

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037098.D
 Acq On : 2 Jun 2021 11:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 3:00:25 PM

Quant Time: Jun 03 03:28:55 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	1436967	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4321708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4038498m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3184872	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1893972	7.769	ppbv	99
3) Chlorodifluoromethane	2.97	51	2614843	9.933	ppbv	96
4) Chloromethane	3.12	50	897538	10.019	ppbv	96
5) Vinyl Chloride	3.24	62	965423	9.859	ppbv	99
6) Bromomethane	3.46	94	540839	10.482	ppbv	98
7) Chloroethane	3.55	64	350691	11.030	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	2364954	10.333	ppbv	96
9) Propene	3.00	41	837295	8.882	ppbv	99
10) Heptane	8.10	43	2138279	9.102	ppbv	99
11) Trichlorofluoromethane	3.93	101	2577398	11.423	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1745539	10.861	ppbv	94
13) Ethanol	3.60	45	104215m	8.286	ppbv	
14) Bromoethene	3.72	108	768077	10.850	ppbv	99
15) Acetone	3.84	43	1305957	8.873	ppbv	95
16) 1,3-Butadiene	3.31	39	932220	10.195	ppbv	98
17) tert-Butyl alcohol	4.28	59	1247588	9.254	ppbv	99
18) 1,1-Dichloroethene	4.27	96	794144	10.686	ppbv	96
19) Isopropyl Alcohol	3.95	45	741393	9.371	ppbv #	37
20) Methylene Chloride	4.33	84	676818	8.579	ppbv	99
21) Allyl Chloride	4.39	41	1106237	9.963	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	800137	11.234	ppbv	99
23) Vinyl Acetate	5.06	43	2169211	9.285	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1632944	9.711	ppbv	99
25) Ethyl Acetate	5.66	43	3289543	9.301	ppbv	100
26) Hexane	5.67	57	1624882	8.993	ppbv	98
27) Carbon Disulfide	4.53	76	1745826	9.587	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1902724	8.786	ppbv	98
29) Chloroform	5.74	83	2639020	10.339	ppbv	96
30) Cyclohexane	7.11	84	1427150	9.295	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1612687	9.955	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2768725	10.101	ppbv	99
34) 2-Butanone	5.23	43	1526105	9.698	ppbv	100
35) Carbon Tetrachloride	7.00	117	2975925	10.364	ppbv	98
36) Benzene	6.87	78	3367946	9.047	ppbv	98
37) 1,2-Dichloroethane	6.29	62	2000870	10.841	ppbv	99
38) Trichloroethene	7.82	130	1444881	9.073	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1285952	8.968	ppbv	95
40) 1,4-Dioxane	7.82	88	290270	8.573	ppbv #	100
41) Tetrahydrofuran	6.03	42	748450	8.351	ppbv	96
42) Bromodichloromethane	7.77	83	2842079	10.179	ppbv	99
43) Methyl Methacrylate	8.00	69	1207015	9.408	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5570481	8.722	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	971450	9.911	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1237693	9.388	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1449273	9.656	ppbv	97
48) Dibromochloromethane	10.28	129	2591144	10.662	ppbv	100
49) Bromoform	13.02	173	2157547	10.750	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2397508	9.233	ppbv	99
51) 2-Hexanone	10.12	43	1275735	9.293	ppbv #	97
52) Tetrachloroethene	11.20	164	1400509	9.461	ppbv	98
53) Toluene	9.78	91	4052575	9.149	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2165257	10.147	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1775901	10.451	ppbv #	56
57) Chlorobenzene	12.13	112	3097430	9.892	ppbv	97
58) Ethyl Benzene	12.69	91	5440182	9.544	ppbv	98
59) m/p-Xylene	12.98	91	9203006m	19.533	ppbv	
60) o-Xylene	13.67	91	4393874	9.778	ppbv	99
61) Styrene	13.51	104	2569044	10.148	ppbv	99
62) Isopropylbenzene	14.64	105	6211243	9.618	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2987106	8.901	ppbv	99
64) n-propylbenzene	15.55	120	1703701	10.225	ppbv	99
65) tert-Butylbenzene	16.73	119	5724640	9.824	ppbv	99
66) Benzyl Chloride	16.97	91	263373	8.146	ppbv	96
67) sec-Butylbenzene	17.27	105	7665597	9.643	ppbv	99
69) p-Isopropyltoluene	17.63	119	6813486	9.968	ppbv	99
70) n-Butylbenzene	18.53	91	6603770	10.170	ppbv	99
71) 2-Chlorotoluene	15.43	91	4566909	9.791	ppbv	99
72) 4-Ethyltoluene	15.82	105	5469993	10.256	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5040132	10.064	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	5263744	10.165	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	3279847	10.372	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3211896	10.046	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3198115	10.093	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2320287	9.107	ppbv	100
79) Naphthalene	22.17	128	4577555	11.266	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1023200	11.581	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	2603543	10.511	ppbv	100

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

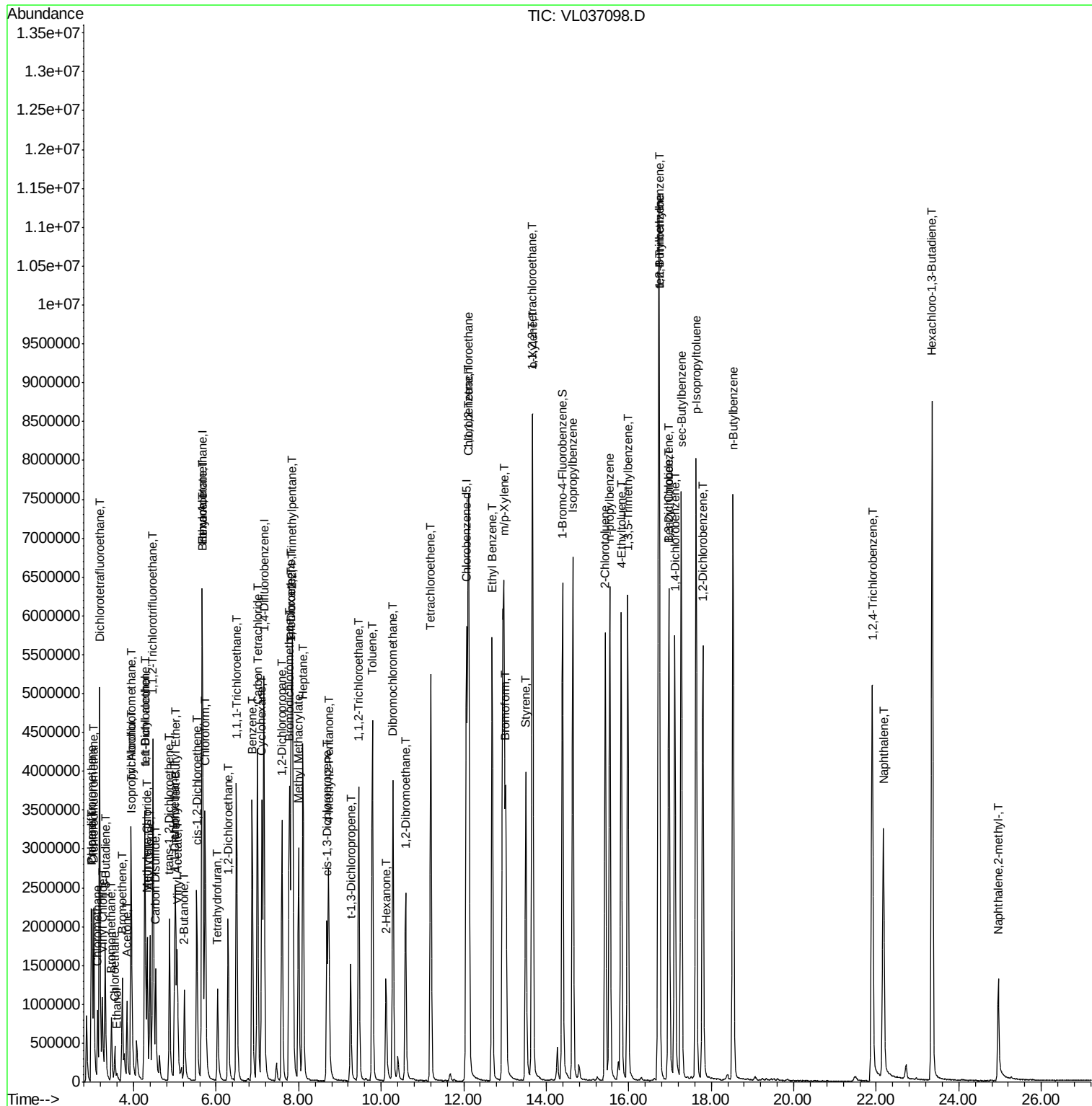
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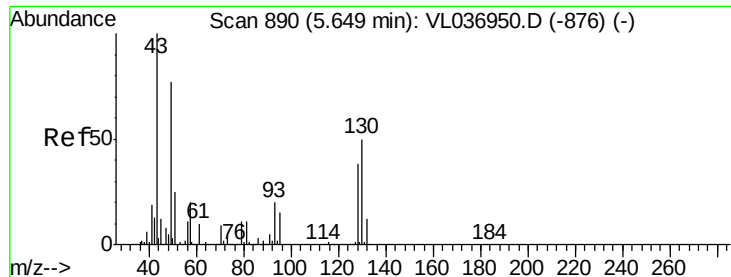
Instrument :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1436967

Ion Ratio Lower Upper

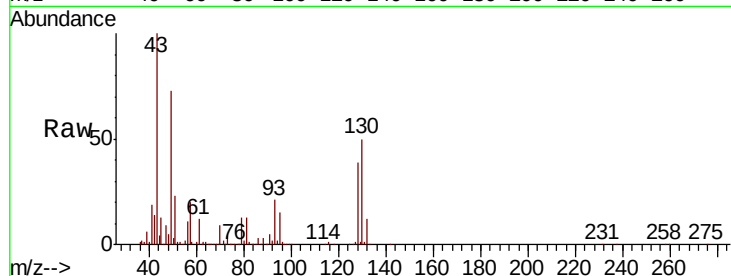
49 100

128 58.5 26.9 80.7

130 72.6 33.8 101.4

Manual Integrations
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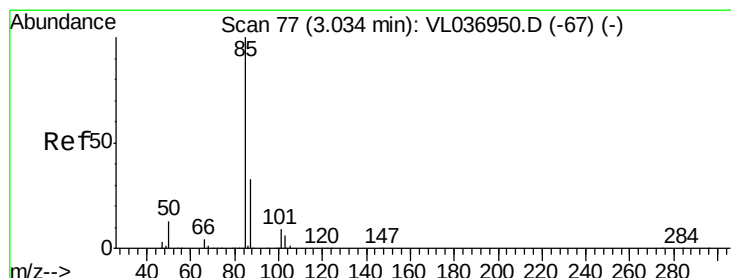
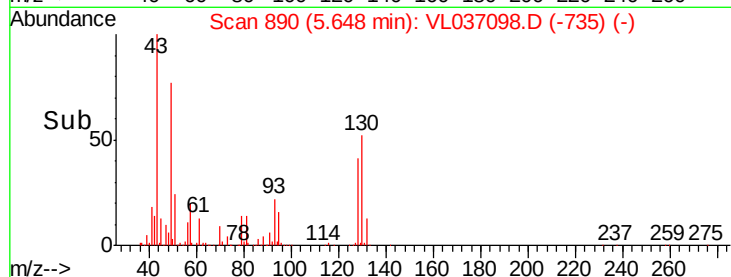
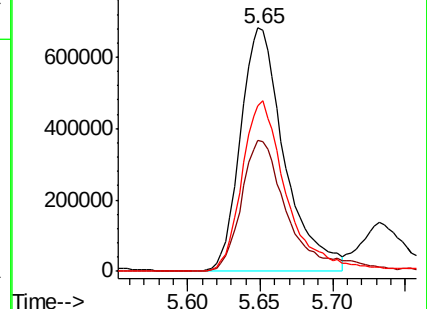
MMDadoda
6/7/2021 3:00:25 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.769 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL037098.D

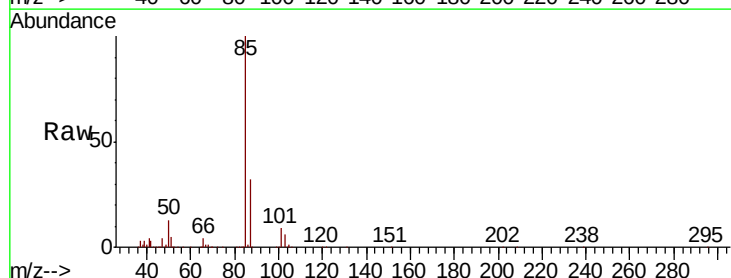
Acq: 2 Jun 2021 11:10

Tgt Ion: 85 Resp: 1893972

Ion Ratio Lower Upper

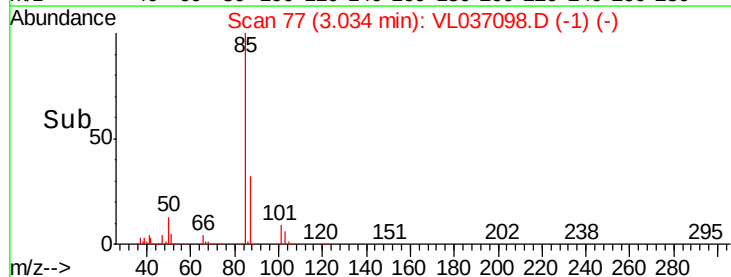
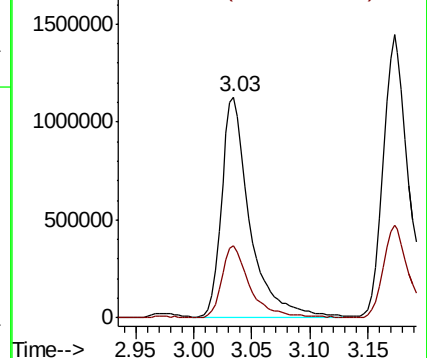
85 100

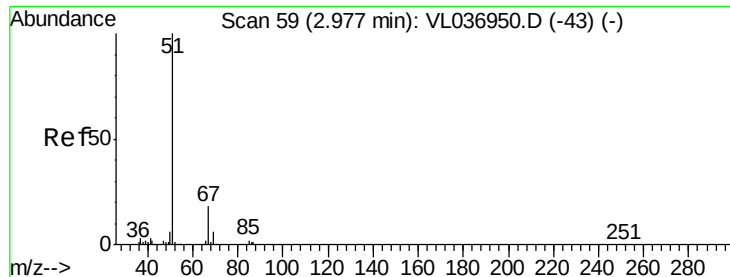
87 32.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.933 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 2614843

Ion Ratio Lower Upper

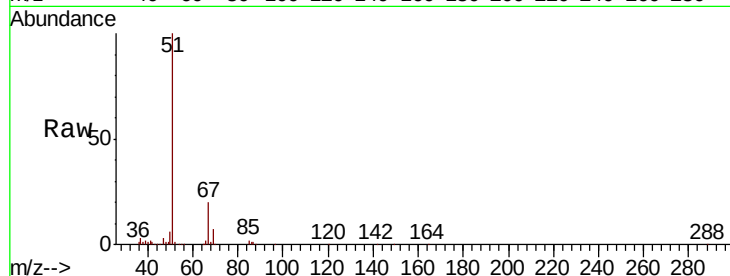
51 100

67 20.0 14.6 21.8

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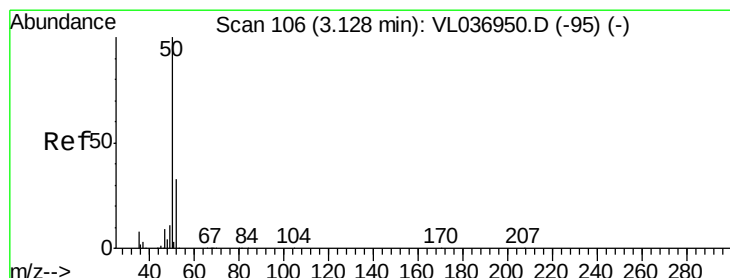
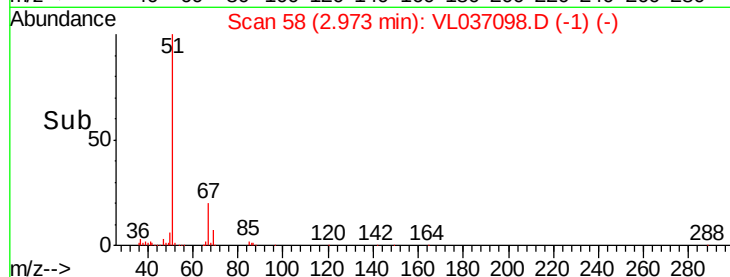
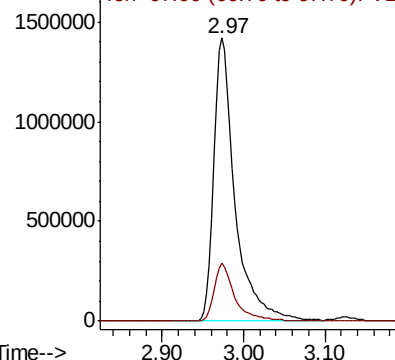
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.019 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037098.D

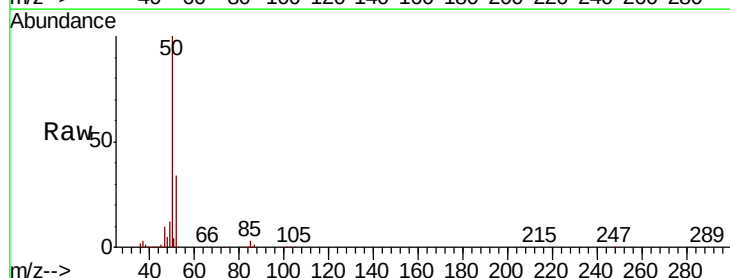
Acq: 2 Jun 2021 11:10

Tgt Ion: 50 Resp: 897538

Ion Ratio Lower Upper

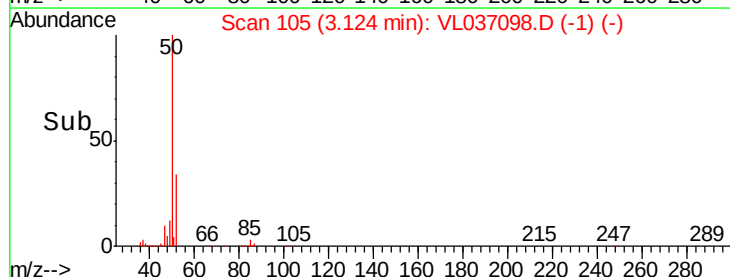
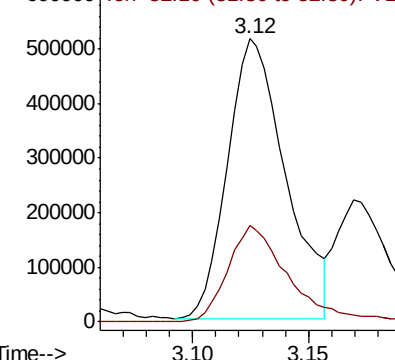
50 100

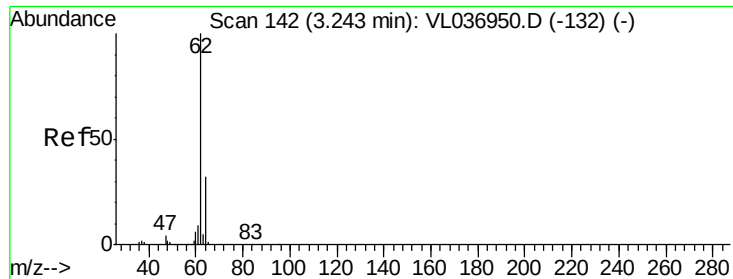
52 34.6 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.859 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 965423

Ion Ratio Lower Upper

62 100

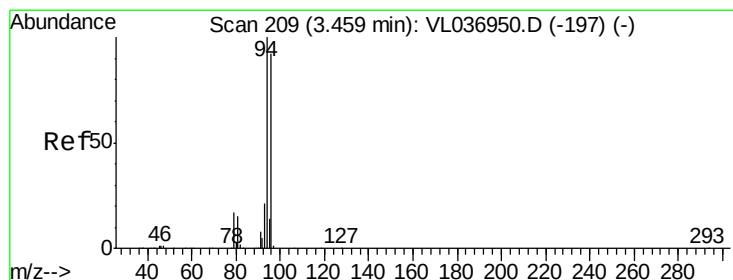
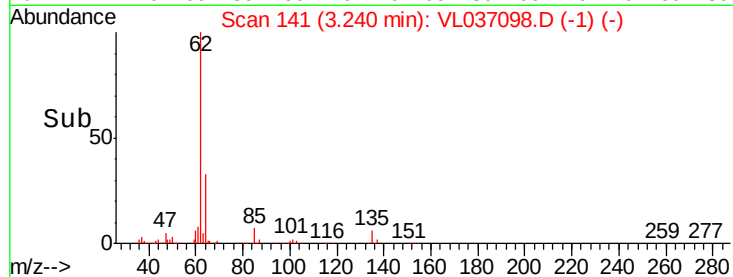
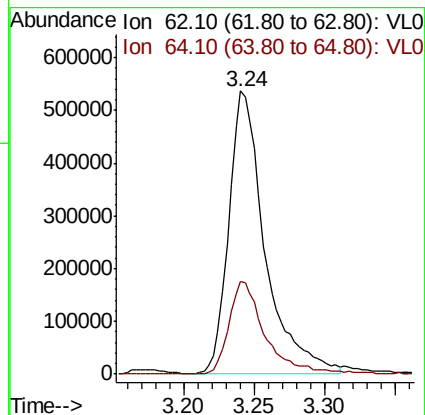
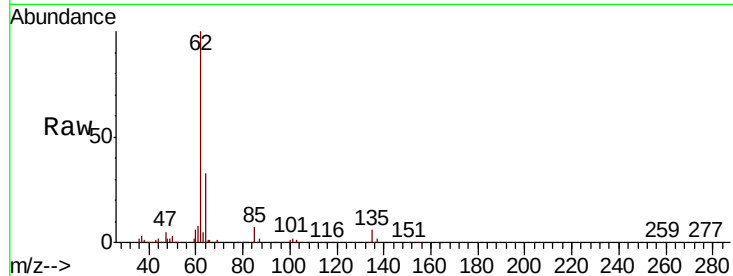
64 32.7 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 10.482 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037098.D

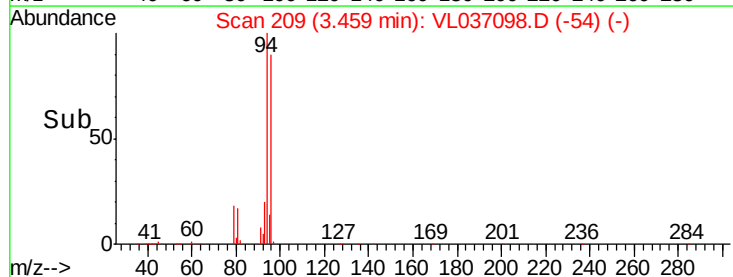
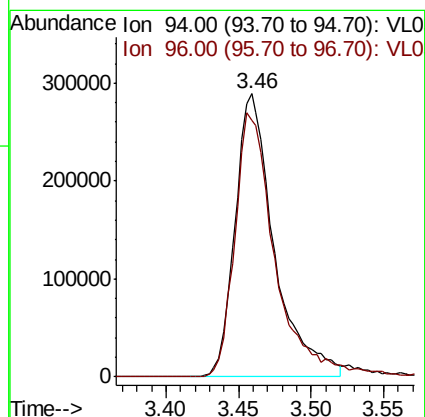
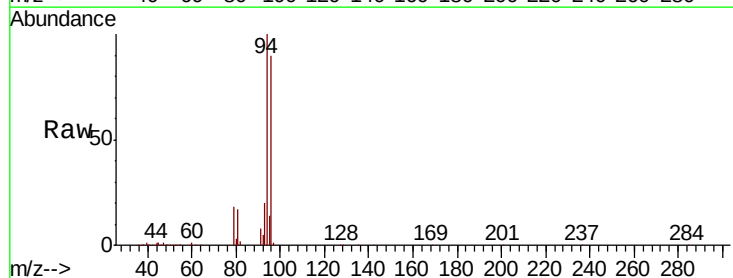
Acq: 2 Jun 2021 11:10

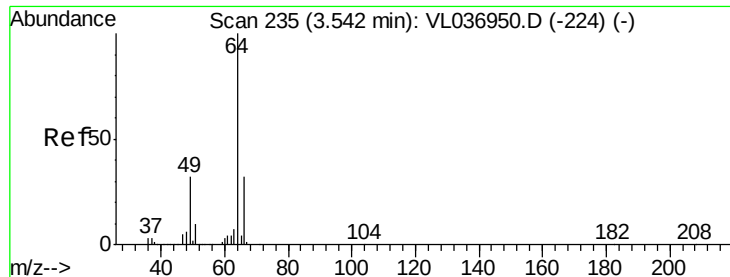
Tgt Ion: 94 Resp: 540839

Ion Ratio Lower Upper

94 100

96 90.4 74.0 111.0





#7

Chloroethane

Concen: 11.030 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 350691

Ion Ratio Lower Upper

64 100

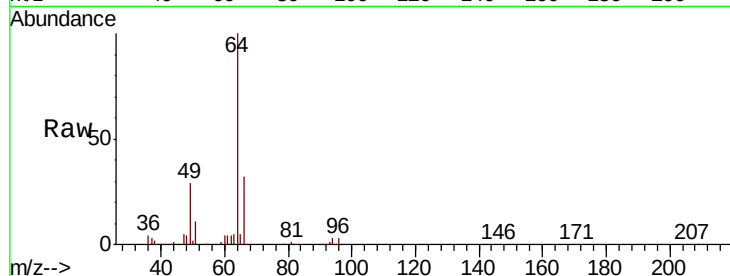
66 31.7 25.4 38.2

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

100000

50000

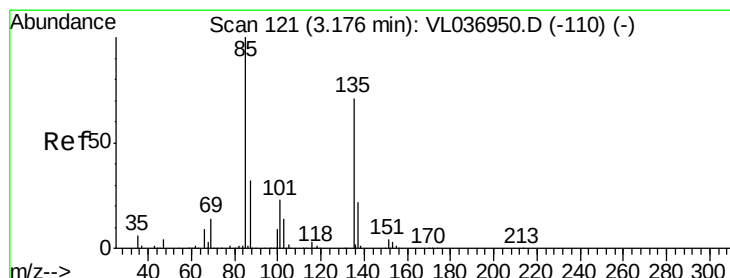
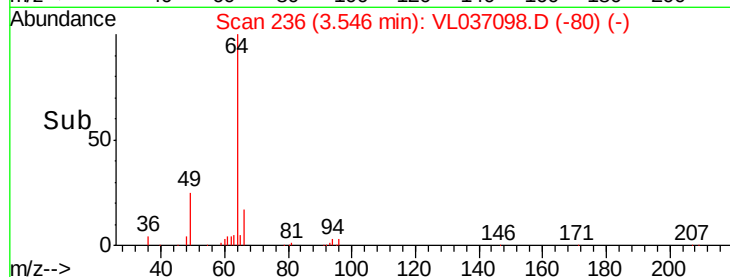
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.333 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL037098.D

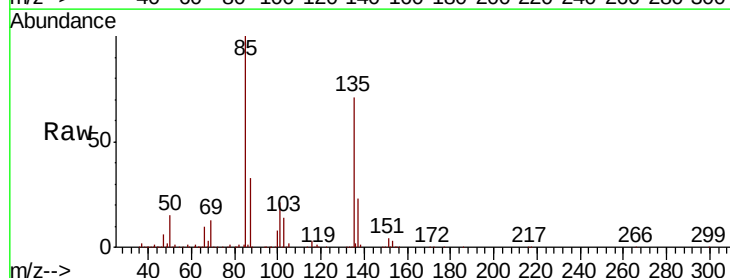
Acq: 2 Jun 2021 11:10

Tgt Ion: 85 Resp: 2364954

Ion Ratio Lower Upper

85 100

135 75.2 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

0

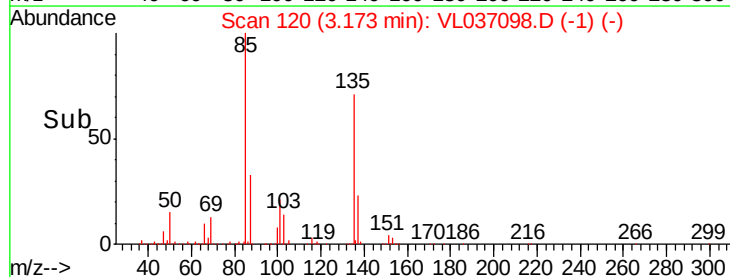
3.10

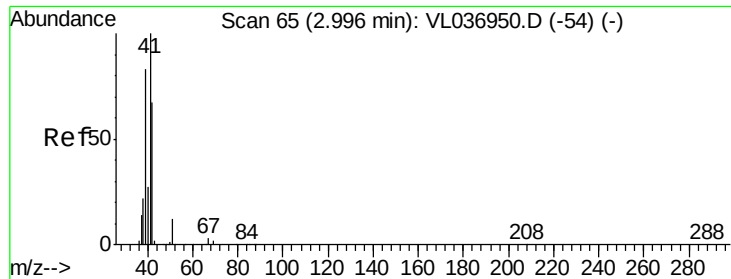
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 8.882 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 837295

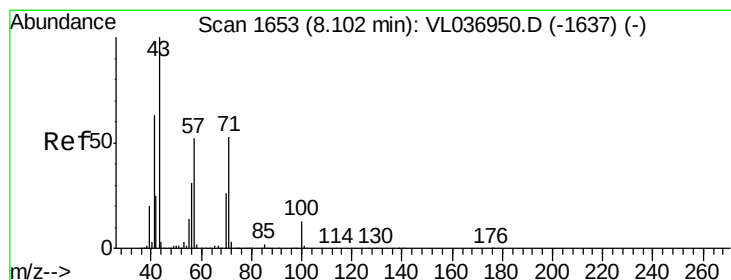
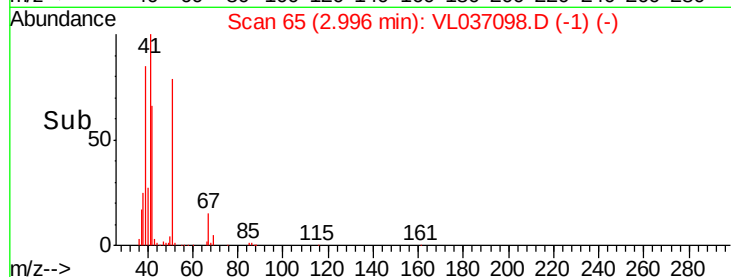
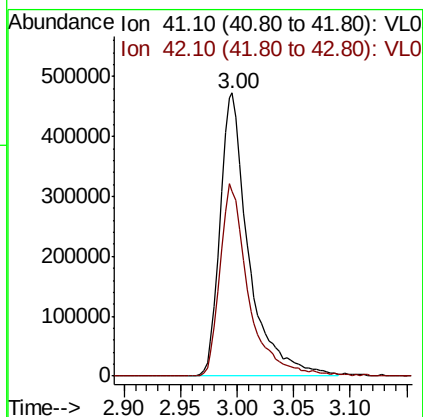
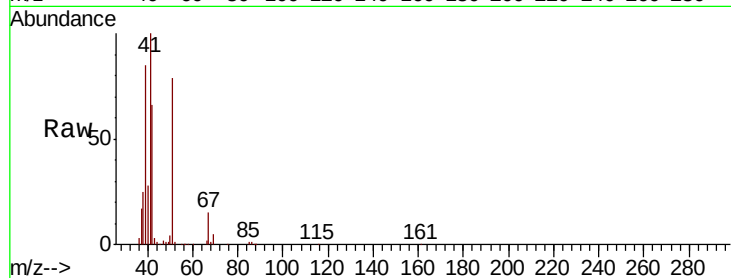
Ion Ratio Lower Upper

41 100

42 68.1 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 9.102 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037098.D

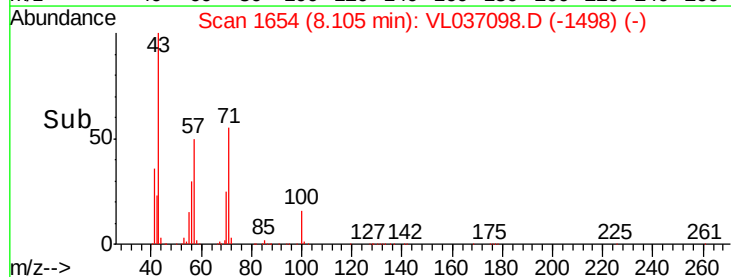
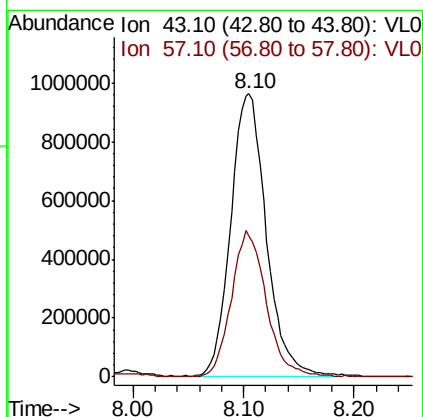
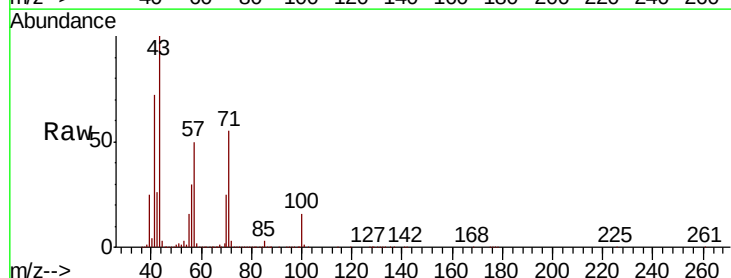
Acq: 2 Jun 2021 11:10

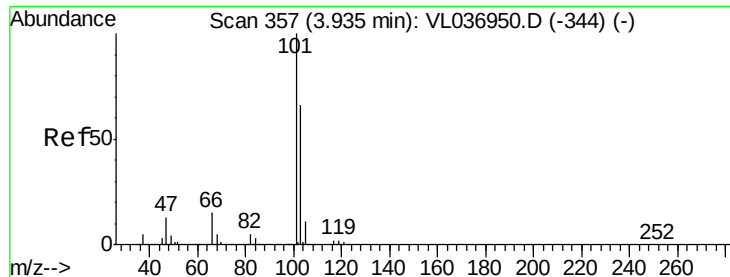
Tgt Ion: 43 Resp: 2138279

Ion Ratio Lower Upper

43 100

57 50.7 41.0 61.6





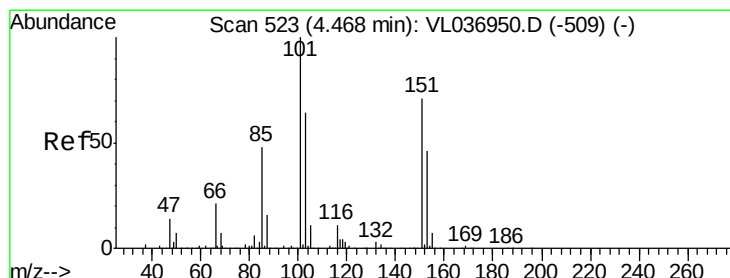
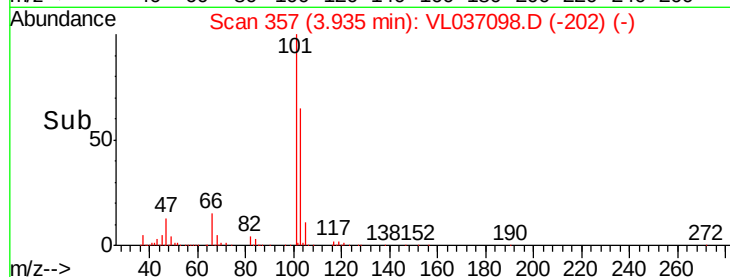
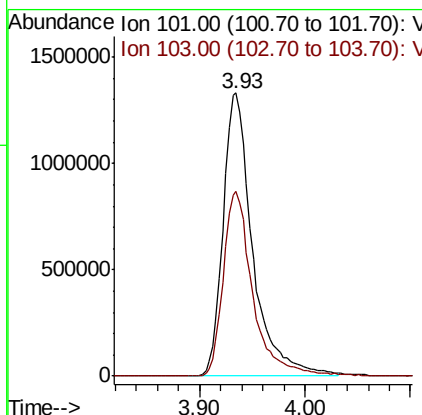
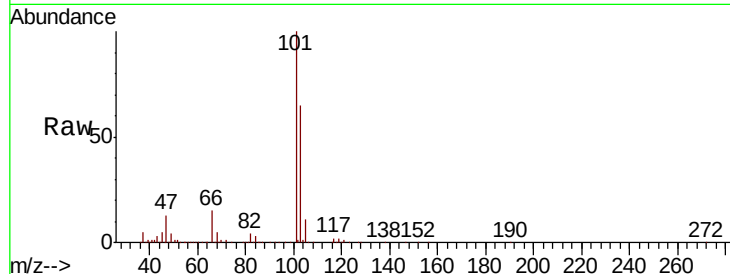
#11
 Trichlorofluoromethane
 Concen: 11.423 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2577398
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 79.0

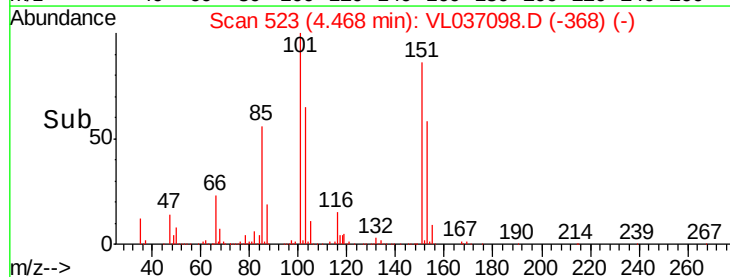
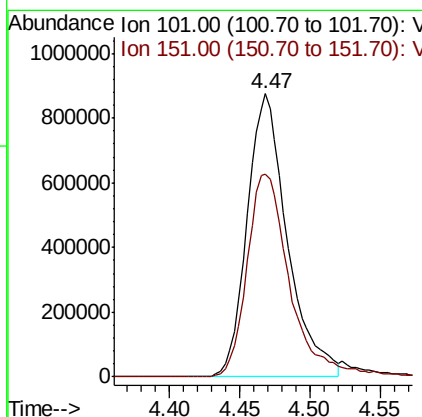
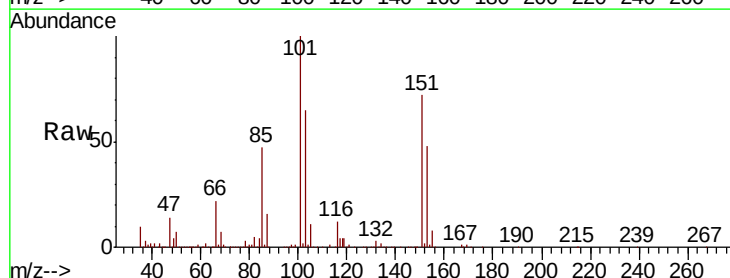
Manual Integrations
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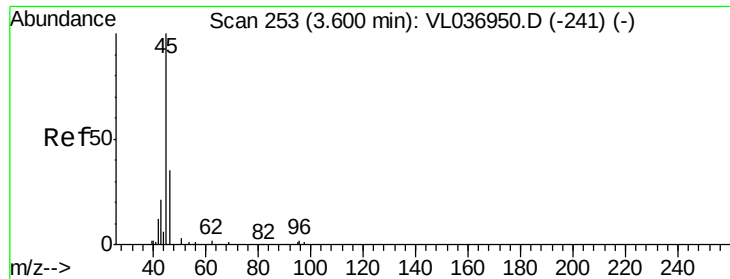
MMDadoda
 6/7/2021 3:00:25 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.861 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion:101 Resp: 1745539
 Ion Ratio Lower Upper
 101 100
 151 77.1 57.7 86.5





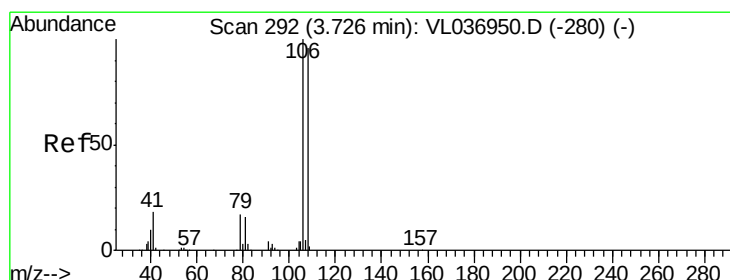
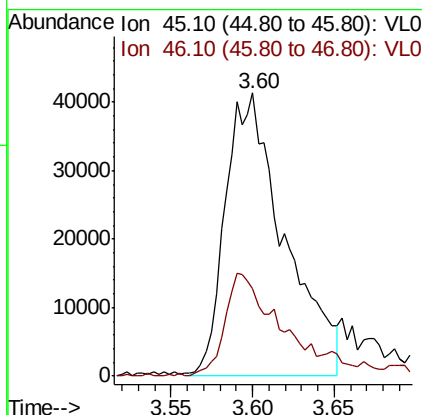
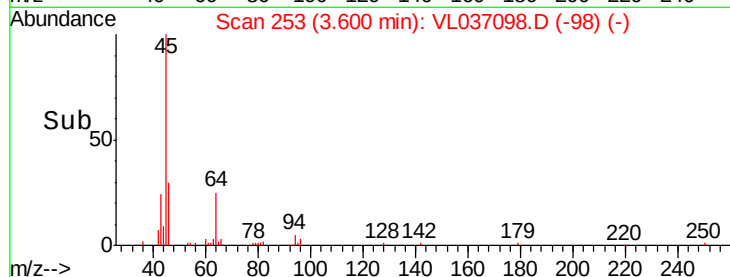
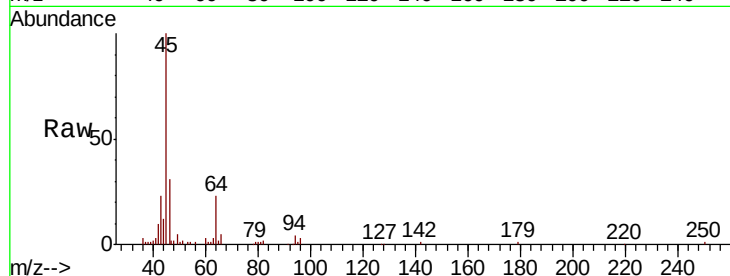
#13
Ethanol
Concen: 8.286 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.3	65.3#

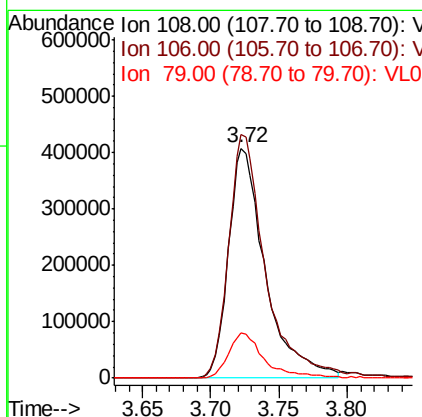
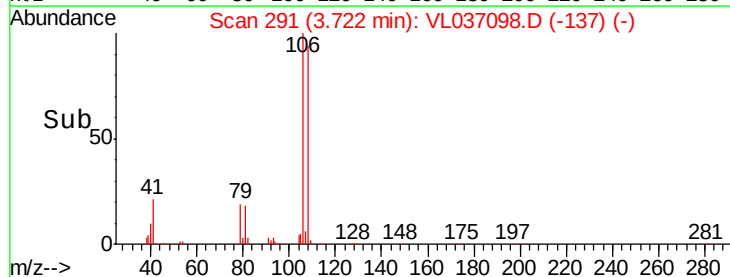
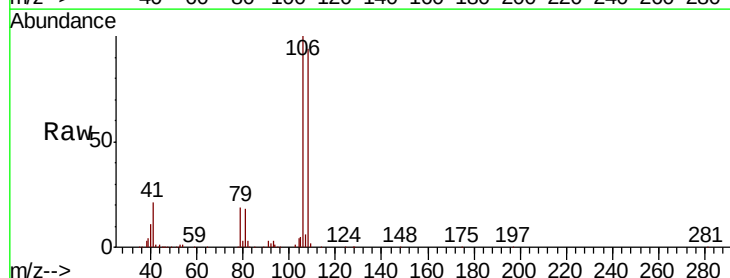
Manual Integrations
APPROVED

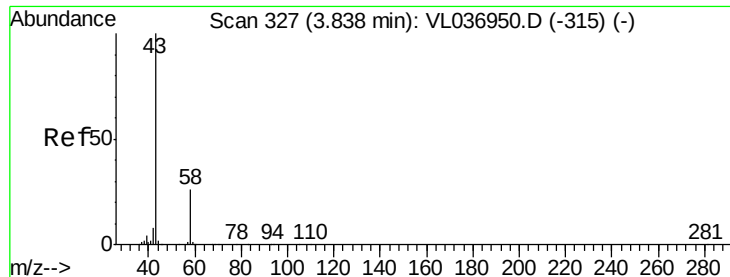
MMDadoda
6/7/2021 3:00:25 PM



#14
Bromoethene
Concen: 10.850 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.5	86.5	129.7
79	19.8	15.0	22.4





#15

Acetone

Concen: 8.873 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1305957

Ion Ratio Lower Upper

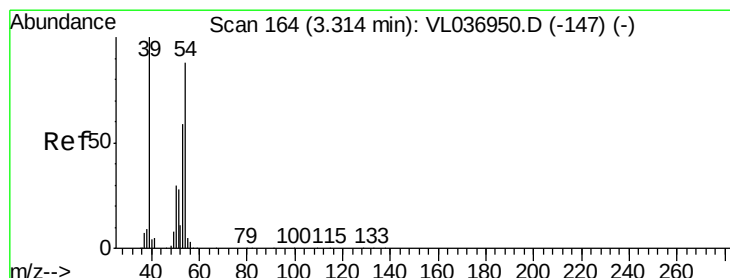
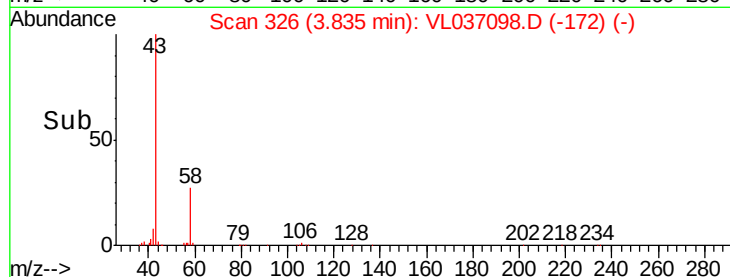
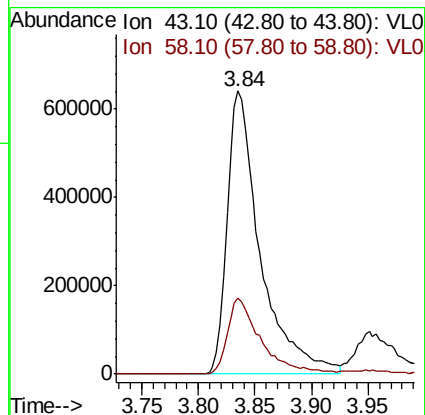
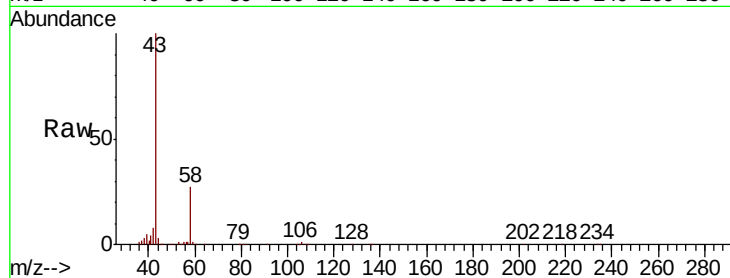
43 100

58 27.1 24.0 36.0

Manual Integrations
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MMDadoda

6/7/2021 3:00:25 PM



#16

1,3-Butadiene

Concen: 10.195 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL037098.D

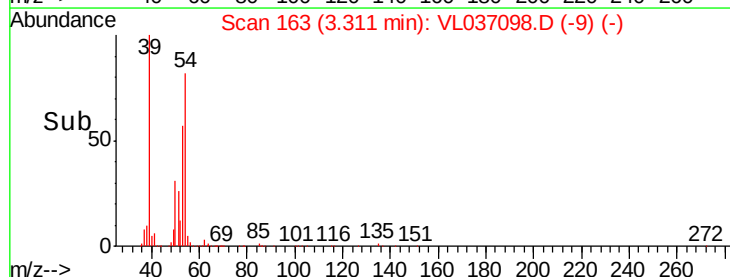
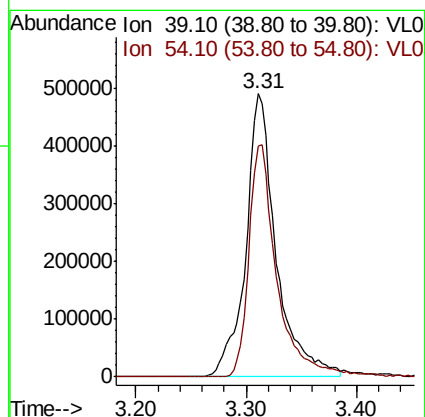
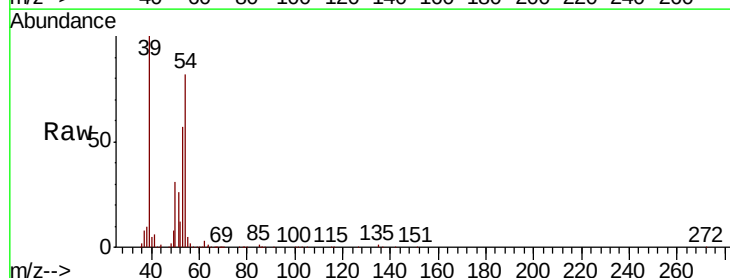
Acq: 2 Jun 2021 11:10

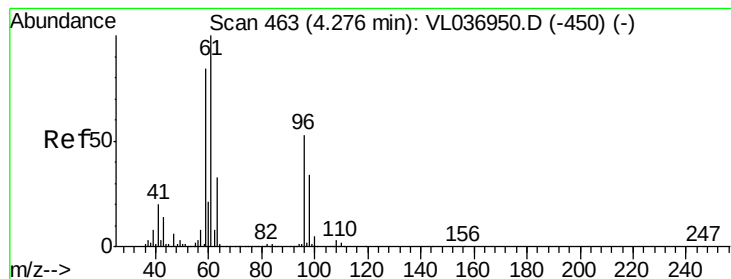
Tgt Ion: 39 Resp: 932220

Ion Ratio Lower Upper

39 100

54 76.8 63.2 94.8





#17

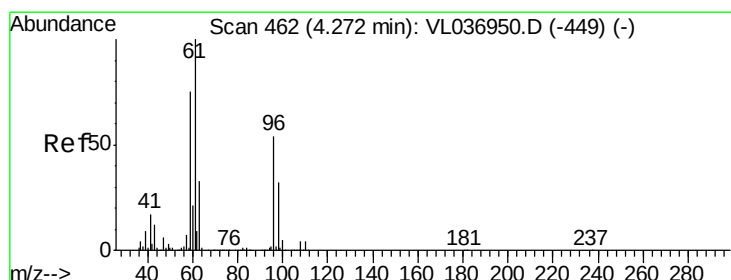
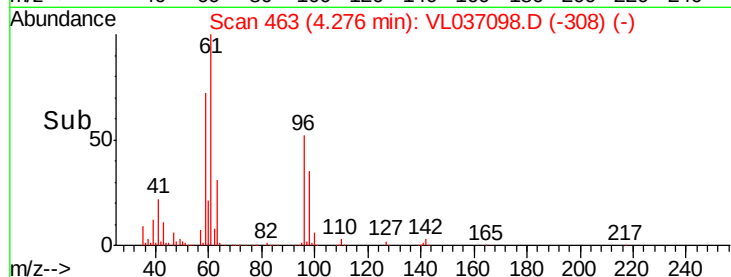
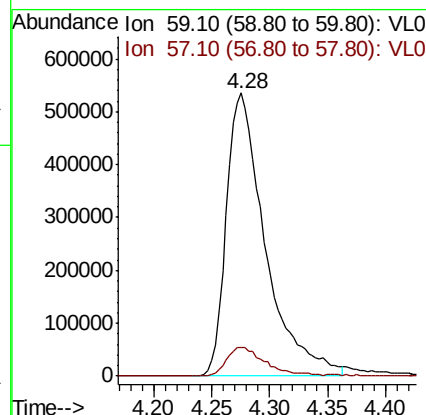
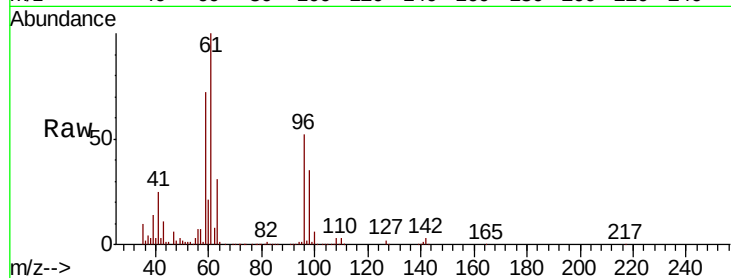
tert-Butyl alcohol
Concen: 9.254 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1247588
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

Manual Integrations
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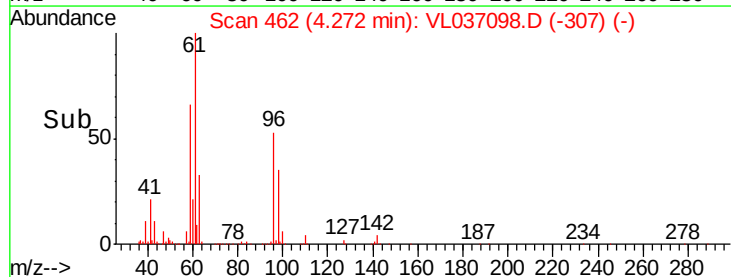
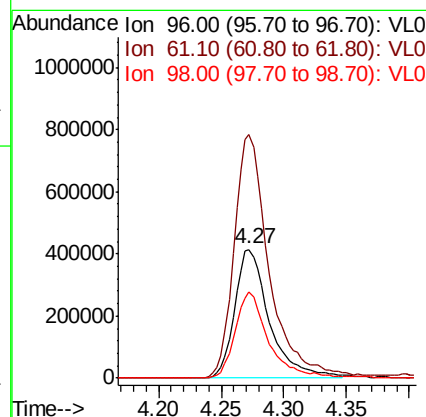
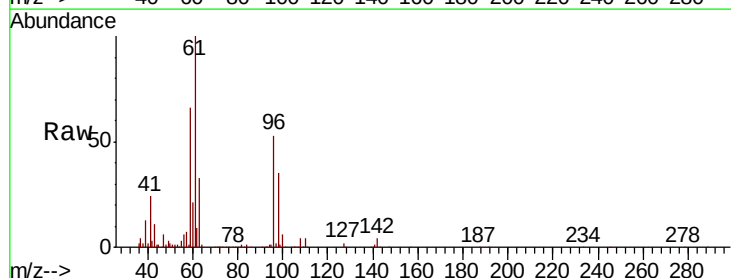
MMDadoda
6/7/2021 3:00:25 PM

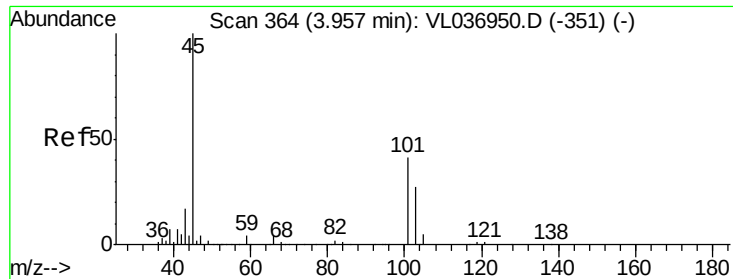


#18

1,1-Dichloroethene
Concen: 10.686 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 96 Resp: 794144
Ion Ratio Lower Upper
96 100
61 188.8 148.2 222.4
98 67.0 47.8 71.6





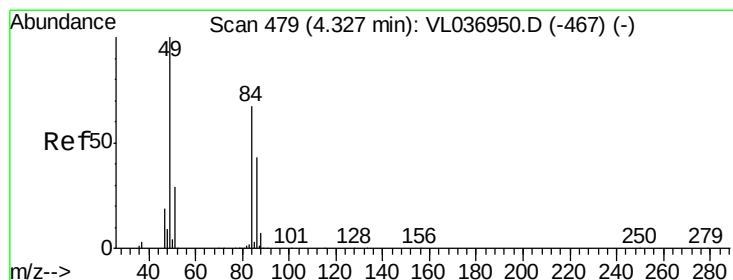
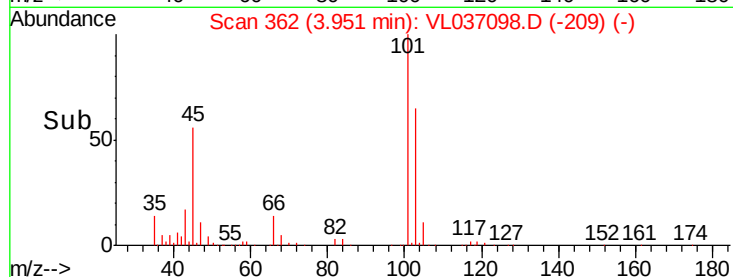
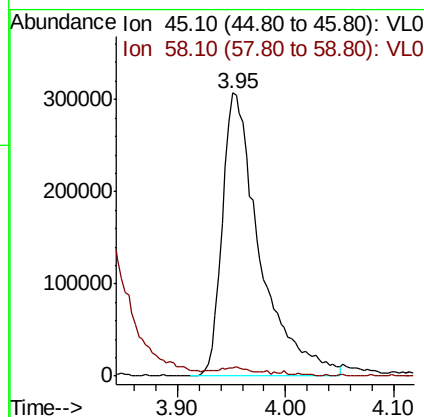
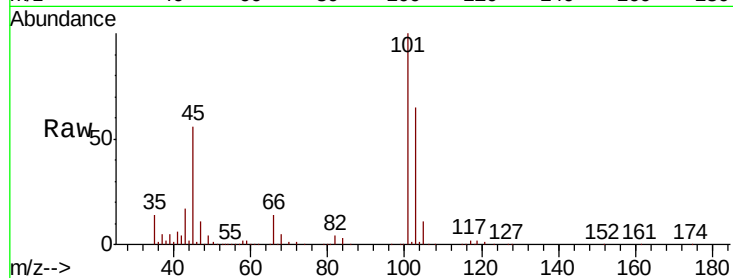
#19
Isopropyl Alcohol
Concen: 9.371 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 741393
Ion Ratio Lower Upper
45 100
58 4.6 37.2 55.8#

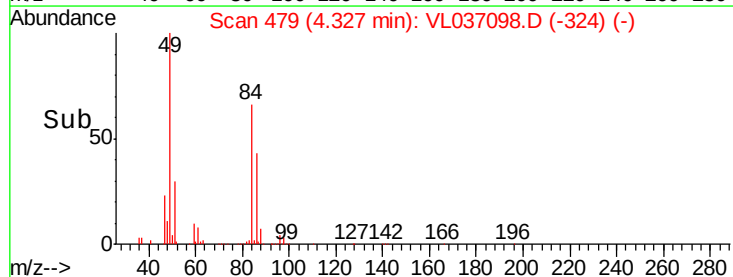
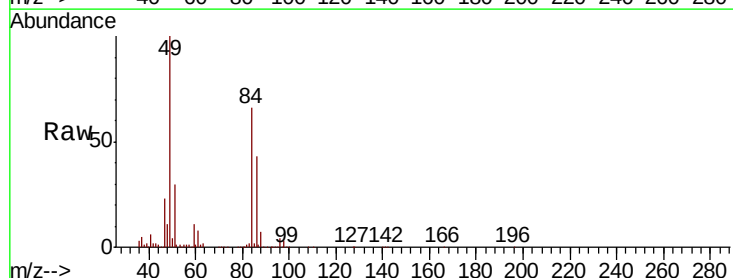
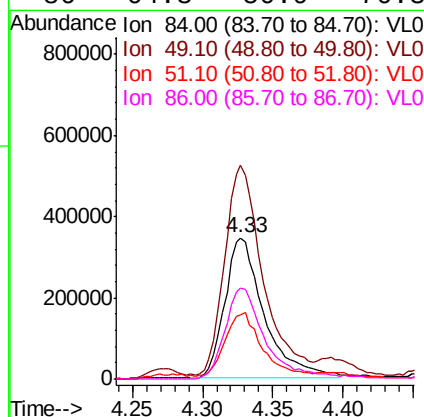
Manual Integrations
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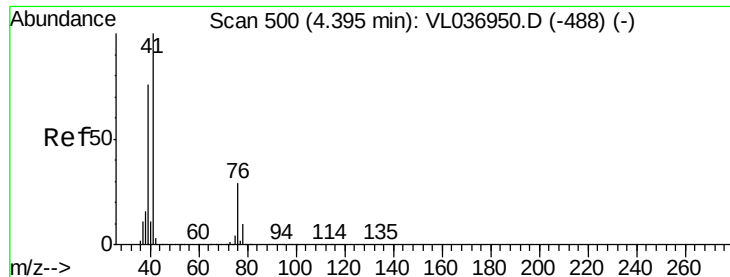
MMDadoda
6/7/2021 3:00:25 PM



#20
Methylene Chloride
Concen: 8.579 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 84 Resp: 676818
Ion Ratio Lower Upper
84 100
49 148.6 119.8 179.6
51 42.8 35.1 52.7
86 64.3 50.9 76.3





#21

Allvl Chloride

Concen: 9.963 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 1106237

Ion Ratio Lower Upper

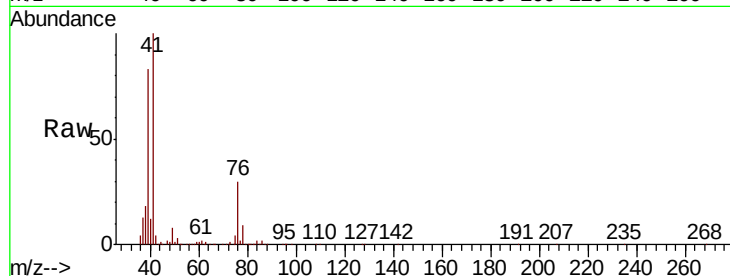
41 100

76 31.6 24.9 37.3

39 83.7 63.7 95.5

Manual Integrations
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MMDadoda
6/7/2021 3:00:25 PM

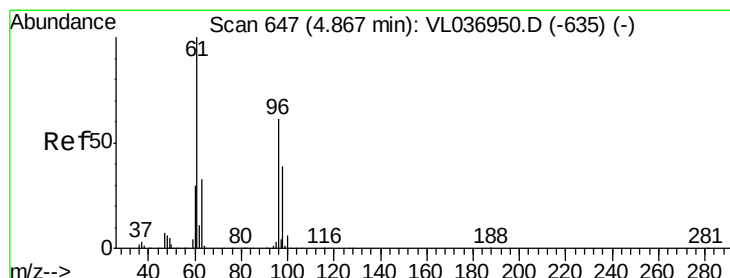
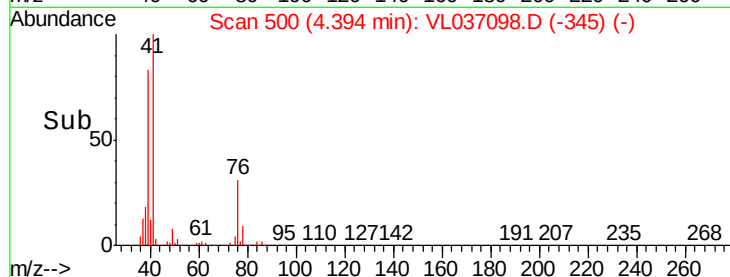
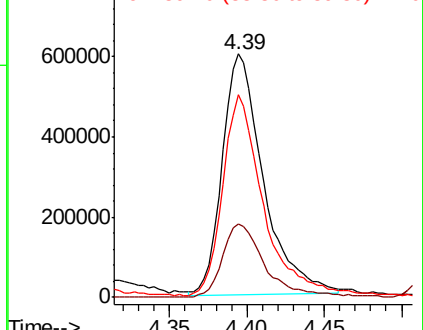


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 11.234 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

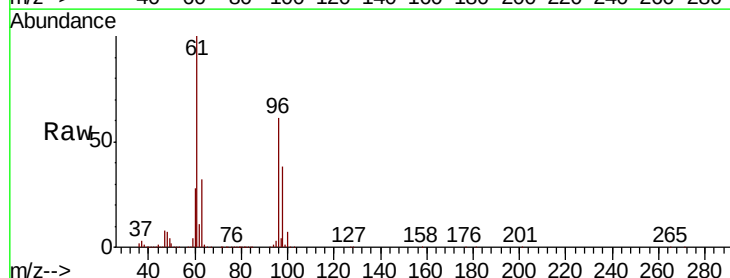
Tgt Ion: 96 Resp: 800137

Ion Ratio Lower Upper

96 100

61 163.6 130.6 196.0

98 62.4 50.8 76.2

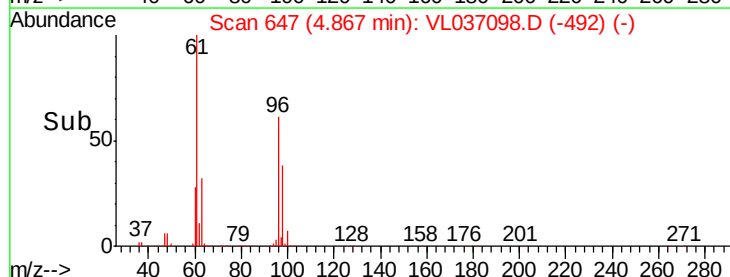
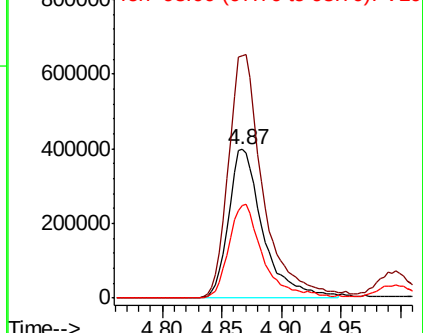


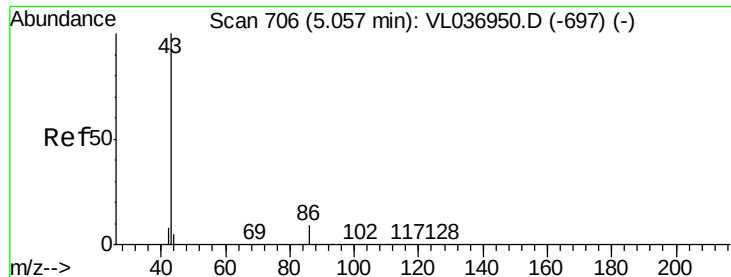
Abundance

Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.285 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2169211

Ion Ratio Lower Upper

43 100

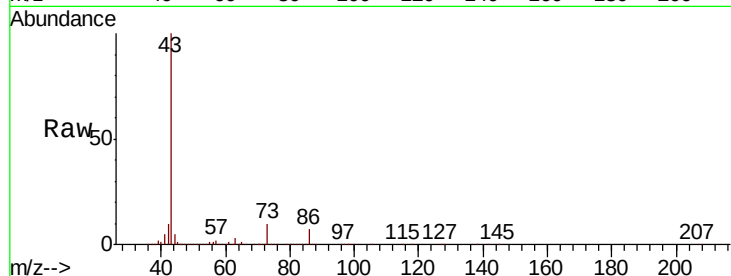
86 7.2 5.8 8.8

42 10.1 7.4 11.2

44 4.6 3.3 4.9

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6/7/2021 3:00:25 PM

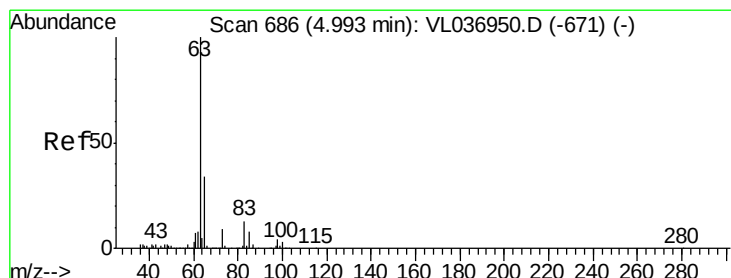
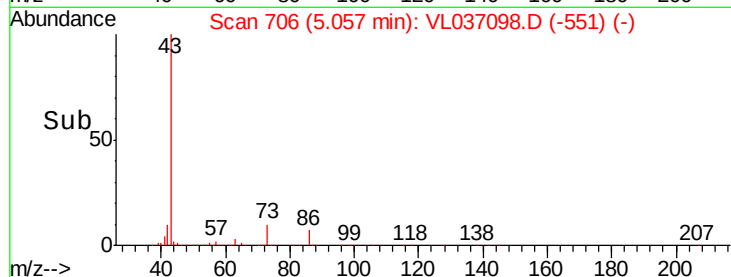
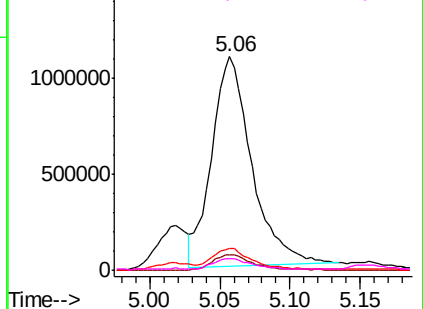


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.711 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

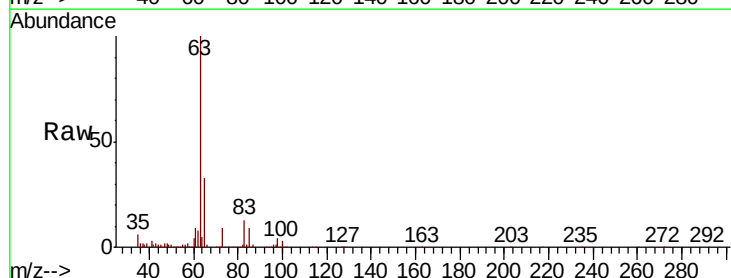
Tgt Ion: 63 Resp: 1632944

Ion Ratio Lower Upper

63 100

98 4.2 2.3 6.9

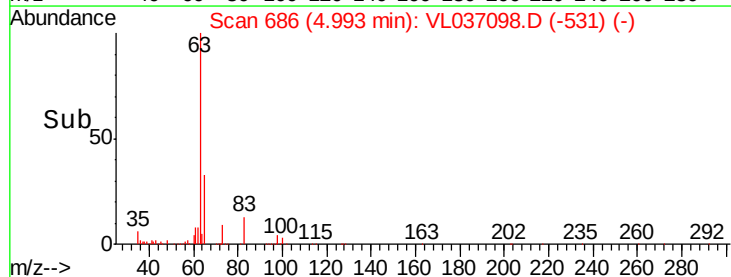
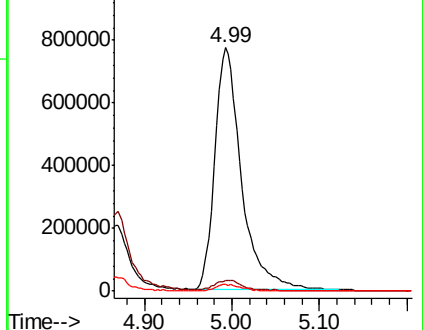
100 3.0 1.4 4.0

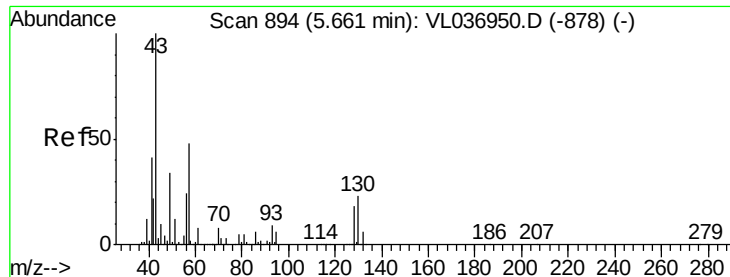


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





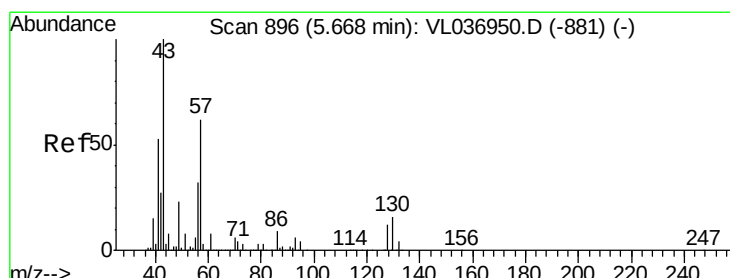
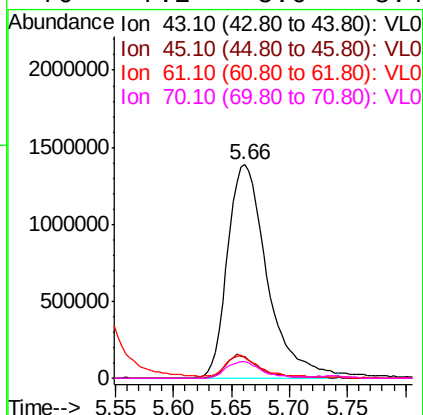
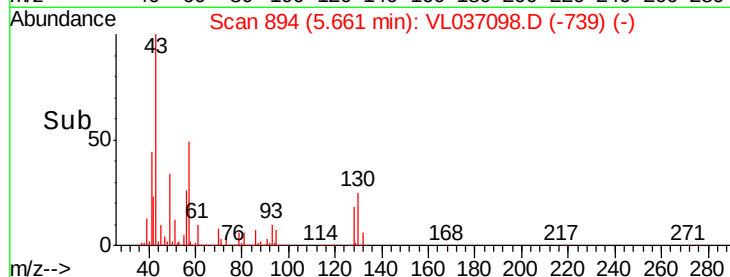
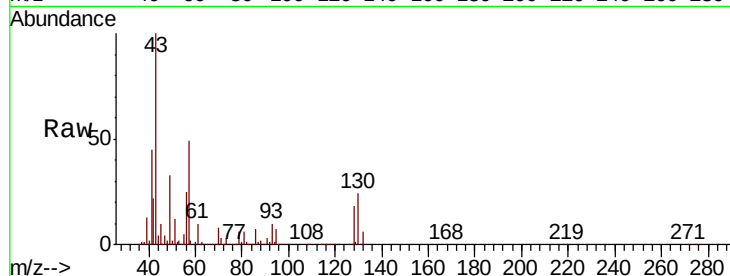
#25
Ethyl Acetate
Concen: 9.301 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.9	7.8	11.8	
61	9.6	7.8	11.8	
70	7.2	5.6	8.4	

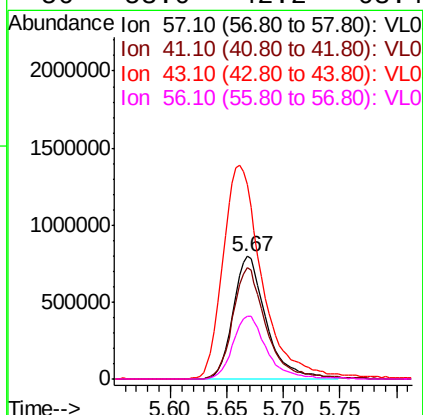
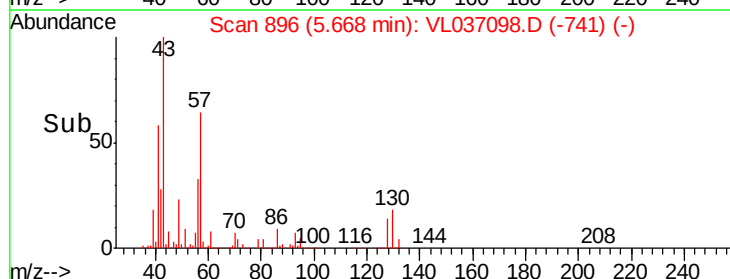
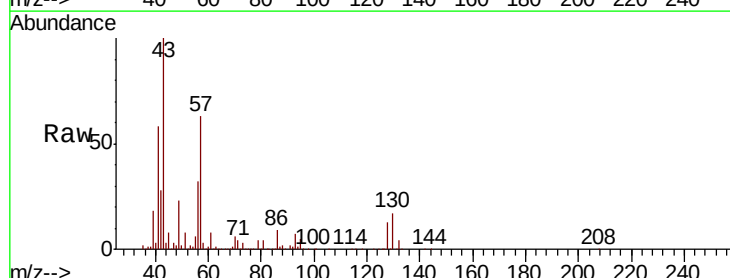
Manual Integrations
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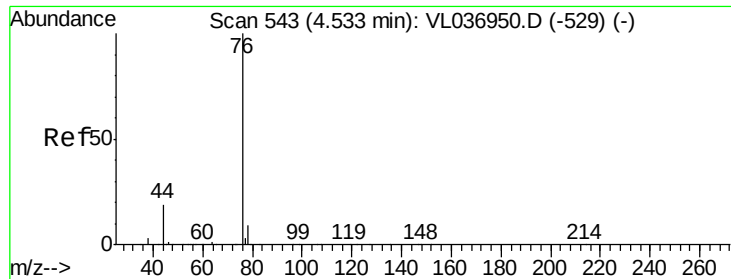
MMDadoda
6/7/2021 3:00:25 PM



#26
Hexane
Concen: 8.993 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	92.8	70.5	105.7	
43	206.5	165.8	248.8	
56	53.0	42.2	63.4	





#27

Carbon Disulfide

Concen: 9.587 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1745826

Ion Ratio Lower Upper

76 100

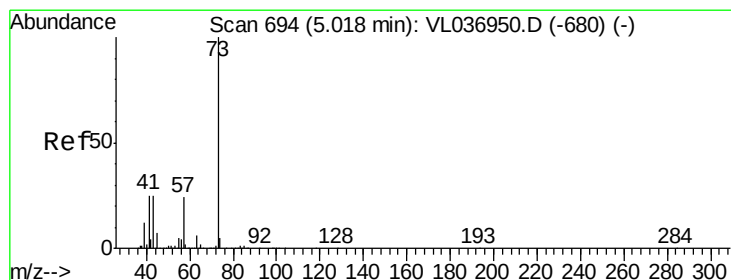
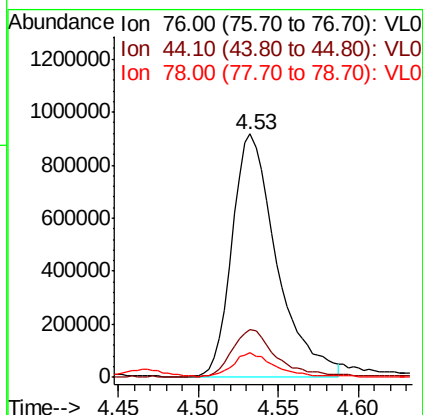
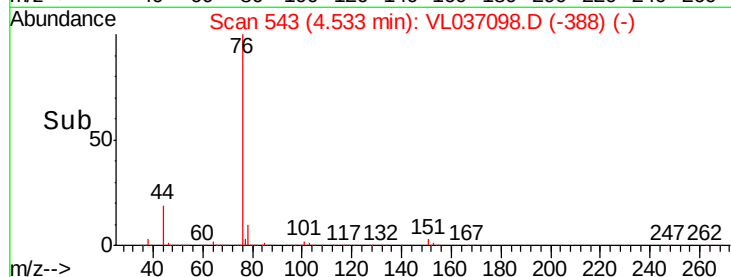
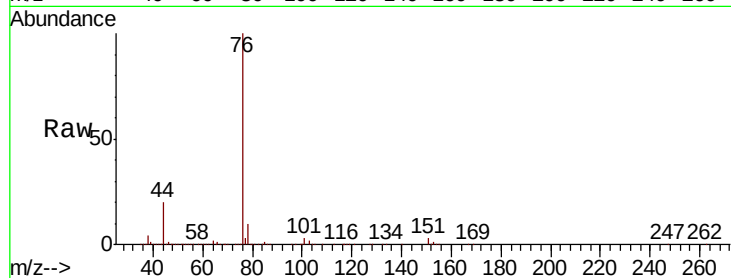
44 19.7 15.5 23.3

78 10.2 7.8 11.6

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#28

Methyl tert-Butyl Ether

Concen: 8.786 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL037098.D

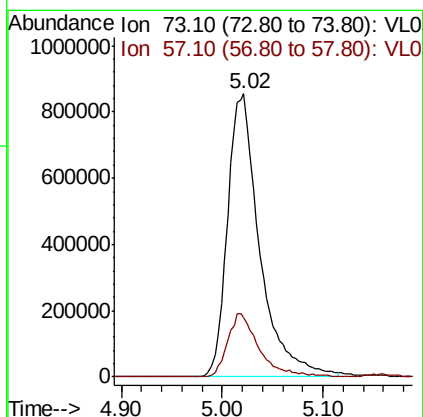
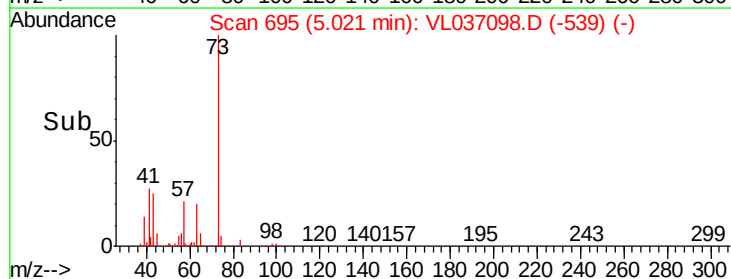
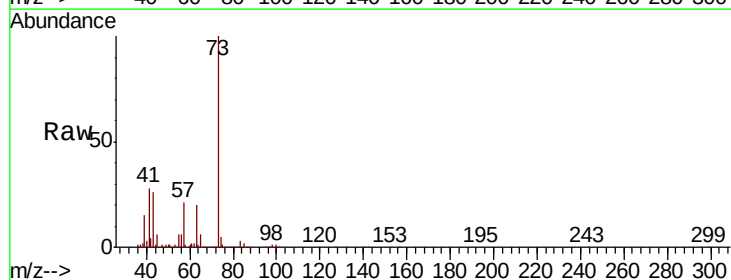
Acq: 2 Jun 2021 11:10

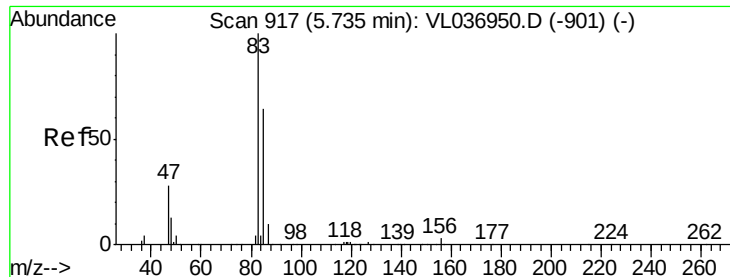
Tgt Ion: 73 Resp: 1902724

Ion Ratio Lower Upper

73 100

57 22.1 18.3 27.5





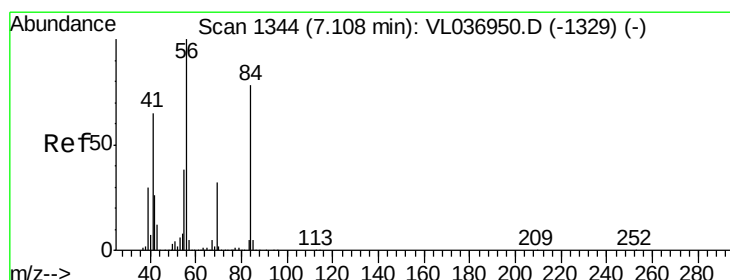
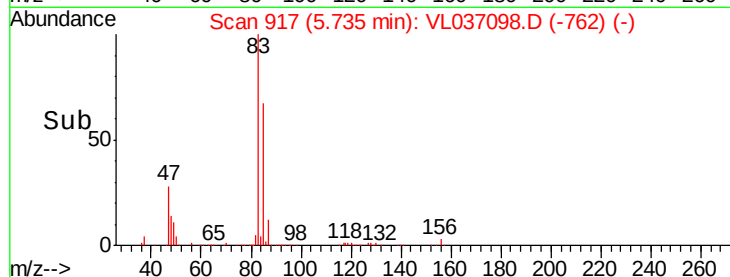
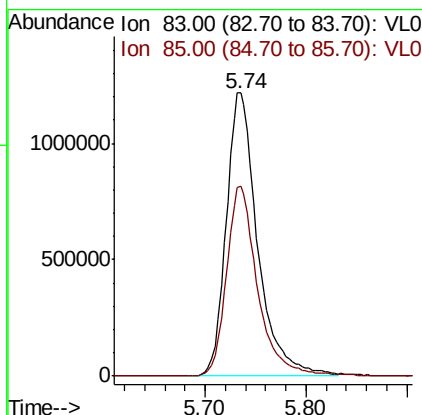
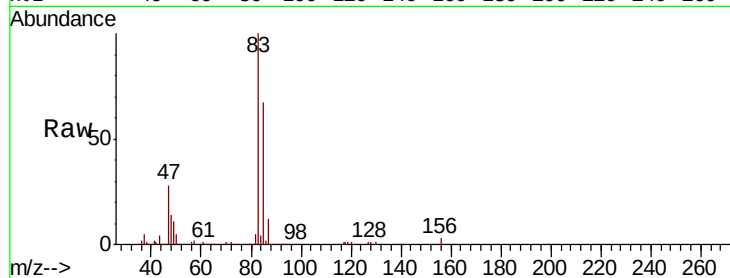
#29
Chloroform
Concen: 10.339 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2639020
Ion Ratio Lower Upper
83 100
85 66.8 51.1 76.7

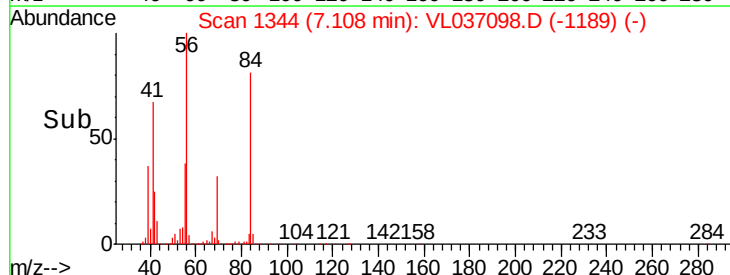
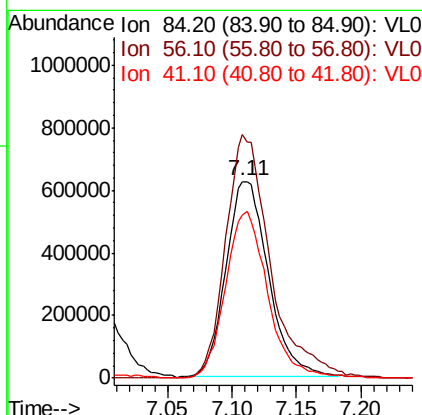
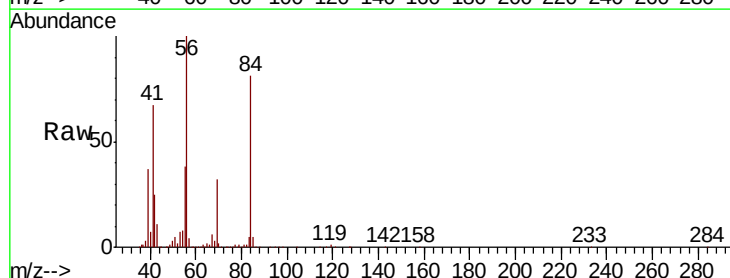
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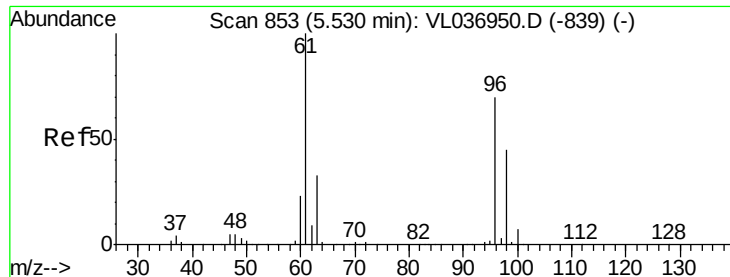
MMDadoda
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#30
Cyclohexane
Concen: 9.295 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 84 Resp: 1427150
Ion Ratio Lower Upper
84 100
56 132.7 107.9 161.9
41 85.3 65.5 98.3





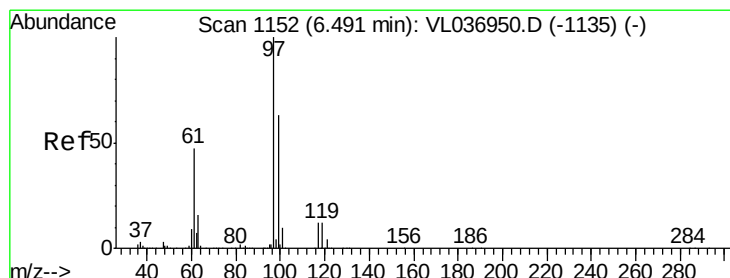
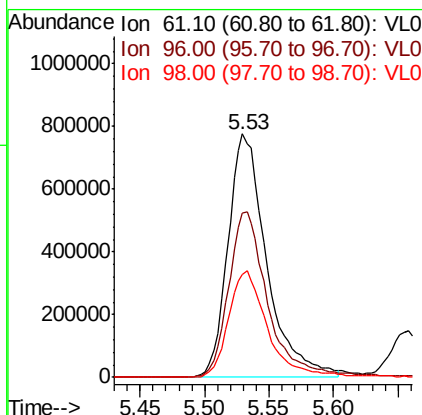
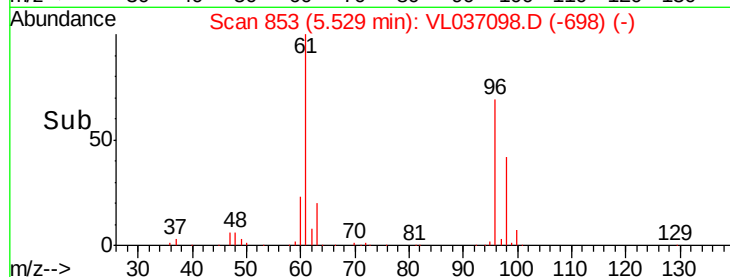
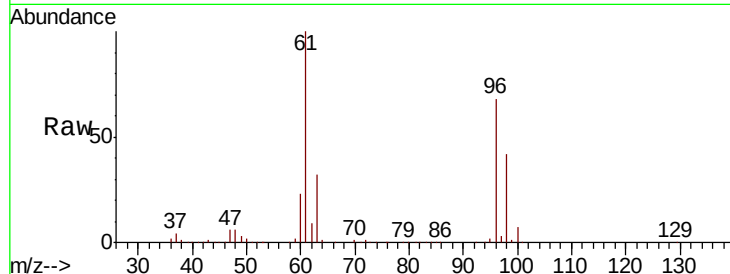
#31
 cis-1,2-Dichloroethene
 Concen: 9.955 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 61 Resp: 1612687
 Ion Ratio Lower Upper
 61 100
 96 67.5 55.9 83.9
 98 42.4 35.6 53.4

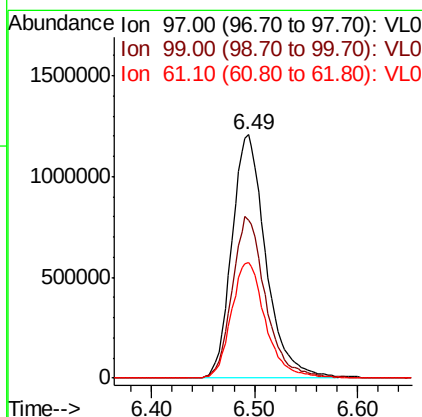
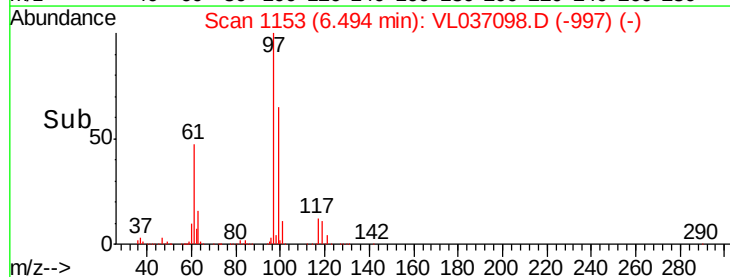
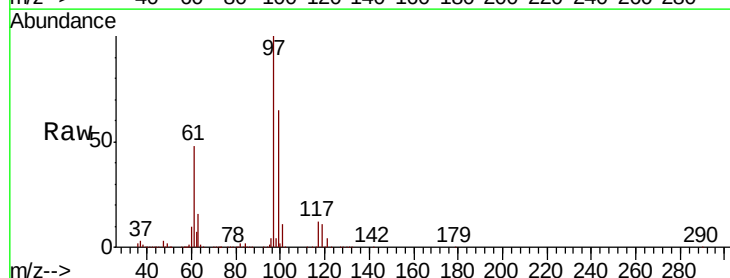
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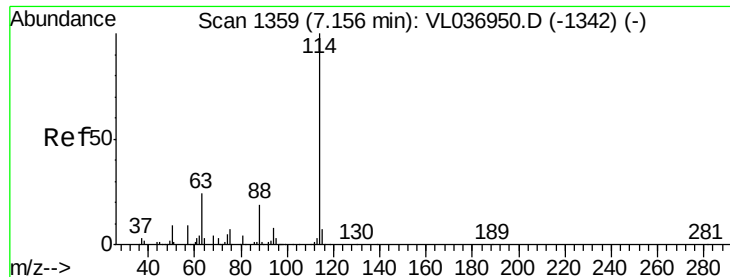
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 10.101 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion: 97 Resp: 2768725
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.9 77.9
 61 48.0 37.6 56.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:114 Resp: 4321708

Ion Ratio Lower Upper

114 100

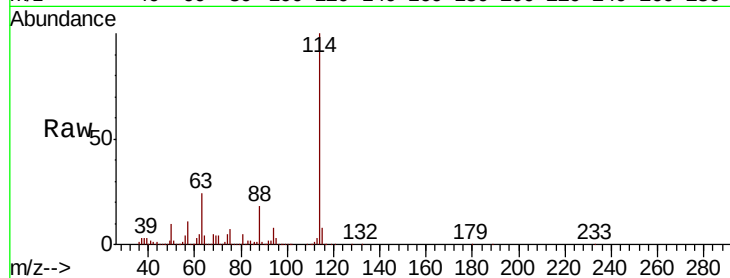
63 24.5 19.6 29.4

88 17.7 14.6 21.8

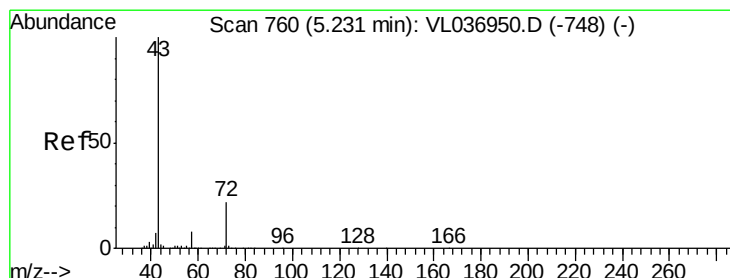
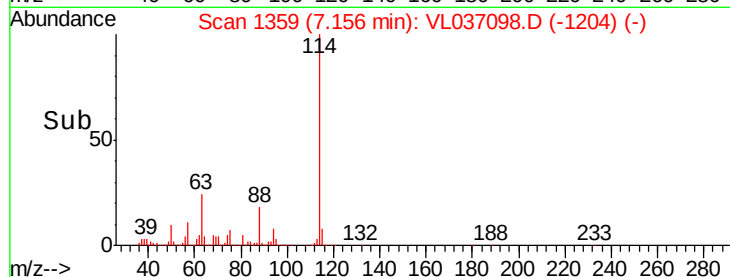
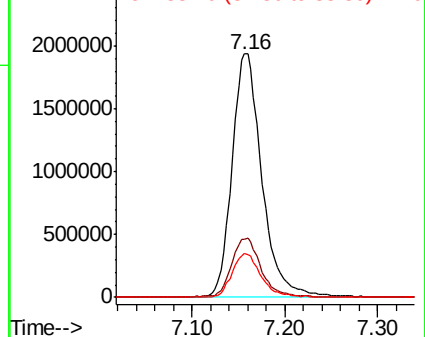
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Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.698 ppbv

RT: 5.23 min Scan# 759

Delta R.T. -0.00 min

Lab File: VL037098.D

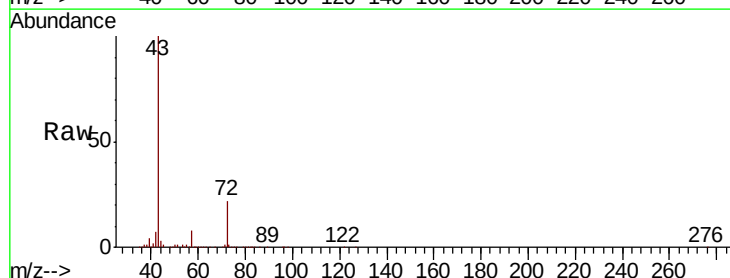
Acq: 2 Jun 2021 11:10

Tgt Ion: 43 Resp: 1526105

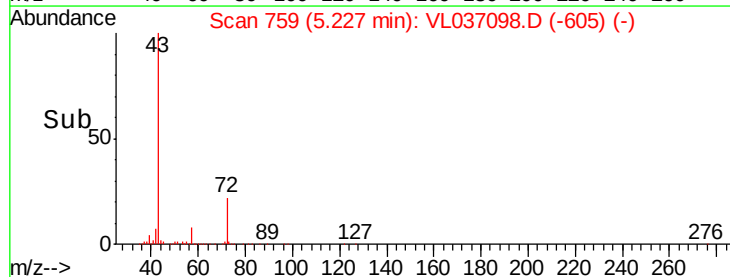
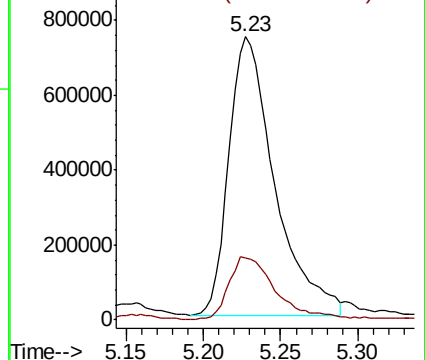
Ion Ratio Lower Upper

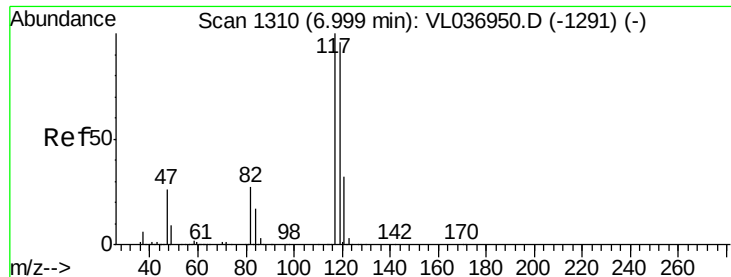
43 100

72 23.9 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.364 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2975925

Ion Ratio Lower Upper

117 100

119 93.4 76.6 114.8

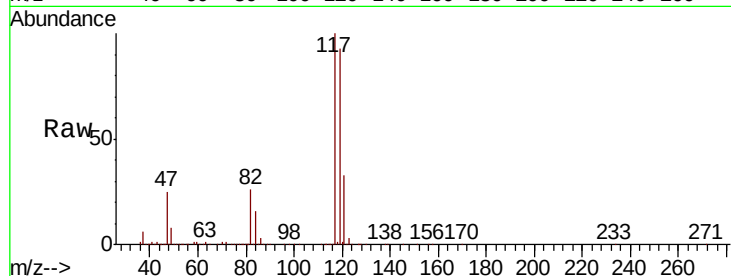
121 32.6 25.8 38.6

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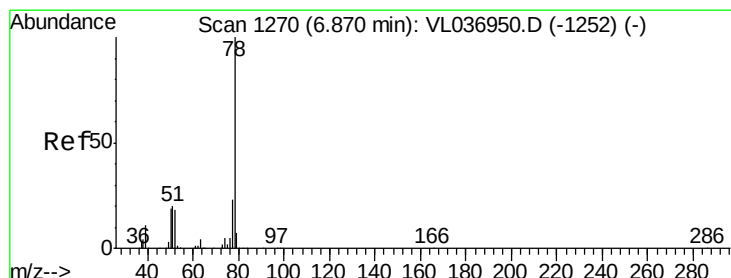
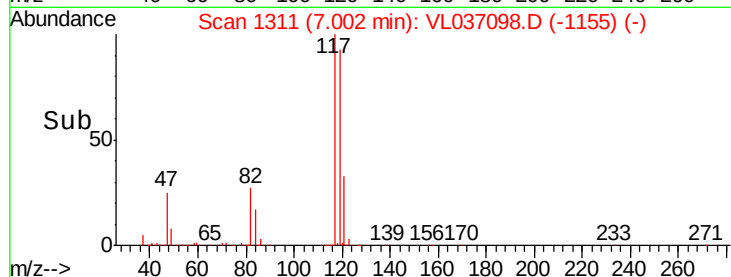
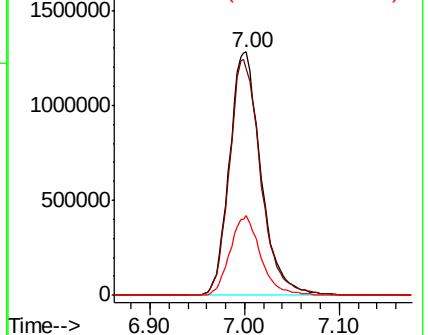
6/7/2021 3:00:25 PM



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: 9.047 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

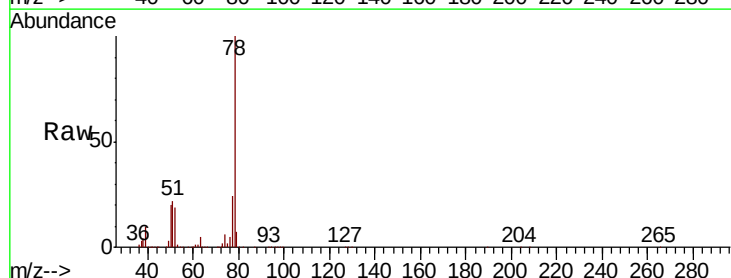
Tgt Ion: 78 Resp: 3367946

Ion Ratio Lower Upper

78 100

77 24.1 18.6 28.0

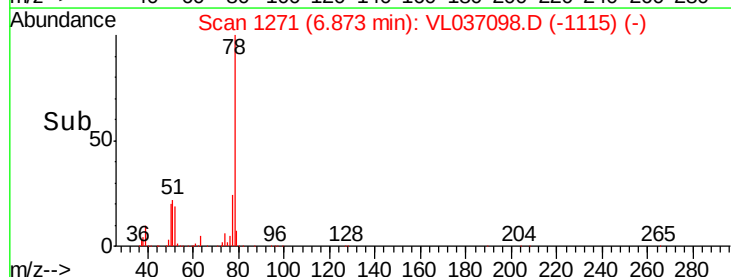
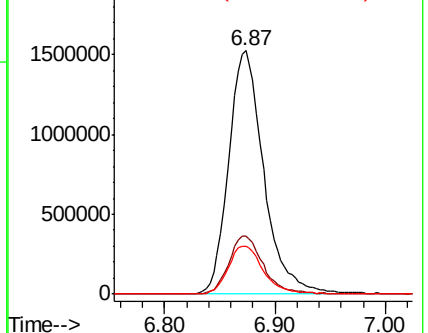
50 19.9 15.0 22.4

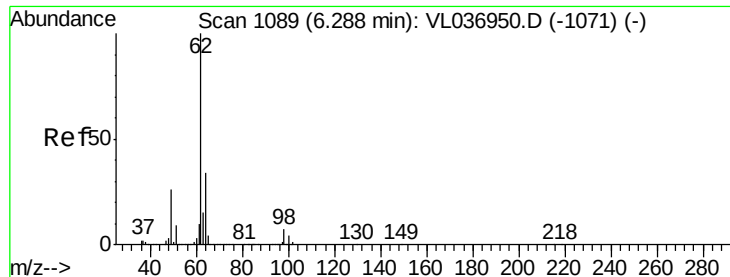


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





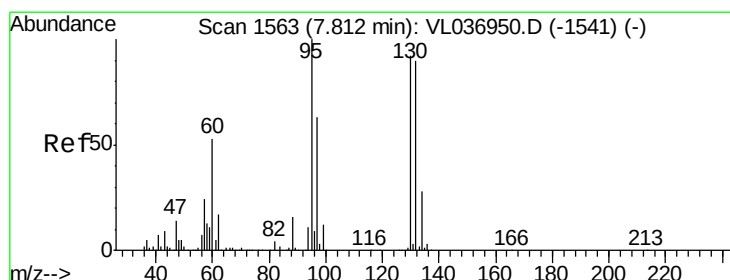
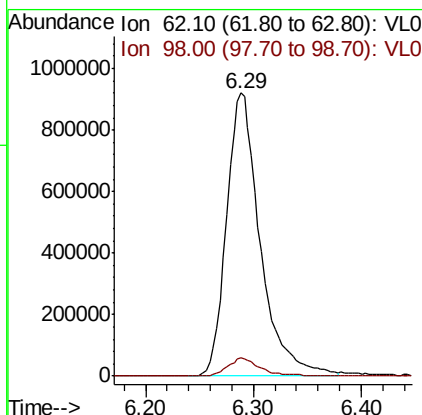
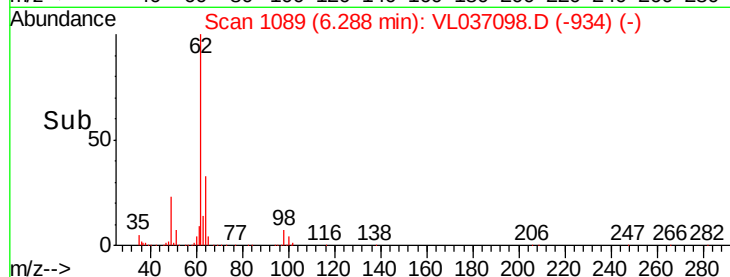
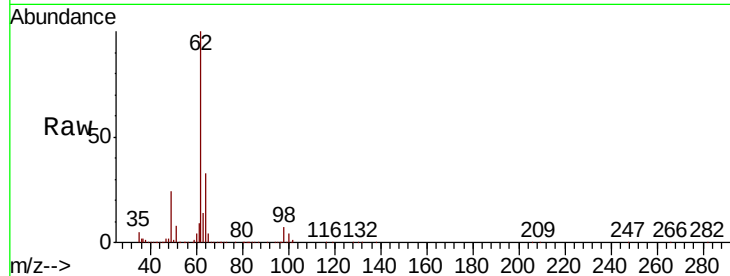
#37
1,2-Dichloroethane
Concen: 10.841 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 62 Resp: 2000870
Ion Ratio Lower Upper
62 100
98 6.4 5.5 8.3

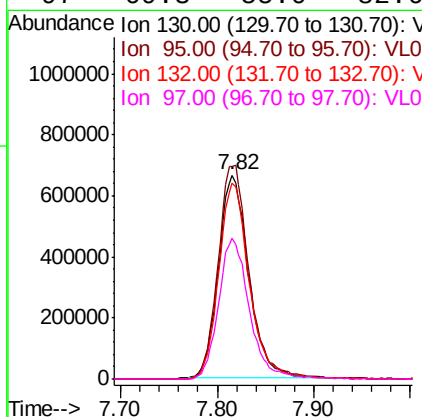
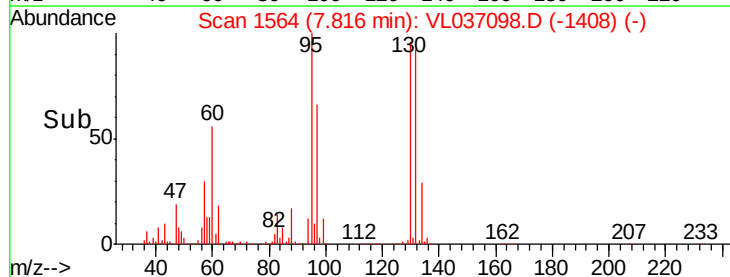
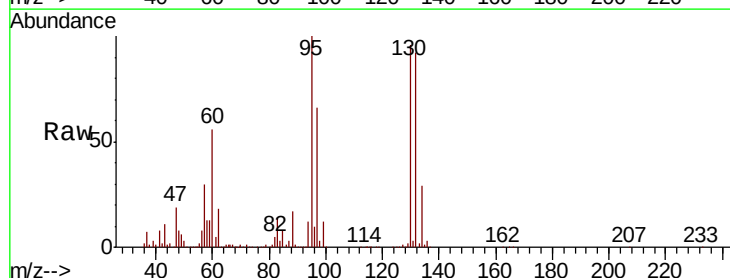
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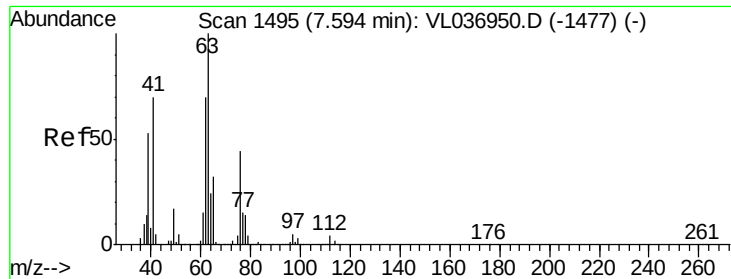
MMDadoda
6/7/2021 3:00:25 PM



#38
Trichloroethene
Concen: 9.073 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion:130 Resp: 1444881
Ion Ratio Lower Upper
130 100
95 104.7 86.9 130.3
132 96.2 78.4 117.6
97 69.3 55.0 82.6





#39

1,2-Dichloropropane

Concen: 8.968 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1285952

Ion Ratio Lower Upper

63 100

41 76.7 55.7 83.5

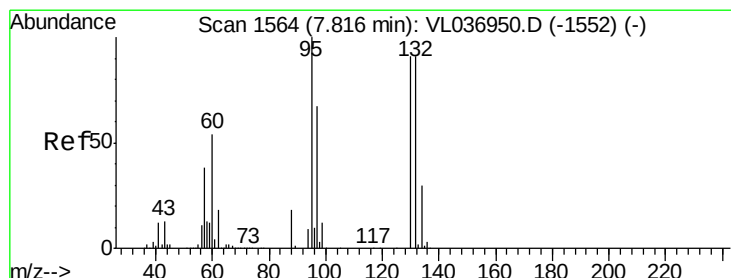
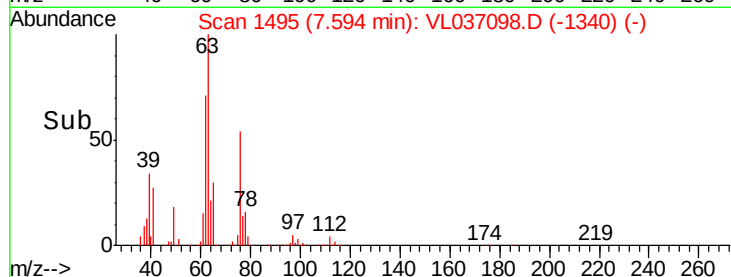
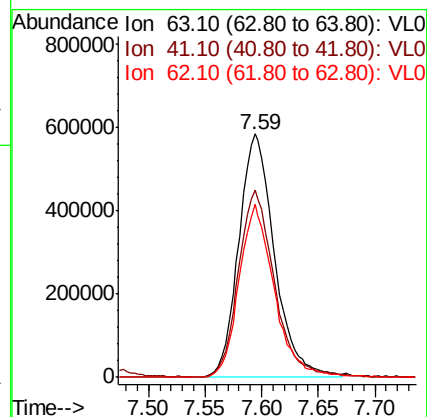
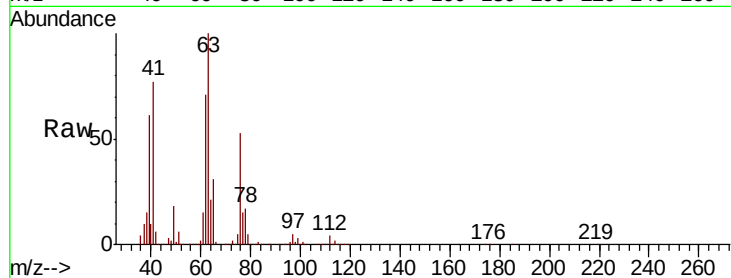
62 71.2 56.2 84.4

Manual Integrations

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#40

1,4-Dioxane

Concen: 8.573 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Tgt Ion: 88 Resp: 290270

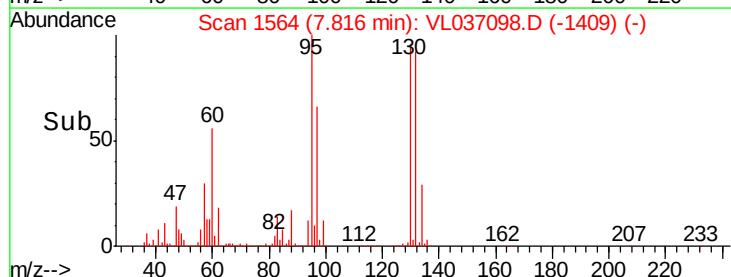
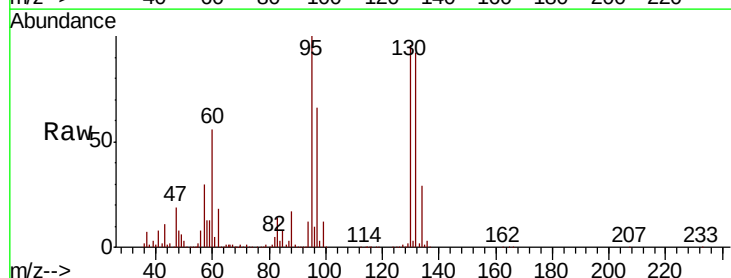
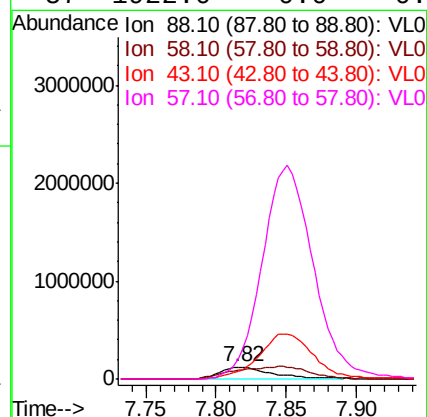
Ion Ratio Lower Upper

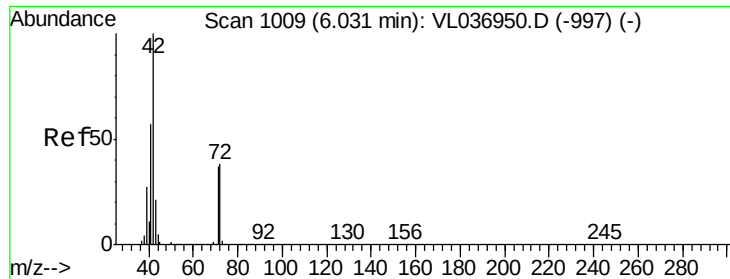
88 100

58 165.4 0.0 0.0#

43 433.1 0.0 0.0#

57 1922.0 0.0 0.0#





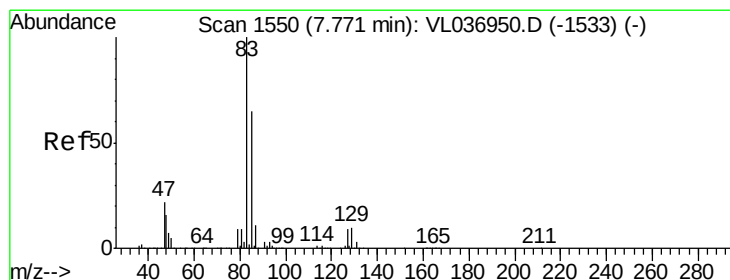
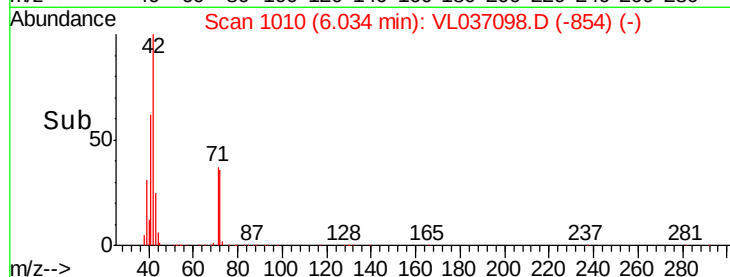
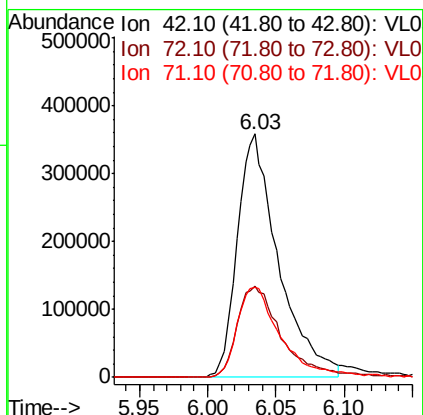
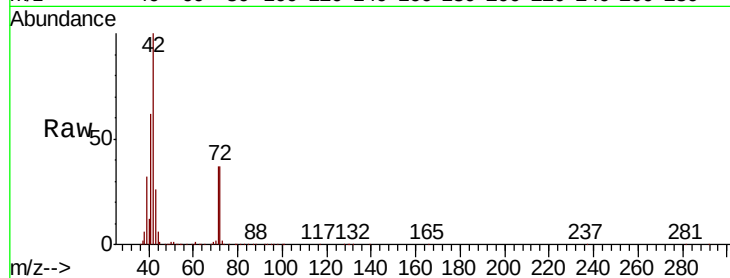
#41
Tetrahydrofuran
Concen: 8.351 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	31.4	47.2
71	40.5	30.4	45.6

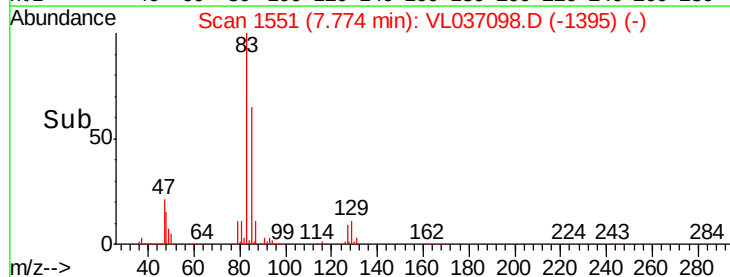
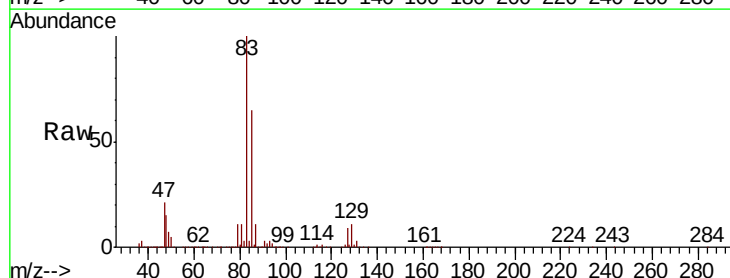
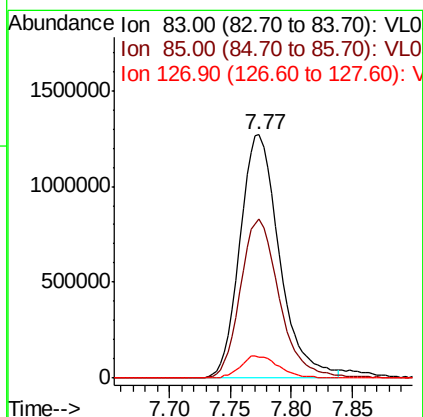
Manual Integrations
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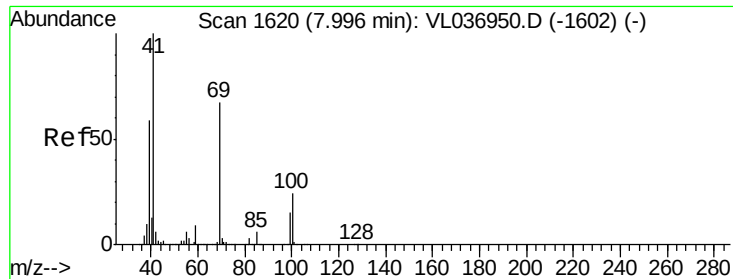
MMDadoda
6/7/2021 3:00:25 PM



#42
Bromodichloromethane
Concen: 10.179 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5
127	8.8	6.9	10.3





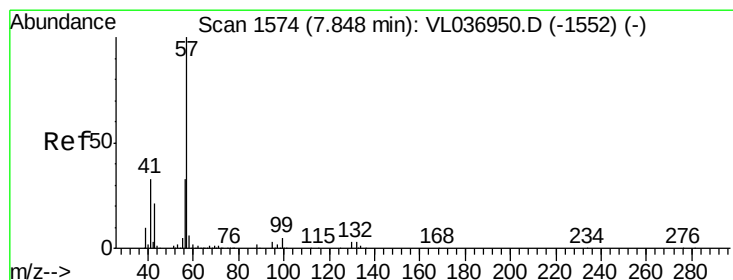
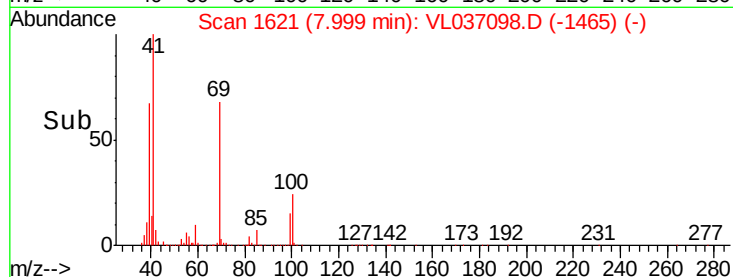
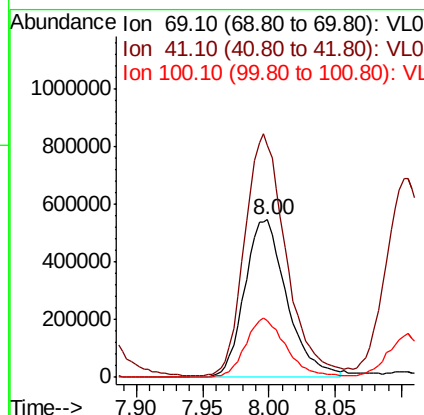
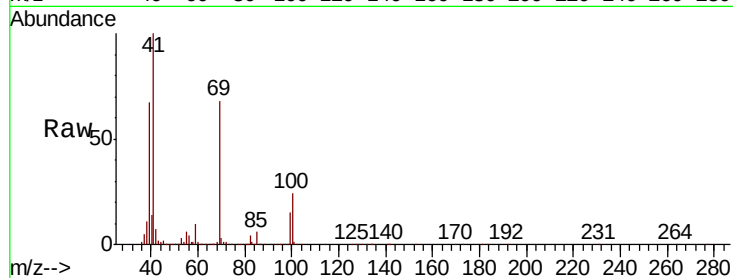
#43
Methyl Methacrylate
Concen: 9.408 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1207015
Ion Ratio Lower Upper
69 100
41 152.7 118.6 178.0
100 36.5 28.2 42.4

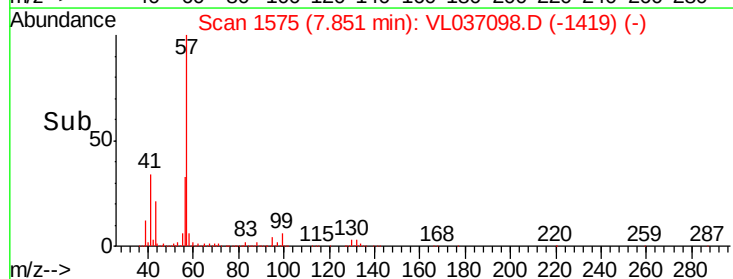
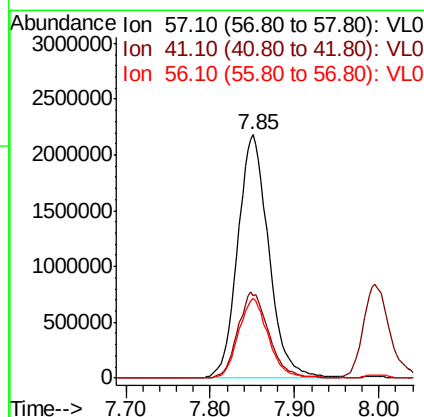
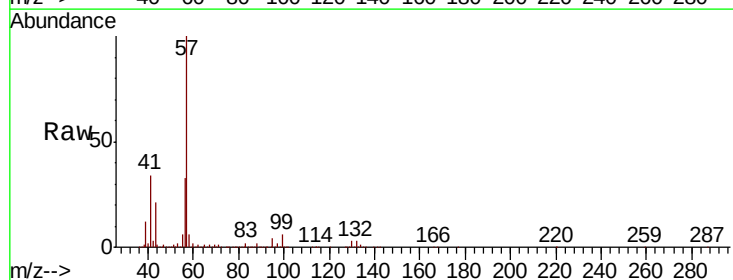
Manual Integrations
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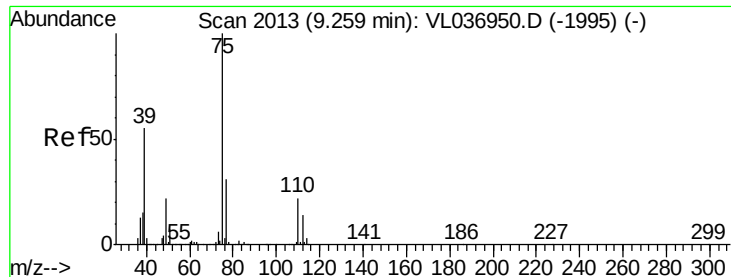
MMDadoda
6/7/2021 3:00:25 PM



#44
2,2,4-Trimethylpentane
Concen: 8.722 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 57 Resp: 5570481
Ion Ratio Lower Upper
57 100
41 35.3 27.0 40.4
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 9.911 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 971450

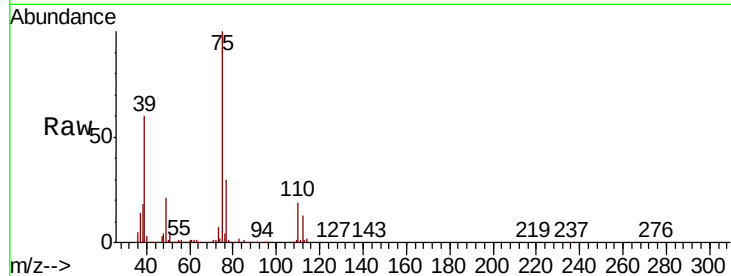
Ion Ratio Lower Upper

75 100

77 30.1 24.4 36.6

Manual Integrations
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6/7/2021 3:00:25 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.26

500000

400000

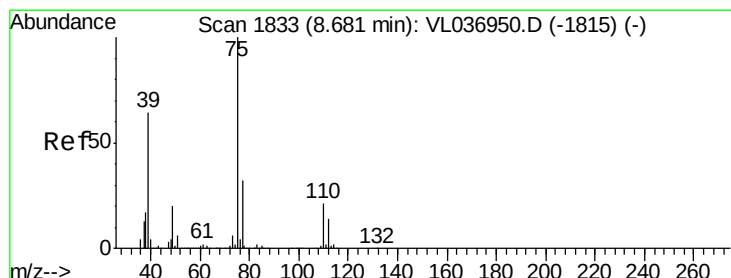
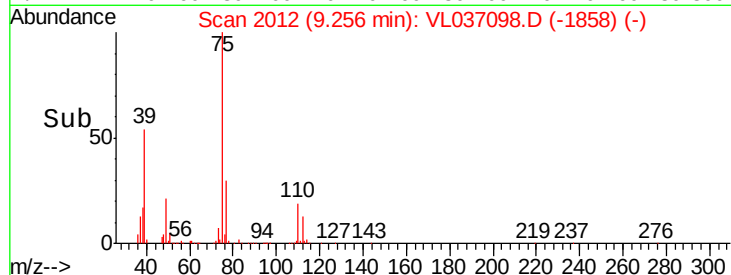
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.388 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

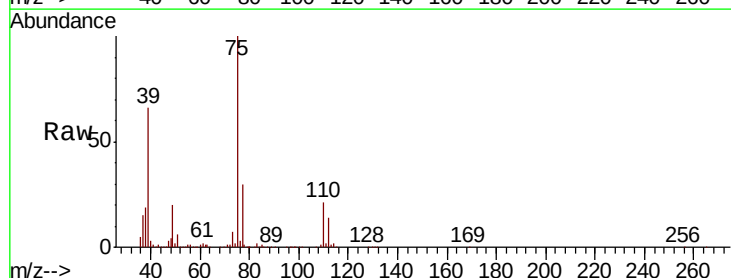
Tgt Ion: 75 Resp: 1237693

Ion Ratio Lower Upper

75 100

39 66.3 51.5 77.3

77 30.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

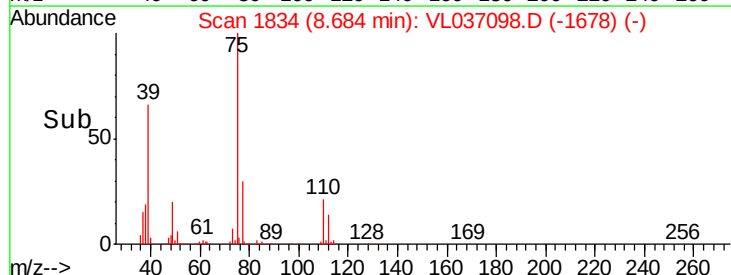
600000

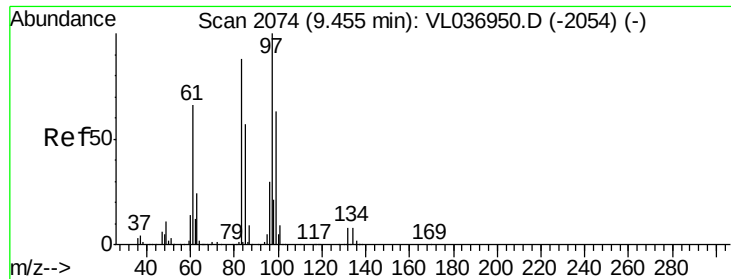
400000

200000

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Time-->





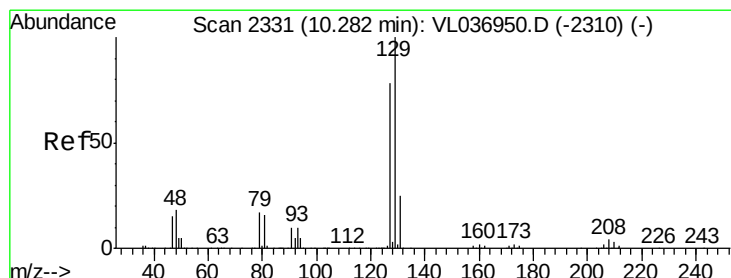
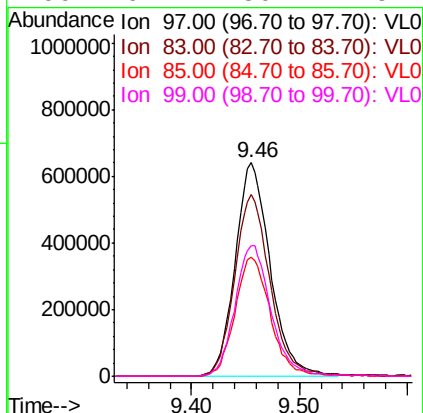
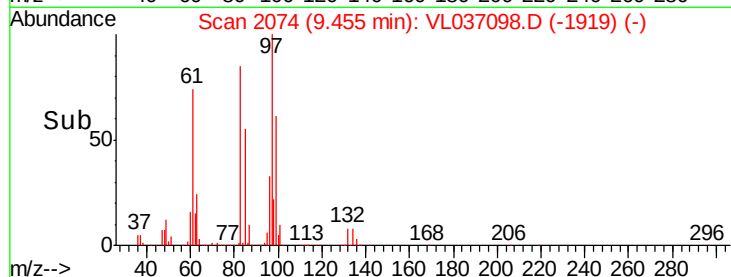
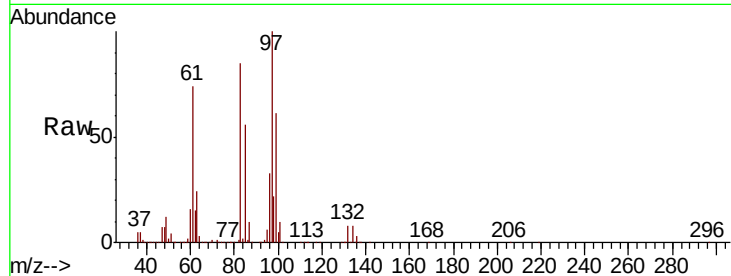
#47
 1,1,2-Trichloroethane
 Concen: 9.656 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.8	70.4	105.6	
85	55.5	45.5	68.3	
99	61.2	50.2	75.2	

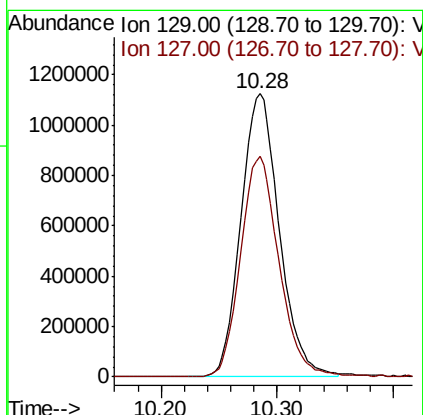
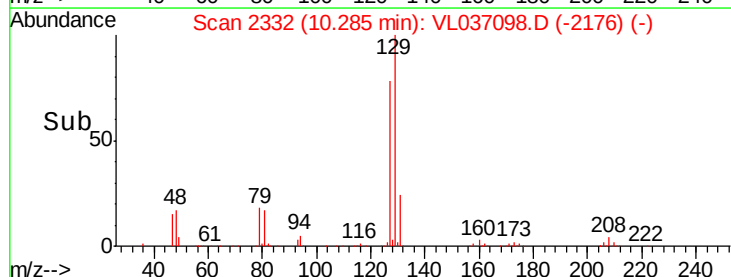
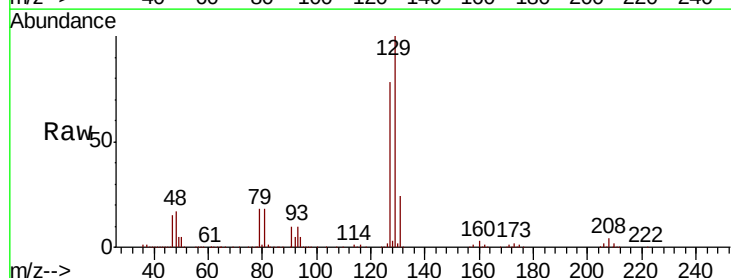
Manual Integrations
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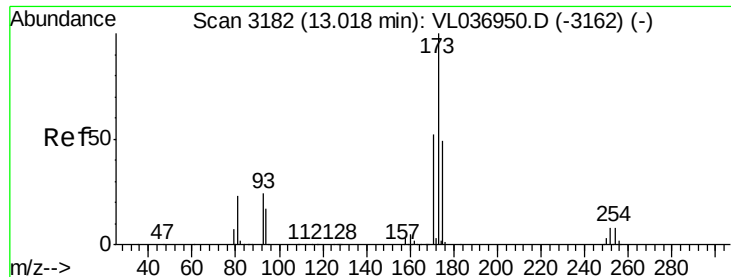
MMDadoda
 6/7/2021 3:00:25 PM



#48
 Dibromochloromethane
 Concen: 10.662 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.8	39.3	117.8	





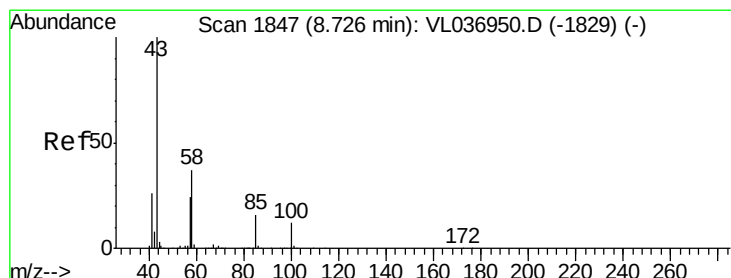
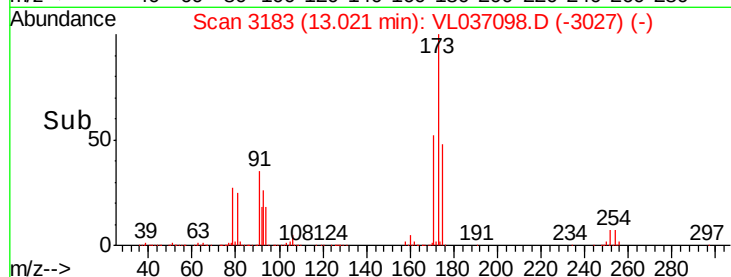
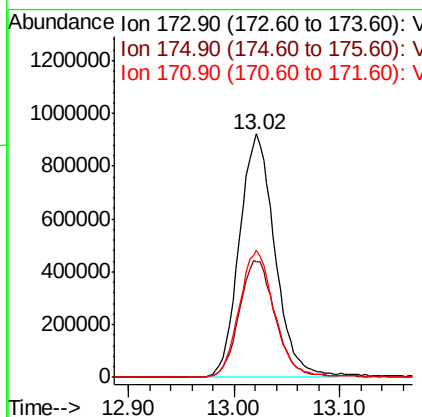
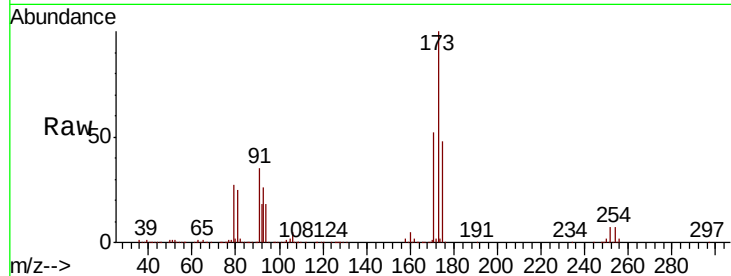
#49
Bromoform
Concen: 10.750 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 2157547
Ion Ratio Lower Upper
173 100
175 49.6 40.4 60.6
171 52.4 42.6 64.0

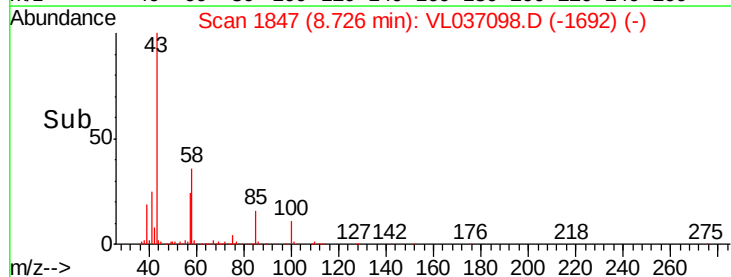
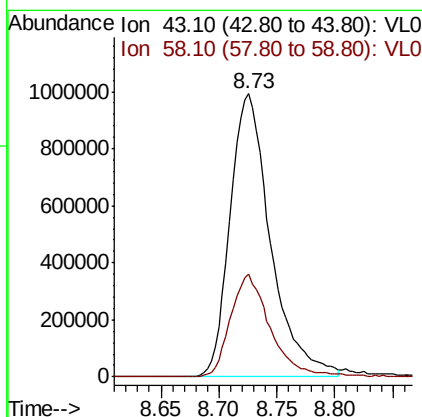
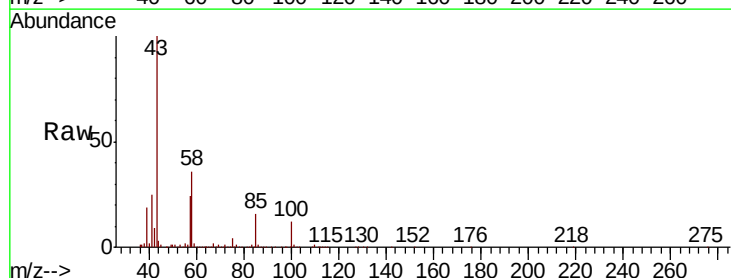
Manual Integrations
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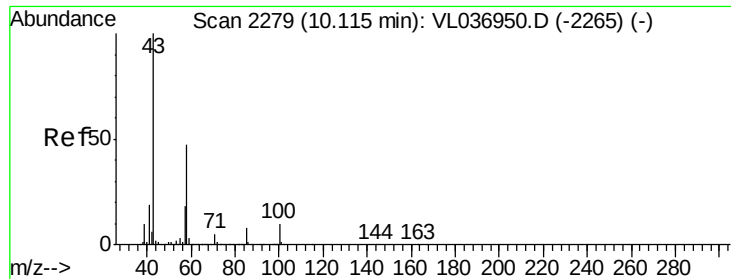
MMDadoda
6/7/2021 3:00:25 PM



#50
4-Methyl-2-Pentanone
Concen: 9.233 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 43 Resp: 2397508
Ion Ratio Lower Upper
43 100
58 36.3 29.4 44.2





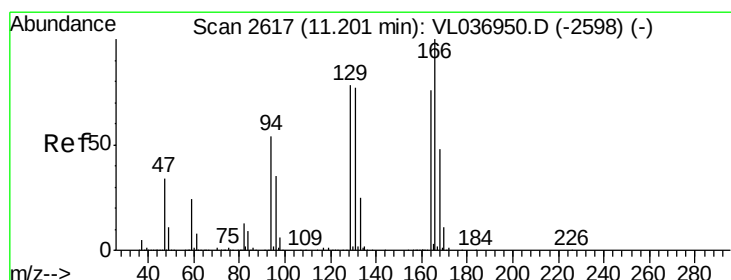
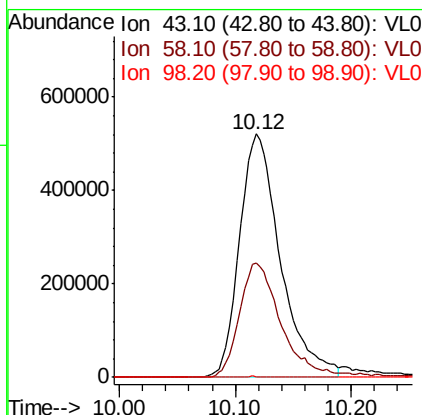
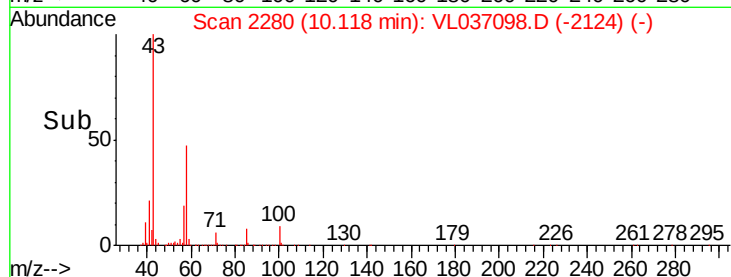
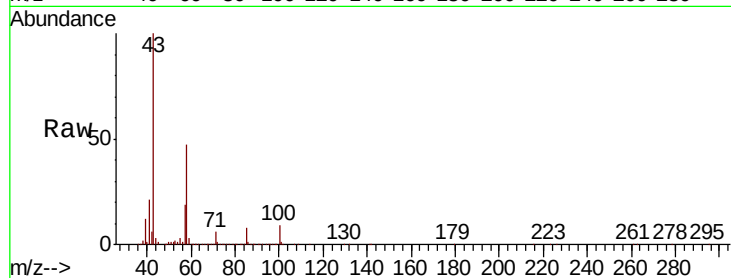
#51
2-Hexanone
Concen: 9.293 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1275735
Ion Ratio Lower Upper
43 100
58 49.5 41.1 61.7
98 0.4 0.1 0.1#

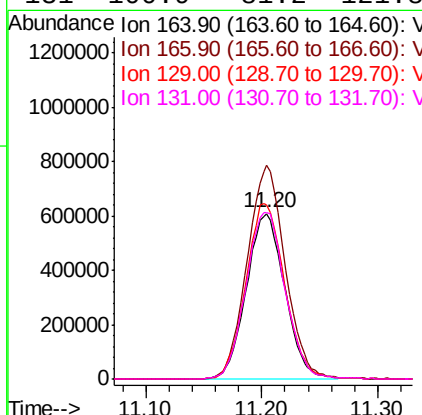
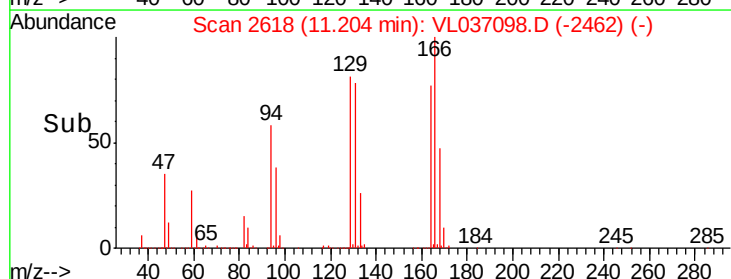
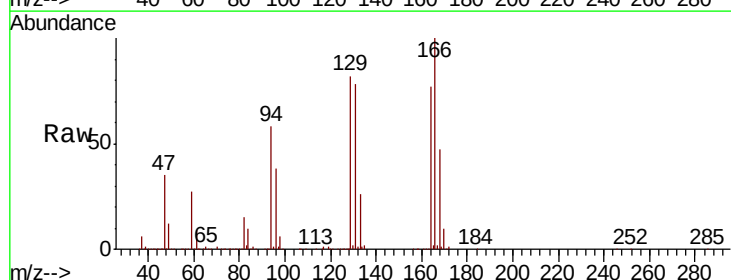
Manual Integrations
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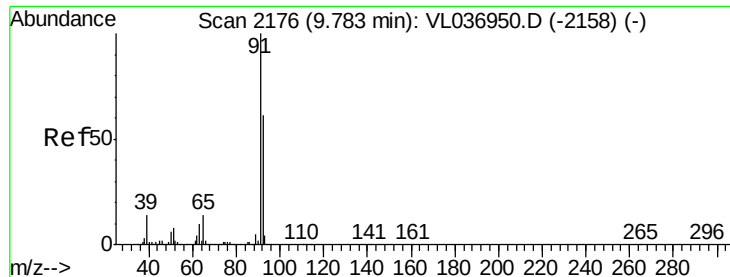
MMDadoda
6/7/2021 3:00:25 PM



#52
Tetrachloroethene
Concen: 9.461 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 164 Resp: 1400509
Ion Ratio Lower Upper
164 100
166 129.2 105.5 158.3
129 105.6 81.8 122.8
131 100.9 81.2 121.8





#53

Toluene

Concen: 9.149 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4052575

Ion Ratio Lower Upper

91 100

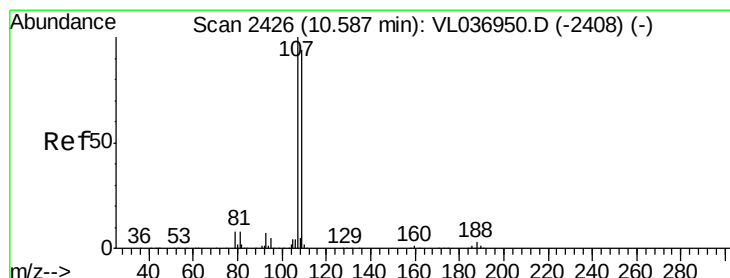
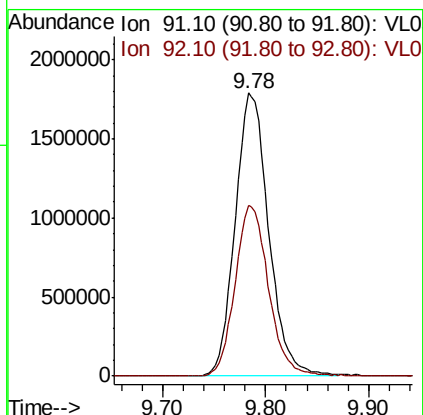
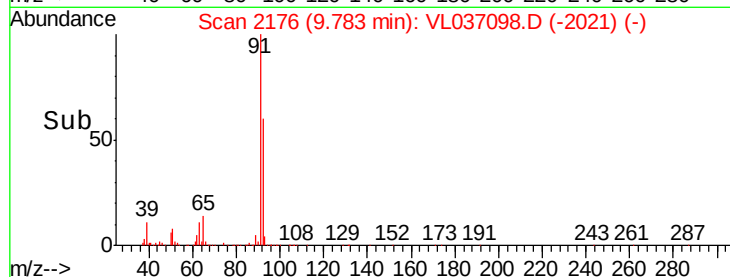
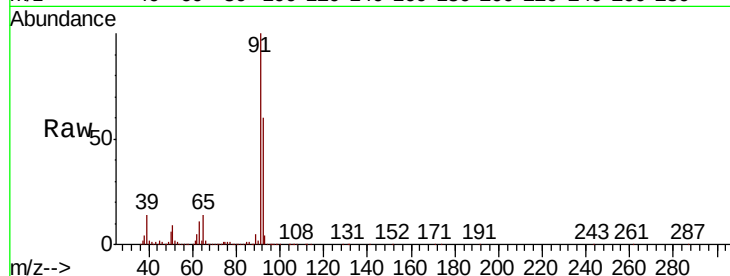
92 60.5 49.5 74.3

Manual Integrations

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MMDadoda

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#54

1,2-Dibromoethane

Concen: 10.147 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037098.D

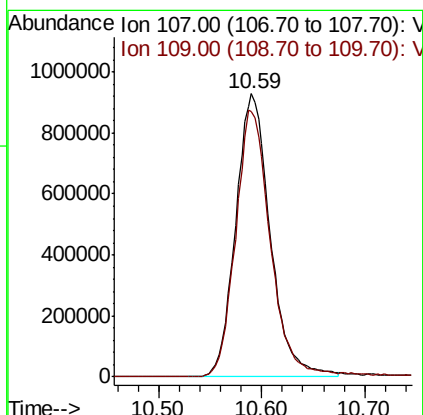
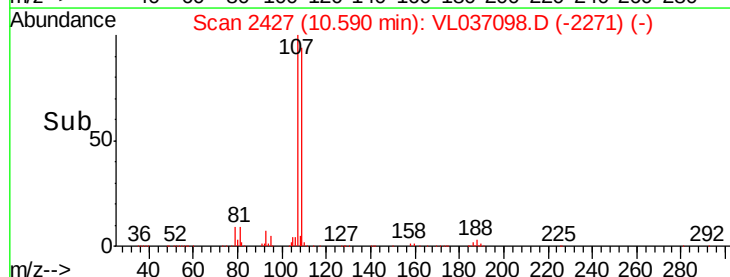
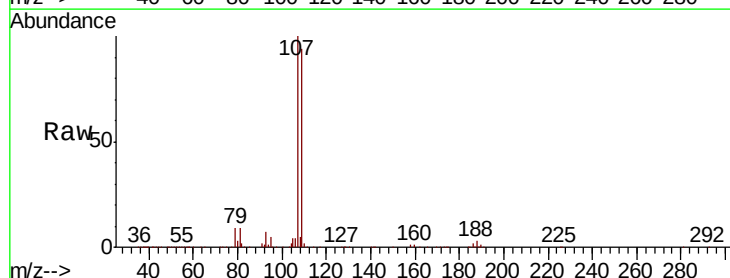
Acq: 2 Jun 2021 11:10

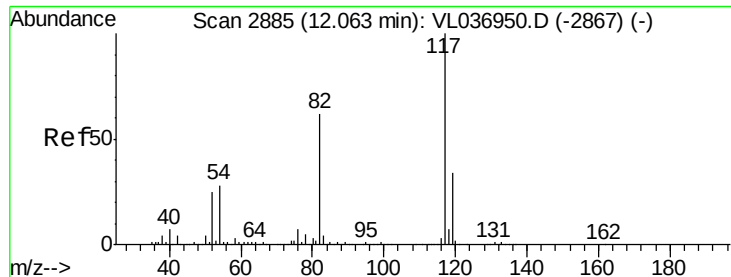
Tgt Ion: 107 Resp: 2165257

Ion Ratio Lower Upper

107 100

109 93.9 75.0 112.4





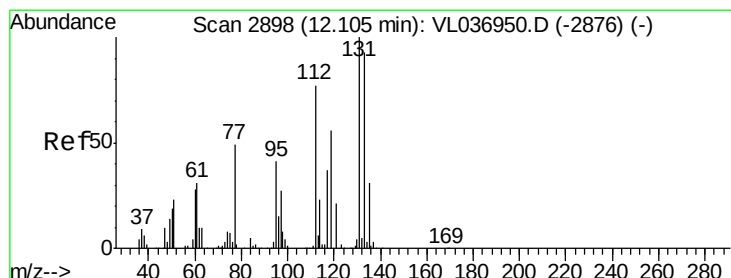
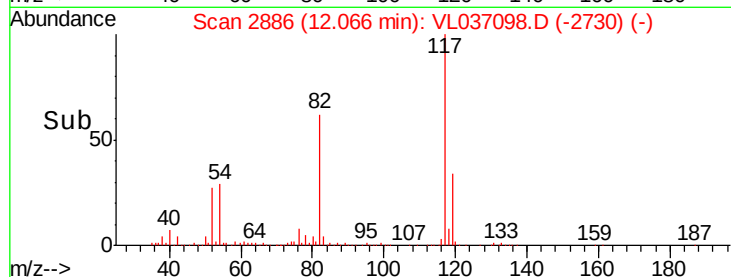
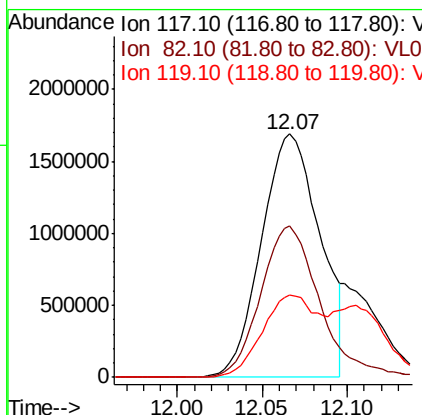
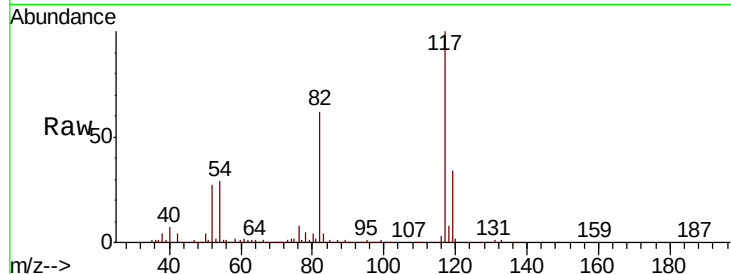
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4038498
Ion Ratio Lower Upper
117 100
82 63.8 52.6 79.0
119 59.6 46.6 70.0

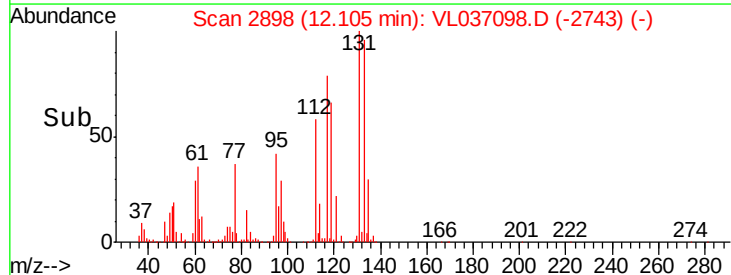
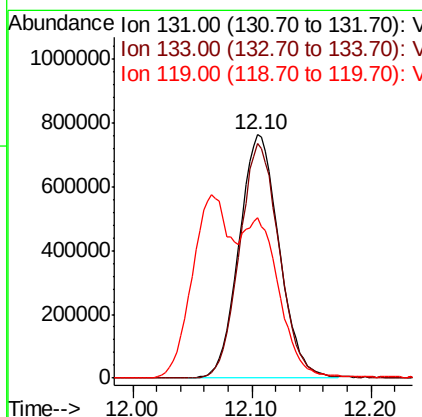
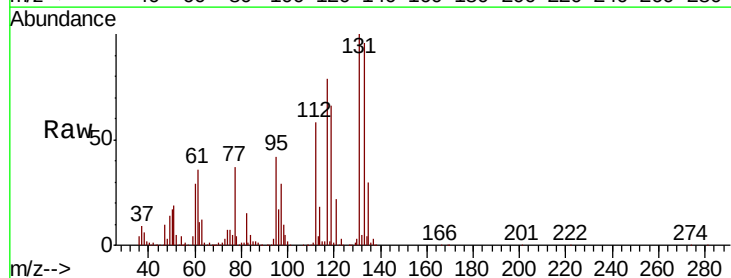
Manual Integrations
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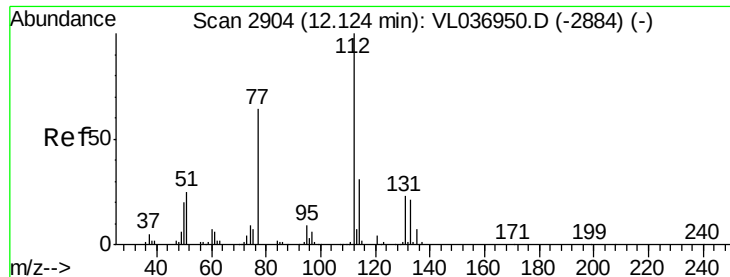
MMDadoda
6/7/2021 3:00:25 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.451 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion:131 Resp: 1775901
Ion Ratio Lower Upper
131 100
133 96.2 76.9 115.3
119 59.0 120.2 180.4#





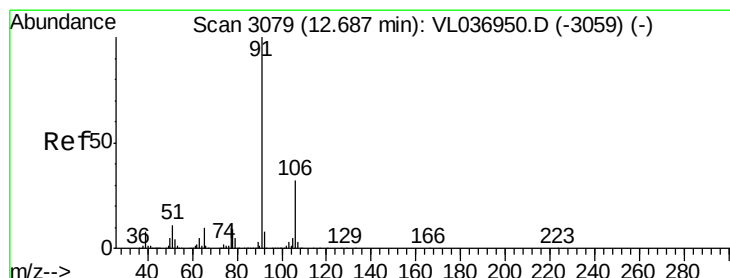
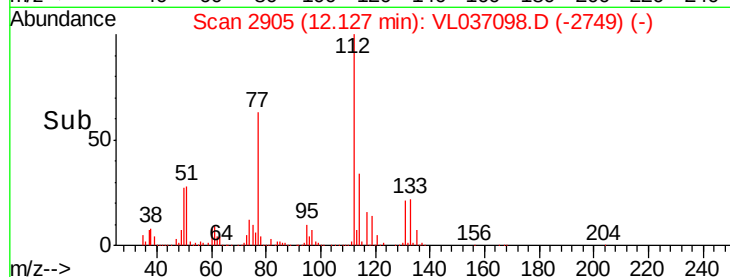
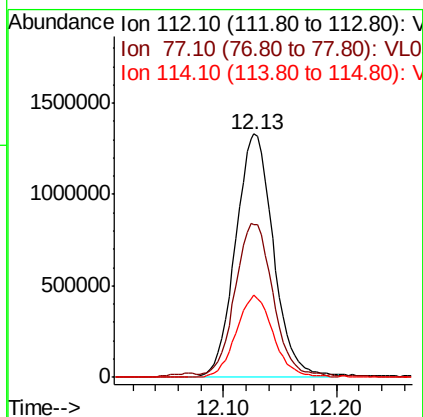
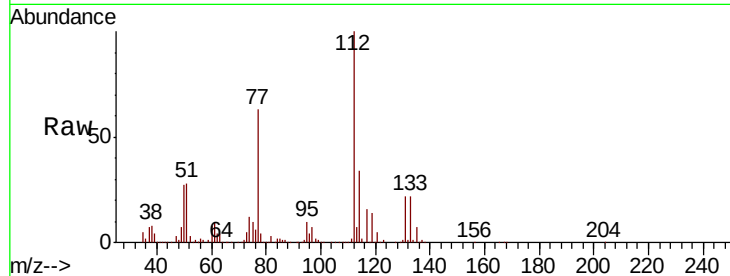
#57
Chlorobenzene
Concen: 9.892 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 3097430
Ion Ratio Lower Upper
112 100
77 62.0 51.0 76.6
114 33.9 28.3 34.5

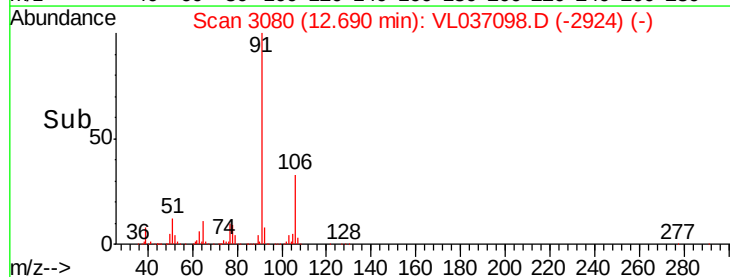
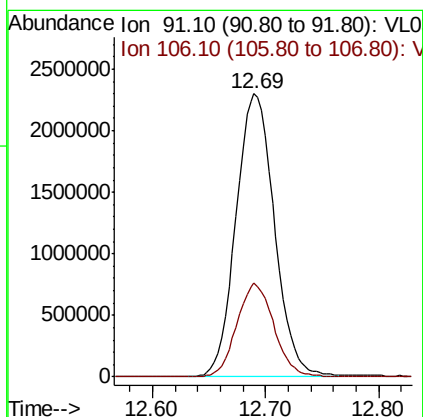
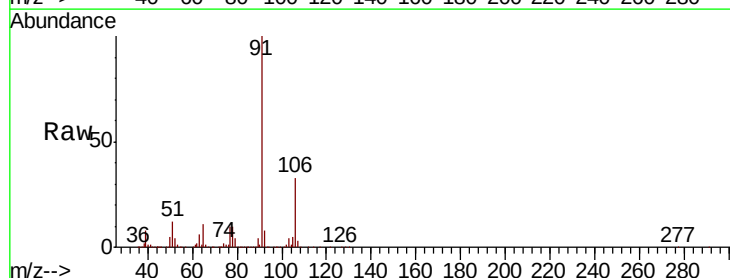
Manual Integrations
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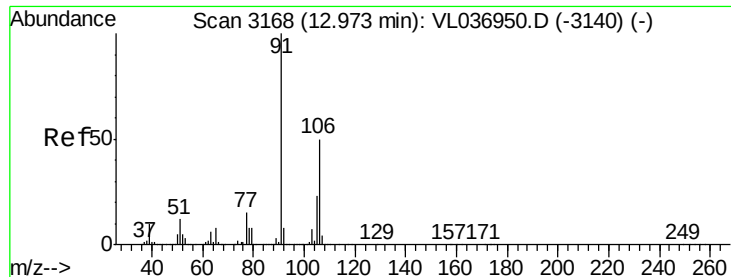
MMDadoda
6/7/2021 3:00:25 PM



#58
Ethyl Benzene
Concen: 9.544 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 91 Resp: 5440182
Ion Ratio Lower Upper
91 100
106 33.1 25.6 38.4





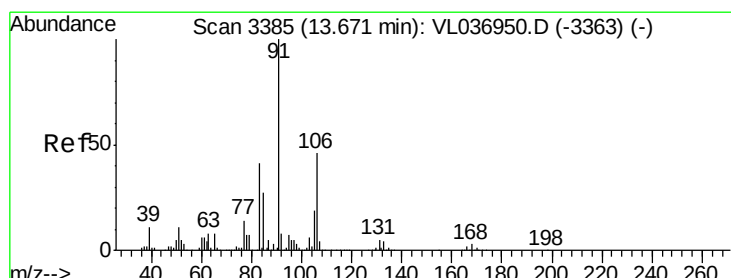
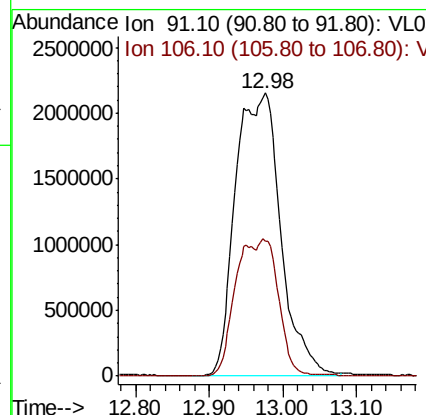
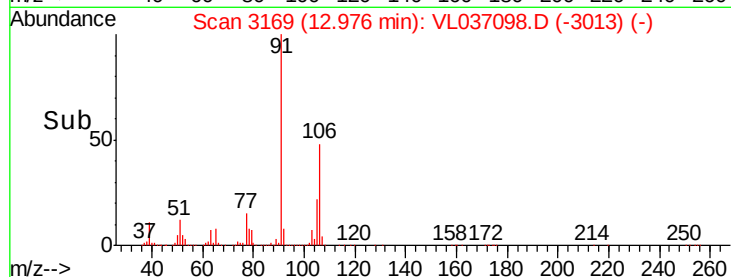
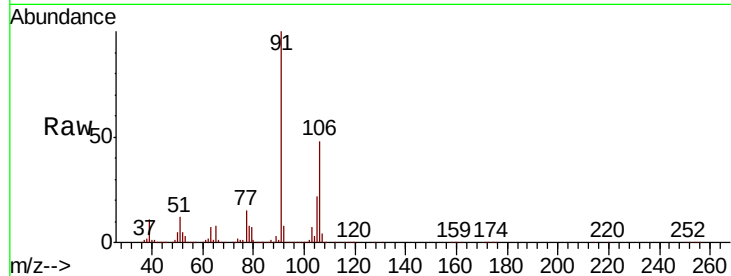
#59
m/p-Xylene
Concen: 19.533 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9203006
Ion Ratio Lower Upper
91 100
106 45.8 37.4 56.2

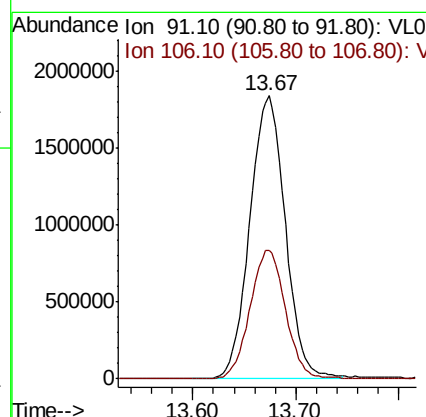
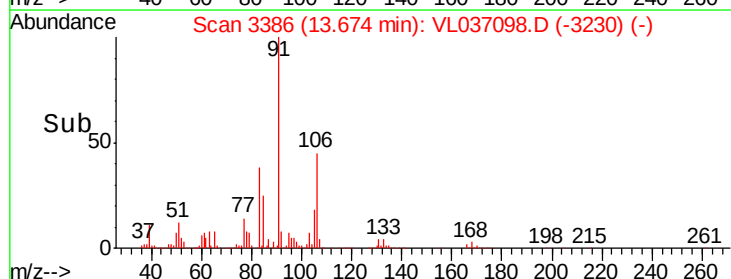
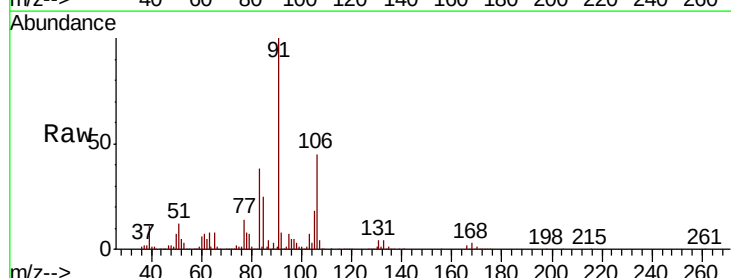
Manual Integrations
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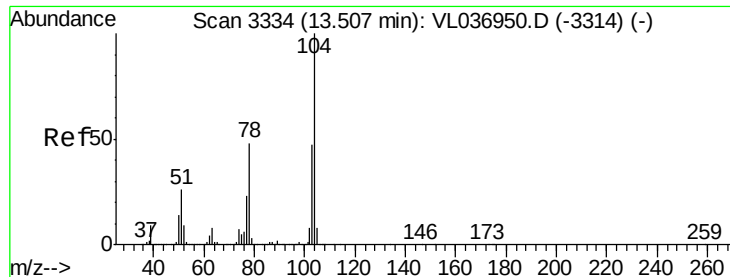
MMDadoda
6/7/2021 3:00:25 PM



#60
o-Xylene
Concen: 9.778 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 91 Resp: 4393874
Ion Ratio Lower Upper
91 100
106 46.0 23.4 70.3





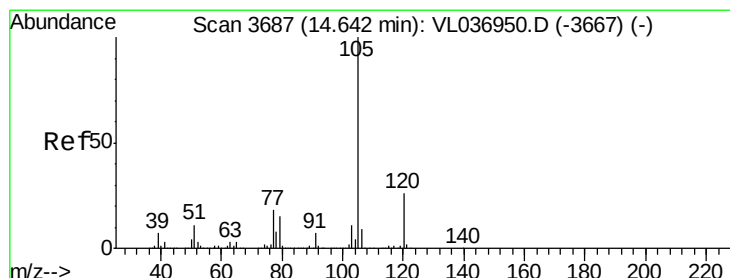
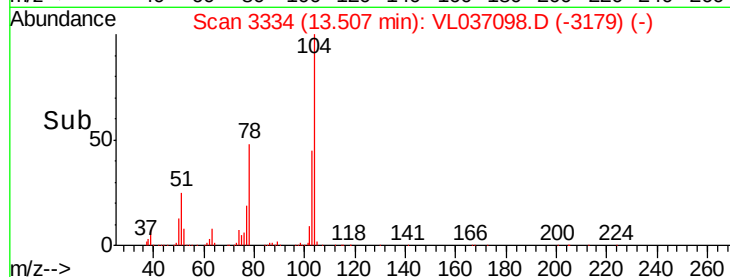
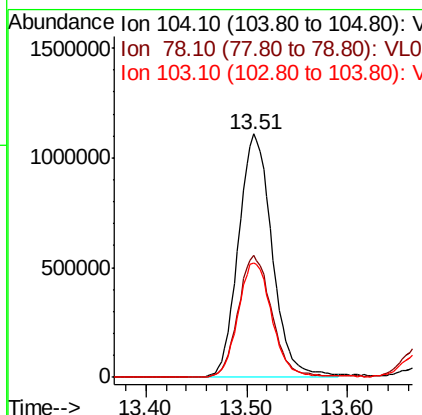
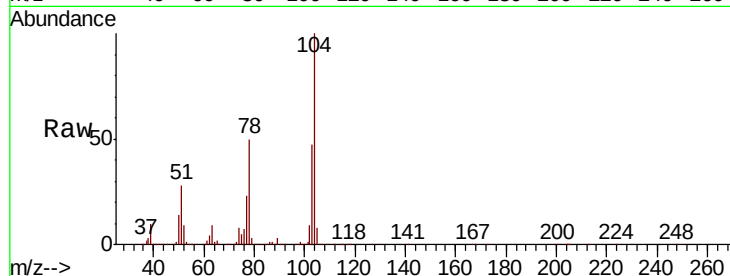
#61
Stvrene
Concen: 10.148 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.0	58.6
103	47.6	38.0	57.0

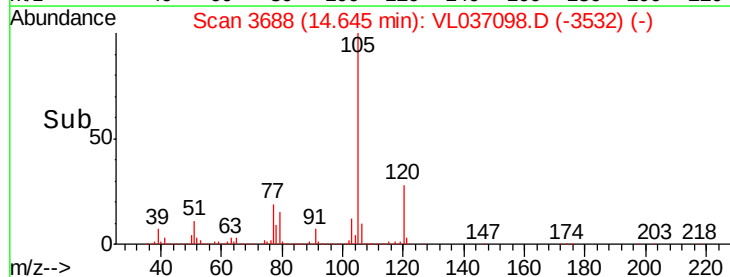
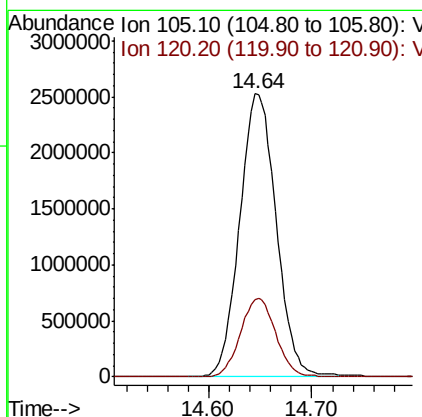
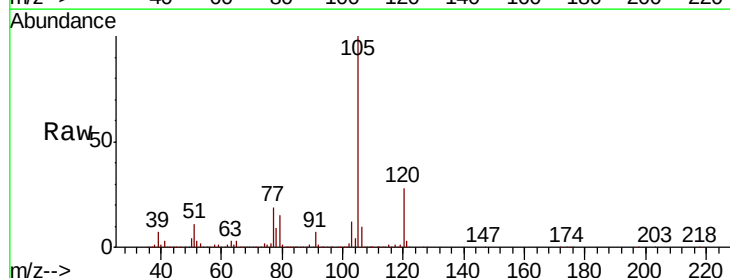
Manual Integrations
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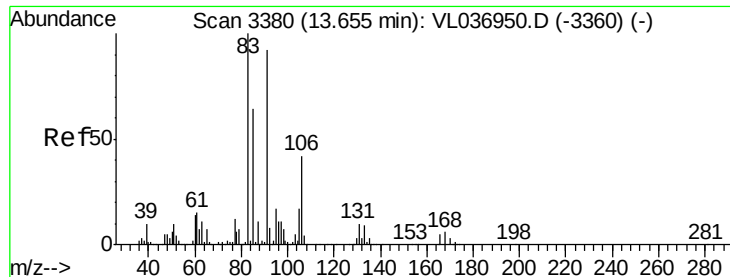
MMDadoda
6/7/2021 3:00:25 PM



#62
Isopropylbenzene
Concen: 9.618 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 8.901 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2987106

Ion Ratio Lower Upper

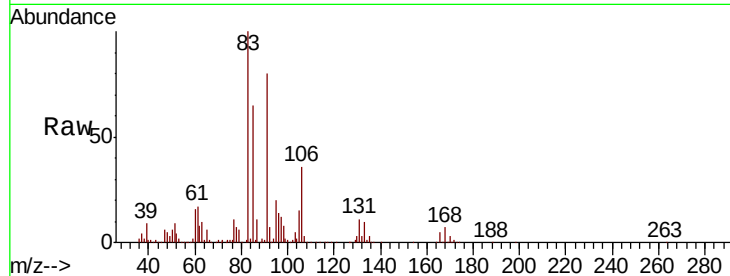
83 100

131 11.0 5.0 15.0

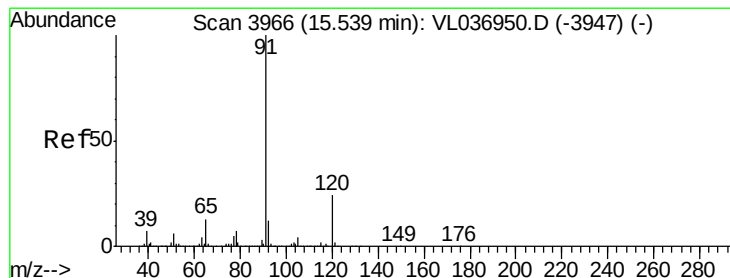
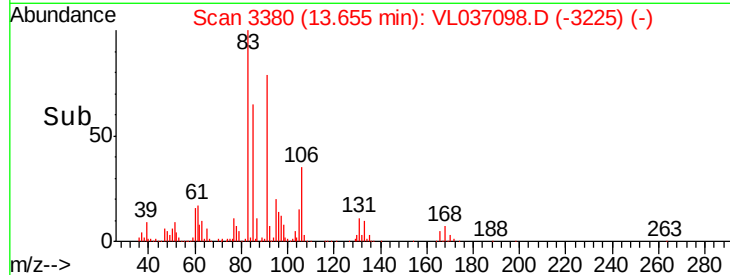
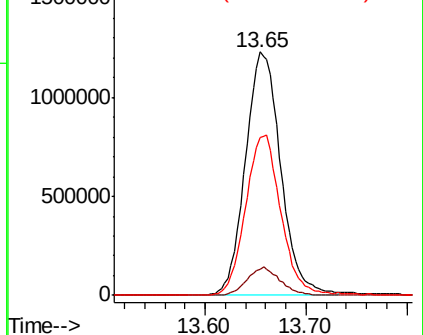
85 66.5 32.9 98.6

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.225 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.01 min

Lab File: VL037098.D

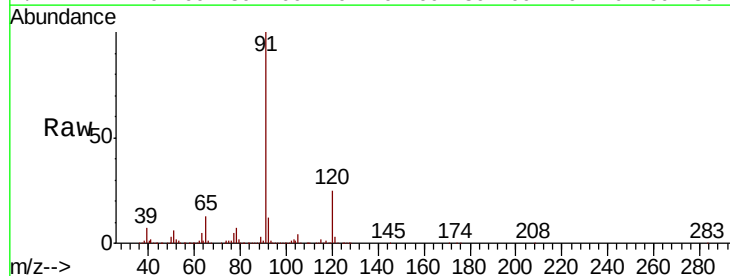
Acq: 2 Jun 2021 11:10

Tgt Ion:120 Resp: 1703701

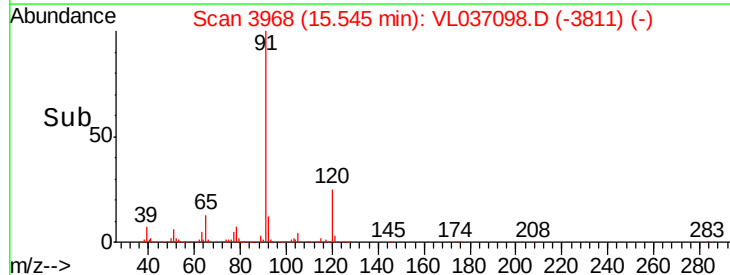
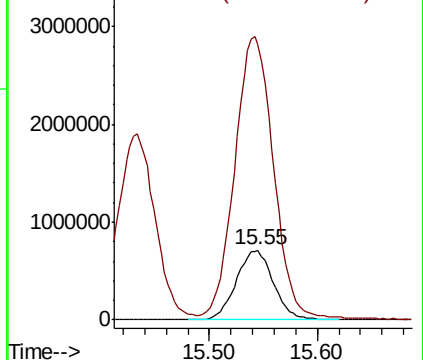
Ion Ratio Lower Upper

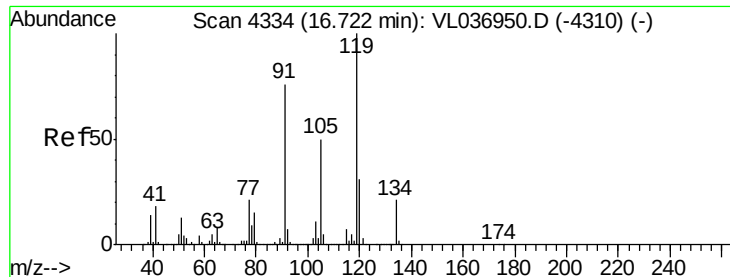
120 100

91 428.1 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





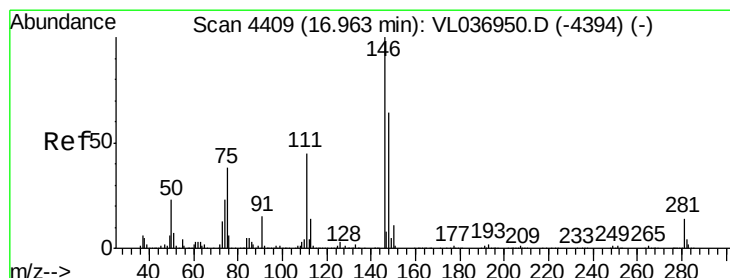
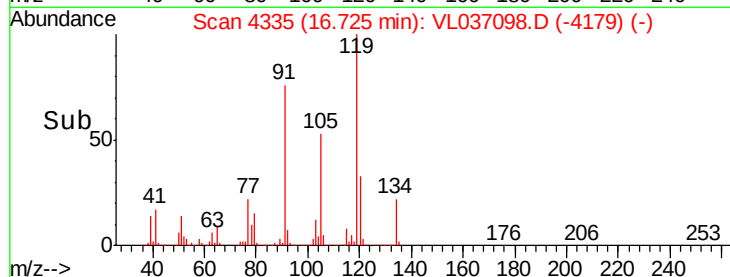
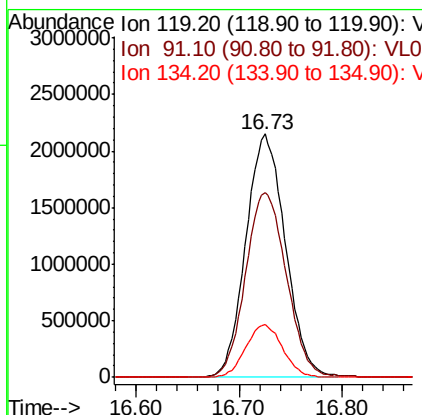
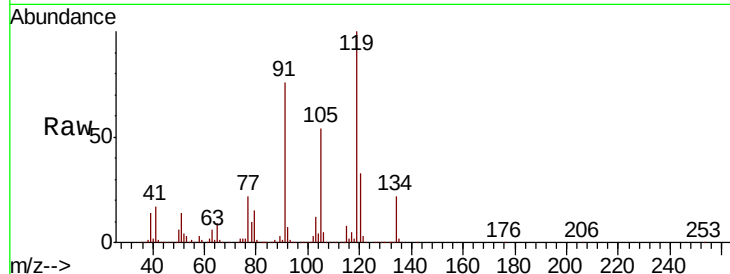
#65
tert-Butylbenzene
Concen: 9.824 ppbv
RT: 16.73 min Scan# 4335
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 119 Resp: 5724640
Ion Ratio Lower Upper
119 100
91 78.8 61.9 92.9
134 20.4 16.2 24.4

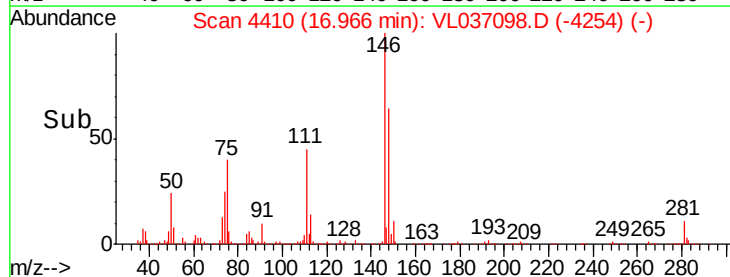
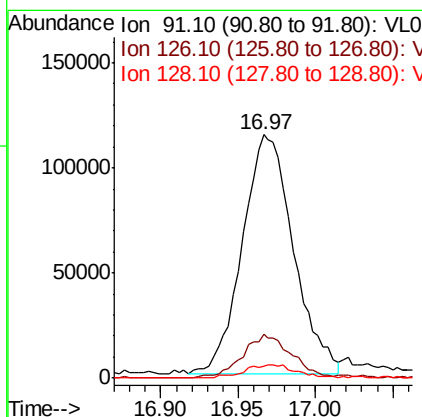
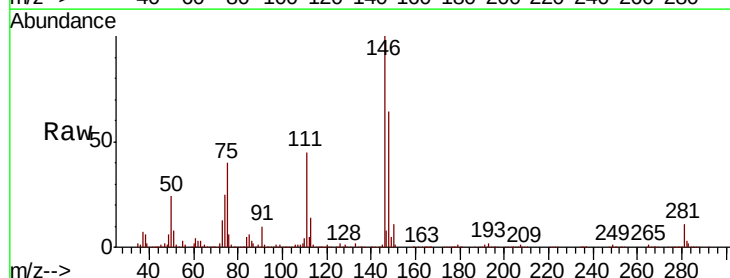
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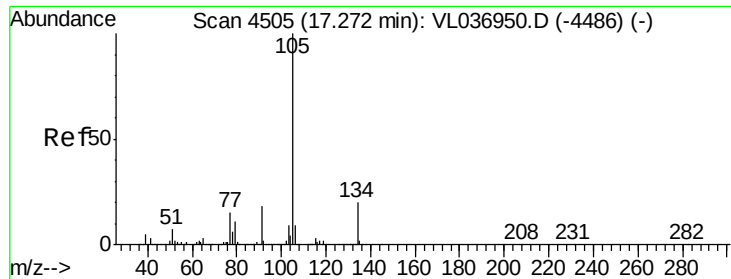
MMDadoda
6/7/2021 3:00:25 PM



#66
Benzyl Chloride
Concen: 8.146 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 91 Resp: 263373
Ion Ratio Lower Upper
91 100
126 18.4 16.5 24.7
128 6.0 5.5 8.3





#67

sec-Butylbenzene

Concen: 9.643 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 7665597

Ion Ratio Lower Upper

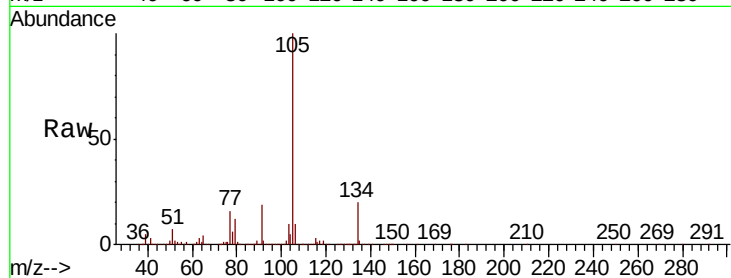
105 100

134 20.1 15.6 23.4

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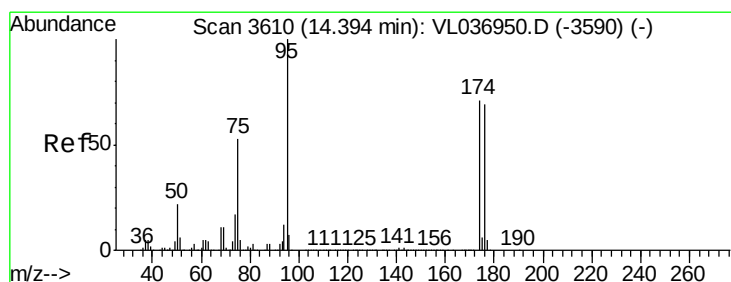
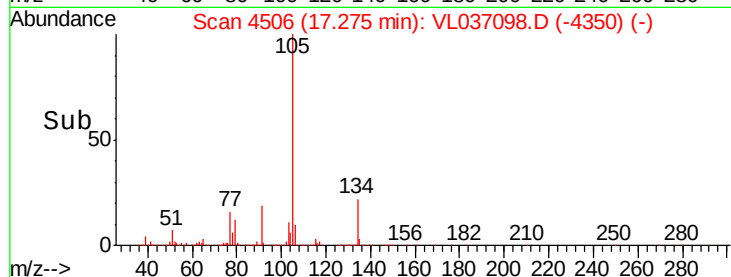
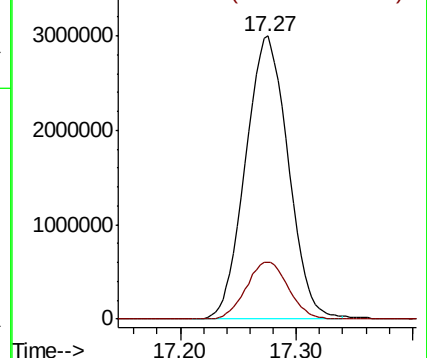
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.498 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

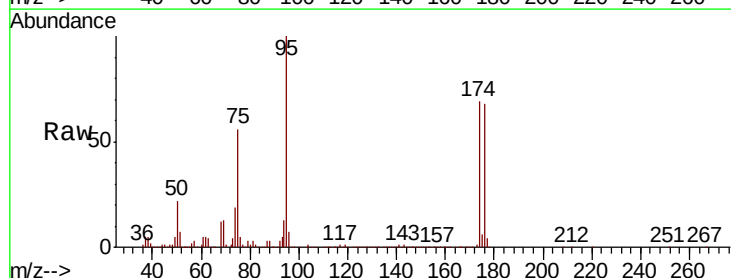
Tgt Ion: 95 Resp: 3184872

Ion Ratio Lower Upper

95 100

174 71.6 58.4 87.6

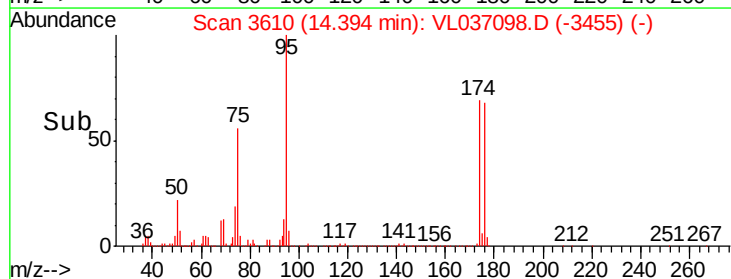
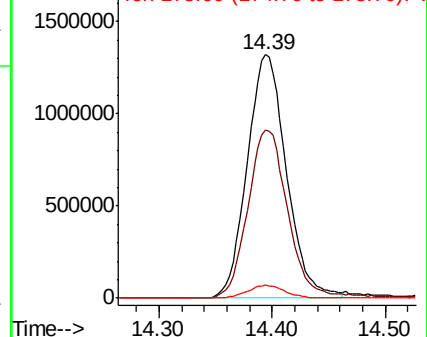
175 5.5 4.4 6.6

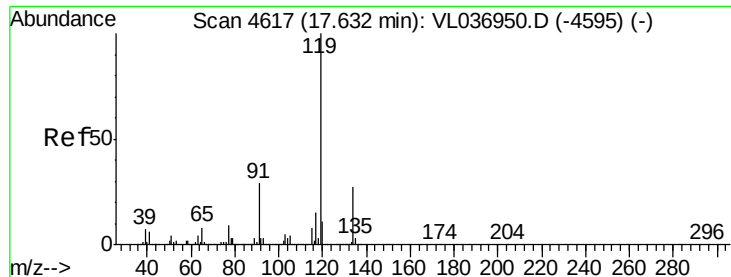


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





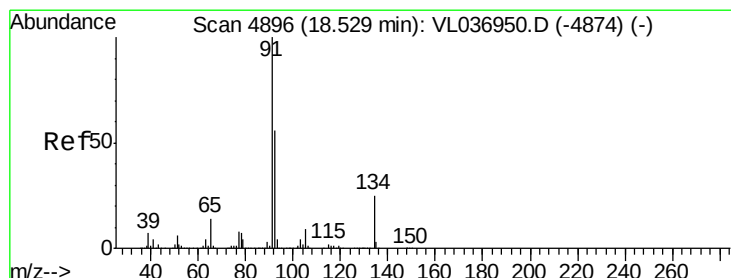
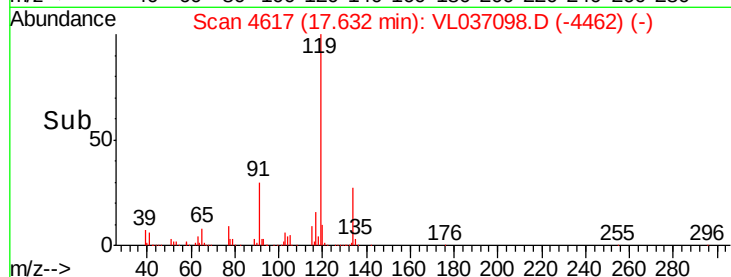
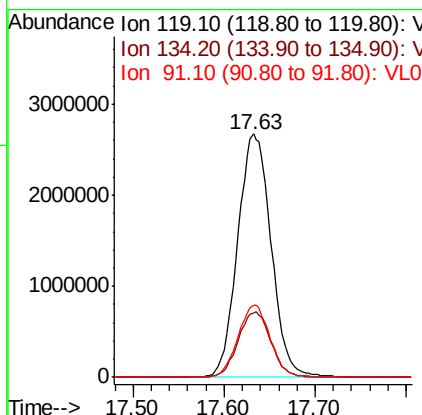
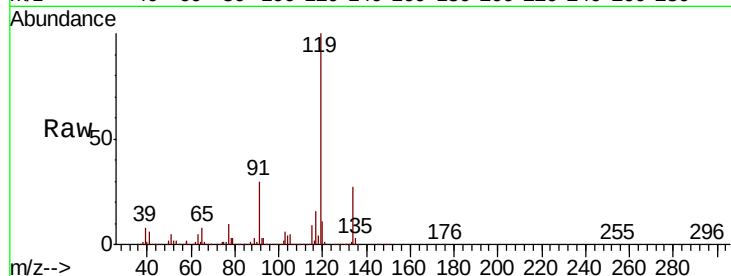
#69
 p-Isopropyltoluene
 Concen: 9.968 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	28.7	22.2	33.4

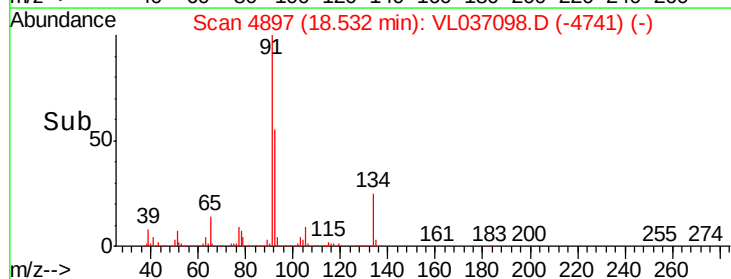
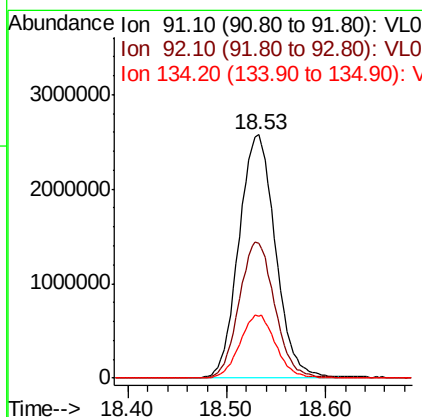
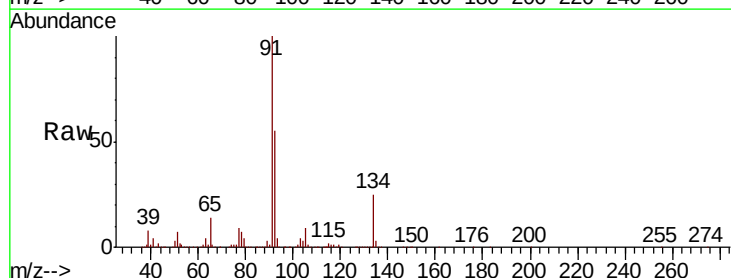
Manual Integrations
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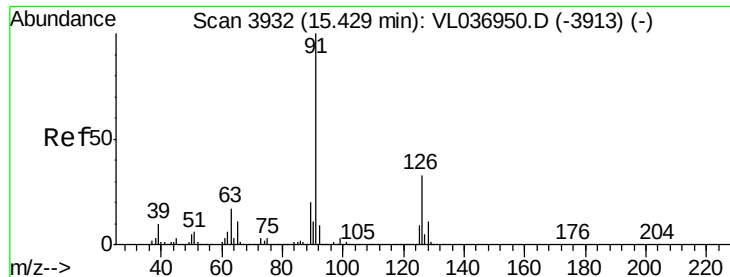
MMDadoda
 6/7/2021 3:00:25 PM



#70
 n-Butylbenzene
 Concen: 10.170 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.6	66.8
134	25.5	20.2	30.2





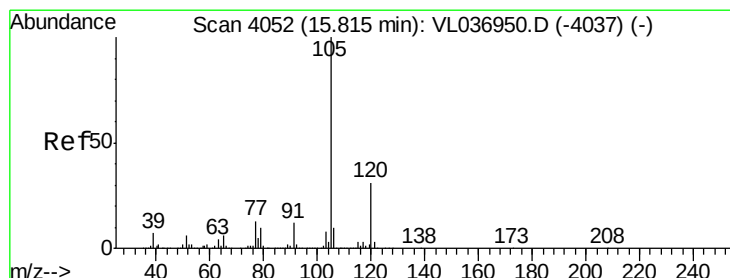
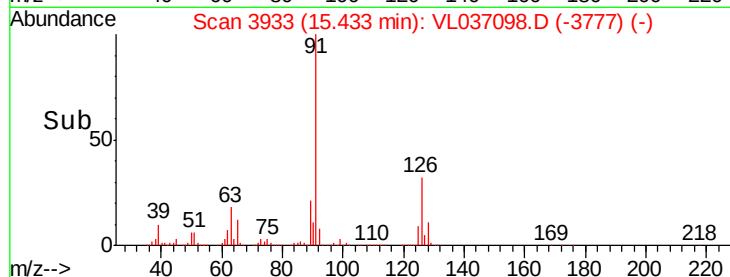
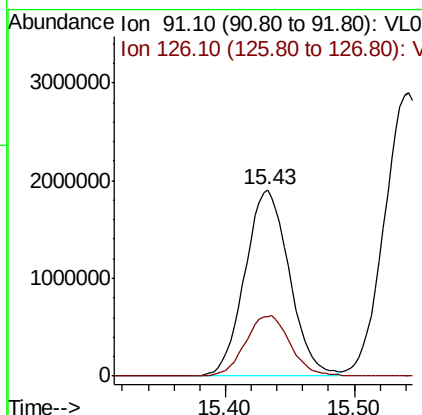
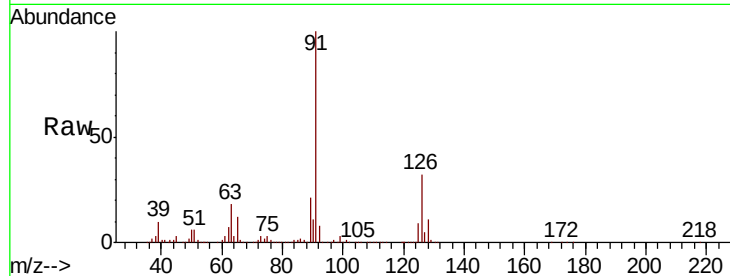
#71
2-Chlorotoluene
Concen: 9.791 ppbv
RT: 15.43 min Scan# 3933
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4566909
Ion Ratio Lower Upper
91 100
126 33.4 13.1 52.5

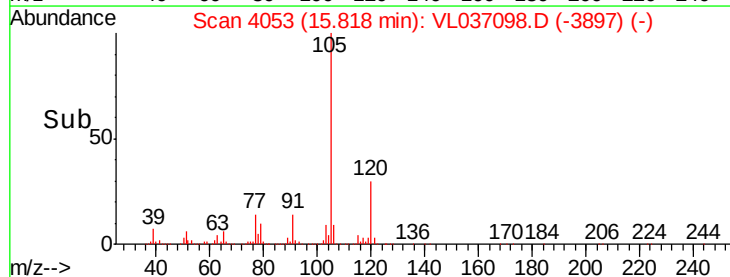
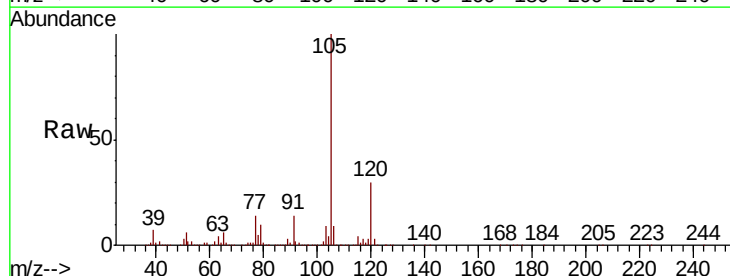
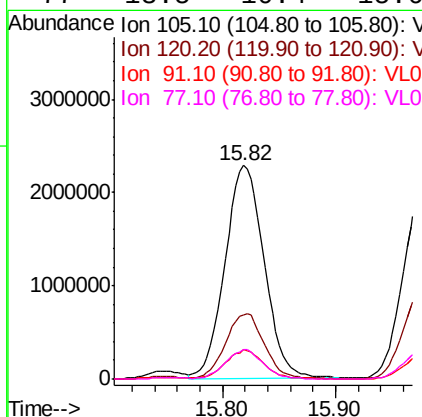
Manual Integrations
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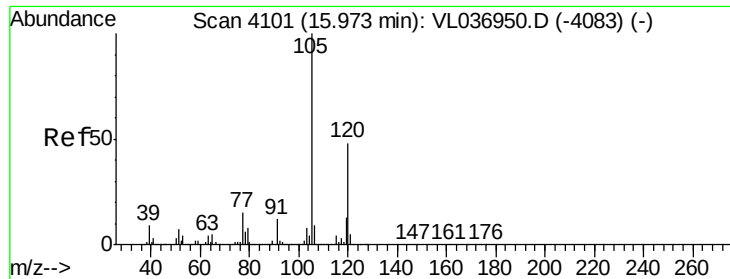
MMDadoda
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#72
4-Ethyltoluene
Concen: 10.256 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 105 Resp: 5469993
Ion Ratio Lower Upper
105 100
120 30.6 24.6 37.0
91 13.0 9.8 14.6
77 13.5 10.4 15.6





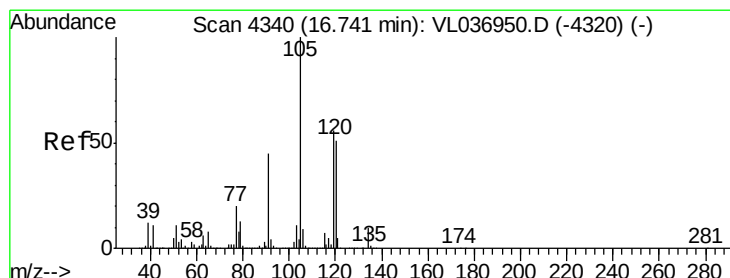
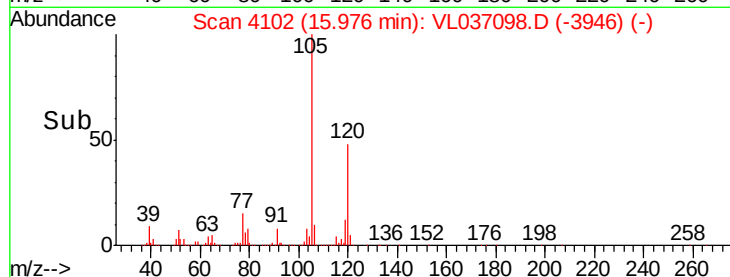
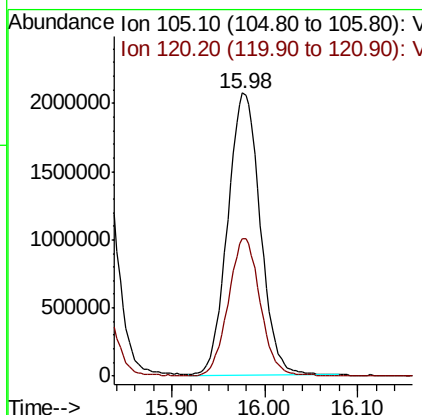
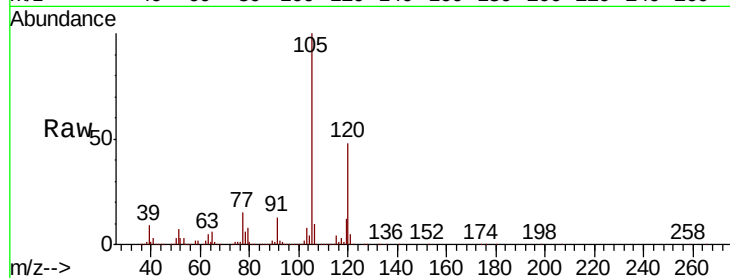
#73
 1,3,5-Trimethylbenzene
 Concen: 10.064 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 5040132
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.6 58.0

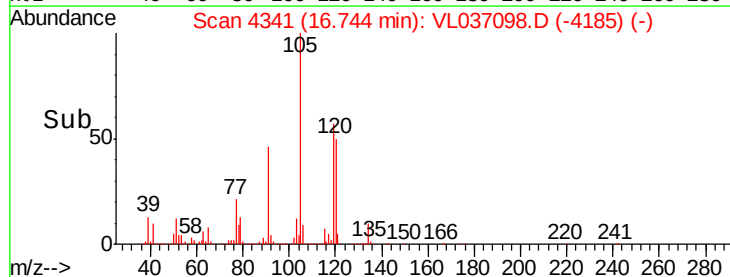
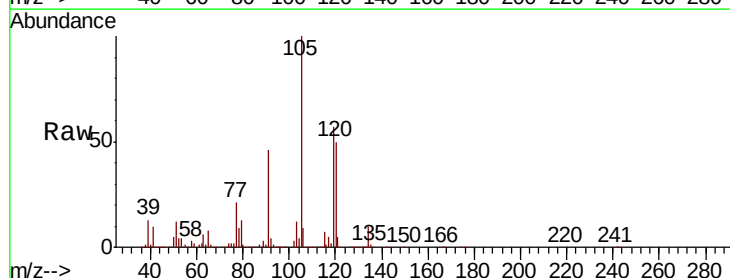
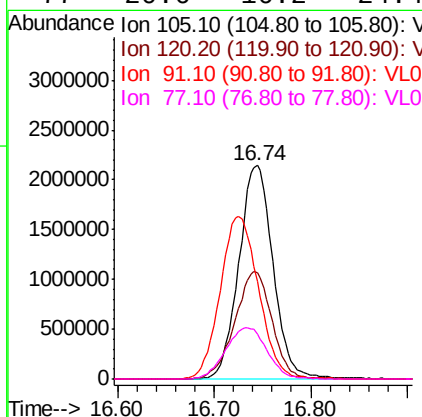
Manual Integrations
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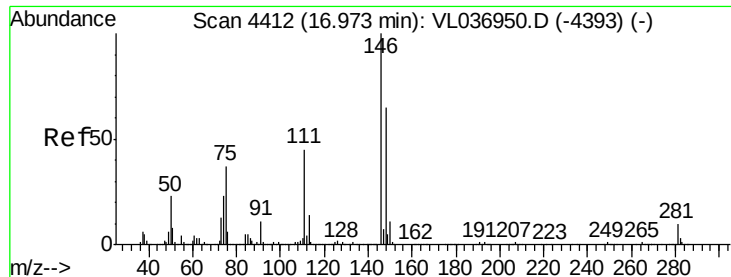
MMDadoda
 6/7/2021 3:00:25 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.165 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion:105 Resp: 5263744
 Ion Ratio Lower Upper
 105 100
 120 49.7 40.6 61.0
 91 45.5 37.4 56.0
 77 20.6 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 10.372 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3279847

Ion Ratio Lower Upper

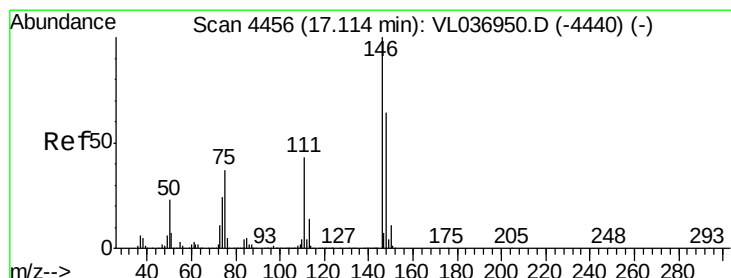
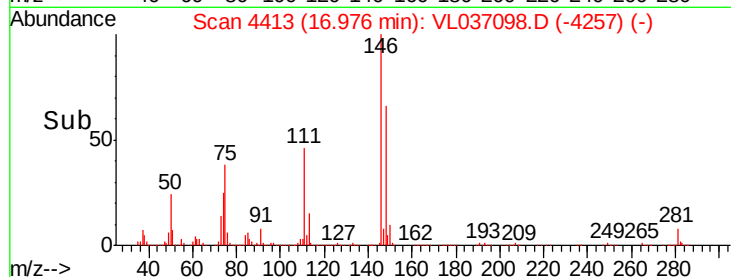
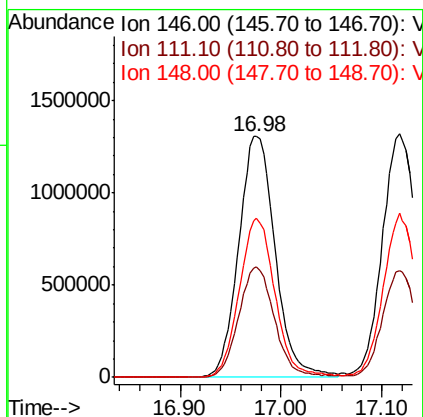
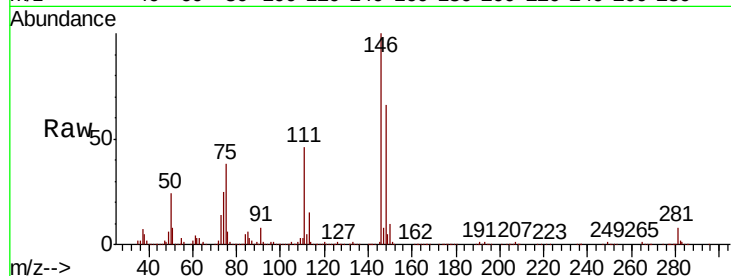
146 100

111 45.1 22.2 66.6

148 64.2 32.3 96.8

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.046 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

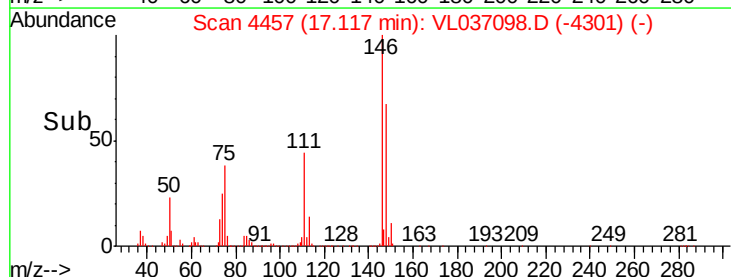
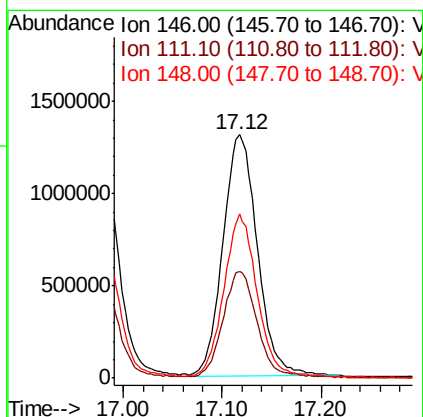
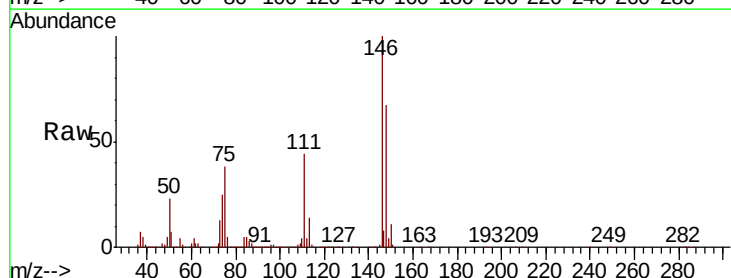
Tgt Ion:146 Resp: 3211896

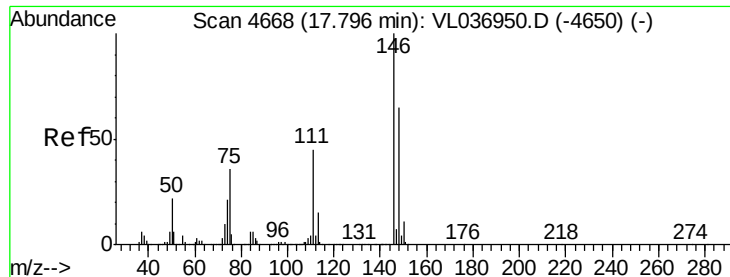
Ion Ratio Lower Upper

146 100

111 44.2 22.6 67.7

148 66.3 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 10.093 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3198115

Ion Ratio Lower Upper

146 100

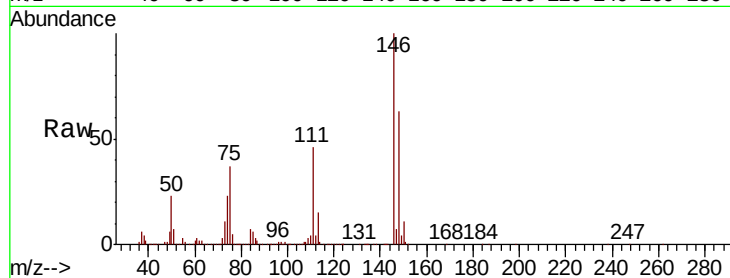
111 46.6 23.1 69.2

148 64.6 32.5 97.4

Manual Integrations
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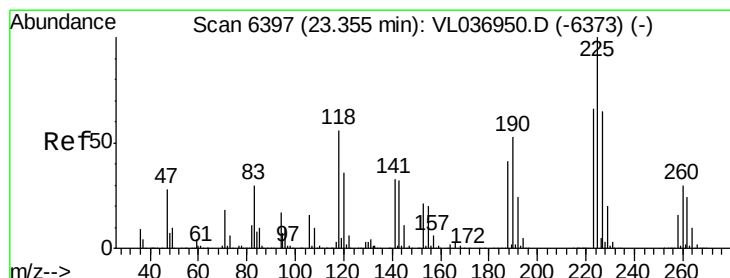
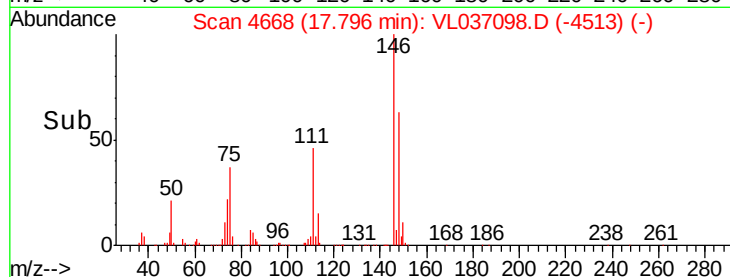
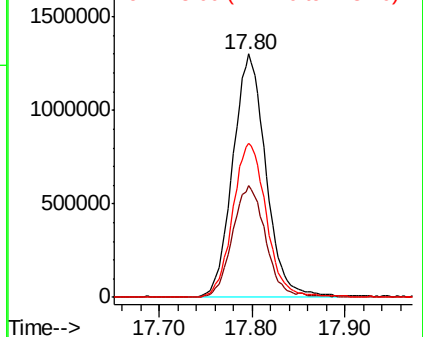


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 9.107 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

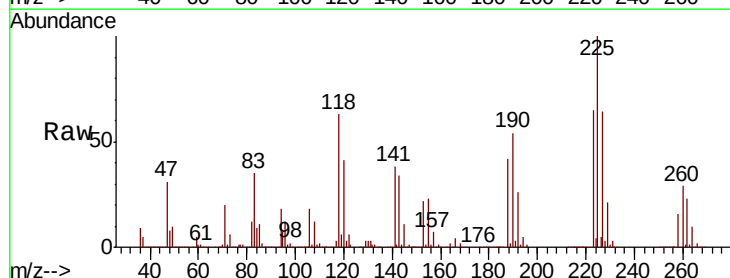
Tgt Ion:225 Resp: 2320287

Ion Ratio Lower Upper

225 100

223 64.8 51.9 77.9

227 65.1 51.8 77.6

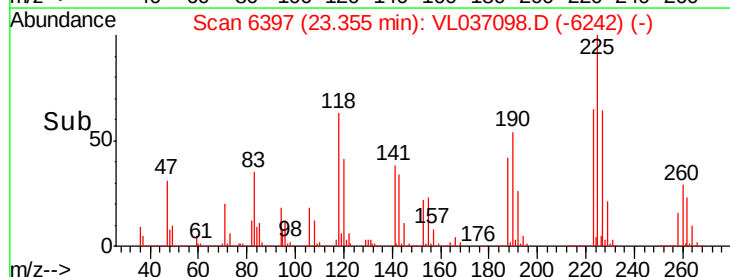
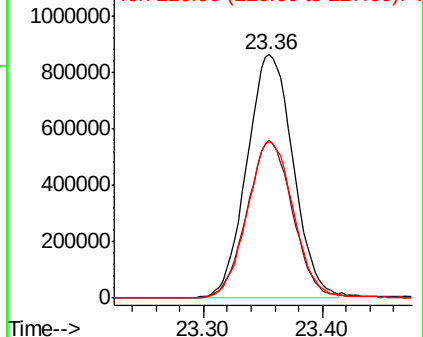


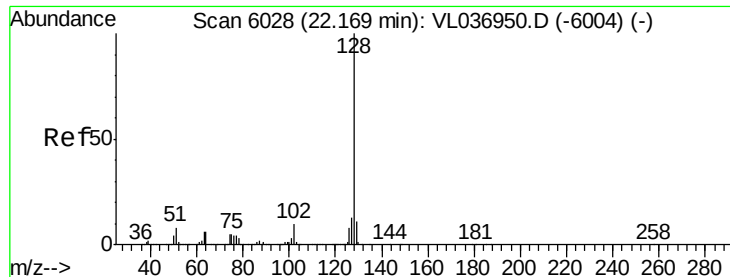
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





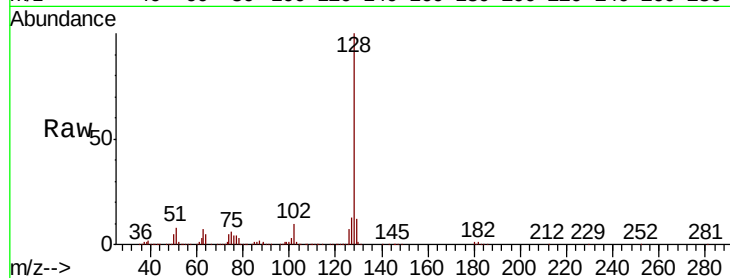
#79
Naphthalene
Concen: 11.266 ppbv
RT: 22.17 min Scan# 6029
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.9	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
6/7/2021 3:00:25 PM

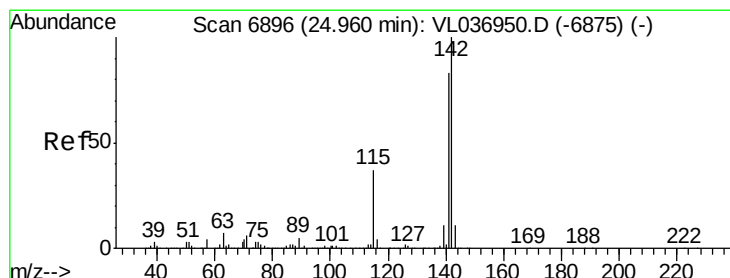
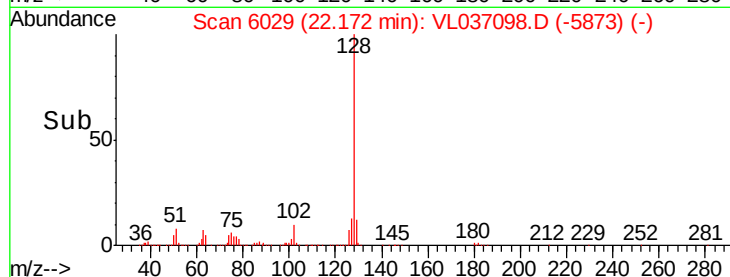
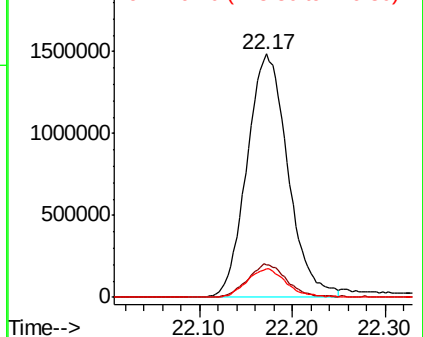


Abundance

Ion 128.10 (127.80 to 128.80): V

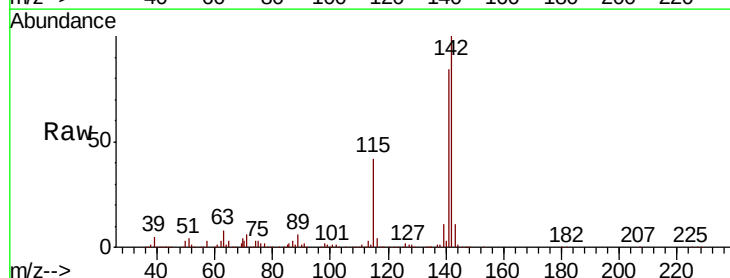
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 11.581 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	69.3	103.9
115	42.2	29.1	43.7

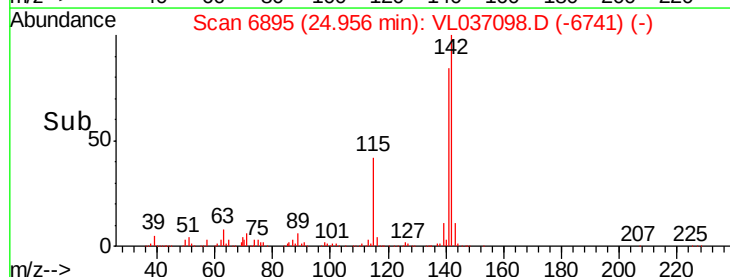
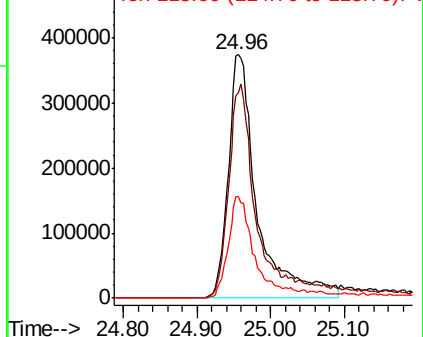


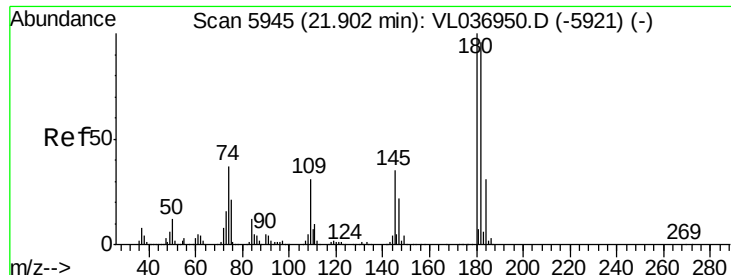
Abundance

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





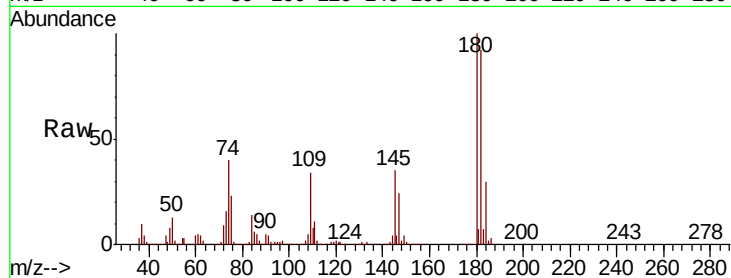
#81
 1,2,4-Trichlorobenzene
 Concen: 10.511 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.1	81.7	122.5
184	31.4	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 3:00:25 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

