

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037057.D
 Acq On : 25 May 2021 11:29
 Operator : SY/AP
 Sample : VL0525ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:27 AM

Quant Time: May 26 01:21:30 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	1170576	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3538125	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3413948m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2536031	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1926610	9.702	ppbv	99
3) Chlorodifluoromethane	2.97	51	2512839	11.717	ppbv	96
4) Chloromethane	3.12	50	821938	11.263	ppbv	97
5) Vinyl Chloride	3.24	62	900618	11.291	ppbv	98
6) Bromomethane	3.46	94	515196	12.257	ppbv	100
7) Chloroethane	3.54	64	338068	13.053	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	2282655	12.243	ppbv	97
9) Propene	2.99	41	786639	10.244	ppbv	96
10) Heptane	8.10	43	2073936	10.837	ppbv	100
11) Trichlorofluoromethane	3.93	101	2380727	12.952	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1658546	12.668	ppbv	97
13) Ethanol	3.59	45	111823m	10.914	ppbv	
14) Bromoethene	3.72	108	689657	11.959	ppbv	95
15) Acetone	3.83	43	1200607	10.014	ppbv	96
16) 1,3-Butadiene	3.31	39	905269	12.153	ppbv	97
17) tert-Butyl alcohol	4.27	59	1354243	12.331	ppbv	99
18) 1,1-Dichloroethene	4.27	96	744965	12.305	ppbv	96
19) Isopropyl Alcohol	3.95	45	799223	12.400	ppbv	# 35
20) Methylene Chloride	4.32	84	620528	9.655	ppbv	98
21) Allyl Chloride	4.39	41	1035165	11.445	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	743677	12.817	ppbv	96
23) Vinyl Acetate	5.05	43	1969224	10.348	ppbv	# 97
24) 1,1-Dichloroethane	4.99	63	1495536	10.918	ppbv	98
25) Ethyl Acetate	5.66	43	3234937	11.228	ppbv	99
26) Hexane	5.66	57	1575813	10.706	ppbv	99
27) Carbon Disulfide	4.53	76	1728784	11.654	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1683840	9.544	ppbv	100
29) Chloroform	5.73	83	2522585	12.131	ppbv	98
30) Cyclohexane	7.11	84	1376229	11.003	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1557250	11.801	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2630207	11.779	ppbv	98
34) 2-Butanone	5.23	43	1501504	11.655	ppbv	98
35) Carbon Tetrachloride	7.00	117	2825416	12.019	ppbv	99
36) Benzene	6.87	78	3273253	10.740	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1927343	12.756	ppbv	99
38) Trichloroethene	7.81	130	1389872	10.661	ppbv	96
39) 1,2-Dichloropropane	7.59	63	1254068	10.682	ppbv	99
40) 1,4-Dioxane	7.82	88	275816	9.950	ppbv	# 100
41) Tetrahydrofuran	6.03	42	740198	10.088	ppbv	98
42) Bromodichloromethane	7.77	83	2723887	11.916	ppbv	97
43) Methyl Methacrylate	7.99	69	1183812	11.270	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5394343	10.317	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	918873	11.450	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1213848	11.246	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1405750	11.441	ppbv	98
48) Dibromochloromethane	10.28	129	2509204	12.612	ppbv	99
49) Bromoform	13.02	173	2065451	12.571	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2361273	11.107	ppbv	98
51) 2-Hexanone	10.12	43	1237893	11.014	ppbv #	96
52) Tetrachloroethene	11.20	164	1345146	11.100	ppbv	97
53) Toluene	9.78	91	3920935	10.813	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2063327	11.811	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1718360	11.962	ppbv #	56
57) Chlorobenzene	12.13	112	2987693	11.287	ppbv	97
58) Ethyl Benzene	12.69	91	5258944	10.914	ppbv	99
59) m/p-Xylene	12.98	91	8855328m	22.233	ppbv	
60) o-Xylene	13.67	91	4225910	11.125	ppbv	99
61) Styrene	13.51	104	2467851	11.532	ppbv	99
62) Isopropylbenzene	14.64	105	5973984	10.943	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2849309	10.043	ppbv	98
64) n-propylbenzene	15.54	120	1610219	11.432	ppbv	97
65) tert-Butylbenzene	16.72	119	5502017	11.169	ppbv	99
66) Benzyl Chloride	16.97	91	240117	8.785	ppbv	99
67) sec-Butylbenzene	17.27	105	7404068	11.018	ppbv	100
69) p-Isopropyltoluene	17.63	119	6553898	11.343	ppbv	99
70) n-Butylbenzene	18.53	91	6324624	11.523	ppbv	99
71) 2-Chlorotoluene	15.43	91	4389845	11.133	ppbv	98
72) 4-Ethyltoluene	15.82	105	5215148	11.567	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4779787	11.290	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5026753	11.483	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	3108166	11.627	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3084503	11.413	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3057936	11.417	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2222604	10.320	ppbv	99
79) Naphthalene	22.17	128	4452895	12.964	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	1261027	16.884	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2543460	12.147	ppbv	97

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

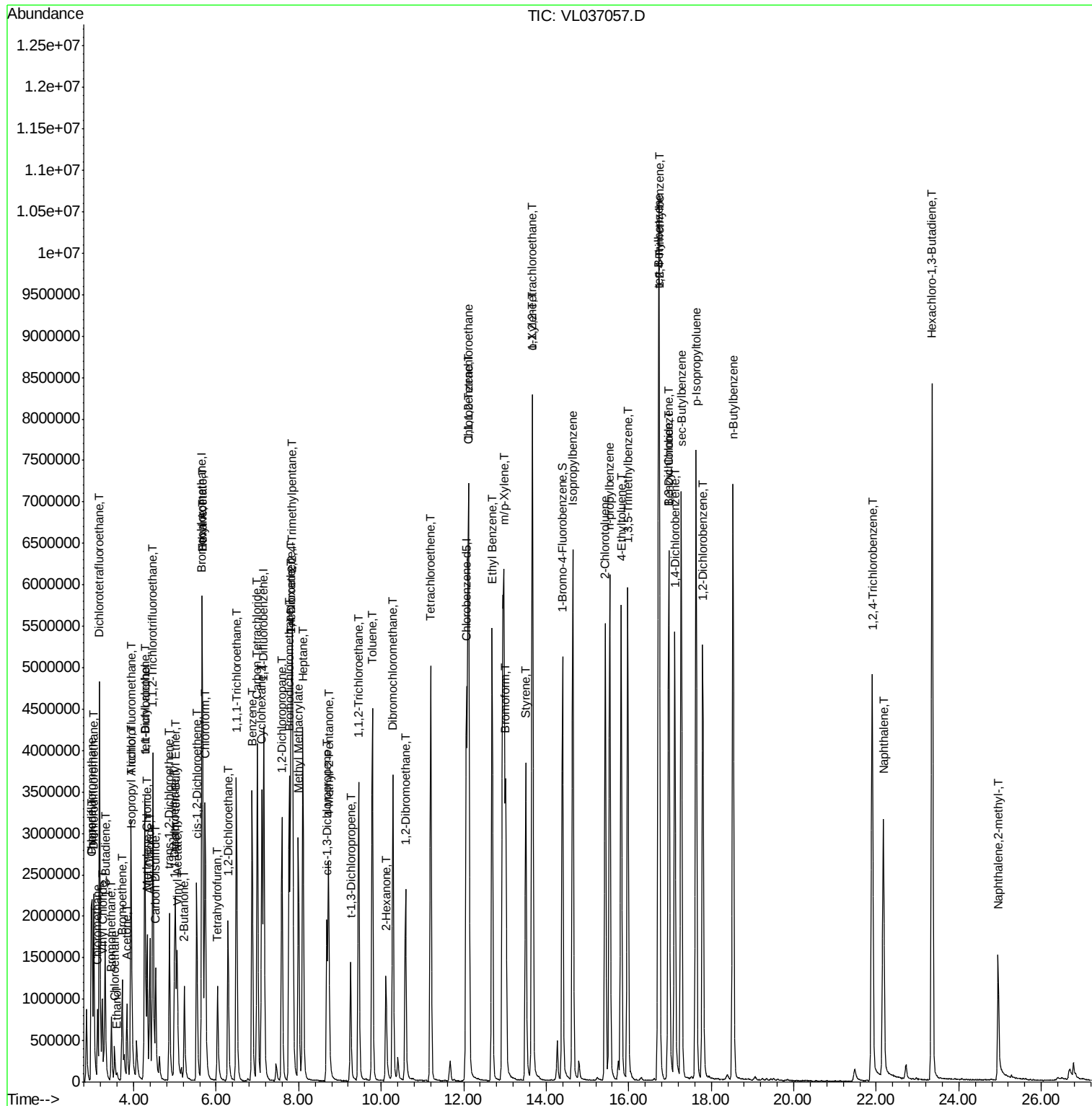
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
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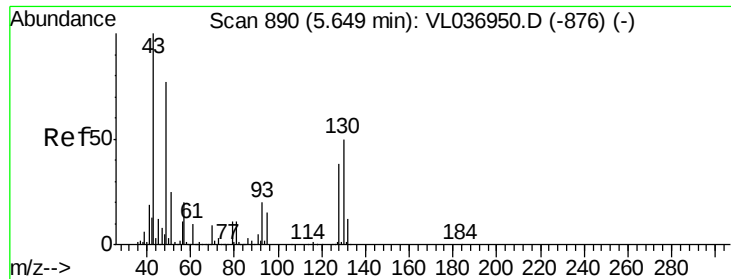
Instrument :
MSVOA_L
ClientSampleId :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion: 49 Resp: 1170576

Ion Ratio Lower Upper

49 100

128 59.3 26.9 80.7

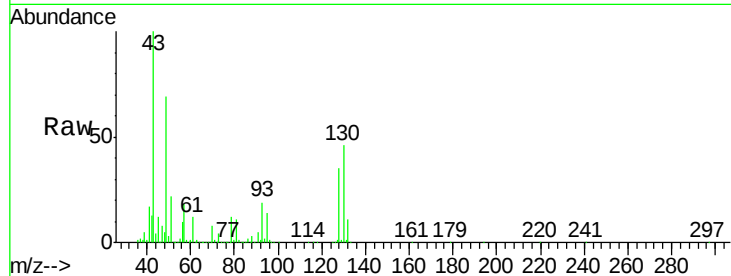
130 73.7 33.8 101.4

Manual Integrations

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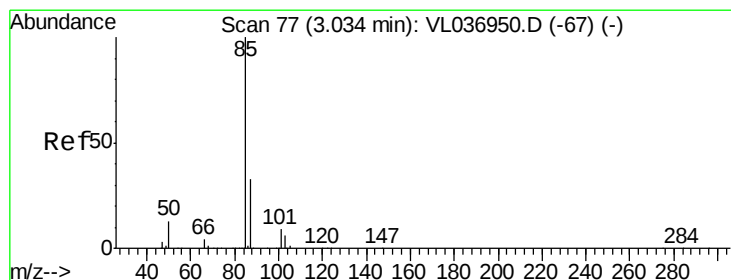
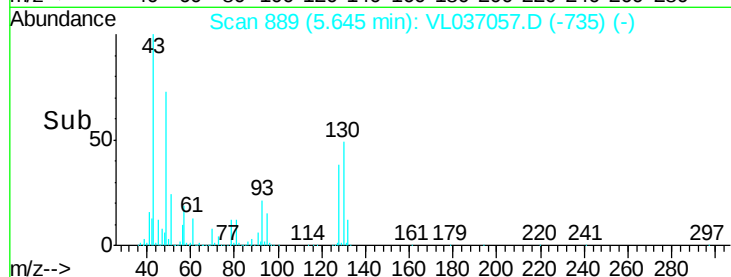
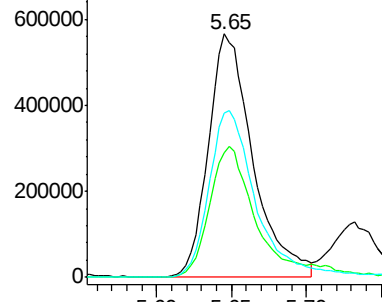
5/27/2021 10:31:27 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.702 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL037057.D

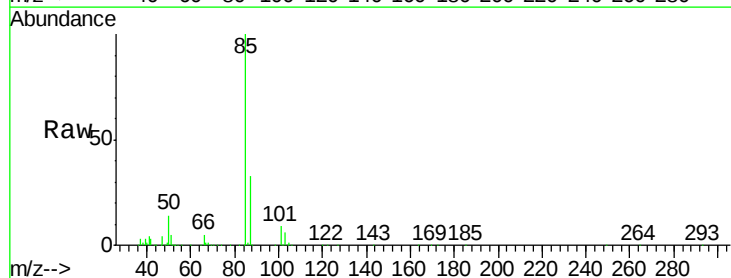
Acq: 25 May 2021 11:29

Tgt Ion: 85 Resp: 1926610

Ion Ratio Lower Upper

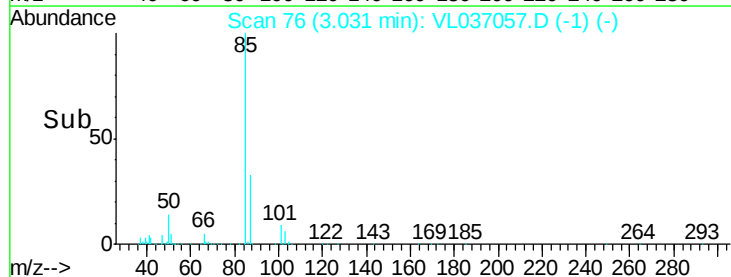
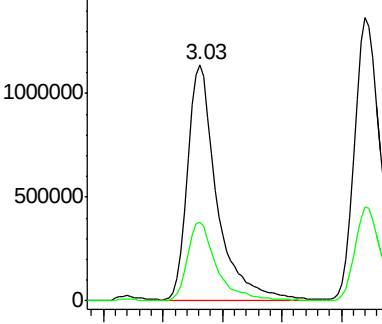
85 100

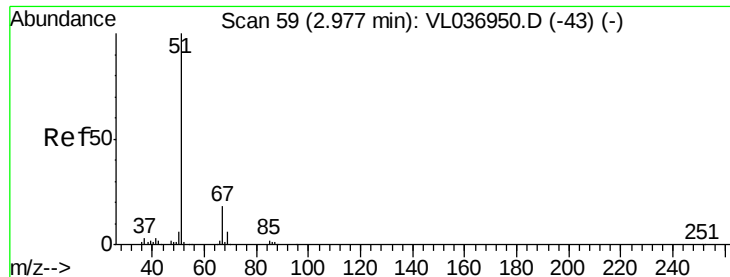
87 32.9 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.717 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion: 51 Resp: 2512839

Ion Ratio Lower Upper

51 100

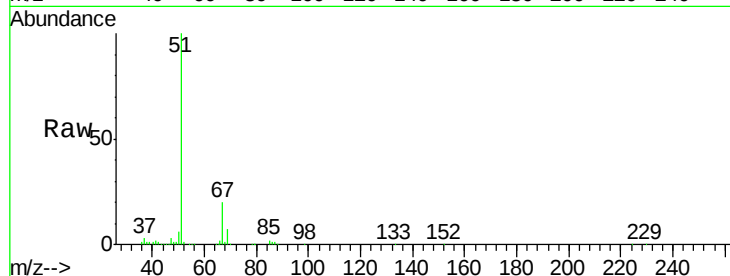
67 20.1 14.6 21.8

Manual Integrations

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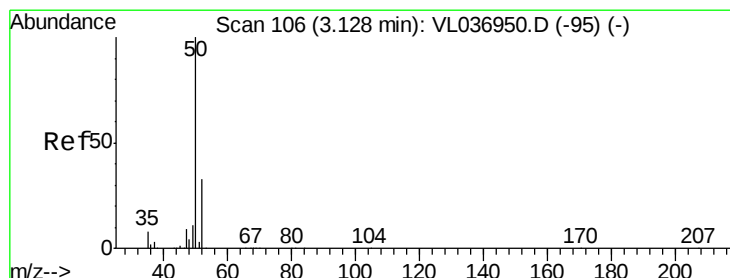
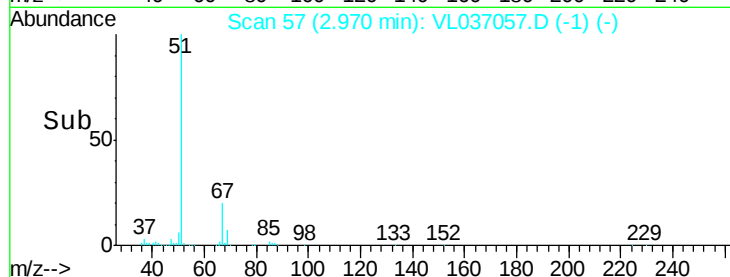
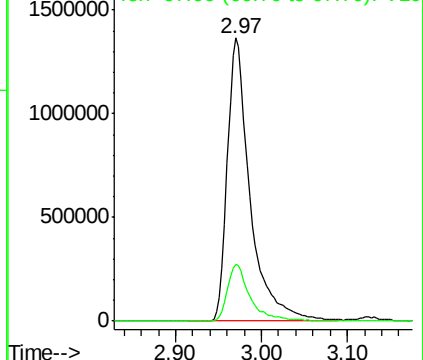
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.263 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037057.D

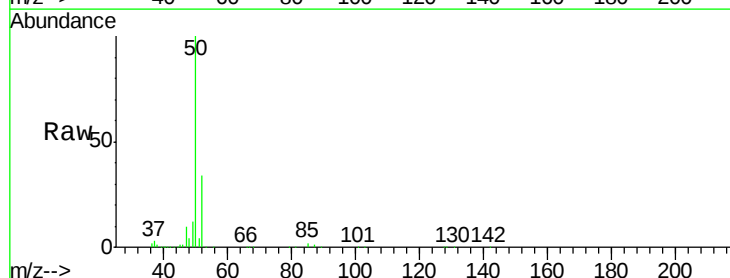
Acq: 25 May 2021 11:29

Tgt Ion: 50 Resp: 821938

Ion Ratio Lower Upper

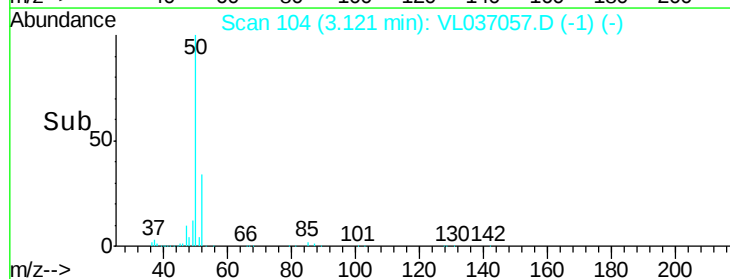
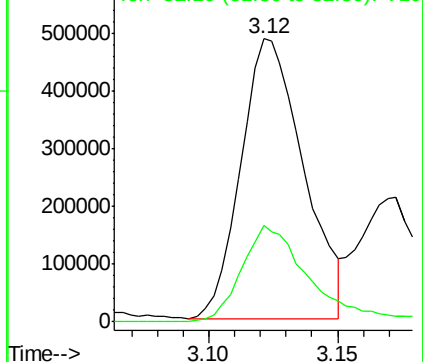
50 100

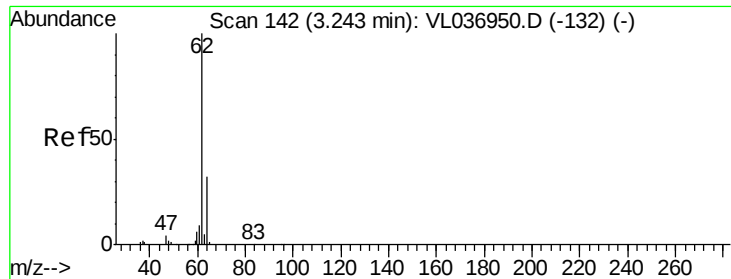
52 34.5 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.291 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion: 62 Resp: 900618

Ion Ratio Lower Upper

62 100

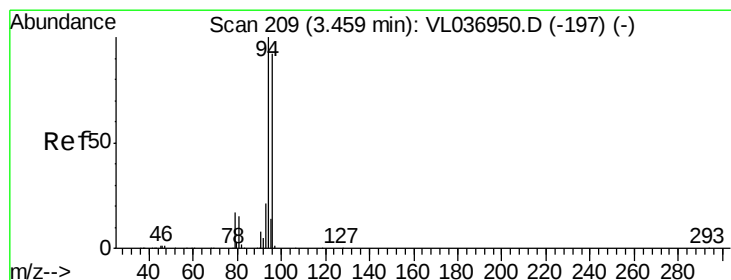
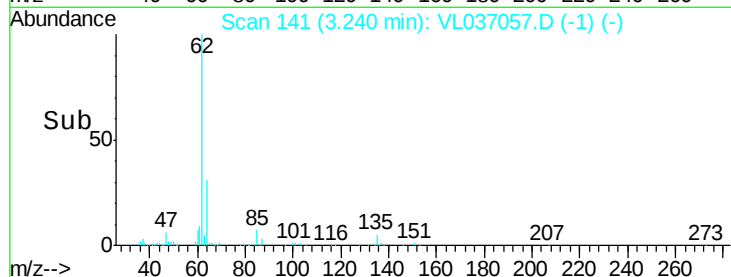
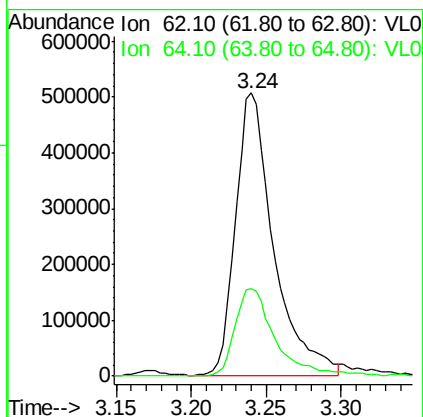
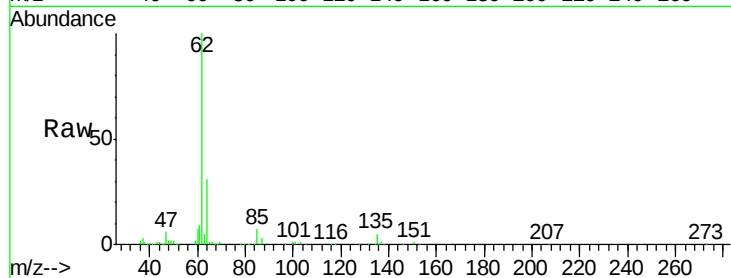
64 31.2 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 12.257 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037057.D

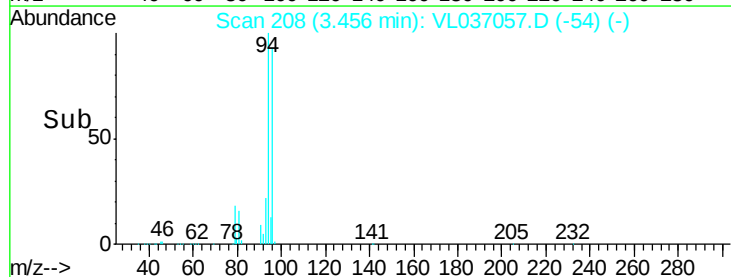
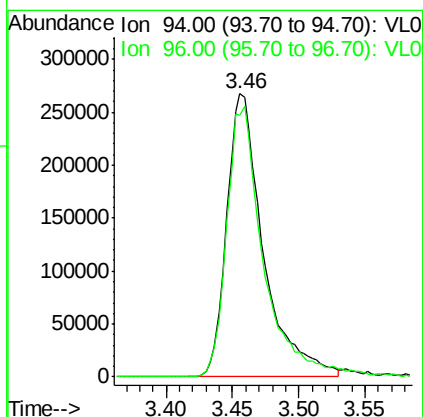
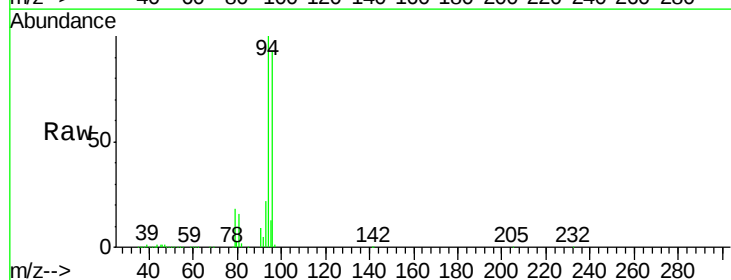
Acq: 25 May 2021 11:29

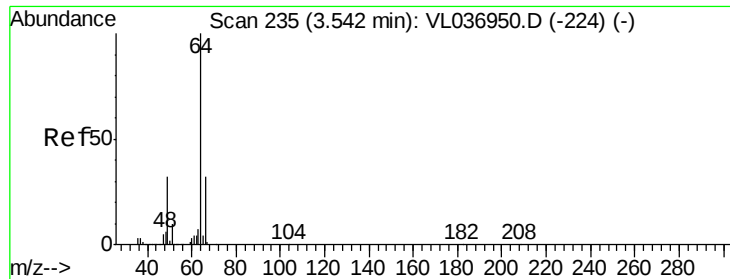
Tgt Ion: 94 Resp: 515196

Ion Ratio Lower Upper

94 100

96 92.7 74.0 111.0





#7

Chloroethane

Concen: 13.053 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

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ClientSampleId :

VL0525ABS01

Tgt Ion: 64 Resp: 338068

Ion Ratio Lower Upper

64 100

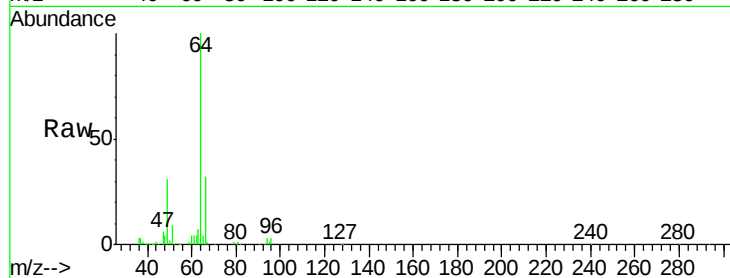
66 31.9 25.4 38.2

Manual Integrations

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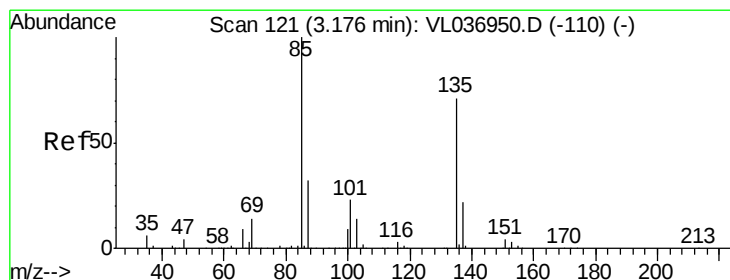
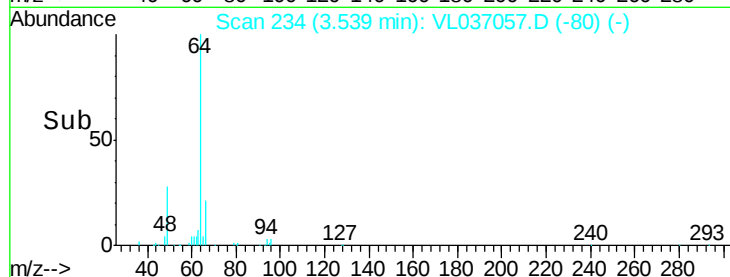
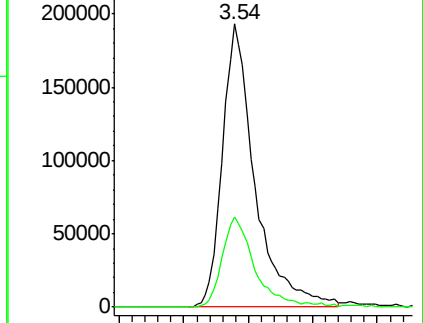
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.243 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037057.D

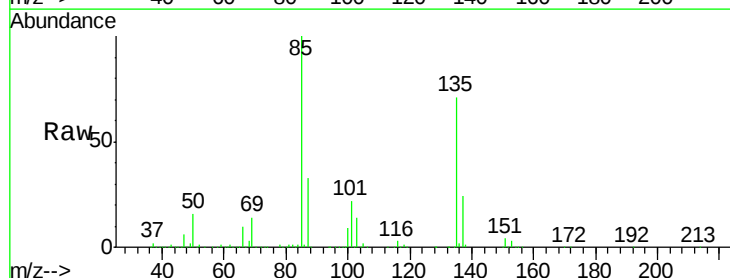
Acq: 25 May 2021 11:29

Tgt Ion: 85 Resp: 2282655

Ion Ratio Lower Upper

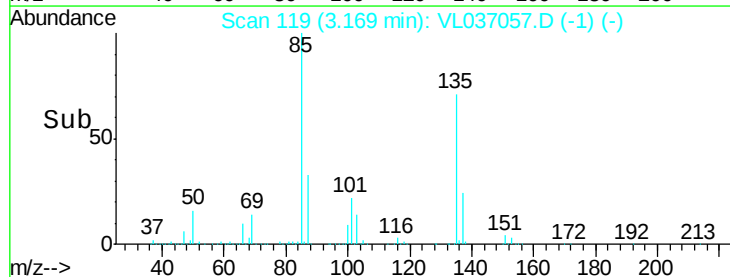
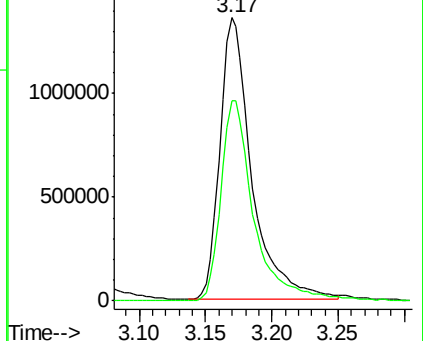
85 100

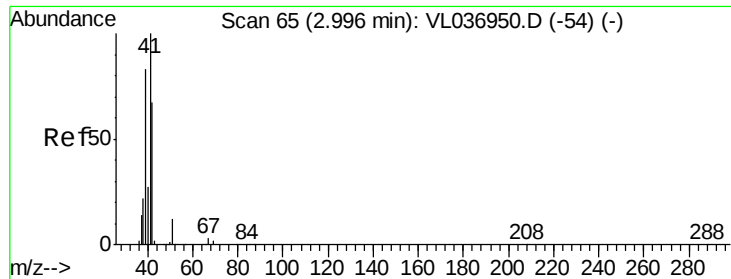
135 74.2 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.244 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

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Tgt Ion: 41 Resp: 786639

Ion Ratio Lower Upper

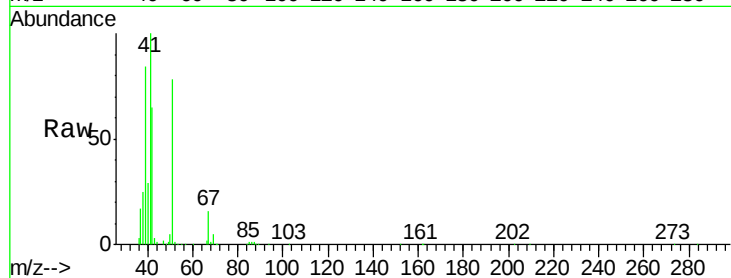
41 100

42 70.3 53.9 80.9

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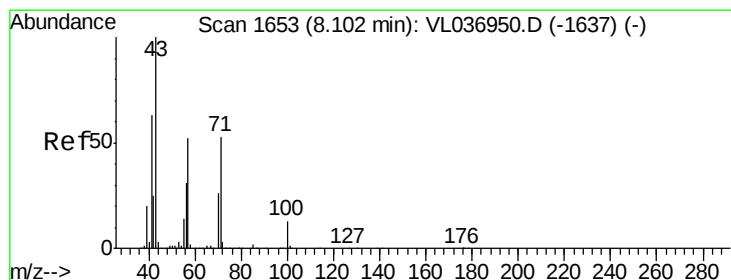
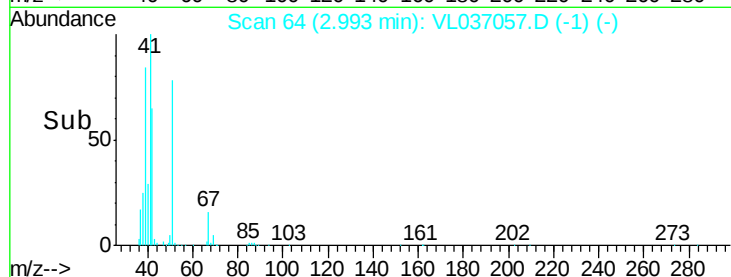
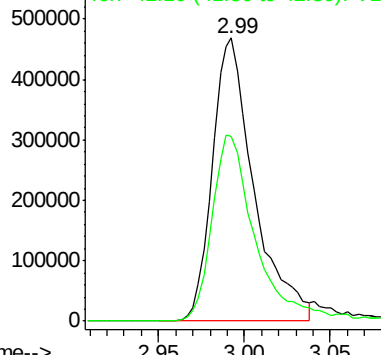
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.837 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL037057.D

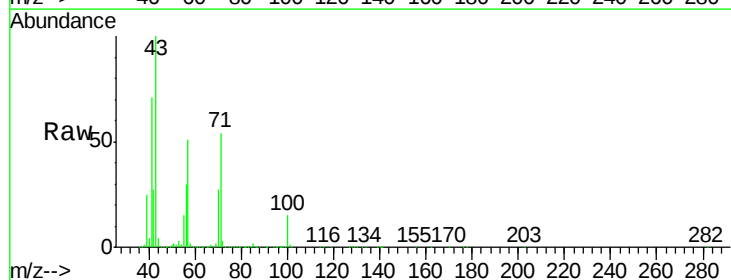
Acq: 25 May 2021 11:29

Tgt Ion: 43 Resp: 2073936

Ion Ratio Lower Upper

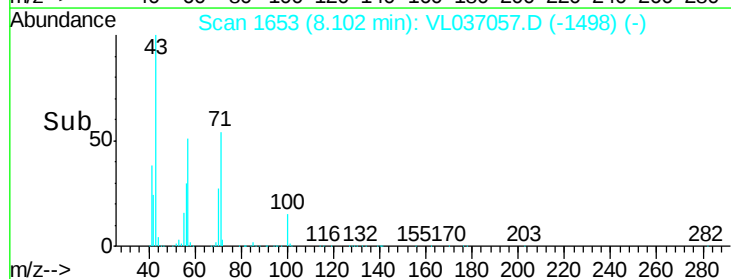
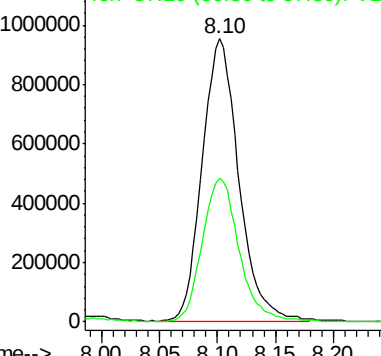
43 100

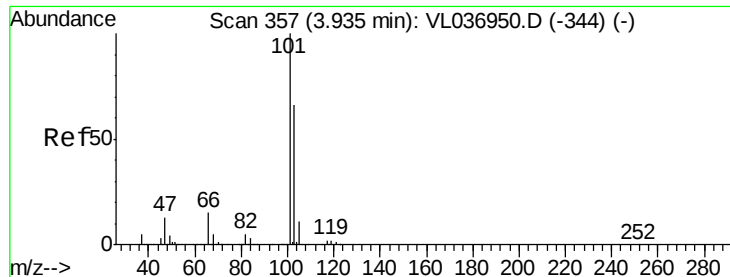
57 51.5 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





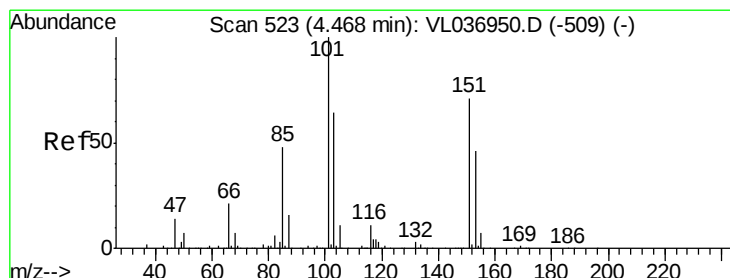
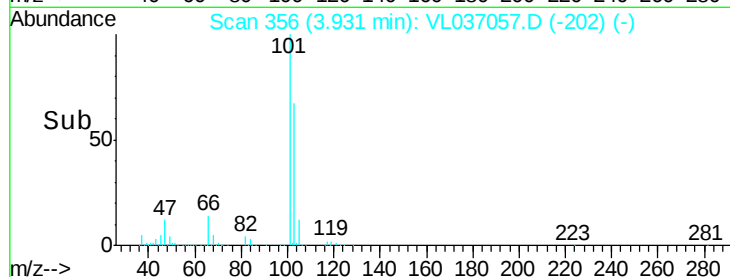
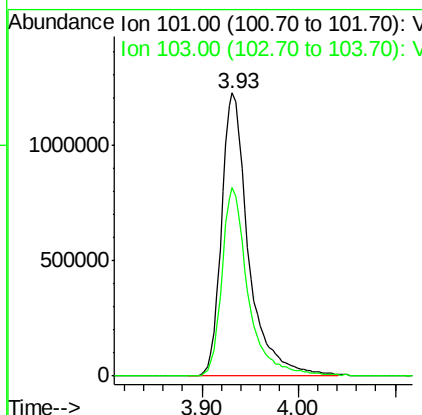
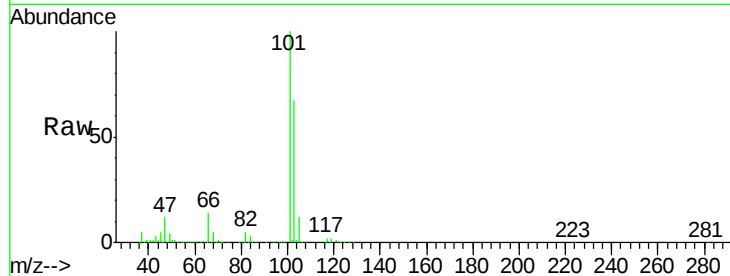
#11
 Trichlorofluoromethane
 Concen: 12.952 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion:101 Resp: 2380727
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.6 79.0

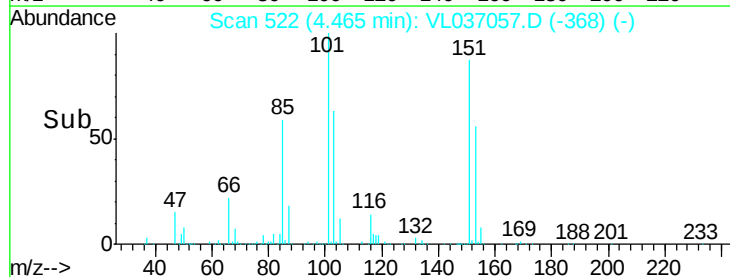
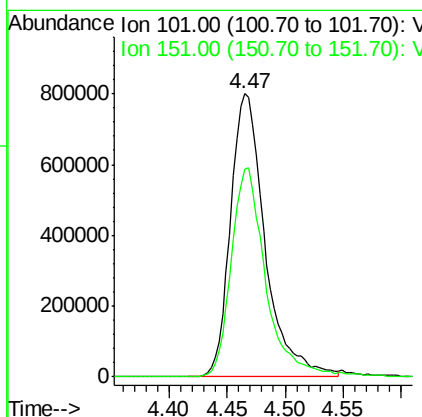
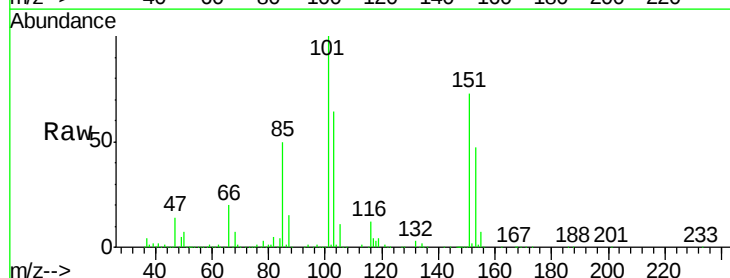
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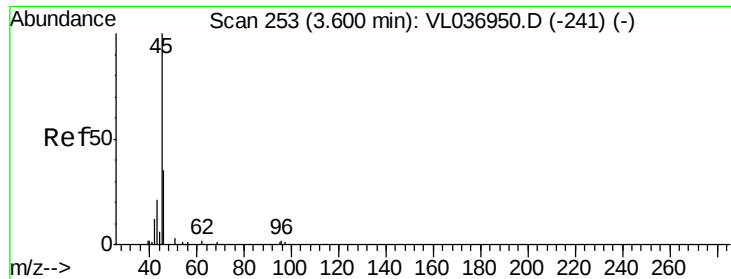
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.668 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion:101 Resp: 1658546
 Ion Ratio Lower Upper
 101 100
 151 74.2 57.7 86.5





#13

Ethanol

Concen: 10.914 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion: 45 Resp: 111823

Ion Ratio Lower Upper

45 100

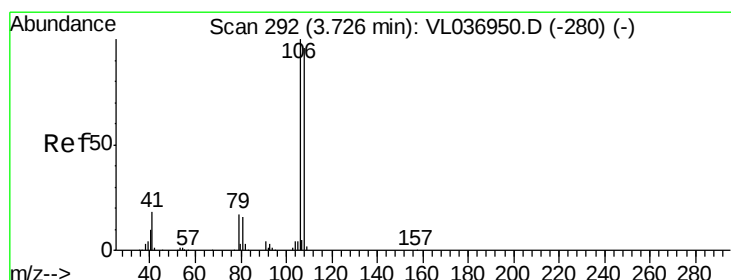
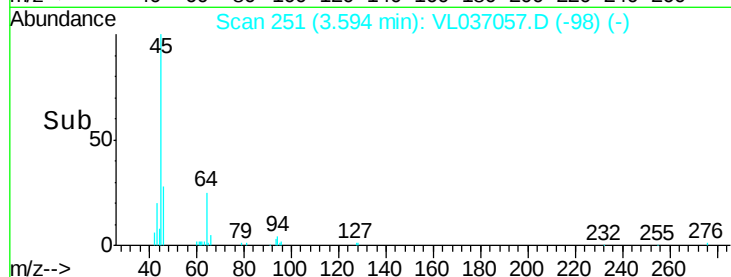
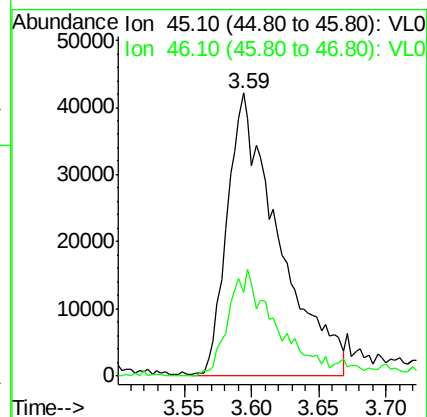
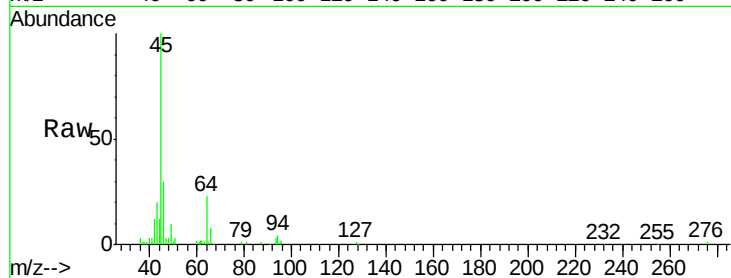
46 39.4 16.3 65.3

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#14

Bromoethene

Concen: 11.959 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

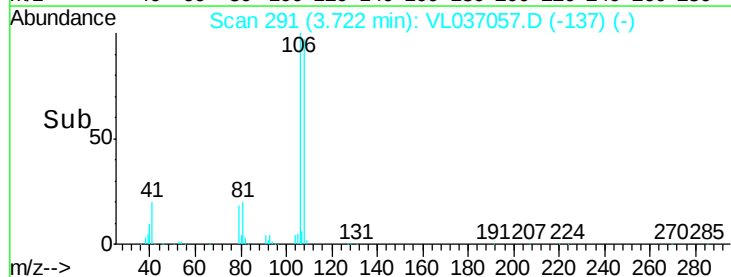
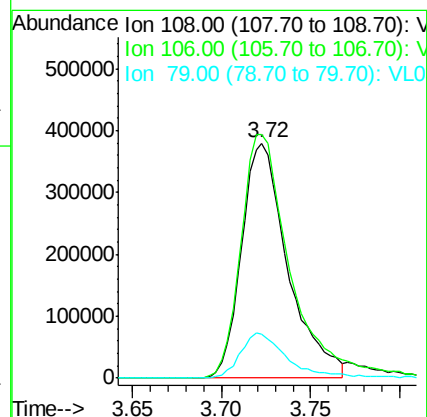
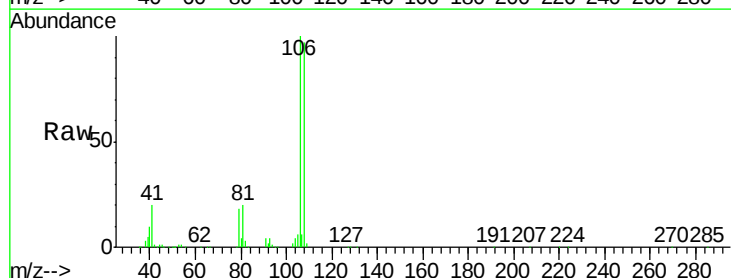
Tgt Ion: 108 Resp: 689657

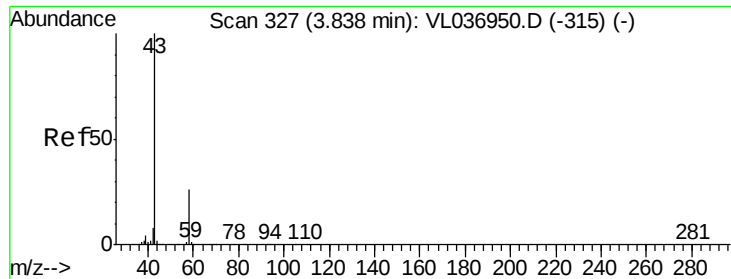
Ion Ratio Lower Upper

108 100

106 113.2 86.5 129.7

79 20.3 15.0 22.4





#15

Acetone

Concen: 10.014 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion: 43 Resp: 1200607

Ion Ratio Lower Upper

43 100

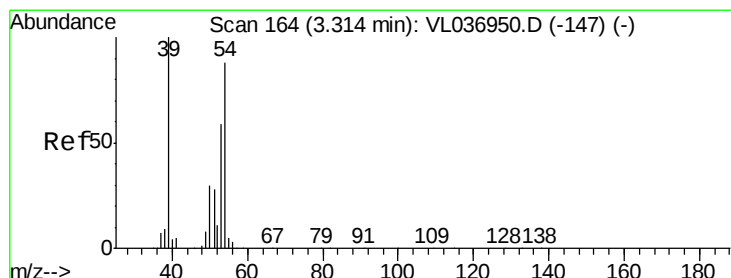
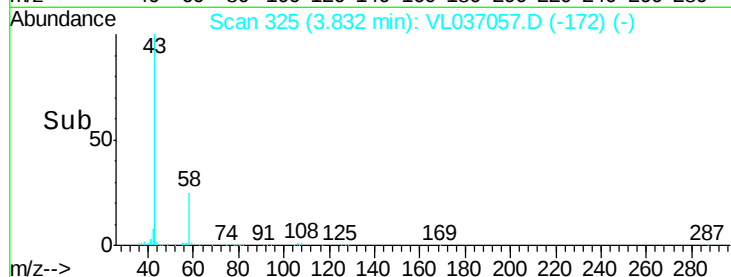
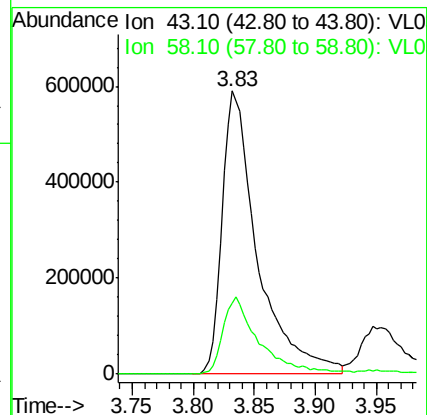
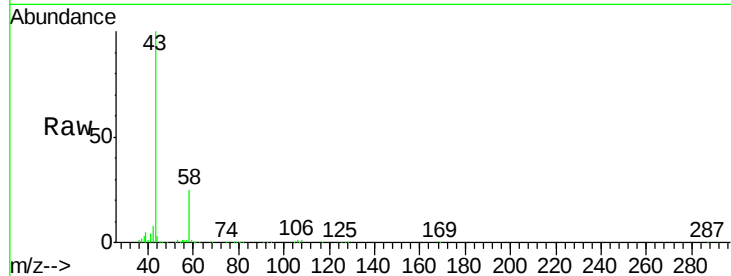
58 27.8 24.0 36.0

Manual Integrations

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#16

1,3-Butadiene

Concen: 12.153 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037057.D

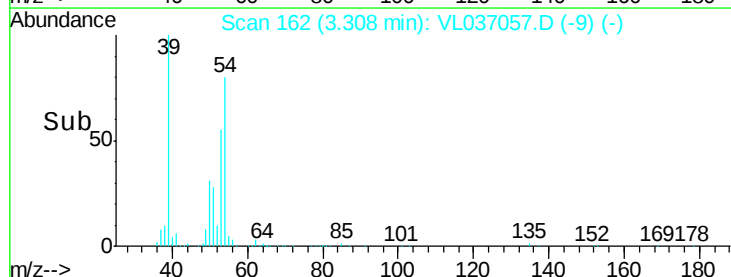
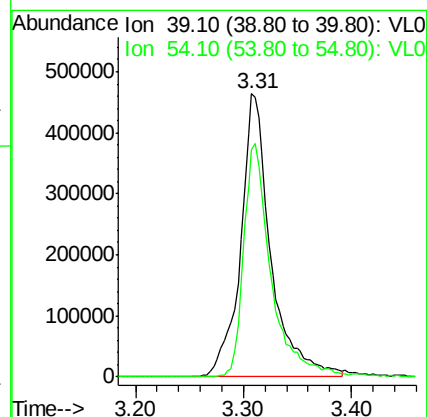
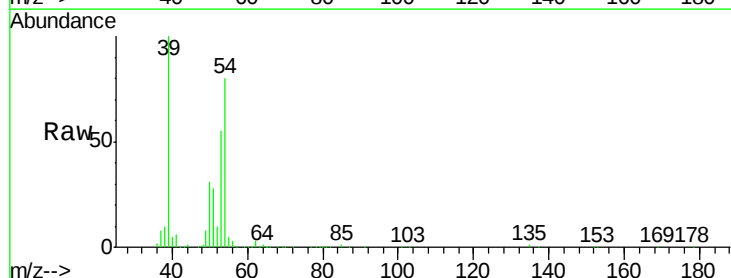
Acq: 25 May 2021 11:29

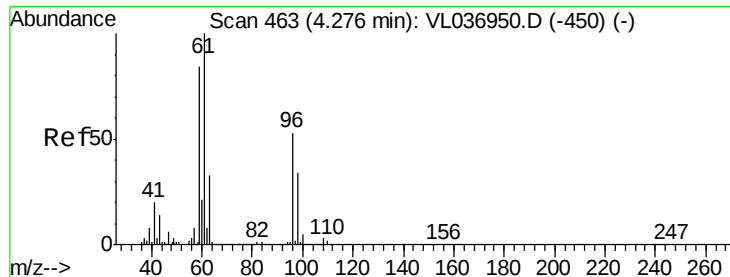
Tgt Ion: 39 Resp: 905269

Ion Ratio Lower Upper

39 100

54 76.0 63.2 94.8





#17

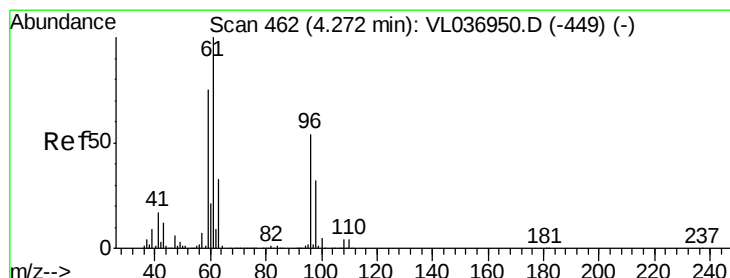
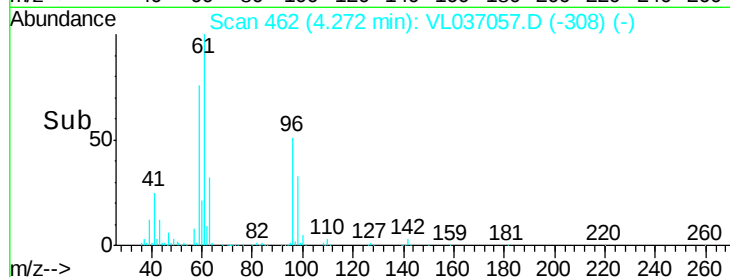
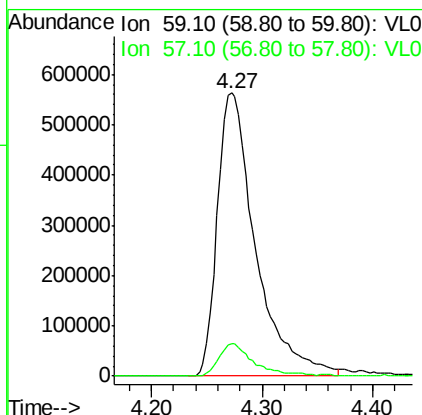
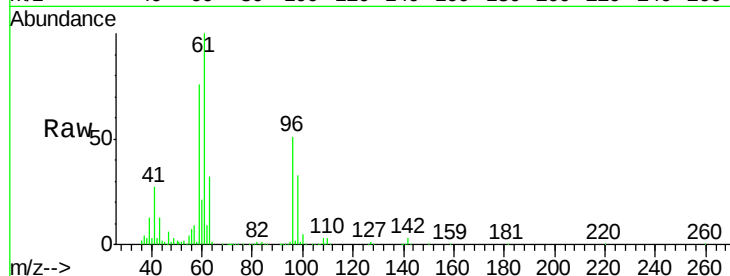
tert-Butyl alcohol
Concen: 12.331 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 59 Resp: 1354243
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5

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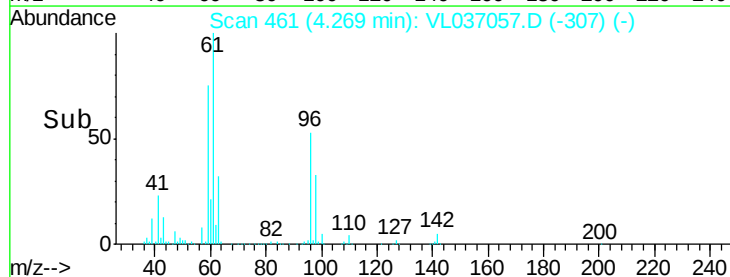
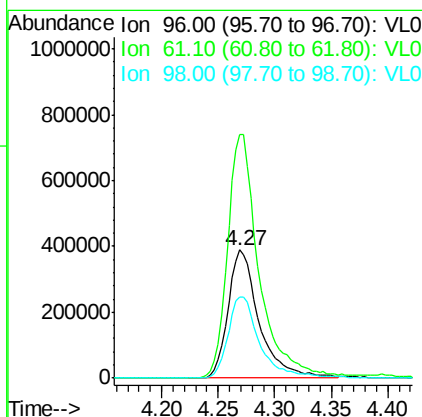
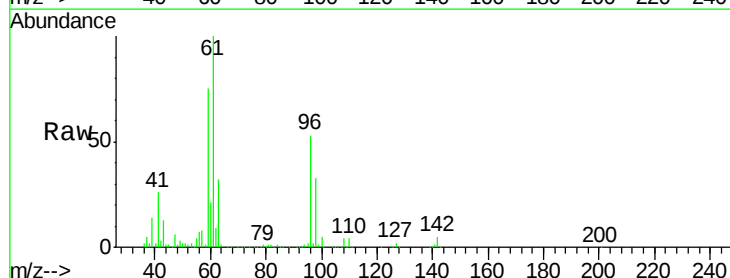
MMDadoda
5/27/2021 10:31:27 AM

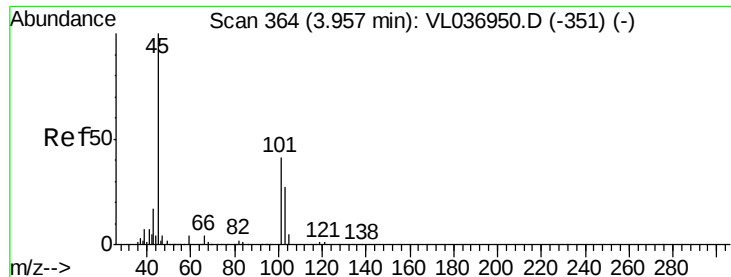


#18

1,1-Dichloroethene
Concen: 12.305 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 96 Resp: 744965
Ion Ratio Lower Upper
96 100
61 190.3 148.2 222.4
98 63.3 47.8 71.6





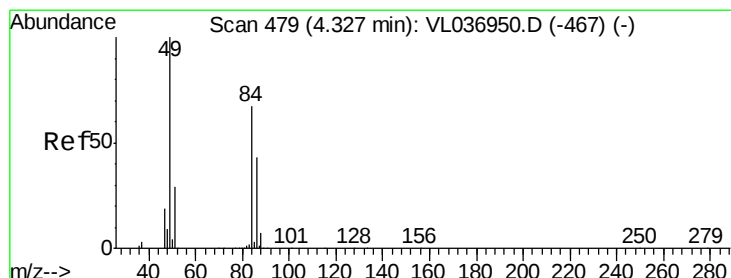
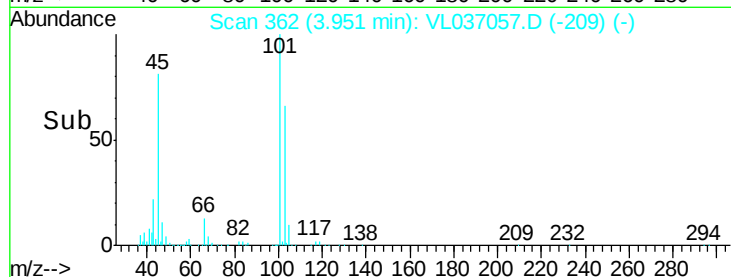
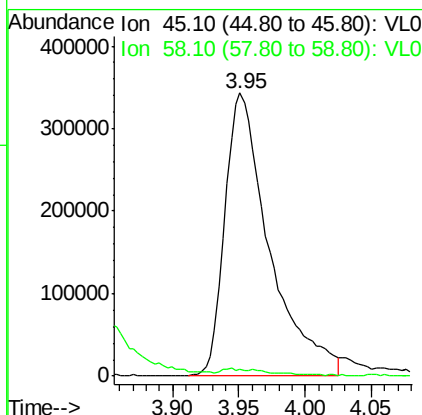
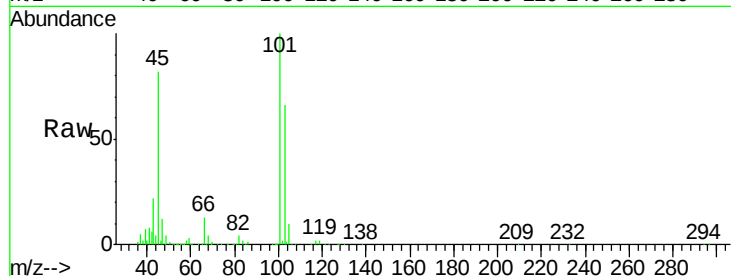
#19
Isopropyl Alcohol
Concen: 12.400 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 45 Resp: 799223
Ion Ratio Lower Upper
45 100
58 3.3 37.2 55.8#

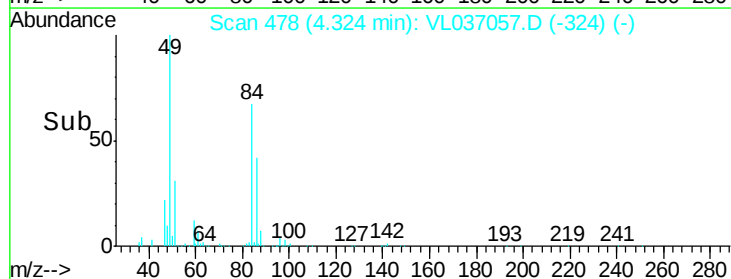
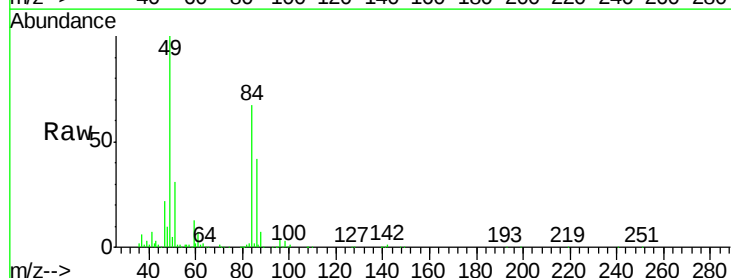
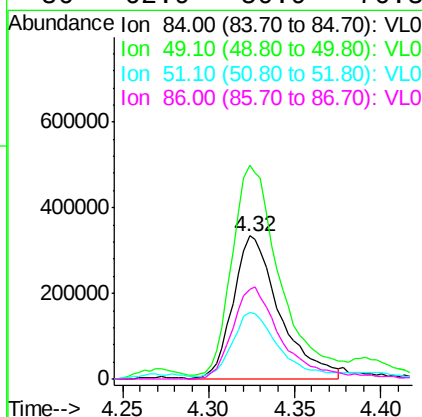
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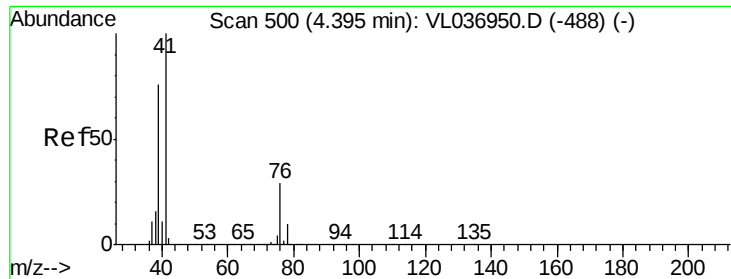
MMDadoda
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#20
Methylene Chloride
Concen: 9.655 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 84 Resp: 620528
Ion Ratio Lower Upper
84 100
49 147.0 119.8 179.6
51 44.3 35.1 52.7
86 62.9 50.9 76.3





#21

Allyl Chloride

Concen: 11.445 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion: 41 Resp: 1035165

Ion Ratio Lower Upper

41 100

76 31.7 24.9 37.3

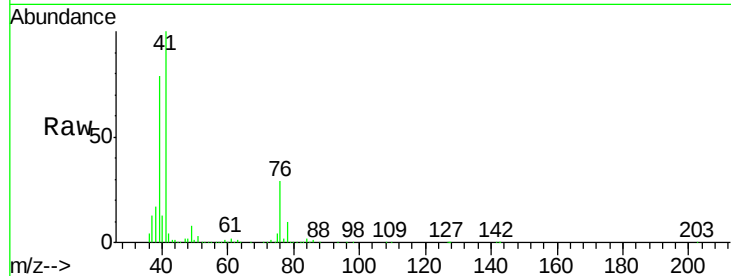
39 82.8 63.7 95.5

Manual Integrations

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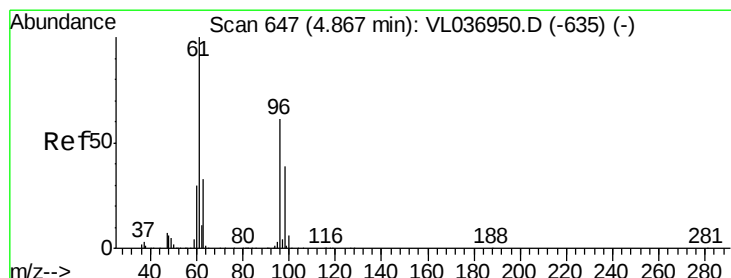
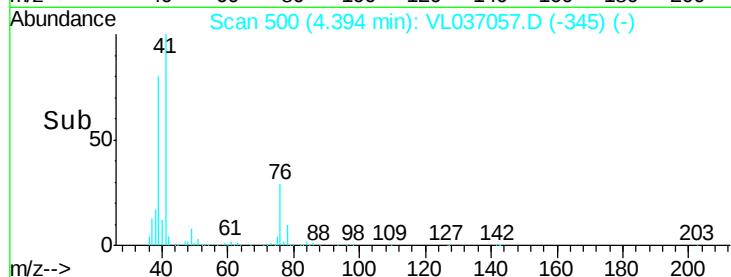
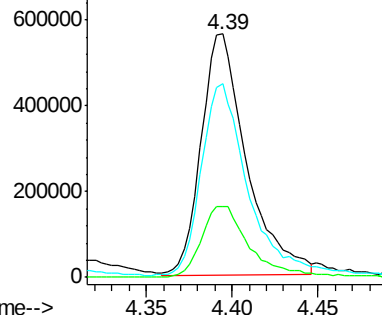
5/27/2021 10:31:27 AM



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: 12.817 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

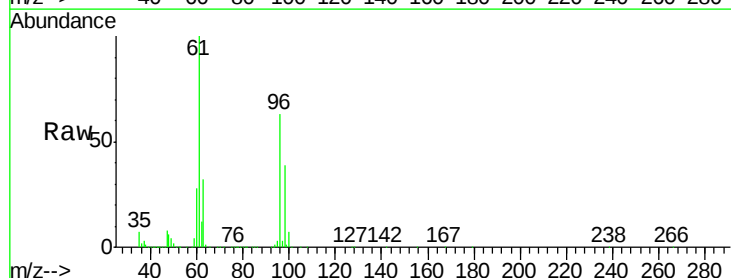
Tgt Ion: 96 Resp: 743677

Ion Ratio Lower Upper

96 100

61 157.5 130.6 196.0

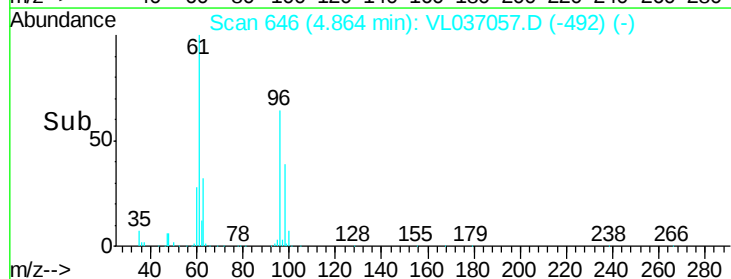
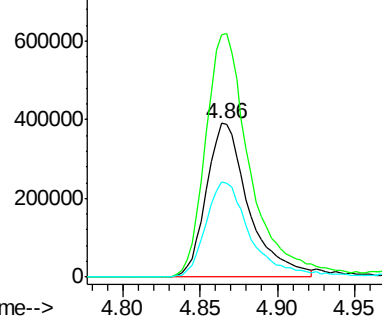
98 61.7 50.8 76.2

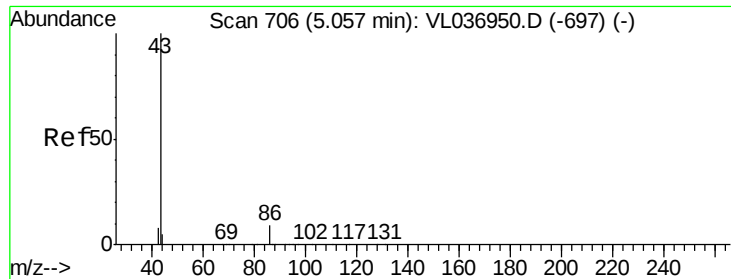


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





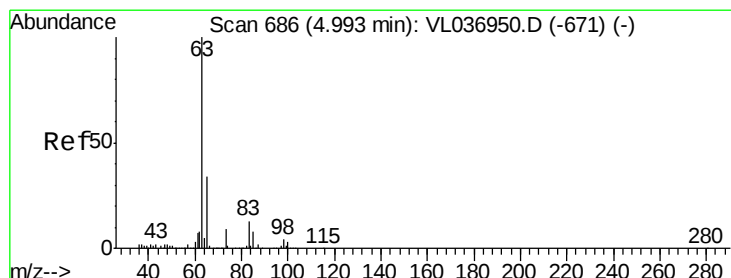
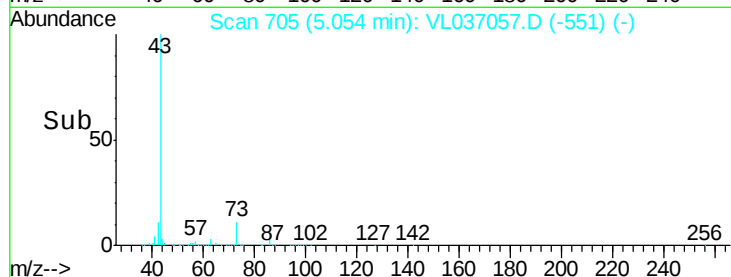
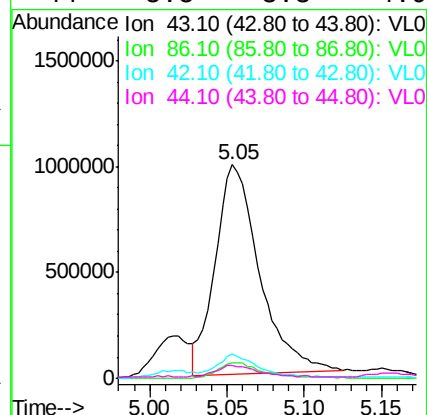
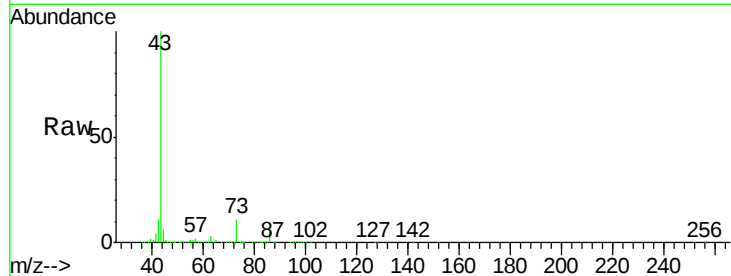
#23
 Vinyl Acetate
 Concen: 10.348 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.8
42	11.0	7.4	11.2
44	5.5	3.3	4.9#

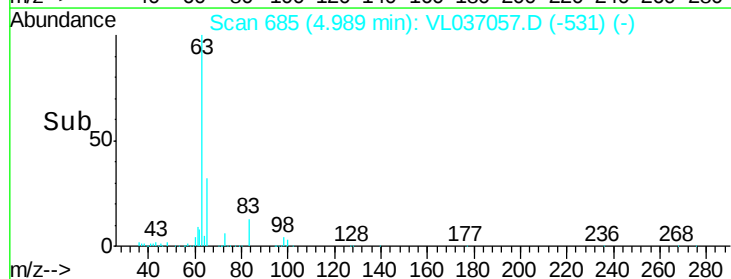
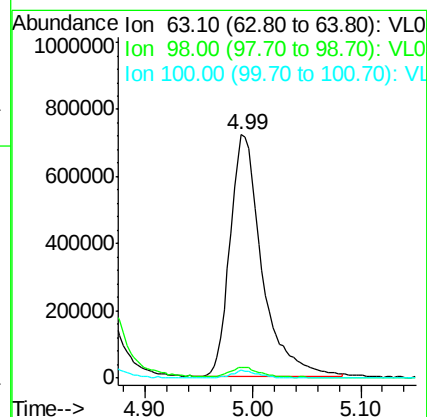
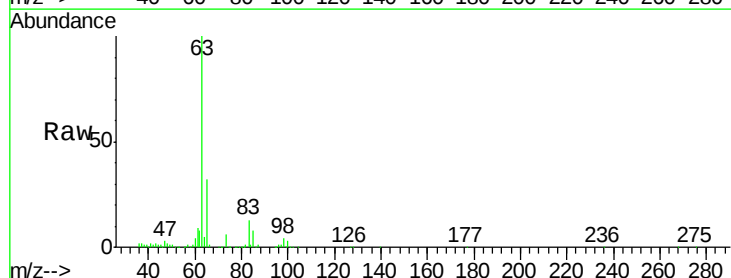
Manual Integrations
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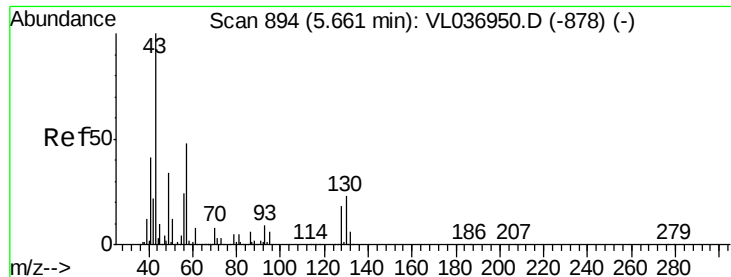
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#24
 1,1-Dichloroethane
 Concen: 10.918 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.3	6.9
100	3.1	1.4	4.0





#25

Ethyl Acetate

Concen: 11.228 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion: 43 Resp: 3234937

Ion Ratio Lower Upper

43 100

45 9.8 7.8 11.8

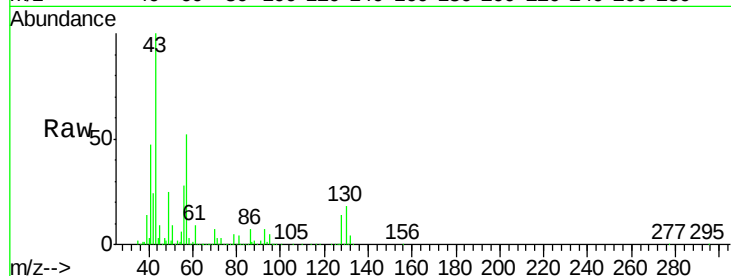
61 9.3 7.8 11.8

70 7.0 5.6 8.4

Manual Integrations
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MMDadoda

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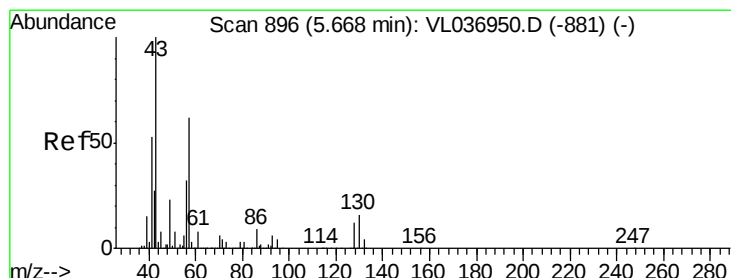
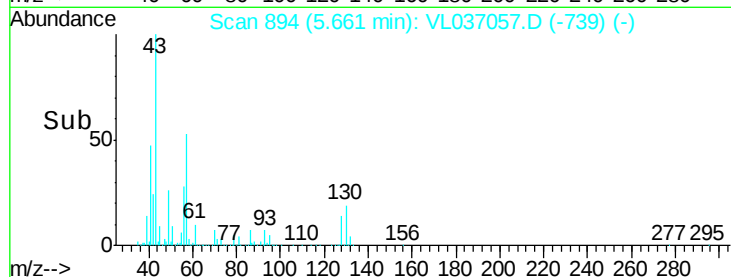
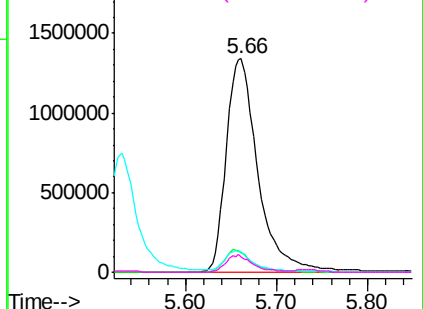
Abundance

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: 10.706 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Tgt Ion: 57 Resp: 1575813

Ion Ratio Lower Upper

57 100

41 92.0 70.5 105.7

43 207.5 165.8 248.8

56 53.2 42.2 63.4

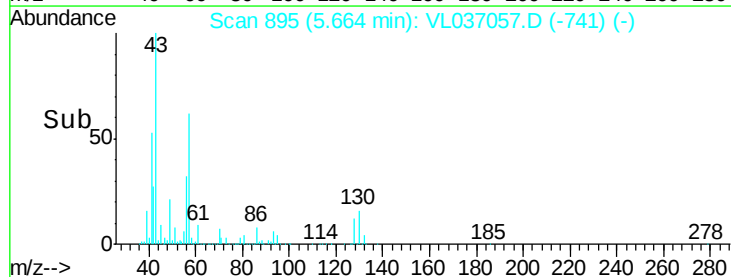
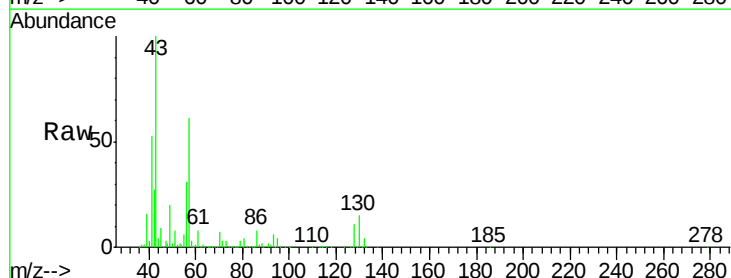
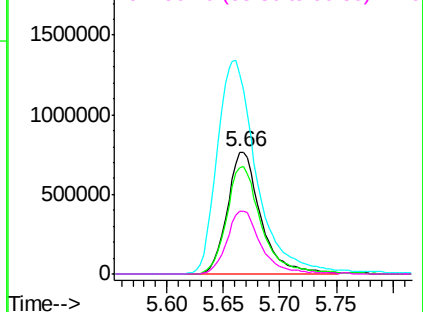
Abundance

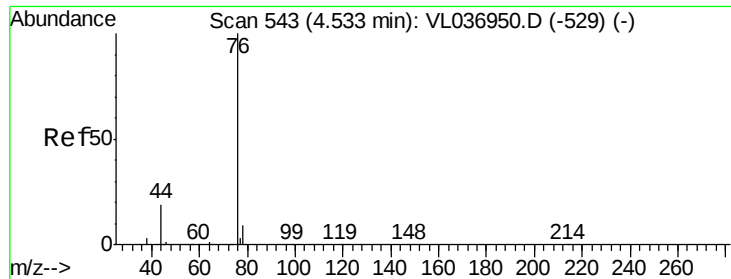
Ion 57.10 (56.80 to 57.80): VL0

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





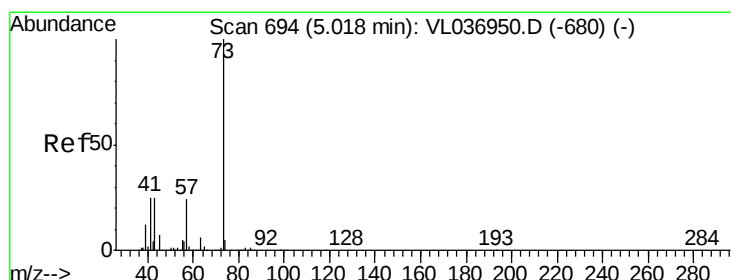
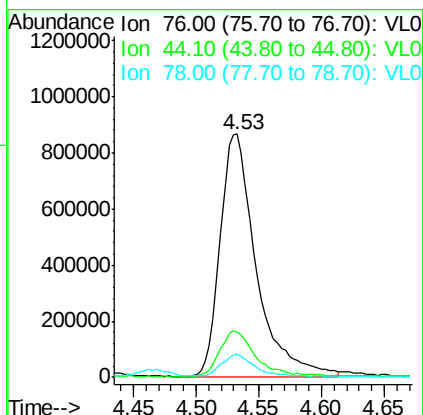
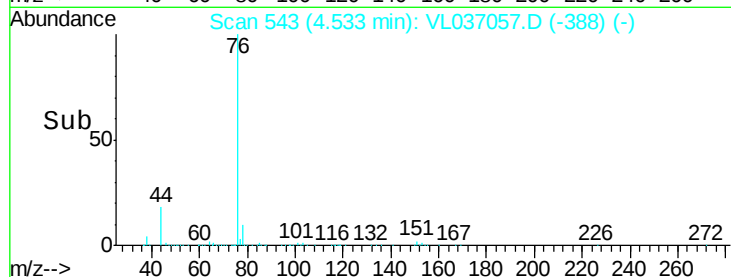
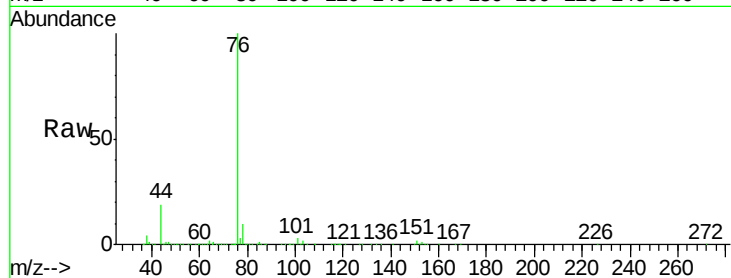
#27
Carbon Disulfide
Concen: 11.654 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 76 Resp: 1728784
Ion Ratio Lower Upper
76 100
44 19.4 15.5 23.3
78 9.2 7.8 11.6

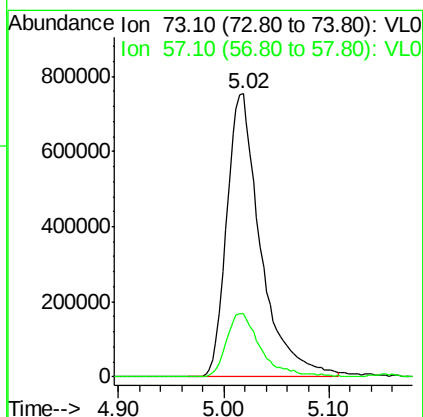
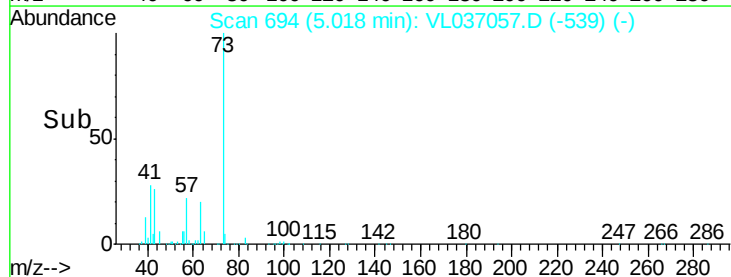
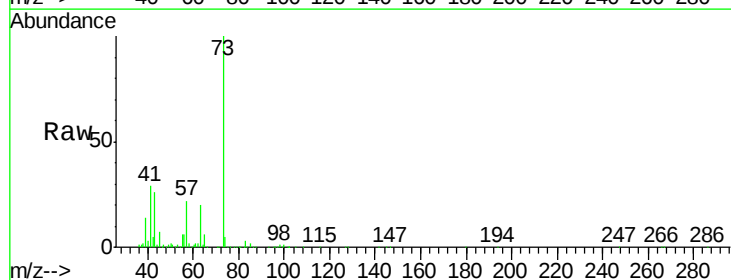
Manual Integrations
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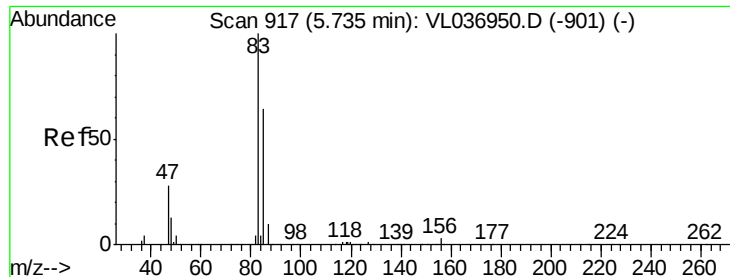
MMDadoda
5/27/2021 10:31:27 AM



#28
Methyl tert-Butyl Ether
Concen: 9.544 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 73 Resp: 1683840
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5





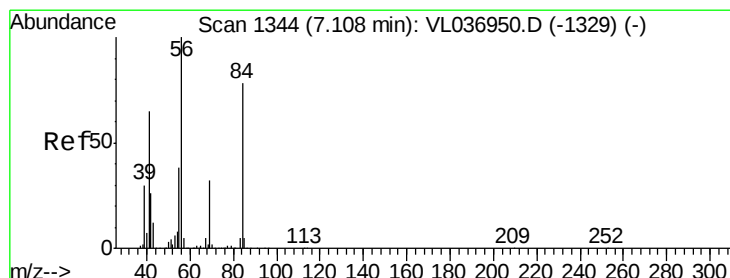
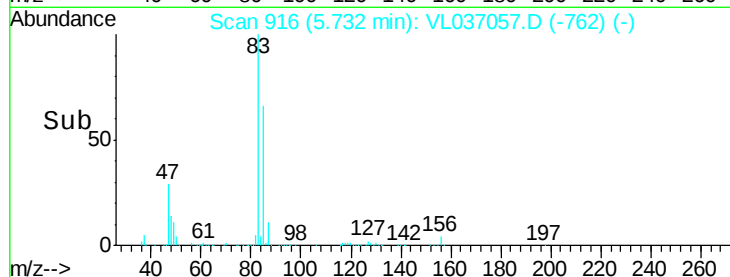
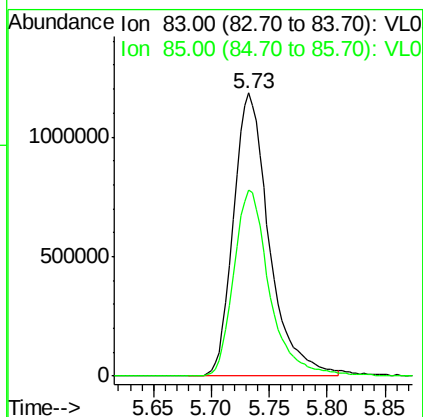
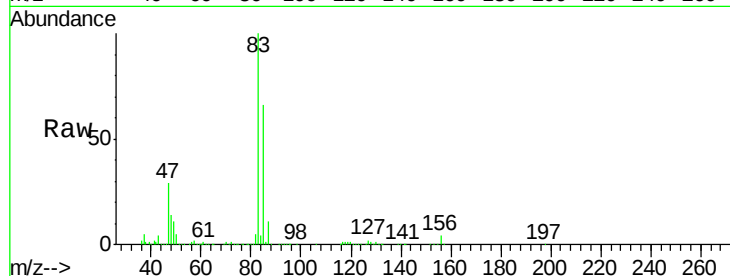
#29
Chloroform
Concen: 12.131 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 83 Resp: 2522585
Ion Ratio Lower Upper
83 100
85 65.5 51.1 76.7

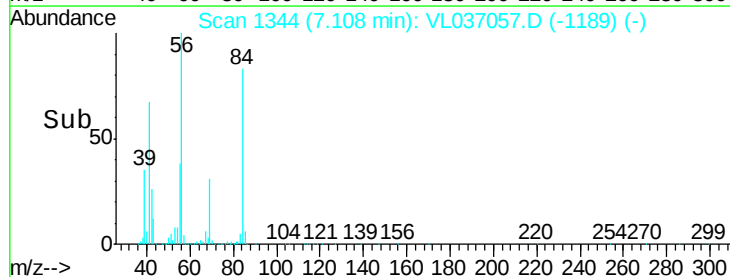
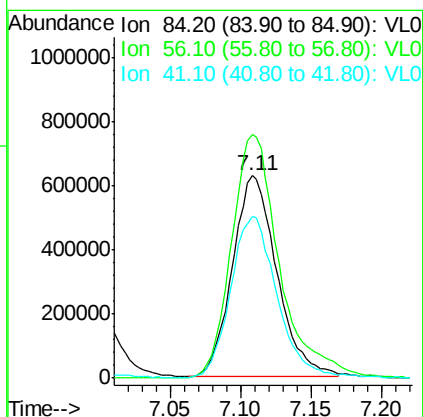
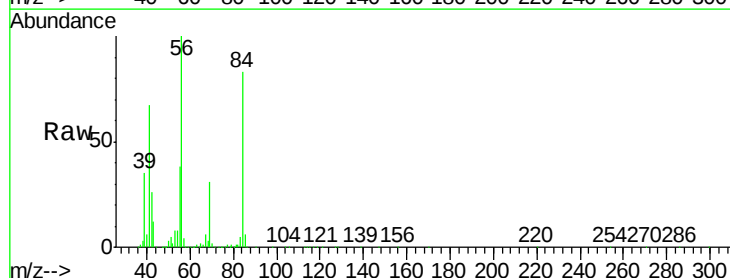
Manual Integrations
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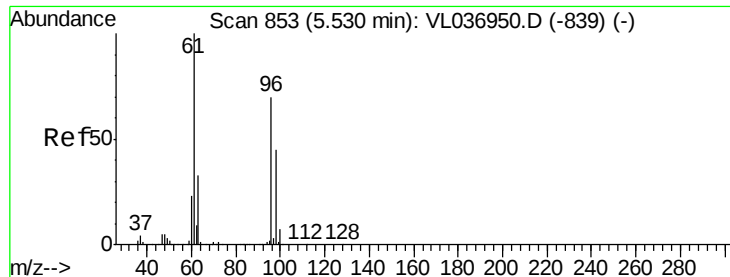
MMDadoda
5/27/2021 10:31:27 AM



#30
Cyclohexane
Concen: 11.003 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 84 Resp: 1376229
Ion Ratio Lower Upper
84 100
56 132.7 107.9 161.9
41 85.2 65.5 98.3





#31

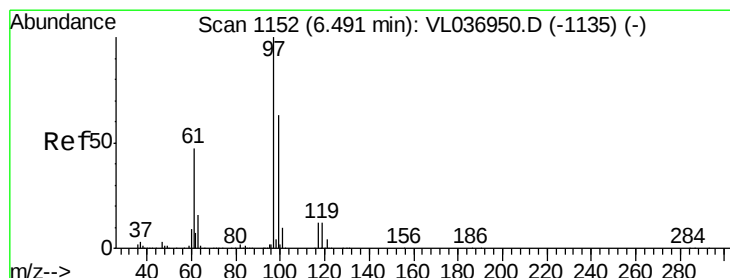
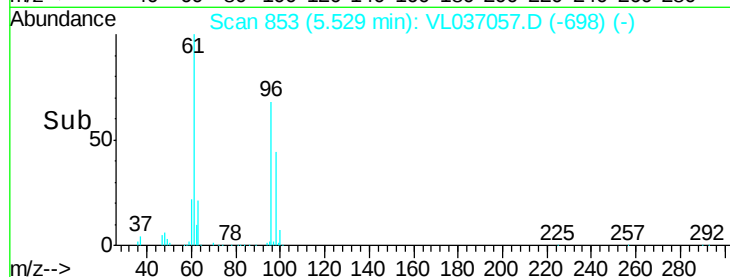
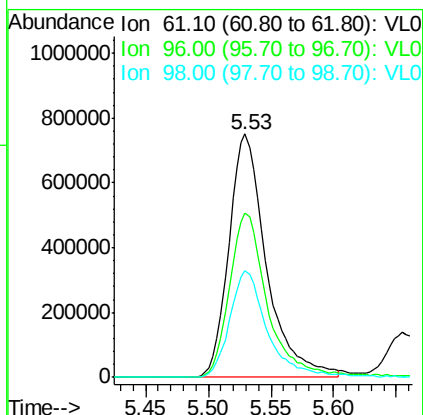
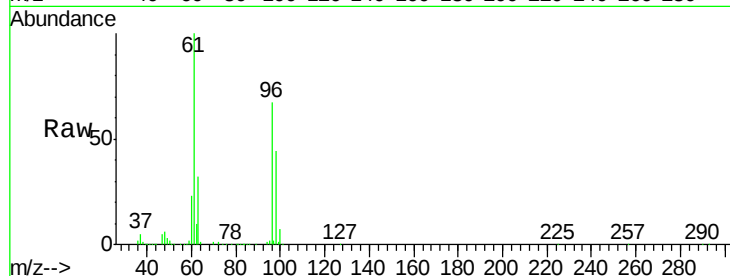
cis-1,2-Dichloroethene
 Concen: 11.801 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	67.3	55.9	83.9
98	43.9	35.6	53.4

Manual Integrations
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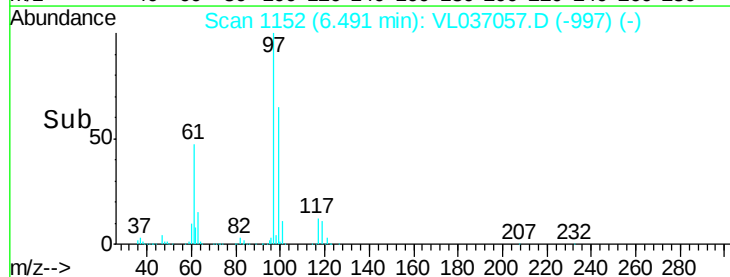
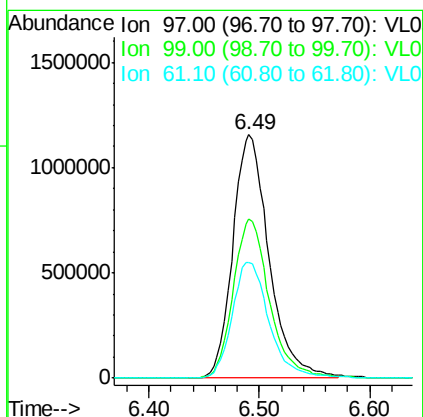
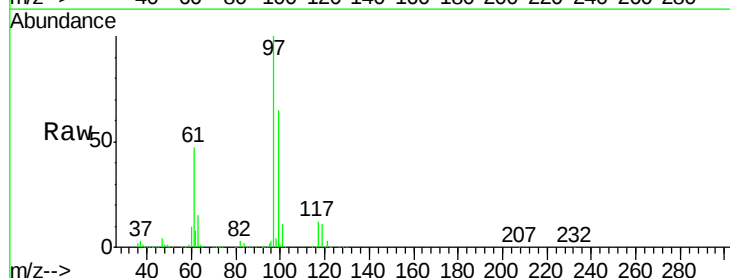
MMDadoda
 5/27/2021 10:31:27 AM

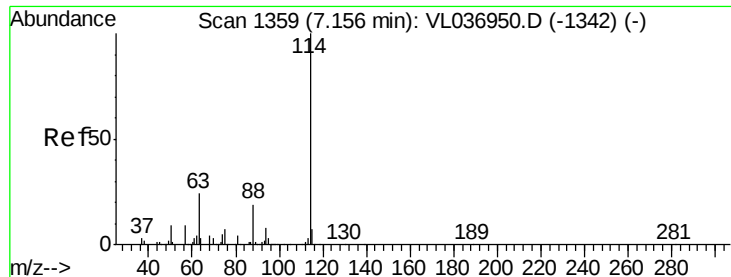


#32

1,1,1-Trichloroethane
 Concen: 11.779 ppbv
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.9	77.9
61	48.7	37.6	56.4





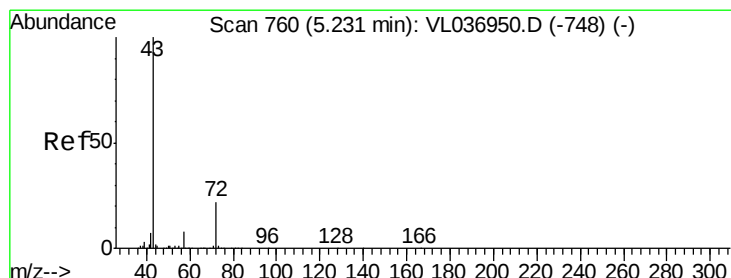
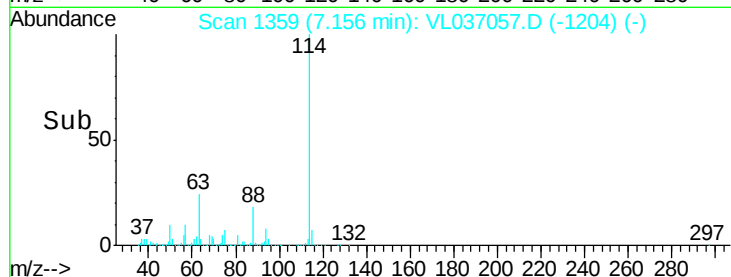
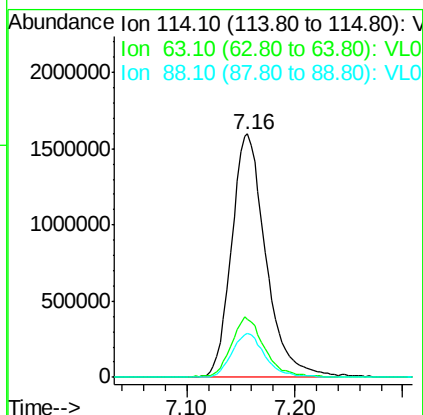
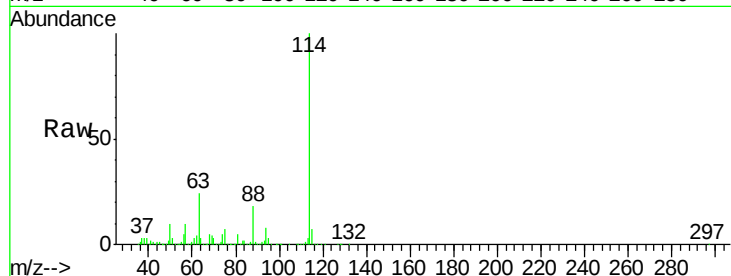
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	17.7	14.6	21.8

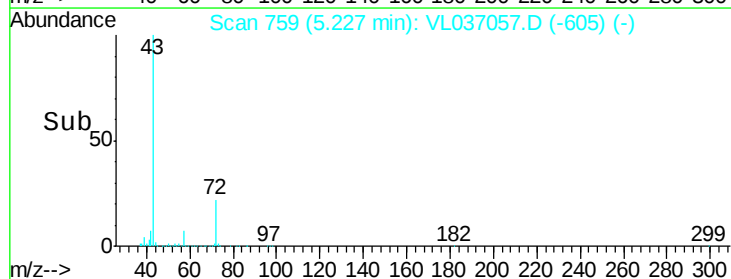
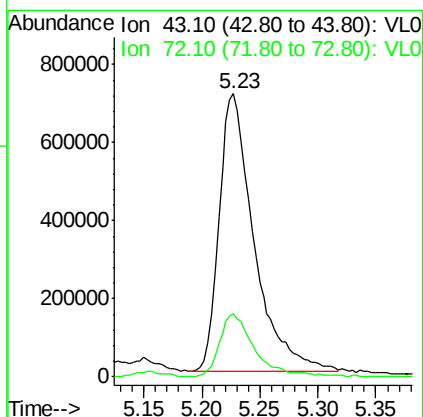
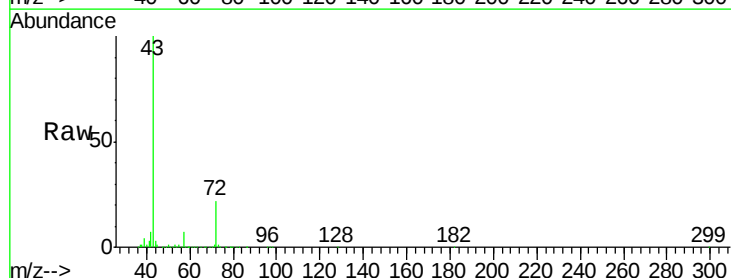
Manual Integrations
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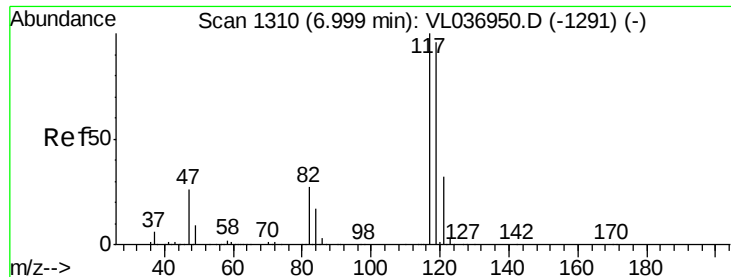
MMDadoda
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#34
 2-Butanone
 Concen: 11.655 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	19.0	28.4





#35

Carbon Tetrachloride

Concen: 12.019 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion:117 Resp: 2825416

Ion Ratio Lower Upper

117 100

119 96.6 76.6 114.8

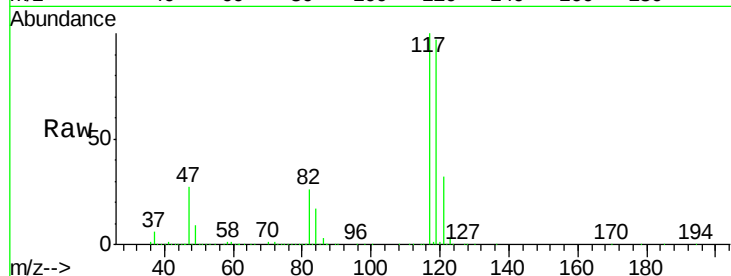
121 31.5 25.8 38.6

Manual Integrations

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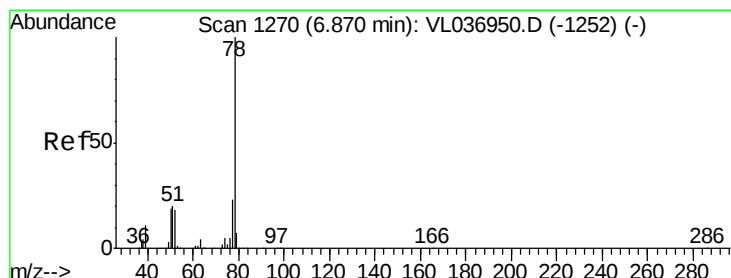
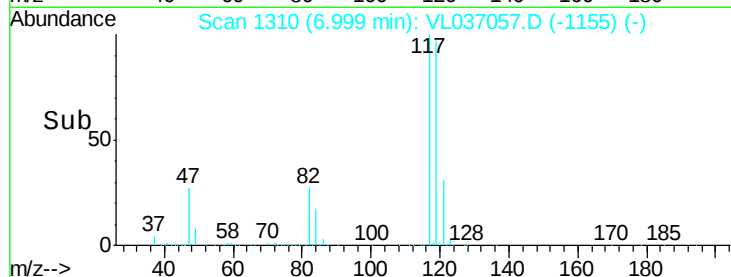
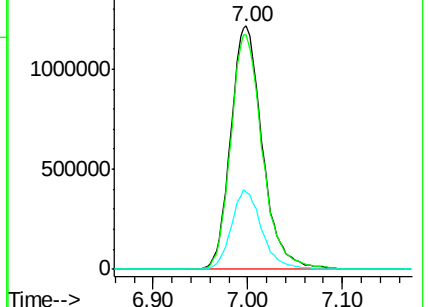
5/27/2021 10:31:27 AM



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: 10.740 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

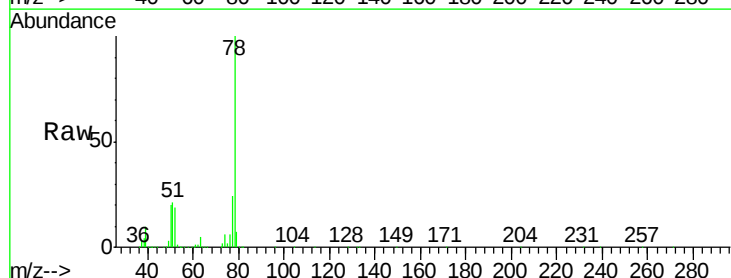
Tgt Ion: 78 Resp: 3273253

Ion Ratio Lower Upper

78 100

77 23.9 18.6 28.0

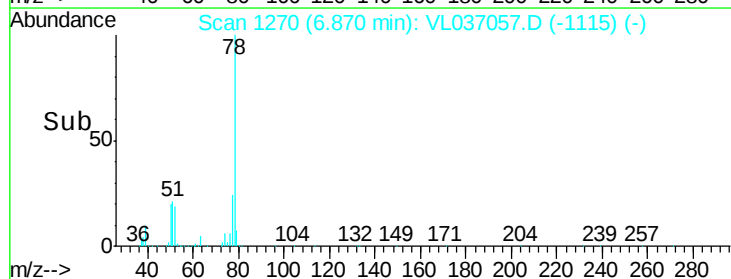
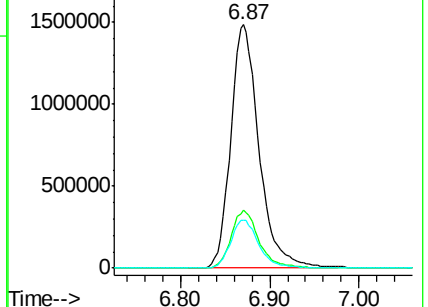
50 19.7 15.0 22.4

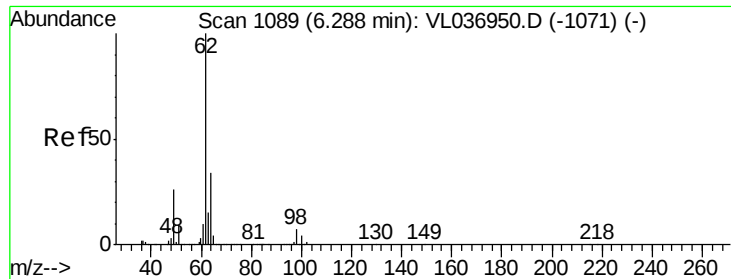


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





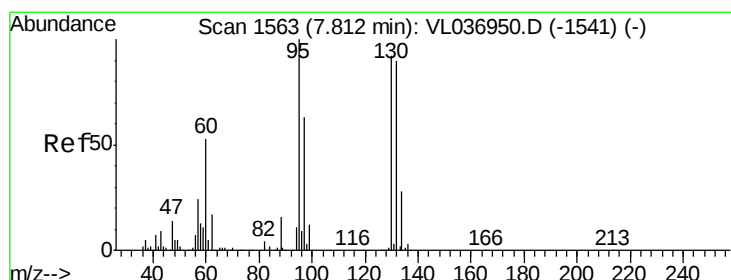
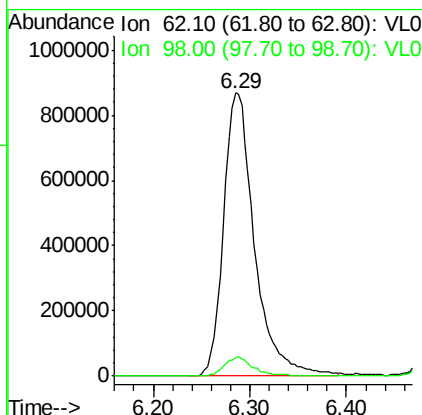
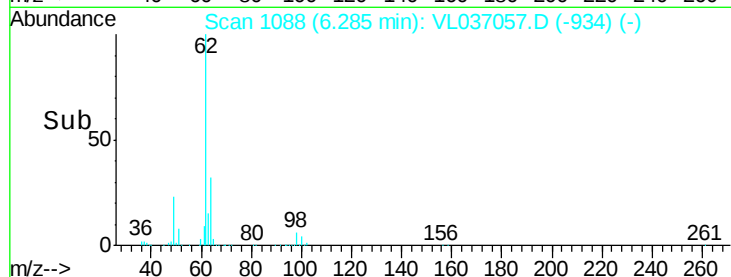
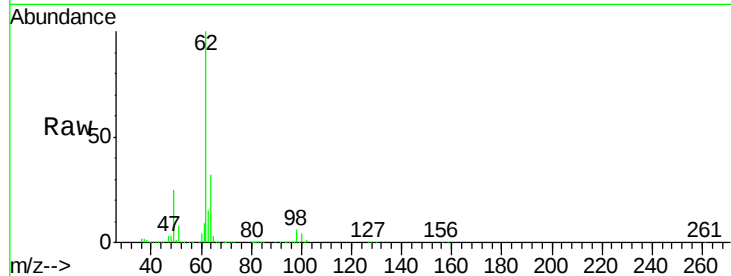
#37
 1,2-Dichloroethane
 Concen: 12.756 ppbv
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion: 62 Resp: 1927343
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.5 8.3

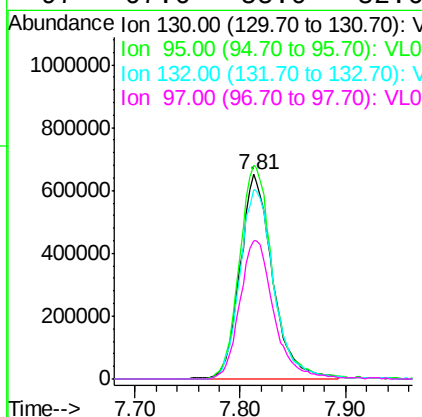
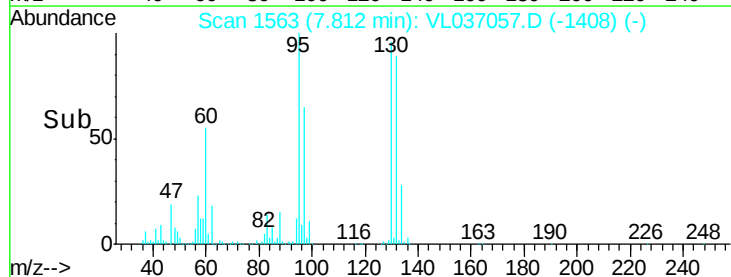
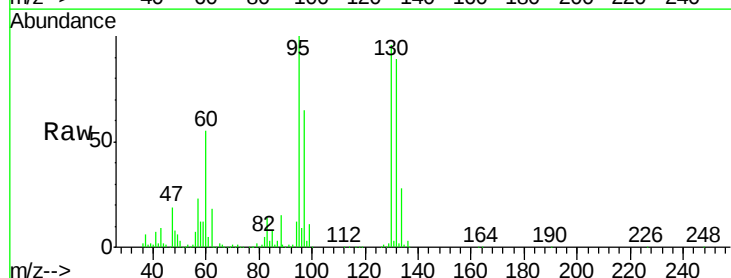
Manual Integrations
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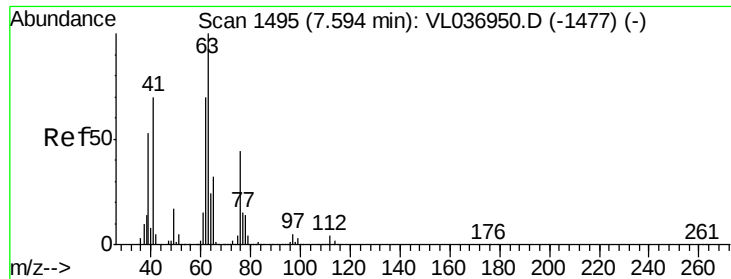
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 5/27/2021 10:31:27 AM



#38
 Trichloroethene
 Concen: 10.661 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 130 Resp: 1389872
 Ion Ratio Lower Upper
 130 100
 95 104.7 86.9 130.3
 132 93.2 78.4 117.6
 97 67.6 55.0 82.6





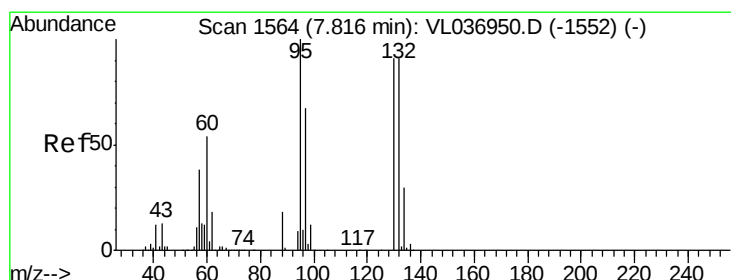
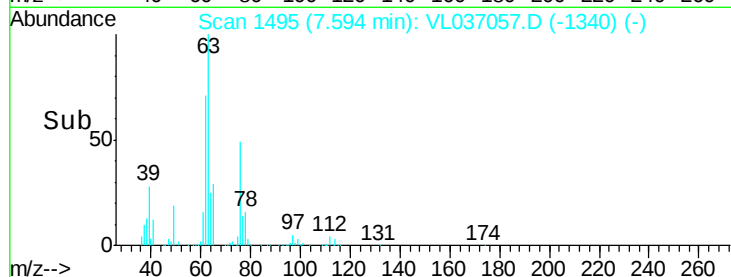
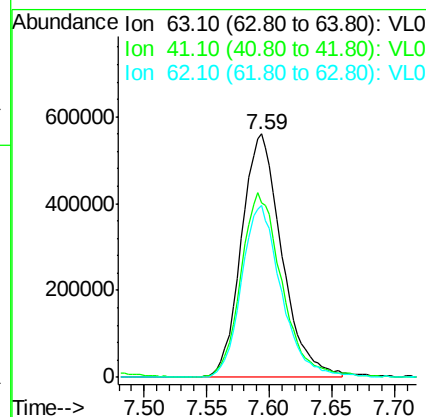
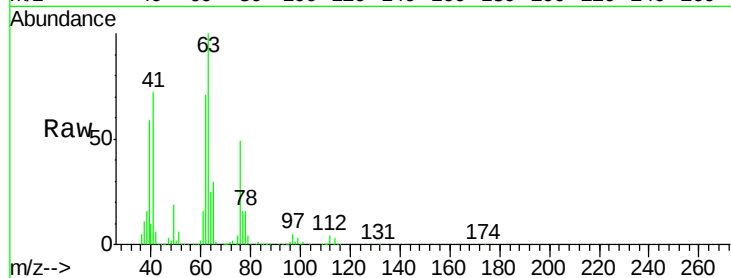
#39
 1,2-Dichloropropane
 Concen: 10.682 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion: 63 Resp: 1254068
 Ion Ratio Lower Upper
 63 100
 41 71.6 55.7 83.5
 62 70.5 56.2 84.4

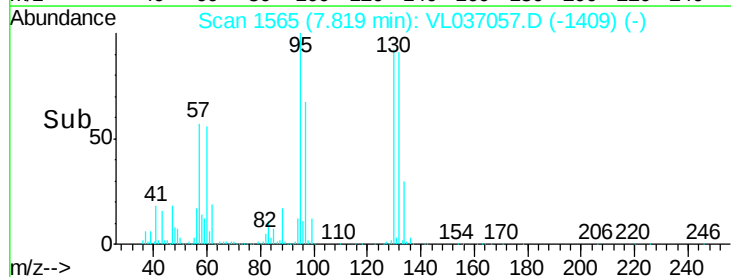
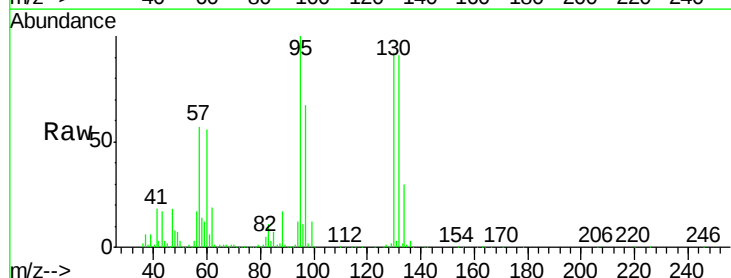
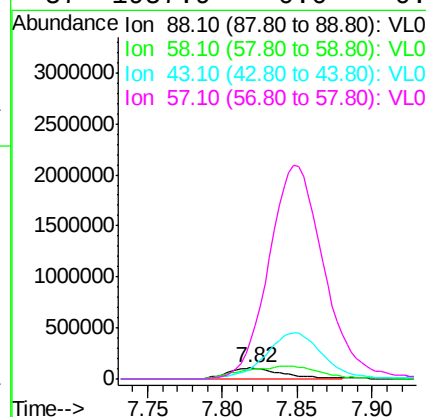
Manual Integrations
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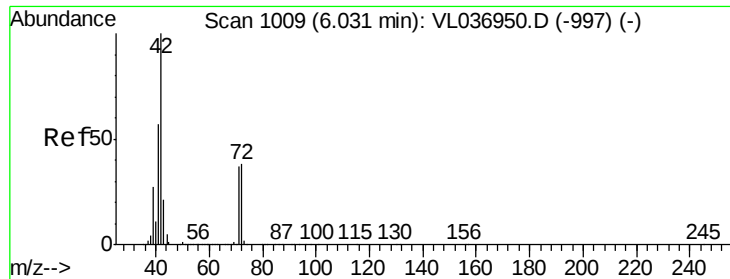
MMDadoda
 5/27/2021 10:31:27 AM



#40
 1,4-Dioxane
 Concen: 9.950 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 88 Resp: 275816
 Ion Ratio Lower Upper
 88 100
 58 168.7 0.0 0.0#
 43 439.1 0.0 0.0#
 57 1957.9 0.0 0.0#





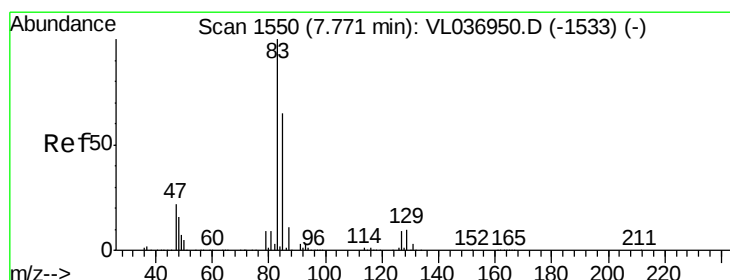
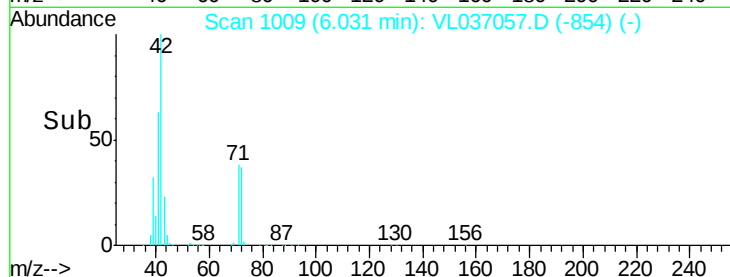
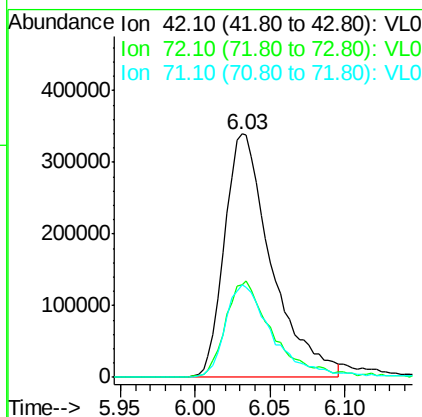
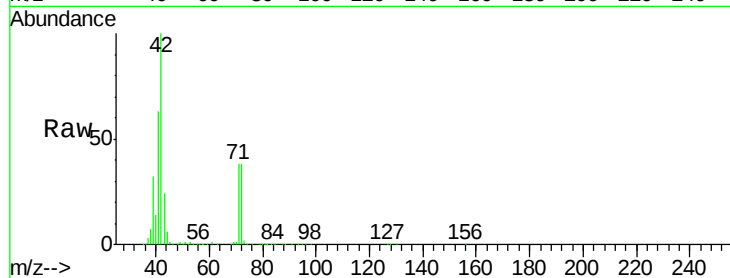
#41
Tetrahydrofuran
Concen: 10.088 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.6	31.4	47.2
71	39.6	30.4	45.6

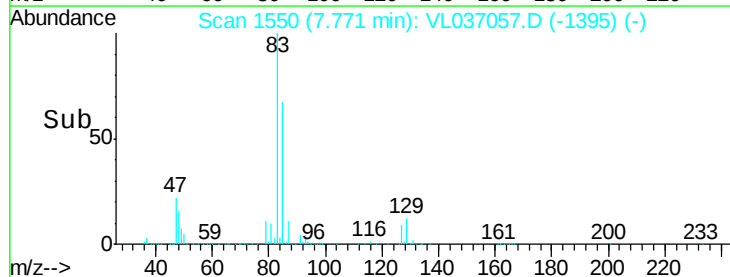
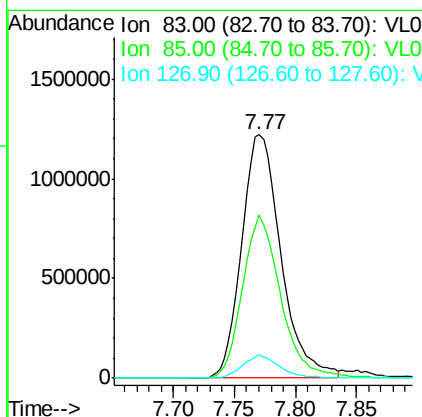
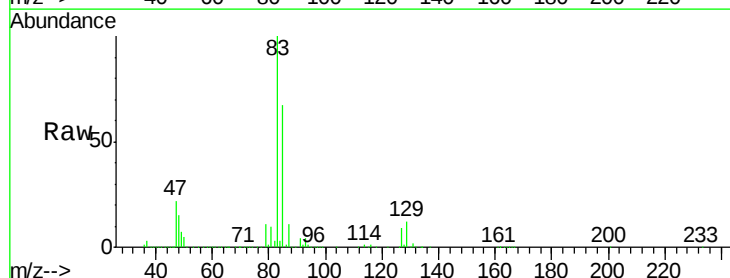
Manual Integrations
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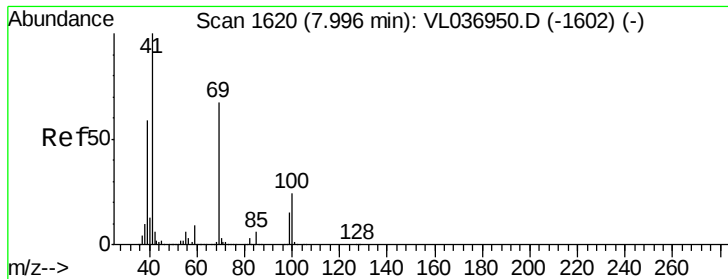
MMDadoda
5/27/2021 10:31:27 AM



#42
Bromodichloromethane
Concen: 11.916 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.7	77.5
127	9.4	6.9	10.3





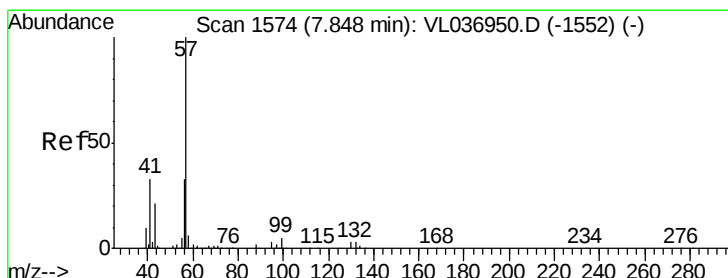
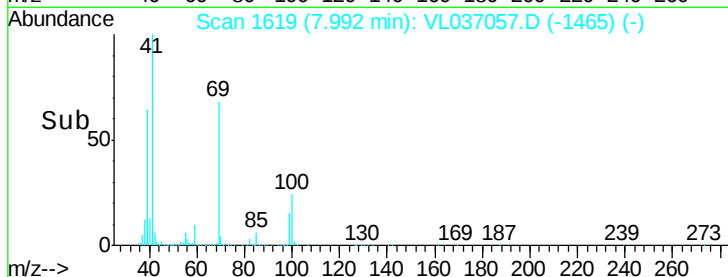
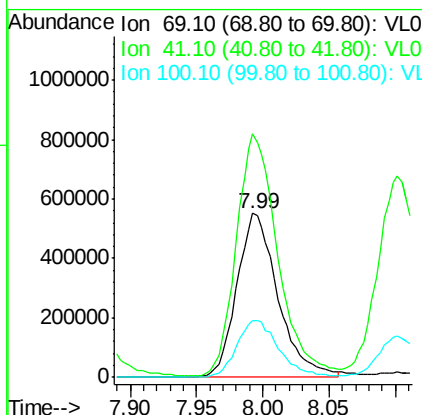
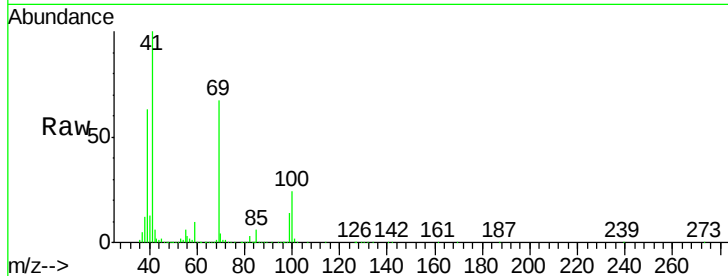
#43
Methyl Methacrylate
Concen: 11.270 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 69 Resp: 1183812
Ion Ratio Lower Upper
69 100
41 151.4 118.6 178.0
100 35.9 28.2 42.4

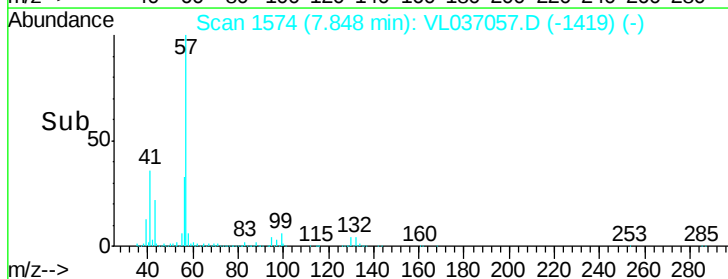
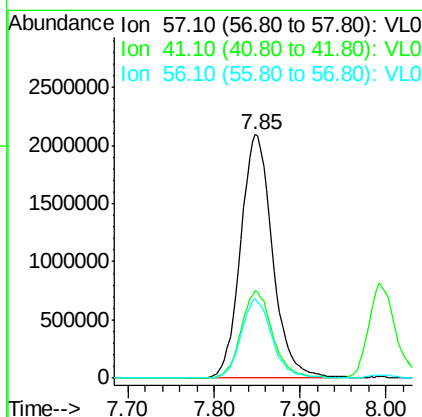
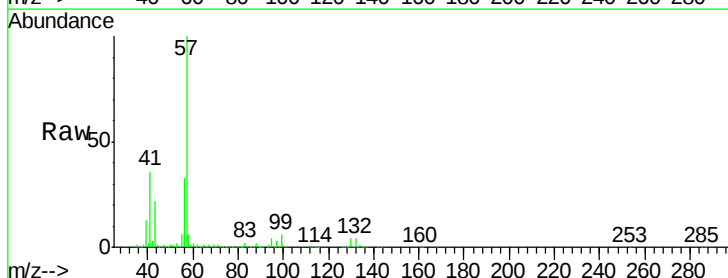
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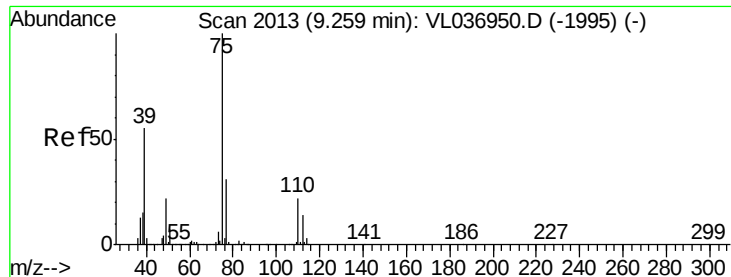
MMDadoda
5/27/2021 10:31:27 AM



#44
2,2,4-Trimethylpentane
Concen: 10.317 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 57 Resp: 5394343
Ion Ratio Lower Upper
57 100
41 35.4 27.0 40.4
56 31.4 25.4 38.2





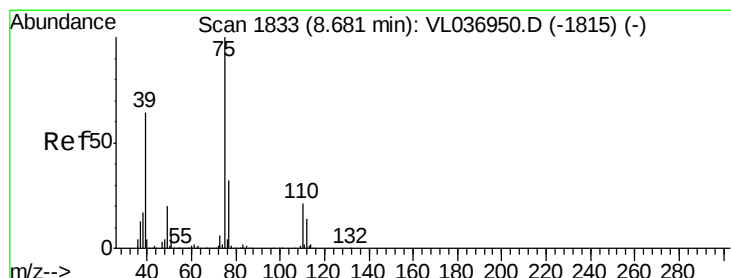
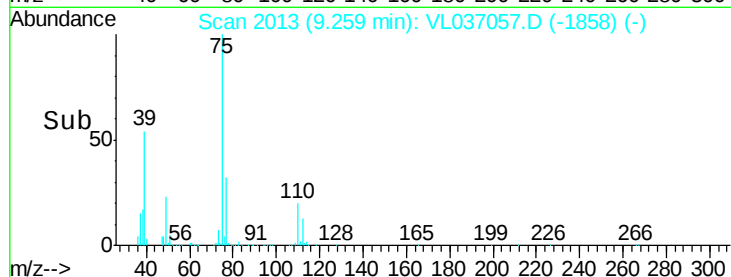
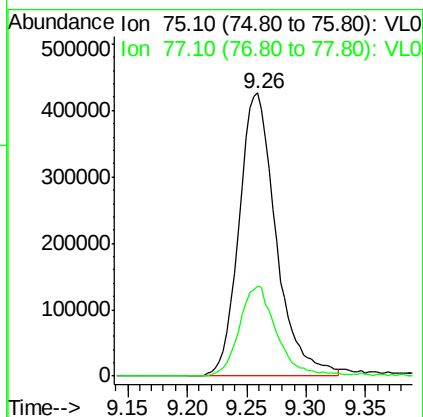
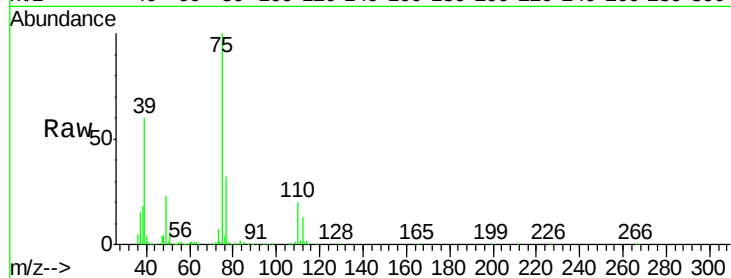
#45
t-1,3-Dichloropropene
Concen: 11.450 ppbv
RT: 9.26 min Scan# 2013
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 75 Resp: 918873
Ion Ratio Lower Upper
75 100
77 32.0 24.4 36.6

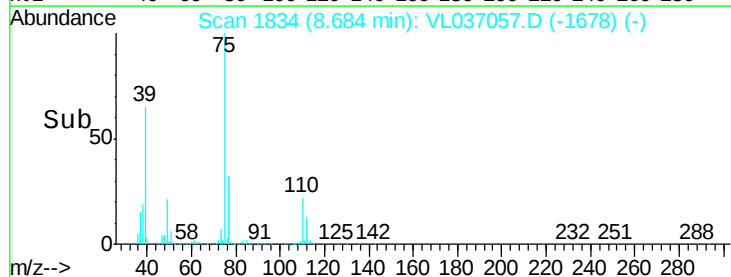
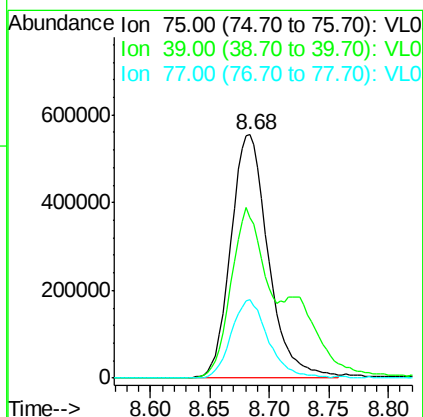
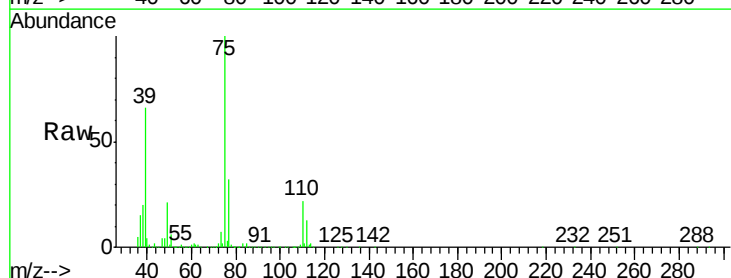
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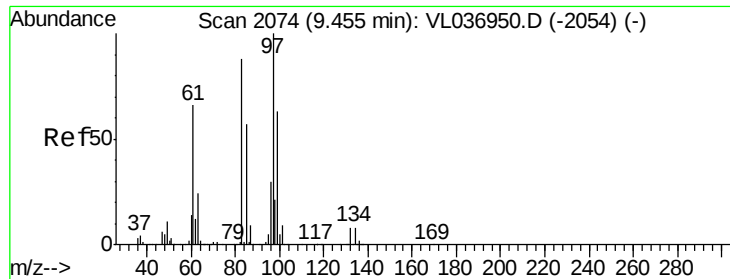
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.246 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 75 Resp: 1213848
Ion Ratio Lower Upper
75 100
39 65.9 51.5 77.3
77 32.0 25.9 38.9





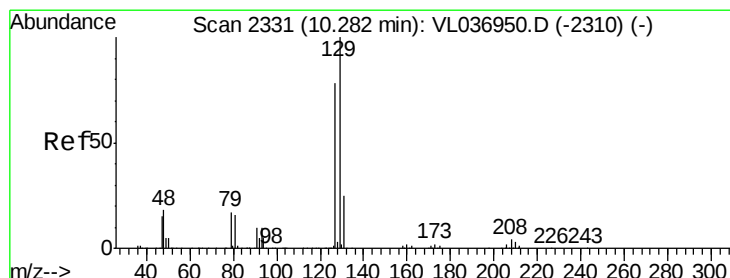
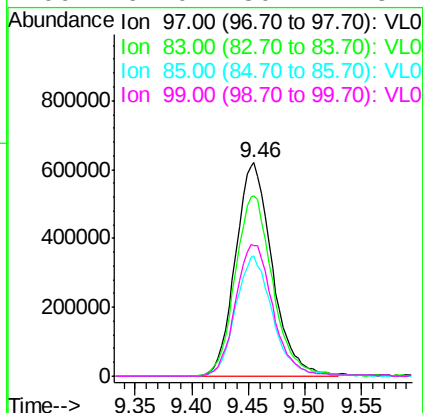
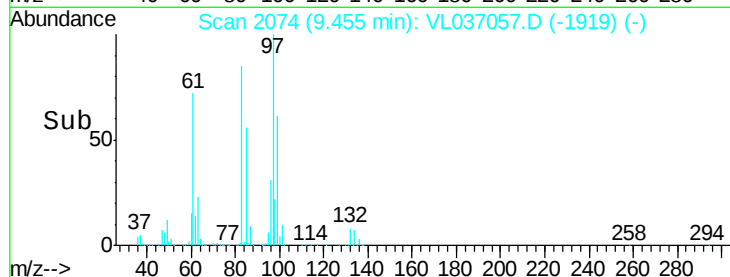
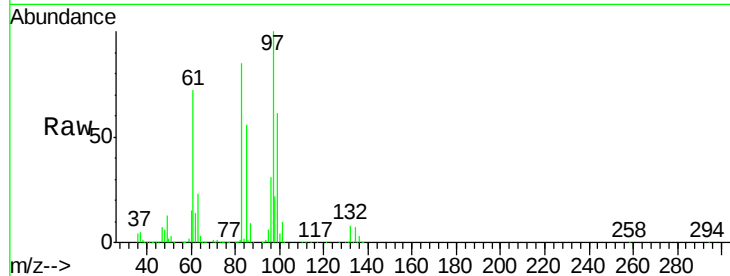
#47
 1,1,2-Trichloroethane
 Concen: 11.441 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.4	105.6
85	56.3	45.5	68.3
99	61.0	50.2	75.2

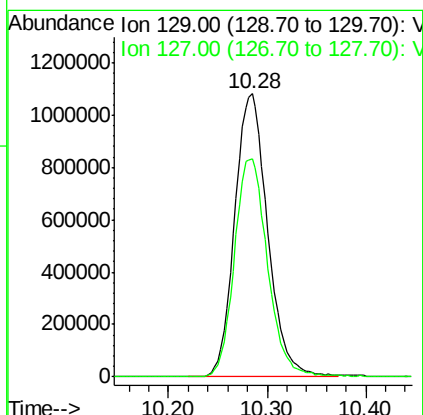
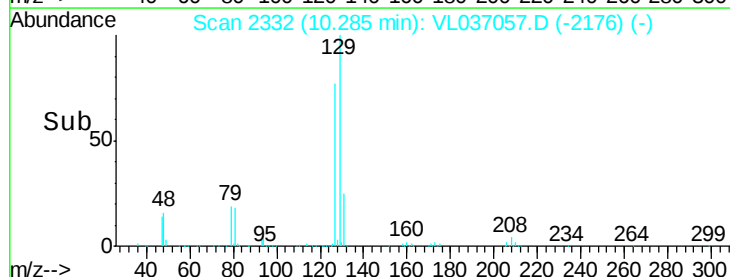
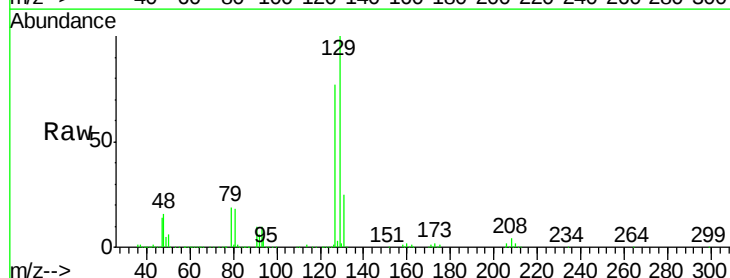
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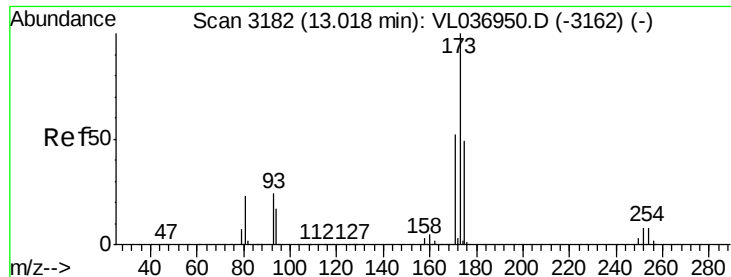
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#48
 Dibromochloromethane
 Concen: 12.612 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.3	117.8





#49

Bromoform

Concen: 12.571 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion:173 Resp: 2065451

Ion Ratio Lower Upper

173 100

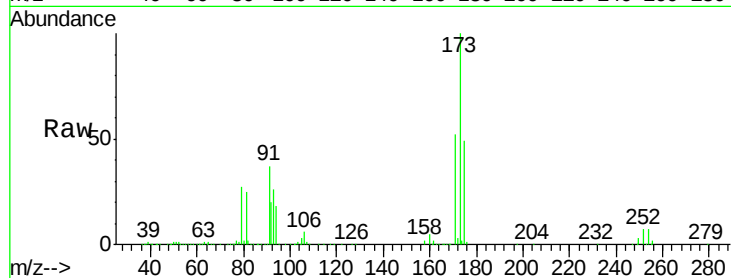
175 49.3 40.4 60.6

171 52.7 42.6 64.0

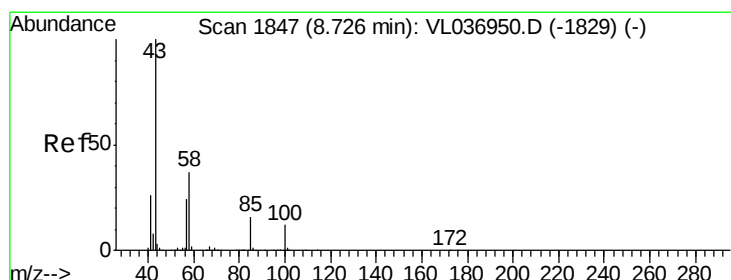
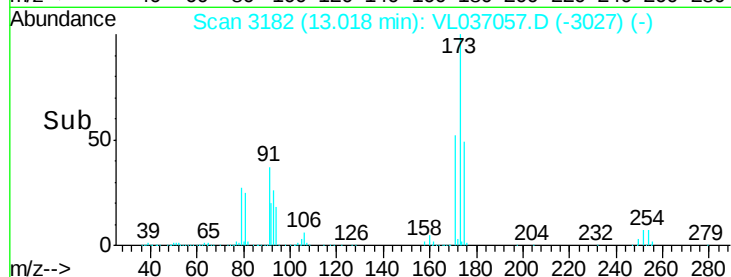
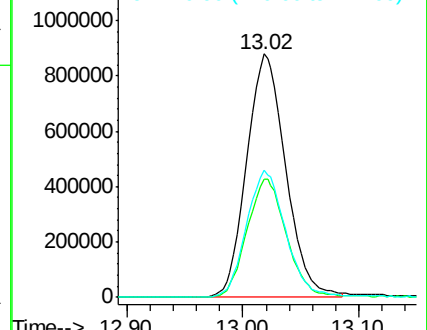
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.107 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL037057.D

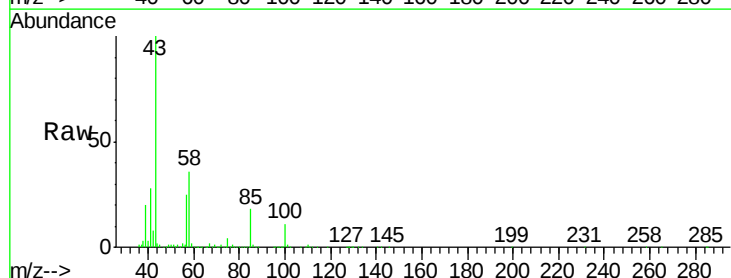
Acq: 25 May 2021 11:29

Tgt Ion: 43 Resp: 2361273

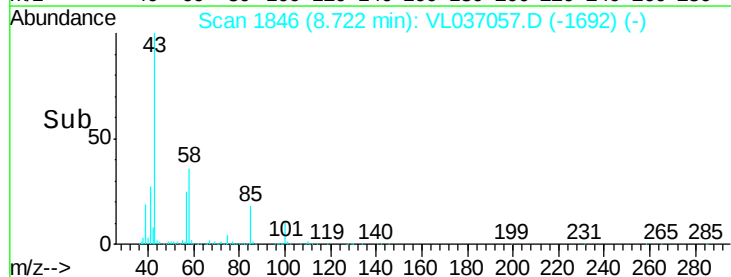
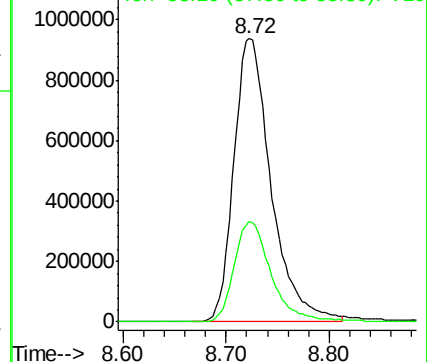
Ion Ratio Lower Upper

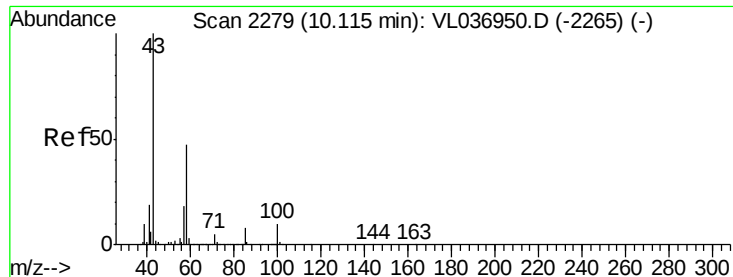
43 100

58 35.7 29.4 44.2



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





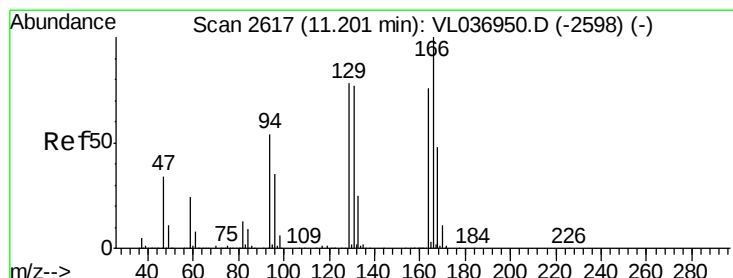
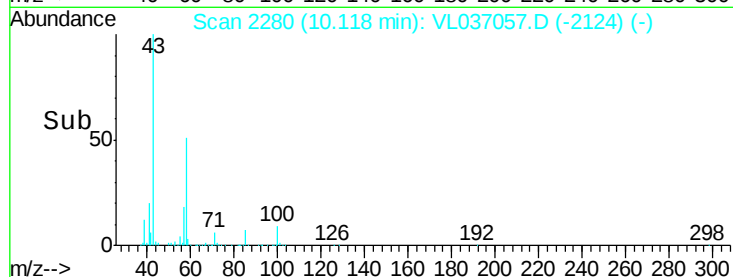
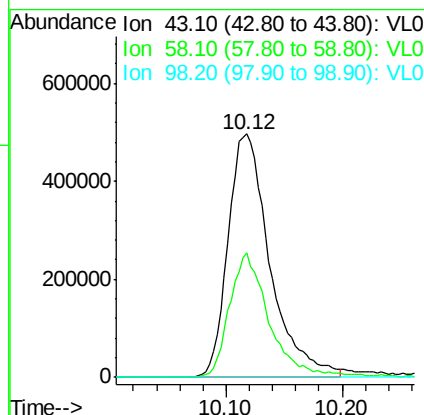
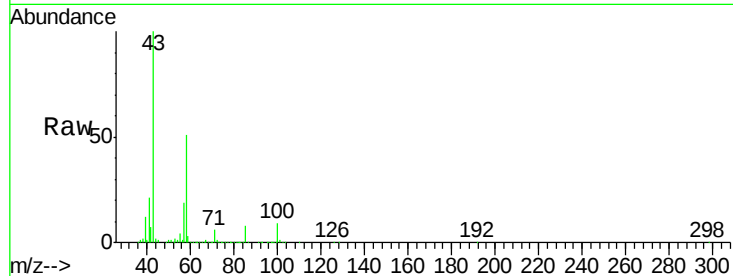
#51
2-Hexanone
Concen: 11.014 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 43 Resp: 1237893
Ion Ratio Lower Upper
43 100
58 48.9 41.1 61.7
98 0.4 0.1 0.1#

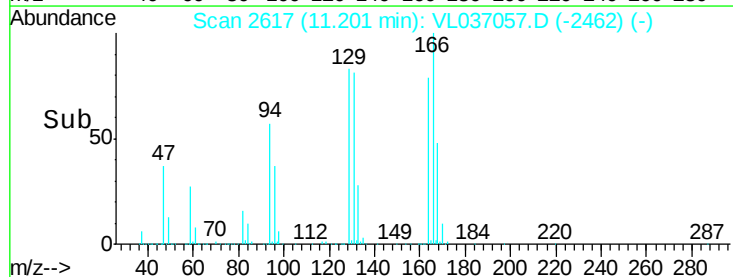
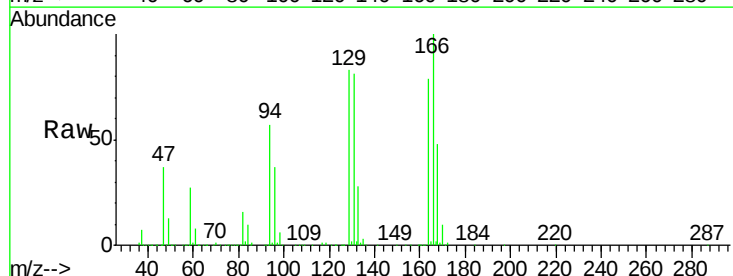
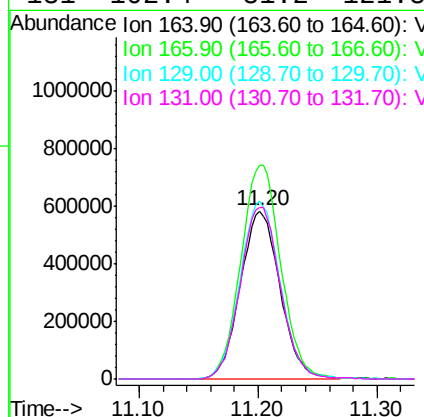
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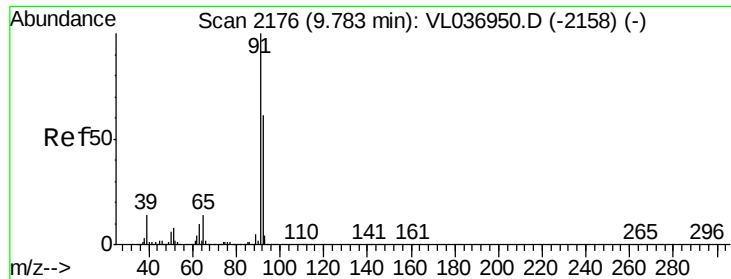
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#52
Tetrachloroethene
Concen: 11.100 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 164 Resp: 1345146
Ion Ratio Lower Upper
164 100
166 126.9 105.5 158.3
129 105.7 81.8 122.8
131 102.4 81.2 121.8





#53

Toluene

Concen: 10.813 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion: 91 Resp: 3920935

Ion Ratio Lower Upper

91 100

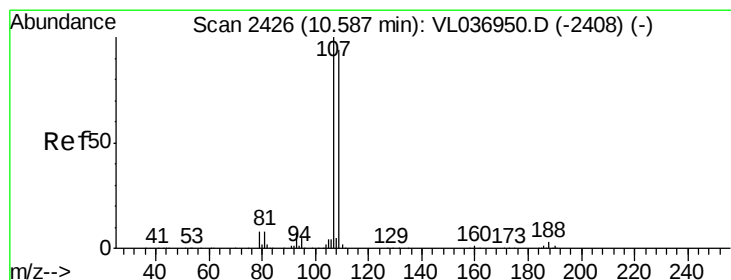
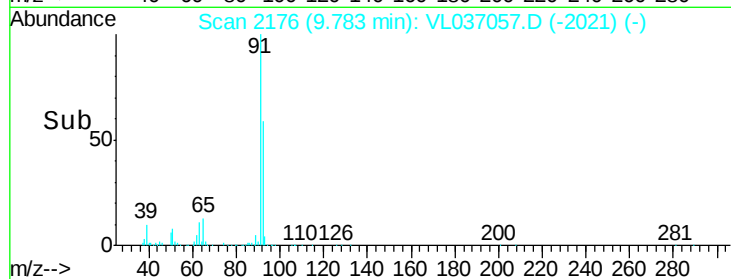
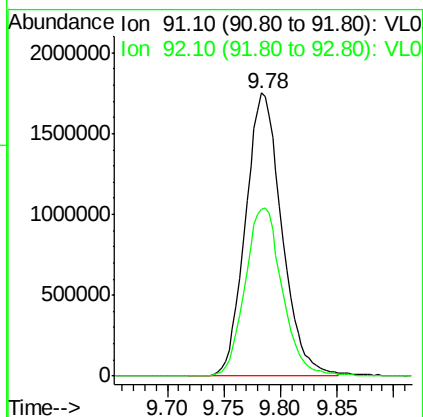
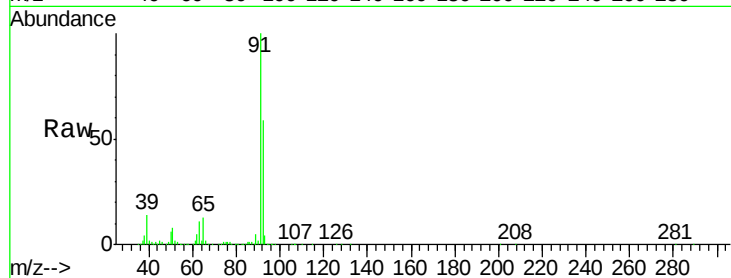
92 61.2 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 11.811 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037057.D

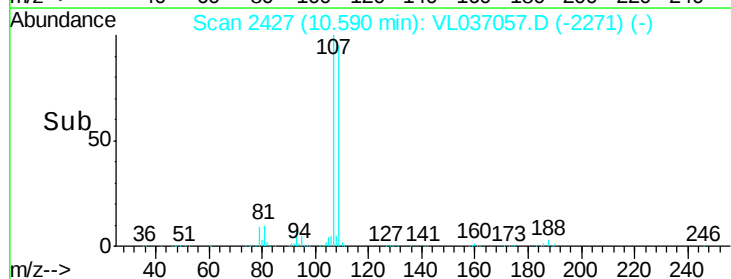
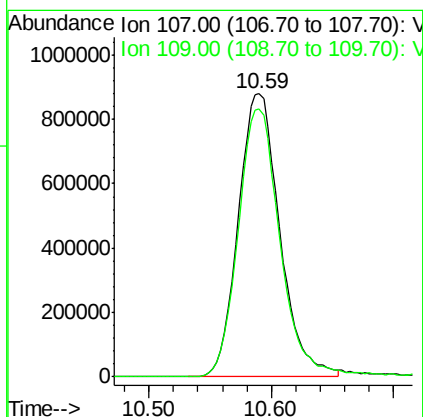
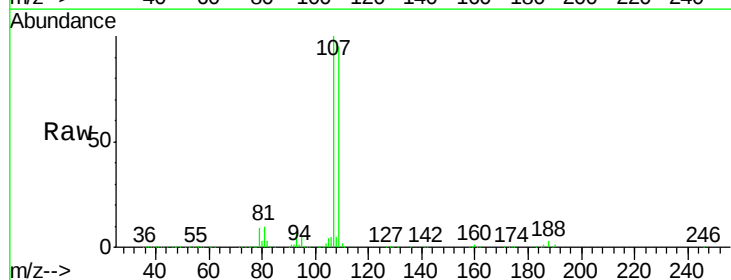
Acq: 25 May 2021 11:29

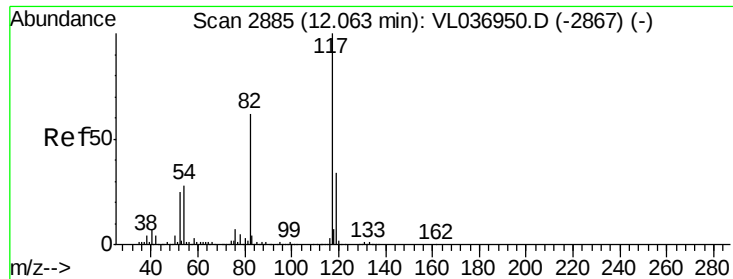
Tgt Ion: 107 Resp: 2063327

Ion Ratio Lower Upper

107 100

109 94.8 75.0 112.4





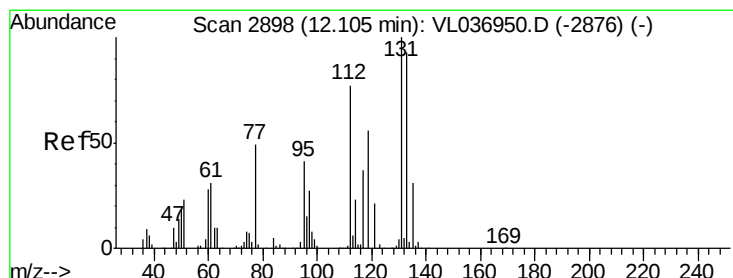
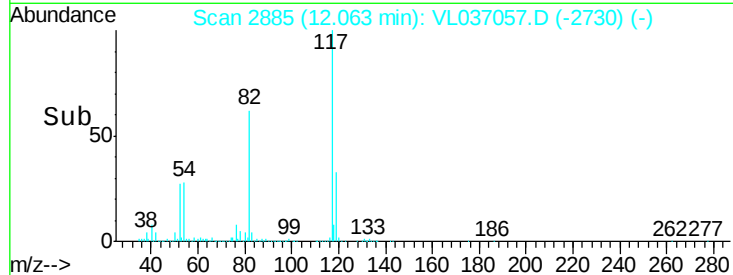
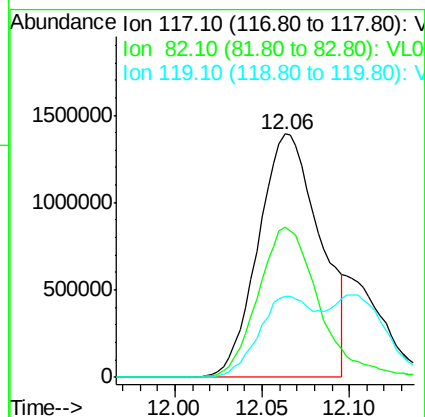
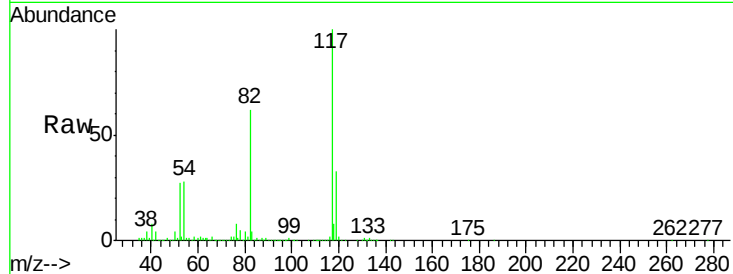
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion:117 Resp: 3413948
Ion Ratio Lower Upper
117 100
82 62.1 52.6 79.0
119 29.6 46.6 70.0#

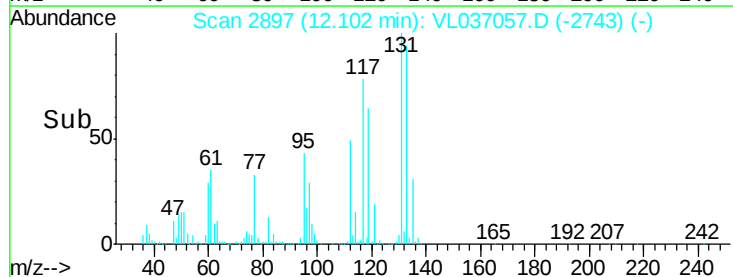
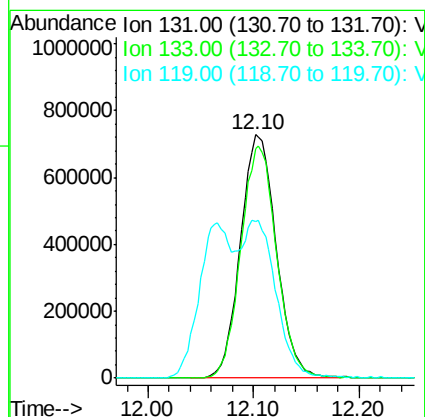
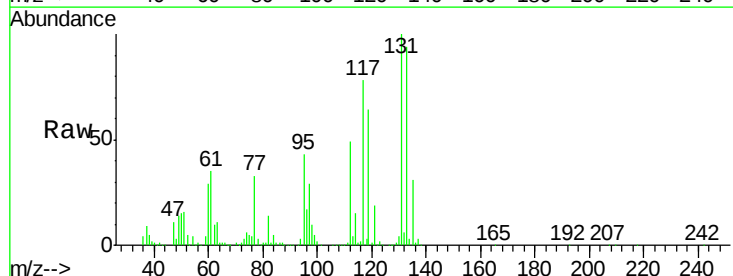
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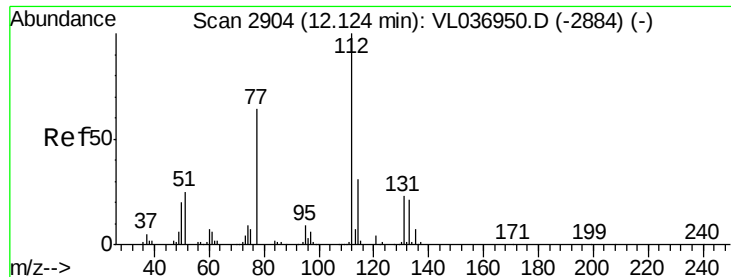
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.962 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion:131 Resp: 1718360
Ion Ratio Lower Upper
131 100
133 95.8 76.9 115.3
119 59.6 120.2 180.4#





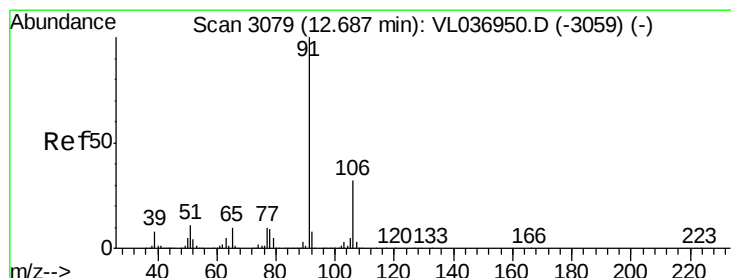
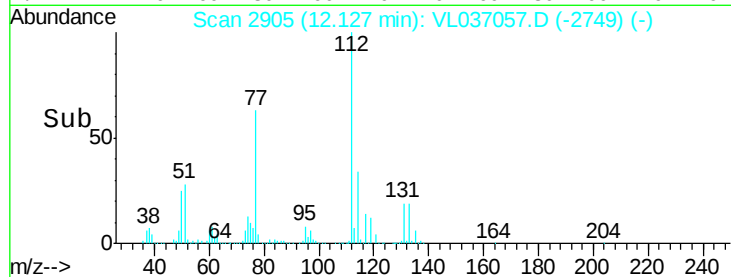
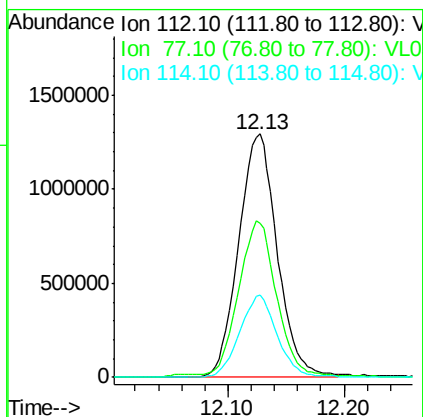
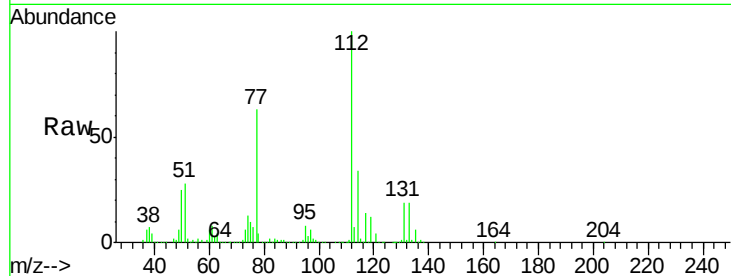
#57
Chlorobenzene
Concen: 11.287 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 112 Resp: 2987693
Ion Ratio Lower Upper
112 100
77 62.5 51.0 76.6
114 34.0 28.3 34.5

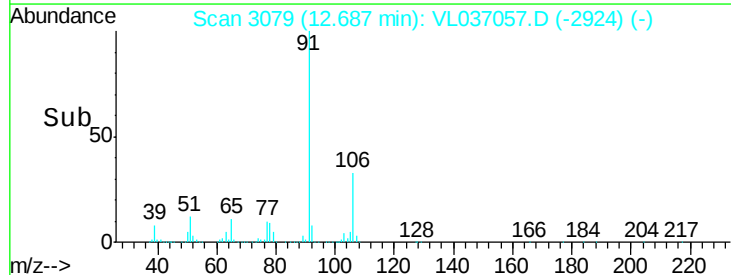
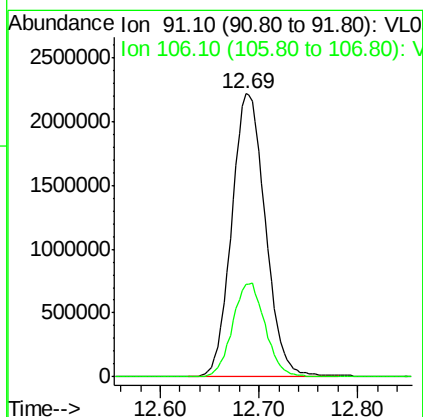
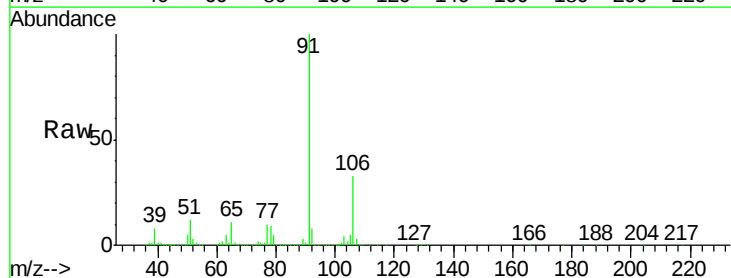
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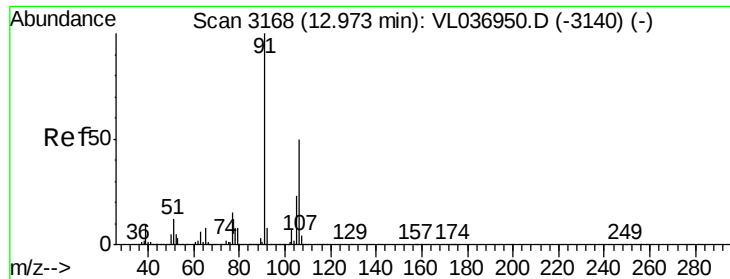
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#58
Ethyl Benzene
Concen: 10.914 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 91 Resp: 5258944
Ion Ratio Lower Upper
91 100
106 32.7 25.6 38.4





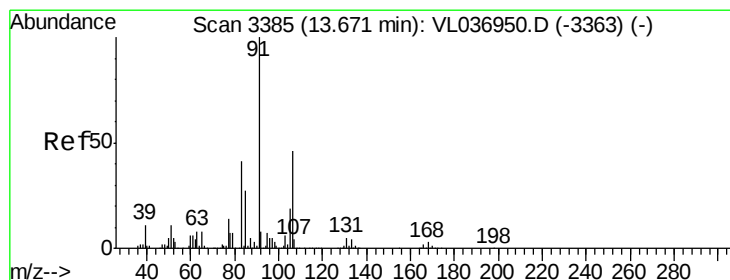
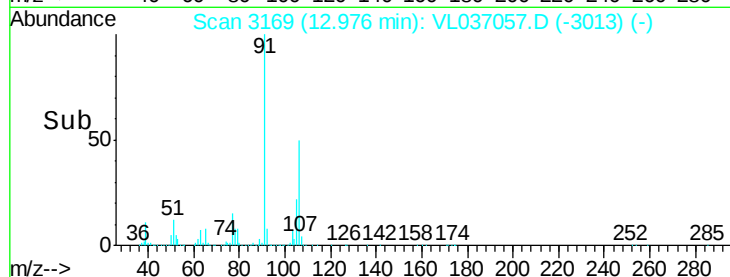
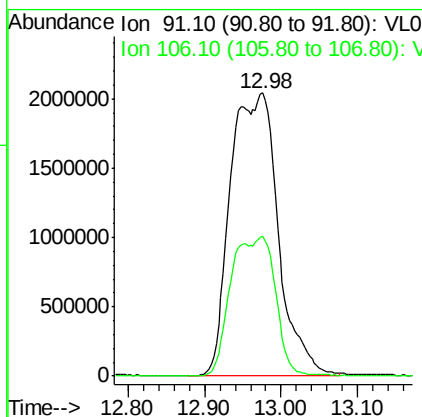
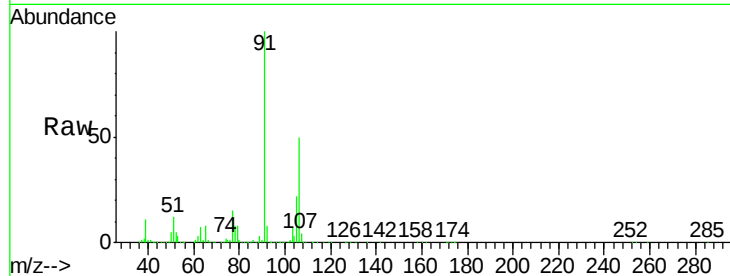
#59
m/p-Xylene
Concen: 22.233 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 91 Resp: 8855328
Ion Ratio Lower Upper
91 100
106 46.1 37.4 56.2

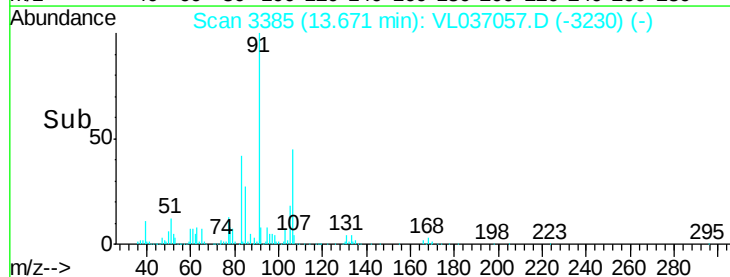
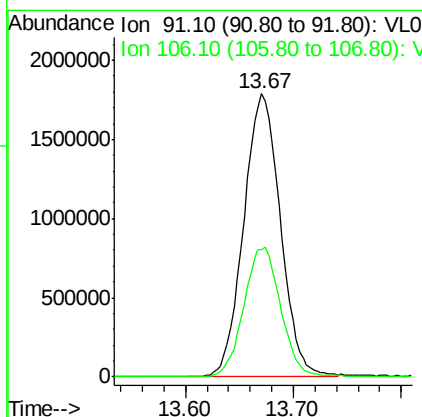
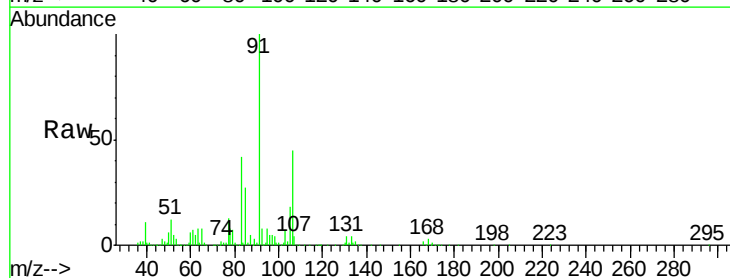
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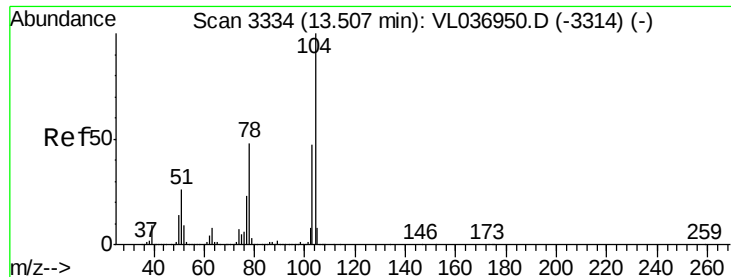
MMDadoda
5/27/2021 10:31:27 AM



#60
o-Xylene
Concen: 11.125 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 91 Resp: 4225910
Ion Ratio Lower Upper
91 100
106 46.2 23.4 70.3





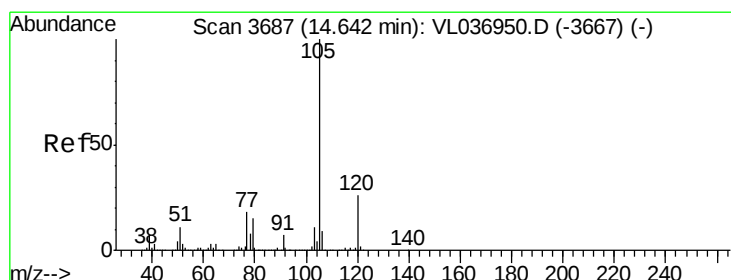
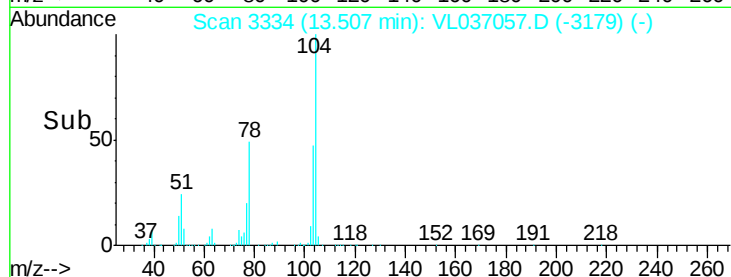
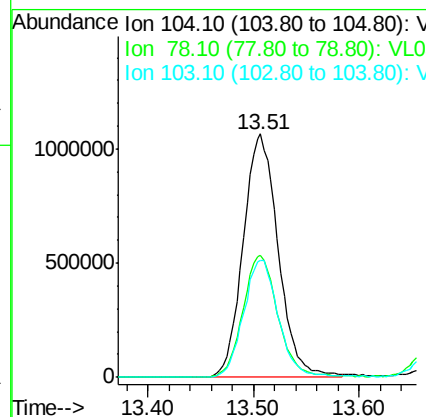
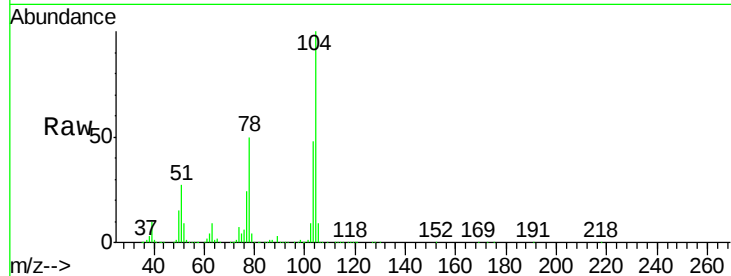
#61
Styrene
Concen: 11.532 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion:104 Resp: 2467851
Ion Ratio Lower Upper
104 100
78 50.1 39.0 58.6
103 48.1 38.0 57.0

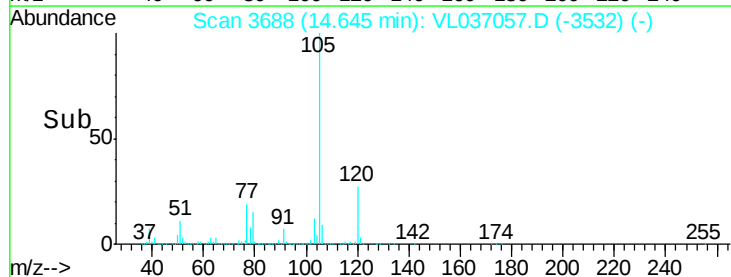
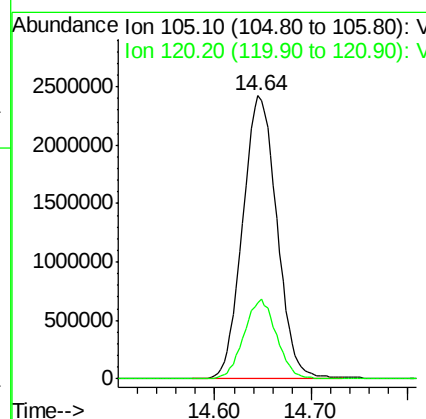
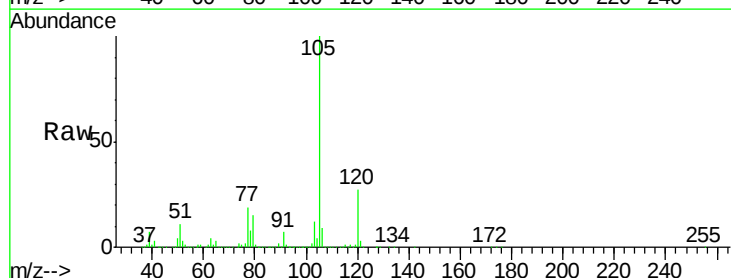
Manual Integrations
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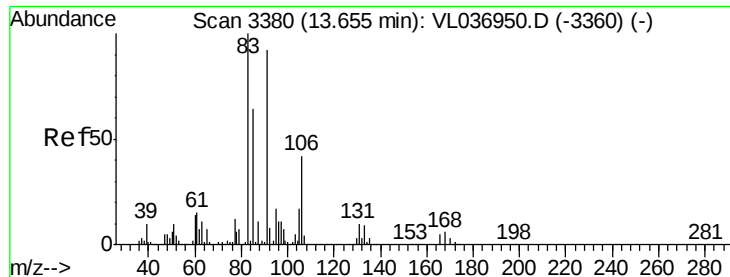
MMDadoda
5/27/2021 10:31:27 AM



#62
Isopropylbenzene
Concen: 10.943 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion:105 Resp: 5973984
Ion Ratio Lower Upper
105 100
120 26.9 21.7 32.5





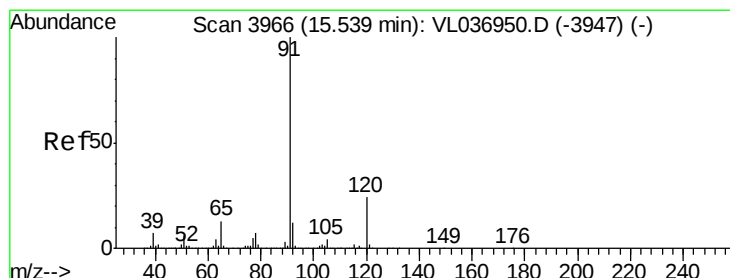
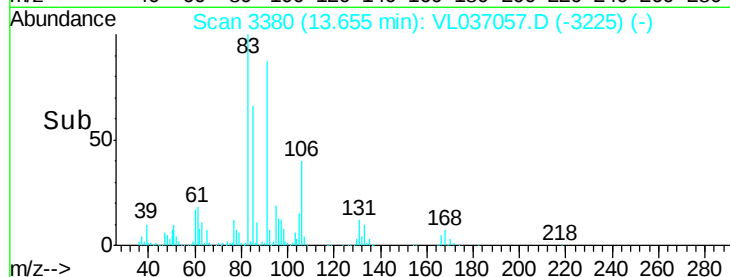
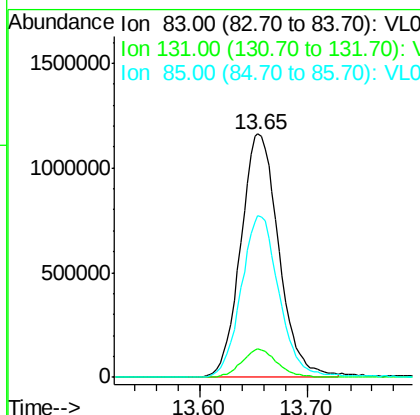
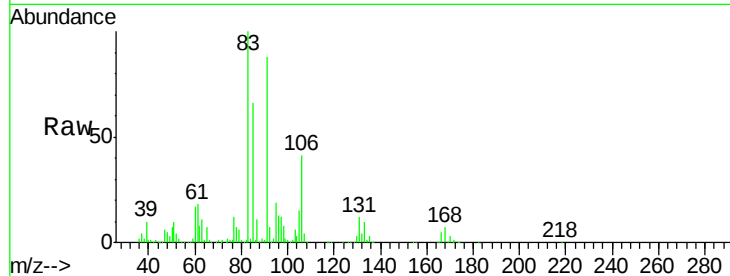
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.043 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion: 83 Resp: 2849309
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.0 15.0
 85 67.2 32.9 98.6

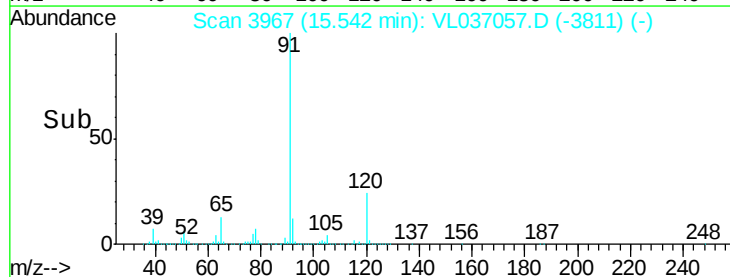
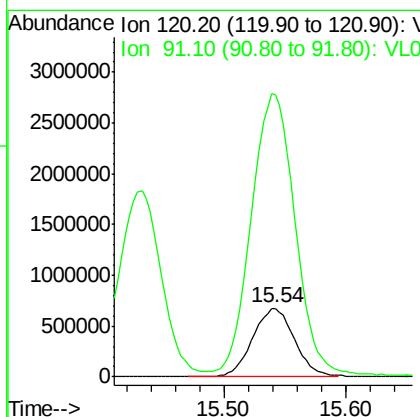
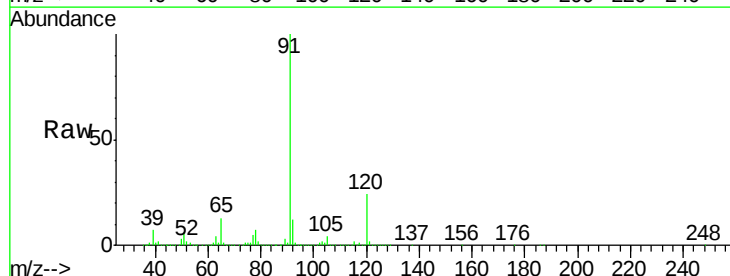
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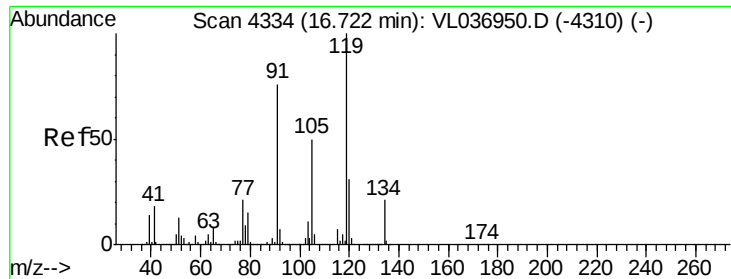
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#64
 n-propylbenzene
 Concen: 11.432 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 120 Resp: 1610219
 Ion Ratio Lower Upper
 120 100
 91 437.2 343.8 515.6





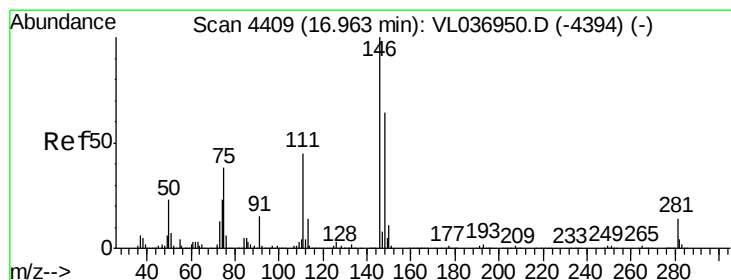
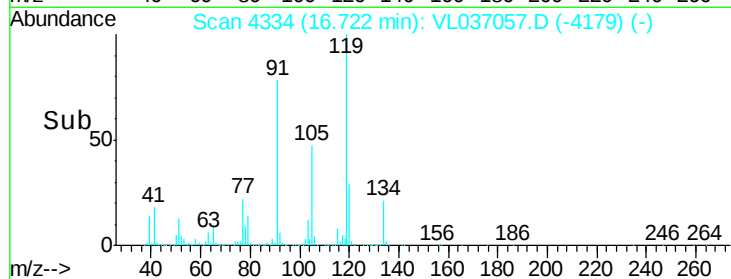
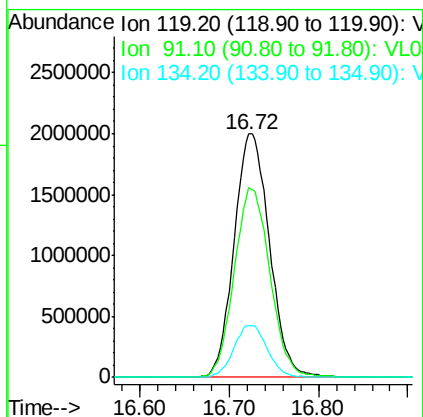
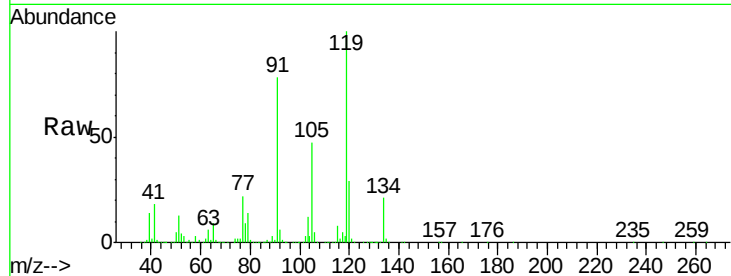
#65
 tert-Butylbenzene
 Concen: 11.169 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion: 119 Resp: 5502017
 Ion Ratio Lower Upper
 119 100
 91 78.5 61.9 92.9
 134 20.4 16.2 24.4

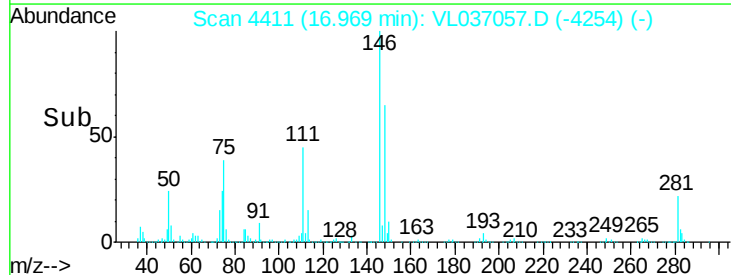
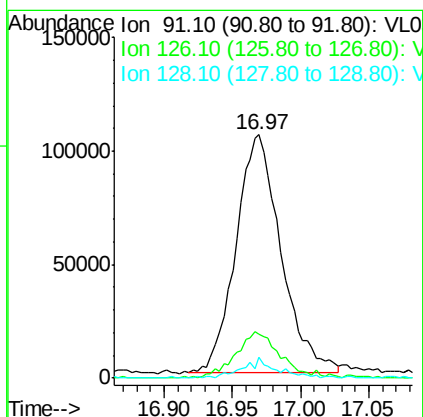
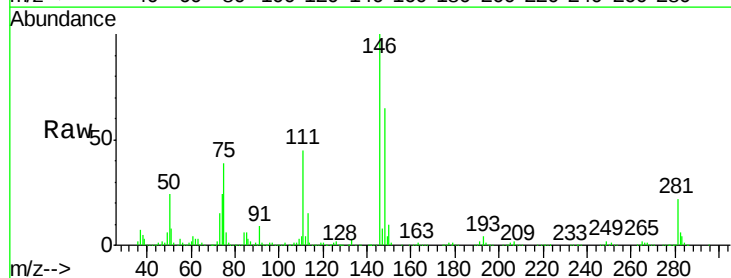
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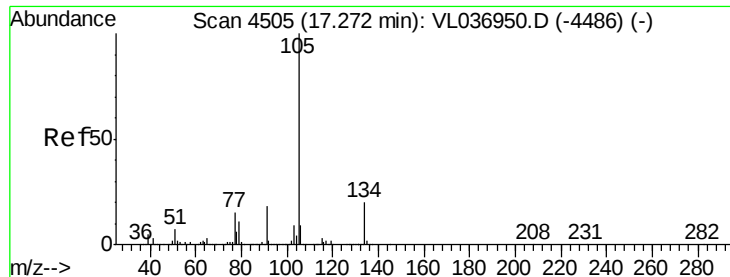
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#66
 Benzyl Chloride
 Concen: 8.785 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. 0.01 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 91 Resp: 240117
 Ion Ratio Lower Upper
 91 100
 126 20.1 16.5 24.7
 128 7.0 5.5 8.3





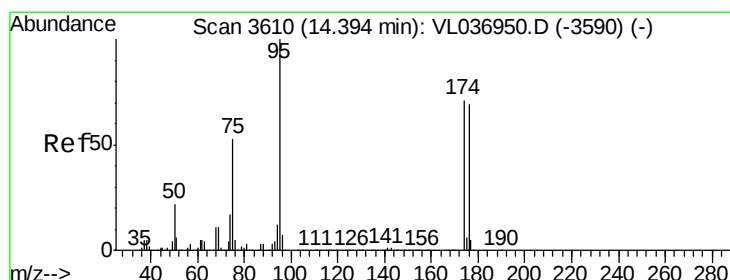
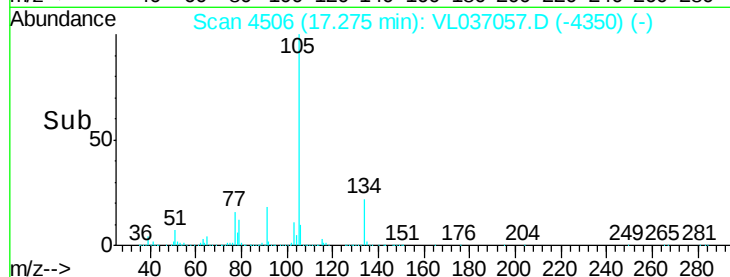
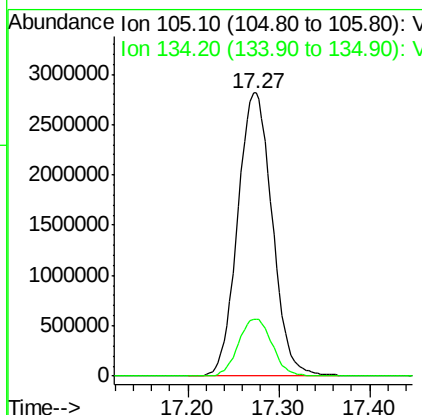
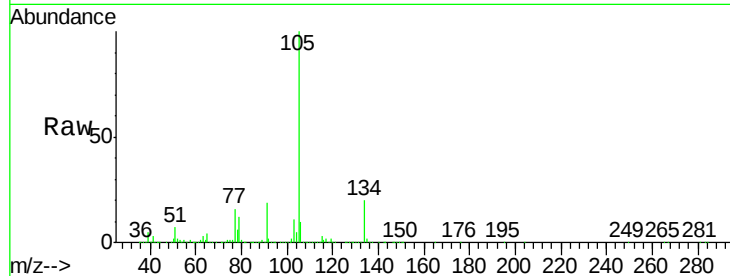
#67
 sec-Butylbenzene
 Concen: 11.018 ppbv
 RT: 17.27 min Scan# 4506
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion: 105 Resp: 7404068
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.6 23.4

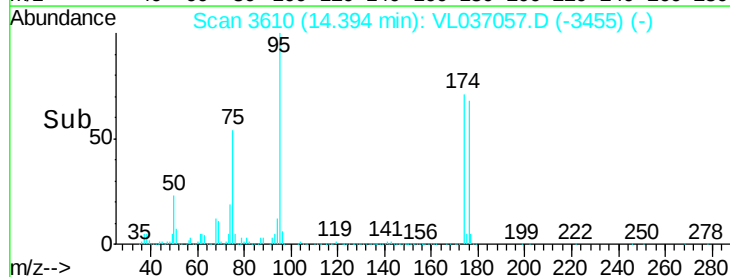
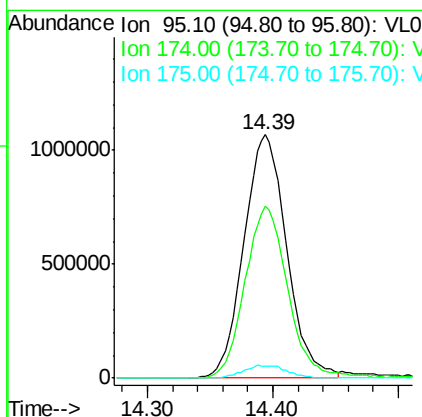
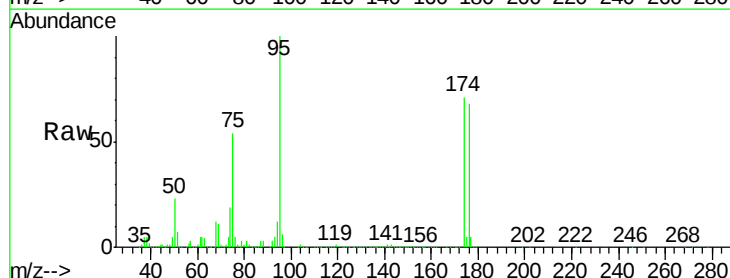
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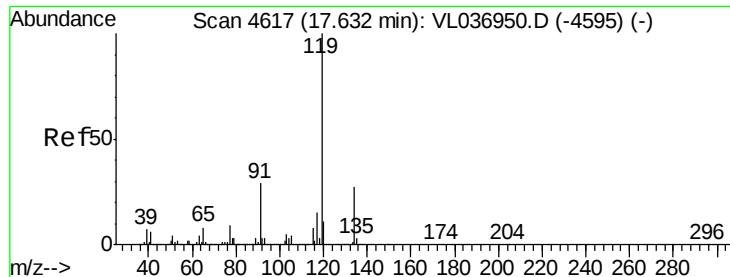
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.888 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 95 Resp: 2536031
 Ion Ratio Lower Upper
 95 100
 174 72.0 58.4 87.6
 175 5.4 4.4 6.6





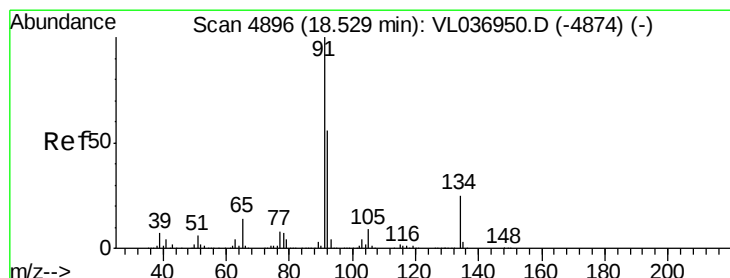
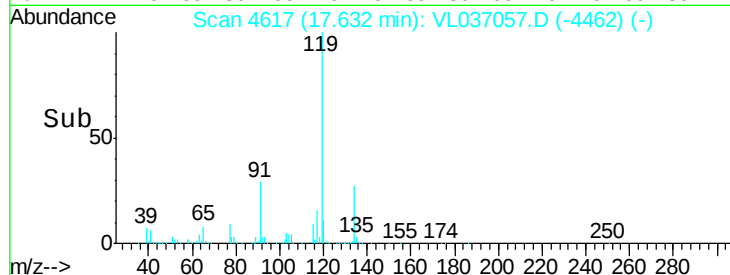
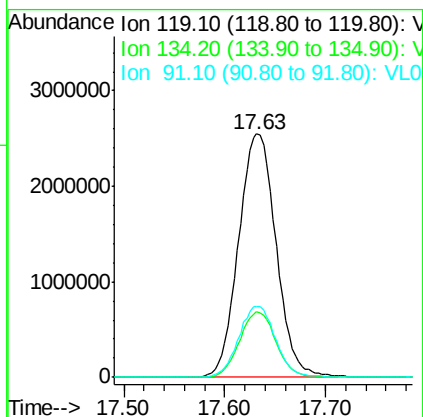
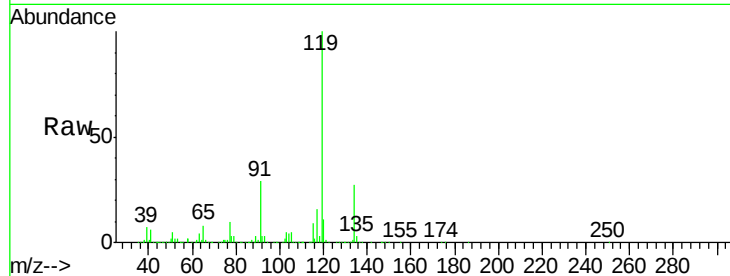
#69
p-Isopropyltoluene
Concen: 11.343 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

Tgt Ion: 119 Resp: 6553898
Ion Ratio Lower Upper
119 100
134 26.3 21.2 31.8
91 28.7 22.2 33.4

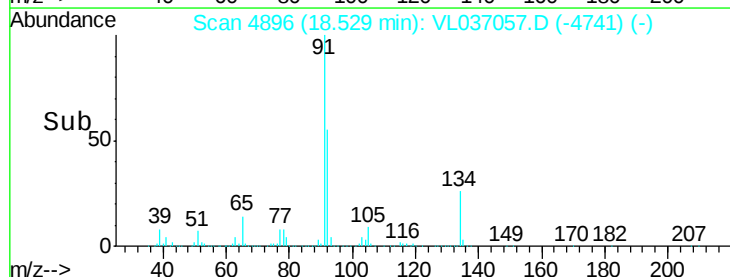
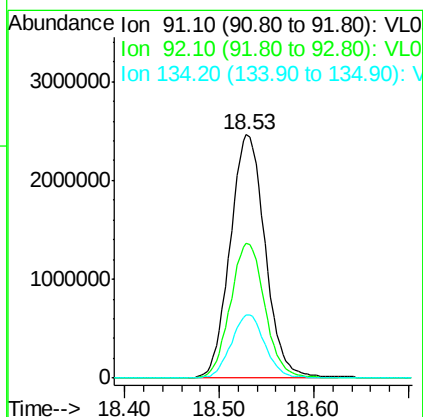
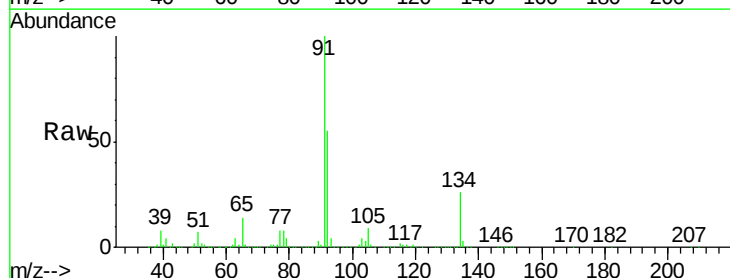
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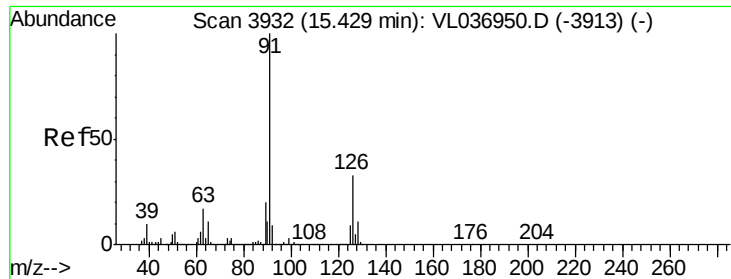
MMDadoda
5/27/2021 10:31:27 AM



#70
n-Butylbenzene
Concen: 11.523 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 91 Resp: 6324624
Ion Ratio Lower Upper
91 100
92 55.0 44.6 66.8
134 25.3 20.2 30.2





#71

2-Chlorotoluene

Concen: 11.133 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion: 91 Resp: 4389845

Ion Ratio Lower Upper

91 100

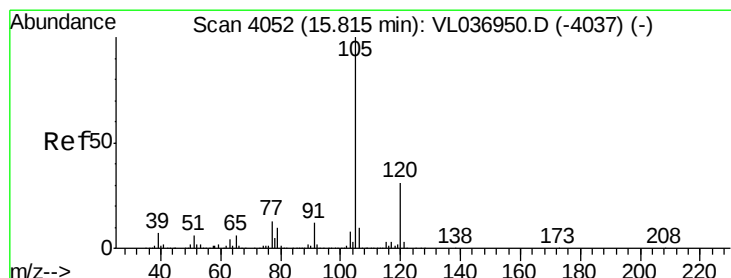
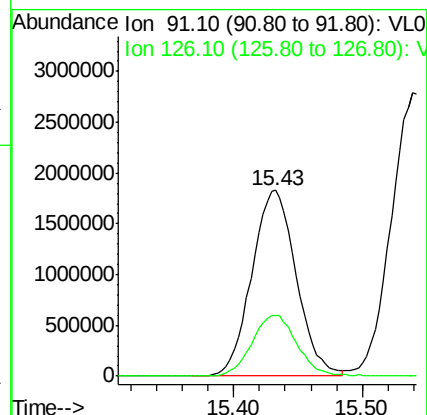
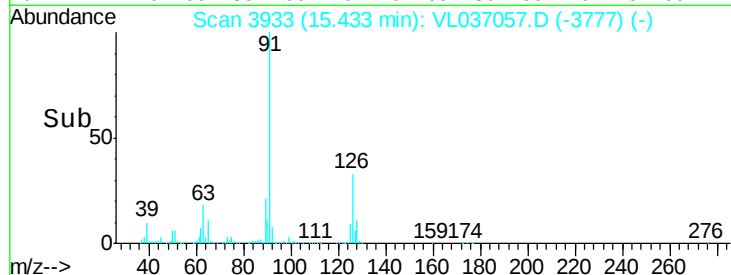
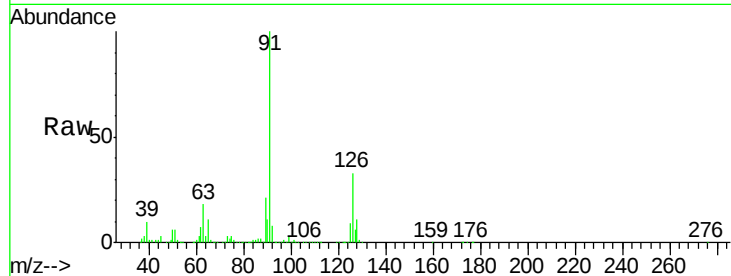
126 33.7 13.1 52.5

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#72

4-Ethyltoluene

Concen: 11.567 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Tgt Ion: 105 Resp: 5215148

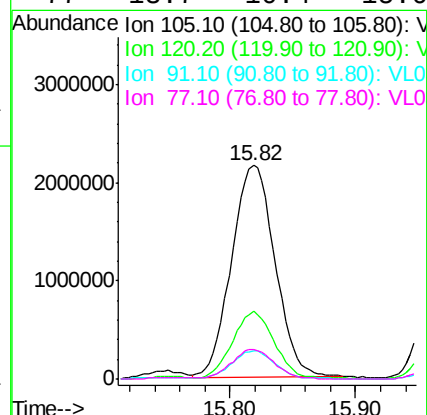
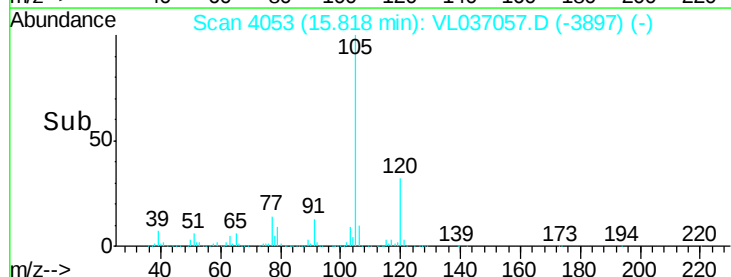
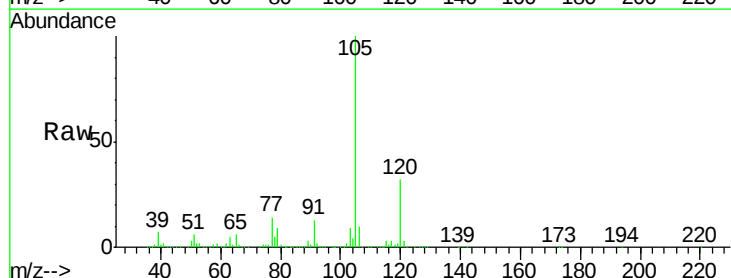
Ion Ratio Lower Upper

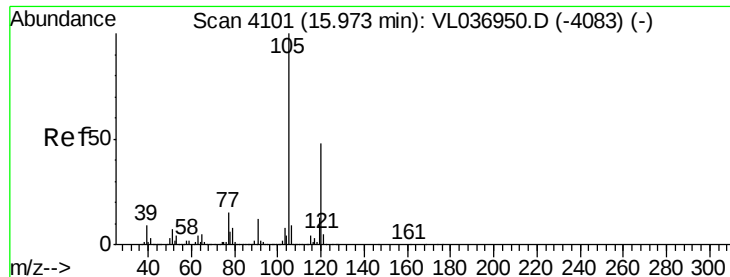
105 100

120 30.9 24.6 37.0

91 12.9 9.8 14.6

77 13.7 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 11.290 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion:105 Resp: 4779787

Ion Ratio Lower Upper

105 100

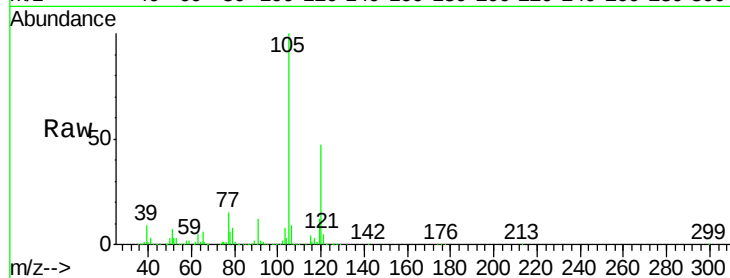
120 47.4 38.6 58.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

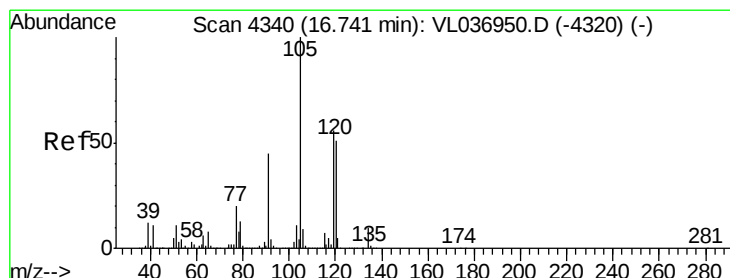
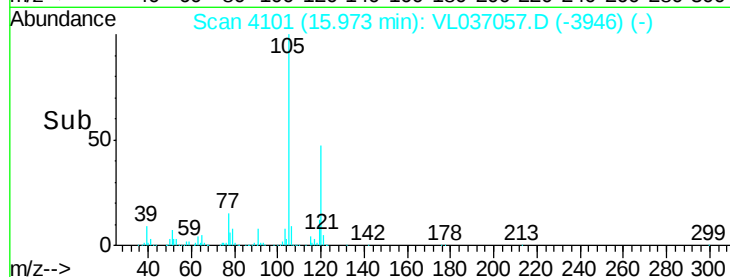
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 11.483 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Tgt Ion:105 Resp: 5026753

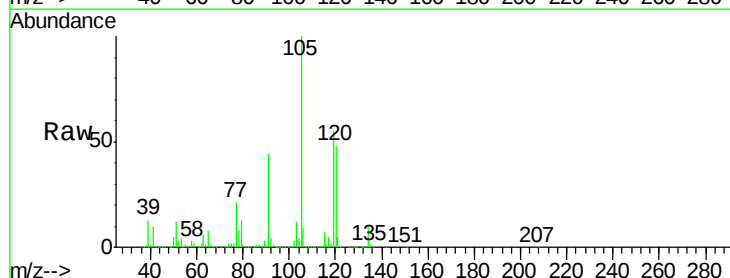
Ion Ratio Lower Upper

105 100

120 48.0 40.6 61.0

91 44.0 37.4 56.0

77 21.1 16.2 24.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2500000

2000000

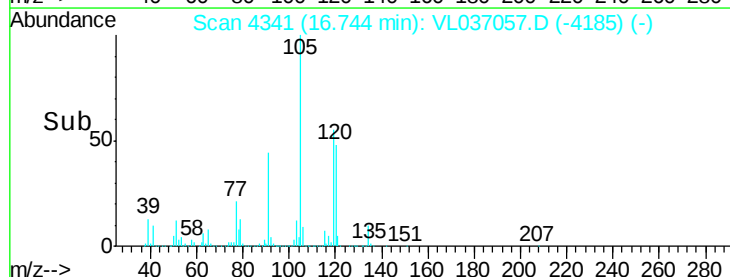
1500000

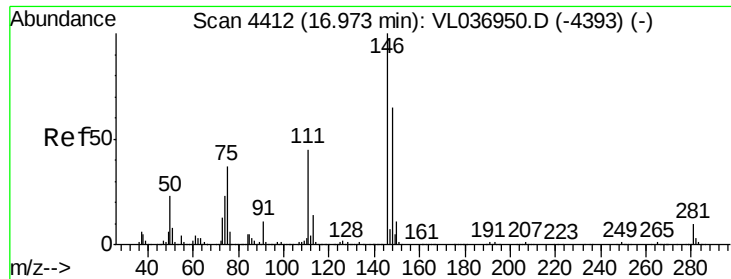
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 11.627 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

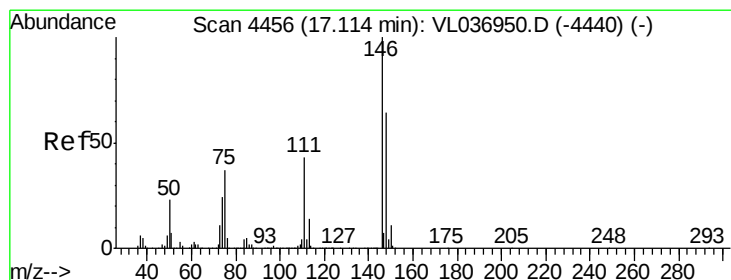
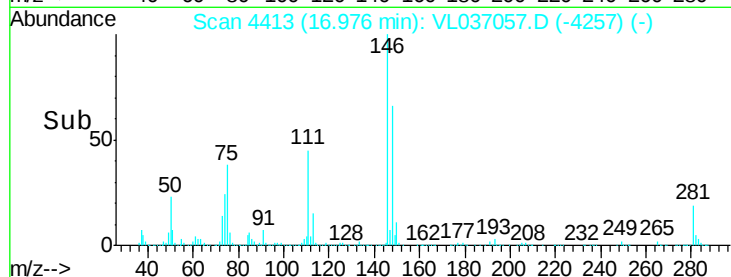
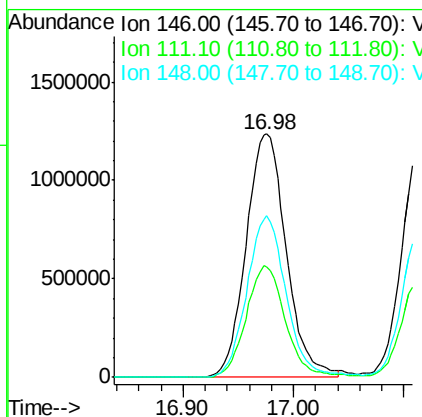
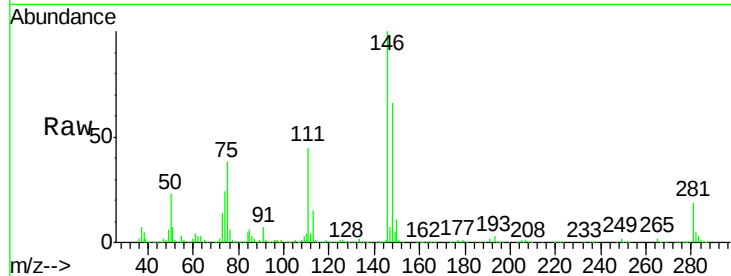
VL0525ABS01

Tgt Ion:146 Resp: 3108166

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.2	66.6
148	65.0	32.3	96.8

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#76

1,4-Dichlorobenzene

Concen: 11.413 ppbv

RT: 17.12 min Scan# 4457

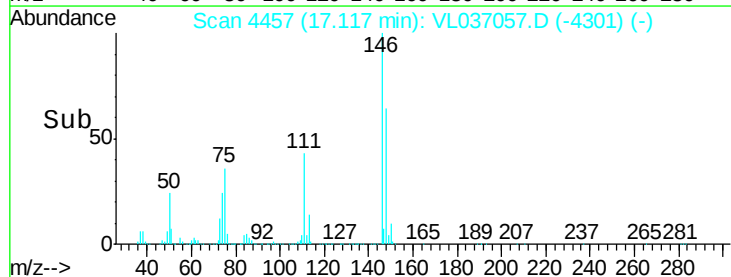
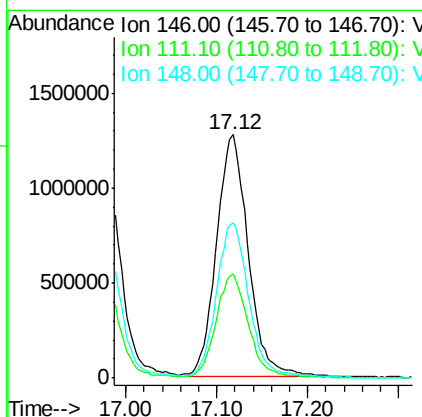
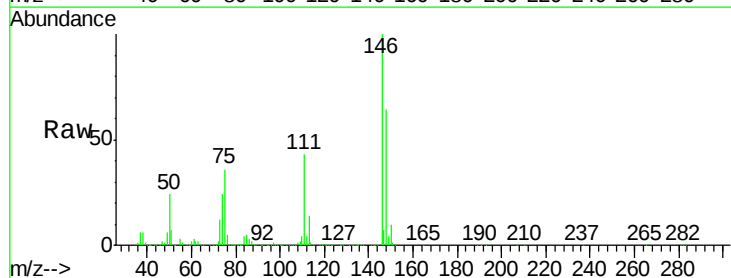
Delta R.T. 0.00 min

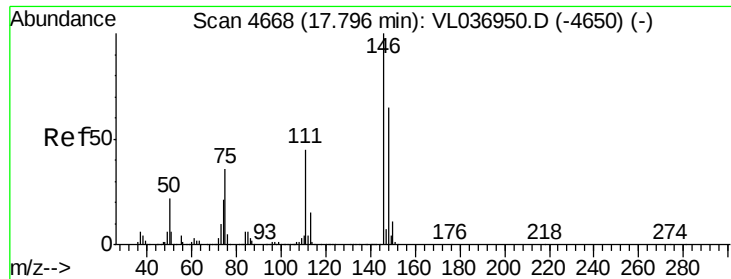
Lab File: VL037057.D

Acq: 25 May 2021 11:29

Tgt Ion:146 Resp: 3084503

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.6	67.7
148	65.7	33.5	100.5





#77

1,2-Dichlorobenzene

Concen: 11.417 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

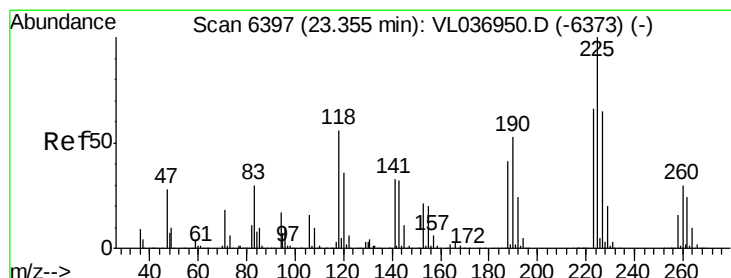
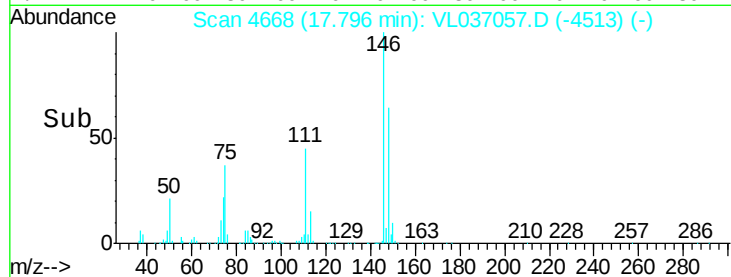
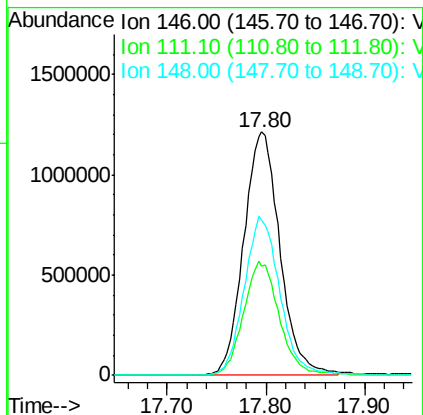
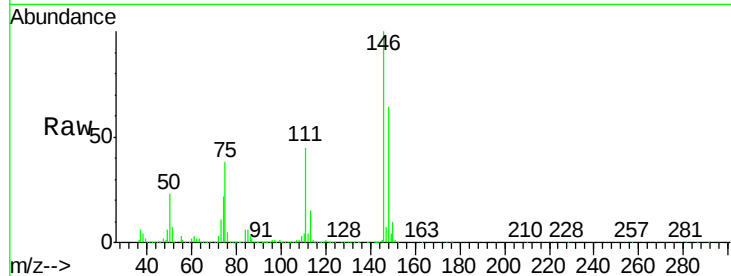
ClientSampleId :

VL0525ABS01

Tgt Ion:	146	Resp:	3057936
Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.1	69.2
148	64.5	32.5	97.4

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#78

Hexachloro-1,3-Butadiene

Concen: 10.320 ppbv

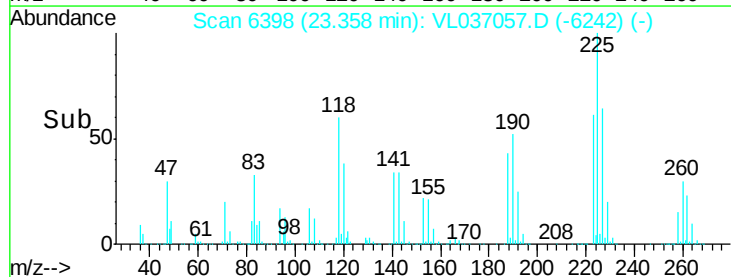
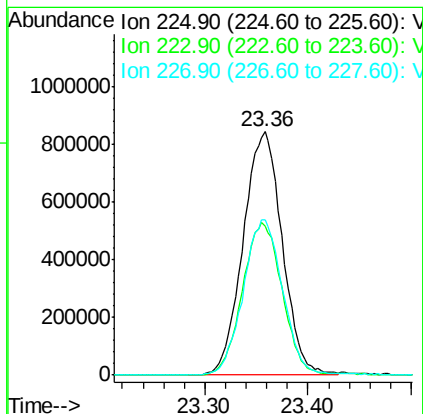
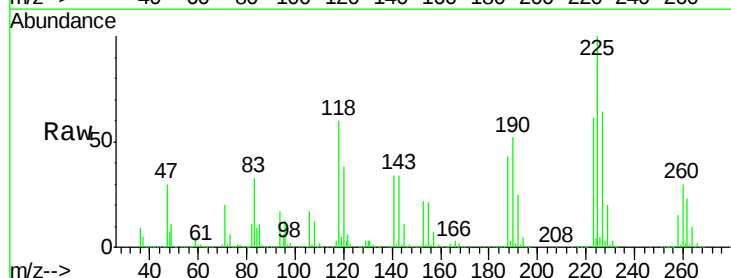
RT: 23.36 min Scan# 6398

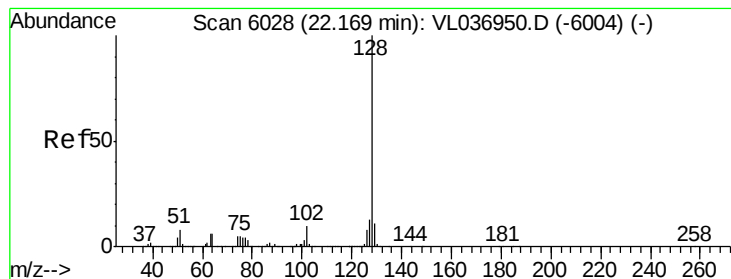
Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Tgt Ion:	225	Resp:	2222604
Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.9	77.9
227	64.9	51.8	77.6





#79

Naphthalene

Concen: 12.964 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

Tgt Ion:128 Resp: 4452895

Ion Ratio Lower Upper

128 100

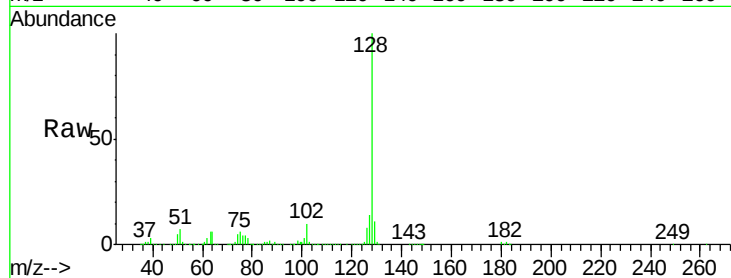
127 13.8 10.4 15.6

129 11.3 9.0 13.6

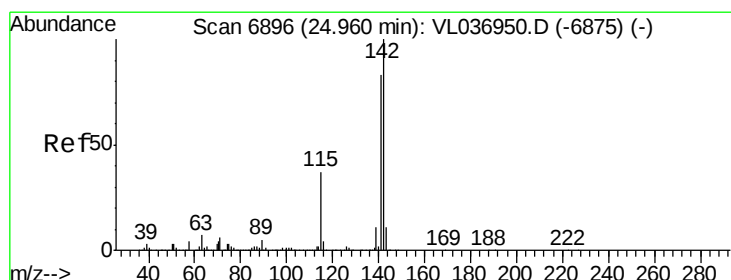
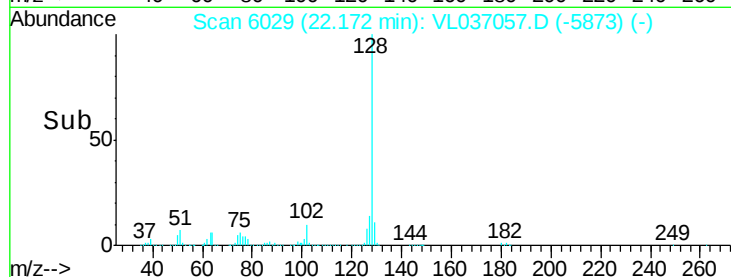
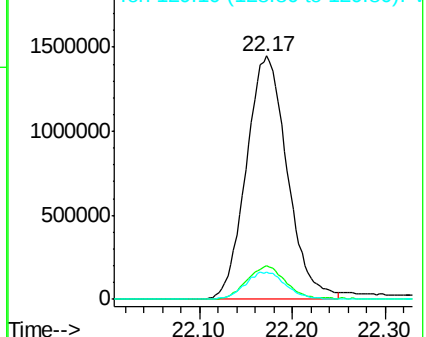
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 16.884 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

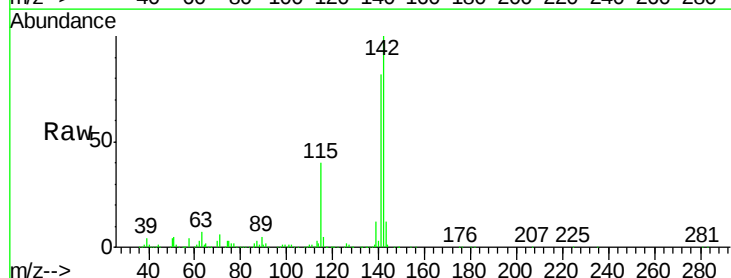
Tgt Ion:142 Resp: 1261027

Ion Ratio Lower Upper

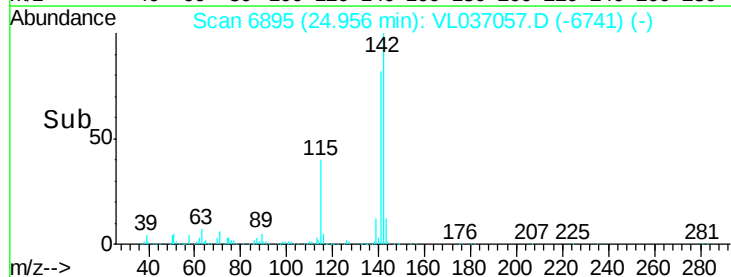
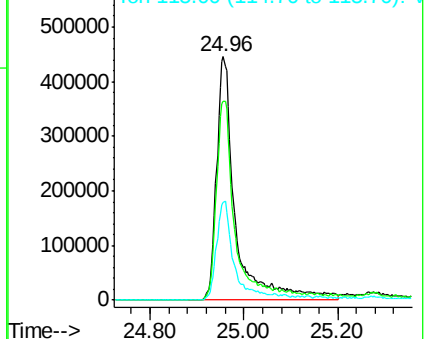
142 100

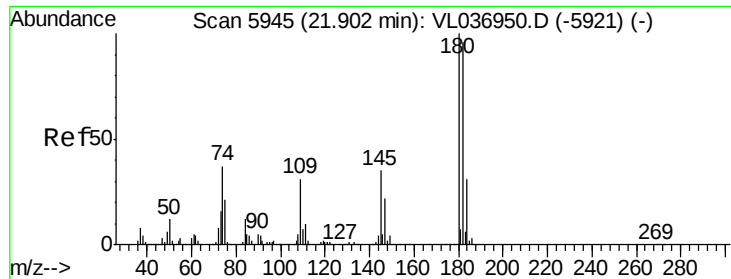
141 83.9 69.3 103.9

115 38.5 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: 12.147 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tgt Ion:180 Resp: 2543460
 Ion Ratio Lower Upper
 180 100
 182 97.8 81.7 122.5
 184 30.6 24.9 37.3

Manual Integrations
 APPROVED

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 5/27/2021 10:31:27 AM

