	ppbv	100
66) Benzyl Chloride	16.97	91	277165	10.610	ppbv	99
67) sec-Butylbenzene	17.28	105	7244929	8.979	ppbv	100
69) p-Isopropyltoluene	17.64	119	6093277	9.267	ppbv	100
70) n-Butylbenzene	18.53	91	6007249	9.560	ppbv	99
71) 2-Chlorotoluene	15.44	91	4363862	9.385	ppbv	99
72) 4-Ethyltoluene	15.82	105	5001662	9.360	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4611699	9.271	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4770007	9.024	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	2879842	9.051	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2808701	8.763	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	2806527	8.958	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2137800	8.207	ppbv	99
79) Naphthalene	22.17	128	3542914	10.016	ppbv	97
80) Naphthalene, 2-methyl-	24.95	142	876622	8.896	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2136703	9.626	ppbv	99

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

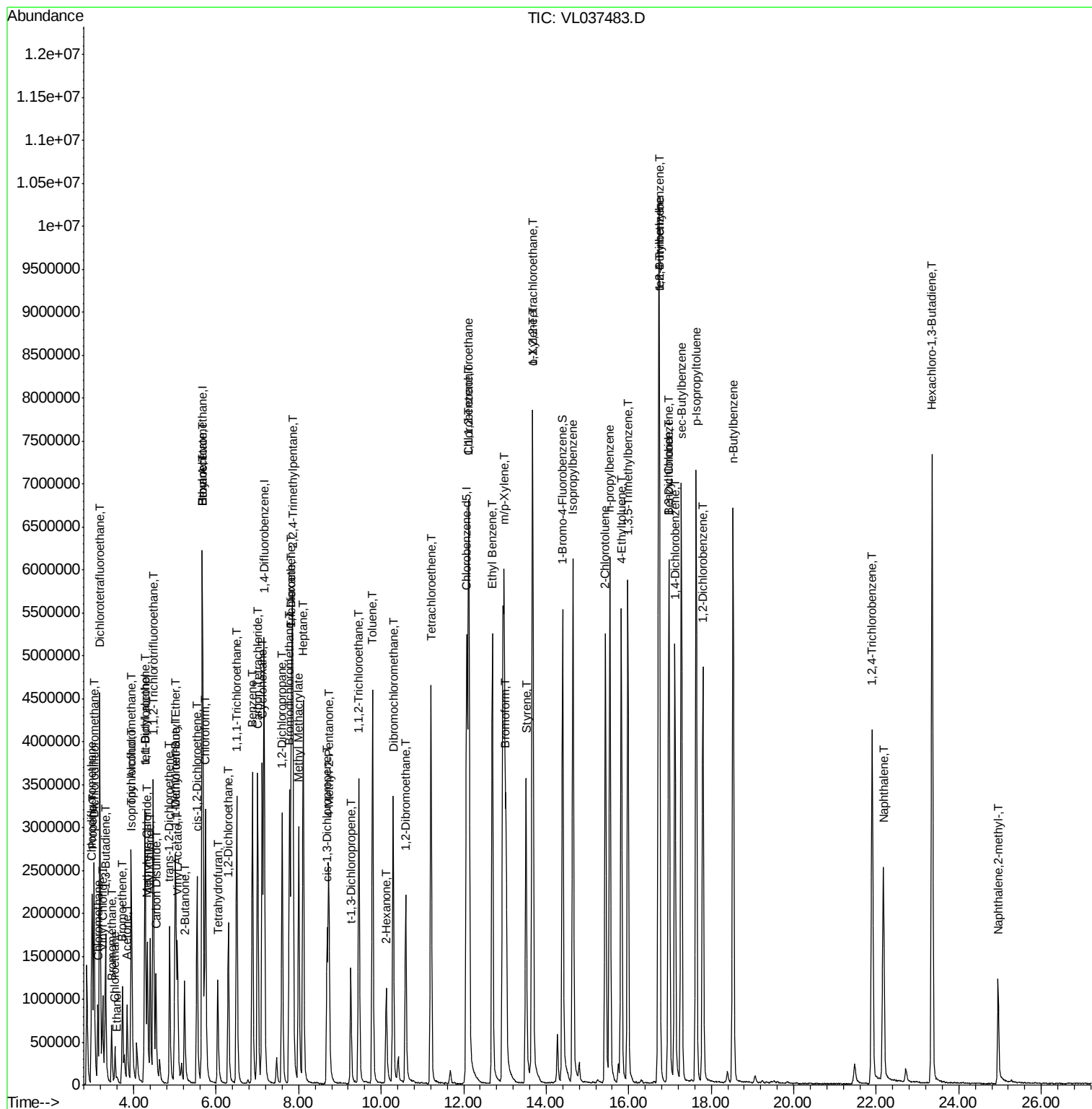
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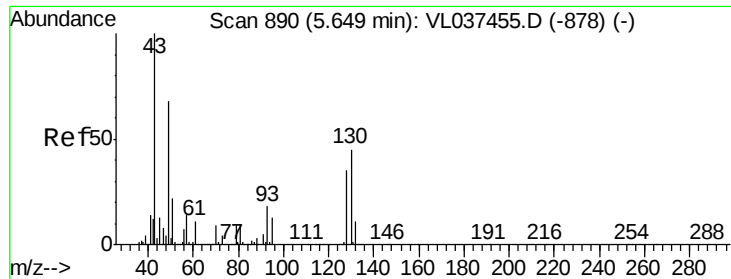
Instrument :
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ClientSampleID :
VSTDCCC010EC

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1455653

Ion Ratio Lower Upper

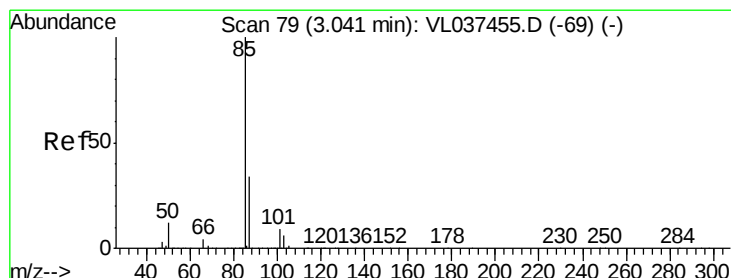
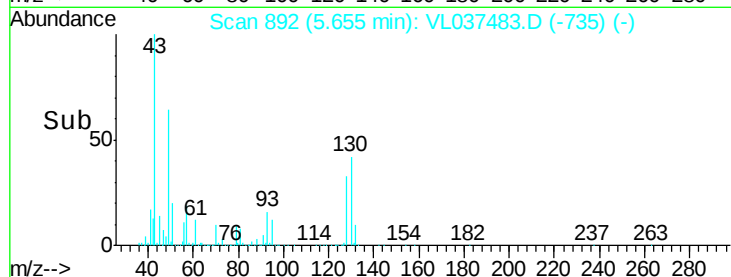
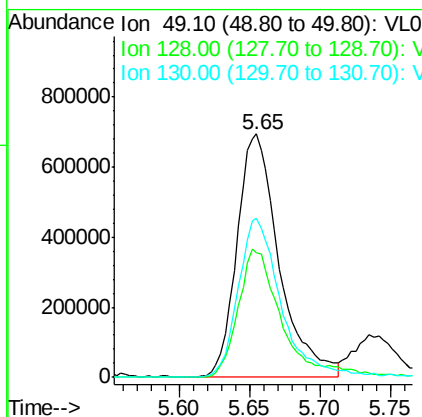
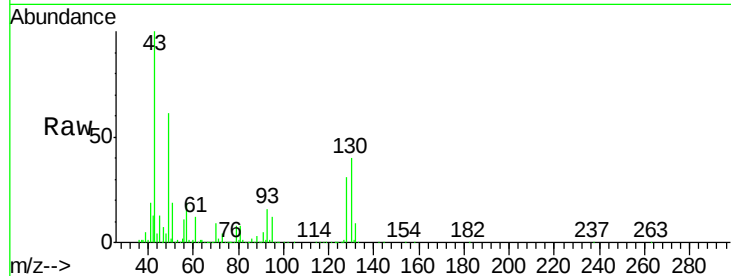
49 100

128 55.9 27.5 82.4

130 67.3 34.0 101.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 9.434 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037483.D

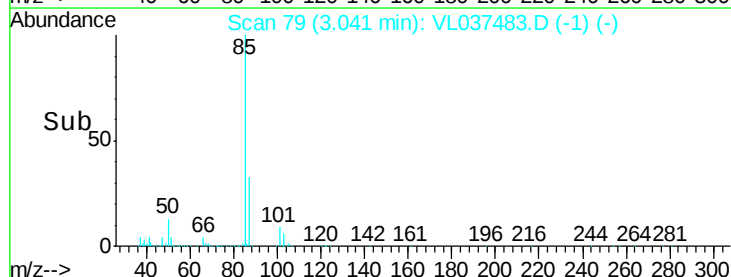
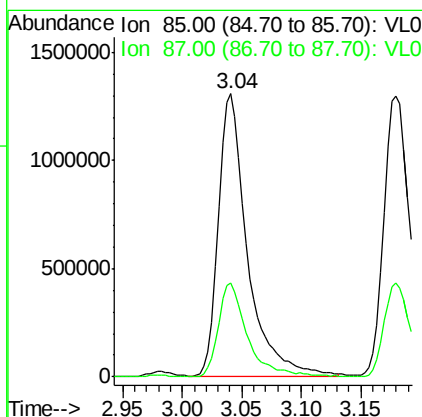
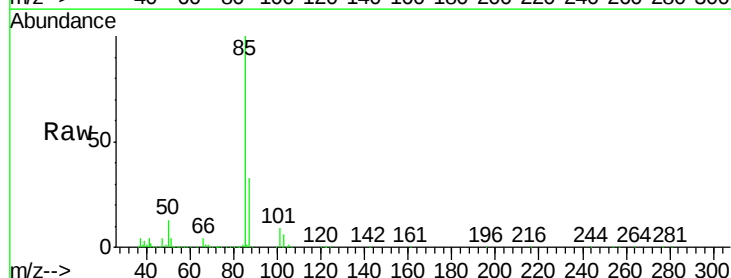
Acq: 17 Aug 2021 5:07

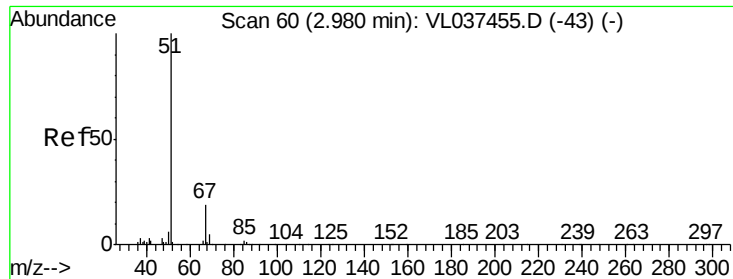
Tgt Ion: 85 Resp: 2203346

Ion Ratio Lower Upper

85 100

87 33.3 27.6 41.4





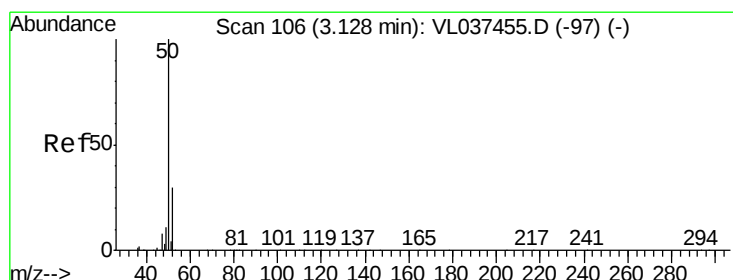
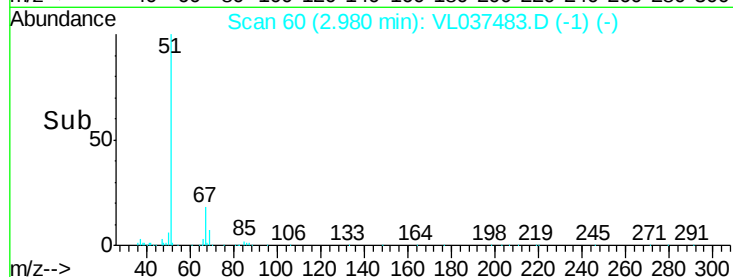
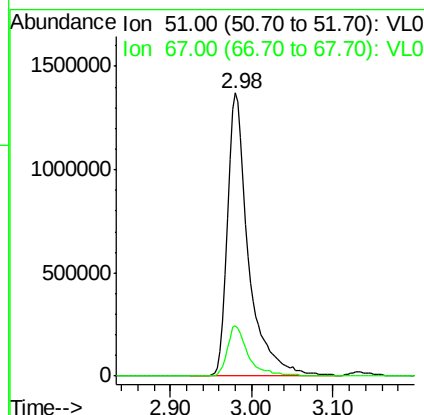
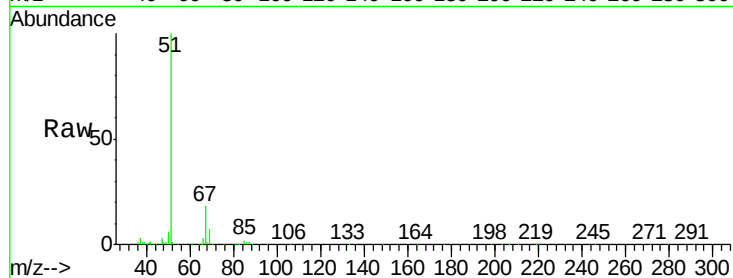
#3
Chlorodifluoromethane
Concen: 8.994 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
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ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2507080
Ion Ratio Lower Upper
51 100
67 17.9 14.2 21.2

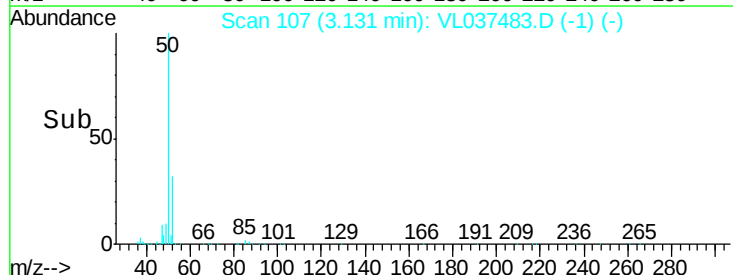
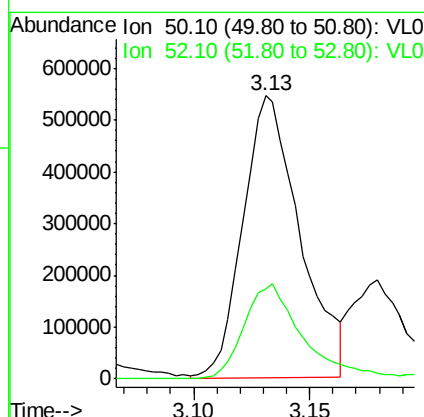
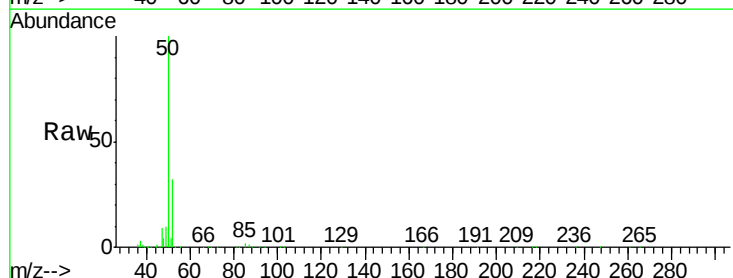
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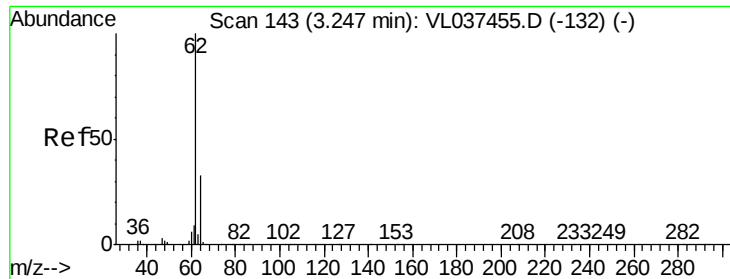
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#4
Chloromethane
Concen: 9.349 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 50 Resp: 931197
Ion Ratio Lower Upper
50 100
52 32.2 24.0 36.0





#5

Vinyl Chloride

Concen: 9.345 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 953654

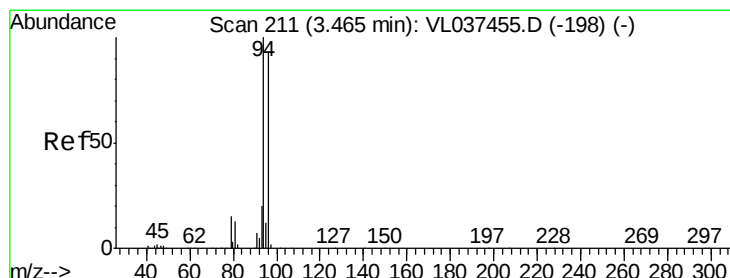
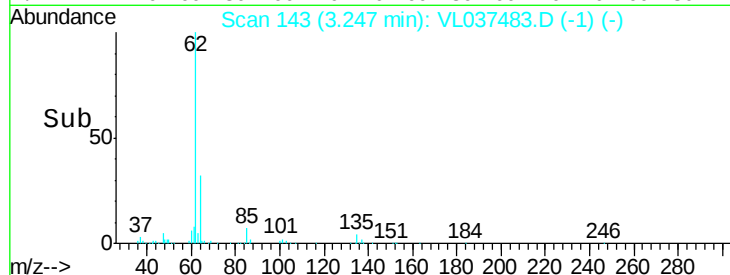
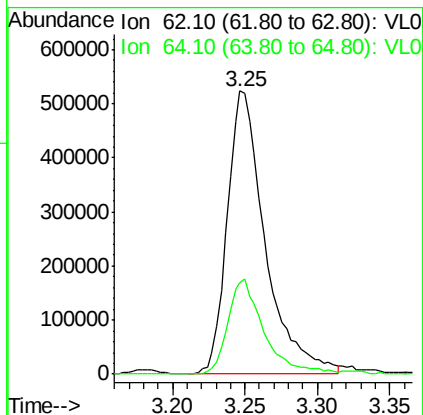
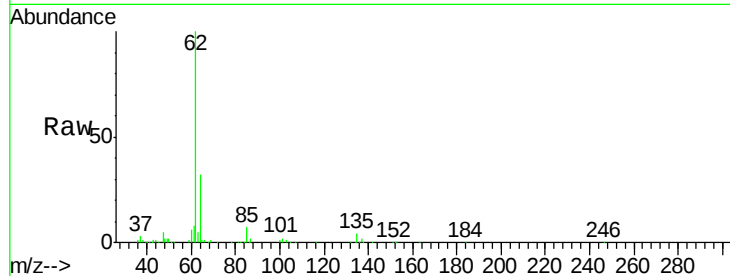
Ion Ratio Lower Upper

62 100

64 32.1 26.5 39.7

Manual Integrations
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#6

Bromomethane

Concen: 7.953 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037483.D

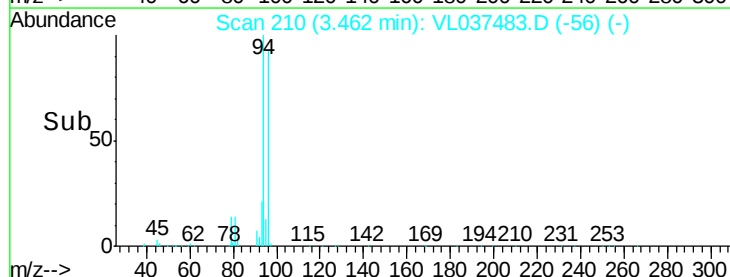
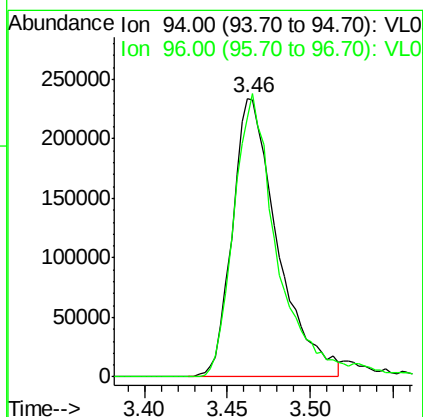
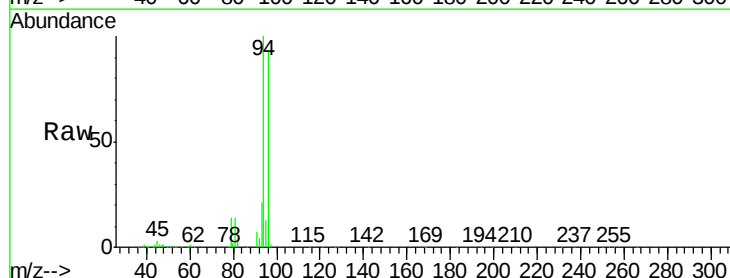
Acq: 17 Aug 2021 5:07

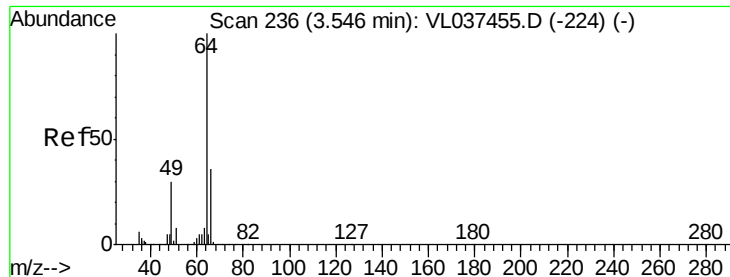
Tgt Ion: 94 Resp: 444554

Ion Ratio Lower Upper

94 100

96 92.9 74.5 111.7





#7

Chloroethane

Concen: 9.568 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 333240

Ion Ratio Lower Upper

64 100

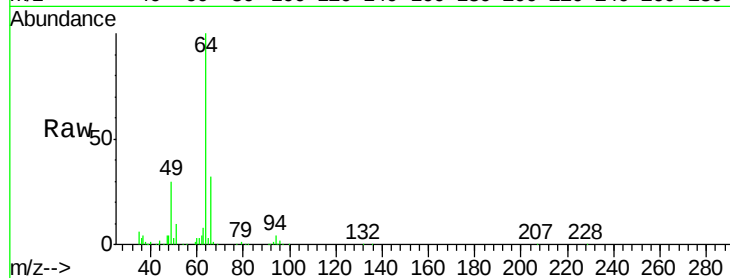
66 31.8 28.6 43.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

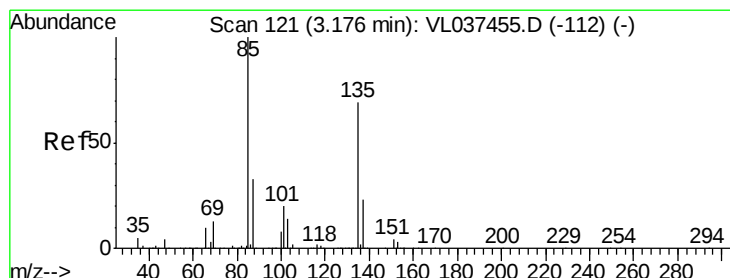
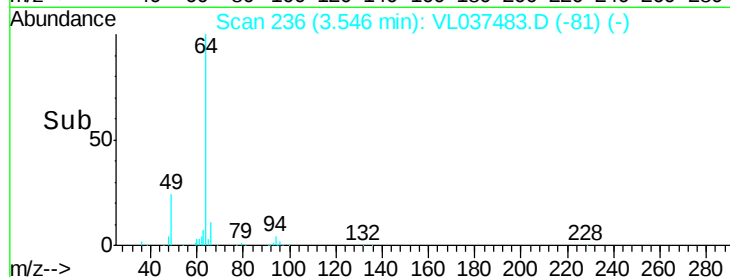
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.208 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037483.D

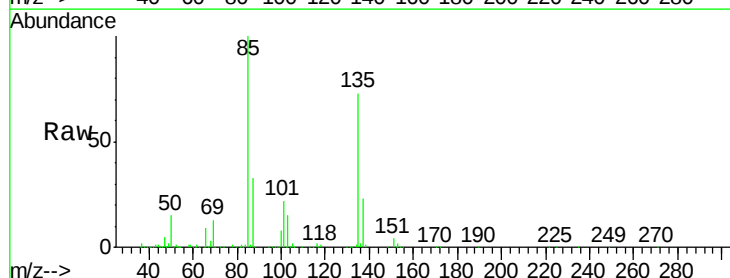
Acq: 17 Aug 2021 5:07

Tgt Ion: 85 Resp: 2220164

Ion Ratio Lower Upper

85 100

135 73.6 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

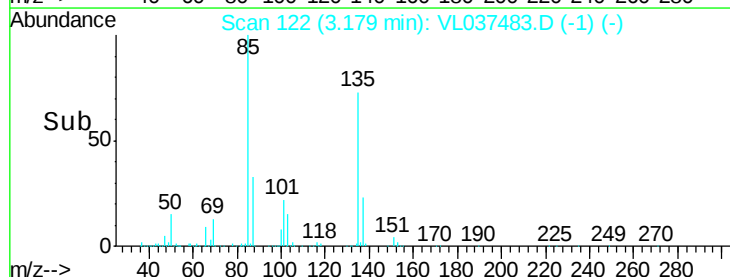
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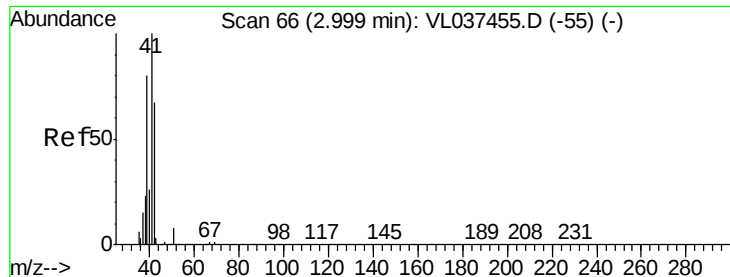
1000000

500000

0

Time-->





#9

Propene

Concen: 8.790 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 876610

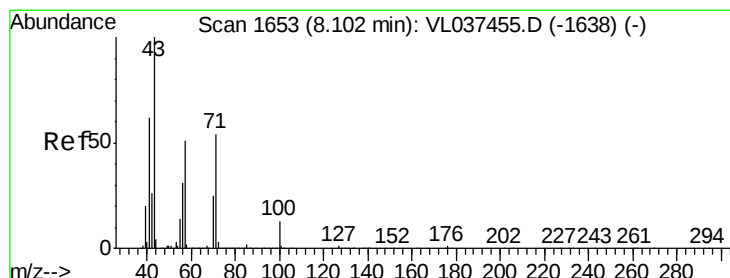
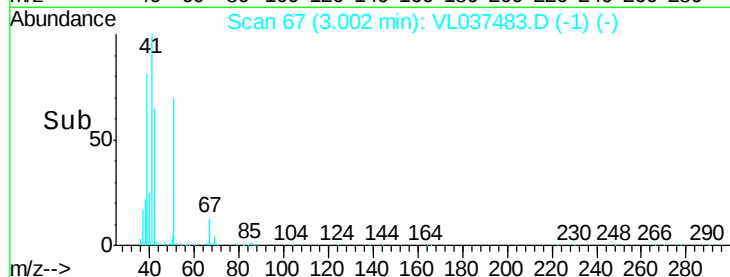
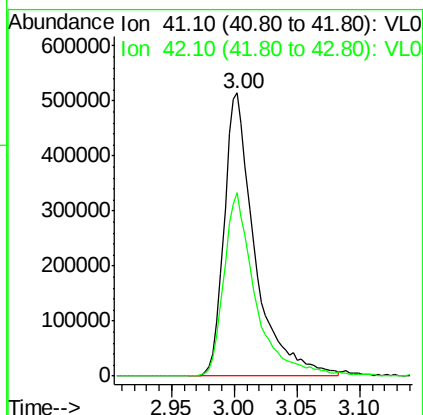
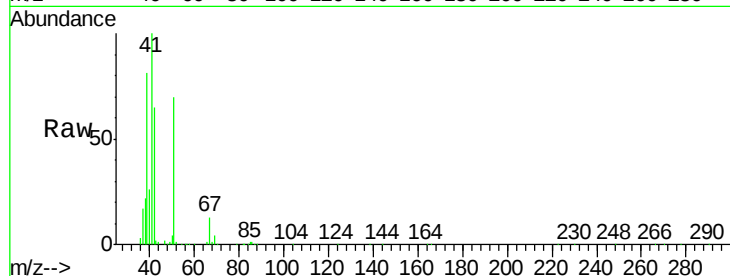
Ion Ratio Lower Upper

41 100

42 66.8 53.7 80.5

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#10

Heptane

Concen: 9.697 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VL037483.D

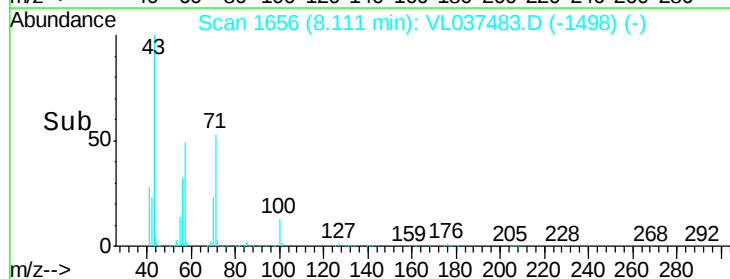
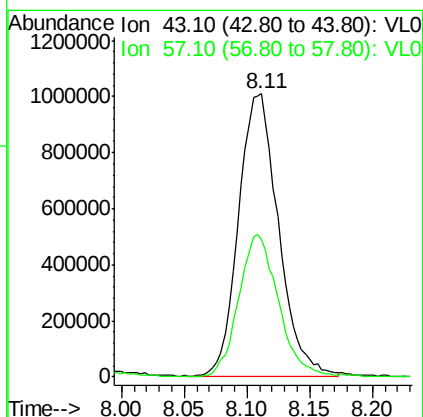
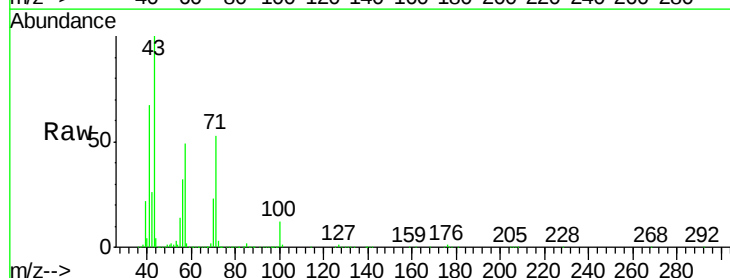
Acq: 17 Aug 2021 5:07

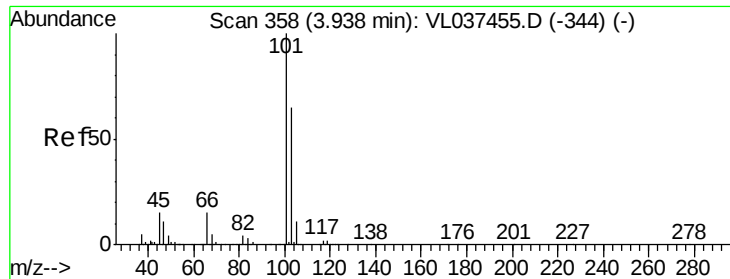
Tgt Ion: 43 Resp: 2226142

Ion Ratio Lower Upper

43 100

57 50.0 41.0 61.6





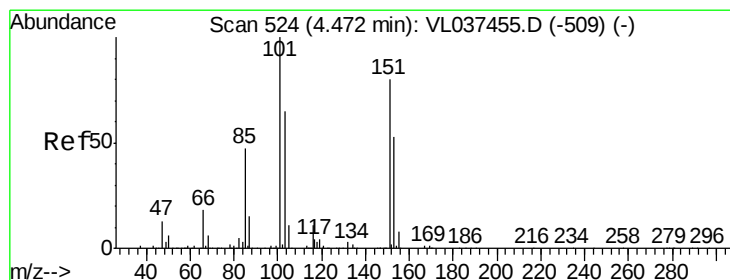
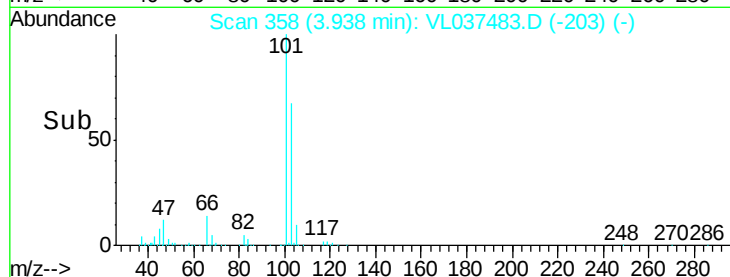
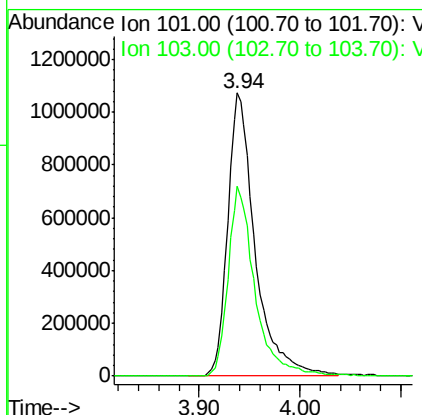
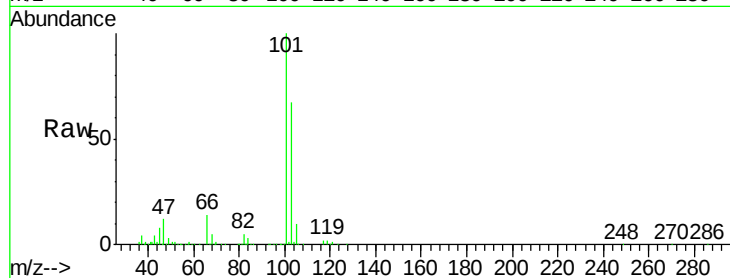
#11
 Trichlorofluoromethane
 Concen: 9.322 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2043717
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.8 77.6

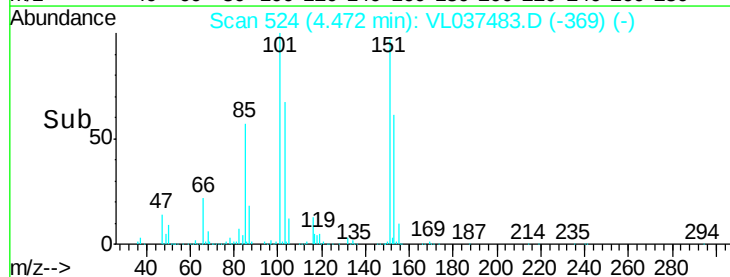
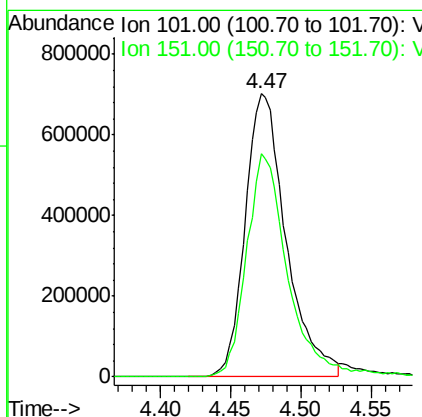
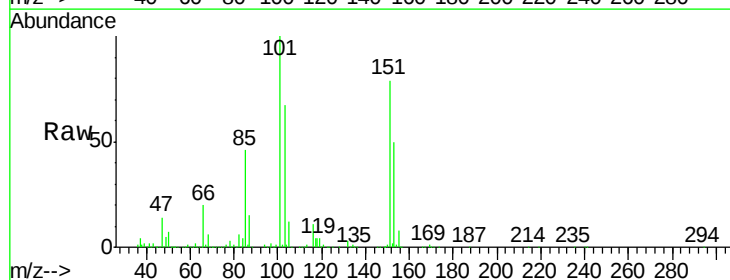
Manual Integrations
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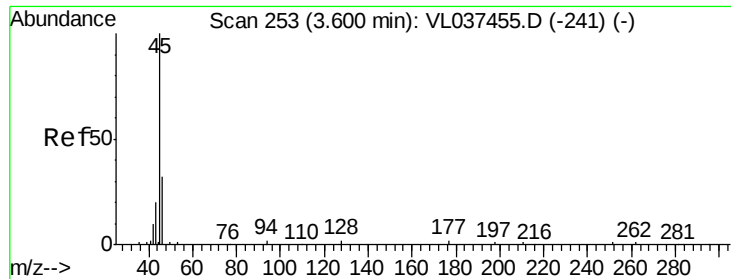
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.882 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion:101 Resp: 1428923
 Ion Ratio Lower Upper
 101 100
 151 80.4 63.7 95.5





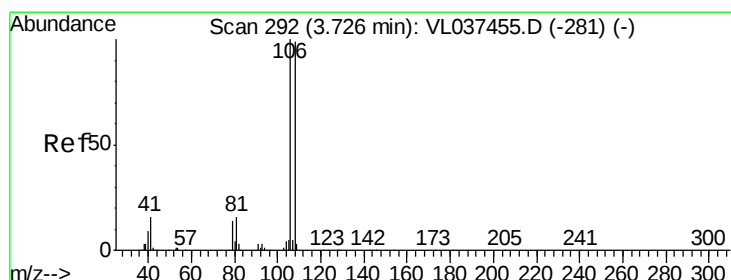
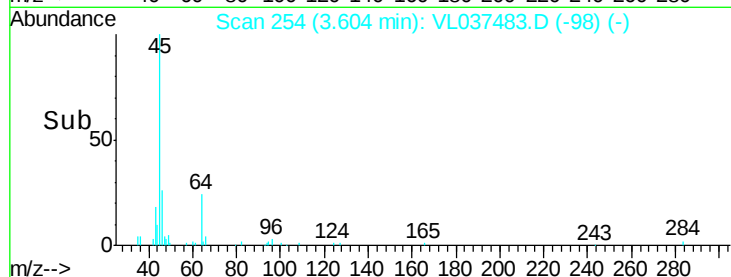
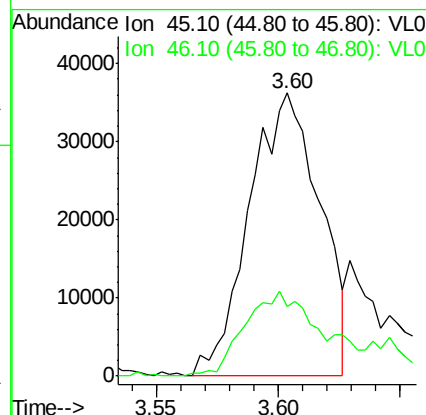
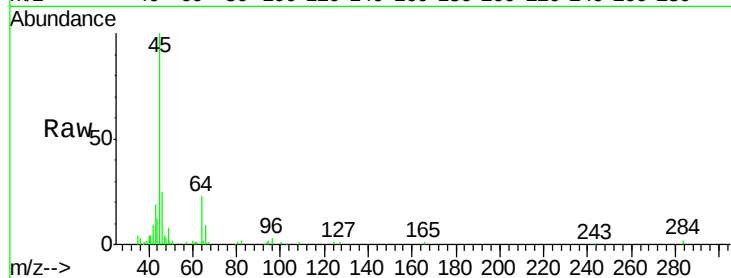
#13
Ethanol
Concen: 7.485 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	43.2	14.1	56.5

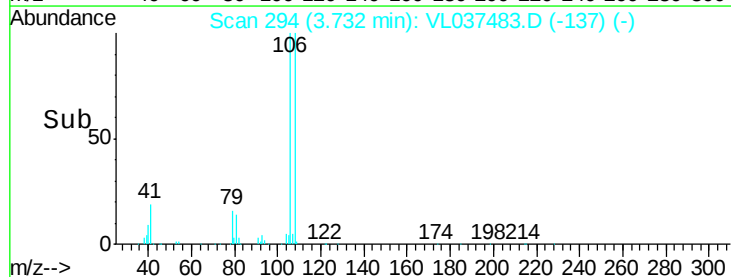
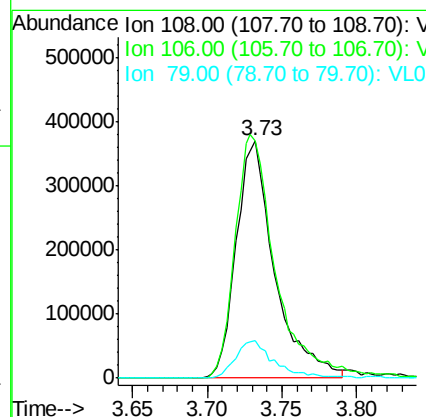
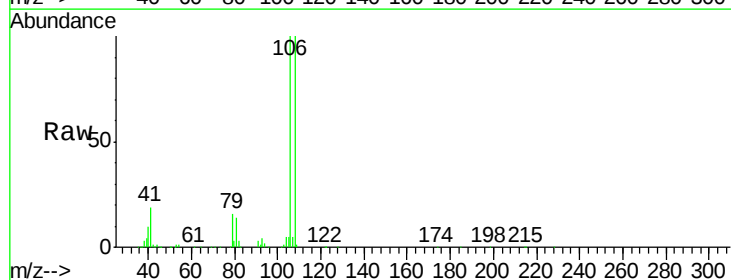
Manual Integrations
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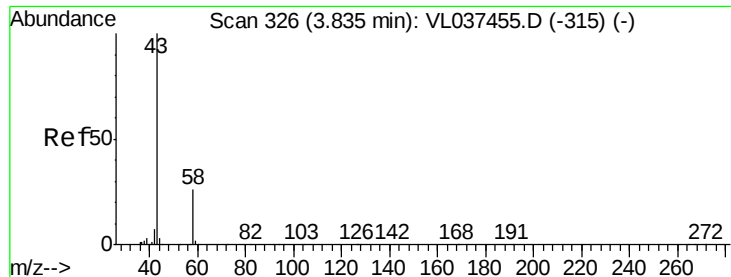
MMDadoda
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#14
Bromoethene
Concen: 9.064 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion	Ratio	Lower	Upper
108	100		
106	110.1	85.8	128.8
79	16.1	12.6	18.8





#15

Acetone

Concen: 7.689 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1139116

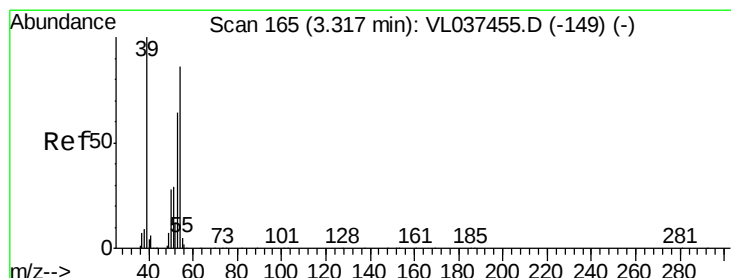
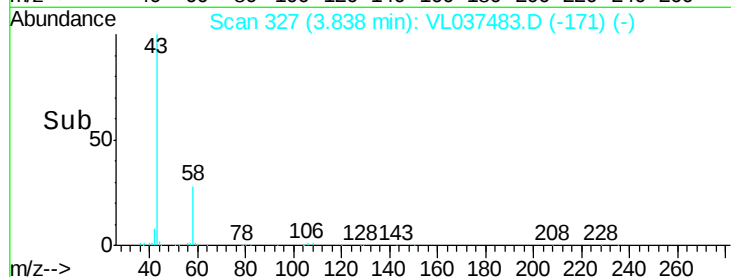
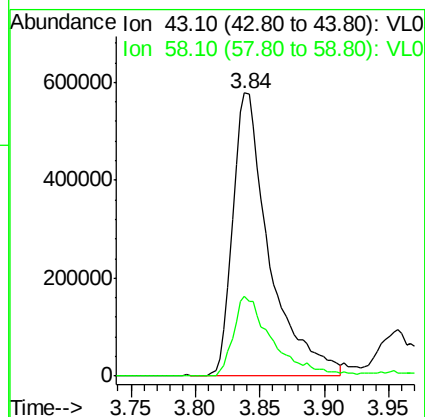
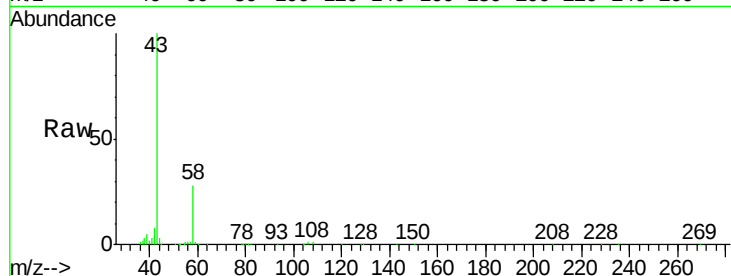
Ion Ratio Lower Upper

43 100

58 30.4 24.8 37.2

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#16

1,3-Butadiene

Concen: 9.489 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037483.D

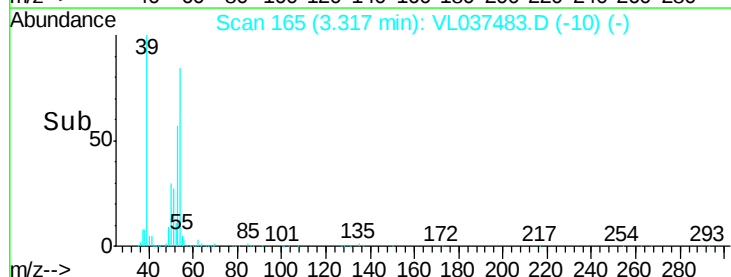
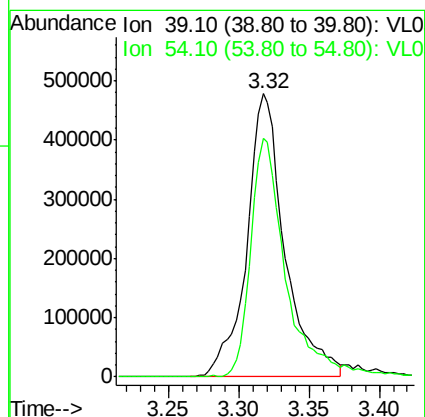
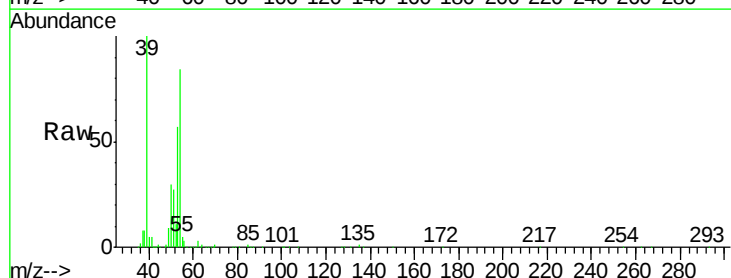
Acq: 17 Aug 2021 5:07

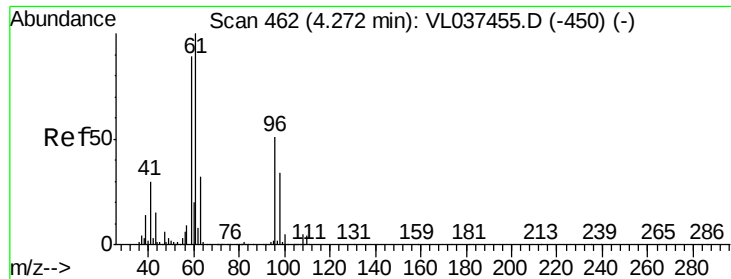
Tgt Ion: 39 Resp: 901704

Ion Ratio Lower Upper

39 100

54 79.0 63.7 95.5





#17

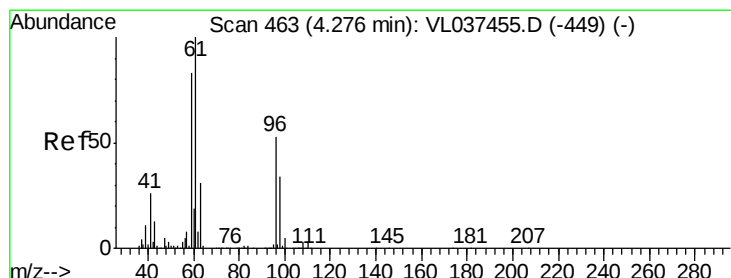
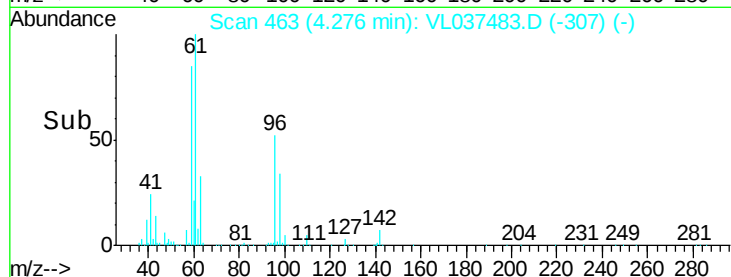
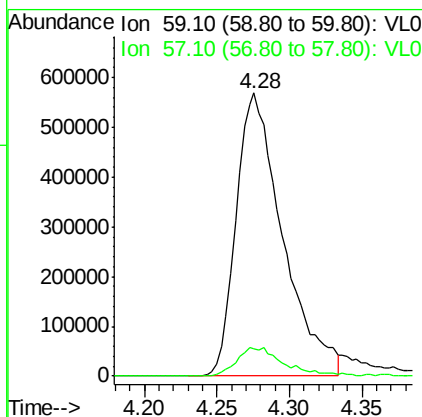
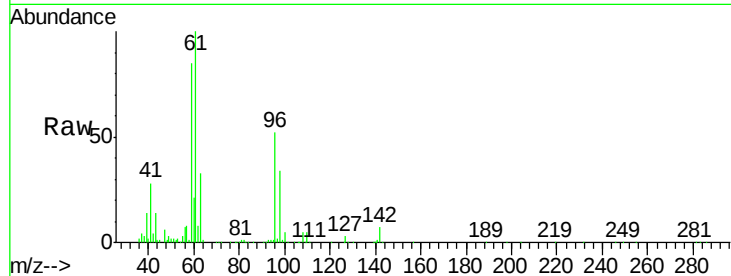
tert-Butyl alcohol
Concen: 9.377 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1269048
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5

Manual Integrations
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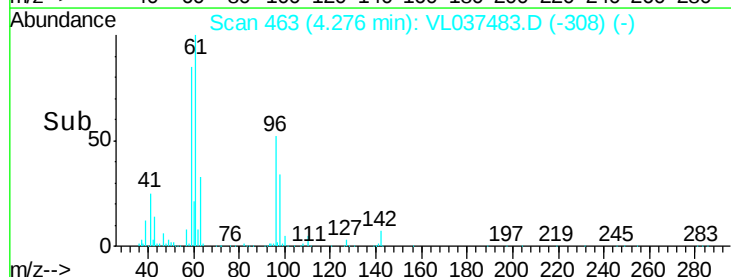
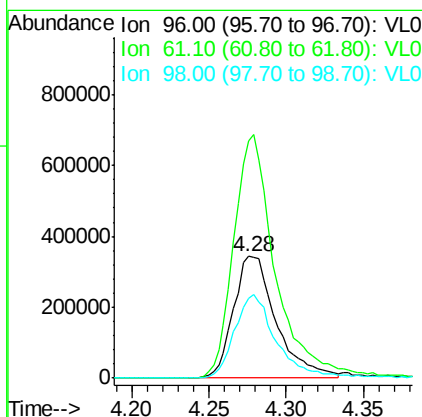
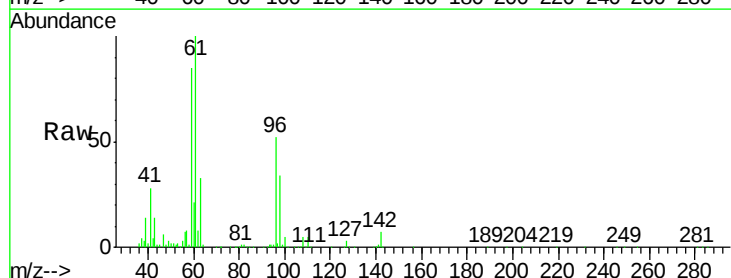
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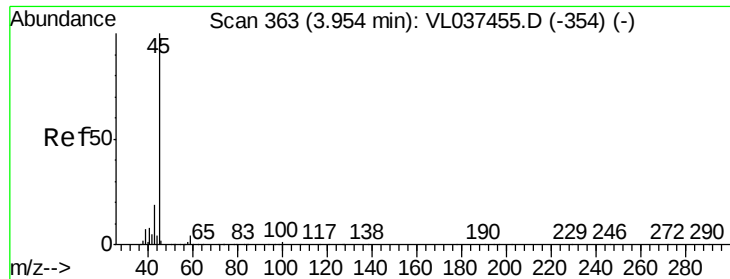


#18

1,1-Dichloroethene
Concen: 9.073 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 96 Resp: 663015
Ion Ratio Lower Upper
96 100
61 194.1 151.1 226.7
98 65.9 51.8 77.8





#19

Isopropyl Alcohol

Concen: 8.808 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 747521

Ion Ratio Lower Upper

45 100

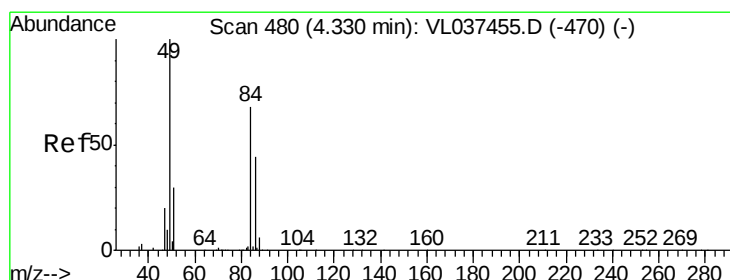
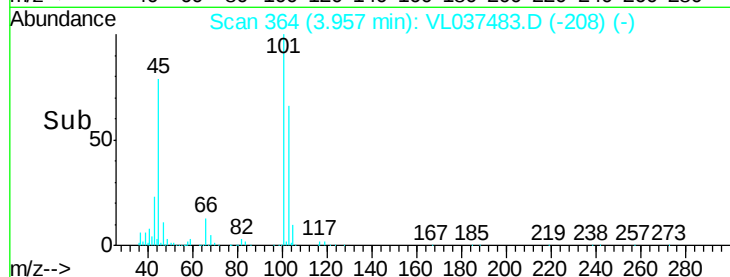
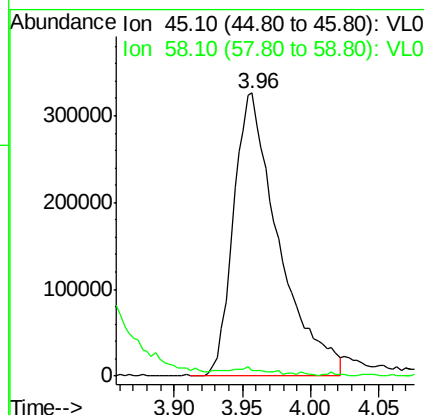
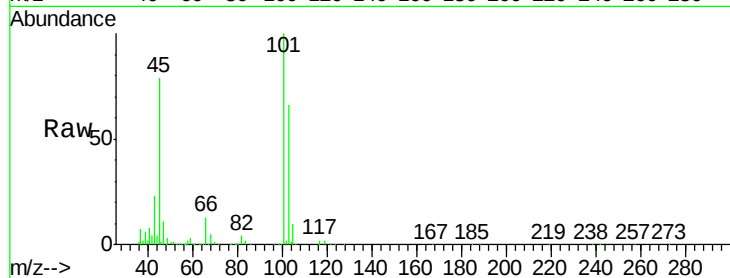
58 3.6 1.4 2.2#

Manual Integrations

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#20

Methylene Chloride

Concen: 7.631 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Tgt Ion: 84 Resp: 566007

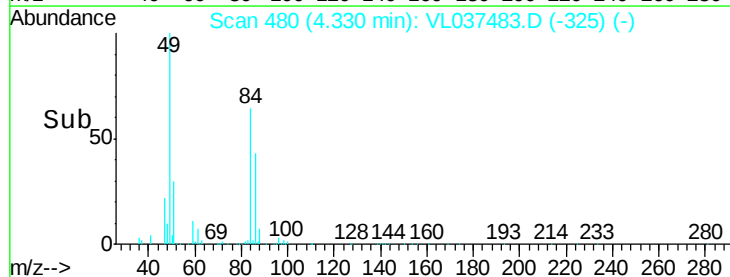
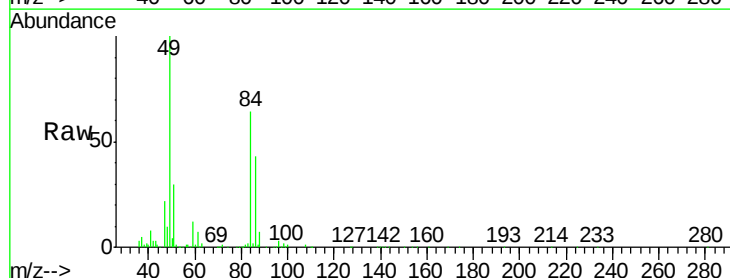
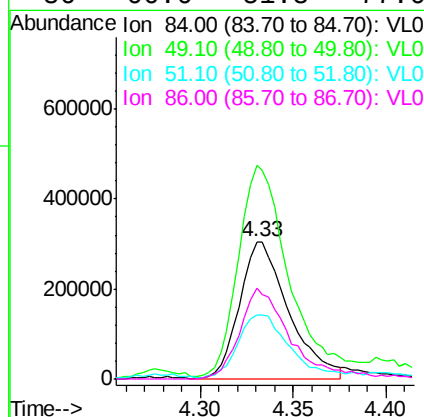
Ion Ratio Lower Upper

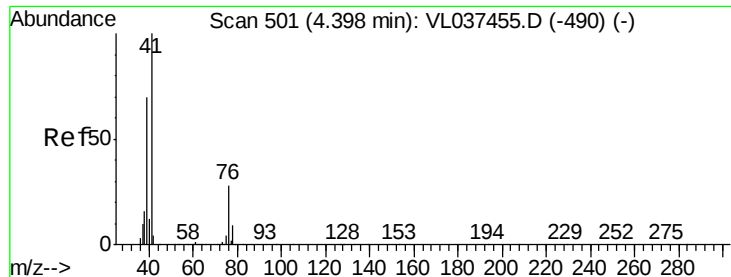
84 100

49 153.6 118.2 177.2

51 45.2 36.6 55.0

86 66.6 51.8 77.6





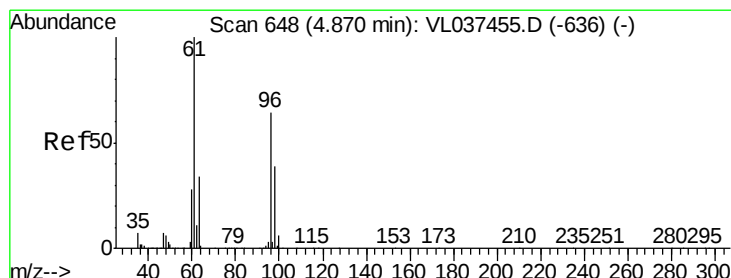
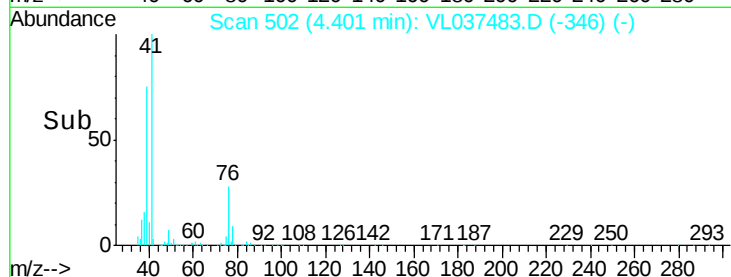
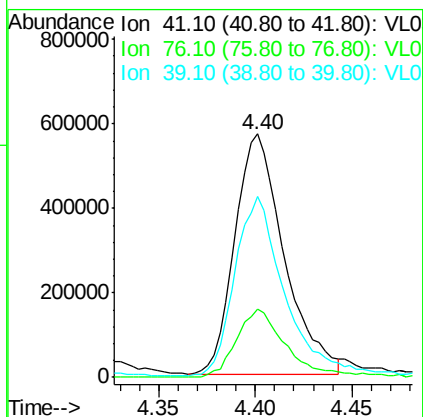
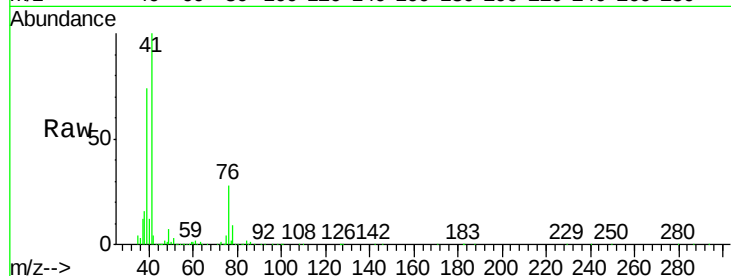
#21
Allvl Chloride
Concen: 8.365 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.5	21.8	32.6
39	77.3	56.8	85.2

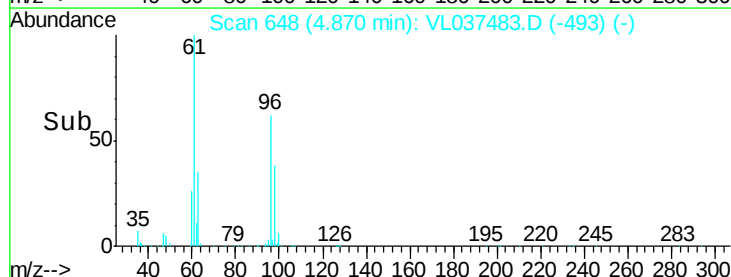
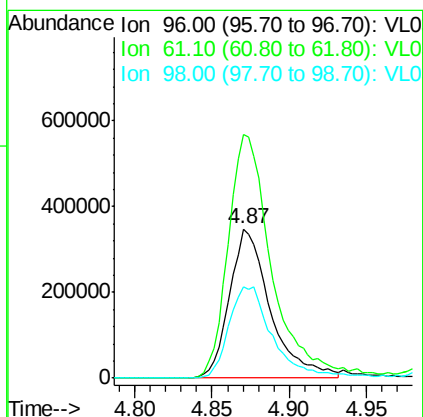
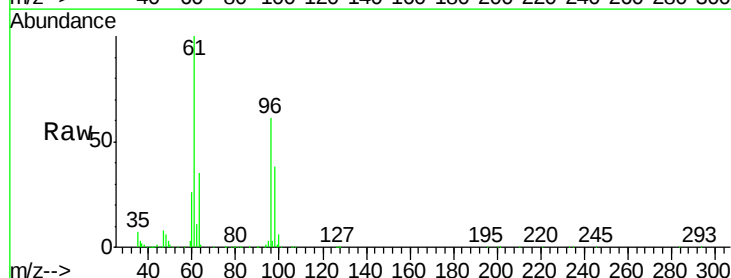
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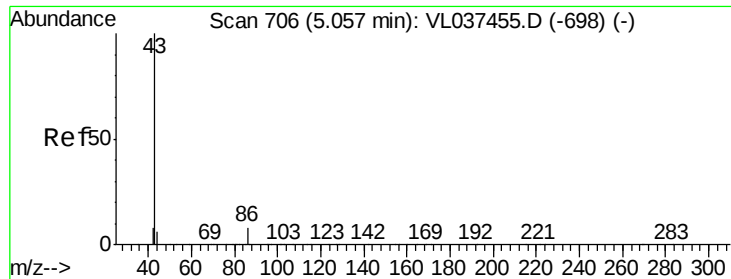
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#22
trans-1,2-Dichloroethene
Concen: 8.722 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.1	125.5	188.3
98	61.2	49.0	73.4





#23

Vinyl Acetate

Concen: 10.011 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Tot Ion: 43 Resp: 2186000

Ion Ratio Lower Upper

43 100

86 7.3 5.7 8.5

42 9.4 7.4 11.2

44 5.7 4.3 6.5

Instrument :

MSVOA_L

ClientSampleId :

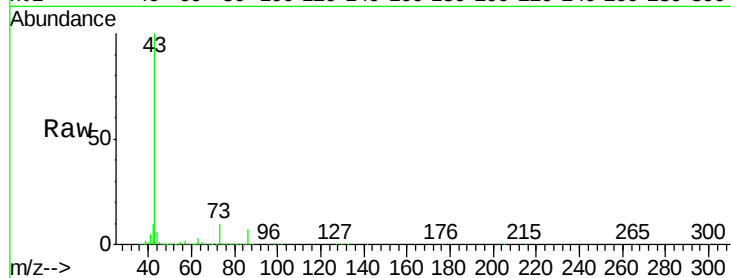
VSTDCCC010EC

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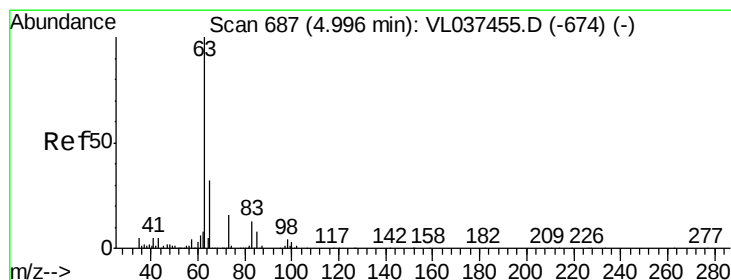
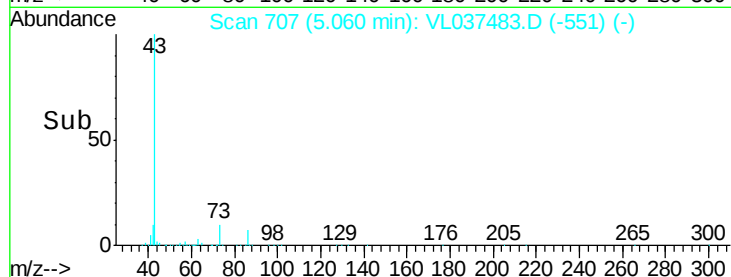
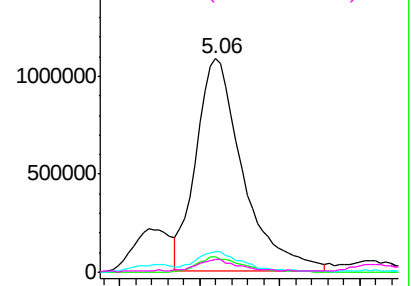


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.462 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

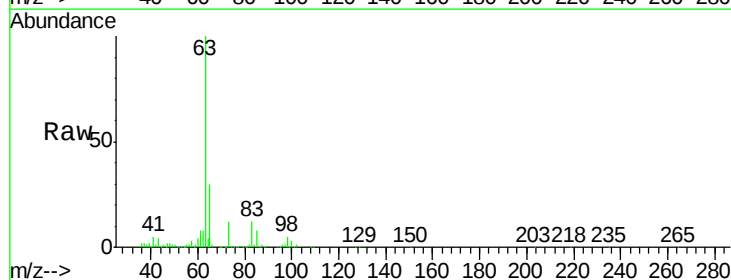
Tgt Ion: 63 Resp: 1656862

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.3

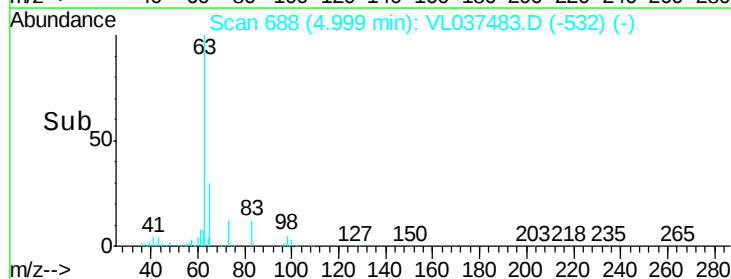
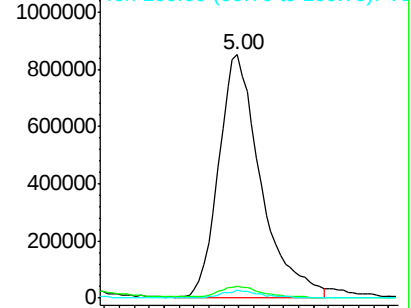
100 3.1 1.6 4.7

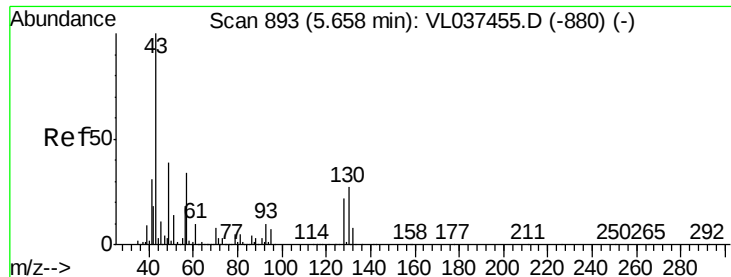


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





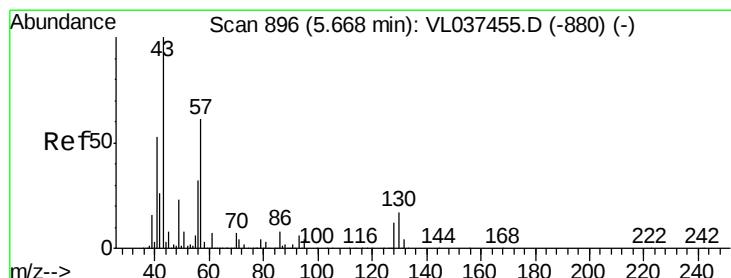
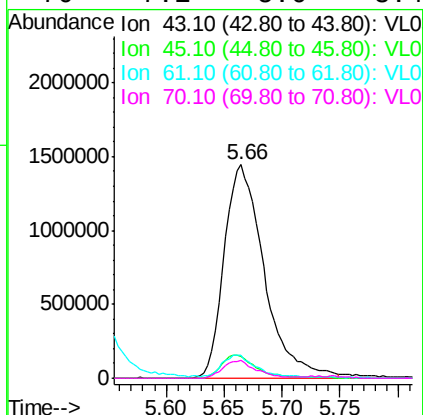
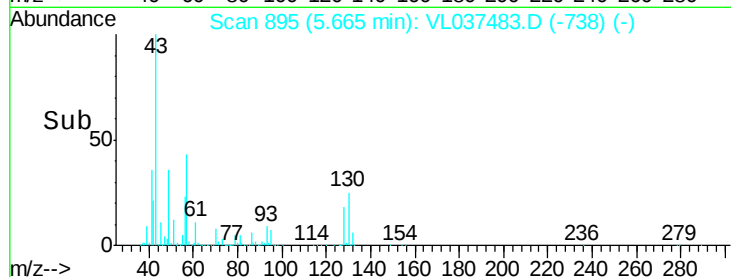
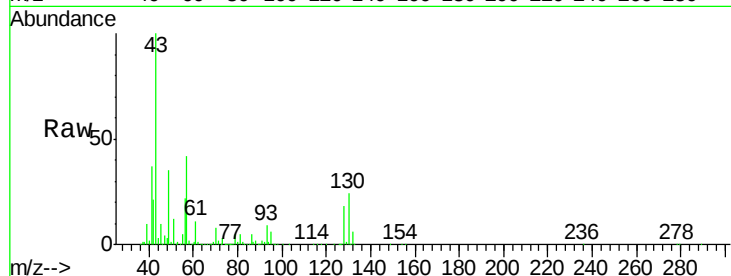
#25
Ethyl Acetate
Concen: 9.143 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	10.5	8.0	12.0
70	7.1	5.6	8.4

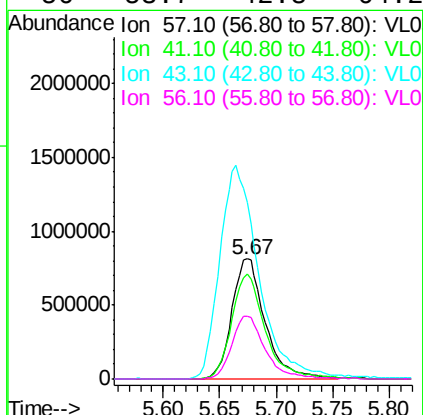
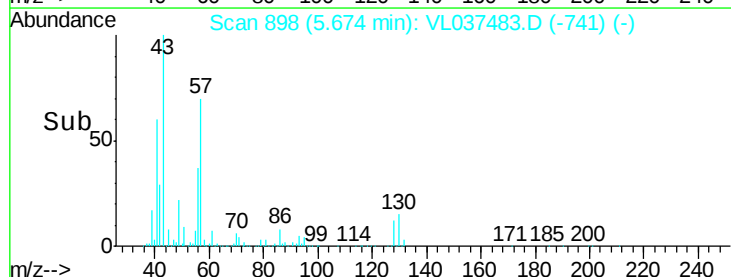
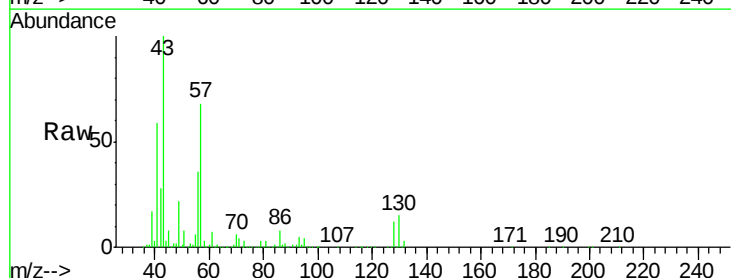
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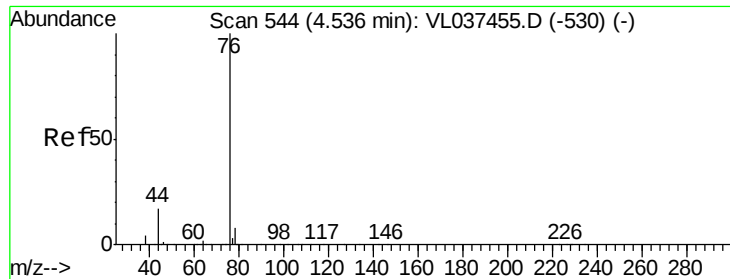
MMDadoda
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#26
Hexane
Concen: 9.060 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.4	72.3	108.5
43	210.4	172.3	258.5
56	53.7	42.8	64.2





#27

Carbon Disulfide

Concen: 9.698 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1589236

Ion Ratio Lower Upper

76 100

44 16.9 13.9 20.9

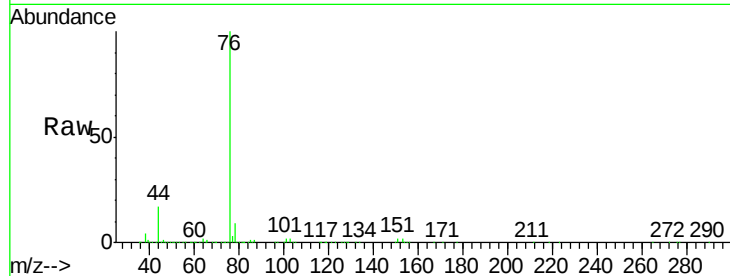
78 9.9 7.9 11.9

Manual Integrations

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MMDadoda

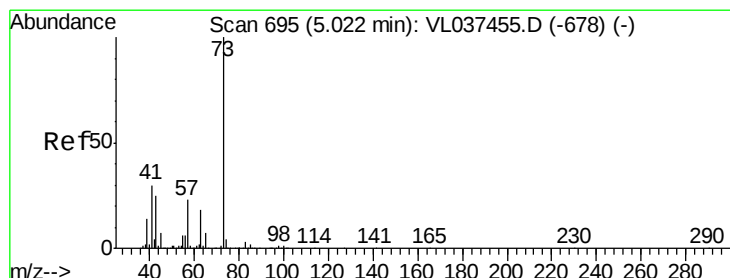
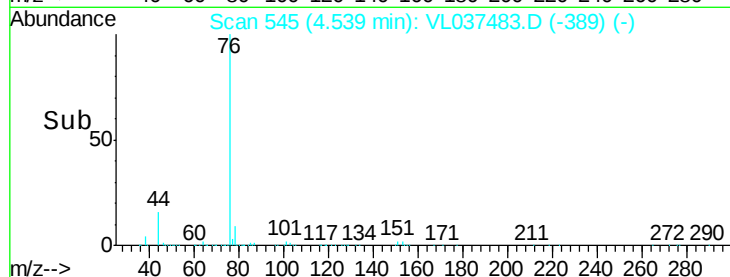
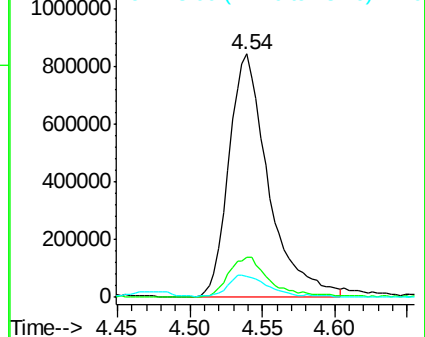
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.389 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL037483.D

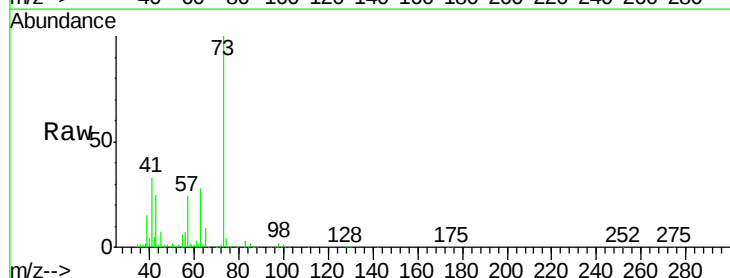
Acq: 17 Aug 2021 5:07

Tgt Ion: 73 Resp: 1834625

Ion Ratio Lower Upper

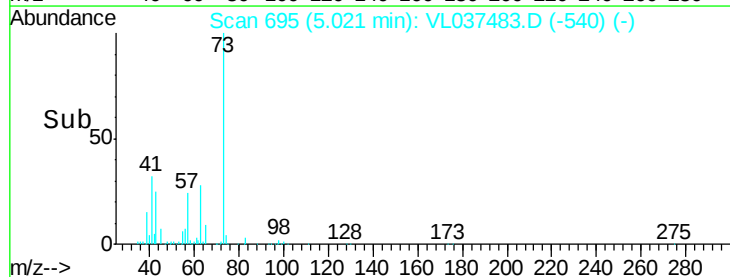
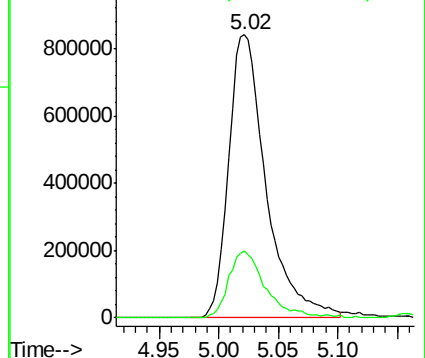
73 100

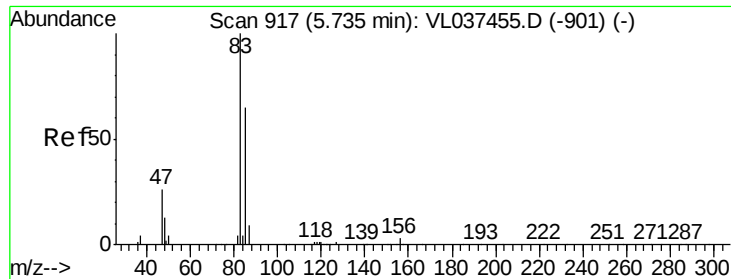
57 23.6 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





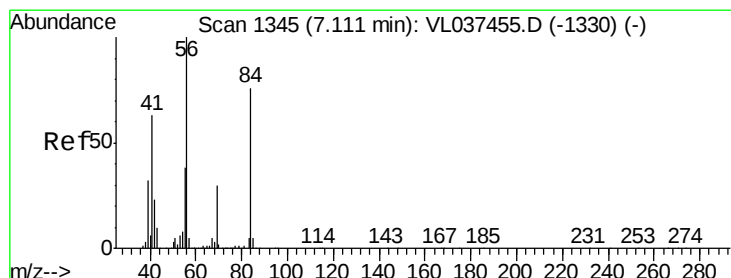
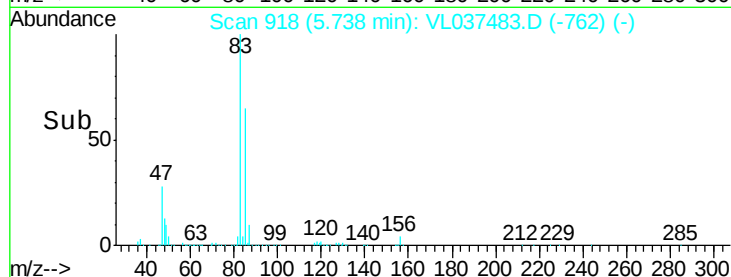
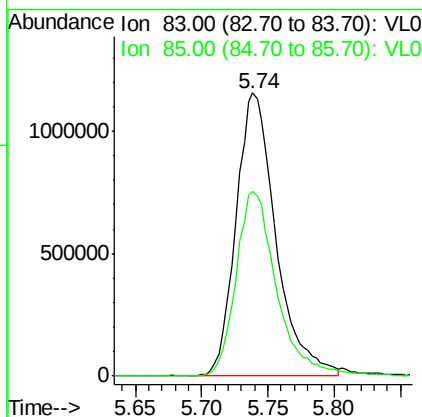
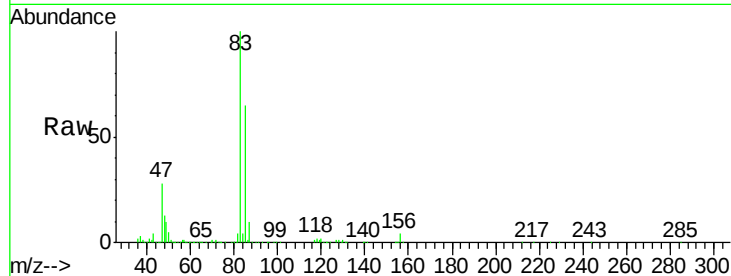
#29
Chloroform
Concen: 9.297 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2422833
Ion Ratio Lower Upper
83 100
85 64.8 52.3 78.5

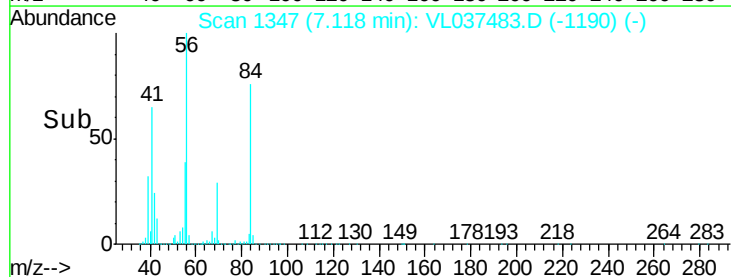
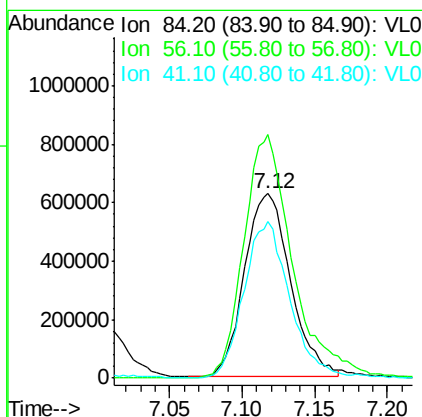
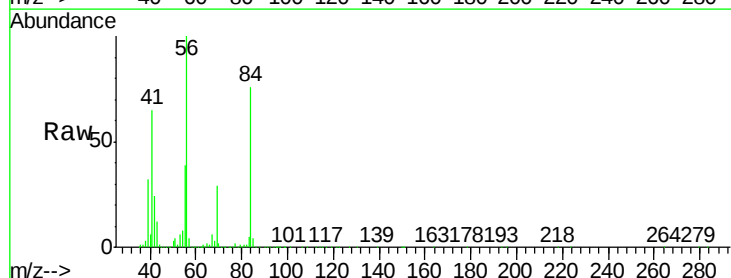
Manual Integrations
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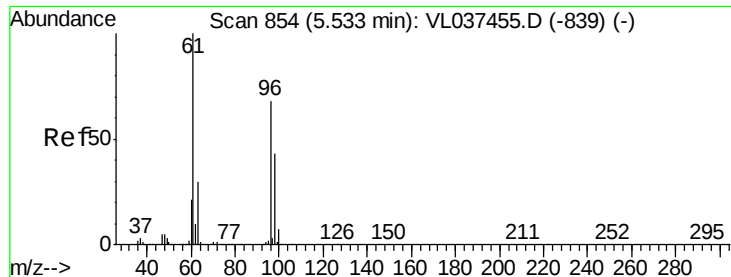
MMDadoda
8/19/2021 5:59:58 PM



#30
Cyclohexane
Concen: 9.076 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 84 Resp: 1390536
Ion Ratio Lower Upper
84 100
56 141.7 110.6 165.8
41 85.2 67.0 100.6





#31

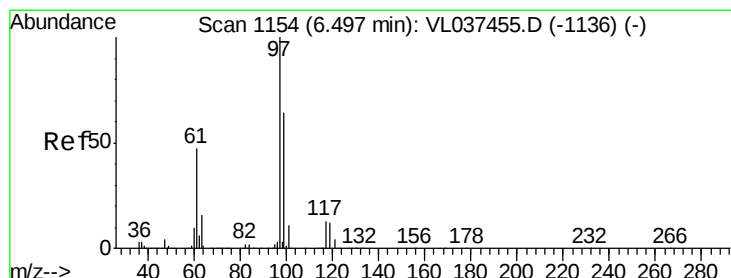
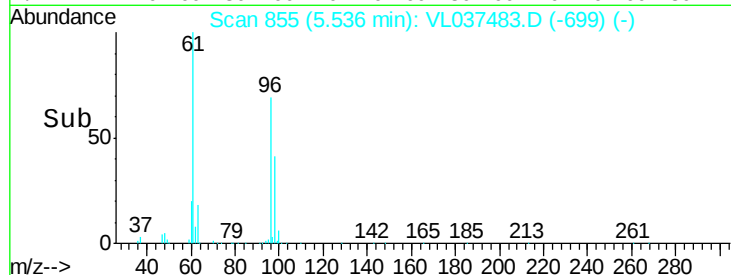
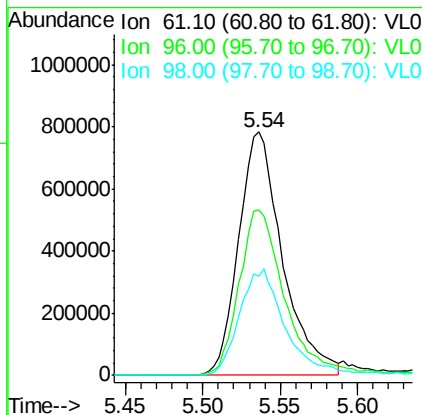
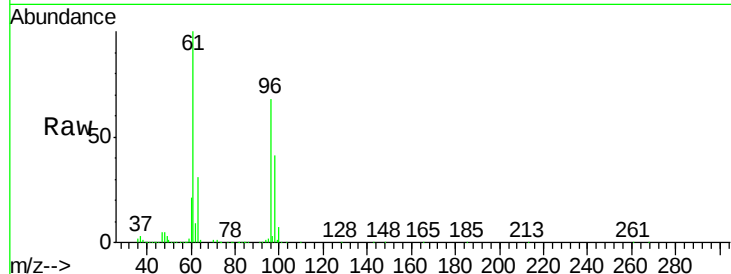
cis-1,2-Dichloroethene
Concen: 9.281 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.0	54.8	82.2
98	40.8	34.2	51.2

Manual Integrations
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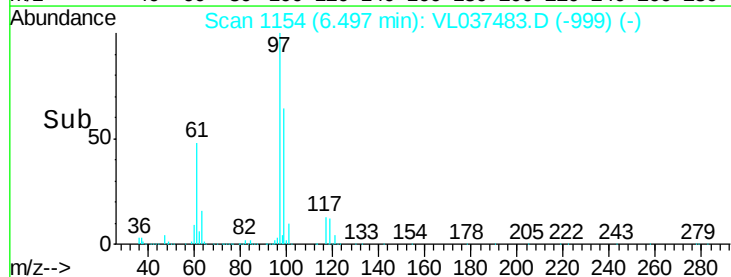
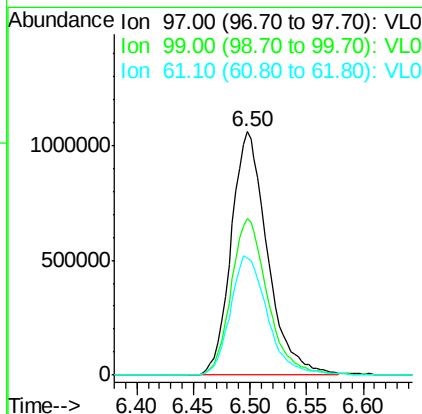
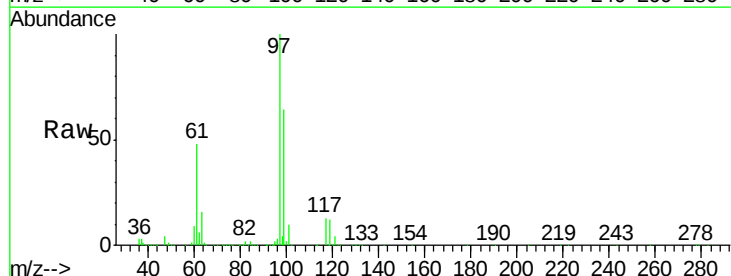
MMDadoda
8/19/2021 5:59:58 PM

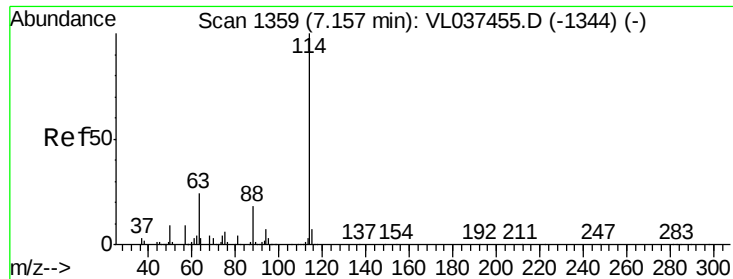


#32

1,1,1-Trichloroethane
Concen: 9.228 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.8	77.6
61	50.2	39.6	59.4





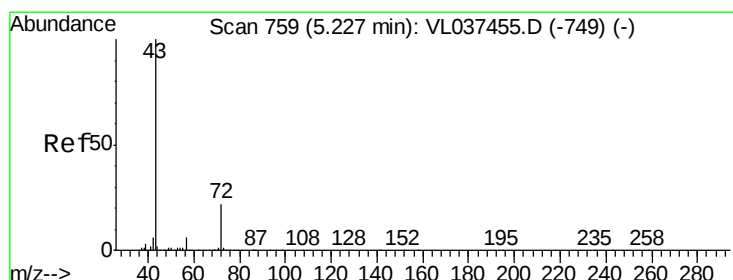
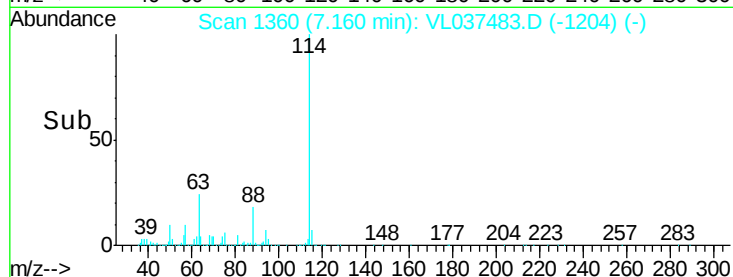
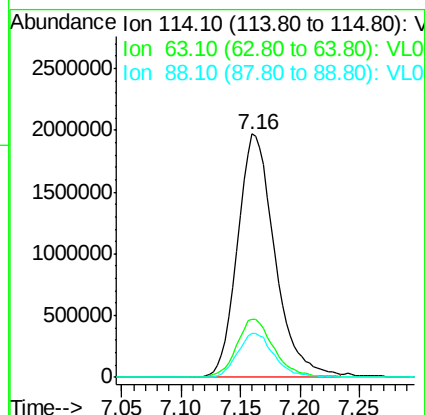
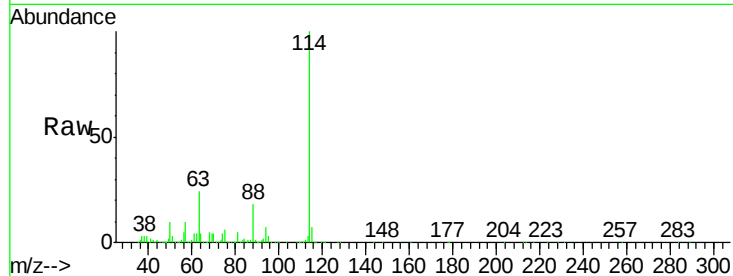
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	17.9	14.2	21.4

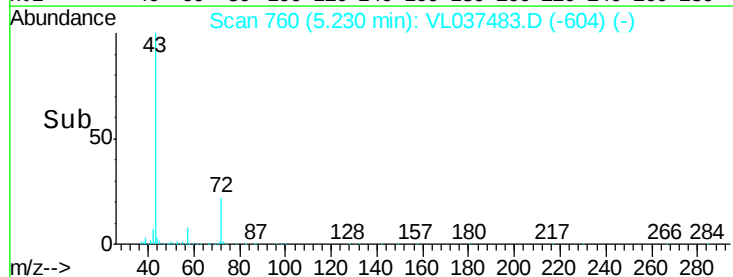
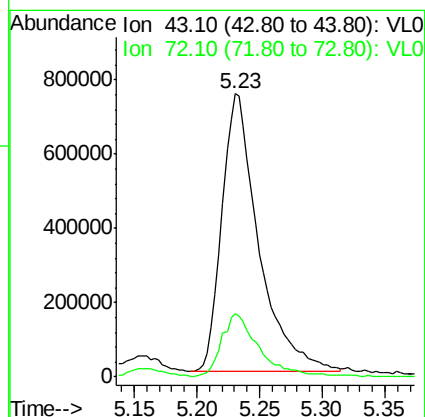
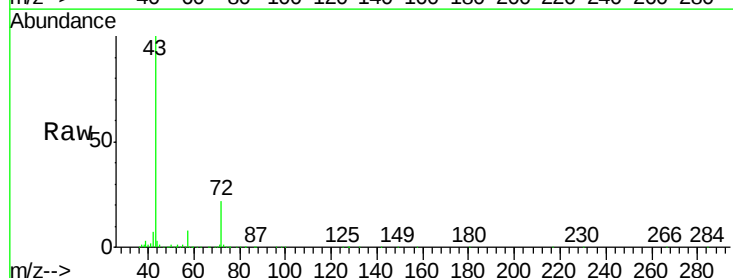
Manual Integrations
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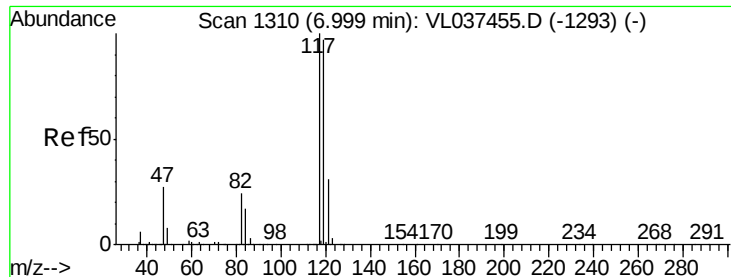
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 8/19/2021 5:59:58 PM



#34
 2-Butanone
 Concen: 8.727 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.4	26.0





#35

Carbon Tetrachloride

Concen: 9.791 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2477858

Ion Ratio Lower Upper

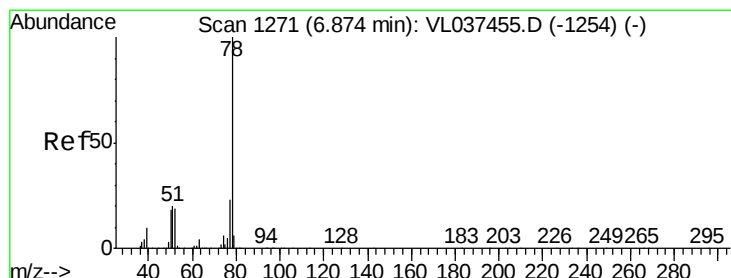
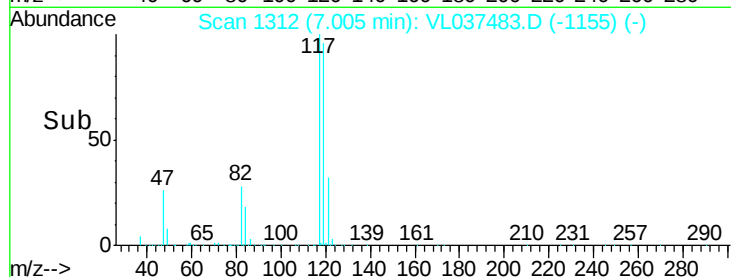
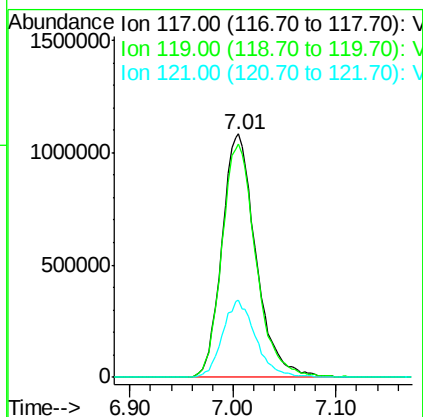
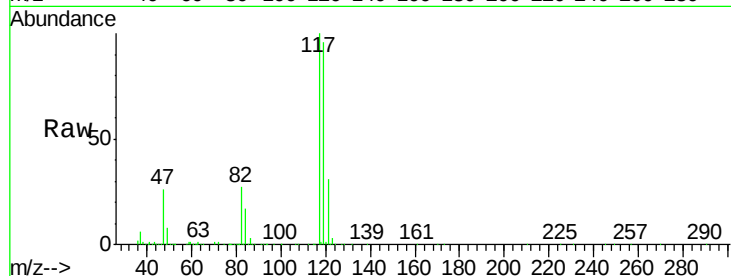
117 100

119 96.1 77.3 115.9

121 31.4 25.2 37.8

Manual Integrations
APPROVED

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#36

Benzene

Concen: 9.496 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

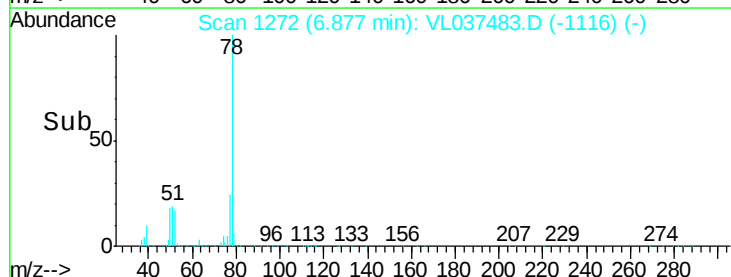
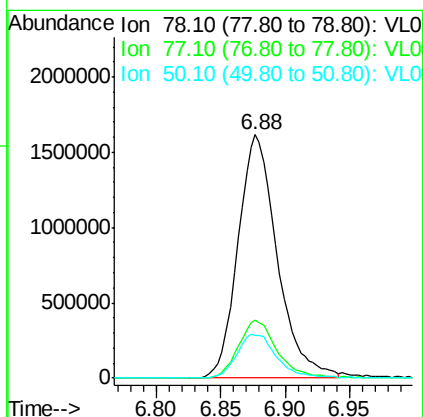
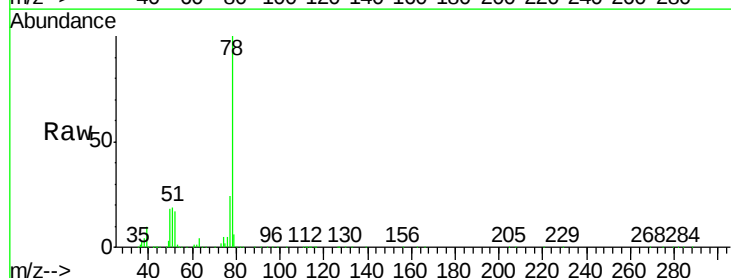
Tgt Ion: 78 Resp: 3418298

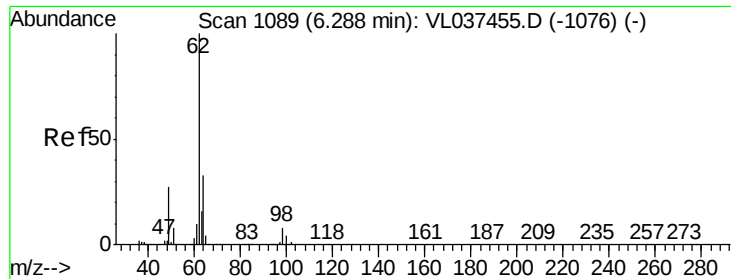
Ion Ratio Lower Upper

78 100

77 23.7 18.2 27.4

50 17.6 14.6 21.8





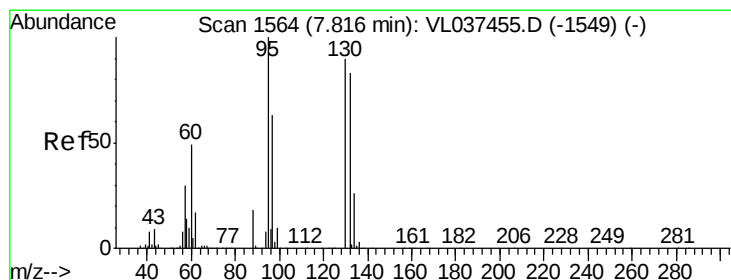
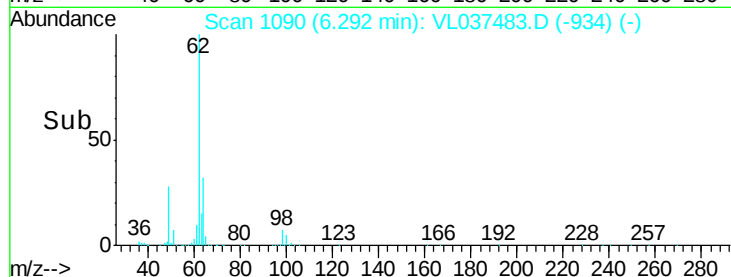
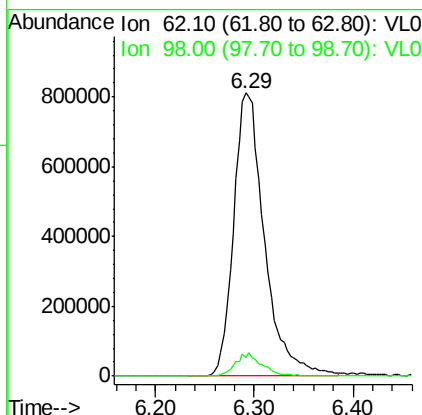
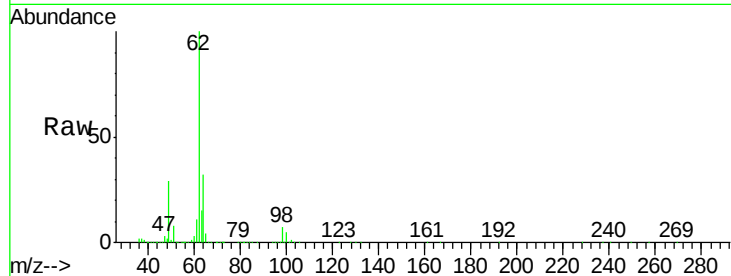
#37
 1,2-Dichloroethane
 Concen: 9.887 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.4	6.0	9.0

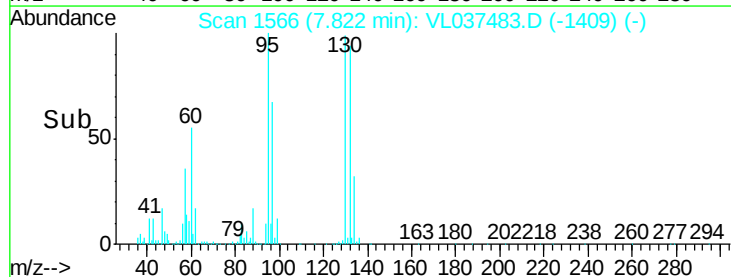
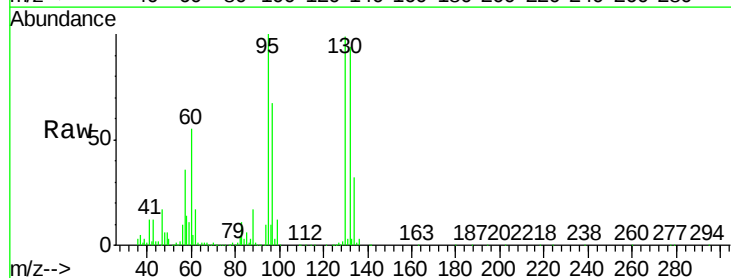
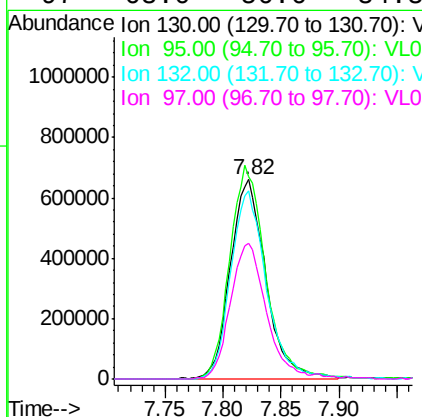
Manual Integrations
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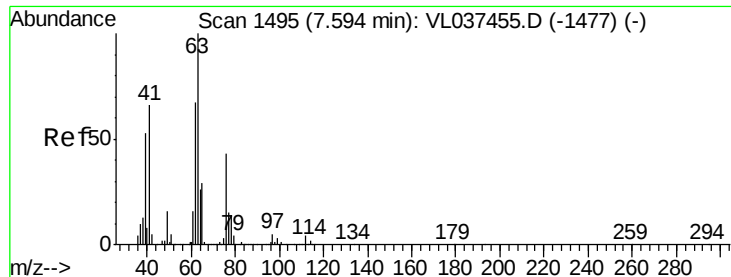
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#38
 Trichloroethene
 Concen: 9.447 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.5	89.2	133.8
132	94.9	74.0	111.0
97	68.0	56.6	84.8





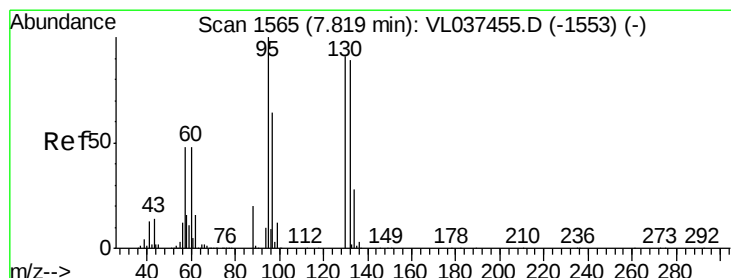
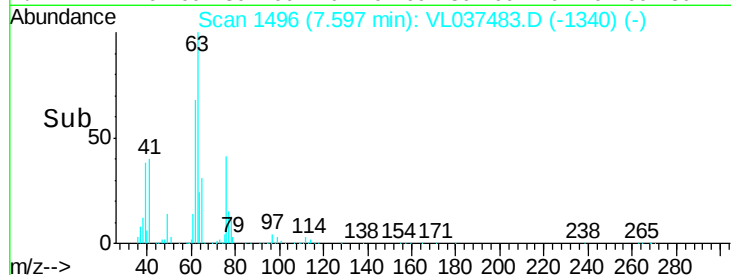
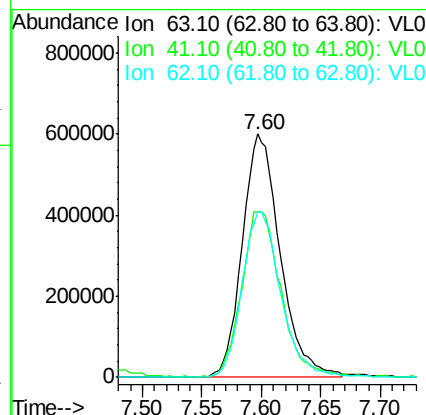
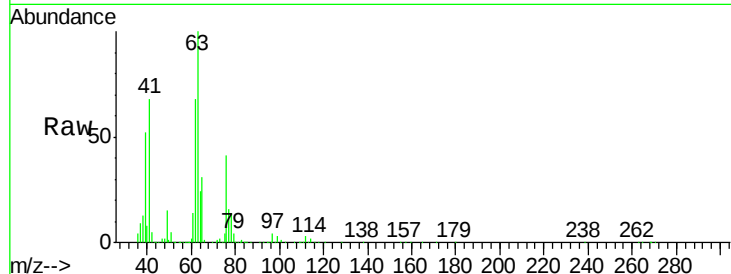
#39
 1,2-Dichloropropane
 Concen: 9.557 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.7	52.4	78.6
62	67.7	53.6	80.4

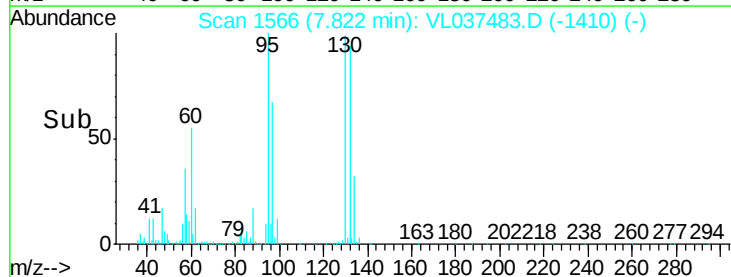
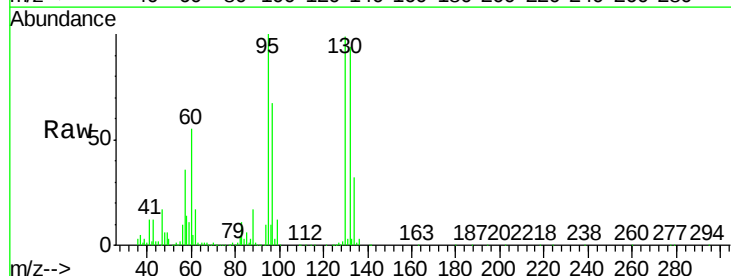
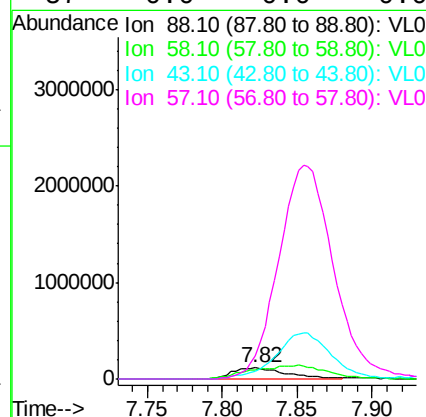
Manual Integrations
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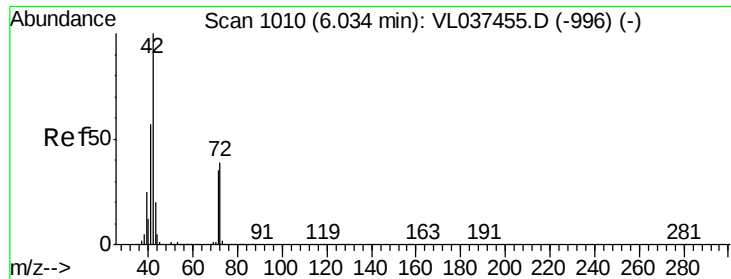
MMDadoda
 8/19/2021 5:59:58 PM



#40
 1,4-Dioxane
 Concen: 8.785 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

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





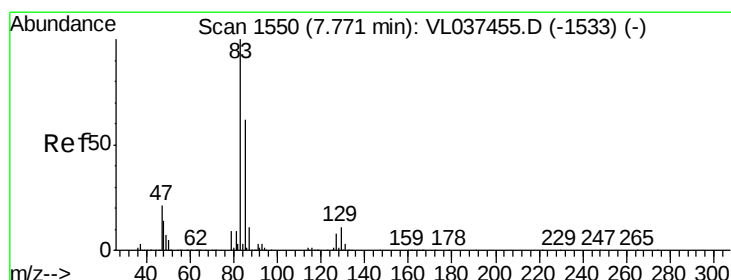
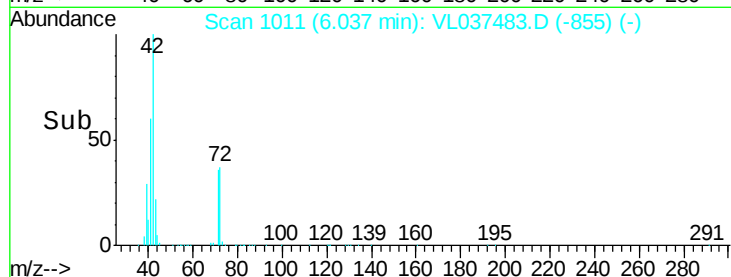
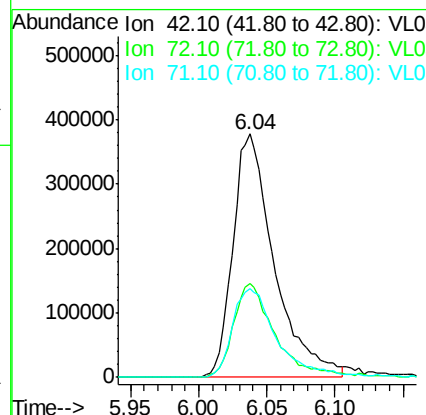
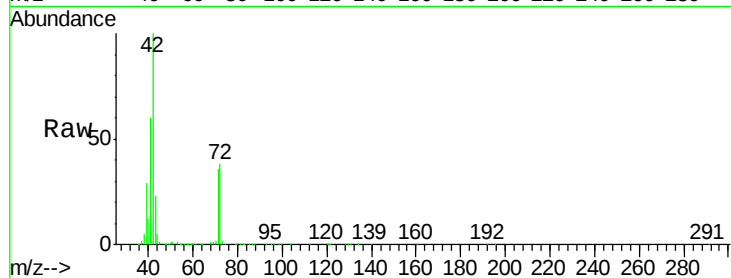
#41
Tetrahydrofuran
Concen: 9.446 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.2	48.4
71	39.5	30.5	45.7

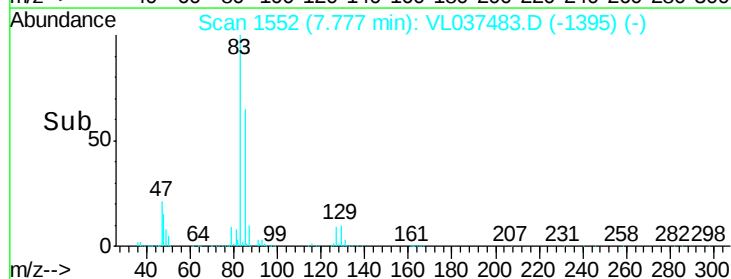
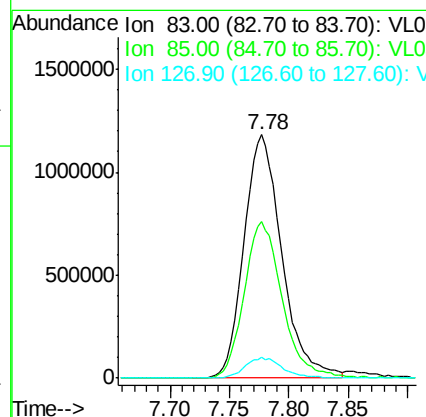
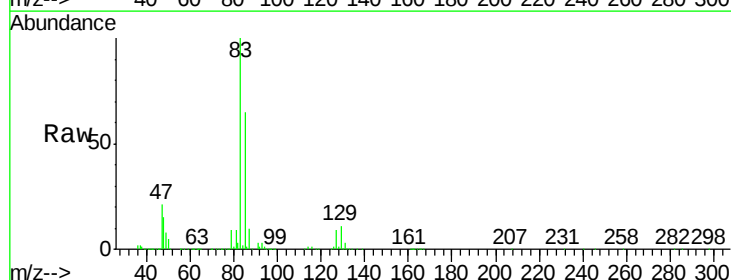
Manual Integrations
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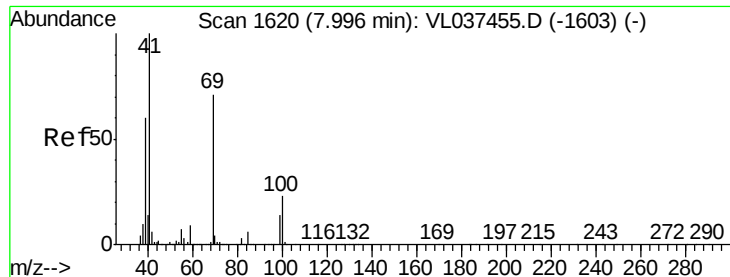
MMDadoda
8/19/2021 5:59:58 PM



#42
Bromodichloromethane
Concen: 9.994 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.5	74.3
127	8.6	6.3	9.5





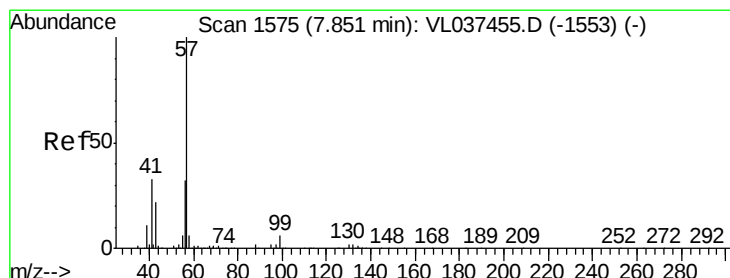
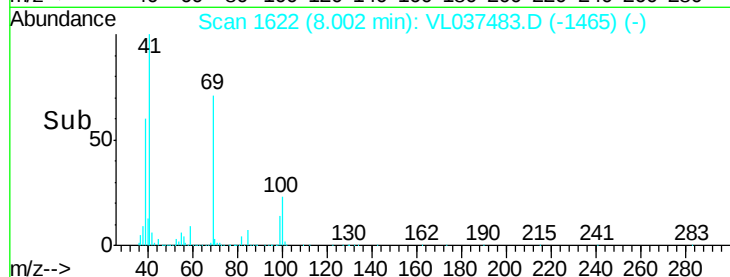
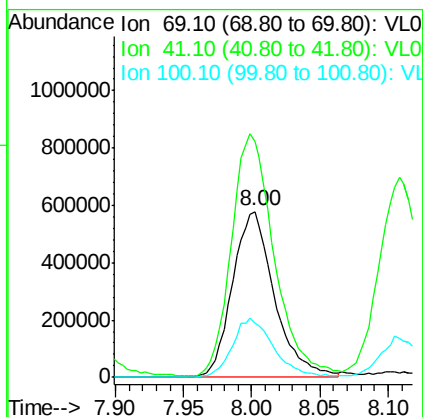
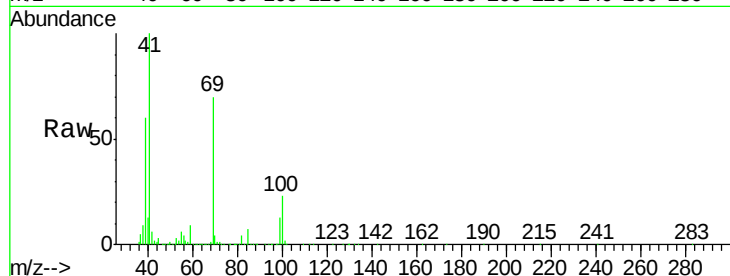
#43
Methvl Methacrylate
Concen: 9.799 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1229437
Ion Ratio Lower Upper
69 100
41 150.4 118.6 178.0
100 35.2 27.4 41.0

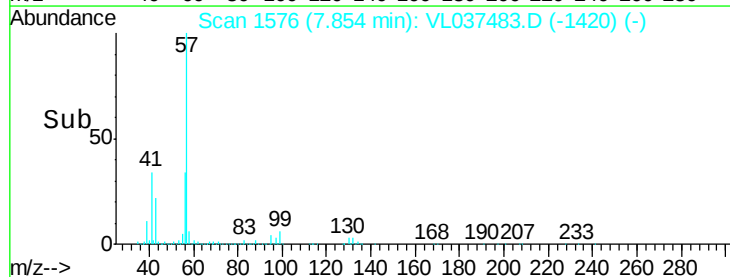
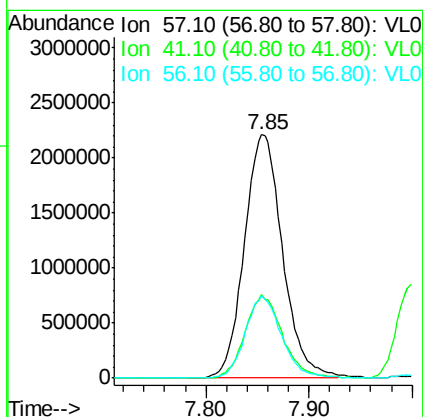
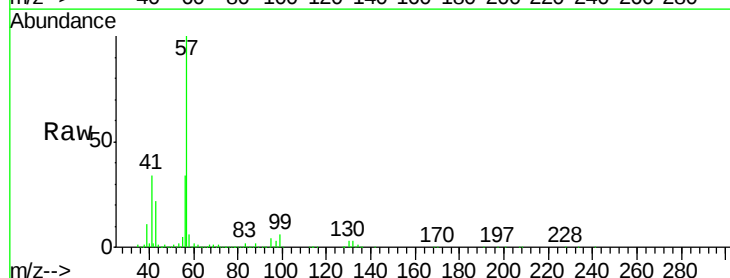
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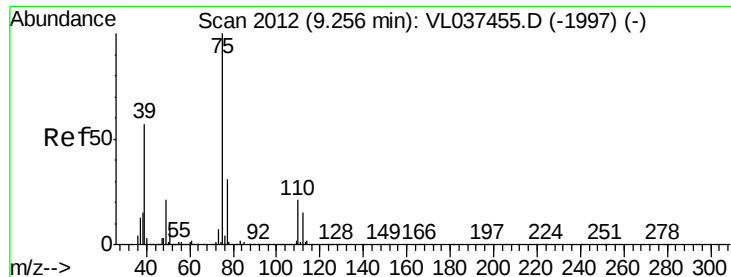
MMDadoda
8/19/2021 5:59:58 PM



#44
2,2,4-Trimethylpentane
Concen: 9.381 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 57 Resp: 5683270
Ion Ratio Lower Upper
57 100
41 33.6 26.2 39.4
56 32.1 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 8.779 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 829243

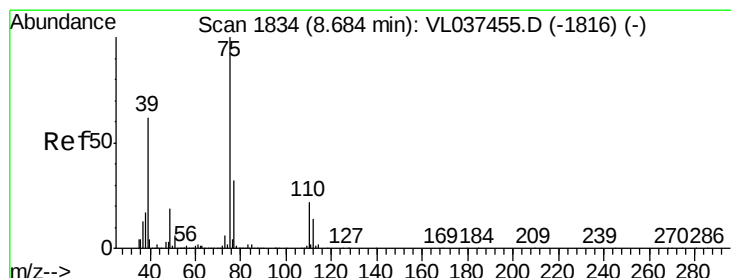
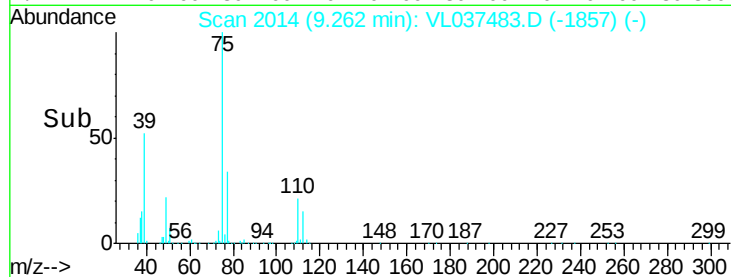
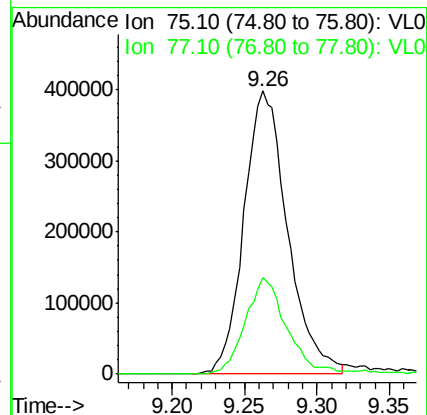
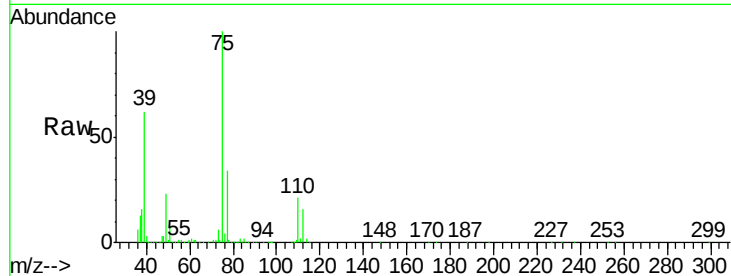
Ion Ratio Lower Upper

75 100

77 34.2 24.5 36.7

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8/19/2021 5:59:58 PM



#46

cis-1,3-Dichloropropene

Concen: 8.483 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

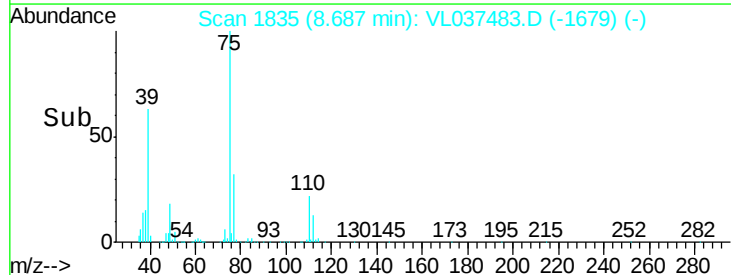
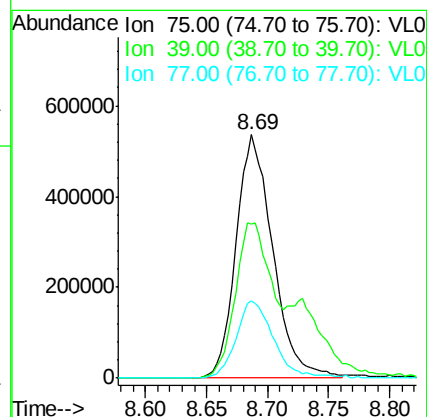
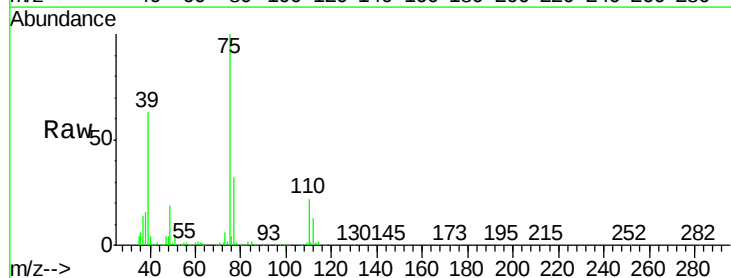
Tgt Ion: 75 Resp: 1117690

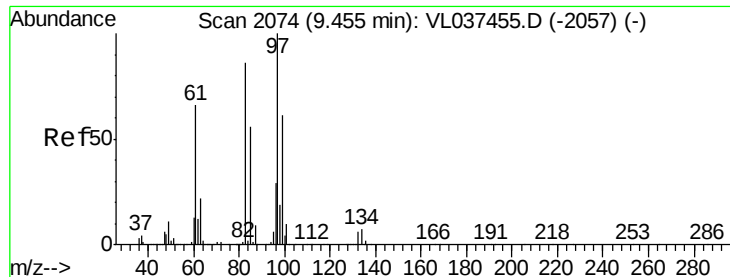
Ion Ratio Lower Upper

75 100

39 63.4 49.7 74.5

77 31.9 25.4 38.0





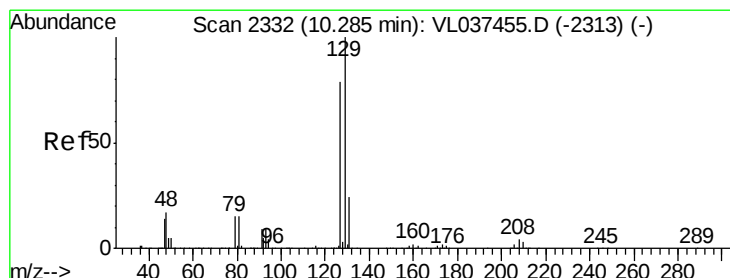
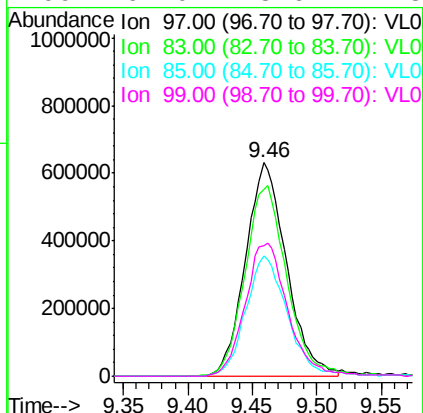
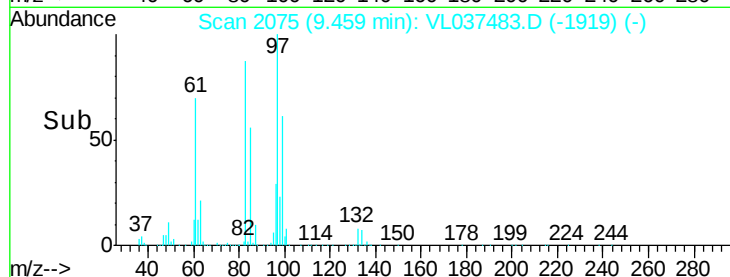
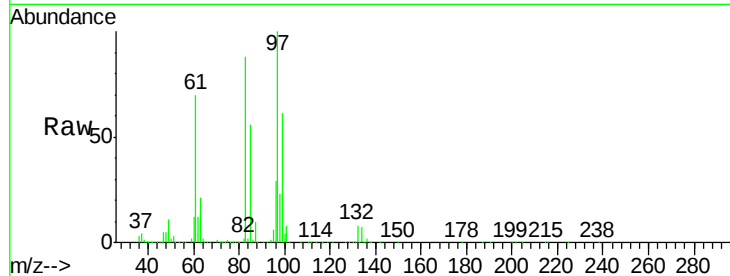
#47
 1,1,2-Trichloroethane
 Concen: 9.359 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.5	68.7	103.1	
85	56.5	44.7	67.1	
99	61.0	48.6	72.8	

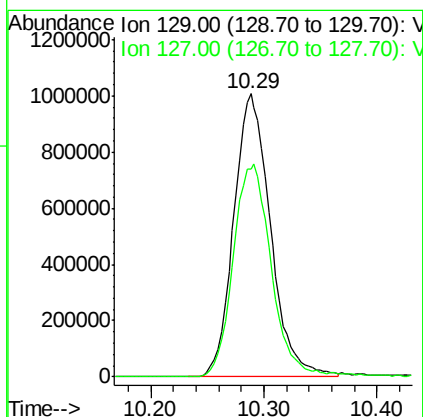
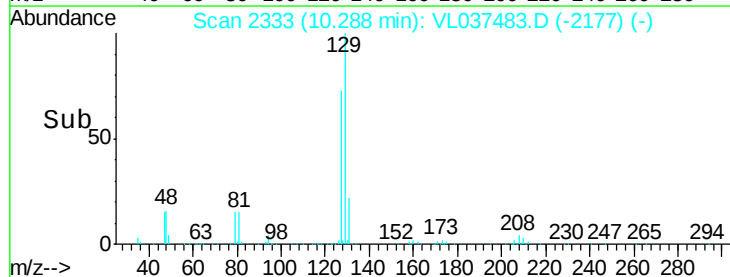
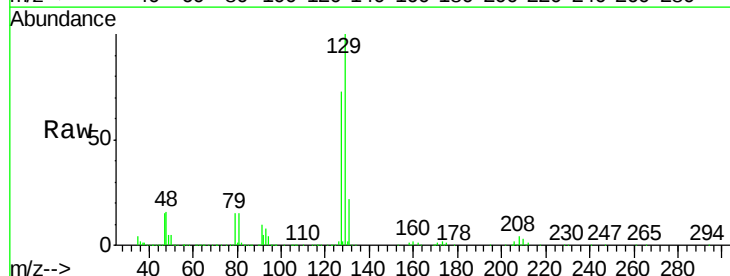
Manual Integrations
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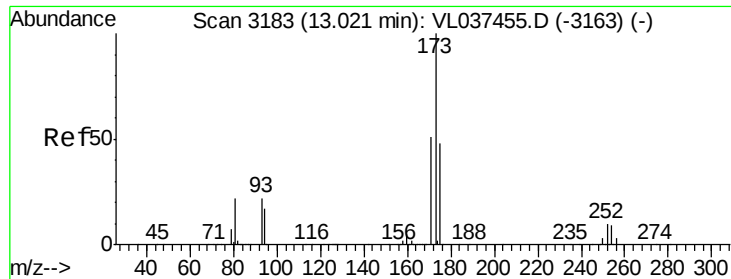
MMDadoda
 8/19/2021 5:59:58 PM



#48
 Dibromochloromethane
 Concen: 10.578 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.9	40.0	120.0	





#49

Bromoform

Concen: 11.055 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1874312

Ion Ratio Lower Upper

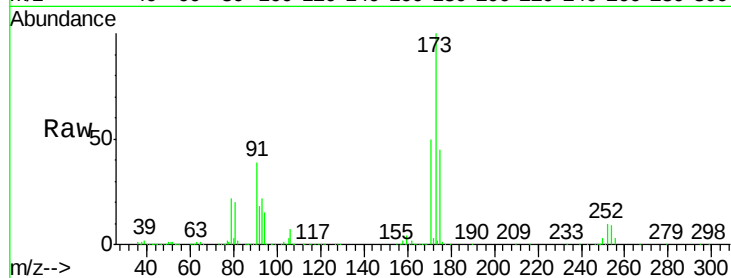
173 100

175 50.7 41.9 62.9

171 52.8 44.2 66.4

Manual Integrations
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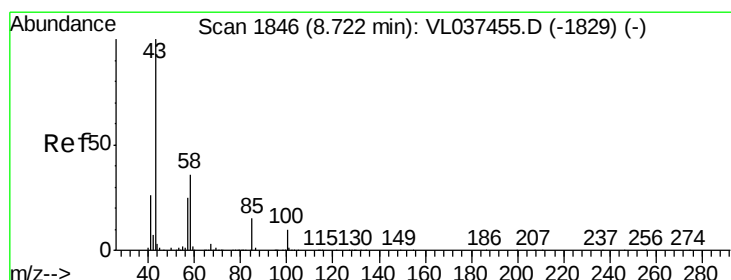
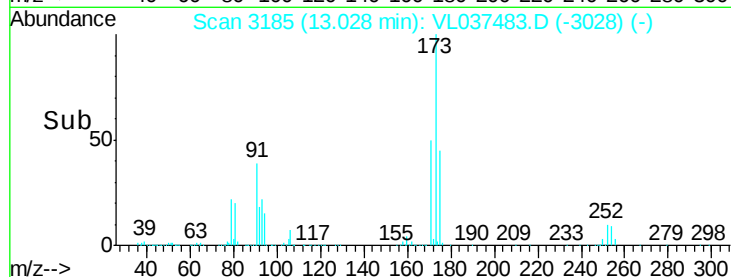
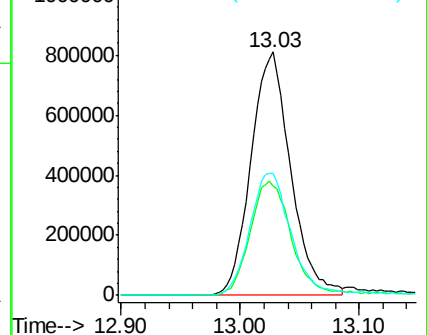
MMDadoda
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.027 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL037483.D

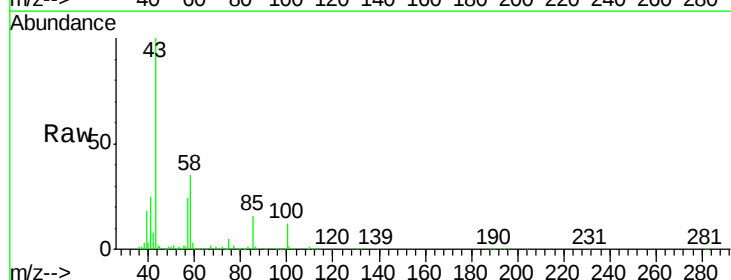
Acq: 17 Aug 2021 5:07

Tgt Ion: 43 Resp: 2287475

Ion Ratio Lower Upper

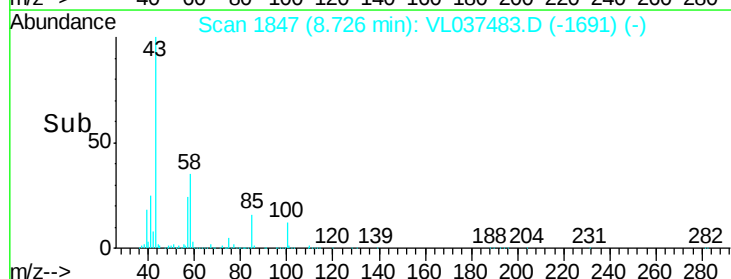
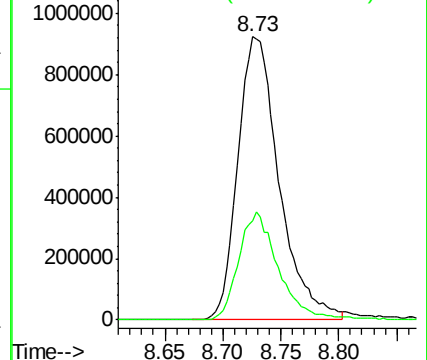
43 100

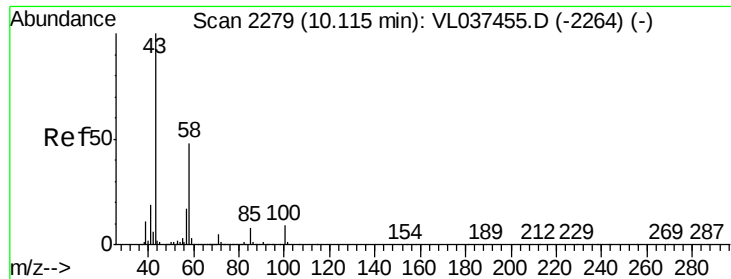
58 36.9 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





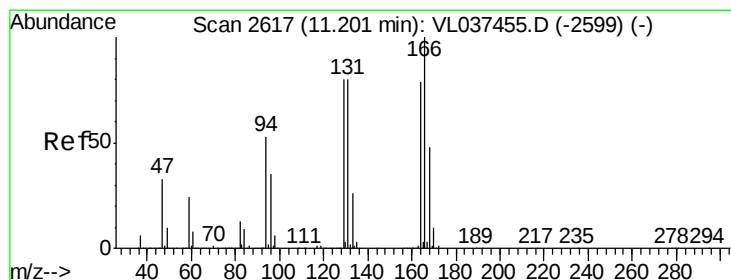
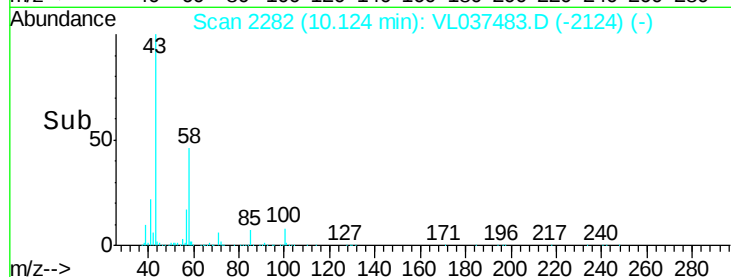
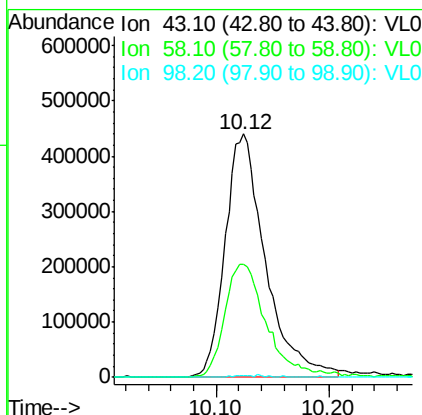
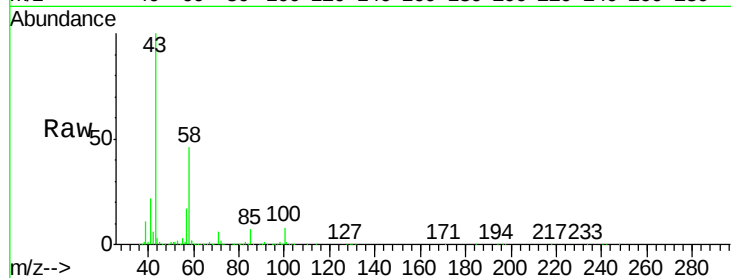
#51
2-Hexanone
Concen: 10.367 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1087849
Ion Ratio Lower Upper
43 100
58 49.7 41.0 61.6
98 0.7 0.3 0.5#

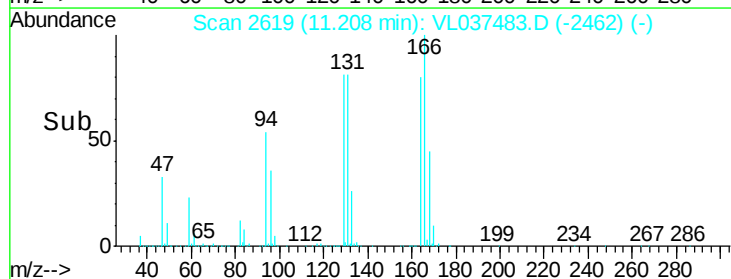
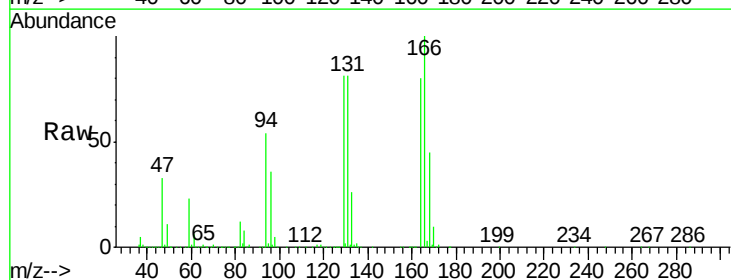
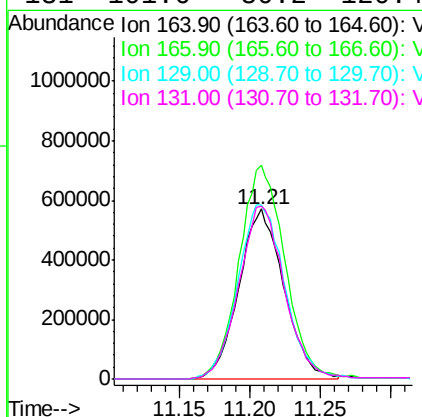
Manual Integrations
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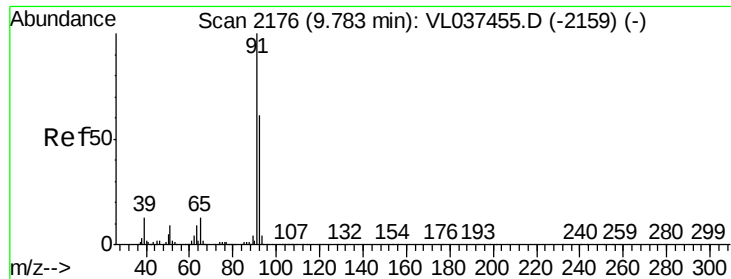
MMDadoda
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#52
Tetrachloroethene
Concen: 8.617 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 164 Resp: 1271168
Ion Ratio Lower Upper
164 100
166 125.4 100.7 151.1
129 102.1 80.9 121.3
131 101.6 80.2 120.4





#53

Toluene

Concen: 9.788 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4023269

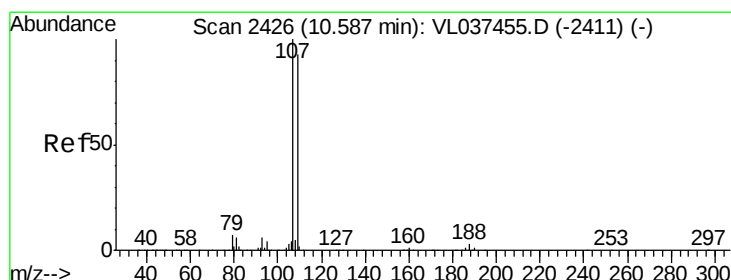
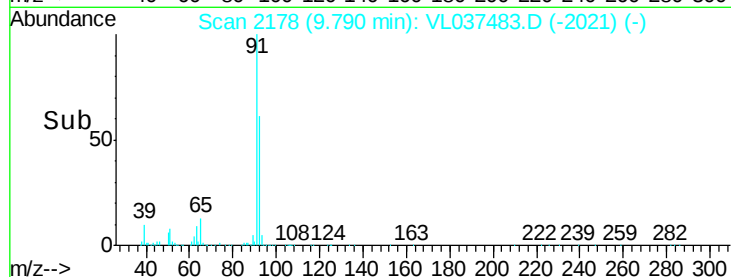
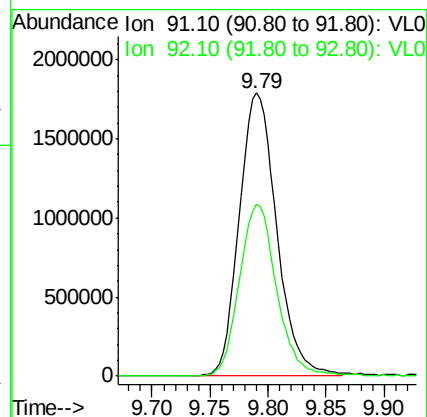
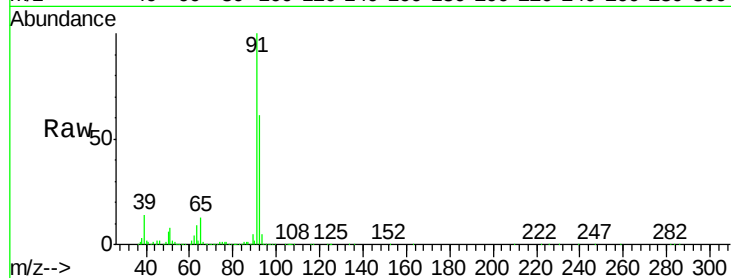
Ion Ratio Lower Upper

91 100

92 60.7 48.8 73.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.649 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037483.D

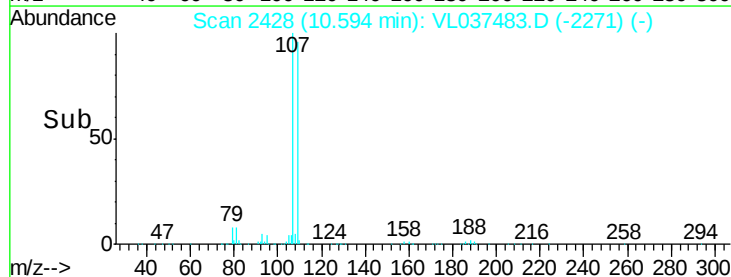
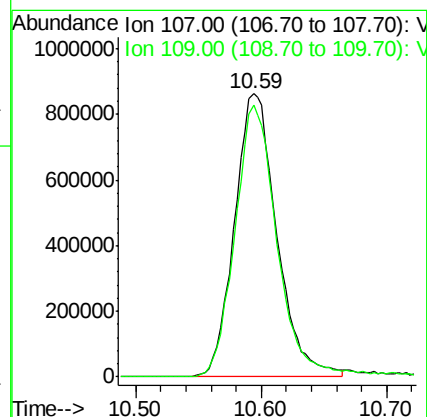
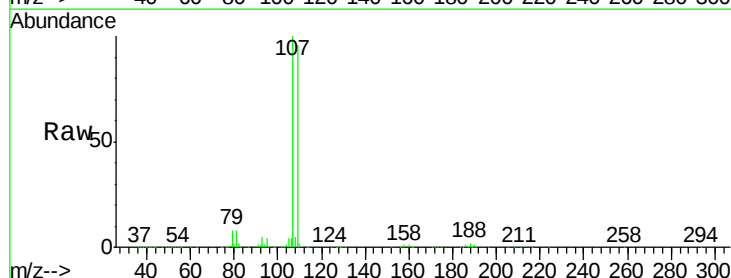
Acq: 17 Aug 2021 5:07

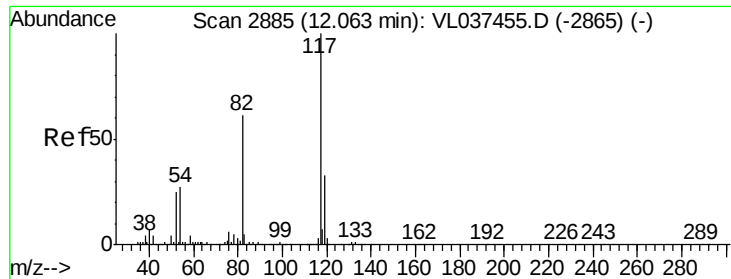
Tgt Ion: 107 Resp: 2013310

Ion Ratio Lower Upper

107 100

109 95.9 74.2 111.4





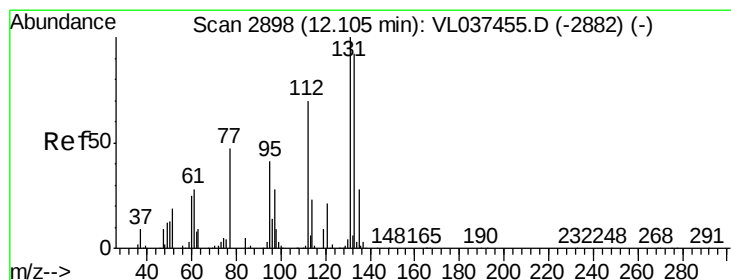
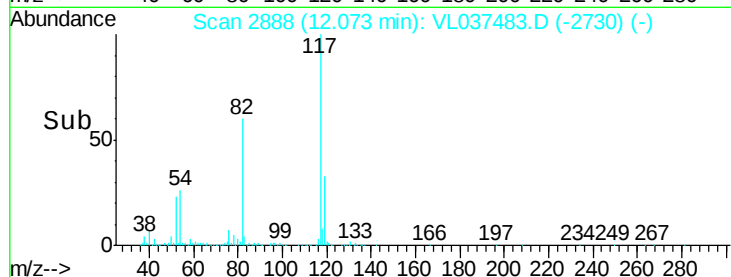
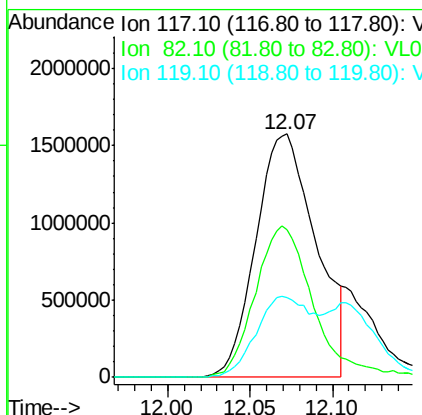
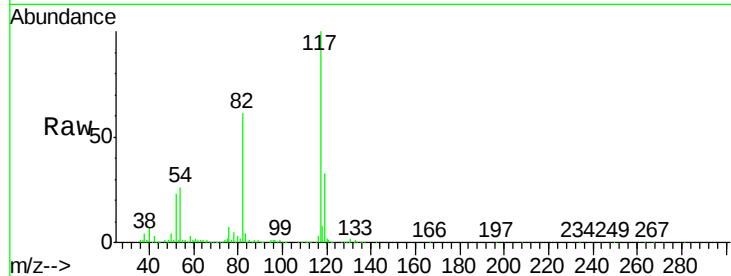
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	52.9	79.3
119	58.0	24.8	37.2#

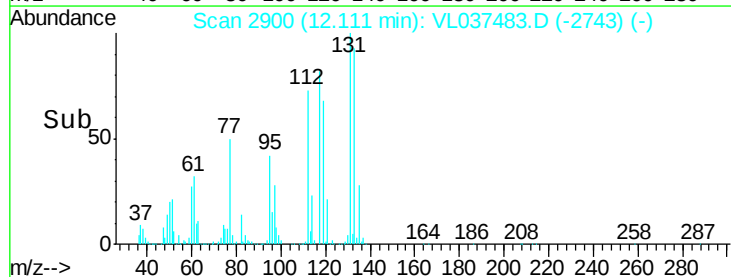
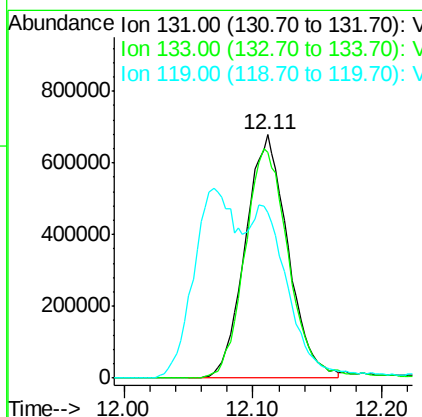
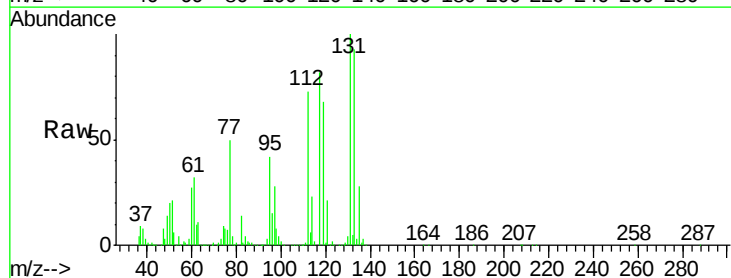
Manual Integrations
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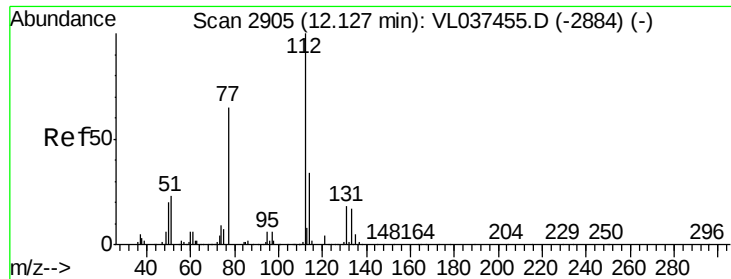
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.368 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.5	78.7	118.1
119	64.8	56.6	85.0





#57

Chlorobenzene

Concen: 8.953 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2972785

Ion Ratio Lower Upper

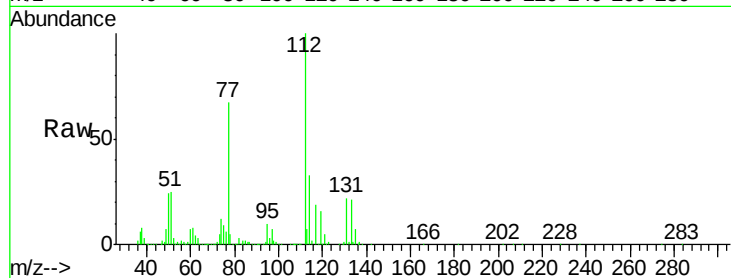
112 100

77 65.3 51.6 77.4

114 33.4 30.7 37.5

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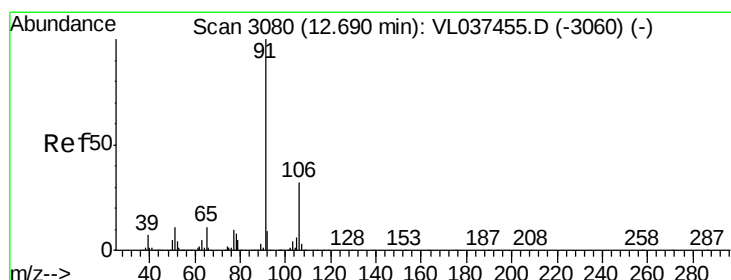
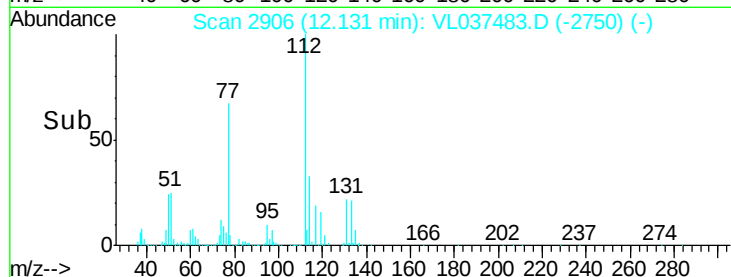
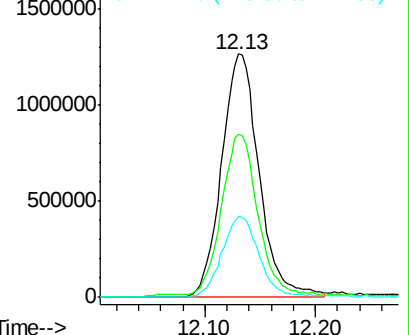
MMDadoda
8/19/2021 5:59:58 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.469 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VL037483.D

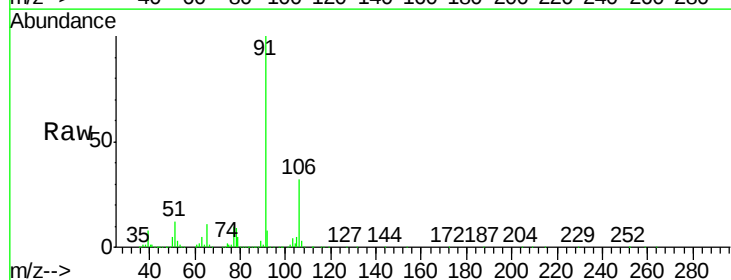
Acq: 17 Aug 2021 5:07

Tgt Ion: 91 Resp: 5257848

Ion Ratio Lower Upper

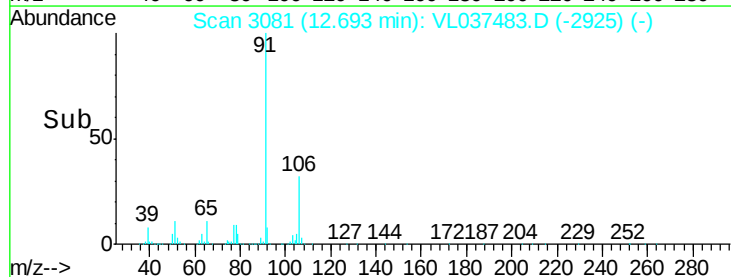
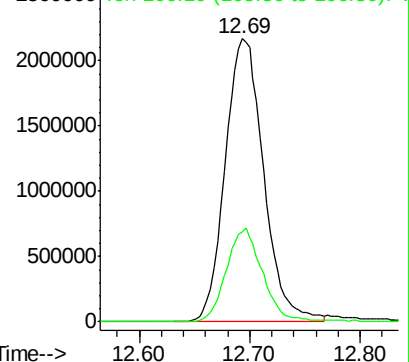
91 100

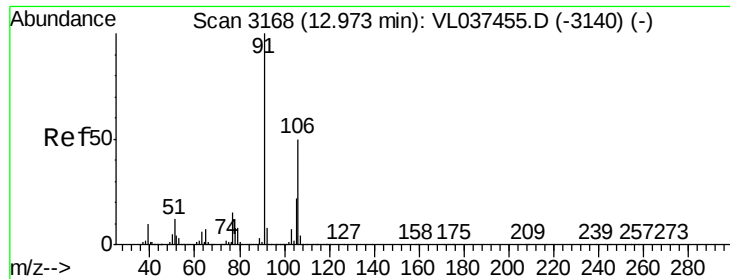
106 31.7 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





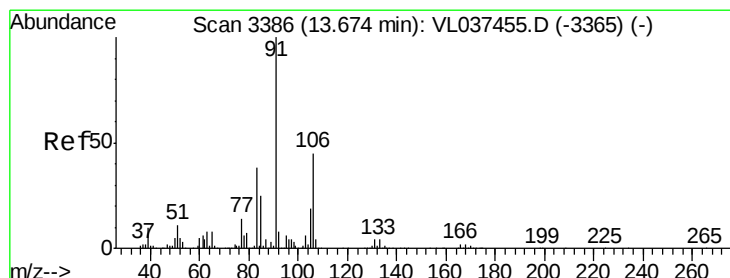
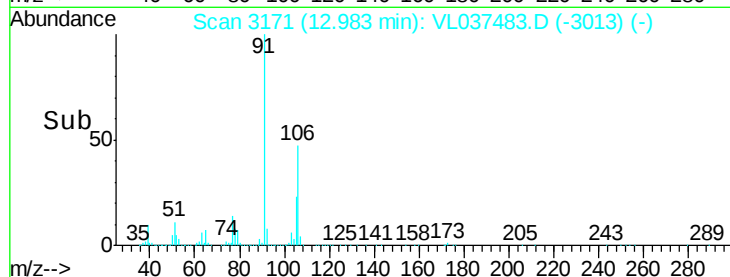
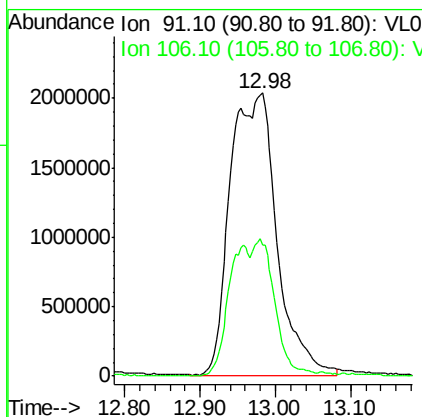
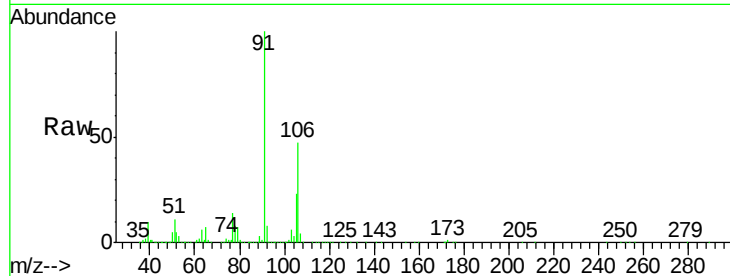
#59
m/p-Xylene
Concen: 18.360 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8837563
Ion Ratio Lower Upper
91 100
106 46.0 36.9 55.3

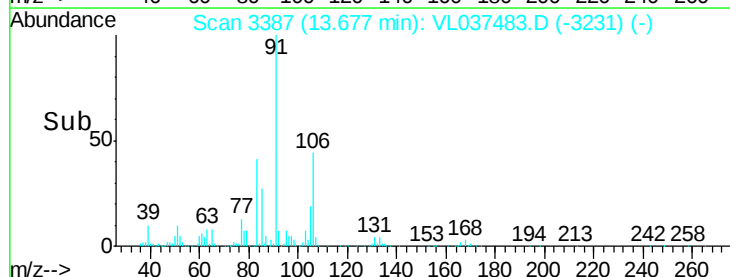
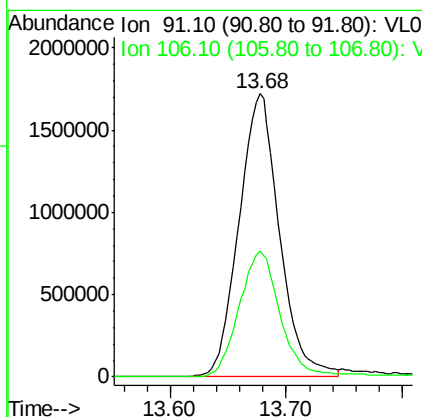
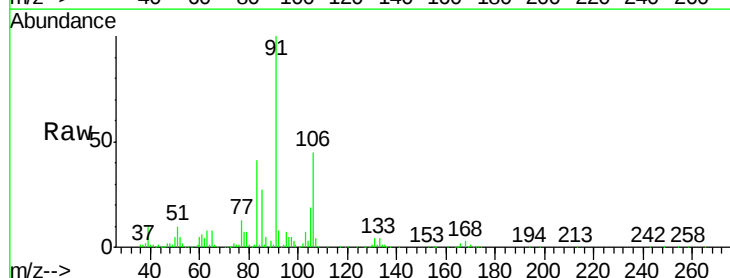
Manual Integrations
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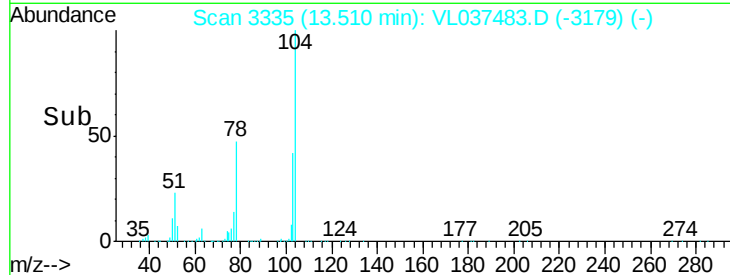
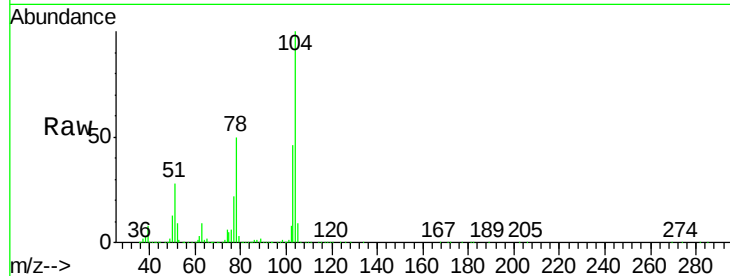
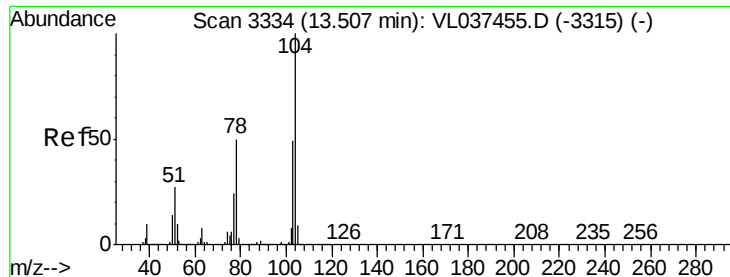
MMDadoda
8/19/2021 5:59:58 PM



#60
o-Xylene
Concen: 9.247 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 91 Resp: 4154594
Ion Ratio Lower Upper
91 100
106 46.2 23.7 71.1





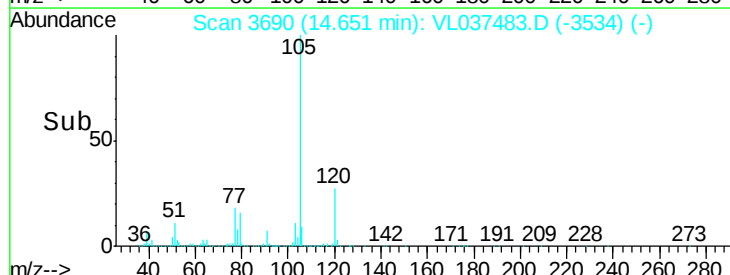
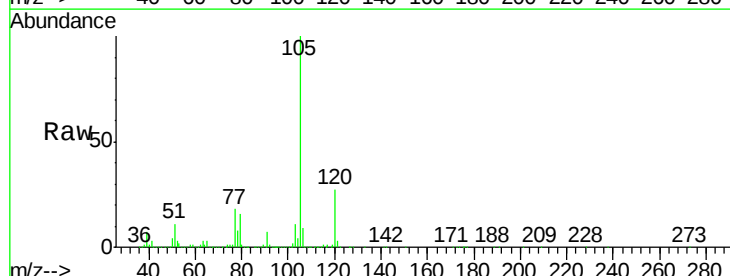
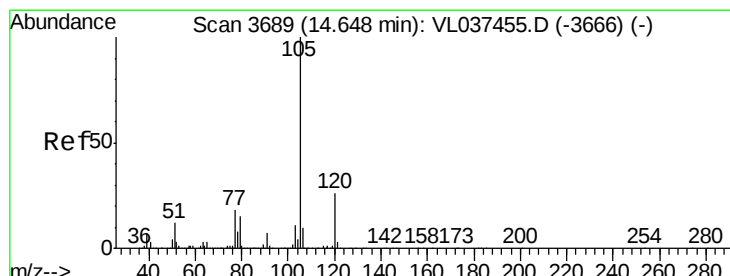
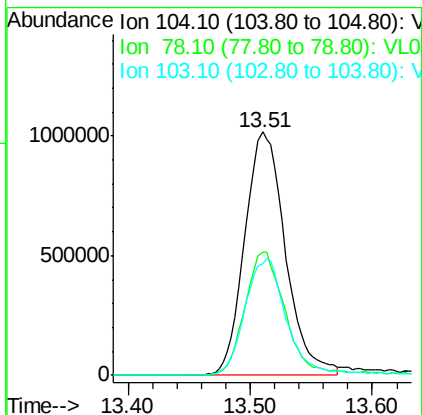
#61
Stvrene
Concen: 10.058 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tot Ion:	104	Resp:	2347314
Ion	Ratio	Lower	Upper
104	100		
78	50.9	41.3	61.9
103	49.4	39.4	59.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

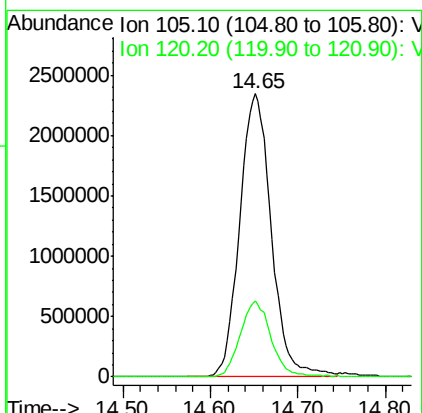
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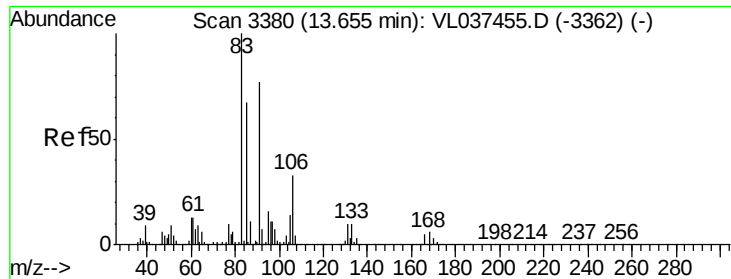
MMDadoda
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#62
Isopropylbenzene
Concen: 9.279 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion:	105	Resp:	5883812
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.5	32.3





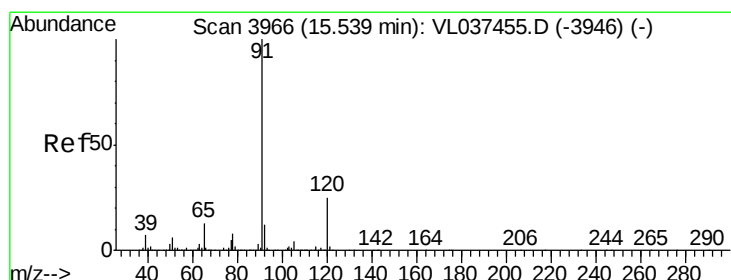
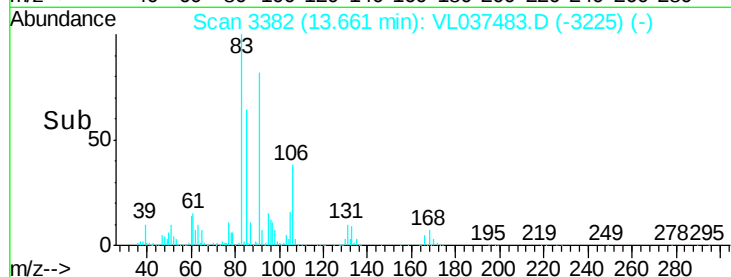
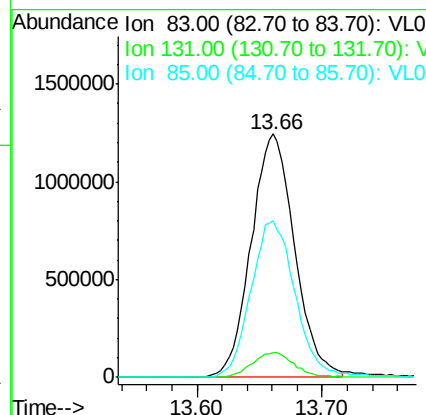
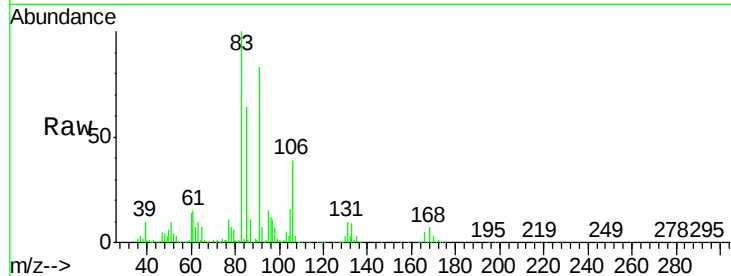
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.944 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2986528
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.0 15.0
 85 66.0 33.8 101.3

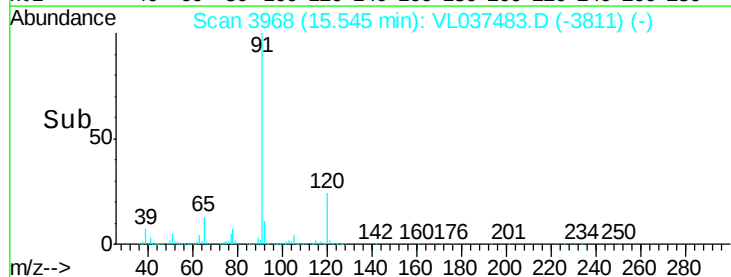
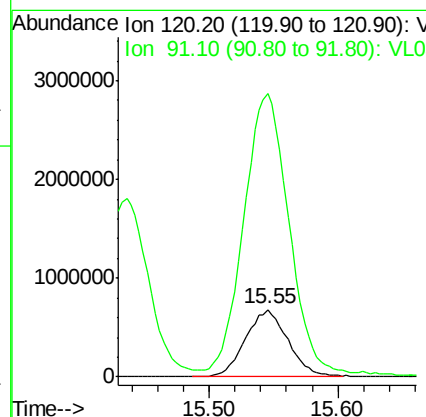
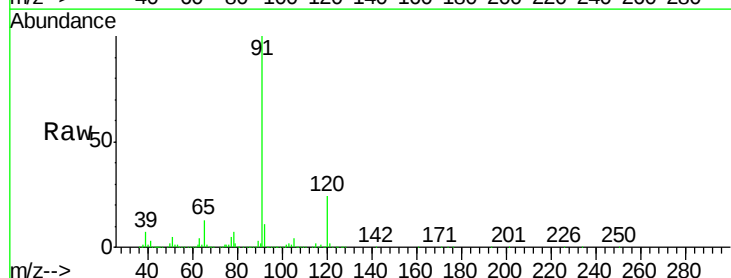
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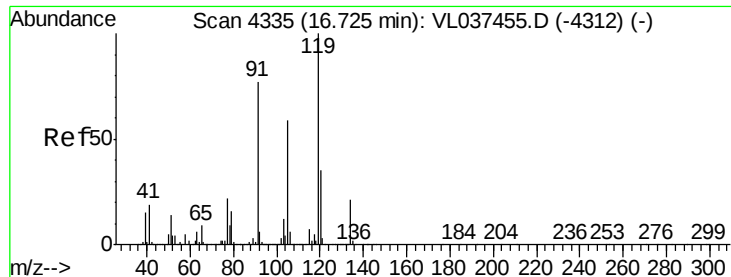
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 8/19/2021 5:59:58 PM



#64
 n-propylbenzene
 Concen: 9.696 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion: 120 Resp: 1564538
 Ion Ratio Lower Upper
 120 100
 91 456.8 373.8 560.6





#65

tert-Butylbenzene

Concen: 9.012 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 5204292

Ion Ratio Lower Upper

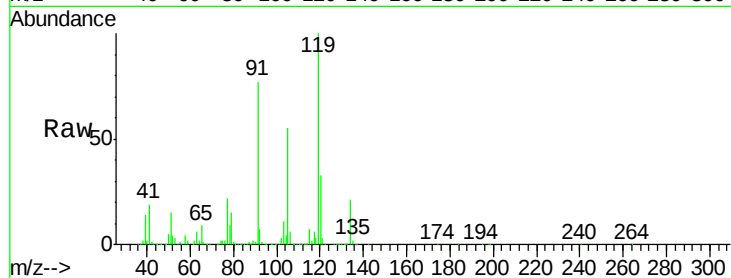
119 100

91 78.3 62.9 94.3

134 20.4 16.4 24.6

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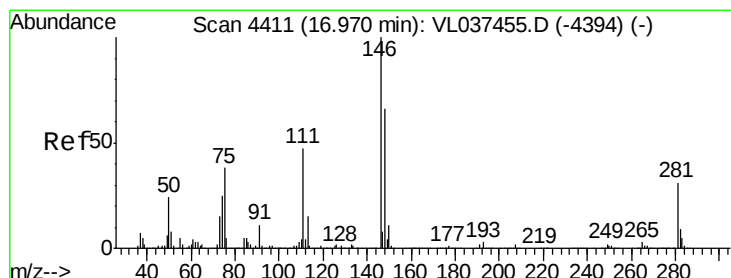
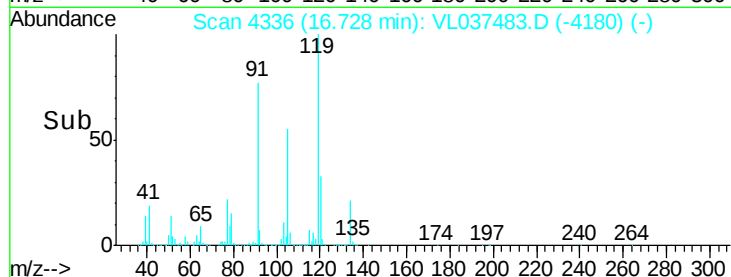
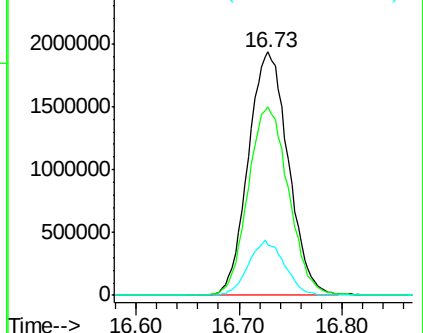
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.610 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

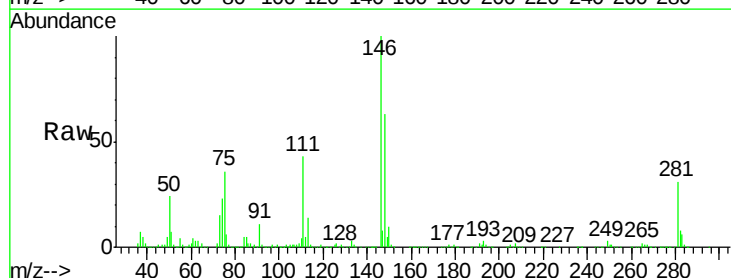
Tgt Ion: 91 Resp: 277165

Ion Ratio Lower Upper

91 100

126 19.6 15.9 23.9

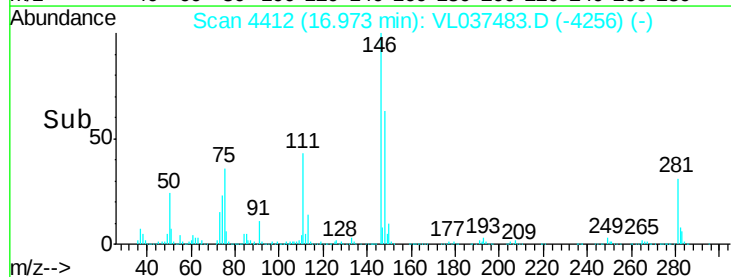
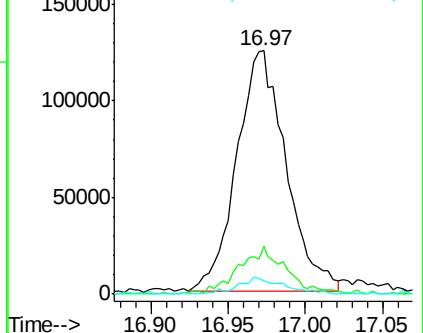
128 6.7 5.4 8.0

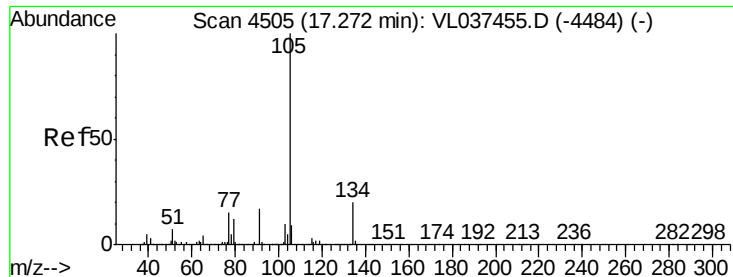


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.979 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7244929

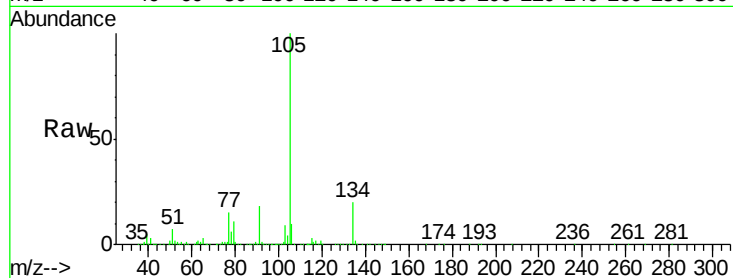
Ion Ratio Lower Upper

105 100

134 19.1 15.2 22.8

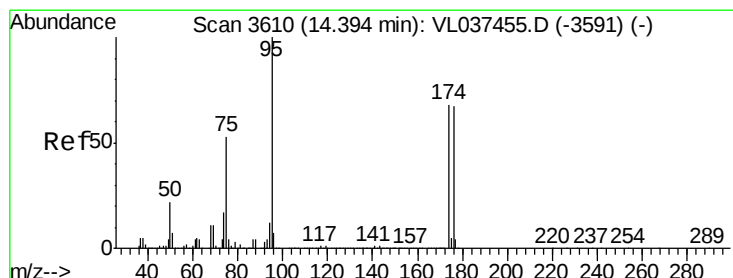
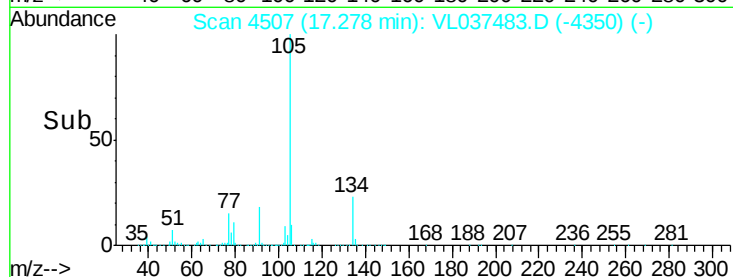
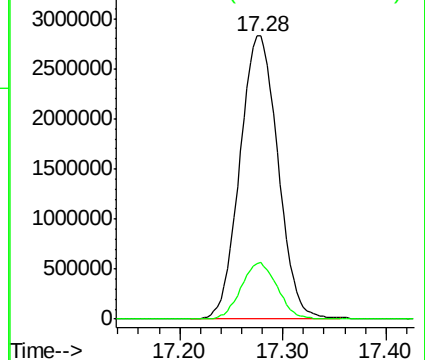
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.218 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

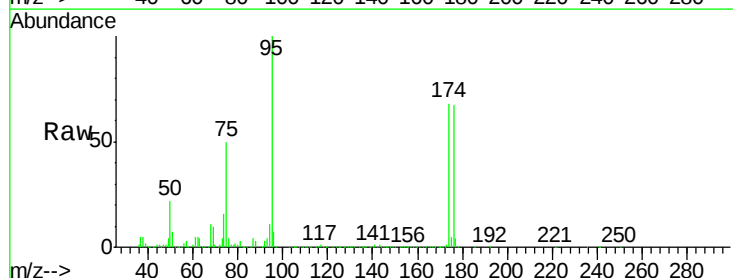
Tgt Ion: 95 Resp: 2904417

Ion Ratio Lower Upper

95 100

174 72.5 59.6 89.4

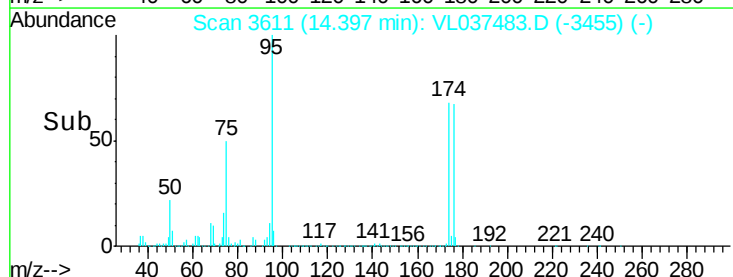
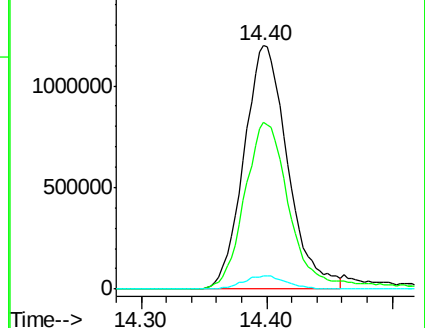
175 5.7 4.6 7.0

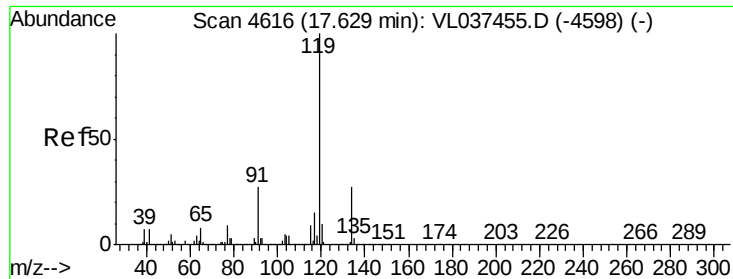


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 9.267 ppbv

RT: 17.64 min Scan# 4618

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 6093277

Ion Ratio Lower Upper

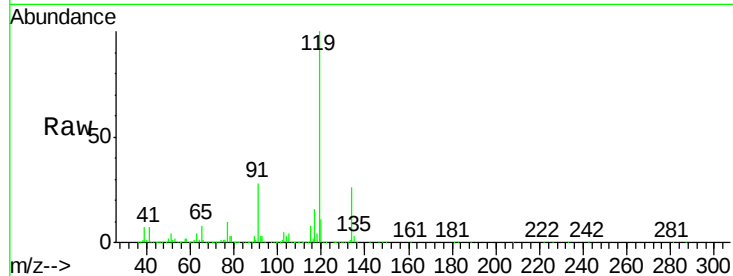
119 100

134 26.0 21.1 31.7

91 28.1 22.4 33.6

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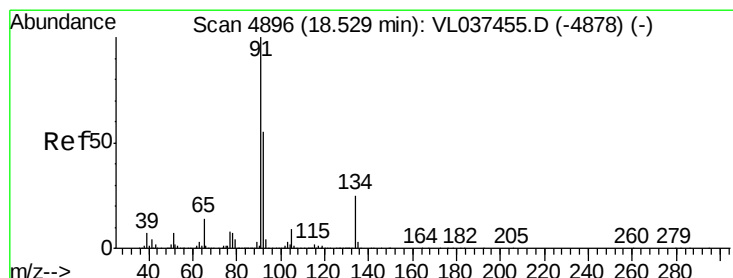
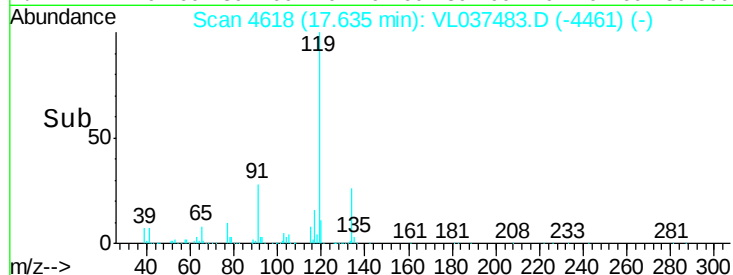
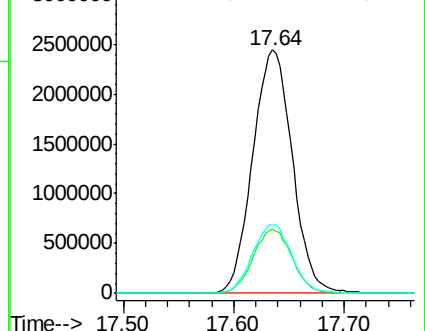
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.560 ppbv

RT: 18.53 min Scan# 4896

Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

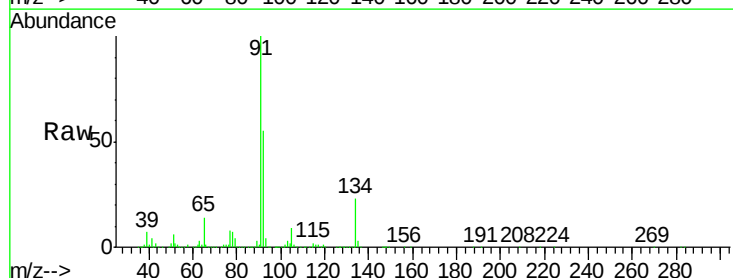
Tgt Ion: 91 Resp: 6007249

Ion Ratio Lower Upper

91 100

92 54.3 44.0 66.0

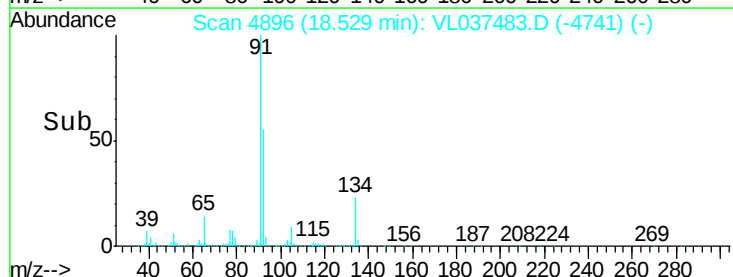
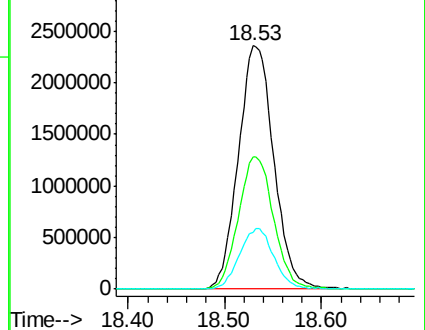
134 24.4 19.5 29.3

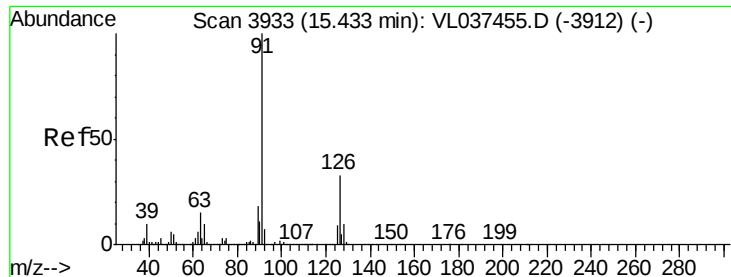


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





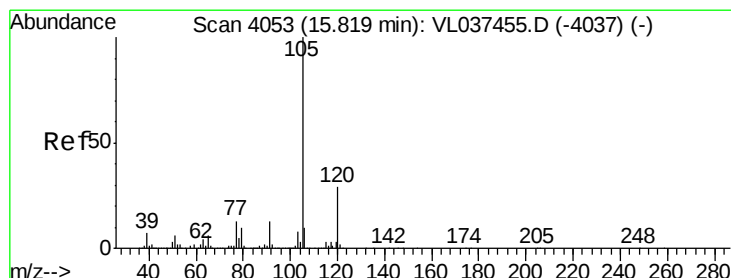
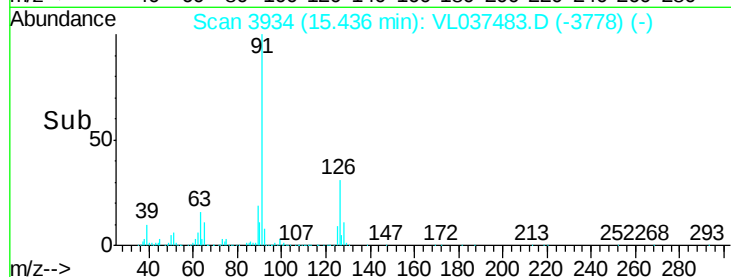
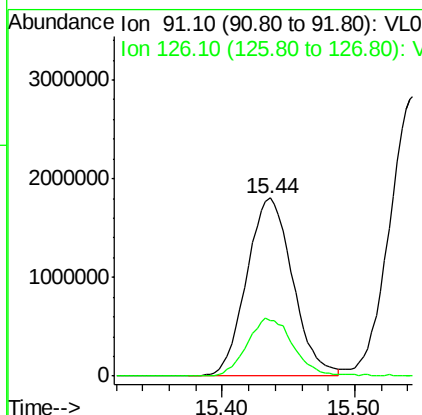
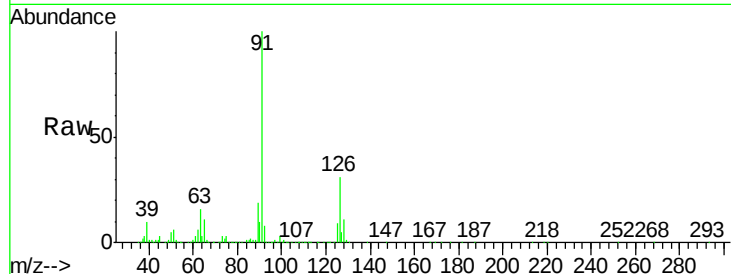
#71
 2-Chlorotoluene
 Concen: 9.385 ppbv
 RT: 15.44 min Scan# 3934
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 4363862
 Ion Ratio Lower Upper
 91 100
 126 33.2 13.6 54.4

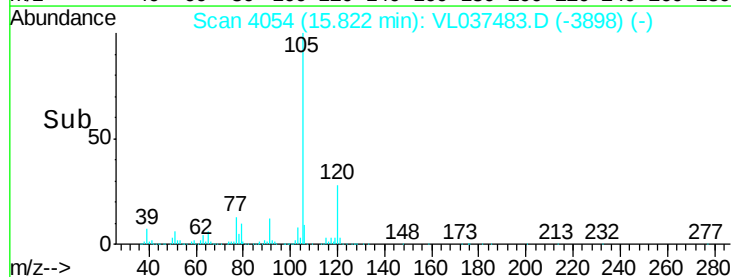
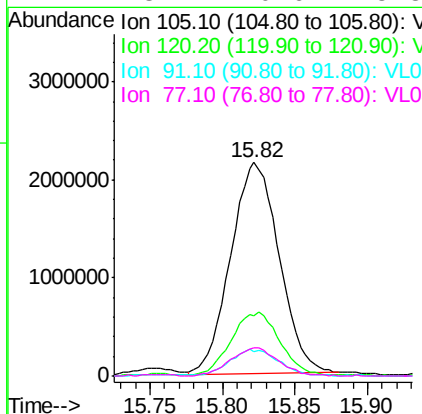
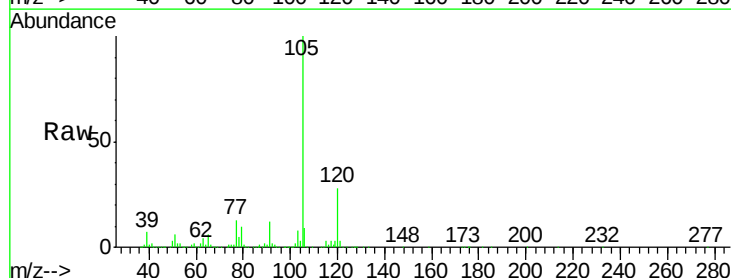
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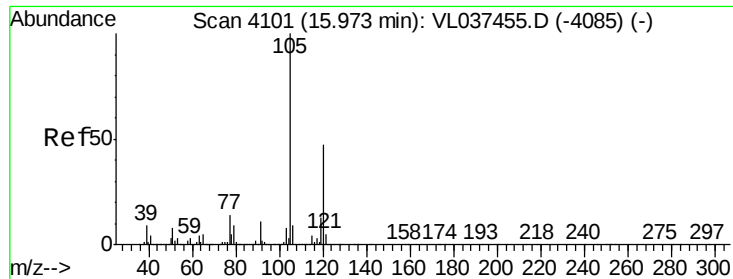
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#72
 4-Ethyltoluene
 Concen: 9.360 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion: 105 Resp: 5001662
 Ion Ratio Lower Upper
 105 100
 120 31.1 24.7 37.1
 91 12.7 9.8 14.8
 77 13.1 10.6 15.8





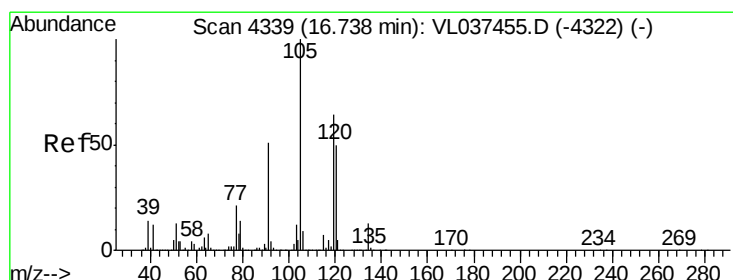
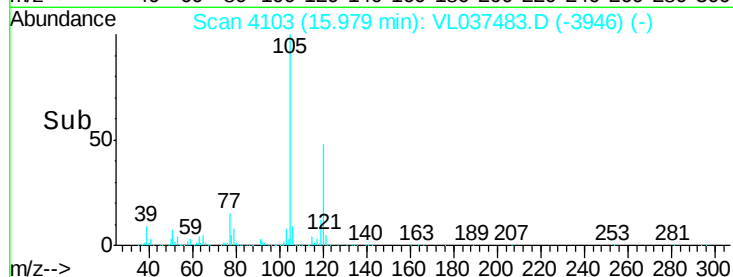
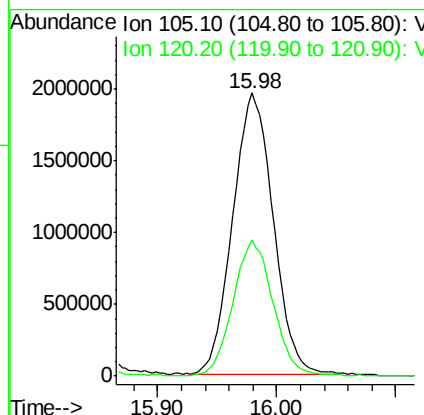
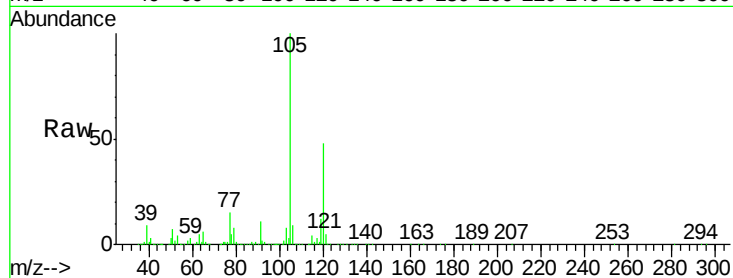
#73
 1,3,5-Trimethylbenzene
 Concen: 9.271 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4611699
 Ion Ratio Lower Upper
 105 100
 120 48.3 37.6 56.4

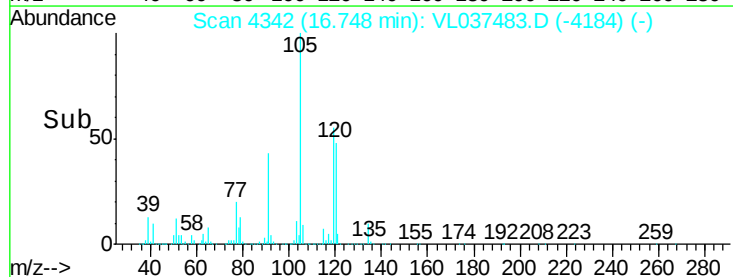
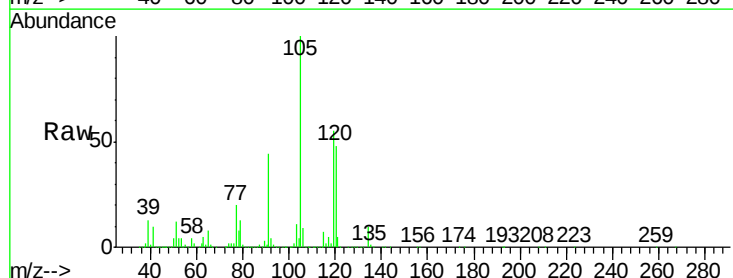
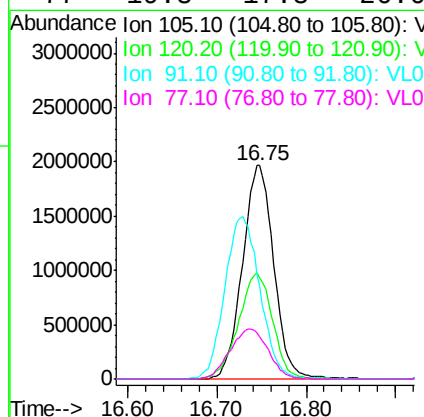
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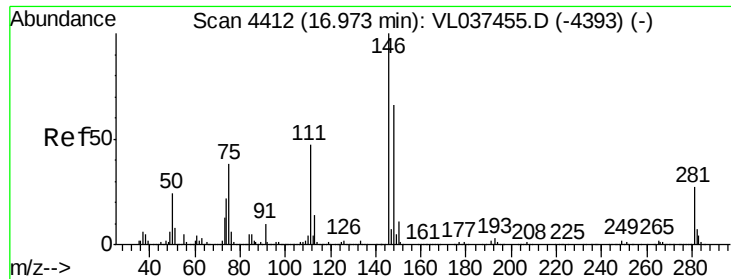
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.024 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion:105 Resp: 4770007
 Ion Ratio Lower Upper
 105 100
 120 47.6 40.4 60.6
 91 43.2 44.6 67.0#
 77 19.8 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 9.051 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2879842

Ion Ratio Lower Upper

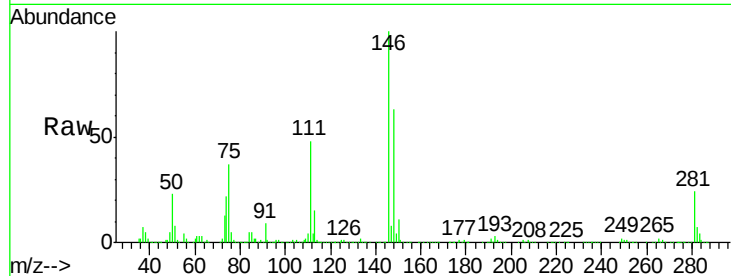
146 100

111 45.6 23.4 70.0

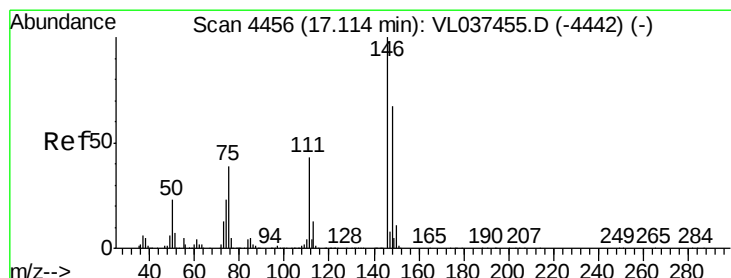
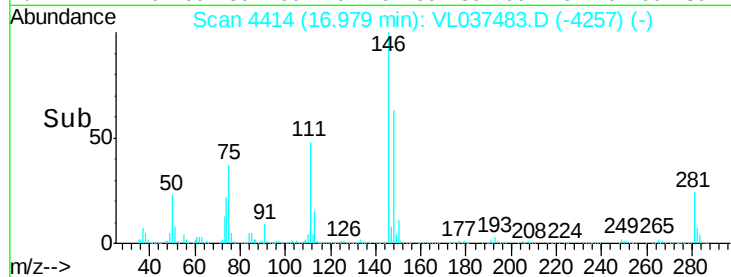
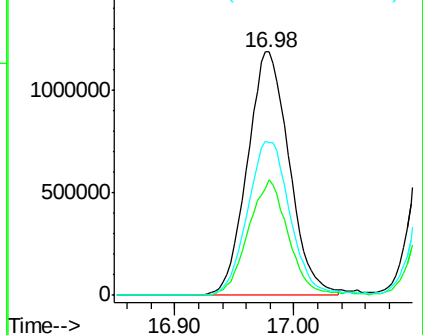
148 64.7 33.1 99.5

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.763 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

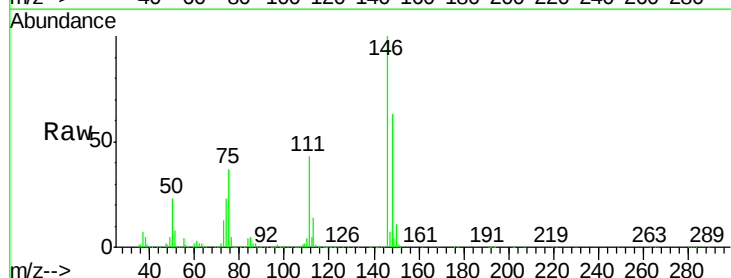
Tgt Ion:146 Resp: 2808701

Ion Ratio Lower Upper

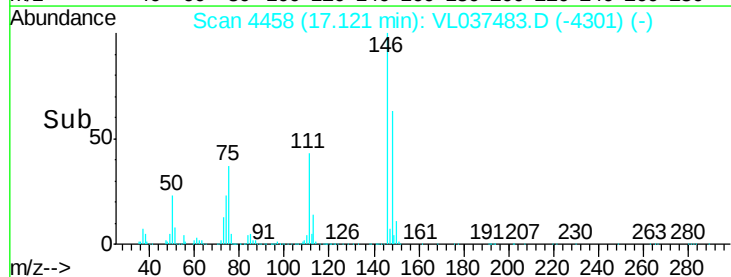
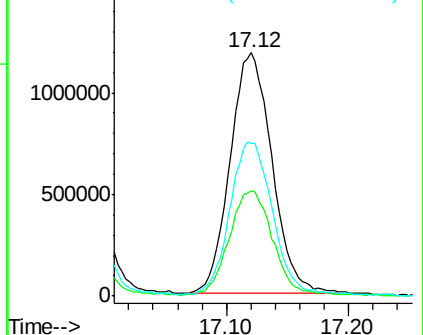
146 100

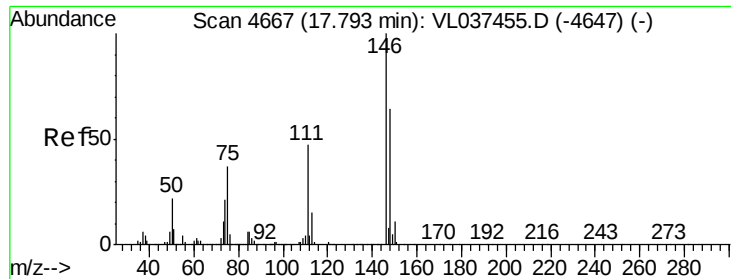
111 46.4 22.1 66.5

148 67.0 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





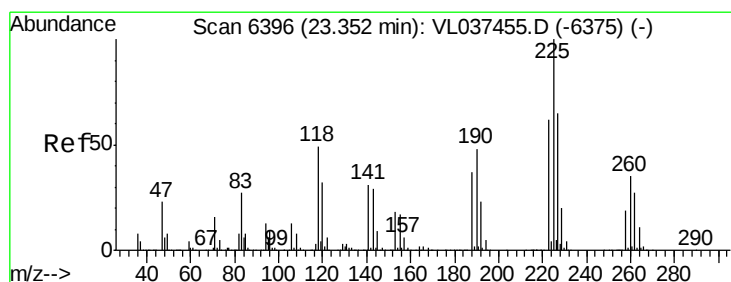
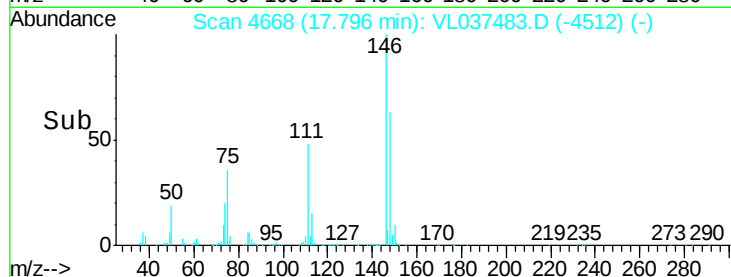
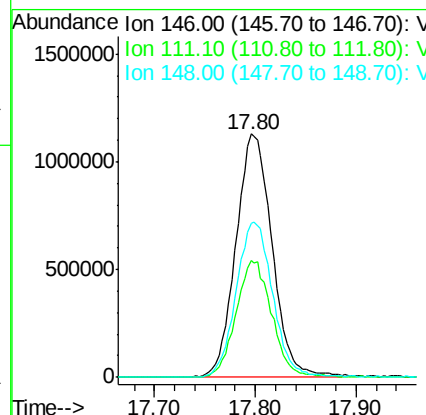
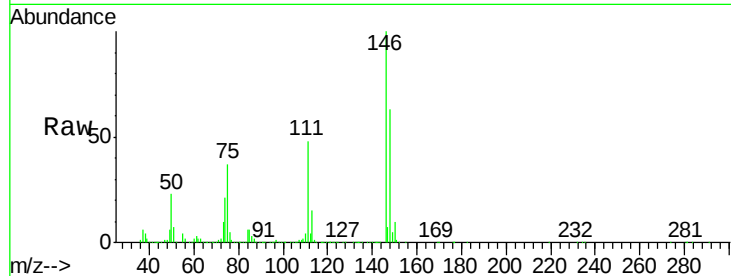
#77
 1,2-Dichlorobenzene
 Concen: 8.958 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	23.4	70.3
148	64.7	32.5	97.5

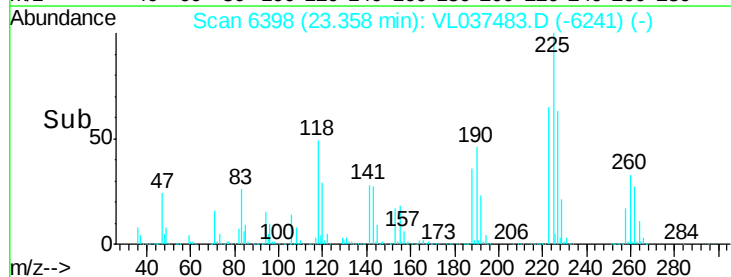
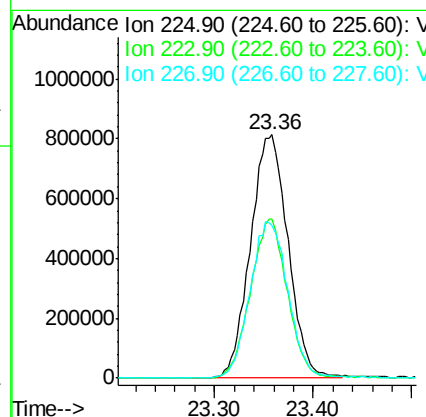
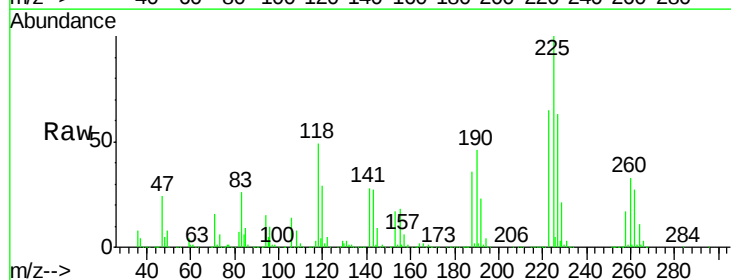
Manual Integrations
 APPROVED

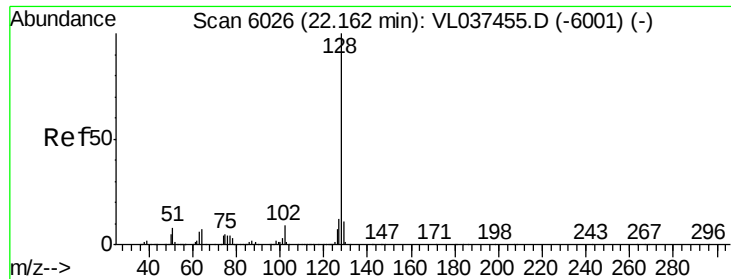
MMDadoda
 8/19/2021 5:59:58 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.207 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.4	77.0
227	65.4	52.9	79.3





#79

Naphthalene

Concen: 10.016 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3542914

Ion Ratio Lower Upper

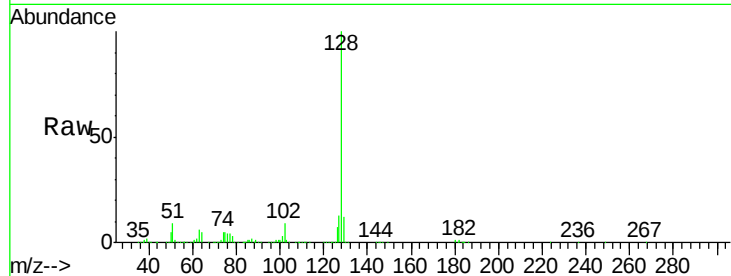
128 100

127 13.3 9.4 14.2

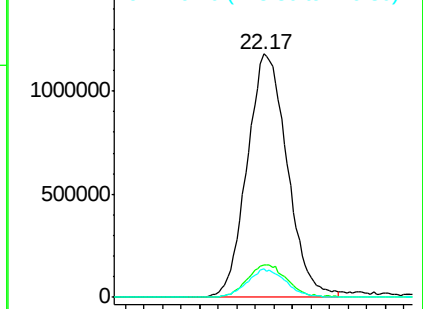
129 11.6 8.8 13.2

Manual Integrations
APPROVED

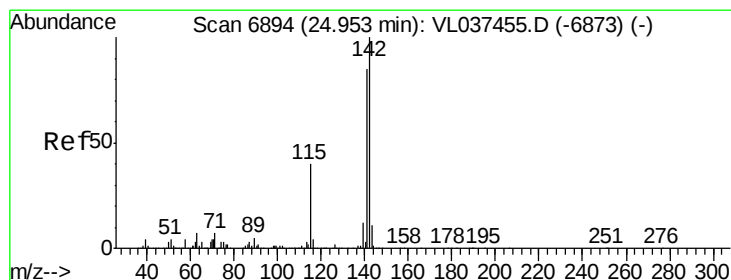
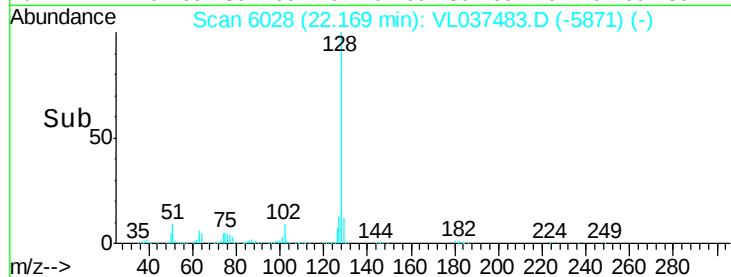
MMDadoda
8/19/2021 5:59:58 PM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 8.896 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

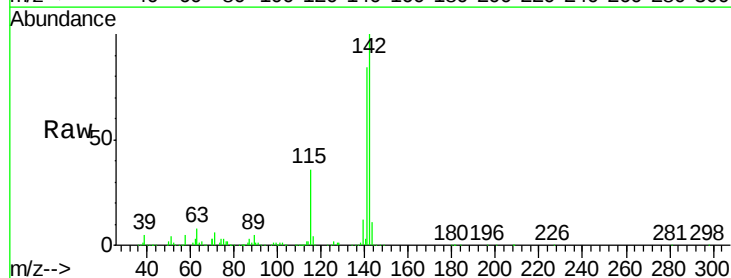
Tgt Ion:142 Resp: 876622

Ion Ratio Lower Upper

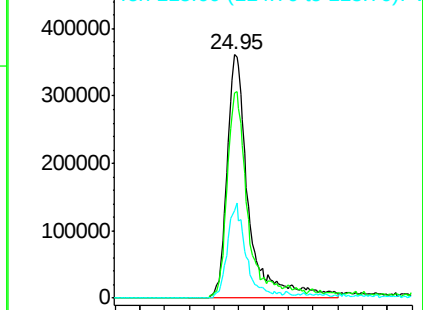
142 100

141 81.9 64.7 97.1

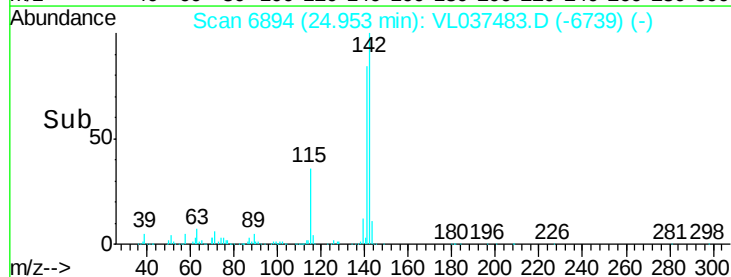
115 36.1 28.4 42.6

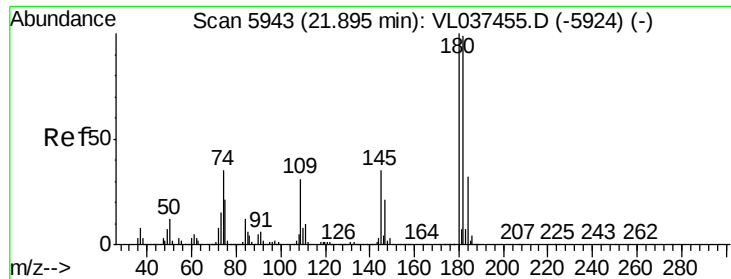


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



Time-->





#81
 1,2,4-Trichlorobenzene
 Concen: 9.626 ppbv
 RT: 21.91 min Scan# 5946
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	79.6	119.4
184	31.3	25.4	38.2

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:59:58 PM

