

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037062.D
 Acq On : 25 May 2021 15:54
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:36 AM

Quant Time: May 26 01:38:33 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	1395771	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4184448	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4103985m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3088598	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	2292723	9.683	ppbv	99
3) Chlorodifluoromethane	2.97	51	2506728	9.803	ppbv	96
4) Chloromethane	3.12	50	831554	9.557	ppbv	99
5) Vinyl Chloride	3.24	62	903586	9.500	ppbv	99
6) Bromomethane	3.46	94	504175	10.060	ppbv	98
7) Chloroethane	3.54	64	307915	9.970	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2280858	10.259	ppbv	98
9) Propene	2.99	41	805679	8.799	ppbv	100
10) Heptane	8.10	43	2030734	8.899	ppbv	100
11) Trichlorofluoromethane	3.93	101	2251015	10.271	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1582822	10.139	ppbv	99
13) Ethanol	3.60	45	105129m	8.605	ppbv	
14) Bromoethene	3.72	108	672873	9.785	ppbv	98
15) Acetone	3.83	43	1119856	7.833	ppbv	97
16) 1,3-Butadiene	3.31	39	876997	9.874	ppbv	97
17) tert-Butyl alcohol	4.27	59	1318859	10.071	ppbv	98
18) 1,1-Dichloroethene	4.27	96	721628	9.996	ppbv	97
19) Isopropyl Alcohol	3.95	45	793832	10.330	ppbv #	33
20) Methylene Chloride	4.33	84	597316	7.794	ppbv	99
21) Allyl Chloride	4.39	41	1039252	9.636	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	720916	10.420	ppbv	99
23) Vinyl Acetate	5.06	43	1651840	7.279	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	1432401	8.770	ppbv	98
25) Ethyl Acetate	5.66	43	3180383	9.258	ppbv	100
26) Hexane	5.67	57	1528169	8.708	ppbv	97
27) Carbon Disulfide	4.53	76	1688697	9.547	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1515786	7.205	ppbv	100
29) Chloroform	5.74	83	2528568	10.198	ppbv	100
30) Cyclohexane	7.11	84	1388970	9.313	ppbv	96
31) cis-1,2-Dichloroethene	5.53	61	1546993	9.832	ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	2630618	9.881	ppbv	99
34) 2-Butanone	5.23	43	1457093	9.563	ppbv	99
35) Carbon Tetrachloride	7.00	117	2836728	10.203	ppbv	99
36) Benzene	6.87	78	3253317	9.026	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1930015	10.801	ppbv	99
38) Trichloroethene	7.82	130	1450807	9.409	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1241641	8.943	ppbv	97
40) 1,4-Dioxane	7.82	88	351021	10.707	ppbv #	100
41) Tetrahydrofuran	6.03	42	751183	8.656	ppbv	99
42) Bromodichloromethane	7.77	83	2730602	10.101	ppbv	99
43) Methyl Methacrylate	8.00	69	1190297	9.582	ppbv	99

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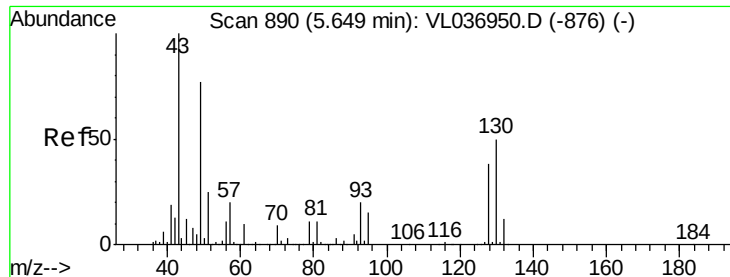
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5265590	8.515	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1098653	11.576	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1438296	11.267	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1398695	9.625	ppbv	97
48) Dibromochloromethane	10.29	129	2549008	10.833	ppbv	100
49) Bromoform	13.03	173	2111100	10.864	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2294760	9.127	ppbv	98
51) 2-Hexanone	10.12	43	1198010	9.013	ppbv #	94
52) Tetrachloroethene	11.21	164	1360881	9.495	ppbv	96
53) Toluene	9.79	91	3940204	9.187	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2115942	10.242	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1715351	9.934	ppbv #	56
57) Chlorobenzene	12.13	112	3035321	9.539	ppbv	99
58) Ethyl Benzene	12.70	91	5268324	9.095	ppbv	98
59) m/p-Xylene	12.98	91	8916995m	18.624	ppbv	
60) o-Xylene	13.68	91	4243793	9.294	ppbv	99
61) Styrene	13.52	104	2516974	9.784	ppbv	99
62) Isopropylbenzene	14.65	105	5957160	9.077	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2868965	8.412	ppbv	99
64) n-propylbenzene	15.55	120	1590590	9.394	ppbv	98
65) tert-Butylbenzene	16.73	119	5397440	9.114	ppbv	99
66) Benzyl Chloride	16.97	91	217868	6.631	ppbv	96
67) sec-Butylbenzene	17.28	105	7174642	8.881	ppbv	99
69) p-Isopropyltoluene	17.64	119	6236154	8.978	ppbv	99
70) n-Butylbenzene	18.54	91	5879486	8.911	ppbv	99
71) 2-Chlorotoluene	15.44	91	4367983	9.215	ppbv	98
72) 4-Ethyltoluene	15.83	105	5214022	9.620	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4691044	9.217	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	4880963	9.275	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	3021901	9.404	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2951099	9.083	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2902349	9.014	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1864086	7.200	ppbv	100
79) Naphthalene	22.18	128	3673162	8.896	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	1155360	12.868	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	2140951	8.506	ppbv	96

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 49 Resp: 1395771

Ion Ratio Lower Upper

49 100

128 58.7 26.9 80.7

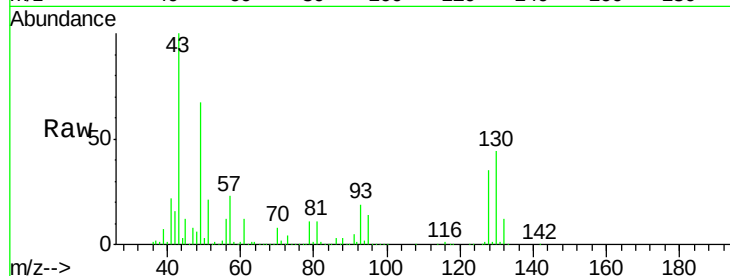
130 72.8 33.8 101.4

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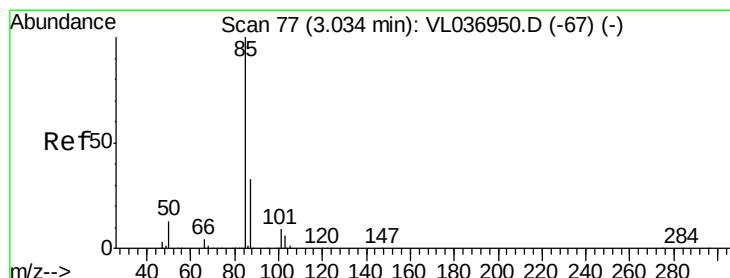
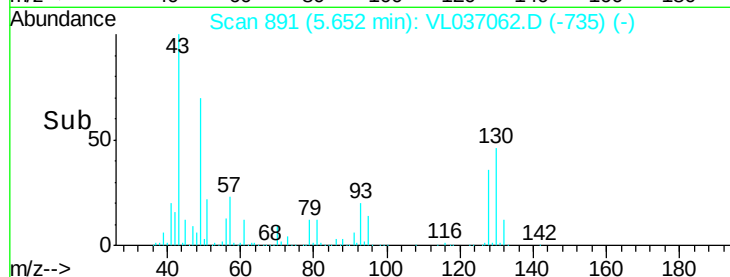
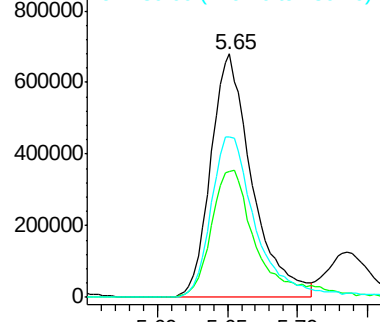
5/27/2021 10:31:36 AM



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: 9.683 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL037062.D

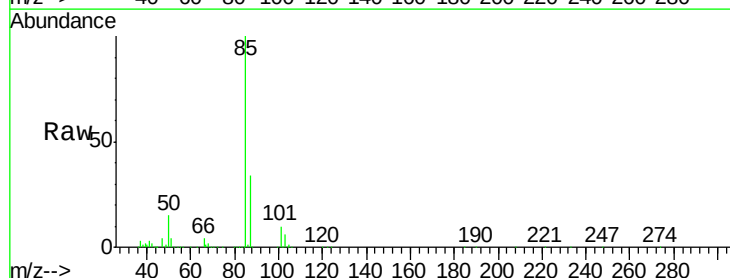
Acq: 25 May 2021 15:54

Tgt Ion: 85 Resp: 2292723

Ion Ratio Lower Upper

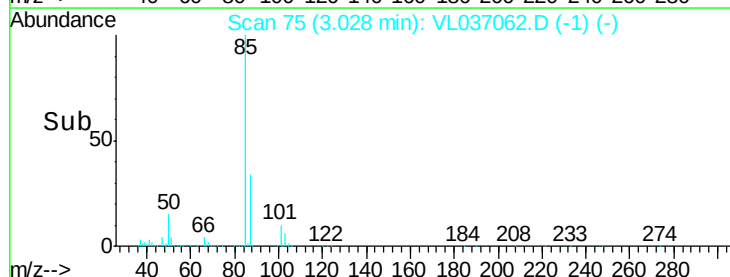
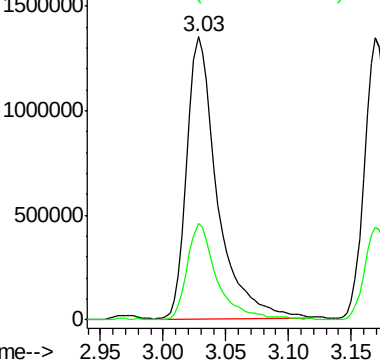
85 100

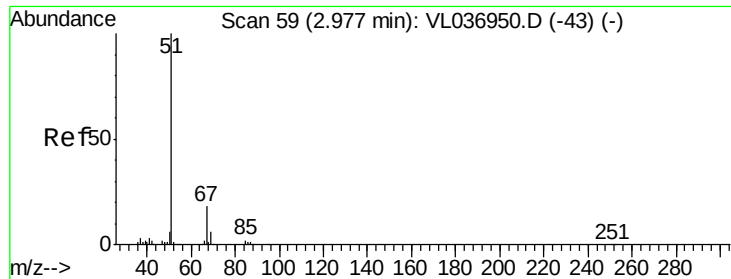
87 33.9 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.803 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 2506728

Ion Ratio Lower Upper

51 100

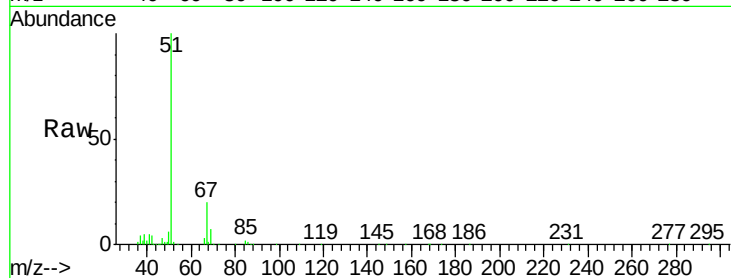
67 19.9 14.6 21.8

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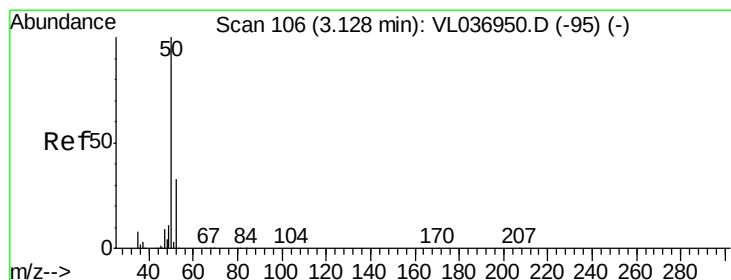
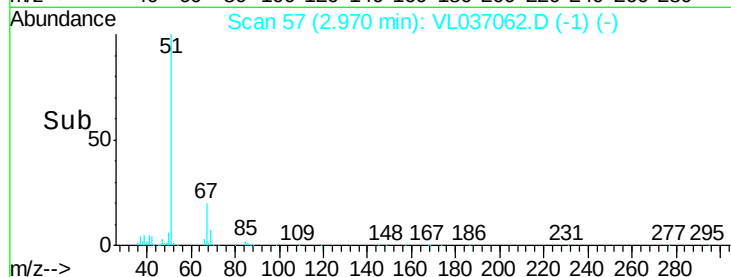
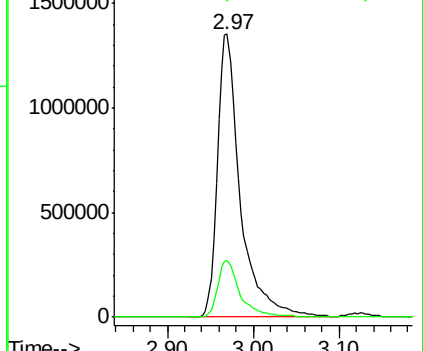
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.557 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037062.D

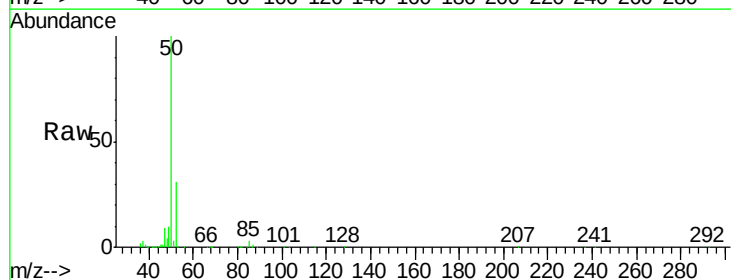
Acq: 25 May 2021 15:54

Tgt Ion: 50 Resp: 831554

Ion Ratio Lower Upper

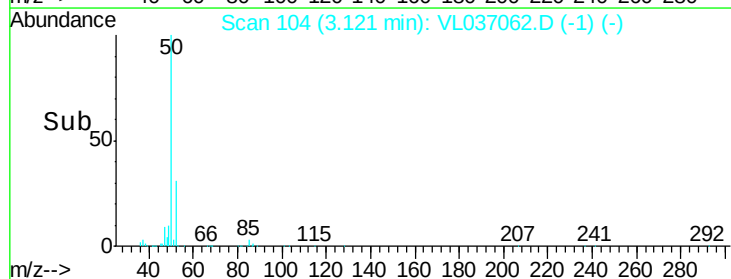
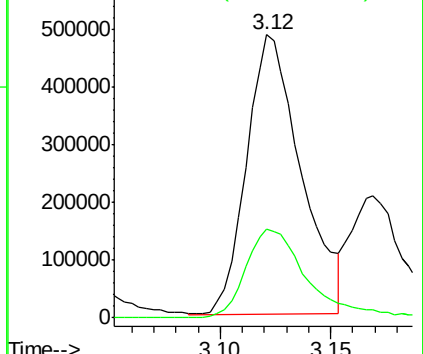
50 100

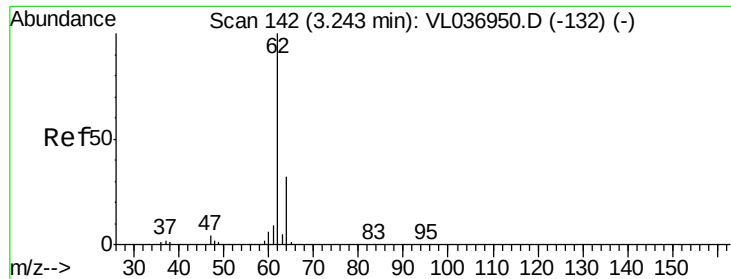
52 31.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.500 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 903586

Ion Ratio Lower Upper

62 100

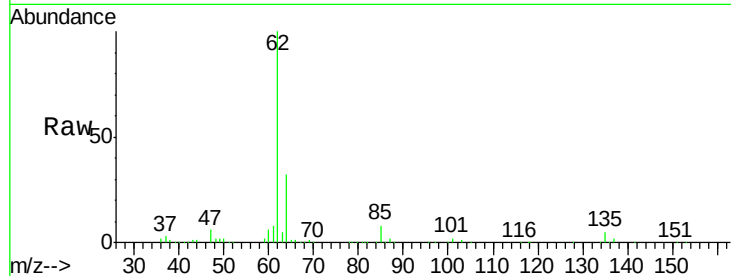
64 31.7 25.9 38.9

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

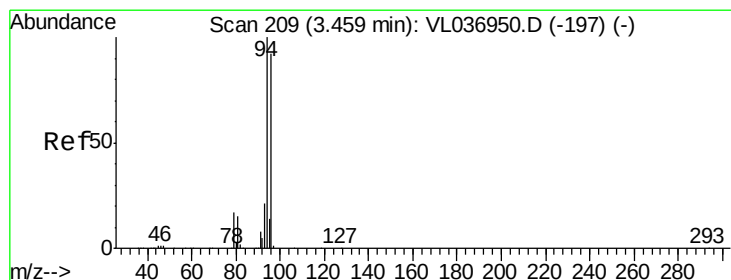
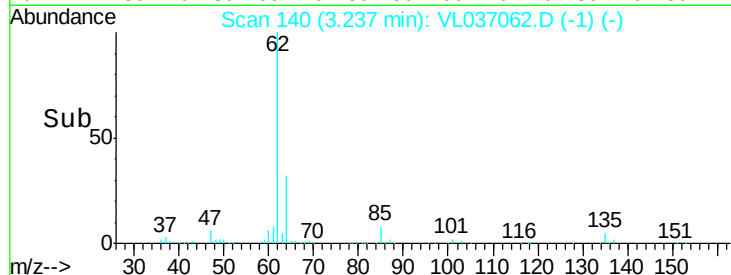
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.060 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037062.D

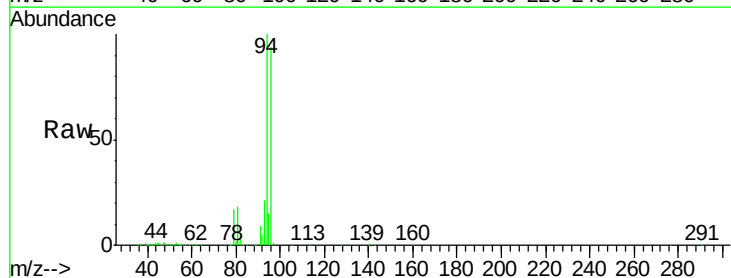
Acq: 25 May 2021 15:54

Tgt Ion: 94 Resp: 504175

Ion Ratio Lower Upper

94 100

96 94.0 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

300000

250000

200000

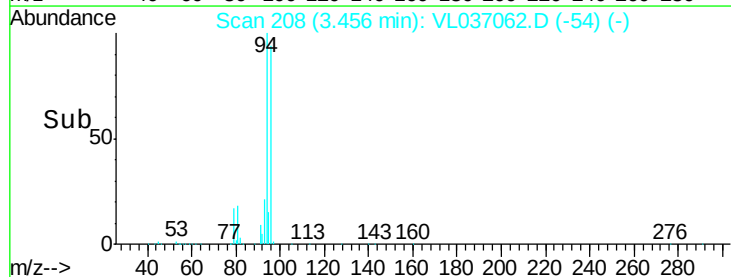
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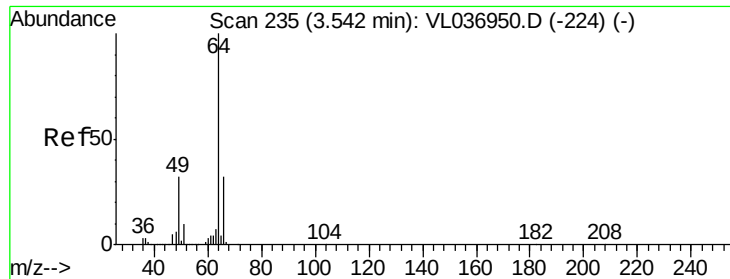
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50000

0

Time-->





#7

Chloroethane

Concen: 9.970 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 307915

Ion Ratio Lower Upper

64 100

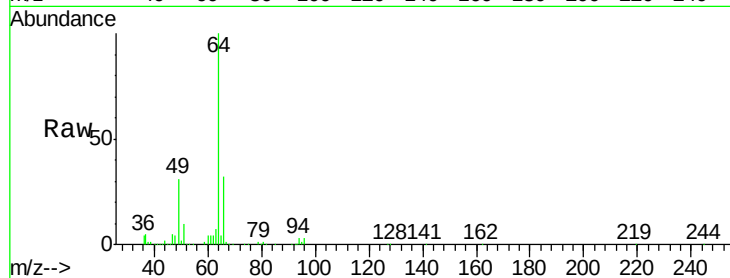
66 32.3 25.4 38.2

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

3.54

200000

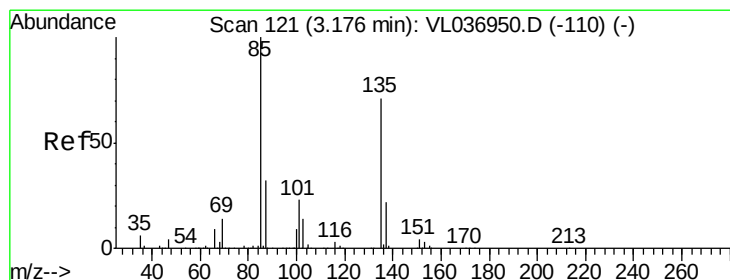
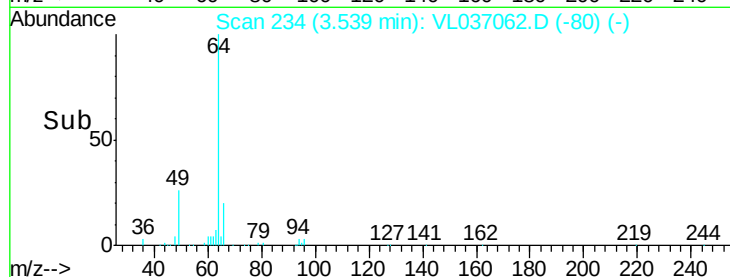
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.259 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037062.D

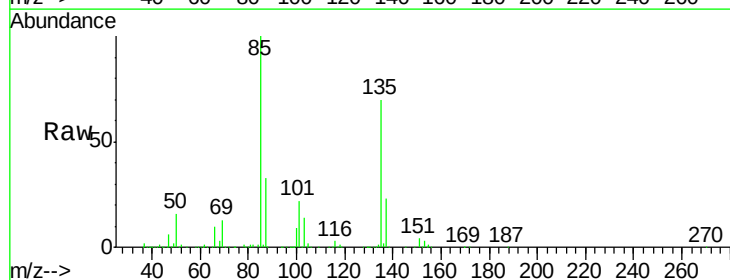
Acq: 25 May 2021 15:54

Tgt Ion: 85 Resp: 2280858

Ion Ratio Lower Upper

85 100

135 73.7 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

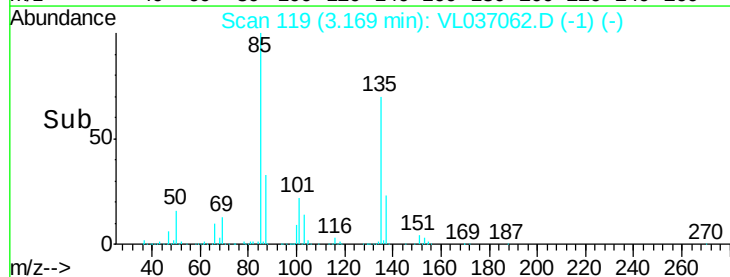
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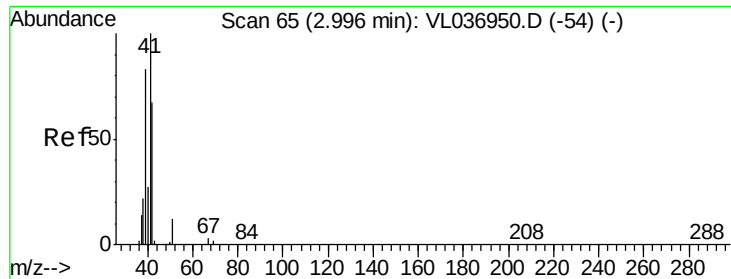
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Time-->





#9

Propene

Concen: 8.799 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

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ClientSampleId :

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Tgt Ion: 41 Resp: 805679

Ion Ratio Lower Upper

41 100

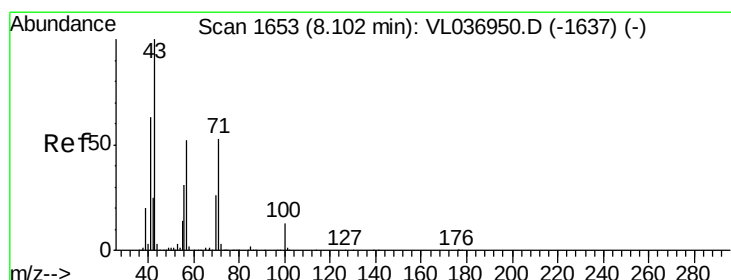
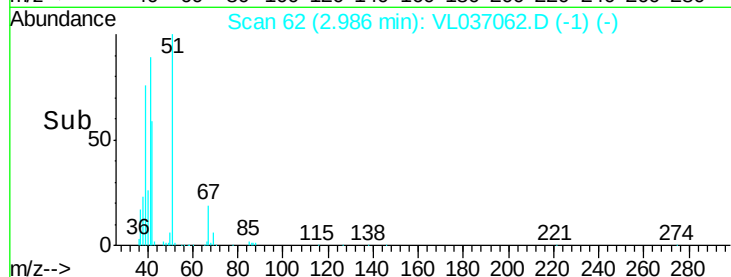
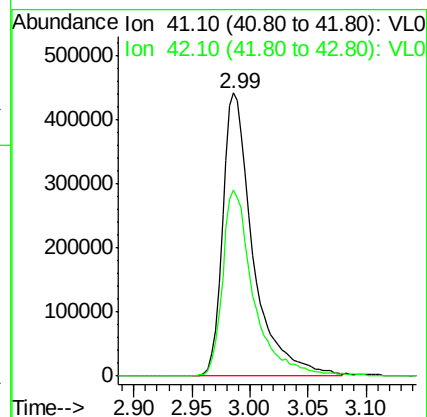
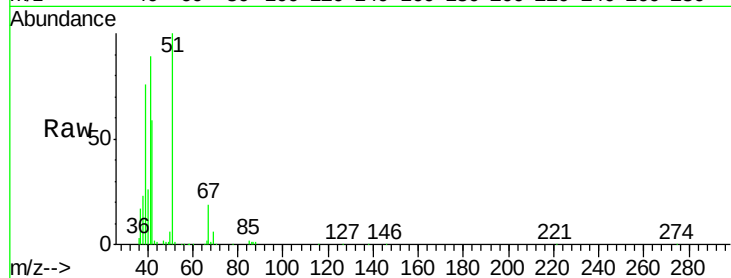
42 67.6 53.9 80.9

Manual Integrations

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#10

Heptane

Concen: 8.899 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037062.D

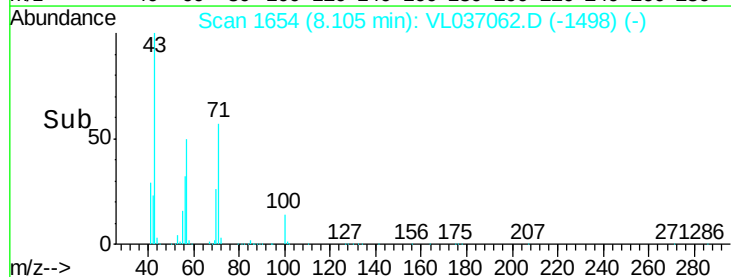
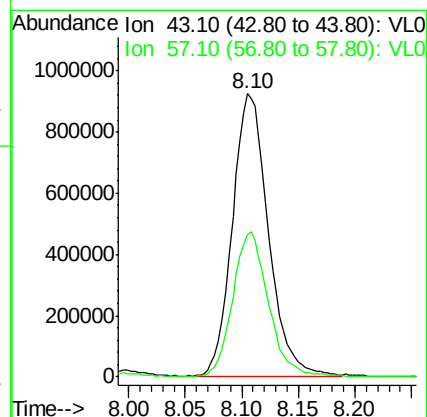
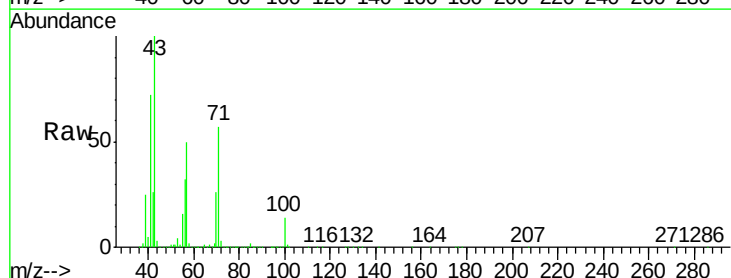
Acq: 25 May 2021 15:54

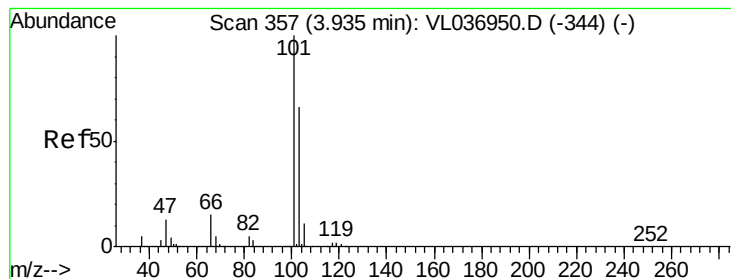
Tgt Ion: 43 Resp: 2030734

Ion Ratio Lower Upper

43 100

57 51.4 41.0 61.6





#11

Trichlorofluoromethane

Concen: 10.271 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:101 Resp: 2251015

Ion Ratio Lower Upper

101 100

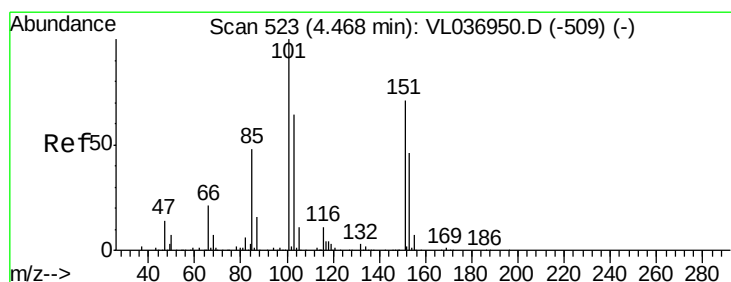
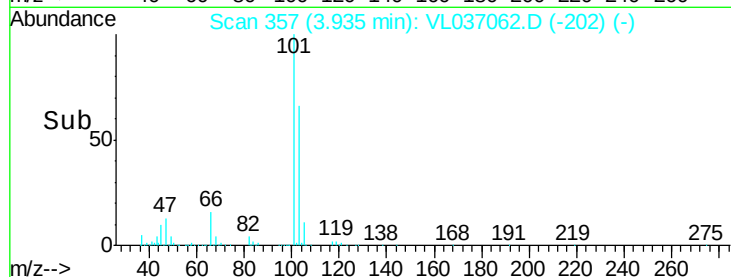
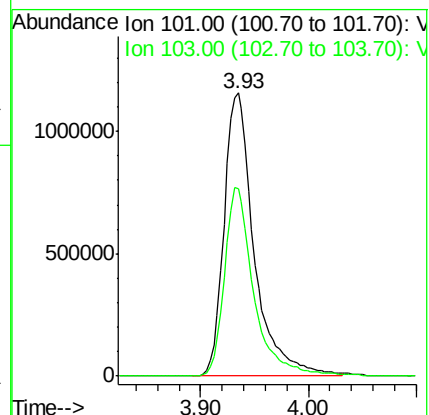
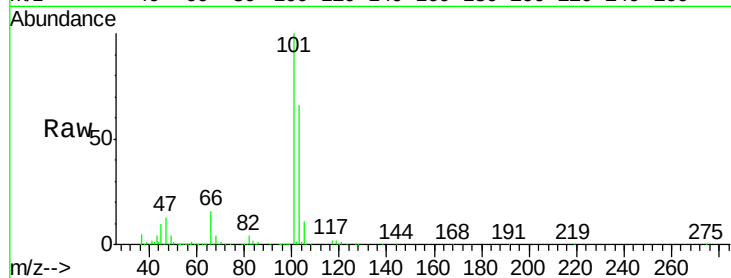
103 66.0 52.6 79.0

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.139 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL037062.D

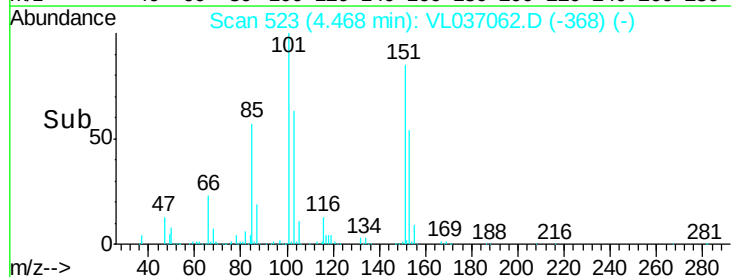
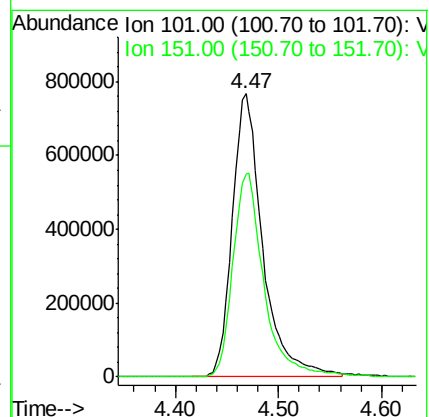
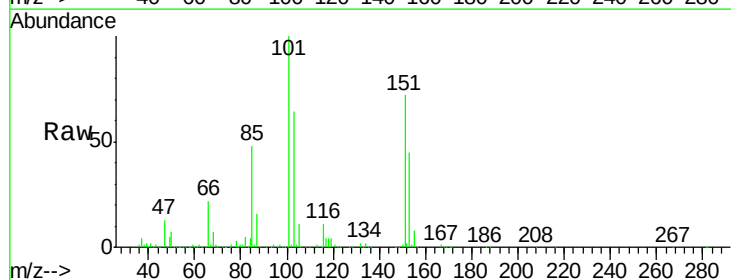
Acq: 25 May 2021 15:54

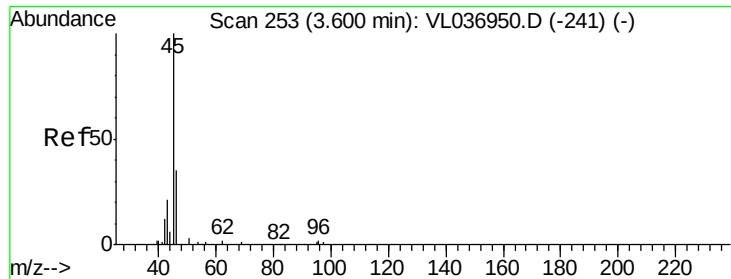
Tgt Ion:101 Resp: 1582822

Ion Ratio Lower Upper

101 100

151 73.3 57.7 86.5





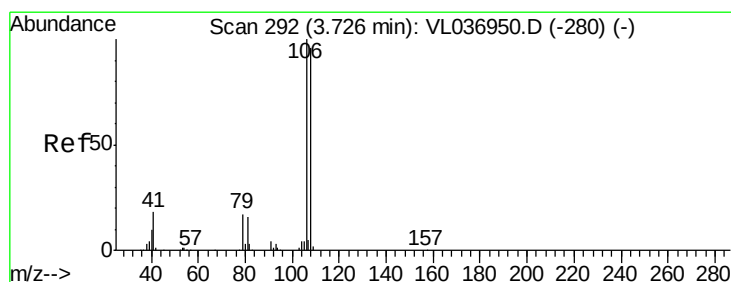
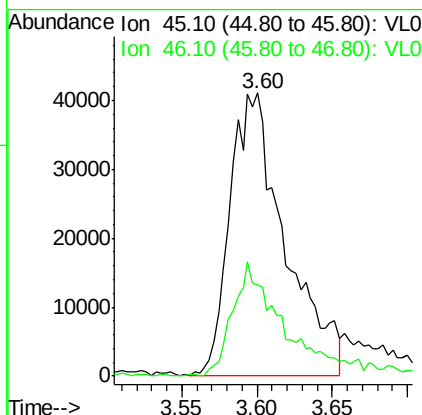
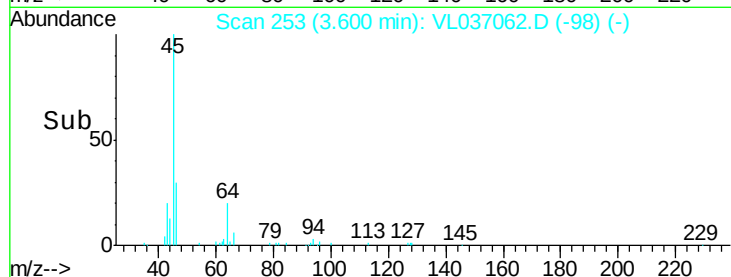
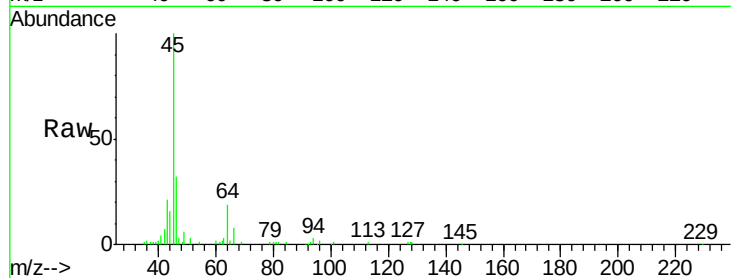
#13
Ethanol
Concen: 8.605 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 105129
Ion Ratio Lower Upper
45 100
46 37.9 16.3 65.3

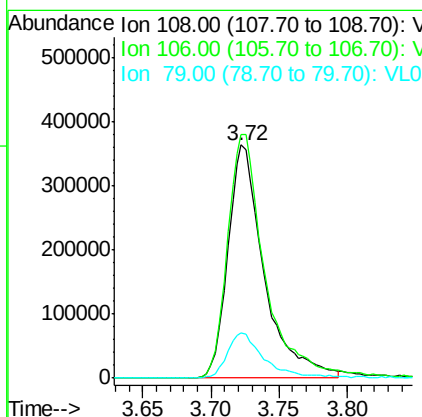
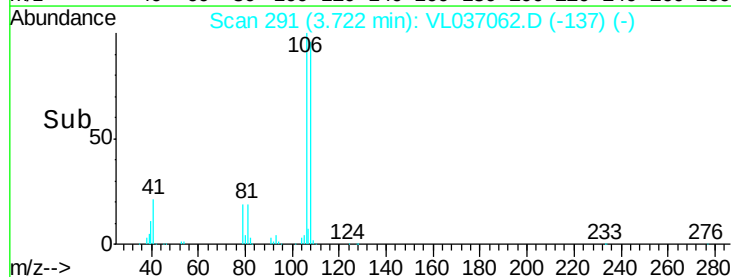
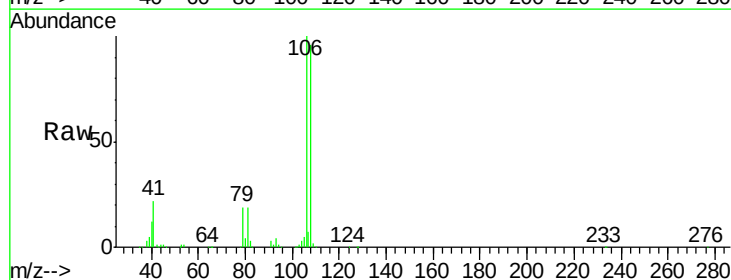
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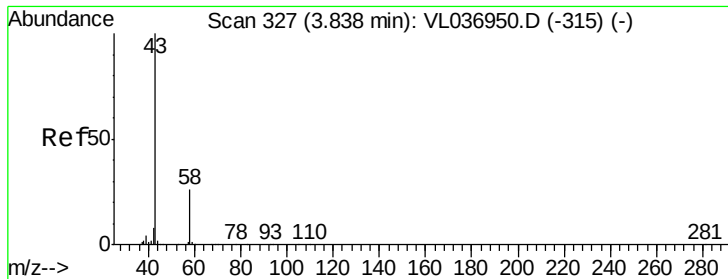
MMDadoda
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#14
Bromoethene
Concen: 9.785 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 108 Resp: 672873
Ion Ratio Lower Upper
108 100
106 109.5 86.5 129.7
79 20.6 15.0 22.4





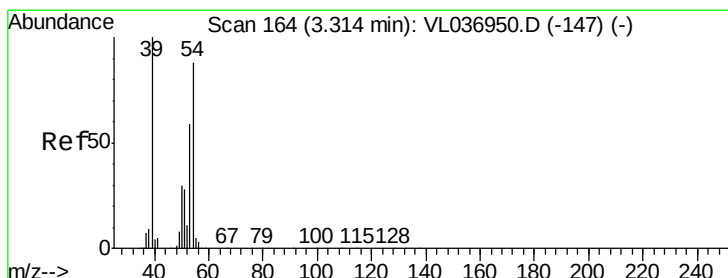
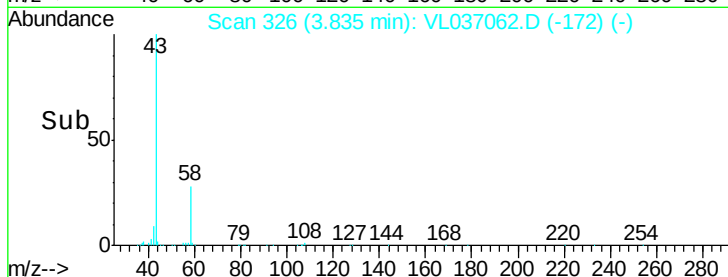
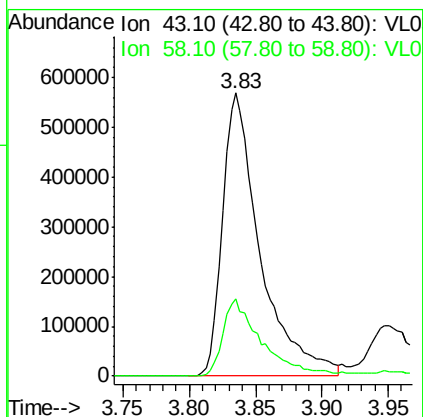
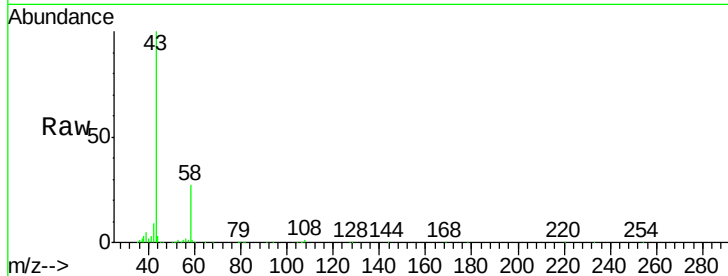
#15
Acetone
Concen: 7.833 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1119856
Ion Ratio Lower Upper
43 100
58 28.6 24.0 36.0

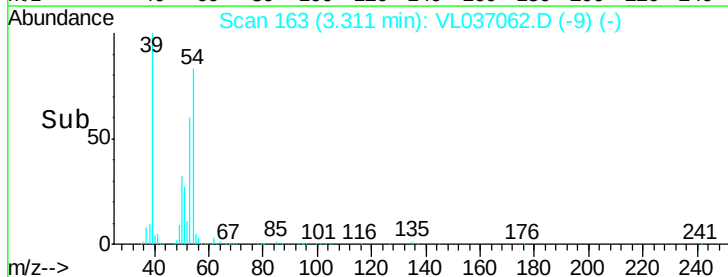
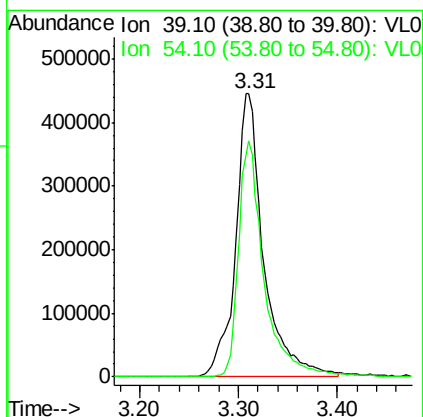
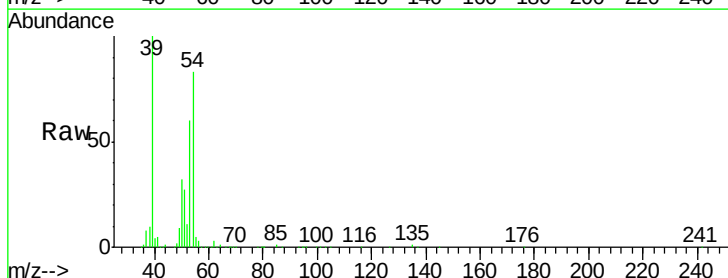
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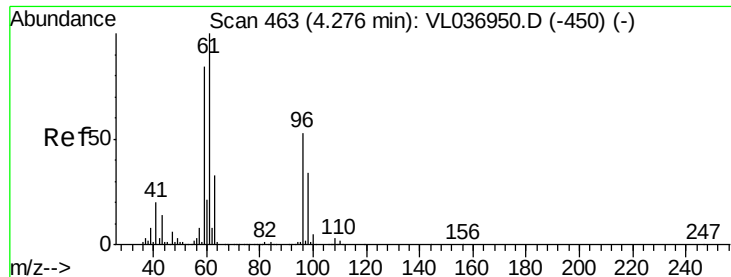
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#16
1,3-Butadiene
Concen: 9.874 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 39 Resp: 876997
Ion Ratio Lower Upper
39 100
54 76.1 63.2 94.8





#17

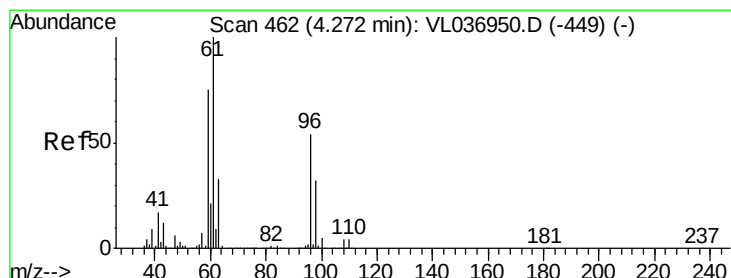
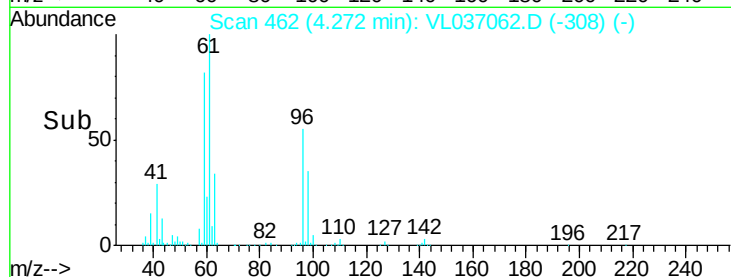
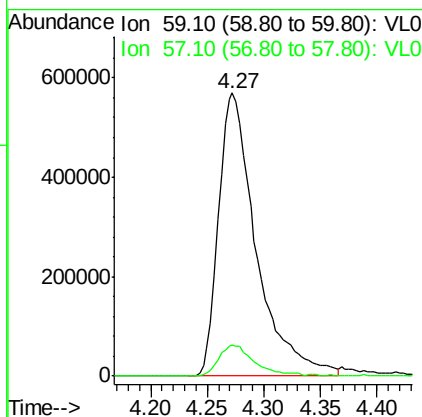
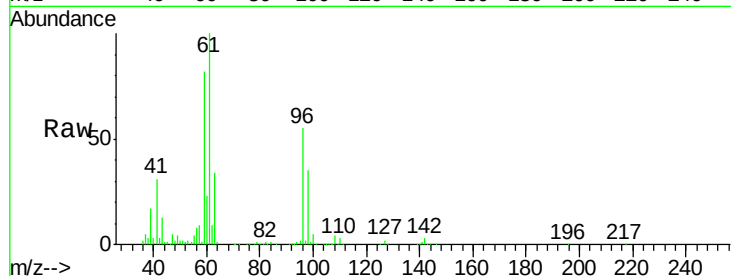
tert-Butyl alcohol
Concen: 10.071 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 1318859
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

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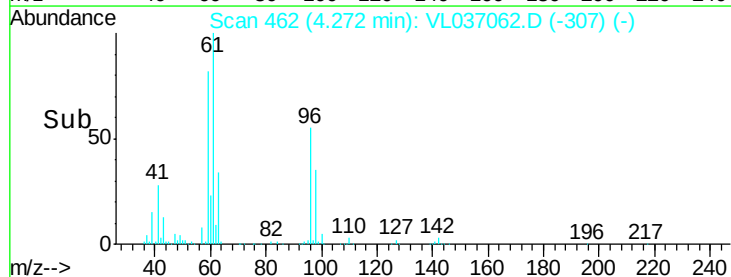
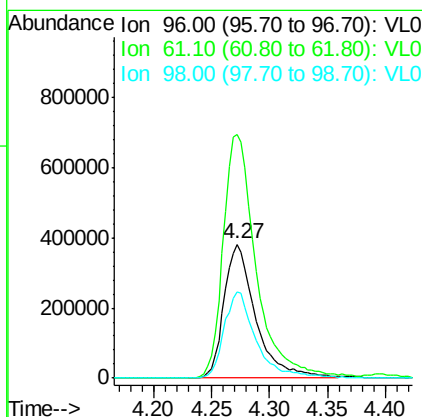
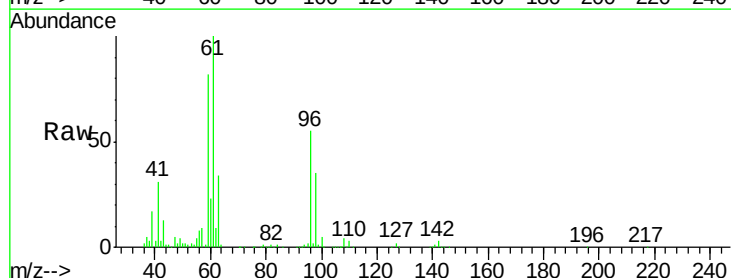
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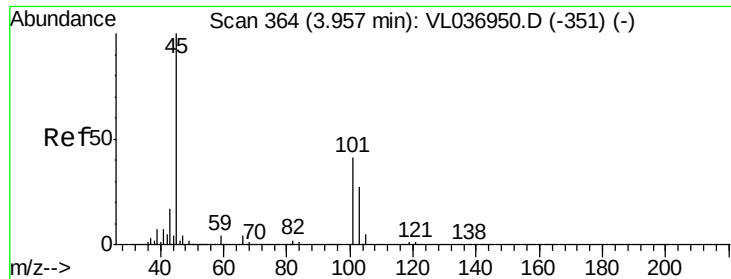


#18

1,1-Dichloroethene
Concen: 9.996 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 96 Resp: 721628
Ion Ratio Lower Upper
96 100
61 181.6 148.2 222.4
98 64.0 47.8 71.6





#19

Isopropyl Alcohol

Concen: 10.330 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 793832

Ion Ratio Lower Upper

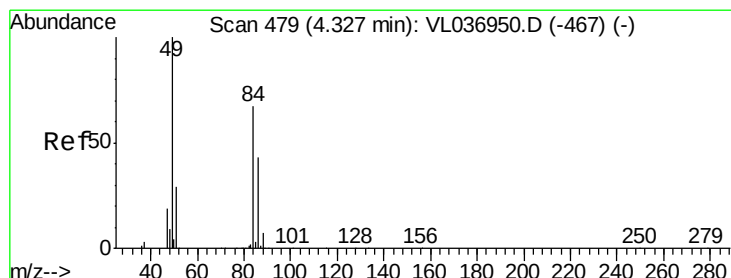
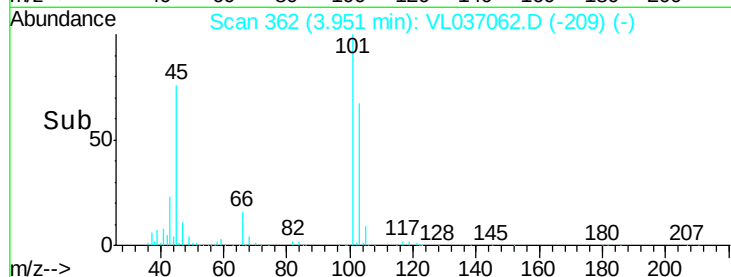
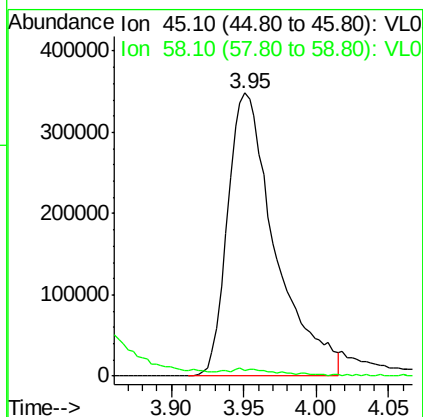
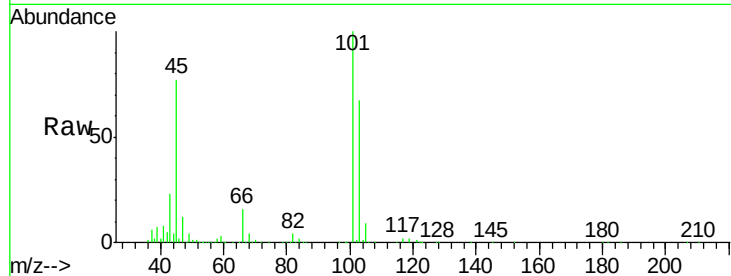
45 100

58 2.0 37.2 55.8#

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#20

Methylene Chloride

Concen: 7.794 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Tgt Ion: 84 Resp: 597316

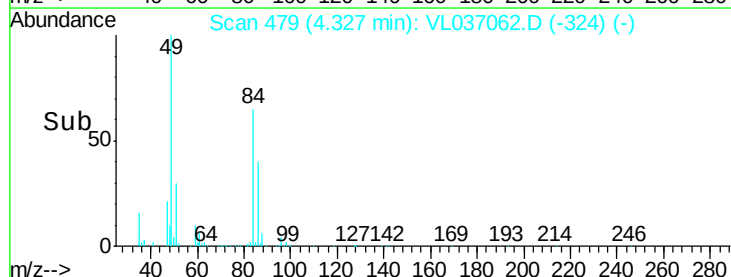
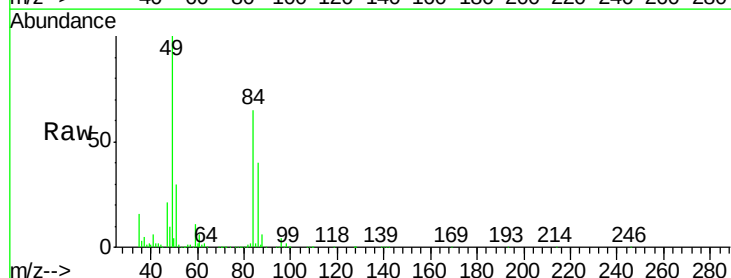
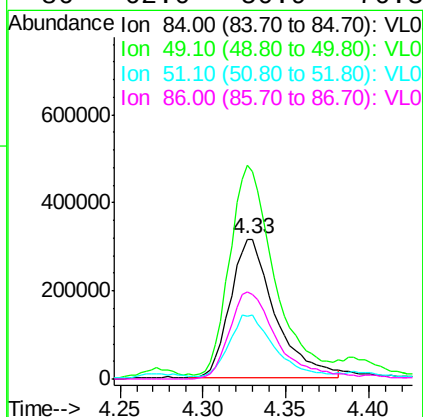
Ion Ratio Lower Upper

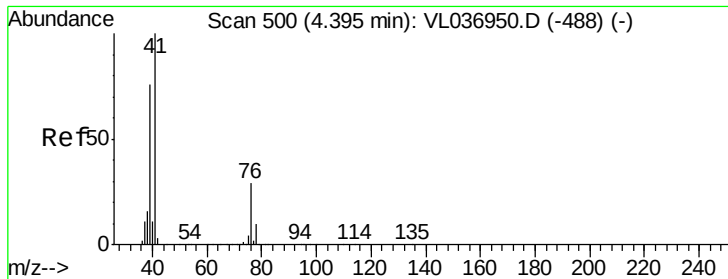
84 100

49 150.5 119.8 179.6

51 43.3 35.1 52.7

86 62.0 50.9 76.3





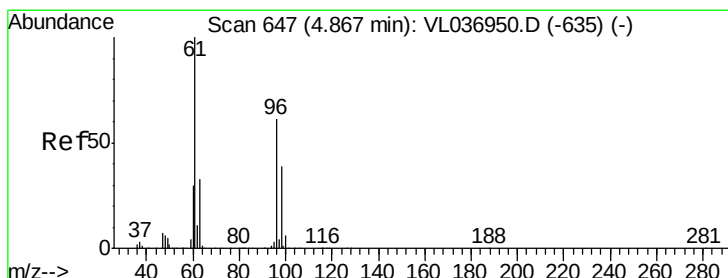
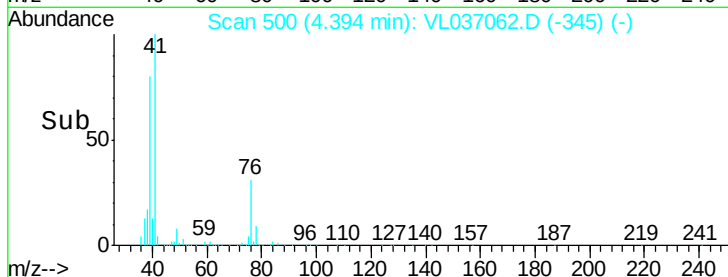
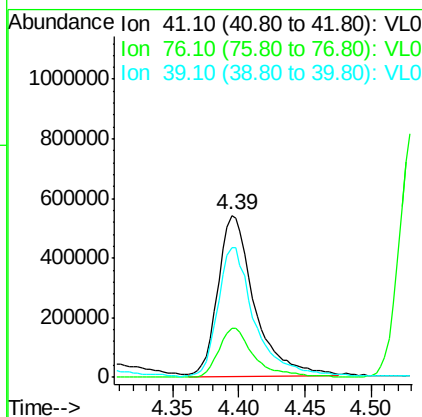
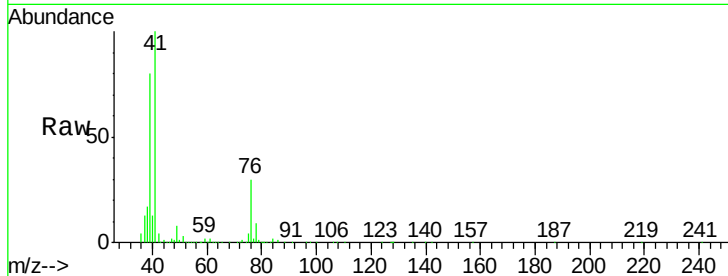
#21
 Allyl Chloride
 Concen: 9.636 ppbv
 RT: 4.39 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 1039252
 Ion Ratio Lower Upper
 41 100
 76 30.2 24.9 37.3
 39 80.2 63.7 95.5

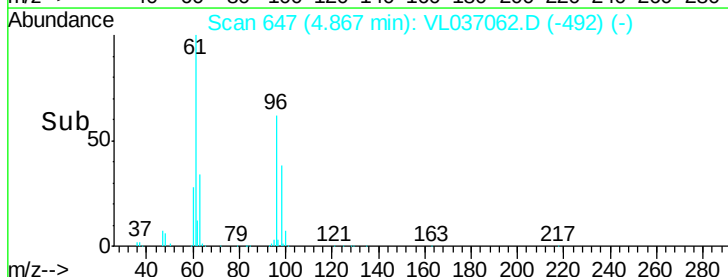
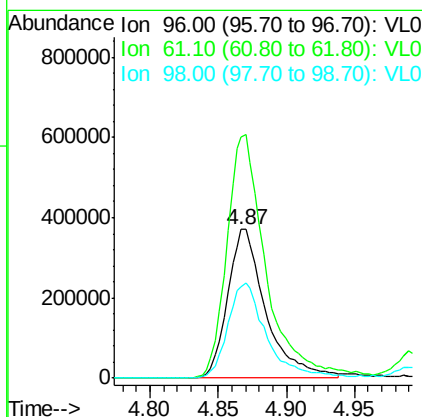
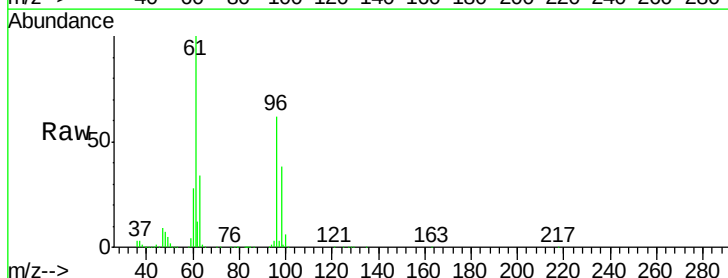
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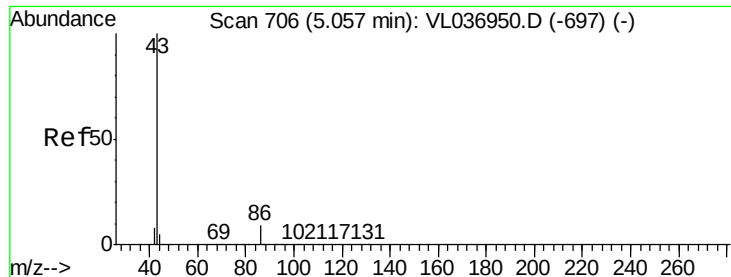
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#22
 trans-1,2-Dichloroethene
 Concen: 10.420 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 96 Resp: 720916
 Ion Ratio Lower Upper
 96 100
 61 162.3 130.6 196.0
 98 61.2 50.8 76.2





#23

Vinyl Acetate

Concen: 7.279 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1651840

Ion Ratio Lower Upper

43 100

86 6.2 5.8 8.8

42 10.5 7.4 11.2

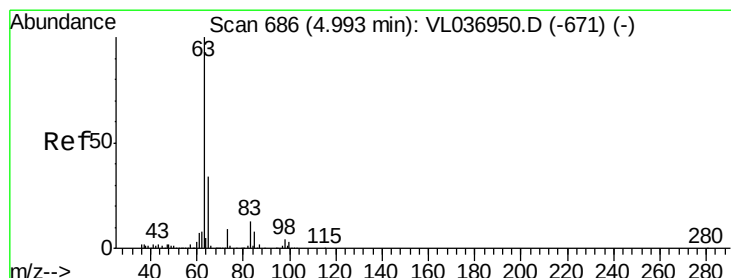
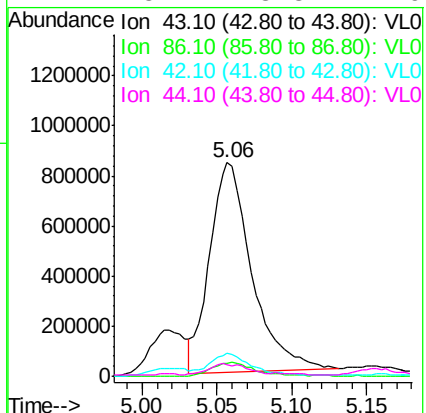
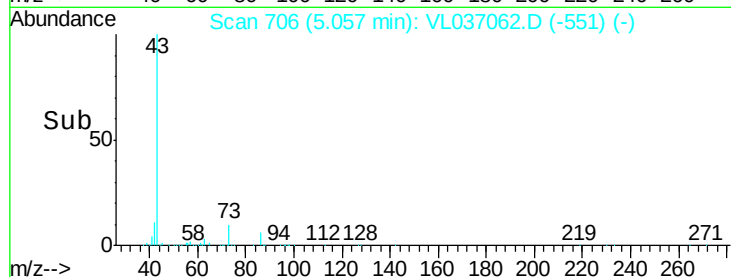
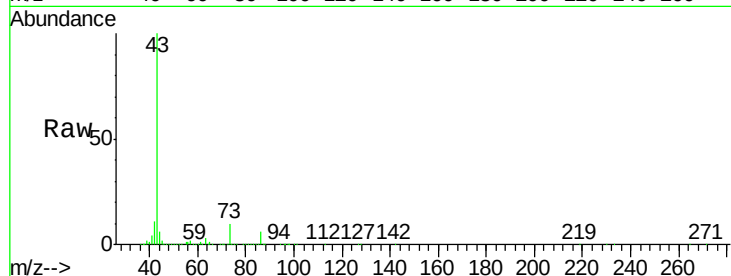
44 5.2 3.3 4.9#

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#24

1,1-Dichloroethane

Concen: 8.770 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

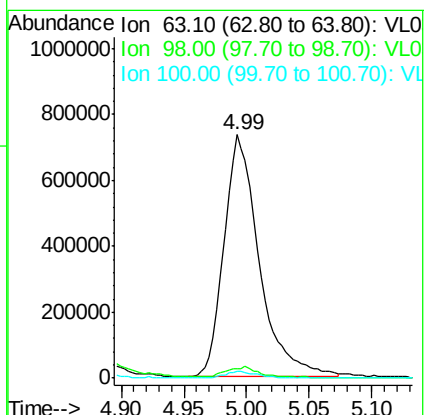
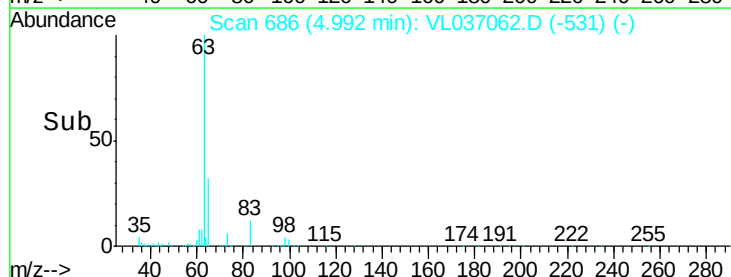
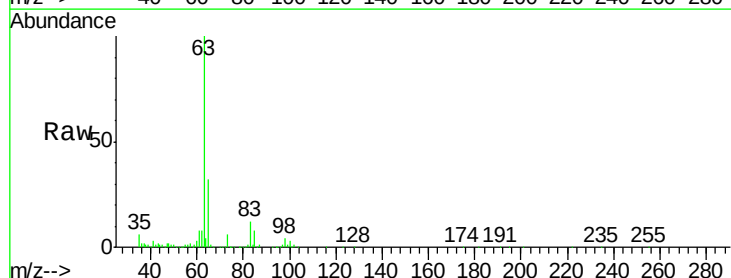
Tgt Ion: 63 Resp: 1432401

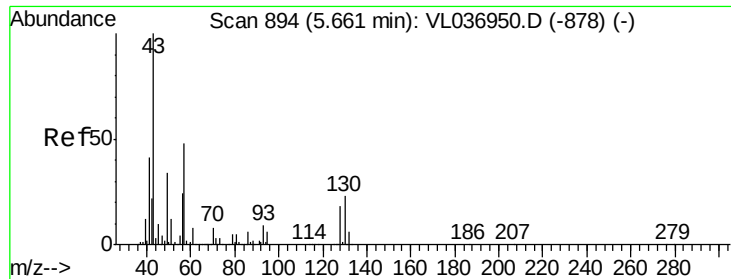
Ion Ratio Lower Upper

63 100

98 3.5 2.3 6.9

100 2.6 1.4 4.0





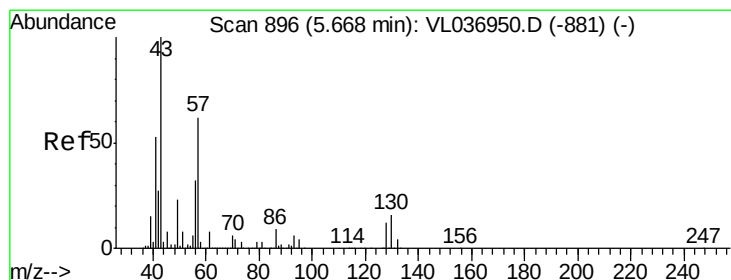
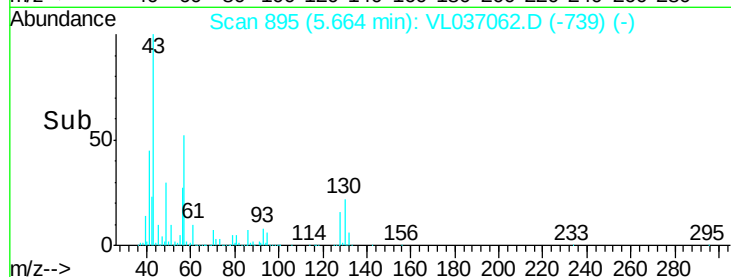
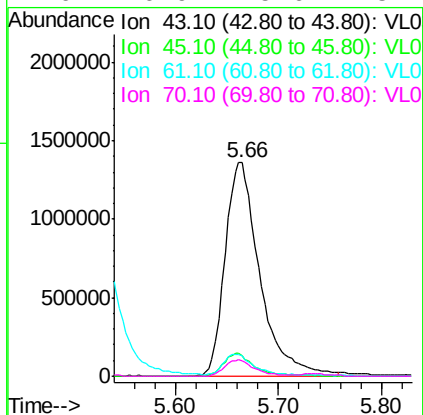
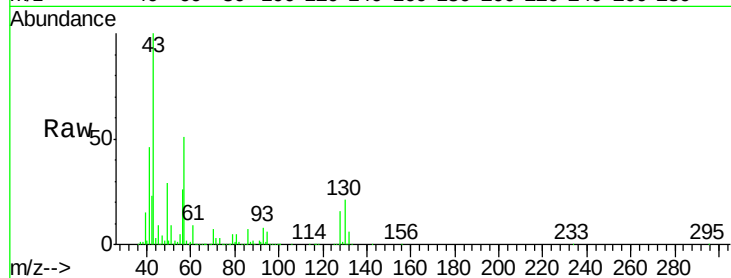
#25
Ethyl Acetate
Concen: 9.258 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.8	7.8	11.8
70	6.9	5.6	8.4

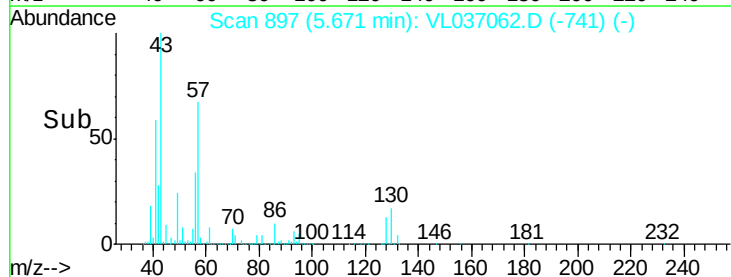
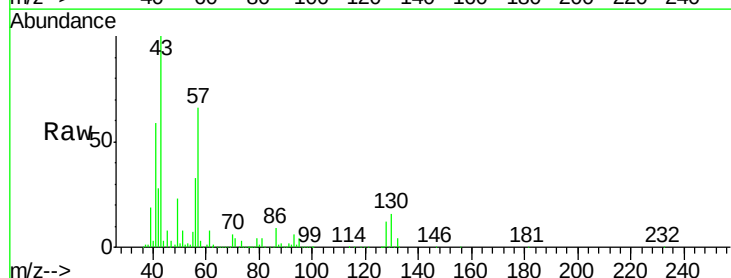
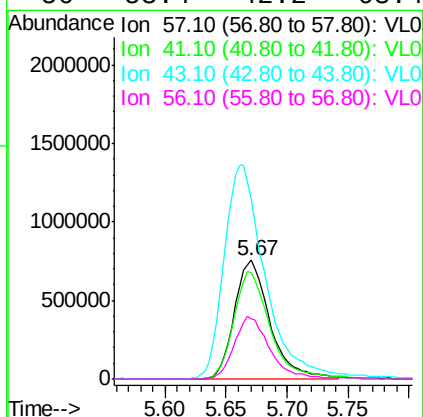
Manual Integrations
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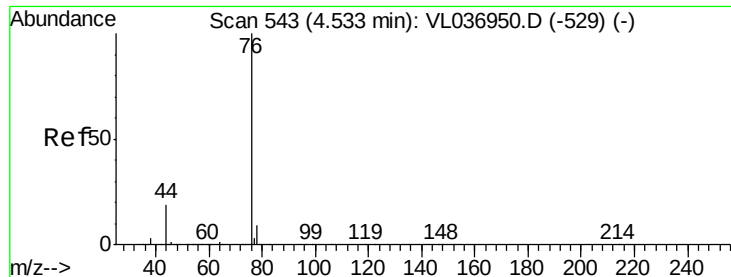
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#26
Hexane
Concen: 8.708 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	93.6	70.5	105.7
43	211.6	165.8	248.8
56	53.4	42.2	63.4





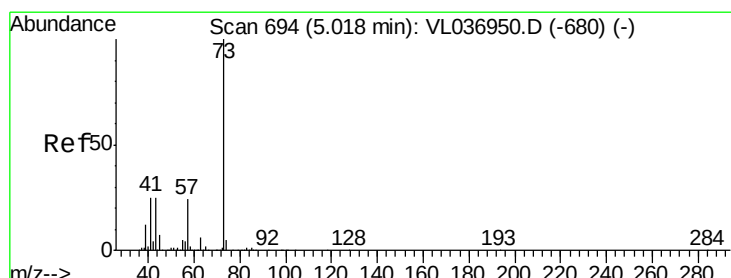
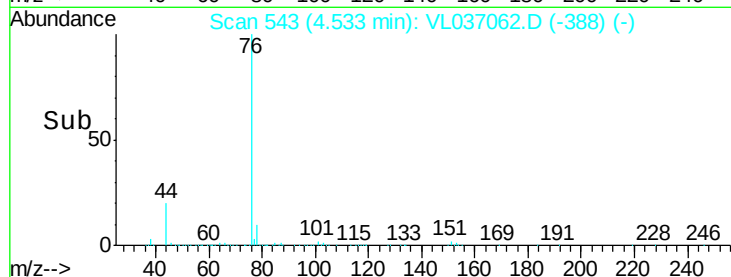
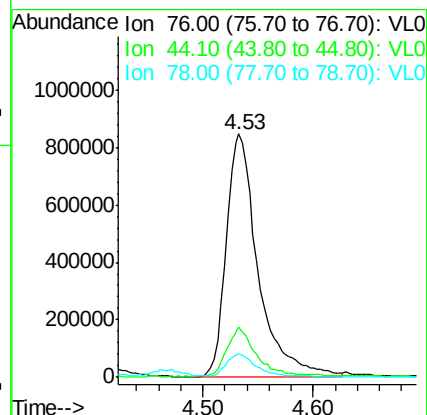
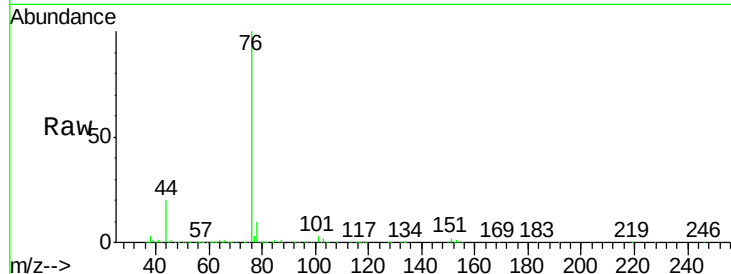
#27
Carbon Disulfide
Concen: 9.547 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1688697
Ion Ratio Lower Upper
76 100
44 19.3 15.5 23.3
78 9.9 7.8 11.6

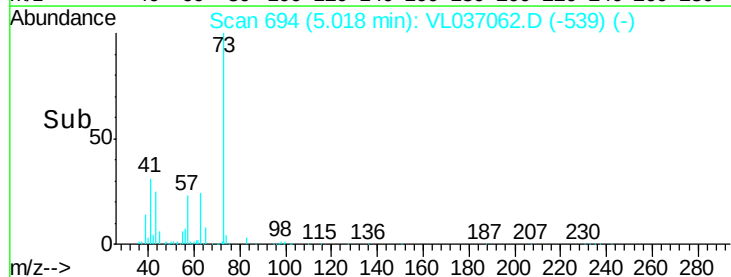
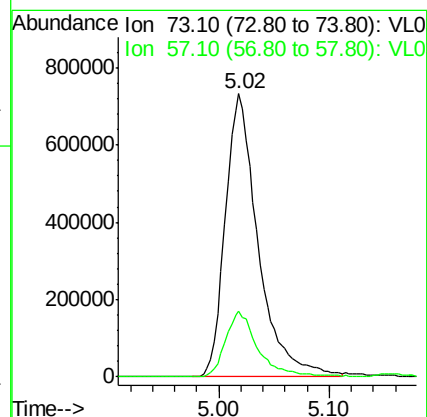
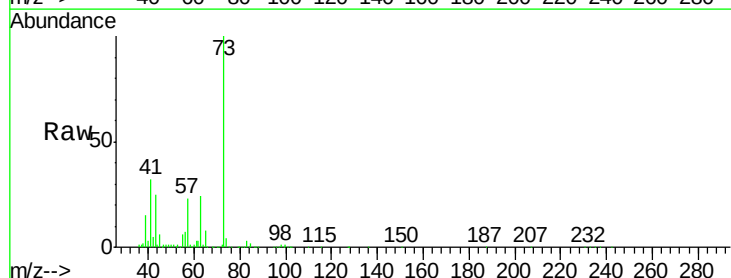
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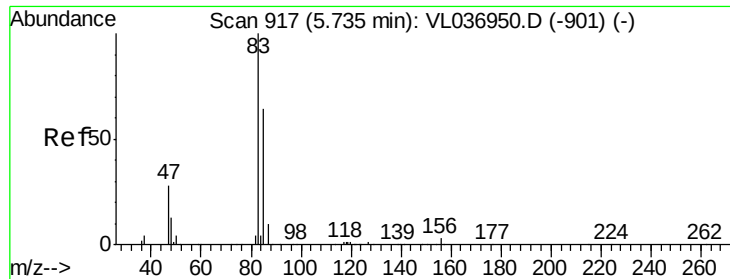
MMDadoda
5/27/2021 10:31:36 AM



#28
Methyl tert-Butyl Ether
Concen: 7.205 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 73 Resp: 1515786
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5





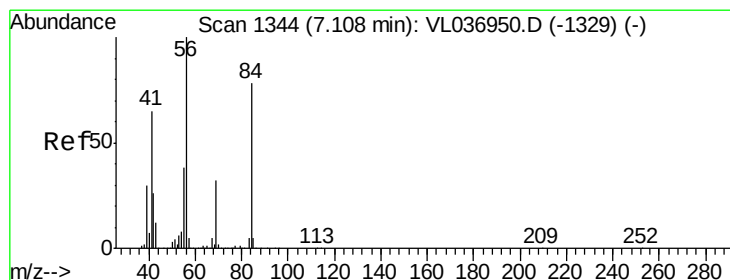
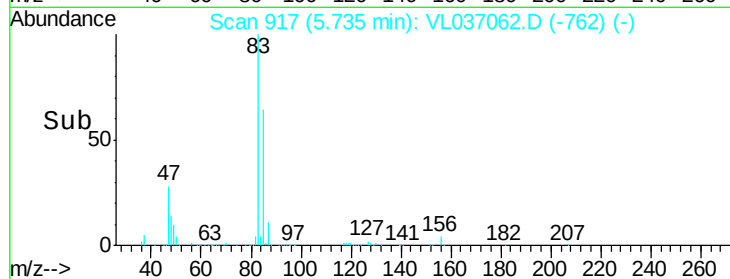
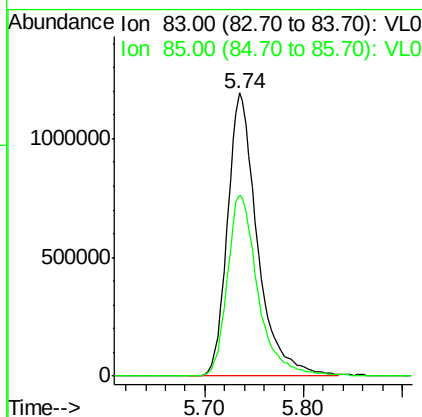
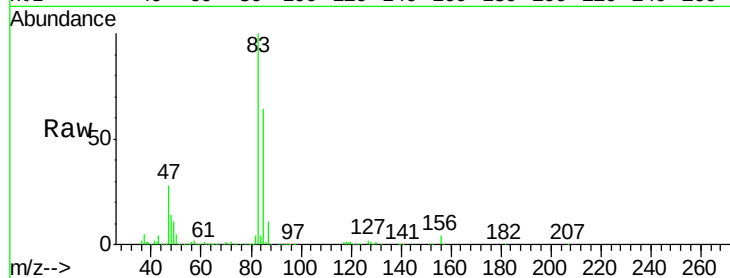
#29
Chloroform
Concen: 10.198 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2528568
Ion Ratio Lower Upper
83 100
85 63.7 51.1 76.7

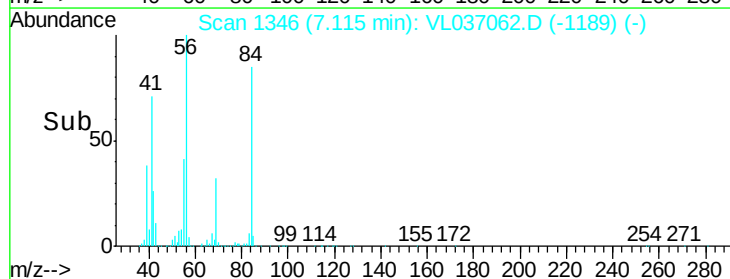
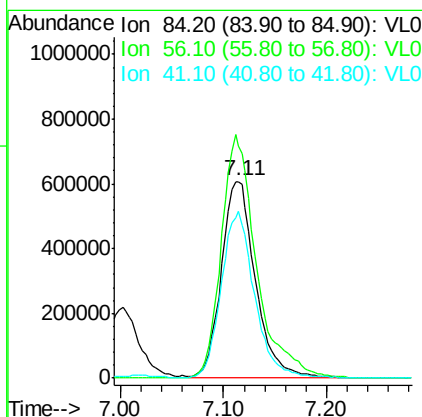
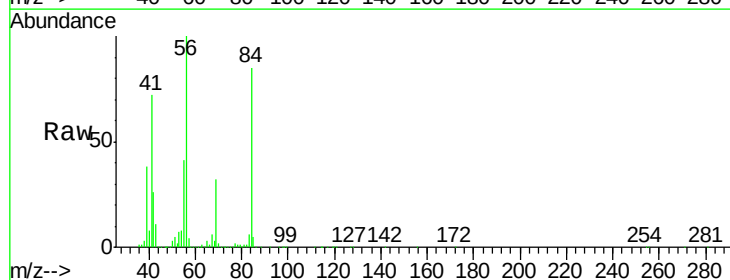
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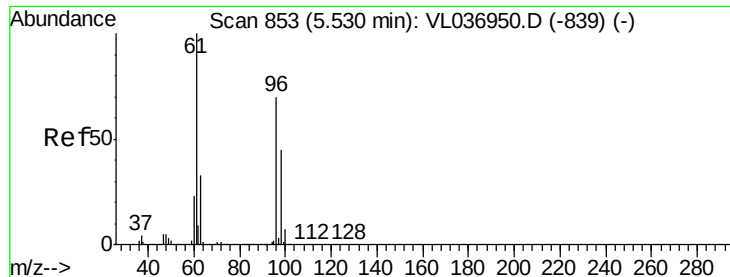
MMDadoda
5/27/2021 10:31:36 AM



#30
Cyclohexane
Concen: 9.313 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 84 Resp: 1388970
Ion Ratio Lower Upper
84 100
56 129.5 107.9 161.9
41 83.8 65.5 98.3





#31

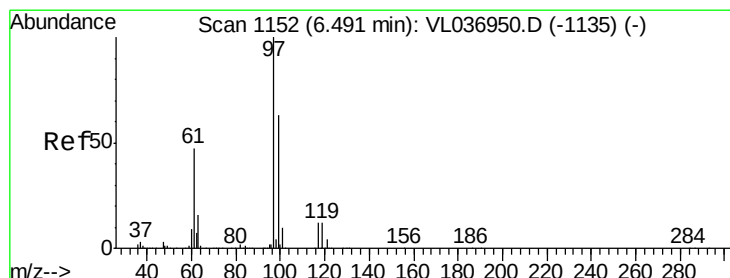
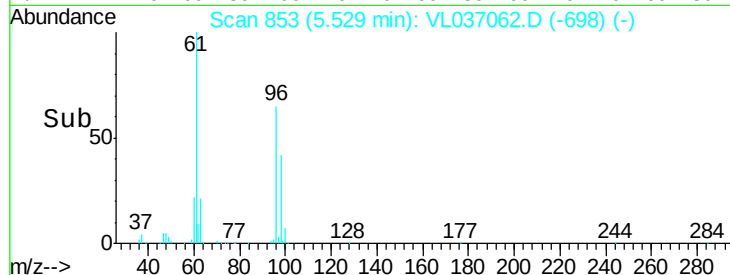
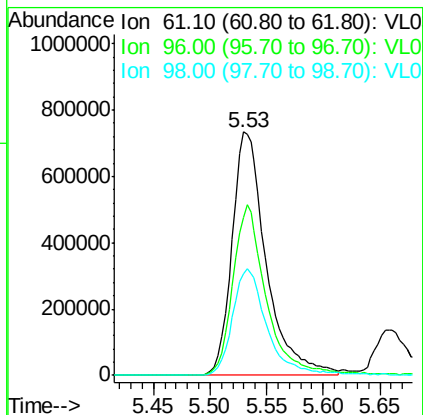
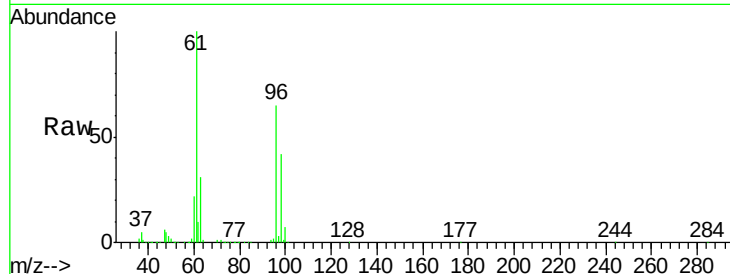
cis-1,2-Dichloroethene
Concen: 9.832 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1546993
Ion Ratio Lower Upper
61 100
96 64.6 55.9 83.9
98 41.8 35.6 53.4

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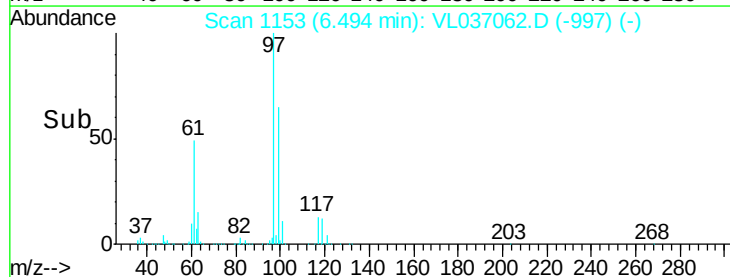
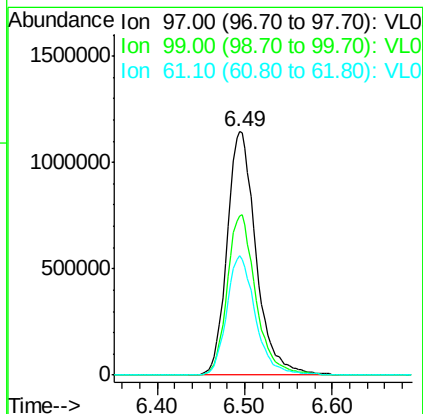
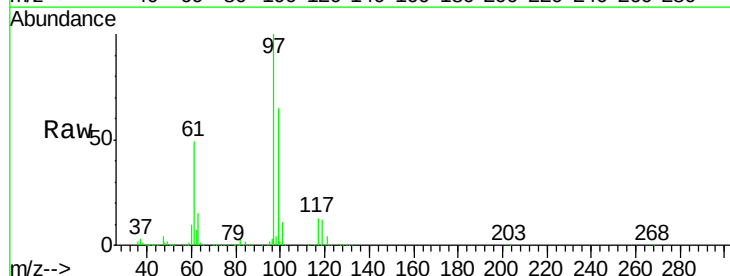
MMDadoda
5/27/2021 10:31:36 AM

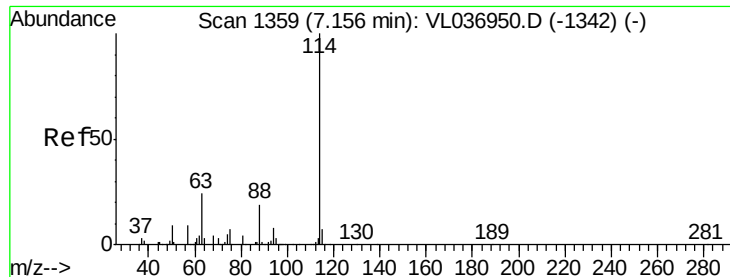


#32

1,1,1-Trichloroethane
Concen: 9.881 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 97 Resp: 2630618
Ion Ratio Lower Upper
97 100
99 65.3 51.9 77.9
61 48.4 37.6 56.4





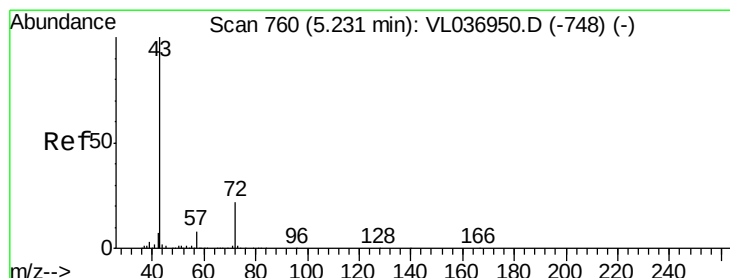
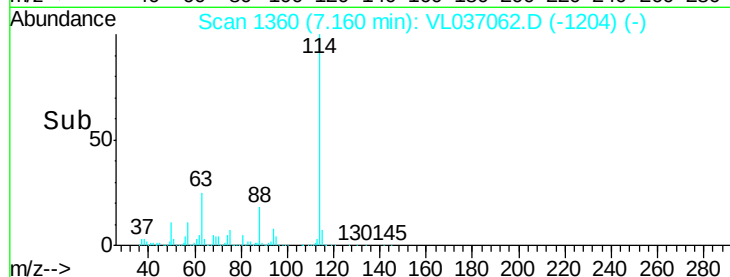
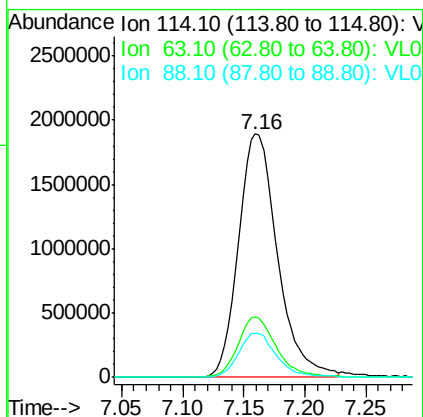
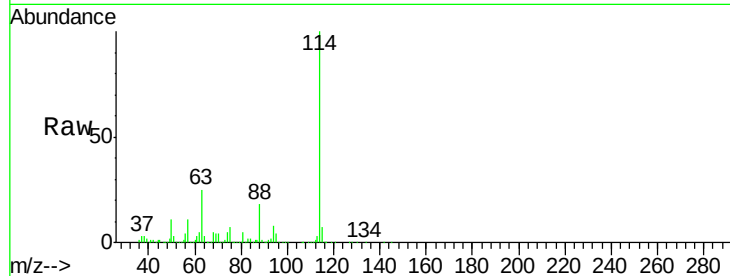
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 4184448
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.6 29.4
 88 18.0 14.6 21.8

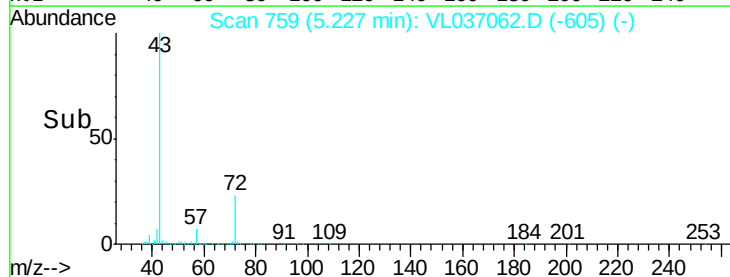
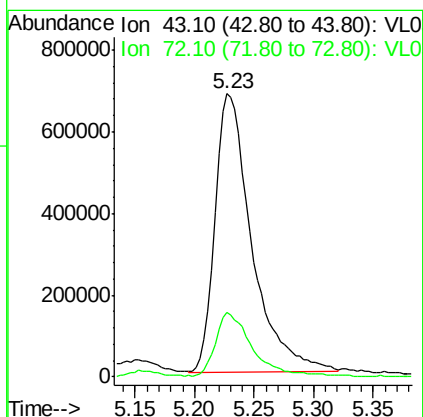
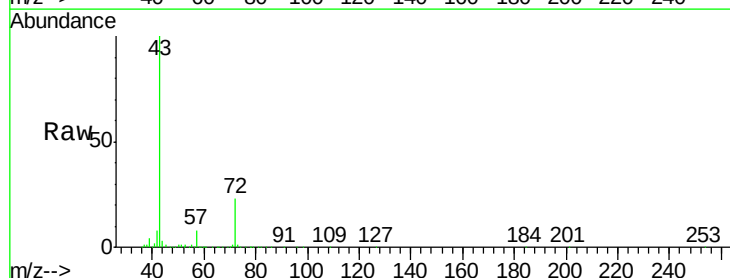
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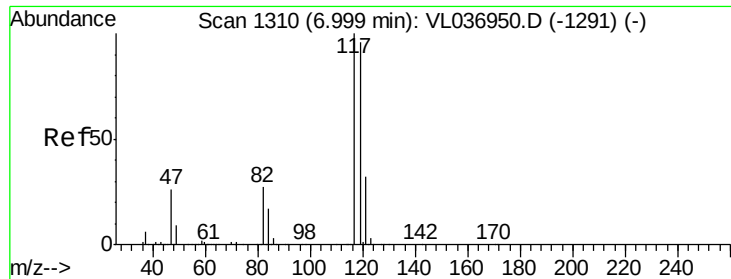
MMDadoda
 5/27/2021 10:31:36 AM



#34
 2-Butanone
 Concen: 9.563 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 43 Resp: 1457093
 Ion Ratio Lower Upper
 43 100
 72 23.4 19.0 28.4





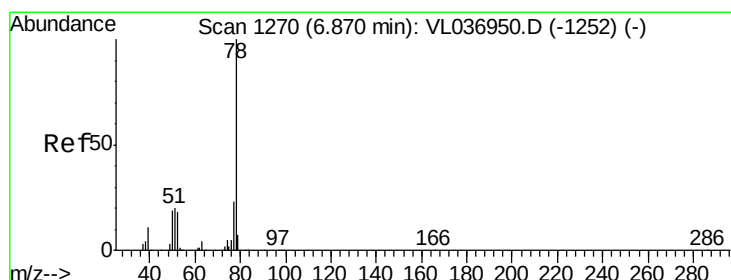
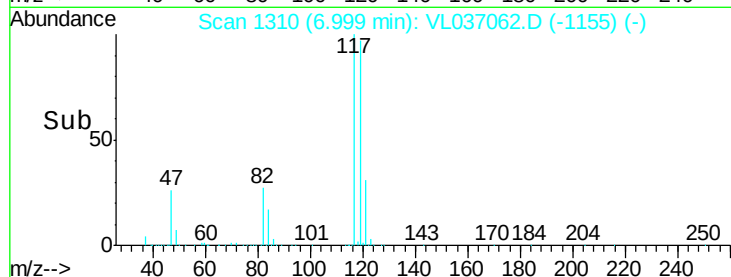
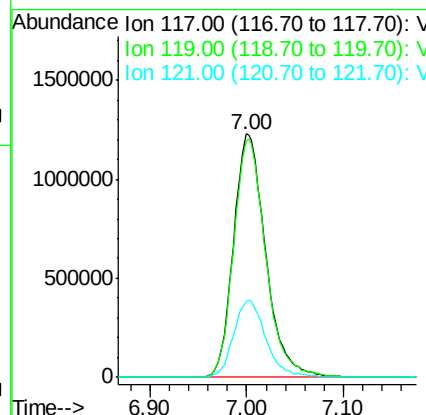
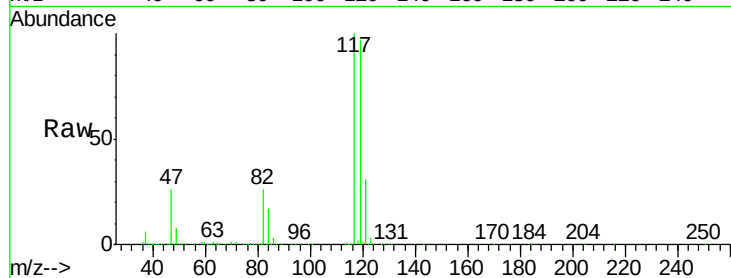
#35
Carbon Tetrachloride
Concen: 10.203 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 117 Resp: 2836728
Ion Ratio Lower Upper
117 100
119 96.7 76.6 114.8
121 31.1 25.8 38.6

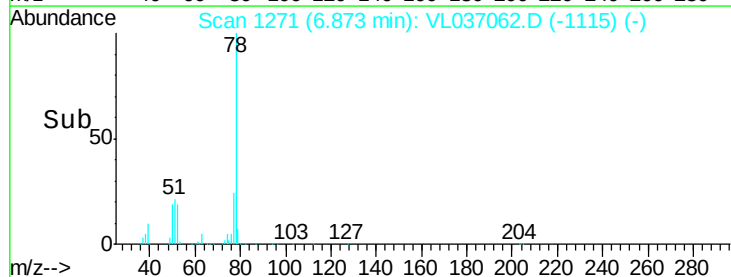
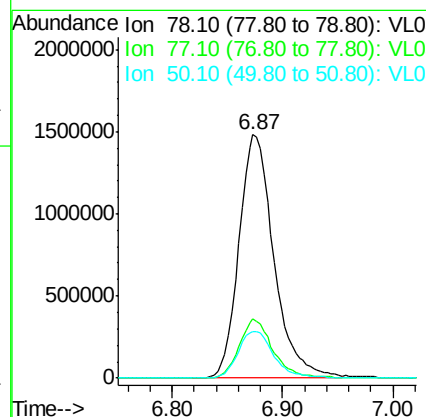
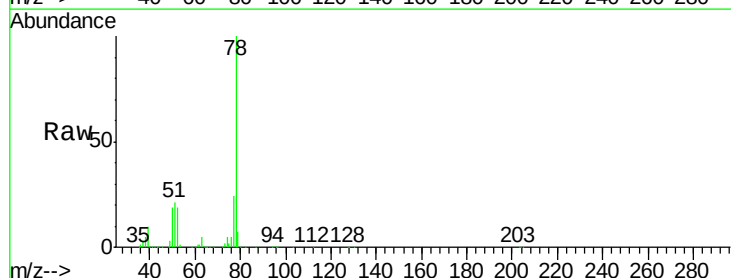
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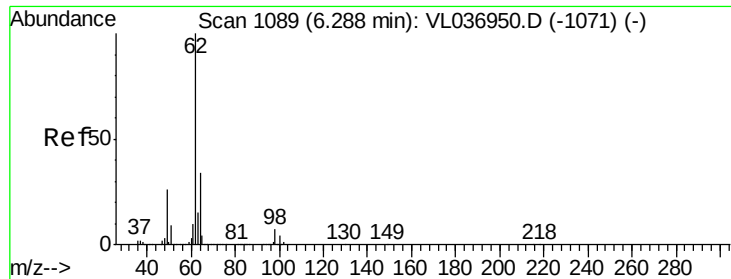
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#36
Benzene
Concen: 9.026 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 78 Resp: 3253317
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0
50 19.3 15.0 22.4





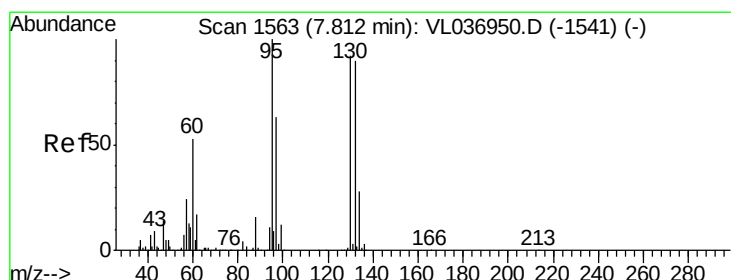
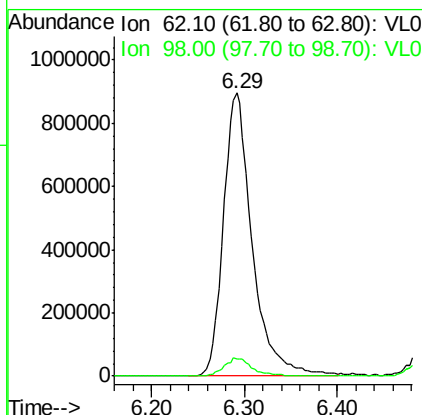
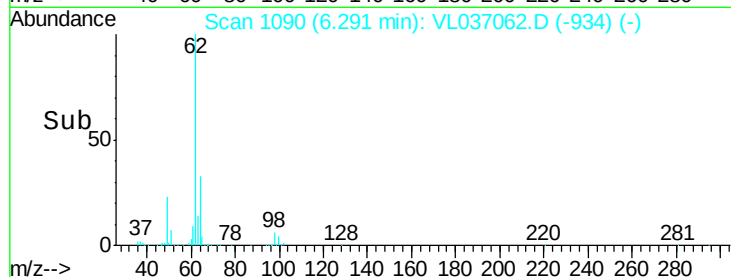
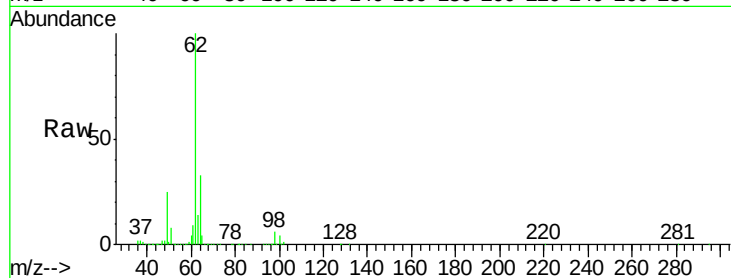
#37
 1,2-Dichloroethane
 Concen: 10.801 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1930015
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.5 8.3

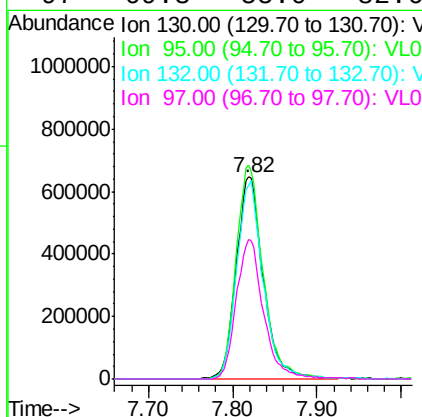
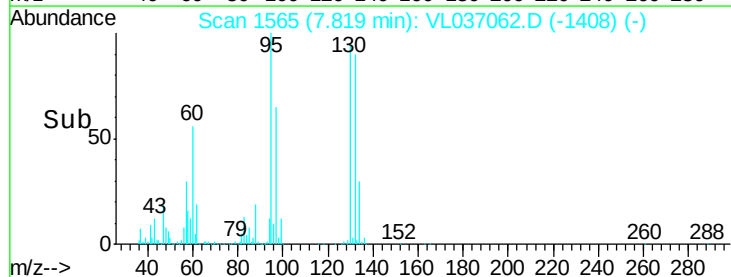
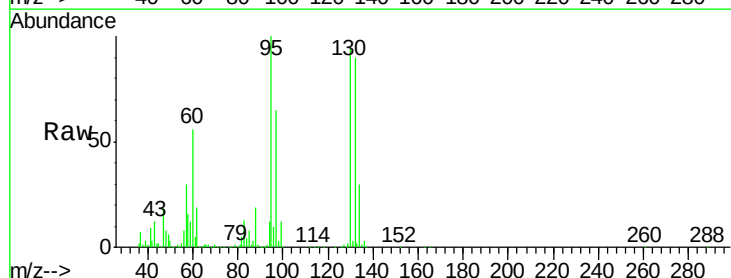
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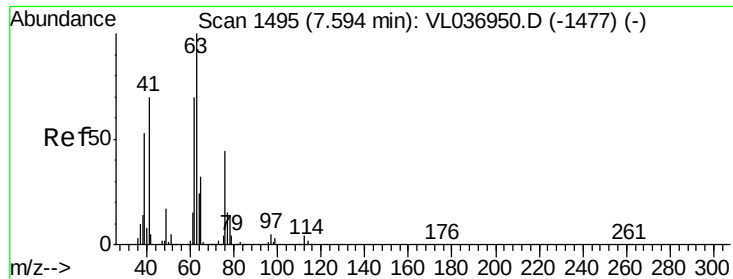
MMDadoda
 5/27/2021 10:31:36 AM



#38
 Trichloroethene
 Concen: 9.409 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 130 Resp: 1450807
 Ion Ratio Lower Upper
 130 100
 95 105.8 86.9 130.3
 132 95.7 78.4 117.6
 97 69.3 55.0 82.6





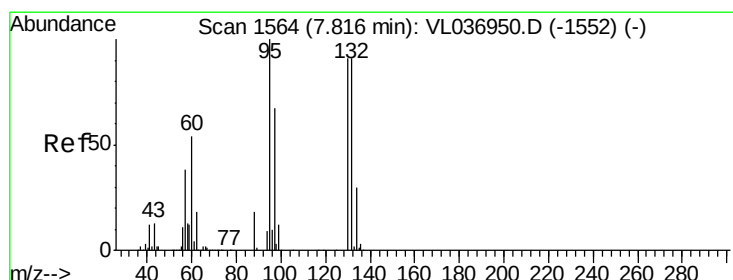
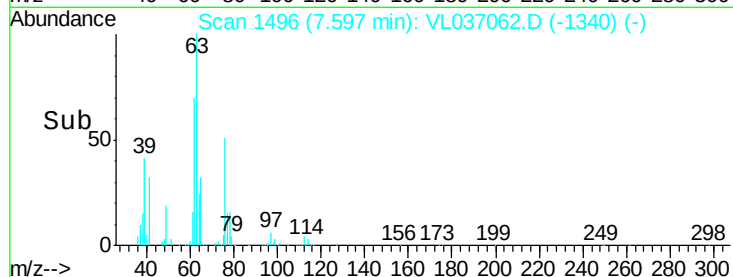
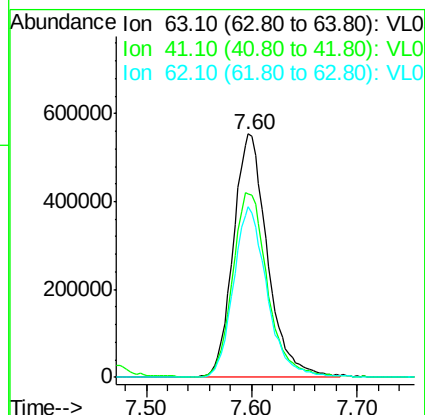
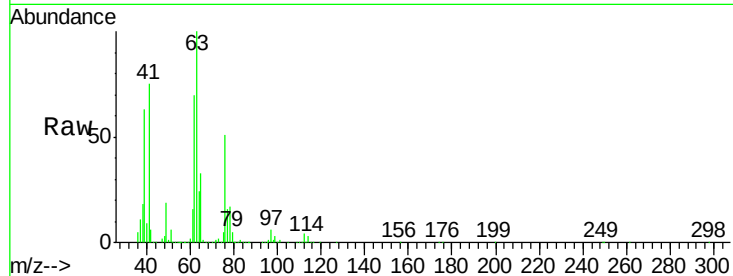
#39
 1,2-Dichloropropane
 Concen: 8.943 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 63 Resp: 1241641
 Ion Ratio Lower Upper
 63 100
 41 75.0 55.7 83.5
 62 70.1 56.2 84.4

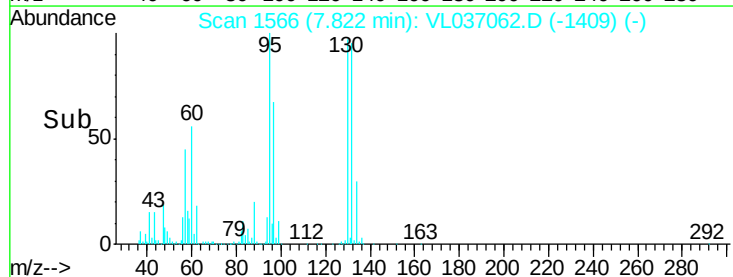
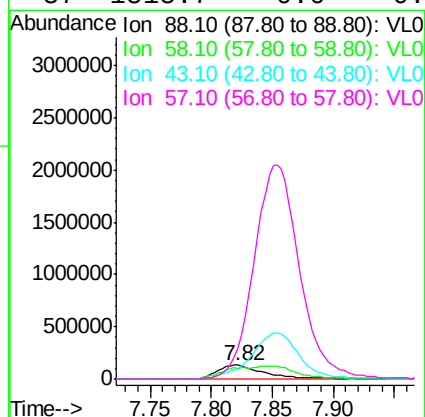
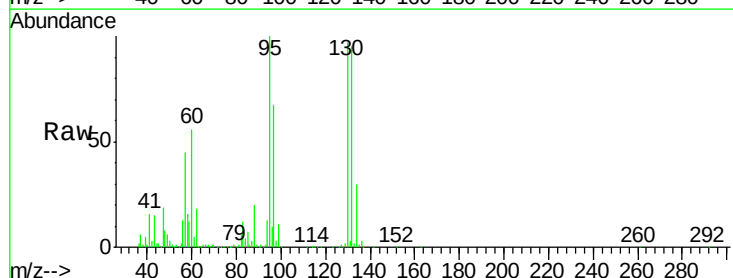
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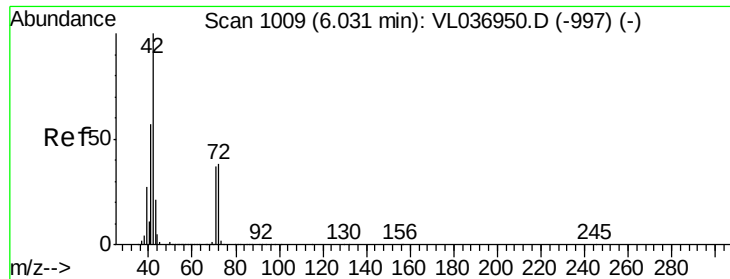
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#40
 1,4-Dioxane
 Concen: 10.707 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 88 Resp: 351021
 Ion Ratio Lower Upper
 88 100
 58 142.3 0.0 0.0#
 43 347.2 0.0 0.0#
 57 1515.7 0.0 0.0#





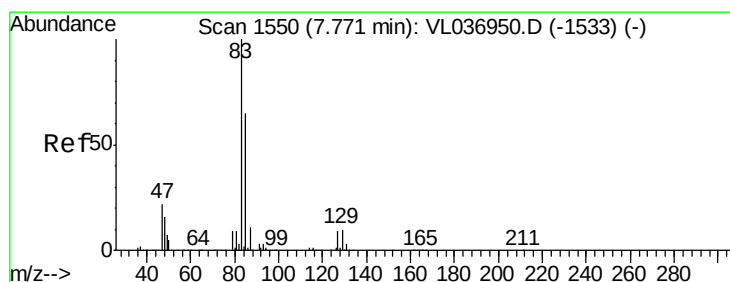
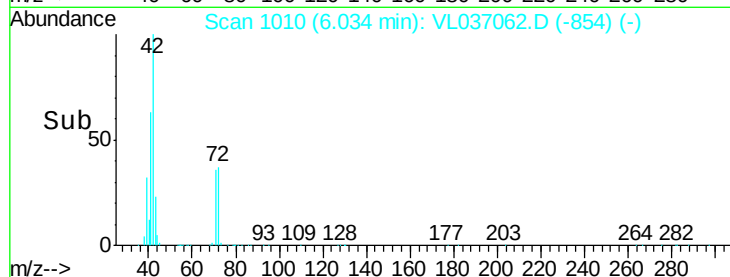
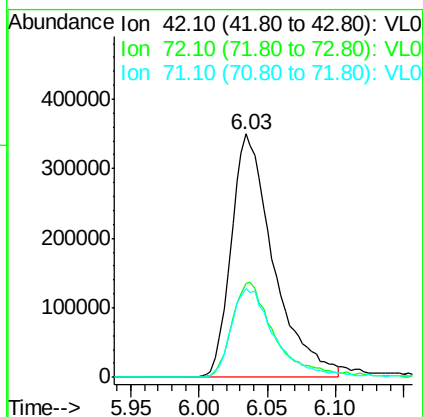
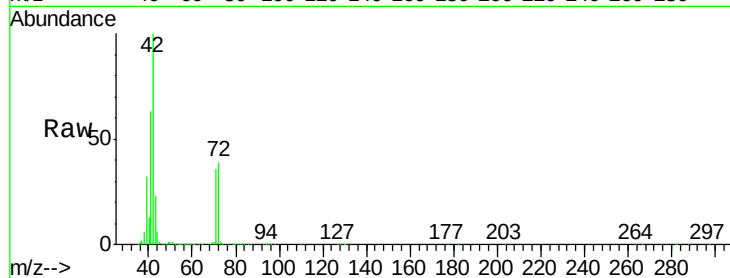
#41
Tetrahydrofuran
Concen: 8.656 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.4	47.2
71	38.5	30.4	45.6

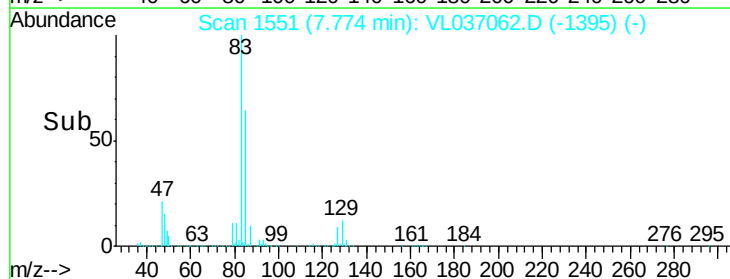
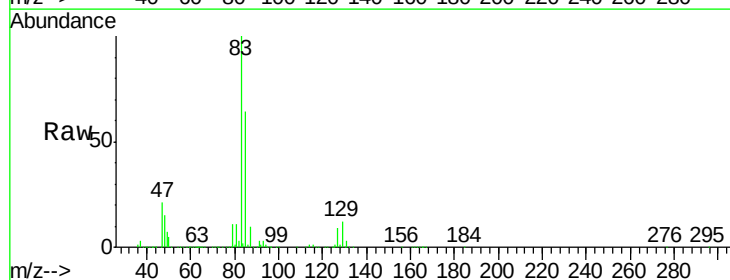
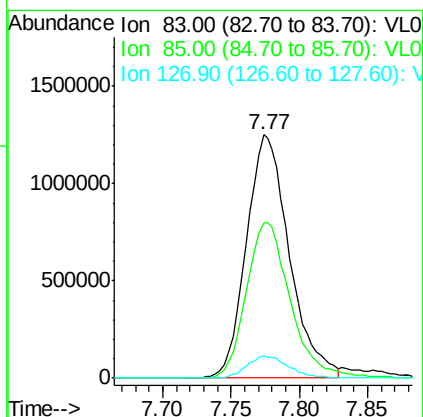
Manual Integrations
APPROVED

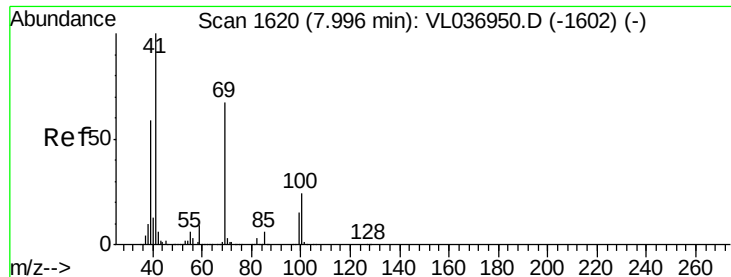
MMDadoda
5/27/2021 10:31:36 AM



#42
Bromodichloromethane
Concen: 10.101 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.7	77.5
127	8.9	6.9	10.3





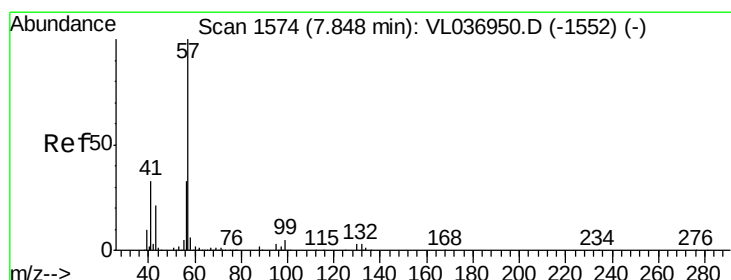
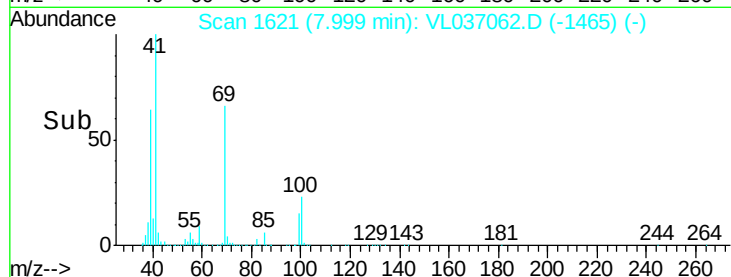
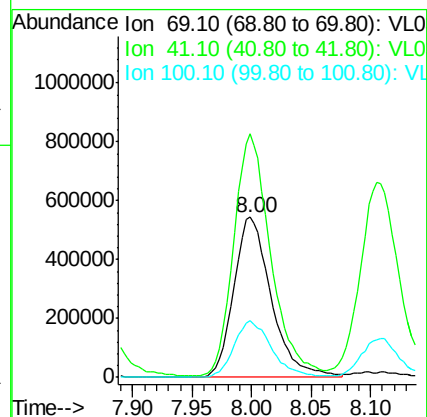
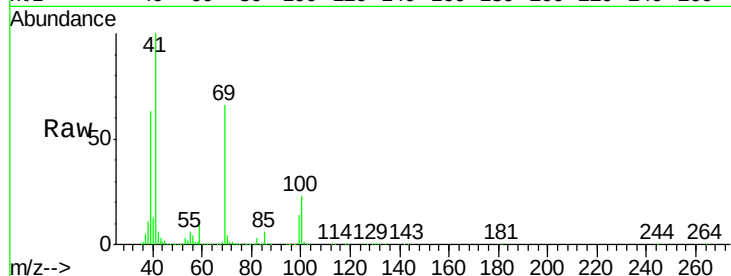
#43
Methyl Methacrylate
Concen: 9.582 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1190297
Ion Ratio Lower Upper
69 100
41 149.2 118.6 178.0
100 35.4 28.2 42.4

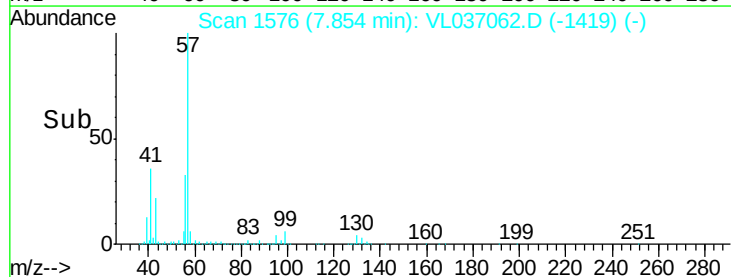
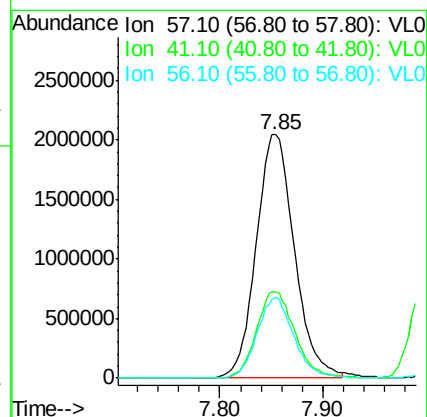
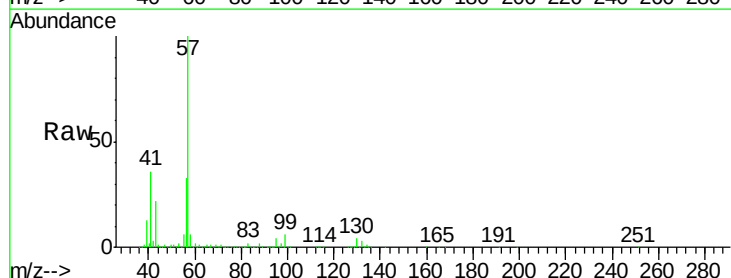
Manual Integrations
APPROVED

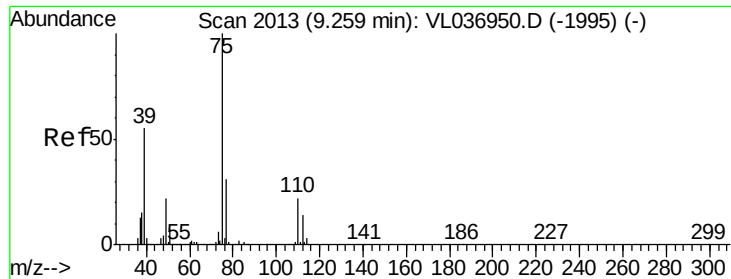
MMDadoda
5/27/2021 10:31:36 AM



#44
2,2,4-Trimethylpentane
Concen: 8.515 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 57 Resp: 5265590
Ion Ratio Lower Upper
57 100
41 35.6 27.0 40.4
56 31.8 25.4 38.2





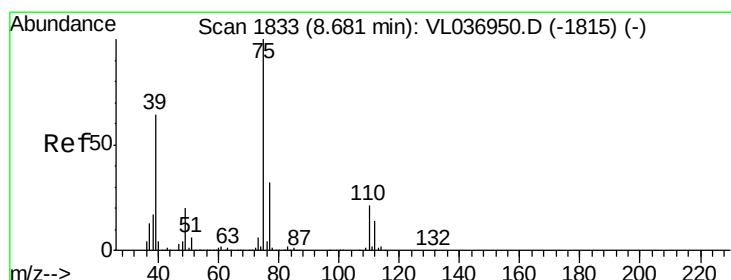
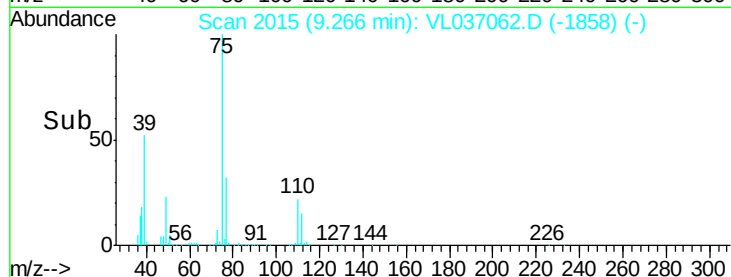
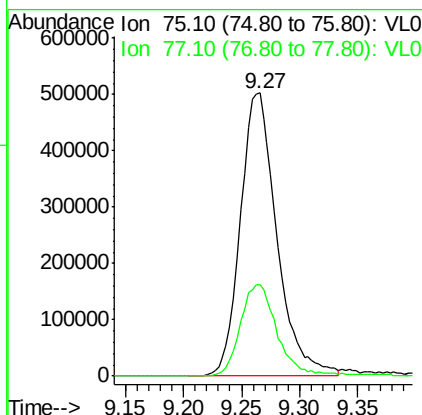
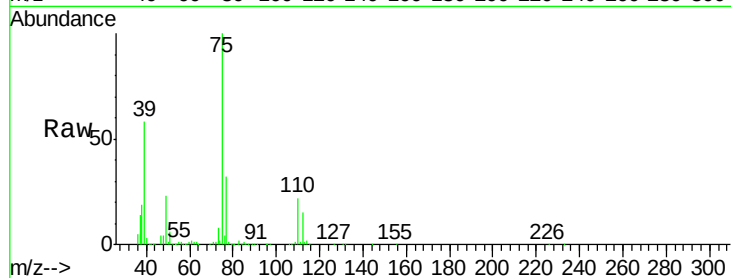
#45
 t-1,3-Dichloropropene
 Concen: 11.576 ppbv
 RT: 9.27 min Scan# 2015
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 1098653
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.4 36.6

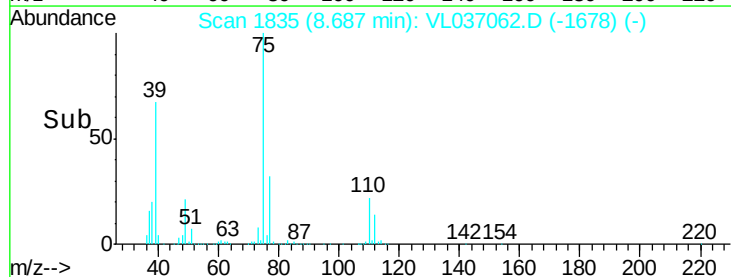
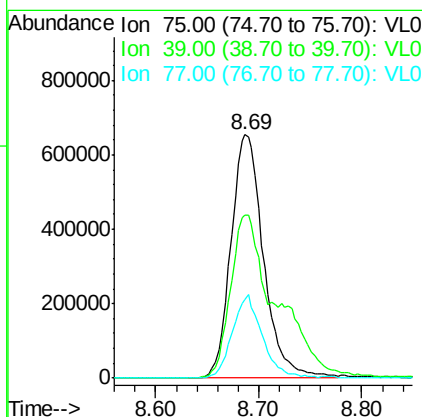
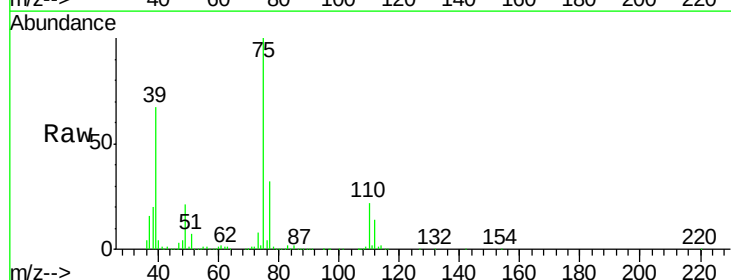
Manual Integrations
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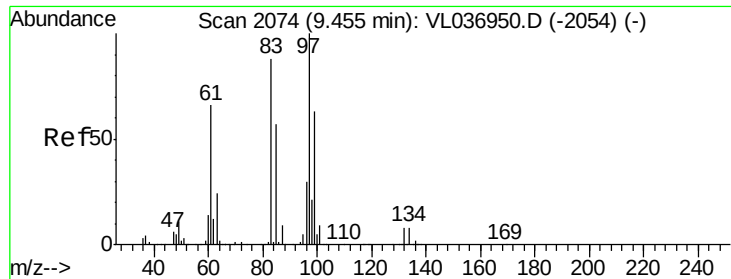
MMDadoda
 5/27/2021 10:31:36 AM



#46
 cis-1,3-Dichloropropene
 Concen: 11.267 ppbv
 RT: 8.69 min Scan# 1835
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 75 Resp: 1438296
 Ion Ratio Lower Upper
 75 100
 39 67.0 51.5 77.3
 77 32.4 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 9.625 ppbv

RT: 9.46 min Scan# 2076

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1398695

Ion Ratio Lower Upper

97 100

83 83.8 70.4 105.6

85 54.5 45.5 68.3

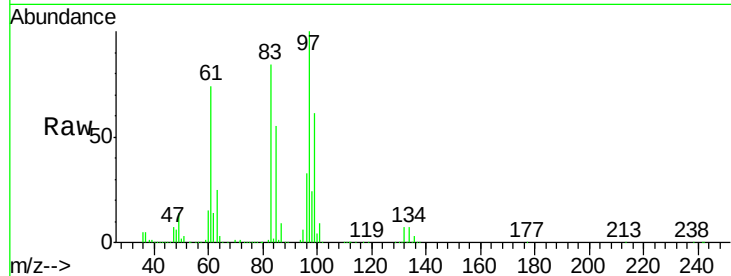
99 61.2 50.2 75.2

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Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

800000

600000

400000

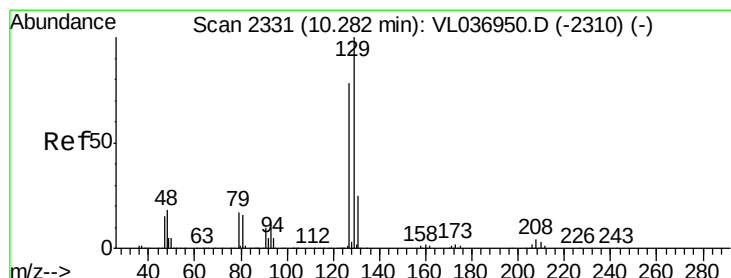
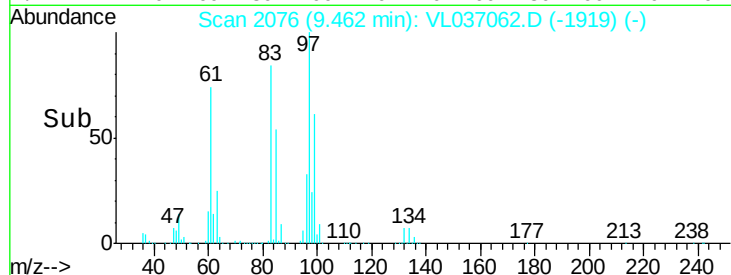
200000

0

9.40

9.50

Time-->



#48

Dibromochloromethane

Concen: 10.833 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. 0.01 min

Lab File: VL037062.D

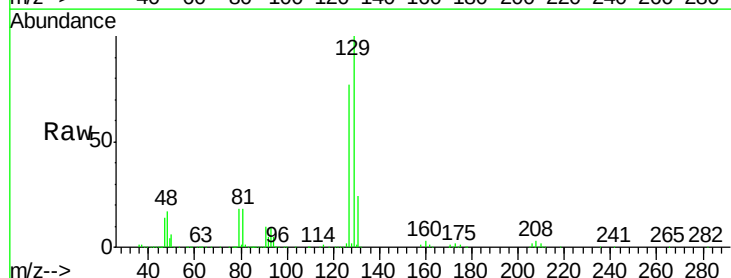
Acq: 25 May 2021 15:54

Tgt Ion: 129 Resp: 2549008

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

1200000

1000000

800000

600000

400000

200000

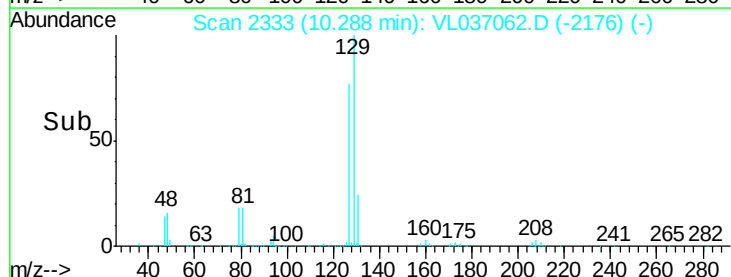
0

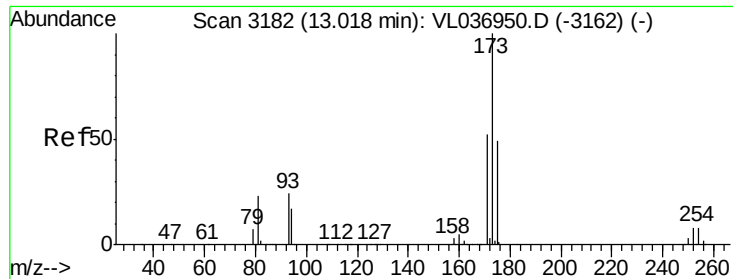
10.20

10.30

10.40

Time-->





#49

Bromoform

Concen: 10.864 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 2111100

Ion Ratio Lower Upper

173 100

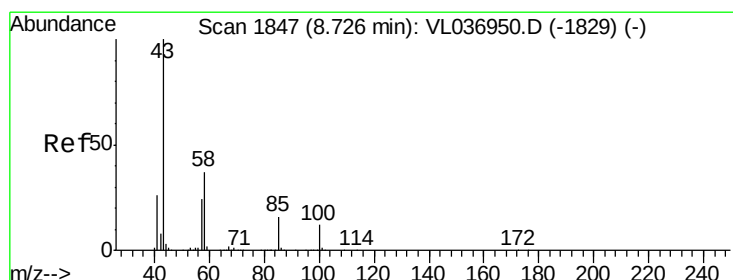
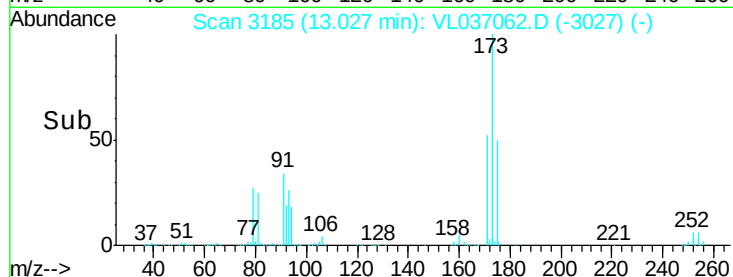
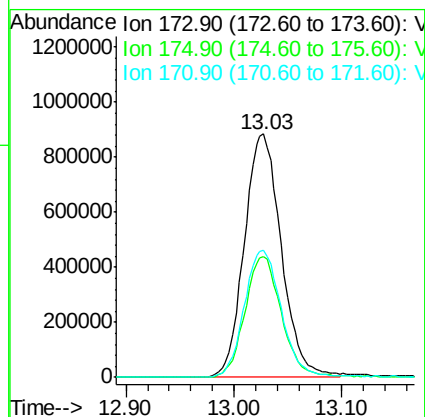
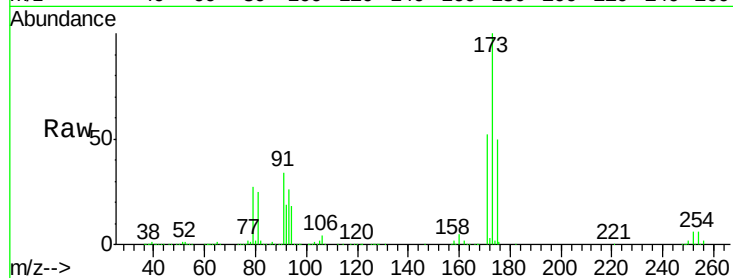
175 49.9 40.4 60.6

171 53.1 42.6 64.0

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#50

4-Methyl-2-Pentanone

Concen: 9.127 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL037062.D

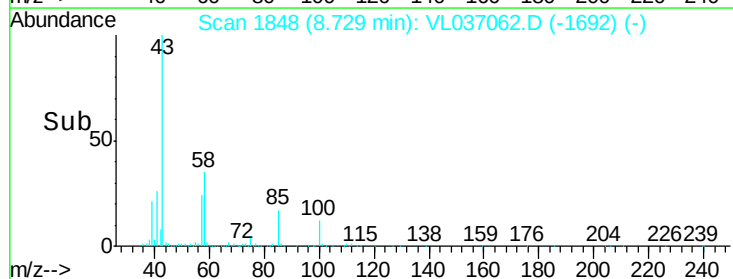
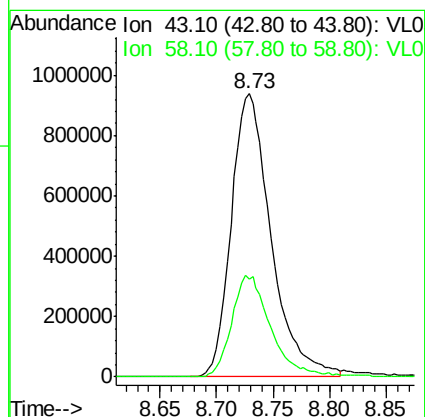
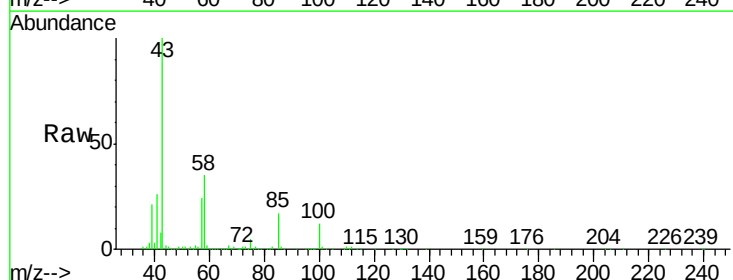
Acq: 25 May 2021 15:54

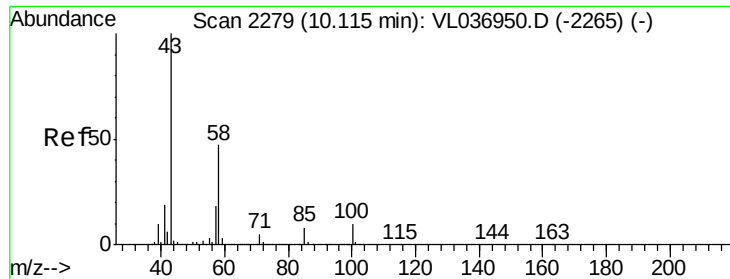
Tgt Ion: 43 Resp: 2294760

Ion Ratio Lower Upper

43 100

58 35.8 29.4 44.2





#51

2-Hexanone

Concen: 9.013 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1198010

Ion Ratio Lower Upper

43 100

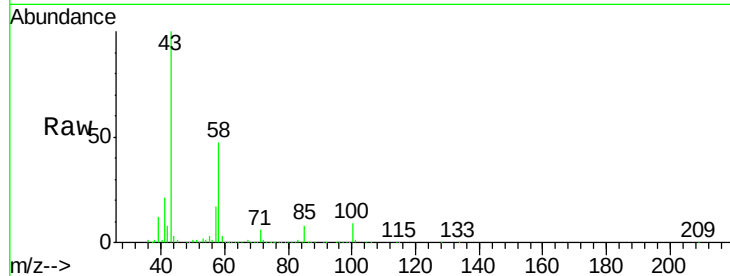
58 47.2 41.1 61.7

98 0.6 0.1 0.1#

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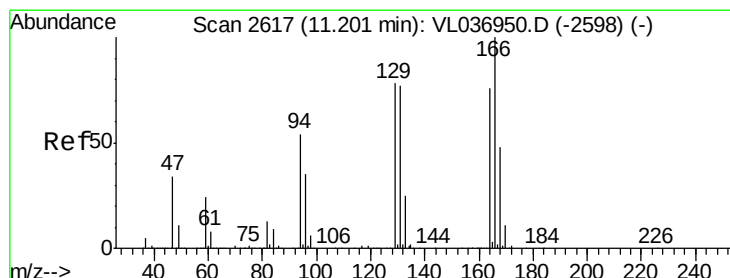
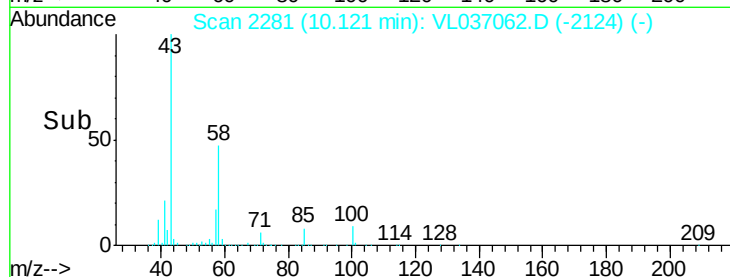
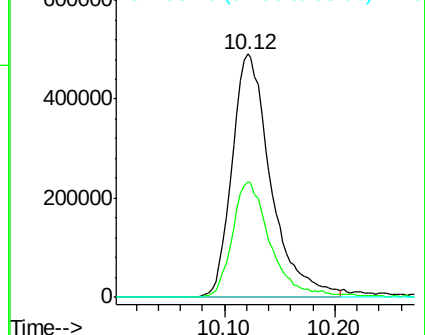
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.495 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Tgt Ion: 164 Resp: 1360881

Ion Ratio Lower Upper

164 100

166 123.8 105.5 158.3

129 104.3 81.8 122.8

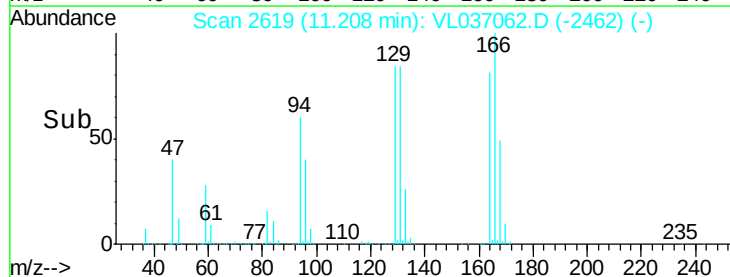
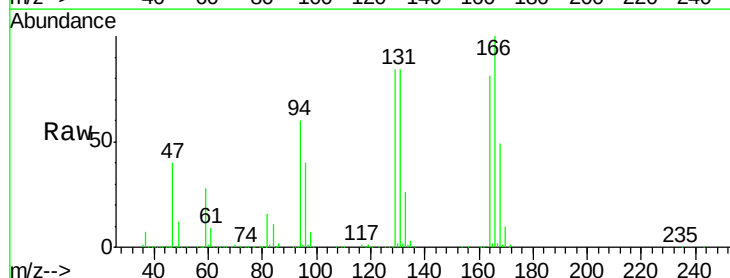
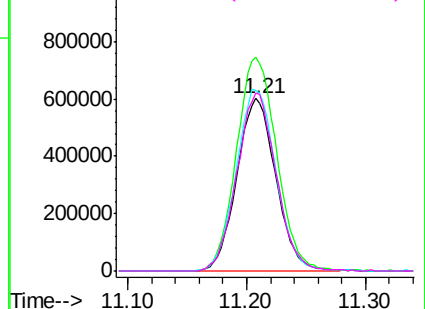
131 103.5 81.2 121.8

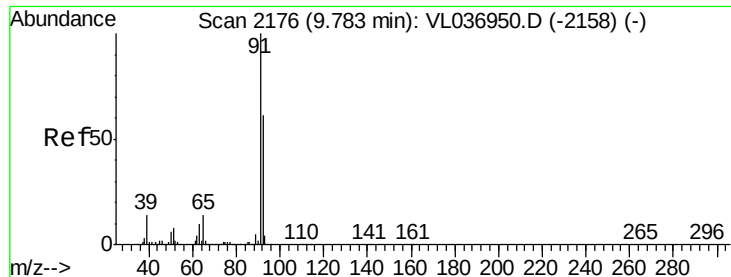
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.187 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3940204

Ion Ratio Lower Upper

91 100

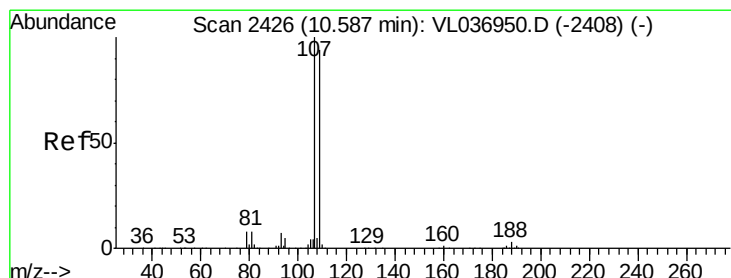
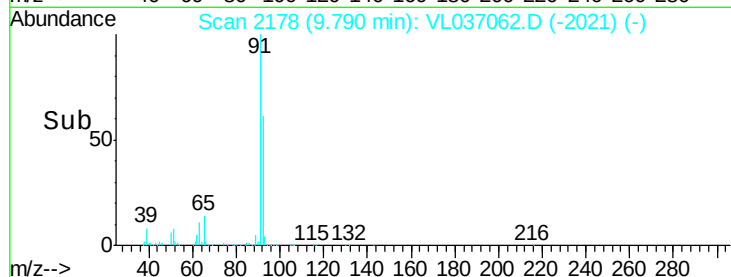
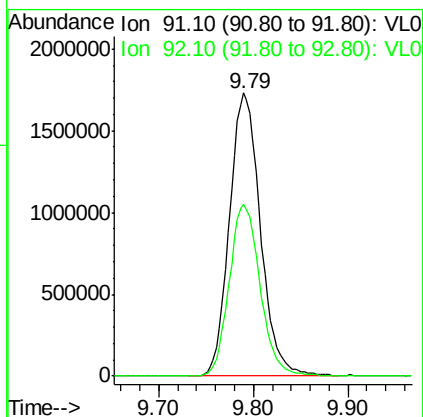
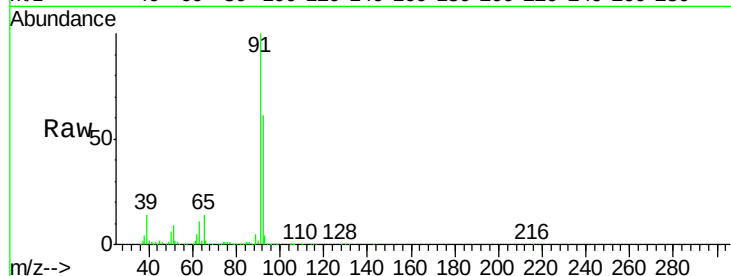
92 60.9 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 10.242 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL037062.D

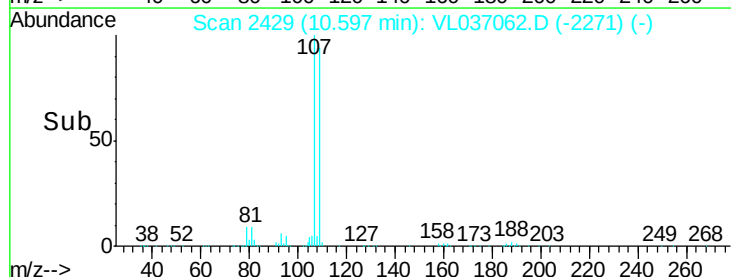
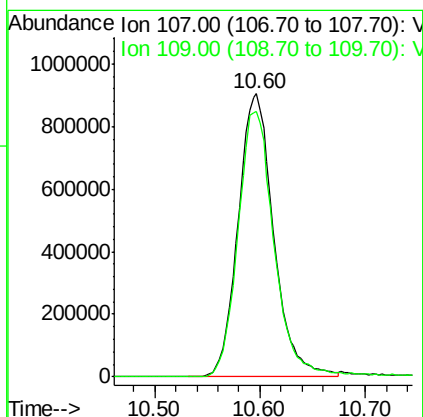
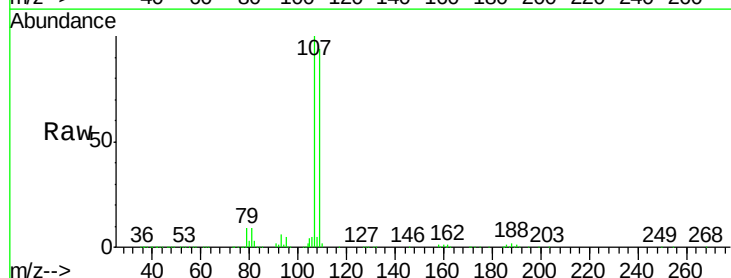
Acq: 25 May 2021 15:54

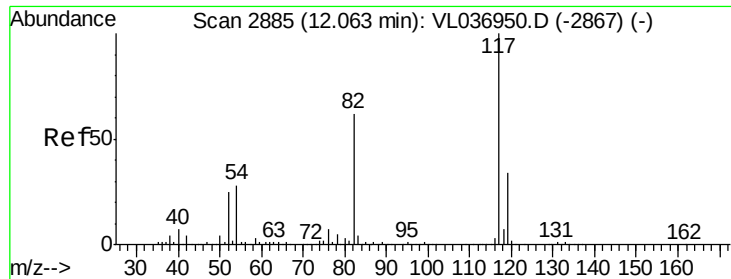
Tgt Ion: 107 Resp: 2115942

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.4





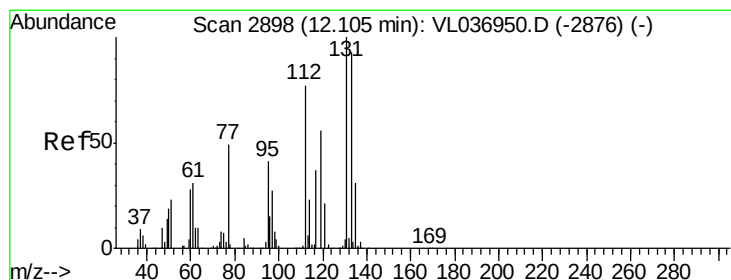
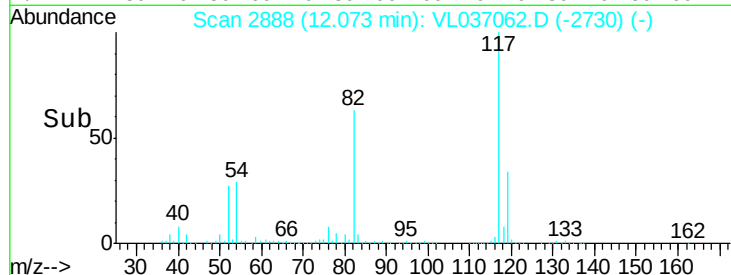
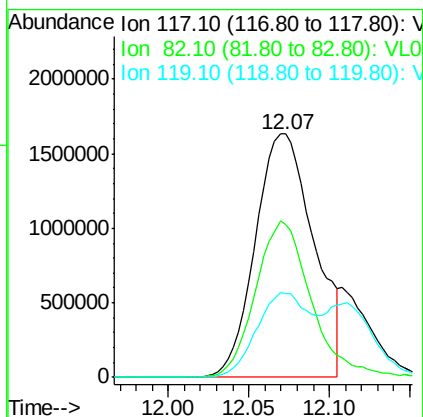
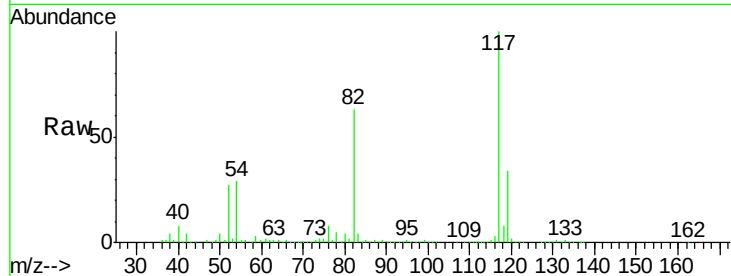
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 4103985
Ion Ratio Lower Upper
117 100
82 61.5 52.6 79.0
119 57.9 46.6 70.0

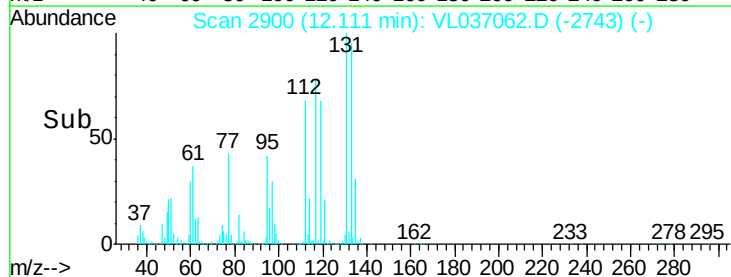
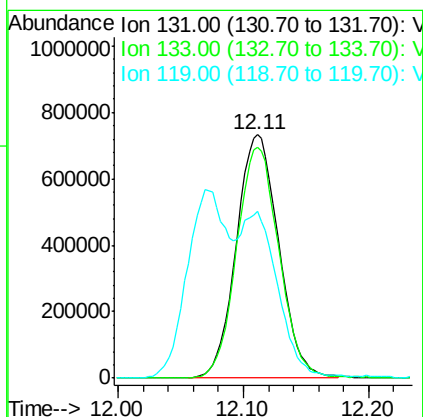
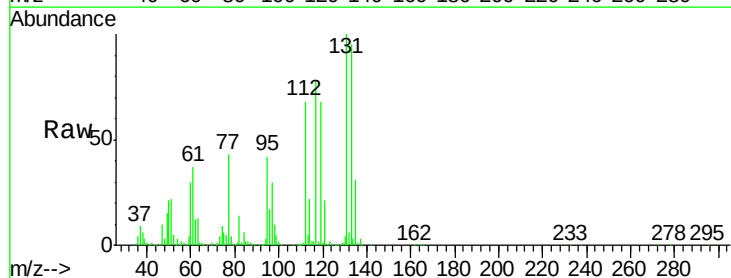
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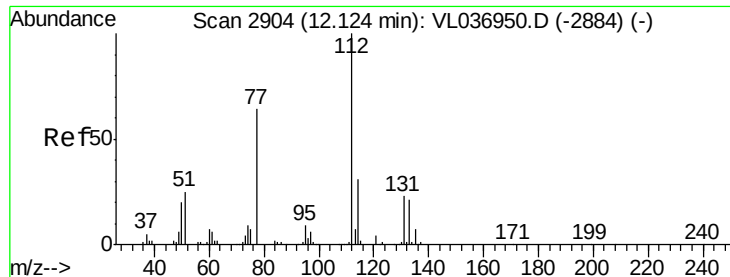
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.934 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion:131 Resp: 1715351
Ion Ratio Lower Upper
131 100
133 95.4 76.9 115.3
119 58.6 120.2 180.4#





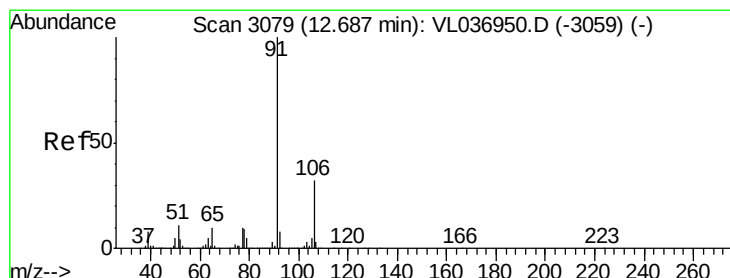
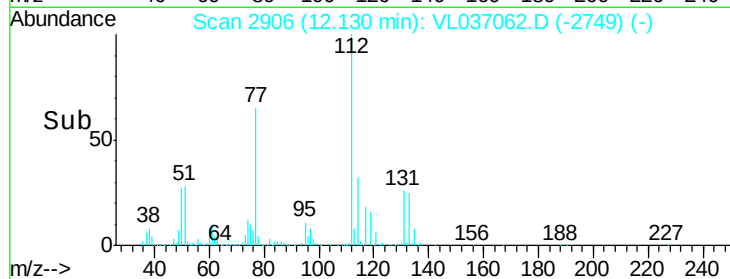
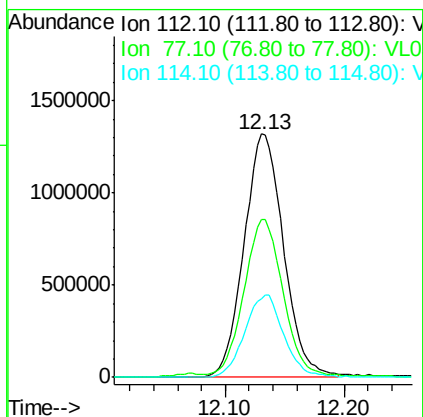
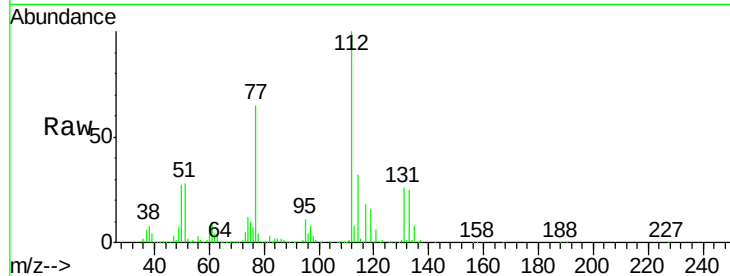
#57
Chlorobenzene
Concen: 9.539 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 3035321
Ion Ratio Lower Upper
112 100
77 63.6 51.0 76.6
114 32.1 28.3 34.5

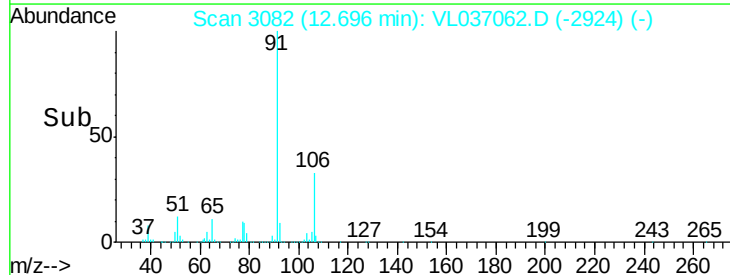
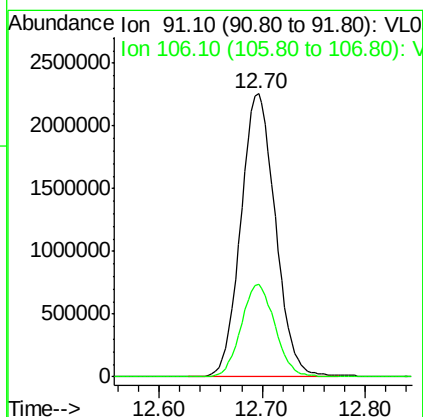
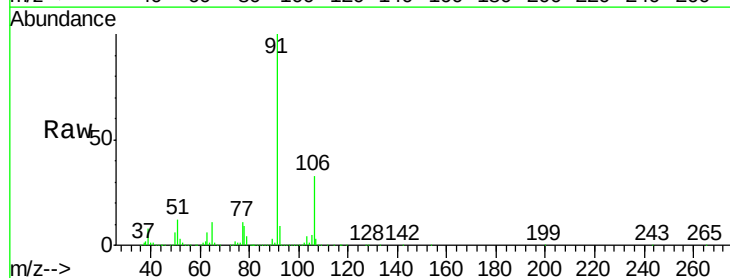
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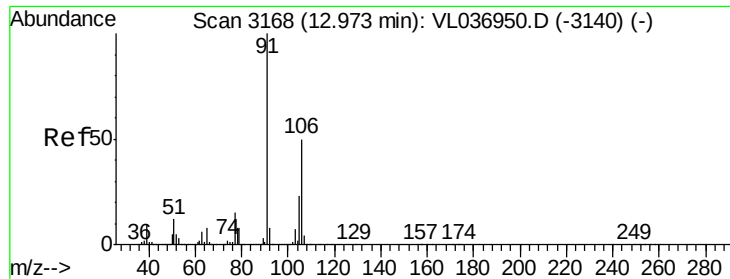
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#58
Ethyl Benzene
Concen: 9.095 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 91 Resp: 5268324
Ion Ratio Lower Upper
91 100
106 32.9 25.6 38.4





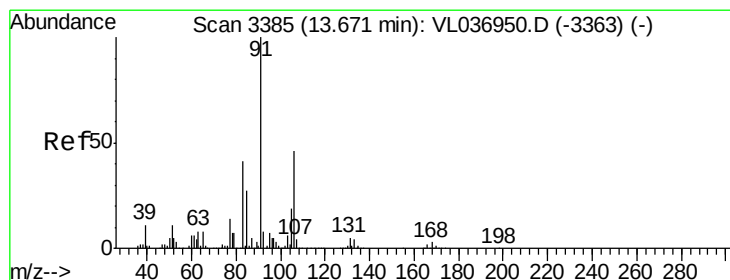
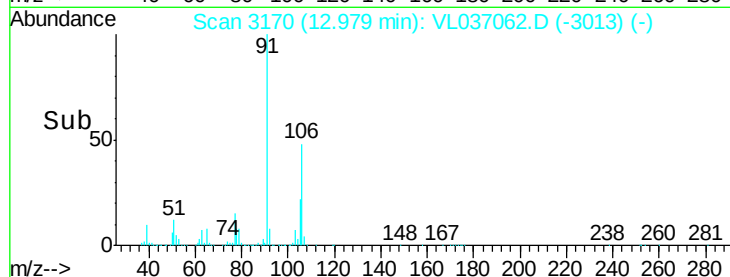
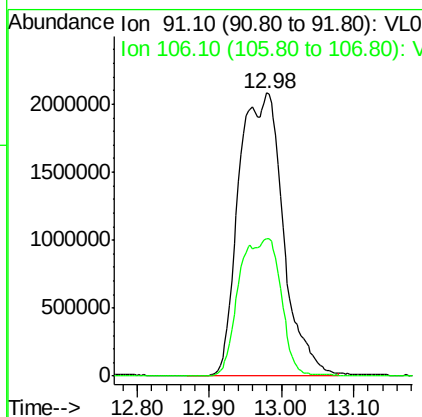
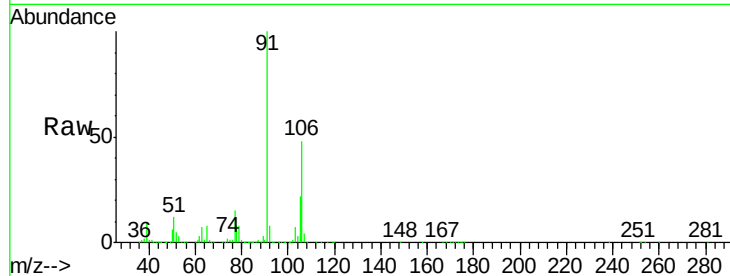
#59
m/p-Xylene
Concen: 18.624 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 8916995
Ion Ratio Lower Upper
91 100
106 45.9 37.4 56.2

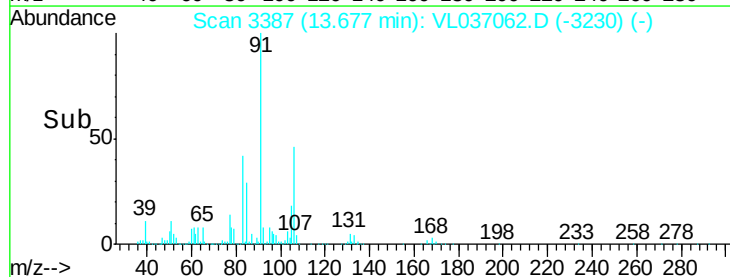
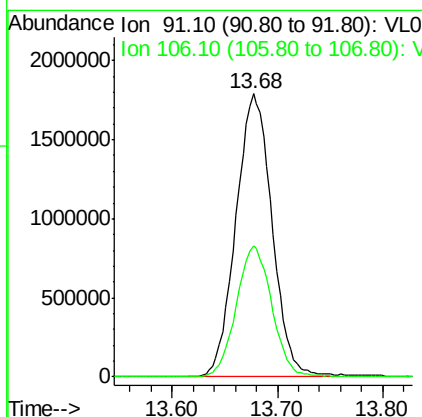
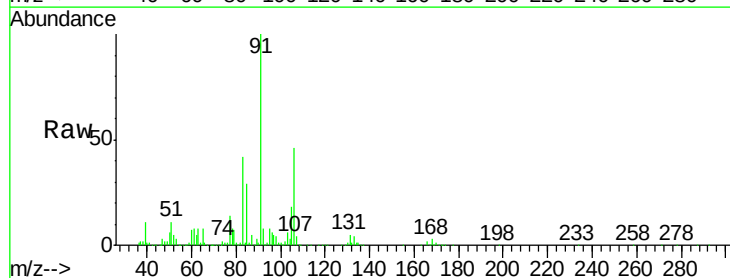
Manual Integrations
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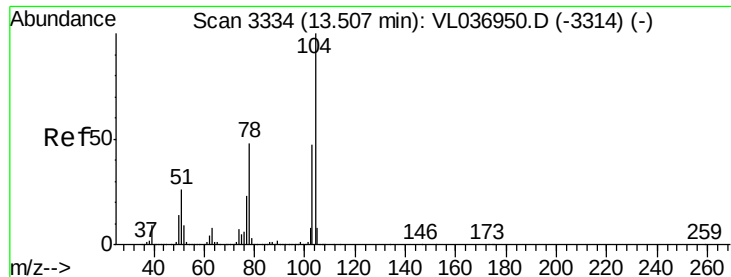
MMDadoda
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#60
o-Xylene
Concen: 9.294 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 91 Resp: 4243793
Ion Ratio Lower Upper
91 100
106 46.1 23.4 70.3





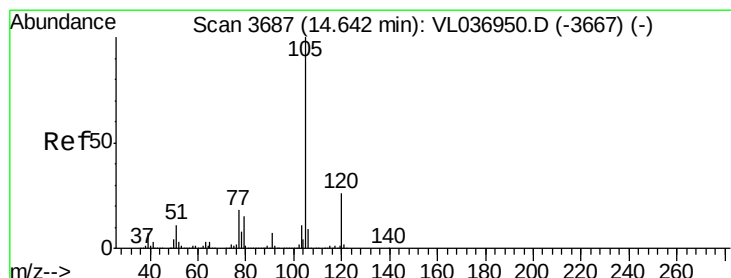
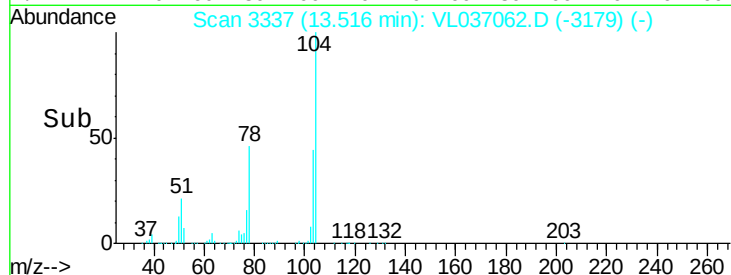
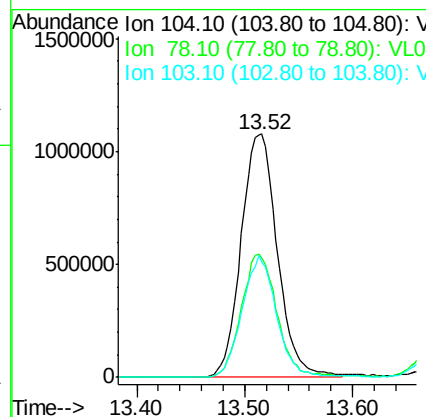
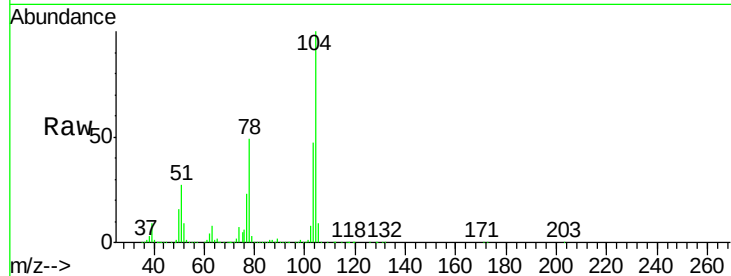
#61
Styrene
Concen: 9.784 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	39.0	58.6
103	47.8	38.0	57.0

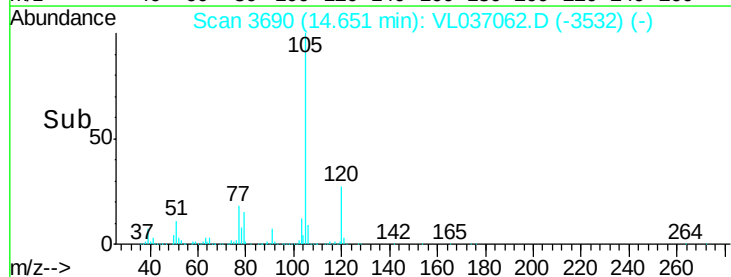
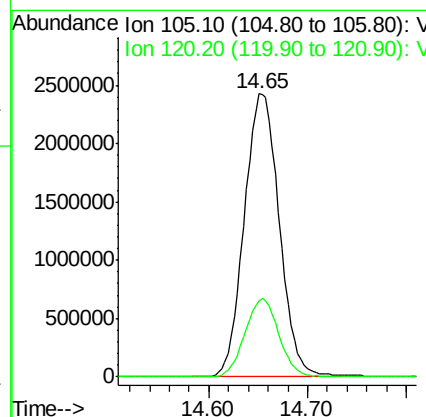
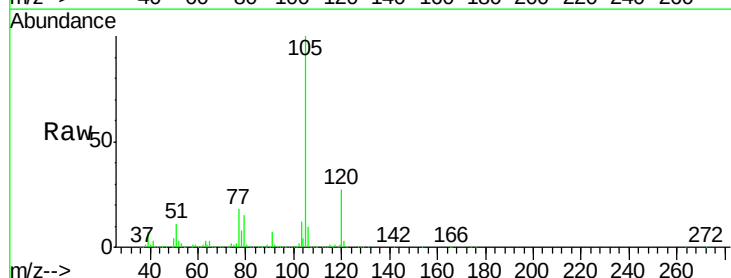
Manual Integrations
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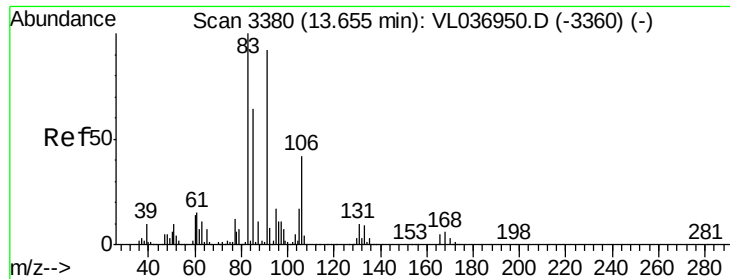
MMDadoda
5/27/2021 10:31:36 AM



#62
Isopropylbenzene
Concen: 9.077 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 8.412 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 2868965

Ion Ratio Lower Upper

83 100

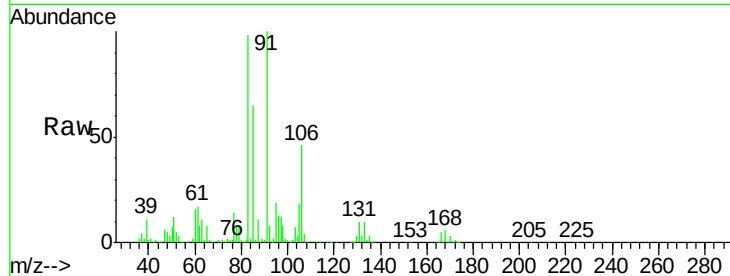
131 10.9 5.0 15.0

85 66.6 32.9 98.6

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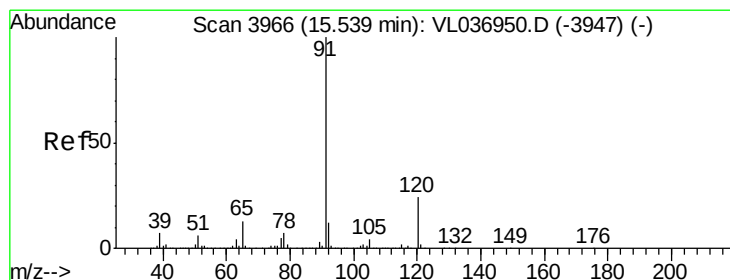
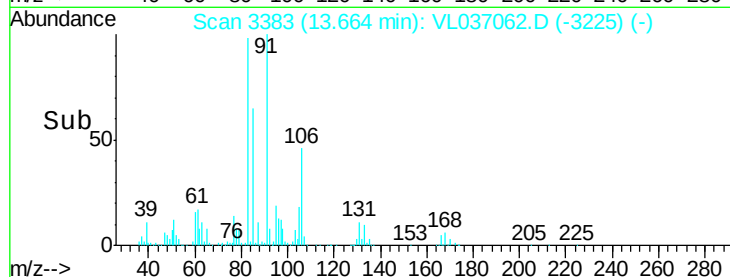
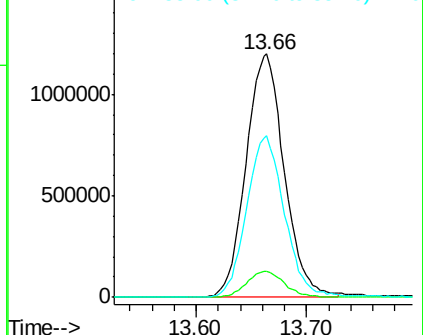
5/27/2021 10:31:36 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.394 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. 0.01 min

Lab File: VL037062.D

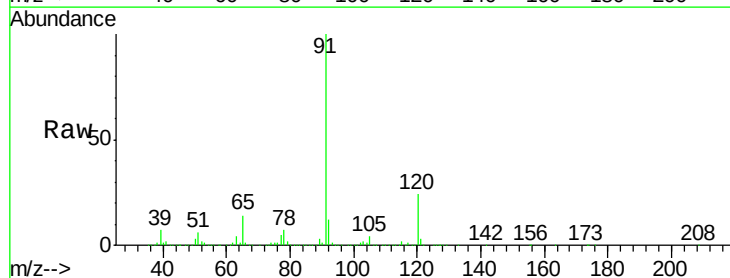
Acq: 25 May 2021 15:54

Tgt Ion: 120 Resp: 1590590

Ion Ratio Lower Upper

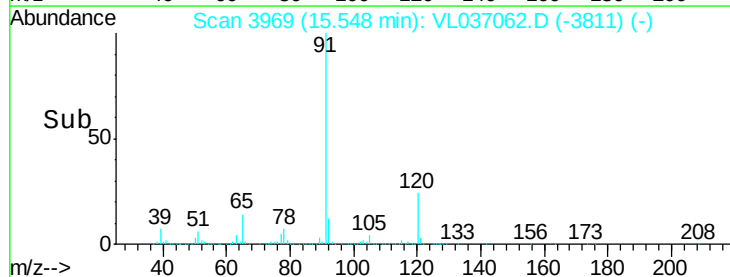
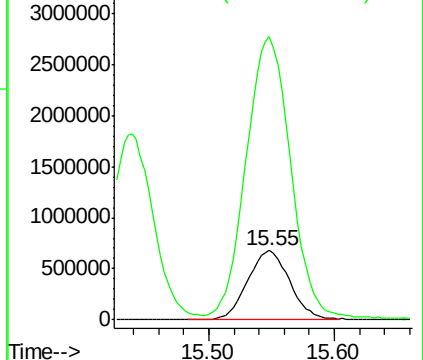
120 100

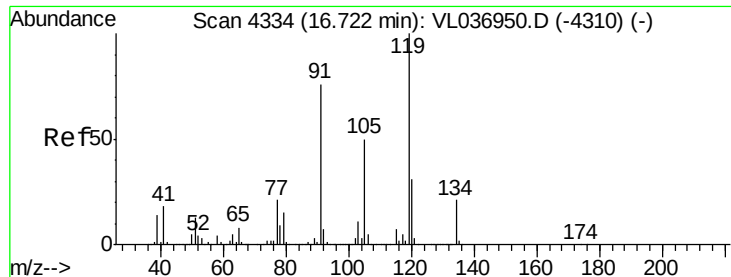
91 435.6 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





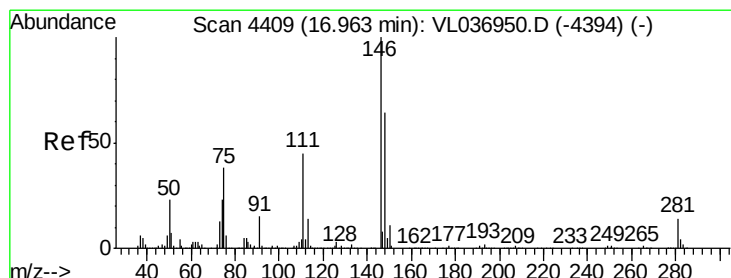
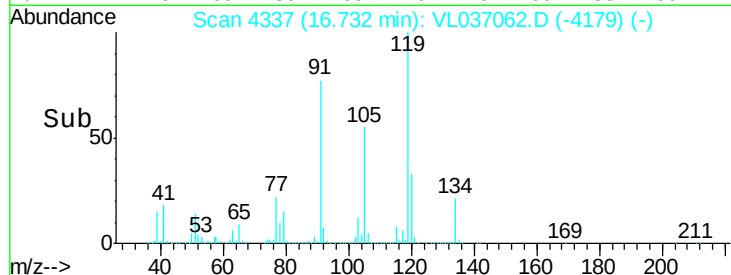
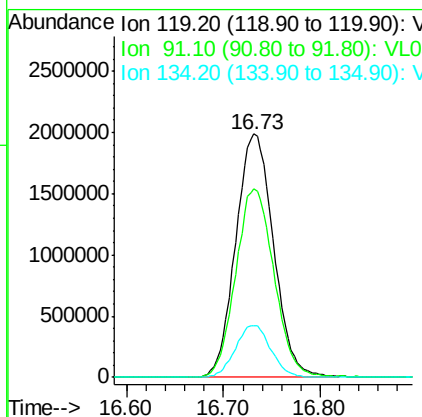
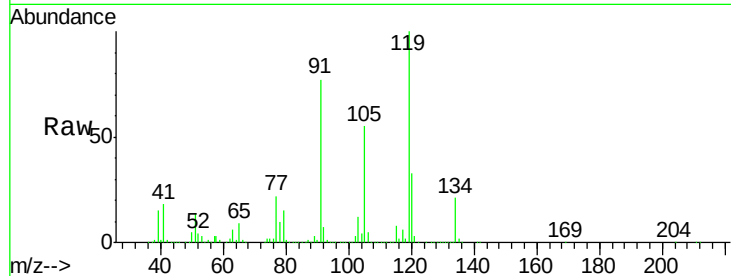
#65
 tert-Butylbenzene
 Concen: 9.114 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 5397440
 Ion Ratio Lower Upper
 119 100
 91 78.8 61.9 92.9
 134 20.1 16.2 24.4

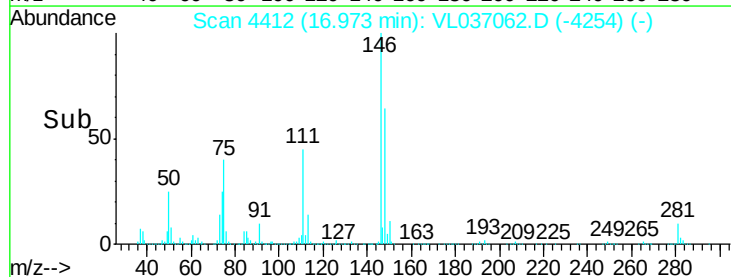
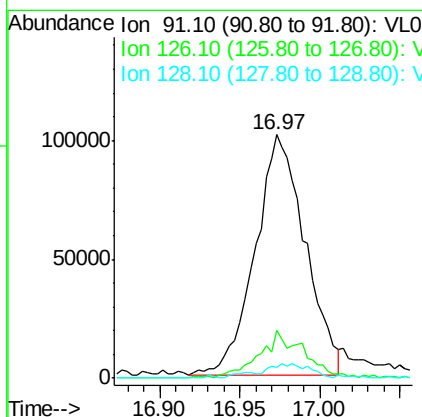
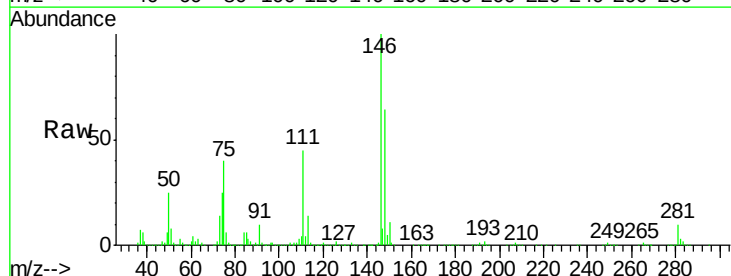
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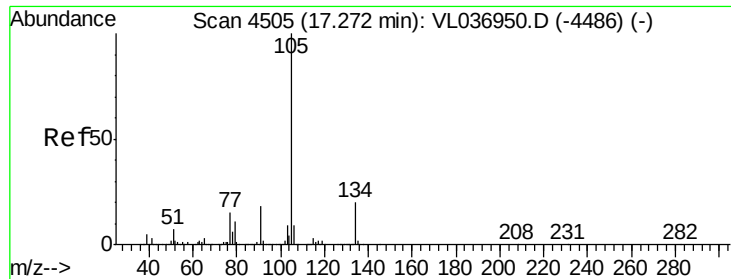
MMDadoda
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#66
 Benzyl Chloride
 Concen: 6.631 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 91 Resp: 217868
 Ion Ratio Lower Upper
 91 100
 126 18.4 16.5 24.7
 128 6.8 5.5 8.3





#67

sec-Butylbenzene

Concen: 8.881 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 7174642

Ion Ratio Lower Upper

105 100

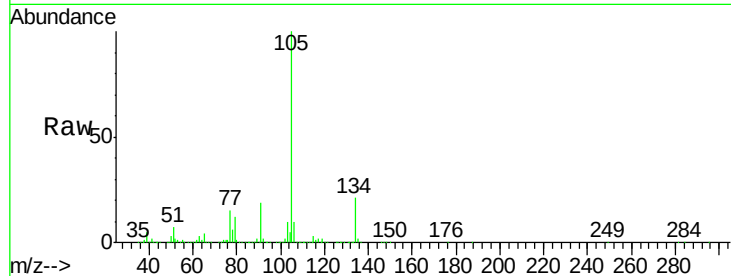
134 19.8 15.6 23.4

Manual Integrations

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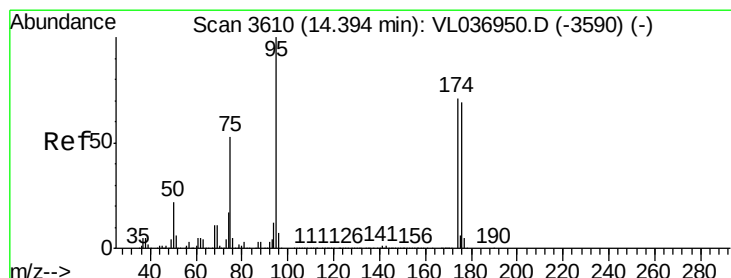
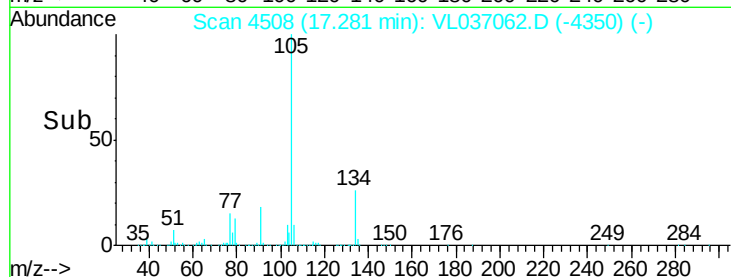
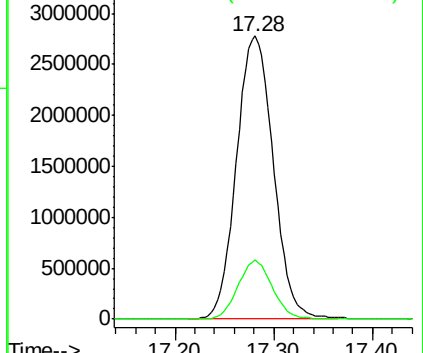
MMDadoda

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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: 10.018 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

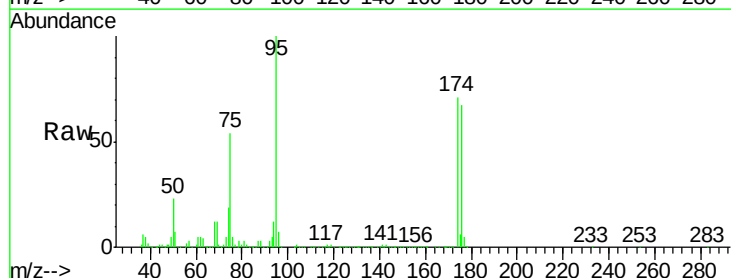
Tgt Ion: 95 Resp: 3088598

Ion Ratio Lower Upper

95 100

174 72.0 58.4 87.6

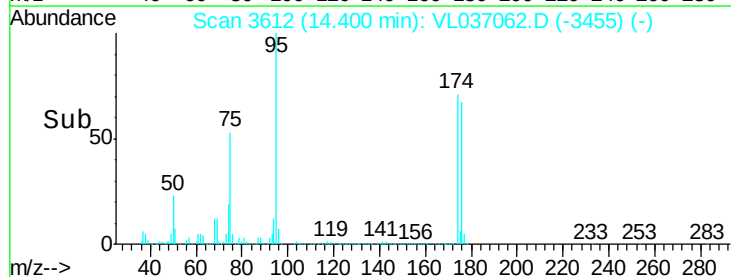
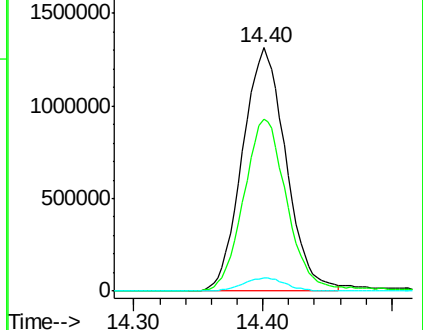
175 5.6 4.4 6.6

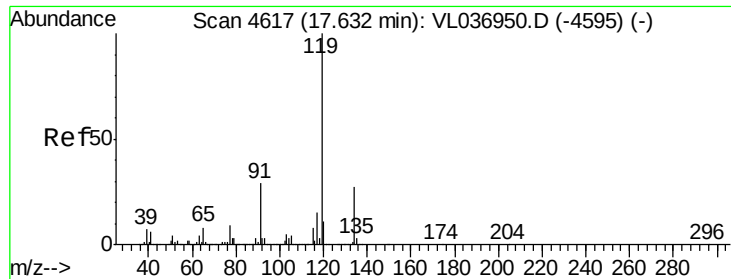


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





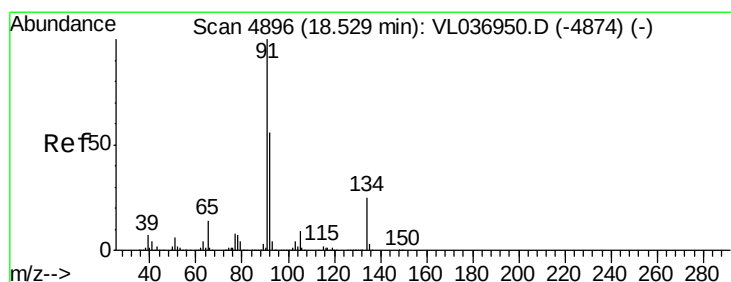
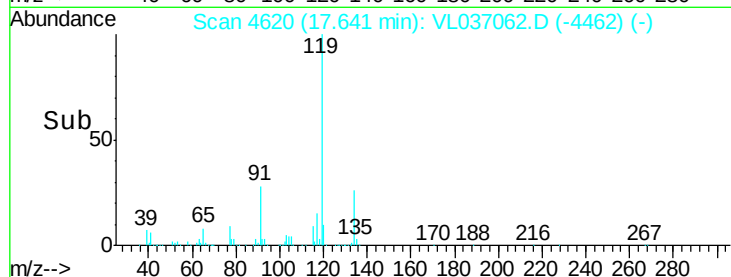
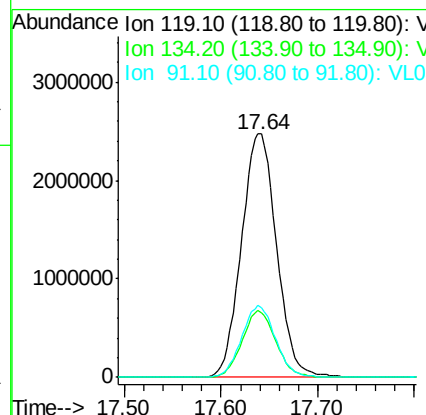
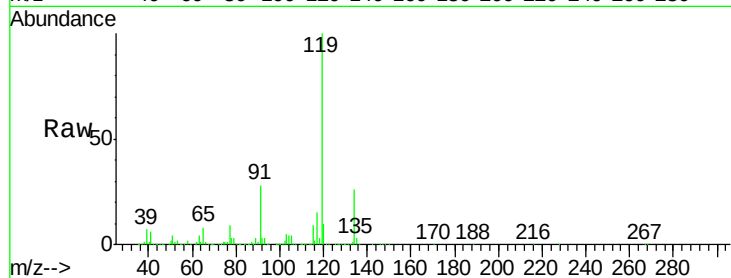
#69
p-Isopropyltoluene
Concen: 8.978 ppbv
RT: 17.64 min Scan# 4620
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 119 Resp: 6236154
Ion Ratio Lower Upper
119 100
134 26.3 21.2 31.8
91 28.5 22.2 33.4

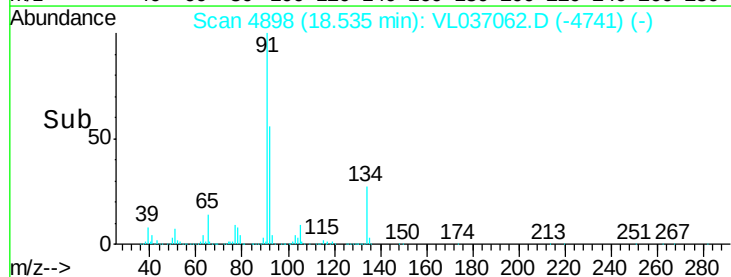
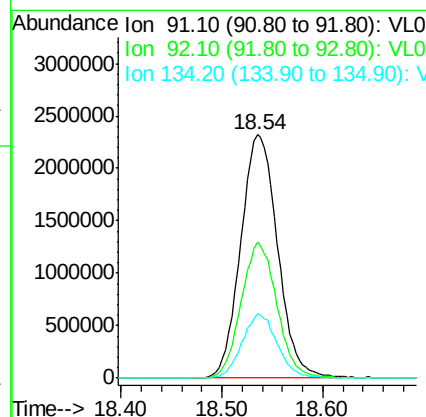
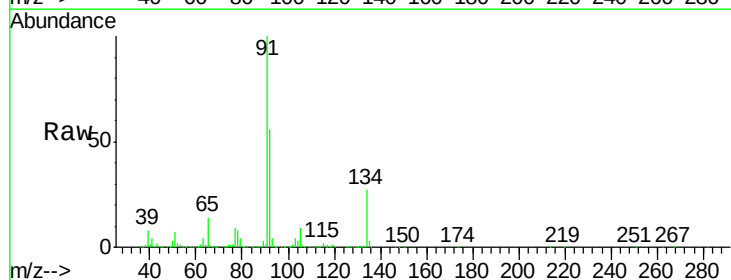
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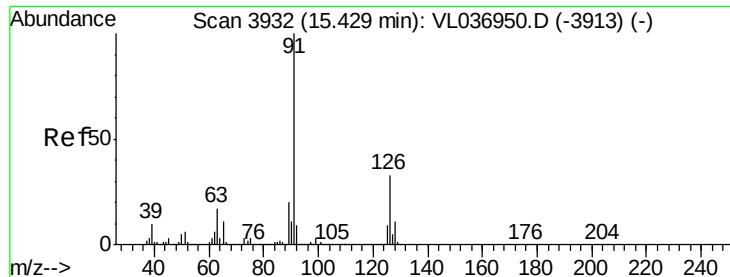
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#70
n-Butylbenzene
Concen: 8.911 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion: 91 Resp: 5879486
Ion Ratio Lower Upper
91 100
92 54.6 44.6 66.8
134 25.2 20.2 30.2





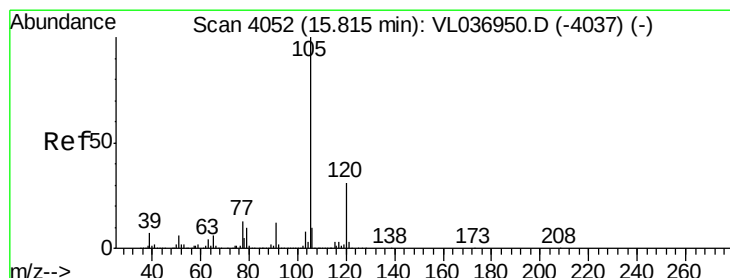
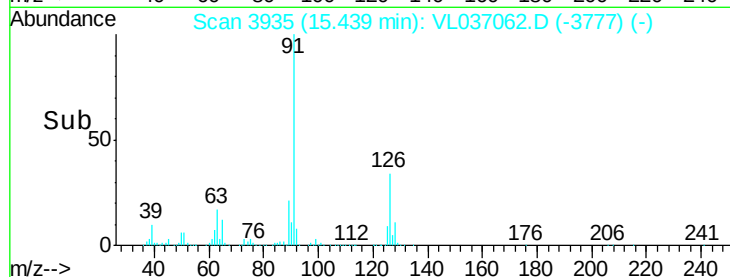
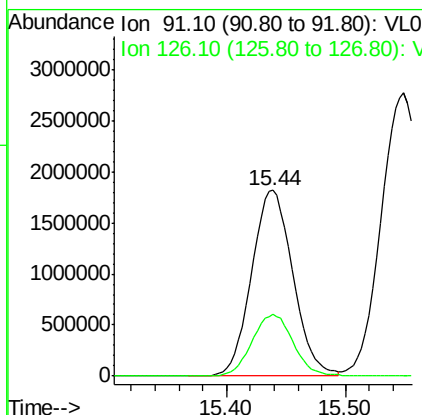
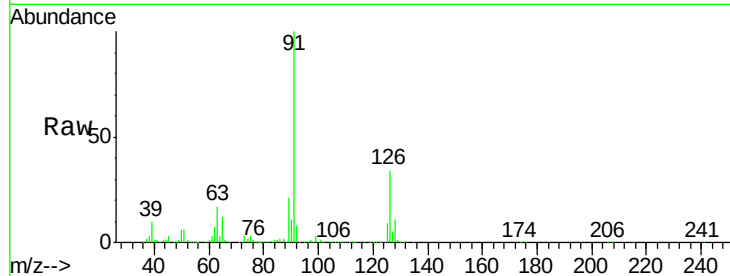
#71
 2-Chlorotoluene
 Concen: 9.215 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 91 Resp: 4367983
 Ion Ratio Lower Upper
 91 100
 126 33.8 13.1 52.5

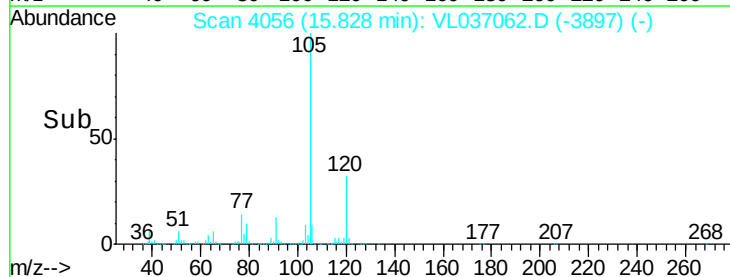
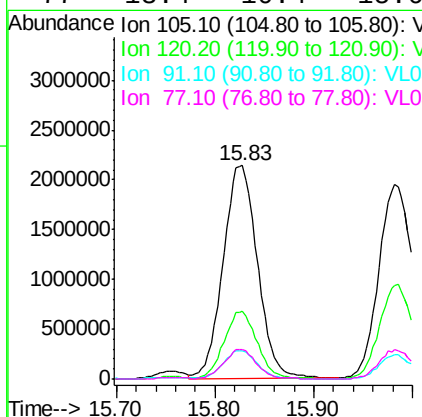
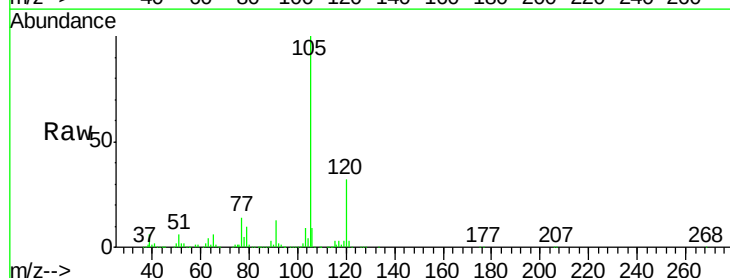
Manual Integrations
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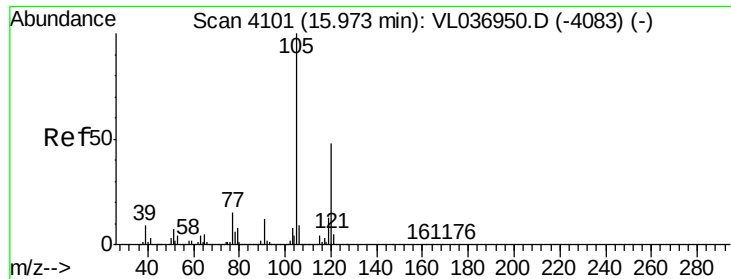
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 9.620 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion: 105 Resp: 5214022
 Ion Ratio Lower Upper
 105 100
 120 30.7 24.6 37.0
 91 12.7 9.8 14.6
 77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 9.217 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 4691044

Ion Ratio Lower Upper

105 100

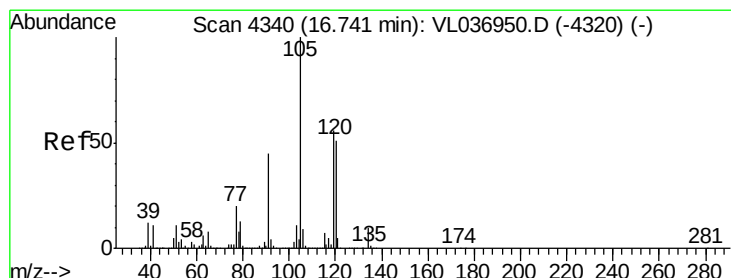
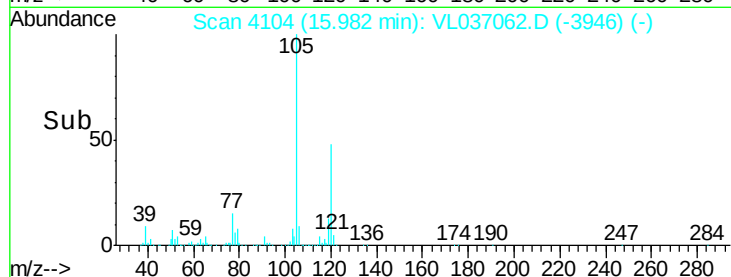
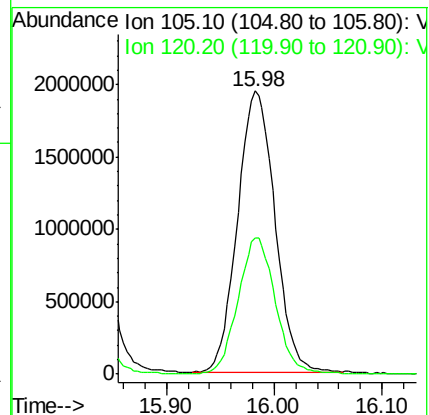
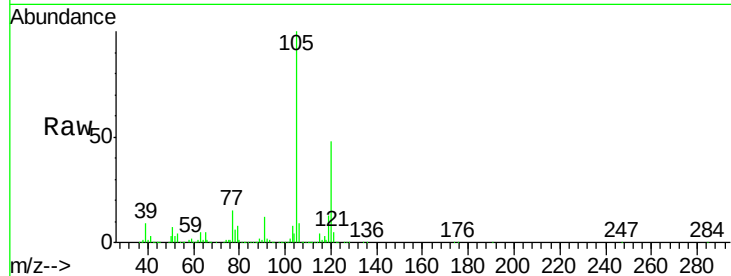
120 48.4 38.6 58.0

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#74

1,2,4-Trimethylbenzene

Concen: 9.275 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL037062.D

Acq: 25 May 2021 15:54

Tgt Ion:105 Resp: 4880963

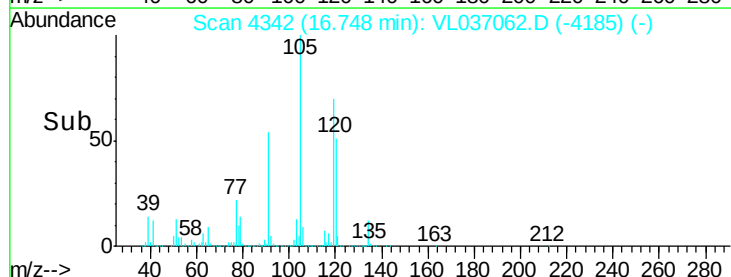
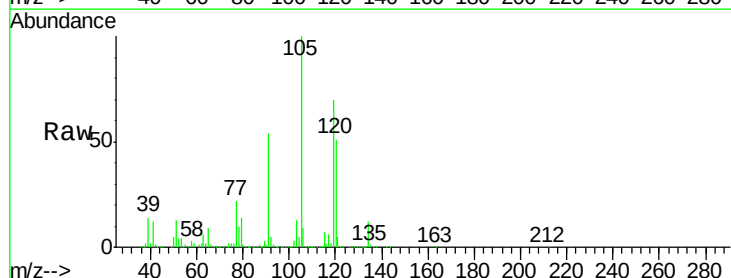
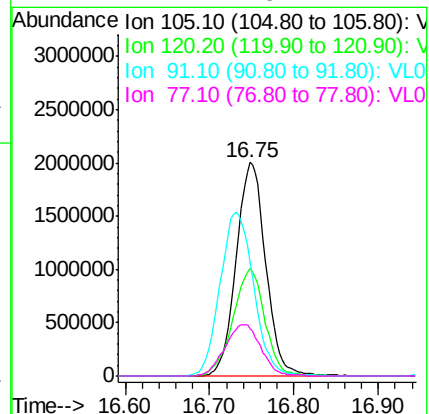
Ion Ratio Lower Upper

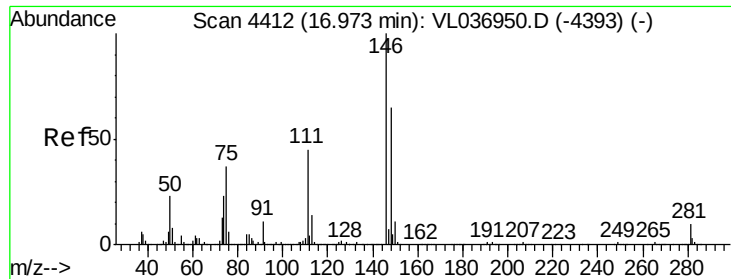
105 100

120 50.6 40.6 61.0

91 53.4 37.4 56.0

77 22.2 16.2 24.4





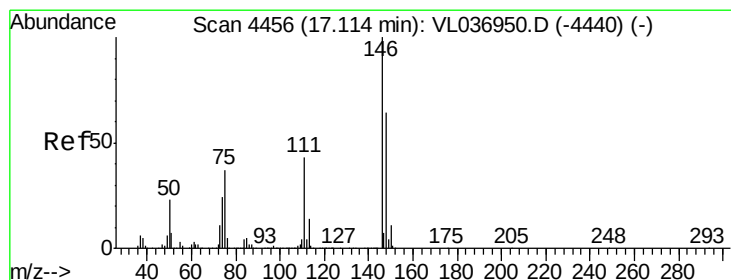
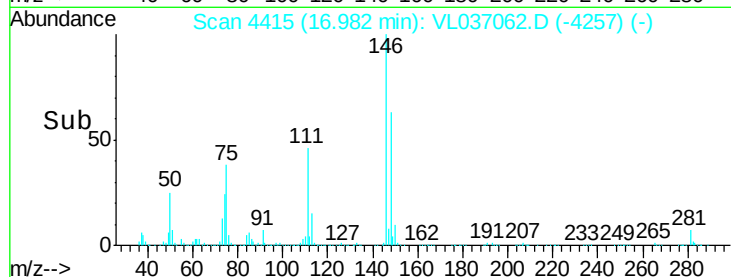
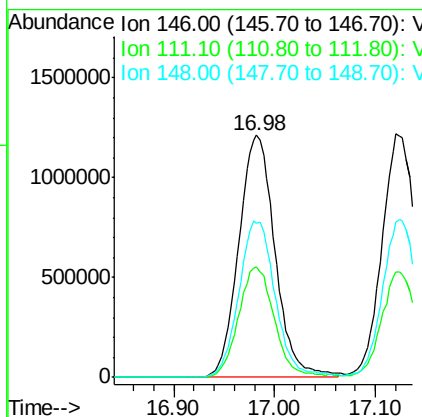
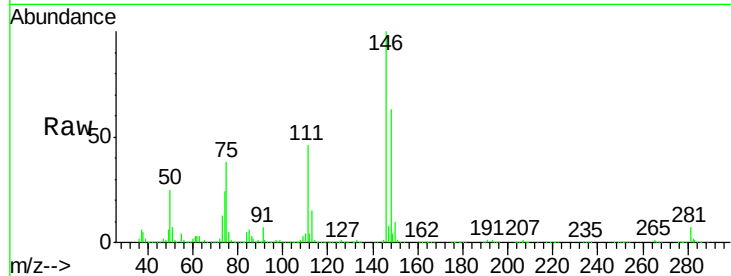
#75
 1,3-Dichlorobenzene
 Concen: 9.404 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 3021901
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.2 66.6
 148 64.8 32.3 96.8

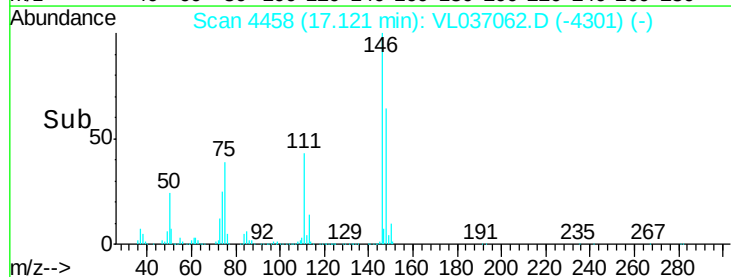
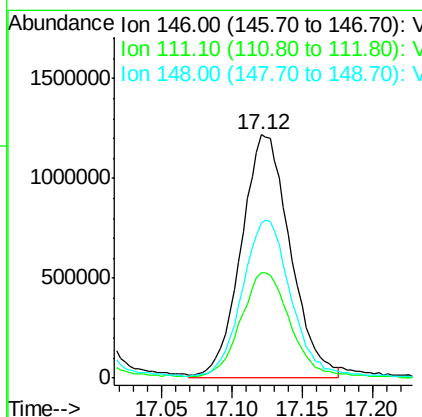
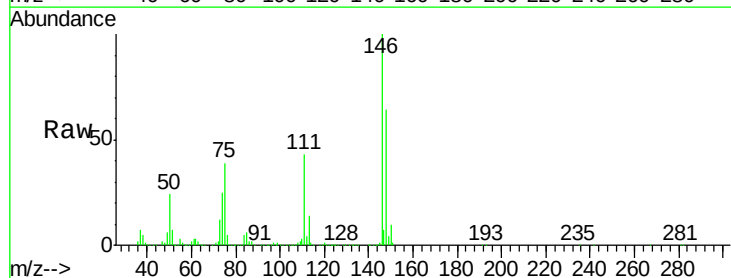
Manual Integrations
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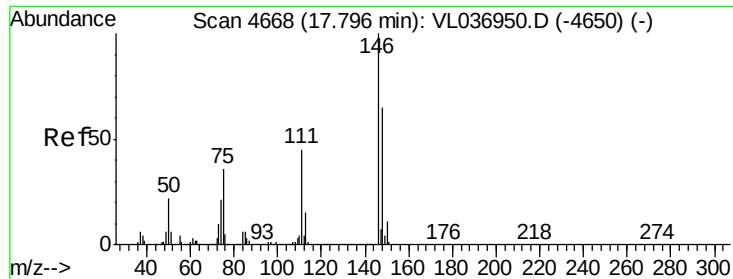
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#76
 1,4-Dichlorobenzene
 Concen: 9.083 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion:146 Resp: 2951099
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.6 67.7
 148 66.0 33.5 100.5





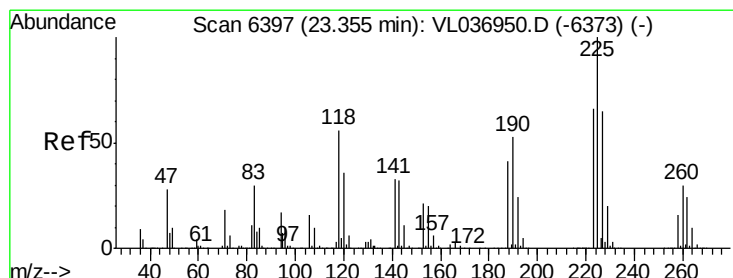
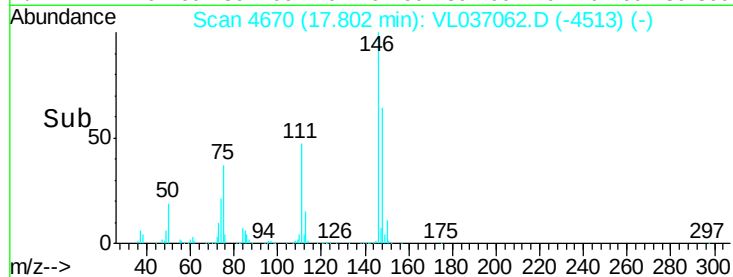
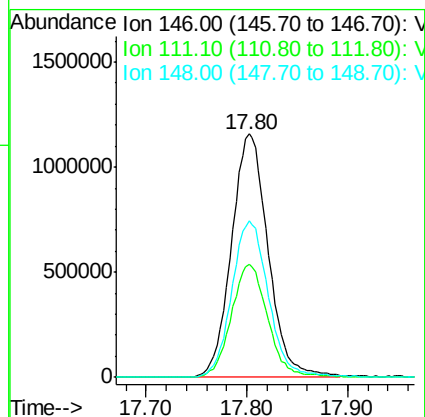
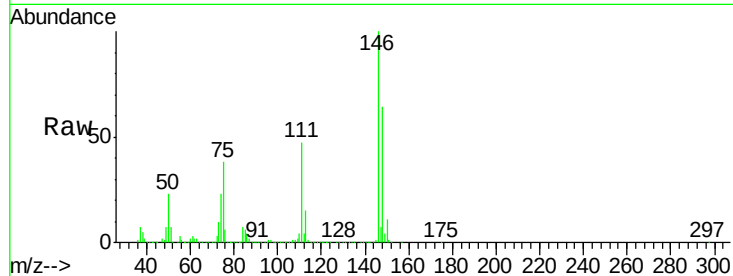
#77
 1,2-Dichlorobenzene
 Concen: 9.014 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2902349
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.1 69.2
 148 64.7 32.5 97.4

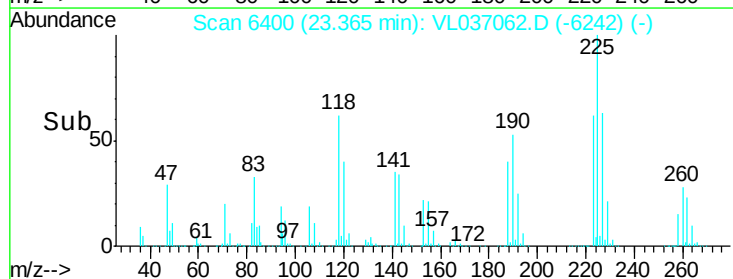
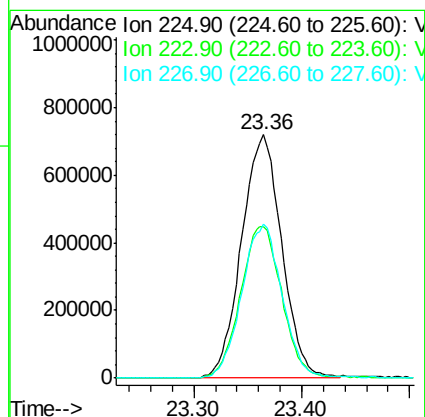
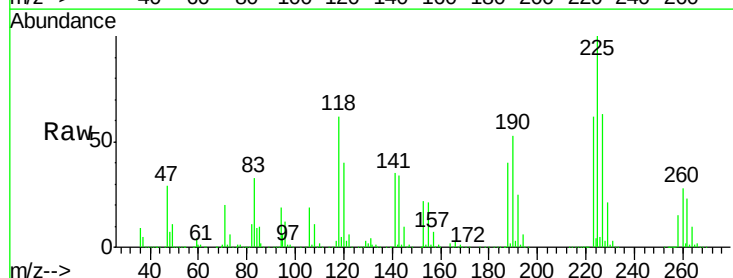
Manual Integrations
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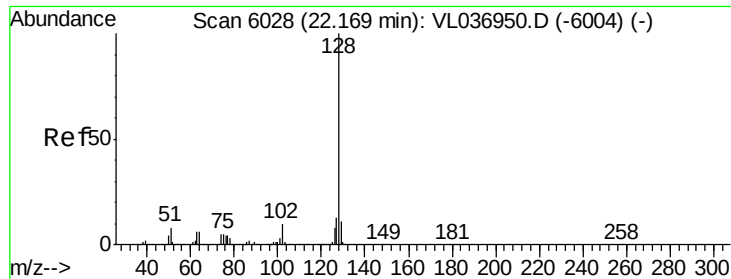
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.200 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Tgt Ion:225 Resp: 1864086
 Ion Ratio Lower Upper
 225 100
 223 64.7 51.9 77.9
 227 64.2 51.8 77.6





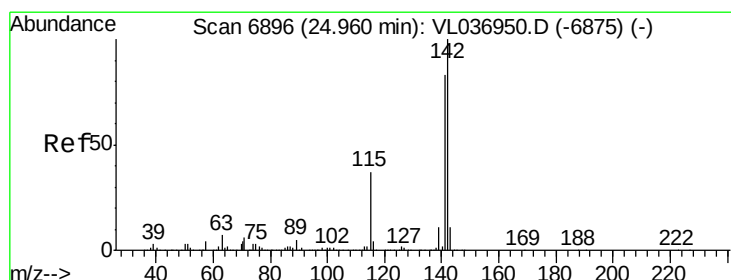
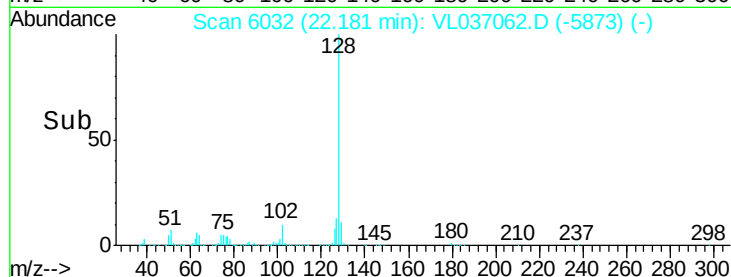
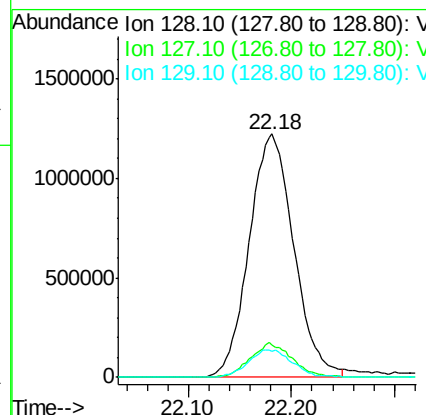
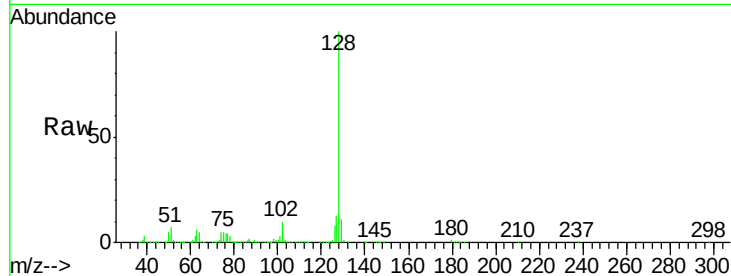
#79
Naphthalene
Concen: 8.896 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. 0.01 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3673162
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.8 9.0 13.6

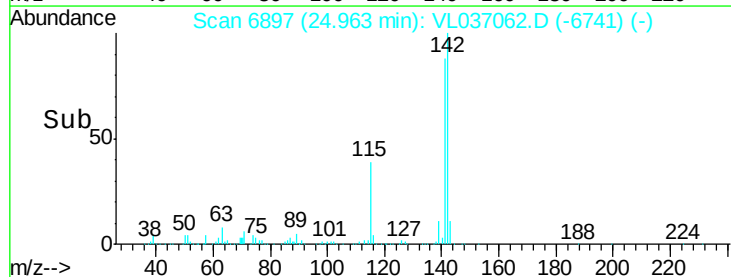
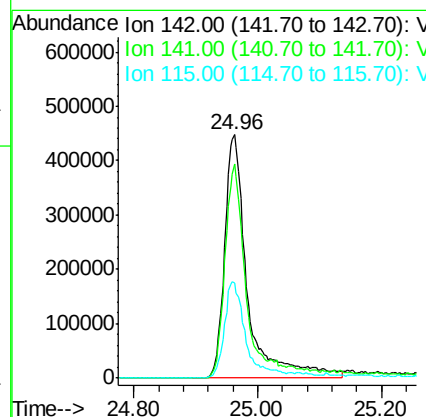
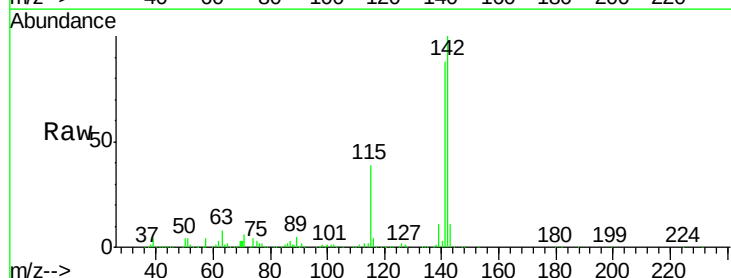
Manual Integrations
APPROVED

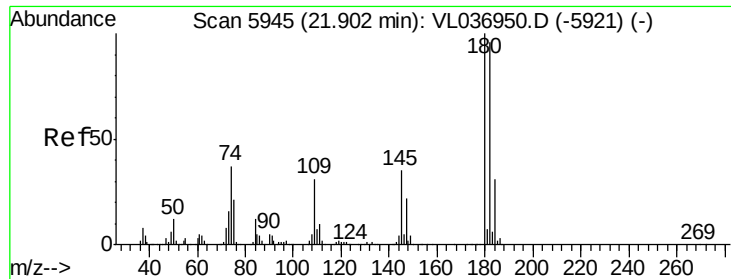
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5/27/2021 10:31:36 AM



#80
Naphthalene, 2-methyl-
Concen: 12.868 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL037062.D
Acq: 25 May 2021 15:54

Tgt Ion:142 Resp: 1155360
Ion Ratio Lower Upper
142 100
141 84.8 69.3 103.9
115 37.3 29.1 43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 8.506 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL037062.D
 Acq: 25 May 2021 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	81.7	122.5
184	31.0	24.9	37.3

Manual Integrations
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MMDadoda
 5/27/2021 10:31:36 AM

