

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037100.D
 Acq On : 2 Jun 2021 13:16
 Operator : SY/AP
 Sample : VL0602ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Manual Integrations
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MMDadoda
 6/7/2021 3:00:29 PM

Quant Time: Jun 03 03:32:19 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	1451725	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4356346	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4163554m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3198978	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2227988	9.047	ppbv	99
3) Chlorodifluoromethane	2.97	51	2568763	9.658	ppbv	95
4) Chloromethane	3.13	50	890556	9.840	ppbv	97
5) Vinyl Chloride	3.24	62	909684	9.196	ppbv	99
6) Bromomethane	3.46	94	573784	11.007	ppbv	97
7) Chloroethane	3.54	64	346391	10.784	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2362106	10.215	ppbv	94
9) Propene	3.00	41	810801	8.514	ppbv	99
10) Heptane	8.10	43	2108441	8.884	ppbv	99
11) Trichlorofluoromethane	3.93	101	2555278	11.210	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1754162	10.803	ppbv	96
13) Ethanol	3.60	45	75841	5.969	ppbv	90
14) Bromoethene	3.73	108	756040	10.571	ppbv	100
15) Acetone	3.84	43	1245024	8.373	ppbv	97
16) 1,3-Butadiene	3.31	39	925034	10.013	ppbv	96
17) tert-Butyl alcohol	4.28	59	1314909	9.654	ppbv	99
18) 1,1-Dichloroethene	4.27	96	787303	10.486	ppbv	98
19) Isopropyl Alcohol	3.96	45	723173	9.047	ppbv #	35
20) Methylene Chloride	4.33	84	634191	7.957	ppbv	97
21) Allyl Chloride	4.40	41	1086599	9.687	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	798690	11.099	ppbv	96
23) Vinyl Acetate	5.06	43	2281941	9.669	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1621522	9.545	ppbv	99
25) Ethyl Acetate	5.66	43	3300473	9.237	ppbv	100
26) Hexane	5.67	57	1577730	8.643	ppbv	97
27) Carbon Disulfide	4.54	76	1814136	9.861	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1952328	8.923	ppbv	99
29) Chloroform	5.74	83	2641931	10.245	ppbv	99
30) Cyclohexane	7.11	84	1411903	9.102	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1611378	9.846	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2735851	9.880	ppbv	99
34) 2-Butanone	5.23	43	1574314	9.925	ppbv	100
35) Carbon Tetrachloride	7.00	117	2955916	10.212	ppbv	97
36) Benzene	6.87	78	3345477	8.916	ppbv	98
37) 1,2-Dichloroethane	6.29	62	2020699	10.862	ppbv	99
38) Trichloroethene	7.82	130	1452732	9.050	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1280011	8.855	ppbv	93
40) 1,4-Dioxane	7.82	88	322204	9.440	ppbv #	100
41) Tetrahydrofuran	6.03	42	769155	8.514	ppbv	97
42) Bromodichloromethane	7.77	83	2838979	10.087	ppbv	99
43) Methyl Methacrylate	8.00	69	1221469	9.445	ppbv	98

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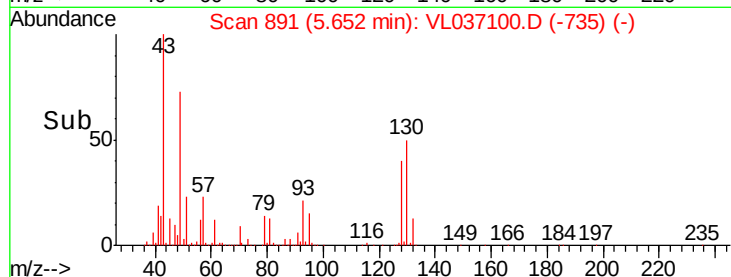
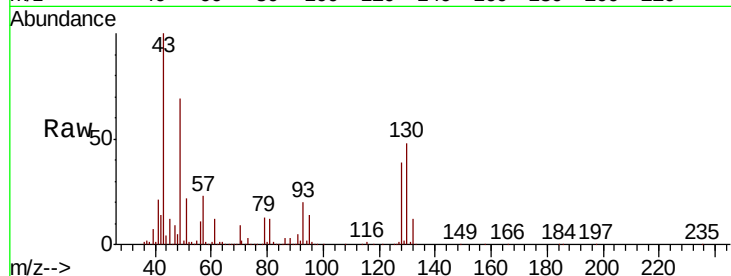
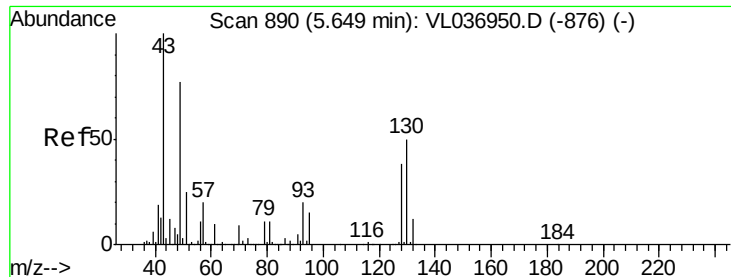
Manual Integrations
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Quant Time: Jun 03 03:32:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5494236	8.534	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1154275	11.682	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1473467	11.087	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1461289	9.659	ppbv	98
48) Dibromochloromethane	10.29	129	2610846	10.658	ppbv	98
49) Bromoform	13.02	173	2169203	10.723	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2415626	9.229	ppbv	98
51) 2-Hexanone	10.12	43	1274913	9.213	ppbv #	95
52) Tetrachloroethene	11.20	164	1429826	9.582	ppbv	98
53) Toluene	9.79	91	4046905	9.064	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2210786	10.278	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1782211	10.173	ppbv #	56
57) Chlorobenzene	12.13	112	3178955	9.847	ppbv	99
58) Ethyl Benzene	12.69	91	5488192	9.339	ppbv	98
59) m/p-Xylene	12.98	91	9277670m	19.100	ppbv	
60) o-Xylene	13.67	91	4402990	9.504	ppbv	99
61) Styrene	13.51	104	2563089	9.821	ppbv	97
62) Isopropylbenzene	14.65	105	6212635	9.331	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2994624	8.655	ppbv	99
64) n-propylbenzene	15.54	120	1683856	9.802	ppbv	100
65) tert-Butylbenzene	16.73	119	5686852	9.466	ppbv	99
66) Benzyl Chloride	16.97	91	262347	7.870	ppbv	96
67) sec-Butylbenzene	17.28	105	7533023	9.191	ppbv	99
69) p-Isopropyltoluene	17.63	119	6571894	9.326	ppbv	99
70) n-Butylbenzene	18.53	91	6185153	9.240	ppbv	99
71) 2-Chlorotoluene	15.43	91	4544388	9.450	ppbv	99
72) 4-Ethyltoluene	15.82	105	5410069	9.839	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4895905	9.482	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	5084614	9.524	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	3187557	9.778	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	3145998	9.544	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3060302	9.368	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1946952	7.412	ppbv	99
79) Naphthalene	22.17	128	3787903	9.043	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	957593	10.513	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	2188899	8.572	ppbv	99

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



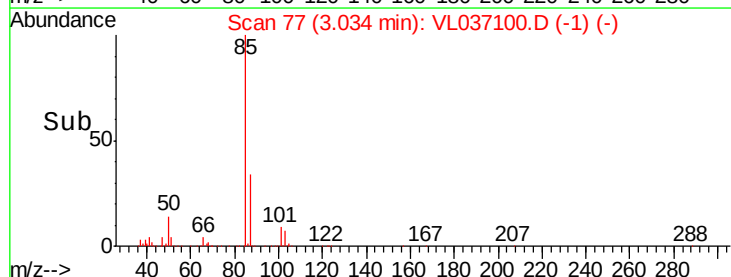
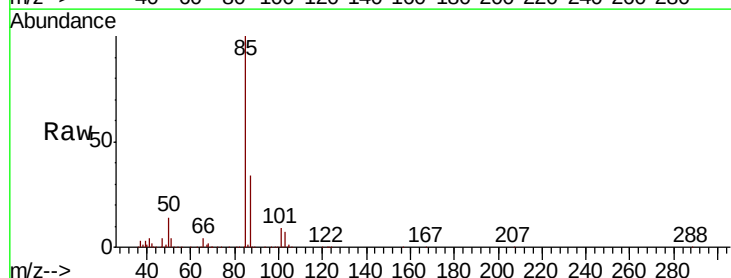
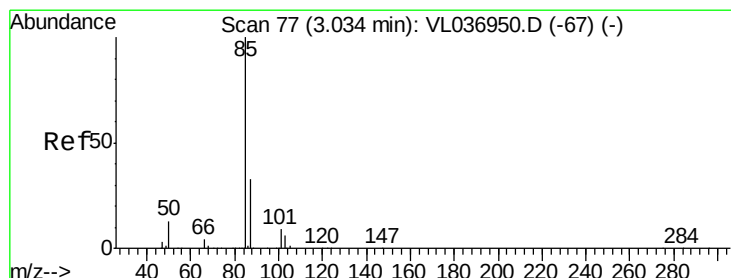
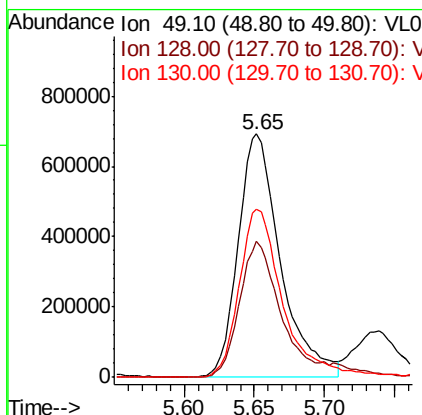
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tot Ion: 49 Resp: 1451725
Ion Ratio Lower Upper
49 100
128 59.9 26.9 80.7
130 73.3 33.8 101.4

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

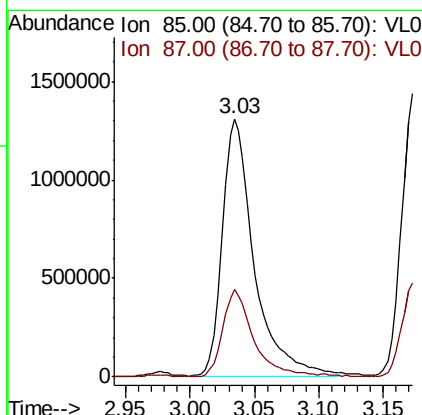
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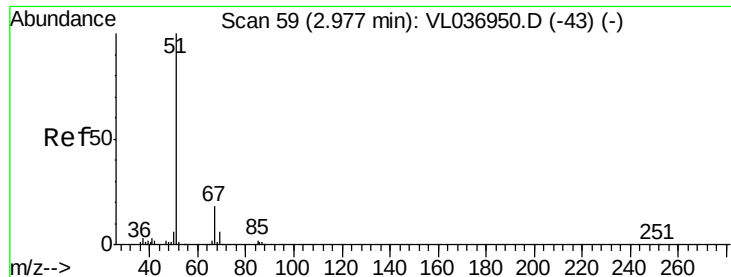
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#2
Dichlorodifluoromethane
Concen: 9.047 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion: 85 Resp: 2227988
Ion Ratio Lower Upper
85 100
87 33.9 26.6 39.8





#3

Chlorodifluoromethane

Concen: 9.658 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 51 Resp: 2568763

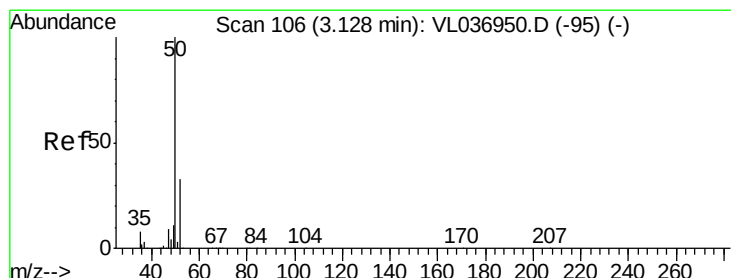
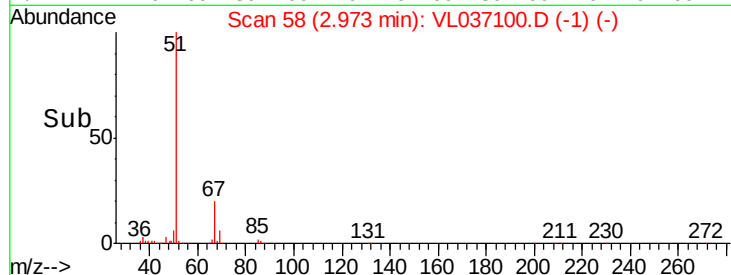
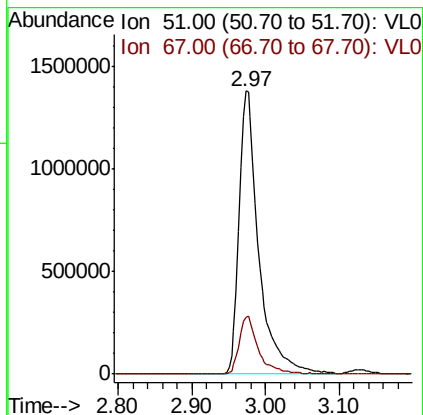
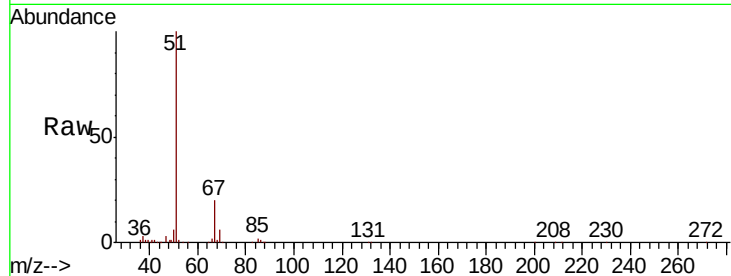
Ion Ratio Lower Upper

51 100

67 20.3 14.6 21.8

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#4

Chloromethane

Concen: 9.840 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037100.D

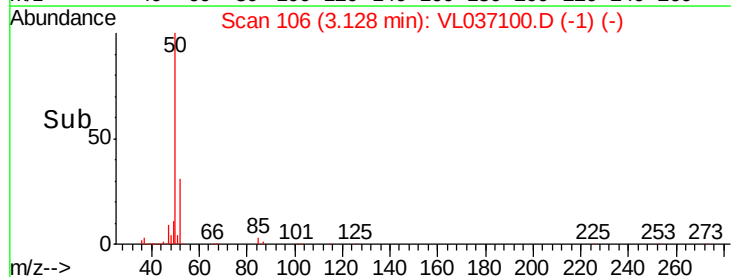
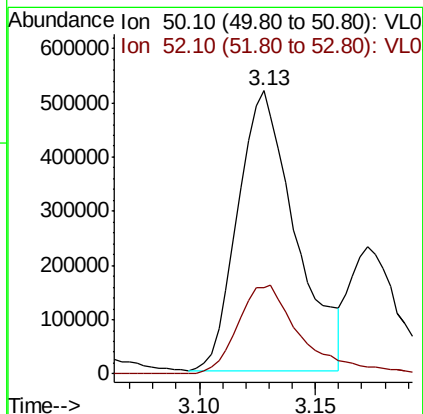
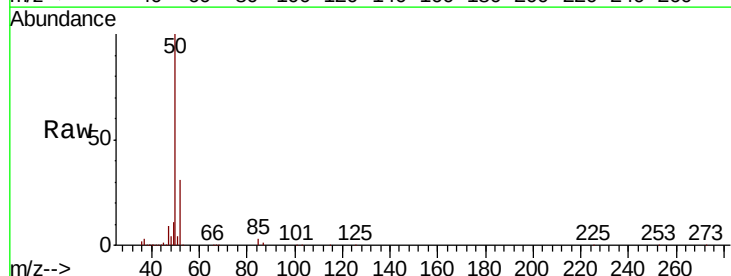
Acq: 2 Jun 2021 13:16

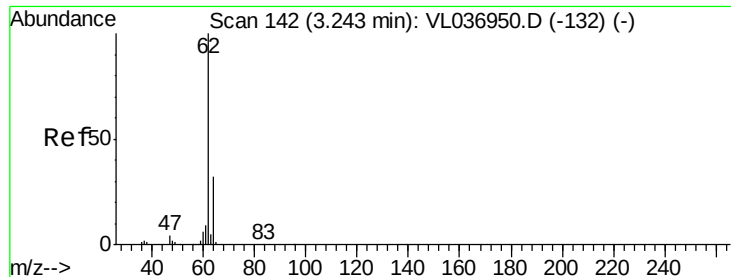
Tgt Ion: 50 Resp: 890556

Ion Ratio Lower Upper

50 100

52 30.9 26.1 39.1





#5

Vinyl Chloride

Concen: 9.196 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 62 Resp: 909684

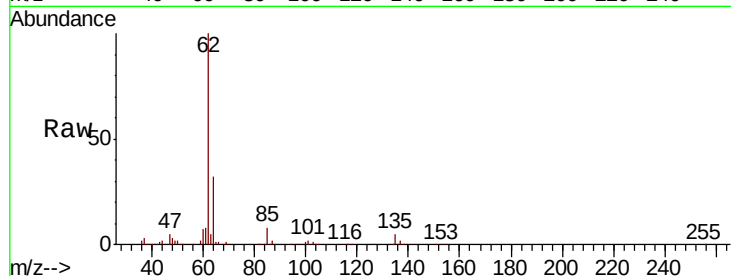
Ion Ratio Lower Upper

62 100

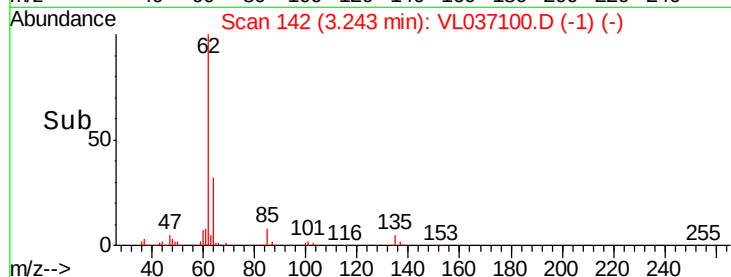
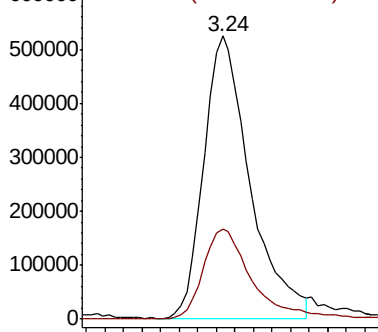
64 32.0 25.9 38.9

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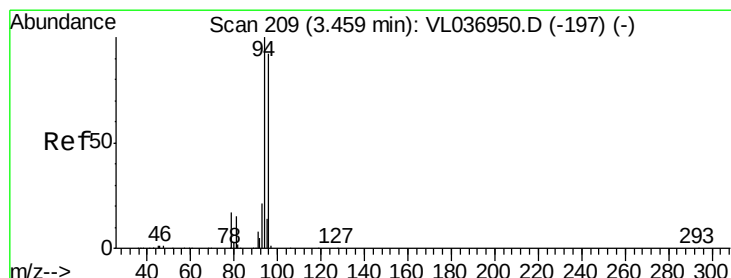
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Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 11.007 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037100.D

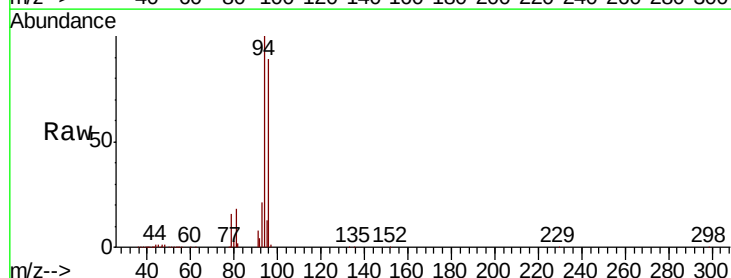
Acq: 2 Jun 2021 13:16

Tgt Ion: 94 Resp: 573784

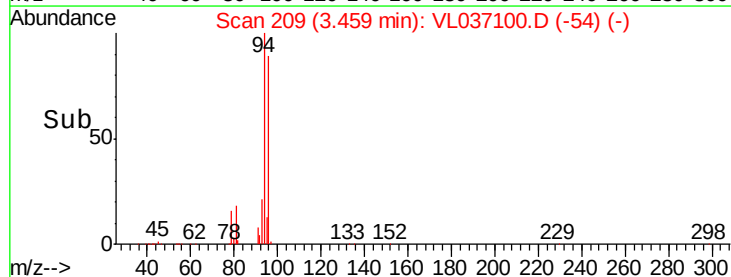
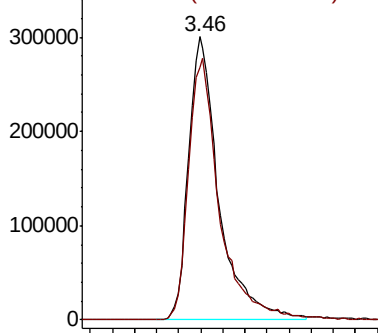
Ion Ratio Lower Upper

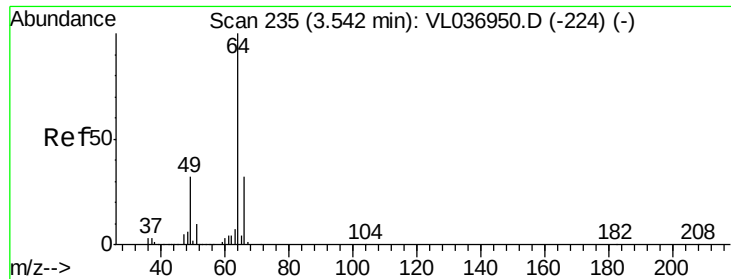
94 100

96 89.2 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0
Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.784 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 64 Resp: 346391

Ion Ratio Lower Upper

64 100

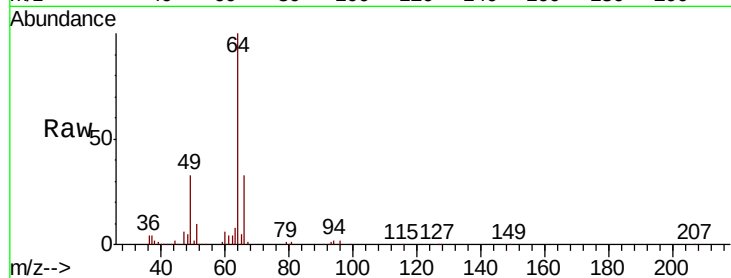
66 32.5 25.4 38.2

Manual Integrations

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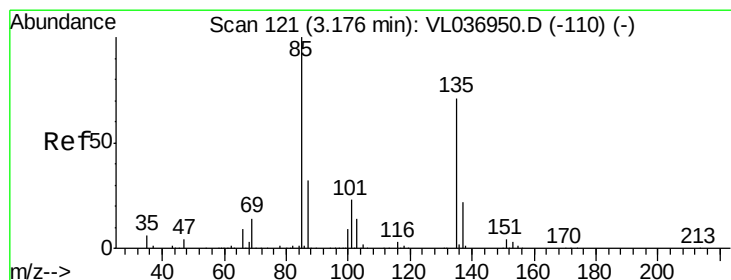
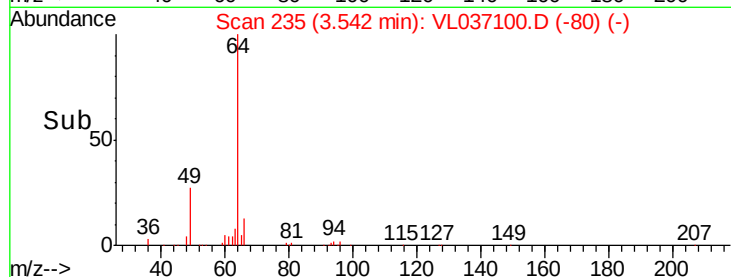
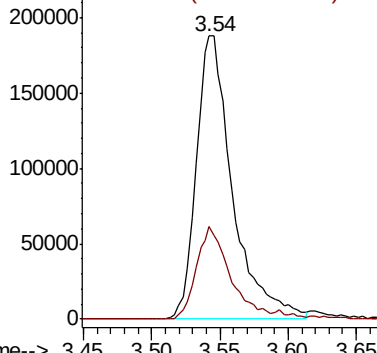
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.215 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL037100.D

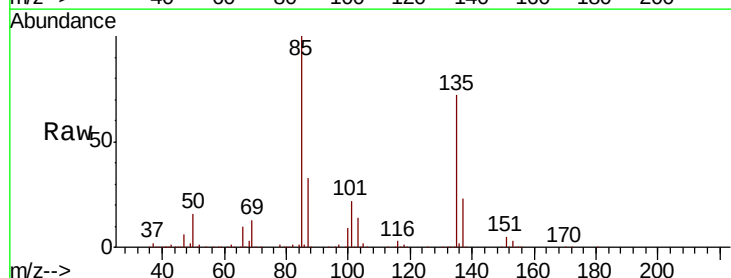
Acq: 2 Jun 2021 13:16

Tgt Ion: 85 Resp: 2362106

Ion Ratio Lower Upper

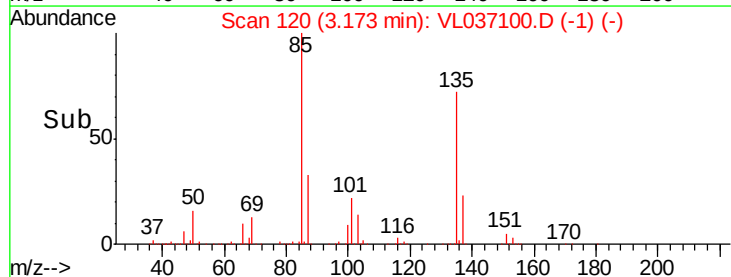
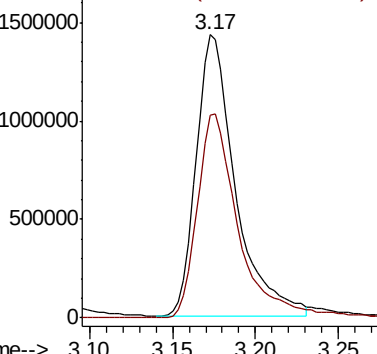
85 100

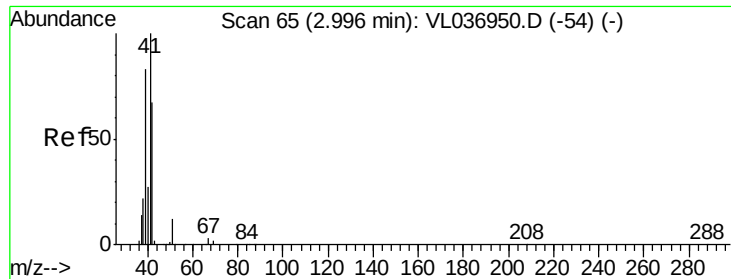
135 77.0 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





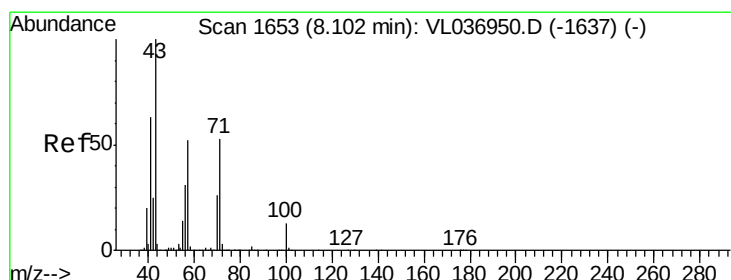
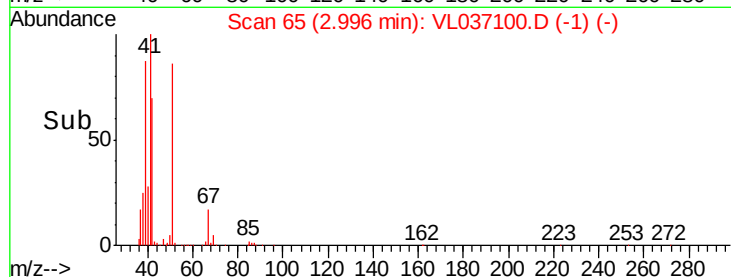
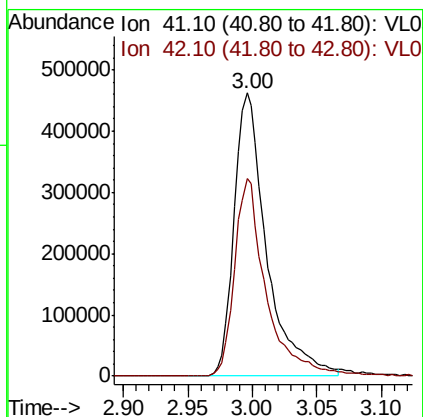
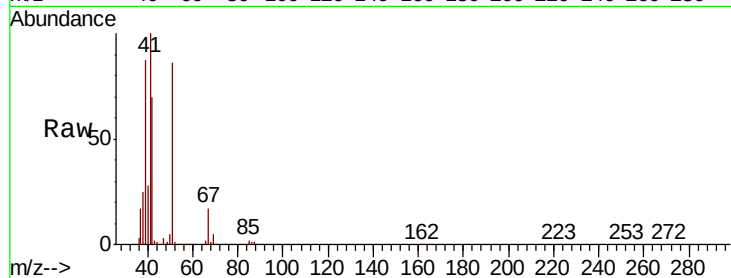
#9
 Propene
 Concen: 8.514 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. -0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Tot Ion: 41 Resp: 810801
 Ion Ratio Lower Upper
 41 100
 42 68.5 53.9 80.9

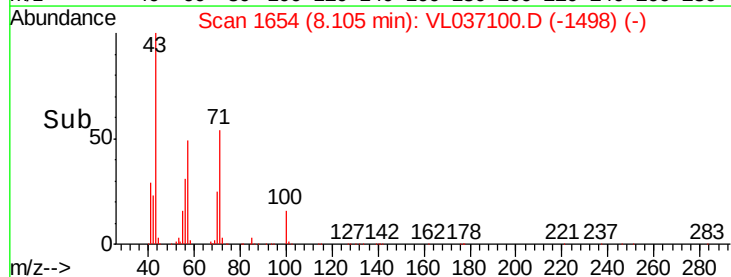
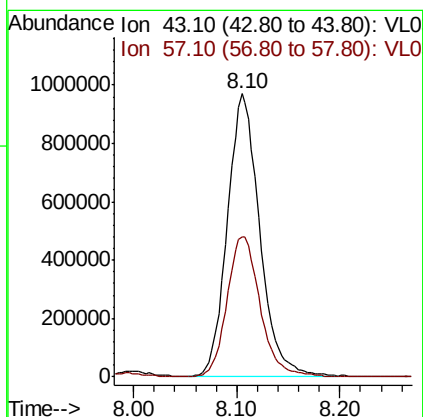
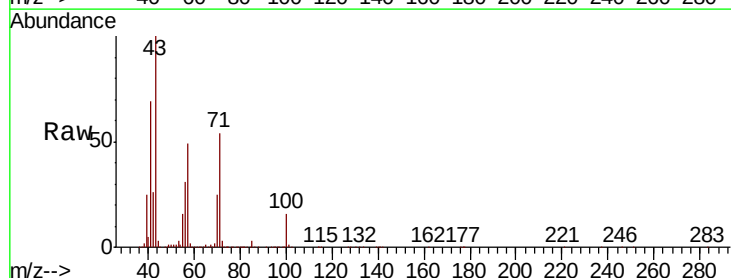
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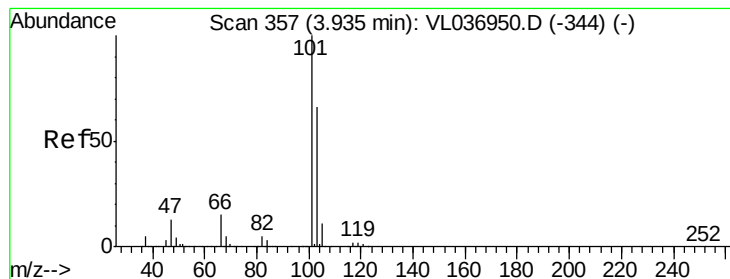
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#10
 Heptane
 Concen: 8.884 ppbv
 RT: 8.10 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Tgt Ion: 43 Resp: 2108441
 Ion Ratio Lower Upper
 43 100
 57 50.6 41.0 61.6





#11

Trichlorofluoromethane

Concen: 11.210 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion:101 Resp: 2555278

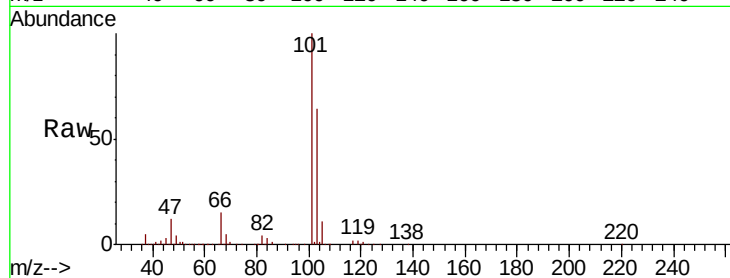
Ion Ratio Lower Upper

101 100

103 64.4 52.6 79.0

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Abundance Ion 101.00 (100.70 to 101.70): V

1500000 Ion 103.00 (102.70 to 103.70): V

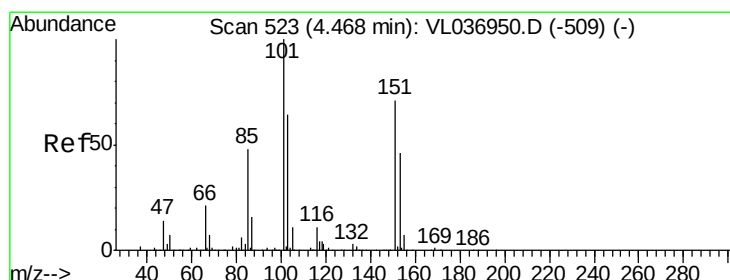
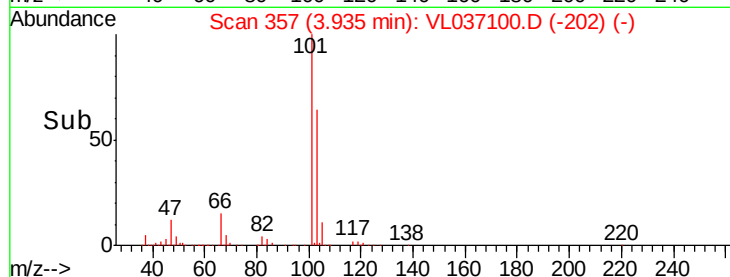
3.93

1000000

500000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.803 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL037100.D

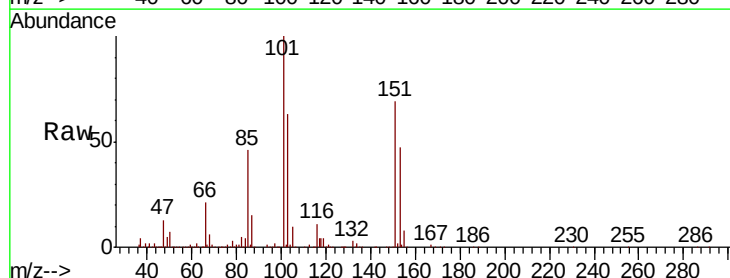
Acq: 2 Jun 2021 13:16

Tgt Ion:101 Resp: 1754162

Ion Ratio Lower Upper

101 100

151 75.6 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

1000000 Ion 151.00 (150.70 to 151.70): V

4.47

800000

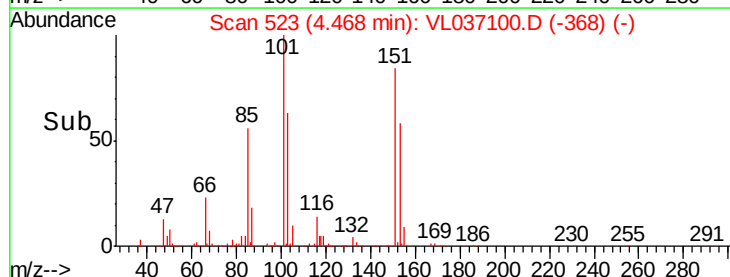
600000

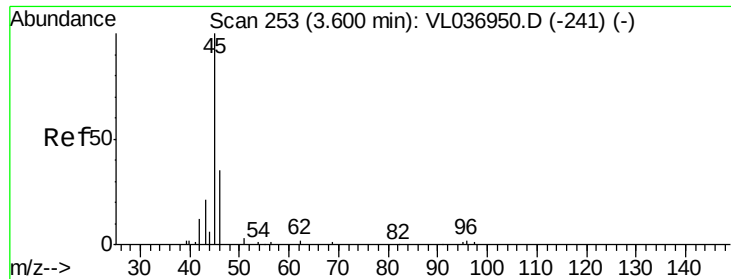
400000

200000

0

Time-->





#13

Ethanol

Concen: 5.969 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 45 Resp: 75841

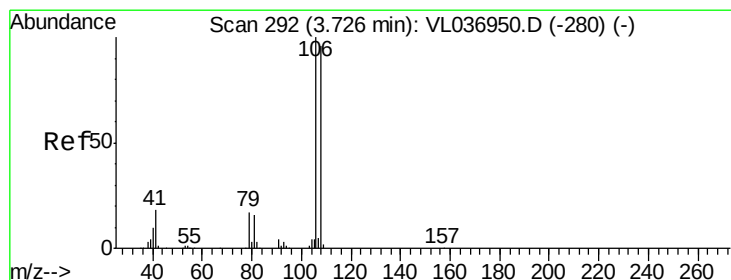
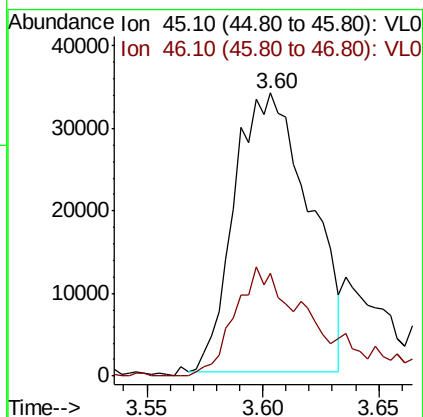
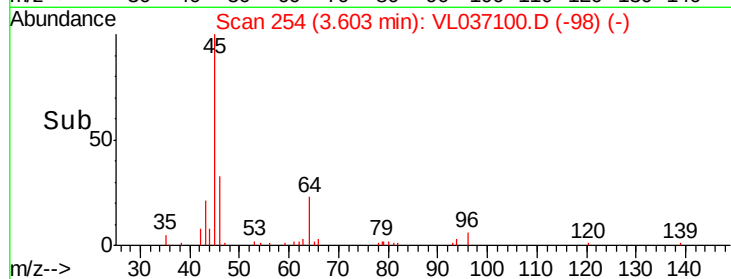
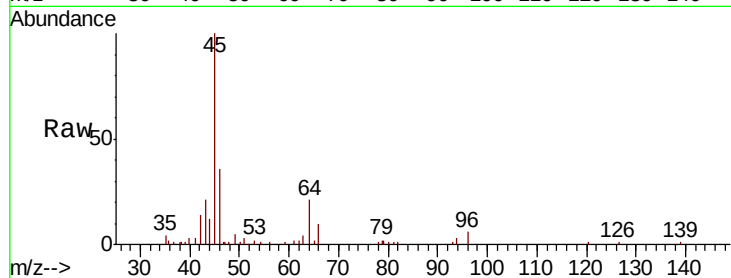
Ion Ratio Lower Upper

45 100

46 46.9 16.3 65.3

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#14

Bromoethene

Concen: 10.571 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

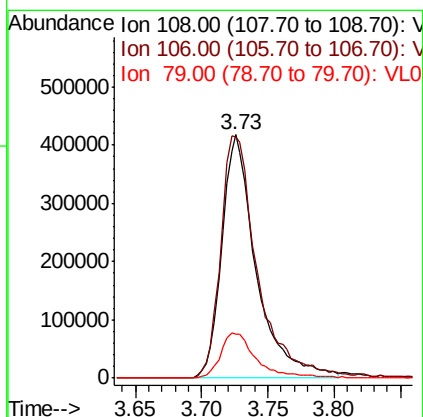
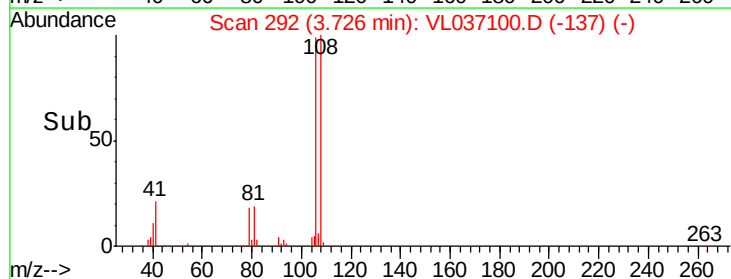
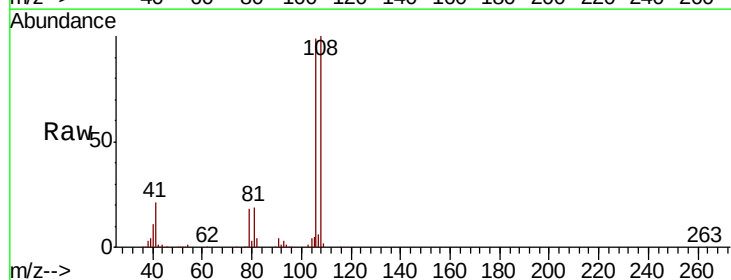
Tgt Ion: 108 Resp: 756040

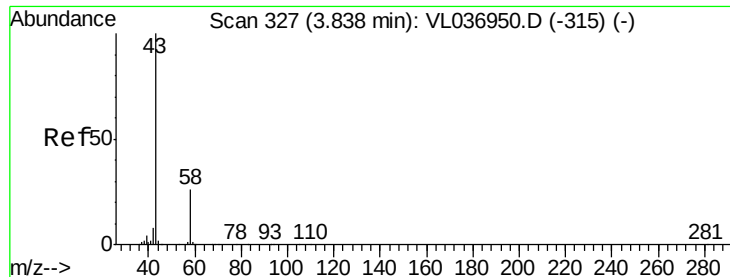
Ion Ratio Lower Upper

108 100

106 108.0 86.5 129.7

79 19.9 15.0 22.4





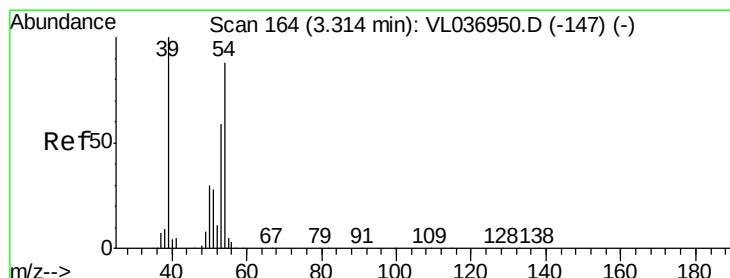
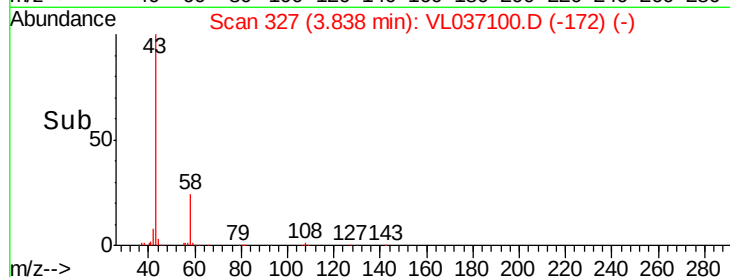
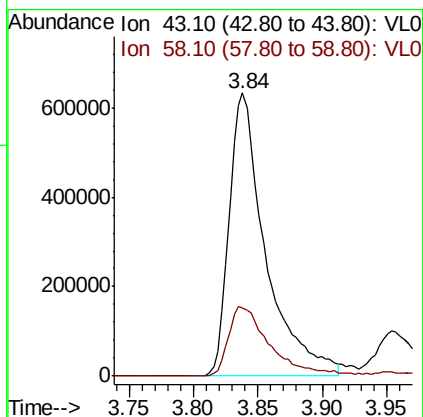
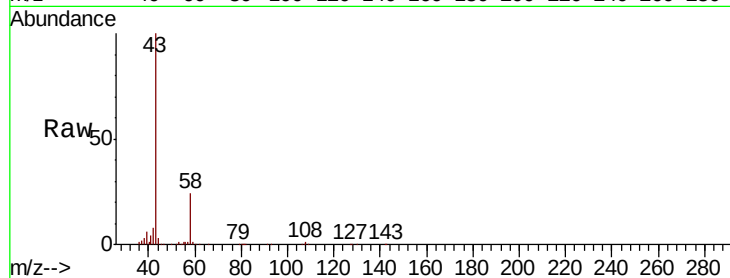
#15
Acetone
Concen: 8.373 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion: 43 Resp: 1245024
Ion Ratio Lower Upper
43 100
58 28.2 24.0 36.0

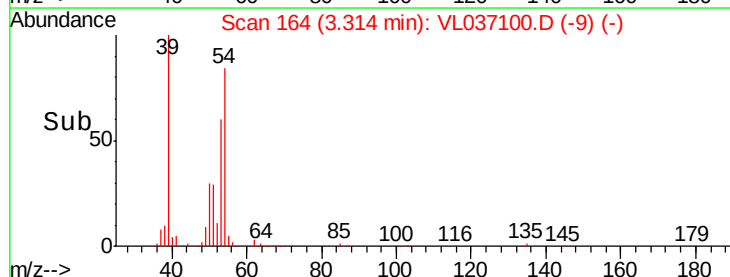
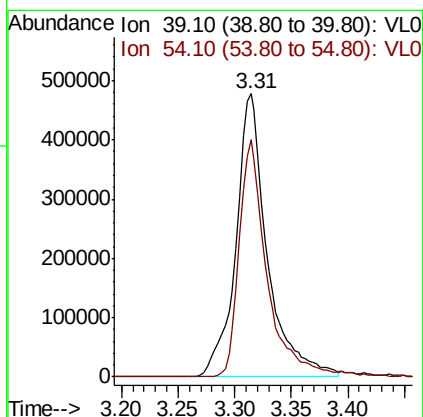
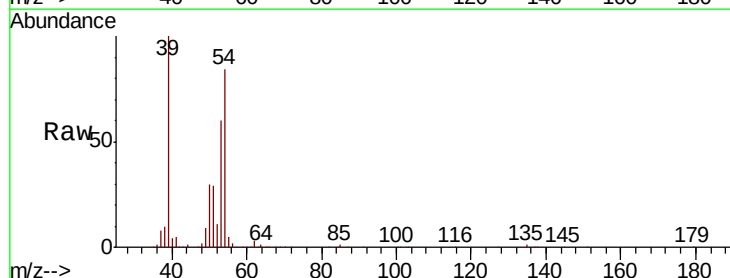
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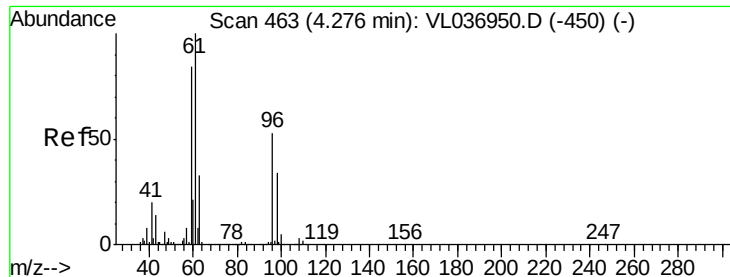
MMDadoda
6/7/2021 3:00:29 PM



#16
1,3-Butadiene
Concen: 10.013 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion: 39 Resp: 925034
Ion Ratio Lower Upper
39 100
54 75.5 63.2 94.8





#17

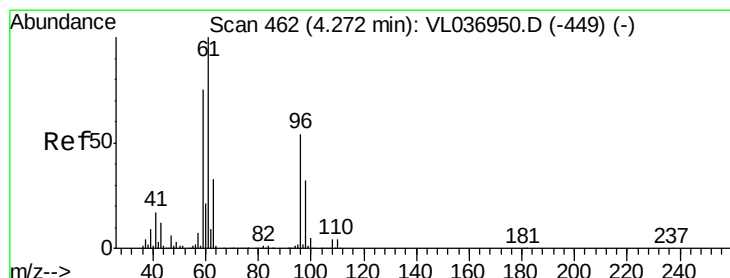
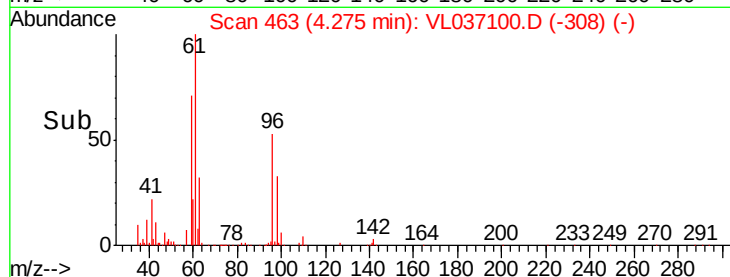
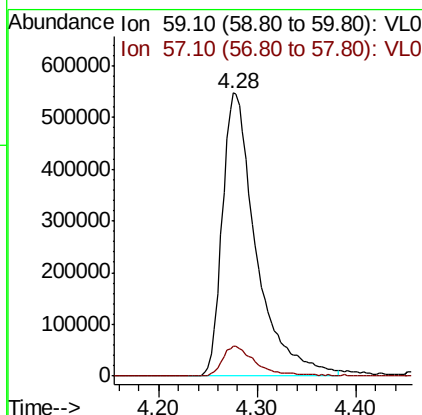
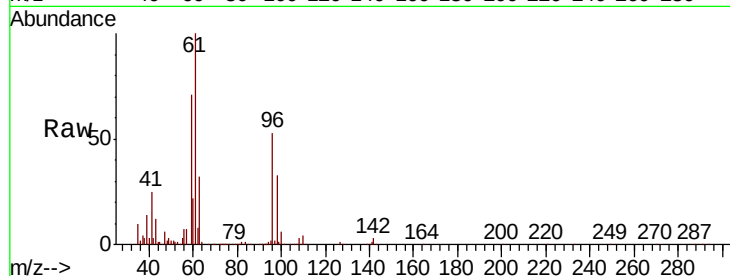
tert-Butyl alcohol
Concen: 9.654 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion: 59 Resp: 1314909
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5

Manual Integrations
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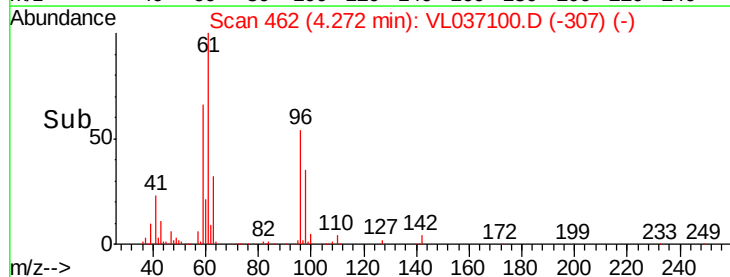
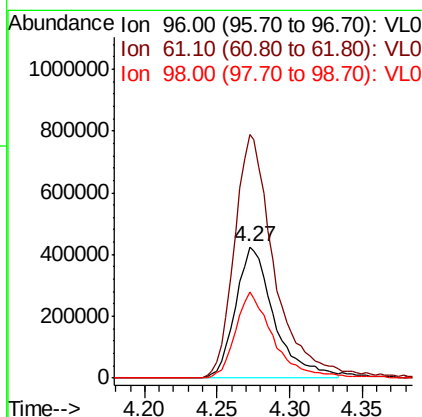
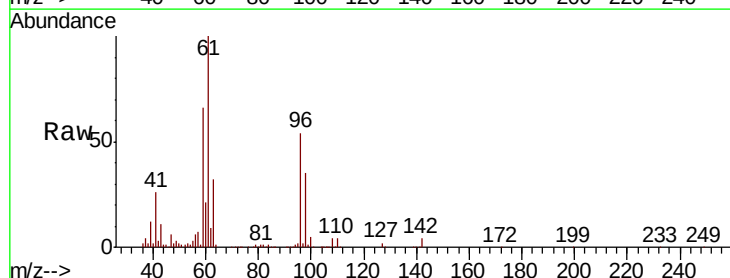
MMDadoda
6/7/2021 3:00:29 PM

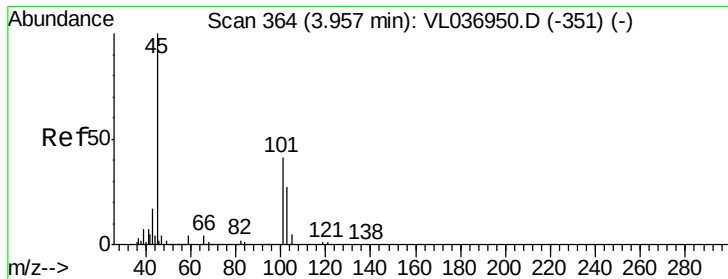


#18

1,1-Dichloroethene
Concen: 10.486 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion: 96 Resp: 787303
Ion Ratio Lower Upper
96 100
61 185.6 148.2 222.4
98 65.8 47.8 71.6





#19

Isopropyl Alcohol

Concen: 9.047 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 45 Resp: 723173

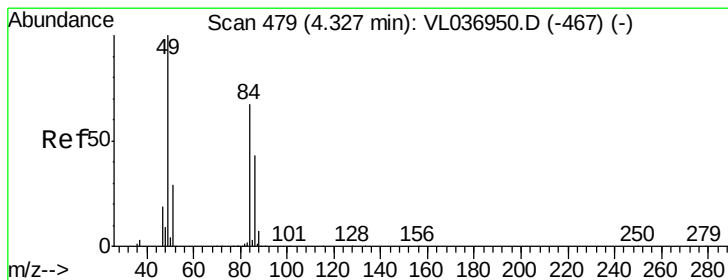
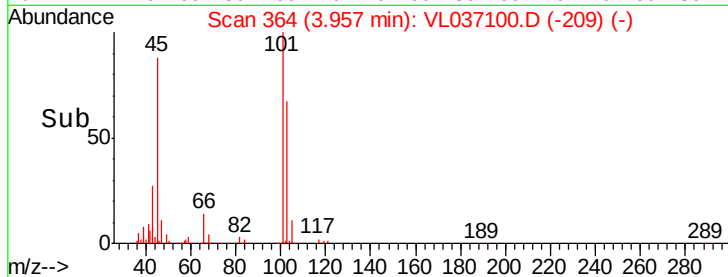
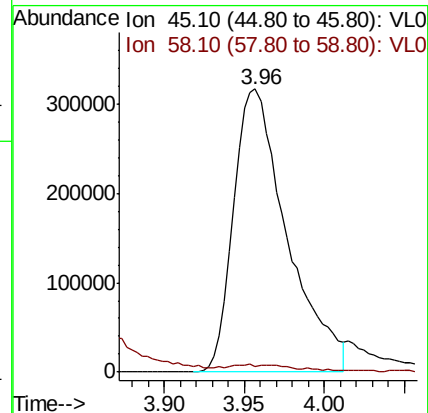
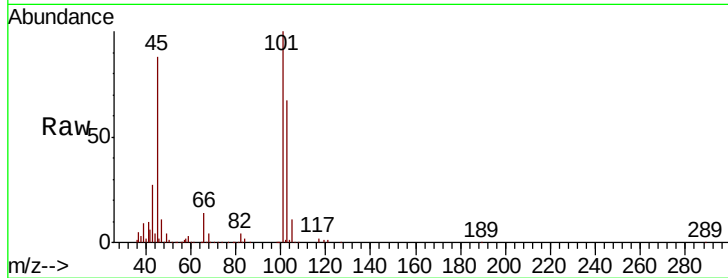
Ion Ratio Lower Upper

45 100

58 3.6 37.2 55.8#

Manual Integrations
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#20

Methylene Chloride

Concen: 7.957 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Tgt Ion: 84 Resp: 634191

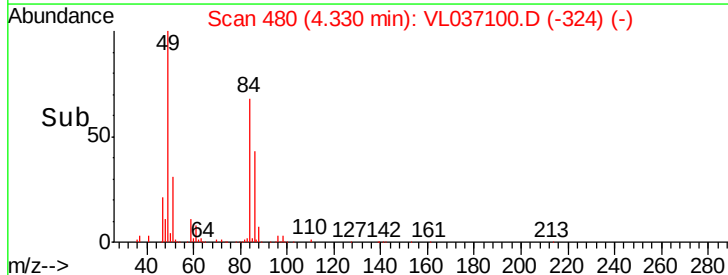
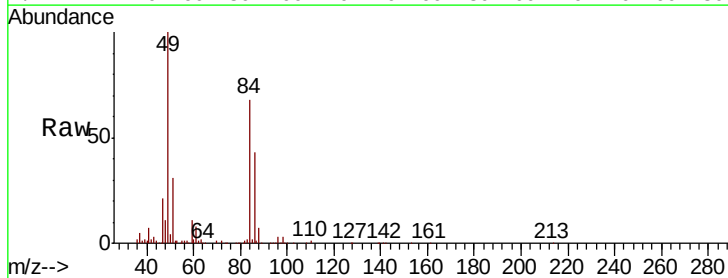
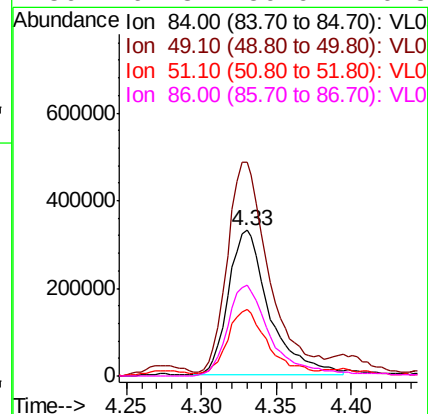
Ion Ratio Lower Upper

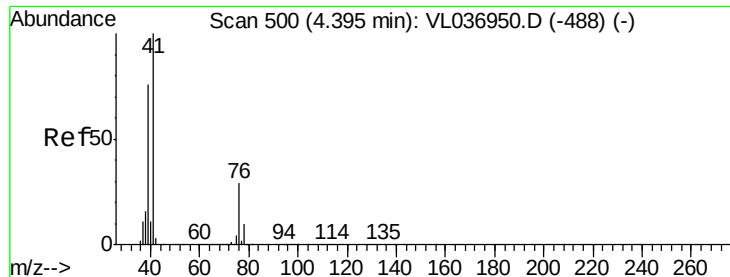
84 100

49 144.6 119.8 179.6

51 44.0 35.1 52.7

86 62.8 50.9 76.3





#21

Allvl Chloride

Concen: 9.687 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 41 Resp: 1086599

Ion Ratio Lower Upper

41 100

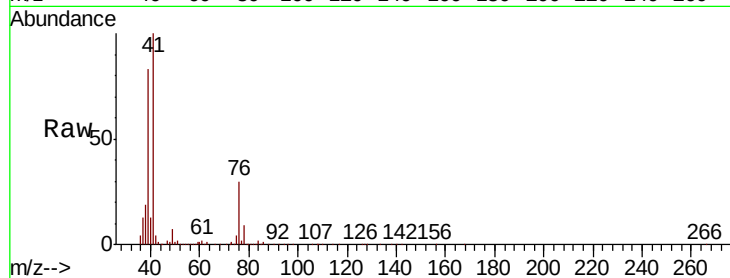
76 31.8 24.9 37.3

39 88.9 63.7 95.5

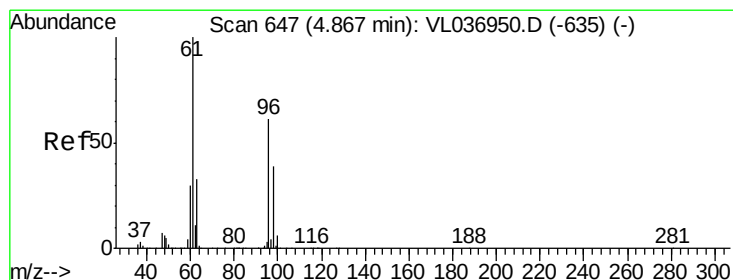
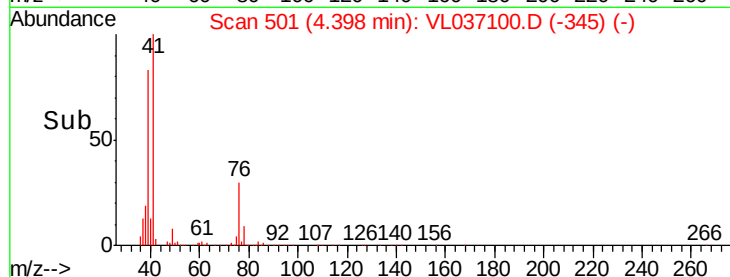
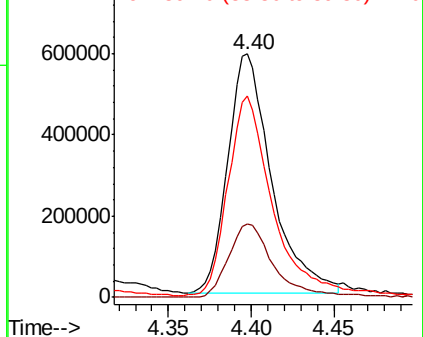
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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 11.099 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

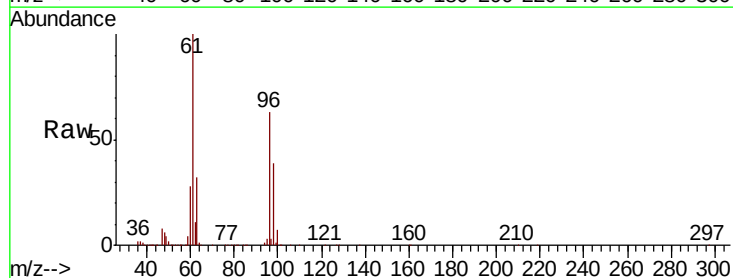
Tgt Ion: 96 Resp: 798690

Ion Ratio Lower Upper

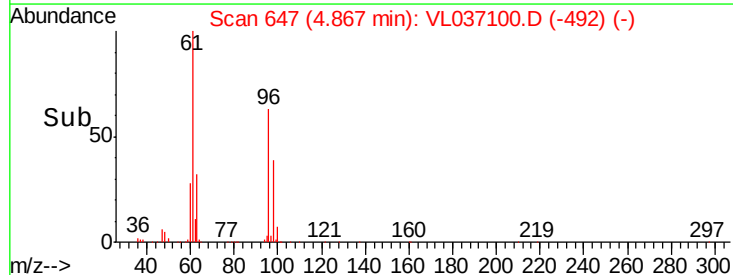
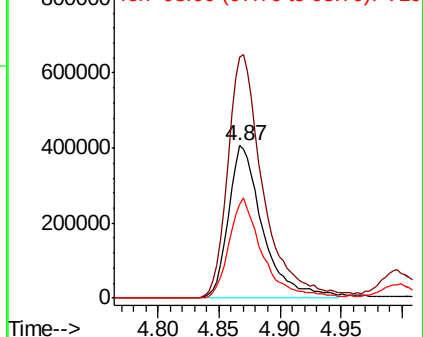
96 100

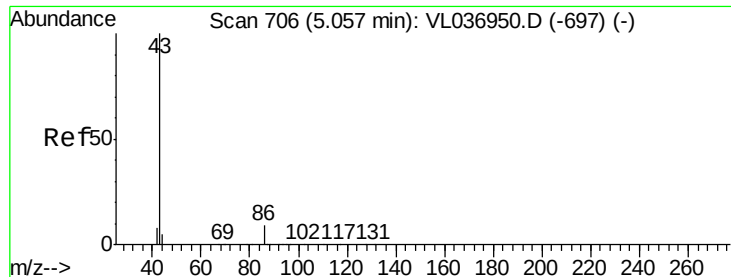
61 157.7 130.6 196.0

98 61.6 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.669 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 43 Resp: 2281941

Ion Ratio Lower Upper

43 100

86 7.4 5.8 8.8

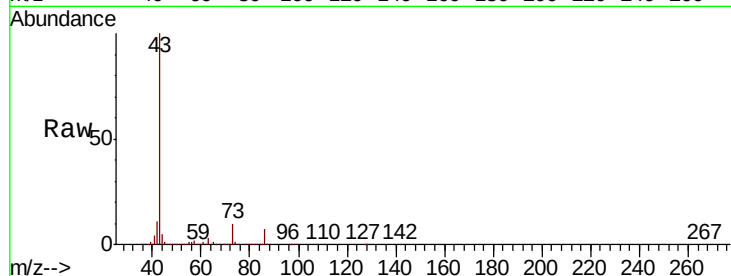
42 10.7 7.4 11.2

44 4.8 3.3 4.9

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6/7/2021 3:00:29 PM

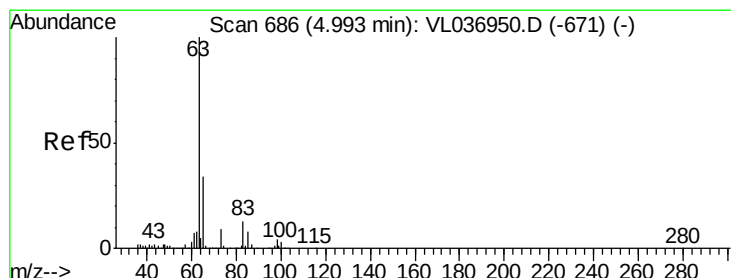
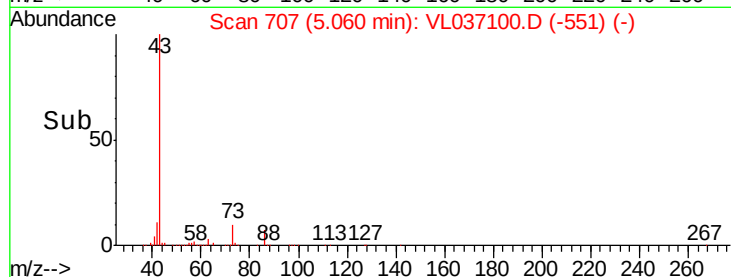
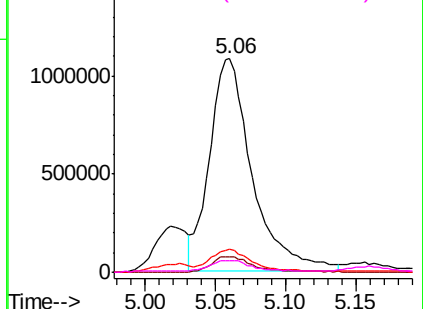


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.545 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

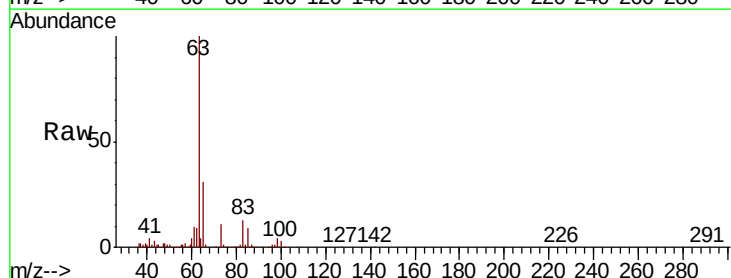
Tgt Ion: 63 Resp: 1621522

Ion Ratio Lower Upper

63 100

98 4.0 2.3 6.9

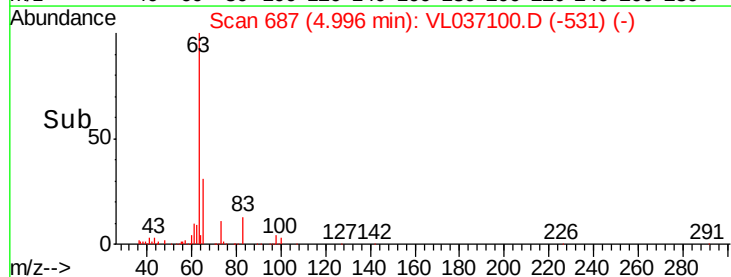
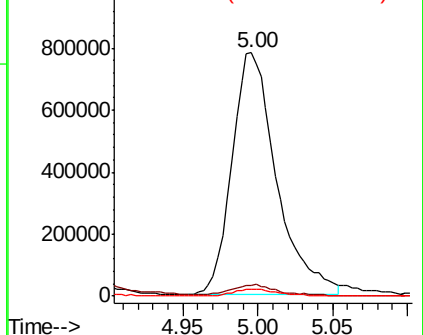
100 2.8 1.4 4.0

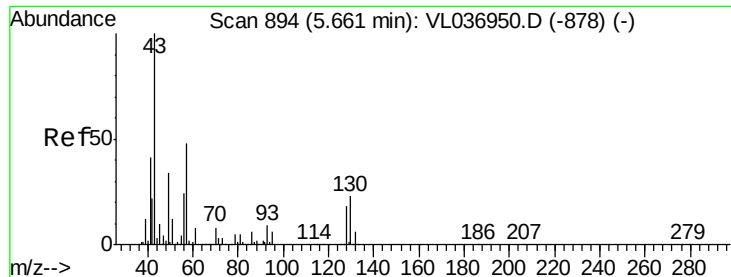


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





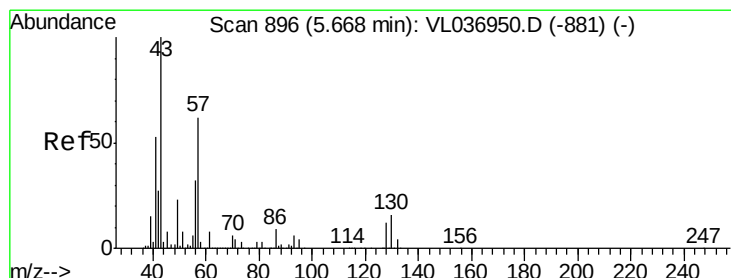
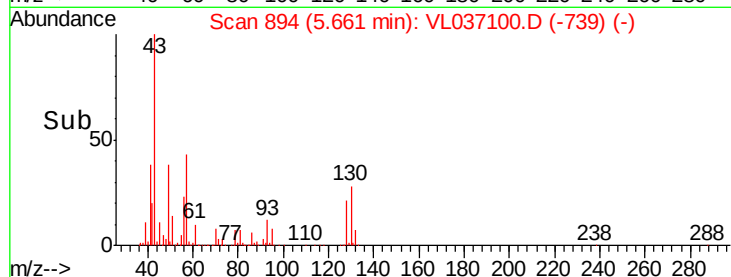
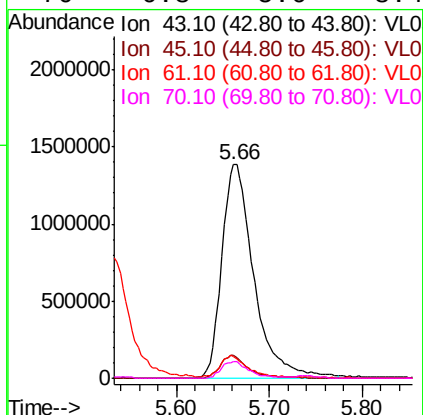
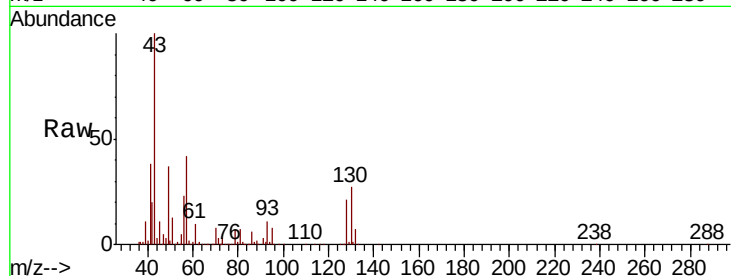
#25
Ethyl Acetate
Concen: 9.237 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.9	7.8	11.8	
61	9.9	7.8	11.8	
70	6.8	5.6	8.4	

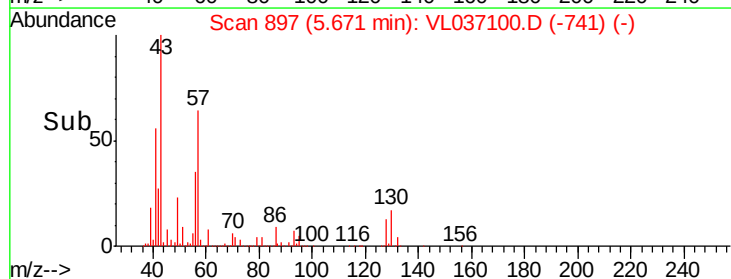
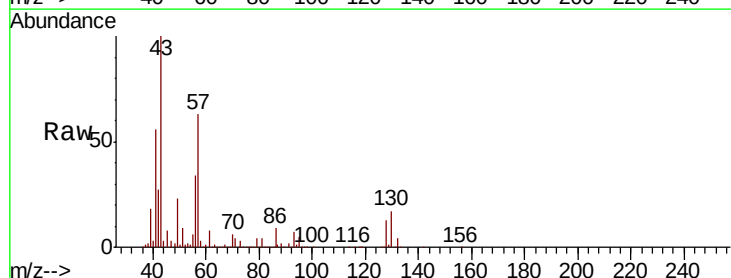
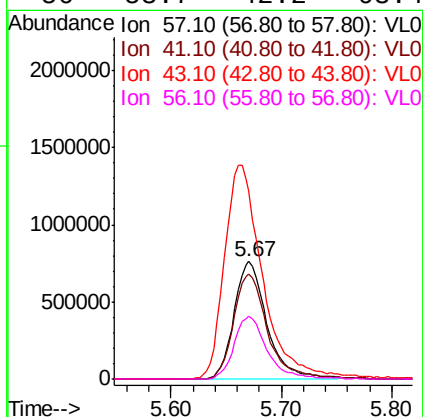
Manual Integrations
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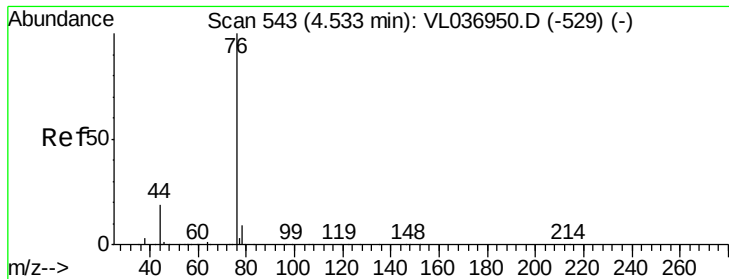
MMDadoda
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#26
Hexane
Concen: 8.643 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	93.1	70.5	105.7	
43	211.9	165.8	248.8	
56	53.7	42.2	63.4	





#27

Carbon Disulfide

Concen: 9.861 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 76 Resp: 1814136

Ion Ratio Lower Upper

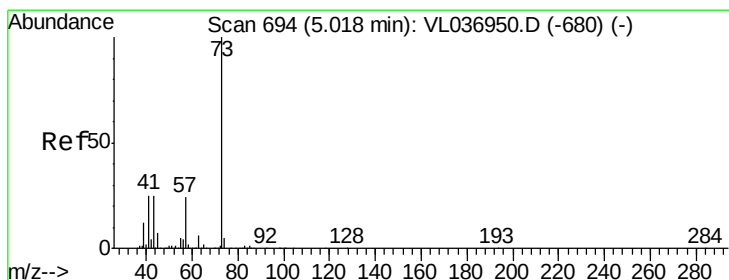
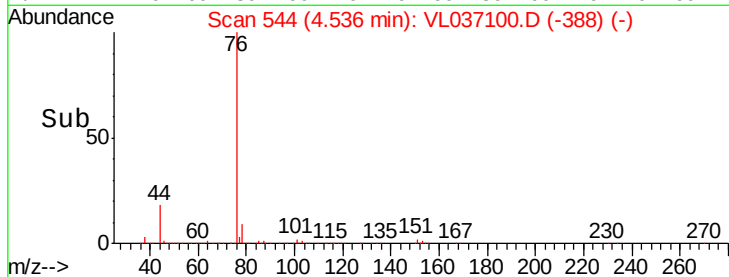
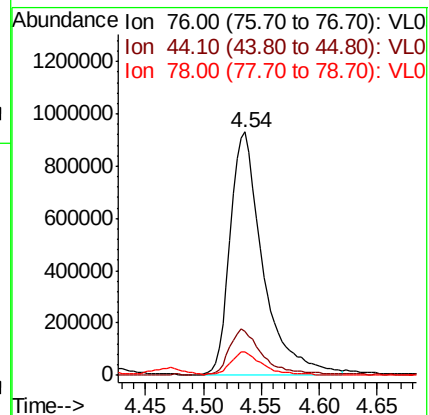
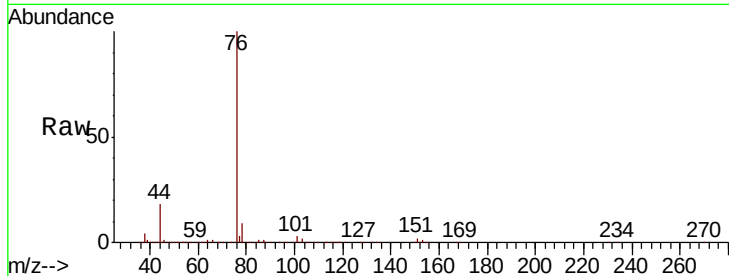
76 100

44 18.9 15.5 23.3

78 9.8 7.8 11.6

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 8.923 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037100.D

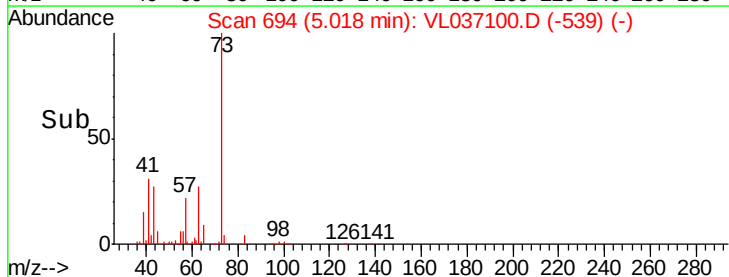
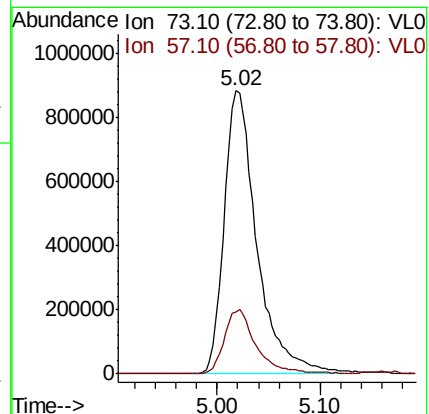
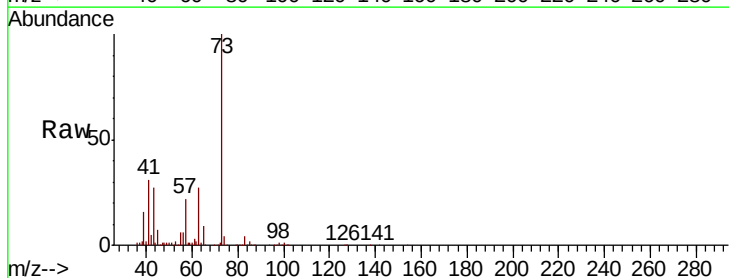
Acq: 2 Jun 2021 13:16

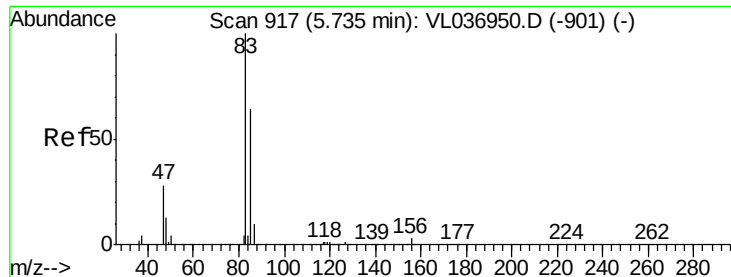
Tgt Ion: 73 Resp: 1952328

Ion Ratio Lower Upper

73 100

57 22.3 18.3 27.5





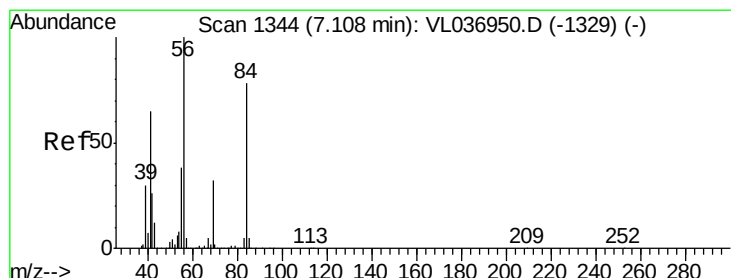
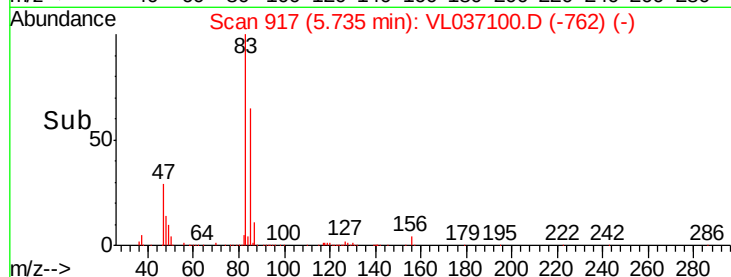
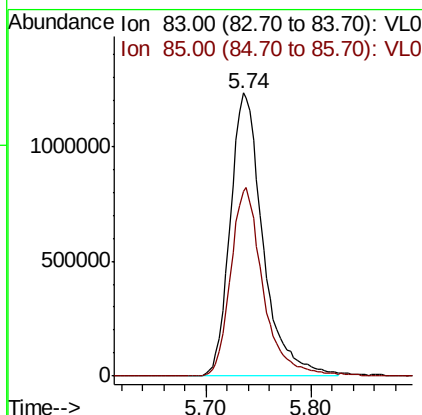
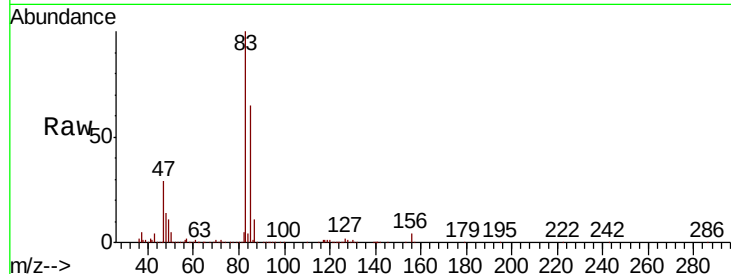
#29
Chloroform
Concen: 10.245 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion: 83 Resp: 2641931
Ion Ratio Lower Upper
83 100
85 65.1 51.1 76.7

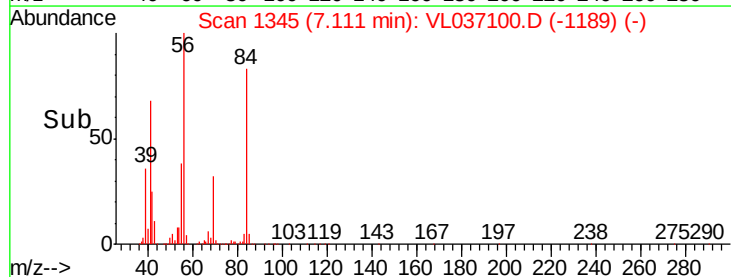
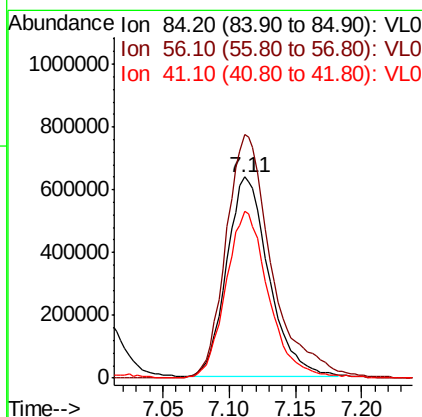
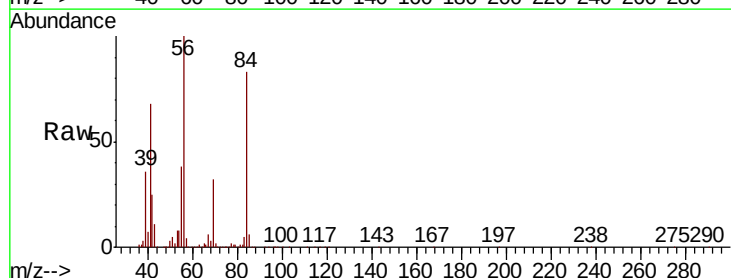
Manual Integrations
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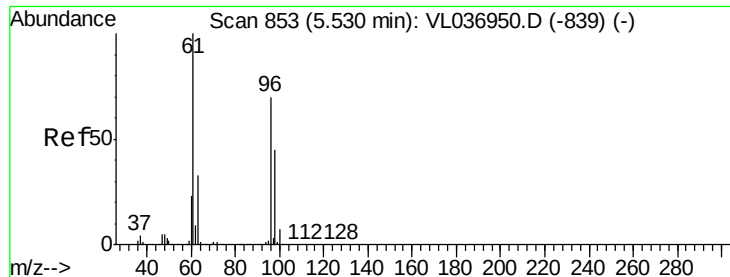
MMDadoda
6/7/2021 3:00:29 PM



#30
Cyclohexane
Concen: 9.102 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion: 84 Resp: 1411903
Ion Ratio Lower Upper
84 100
56 132.9 107.9 161.9
41 84.2 65.5 98.3





#31

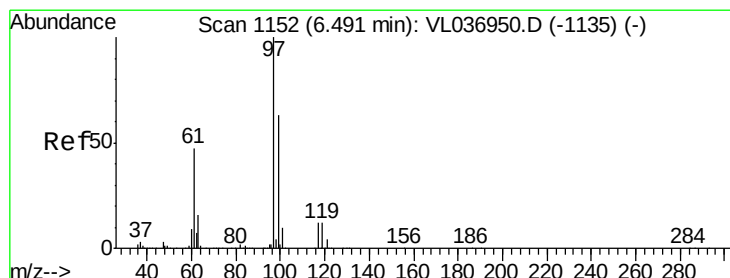
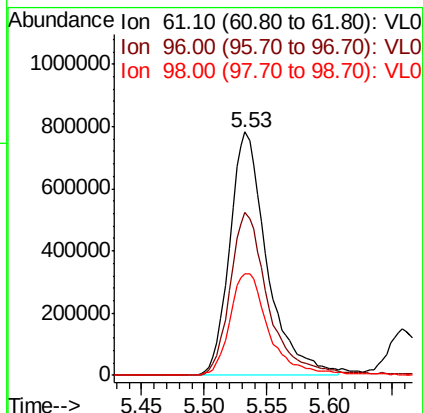
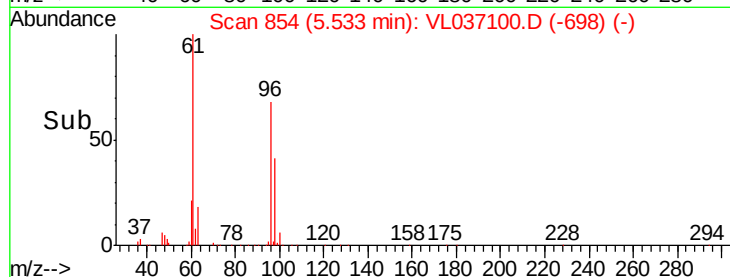
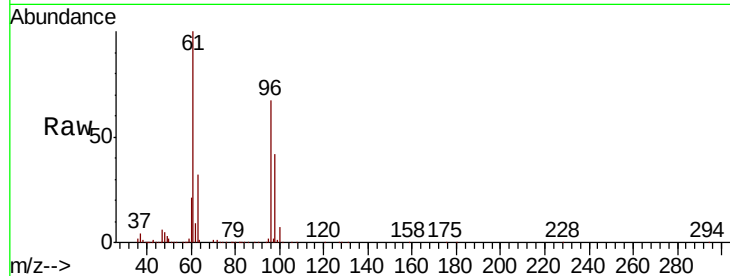
cis-1,2-Dichloroethene
Concen: 9.846 ppbv
RT: 5.53 min Scan# 854
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.2	55.9	83.9
98	41.6	35.6	53.4

Manual Integrations
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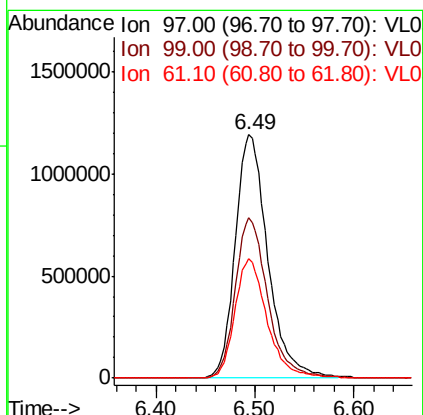
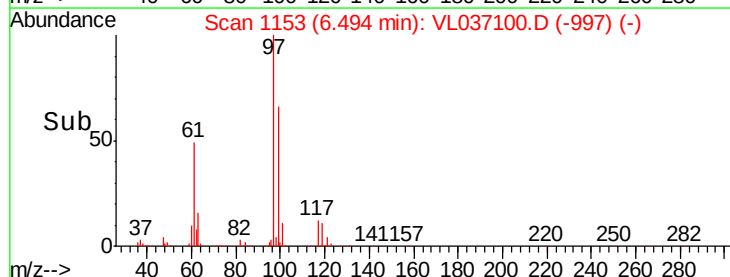
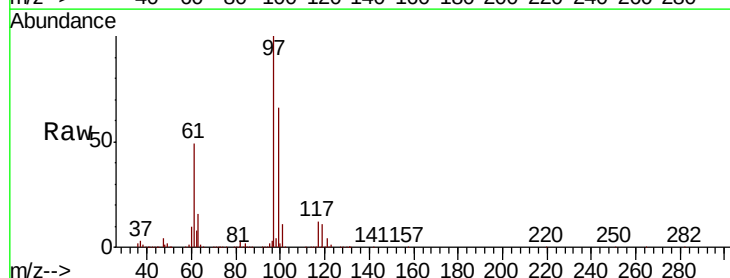
MMDadoda
6/7/2021 3:00:29 PM

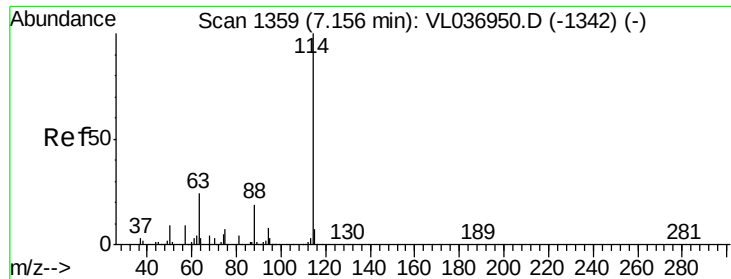


#32

1,1,1-Trichloroethane
Concen: 9.880 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.9	77.9
61	48.3	37.6	56.4





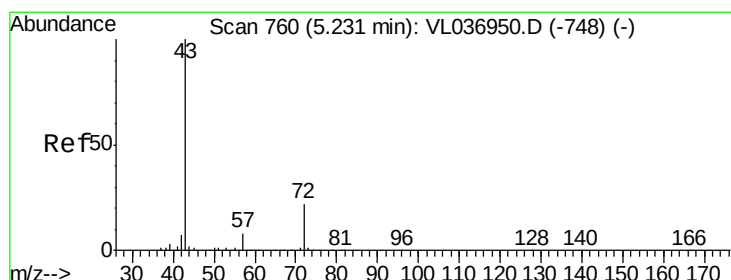
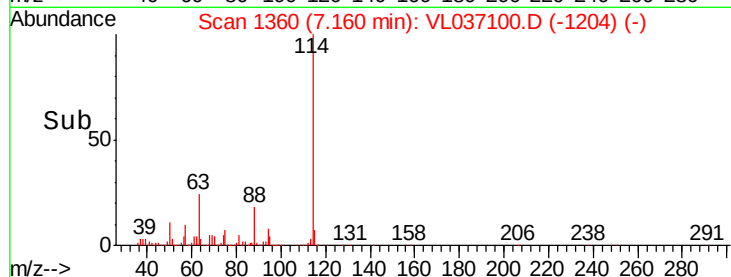
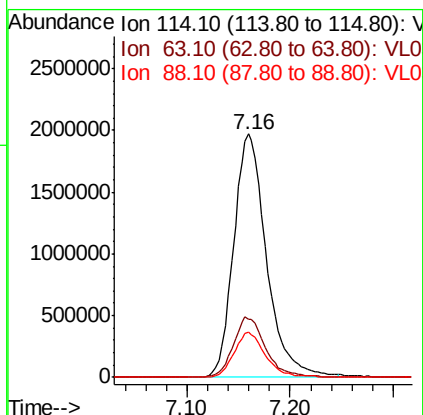
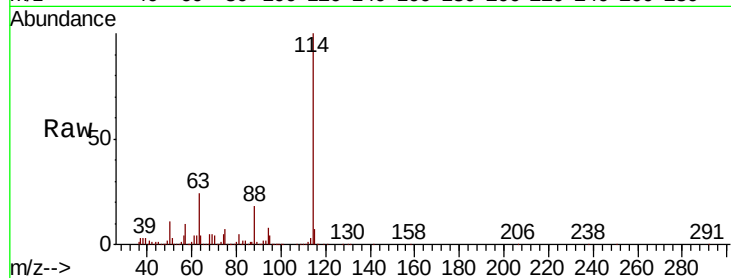
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Tot Ion:114 Resp: 4356346
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 18.0 14.6 21.8

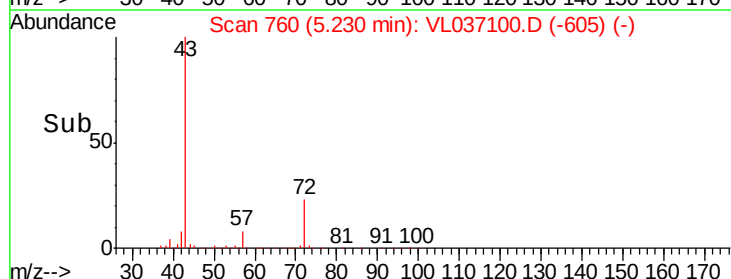
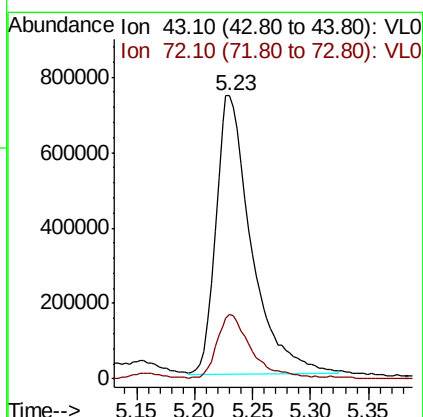
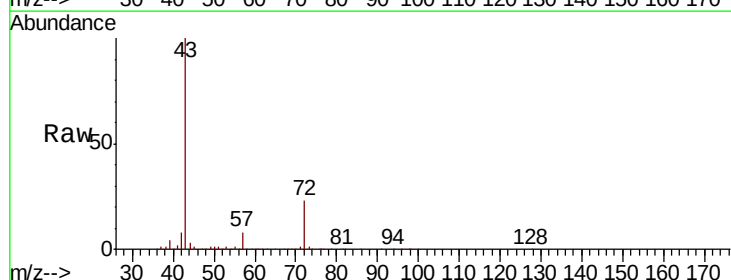
Manual Integrations
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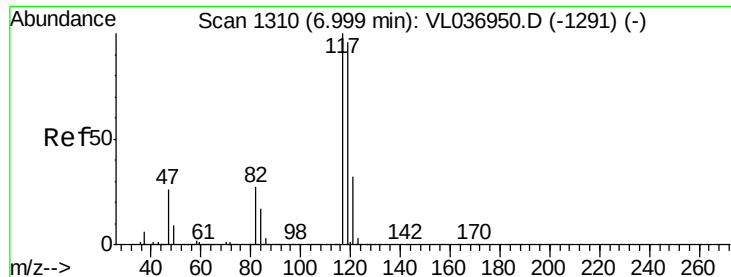
MMDadoda
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#34
 2-Butanone
 Concen: 9.925 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Tgt Ion: 43 Resp: 1574314
 Ion Ratio Lower Upper
 43 100
 72 23.6 19.0 28.4





#35

Carbon Tetrachloride

Concen: 10.212 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion:117 Resp: 2955916

Ion Ratio Lower Upper

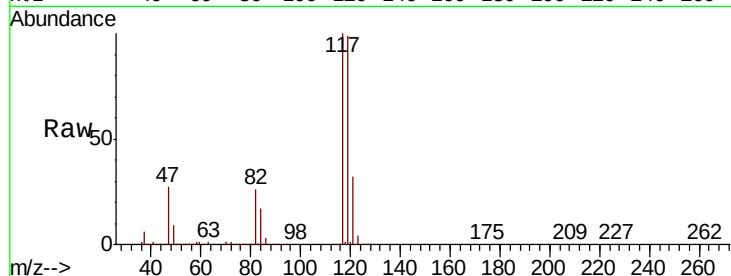
117 100

119 99.2 76.6 114.8

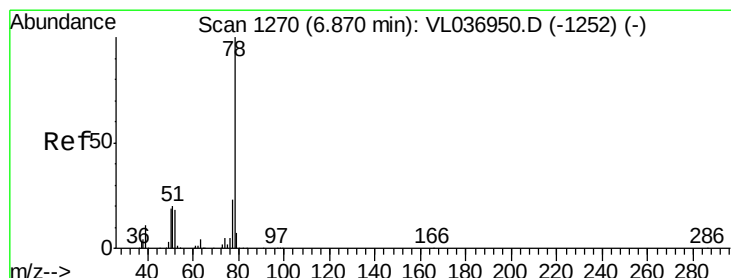
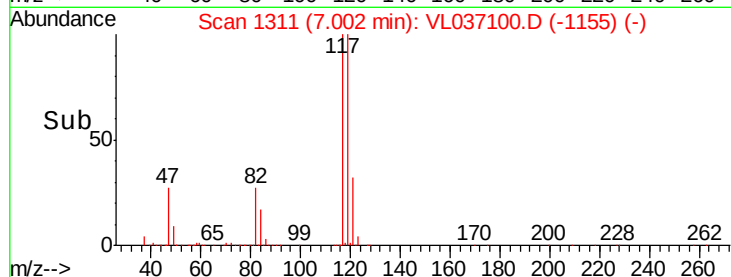
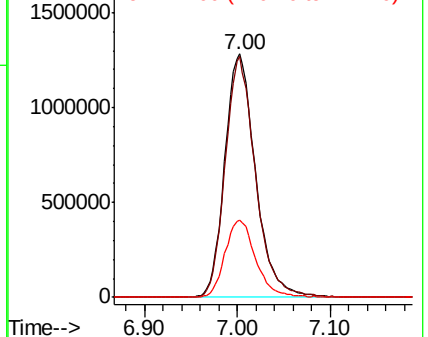
121 31.9 25.8 38.6

Manual Integrations
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6/7/2021 3:00:29 PM



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.916 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

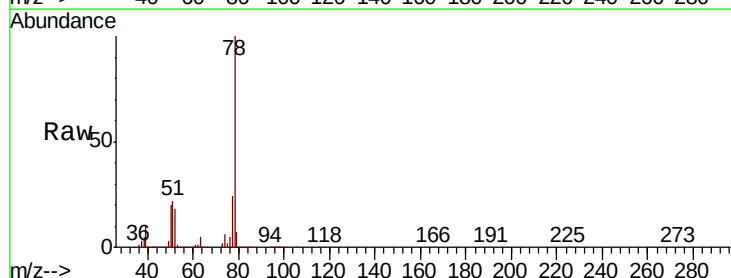
Tgt Ion: 78 Resp: 3345477

Ion Ratio Lower Upper

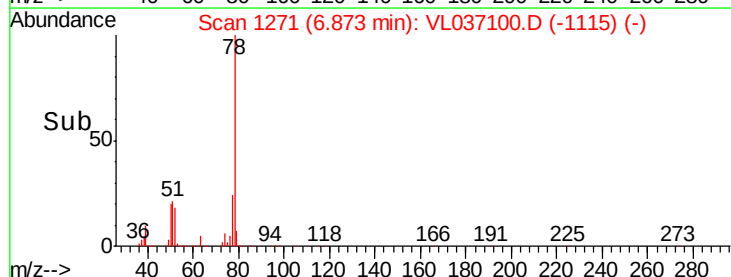
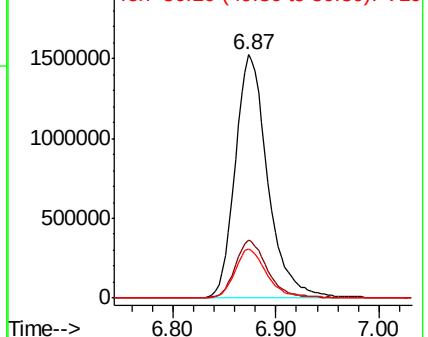
78 100

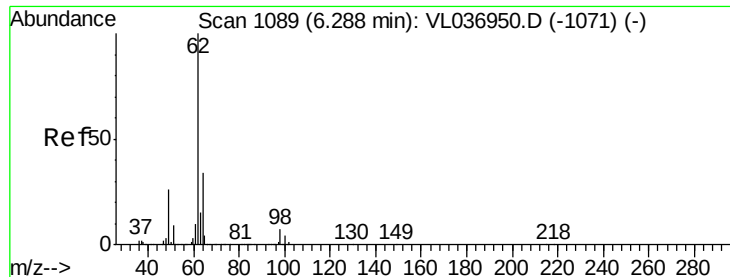
77 23.8 18.6 28.0

50 20.1 15.0 22.4



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





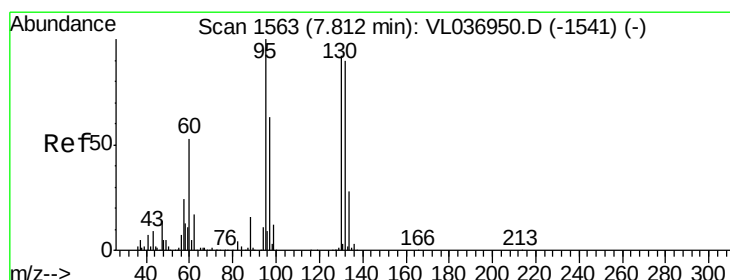
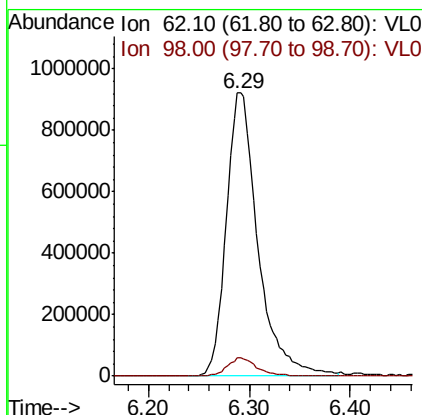
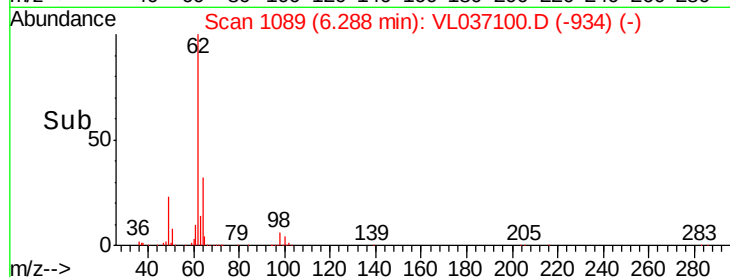
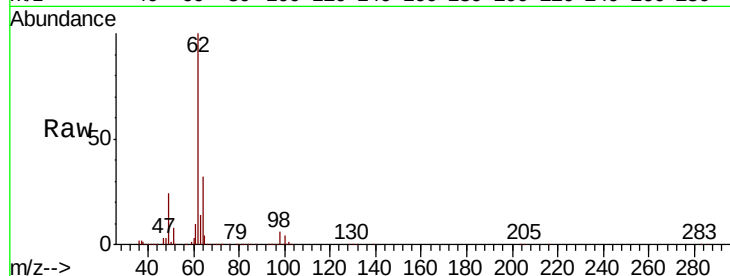
#37
 1,2-Dichloroethane
 Concen: 10.862 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0602ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.5	8.3

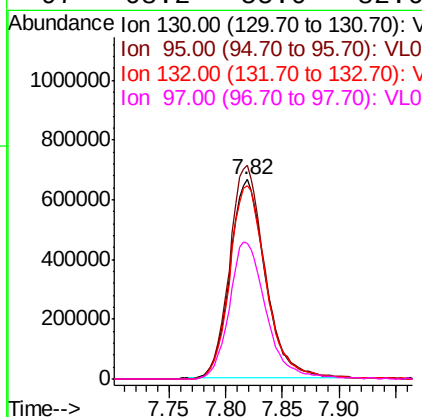
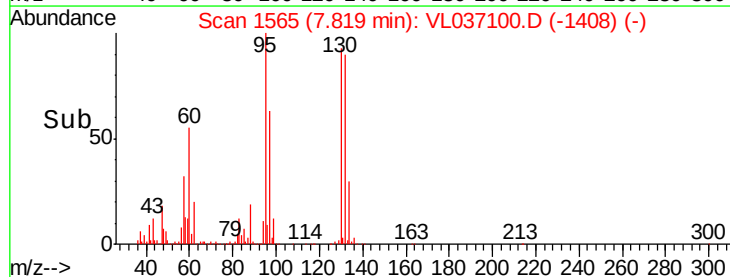
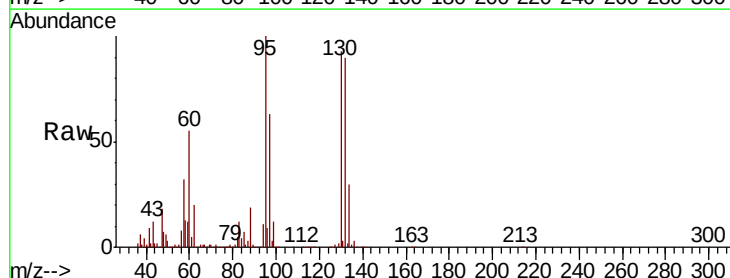
Manual Integrations
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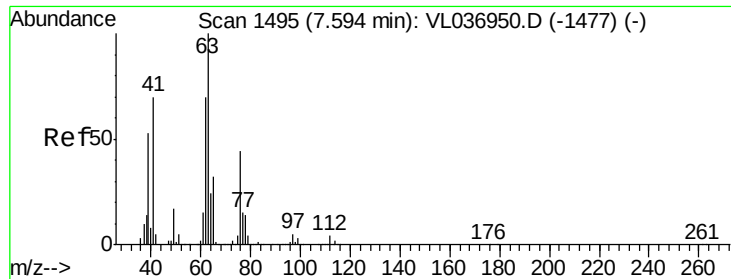
MMDadoda
 6/7/2021 3:00:29 PM



#38
 Trichloroethene
 Concen: 9.050 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.6	86.9	130.3
132	97.2	78.4	117.6
97	68.2	55.0	82.6





#39

1,2-Dichloropropane

Concen: 8.855 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 63 Resp: 1280011

Ion Ratio Lower Upper

63 100

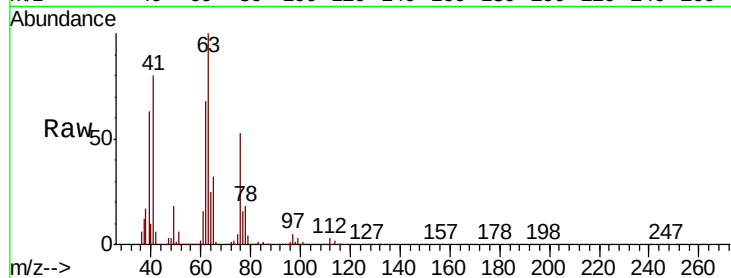
41 79.8 55.7 83.5

62 68.2 56.2 84.4

Manual Integrations
APPROVED

MMDadoda

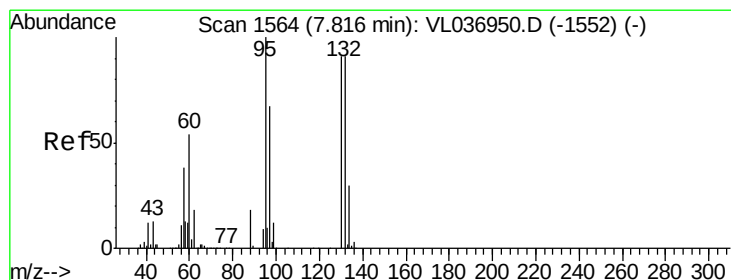
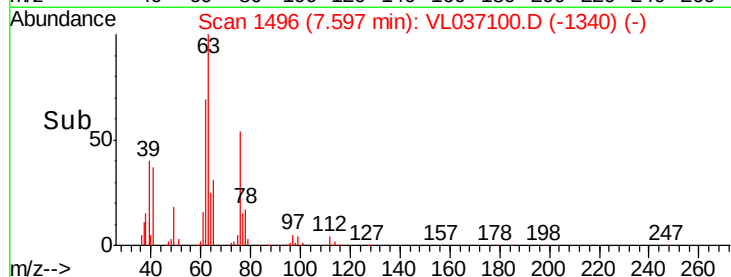
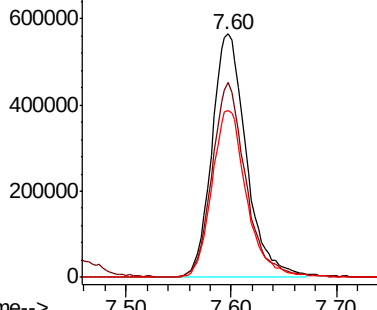
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.440 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Tgt Ion: 88 Resp: 322204

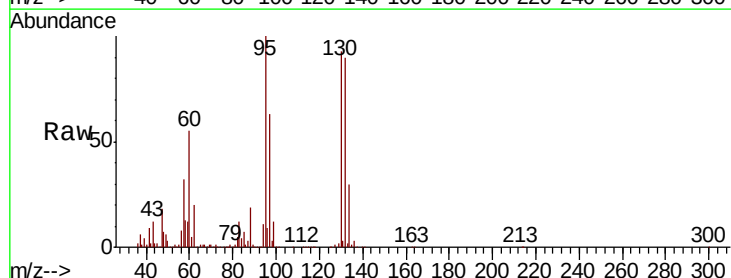
Ion Ratio Lower Upper

88 100

58 153.4 0.0 0.0#

43 384.4 0.0 0.0#

57 1708.3 0.0 0.0#

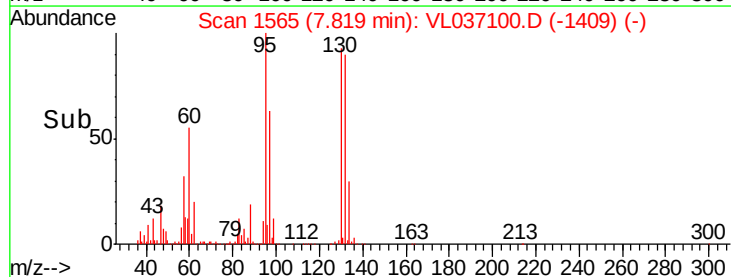
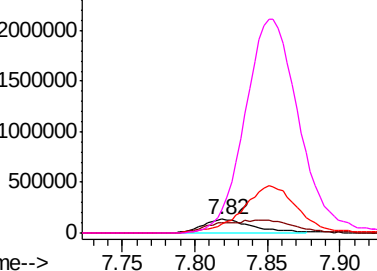


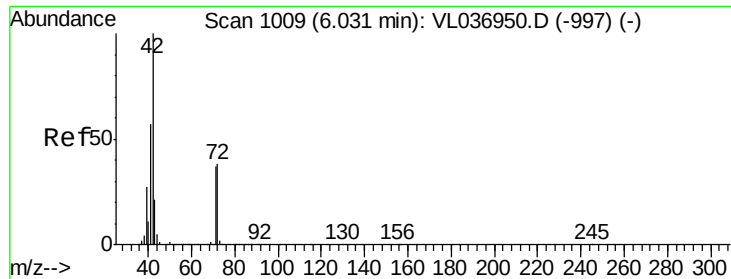
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





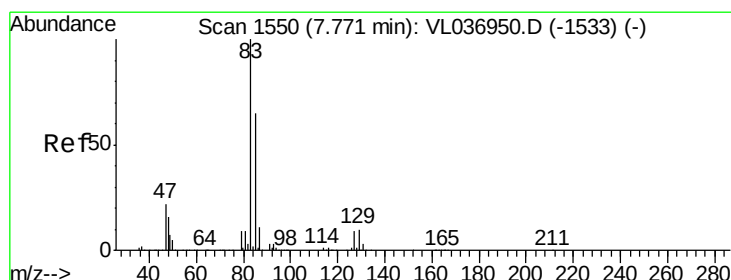
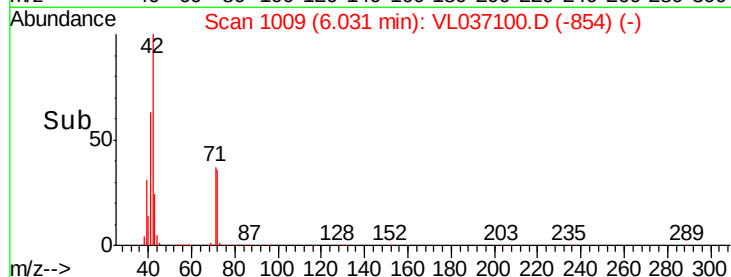
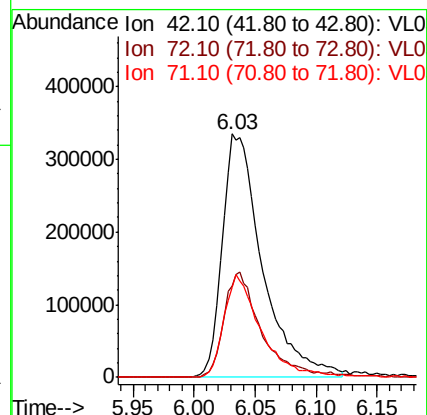
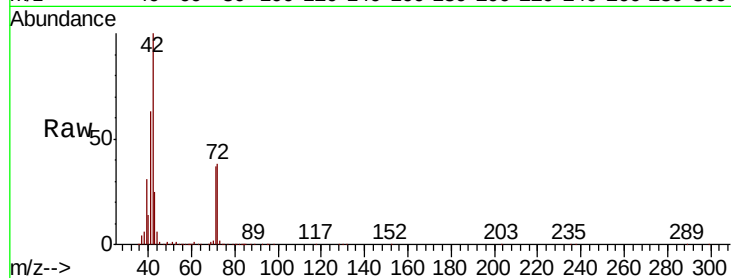
#41
Tetrahydrofuran
Concen: 8.514 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	31.4	47.2
71	40.0	30.4	45.6

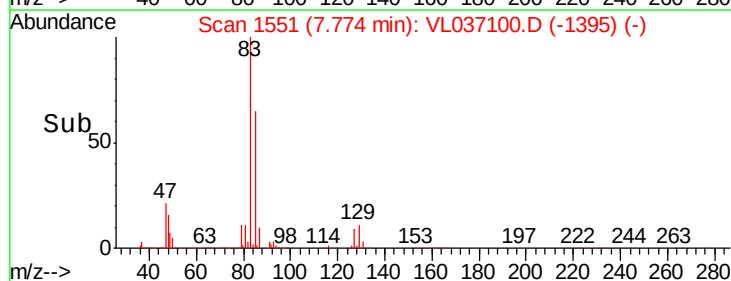
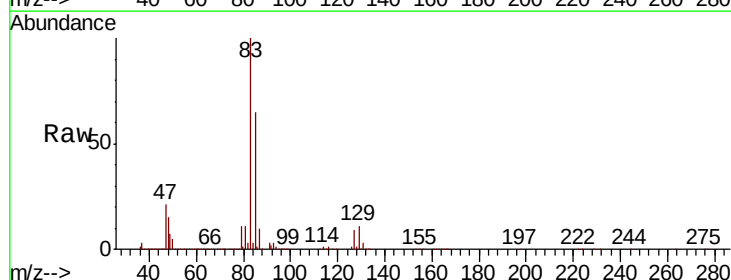
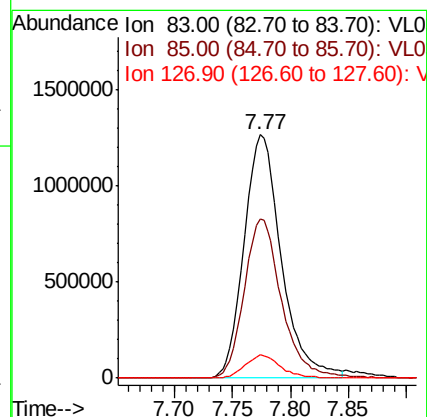
Manual Integrations
APPROVED

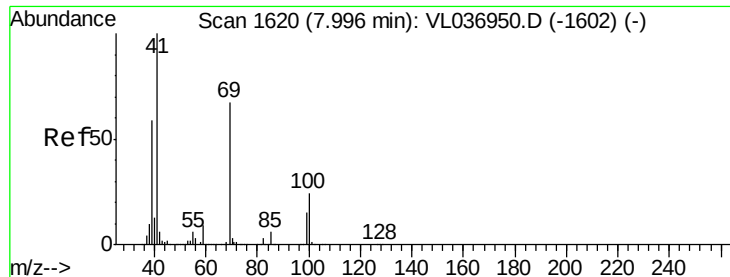
MMDadoda
6/7/2021 3:00:29 PM



#42
Bromodichloromethane
Concen: 10.087 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.7	77.5
127	9.4	6.9	10.3





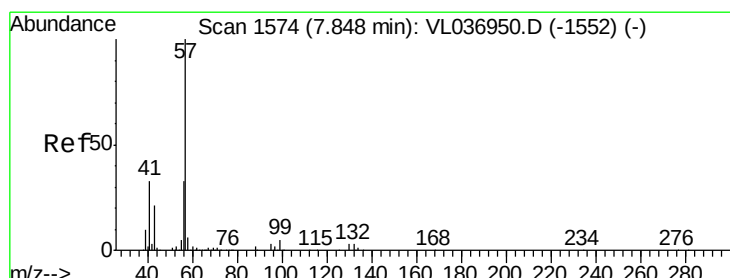
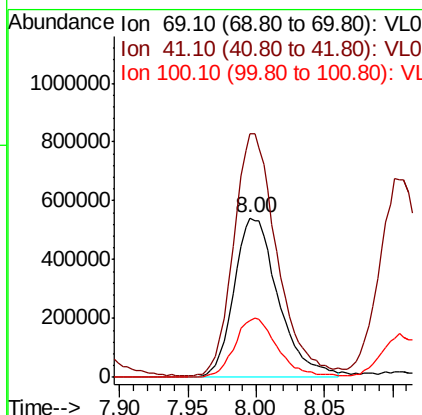
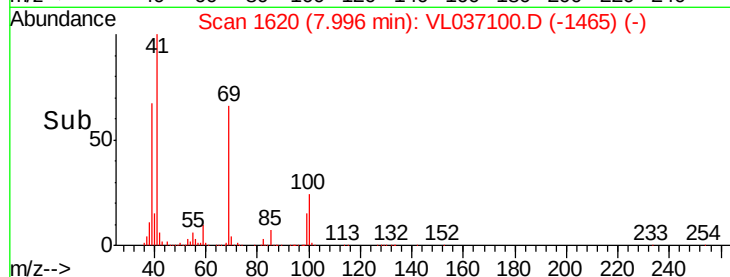
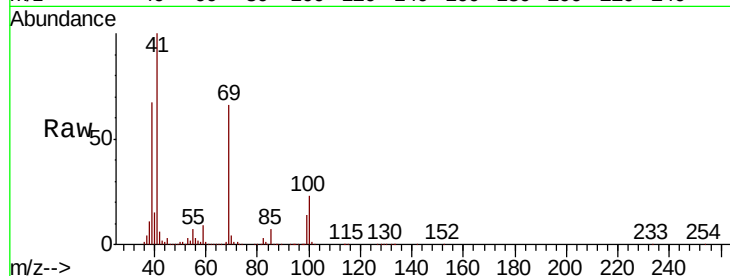
#43
Methyl Methacrylate
Concen: 9.445 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleID :
VL0602ABS01

Tot Ion: 69 Resp: 1221469
Ion Ratio Lower Upper
69 100
41 150.9 118.6 178.0
100 35.9 28.2 42.4

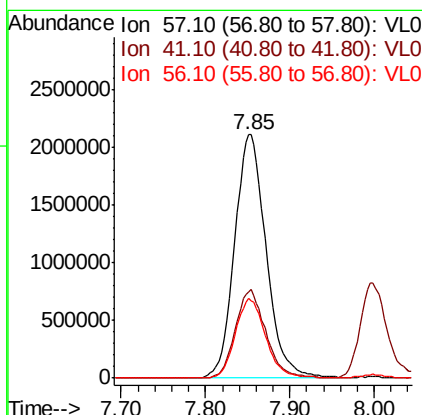
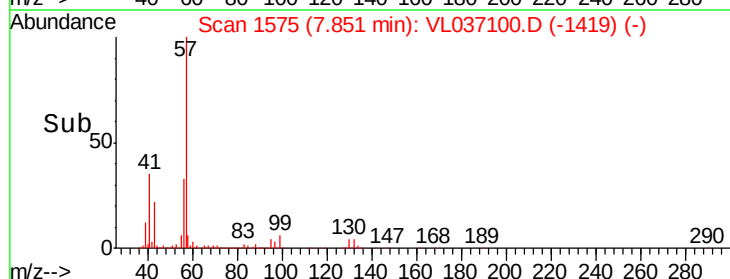
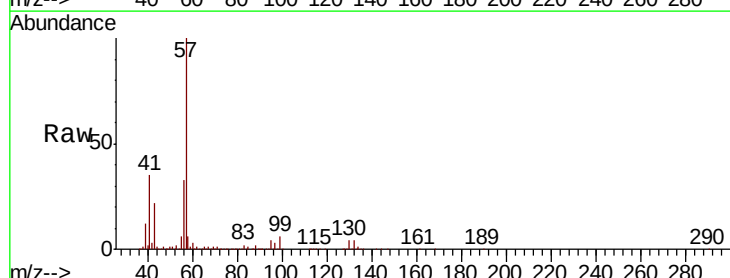
Manual Integrations
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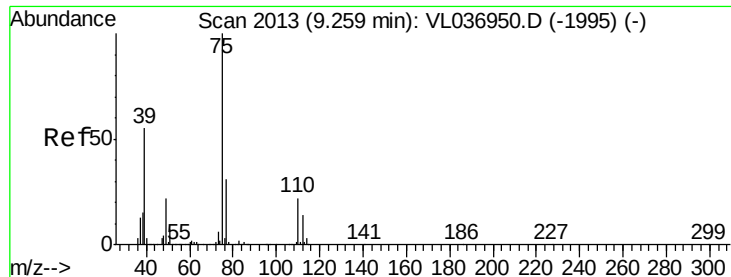
MMDadoda
6/7/2021 3:00:29 PM



#44
2,2,4-Trimethylpentane
Concen: 8.534 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion: 57 Resp: 5494236
Ion Ratio Lower Upper
57 100
41 35.0 27.0 40.4
56 31.6 25.4 38.2





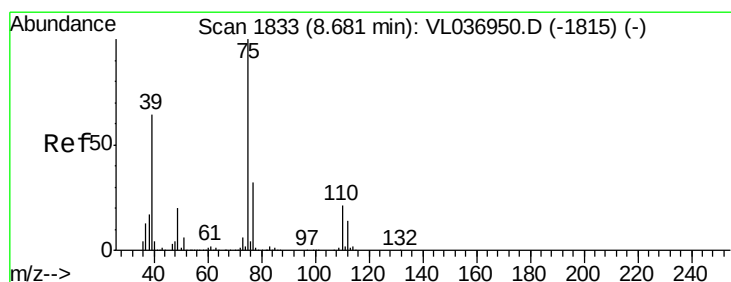
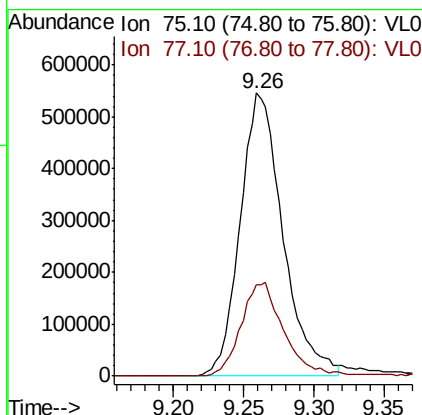
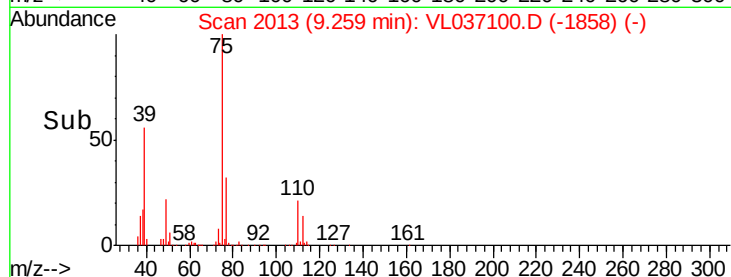
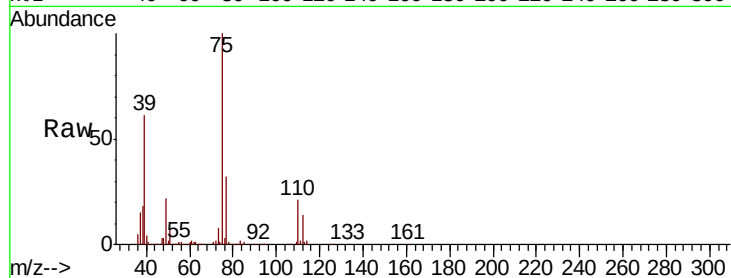
#45
t-1,3-Dichloropropene
Concen: 11.682 ppbv
RT: 9.26 min Scan# 2013
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion: 75 Resp: 1154275
Ion Ratio Lower Upper
75 100
77 32.1 24.4 36.6

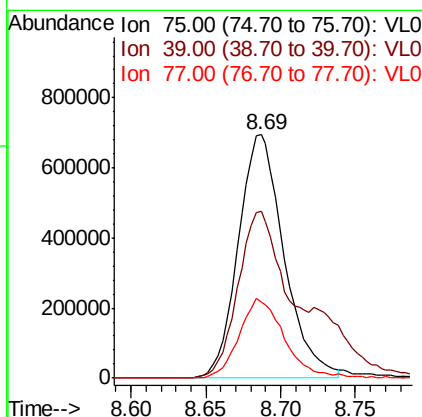
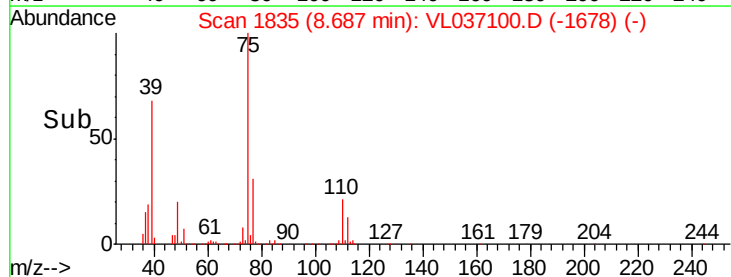
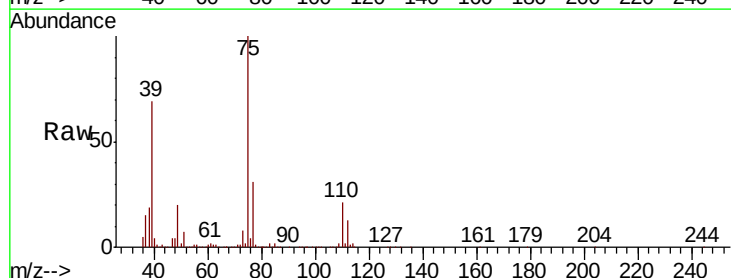
Manual Integrations
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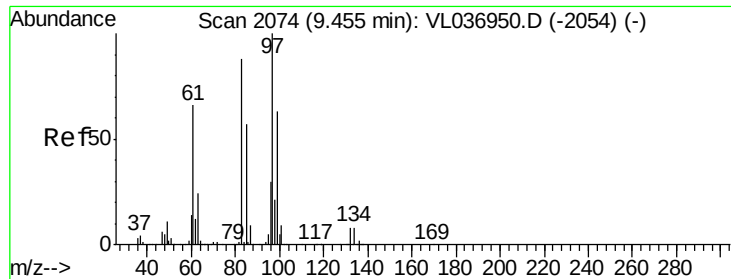
MMDadoda
6/7/2021 3:00:29 PM



#46
cis-1,3-Dichloropropene
Concen: 11.087 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. 0.01 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion: 75 Resp: 1473467
Ion Ratio Lower Upper
75 100
39 68.7 51.5 77.3
77 31.0 25.9 38.9





#47
 1,1,2-Trichloroethane
 Concen: 9.659 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

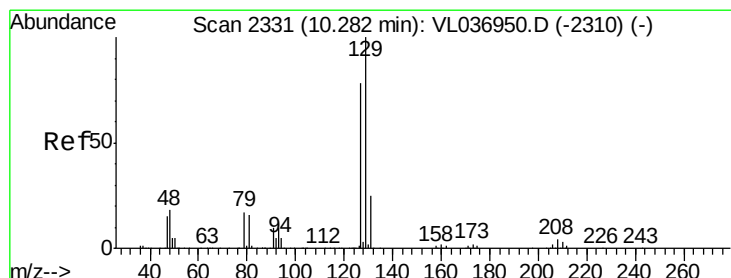
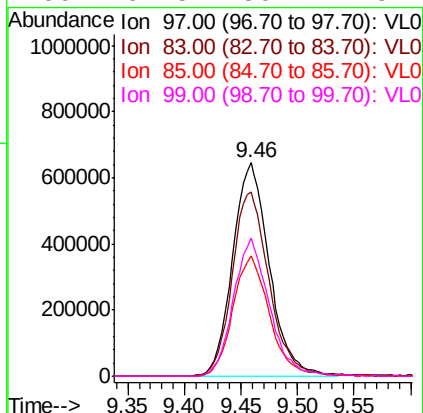
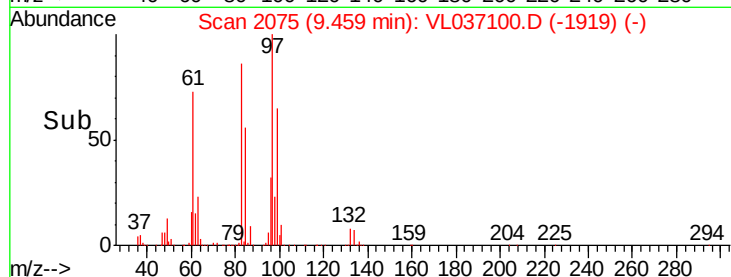
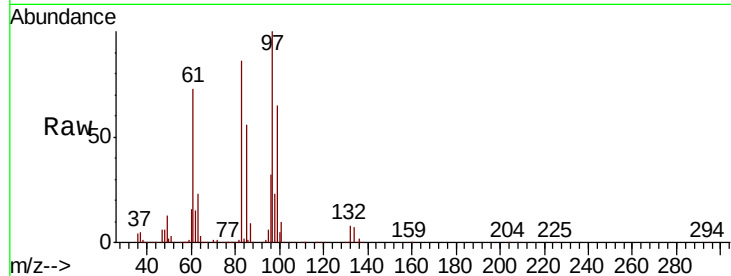
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Tot Ion: 97 Resp: 1461289

Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.4	105.6
85	56.4	45.5	68.3
99	64.5	50.2	75.2

Manual Integrations
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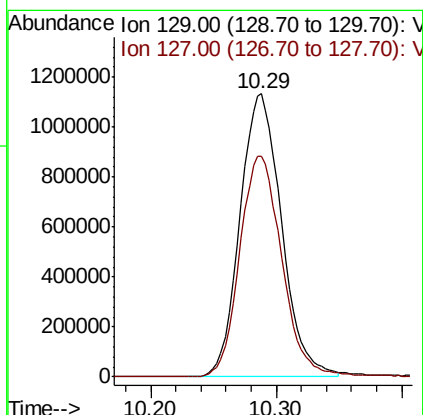
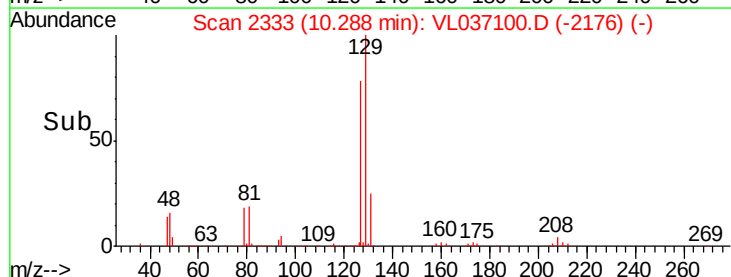
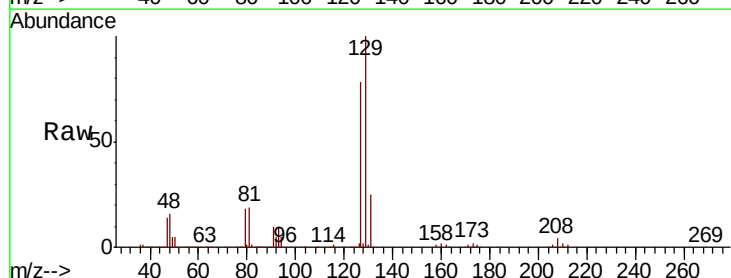
MMDadoda
 6/7/2021 3:00:29 PM

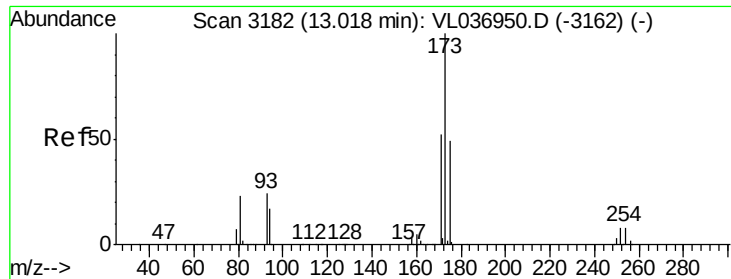


#48
 Dibromochloromethane
 Concen: 10.658 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Tgt Ion: 129 Resp: 2610846

Ion	Ratio	Lower	Upper
129	100		
127	79.9	39.3	117.8





#49

Bromoform

Concen: 10.723 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion:173 Resp: 2169203

Ion Ratio Lower Upper

173 100

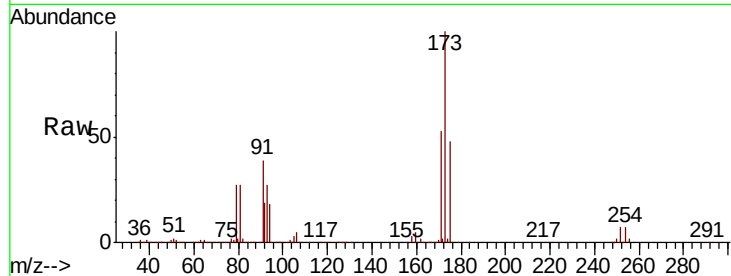
175 50.2 40.4 60.6

171 53.3 42.6 64.0

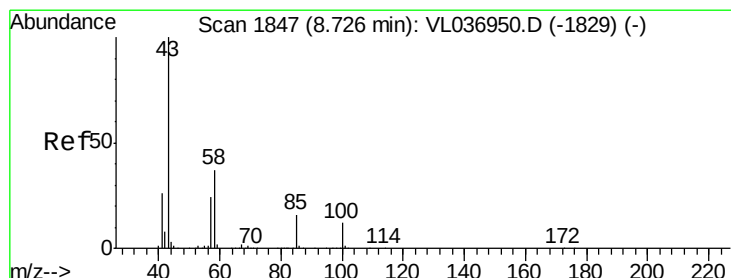
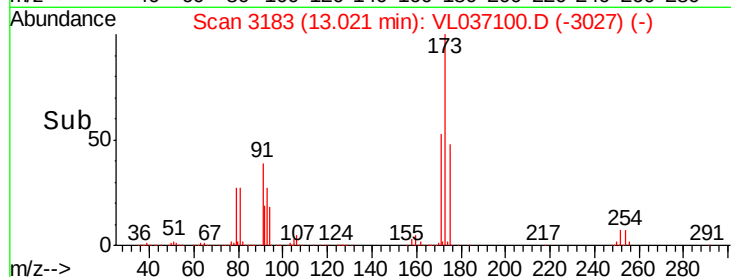
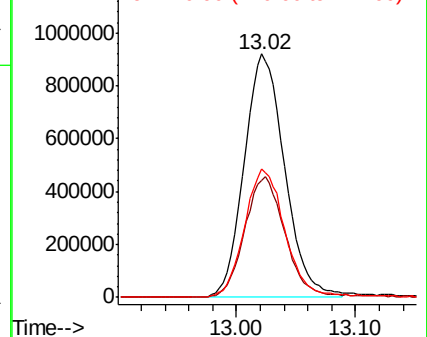
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.229 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL037100.D

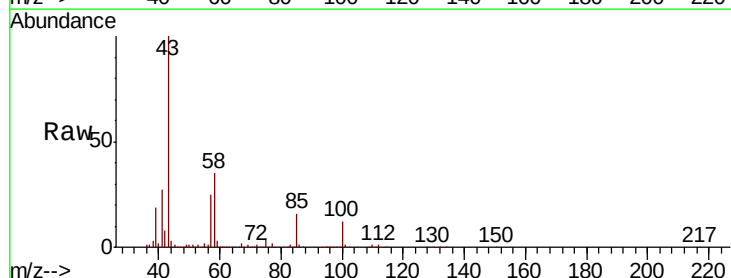
Acq: 2 Jun 2021 13:16

Tgt Ion: 43 Resp: 2415626

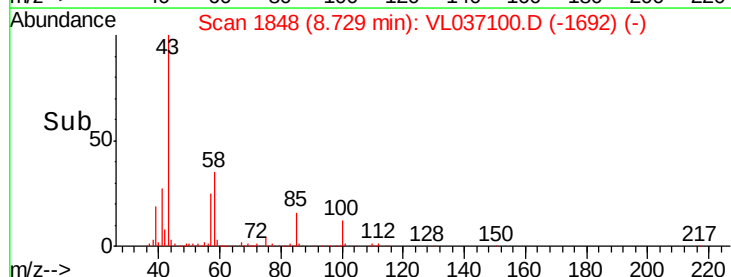
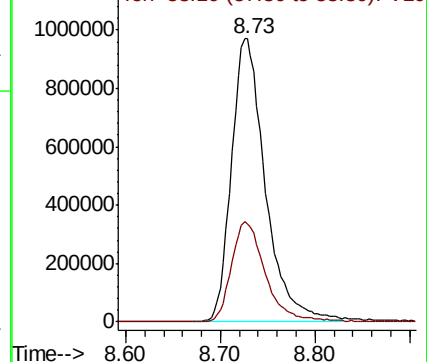
Ion Ratio Lower Upper

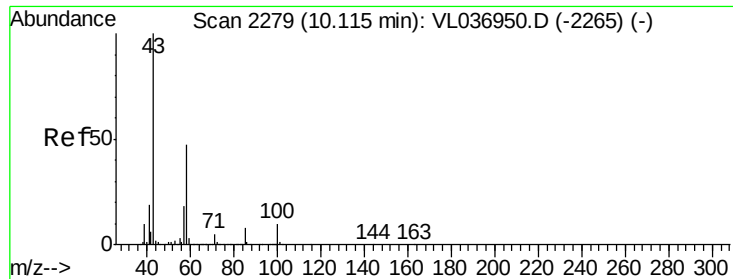
43 100

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





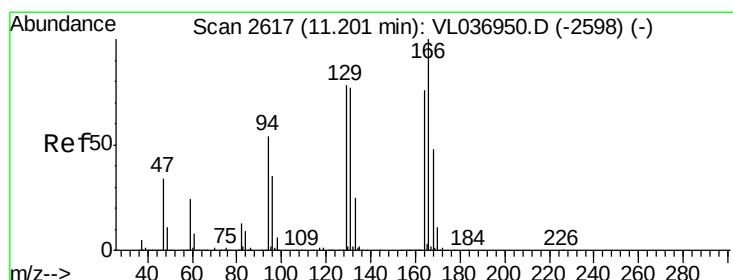
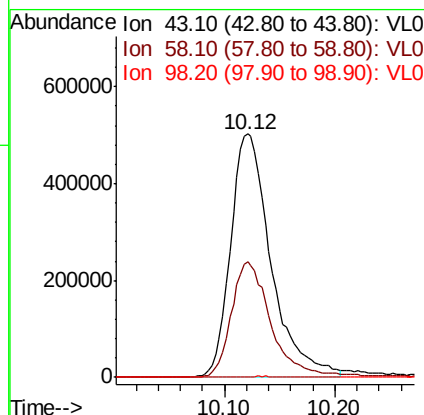
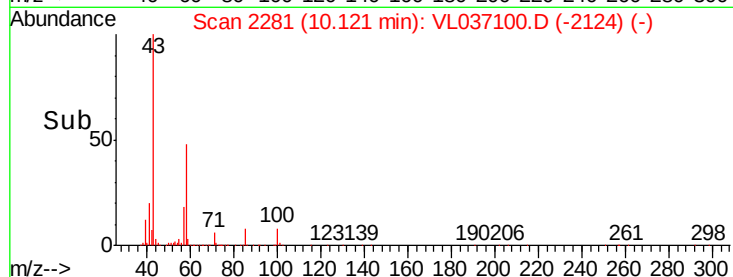
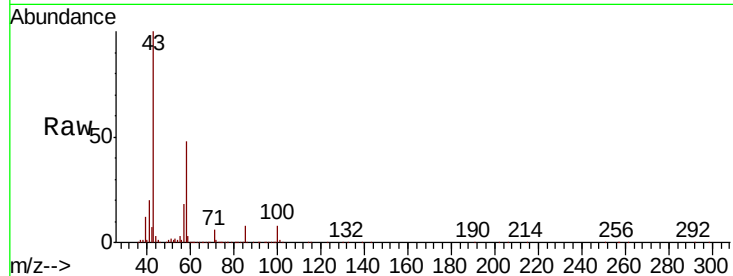
#51
2-Hexanone
Concen: 9.213 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. 0.01 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion: 43 Resp: 1274913
Ion Ratio Lower Upper
43 100
58 47.8 41.1 61.7
98 0.4 0.1 0.1#

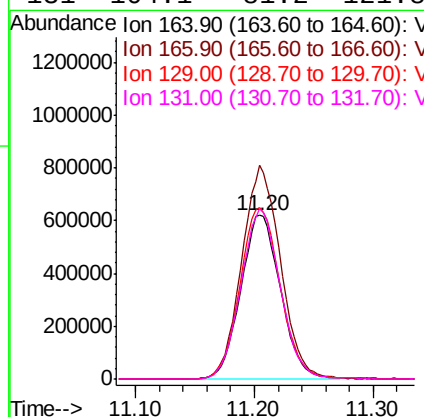
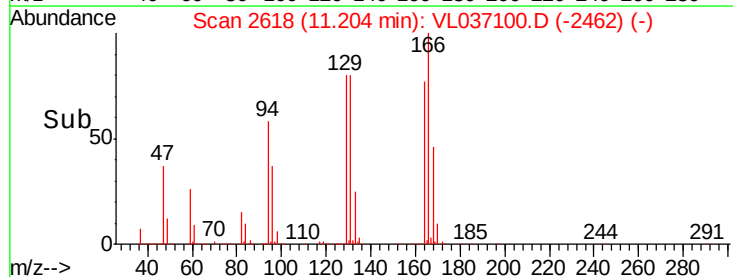
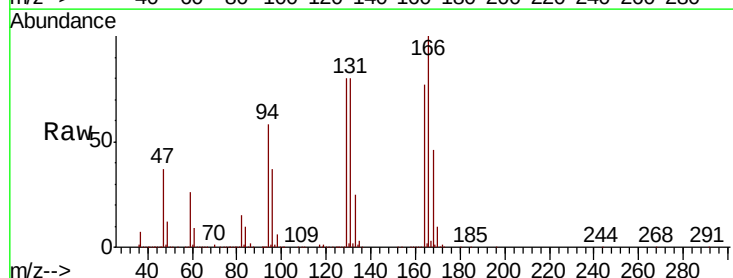
Manual Integrations
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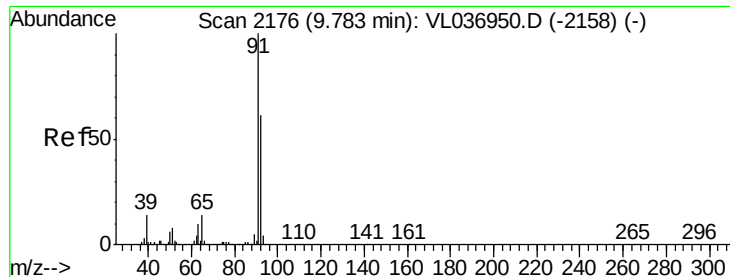
MMDadoda
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#52
Tetrachloroethene
Concen: 9.582 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion: 164 Resp: 1429826
Ion Ratio Lower Upper
164 100
166 130.5 105.5 158.3
129 104.9 81.8 122.8
131 104.1 81.2 121.8





#53

Toluene

Concen: 9.064 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 91 Resp: 4046905

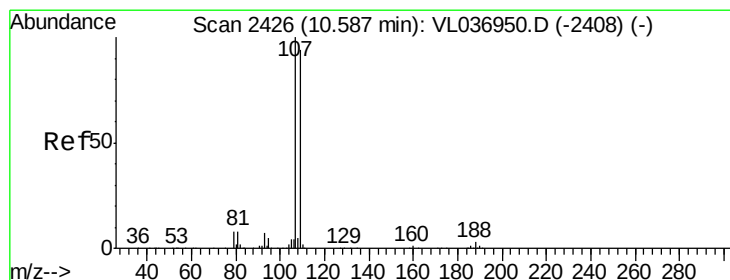
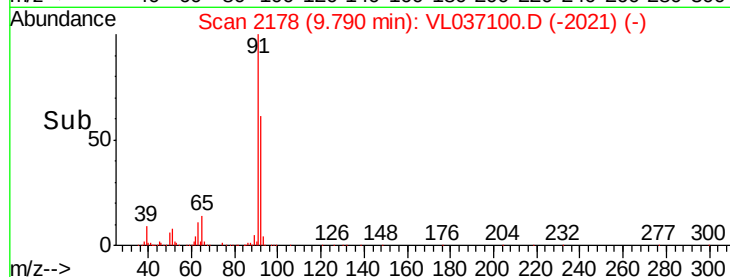
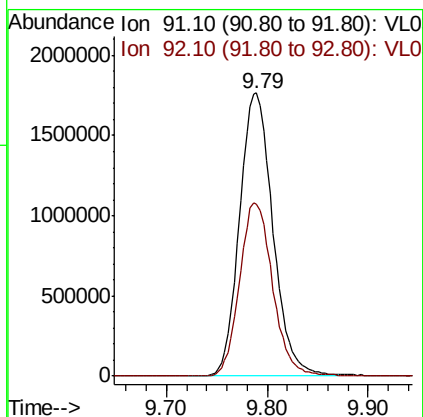
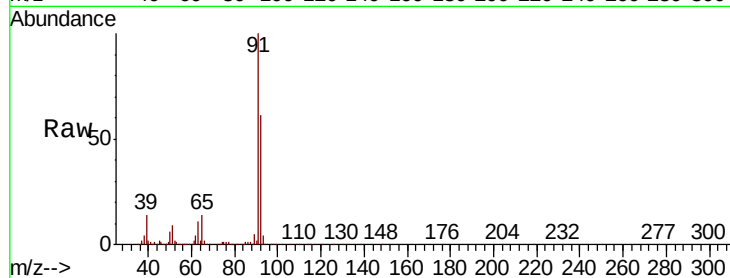
Ion Ratio Lower Upper

91 100

92 61.1 49.5 74.3

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 10.278 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037100.D

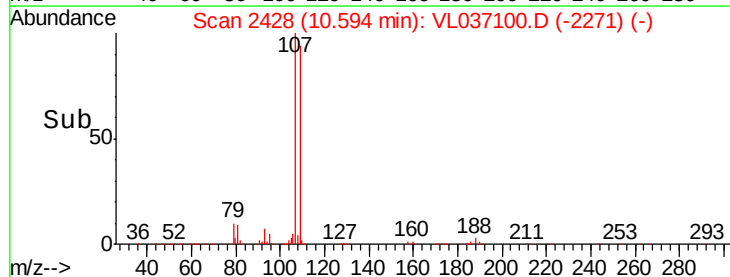
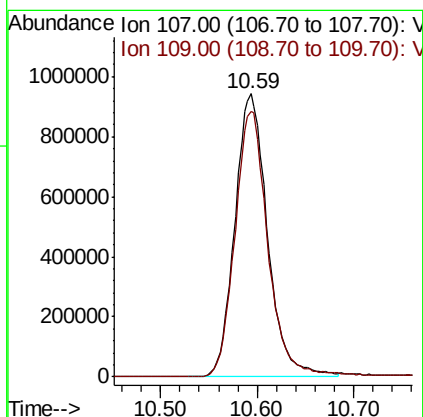
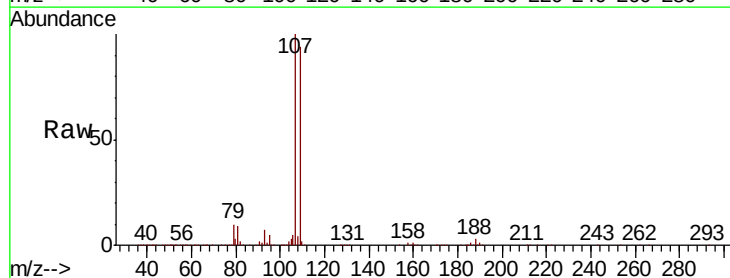
Acq: 2 Jun 2021 13:16

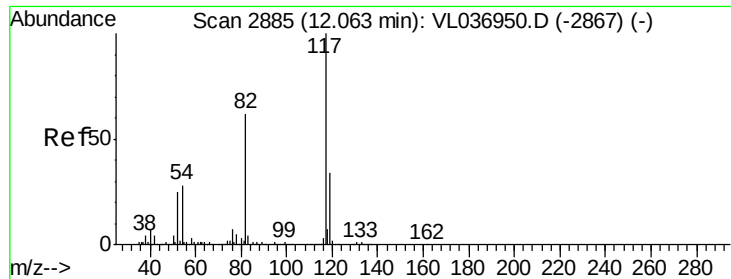
Tgt Ion: 107 Resp: 2210786

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.4





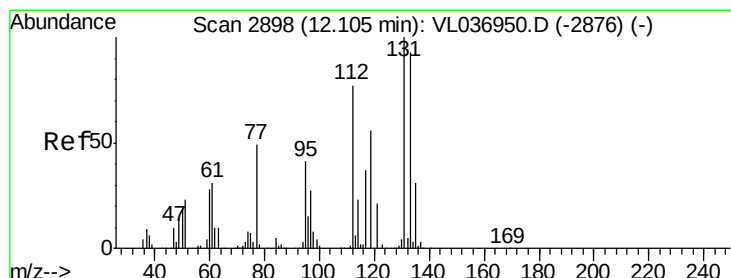
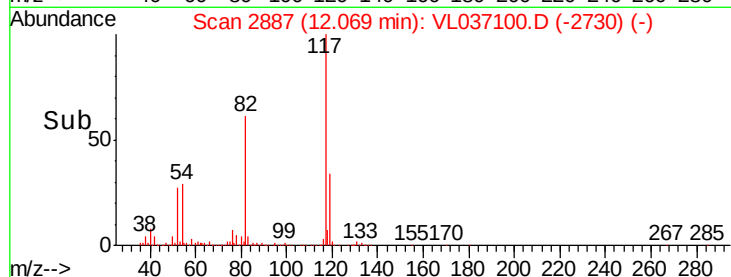
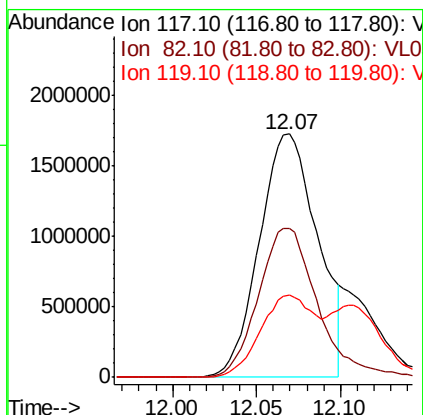
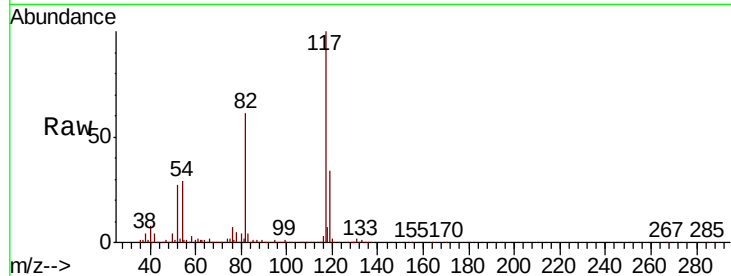
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion:117 Resp: 4163554
Ion Ratio Lower Upper
117 100
82 63.1 52.6 79.0
119 31.5 46.6 70.0#

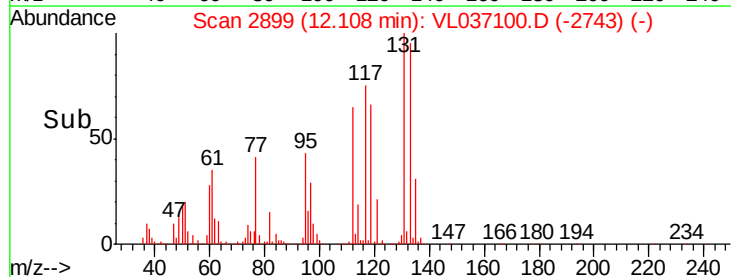
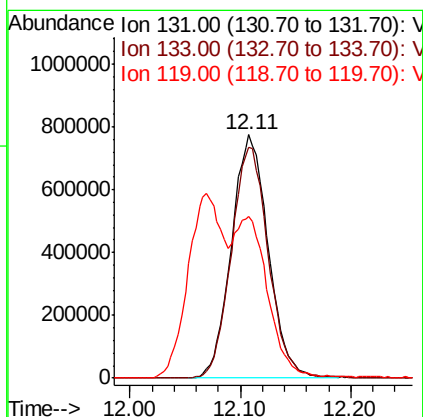
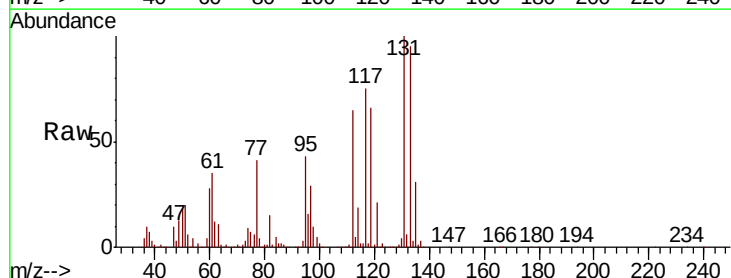
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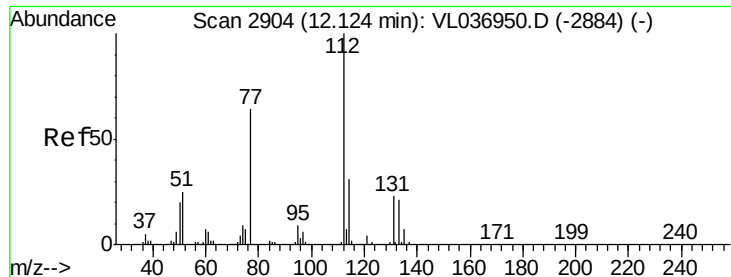
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.173 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion:131 Resp: 1782211
Ion Ratio Lower Upper
131 100
133 96.5 76.9 115.3
119 58.6 120.2 180.4#





#57

Chlorobenzene

Concen: 9.847 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion:112 Resp: 3178955

Ion Ratio Lower Upper

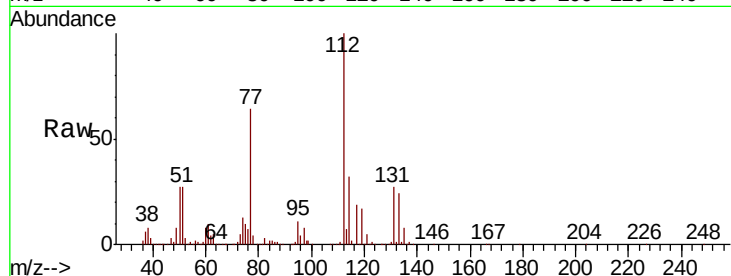
112 100

77 63.3 51.0 76.6

114 32.1 28.3 34.5

Manual Integrations
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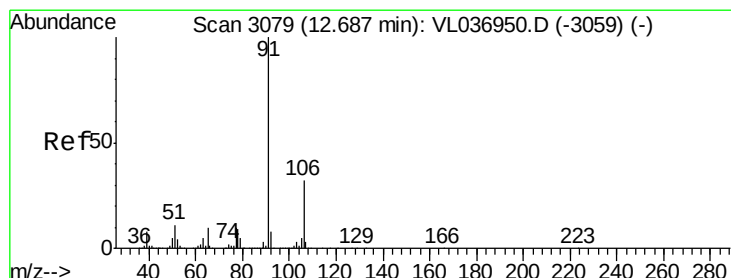
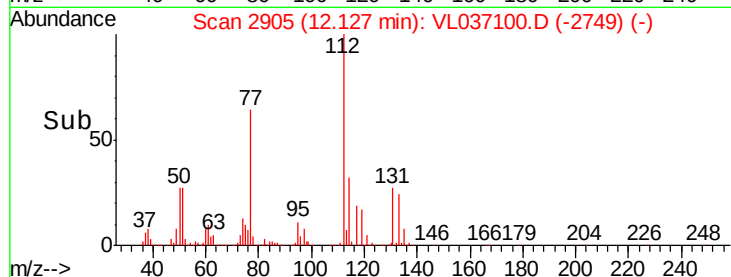
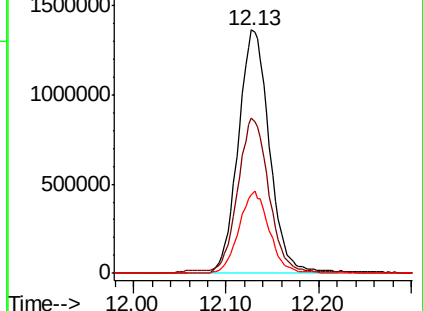
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.339 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL037100.D

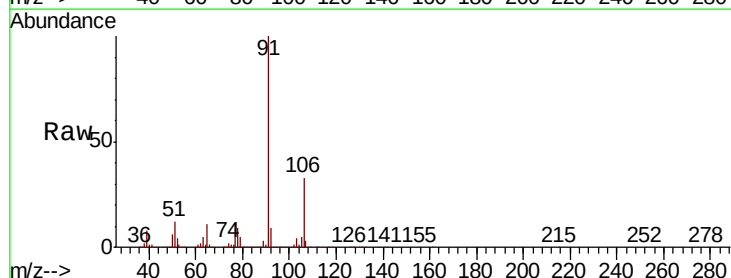
Acq: 2 Jun 2021 13:16

Tgt Ion: 91 Resp: 5488192

Ion Ratio Lower Upper

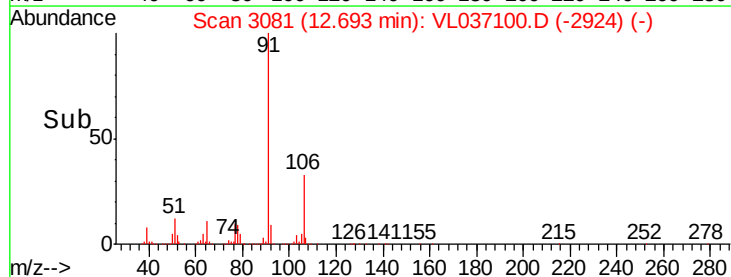
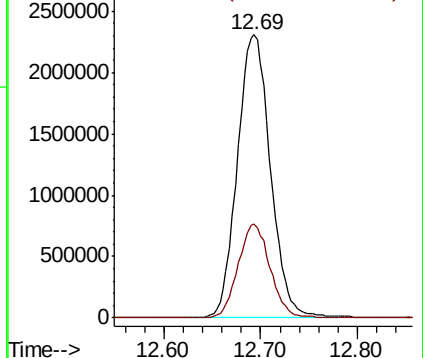
91 100

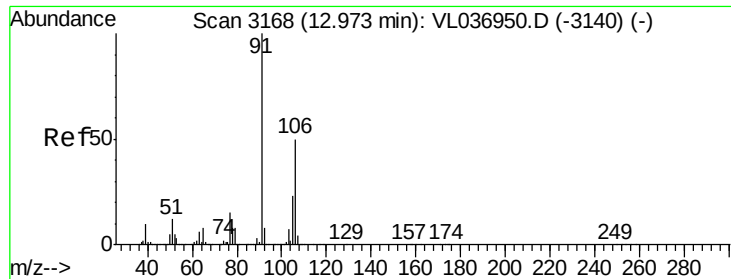
106 33.2 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





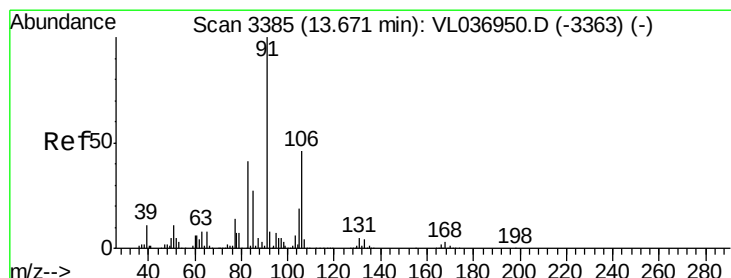
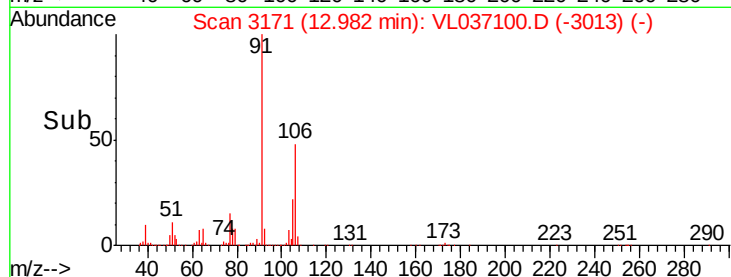
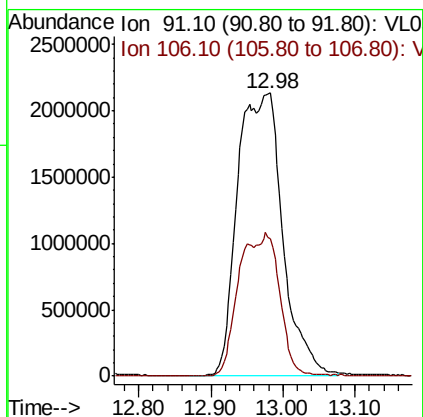
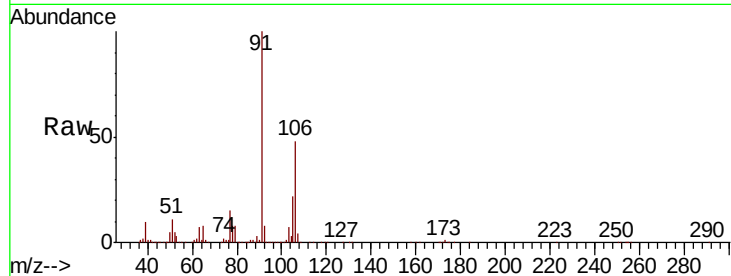
#59
m/p-Xylene
Concen: 19.100 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion: 91 Resp: 9277670
Ion Ratio Lower Upper
91 100
106 45.7 37.4 56.2

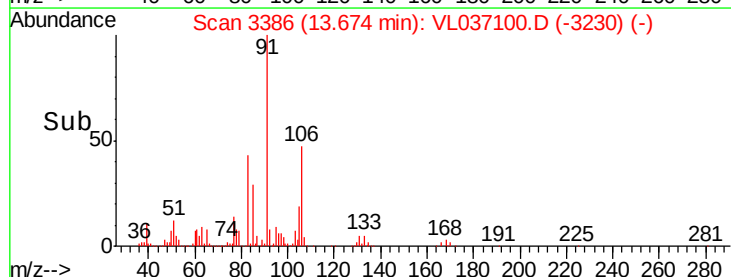
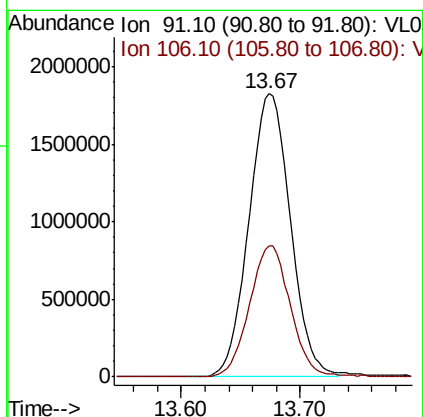
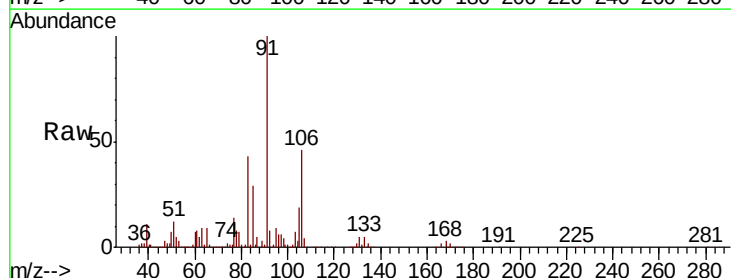
Manual Integrations
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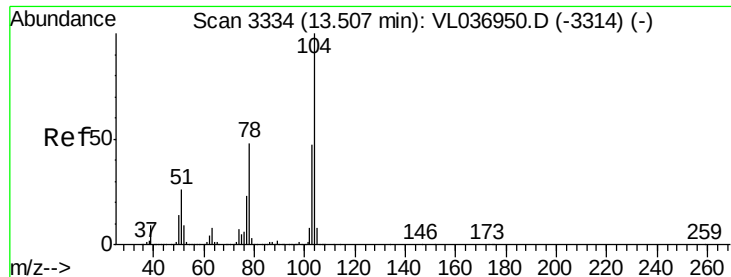
MMDadoda
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#60
o-Xylene
Concen: 9.504 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion: 91 Resp: 4402990
Ion Ratio Lower Upper
91 100
106 46.1 23.4 70.3





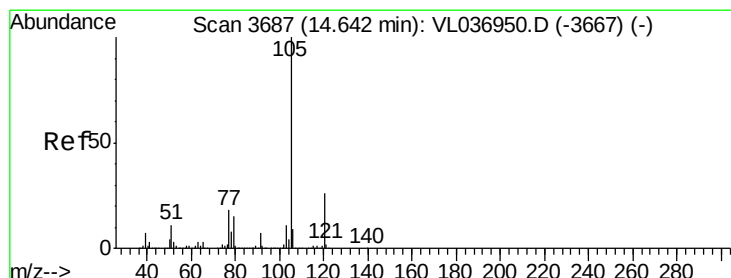
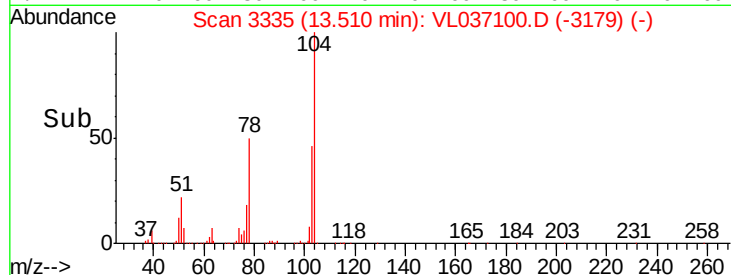
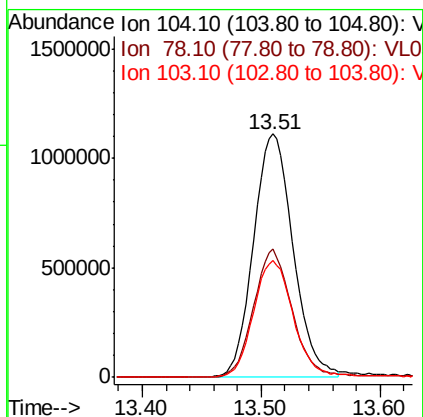
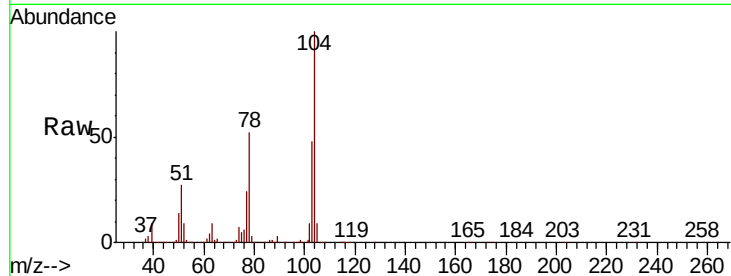
#61
Stvrene
Concen: 9.821 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampled :
VL0602ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.6	39.0	58.6
103	48.6	38.0	57.0

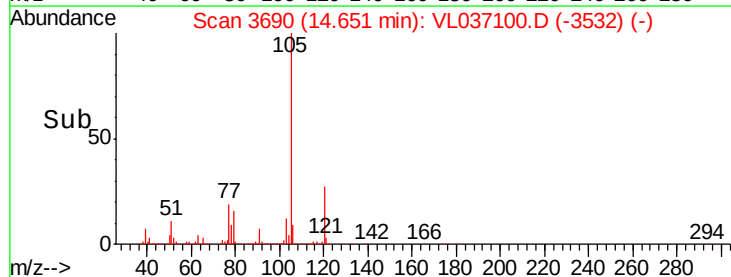
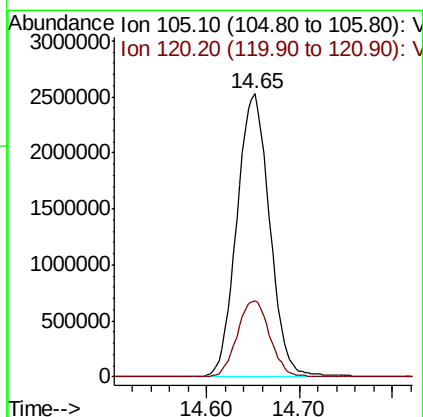
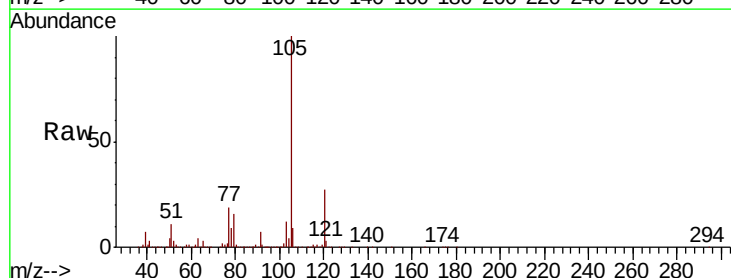
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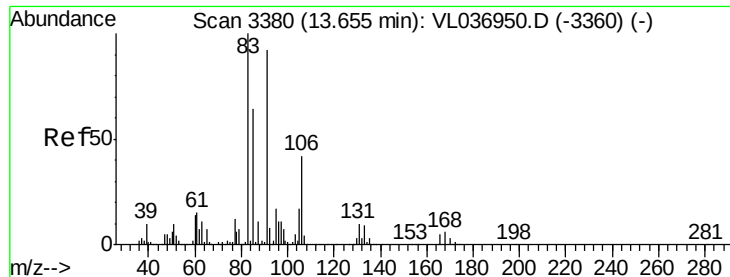
MMDadoda
6/7/2021 3:00:29 PM



#62
Isopropylbenzene
Concen: 9.331 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.01 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 8.655 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.01 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 83 Resp: 2994624

Ion Ratio Lower Upper

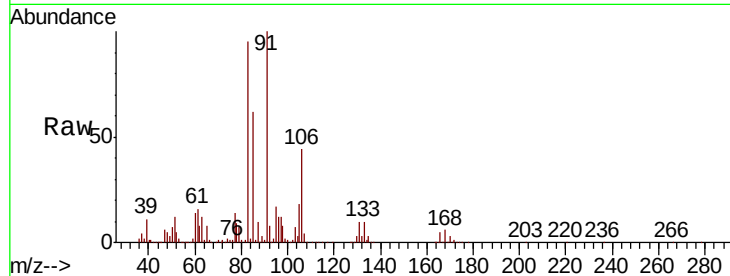
83 100

131 11.0 5.0 15.0

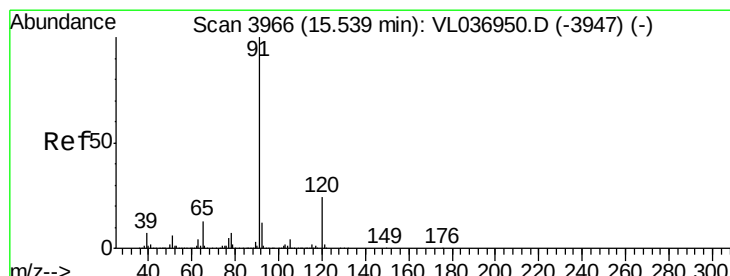
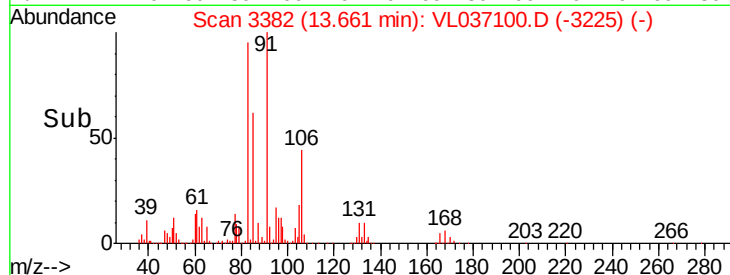
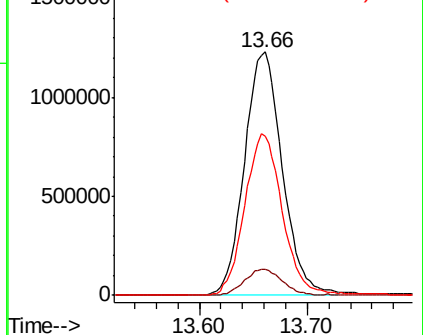
85 66.5 32.9 98.6

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



#64

n-propylbenzene

Concen: 9.802 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037100.D

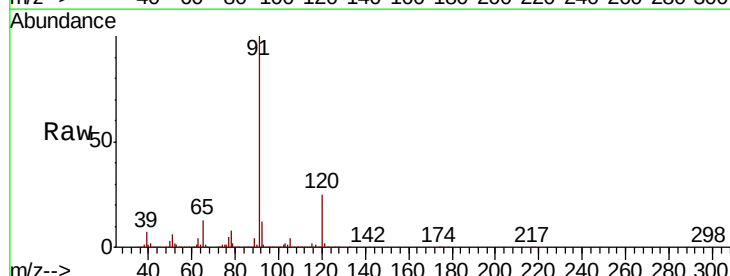
Acq: 2 Jun 2021 13:16

Tgt Ion:120 Resp: 1683856

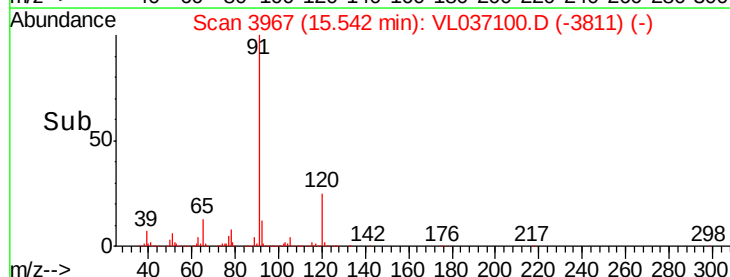
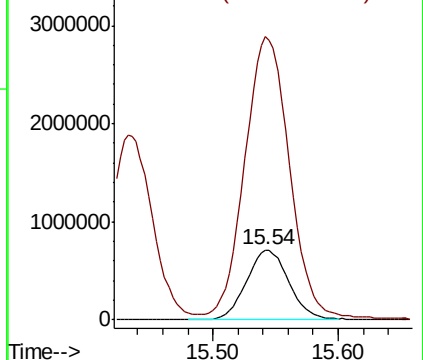
Ion Ratio Lower Upper

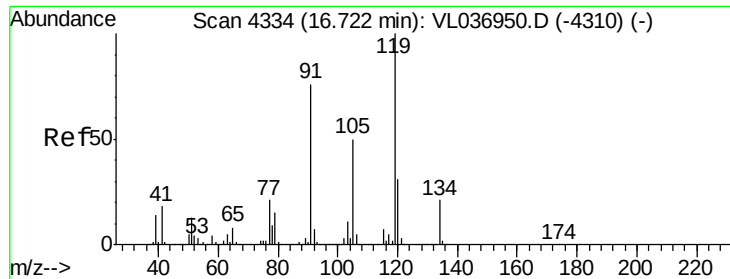
120 100

91 430.0 343.8 515.6



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





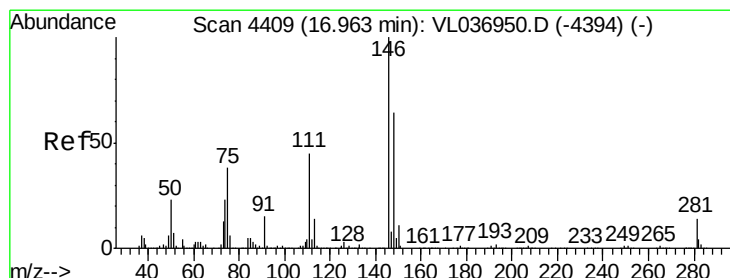
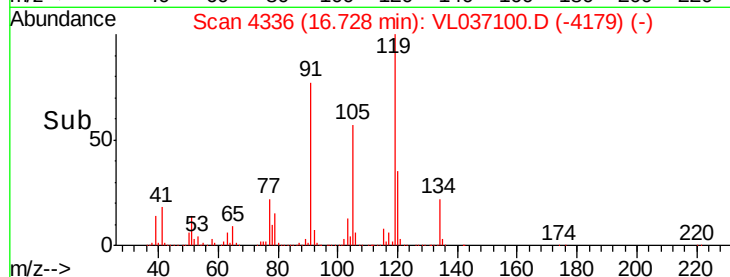
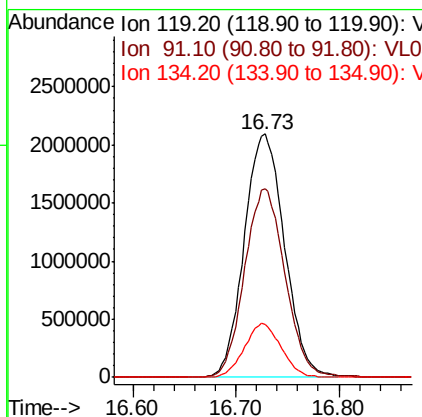
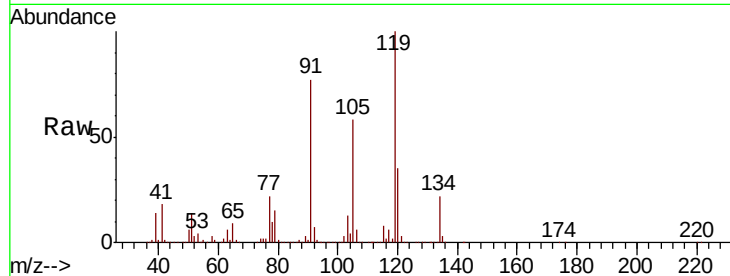
#65
tert-Butylbenzene
Concen: 9.466 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. 0.01 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion:119 Resp: 5686852
Ion Ratio Lower Upper
119 100
91 78.0 61.9 92.9
134 20.2 16.2 24.4

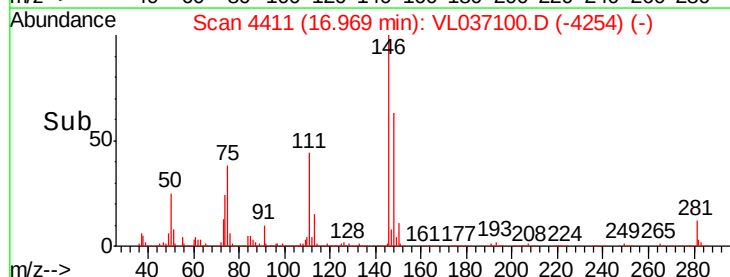
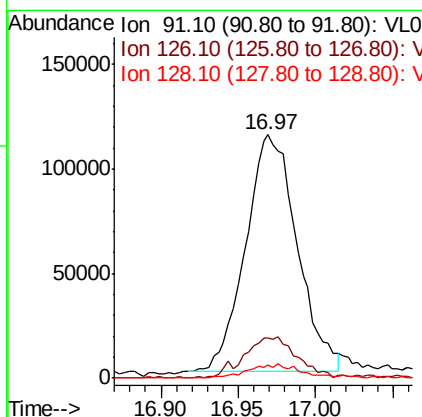
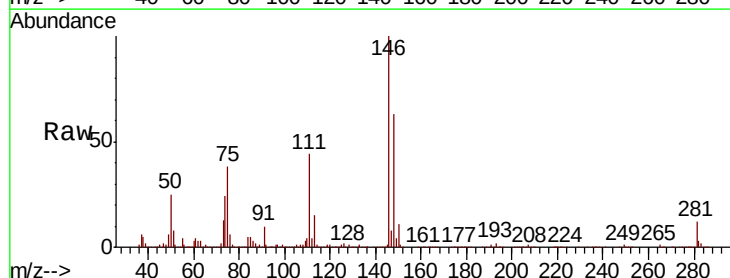
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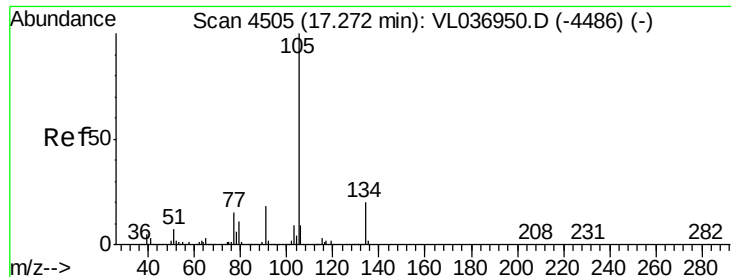
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#66
Benzyl Chloride
Concen: 7.870 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. 0.01 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion: 91 Resp: 262347
Ion Ratio Lower Upper
91 100
126 18.3 16.5 24.7
128 6.4 5.5 8.3





#67

sec-Butylbenzene

Concen: 9.191 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 105 Resp: 7533023

Ion Ratio Lower Upper

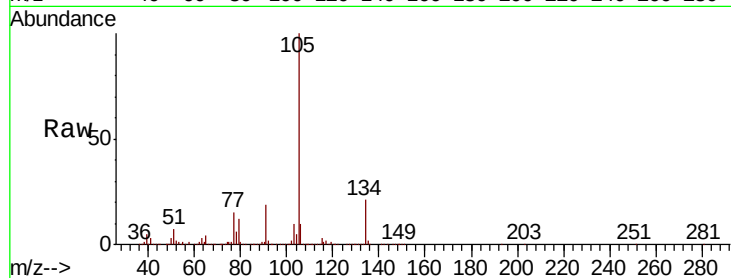
105 100

134 19.9 15.6 23.4

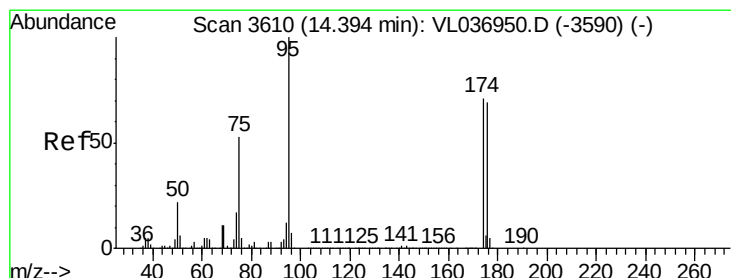
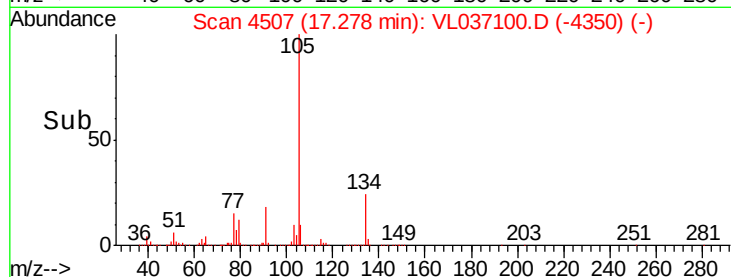
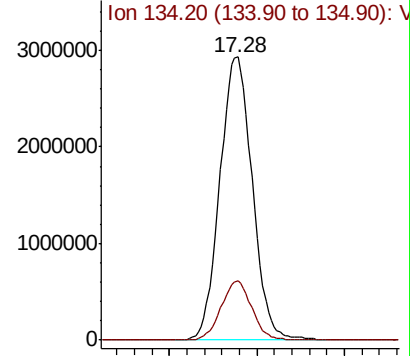
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Abundance Ion 105.10 (104.80 to 105.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.228 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

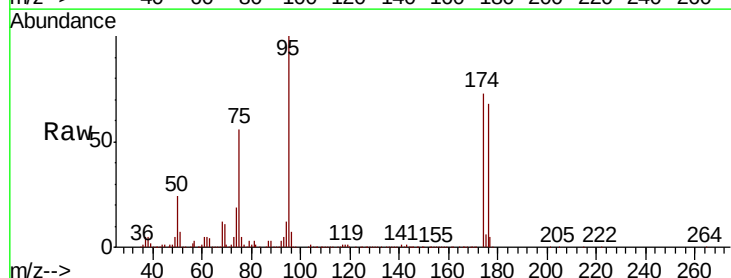
Tgt Ion: 95 Resp: 3198978

Ion Ratio Lower Upper

95 100

174 73.0 58.4 87.6

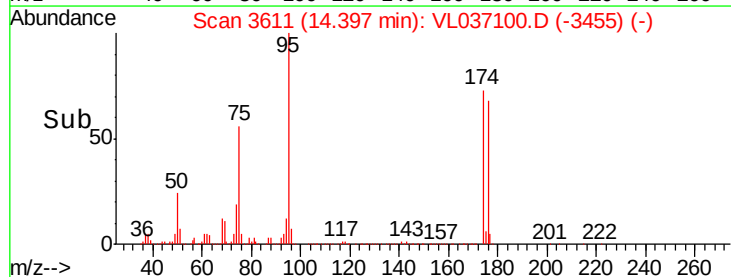
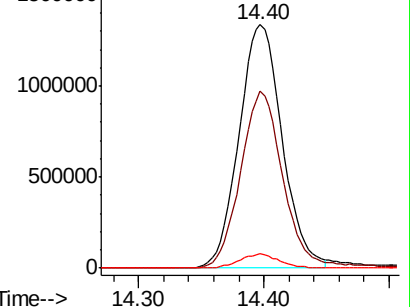
175 5.4 4.4 6.6

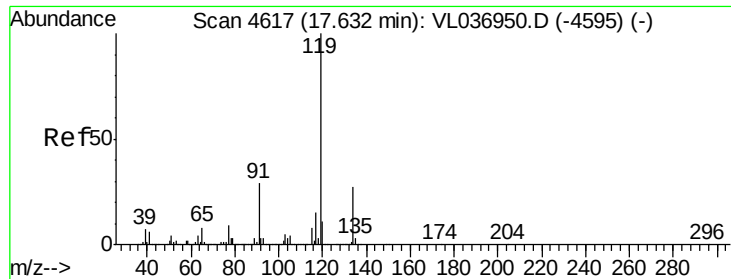


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





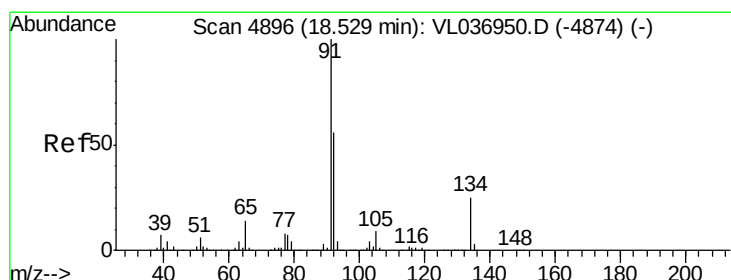
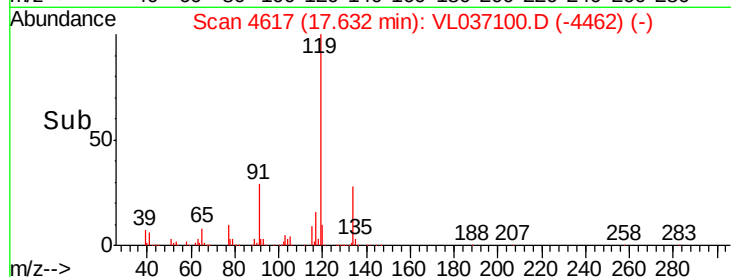
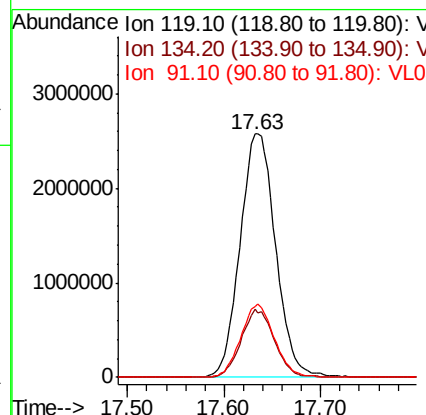
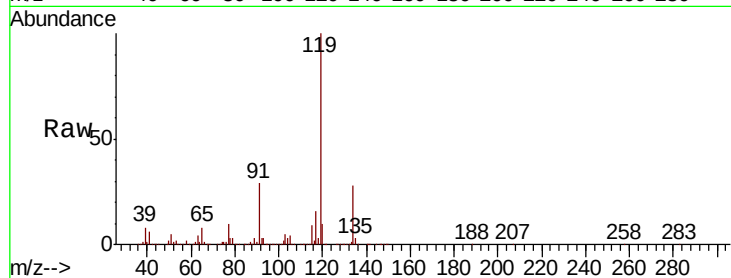
#69
 p-Isopropyltoluene
 Concen: 9.326 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	28.2	22.2	33.4

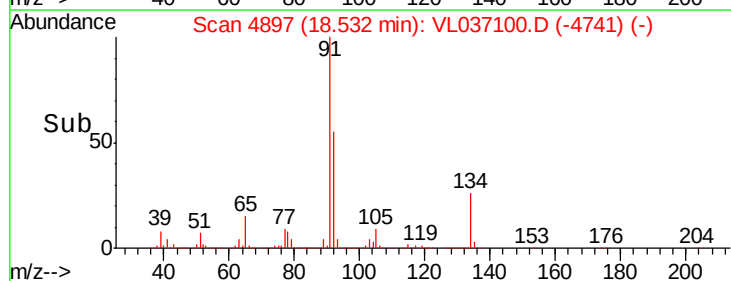
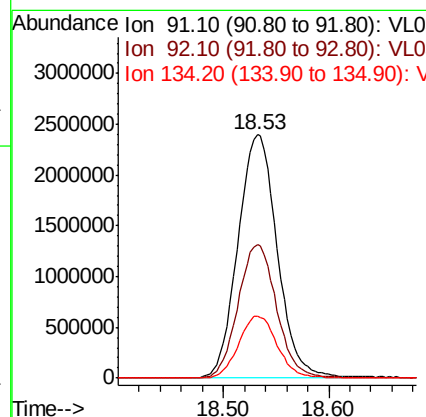
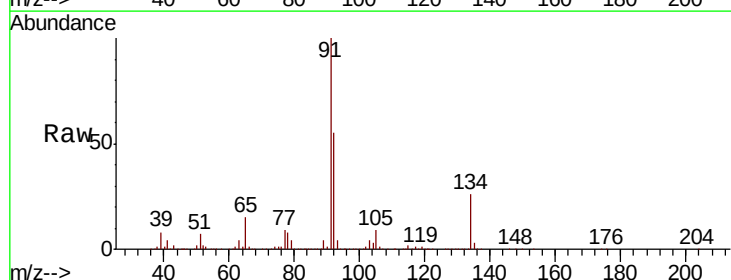
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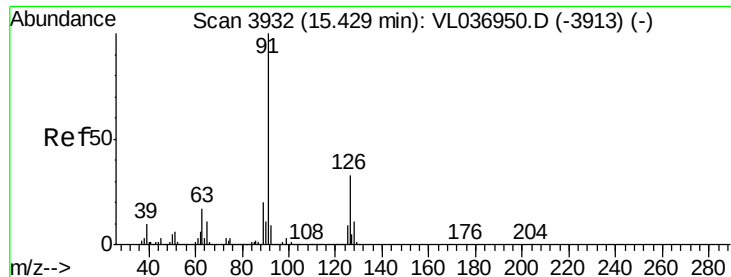
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.240 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.6	66.8
134	25.4	20.2	30.2





#71

2-Chlorotoluene

Concen: 9.450 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Instrument :

MSVOA_L

ClientSampleId :

VL0602ABS01

Tot Ion: 91 Resp: 4544388

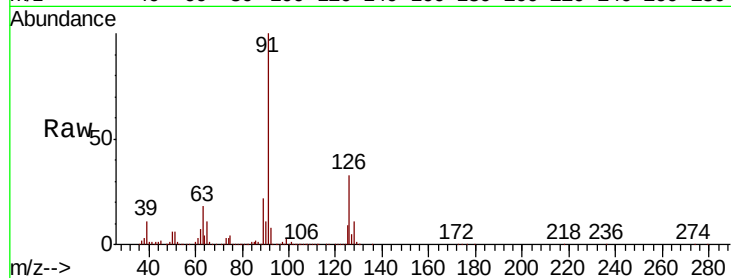
Ion Ratio Lower Upper

91 100

126 33.5 13.1 52.5

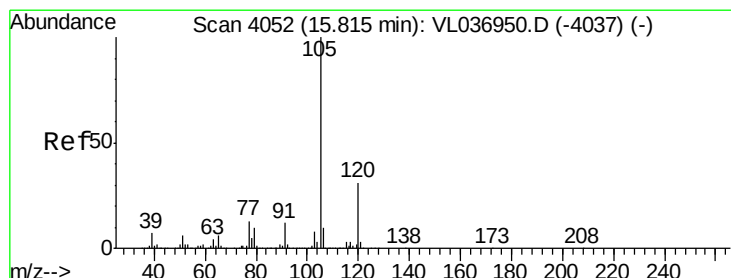
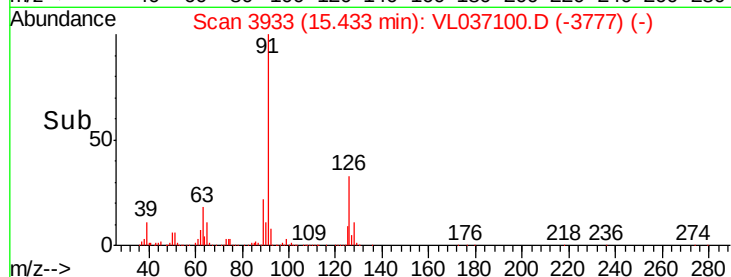
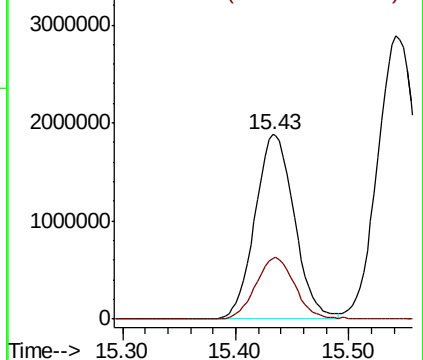
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.839 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. 0.01 min

Lab File: VL037100.D

Acq: 2 Jun 2021 13:16

Tgt Ion: 105 Resp: 5410069

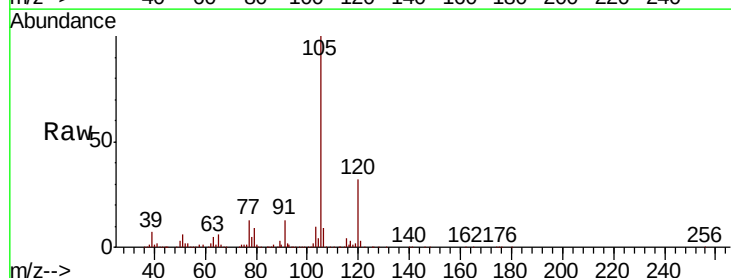
Ion Ratio Lower Upper

105 100

120 30.8 24.6 37.0

91 12.8 9.8 14.6

77 13.5 10.4 15.6

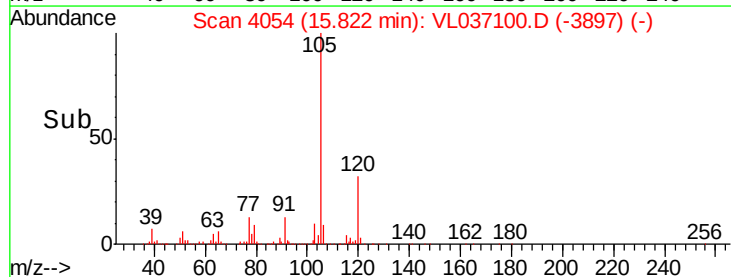
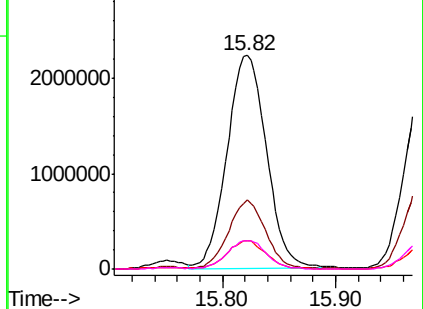


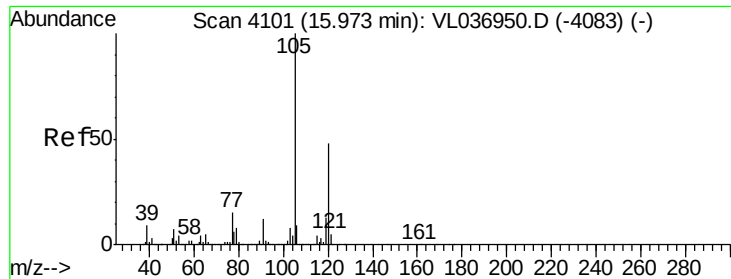
Abundance Ion 105.10 (104.80 to 105.80): V

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





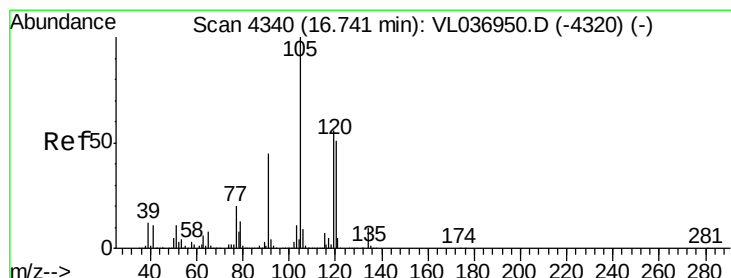
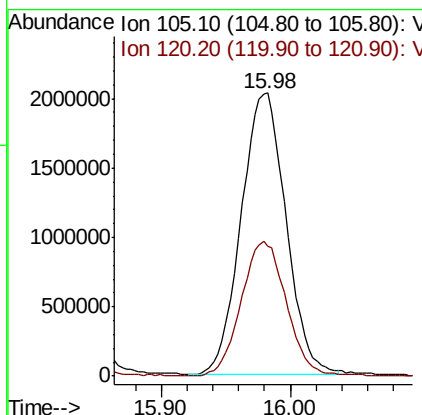
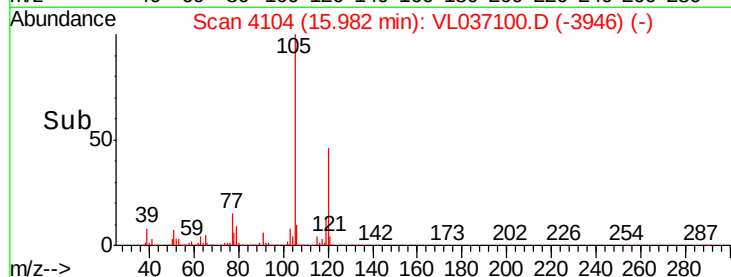
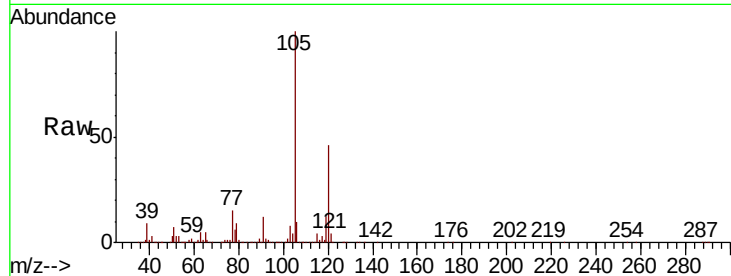
#73
 1,3,5-Trimethylbenzene
 Concen: 9.482 ppbv
 RT: 15.98 min Scan# 4104
 Delta R.T. 0.01 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Tot Ion:105 Resp: 4895905
 Ion Ratio Lower Upper
 105 100
 120 45.9 38.6 58.0

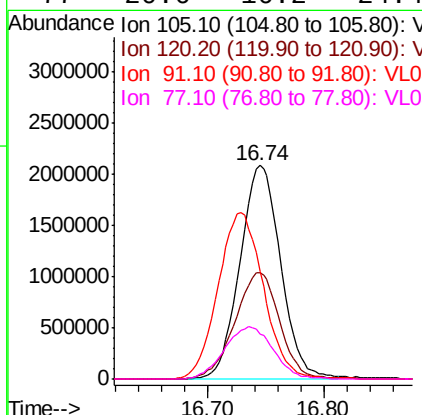
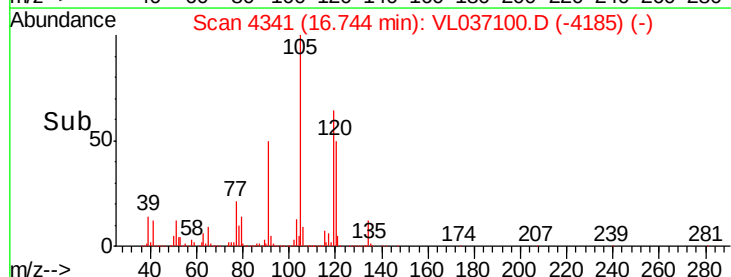
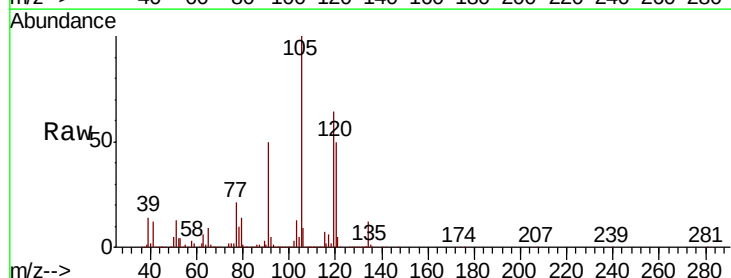
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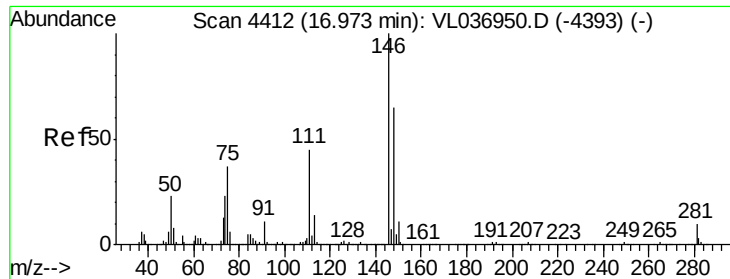
MMDadoda
 6/7/2021 3:00:29 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.524 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Tgt Ion:105 Resp: 5084614
 Ion Ratio Lower Upper
 105 100
 120 49.4 40.6 61.0
 91 50.0 37.4 56.0
 77 20.6 16.2 24.4





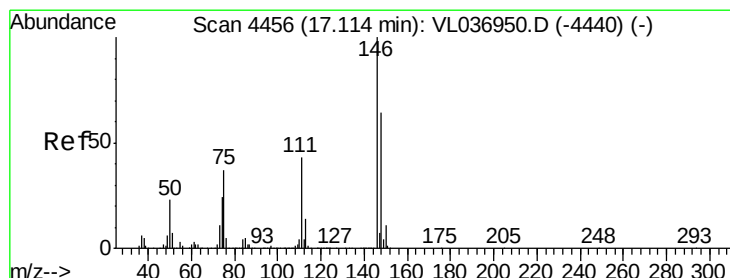
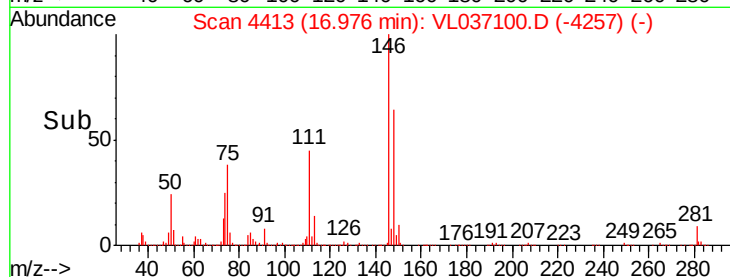
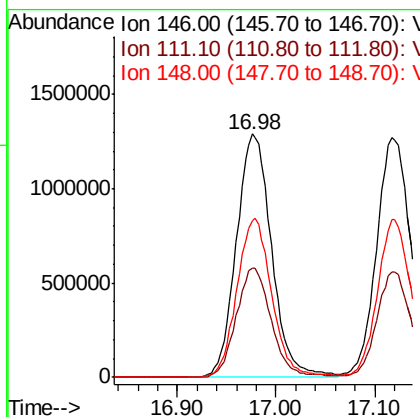
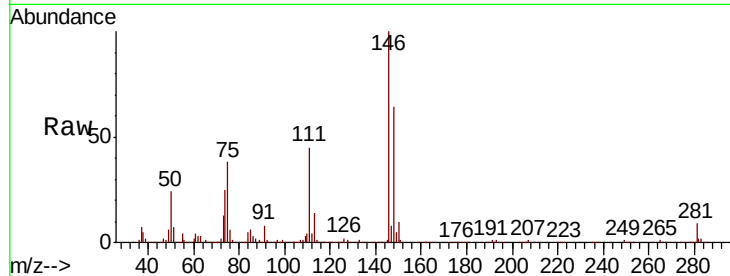
#75
 1,3-Dichlorobenzene
 Concen: 9.778 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Tot Ion:146 Resp: 3187557
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.2 66.6
 148 64.6 32.3 96.8

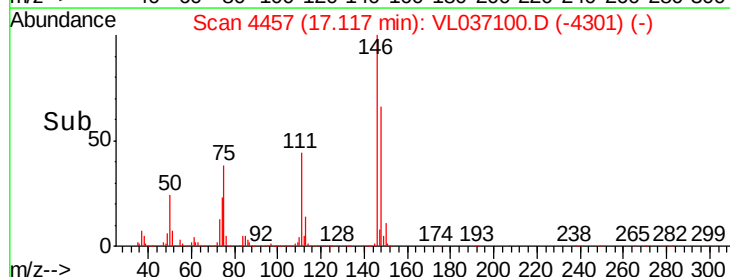
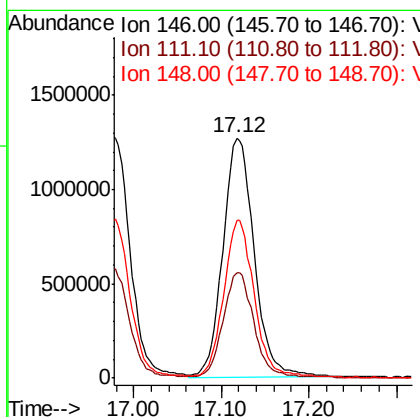
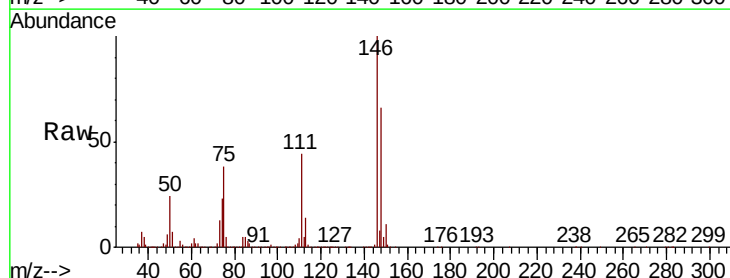
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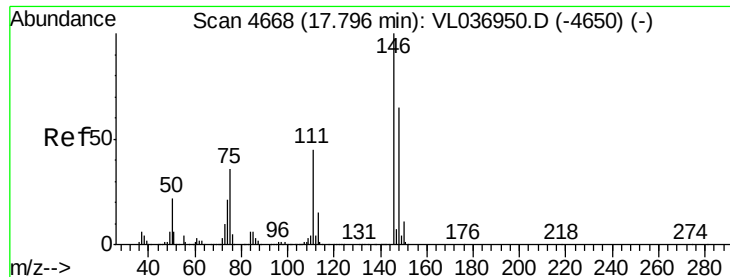
MMDadoda
 6/7/2021 3:00:29 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.544 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Tgt Ion:146 Resp: 3145998
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.6 67.7
 148 64.9 33.5 100.5





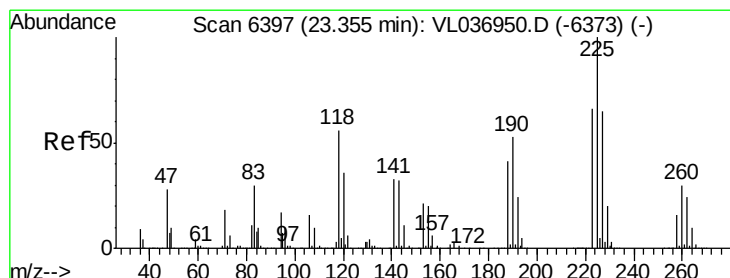
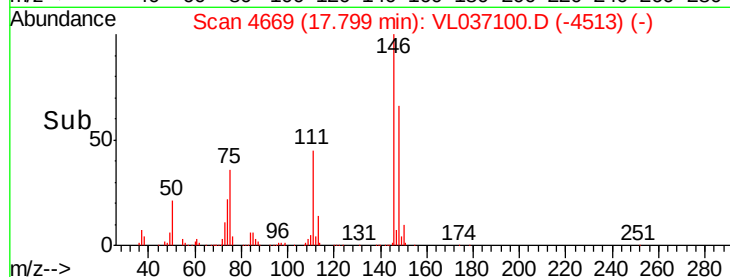
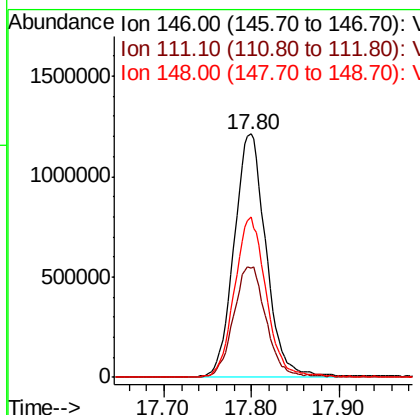
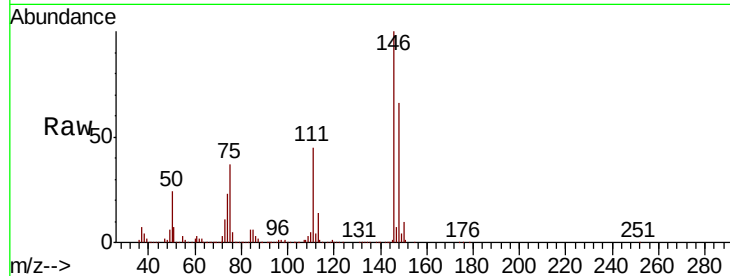
#77
 1,2-Dichlorobenzene
 Concen: 9.368 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Tot Ion:146 Resp: 3060302
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.1 69.2
 148 65.2 32.5 97.4

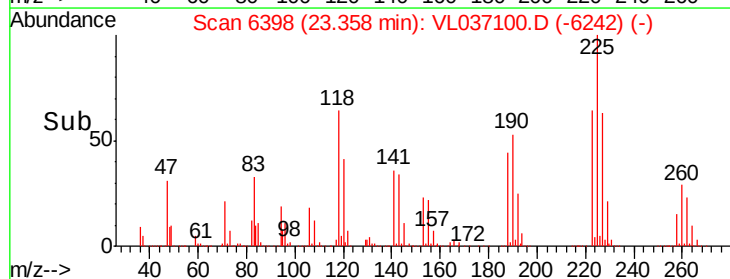
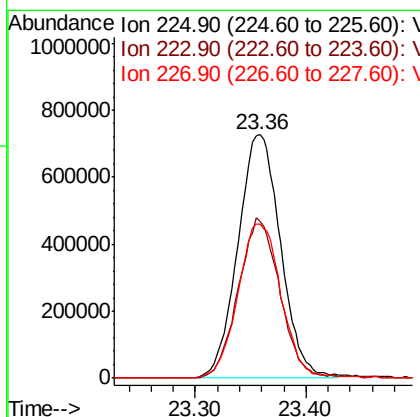
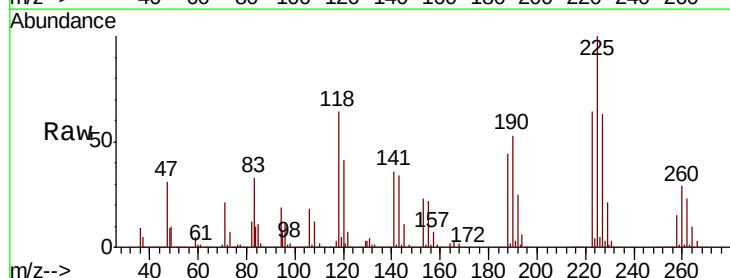
Manual Integrations
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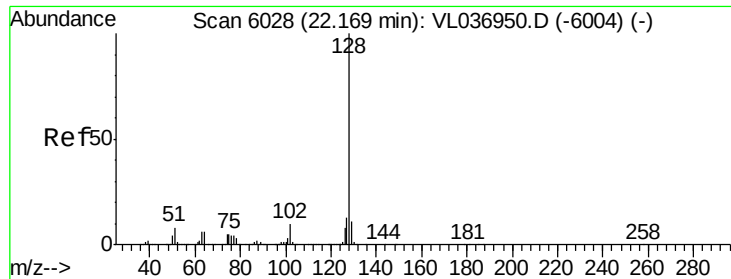
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.412 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Tgt Ion:225 Resp: 1946952
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.9 77.9
 227 64.8 51.8 77.6





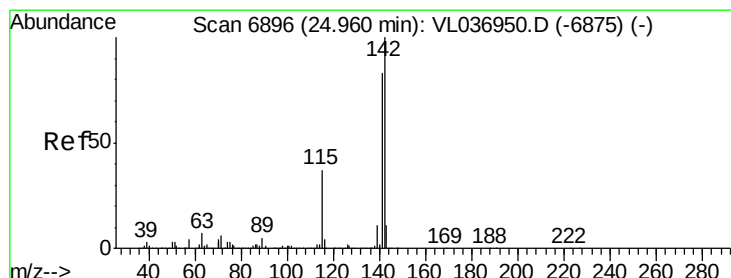
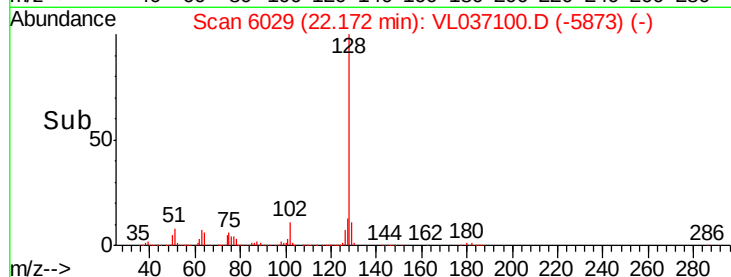
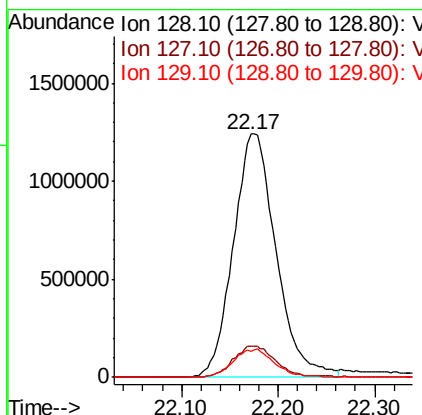
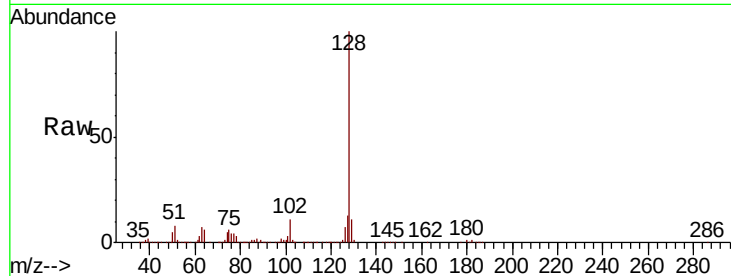
#79
Naphthalene
Concen: 9.043 ppbv
RT: 22.17 min Scan# 6029
Delta R.T. 0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0602ABS01

Tot Ion:128 Resp: 3787903
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 9.0 13.6

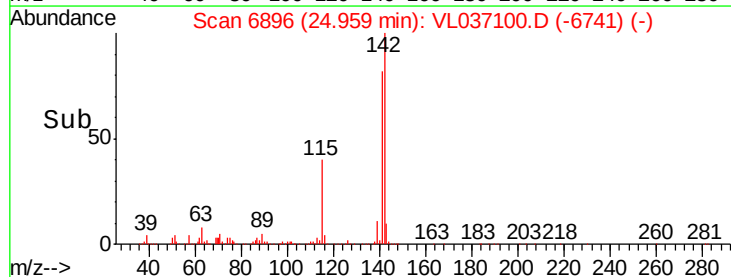
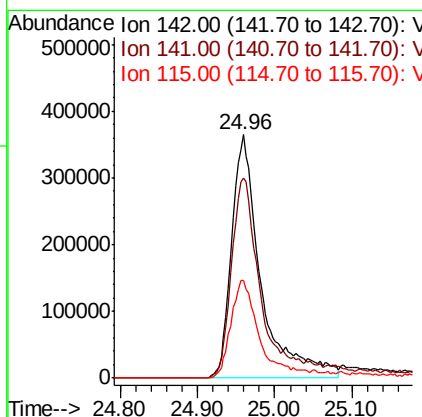
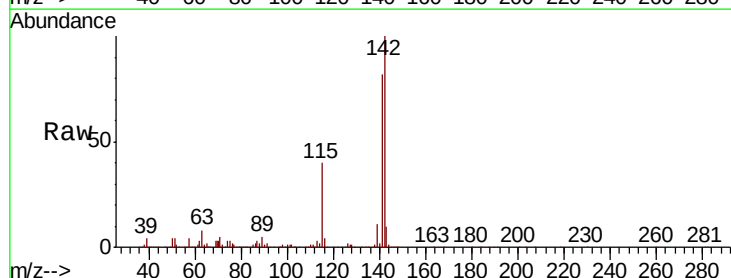
Manual Integrations
APPROVED

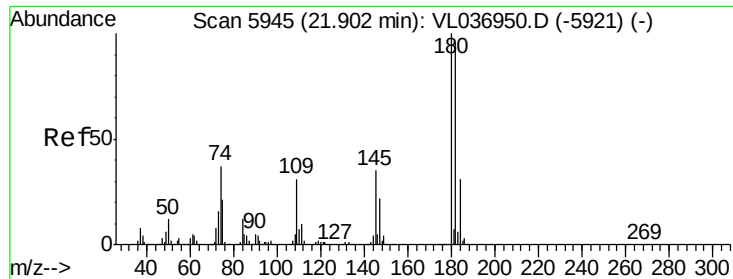
MMDadoda
6/7/2021 3:00:29 PM



#80
Naphthalene, 2-methyl-
Concen: 10.513 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL037100.D
Acq: 2 Jun 2021 13:16

Tgt Ion:142 Resp: 957593
Ion Ratio Lower Upper
142 100
141 91.9 69.3 103.9
115 41.7 29.1 43.7





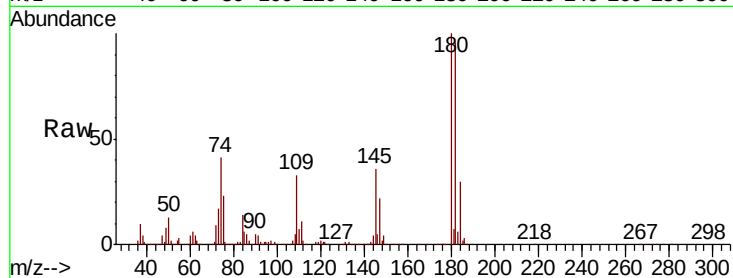
#81
 1,2,4-Trichlorobenzene
 Concen: 8.572 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.00 min
 Lab File: VL037100.D
 Acq: 2 Jun 2021 13:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	81.7	122.5
184	31.5	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 3:00:29 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

