

Data File : VL037044.D
Acq On : 24 May 2021 10:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

MMDadoda
5/25/2021 6:00:21 PM

Quant Time: May 25 02:13:58 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1380898	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	4077211	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3872608m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2904860	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	2382097	10.169	ppbv	100
3) Chlorodifluoromethane	2.97	51	2604827	10.296	ppbv	99
4) Chloromethane	3.12	50	896220	10.411	ppbv	94
5) Vinyl Chloride	3.24	62	979940	10.414	ppbv	99
6) Bromomethane	3.46	94	534238	10.774	ppbv	100
7) Chloroethane	3.54	64	350264	11.464	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2440751	11.097	ppbv	99
9) Propene	2.99	41	902010	9.957	ppbv	99
10) Heptane	8.10	43	2246826	9.952	ppbv	99
11) Trichlorofluoromethane	3.93	101	2452542	11.311	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1704756	11.038	ppbv	98
13) Ethanol	3.60	45	109455m	9.056	ppbv	
14) Bromoethene	3.72	108	757931	11.141	ppbv	99
15) Acetone	3.83	43	1265842	8.950	ppbv	97
16) 1,3-Butadiene	3.31	39	938096	10.675	ppbv	100
17) tert-Butyl alcohol	4.27	59	1339989	10.343	ppbv	98
18) 1,1-Dichloroethene	4.27	96	787294	11.023	ppbv	96
19) Isopropyl Alcohol	3.95	45	737939	9.706	ppbv #	33
20) Methylene Chloride	4.32	84	678875	8.954	ppbv	97
21) Allyl Chloride	4.39	41	1128405	10.575	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	780591	11.404	ppbv	98
23) Vinyl Acetate	5.05	43	2398258	10.683	ppbv #	98
24) 1,1-Dichloroethane	4.99	63	1769825	10.952	ppbv	99
25) Ethyl Acetate	5.66	43	3437432	10.114	ppbv	99
26) Hexane	5.66	57	1702886	9.808	ppbv	99
27) Carbon Disulfide	4.53	76	1839081	10.510	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2117927	10.176	ppbv	100
29) Chloroform	5.73	83	2618372	10.674	ppbv	97
30) Cyclohexane	7.11	84	1478459	10.020	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1643316	10.556	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2708552	10.283	ppbv	99
34) 2-Butanone	5.22	43	1631196	10.987	ppbv	99
35) Carbon Tetrachloride	7.00	117	2833148	10.458	ppbv	99
36) Benzene	6.87	78	3519480	10.021	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1948755	11.192	ppbv	99
38) Trichloroethene	7.81	130	1452006	9.665	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1335118	9.869	ppbv	97
40) 1,4-Dioxane	7.81	88	312307	9.777	ppbv #	100
41) Tetrahydrofuran	6.03	42	813837	9.625	ppbv	96
42) Bromodichloromethane	7.77	83	2831894	10.751	ppbv	100
43) Methyl Methacrylate	8.00	69	1282751	10.597	ppbv	99

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Manual Integrations
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MMDadoda
5/25/2021 6:00:21 PM

Quant Time: May 25 02:13:58 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5765552	9.569	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1029450	11.132	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1327139	10.670	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1468471	10.371	ppbv	97
48) Dibromochloromethane	10.28	129	2581218	11.259	ppbv	100
49) Bromoform	13.02	173	2167350	11.447	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2532778	10.339	ppbv	100
51) 2-Hexanone	10.11	43	1355121	10.463	ppbv #	97
52) Tetrachloroethene	11.19	164	1427373	10.221	ppbv	95
53) Toluene	9.78	91	4186899	10.019	ppbv	99
54) 1,2-Dibromoethane	10.58	107	2169814	10.779	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1743040	10.697	ppbv #	56
57) Chlorobenzene	12.12	112	3089644	10.289	ppbv	99
58) Ethyl Benzene	12.69	91	5571269	10.193	ppbv	99
59) m/p-Xylene	12.97	91	9238807m	20.449	ppbv	
60) o-Xylene	13.67	91	4398149	10.207	ppbv	99
61) Styrene	13.50	104	2586724	10.656	ppbv	98
62) Isopropylbenzene	14.64	105	6205770	10.021	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3021318	9.388	ppbv	99
64) n-propylbenzene	15.54	120	1702530	10.656	ppbv	100
65) tert-Butylbenzene	16.72	119	5669586	10.146	ppbv	99
66) Benzyl Chloride	16.97	91	295262	9.523	ppbv	98
67) sec-Butylbenzene	17.27	105	7675377	10.069	ppbv	100
69) p-Isopropyltoluene	17.63	119	6761398	10.316	ppbv	99
70) n-Butylbenzene	18.53	91	6588218	10.581	ppbv	100
71) 2-Chlorotoluene	15.43	91	4606236	10.298	ppbv	99
72) 4-Ethyltoluene	15.82	105	5399088	10.557	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4995161	10.401	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	5193607	10.459	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	3174276	10.468	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	3146912	10.265	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3183285	10.477	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	2271655	9.298	ppbv	99
79) Naphthalene	22.17	128	4557872	11.698	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	1005067	11.863	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2632902	11.085	ppbv	99

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

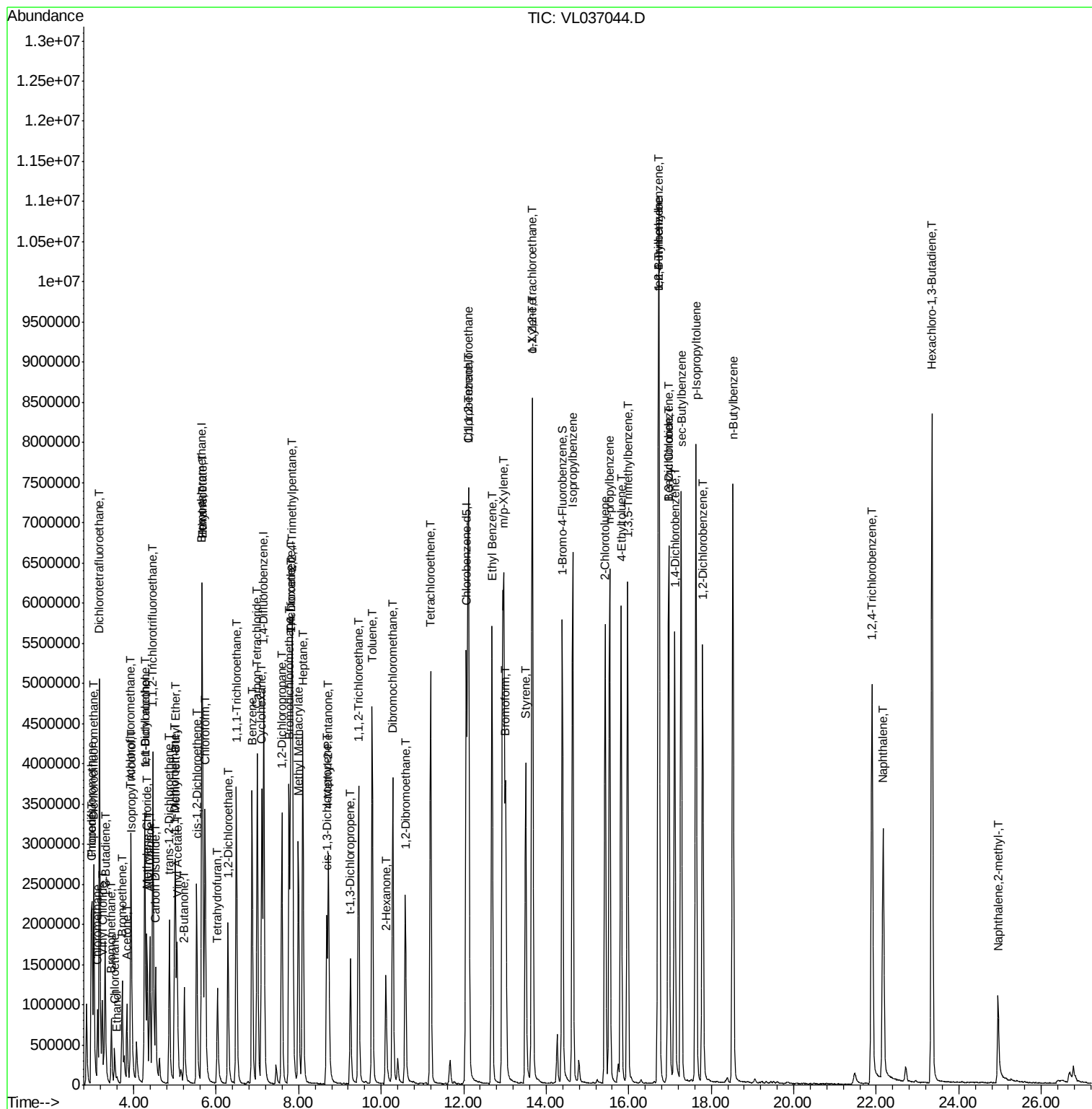
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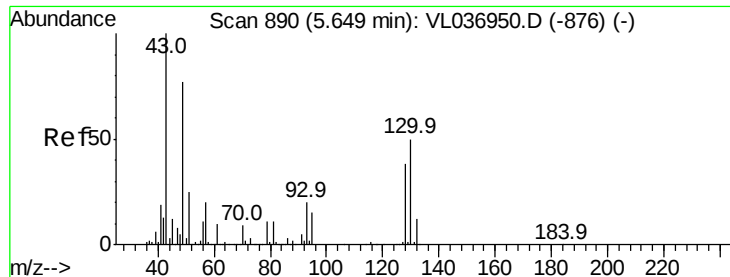
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L
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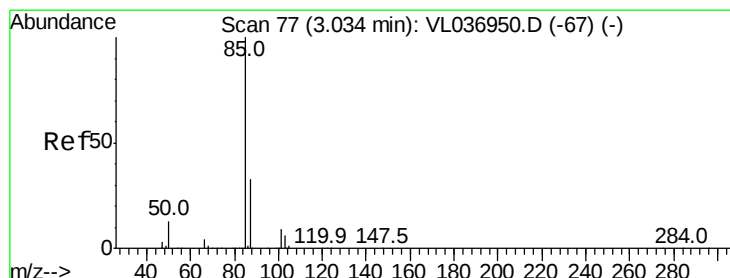
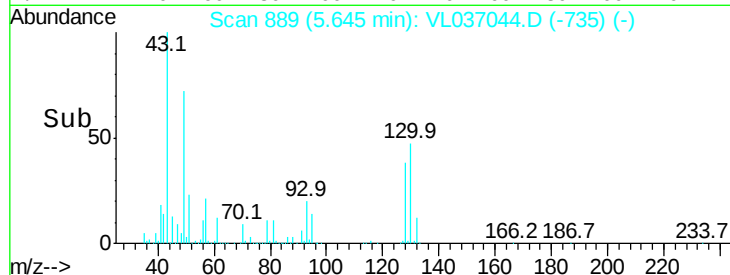
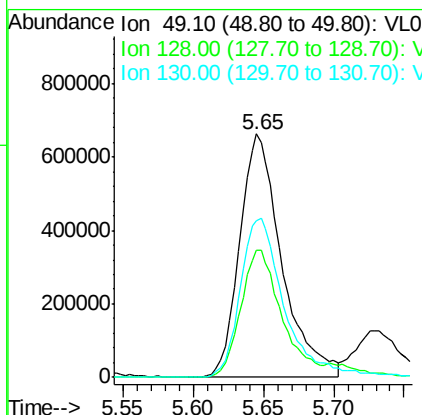
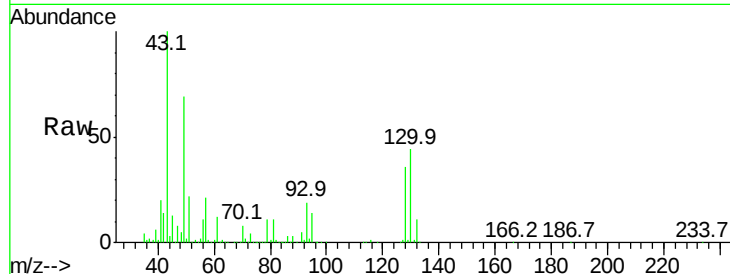
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 49 Resp: 1380898
 Ion Ratio Lower Upper
 49 100
 128 57.1 26.9 80.7
 130 69.3 33.8 101.4

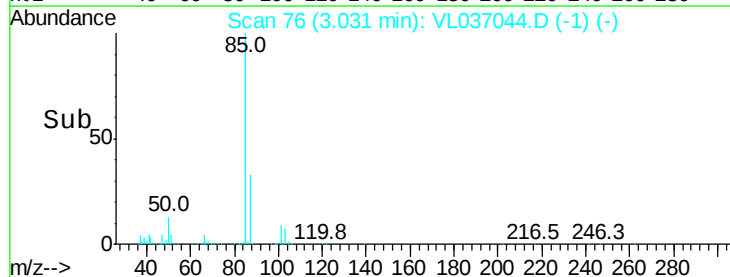
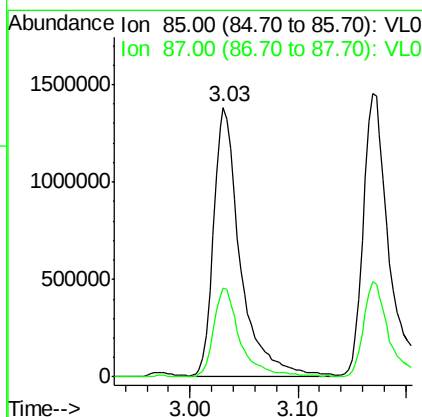
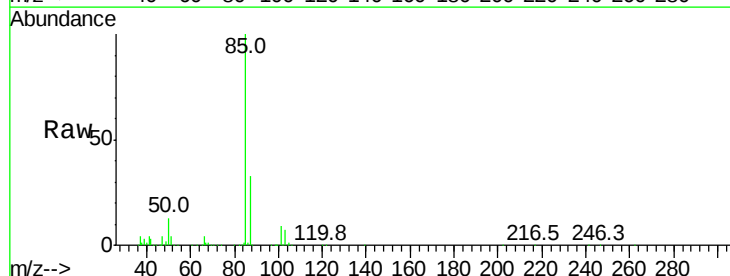
Manual Integrations
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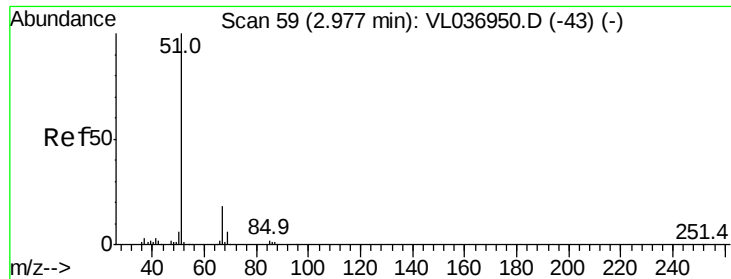
MMDadoda
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#2
 Dichlorodifluoromethane
 Concen: 10.169 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion: 85 Resp: 2382097
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.6 39.8





#3

Chlorodifluoromethane

Concen: 10.296 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 51 Resp: 2604827

Ion Ratio Lower Upper

51 100

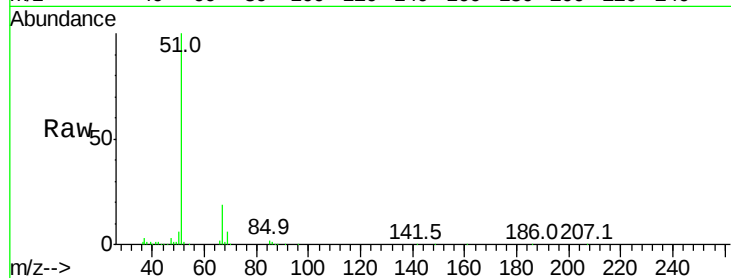
67 18.8 14.6 21.8

Manual Integrations

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5/25/2021 6:00:21 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

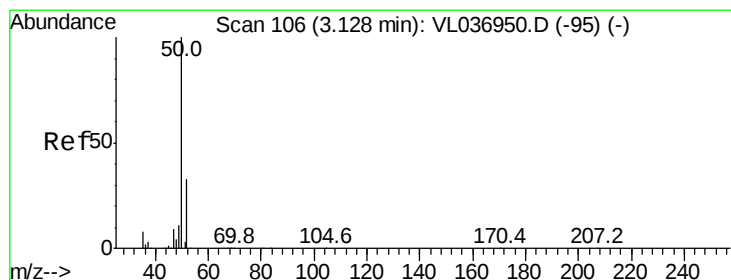
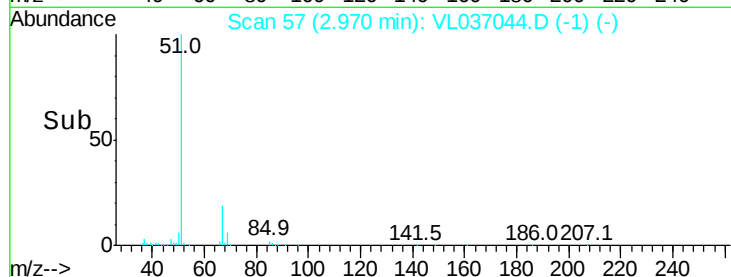
1500000

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 10.411 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037044.D

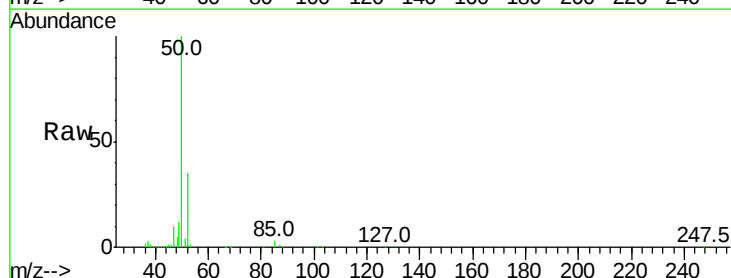
Acq: 24 May 2021 10:13

Tgt Ion: 50 Resp: 896220

Ion Ratio Lower Upper

50 100

52 35.8 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

600000

500000

400000

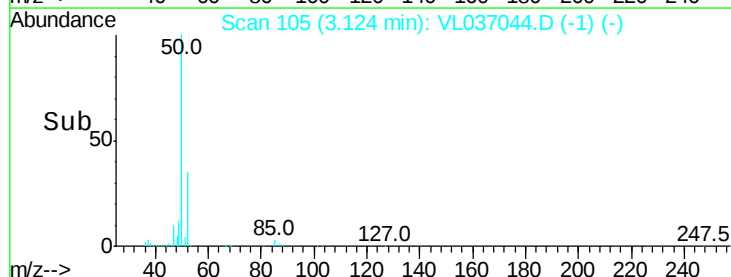
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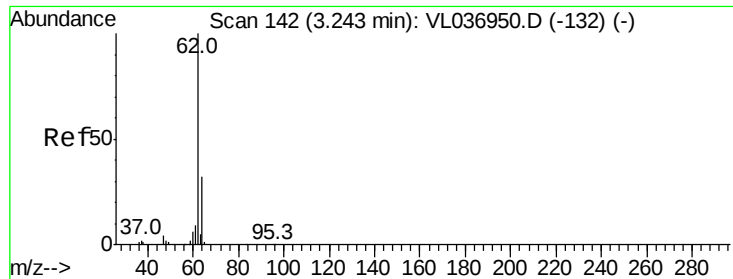
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.414 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

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ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 979940

Ion Ratio Lower Upper

62 100

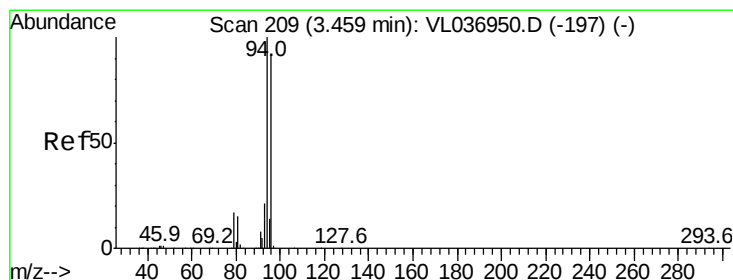
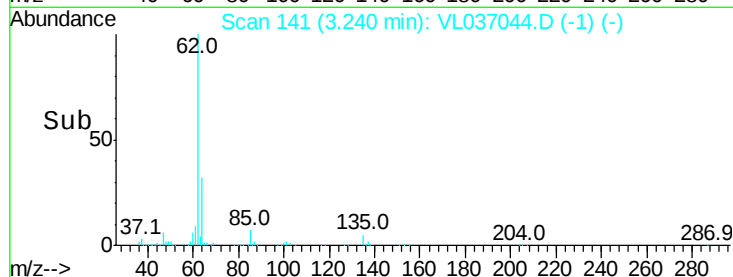
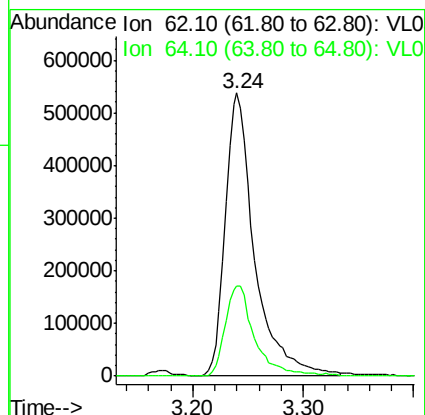
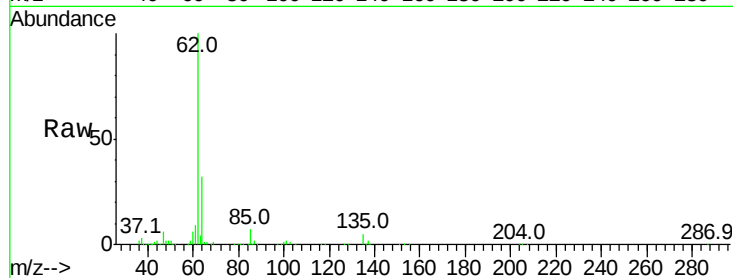
64 32.1 25.9 38.9

Manual Integrations

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5/25/2021 6:00:21 PM



#6

Bromomethane

Concen: 10.774 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037044.D

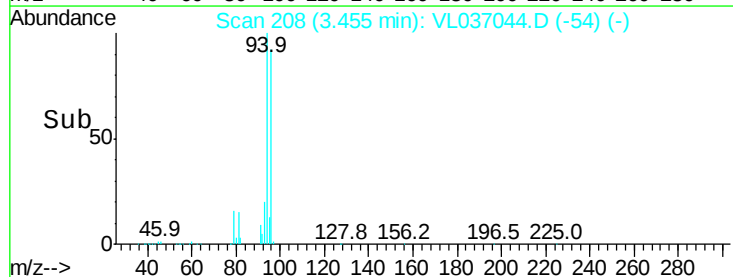
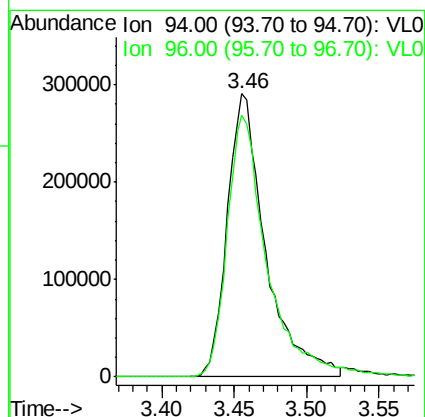
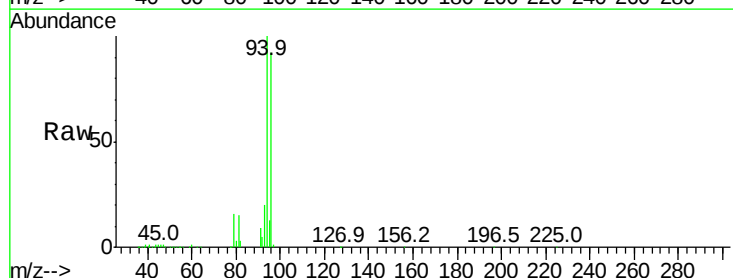
Acq: 24 May 2021 10:13

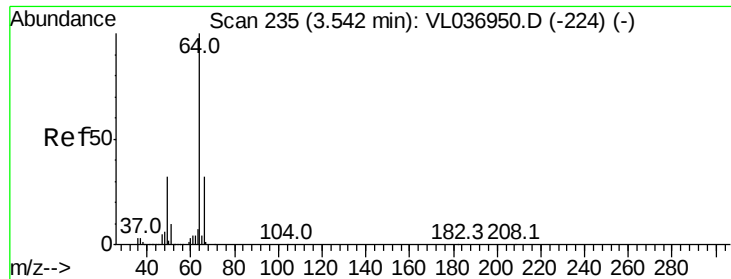
Tgt Ion: 94 Resp: 534238

Ion Ratio Lower Upper

94 100

96 92.2 74.0 111.0





#7

Chloroethane

Concen: 11.464 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

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Tgt Ion: 64 Resp: 350264

Ion Ratio Lower Upper

64 100

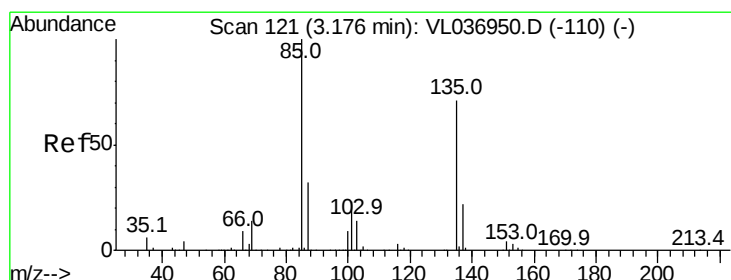
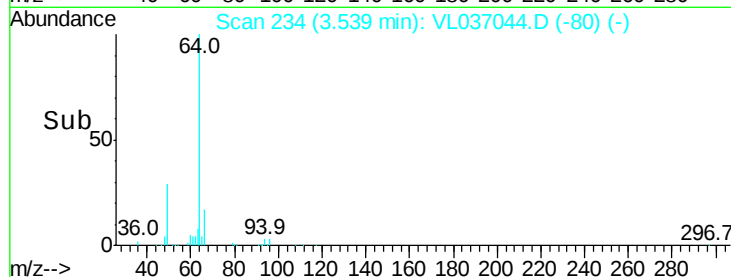
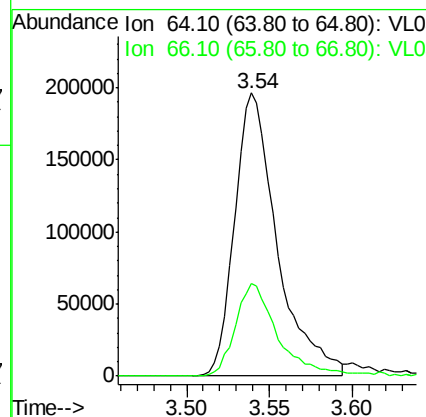
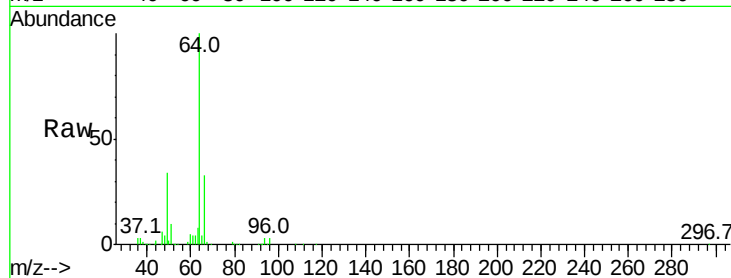
66 32.6 25.4 38.2

Manual Integrations

APPROVED

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5/25/2021 6:00:21 PM



#8

Dichlorotetrafluoroethane

Concen: 11.097 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037044.D

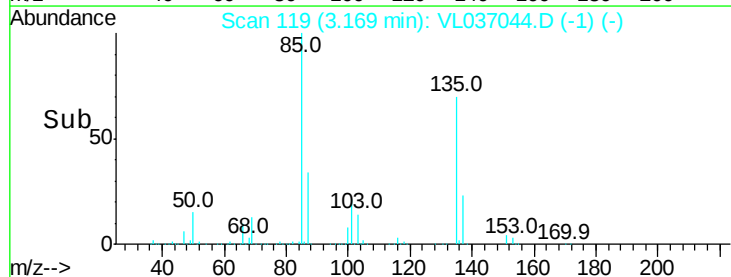
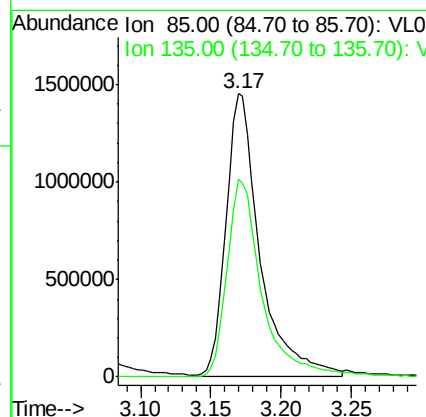
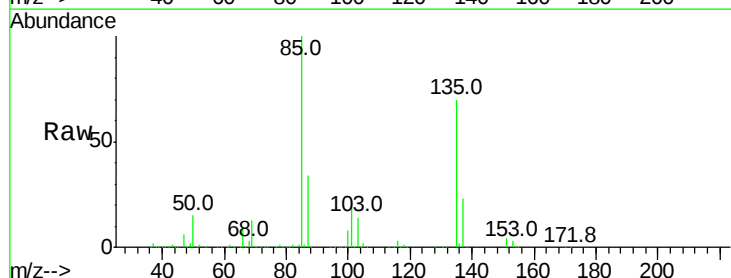
Acq: 24 May 2021 10:13

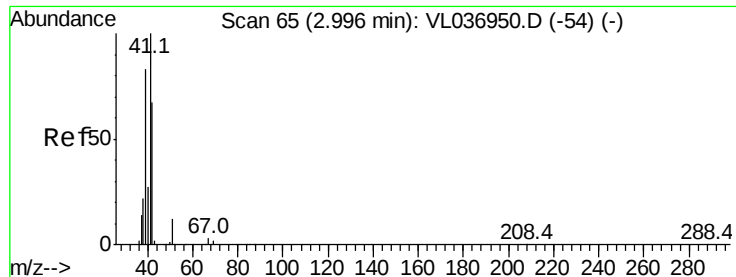
Tgt Ion: 85 Resp: 2440751

Ion Ratio Lower Upper

85 100

135 72.7 57.7 86.5





#9

Propene

Concen: 9.957 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

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Tgt Ion: 41 Resp: 902010

Ion Ratio Lower Upper

41 100

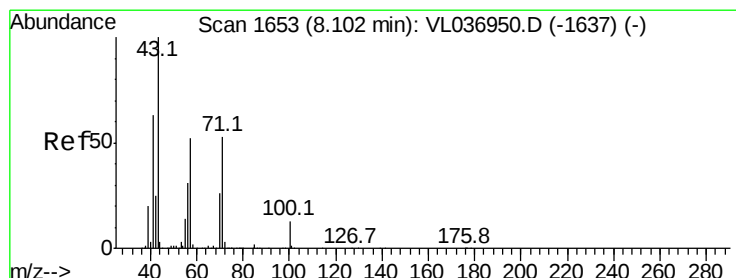
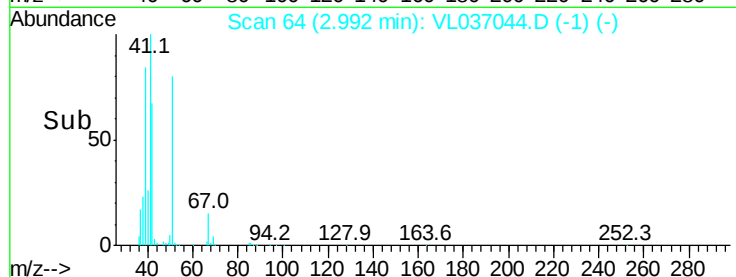
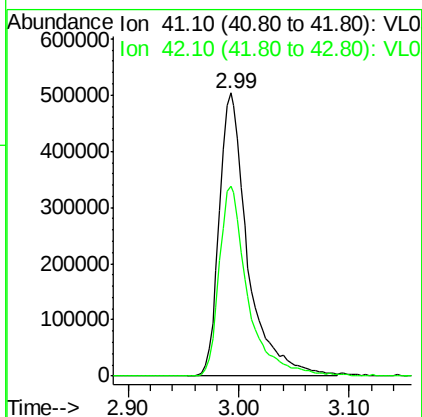
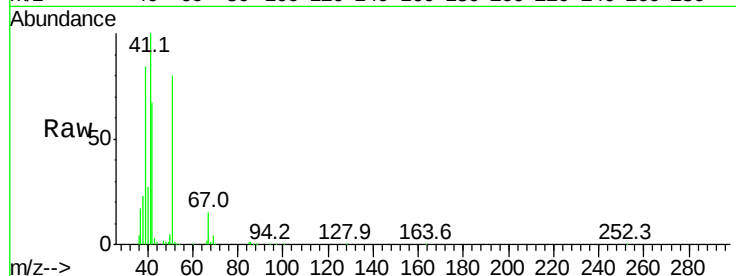
42 68.0 53.9 80.9

Manual Integrations

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5/25/2021 6:00:21 PM



#10

Heptane

Concen: 9.952 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL037044.D

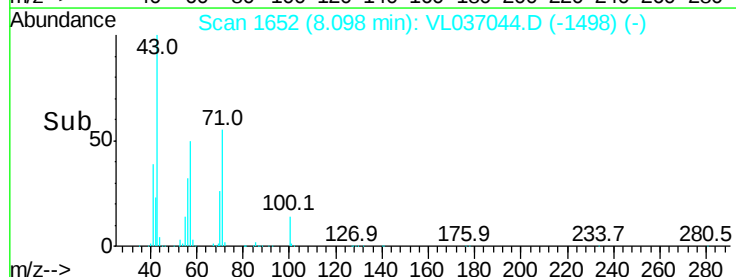
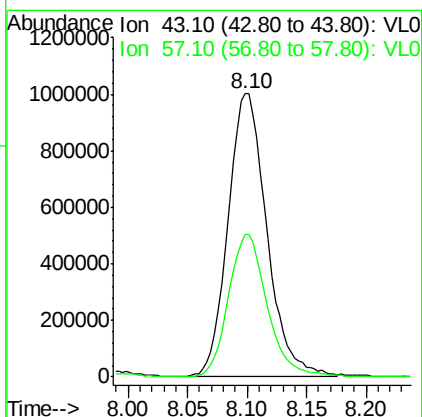
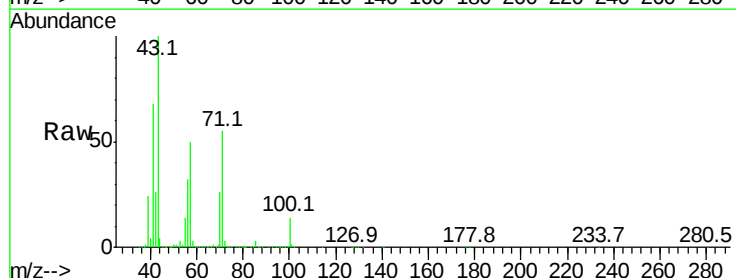
Acq: 24 May 2021 10:13

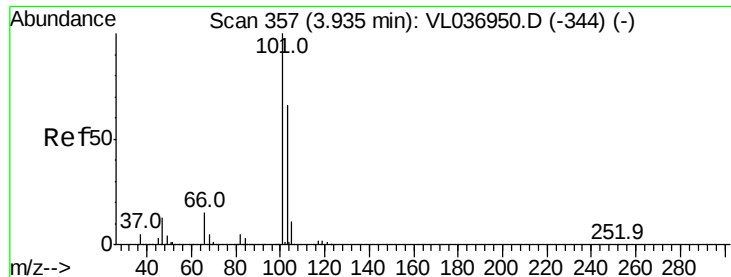
Tgt Ion: 43 Resp: 2246826

Ion Ratio Lower Upper

43 100

57 50.9 41.0 61.6





#11

Trichlorofluoromethane

Concen: 11.311 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

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Tgt Ion:101 Resp: 2452542

Ion Ratio Lower Upper

101 100

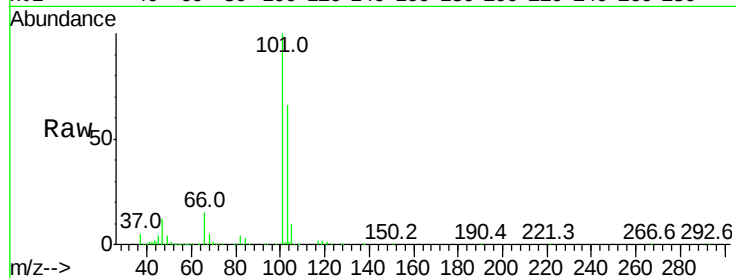
103 66.2 52.6 79.0

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1500000

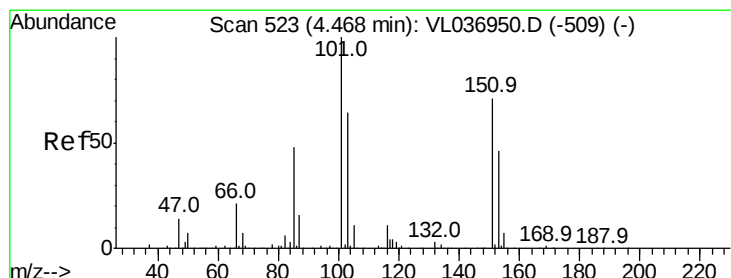
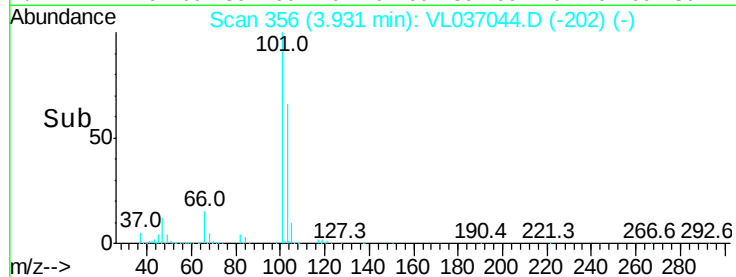
3.93

1000000

500000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.038 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL037044.D

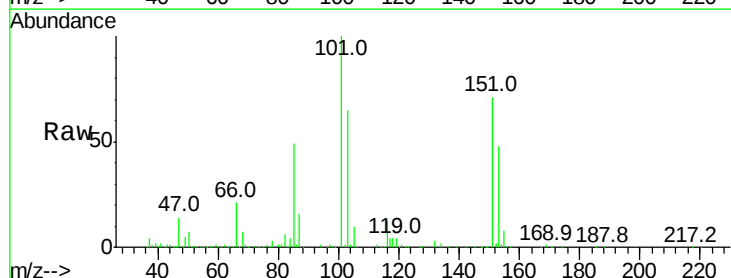
Acq: 24 May 2021 10:13

Tgt Ion:101 Resp: 1704756

Ion Ratio Lower Upper

101 100

151 74.1 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

800000

4.47

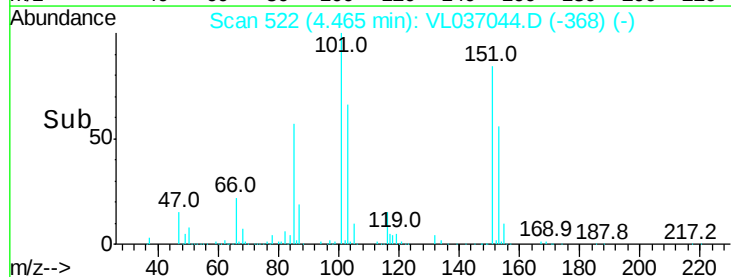
600000

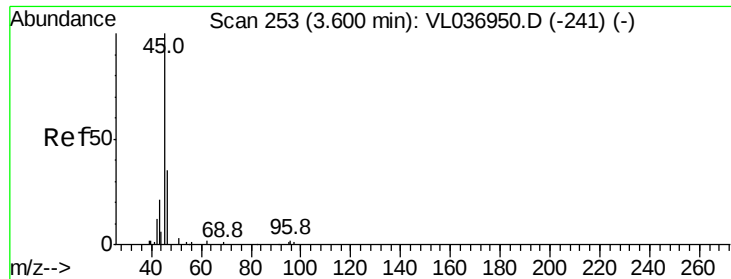
400000

200000

0

Time-->





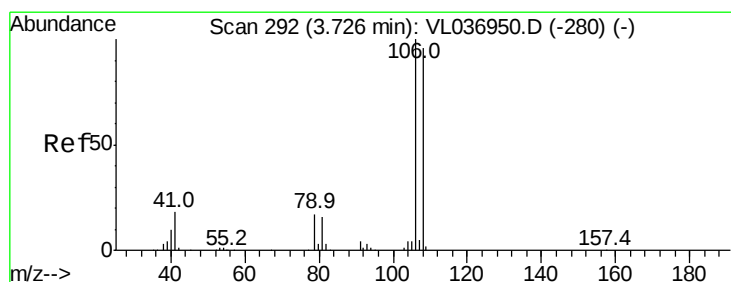
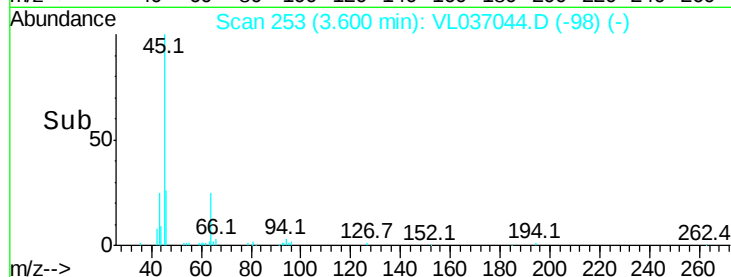
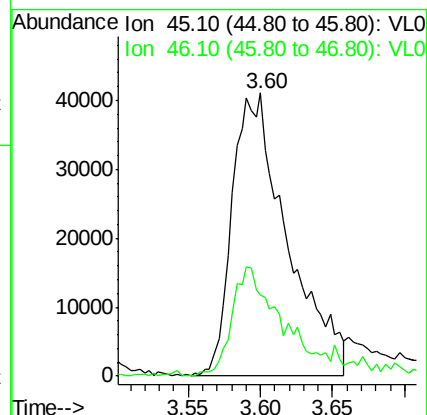
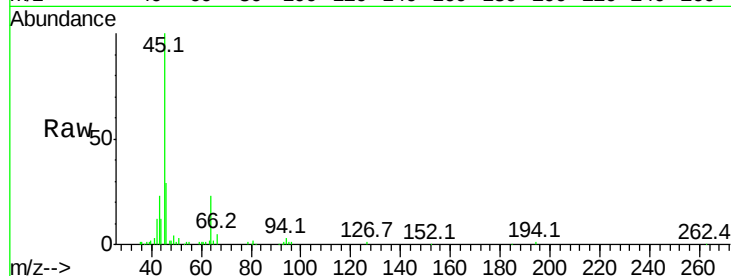
#13
Ethanol
Concen: 9.056 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 109455
Ion Ratio Lower Upper
45 100
46 38.5 16.3 65.3

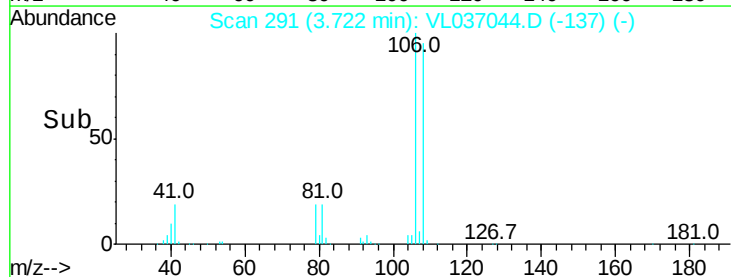
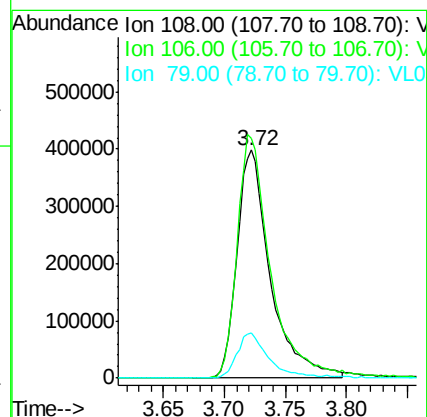
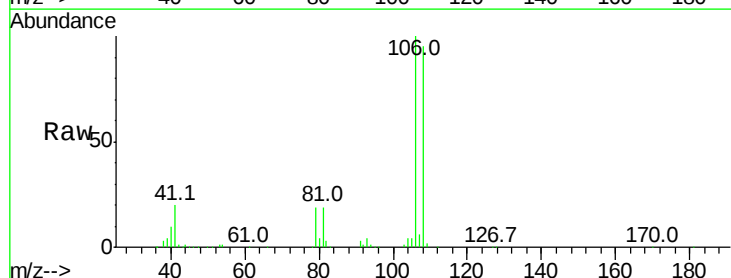
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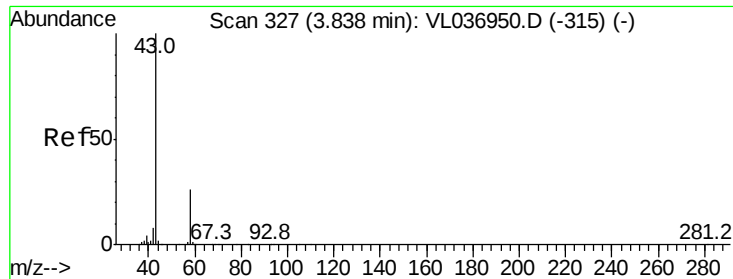
MMDadoda
5/25/2021 6:00:21 PM



#14
Bromoethene
Concen: 11.141 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 108 Resp: 757931
Ion Ratio Lower Upper
108 100
106 108.7 86.5 129.7
79 19.2 15.0 22.4





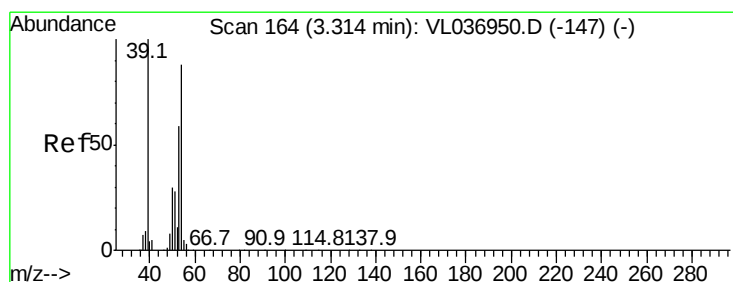
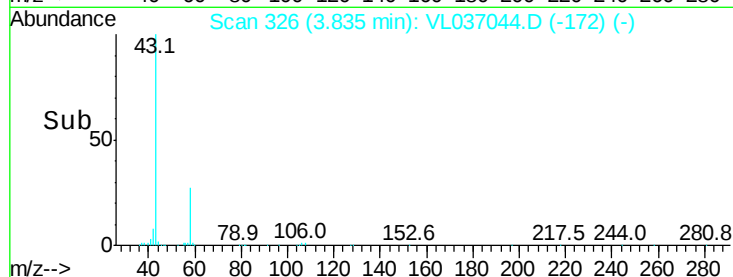
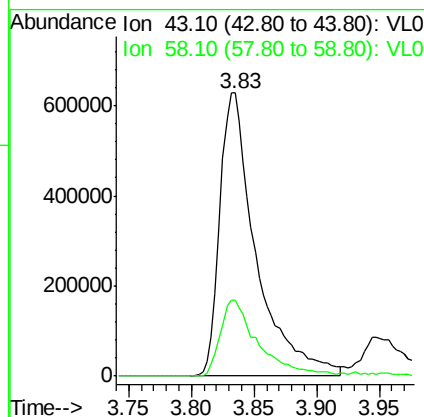
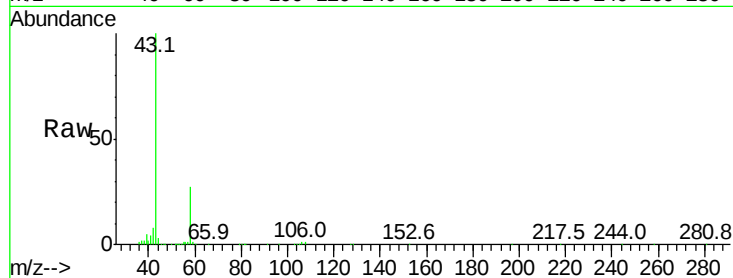
#15
Acetone
Concen: 8.950 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1265842
Ion Ratio Lower Upper
43 100
58 28.3 24.0 36.0

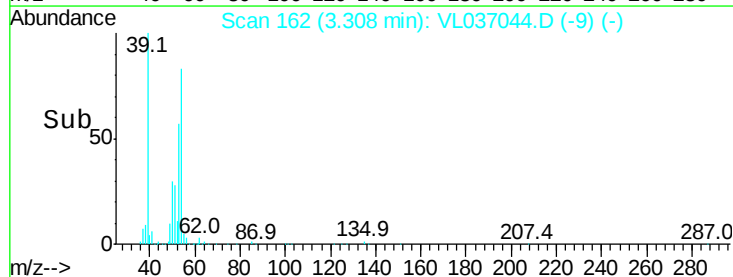
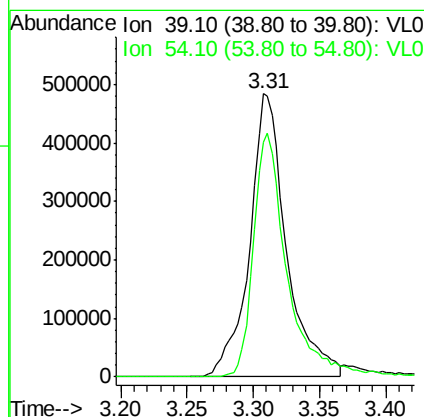
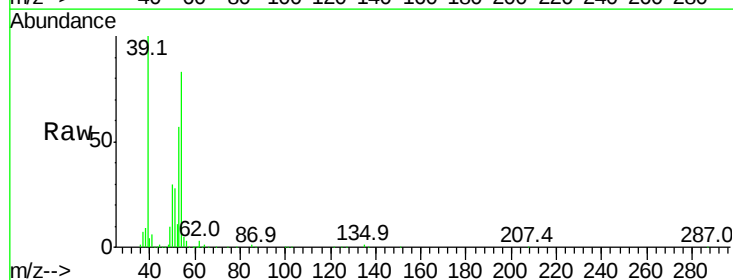
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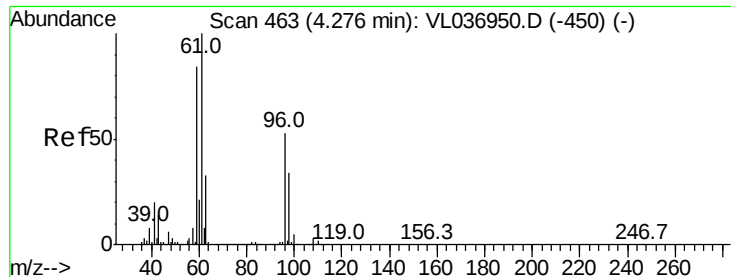
MMDadoda
5/25/2021 6:00:21 PM



#16
1,3-Butadiene
Concen: 10.675 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 39 Resp: 938096
Ion Ratio Lower Upper
39 100
54 79.4 63.2 94.8





#17

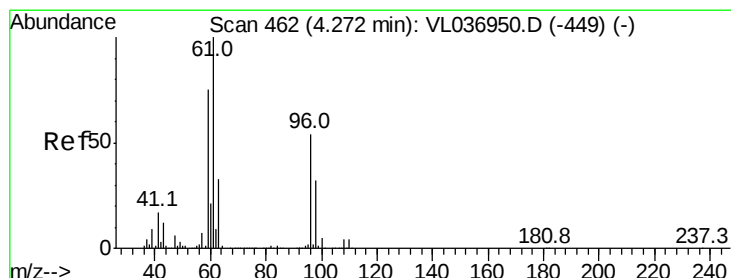
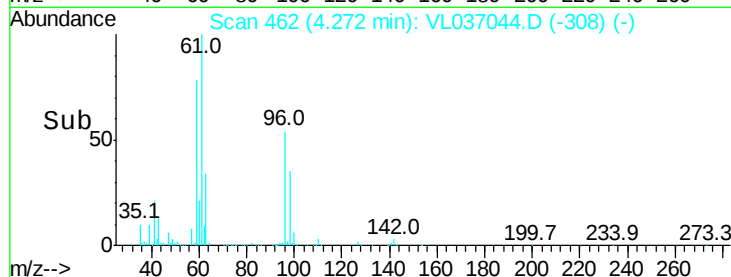
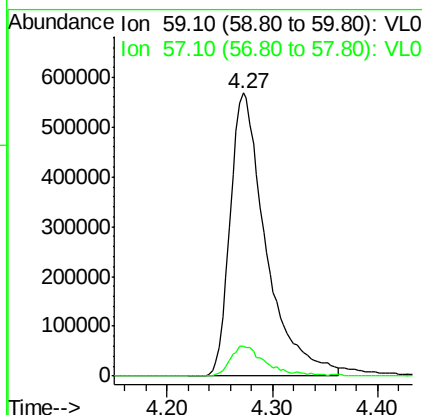
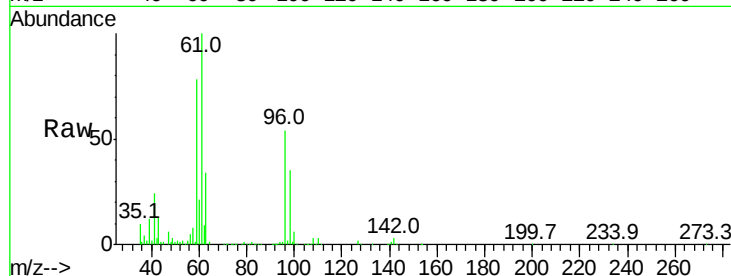
tert-Butyl alcohol
Concen: 10.343 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1339989
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

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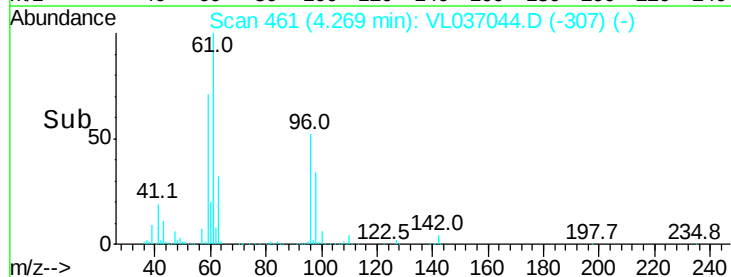
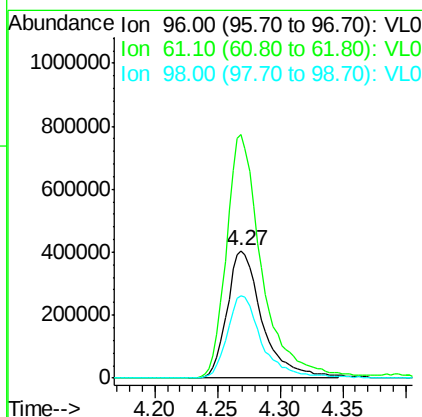
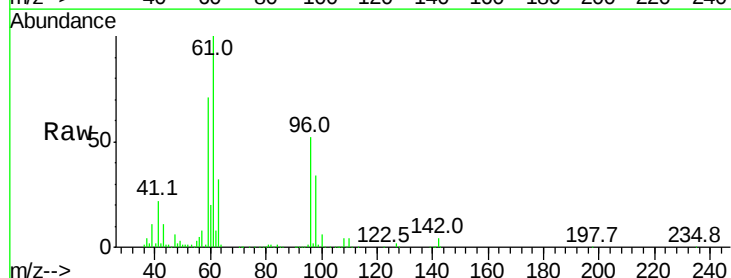
MMDadoda
5/25/2021 6:00:21 PM

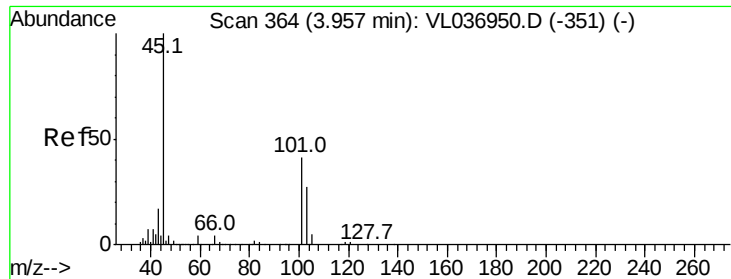


#18

1,1-Dichloroethene
Concen: 11.023 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 96 Resp: 787294
Ion Ratio Lower Upper
96 100
61 190.7 148.2 222.4
98 64.5 47.8 71.6





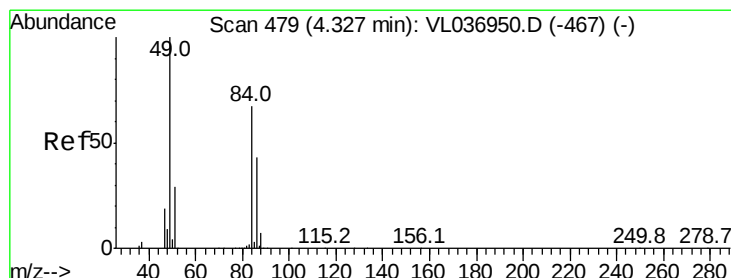
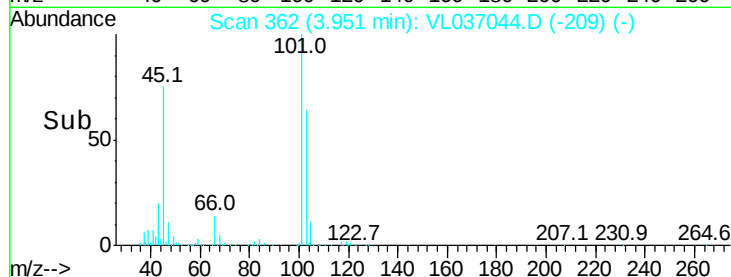
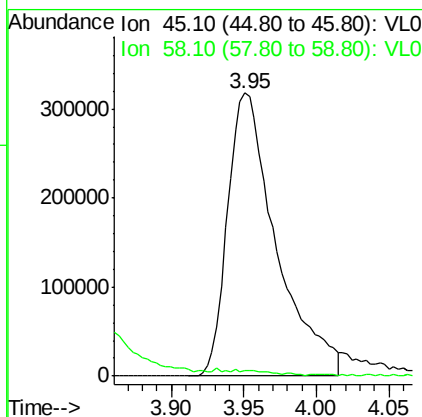
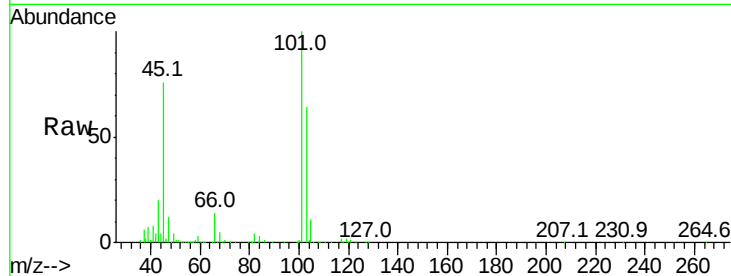
#19
Isopropyl Alcohol
Concen: 9.706 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 737939
Ion Ratio Lower Upper
45 100
58 2.0 37.2 55.8#

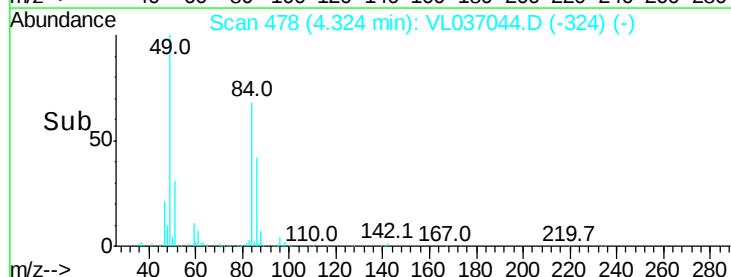
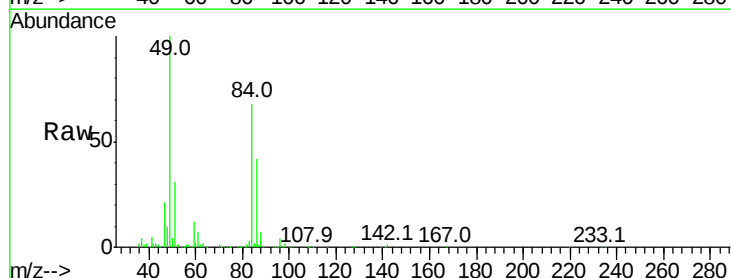
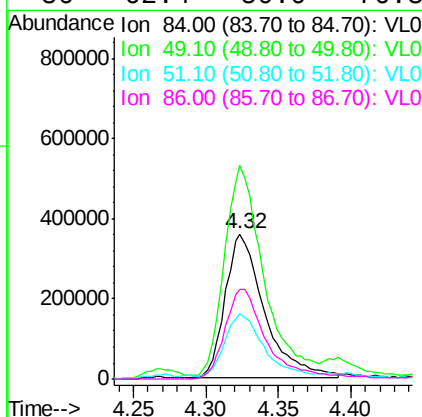
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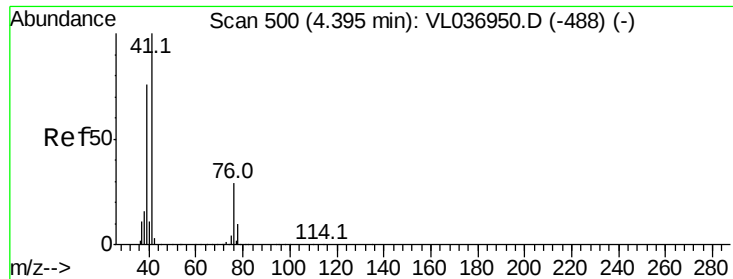
MMDadoda
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#20
Methylene Chloride
Concen: 8.954 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 84 Resp: 678875
Ion Ratio Lower Upper
84 100
49 145.5 119.8 179.6
51 43.3 35.1 52.7
86 62.4 50.9 76.3





#21

Allyl Chloride

Concen: 10.575 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

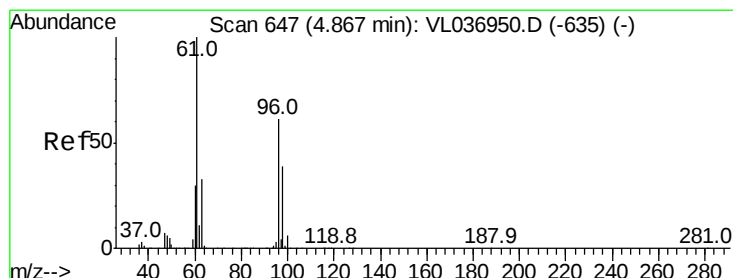
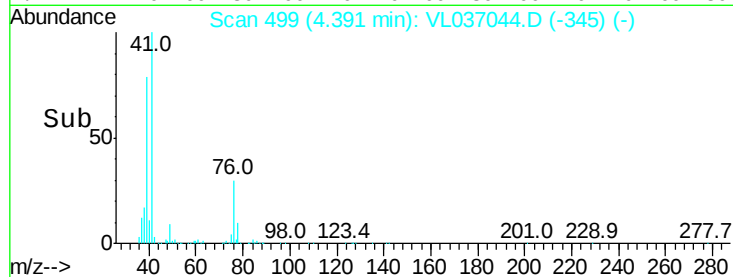
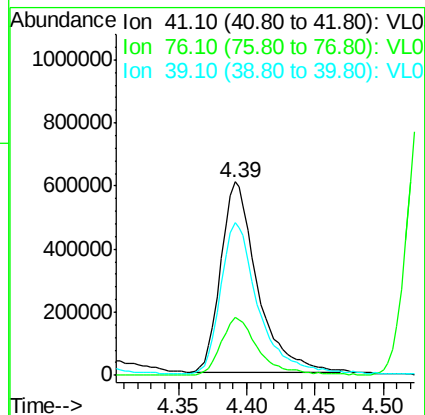
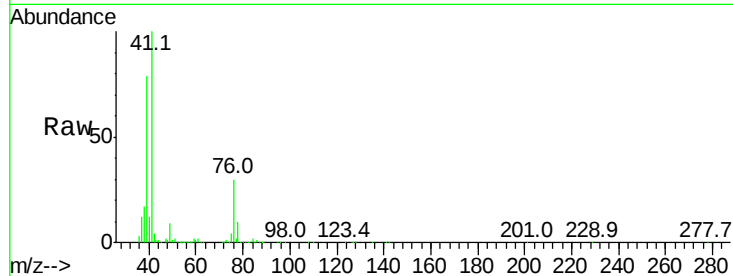
ClientSampleId :

VSTDCCC010

Tgt Ion:	41	Resp:	1128405
Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.9	37.3
39	81.9	63.7	95.5

Manual Integrations
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5/25/2021 6:00:21 PM



#22

trans-1,2-Dichloroethene

Concen: 11.404 ppbv

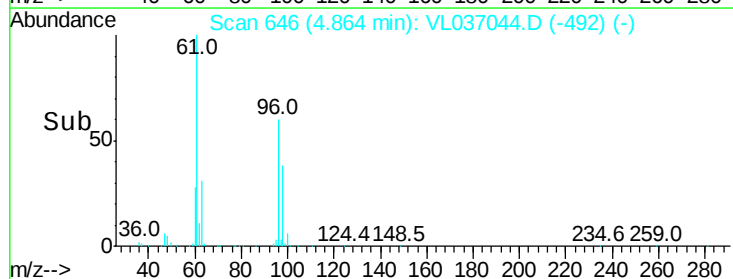
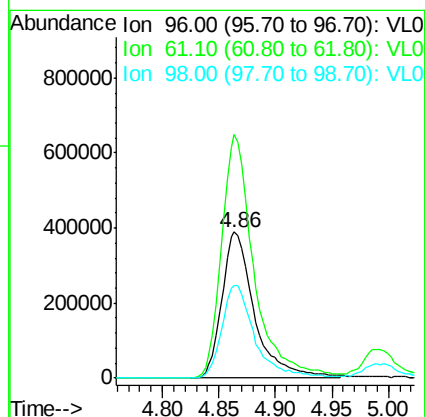
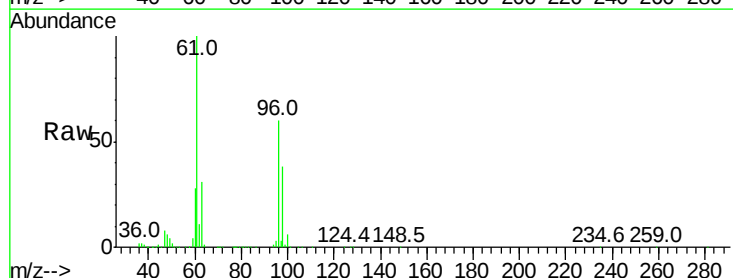
RT: 4.86 min Scan# 646

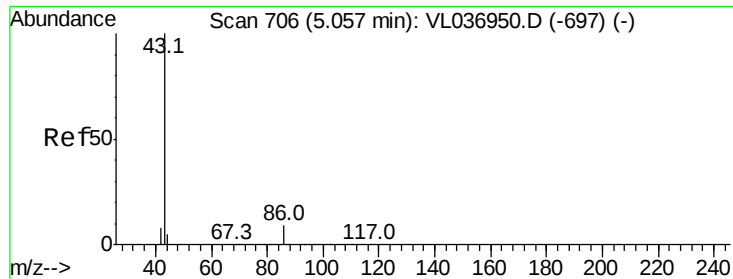
Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Tgt Ion:	96	Resp:	780591
Ion	Ratio	Lower	Upper
96	100		
61	166.7	130.6	196.0
98	63.7	50.8	76.2





#23

Vinyl Acetate

Concen: 10.683 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2398258

Ion Ratio Lower Upper

43 100

86 8.0 5.8 8.8

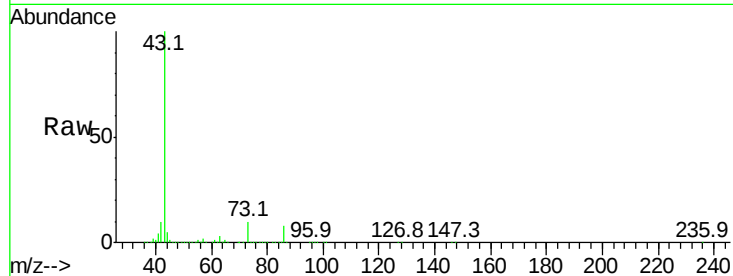
42 10.1 7.4 11.2

44 5.1 3.3 4.9#

Manual Integrations
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MMDadoda

5/25/2021 6:00:21 PM

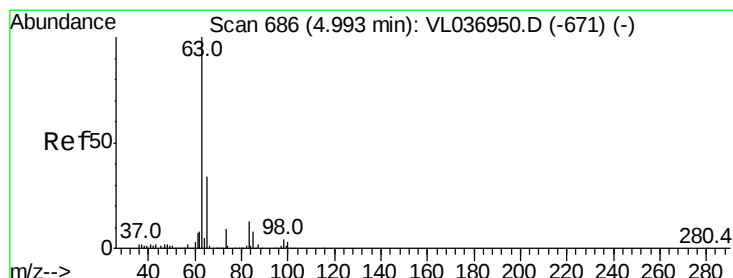
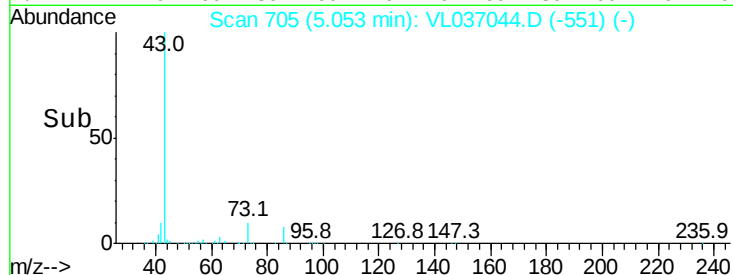
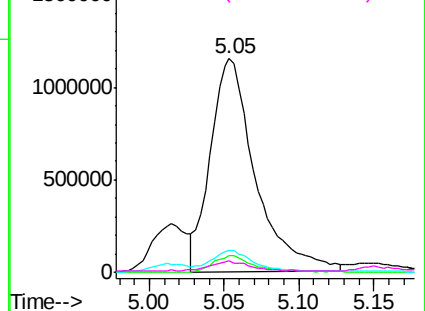


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.952 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

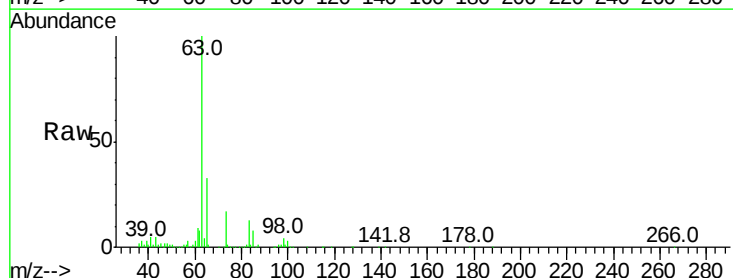
Tgt Ion: 63 Resp: 1769825

Ion Ratio Lower Upper

63 100

98 4.2 2.3 6.9

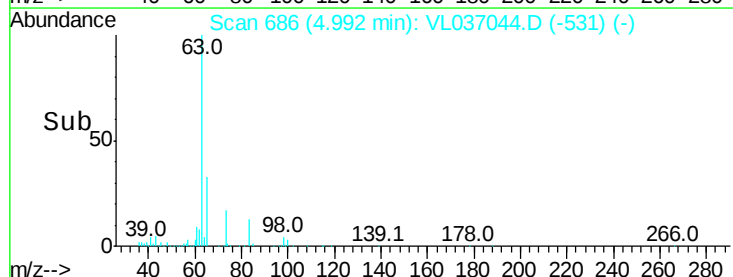
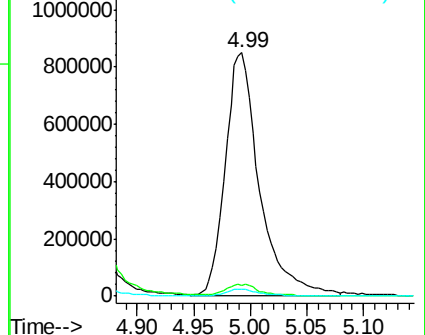
100 2.7 1.4 4.0

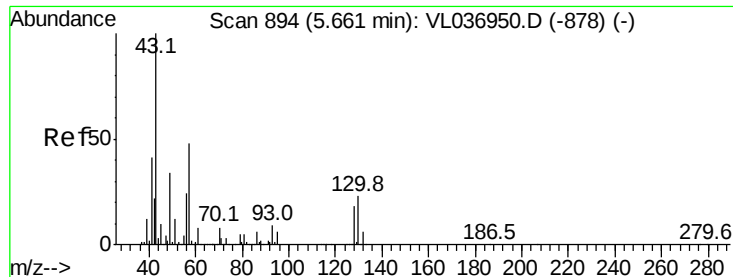


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.114 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 3437432

Ion Ratio Lower Upper

43 100

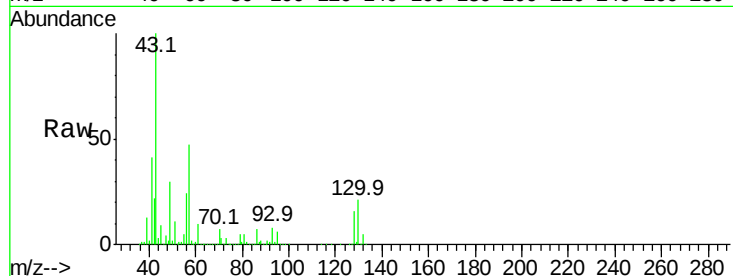
45 9.8 7.8 11.8

61 9.3 7.8 11.8

70 7.0 5.6 8.4

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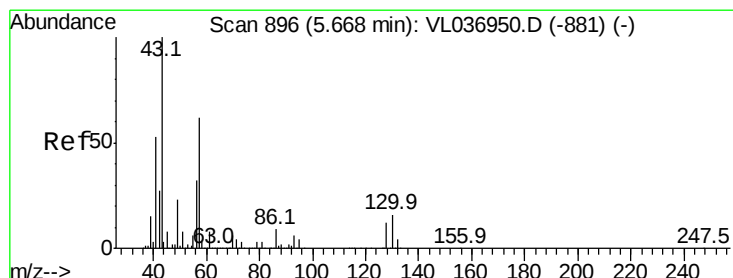
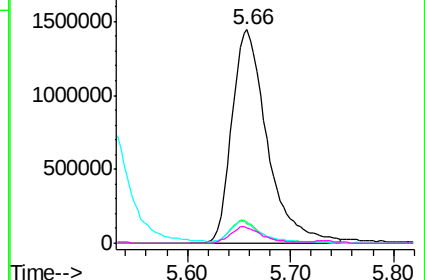
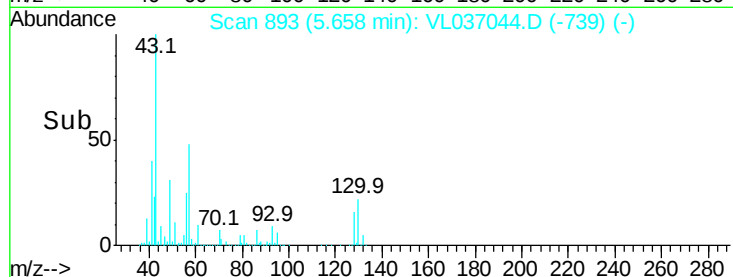


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.808 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Tgt Ion: 57 Resp: 1702886

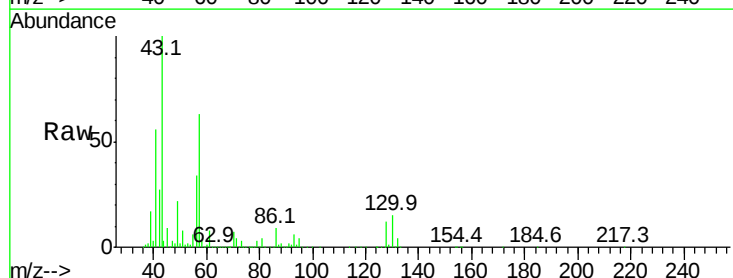
Ion Ratio Lower Upper

57 100

41 89.5 70.5 105.7

43 206.6 165.8 248.8

56 52.1 42.2 63.4

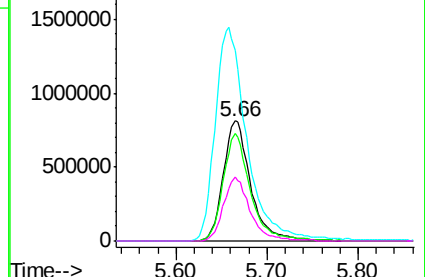
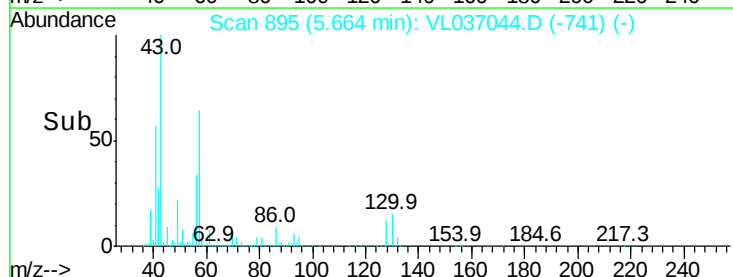


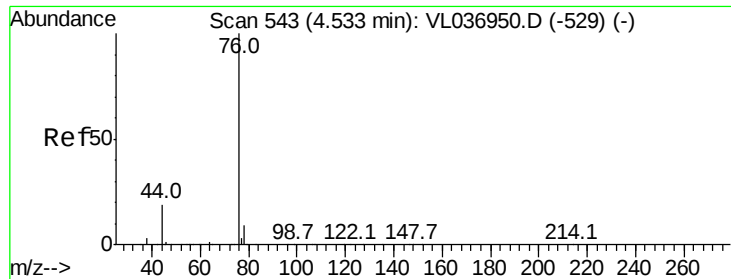
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.510 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1839081

Ion Ratio Lower Upper

76 100

44 19.2 15.5 23.3

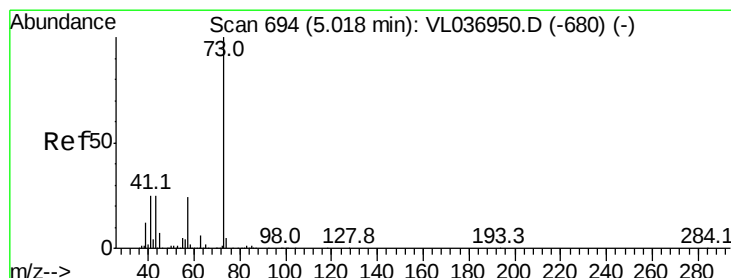
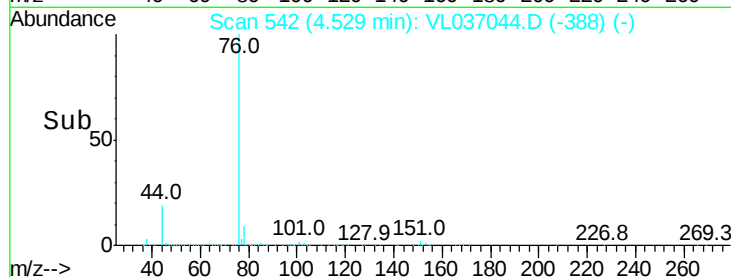
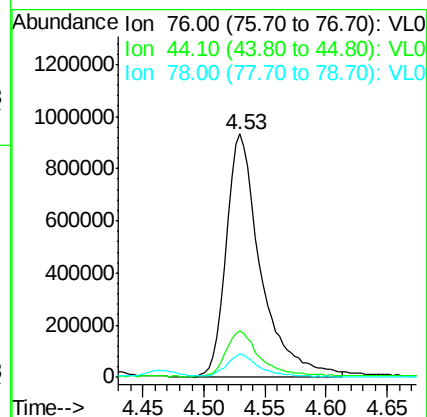
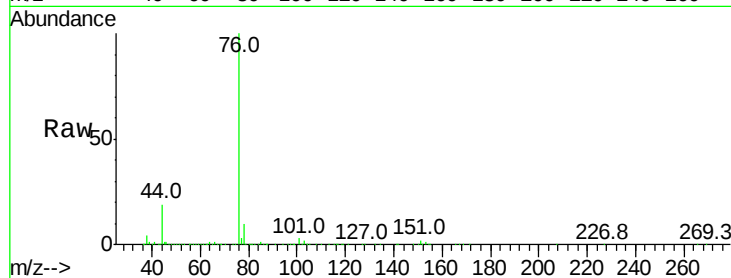
78 10.2 7.8 11.6

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#28

Methyl tert-Butyl Ether

Concen: 10.176 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL037044.D

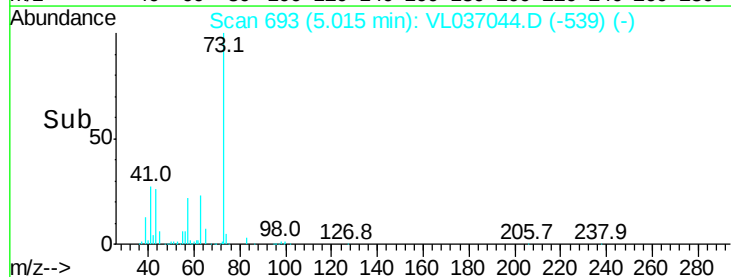
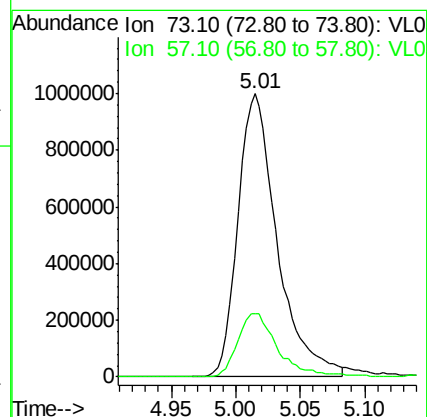
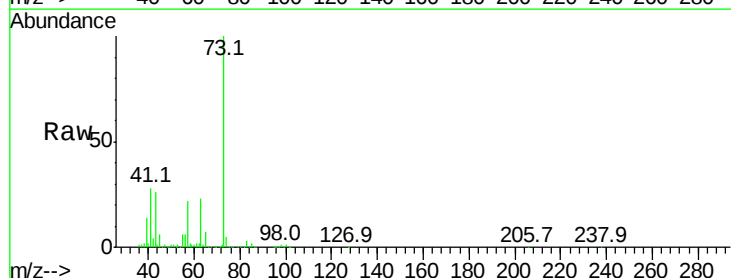
Acq: 24 May 2021 10:13

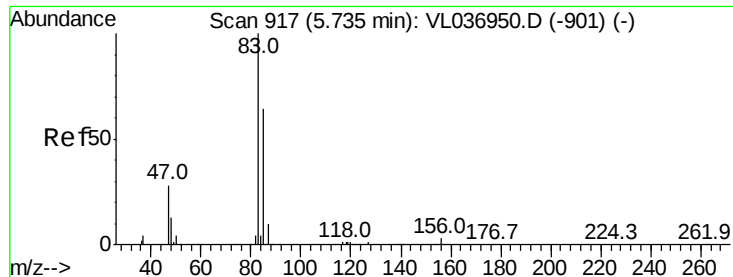
Tgt Ion: 73 Resp: 2117927

Ion Ratio Lower Upper

73 100

57 23.1 18.3 27.5





#29

Chloroform

Concen: 10.674 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 2618372

Ion Ratio Lower Upper

83 100

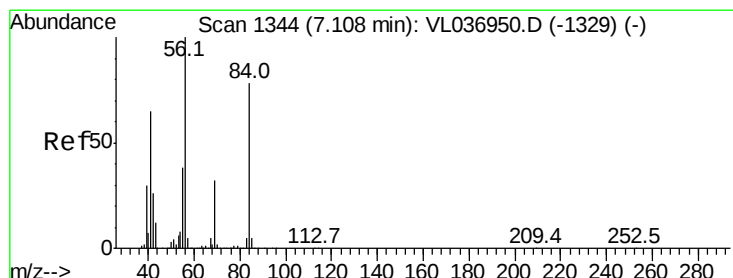
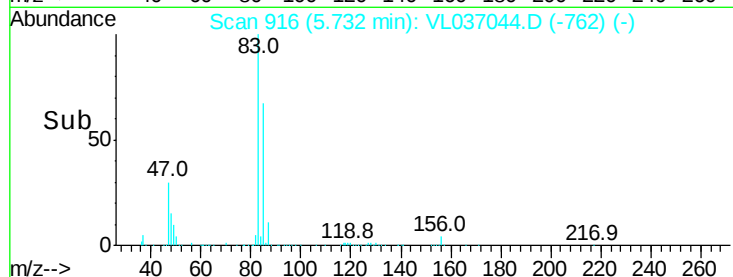
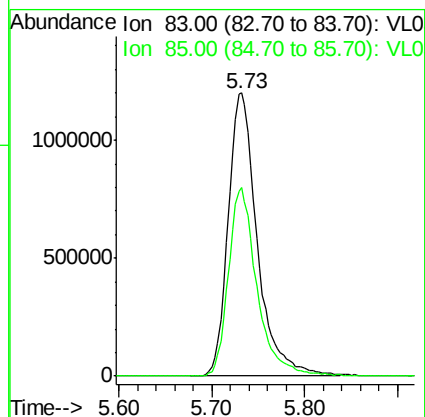
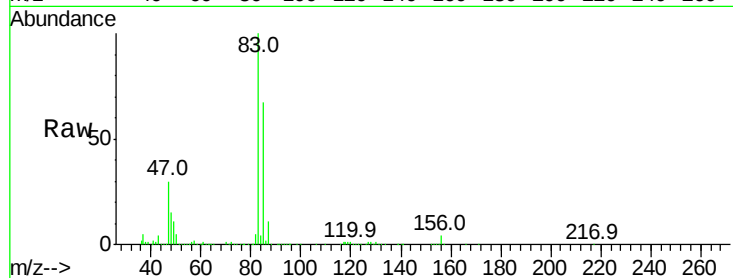
85 66.5 51.1 76.7

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5/25/2021 6:00:21 PM



#30

Cyclohexane

Concen: 10.020 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

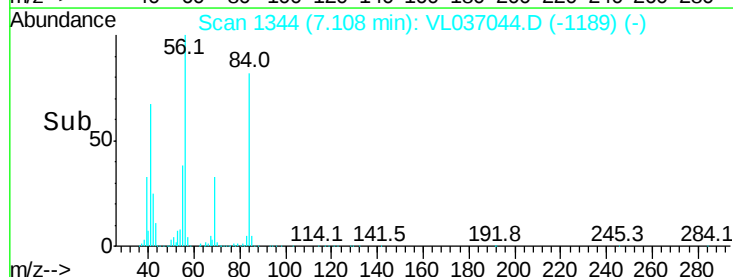
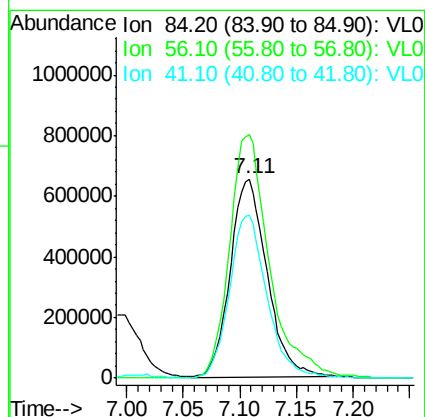
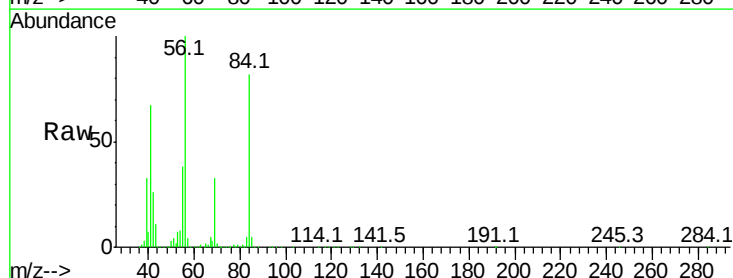
Tgt Ion: 84 Resp: 1478459

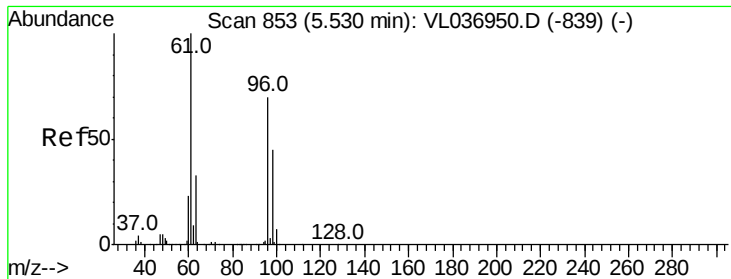
Ion Ratio Lower Upper

84 100

56 134.3 107.9 161.9

41 84.1 65.5 98.3





#31

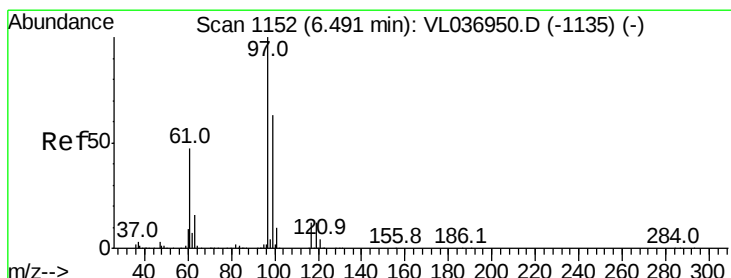
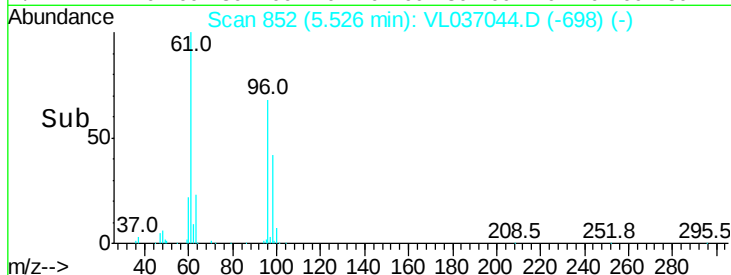
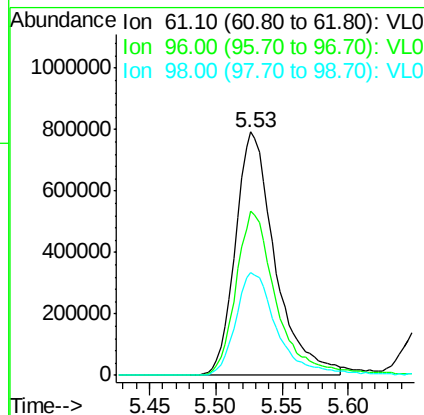
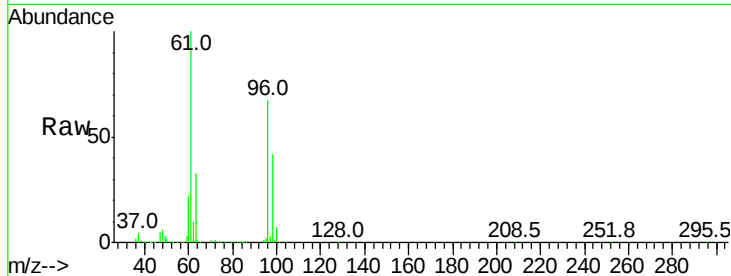
cis-1,2-Dichloroethene
Concen: 10.556 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1643316
Ion Ratio Lower Upper
61 100
96 67.2 55.9 83.9
98 42.0 35.6 53.4

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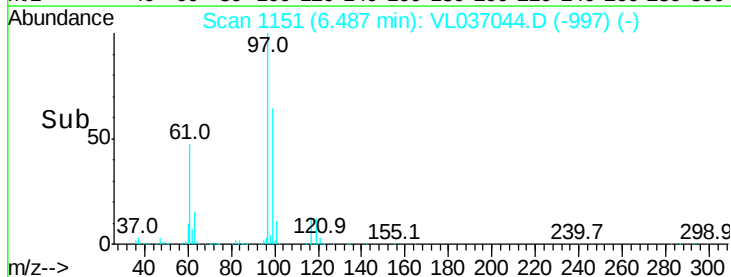
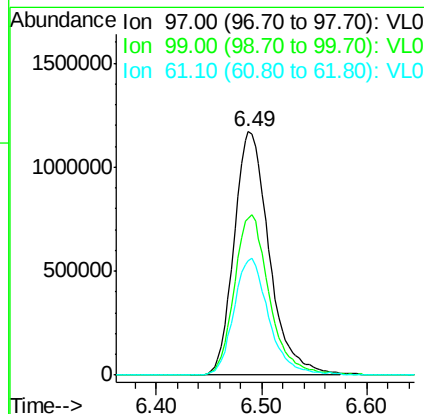
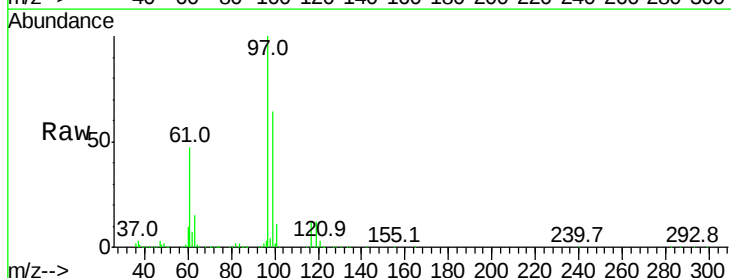
MMDadoda
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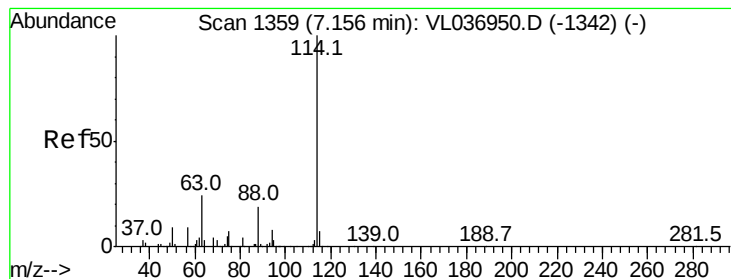


#32

1,1,1-Trichloroethane
Concen: 10.283 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 97 Resp: 2708552
Ion Ratio Lower Upper
97 100
99 65.8 51.9 77.9
61 48.2 37.6 56.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

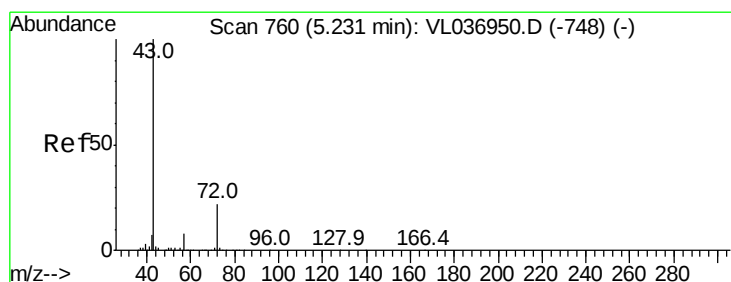
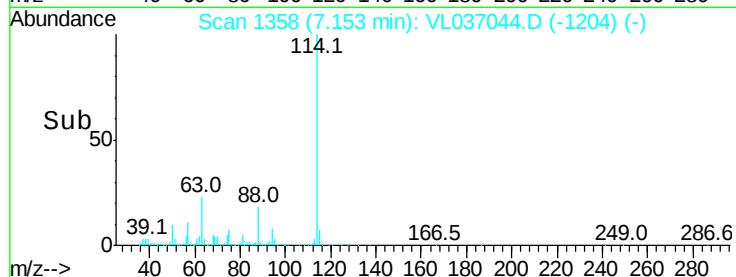
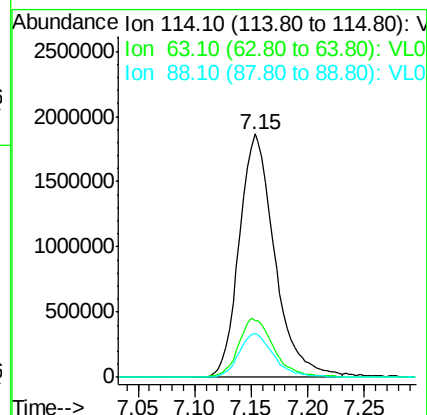
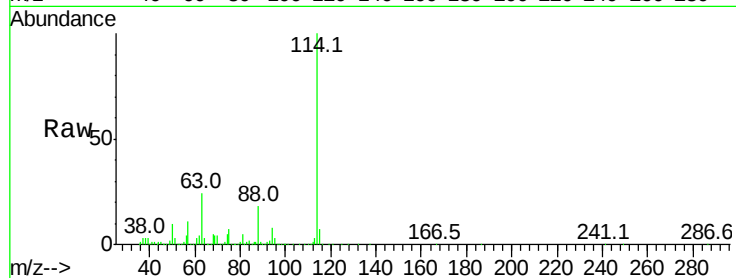
ClientSampleId :

VSTDCCC010

Tgt Ion:	114	Resp:	4077211
Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	17.9	14.6	21.8

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#34

2-Butanone

Concen: 10.987 ppbv

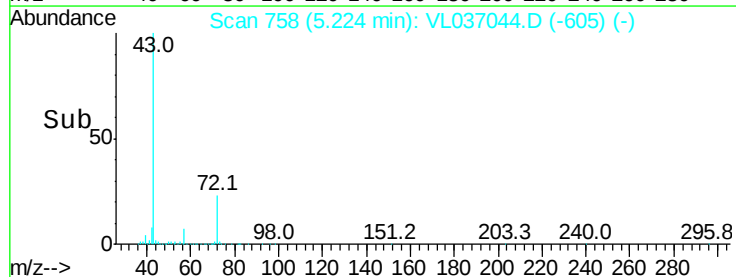
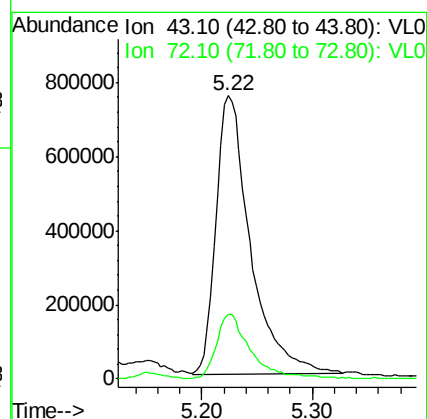
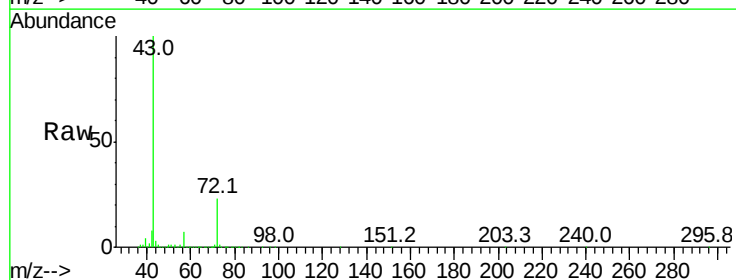
RT: 5.22 min Scan# 758

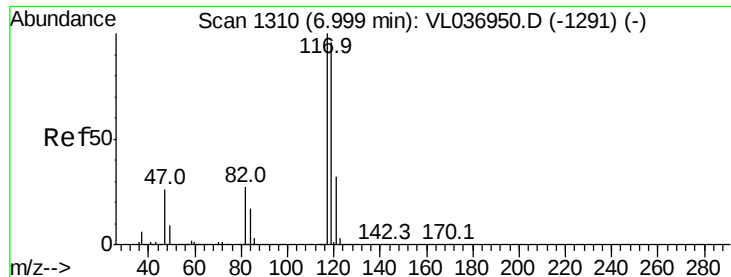
Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Tgt Ion:	43	Resp:	1631196
Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.0	28.4





#35

Carbon Tetrachloride

Concen: 10.458 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:117 Resp: 2833148

Ion Ratio Lower Upper

117 100

119 94.5 76.6 114.8

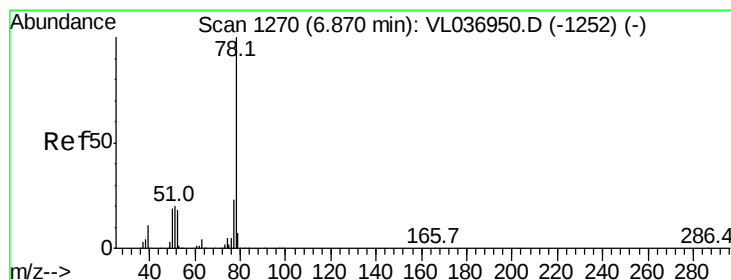
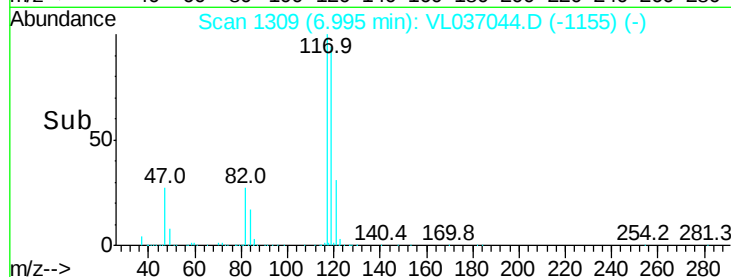
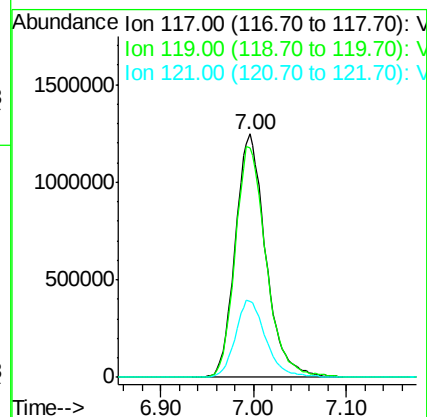
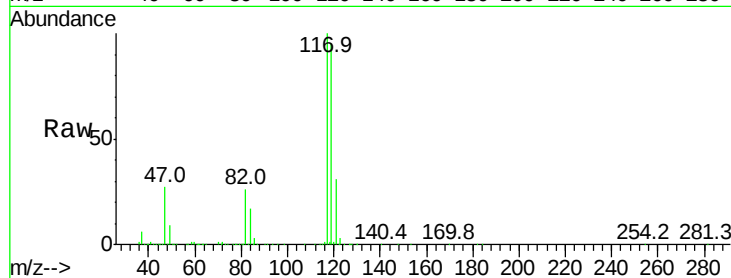
121 31.2 25.8 38.6

Manual Integrations

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5/25/2021 6:00:21 PM



#36

Benzene

Concen: 10.021 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

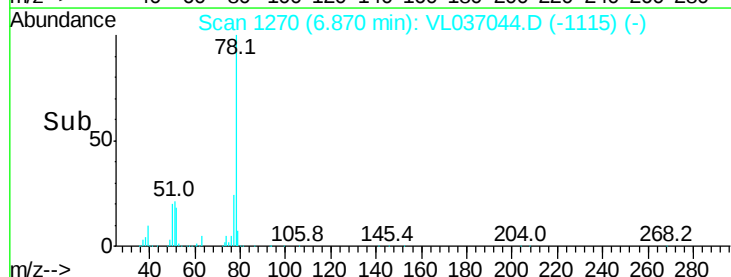
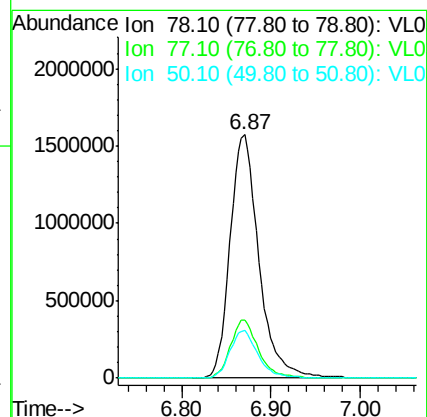
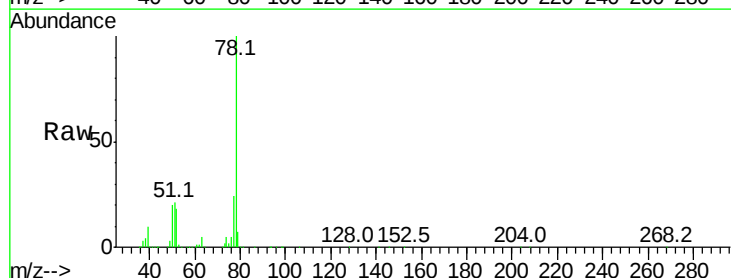
Tgt Ion: 78 Resp: 3519480

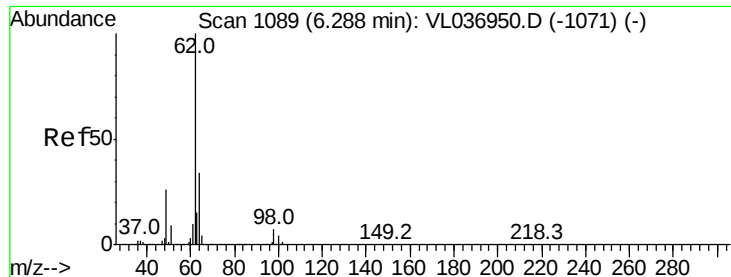
Ion Ratio Lower Upper

78 100

77 24.0 18.6 28.0

50 19.6 15.0 22.4





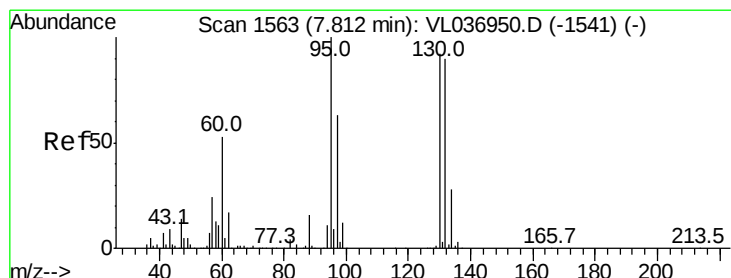
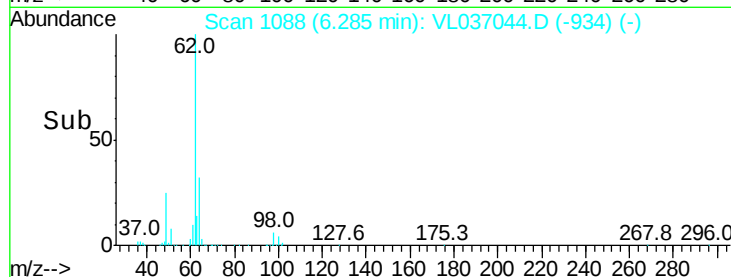
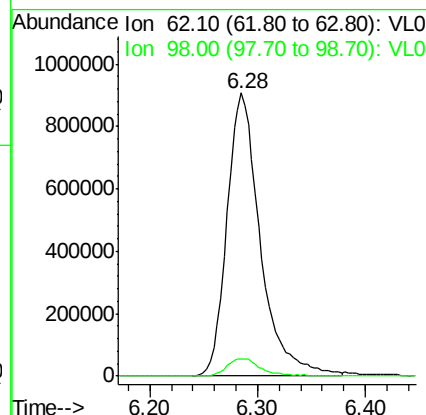
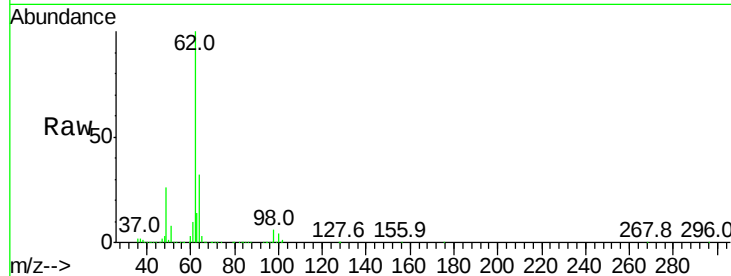
#37
 1,2-Dichloroethane
 Concen: 11.192 ppbv
 RT: 6.28 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1948755
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.5 8.3

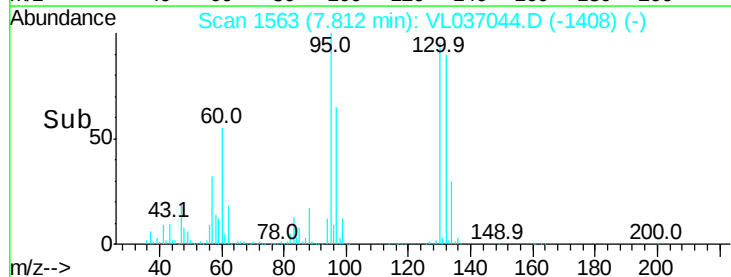
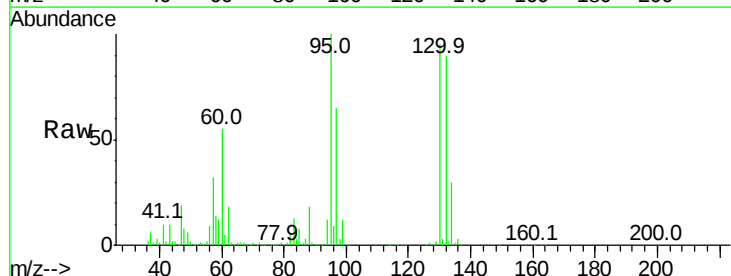
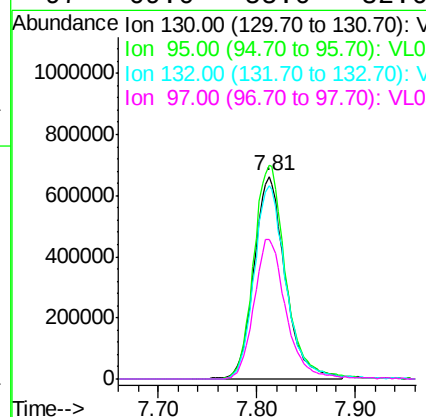
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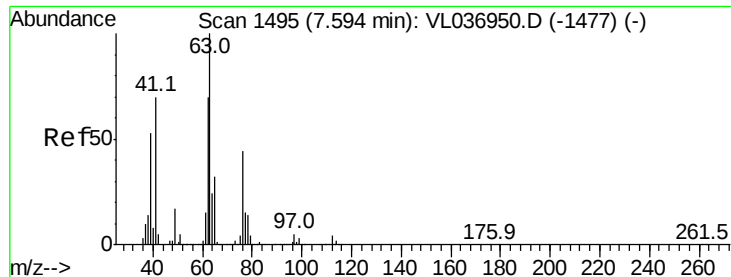
MMDadoda
 5/25/2021 6:00:21 PM



#38
 Trichloroethene
 Concen: 9.665 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion: 130 Resp: 1452006
 Ion Ratio Lower Upper
 130 100
 95 105.6 86.9 130.3
 132 95.4 78.4 117.6
 97 69.0 55.0 82.6





#39

1,2-Dichloropropane

Concen: 9.869 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 1335118

Ion Ratio Lower Upper

63 100

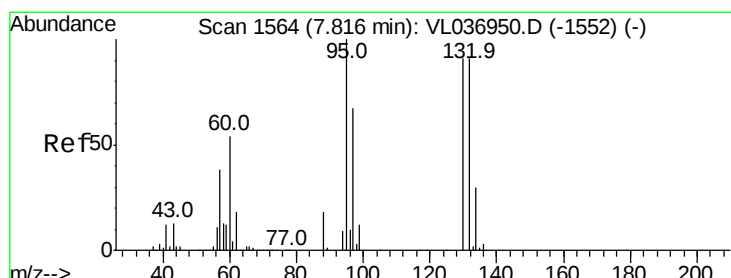
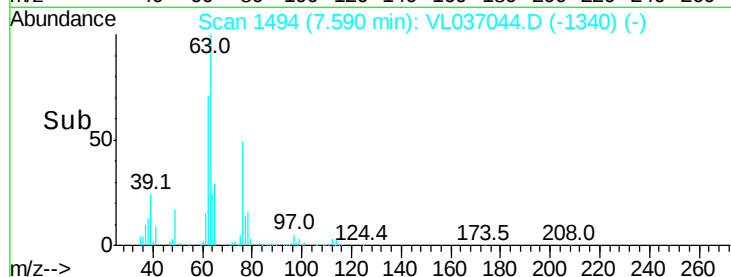
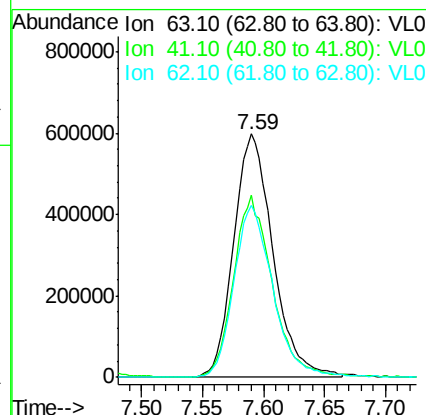
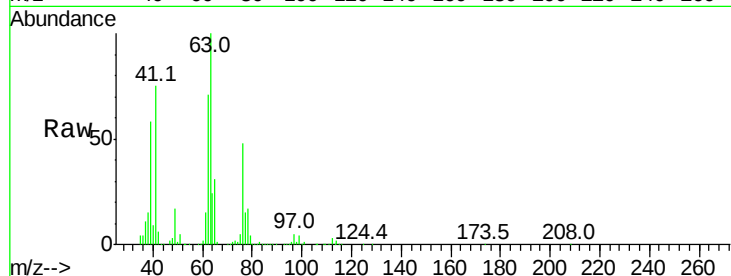
41 74.6 55.7 83.5

62 70.5 56.2 84.4

Manual Integrations
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5/25/2021 6:00:21 PM



#40

1,4-Dioxane

Concen: 9.777 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Tgt Ion: 88 Resp: 312307

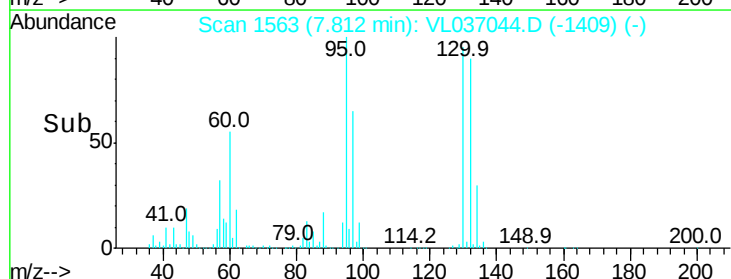
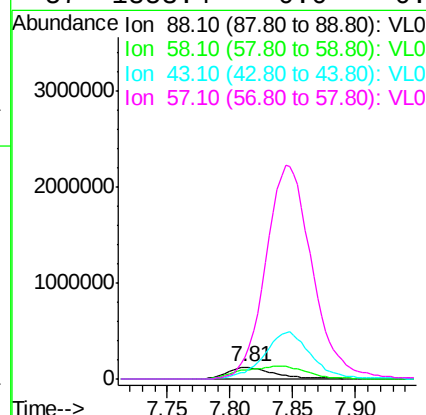
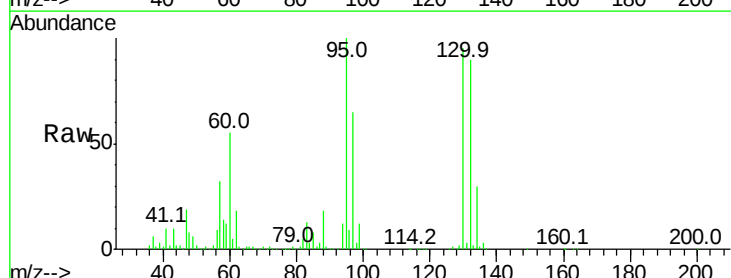
Ion Ratio Lower Upper

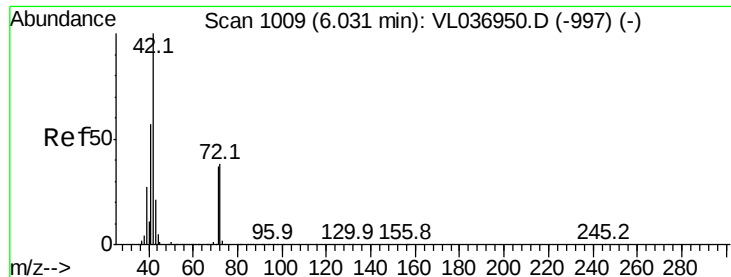
88 100

58 157.2 0.0 0.0#

43 413.1 0.0 0.0#

57 1853.4 0.0 0.0#





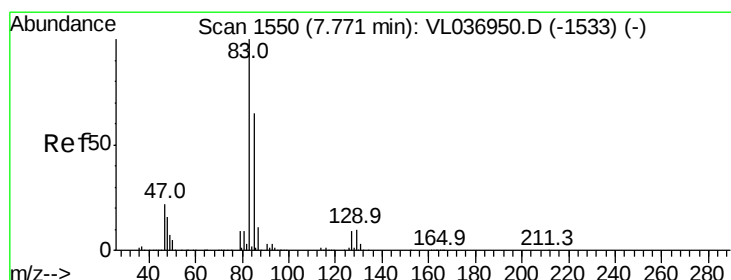
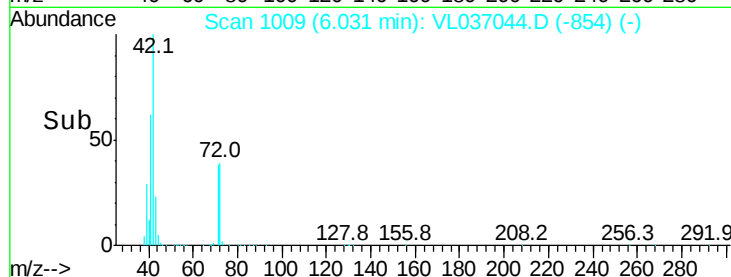
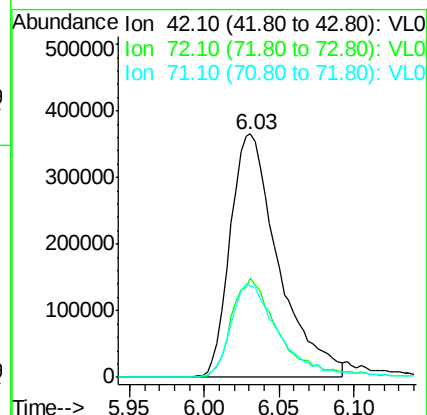
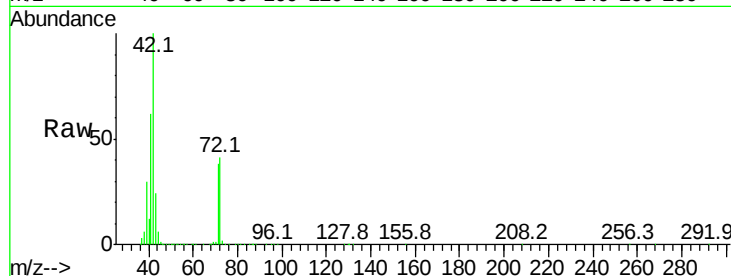
#41
Tetrahydrofuran
Concen: 9.625 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	31.4	47.2
71	40.2	30.4	45.6

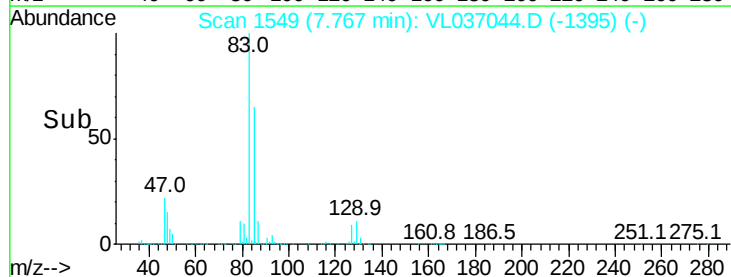
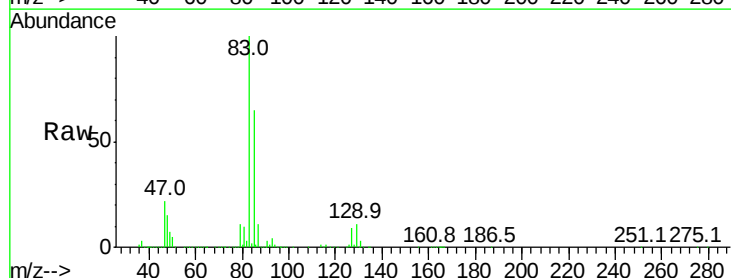
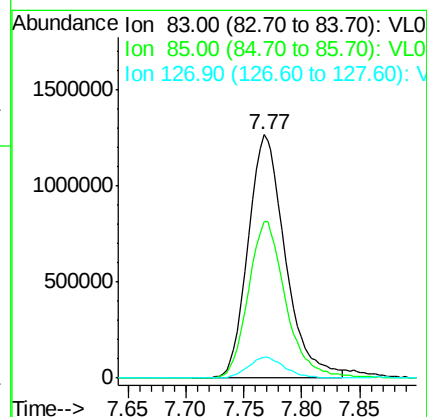
Manual Integrations
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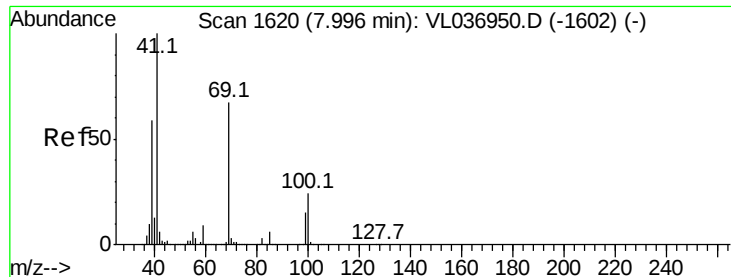
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#42
Bromodichloromethane
Concen: 10.751 ppbv
RT: 7.77 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.7	77.5
127	8.6	6.9	10.3





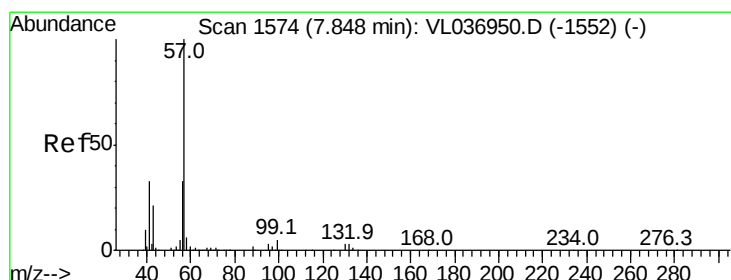
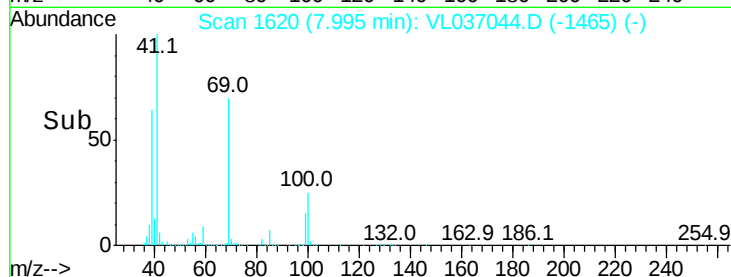
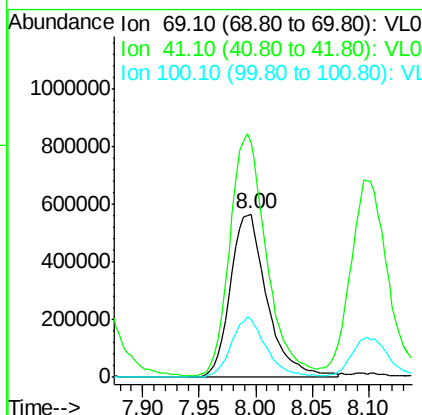
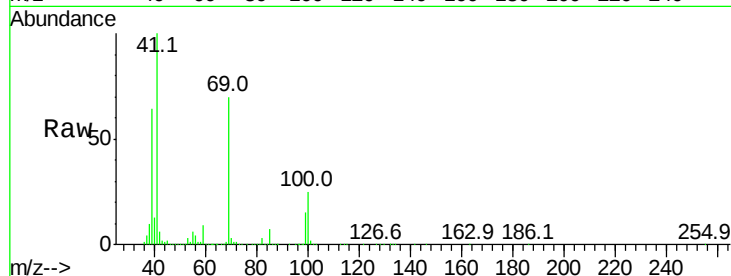
#43
Methyl Methacrylate
Concen: 10.597 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1282751
Ion Ratio Lower Upper
69 100
41 149.1 118.6 178.0
100 35.3 28.2 42.4

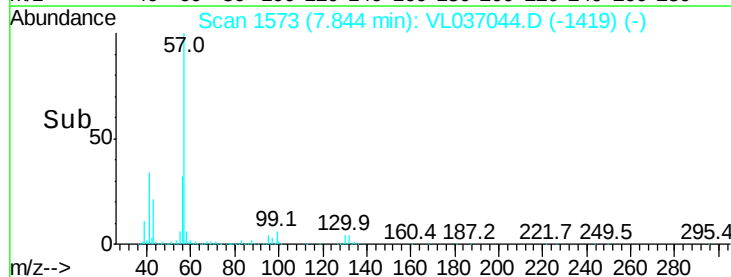
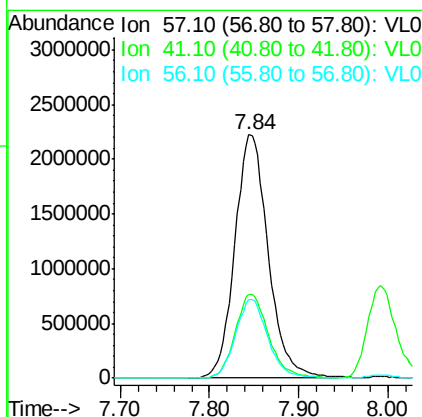
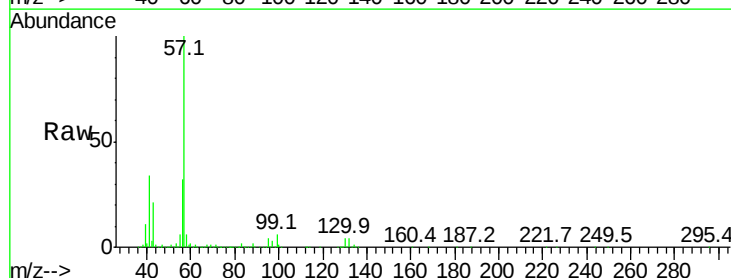
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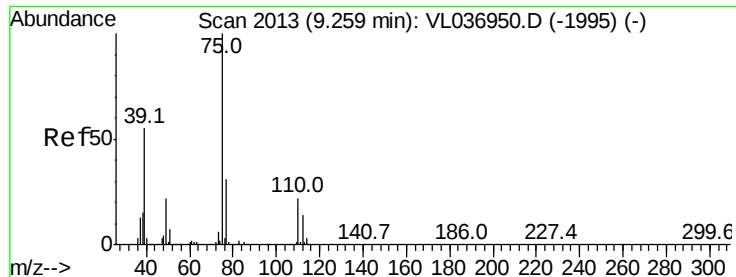
MMDadoda
5/25/2021 6:00:21 PM



#44
2,2,4-Trimethylpentane
Concen: 9.569 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 57 Resp: 5765552
Ion Ratio Lower Upper
57 100
41 34.3 27.0 40.4
56 31.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 11.132 ppbv

RT: 9.25 min Scan# 2011

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 1029450

Ion Ratio Lower Upper

75 100

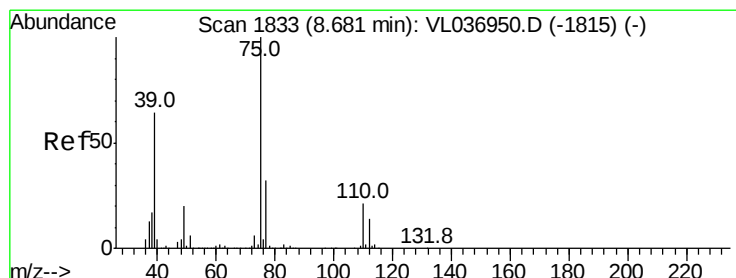
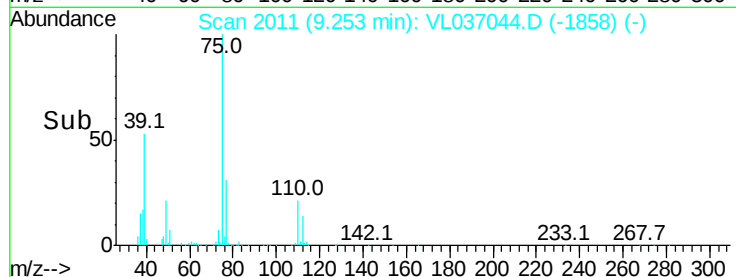
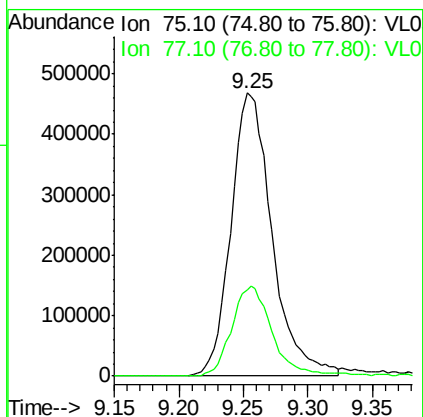
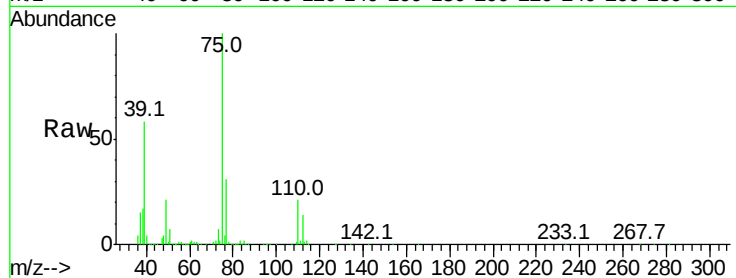
77 30.6 24.4 36.6

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5/25/2021 6:00:21 PM



#46

cis-1,3-Dichloropropene

Concen: 10.670 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

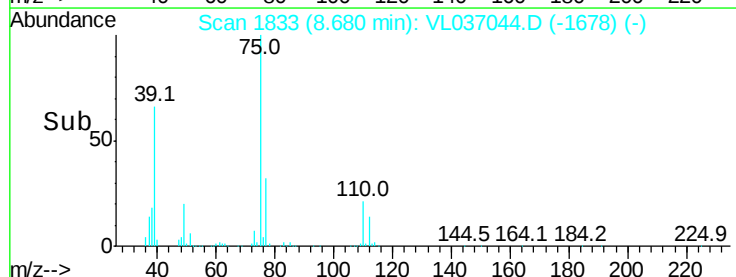
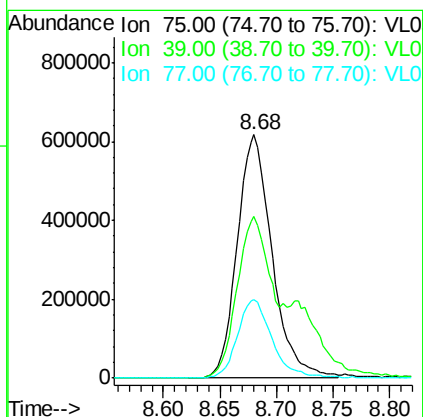
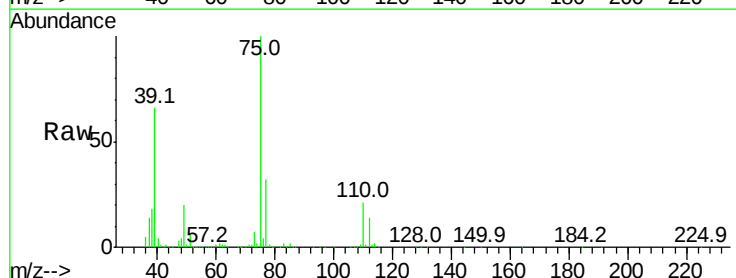
Tgt Ion: 75 Resp: 1327139

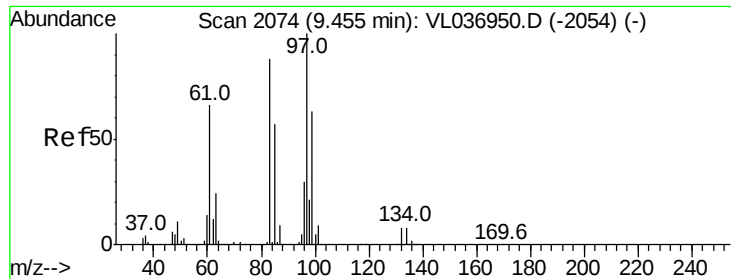
Ion Ratio Lower Upper

75 100

39 66.1 51.5 77.3

77 32.3 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.371 ppbv

RT: 9.45 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1468471

Ion Ratio Lower Upper

97 100

83 84.8 70.4 105.6

85 54.9 45.5 68.3

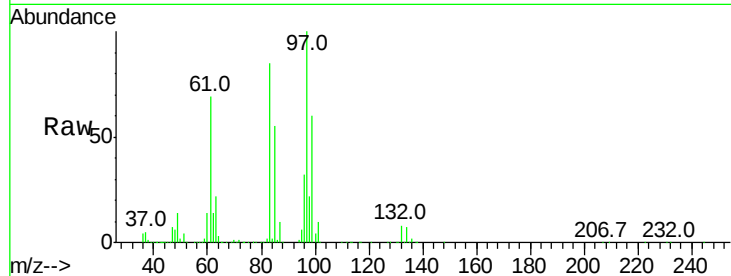
99 60.3 50.2 75.2

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5/25/2021 6:00:21 PM

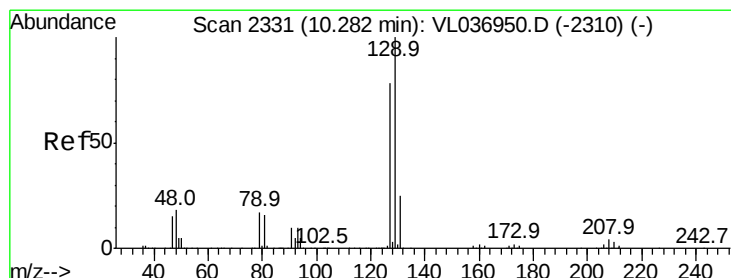
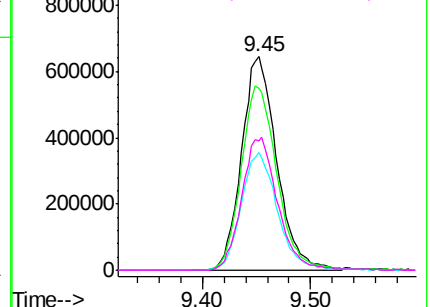
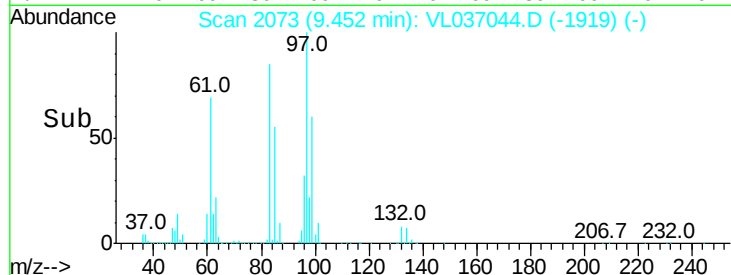


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.259 ppbv

RT: 10.28 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VL037044.D

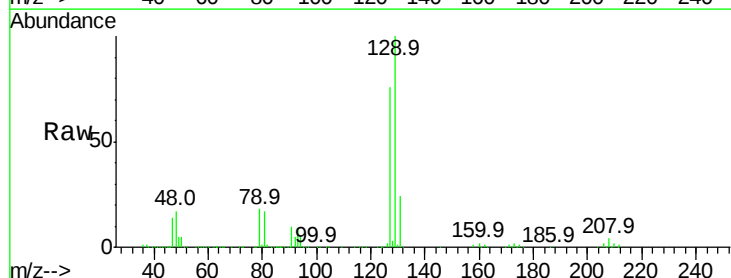
Acq: 24 May 2021 10:13

Tgt Ion: 129 Resp: 2581218

Ion Ratio Lower Upper

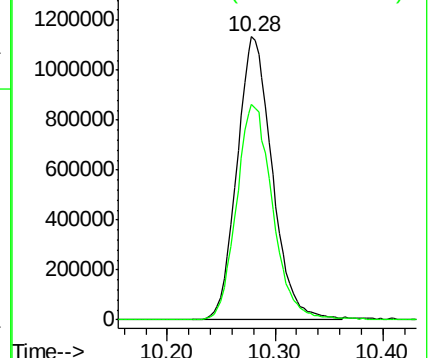
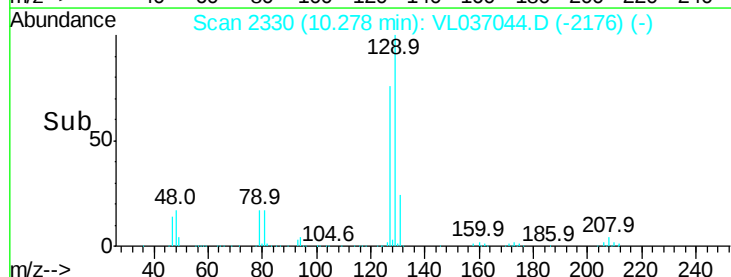
129 100

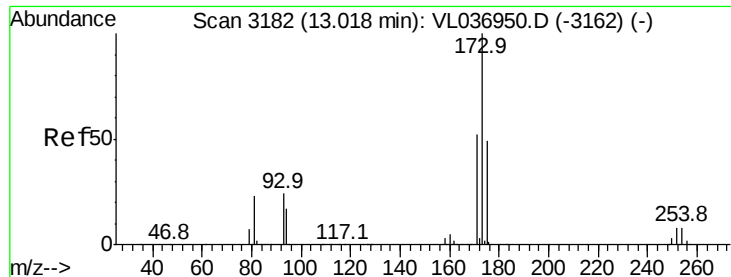
127 78.3 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.447 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 2167350

Ion Ratio Lower Upper

173 100

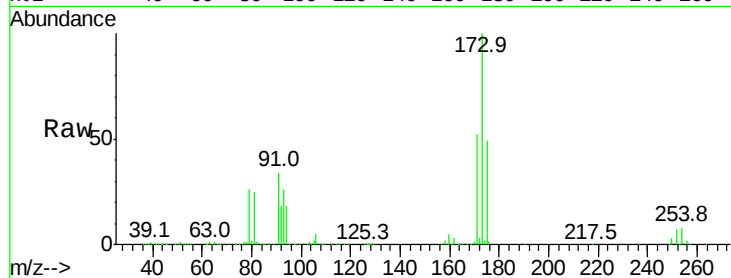
175 49.9 40.4 60.6

171 53.3 42.6 64.0

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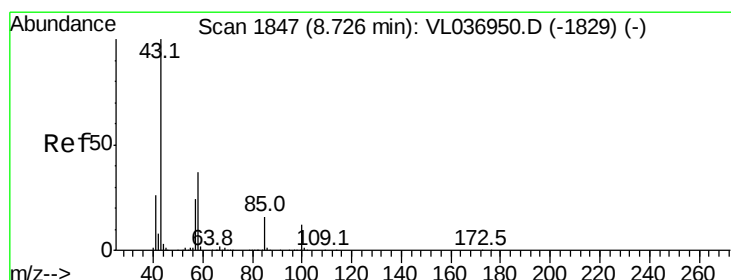
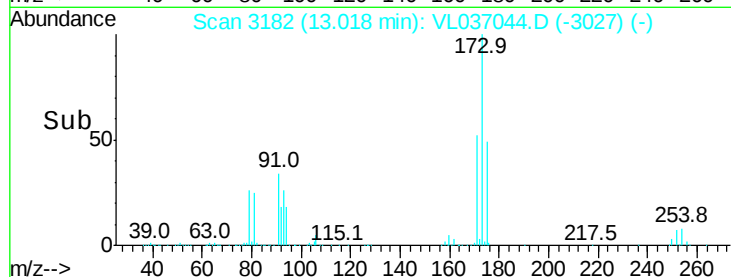
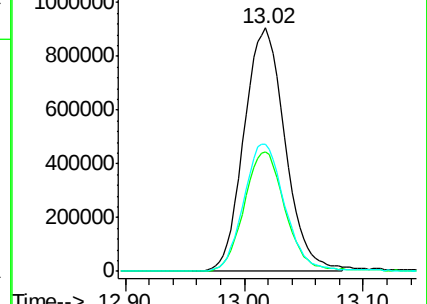
5/25/2021 6:00:21 PM



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: 10.339 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL037044.D

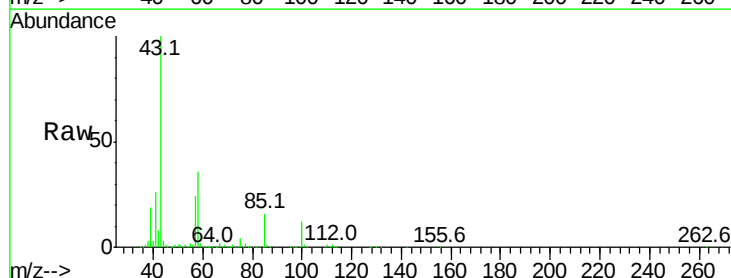
Acq: 24 May 2021 10:13

Tgt Ion: 43 Resp: 2532778

Ion Ratio Lower Upper

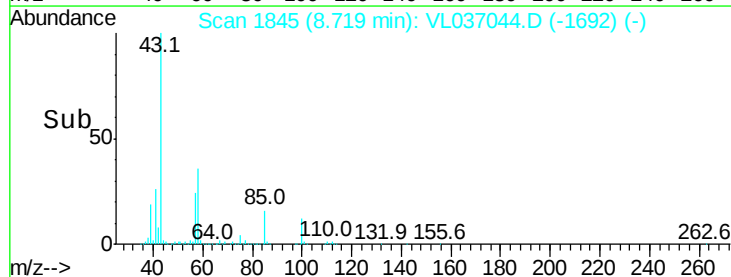
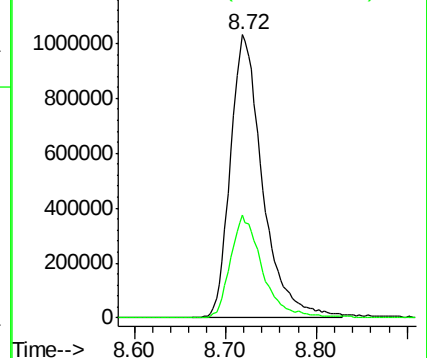
43 100

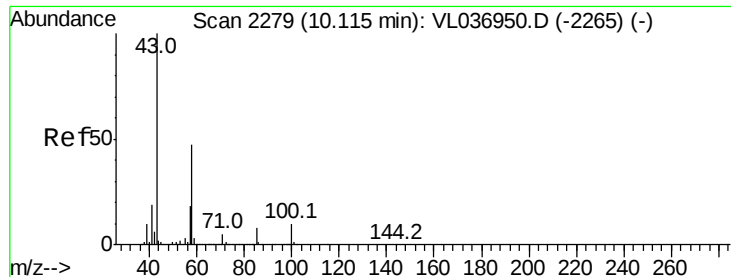
58 36.6 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.463 ppbv

RT: 10.11 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1355121

Ion Ratio Lower Upper

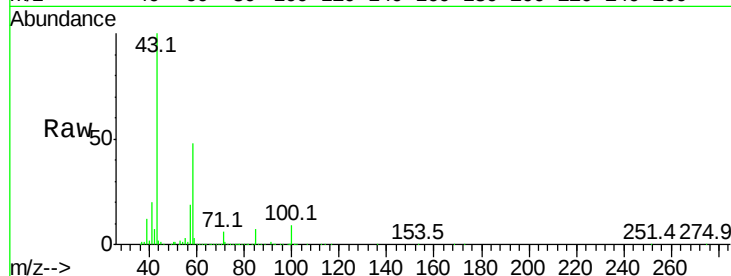
43 100

58 49.5 41.1 61.7

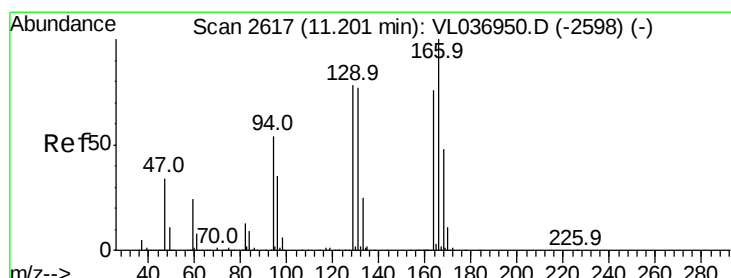
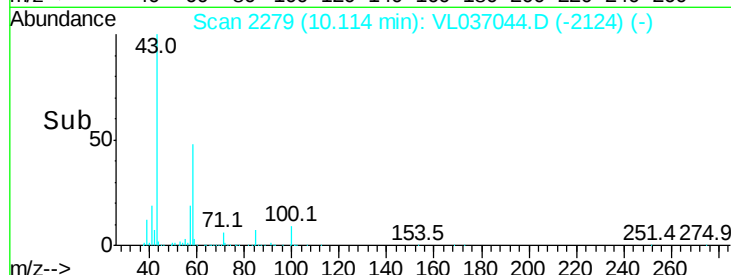
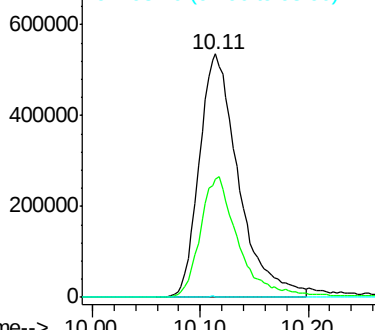
98 0.3 0.1 0.1#

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5/25/2021 6:00:21 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.221 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Tgt Ion: 164 Resp: 1427373

Ion Ratio Lower Upper

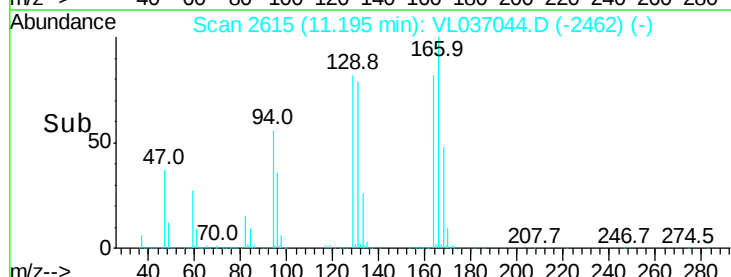
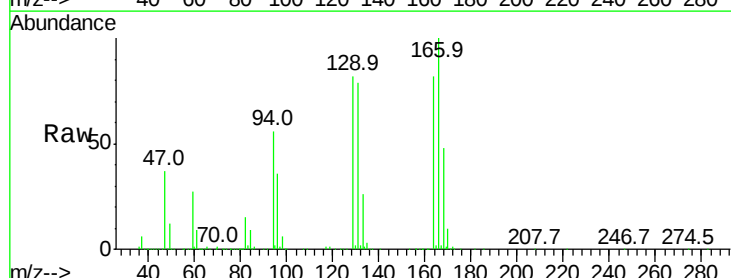
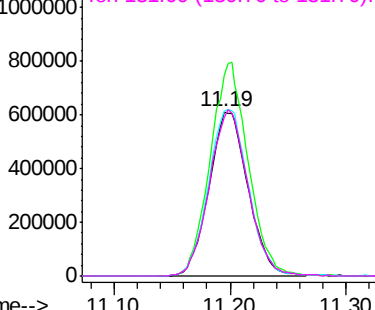
164 100

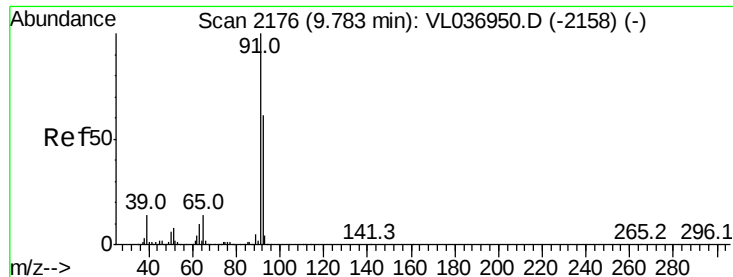
166 122.1 105.5 158.3

129 100.5 81.8 122.8

131 96.4 81.2 121.8

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.019 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 4186899

Ion Ratio Lower Upper

91 100

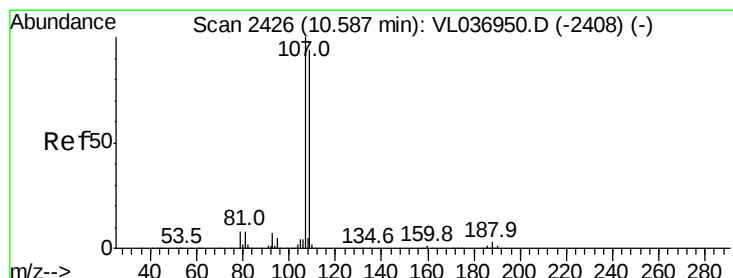
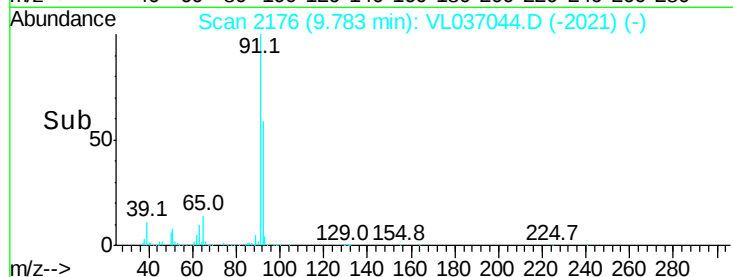
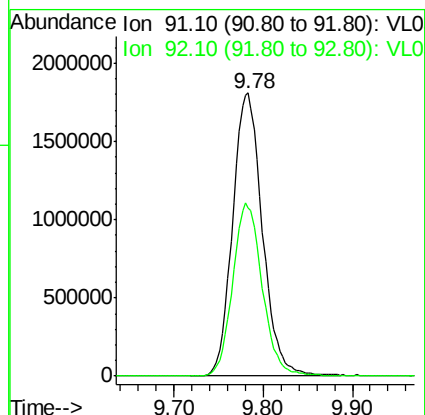
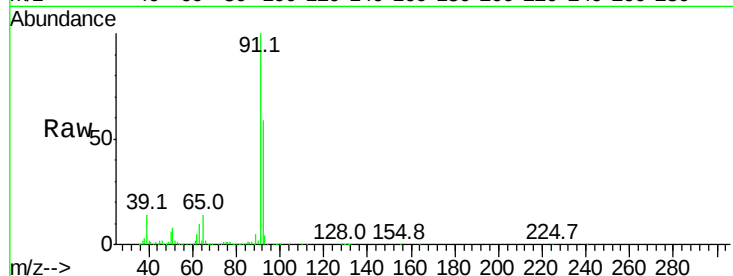
92 60.8 49.5 74.3

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5/25/2021 6:00:21 PM



#54

1,2-Dibromoethane

Concen: 10.779 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL037044.D

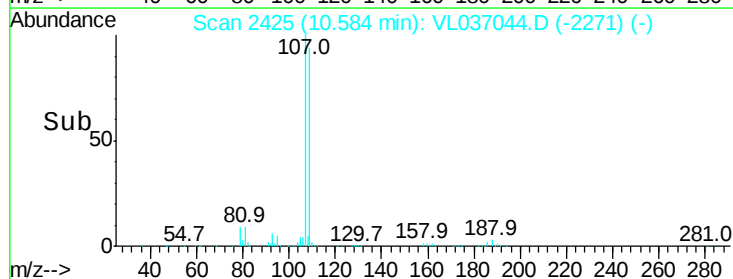
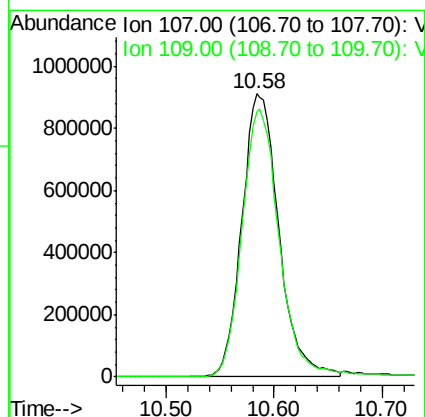
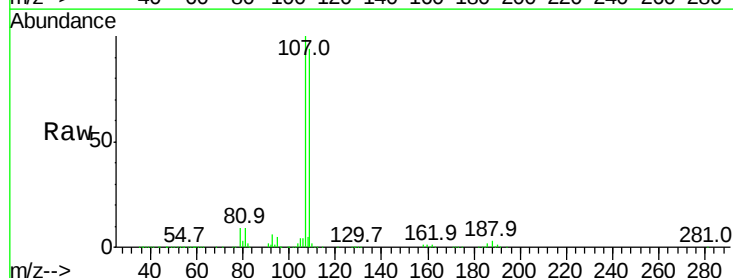
Acq: 24 May 2021 10:13

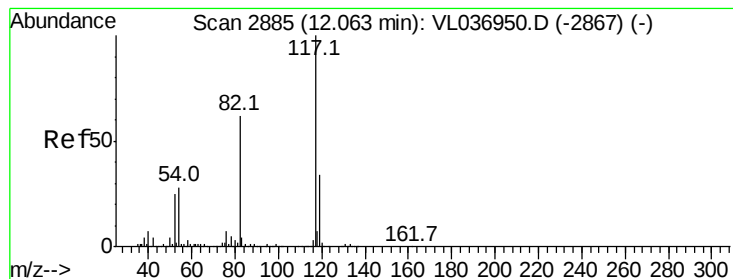
Tgt Ion: 107 Resp: 2169814

Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:117 Resp: 3872608

Ion Ratio Lower Upper

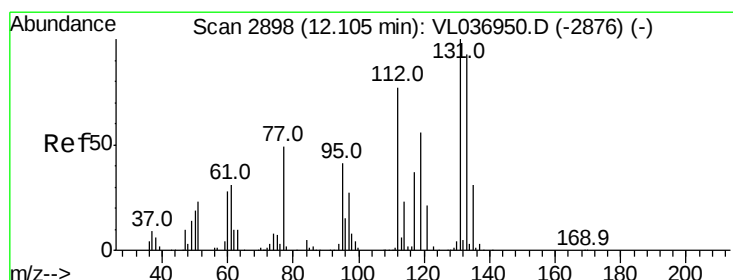
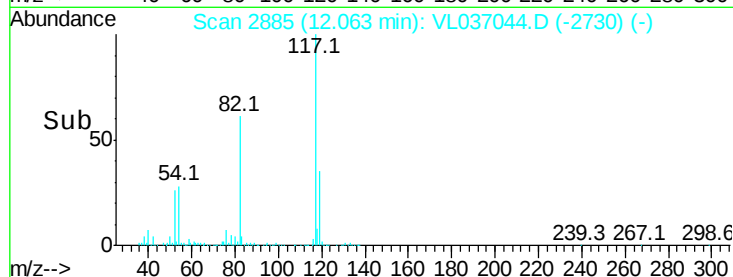
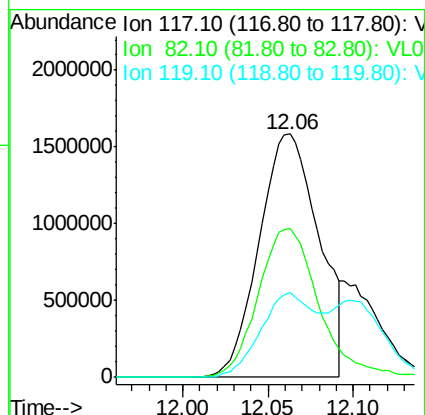
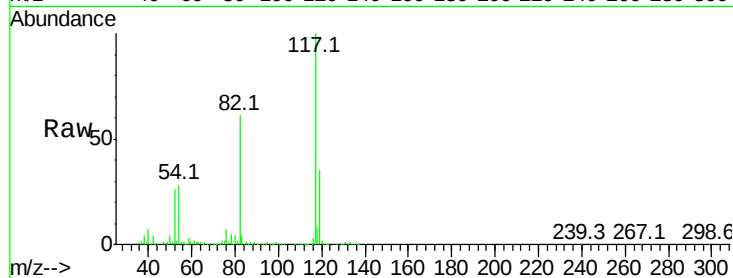
117 100

82 62.7 52.6 79.0

119 29.8 46.6 70.0#

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5/25/2021 6:00:21 PM



#56

1,1,1,2-Tetrachloroethane

Concen: 10.697 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

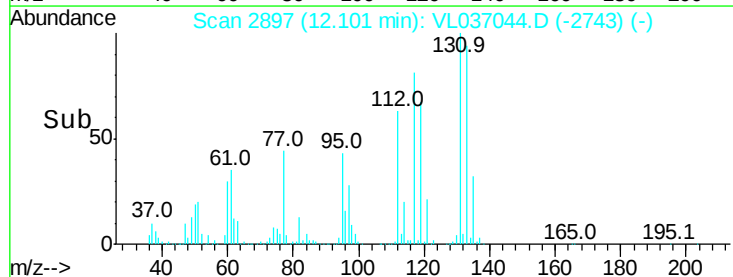
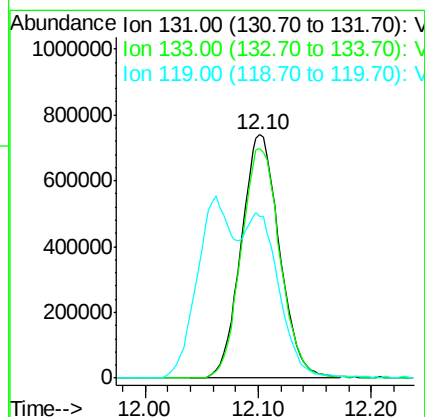
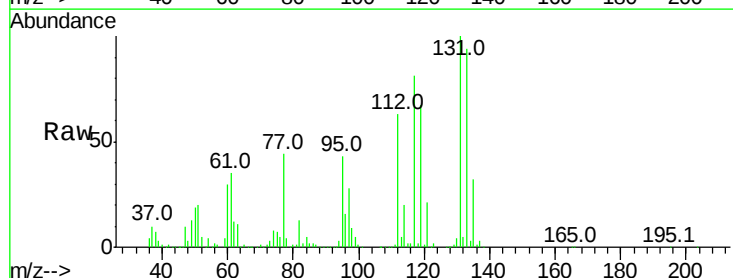
Tgt Ion:131 Resp: 1743040

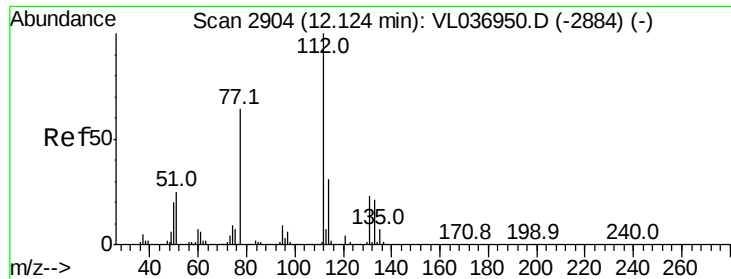
Ion Ratio Lower Upper

131 100

133 96.0 76.9 115.3

119 59.7 120.2 180.4#





#57

Chlorobenzene

Concen: 10.289 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:112 Resp: 3089644

Ion Ratio Lower Upper

112 100

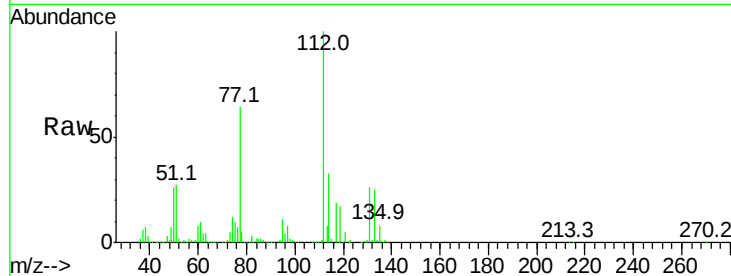
77 63.4 51.0 76.6

114 32.9 28.3 34.5

Manual Integrations
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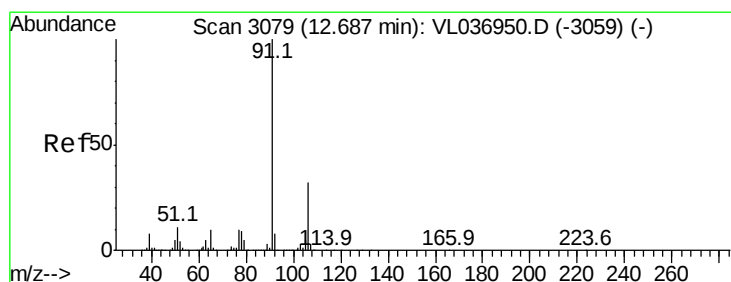
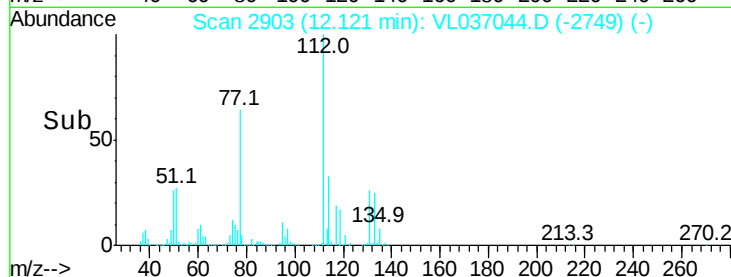
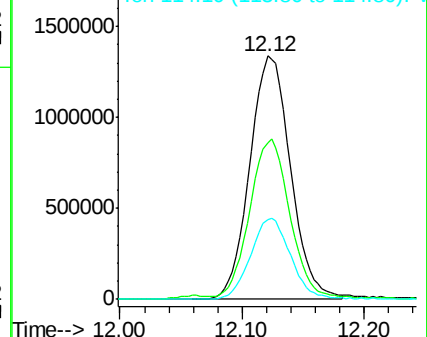
5/25/2021 6:00:21 PM



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: 10.193 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.00 min

Lab File: VL037044.D

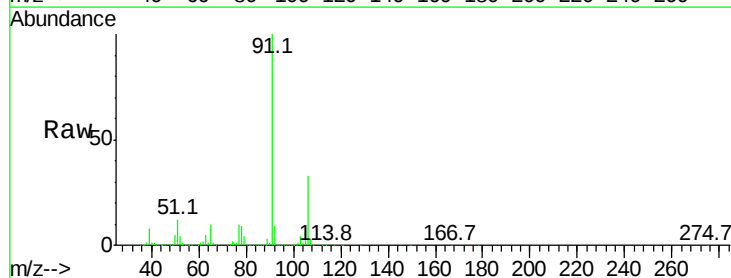
Acq: 24 May 2021 10:13

Tgt Ion: 91 Resp: 5571269

Ion Ratio Lower Upper

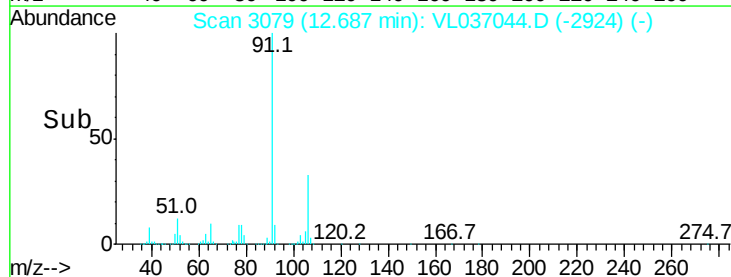
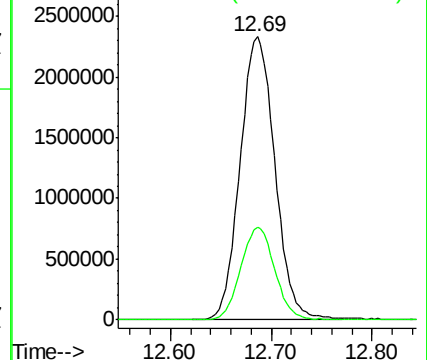
91 100

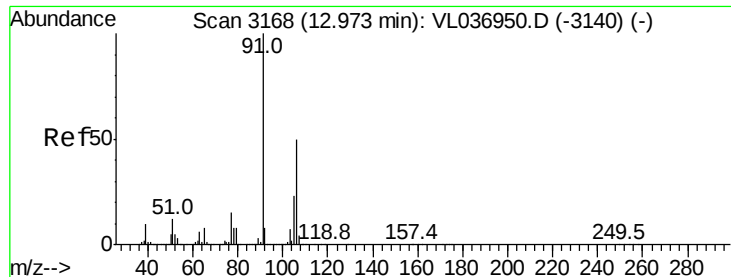
106 32.8 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





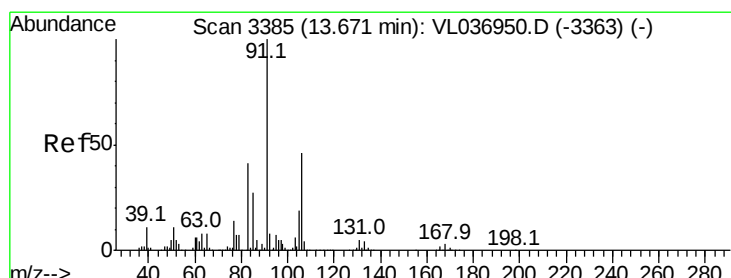
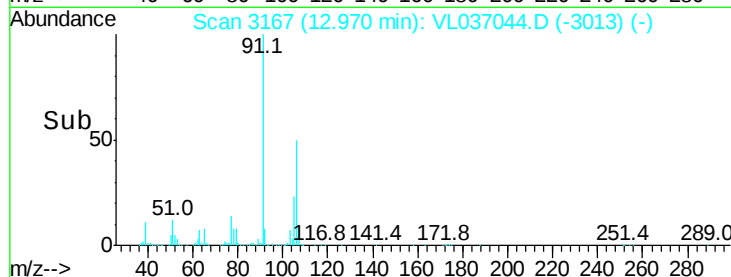
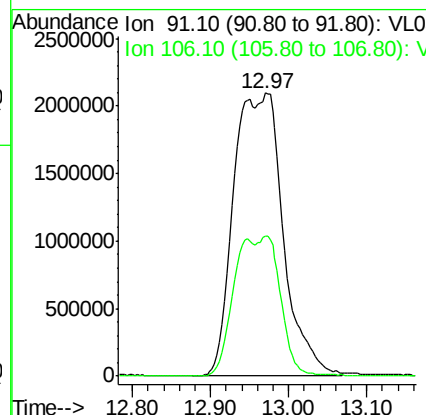
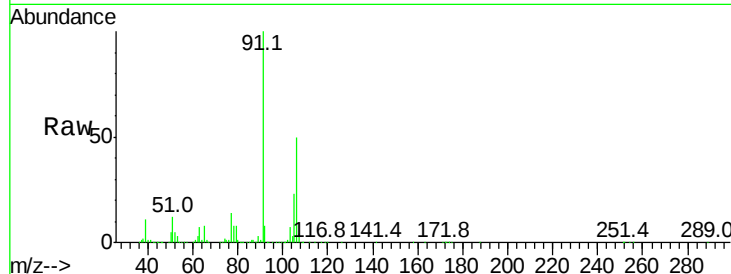
#59
m/p-Xylene
Concen: 20.449 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 9238807
Ion Ratio Lower Upper
91 100
106 46.1 37.4 56.2

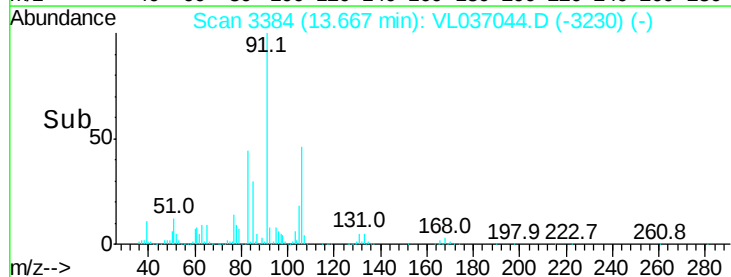
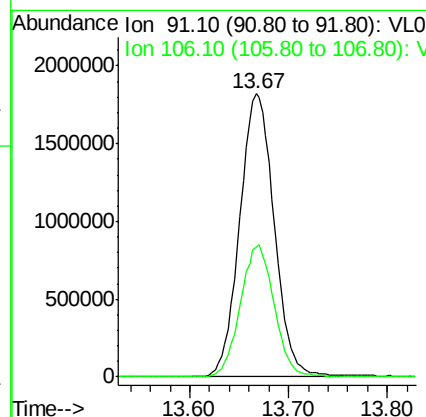
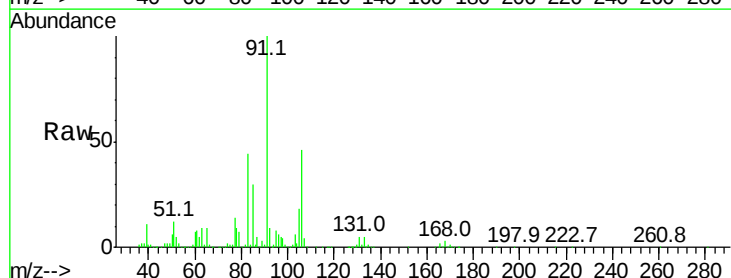
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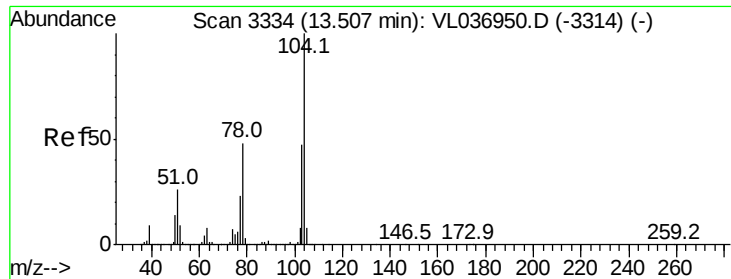
MMDadoda
5/25/2021 6:00:21 PM



#60
o-Xylene
Concen: 10.207 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 91 Resp: 4398149
Ion Ratio Lower Upper
91 100
106 46.3 23.4 70.3





#61

Styrene

Concen: 10.656 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 2586724

Ion Ratio Lower Upper

104 100

78 50.4 39.0 58.6

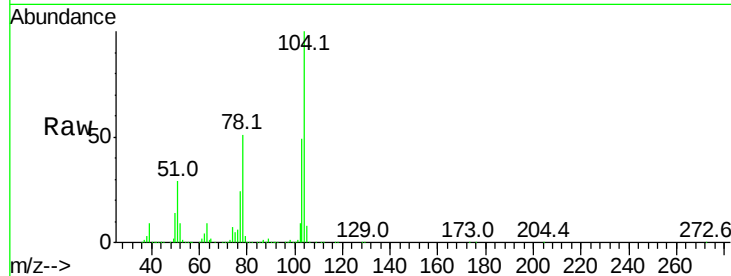
103 48.4 38.0 57.0

Manual Integrations

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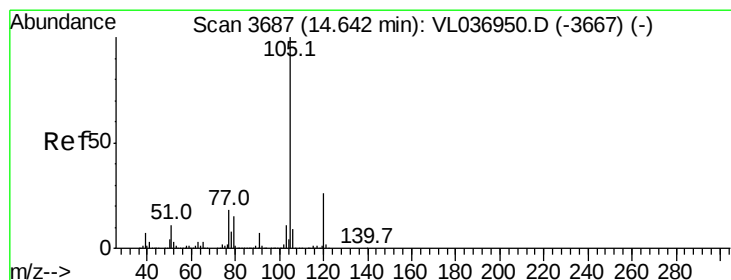
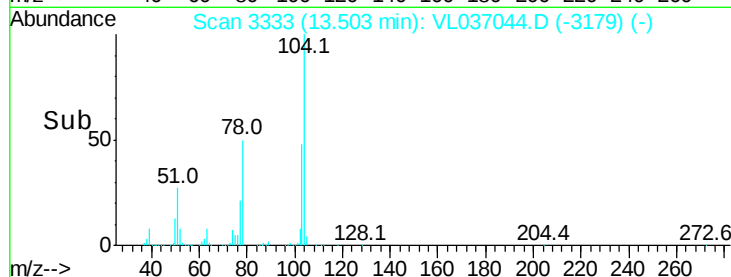
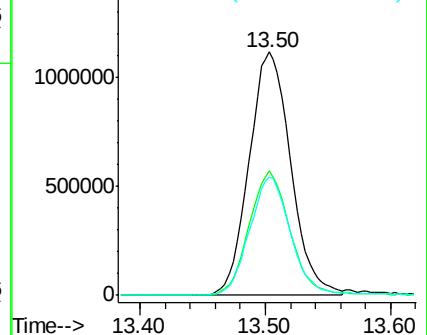
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.021 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL037044.D

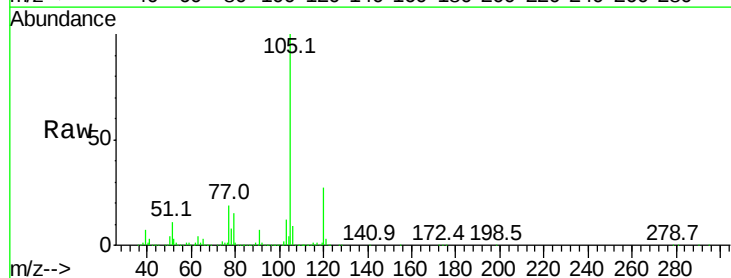
Acq: 24 May 2021 10:13

Tgt Ion:105 Resp: 6205770

Ion Ratio Lower Upper

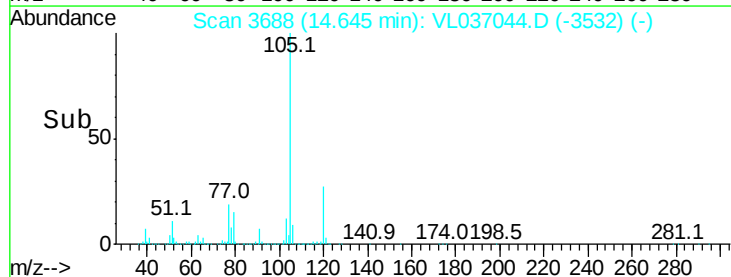
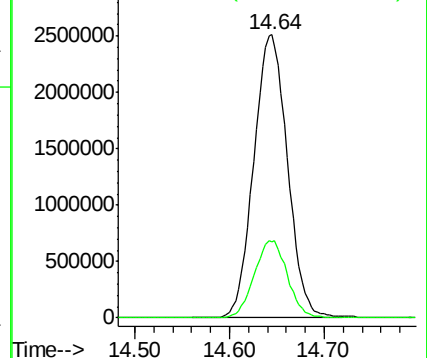
105 100

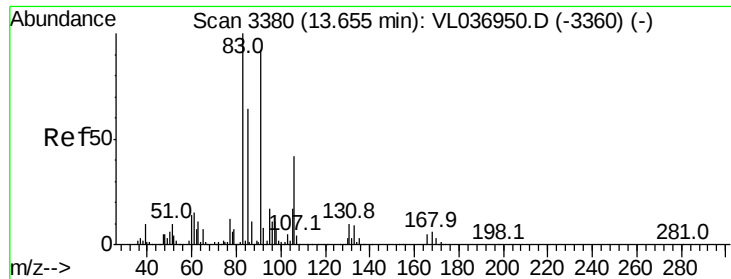
120 26.9 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





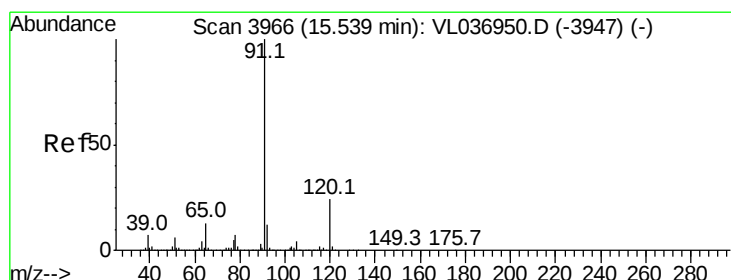
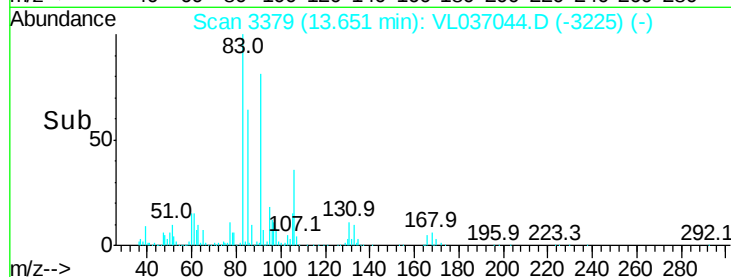
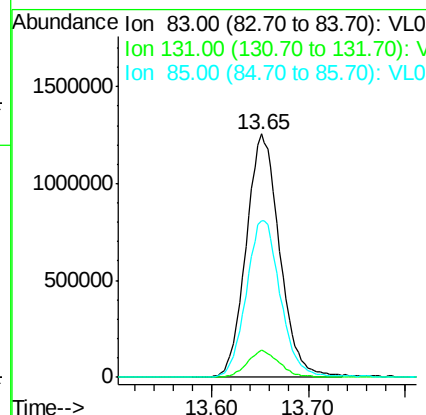
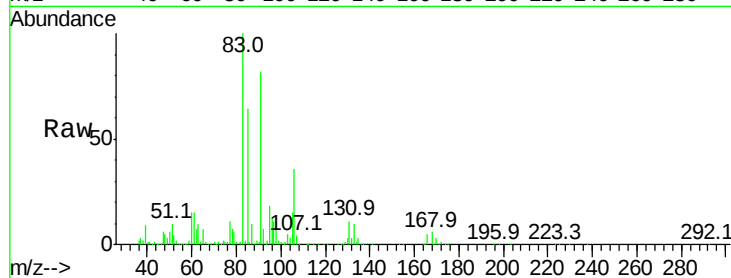
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.388 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 3021318
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.0 15.0
 85 66.0 32.9 98.6

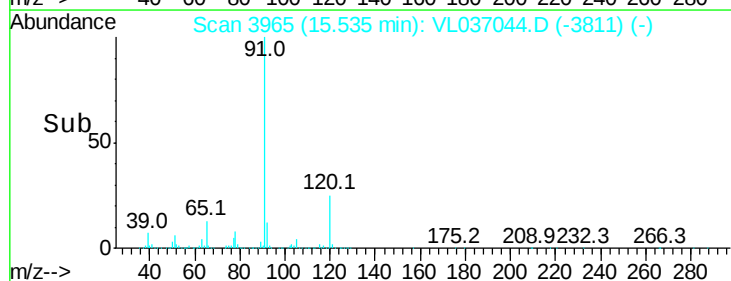
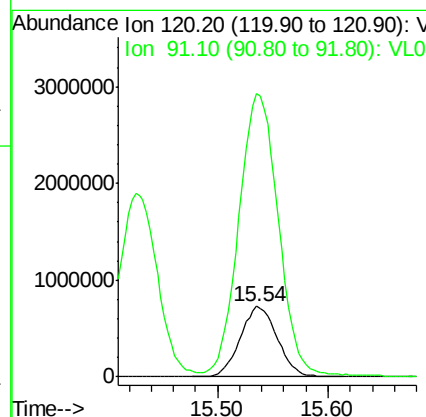
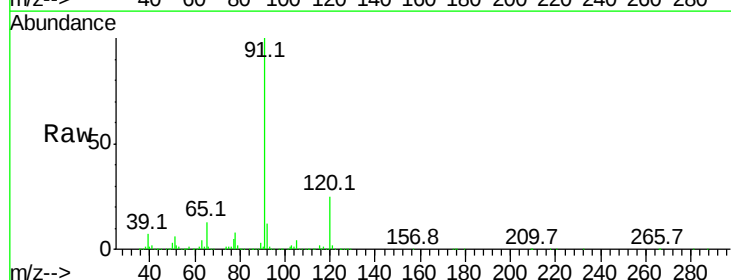
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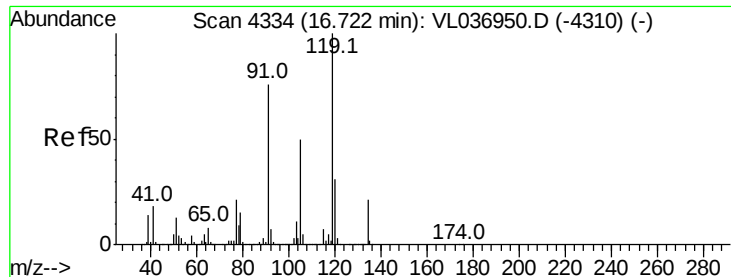
MMDadoda
 5/25/2021 6:00:21 PM



#64
 n-propylbenzene
 Concen: 10.656 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion: 120 Resp: 1702530
 Ion Ratio Lower Upper
 120 100
 91 429.0 343.8 515.6





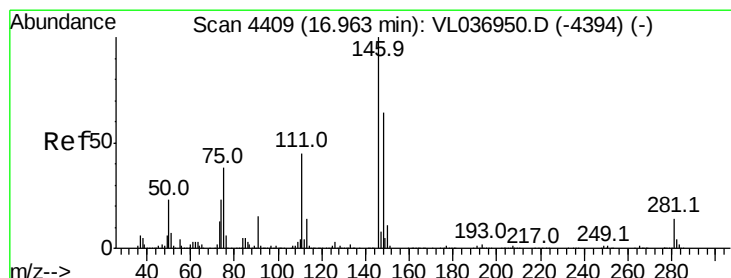
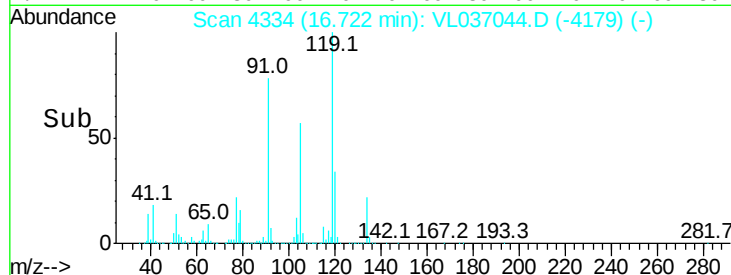
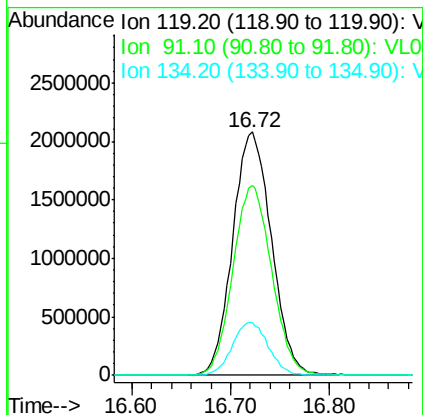
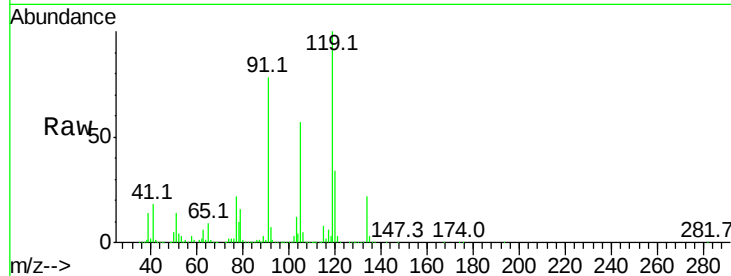
#65
tert-Butylbenzene
Concen: 10.146 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 5669586
Ion Ratio Lower Upper
119 100
91 78.3 61.9 92.9
134 20.3 16.2 24.4

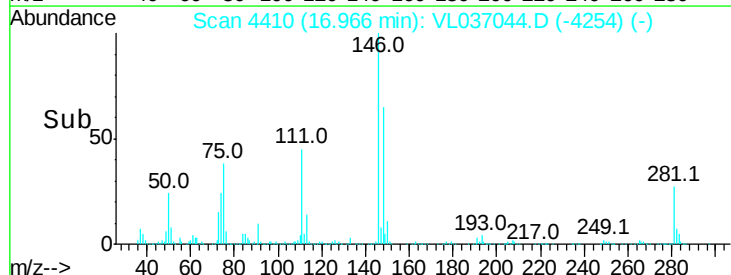
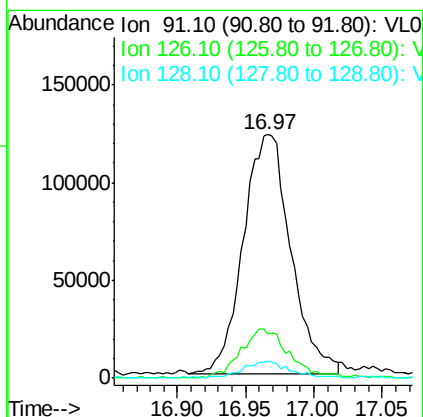
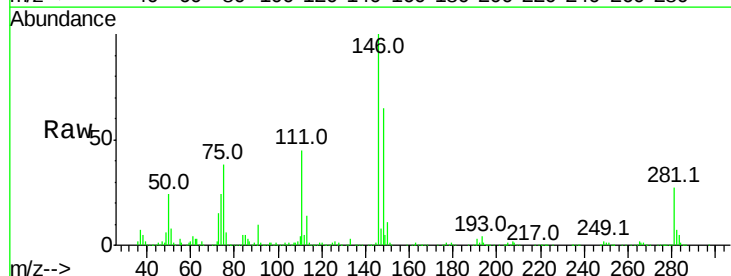
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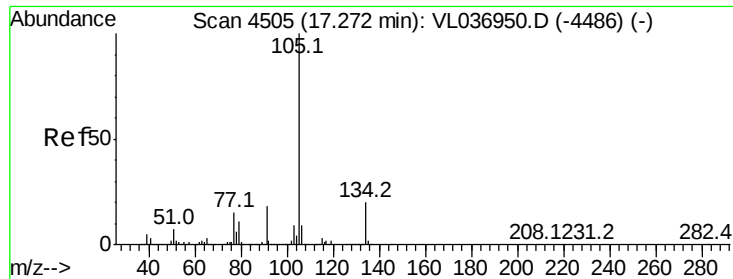
MMDadoda
5/25/2021 6:00:21 PM



#66
Benzyl Chloride
Concen: 9.523 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. 0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 91 Resp: 295262
Ion Ratio Lower Upper
91 100
126 21.7 16.5 24.7
128 7.3 5.5 8.3





#67

sec-Butylbenzene

Concen: 10.069 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 105 Resp: 7675377

Ion Ratio Lower Upper

105 100

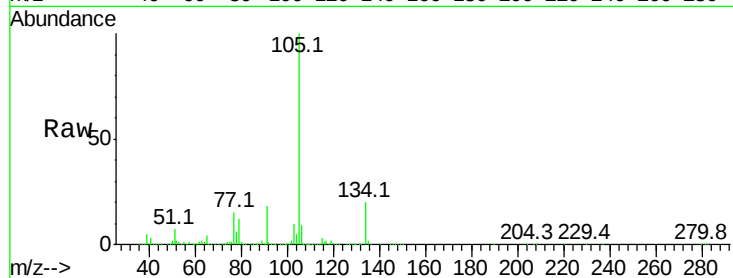
134 19.7 15.6 23.4

Manual Integrations

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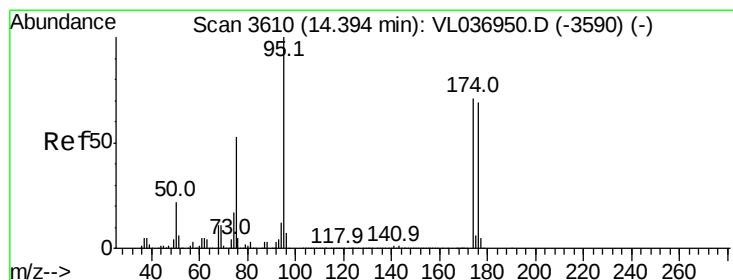
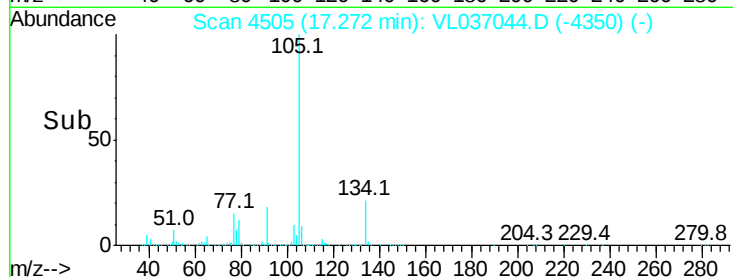
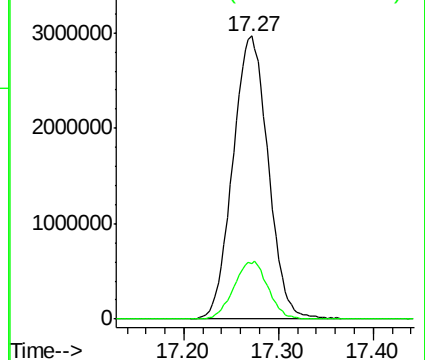
MMDadoda

5/25/2021 6:00:21 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.985 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

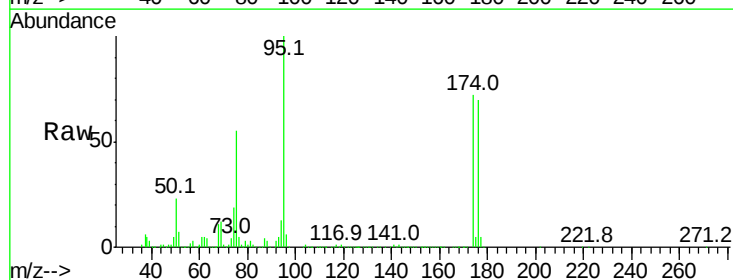
Tgt Ion: 95 Resp: 2904860

Ion Ratio Lower Upper

95 100

174 72.7 58.4 87.6

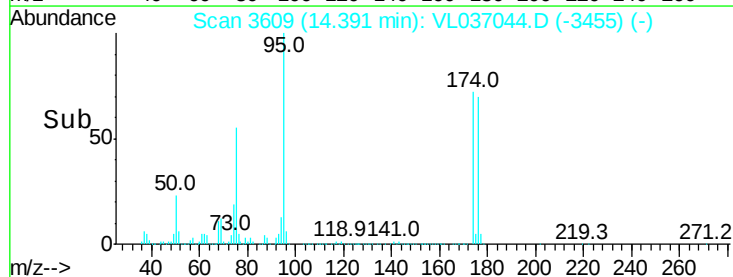
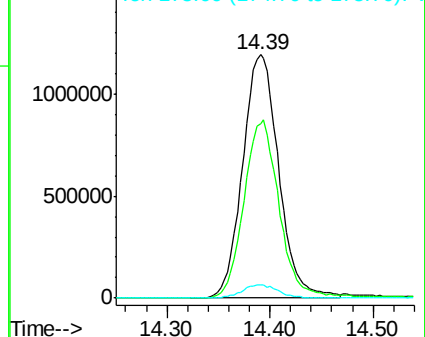
175 5.6 4.4 6.6

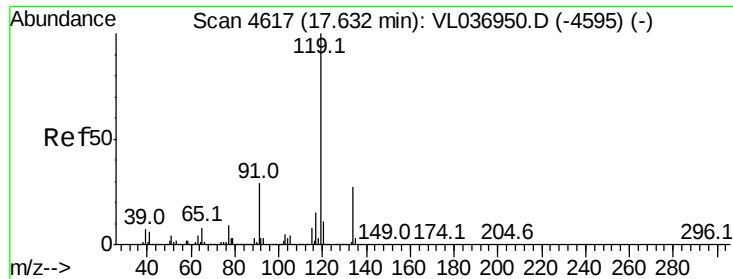


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





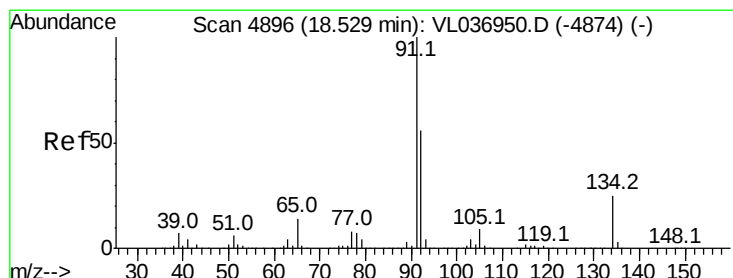
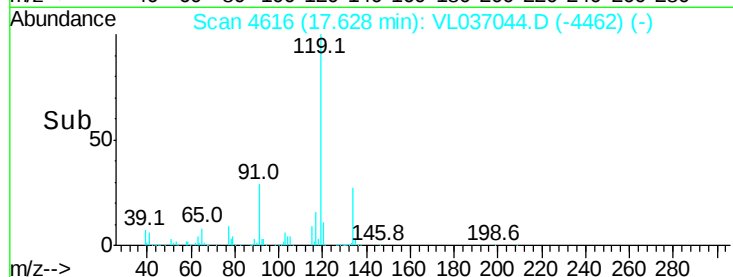
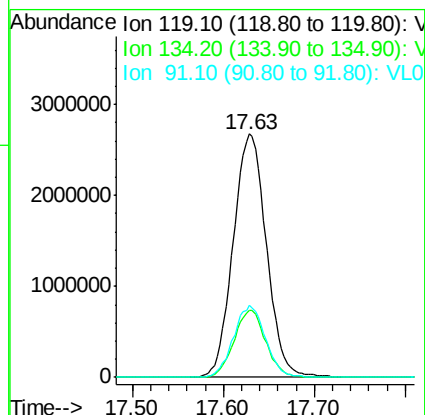
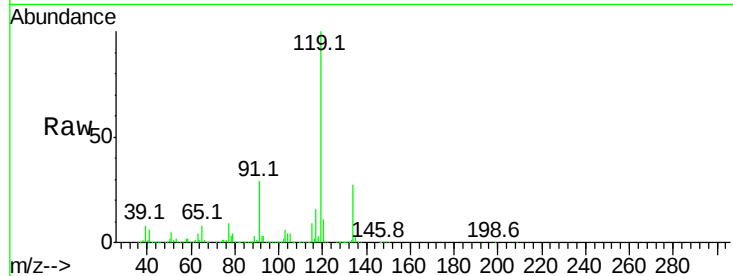
#69
p-Isopropyltoluene
Concen: 10.316 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	28.4	22.2	33.4

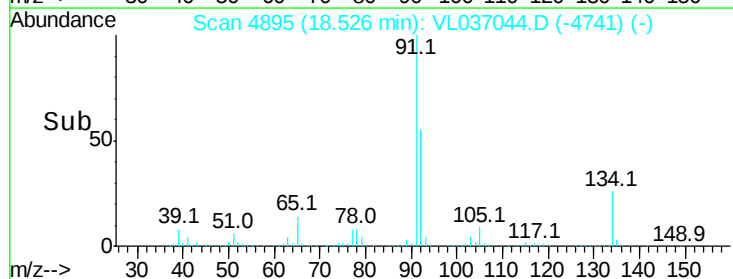
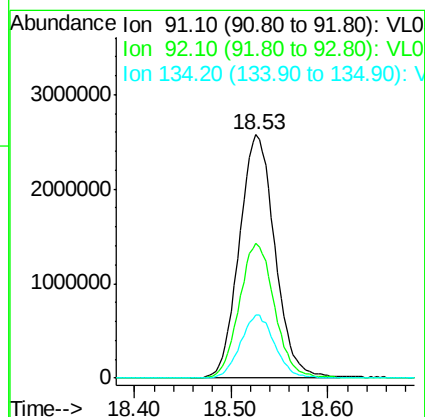
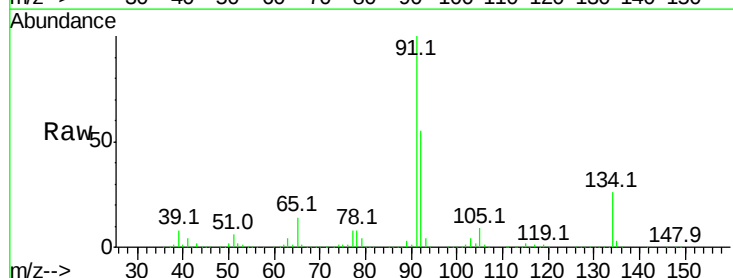
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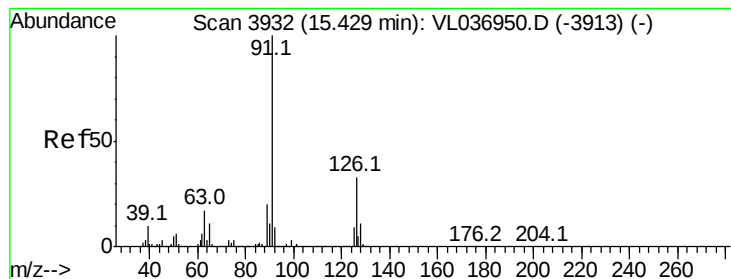
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5/25/2021 6:00:21 PM



#70
n-Butylbenzene
Concen: 10.581 ppbv
RT: 18.53 min Scan# 4895
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.6	66.8
134	25.3	20.2	30.2





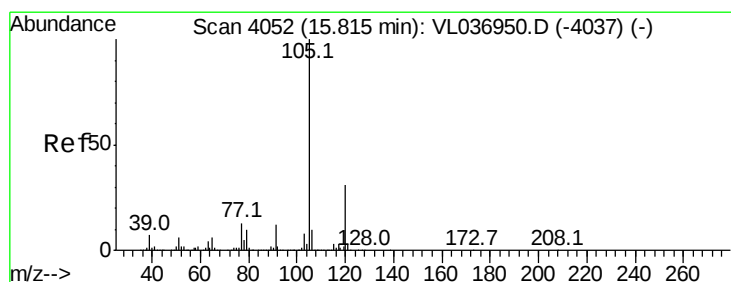
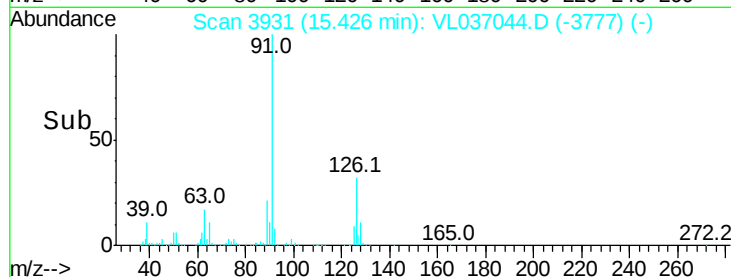
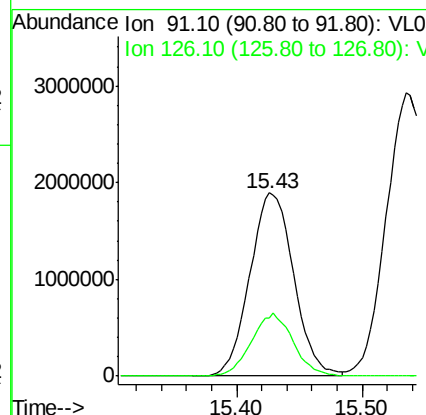
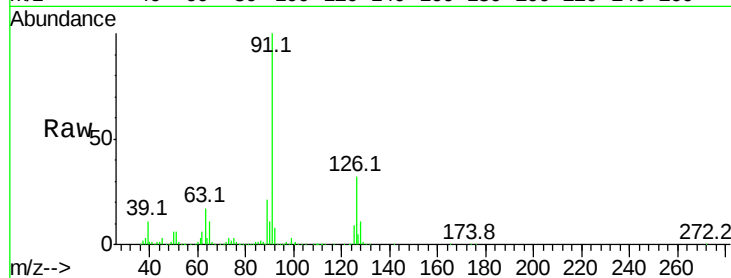
#71
 2-Chlorotoluene
 Concen: 10.298 ppbv
 RT: 15.43 min Scan# 3931
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 91 Resp: 4606236
 Ion Ratio Lower Upper
 91 100
 126 33.2 13.1 52.5

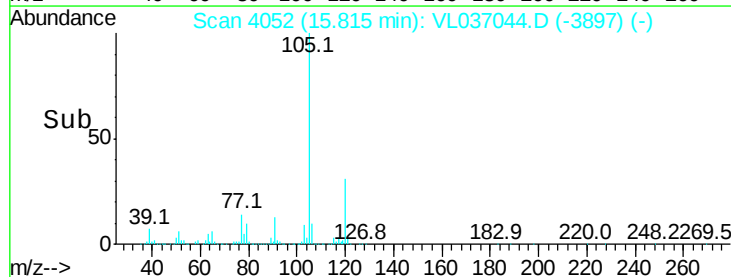
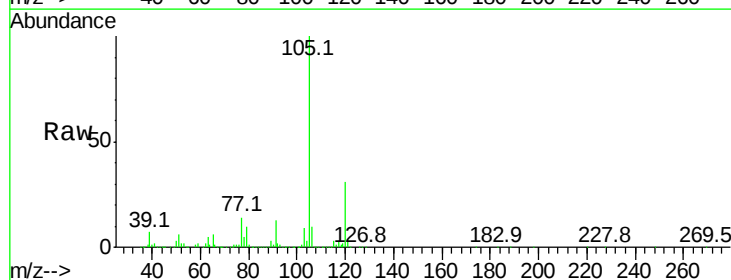
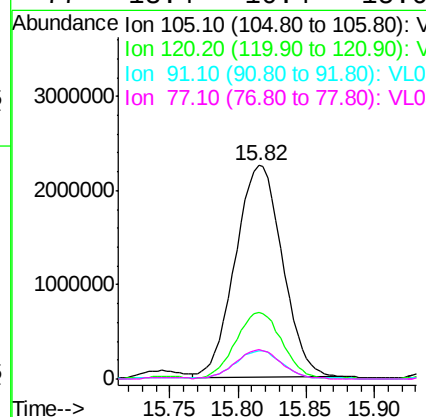
Manual Integrations
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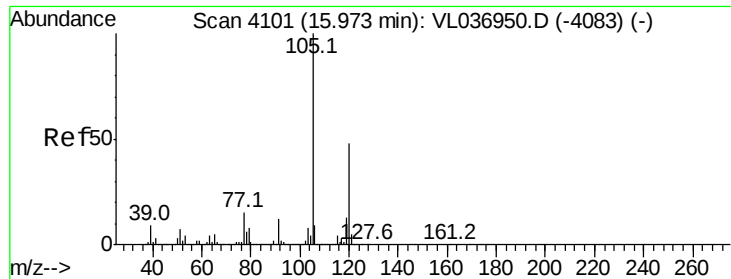
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#72
 4-Ethyltoluene
 Concen: 10.557 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion: 105 Resp: 5399088
 Ion Ratio Lower Upper
 105 100
 120 31.5 24.6 37.0
 91 12.8 9.8 14.6
 77 13.4 10.4 15.6





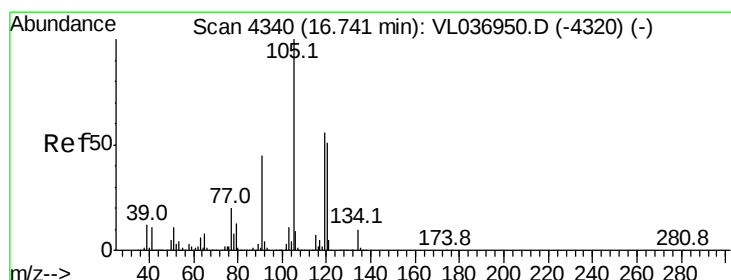
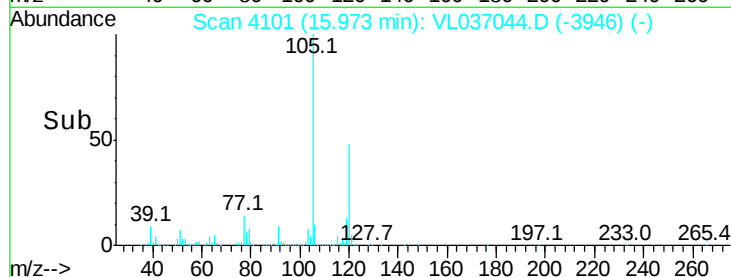
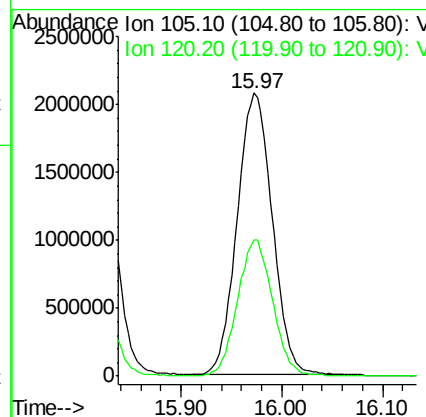
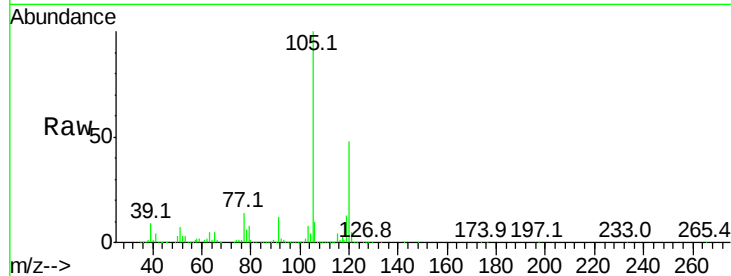
#73
 1,3,5-Trimethylbenzene
 Concen: 10.401 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 4995161
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.6 58.0

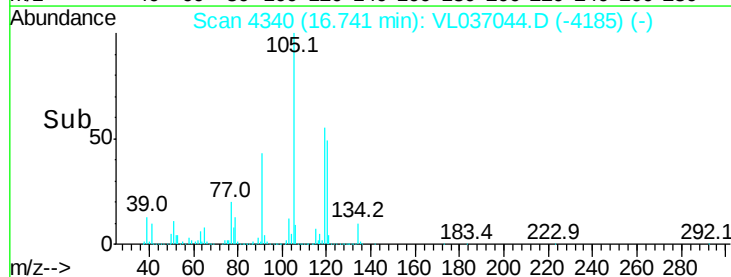
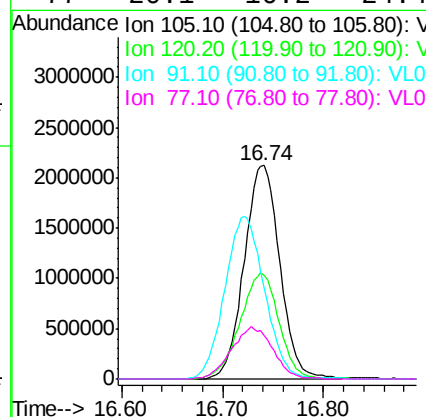
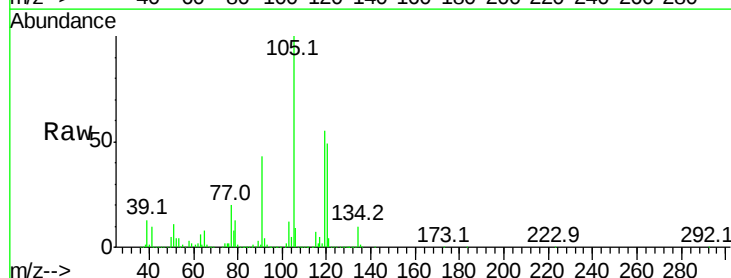
Manual Integrations
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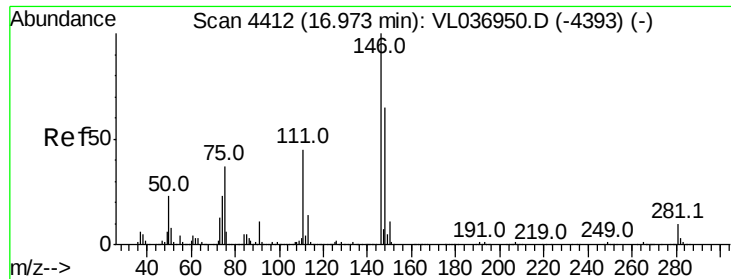
MMDadoda
 5/25/2021 6:00:21 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.459 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion:105 Resp: 5193607
 Ion Ratio Lower Upper
 105 100
 120 48.6 40.6 61.0
 91 42.4 37.4 56.0
 77 20.1 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 10.468 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 3174276

Ion Ratio Lower Upper

146 100

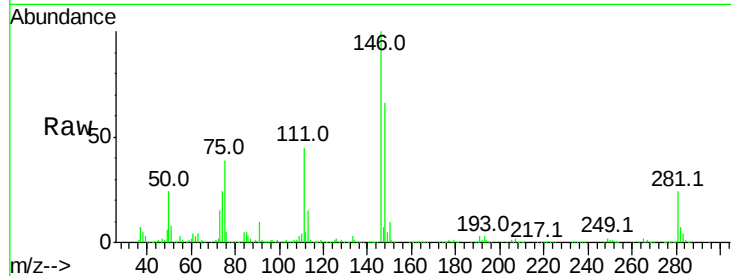
111 45.3 22.2 66.6

148 65.9 32.3 96.8

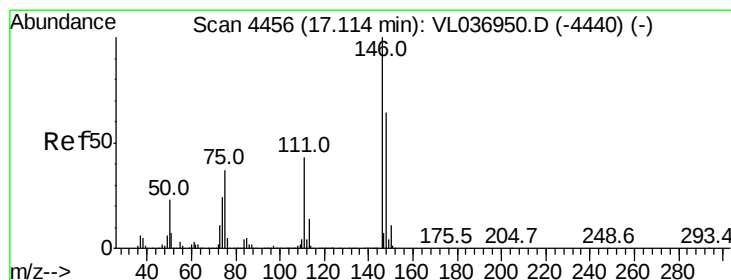
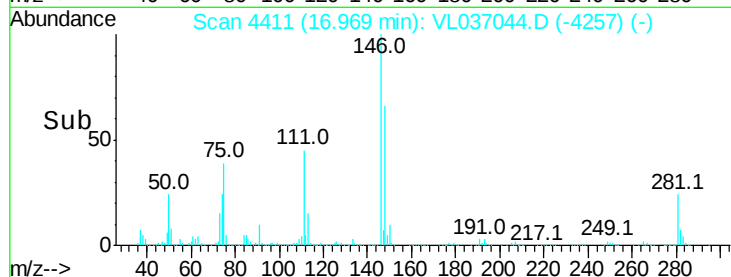
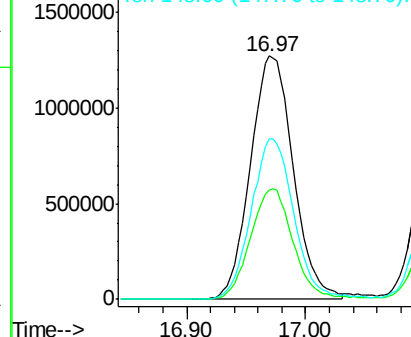
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.265 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

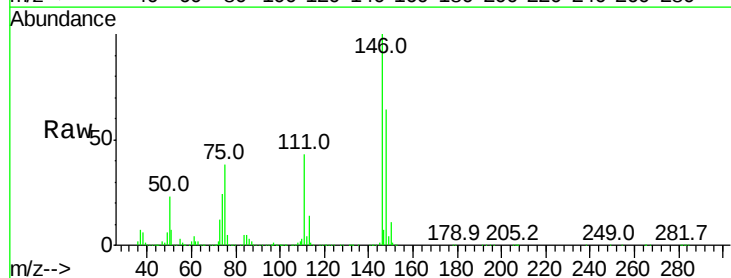
Tgt Ion:146 Resp: 3146912

Ion Ratio Lower Upper

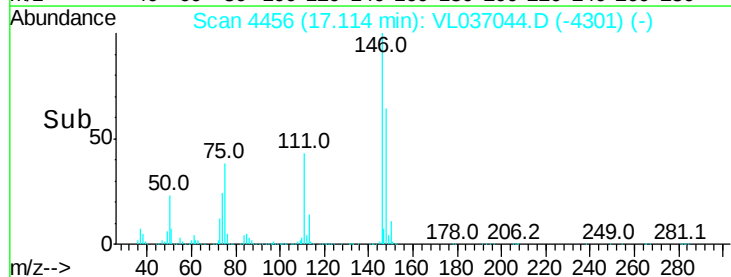
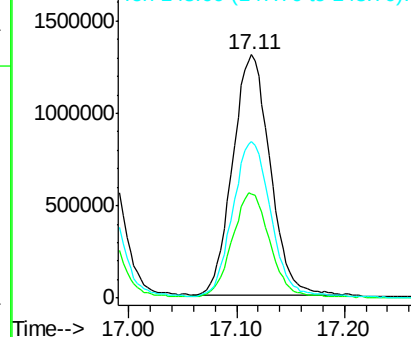
146 100

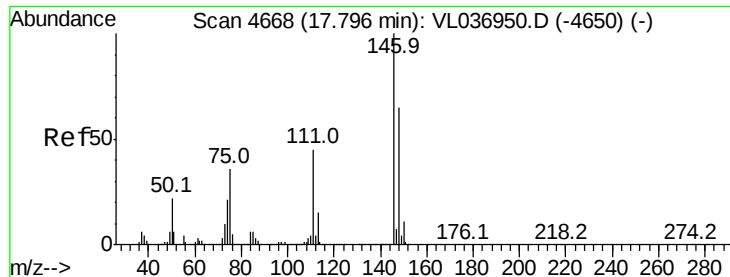
111 44.6 22.6 67.7

148 67.5 33.5 100.5



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





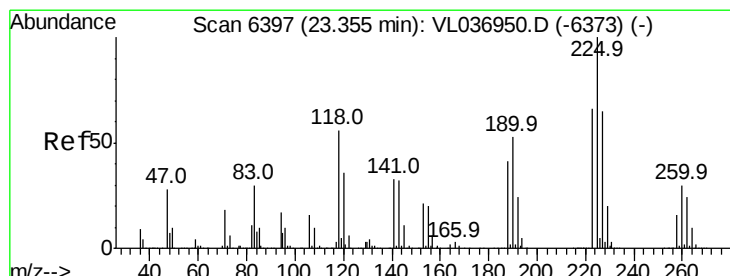
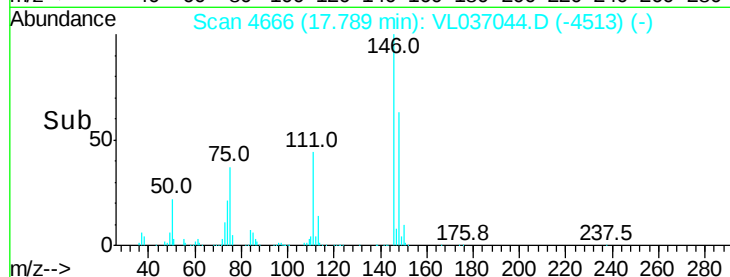
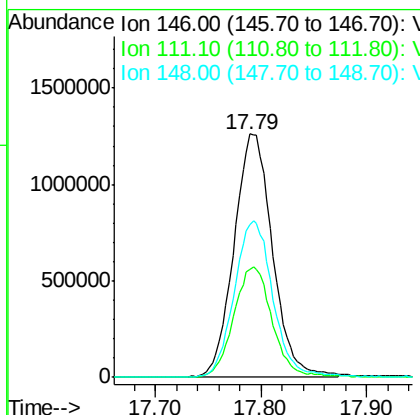
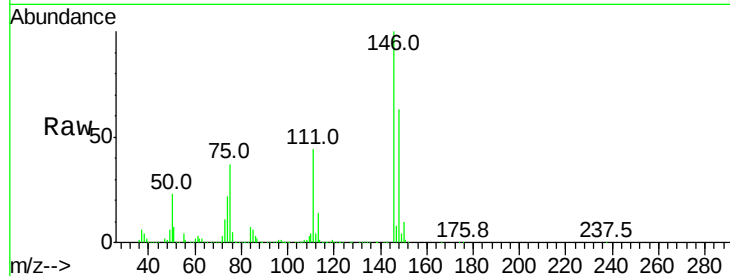
#77
 1,2-Dichlorobenzene
 Concen: 10.477 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.01 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 3183285
 Ion Ratio Lower Upper
 146 100
 111 45.8 23.1 69.2
 148 65.3 32.5 97.4

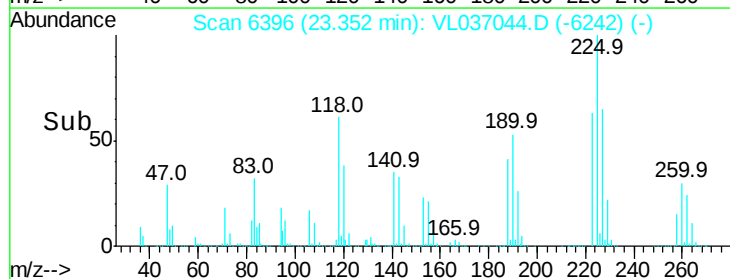
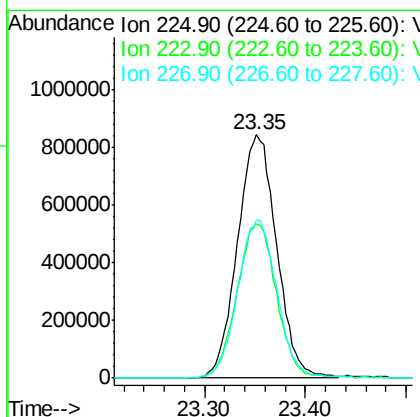
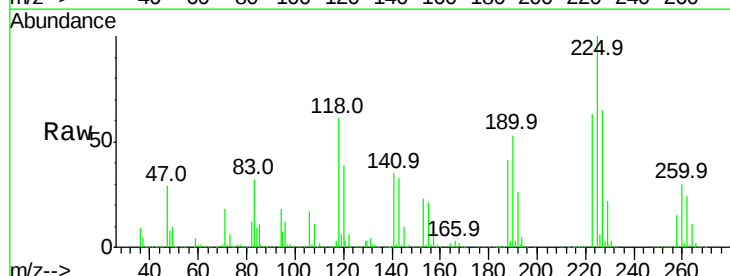
Manual Integrations
 APPROVED

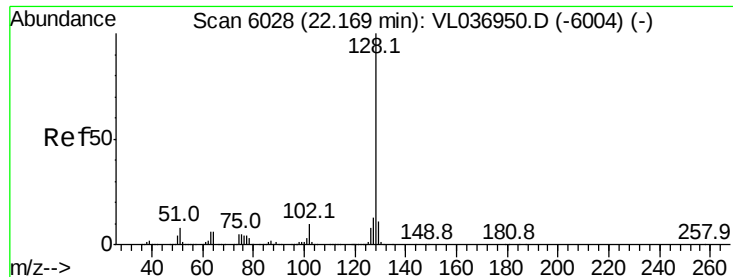
MMDadoda
 5/25/2021 6:00:21 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.298 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion:225 Resp: 2271655
 Ion Ratio Lower Upper
 225 100
 223 64.7 51.9 77.9
 227 65.4 51.8 77.6





#79

Naphthalene

Concen: 11.698 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 4557872

Ion Ratio Lower Upper

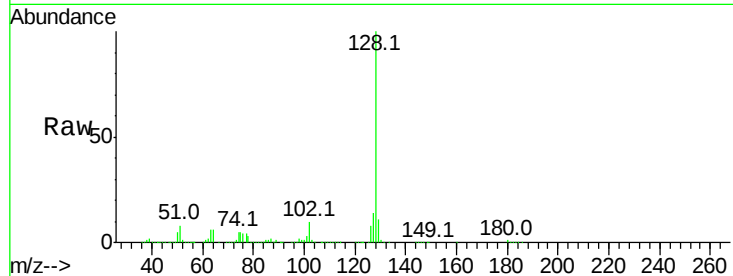
128 100

127 13.6 10.4 15.6

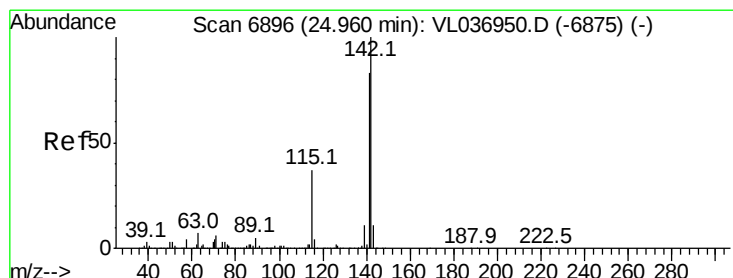
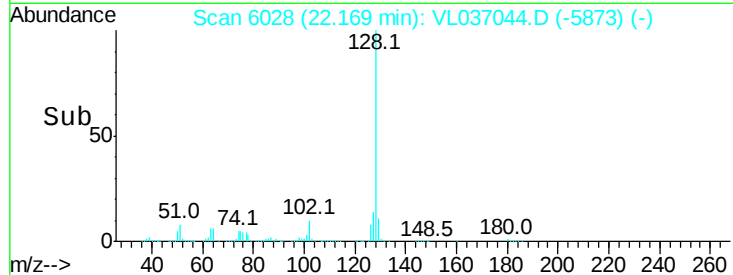
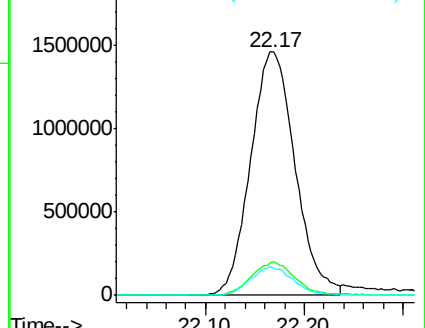
129 11.3 9.0 13.6

Manual Integrations
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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: 11.863 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

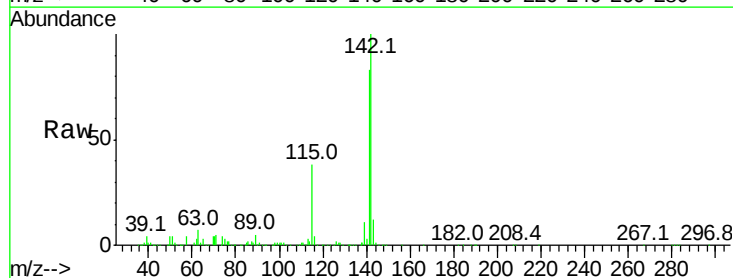
Tgt Ion:142 Resp: 1005067

Ion Ratio Lower Upper

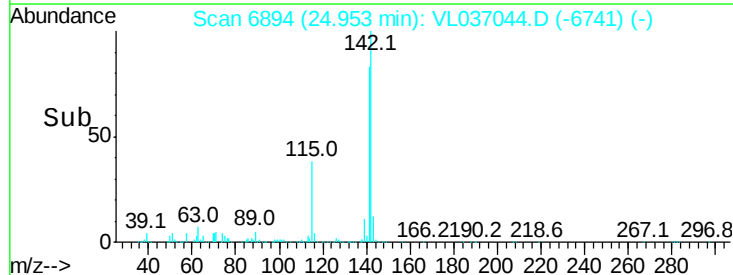
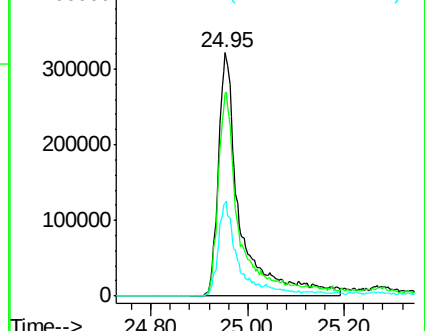
142 100

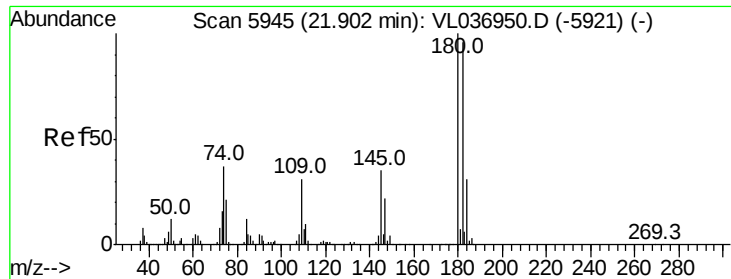
141 86.5 69.3 103.9

115 37.4 29.1 43.7



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: 11.085 ppbv

RT: 21.90 min Scan# 5944

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 2632902

Ion Ratio Lower Upper

180 100

182 100.4 81.7 122.5

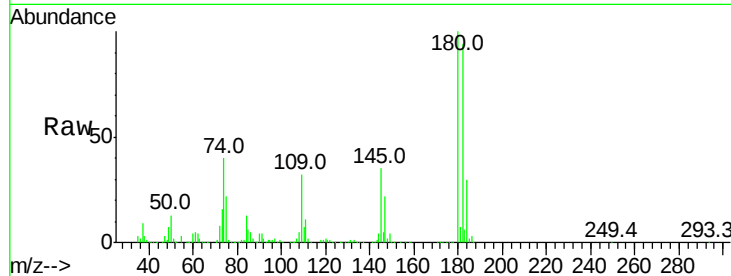
184 31.4 24.9 37.3

Manual Integrations

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5/25/2021 6:00:21 PM



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

