

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036557.D
 Acq On : 30 Mar 2021 3:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:44:50 PM

Quant Time: Mar 30 12:09:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1501098	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3544910	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3394260m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2838220	10.49	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2163756	8.838 ppbv	99
3) Chlorodifluoromethane	2.97	51	2508370	8.944 ppbv	100
4) Chloromethane	3.12	50	840499	8.484 ppbv	94
5) Vinyl Chloride	3.24	62	860649	8.449 ppbv	95
6) Bromomethane	3.46	94	474325	8.458 ppbv	99
7) Chloroethane	3.54	64	307093	8.774 ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1995480	8.540 ppbv	100
9) Propene	3.00	41	735824	8.230 ppbv	99
10) Heptane	8.10	43	2023766	8.885 ppbv	99
11) Trichlorofluoromethane	3.93	101	2154867	8.636 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1396525	8.754 ppbv	97
13) Ethanol	3.59	45	67298	6.321 ppbv	96
14) Bromoethene	3.72	108	589453	8.888 ppbv	98
15) Acetone	3.83	43	1264877	8.561 ppbv	99
16) 1,3-Butadiene	3.31	39	896816	8.719 ppbv	99
17) tert-Butyl alcohol	4.28	59	976349m	7.591 ppbv	
18) 1,1-Dichloroethene	4.27	96	589496	8.308 ppbv	91
19) Isopropyl Alcohol	3.95	45	497017	6.115 ppbv	99
20) Methylene Chloride	4.33	84	543512	7.857 ppbv	97
21) Allyl Chloride	4.39	41	967095	8.211 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	560140	8.514 ppbv	91
23) Vinyl Acetate	5.05	43	2187441	8.656 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1617696	8.782 ppbv	100
25) Ethyl Acetate	5.66	43	2916725	8.304 ppbv	99
26) Hexane	5.67	57	1393347	8.548 ppbv	98
27) Carbon Disulfide	4.53	76	1465701	9.128 ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1541460	8.019 ppbv	99
29) Chloroform	5.74	83	2252807	8.642 ppbv	98
30) Cyclohexane	7.11	84	1159375	8.770 ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1361074	8.633 ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2255537	8.585 ppbv	100
34) 2-Butanone	5.23	43	1355499	7.834 ppbv	98
35) Carbon Tetrachloride	7.00	117	2366175	8.690 ppbv	98
36) Benzene	6.87	78	2892622	8.848 ppbv	98
37) 1,2-Dichloroethane	6.29	62	1690297	8.784 ppbv	100
38) Trichloroethene	7.82	130	1028075	8.080 ppbv	97
39) 1,2-Dichloropropane	7.59	63	1156527	8.721 ppbv	98
40) 1,4-Dioxane	7.82	88	209437m	6.785 ppbv	
41) Tetrahydrofuran	6.03	42	585653	7.340 ppbv	98
42) Bromodichloromethane	7.77	83	2413892	9.223 ppbv	98
43) Methyl Methacrylate	8.00	69	1103068	10.048 ppbv	97

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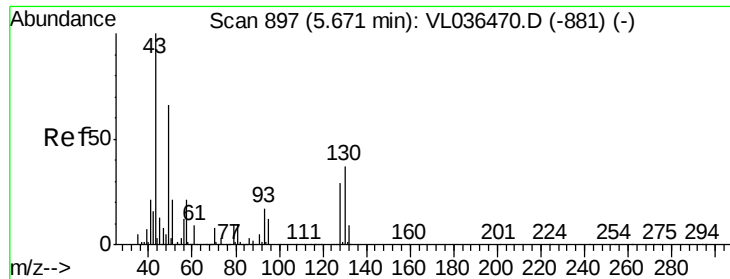
Manual Integrations
 APPROVED

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 3/30/2021 7:44:50 PM

Quant Time: Mar 30 12:09:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4981543	8.657	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	971653	7.751	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1263538	7.885	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1192553	8.878	ppbv	96
48) Dibromochloromethane	10.28	129	1913943	9.347	ppbv	100
49) Bromoform	13.02	173	1598451	9.688	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2154571	8.605	ppbv	98
51) 2-Hexanone	10.12	43	1126224	8.913	ppbv #	100
52) Tetrachloroethene	11.20	164	982738	8.163	ppbv	96
53) Toluene	9.78	91	3235200	9.292	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1689356	8.905	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1361606	8.869	ppbv #	57
57) Chlorobenzene	12.13	112	2392240	8.283	ppbv	99
58) Ethyl Benzene	12.69	91	4407917	8.926	ppbv	100
59) m/p-Xylene	12.98	91	7562593m	17.558	ppbv	
60) o-Xylene	13.67	91	3594492	8.631	ppbv	99
61) Styrene	13.51	104	1917129	9.150	ppbv	100
62) Isopropylbenzene	14.65	105	4888846	8.717	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2619064	8.244	ppbv	99
64) n-propylbenzene	15.54	120	1290614	9.412	ppbv	98
65) tert-Butylbenzene	16.73	119	4249837	8.739	ppbv	99
66) Benzyl Chloride	16.97	91	489829	9.112	ppbv	100
67) sec-Butylbenzene	17.28	105	6011845	8.758	ppbv	100
69) p-Isopropyltoluene	17.64	119	4951740	9.237	ppbv	100
70) n-Butylbenzene	18.53	91	5153999	9.273	ppbv	99
71) 2-Chlorotoluene	15.43	91	3851583	9.165	ppbv	99
72) 4-Ethyltoluene	15.82	105	4225144	9.259	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3737836	8.776	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	3918348	8.597	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2244523	8.749	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2171655	8.525	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2143320	8.888	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1657086	7.672	ppbv	99
79) Naphthalene	22.18	128	2477900	9.317	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	328359	6.261	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1532993	9.335	ppbv	98

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



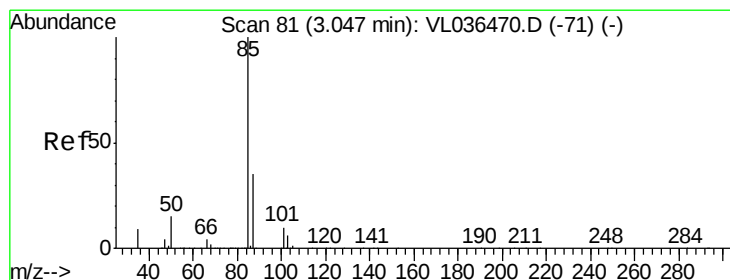
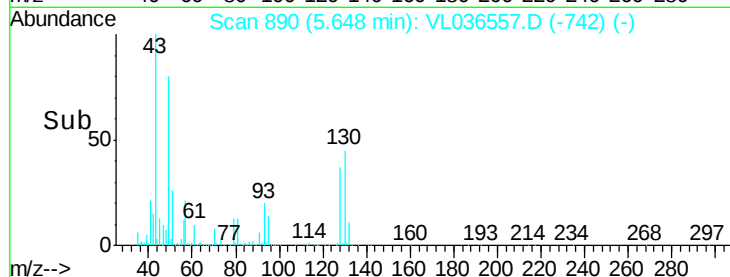
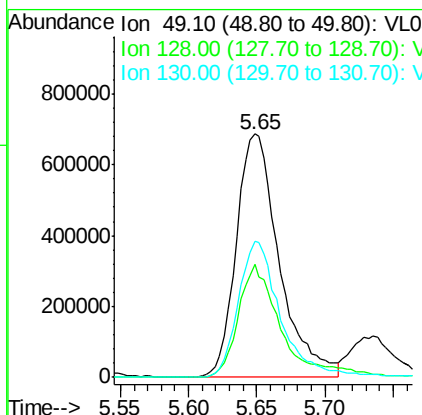
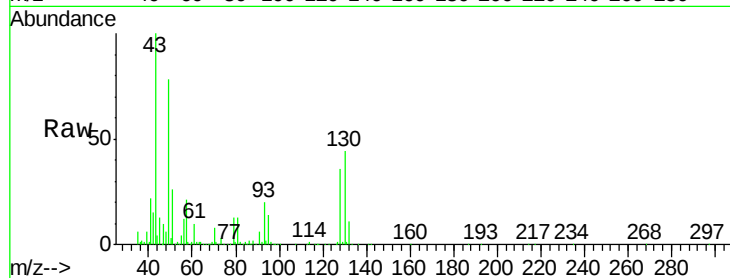
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 49 Resp: 1501098
Ion Ratio Lower Upper
49 100
128 47.2 23.5 70.6
130 55.8 29.1 87.4

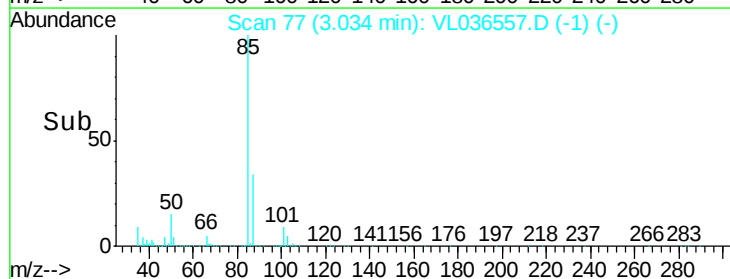
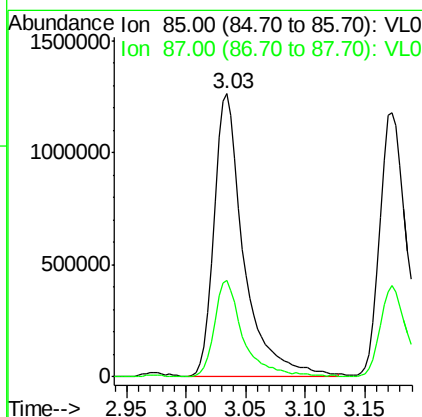
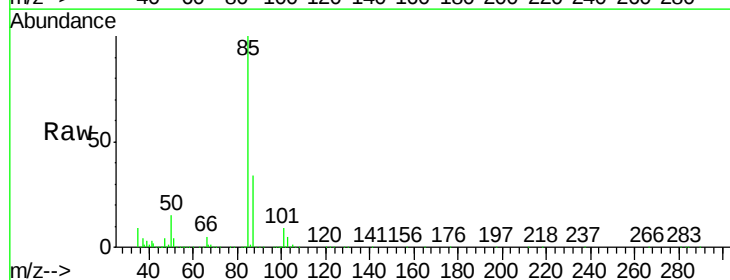
Manual Integrations
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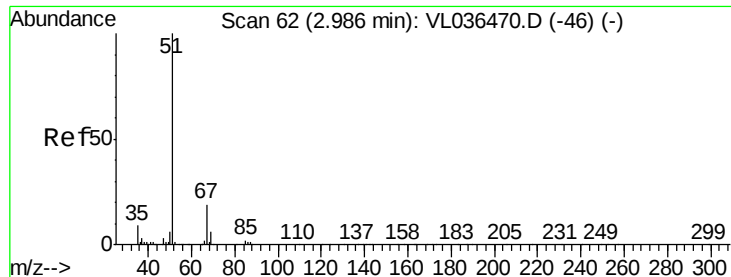
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#2
Dichlorodifluoromethane
Concen: 8.838 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 85 Resp: 2163756
Ion Ratio Lower Upper
85 100
87 34.1 27.8 41.8





#3

Chlorodifluoromethane

Concen: 8.944 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 2508370

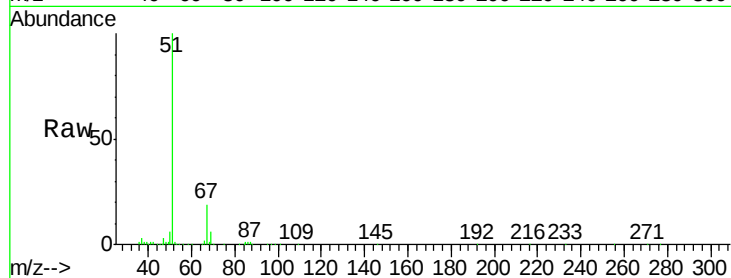
Ion Ratio Lower Upper

51 100

67 18.5 14.7 22.1

Manual Integrations
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

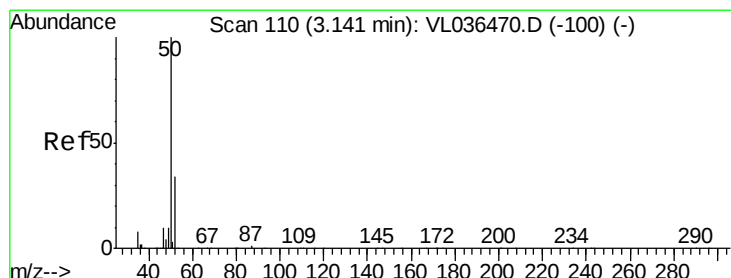
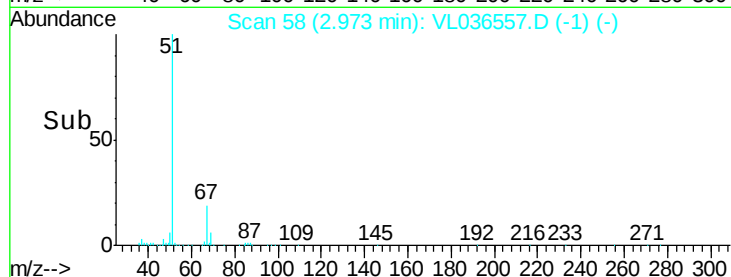
1500000

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 8.484 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036557.D

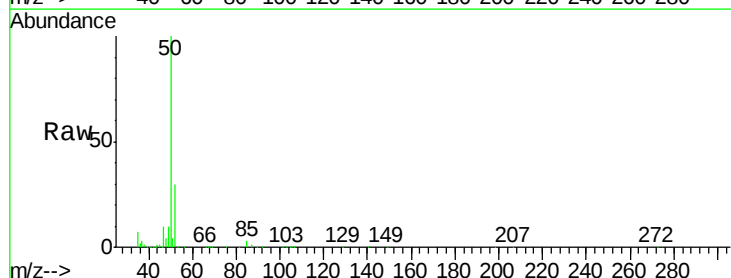
Acq: 30 Mar 2021 3:02

Tgt Ion: 50 Resp: 840499

Ion Ratio Lower Upper

50 100

52 30.4 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

600000

500000

400000

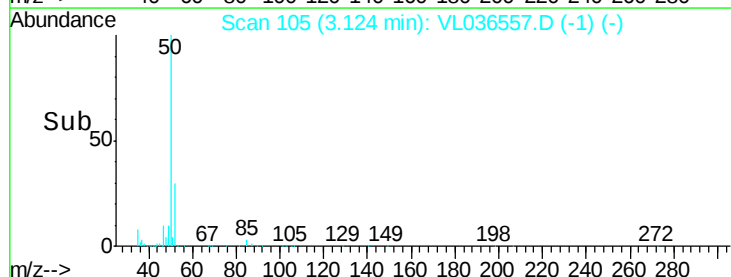
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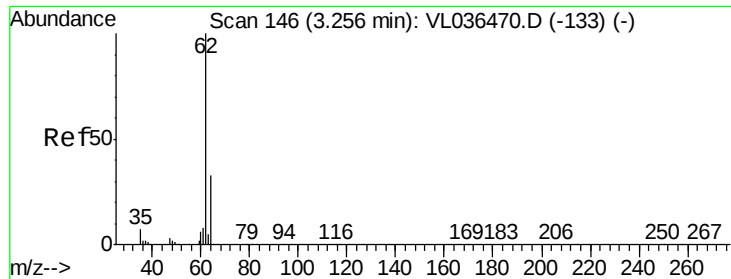
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.449 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 860649

Ion Ratio Lower Upper

62 100

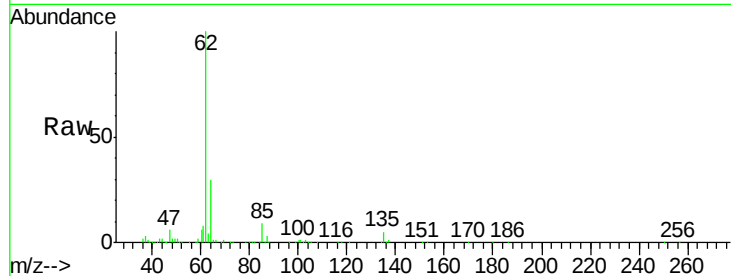
64 30.2 26.4 39.6

Manual Integrations

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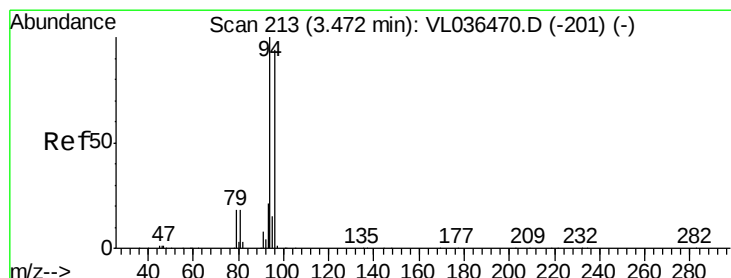
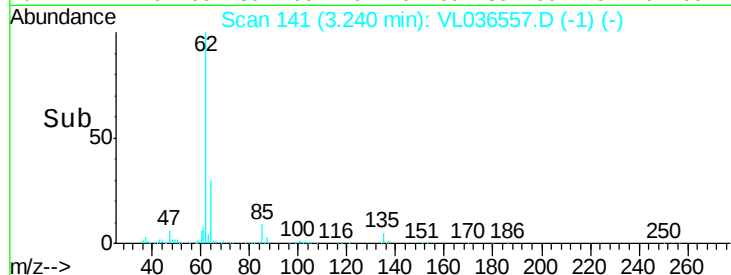
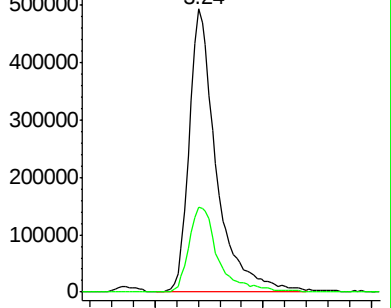
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.458 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL036557.D

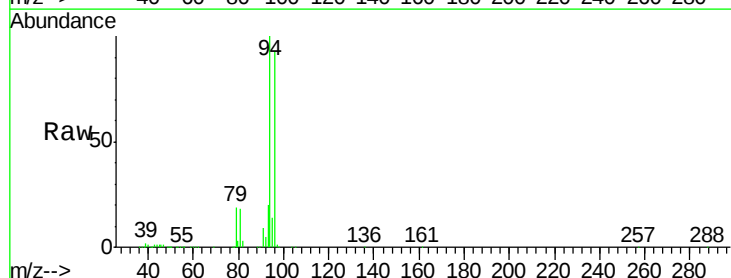
Acq: 30 Mar 2021 3:02

Tgt Ion: 94 Resp: 474325

Ion Ratio Lower Upper

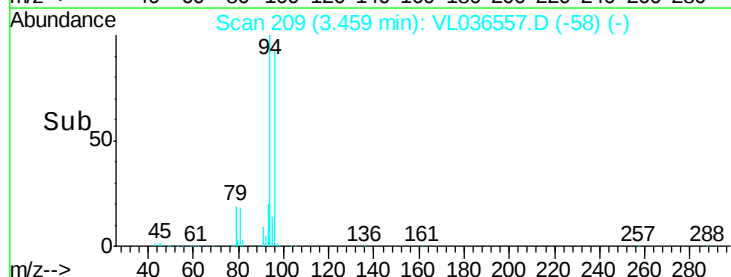
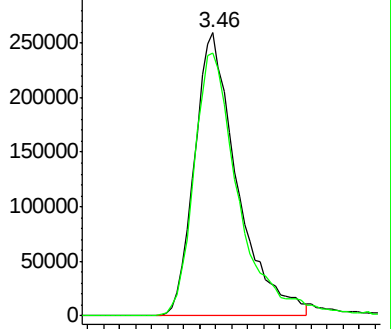
94 100

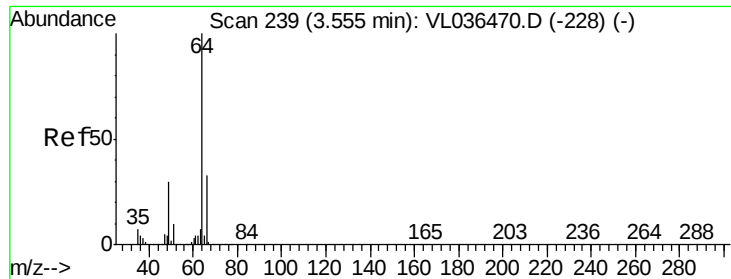
96 92.8 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.774 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 307093

Ion Ratio Lower Upper

64 100

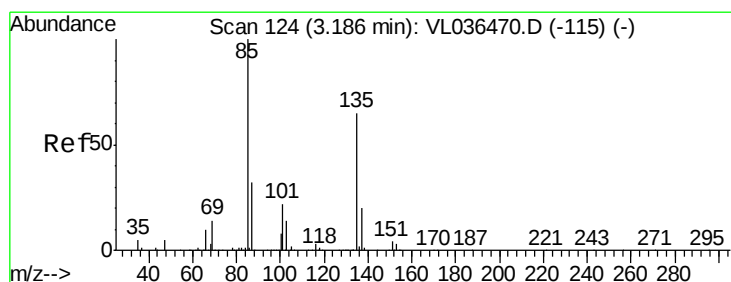
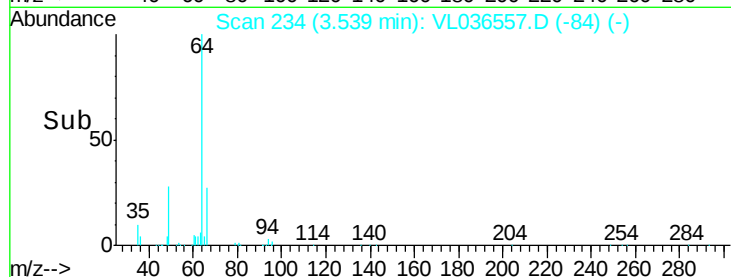
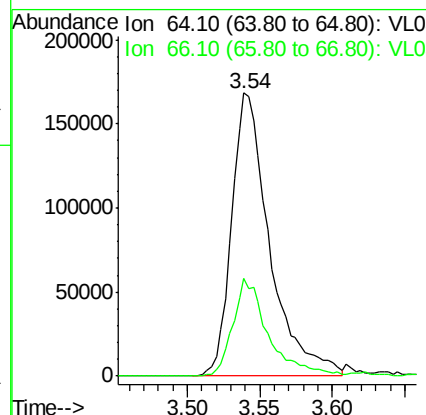
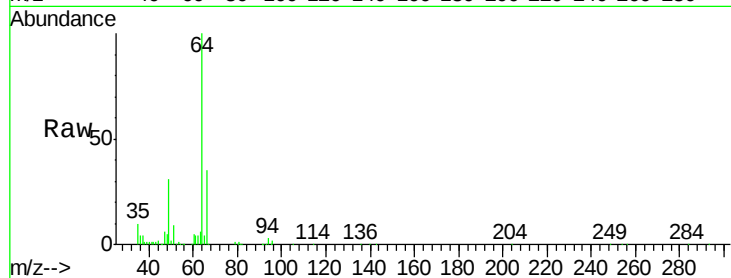
66 34.6 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.540 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL036557.D

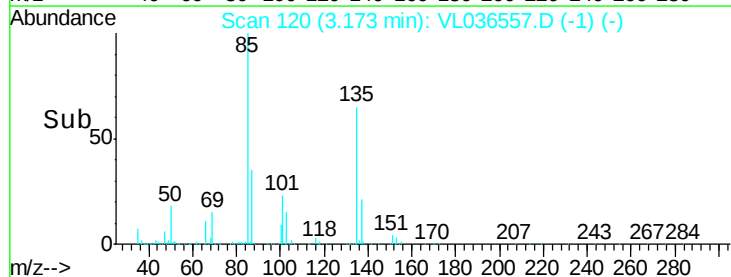
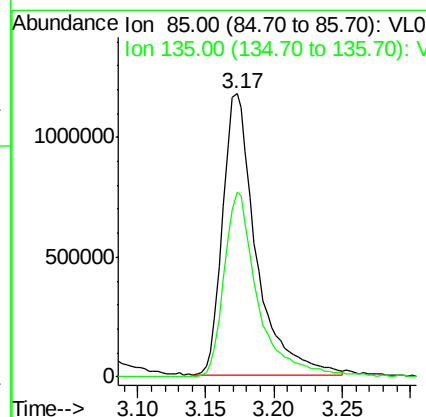
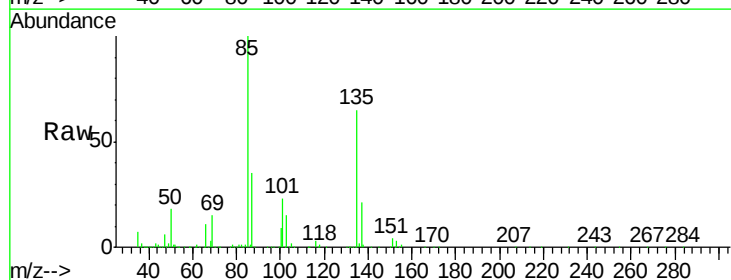
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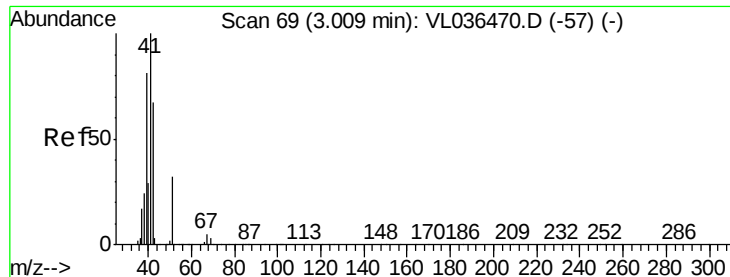
Tgt Ion: 85 Resp: 1995480

Ion Ratio Lower Upper

85 100

135 67.5 54.3 81.5





#9

Propene

Concen: 8.230 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 735824

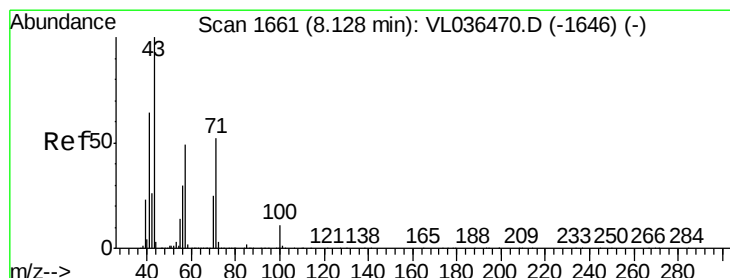
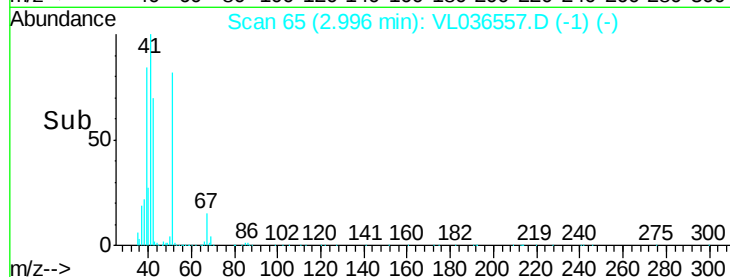
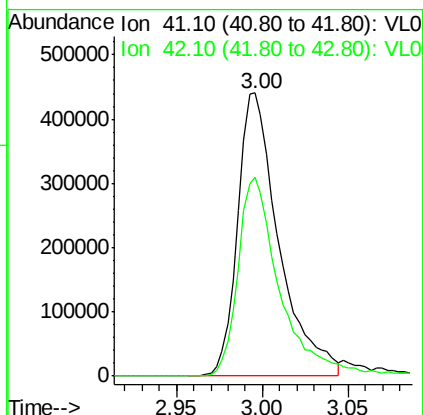
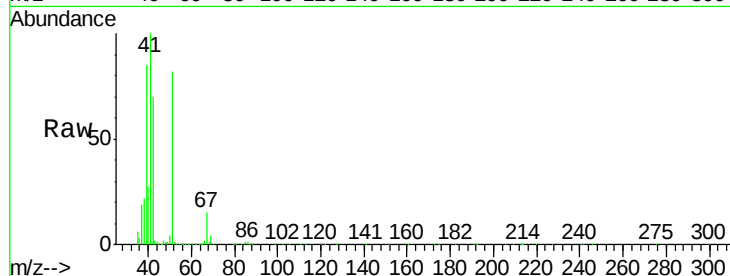
Ion Ratio Lower Upper

41 100

42 72.1 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 8.885 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL036557.D

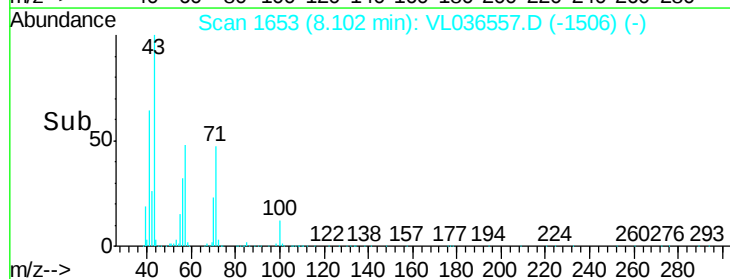
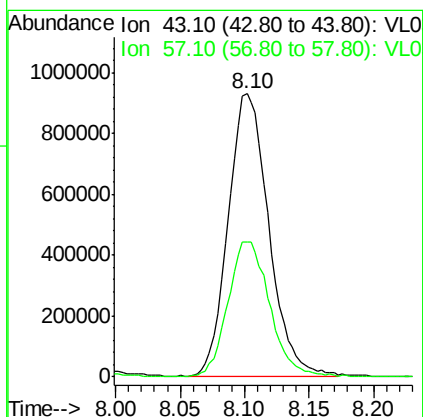
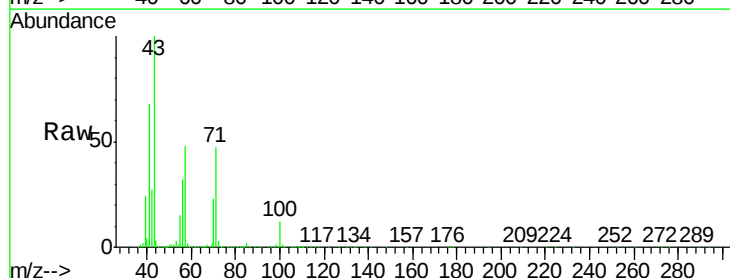
Acq: 30 Mar 2021 3:02

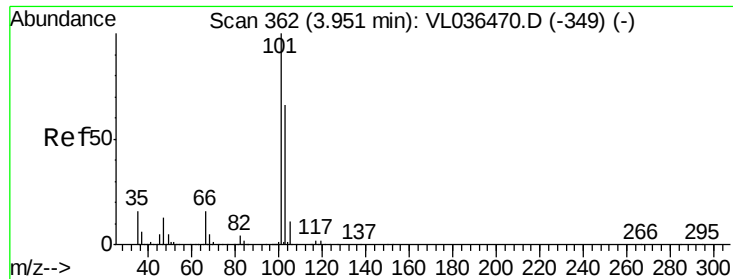
Tgt Ion: 43 Resp: 2023766

Ion Ratio Lower Upper

43 100

57 49.6 39.0 58.6





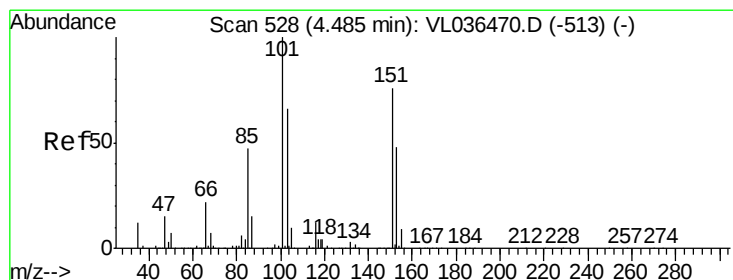
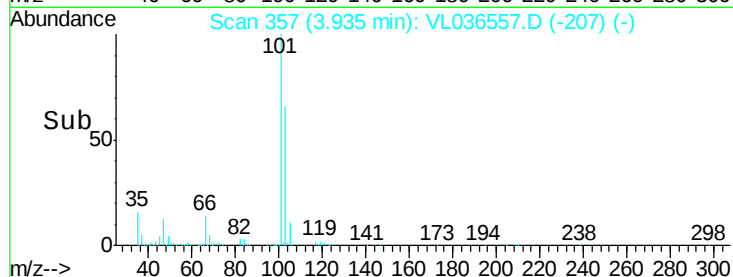
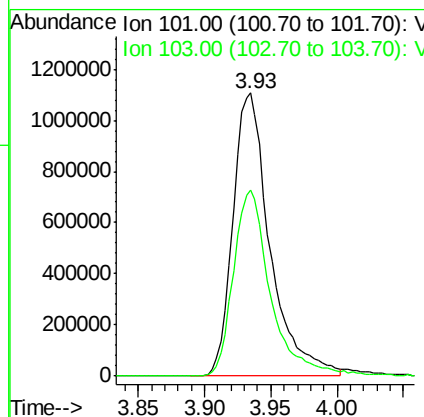
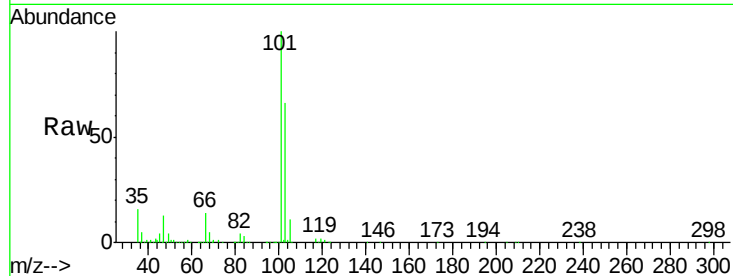
#11
 Trichlorofluoromethane
 Concen: 8.636 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2154867
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.5 78.7

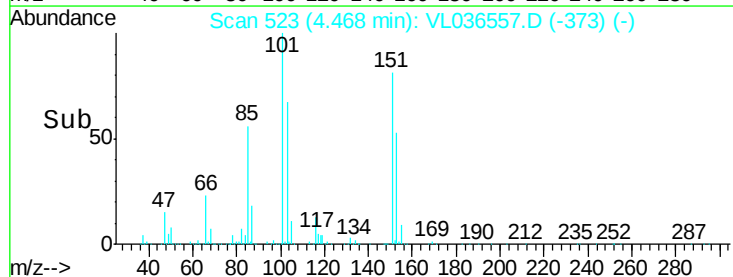
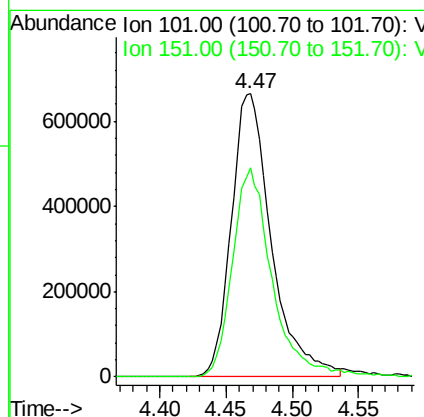
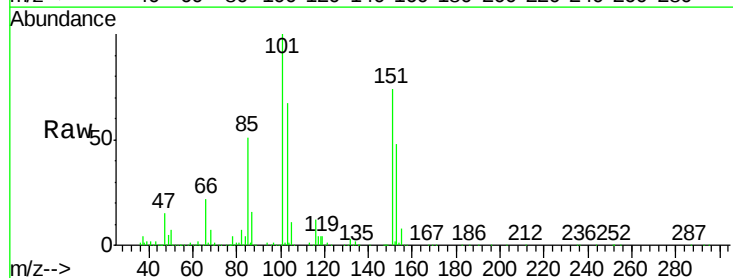
Manual Integrations
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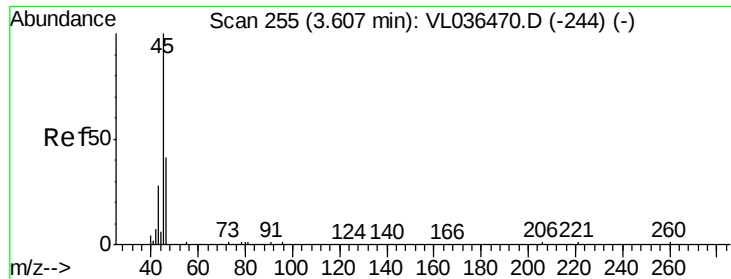
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.754 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion:101 Resp: 1396525
 Ion Ratio Lower Upper
 101 100
 151 73.7 60.9 91.3





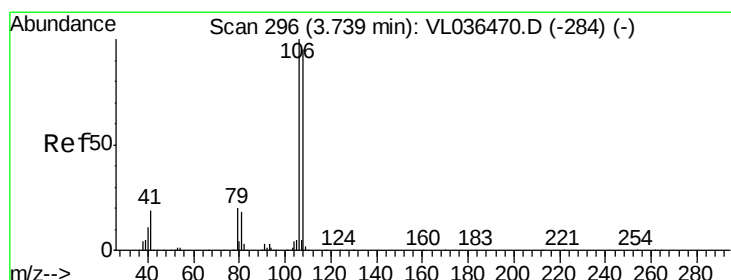
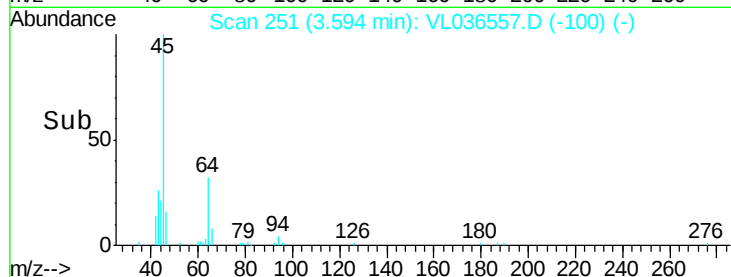
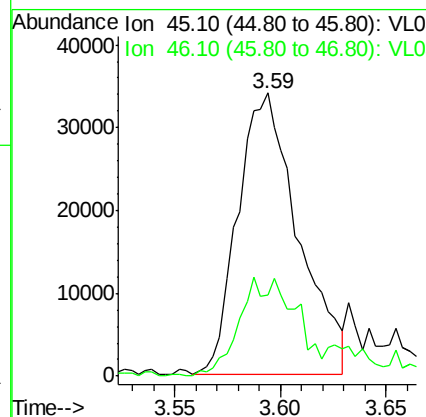
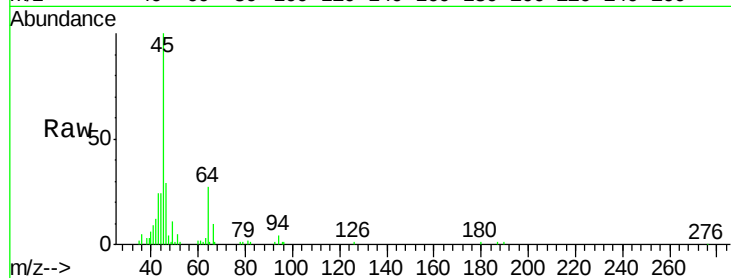
#13
Ethanol
Concen: 6.321 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	43.6	16.6	66.2

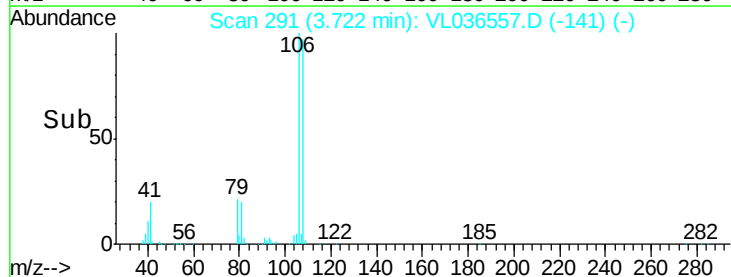
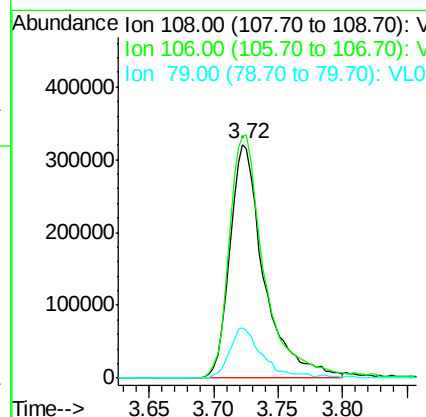
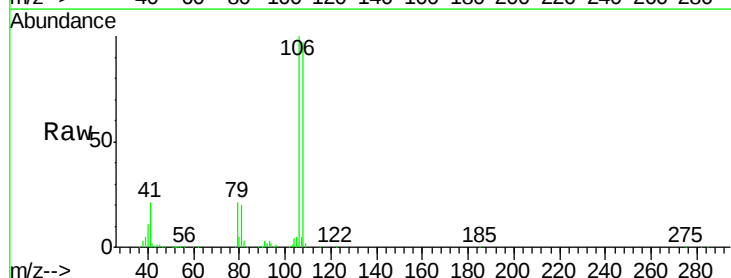
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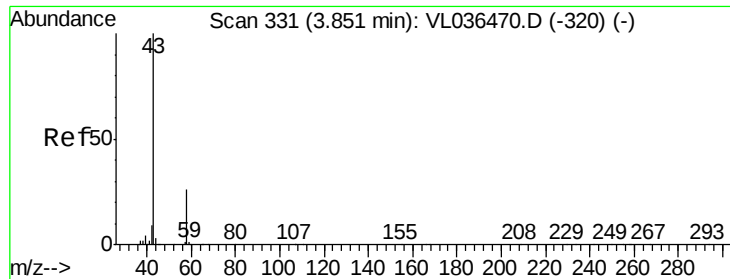
MMDadoda
3/30/2021 7:44:50 PM



#14
Bromoethene
Concen: 8.888 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.6	89.0	133.6
79	21.6	16.6	25.0





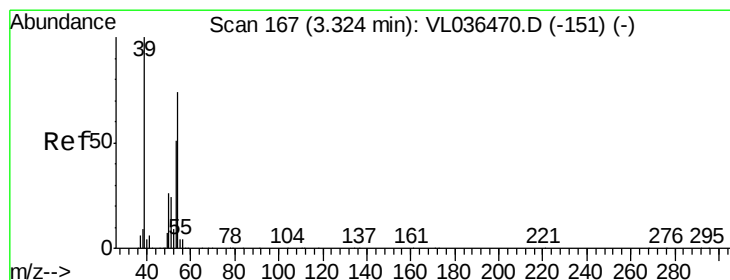
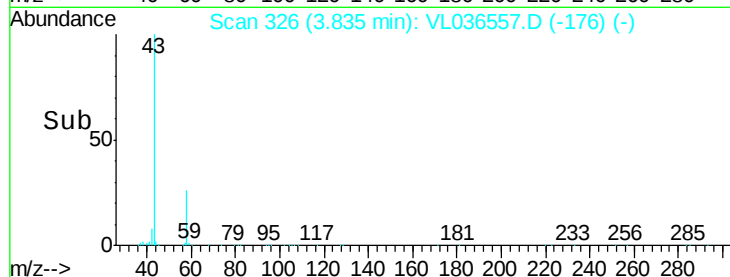
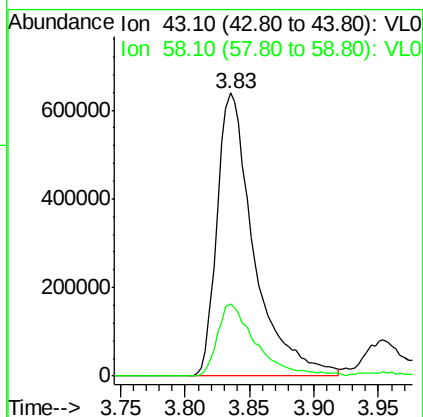
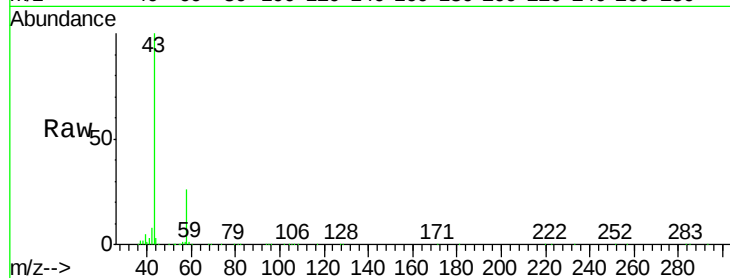
#15
Acetone
Concen: 8.561 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1264877
Ion Ratio Lower Upper
43 100
58 26.9 21.2 31.8

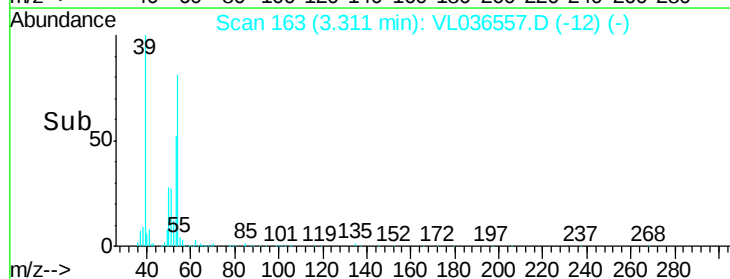
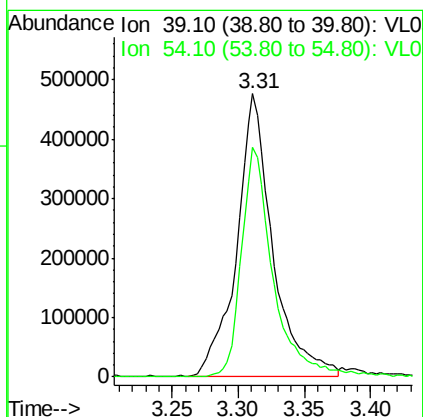
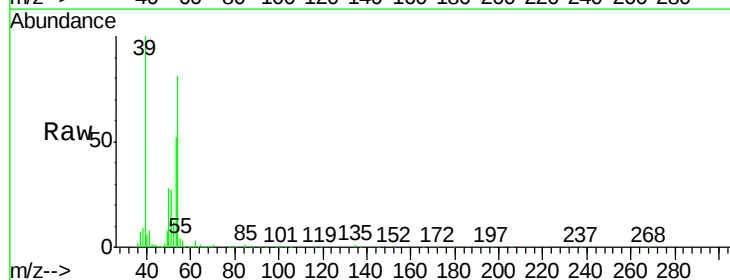
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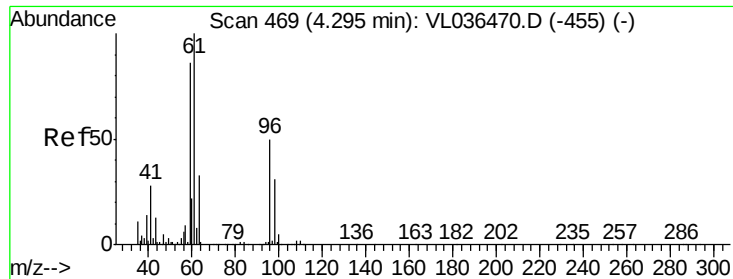
MMDadoda
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#16
1,3-Butadiene
Concen: 8.719 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 39 Resp: 896816
Ion Ratio Lower Upper
39 100
54 72.8 58.8 88.2





#17

tert-Butyl alcohol

Concen: 7.591 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 976349

Ion Ratio Lower Upper

59 100

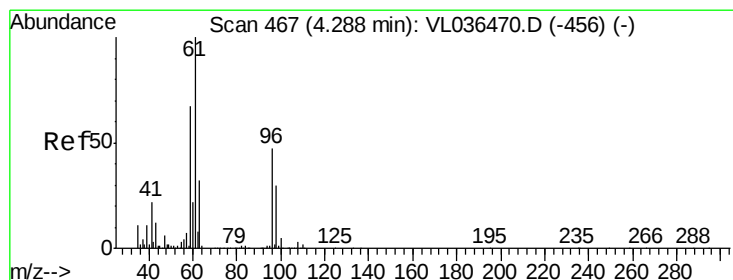
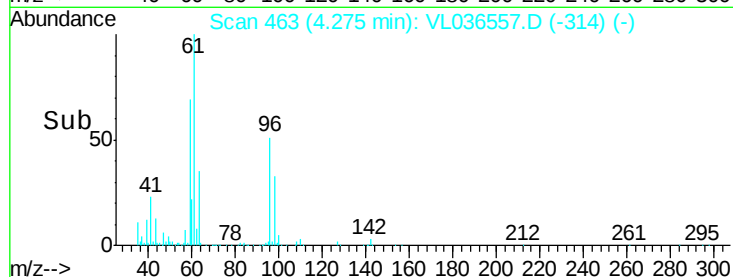
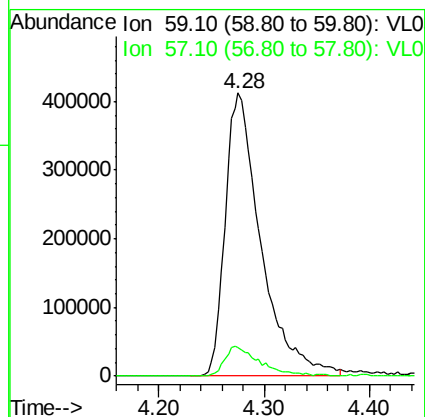
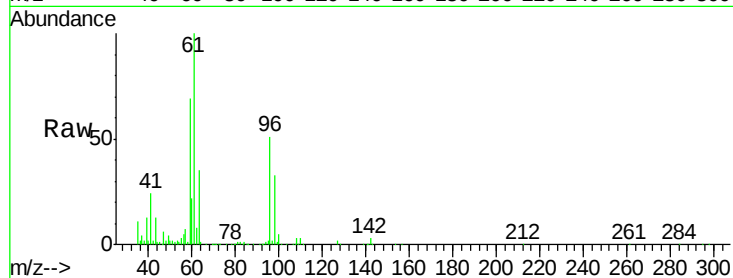
57 10.6 8.6 12.8

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 8.308 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

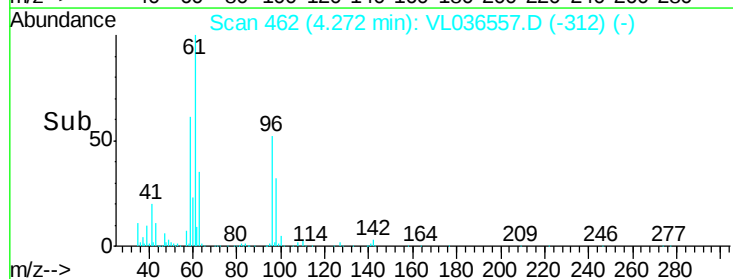
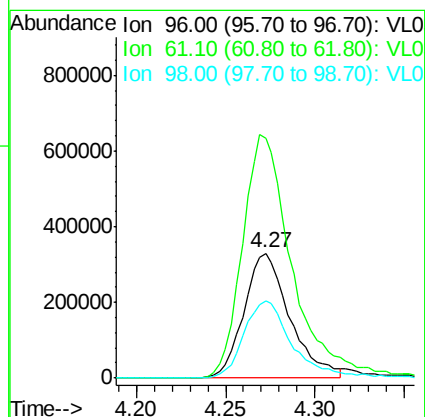
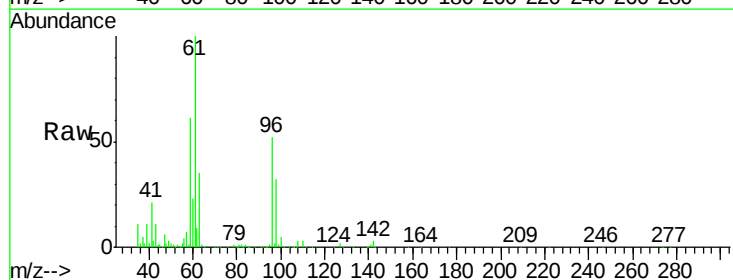
Tgt Ion: 96 Resp: 589496

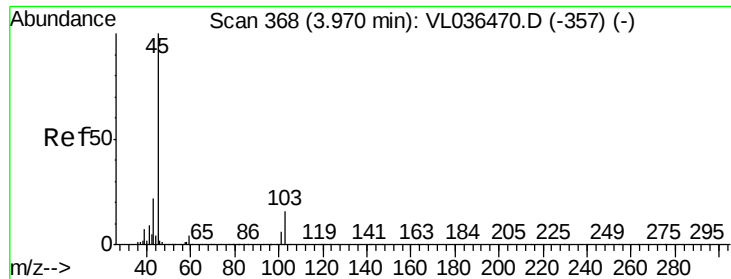
Ion Ratio Lower Upper

96 100

61 192.9 168.6 253.0

98 61.7 50.8 76.2





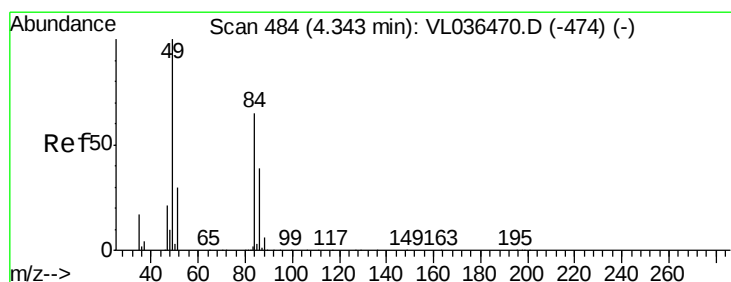
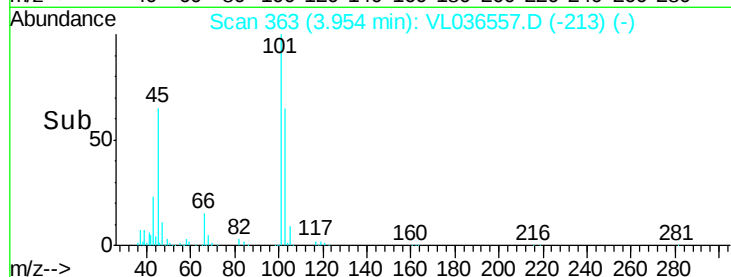
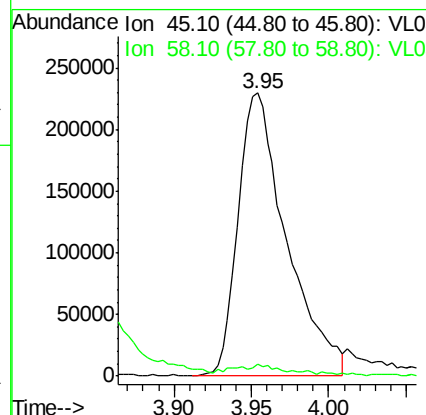
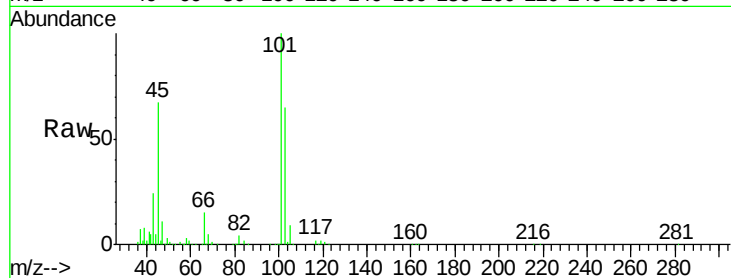
#19
Isopropyl Alcohol
Concen: 6.115 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	4.1	2.9	4.3

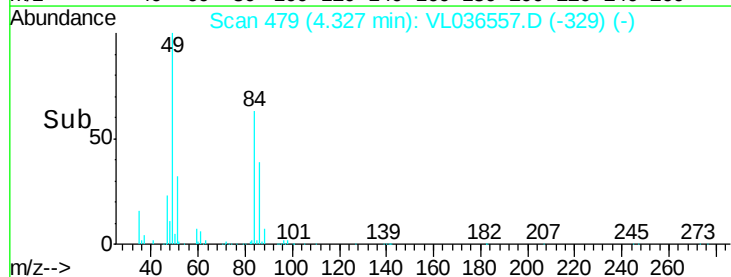
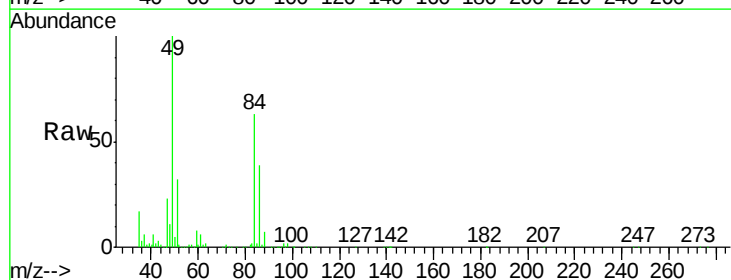
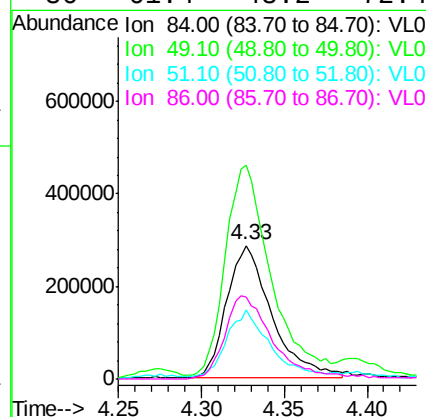
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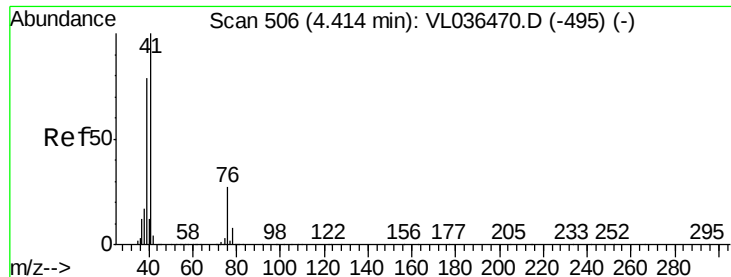
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3/30/2021 7:44:50 PM



#20
Methylene Chloride
Concen: 7.857 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.8	122.9	184.3
51	49.4	36.9	55.3
86	61.4	48.2	72.4





#21

Allvl Chloride

Concen: 8.211 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

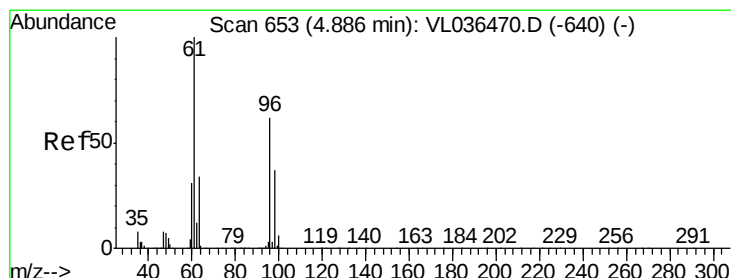
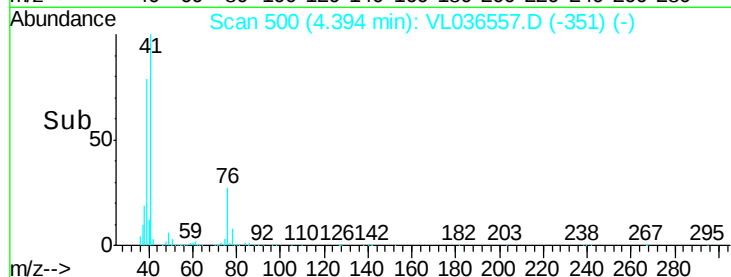
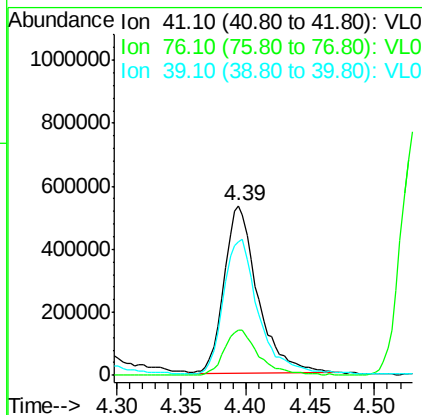
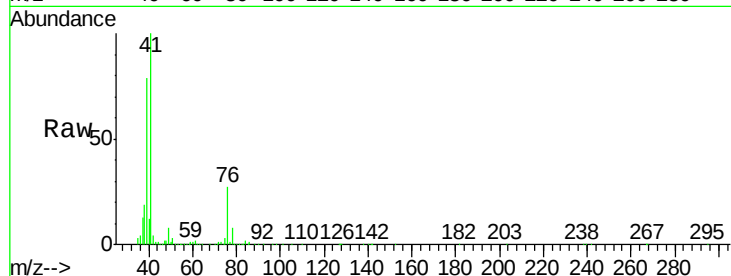
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	967095
Ion Ratio	Lower	Upper	
41	100		
76	28.1	22.9	34.3
39	84.5	67.3	100.9

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 8.514 ppbv

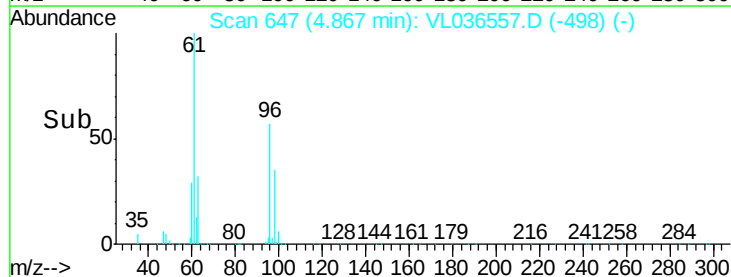
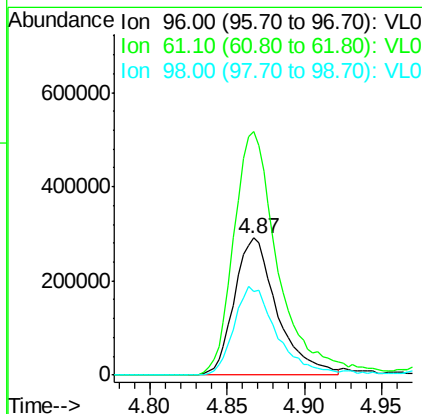
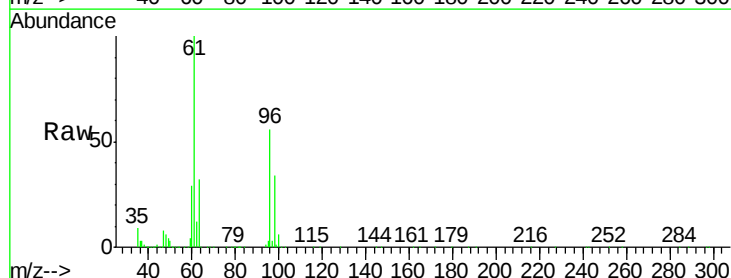
RT: 4.87 min Scan# 647

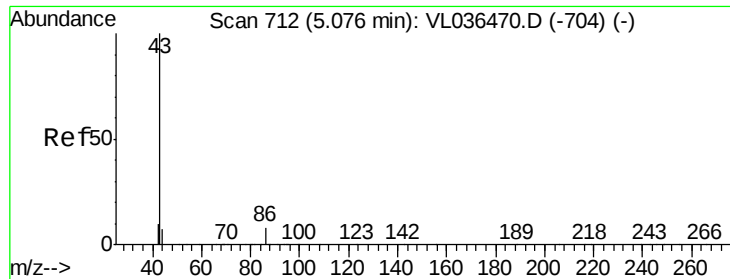
Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Tgt Ion:	96	Resp:	560140
Ion Ratio	Lower	Upper	
96	100		
61	177.0	129.4	194.0
98	60.8	48.2	72.4





#23

Vinyl Acetate

Concen: 8.656 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2187441

Ion Ratio Lower Upper

43 100

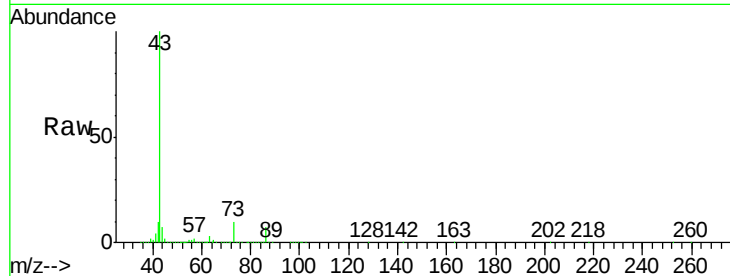
86 6.7 5.4 8.0

42 10.2 8.5 12.7

44 6.2 4.6 7.0

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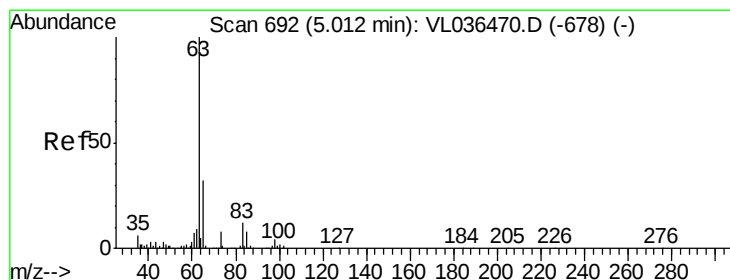
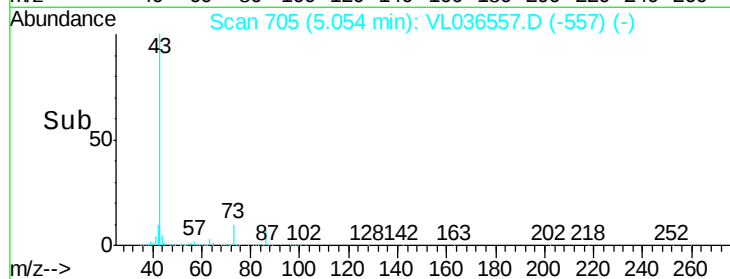
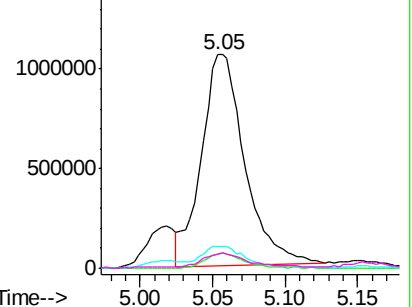


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.782 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

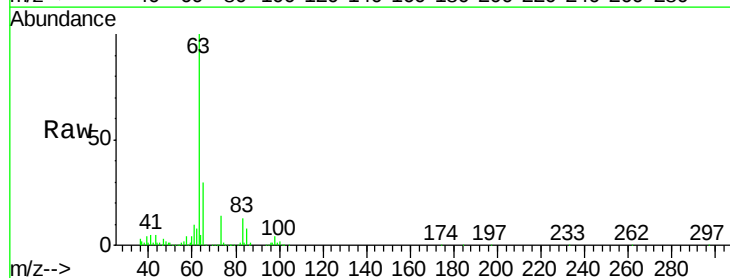
Tgt Ion: 63 Resp: 1617696

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.2

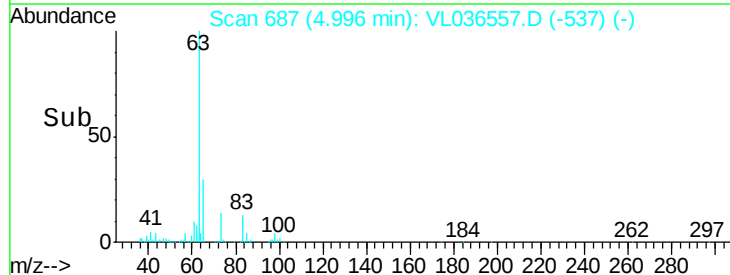
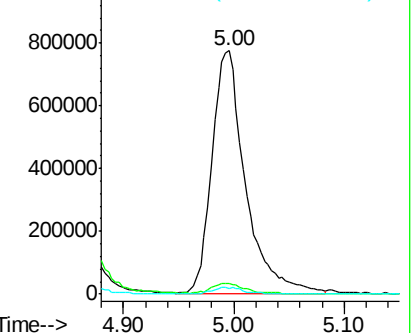
100 2.1 0.9 2.8

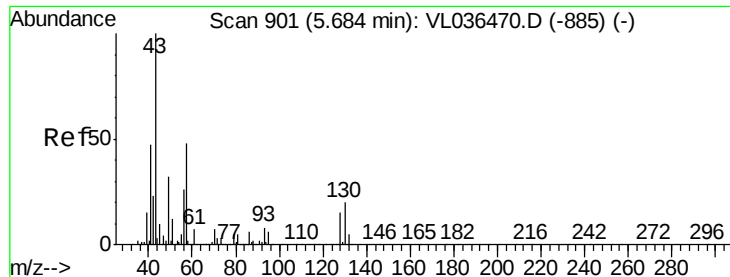


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.304 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2916725

Ion Ratio Lower Upper

43 100

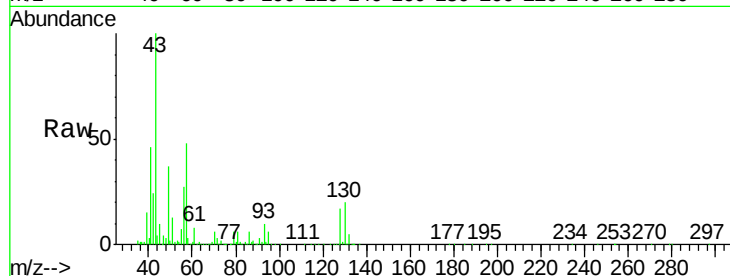
45 9.4 7.9 11.9

61 9.1 7.4 11.2

70 6.4 5.1 7.7

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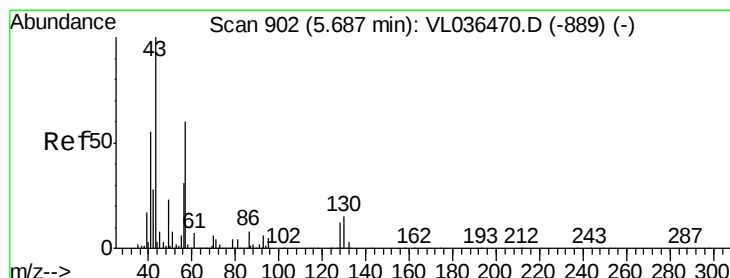
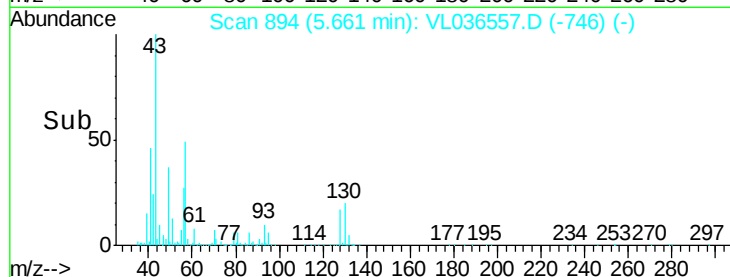
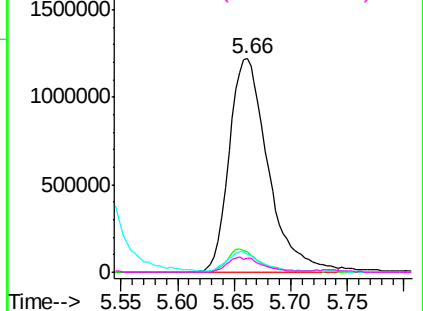


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.548 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Tgt Ion: 57 Resp: 1393347

Ion Ratio Lower Upper

57 100

41 99.6 77.2 115.8

43 213.9 173.8 260.6

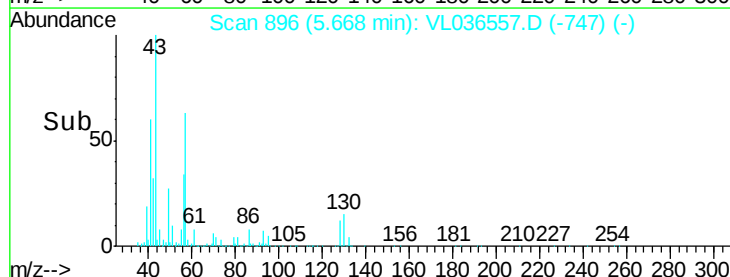
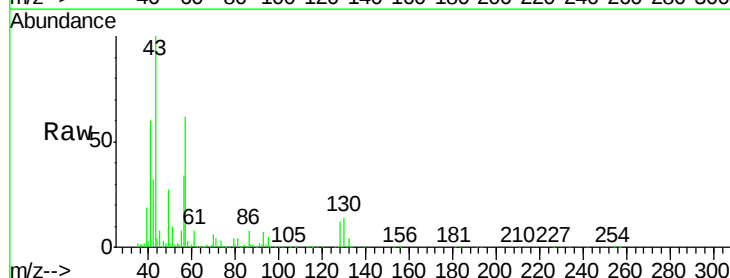
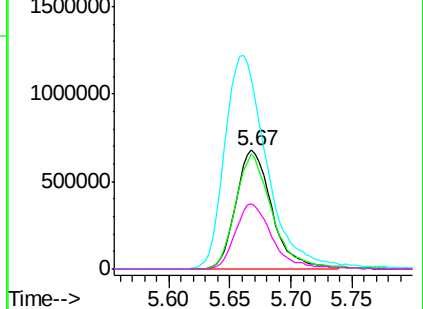
56 56.5 43.8 65.6

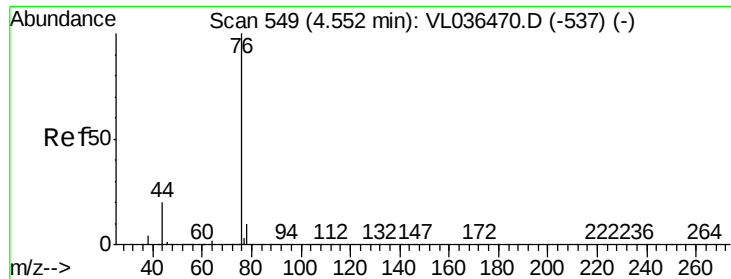
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





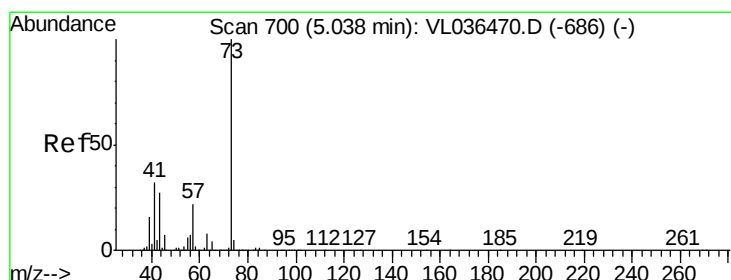
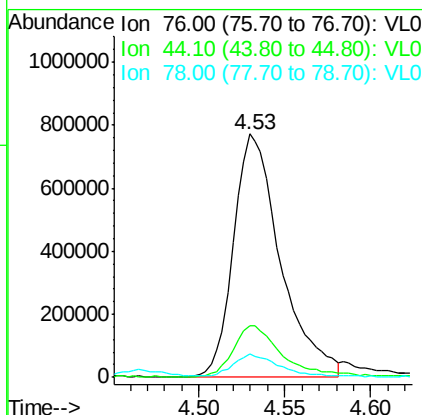
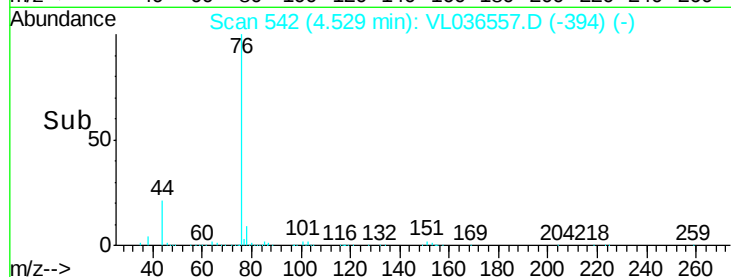
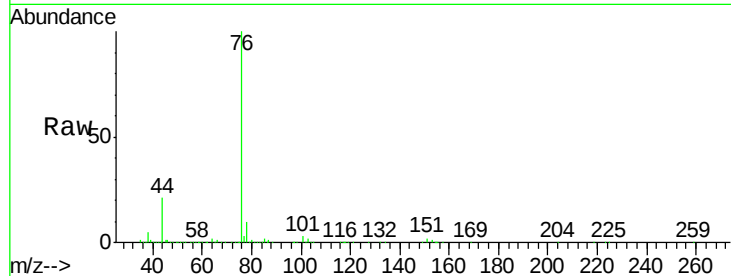
#27
Carbon Disulfide
Concen: 9.128 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1465701
Ion Ratio Lower Upper
76 100
44 22.6 17.5 26.3
78 10.1 8.6 13.0

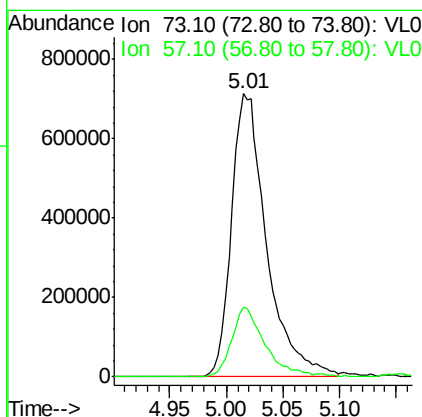
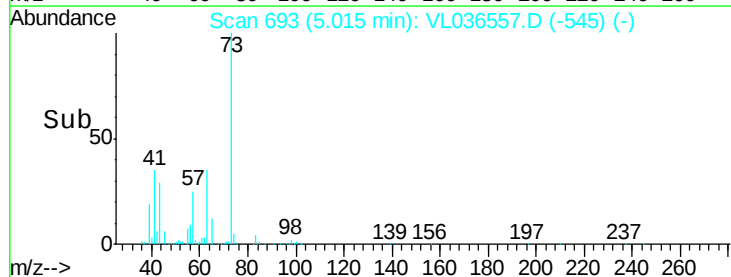
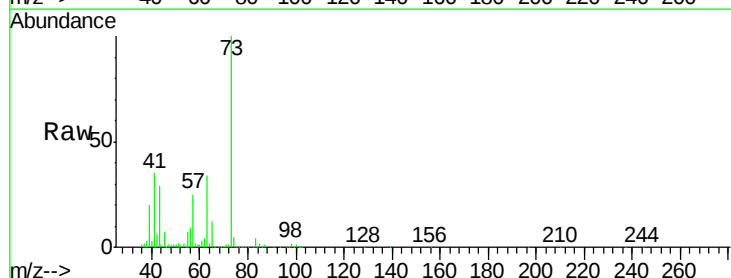
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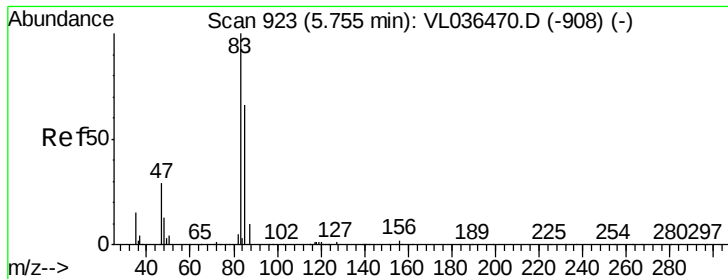
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 8.019 ppbv
RT: 5.01 min Scan# 693
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 73 Resp: 1541460
Ion Ratio Lower Upper
73 100
57 23.7 18.5 27.7





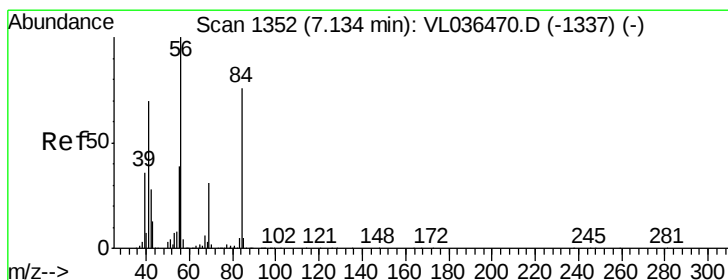
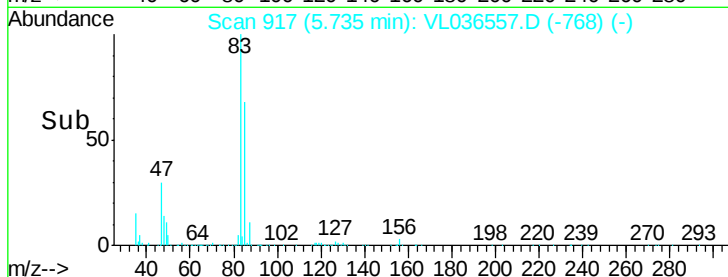
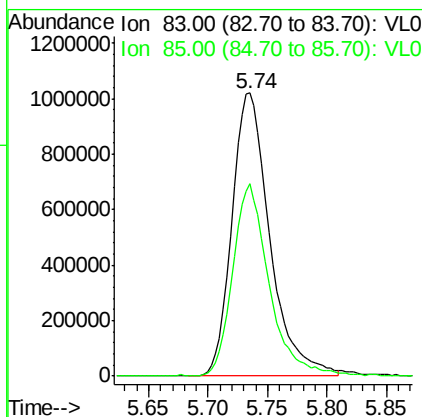
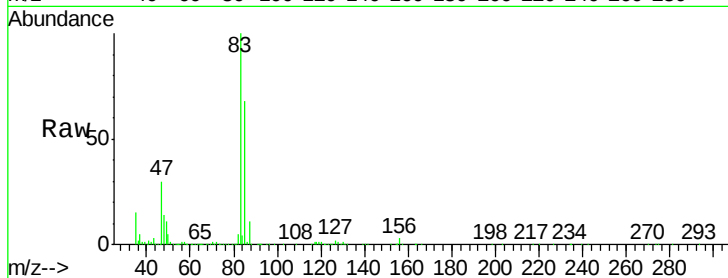
#29
Chloroform
Concen: 8.642 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2252807
Ion Ratio Lower Upper
83 100
85 67.6 52.6 78.8

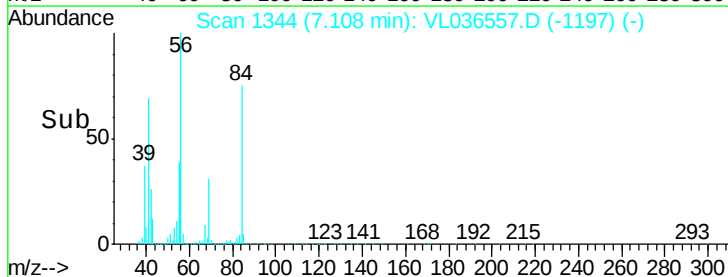
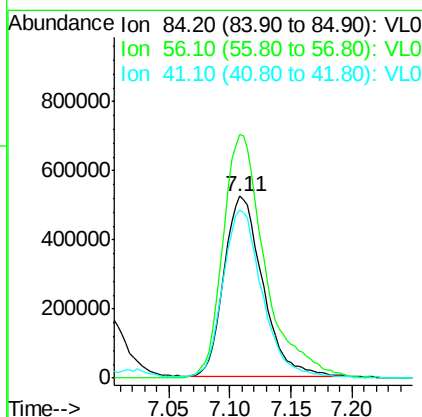
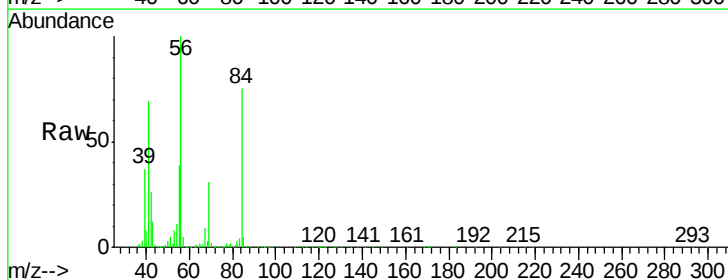
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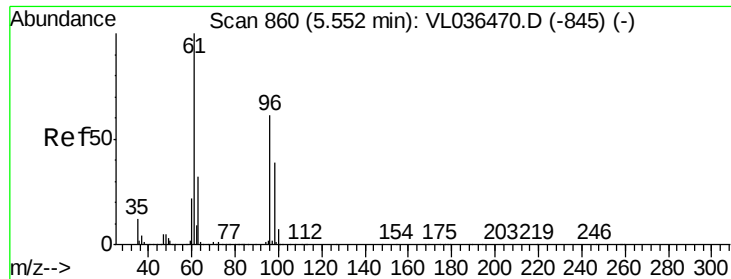
MMDadoda
3/30/2021 7:44:50 PM



#30
Cyclohexane
Concen: 8.770 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 84 Resp: 1159375
Ion Ratio Lower Upper
84 100
56 147.3 114.6 171.8
41 95.9 75.3 112.9





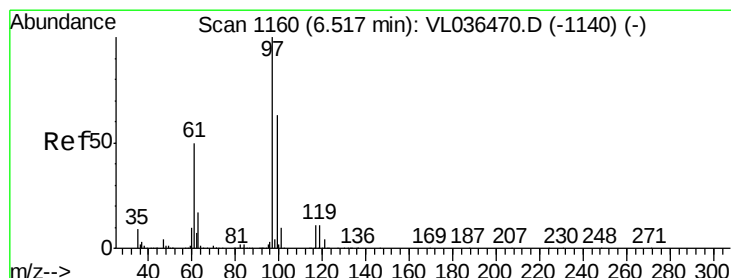
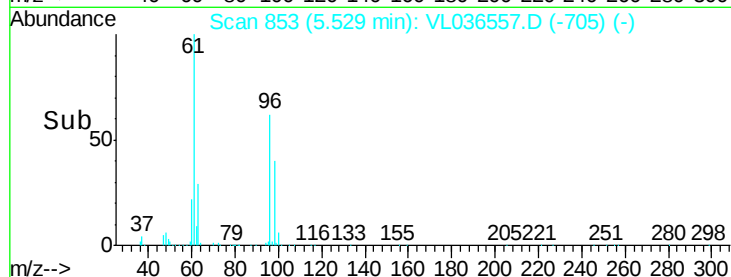
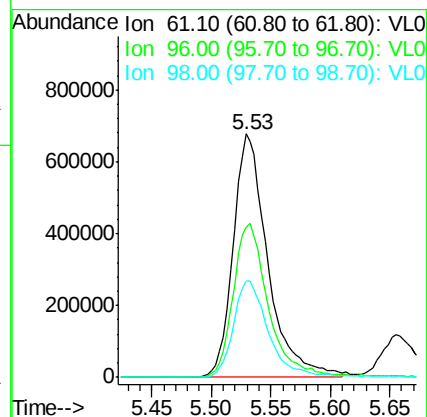
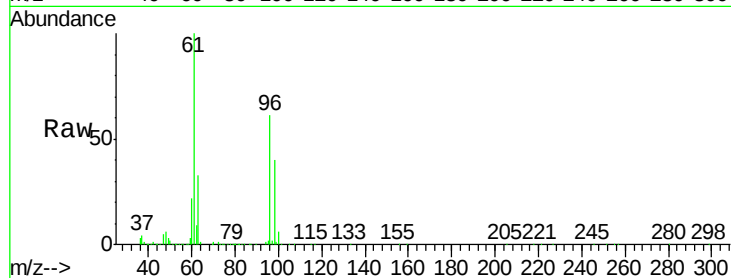
#31
 cis-1,2-Dichloroethene
 Concen: 8.633 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.02 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1361074
 Ion Ratio Lower Upper
 61 100
 96 61.4 48.7 73.1
 98 39.8 31.4 47.0

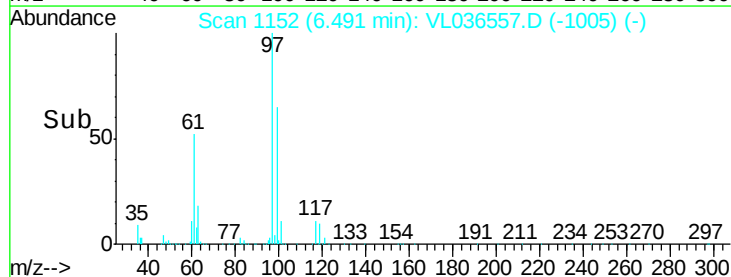
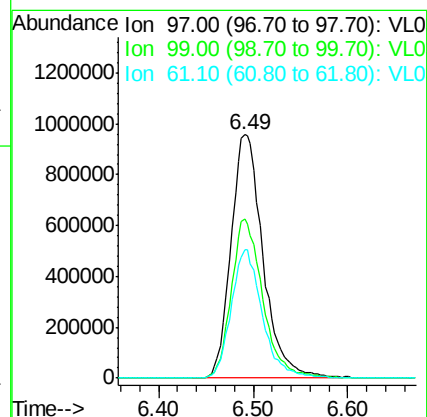
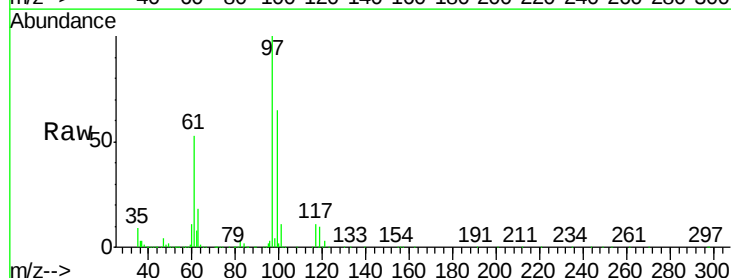
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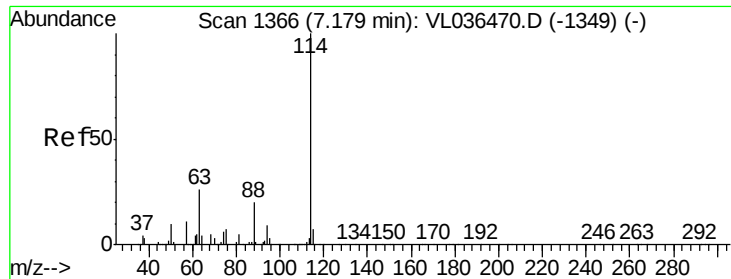
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 3/30/2021 7:44:50 PM



#32
 1,1,1-Trichloroethane
 Concen: 8.585 ppbv
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion: 97 Resp: 2255537
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.4 77.0
 61 51.2 40.6 60.8





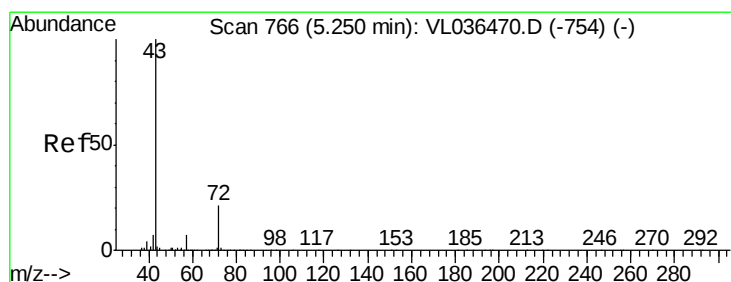
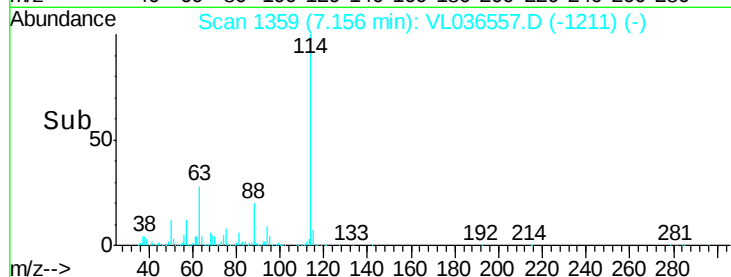
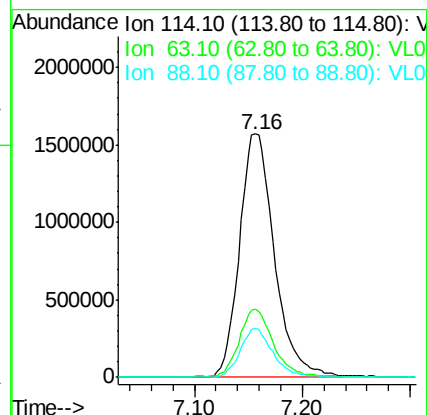
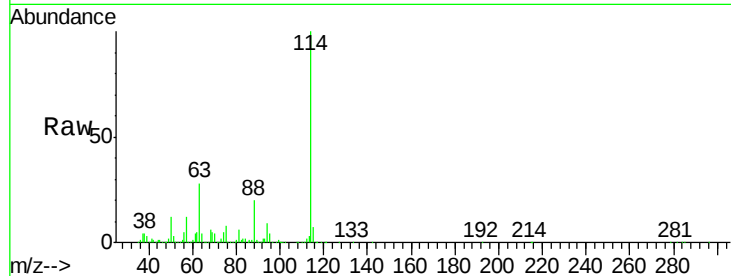
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3544910
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.4 33.6
 88 19.1 15.4 23.0

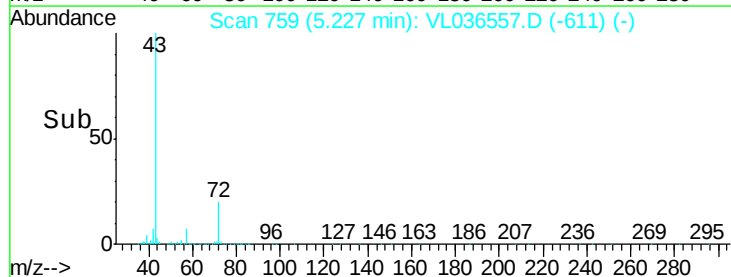
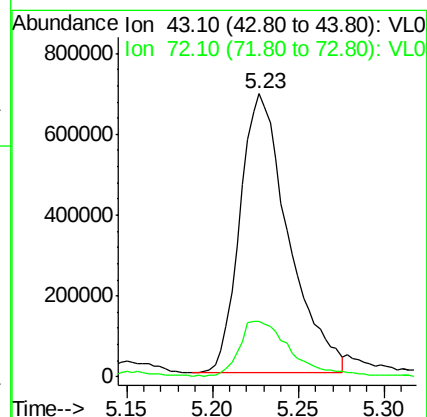
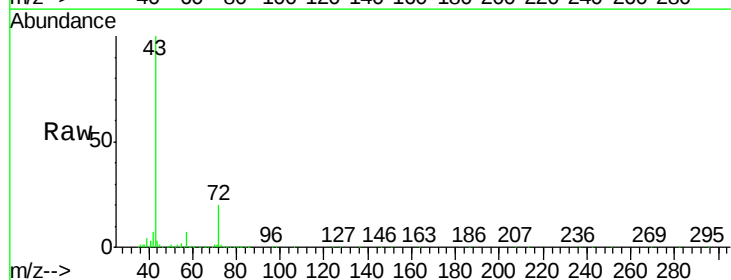
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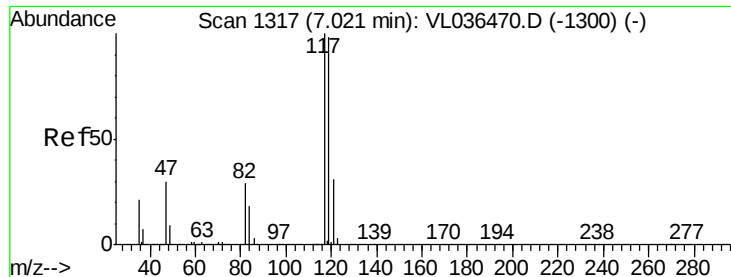
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#34
 2-Butanone
 Concen: 7.834 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion: 43 Resp: 1355499
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.0 25.6





#35

Carbon Tetrachloride

Concen: 8.690 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2366175

Ion Ratio Lower Upper

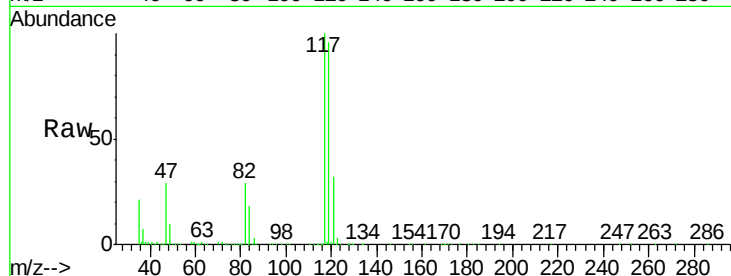
117 100

119 95.7 78.2 117.2

121 32.5 24.5 36.7

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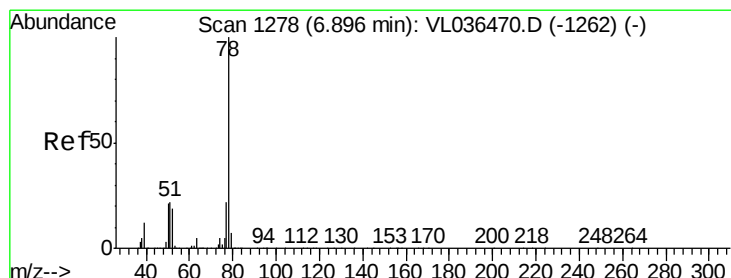
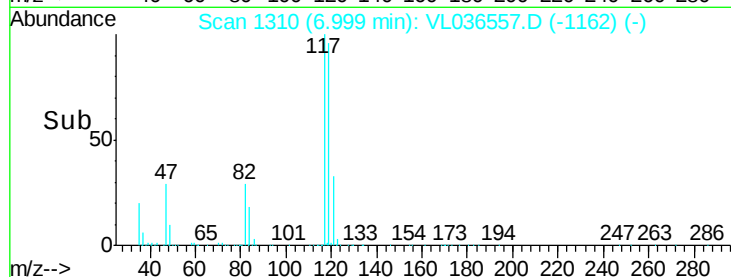
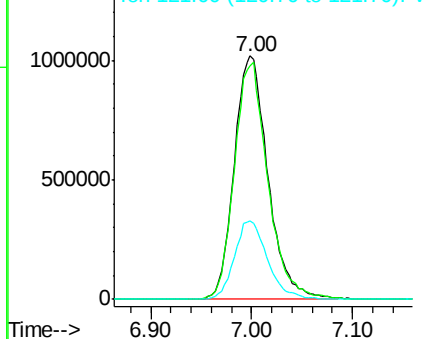
MMDadoda
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.848 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

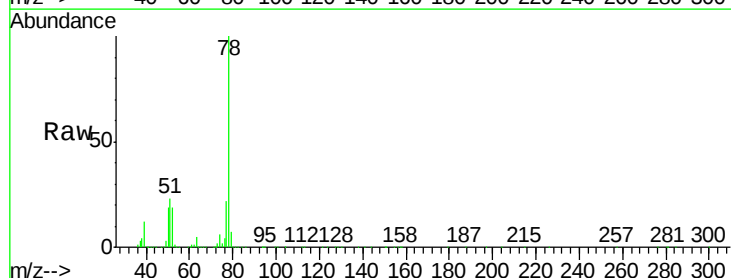
Tgt Ion: 78 Resp: 2892622

Ion Ratio Lower Upper

78 100

77 21.8 18.0 27.0

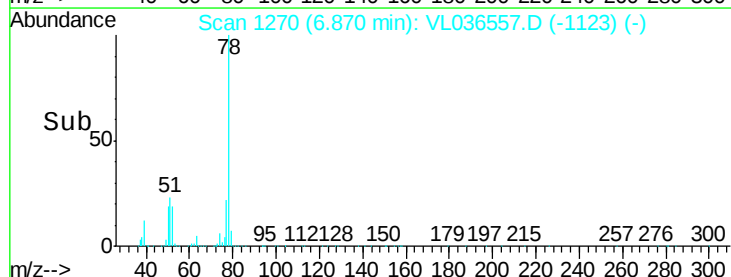
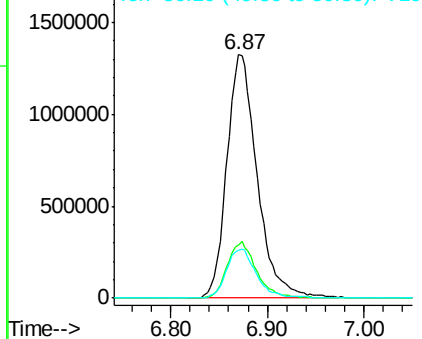
50 19.5 16.5 24.7

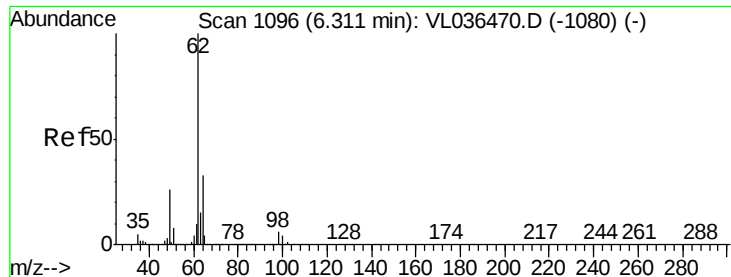


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





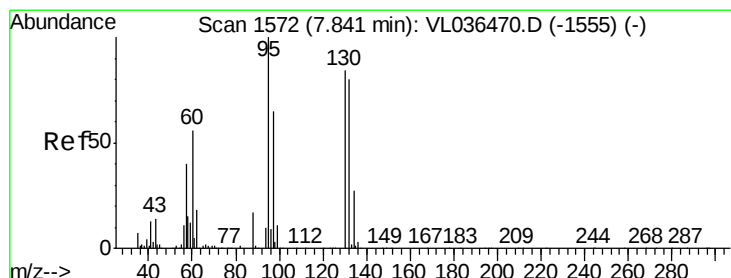
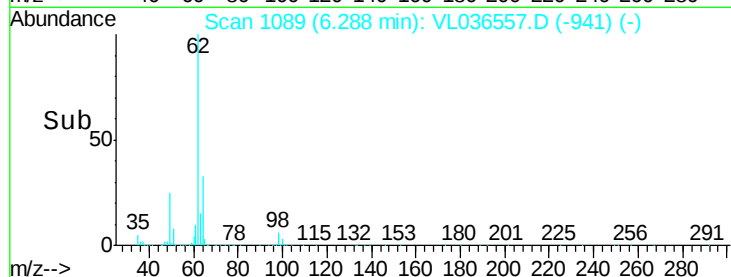
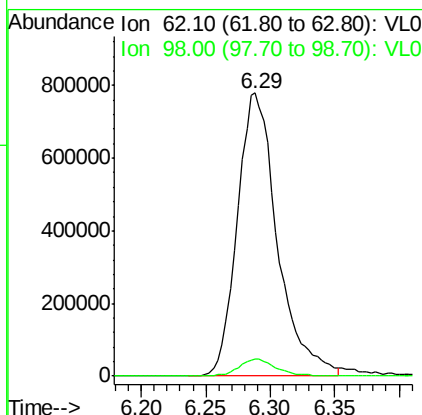
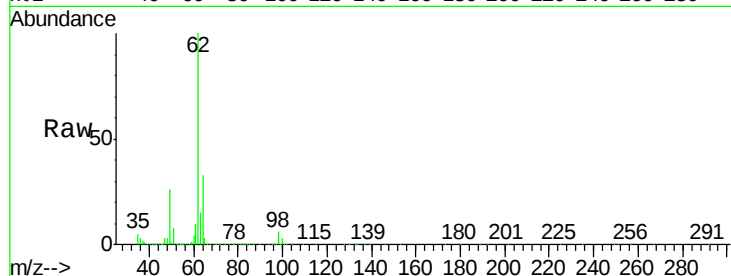
#37
 1,2-Dichloroethane
 Concen: 8.784 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1690297
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.9 7.3

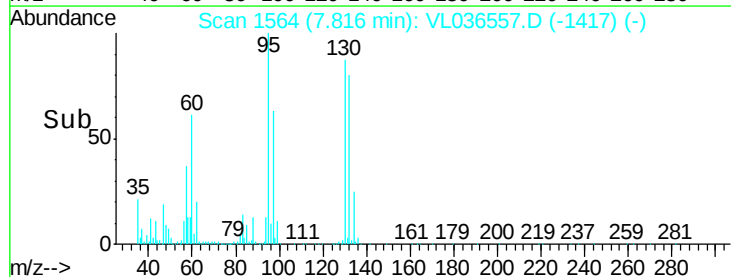
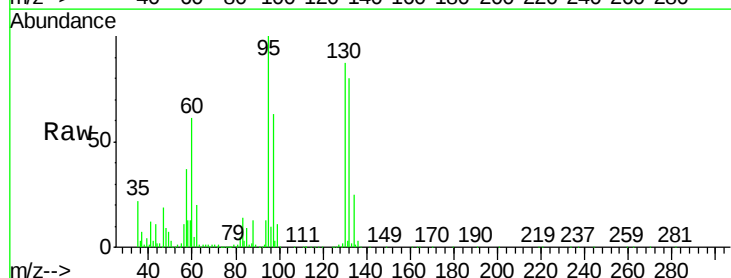
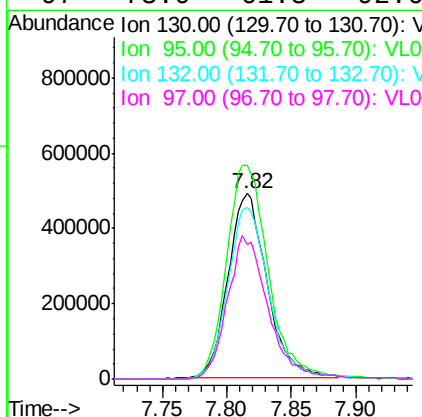
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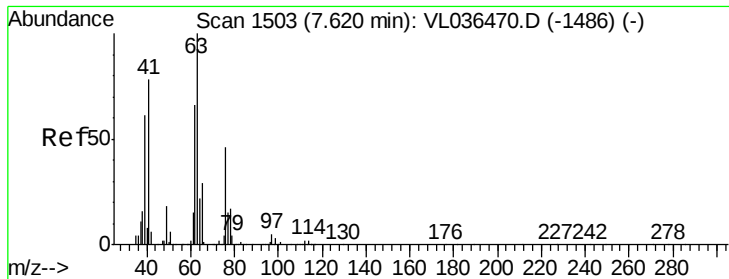
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 3/30/2021 7:44:50 PM



#38
 Trichloroethene
 Concen: 8.080 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion: 130 Resp: 1028075
 Ion Ratio Lower Upper
 130 100
 95 115.7 95.7 143.5
 132 93.2 76.2 114.4
 97 73.0 61.8 92.6





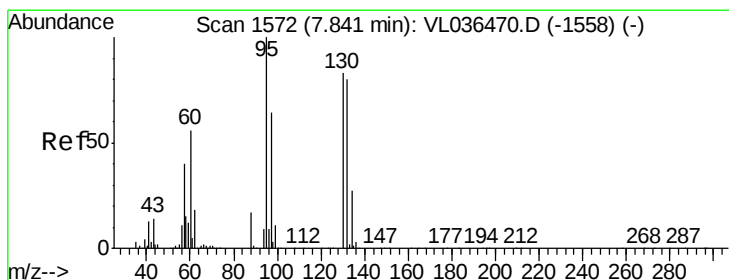
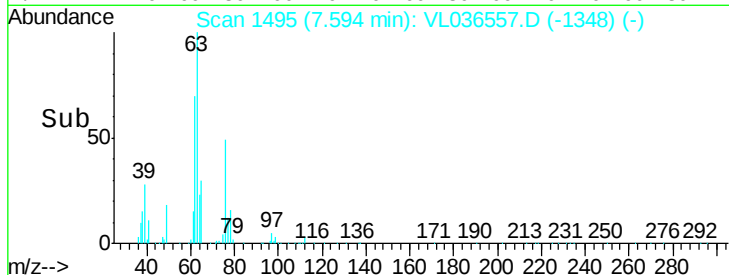
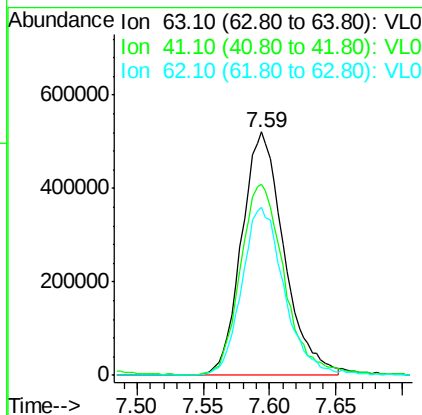
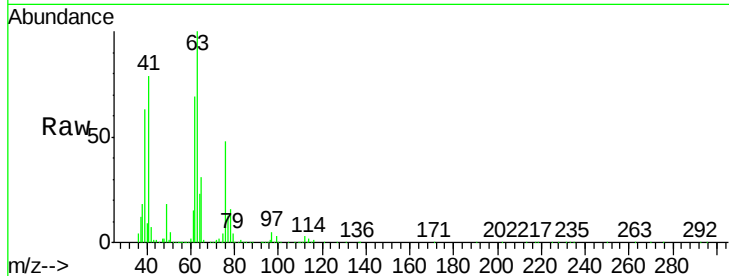
#39
 1,2-Dichloropropane
 Concen: 8.721 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.3	62.4	93.6
62	69.0	52.8	79.2

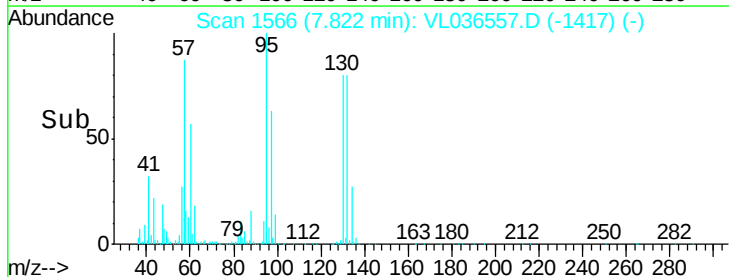
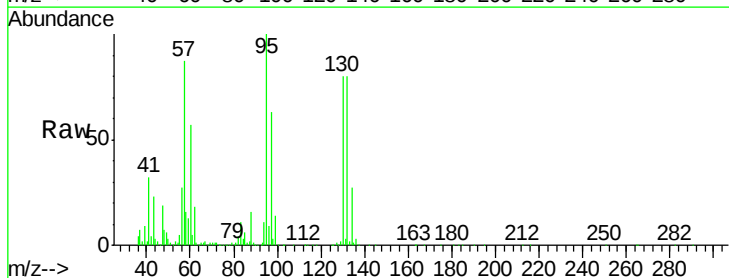
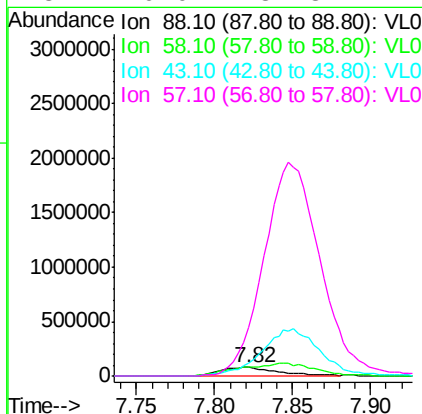
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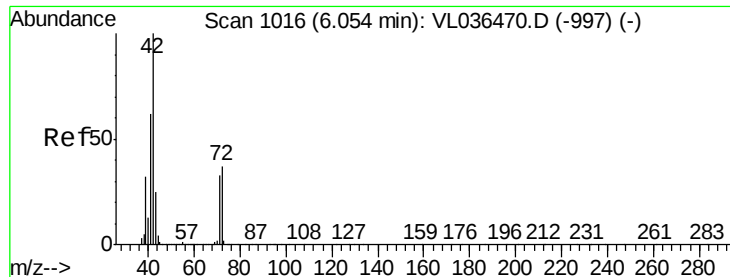
MMDadoda
 3/30/2021 7:44:50 PM



#40
 1,4-Dioxane
 Concen: 6.785 ppbv m
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





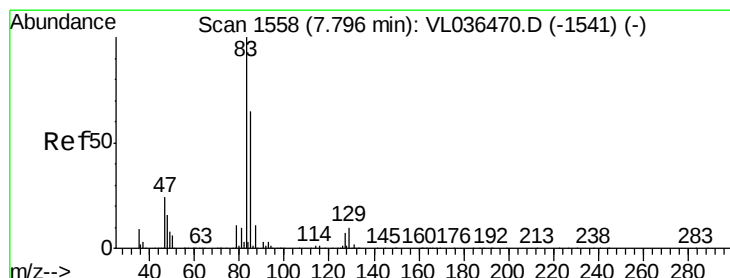
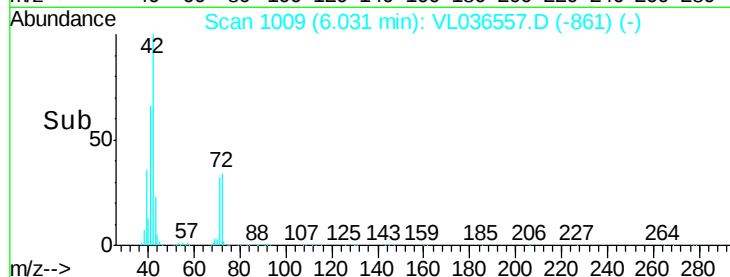
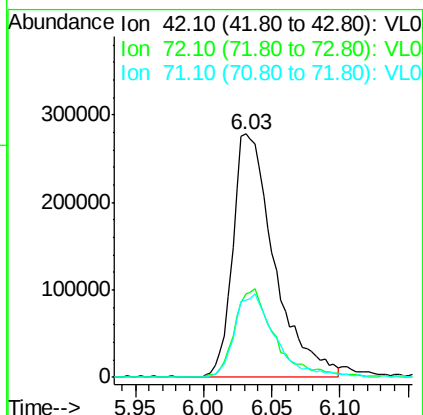
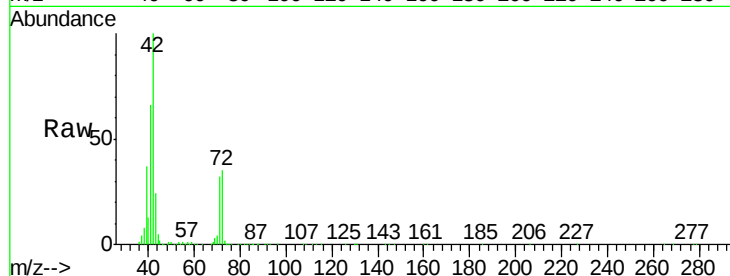
#41
Tetrahydrofuran
Concen: 7.340 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	27.6	41.4
71	34.7	27.0	40.4

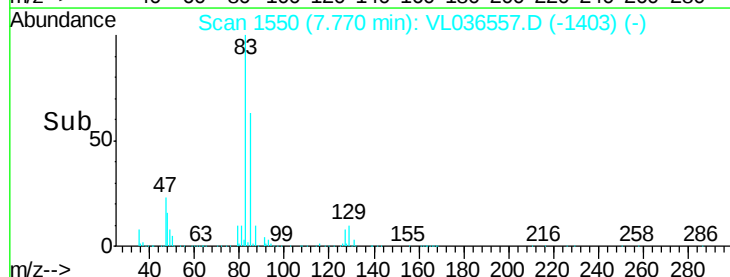
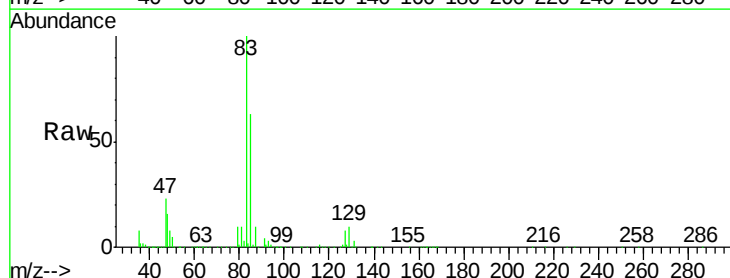
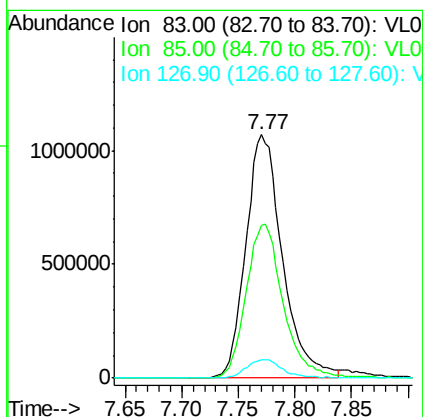
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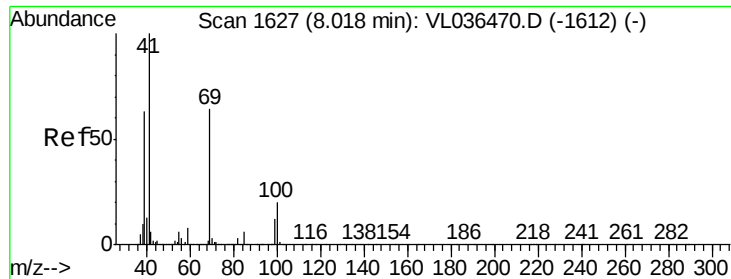
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#42
Bromodichloromethane
Concen: 9.223 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	7.7	5.8	8.8





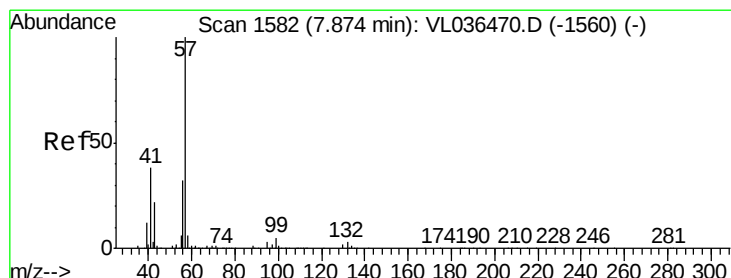
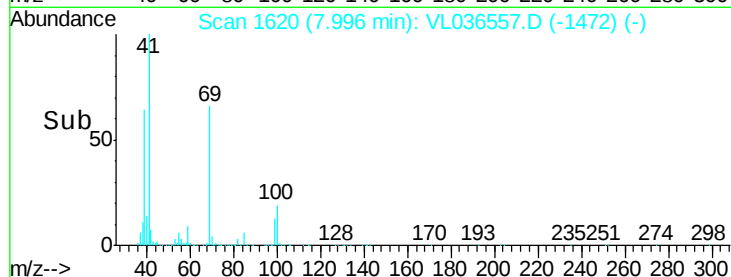
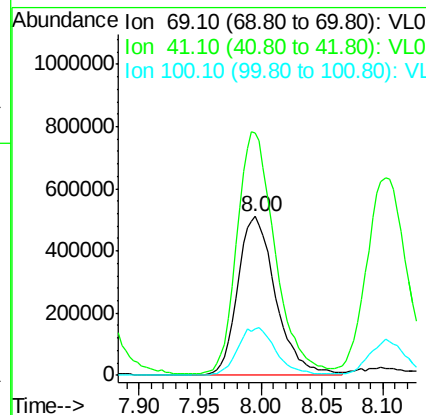
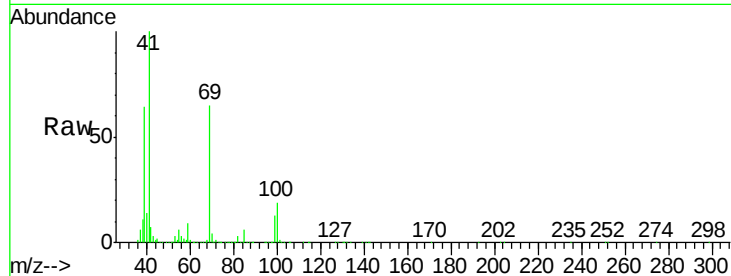
#43
Methvl Methacrilate
Concen: 10.048 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1103068
Ion Ratio Lower Upper
69 100
41 153.9 126.8 190.2
100 30.2 24.9 37.3

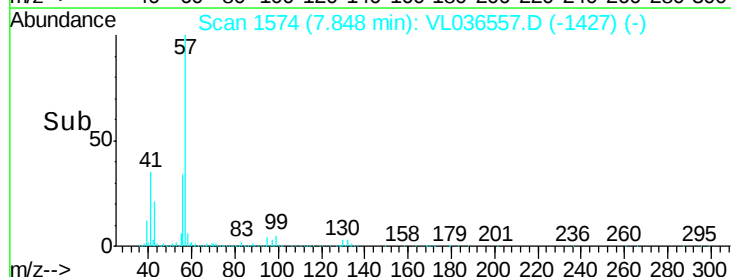
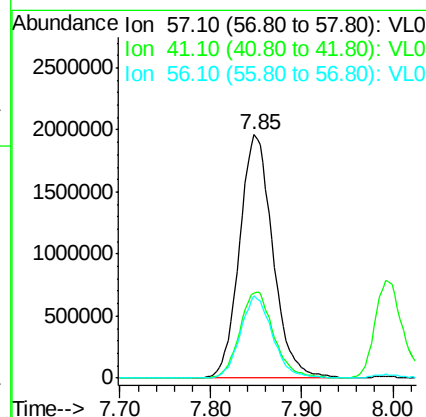
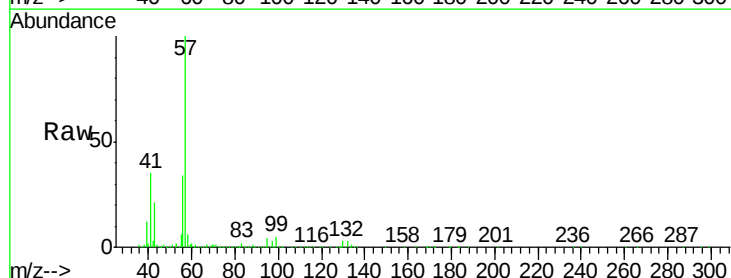
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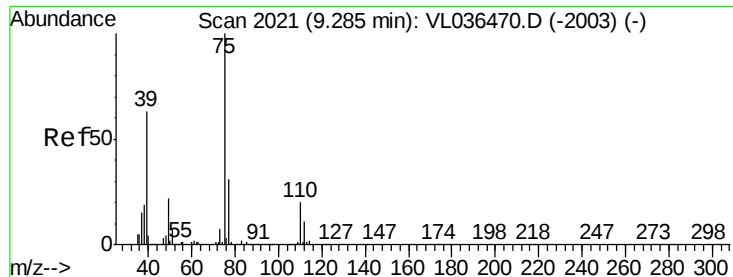
MMDadoda
3/30/2021 7:44:50 PM



#44
2,2,4-Trimethylpentane
Concen: 8.657 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 57 Resp: 4981543
Ion Ratio Lower Upper
57 100
41 36.2 28.8 43.2
56 32.8 26.1 39.1





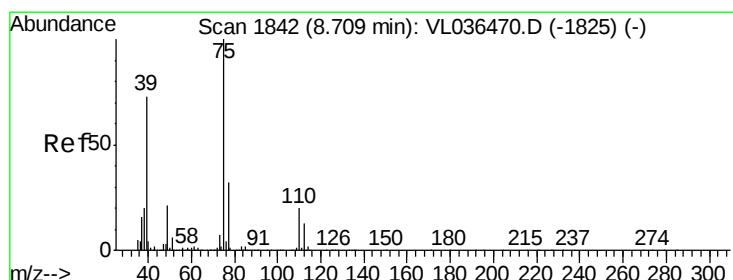
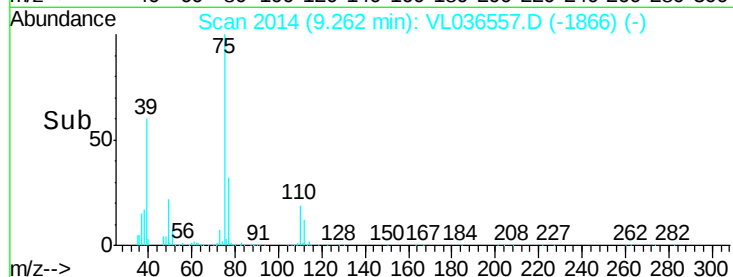
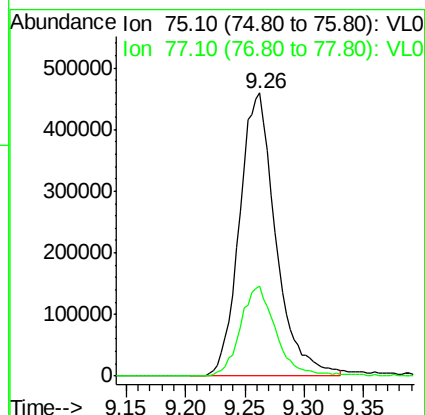
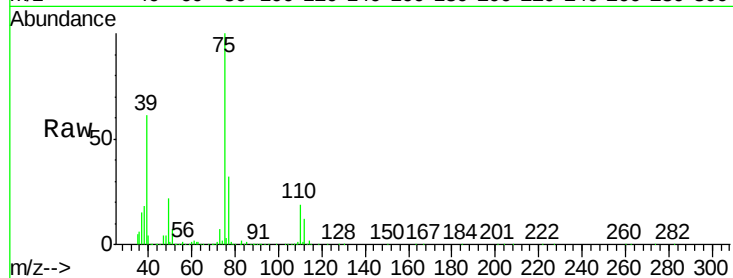
#45
t-1,3-Dichloropropene
Concen: 7.751 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 971653
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7

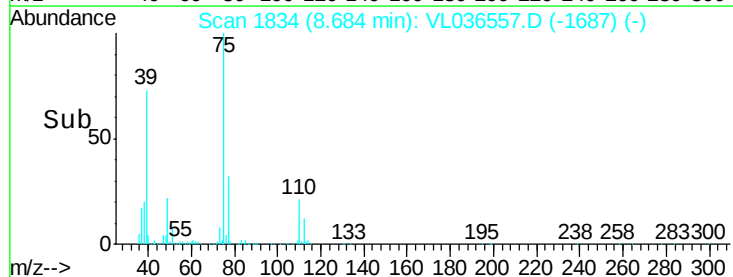
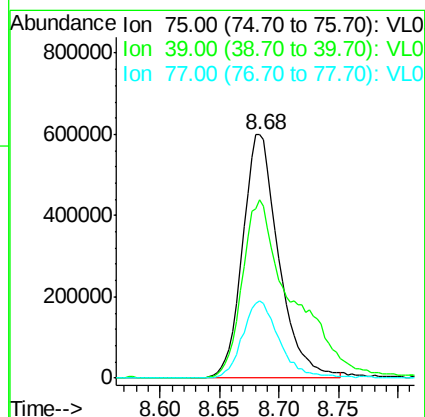
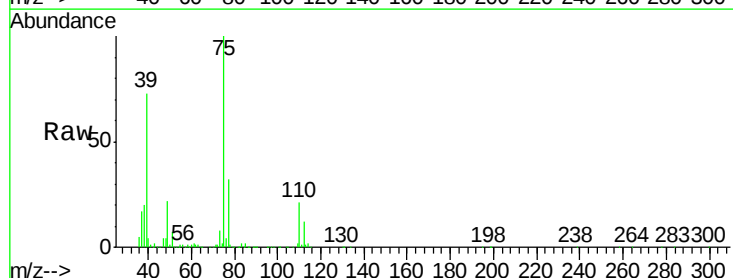
Manual Integrations
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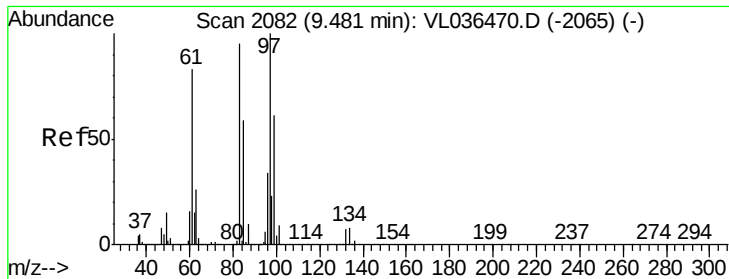
MMDadoda
3/30/2021 7:44:50 PM



#46
cis-1,3-Dichloropropene
Concen: 7.885 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 75 Resp: 1263538
Ion Ratio Lower Upper
75 100
39 72.9 58.2 87.2
77 31.6 25.2 37.8





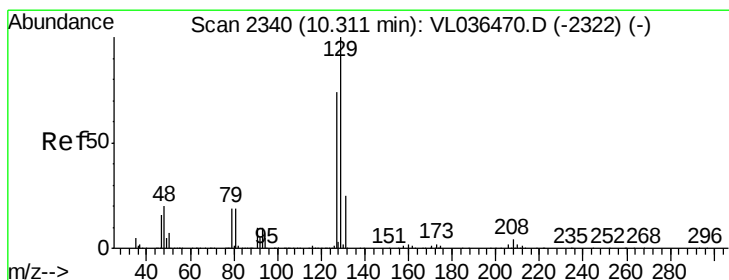
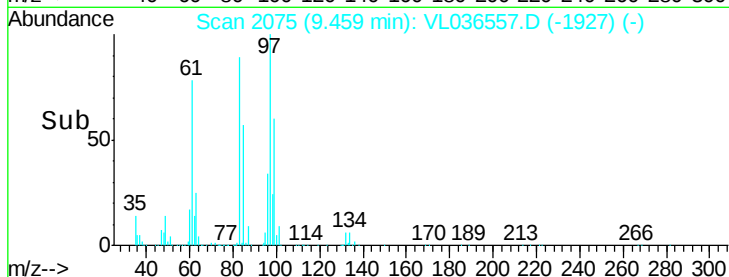
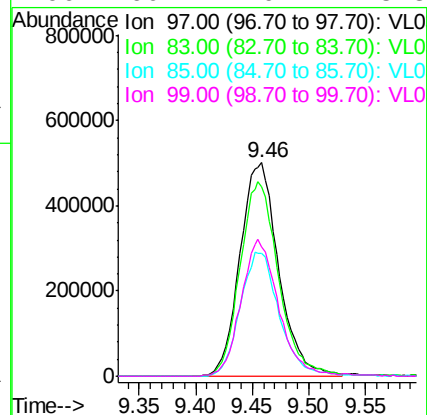
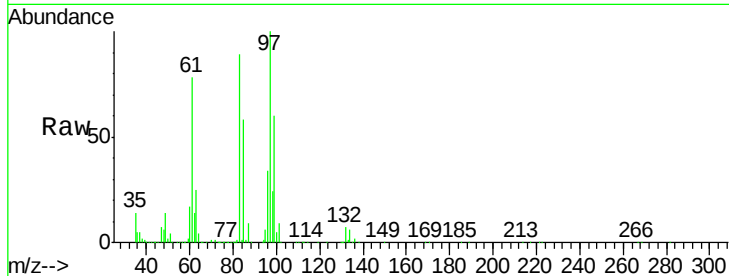
#47
 1,1,2-Trichloroethane
 Concen: 8.878 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.02 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	97	Resp:	1192553
Ion	Ratio	Lower	Upper
97	100		
83	88.9	75.8	113.8
85	57.5	47.1	70.7
99	60.4	49.2	73.8

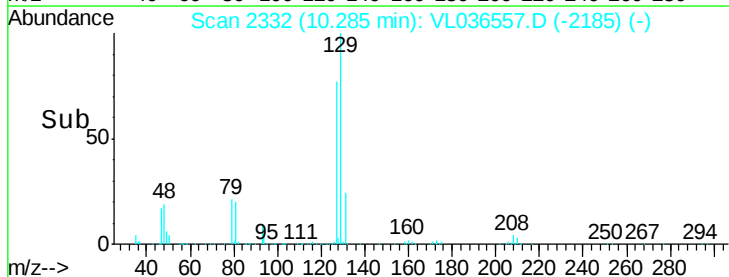
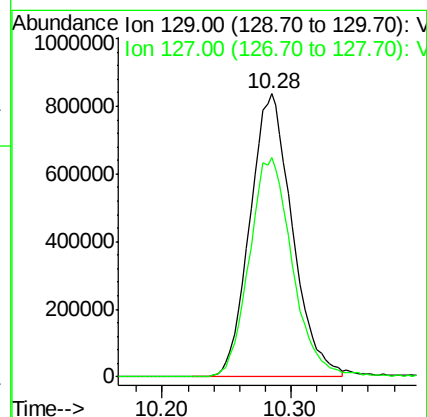
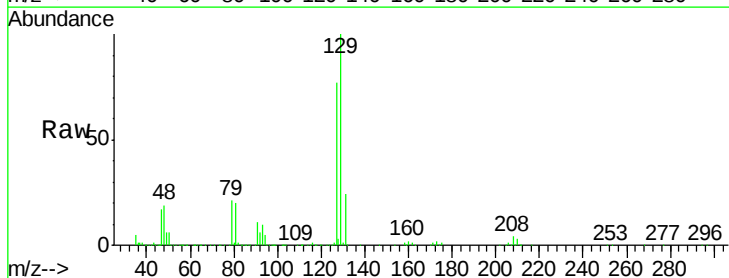
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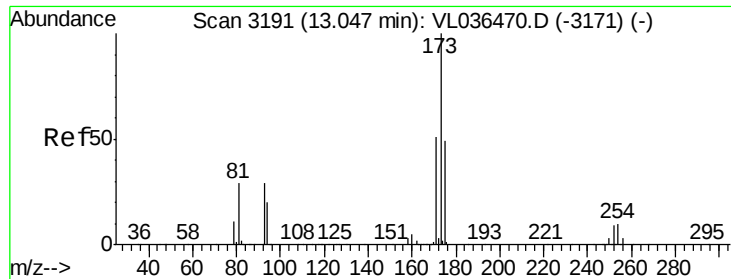
MMDadoda
 3/30/2021 7:44:50 PM



#48
 Dibromochloromethane
 Concen: 9.347 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion:	129	Resp:	1913943
Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.6	118.8





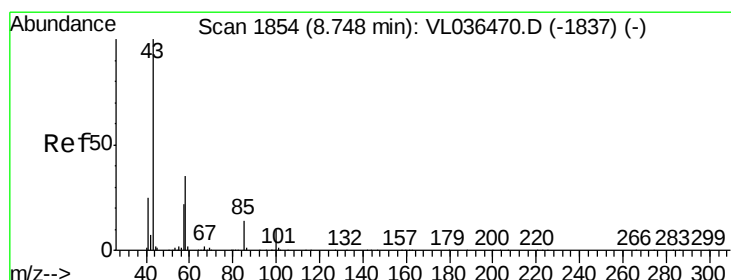
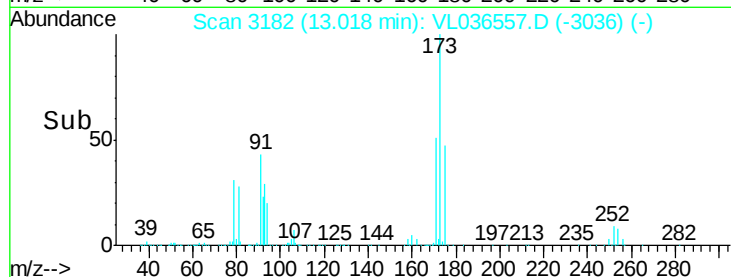
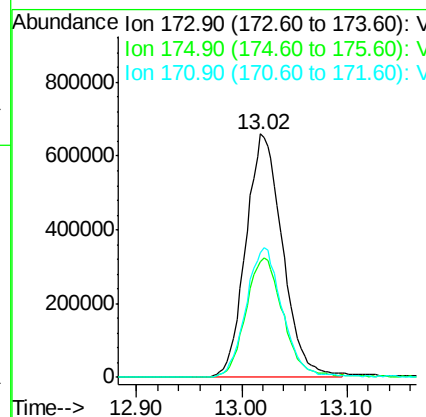
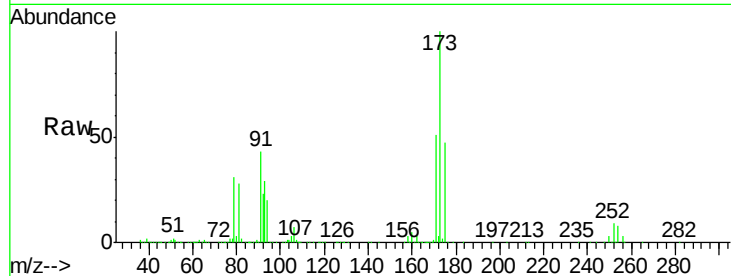
#49
Bromoform
Concen: 9.688 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1598451
Ion Ratio Lower Upper
173 100
175 49.9 39.6 59.4
171 53.1 41.4 62.0

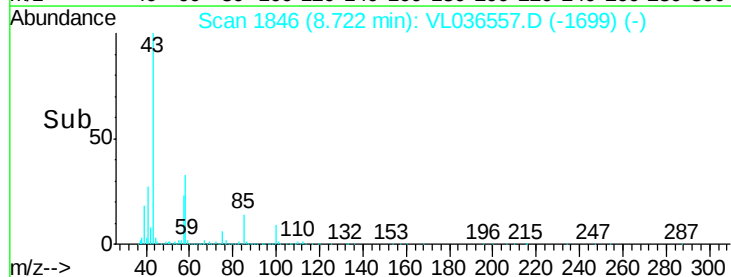
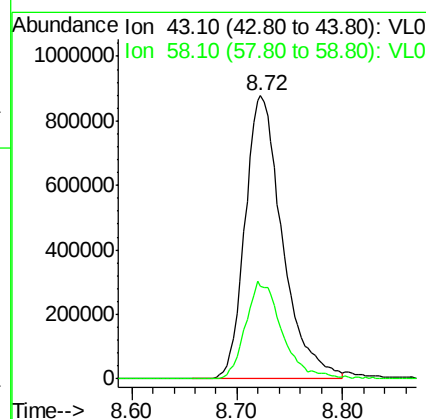
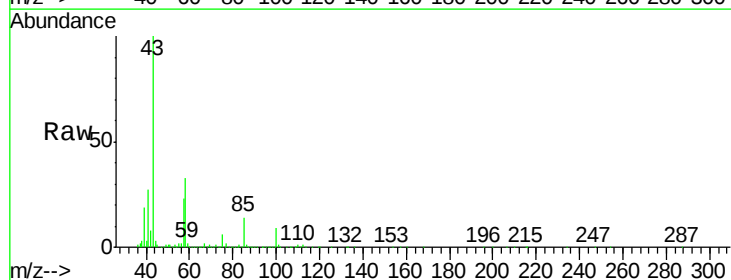
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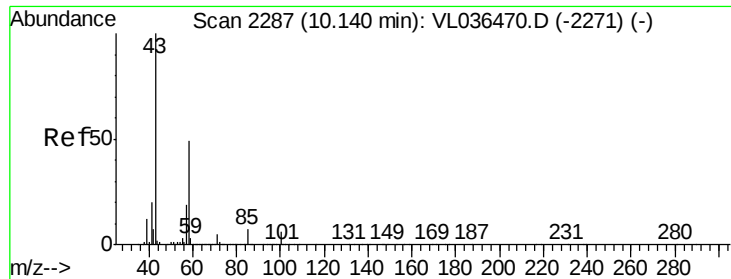
MMDadoda
3/30/2021 7:44:50 PM



#50
4-Methyl-2-Pentanone
Concen: 8.605 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 43 Resp: 2154571
Ion Ratio Lower Upper
43 100
58 34.1 28.2 42.2





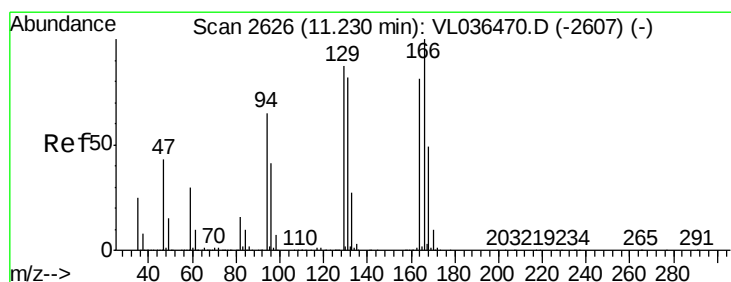
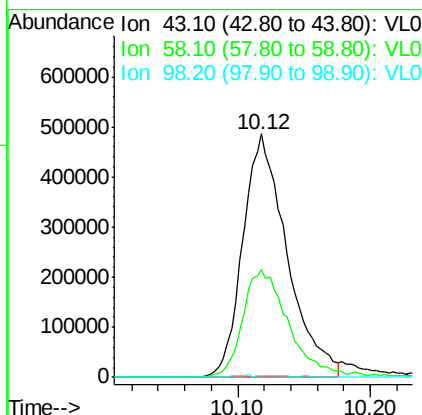
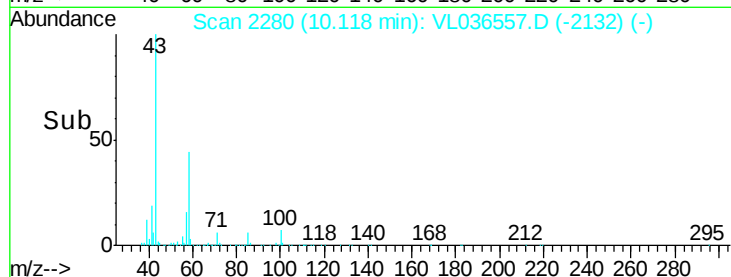
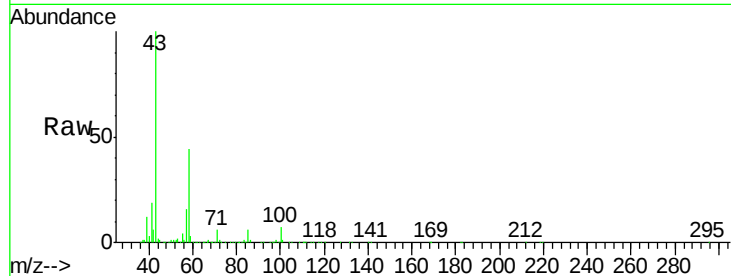
#51
2-Hexanone
Concen: 8.913 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1126224
Ion Ratio Lower Upper
43 100
58 47.1 37.7 56.5
98 0.7 0.2 0.2#

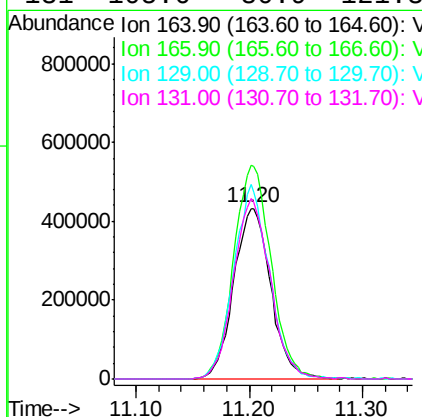
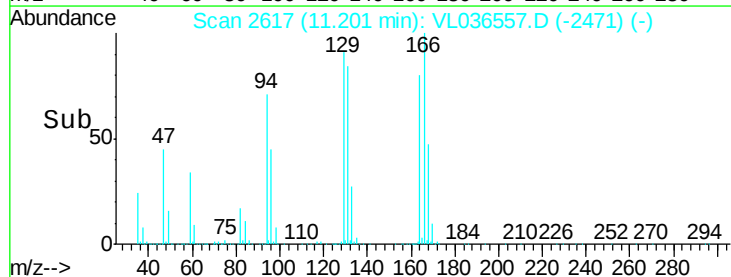
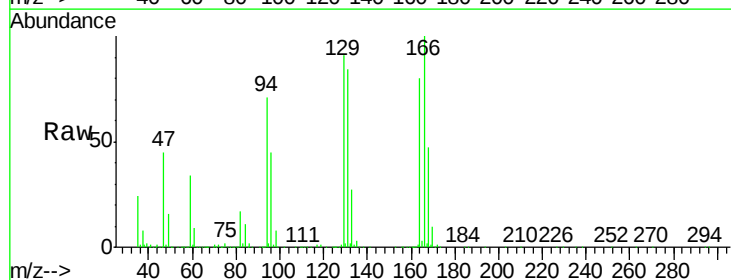
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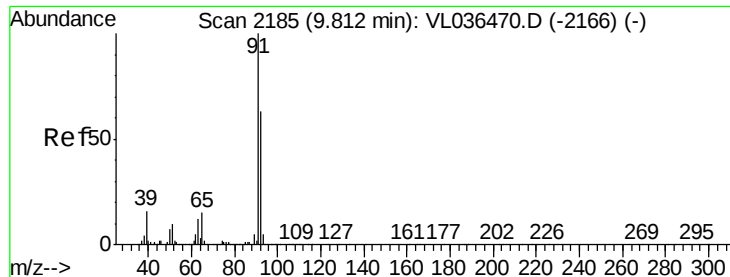
MMDadoda
3/30/2021 7:44:50 PM



#52
Tetrachloroethene
Concen: 8.163 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 164 Resp: 982738
Ion Ratio Lower Upper
164 100
166 125.2 98.3 147.5
129 113.9 85.8 128.8
131 105.6 80.9 121.3





#53

Toluene

Concen: 9.292 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3235200

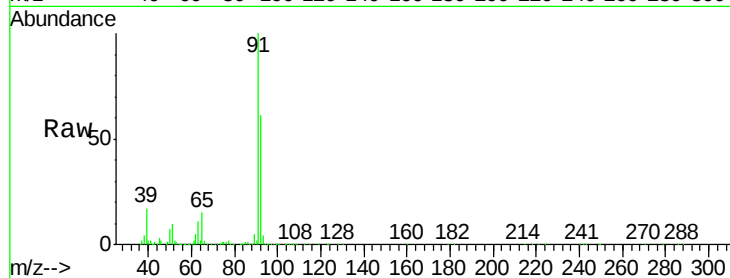
Ion Ratio Lower Upper

91 100

92 60.8 48.8 73.2

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.78

1500000

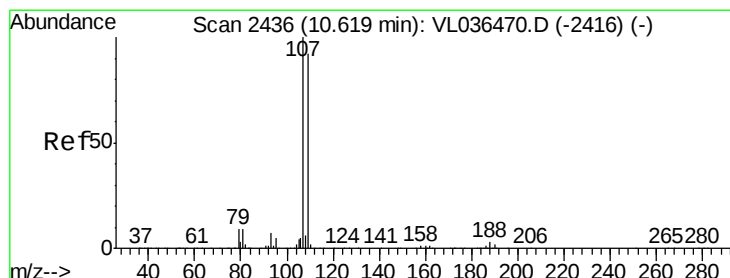
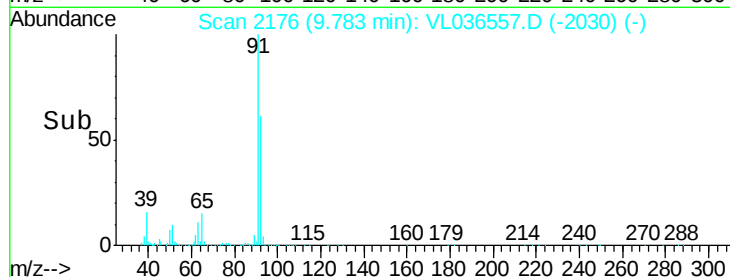
1000000

500000

0

9.70 9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 8.905 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.03 min

Lab File: VL036557.D

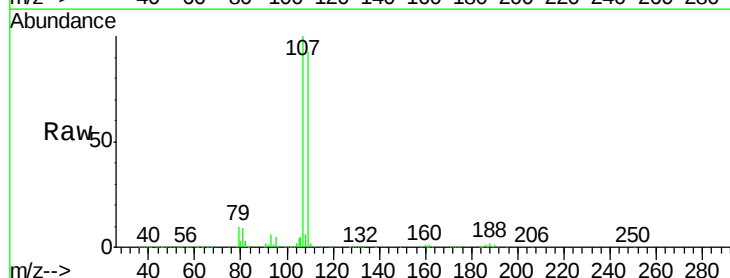
Acq: 30 Mar 2021 3:02

Tgt Ion: 107 Resp: 1689356

Ion Ratio Lower Upper

107 100

109 92.7 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.59

800000

600000

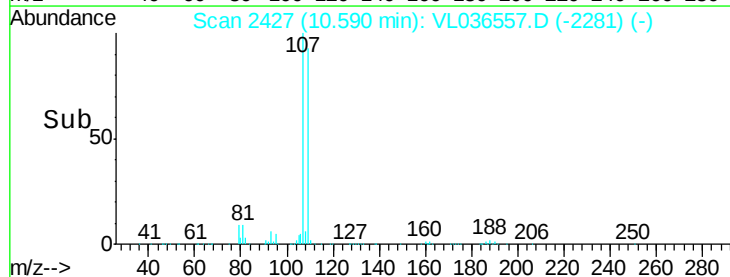
400000

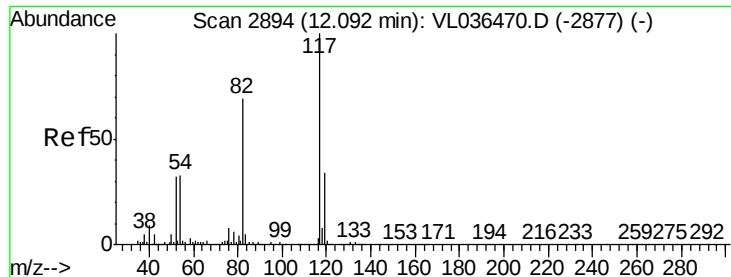
200000

0

10.50 10.60

Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 3394260

Ion Ratio Lower Upper

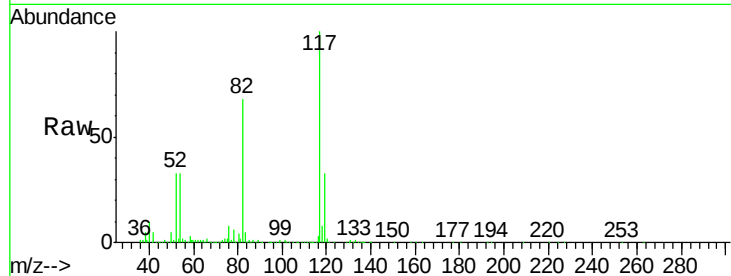
117 100

82 68.0 57.4 86.0

119 30.4 47.4 71.0#

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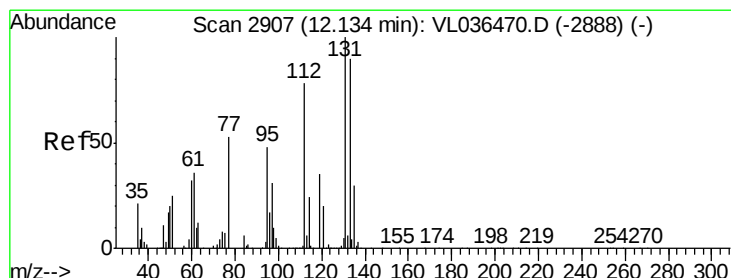
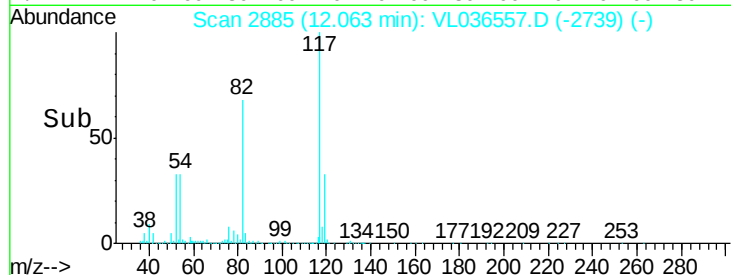
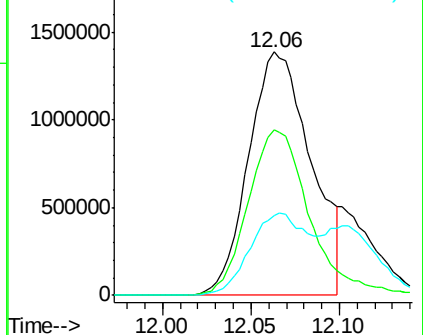
MMDadoda
3/30/2021 7:44:50 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.869 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

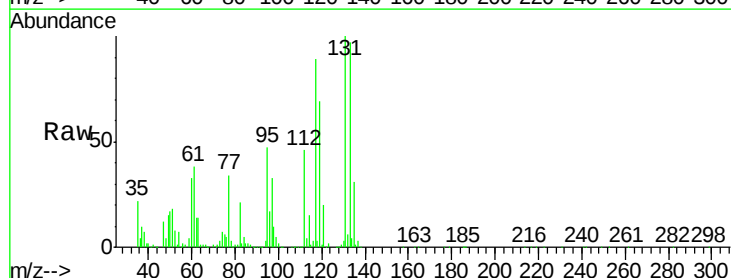
Tgt Ion:131 Resp: 1361606

Ion Ratio Lower Upper

131 100

133 96.6 75.8 113.6

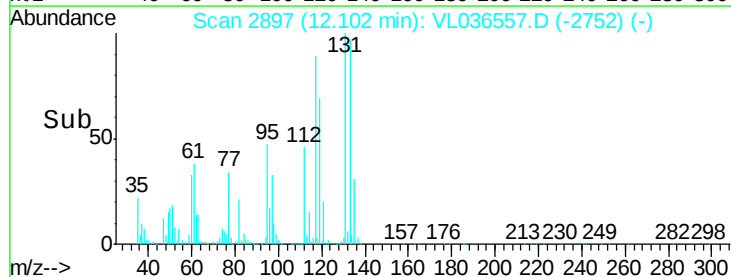
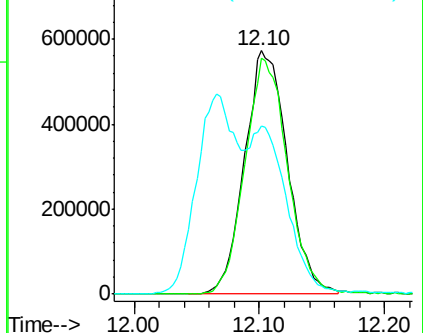
119 142.0 48.7 73.1#

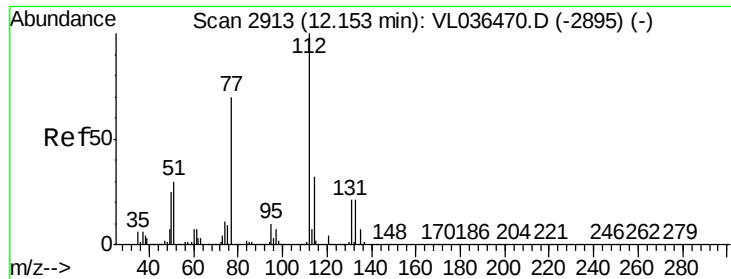


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





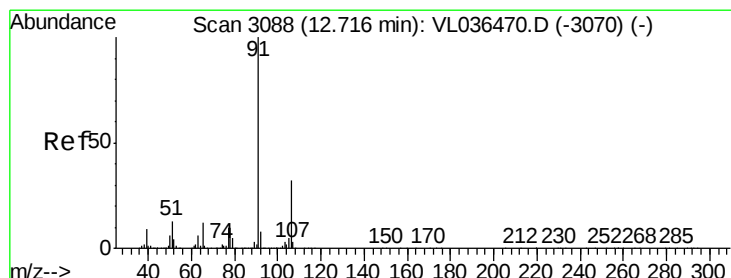
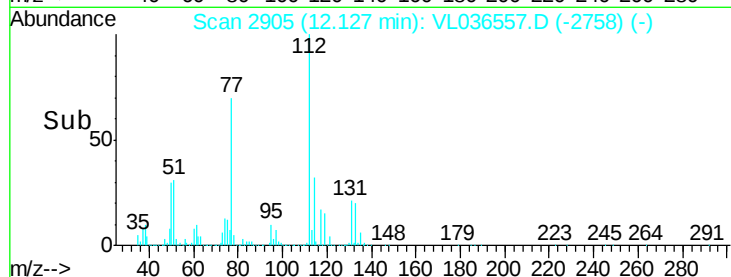
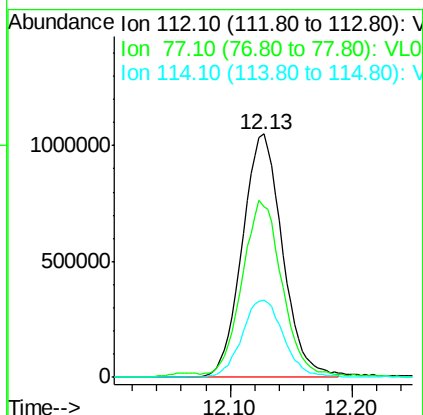
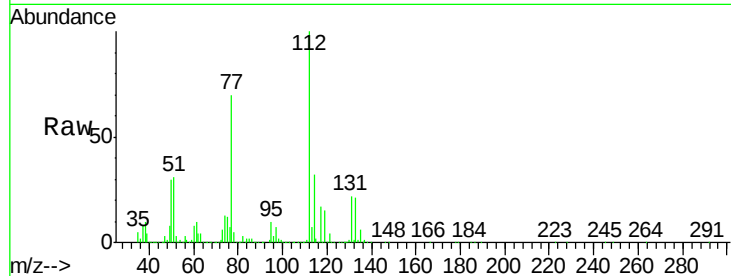
#57
Chlorobenzene
Concen: 8.283 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.0	56.0	84.0
114	31.7	29.0	35.4

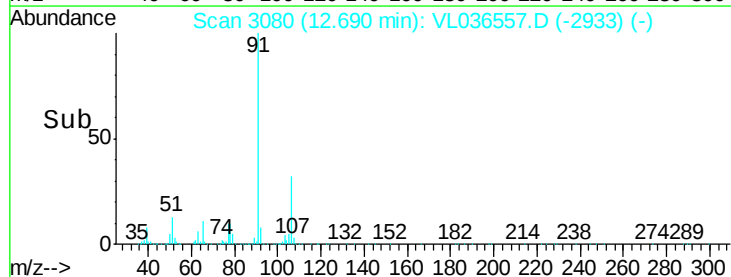
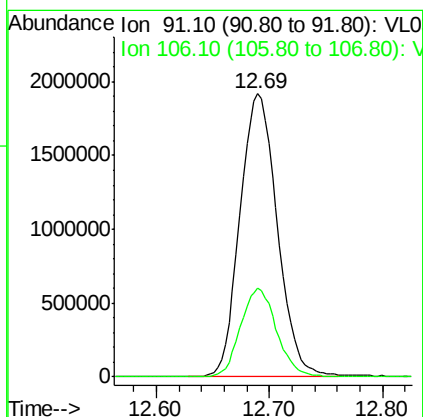
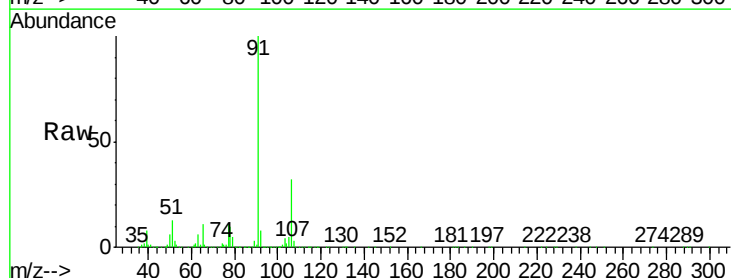
Manual Integrations
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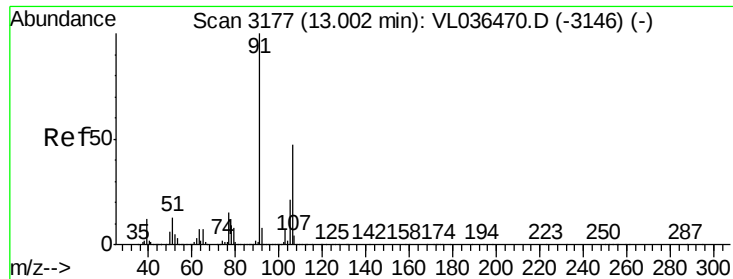
MMDadoda
3/30/2021 7:44:50 PM



#58
Ethyl Benzene
Concen: 8.926 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9





#59

m/p-Xylene

Concen: 17.558 ppbv m

RT: 12.98 min Scan# 3169

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 7562593

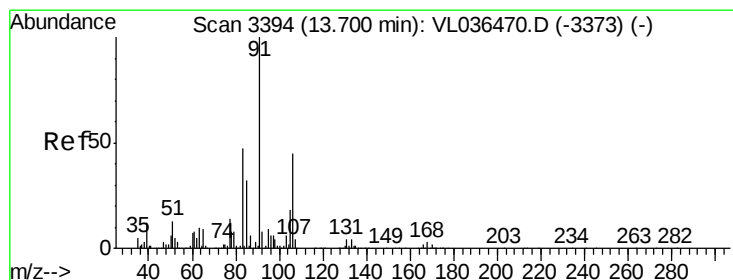
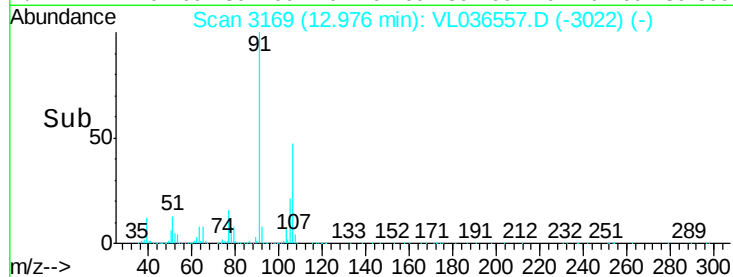
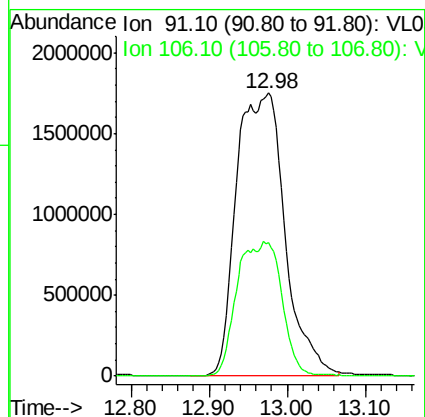
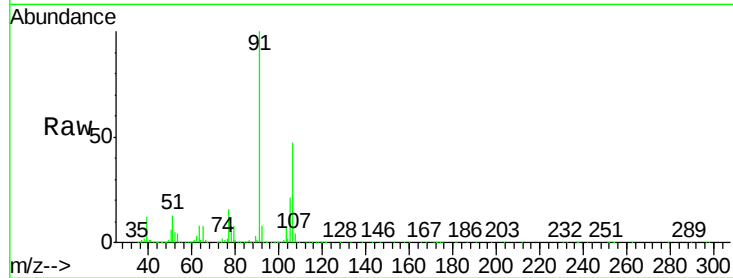
Ion Ratio Lower Upper

91 100

106 43.8 35.3 52.9

Manual Integrations
APPROVED

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3/30/2021 7:44:50 PM



#60

o-Xylene

Concen: 8.631 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.03 min

Lab File: VL036557.D

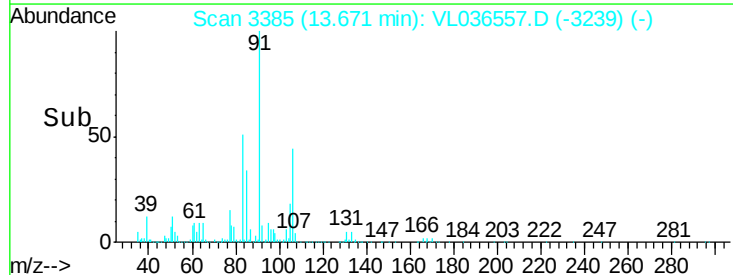
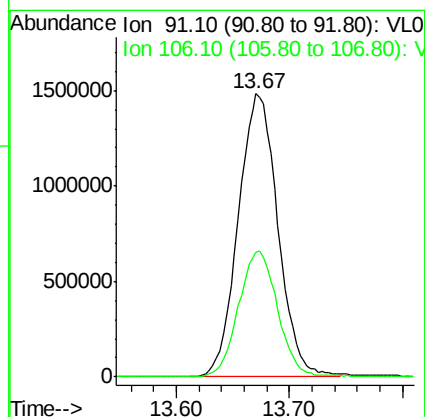
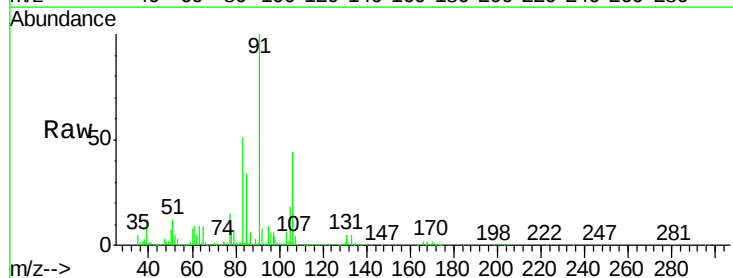
Acq: 30 Mar 2021 3:02

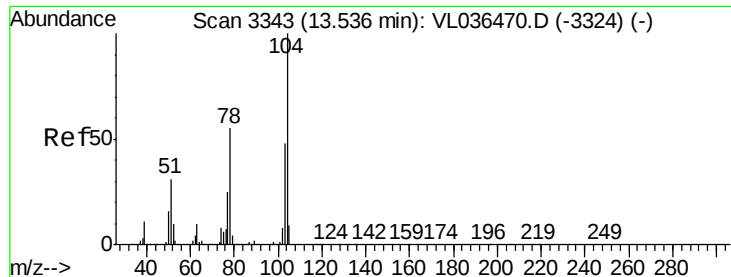
Tgt Ion: 91 Resp: 3594492

Ion Ratio Lower Upper

91 100

106 44.1 22.3 66.9





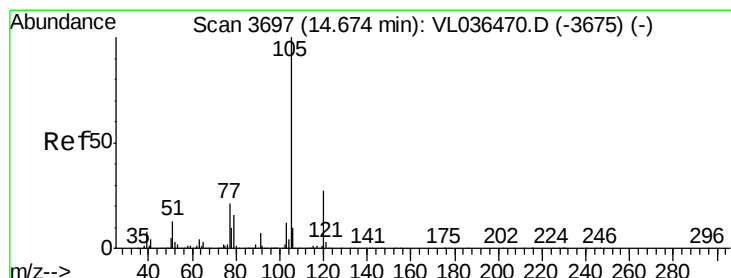
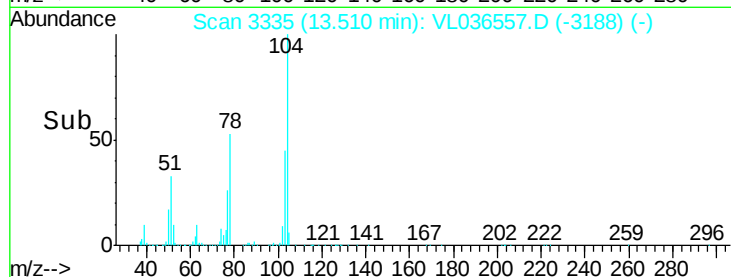
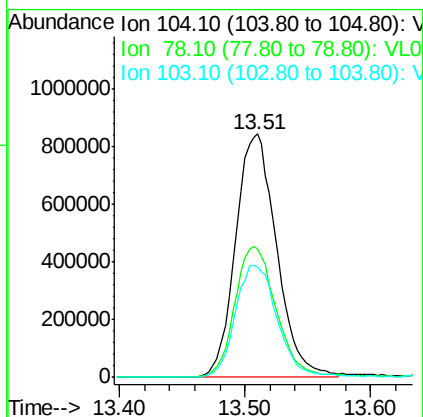
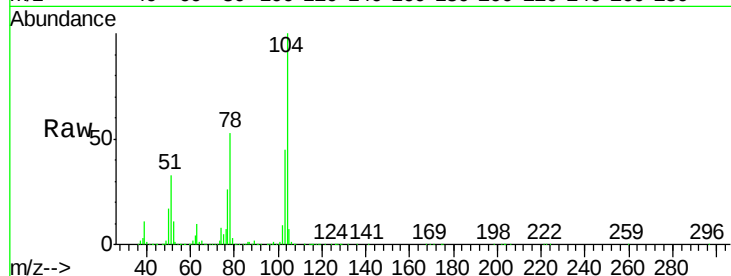
#61
Stvrene
Concen: 9.150 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.0	43.8	65.8
103	47.7	38.3	57.5

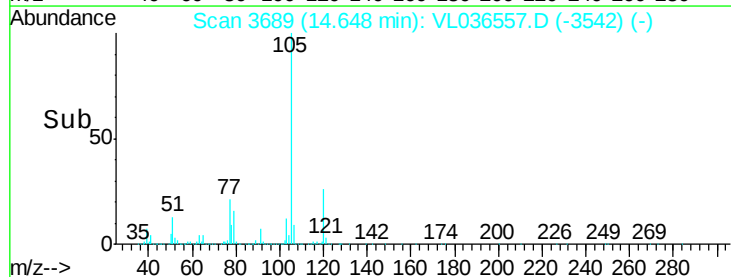
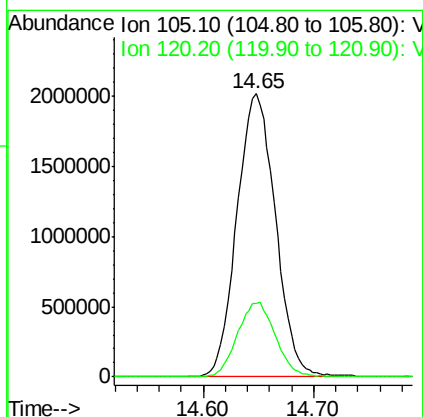
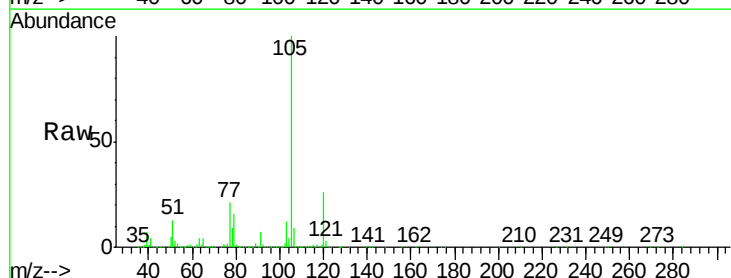
Manual Integrations
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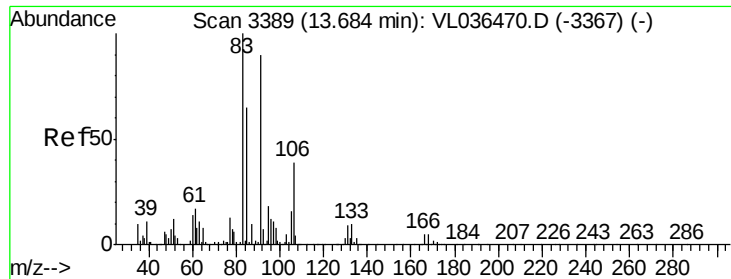
MMDadoda
3/30/2021 7:44:50 PM



#62
Isopropylbenzene
Concen: 8.717 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	31.0





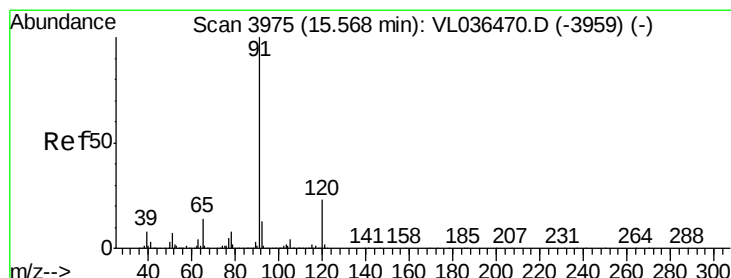
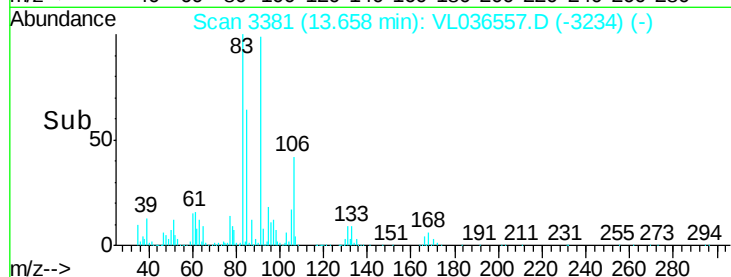
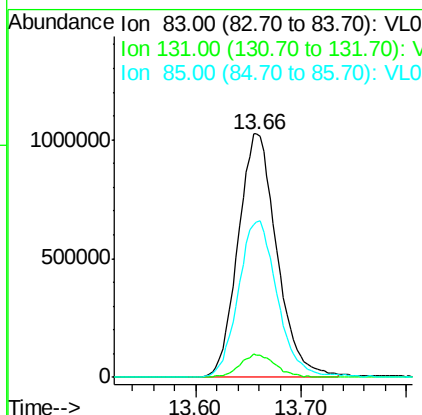
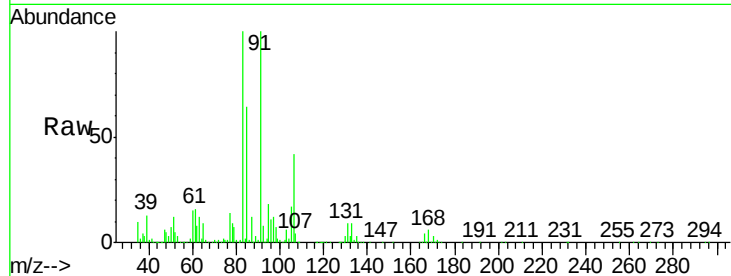
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.244 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	131	85
Resp	2619064	9.0	65.0
Ratio	100		
Lower		4.7	33.1
Upper		14.0	99.3

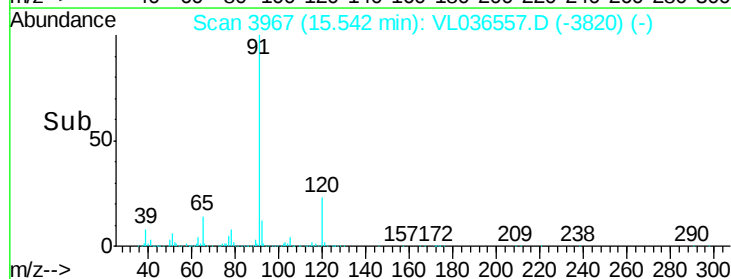
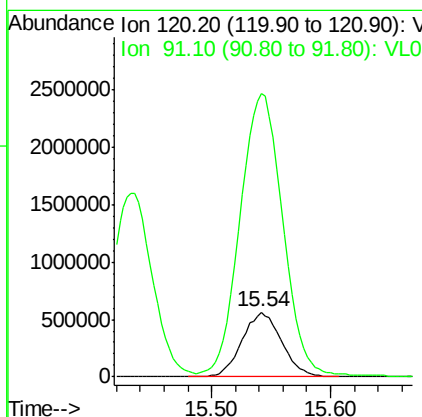
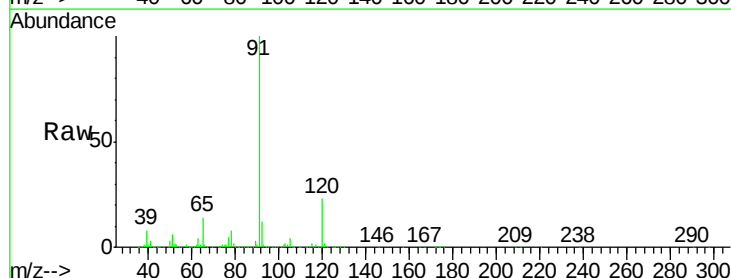
Manual Integrations
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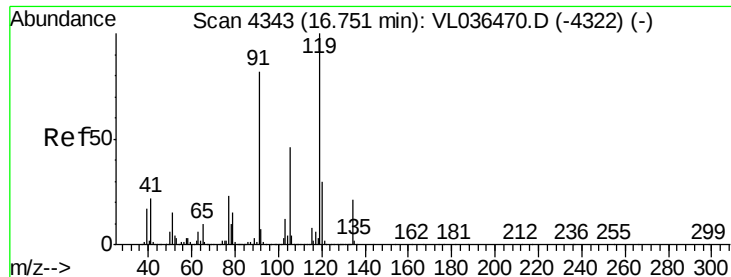
MMDadoda
 3/30/2021 7:44:50 PM



#64
 n-propylbenzene
 Concen: 9.412 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion	120	91
Resp	1290614	477.7
Ratio	100	
Lower		377.4
Upper		566.2





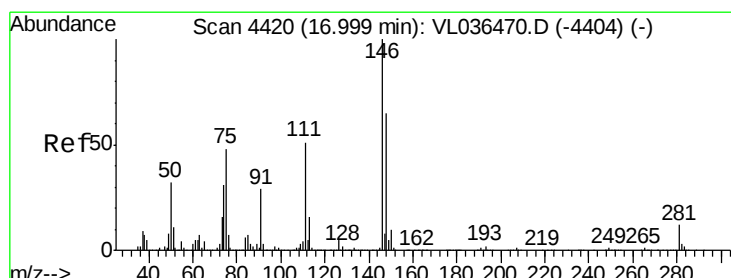
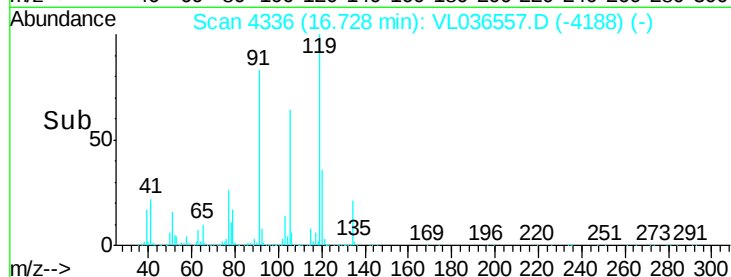
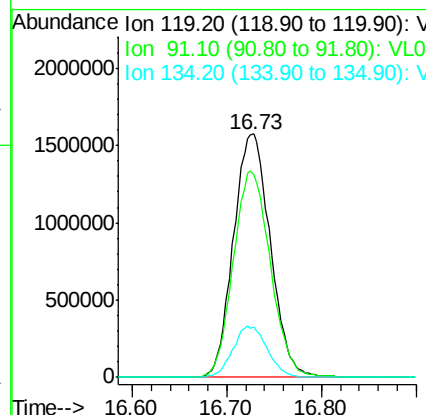
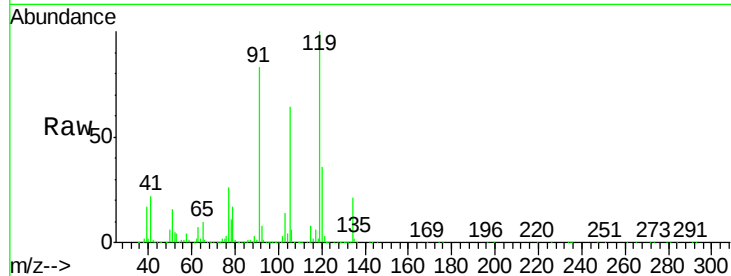
#65
tert-Butylbenzene
Concen: 8.739 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. -0.02 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 4249837
Ion Ratio Lower Upper
119 100
91 86.0 67.5 101.3
134 19.8 15.8 23.8

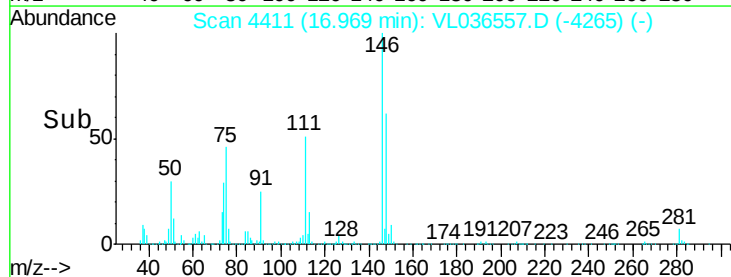
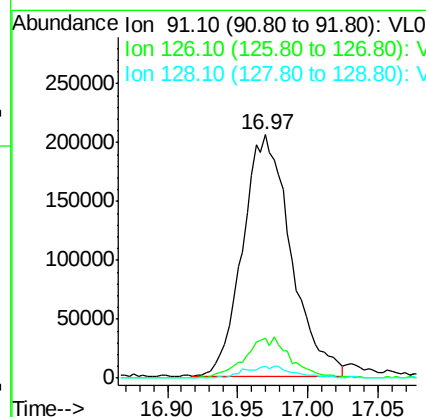
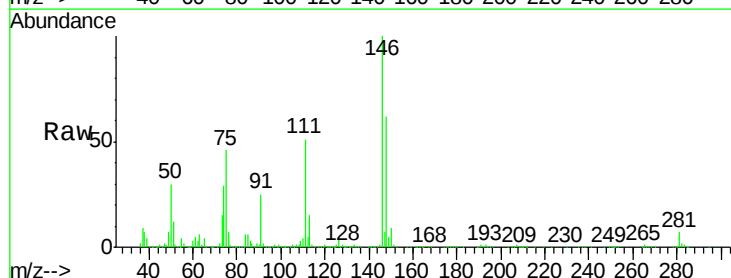
Manual Integrations
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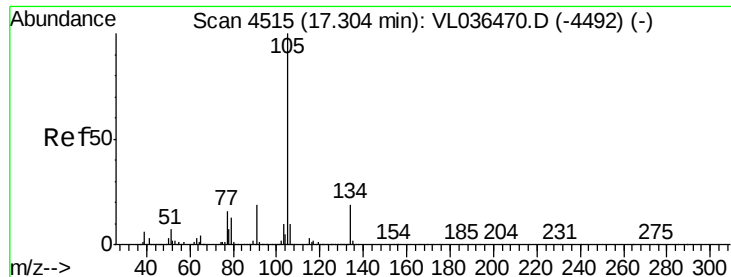
MMDadoda
3/30/2021 7:44:50 PM



#66
Benzyl Chloride
Concen: 9.112 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. -0.03 min
Lab File: VL036557.D
Acq: 30 Mar 2021 3:02

Tgt Ion: 91 Resp: 489829
Ion Ratio Lower Upper
91 100
126 16.8 13.5 20.3
128 5.4 4.2 6.4





#67

sec-Butylbenzene

Concen: 8.758 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6011845

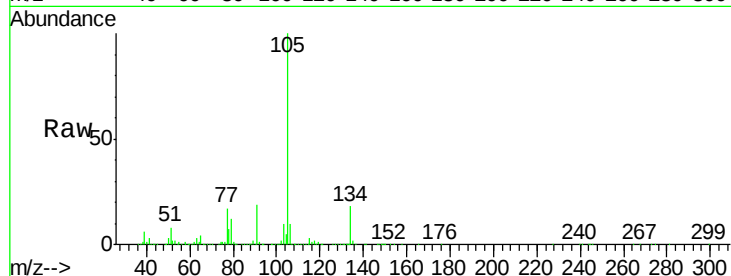
Ion Ratio Lower Upper

105 100

134 18.3 14.7 22.1

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

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

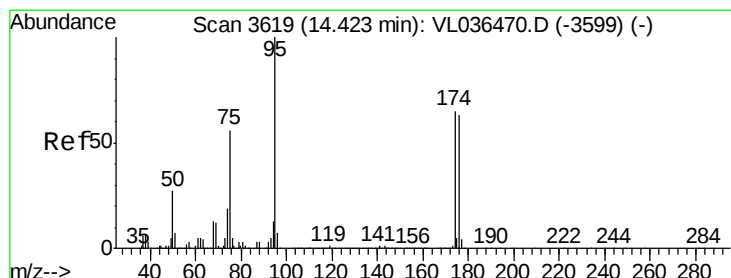
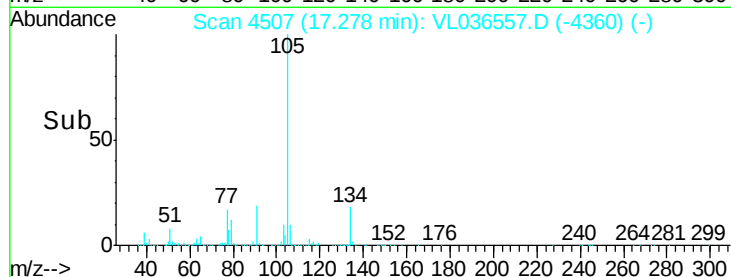
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.492 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

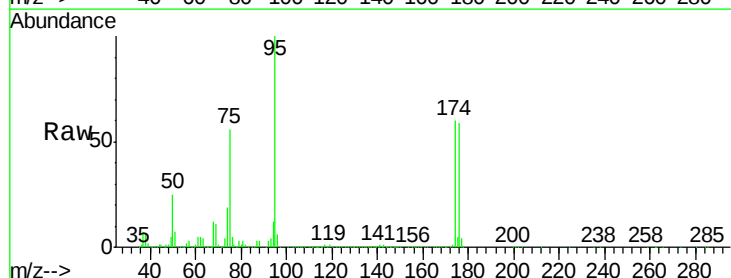
Tgt Ion: 95 Resp: 2838220

Ion Ratio Lower Upper

95 100

174 62.8 51.0 76.6

175 4.7 3.9 5.9



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

1500000

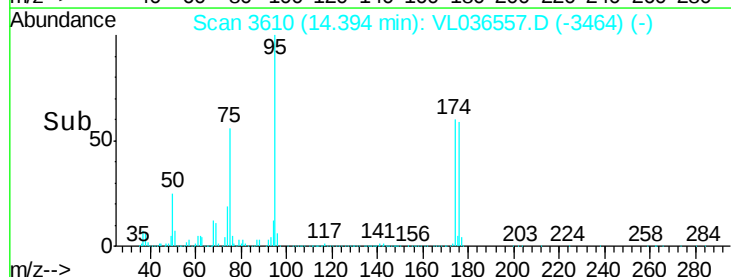
1000000

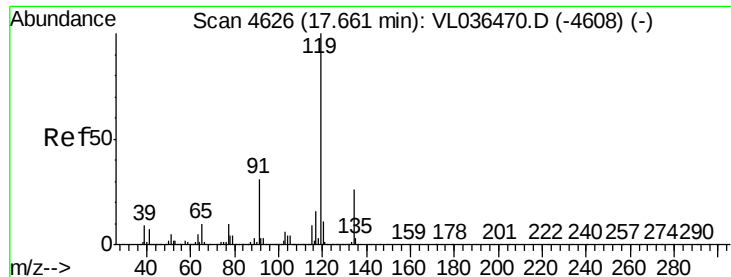
500000

0

14.30 14.40

Time-->





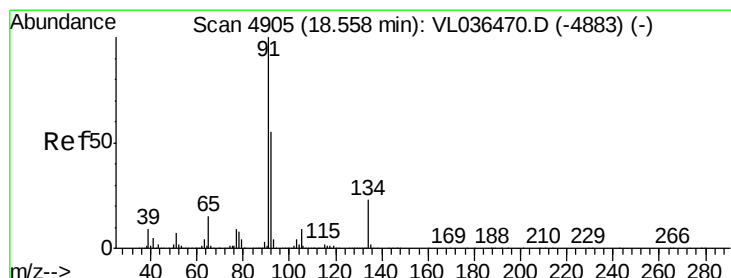
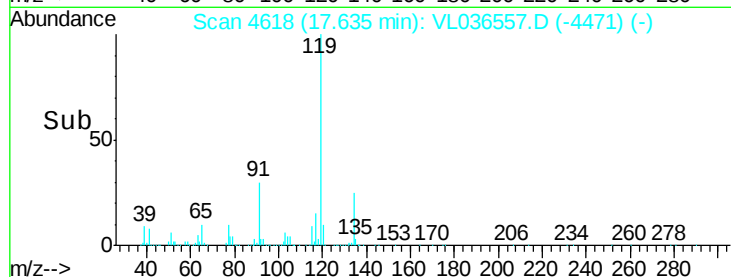
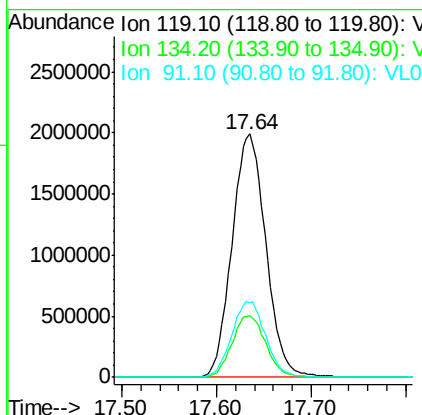
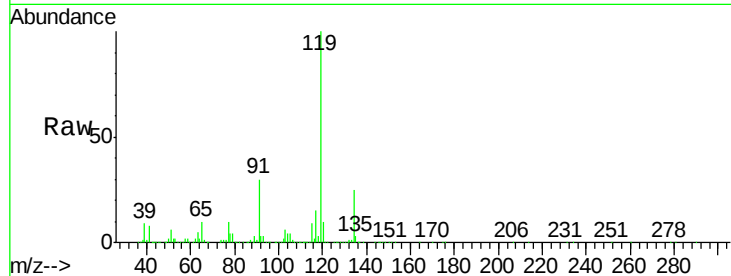
#69
 p-Isopropyltoluene
 Concen: 9.237 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	31.2	25.0	37.6

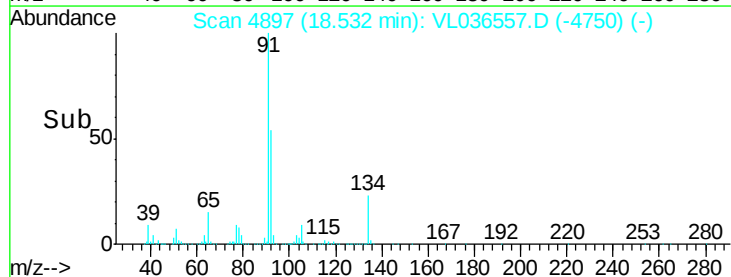
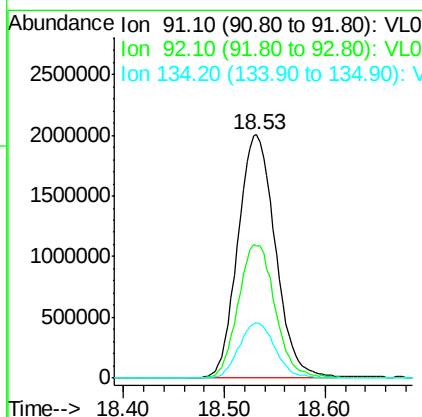
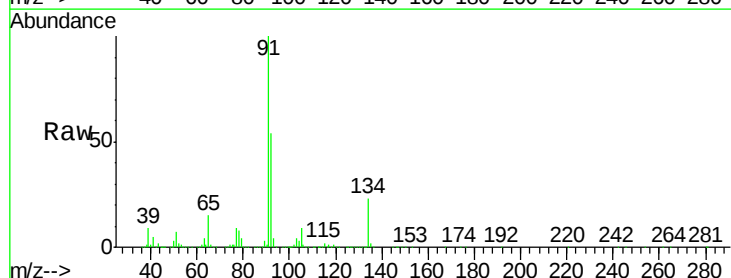
Manual Integrations
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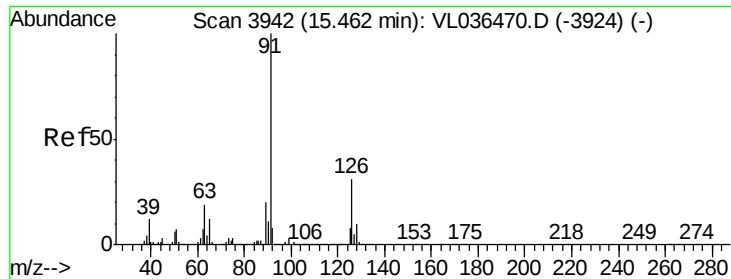
MMDadoda
 3/30/2021 7:44:50 PM



#70
 n-Butylbenzene
 Concen: 9.273 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.8
134	22.1	18.0	27.0





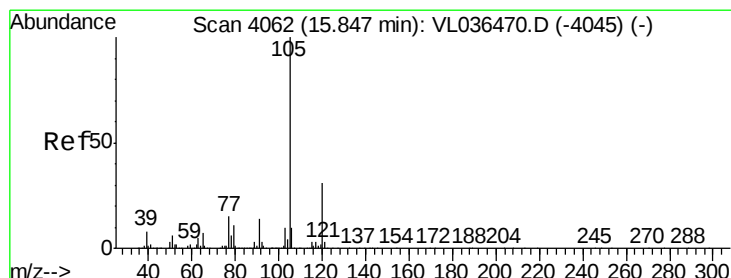
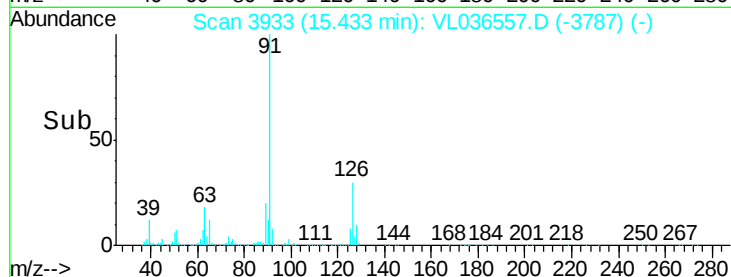
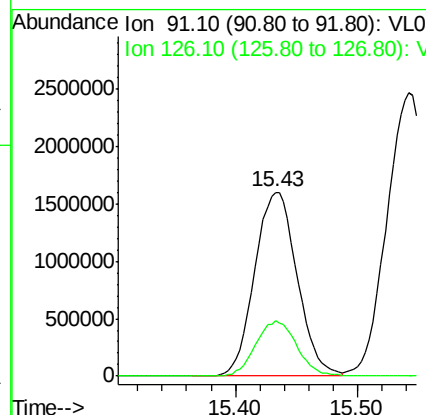
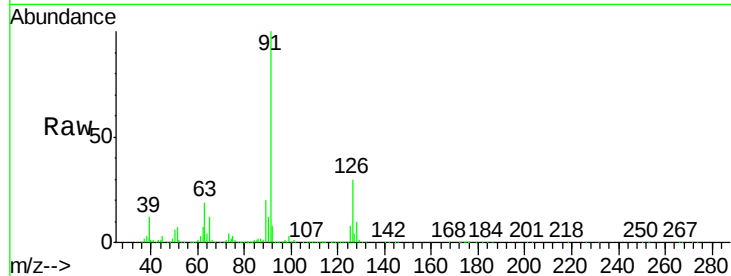
#71
 2-Chlorotoluene
 Concen: 9.165 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3851583
 Ion Ratio Lower Upper
 91 100
 126 29.6 12.1 48.5

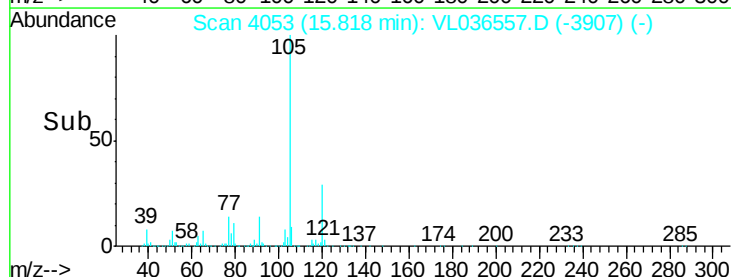
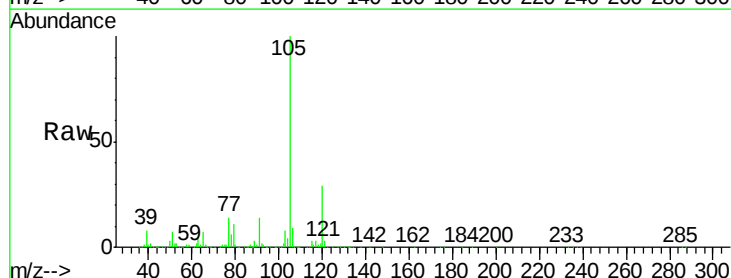
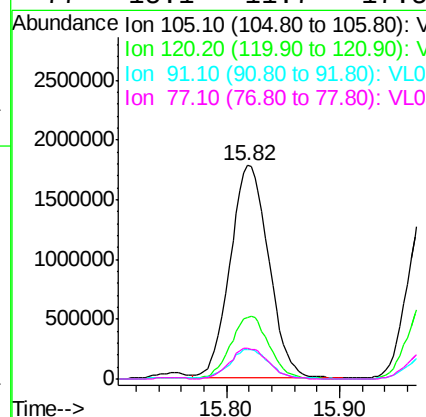
Manual Integrations
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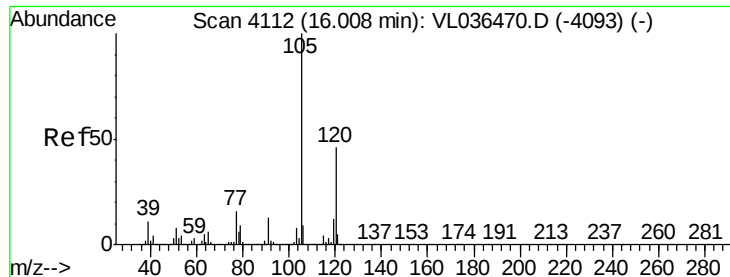
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 3/30/2021 7:44:50 PM



#72
 4-Ethyltoluene
 Concen: 9.259 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion: 105 Resp: 4225144
 Ion Ratio Lower Upper
 105 100
 120 30.5 24.0 36.0
 91 13.8 11.0 16.4
 77 15.1 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.776 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3737836

Ion Ratio Lower Upper

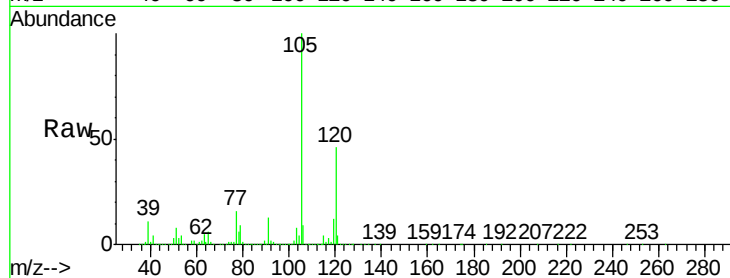
105 100

120 45.9 36.6 54.8

Manual Integrations
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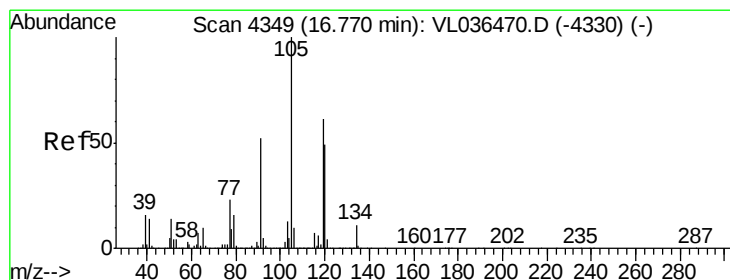
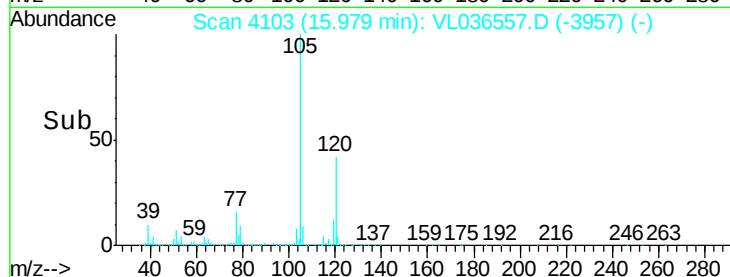
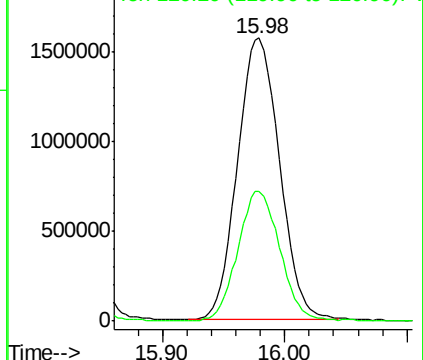
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.597 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Tgt Ion:105 Resp: 3918348

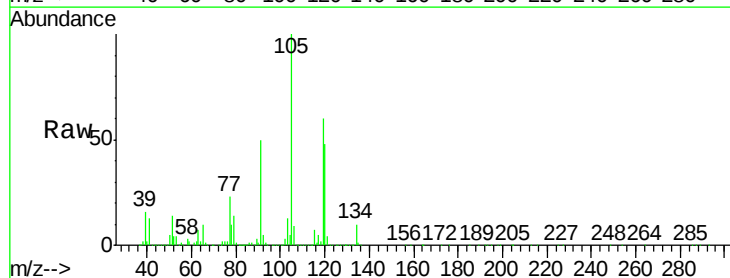
Ion Ratio Lower Upper

105 100

120 47.9 39.2 58.8

91 50.2 42.6 64.0

77 23.2 18.6 28.0

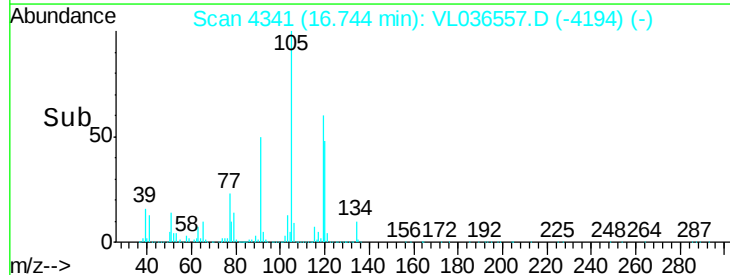
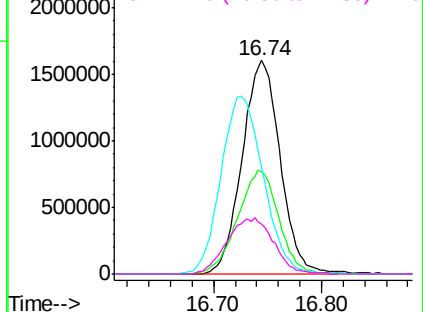


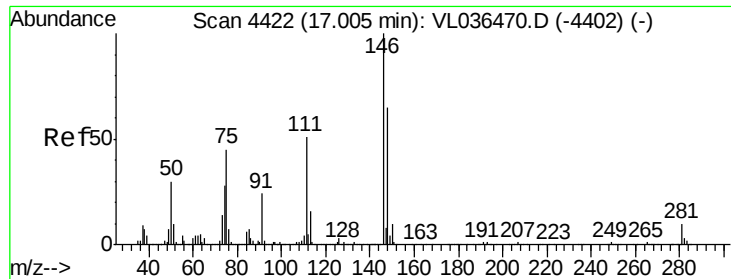
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.749 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2244523

Ion Ratio Lower Upper

146 100

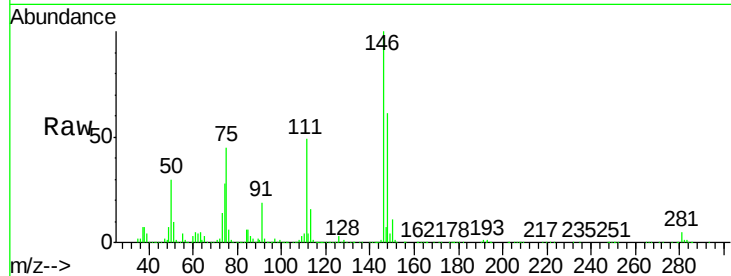
111 49.4 24.5 73.5

148 64.1 32.3 96.9

Manual Integrations
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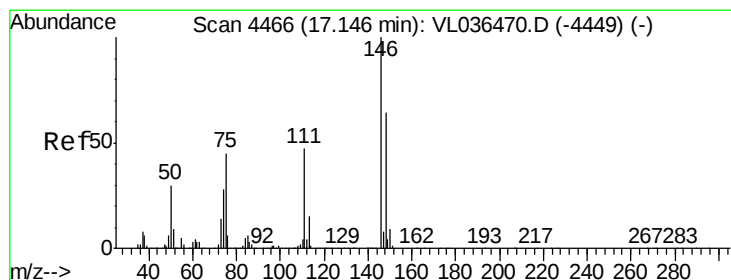
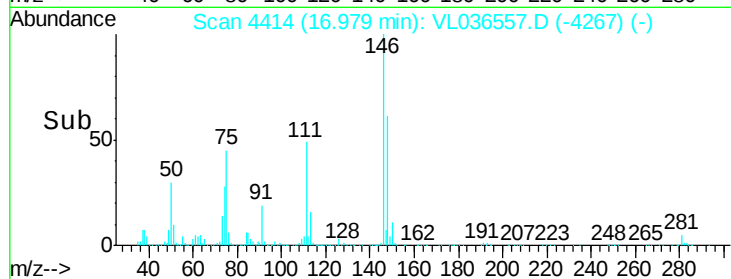
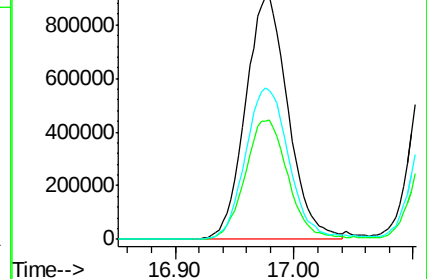
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.525 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

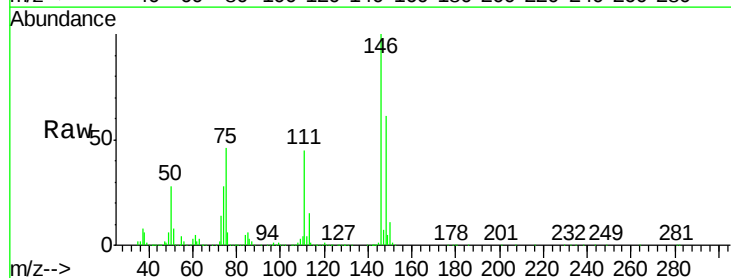
Tgt Ion:146 Resp: 2171655

Ion Ratio Lower Upper

146 100

111 49.3 24.3 72.8

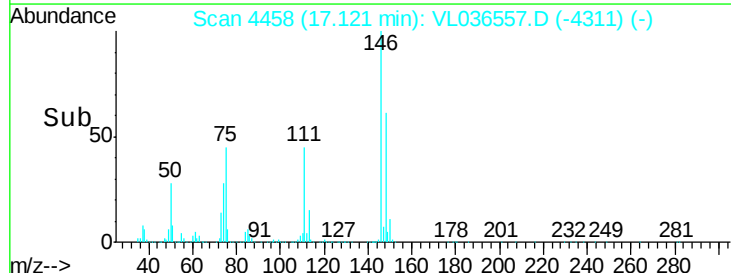
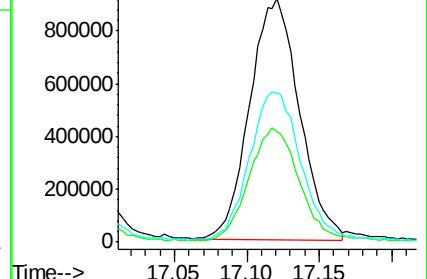
148 66.8 33.0 98.9

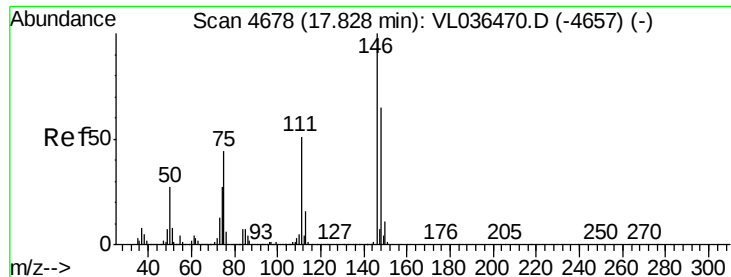


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





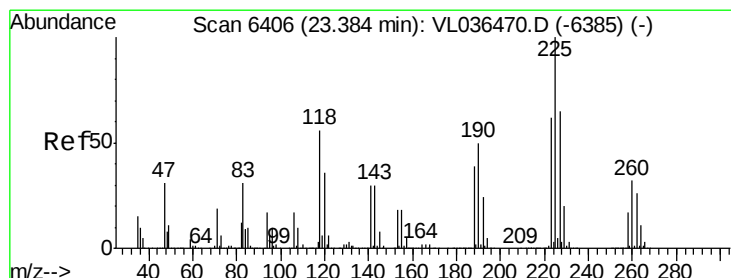
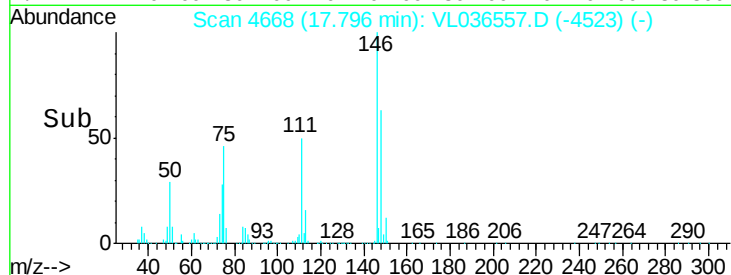
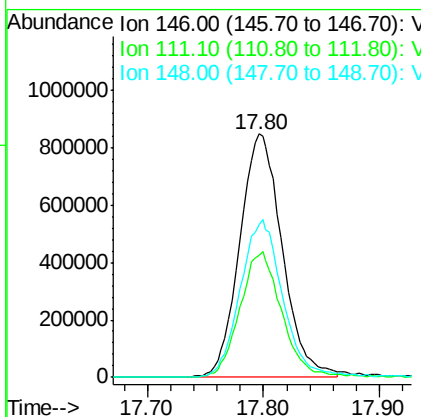
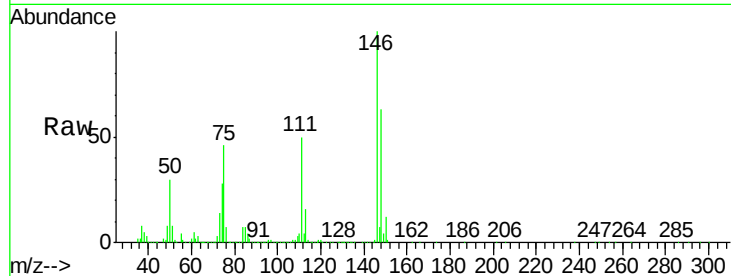
#77
 1,2-Dichlorobenzene
 Concen: 8.888 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2143320
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.5 76.5
 148 65.0 32.9 98.6

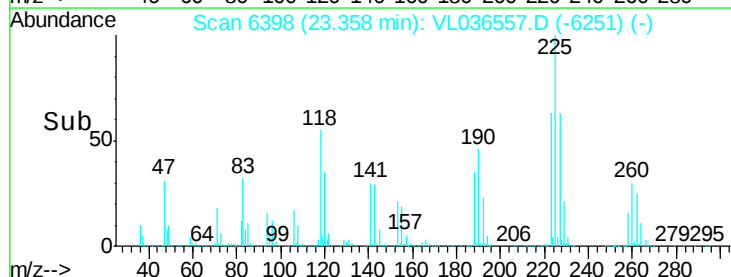
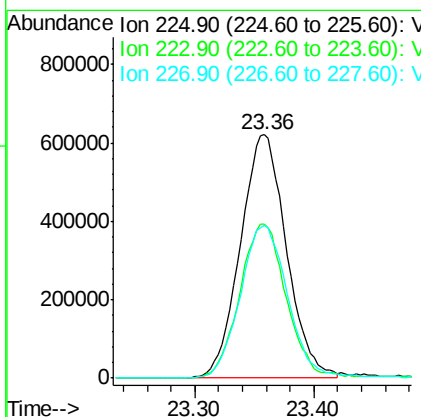
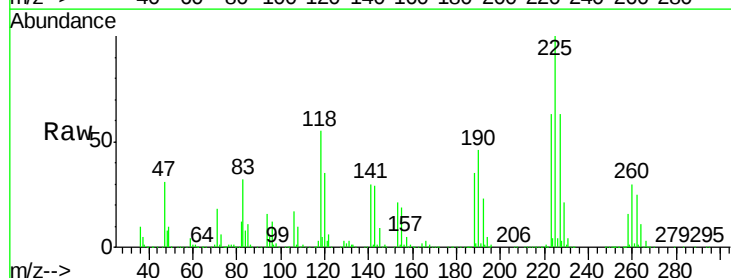
Manual Integrations
 APPROVED

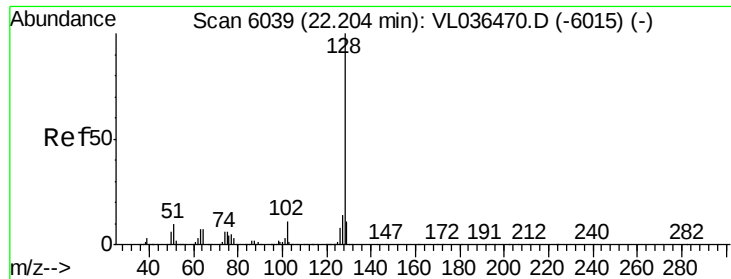
MMDadoda
 3/30/2021 7:44:50 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.672 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Tgt Ion:225 Resp: 1657086
 Ion Ratio Lower Upper
 225 100
 223 65.0 50.6 75.8
 227 65.5 52.2 78.2





#79

Naphthalene

Concen: 9.317 ppbv

RT: 22.18 min Scan# 6039

Delta R.T. -0.03 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 2477900

Ion Ratio Lower Upper

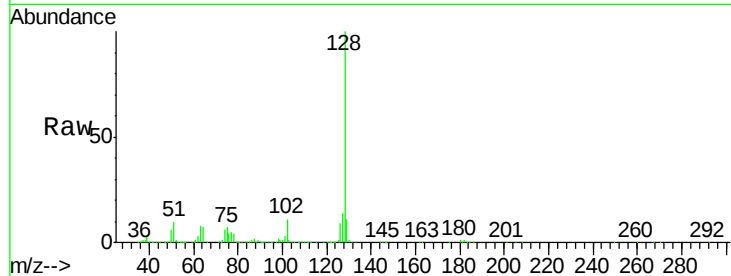
128 100

127 14.3 10.9 16.3

129 10.9 9.0 13.4

Manual Integrations
APPROVED

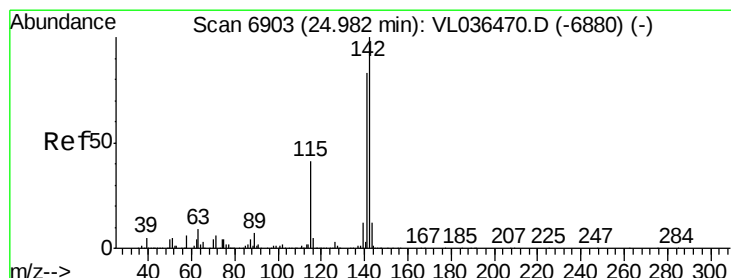
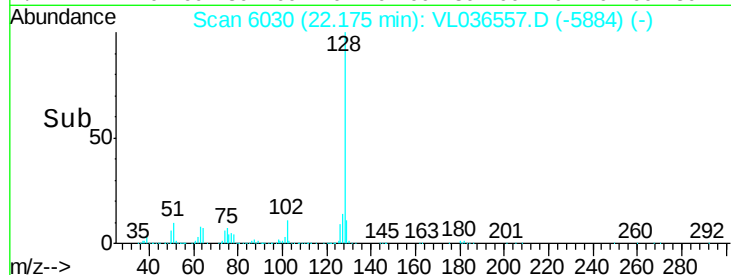
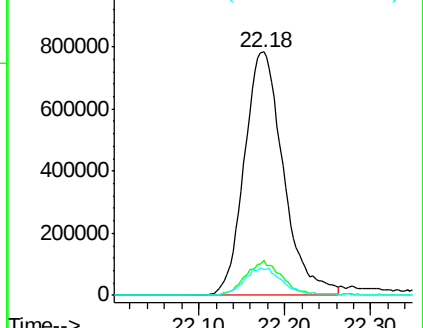
MMDadoda
3/30/2021 7:44:50 PM



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



#80

Naphthalene, 2-methyl-

Concen: 6.261 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. -0.02 min

Lab File: VL036557.D

Acq: 30 Mar 2021 3:02

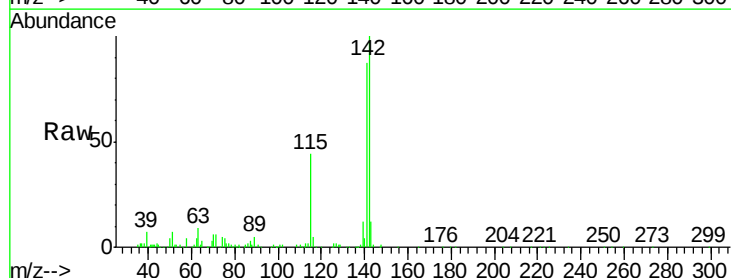
Tgt Ion:142 Resp: 328359

Ion Ratio Lower Upper

142 100

141 85.4 67.8 101.8

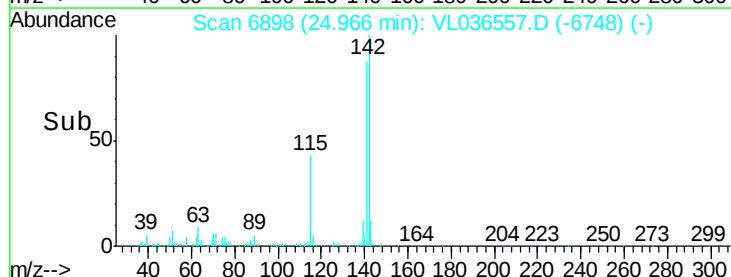
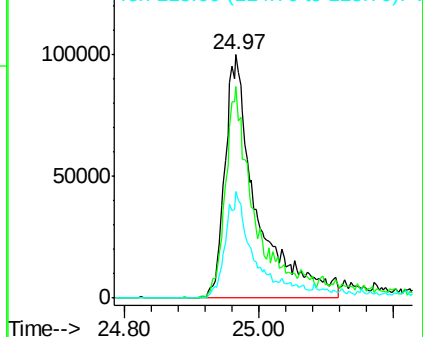
115 43.2 34.0 51.0

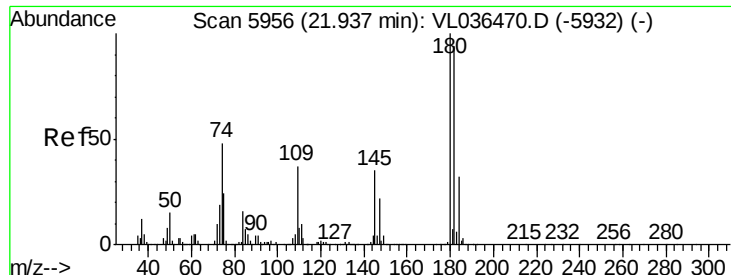


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.335 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. -0.03 min
 Lab File: VL036557.D
 Acq: 30 Mar 2021 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.4	80.8	121.2
184	31.4	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
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