

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037246.D
 Acq On : 29 Jun 2021 12:57
 Operator : SY/AP
 Sample : VL0629ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0629ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:38:04 PM

Quant Time: Jun 29 13:56:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1635103	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4871181	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4230387m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3623859	11.30	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2352931	8.274 ppbv	98
3) Chlorodifluoromethane	2.98	51	2717233	8.546 ppbv	98
4) Chloromethane	3.13	50	928352	8.761 ppbv	100
5) Vinyl Chloride	3.25	62	1002961	8.612 ppbv	99
6) Bromomethane	3.47	94	556507	8.010 ppbv	99
7) Chloroethane	3.55	64	371095	8.915 ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	2590582	8.880 ppbv	100
9) Propene	3.00	41	851474	8.376 ppbv	100
10) Heptane	8.11	43	2189840	8.894 ppbv	99
11) Trichlorofluoromethane	3.94	101	2778315	9.156 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1997420	9.338 ppbv	98
13) Ethanol	3.61	45	112622m	7.162 ppbv	
14) Bromoethene	3.73	108	834650	9.350 ppbv	98
15) Acetone	3.84	43	1359267	7.372 ppbv	98
16) 1,3-Butadiene	3.32	39	999953	9.173 ppbv	99
17) tert-Butyl alcohol	4.29	59	1546172	9.073 ppbv	98
18) 1,1-Dichloroethene	4.28	96	892520	9.417 ppbv	98
19) Isopropyl Alcohol	3.96	45	856184	7.666 ppbv #	98
20) Methylene Chloride	4.34	84	779087m	7.058 ppbv	
21) Allyl Chloride	4.40	41	1208752	8.697 ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	907344	9.674 ppbv	95
23) Vinyl Acetate	5.06	43	2150818	8.135 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1832478	8.609 ppbv	100
25) Ethyl Acetate	5.67	43	3475389	8.706 ppbv	99
26) Hexane	5.68	57	1690521	8.379 ppbv	98
27) Carbon Disulfide	4.54	76	2054687	10.395 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1936322	7.983 ppbv	100
29) Chloroform	5.74	83	2777155	8.911 ppbv	97
30) Cyclohexane	7.12	84	1471135	8.752 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1648321	8.891 ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2926756	8.776 ppbv	100
34) 2-Butanone	5.24	43	1605990	8.477 ppbv	98
35) Carbon Tetrachloride	7.01	117	3147953	9.635 ppbv	99
36) Benzene	6.88	78	3451533	8.763 ppbv	97
37) 1,2-Dichloroethane	6.29	62	2071216	9.052 ppbv	100
38) Trichloroethene	7.83	130	1500526	8.014 ppbv	98
39) 1,2-Dichloropropane	7.60	63	1315023	8.984 ppbv	98
40) 1,4-Dioxane	7.83	88	295734	7.368 ppbv #	42
41) Tetrahydrofuran	6.04	42	803073	9.126 ppbv	98
42) Bromodichloromethane	7.78	83	2959639	9.376 ppbv	99
43) Methyl Methacrylate	8.01	69	1263656	9.289 ppbv	98

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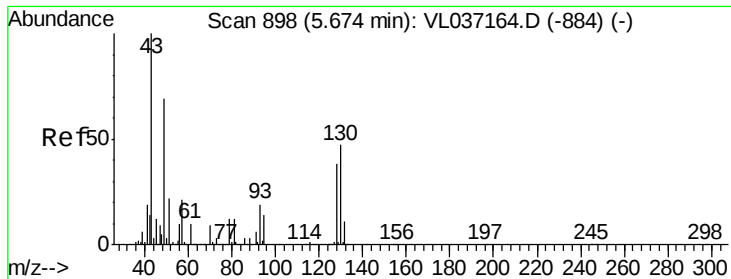
Manual Integrations
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Quant Time: Jun 29 13:56:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5723086	8.628	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	933785	7.780	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1196567	7.288	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1494500	8.950	ppbv	99
48) Dibromochloromethane	10.29	129	2724793	10.337	ppbv	99
49) Bromoform	13.03	173	2190119	11.152	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2493980	9.584	ppbv	99
51) 2-Hexanone	10.13	43	1219633	9.633	ppbv #	97
52) Tetrachloroethene	11.21	164	1423866	7.779	ppbv	96
53) Toluene	9.79	91	4184570	8.894	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2230130	9.293	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1837589	9.935	ppbv	97
57) Chlorobenzene	12.13	112	3186181	9.287	ppbv	98
58) Ethyl Benzene	12.70	91	5563757	9.554	ppbv	99
59) m/p-Xylene	12.98	91	9509094m	19.268	ppbv	
60) o-Xylene	13.68	91	4509367	9.596	ppbv	100
61) Styrene	13.51	104	2532016	10.440	ppbv	98
62) Isopropylbenzene	14.65	105	6327066	9.468	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3041975	9.722	ppbv	99
64) n-propylbenzene	15.55	120	1694205	10.124	ppbv	96
65) tert-Butylbenzene	16.73	119	5749692	9.701	ppbv	98
66) Benzyl Chloride	16.97	91	234559	9.339	ppbv	99
67) sec-Butylbenzene	17.28	105	7642965	9.671	ppbv	100
69) p-Isopropyltoluene	17.64	119	6642639	9.951	ppbv	99
70) n-Butylbenzene	18.54	91	6300250	10.198	ppbv	99
71) 2-Chlorotoluene	15.44	91	4594424	9.834	ppbv	99
72) 4-Ethyltoluene	15.82	105	5399326	10.114	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4998769	9.687	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	5215085	9.808	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	3136753	9.703	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3014921	9.337	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	3028243	9.683	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2008920	7.471	ppbv	99
79) Naphthalene	22.18	128	3716801	8.384	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	803170	6.908	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	2214765	8.658	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 49 Resp: 1635103

Ion Ratio Lower Upper

49 100

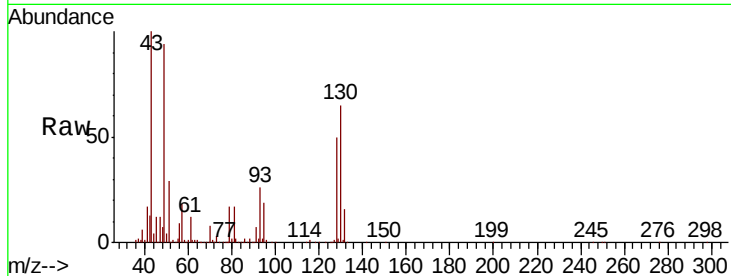
128 58.7 29.3 88.0

130 74.0 35.9 107.8

Manual Integrations
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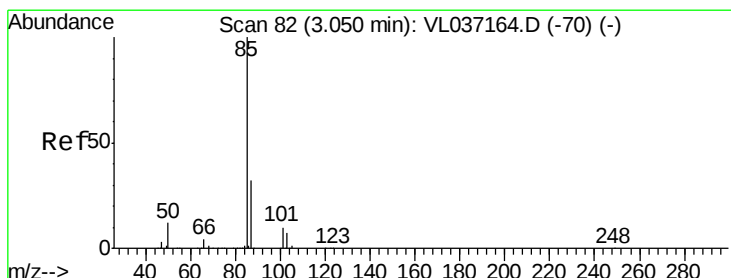
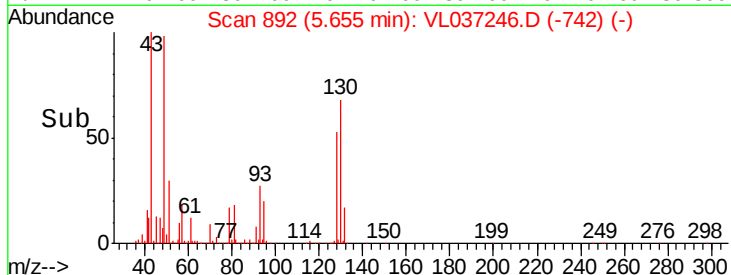
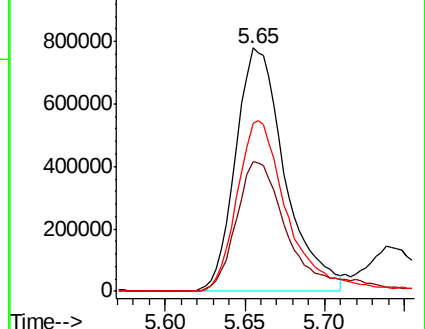
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.274 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037246.D

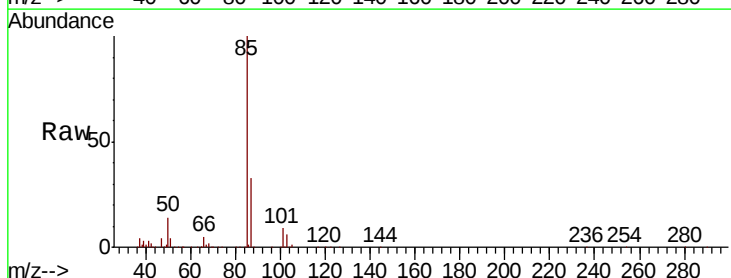
Acq: 29 Jun 2021 12:57

Tgt Ion: 85 Resp: 2352931

Ion Ratio Lower Upper

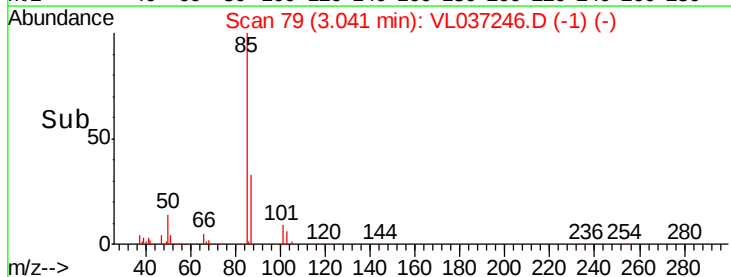
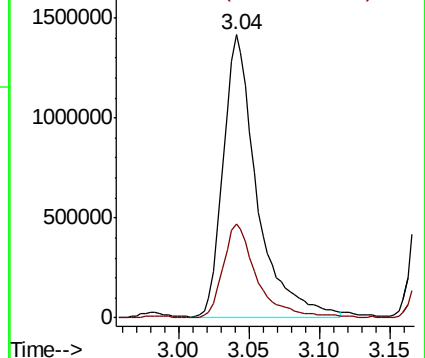
85 100

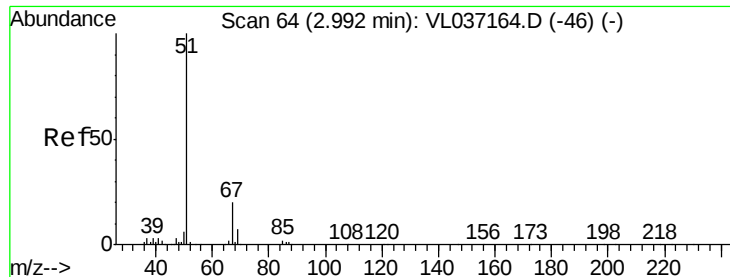
87 33.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





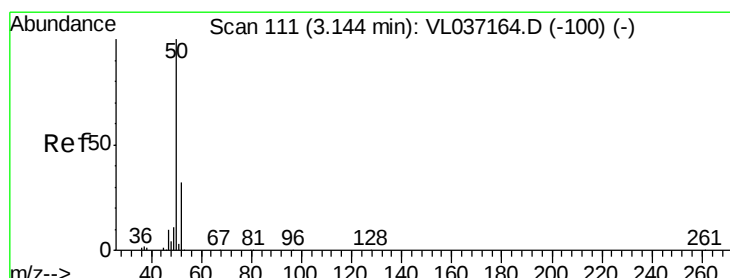
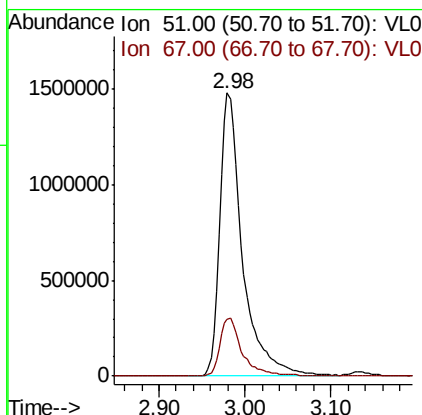
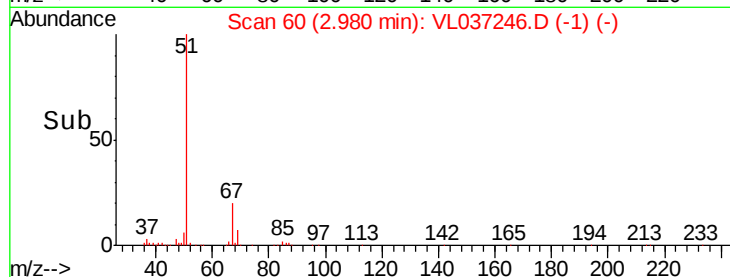
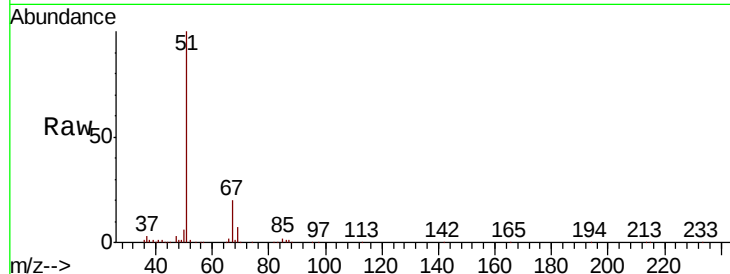
#3
Chlorodifluoromethane
Concen: 8.546 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 51 Resp: 2717233
Ion Ratio Lower Upper
51 100
67 20.4 15.8 23.6

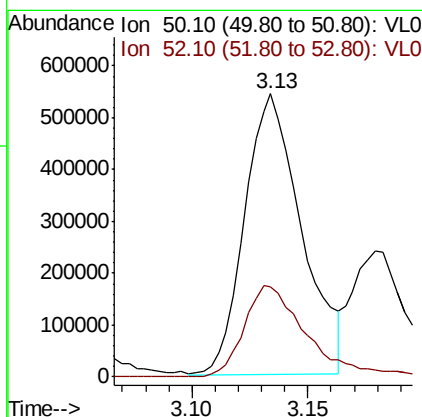
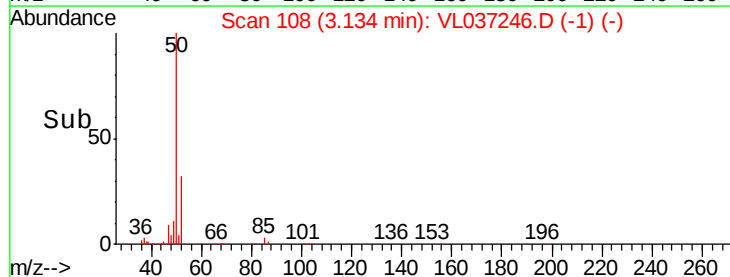
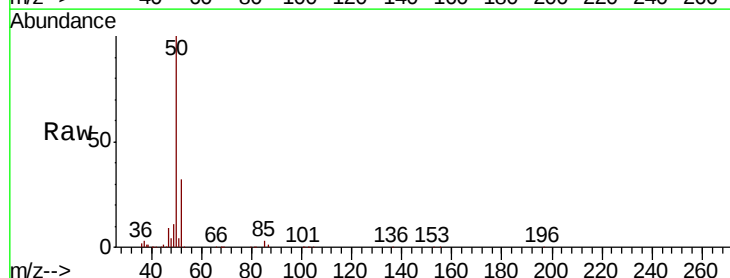
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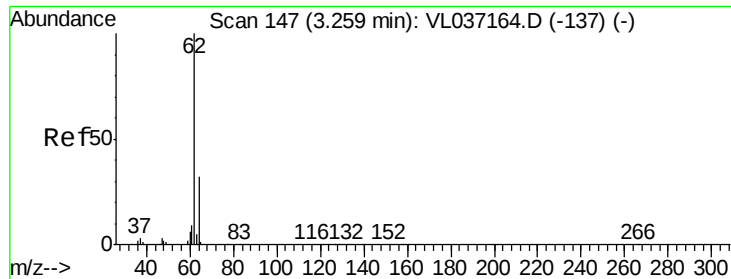
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#4
Chloromethane
Concen: 8.761 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 50 Resp: 928352
Ion Ratio Lower Upper
50 100
52 32.2 25.8 38.8





#5

Vinyl Chloride

Concen: 8.612 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 62 Resp: 1002961

Ion Ratio Lower Upper

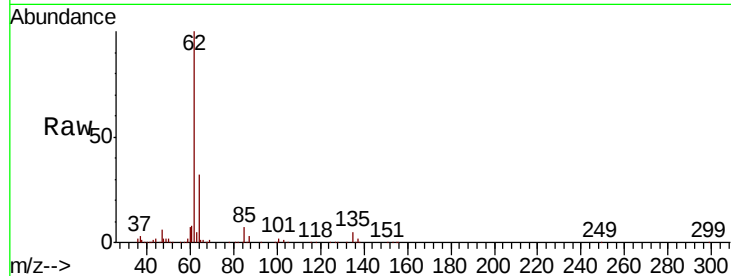
62 100

64 32.4 25.6 38.4

Manual Integrations
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

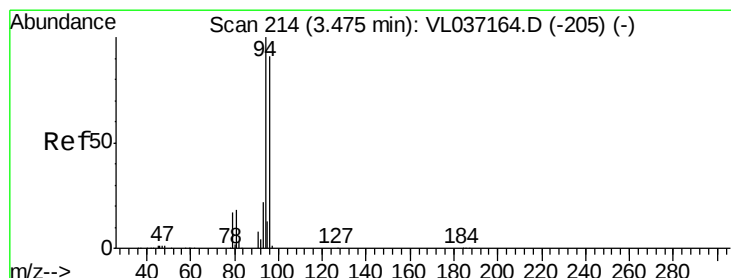
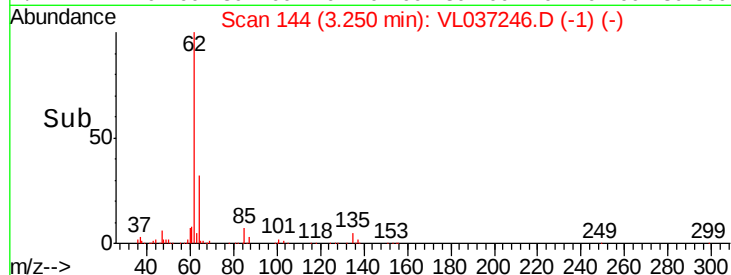
400000

200000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 8.010 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL037246.D

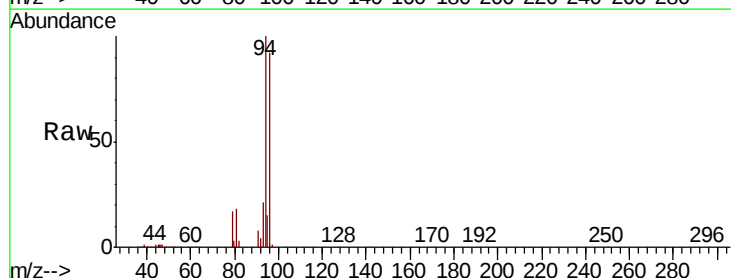
Acq: 29 Jun 2021 12:57

Tgt Ion: 94 Resp: 556507

Ion Ratio Lower Upper

94 100

96 92.1 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

300000

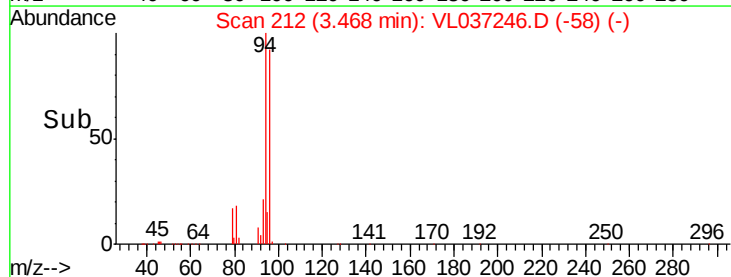
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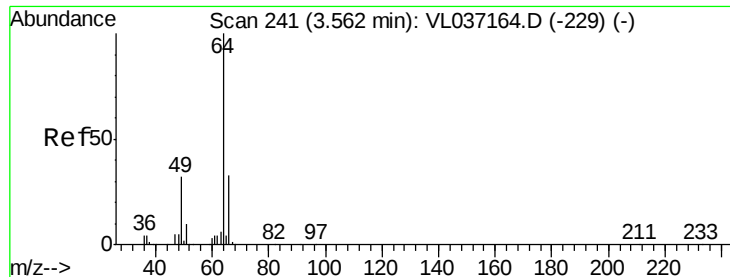
100000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 8.915 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 64 Resp: 371095

Ion Ratio Lower Upper

64 100

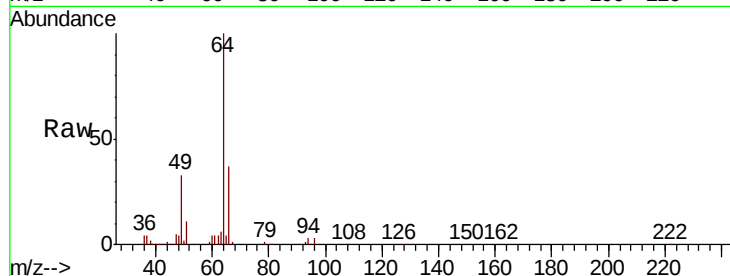
66 36.9 26.2 39.4

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

3.55

200000

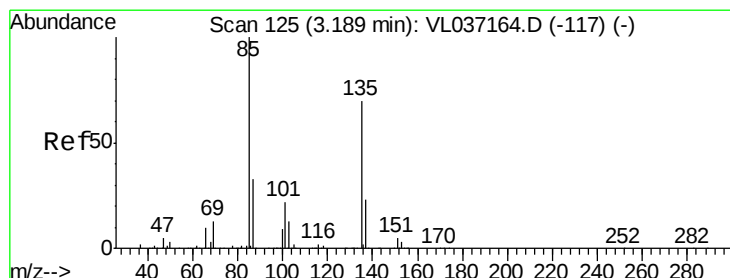
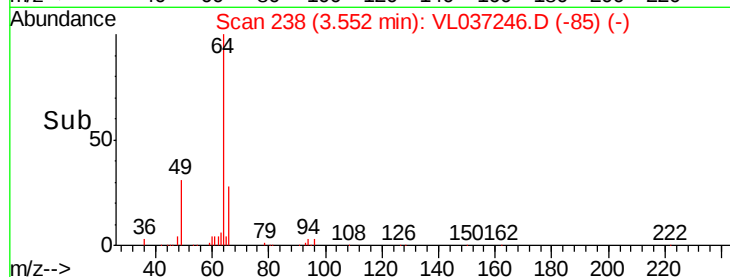
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100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.880 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL037246.D

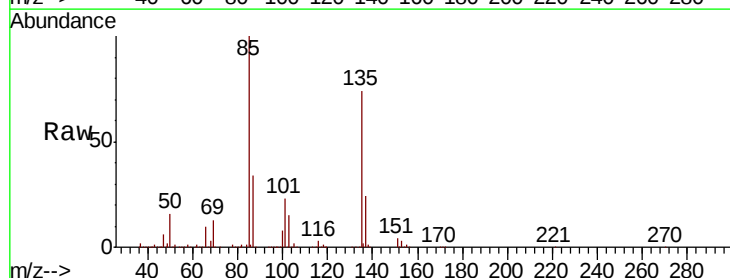
Acq: 29 Jun 2021 12:57

Tgt Ion: 85 Resp: 2590582

Ion Ratio Lower Upper

85 100

135 75.2 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

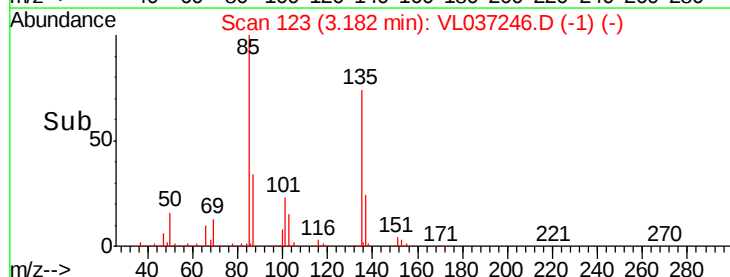
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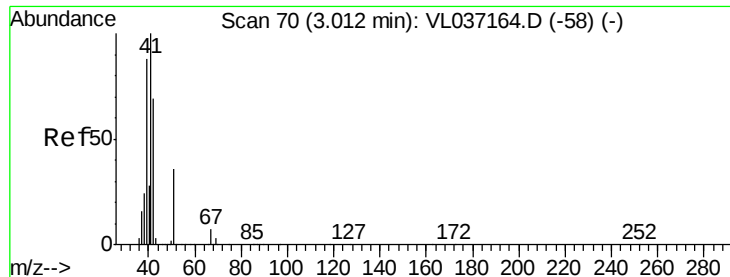
1000000

500000

0

Time-->





#9

Propene

Concen: 8.376 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 41 Resp: 851474

Ion Ratio Lower Upper

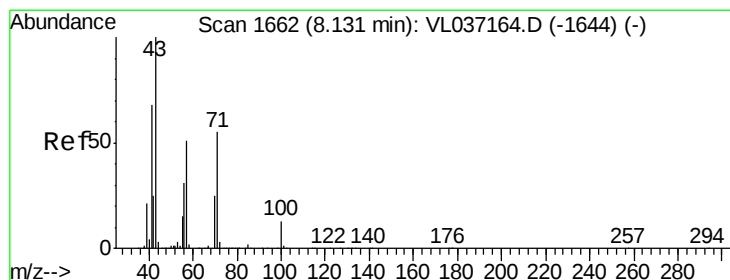
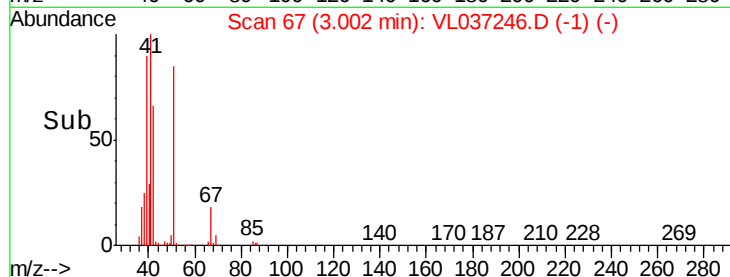
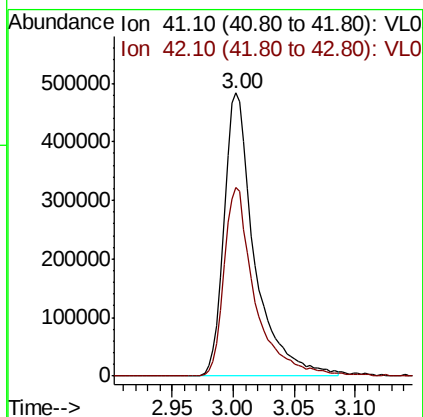
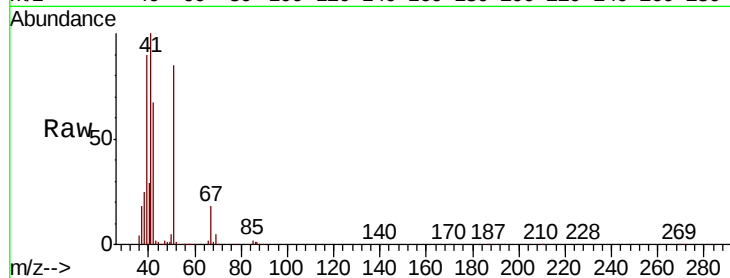
41 100

42 67.9 54.5 81.7

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#10

Heptane

Concen: 8.894 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL037246.D

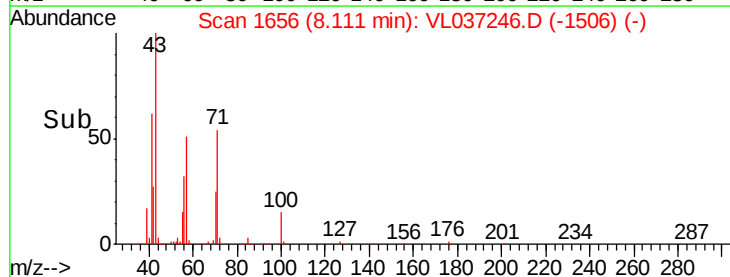
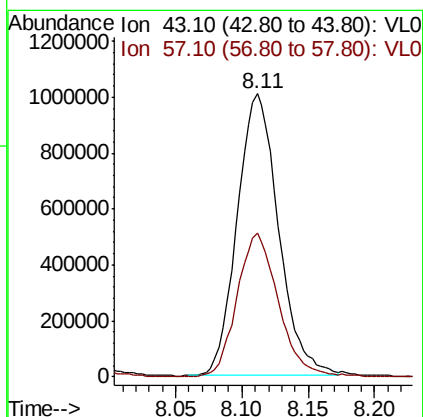
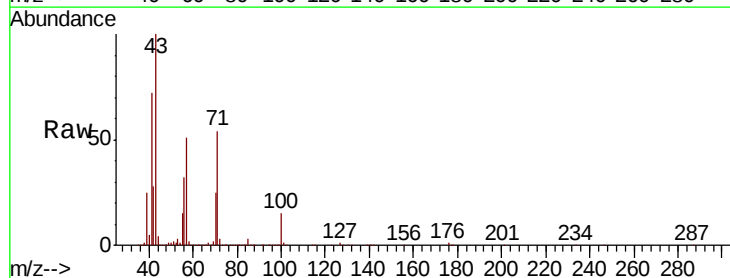
Acq: 29 Jun 2021 12:57

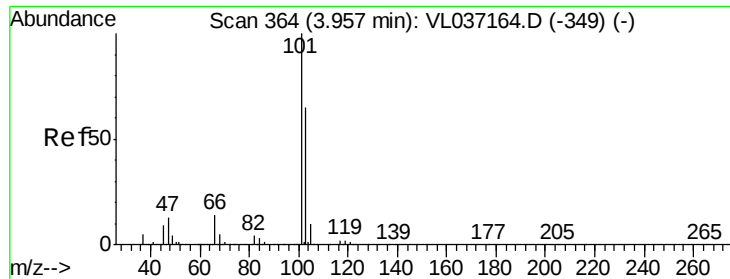
Tgt Ion: 43 Resp: 2189840

Ion Ratio Lower Upper

43 100

57 51.2 40.6 61.0





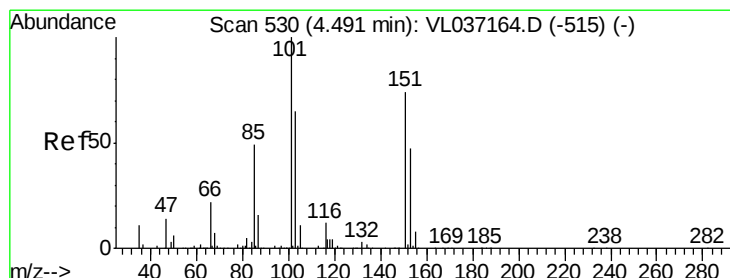
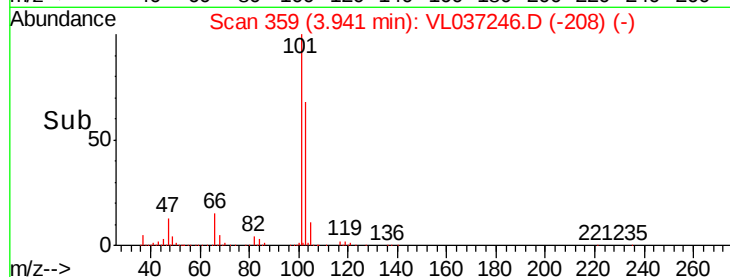
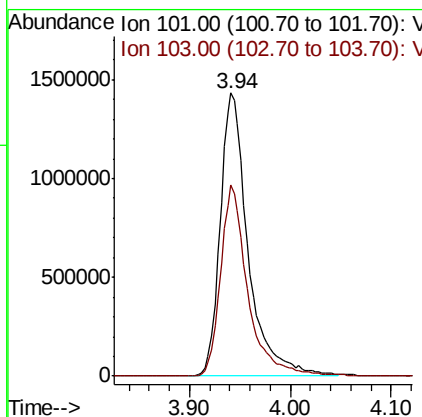
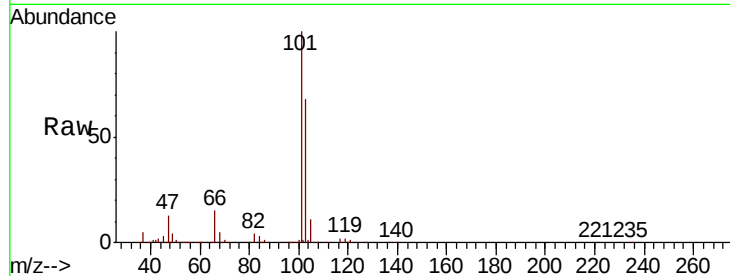
#11
 Trichlorofluoromethane
 Concen: 9.156 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion:101 Resp: 2778315
 Ion Ratio Lower Upper
 101 100
 103 67.6 52.2 78.4

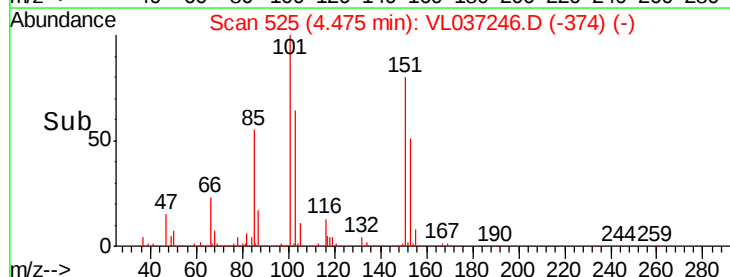
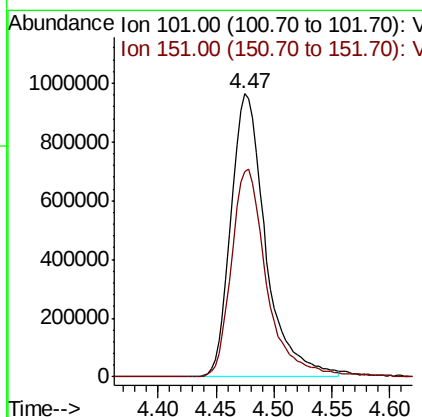
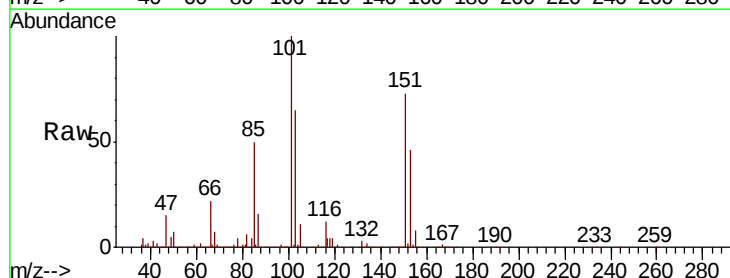
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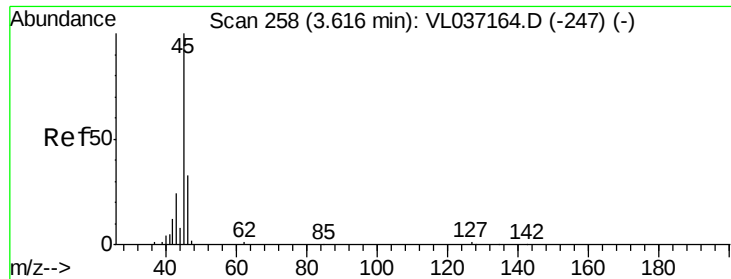
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.338 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion:101 Resp: 1997420
 Ion Ratio Lower Upper
 101 100
 151 75.2 59.1 88.7





#13

Ethanol

Concen: 7.162 ppbv m

RT: 3.61 min Scan# 256

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 45 Resp: 112622

Ion Ratio Lower Upper

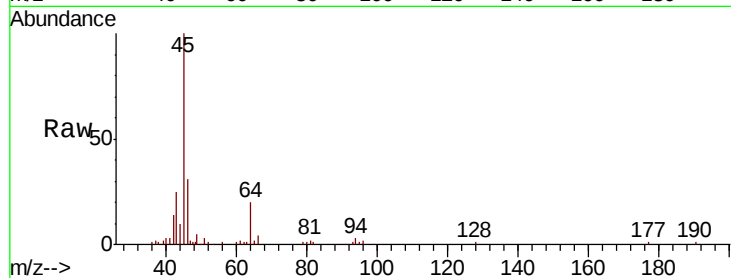
45 100

46 37.9 34.2 137.0

Manual Integrations
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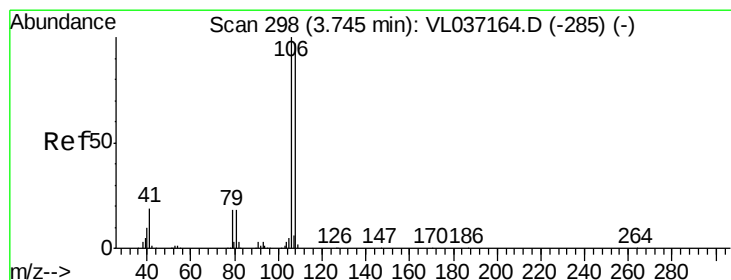
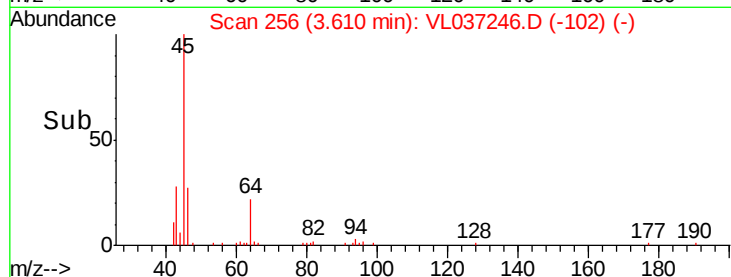
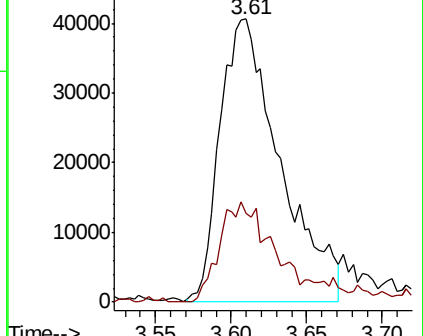
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.350 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

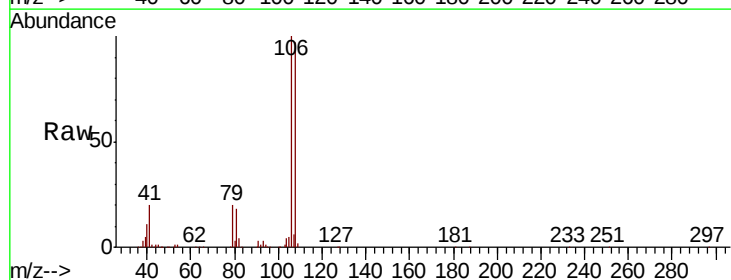
Tgt Ion: 108 Resp: 834650

Ion Ratio Lower Upper

108 100

106 106.7 86.8 130.2

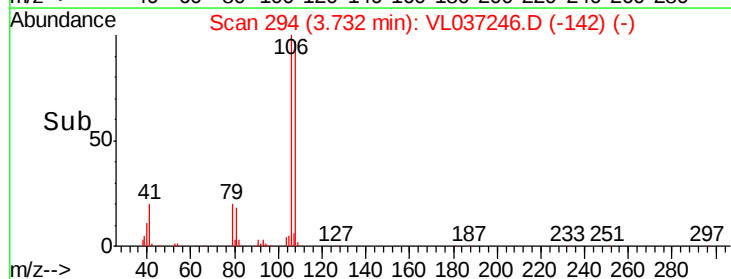
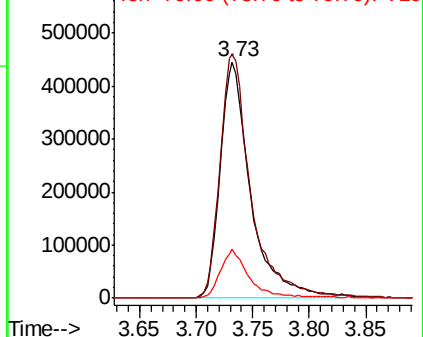
79 20.1 15.6 23.4

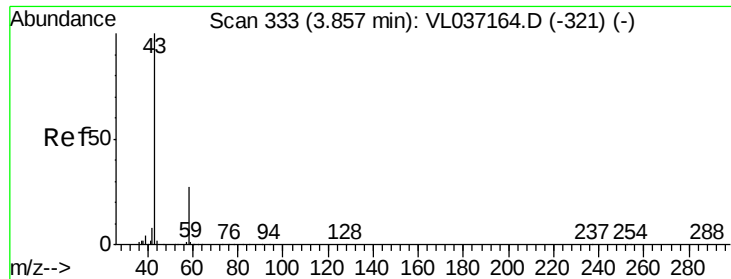


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





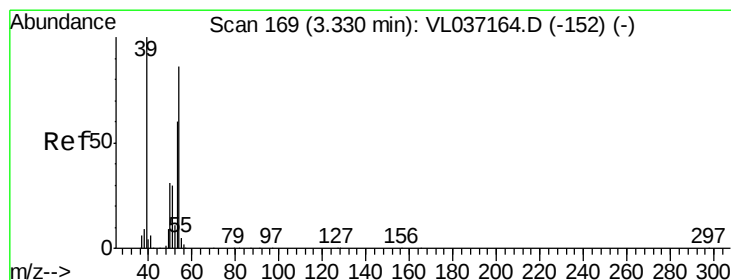
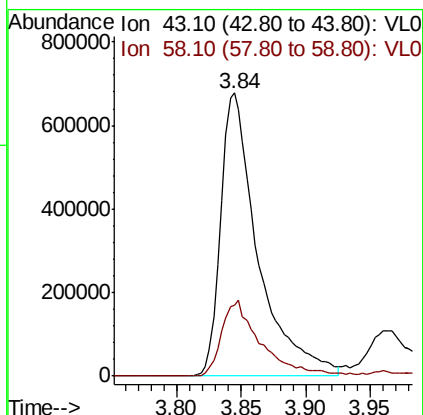
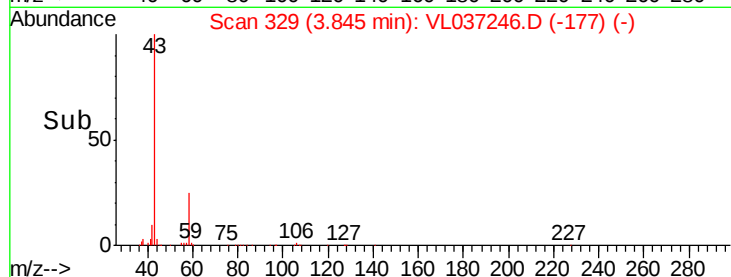
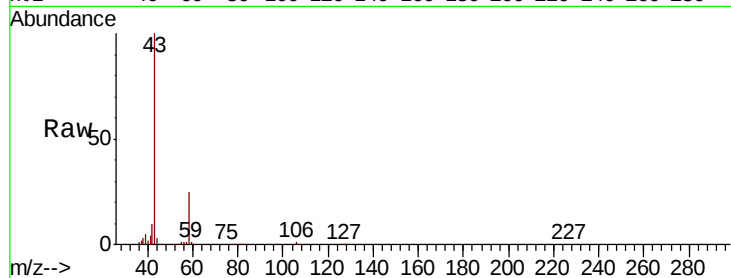
#15
Acetone
Concen: 7.372 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 43 Resp: 1359267
Ion Ratio Lower Upper
43 100
58 28.4 23.7 35.5

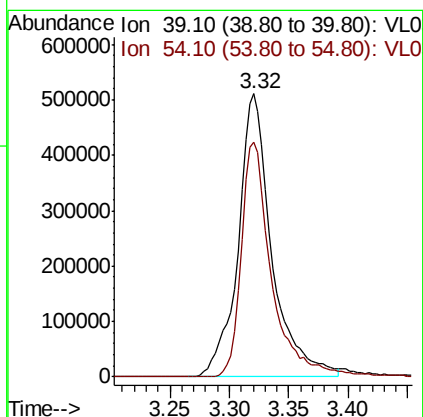
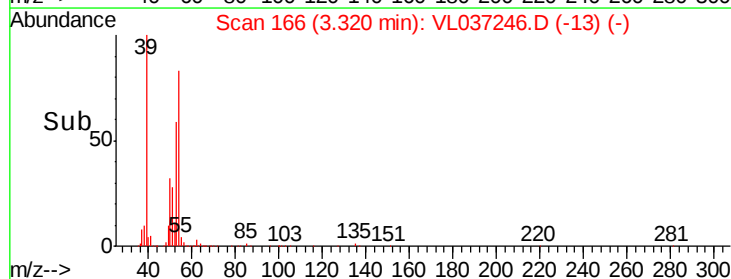
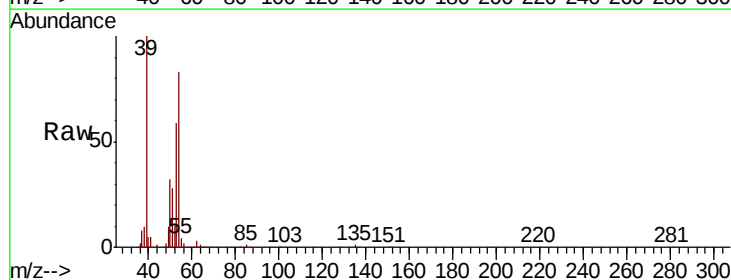
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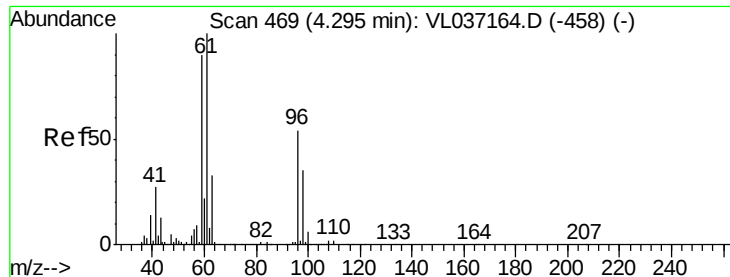
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#16
1,3-Butadiene
Concen: 9.173 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.01 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 39 Resp: 999953
Ion Ratio Lower Upper
39 100
54 75.5 61.2 91.8





#17

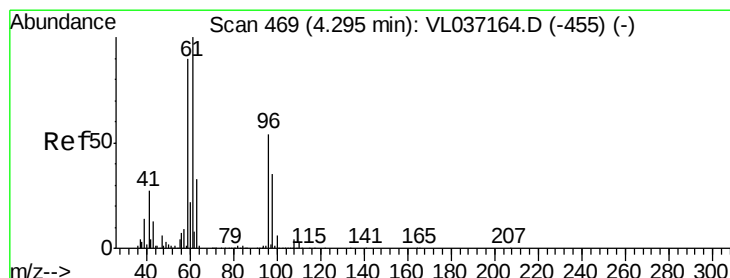
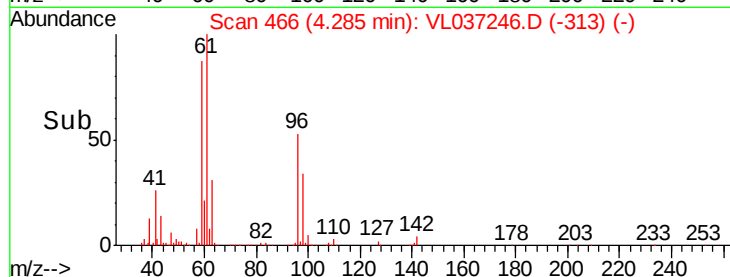
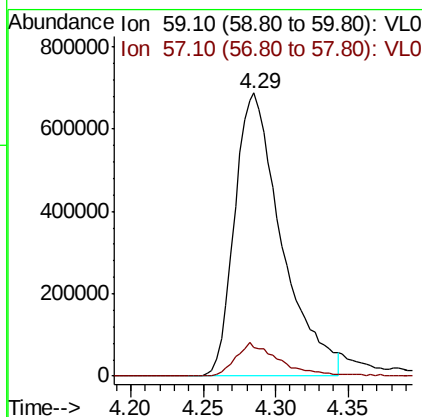
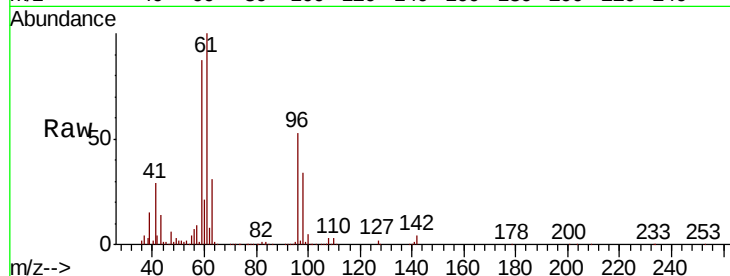
tert-Butyl alcohol
Concen: 9.073 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 59 Resp: 1546172
Ion Ratio Lower Upper
59 100
57 11.6 8.8 13.2

Manual Integrations
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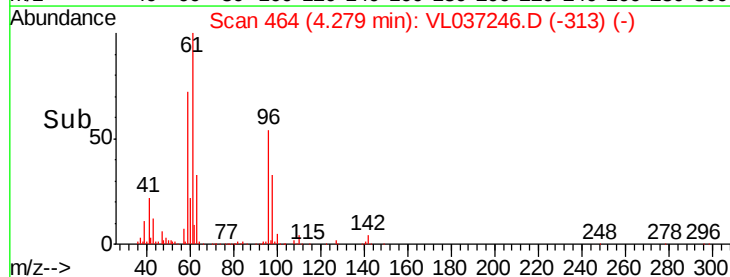
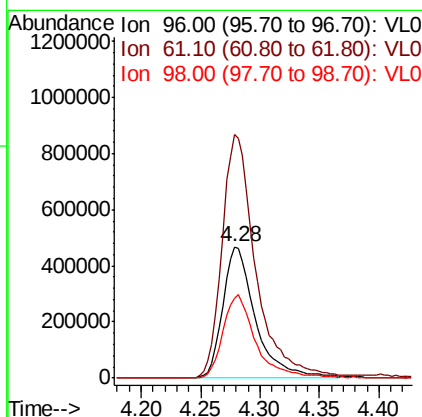
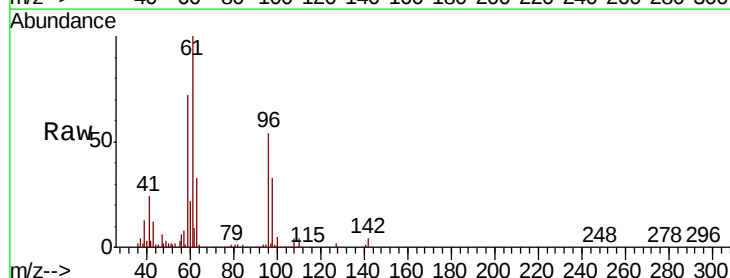
MMDadoda
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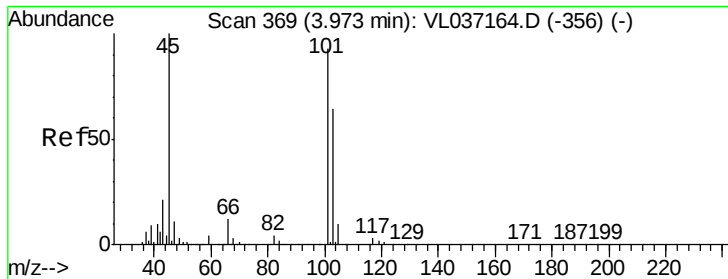


#18

1,1-Dichloroethene
Concen: 9.417 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 96 Resp: 892520
Ion Ratio Lower Upper
96 100
61 185.5 148.6 222.8
98 60.6 51.9 77.9





#19

Isopropyl Alcohol

Concen: 7.666 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 45 Resp: 856184

Ion Ratio Lower Upper

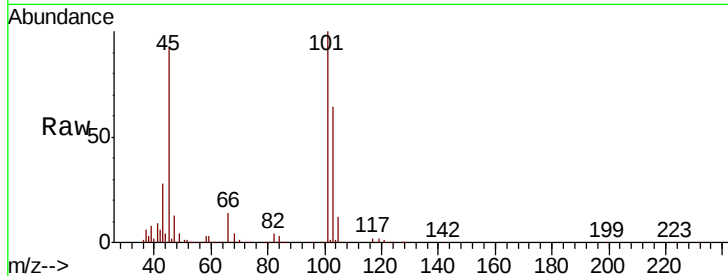
45 100

58 2.4 2.4 3.6#

Manual Integrations
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

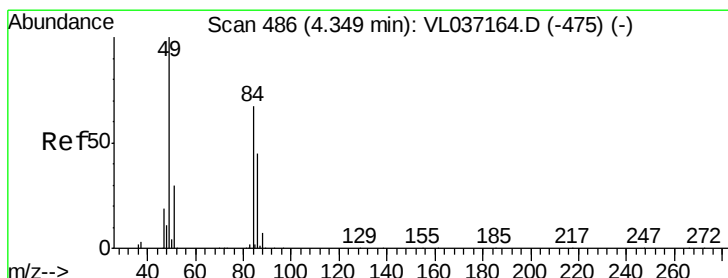
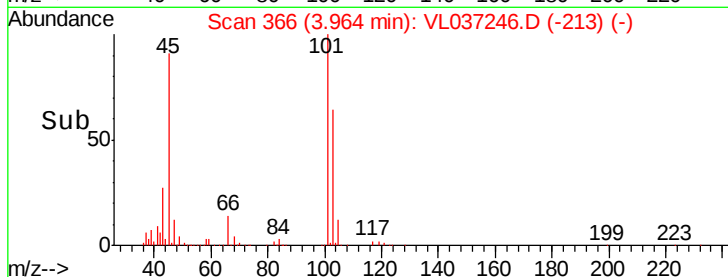
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.058 ppbv m

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Tgt Ion: 84 Resp: 779087

Ion Ratio Lower Upper

84 100

49 149.9 119.7 179.5

51 47.3 36.1 54.1

86 65.4 53.7 80.5

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

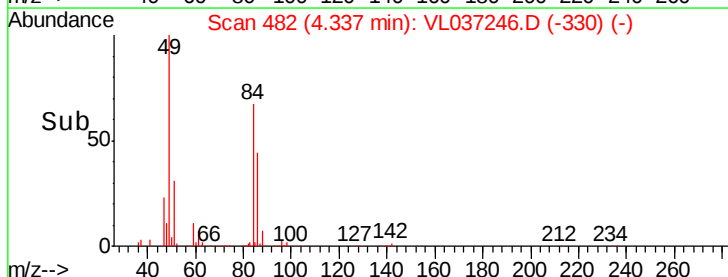
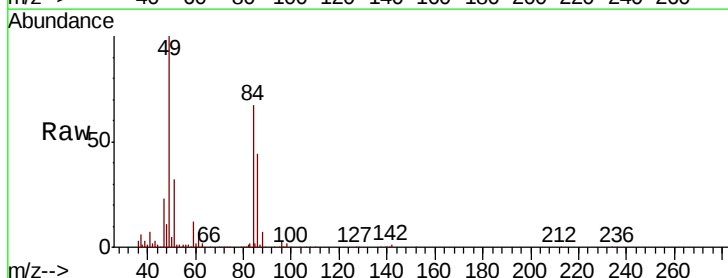
600000

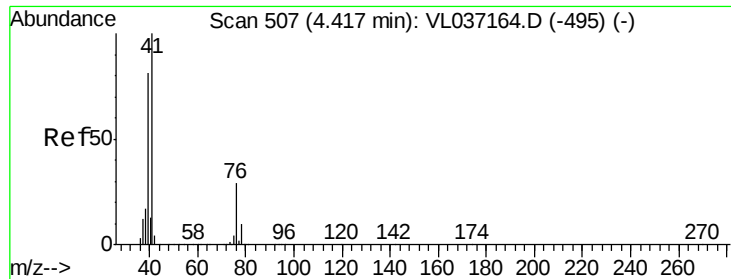
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 8.697 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 41 Resp: 1208752

Ion Ratio Lower Upper

41 100

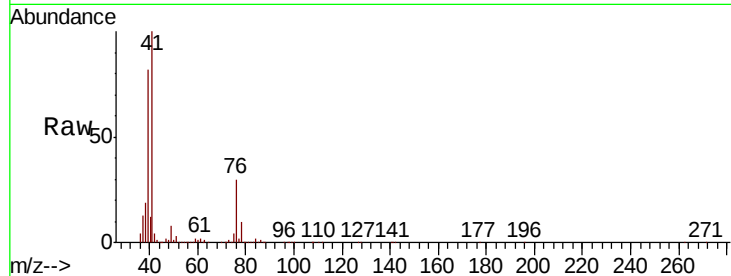
76 31.9 24.6 37.0

39 85.3 65.4 98.0

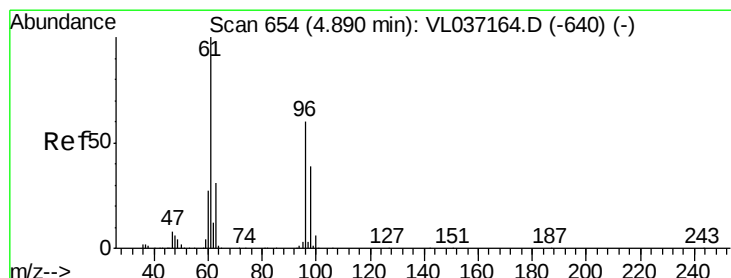
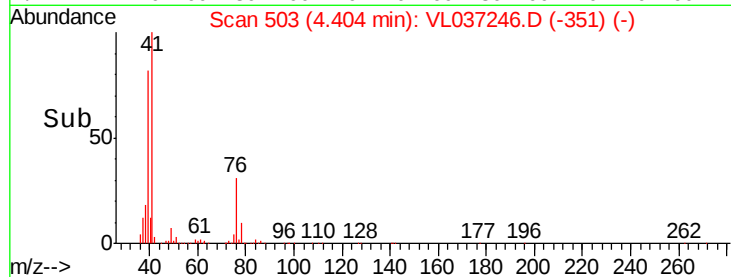
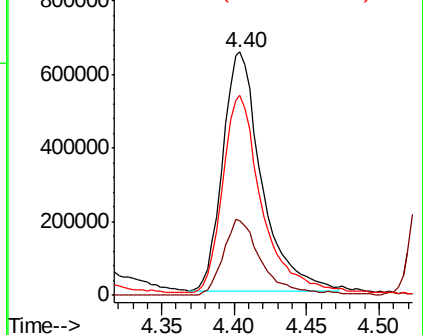
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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.674 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

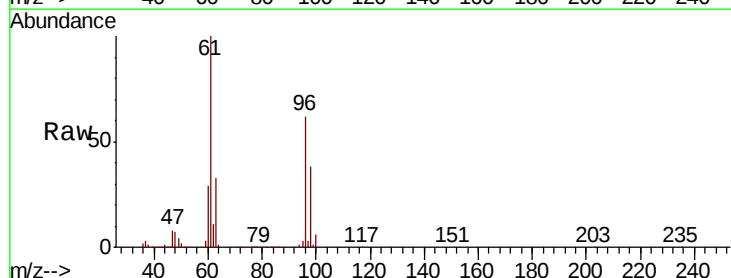
Tgt Ion: 96 Resp: 907344

Ion Ratio Lower Upper

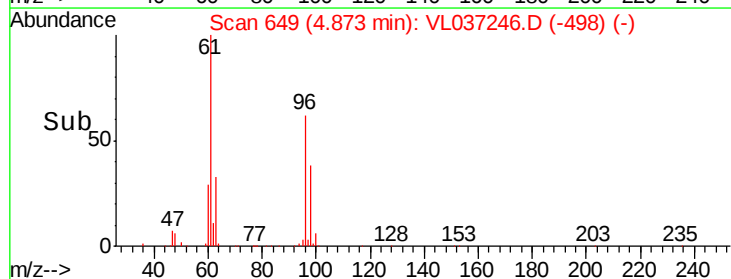
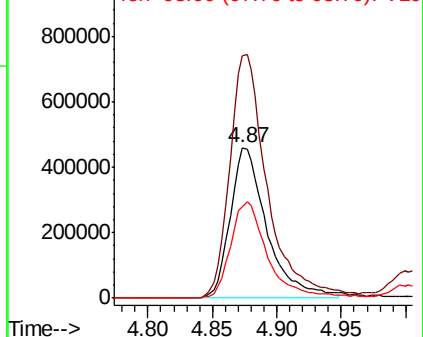
96 100

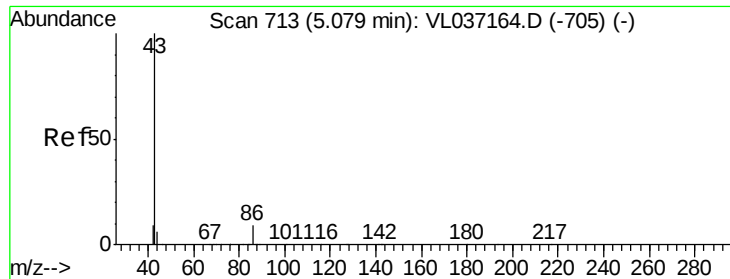
61 161.2 133.9 200.9

98 60.7 52.9 79.3



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





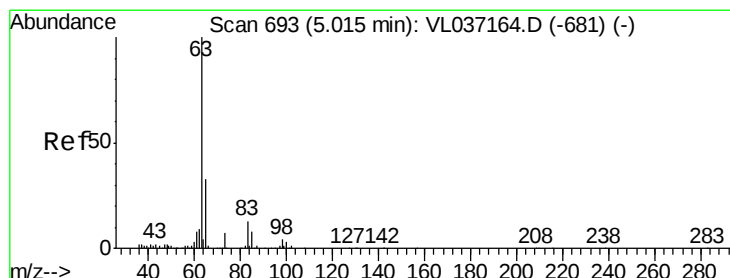
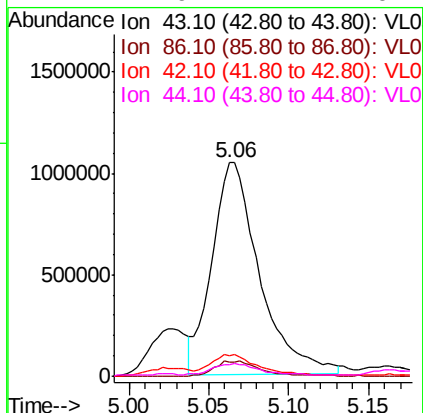
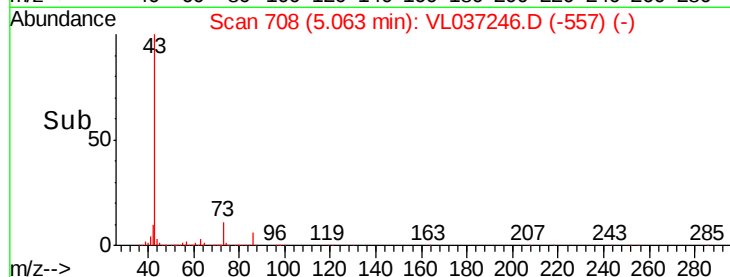
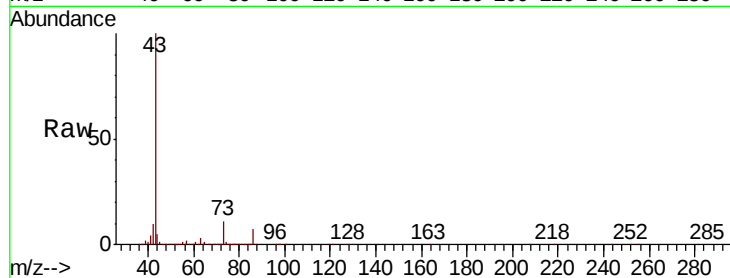
#23
 Vinyl Acetate
 Concen: 8.135 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	43	Resp	2150818
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.8	8.8
42	9.7	8.2	12.2
44	4.9	4.2	6.4

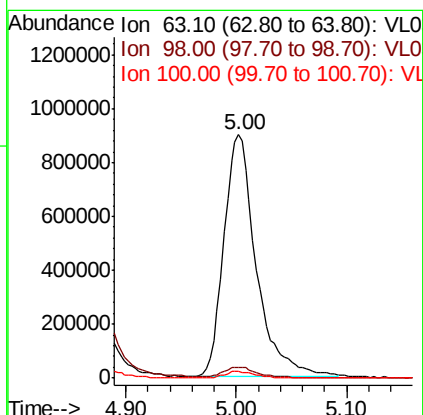
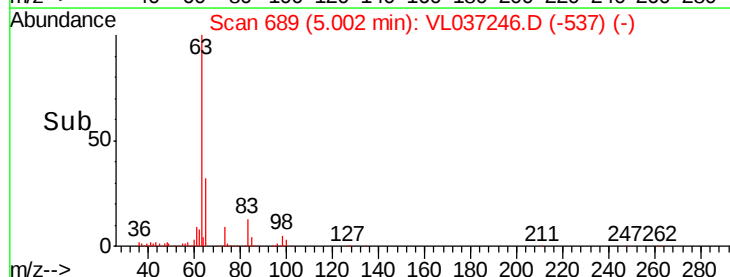
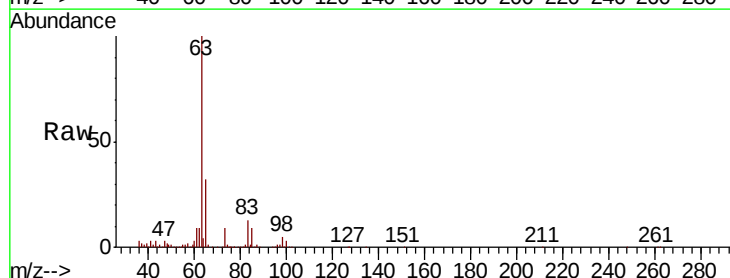
Manual Integrations
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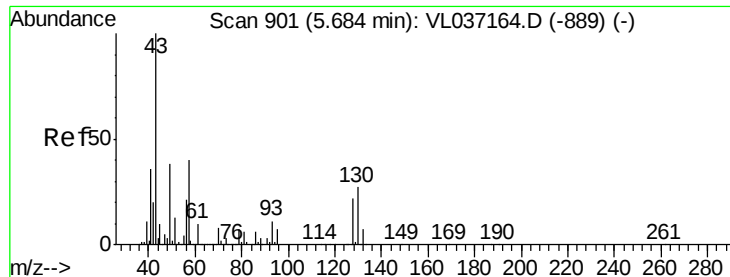
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 8.609 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion	63	Resp	1832478
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.8	1.4	4.0





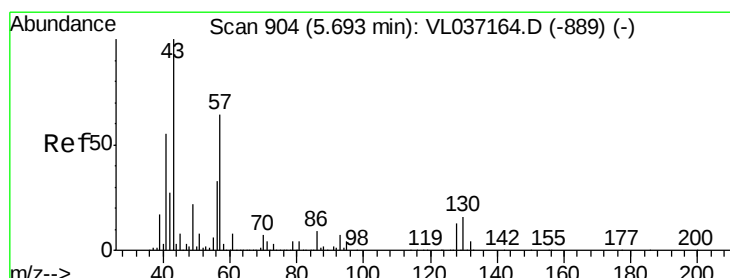
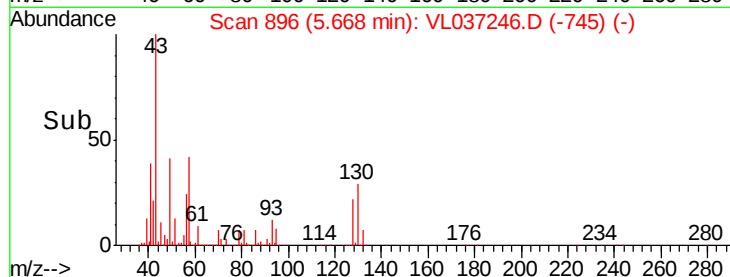
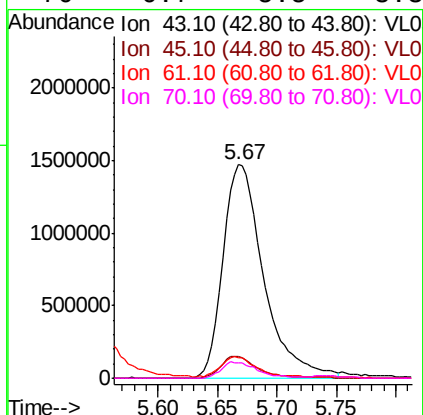
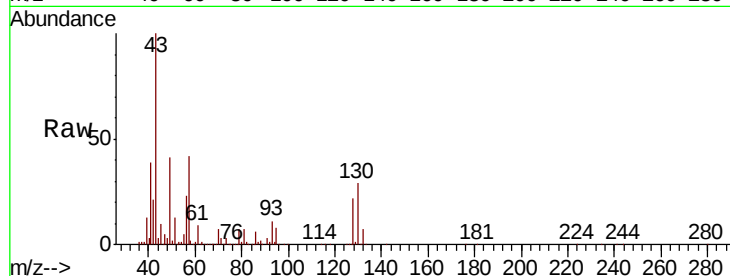
#25
Ethyl Acetate
Concen: 8.706 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	43	Resp	3475389
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.6	8.1	12.1
70	6.7	5.5	8.3

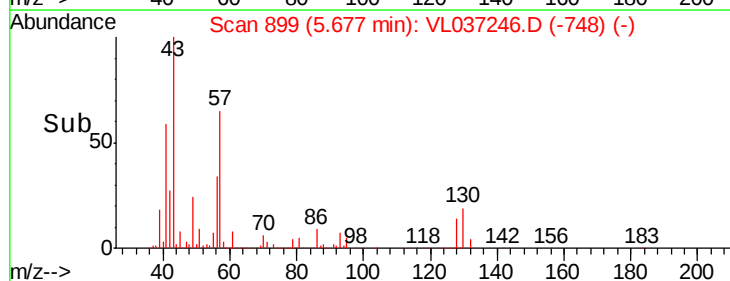
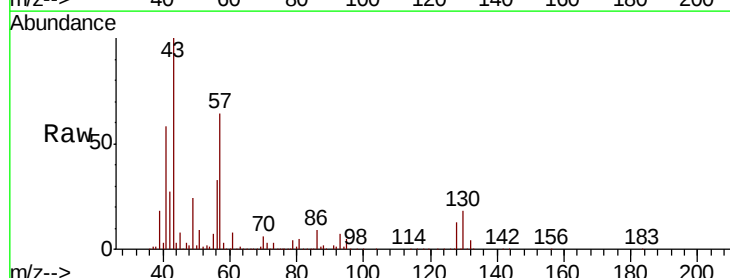
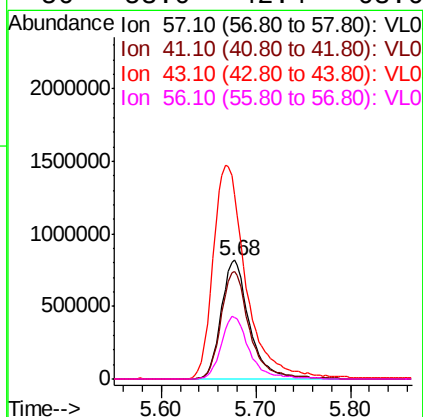
Manual Integrations
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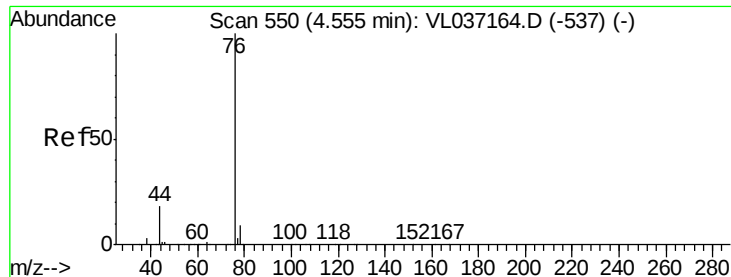
MMDadoda
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#26
Hexane
Concen: 8.379 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion	57	Resp	1690521
Ion	Ratio	Lower	Upper
57	100		
41	93.5	73.5	110.3
43	210.3	170.7	256.1
56	53.0	42.4	63.6





#27

Carbon Disulfide

Concen: 10.395 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 76 Resp: 2054687

Ion Ratio Lower Upper

76 100

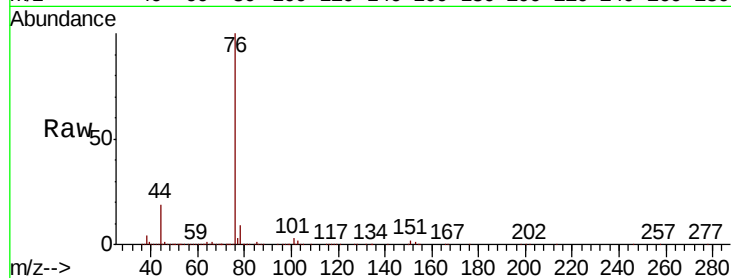
44 20.2 15.4 23.2

78 9.6 8.0 12.0

Manual Integrations
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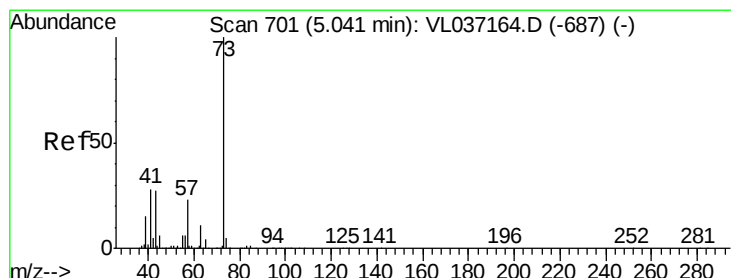
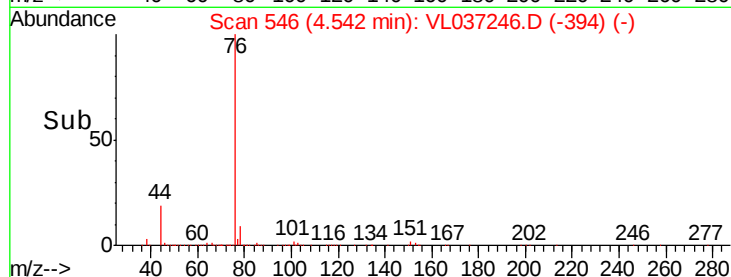
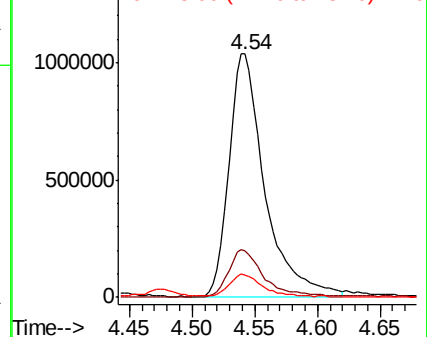
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 7.983 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL037246.D

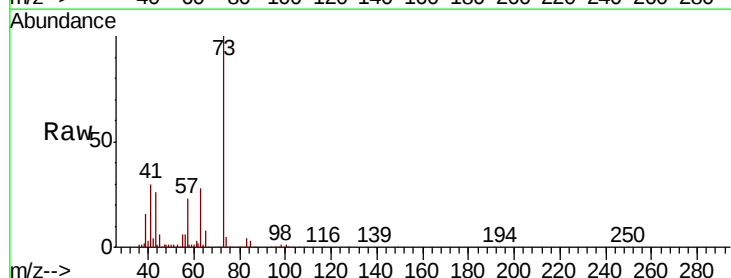
Acq: 29 Jun 2021 12:57

Tgt Ion: 73 Resp: 1936322

Ion Ratio Lower Upper

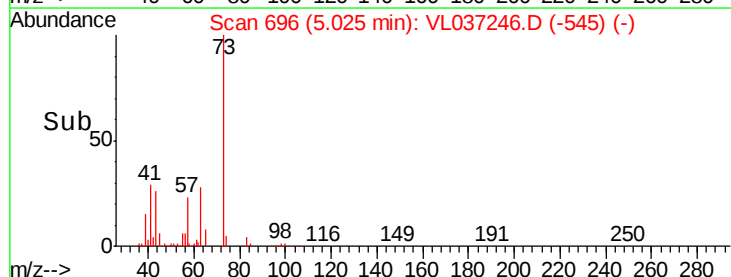
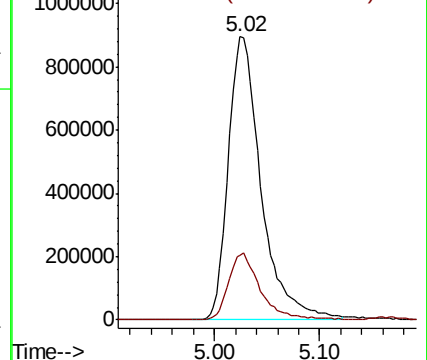
73 100

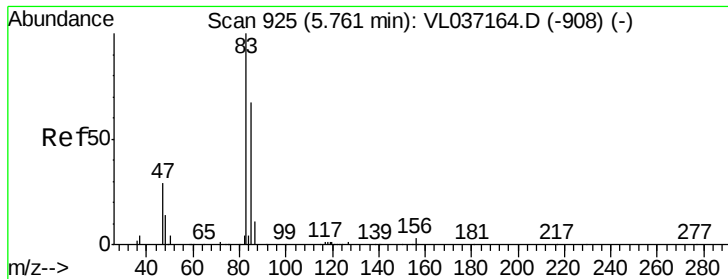
57 22.7 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





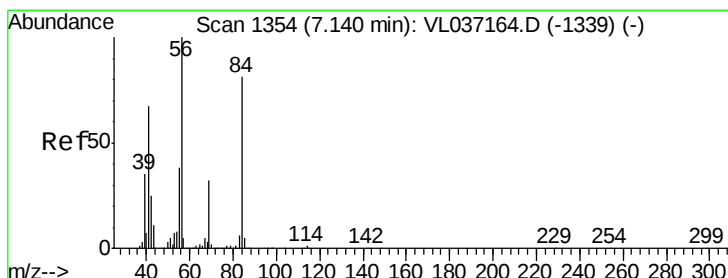
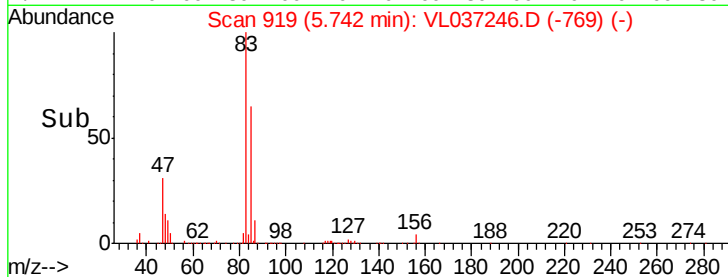
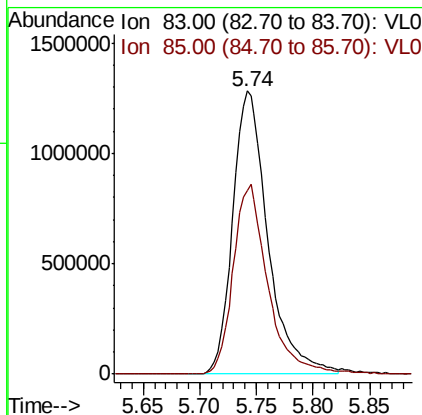
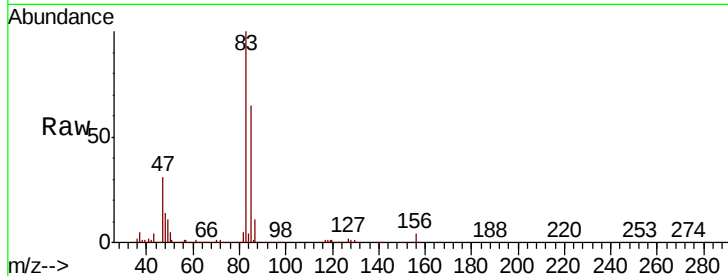
#29
Chloroform
Concen: 8.911 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 83 Resp: 2777155
Ion Ratio Lower Upper
83 100
85 64.7 53.6 80.4

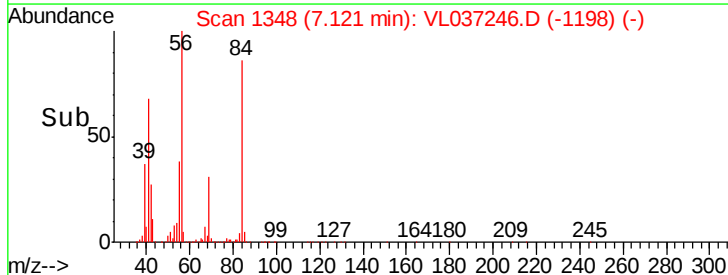
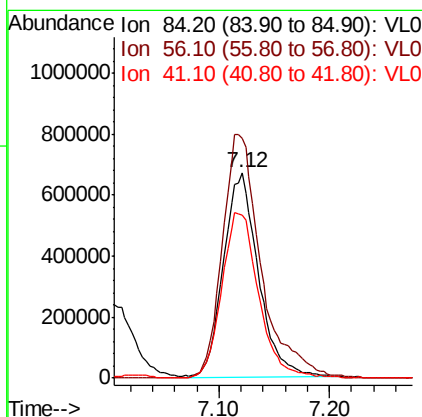
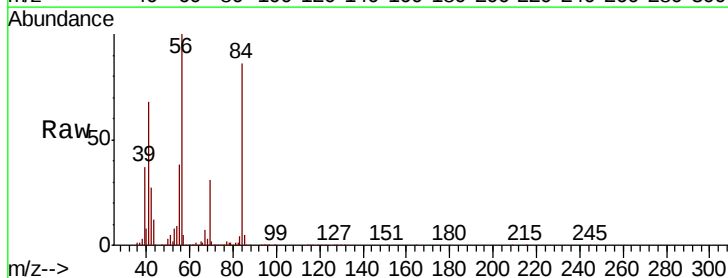
Manual Integrations
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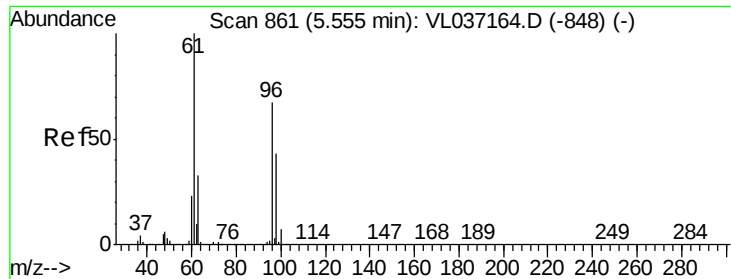
MMDadoda
7/5/2021 3:38:04 PM



#30
Cyclohexane
Concen: 8.752 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 84 Resp: 1471135
Ion Ratio Lower Upper
84 100
56 133.0 107.7 161.5
41 85.2 69.0 103.6





#31

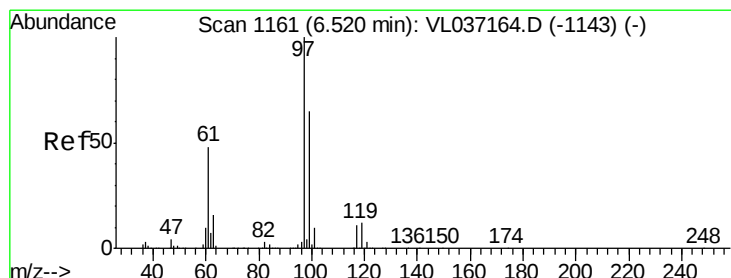
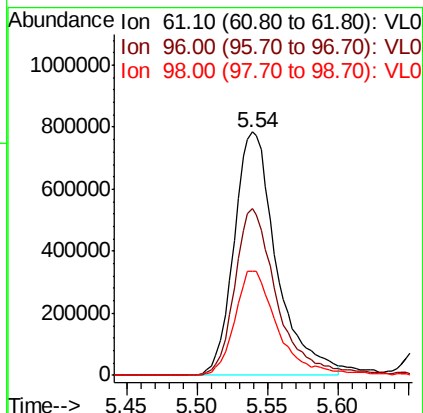
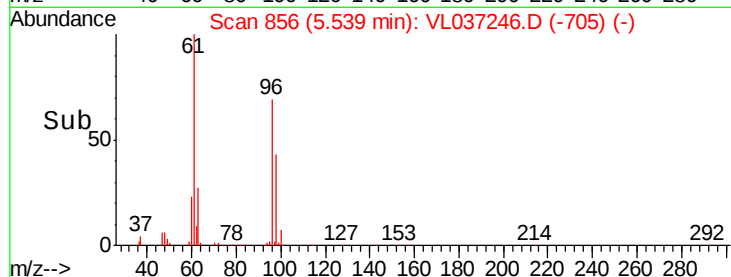
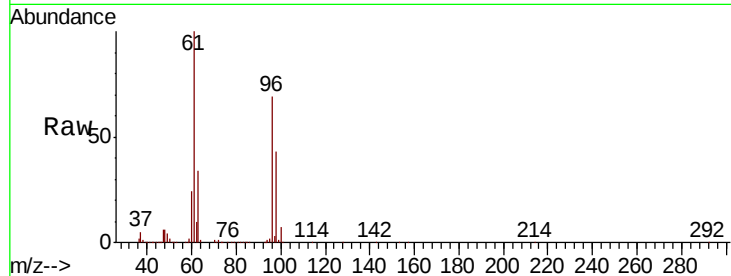
cis-1,2-Dichloroethene
Concen: 8.891 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.5	53.6	80.4
98	42.9	34.7	52.1

Manual Integrations
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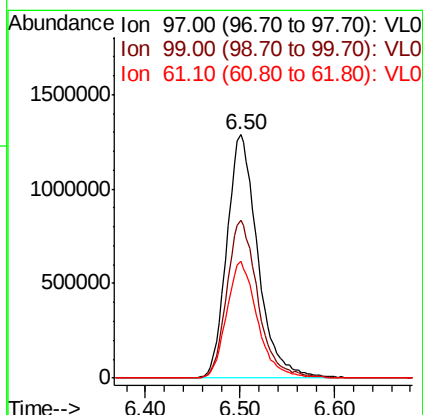
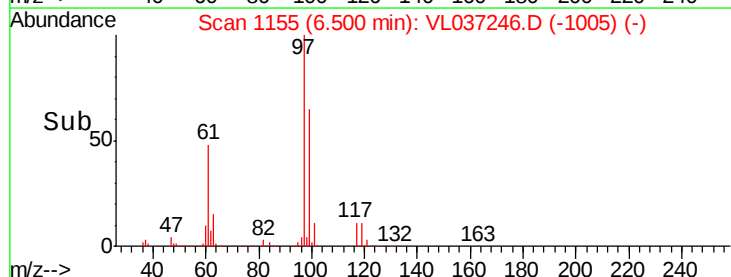
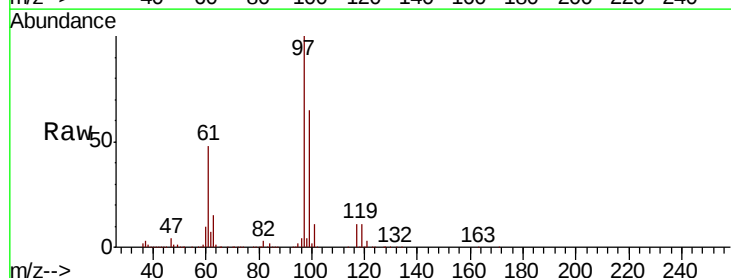
MMDadoda
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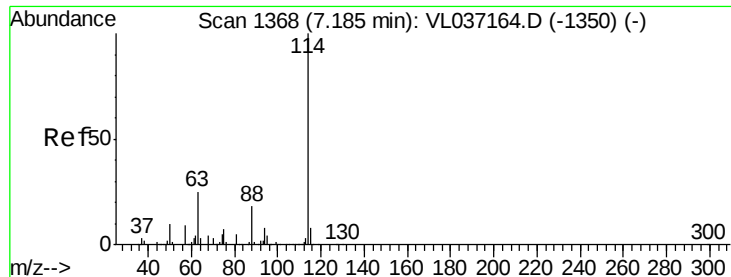


#32

1,1,1-Trichloroethane
Concen: 8.776 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.2	78.4
61	48.4	38.8	58.2





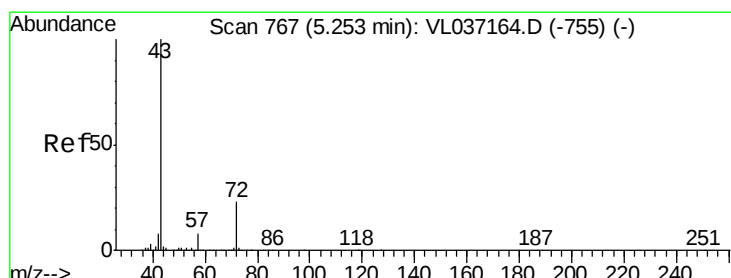
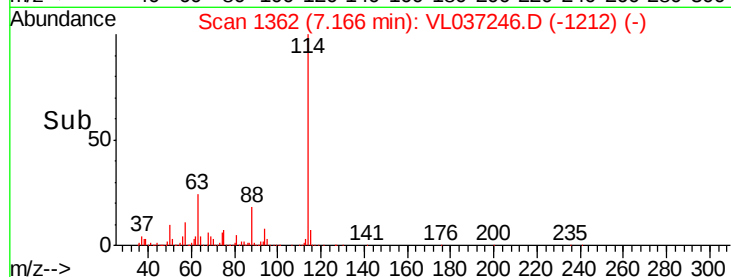
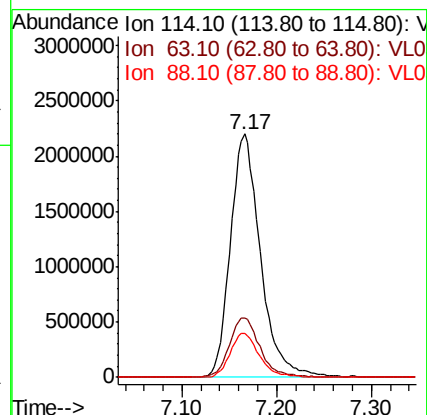
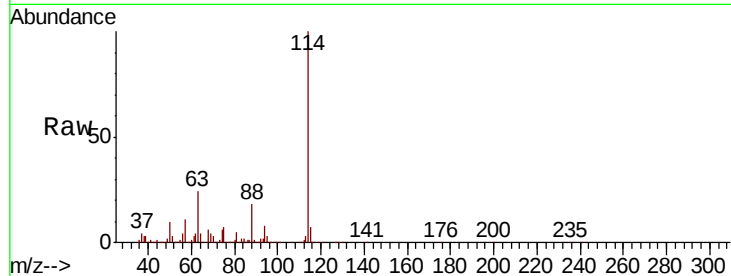
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.6	29.4
88	17.9	14.2	21.2

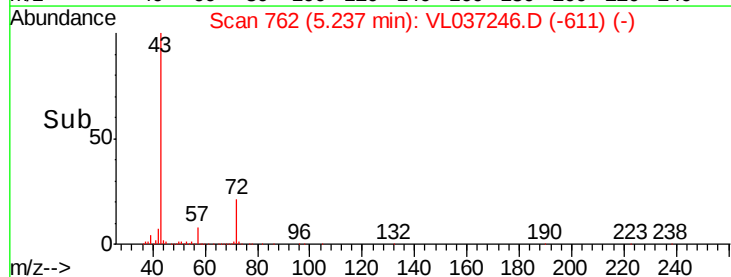
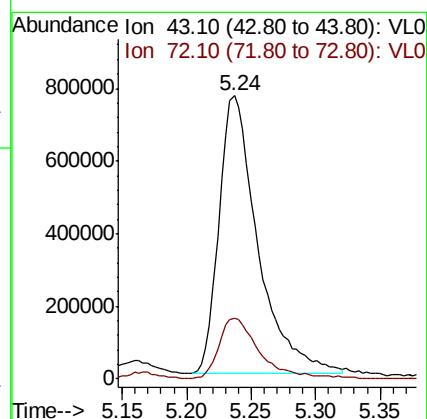
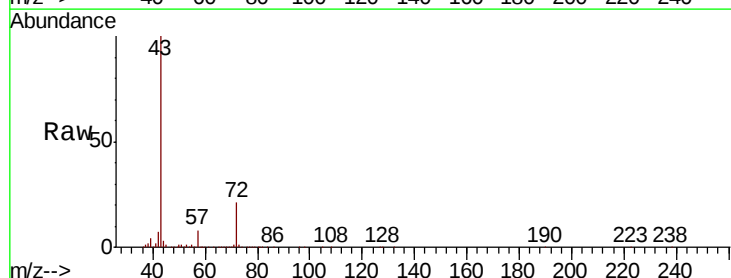
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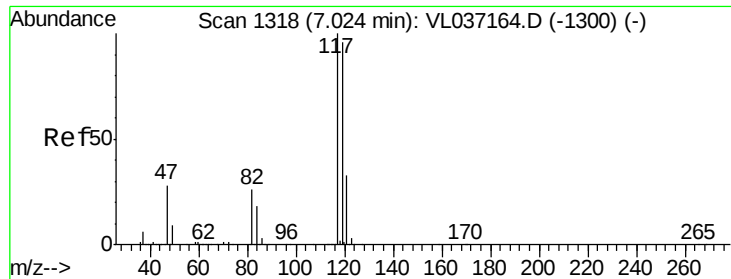
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#34
 2-Butanone
 Concen: 8.477 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.9	28.3





#35

Carbon Tetrachloride

Concen: 9.635 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:117 Resp: 3147953

Ion Ratio Lower Upper

117 100

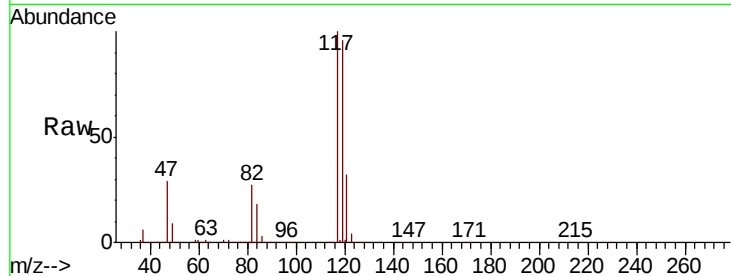
119 96.1 76.6 114.8

121 32.3 26.4 39.6

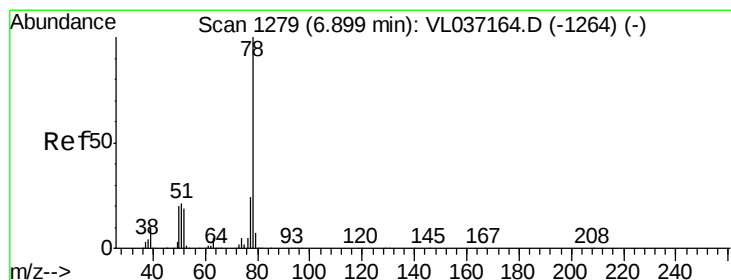
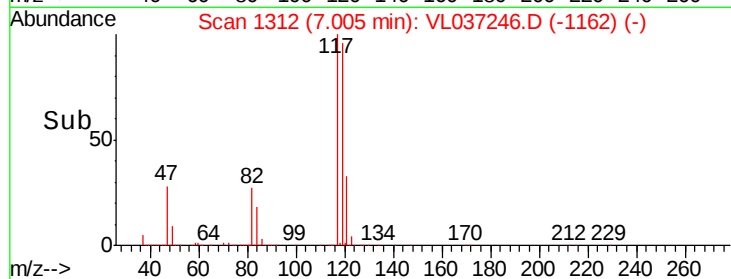
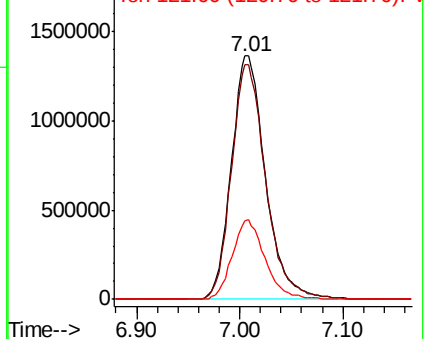
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.763 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

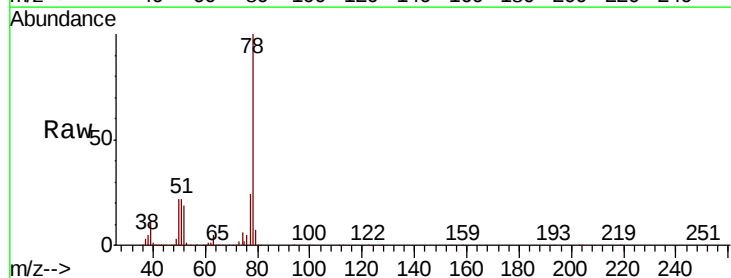
Tgt Ion: 78 Resp: 3451533

Ion Ratio Lower Upper

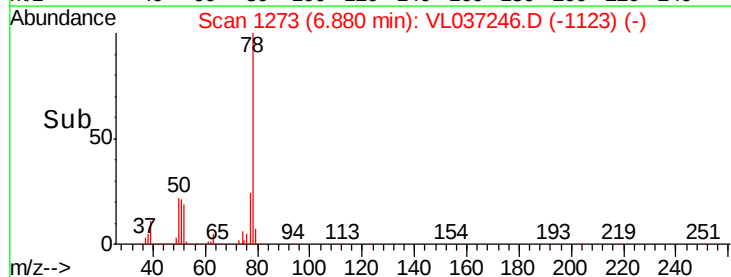
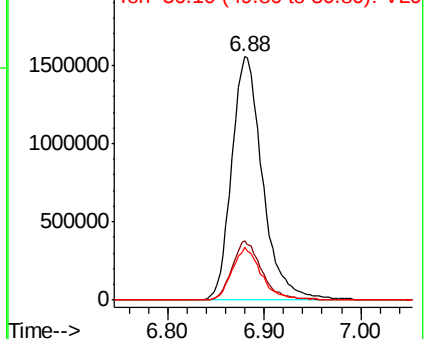
78 100

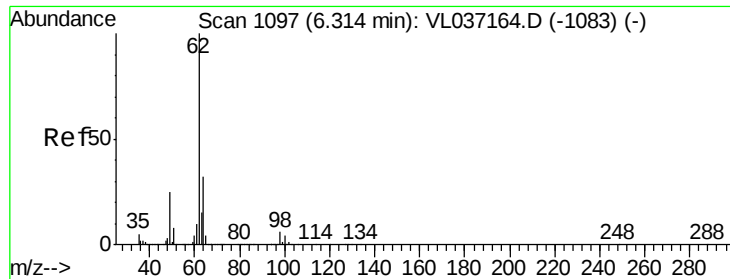
77 24.4 19.0 28.6

50 21.7 15.7 23.5



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





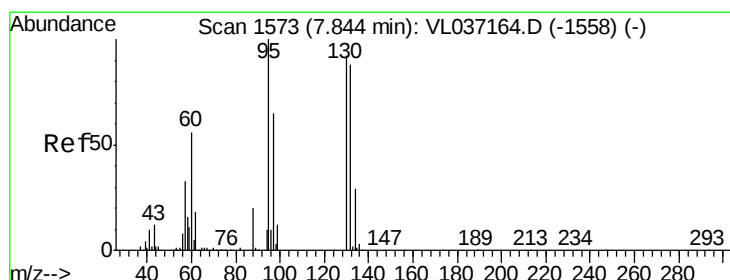
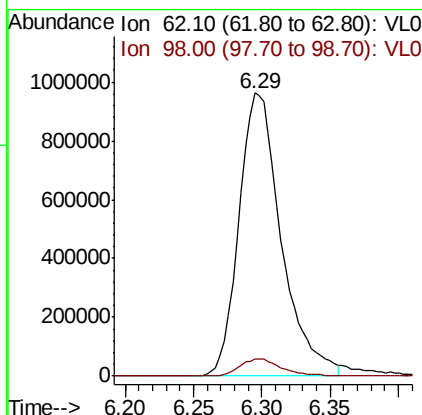
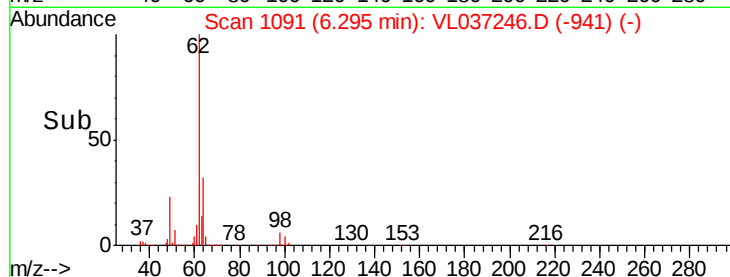
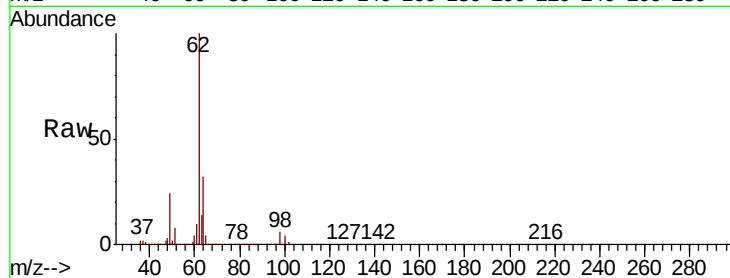
#37
 1,2-Dichloroethane
 Concen: 9.052 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0629ABS01

Tot Ion: 62 Resp: 2071216
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.0 7.6

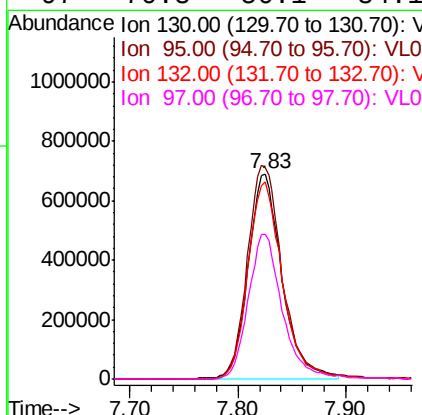
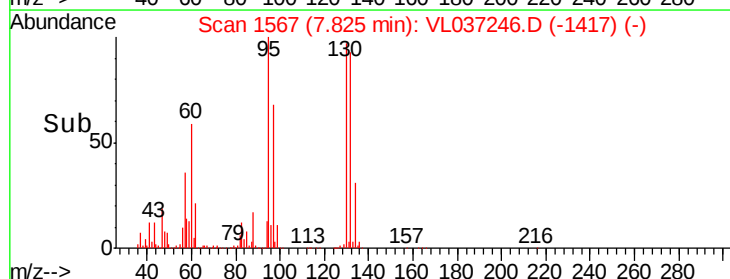
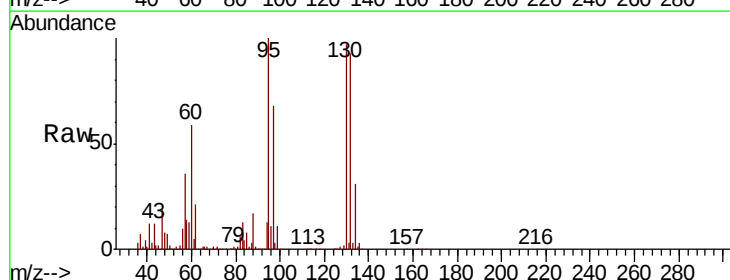
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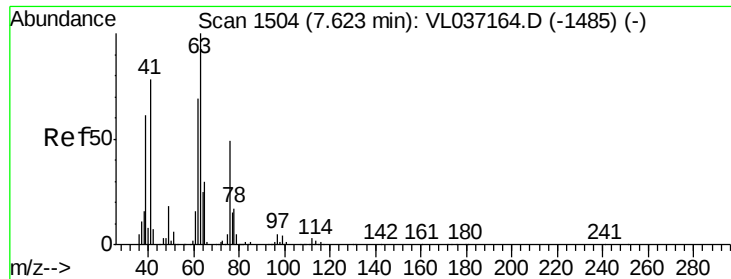
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#38
 Trichloroethene
 Concen: 8.014 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion: 130 Resp: 1500526
 Ion Ratio Lower Upper
 130 100
 95 103.4 86.6 129.8
 132 96.0 76.6 114.8
 97 70.8 56.1 84.1





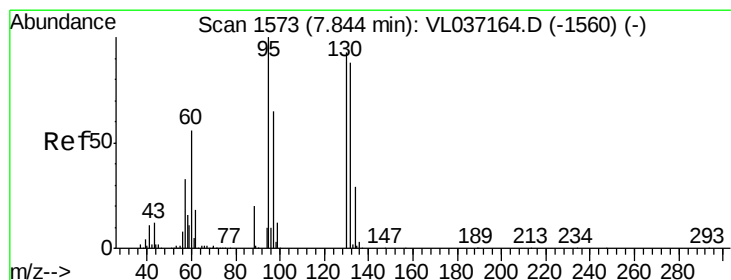
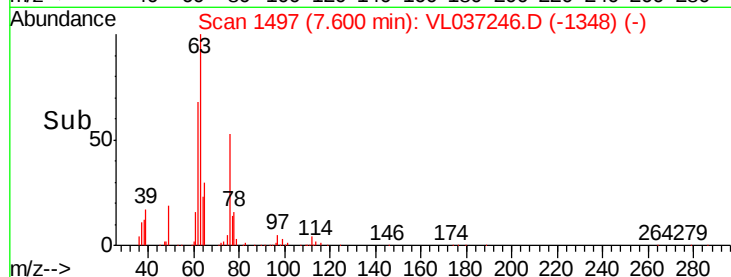
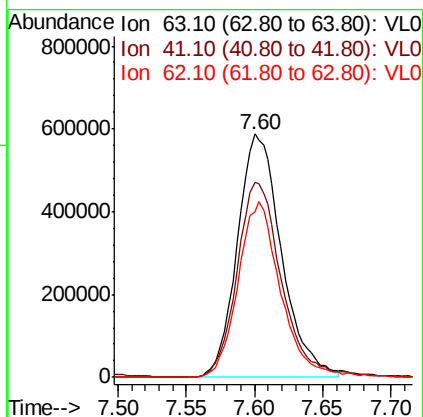
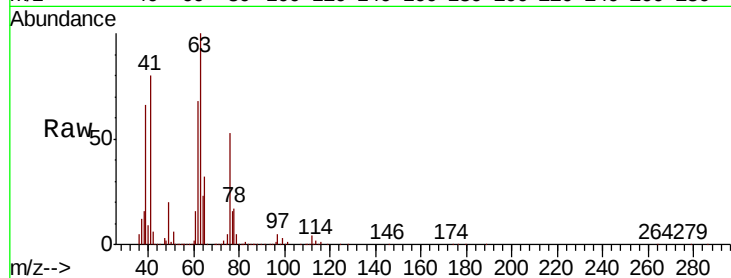
#39
 1,2-Dichloropropane
 Concen: 8.984 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	80.0	62.0	93.0
62	67.9	54.9	82.3

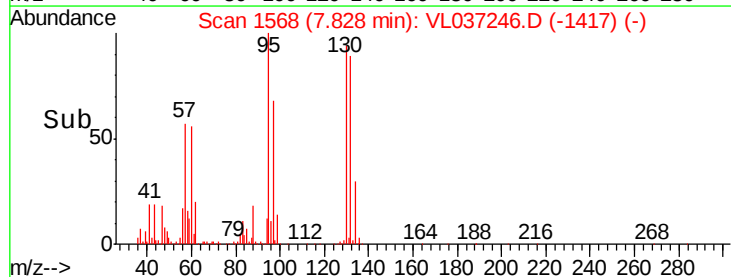
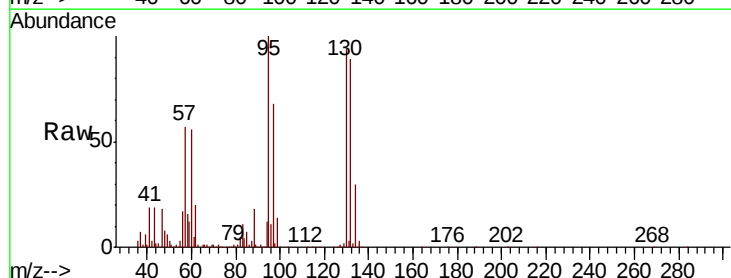
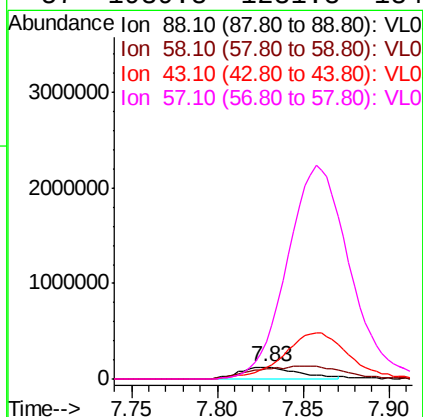
Manual Integrations
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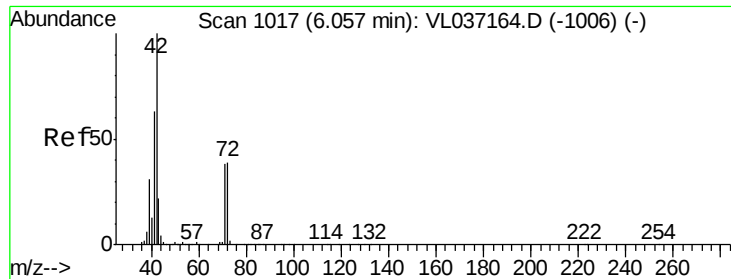
MMDadoda
 7/5/2021 3:38:04 PM



#40
 1,4-Dioxane
 Concen: 7.368 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	169.2	118.4	177.6
43	448.3	284.0	426.0#
57	1939.8	1231.8	1847.6#





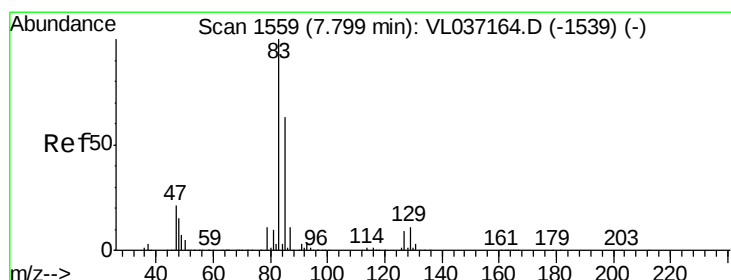
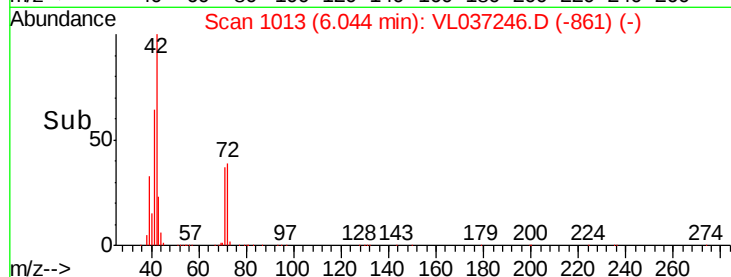
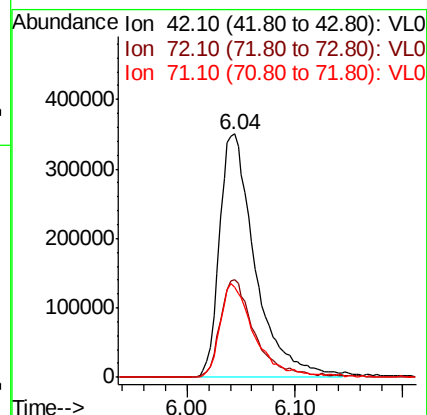
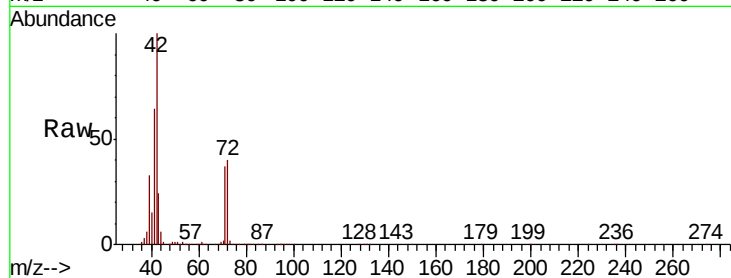
#41
Tetrahydrofuran
Concen: 9.126 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	33.0	49.4
71	37.8	31.0	46.6

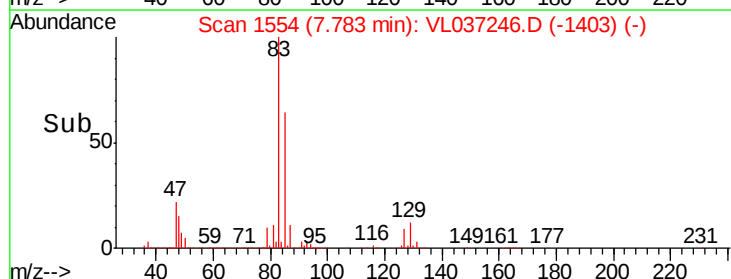
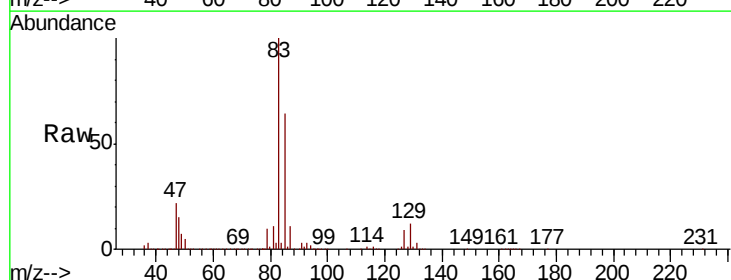
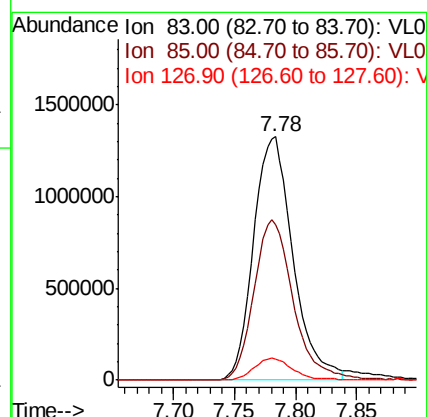
Manual Integrations
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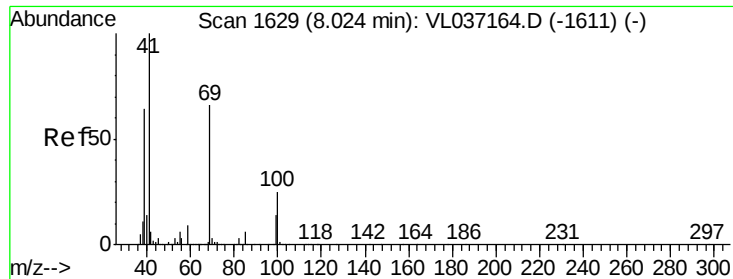
MMDadoda
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#42
Bromodichloromethane
Concen: 9.376 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.8	76.2
127	8.8	7.0	10.6





#43

Methyl Methacrylate

Concen: 9.289 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

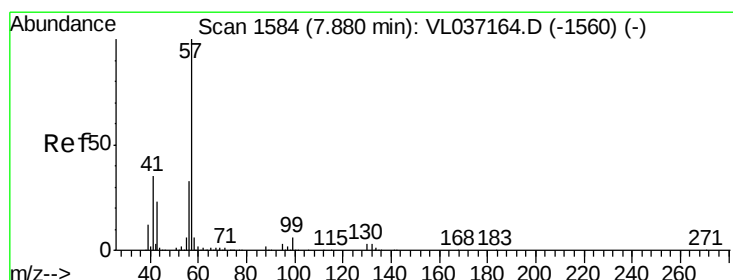
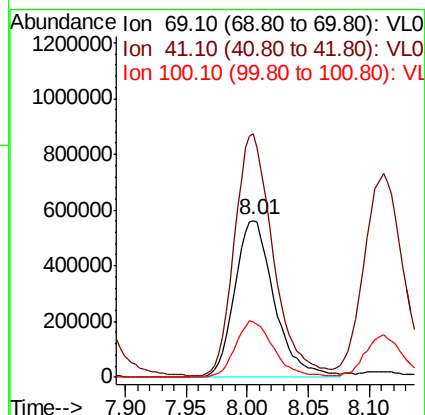
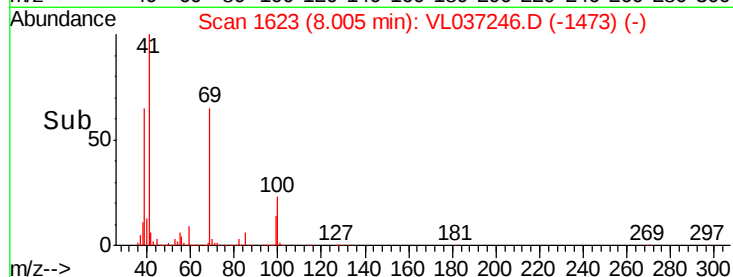
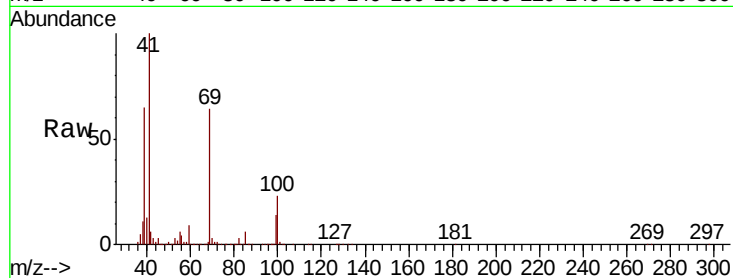
Instrument :
MSVOA_L

ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	151.7	119.4	179.0
100	35.1	28.6	43.0

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.628 ppbv

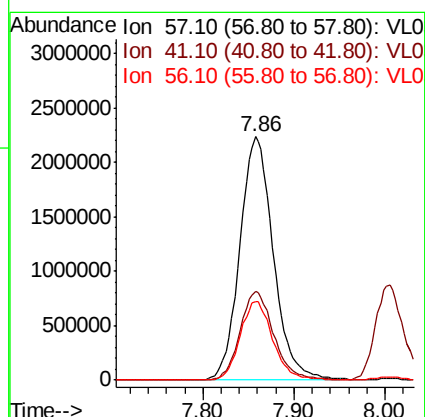
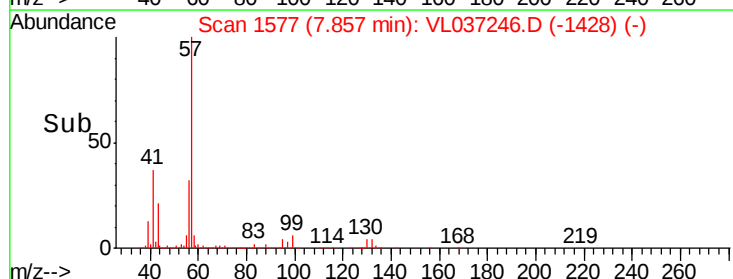
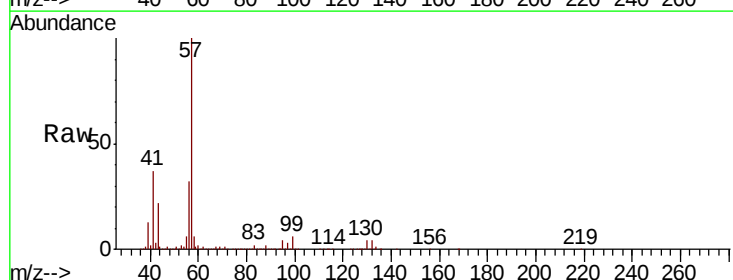
RT: 7.86 min Scan# 1577

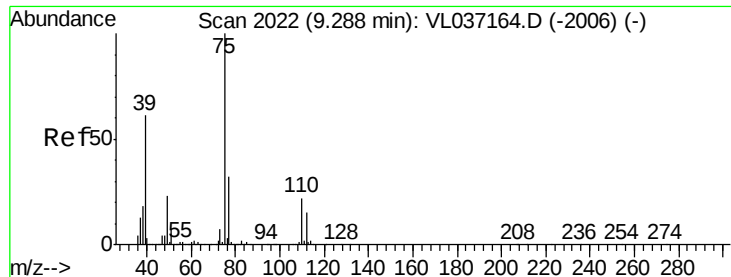
Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.6	27.6	41.4
56	31.8	25.3	37.9





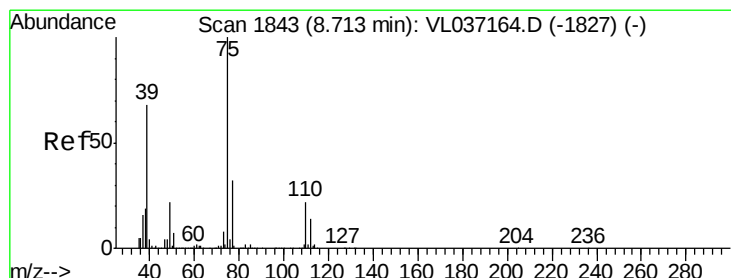
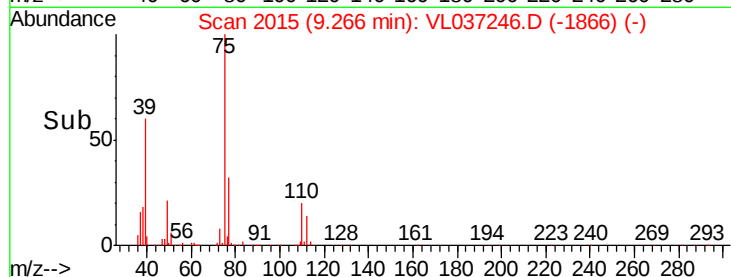
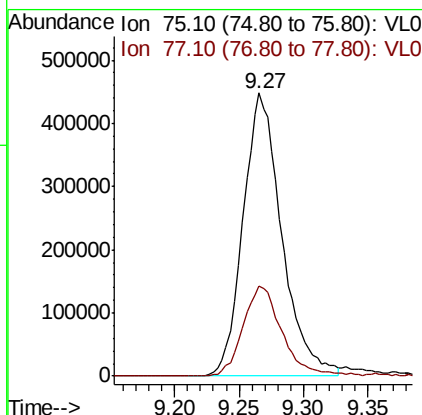
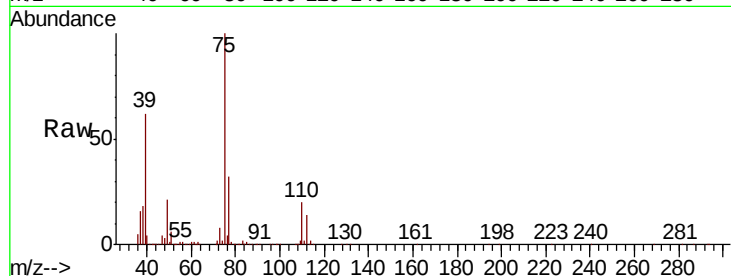
#45
t-1,3-Dichloropropene
Concen: 7.780 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4

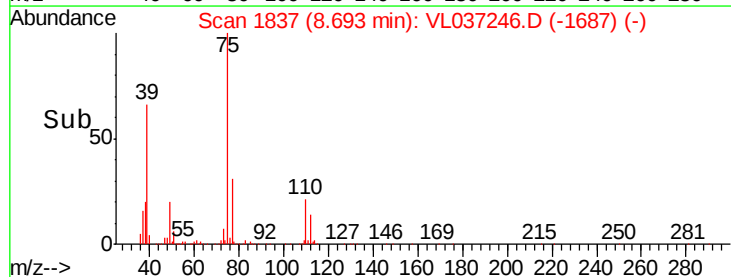
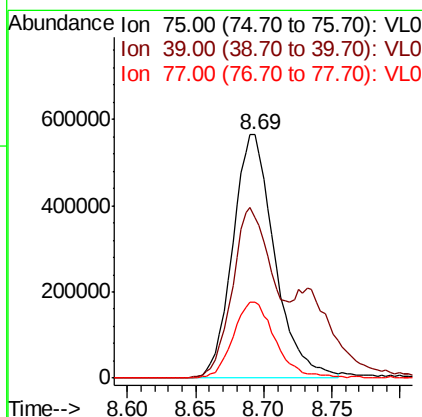
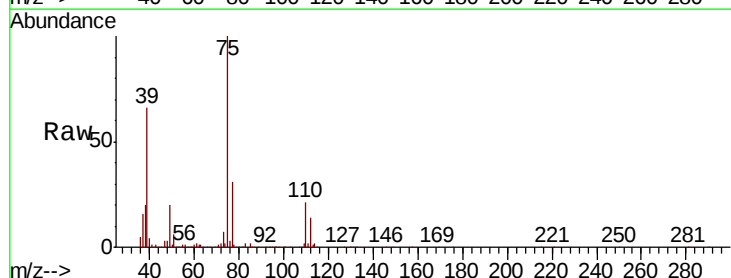
Manual Integrations
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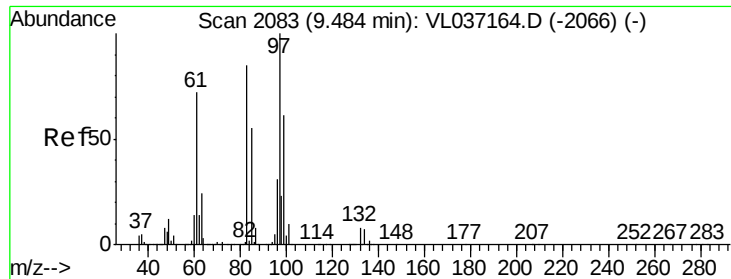
MMDadoda
7/5/2021 3:38:04 PM



#46
cis-1,3-Dichloropropene
Concen: 7.288 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
39	66.0	54.7	82.1
77	31.2	25.8	38.8





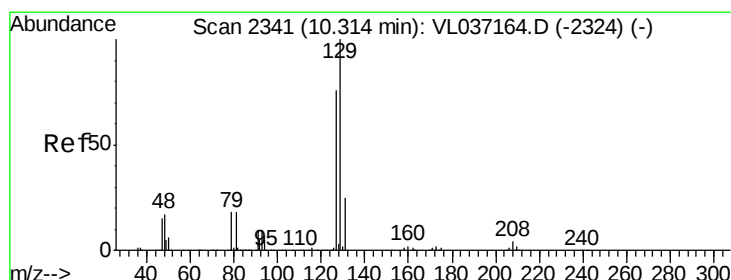
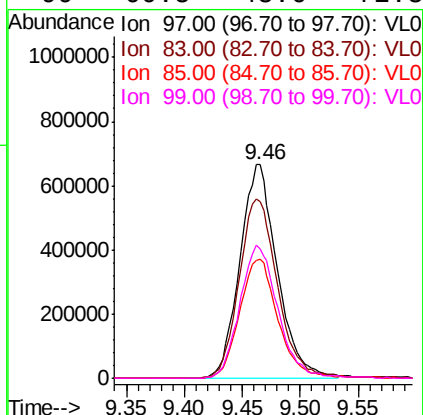
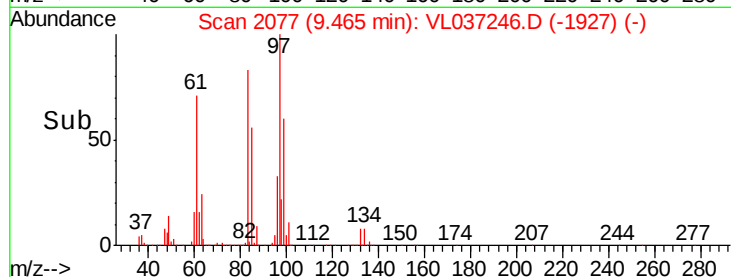
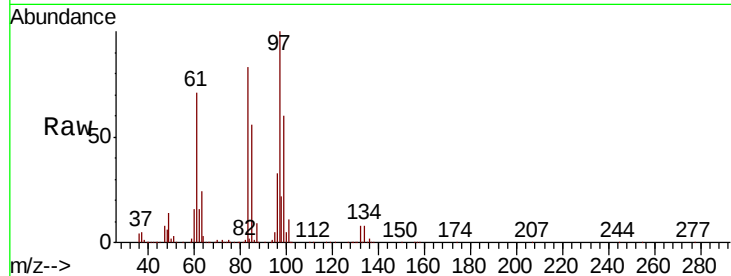
#47
 1,1,2-Trichloroethane
 Concen: 8.950 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.9	68.3	102.5	
85	55.6	44.1	66.1	
99	60.5	48.6	72.8	

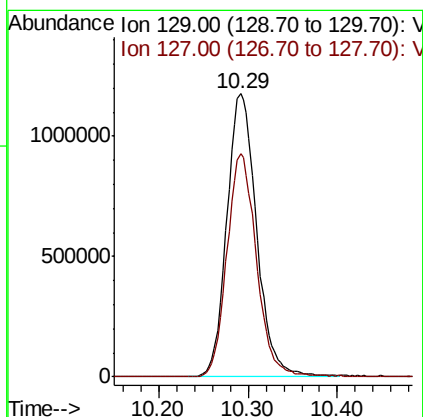
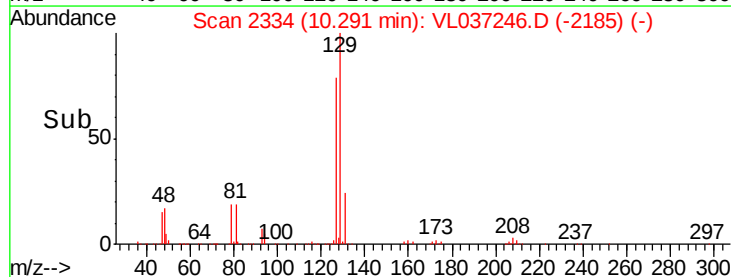
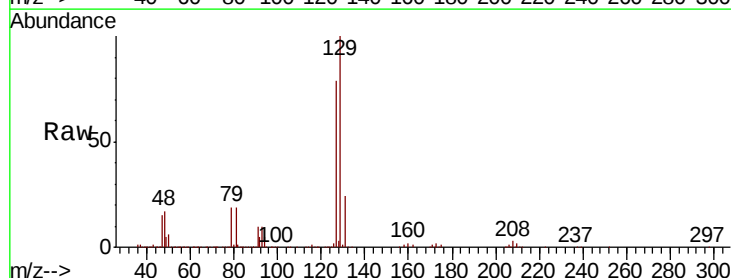
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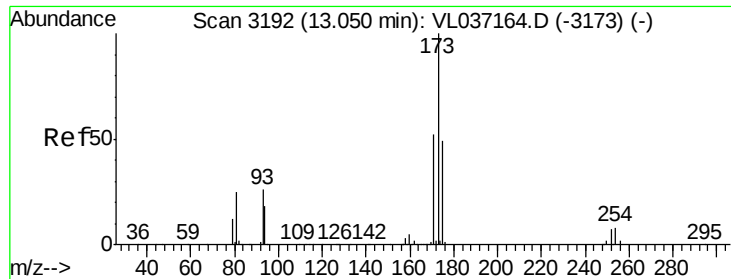
MMDadoda
 7/5/2021 3:38:04 PM



#48
 Dibromochloromethane
 Concen: 10.337 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.9	39.1	117.2	





#49

Bromoform

Concen: 11.152 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:173 Resp: 2190119

Ion Ratio Lower Upper

173 100

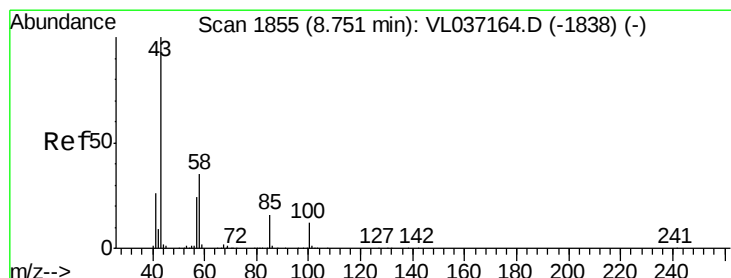
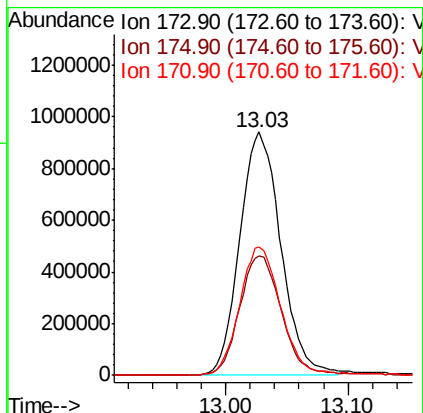
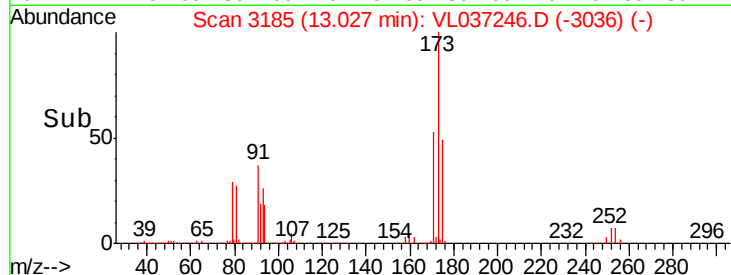
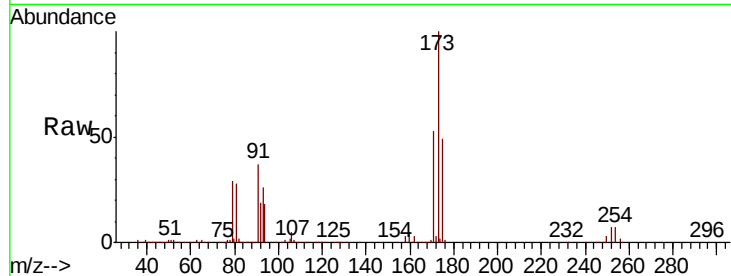
175 51.1 40.2 60.4

171 53.5 41.8 62.8

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 9.584 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.02 min

Lab File: VL037246.D

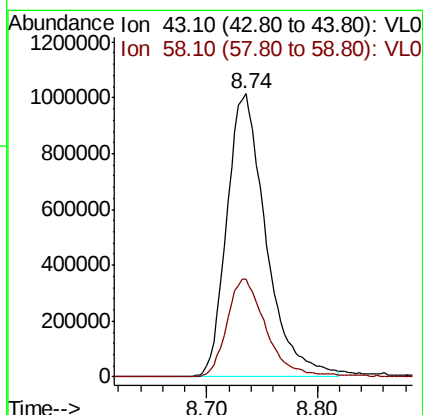
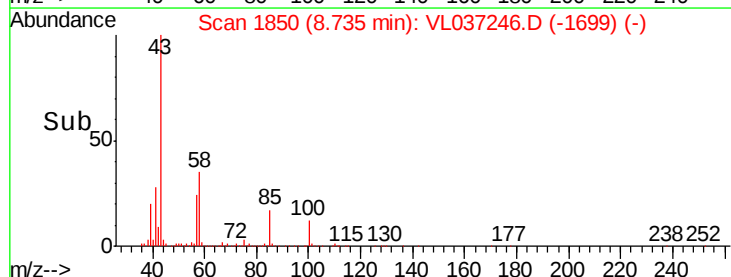
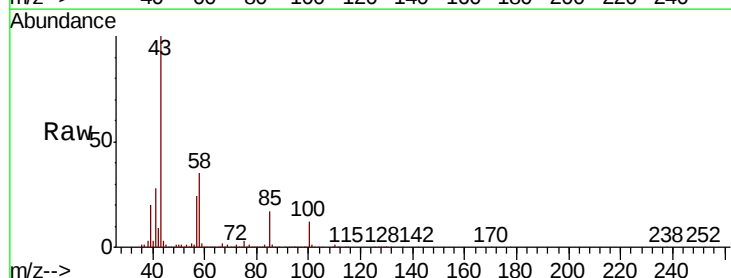
Acq: 29 Jun 2021 12:57

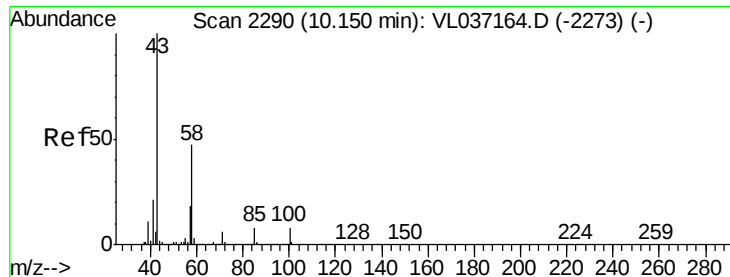
Tgt Ion: 43 Resp: 2493980

Ion Ratio Lower Upper

43 100

58 34.9 28.4 42.6





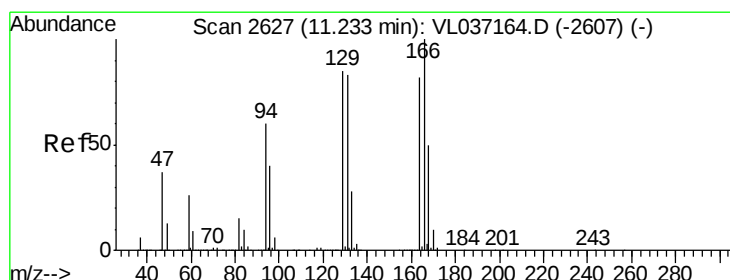
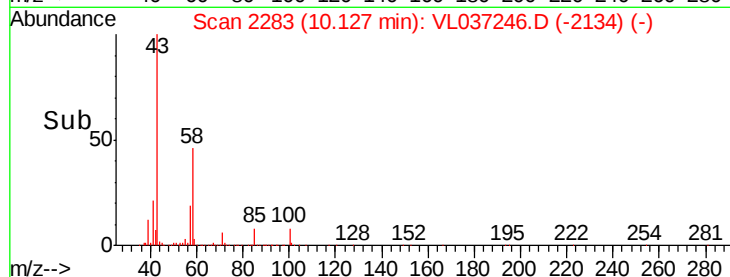
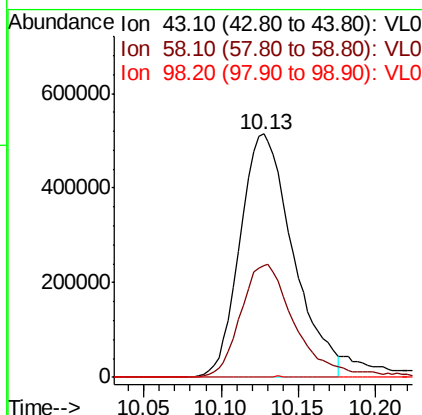
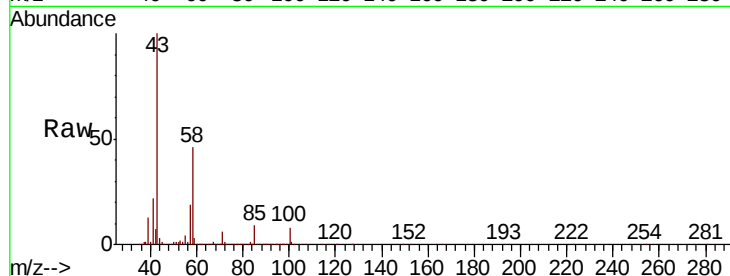
#51
2-Hexanone
Concen: 9.633 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	38.4	57.6
98	0.3	0.3	0.5

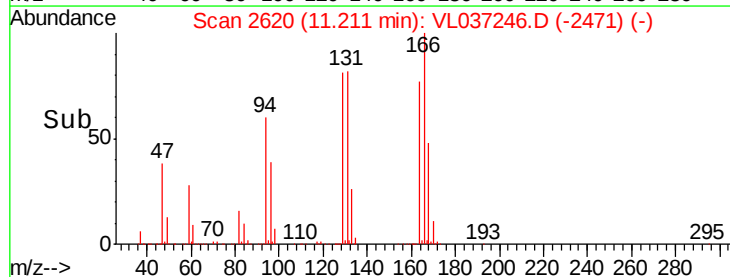
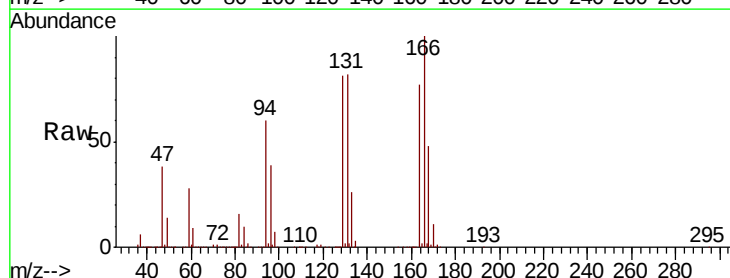
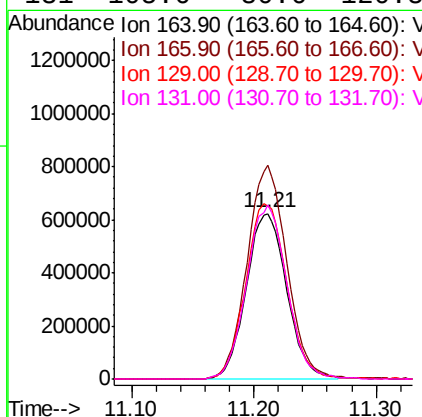
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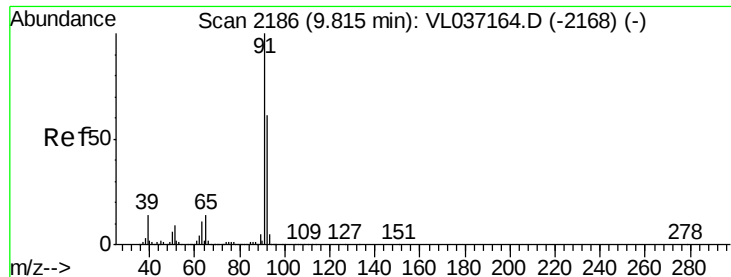
MMDadoda
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#52
Tetrachloroethene
Concen: 7.779 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	97.6	146.4
129	104.3	82.9	124.3
131	105.6	80.6	120.8





#53

Toluene

Concen: 8.894 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 91 Resp: 4184570

Ion Ratio Lower Upper

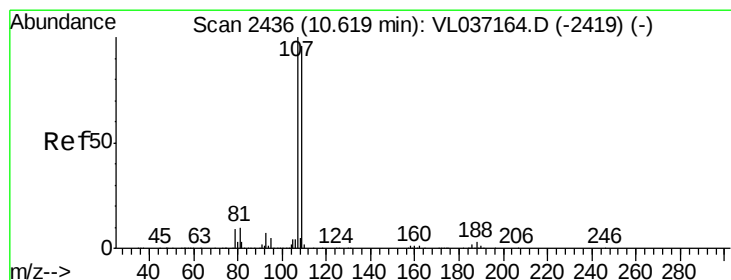
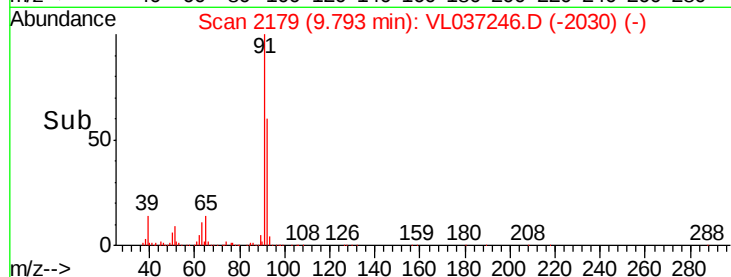
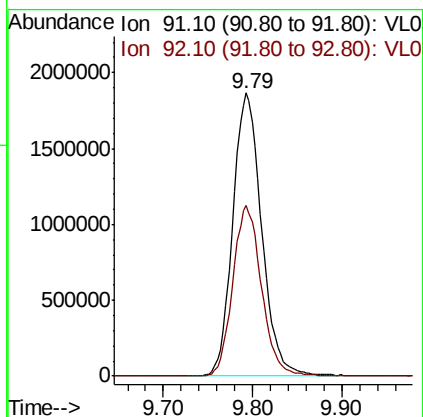
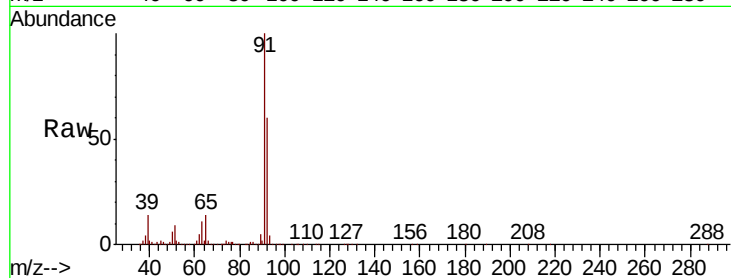
91 100

92 60.1 48.3 72.5

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.293 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.02 min

Lab File: VL037246.D

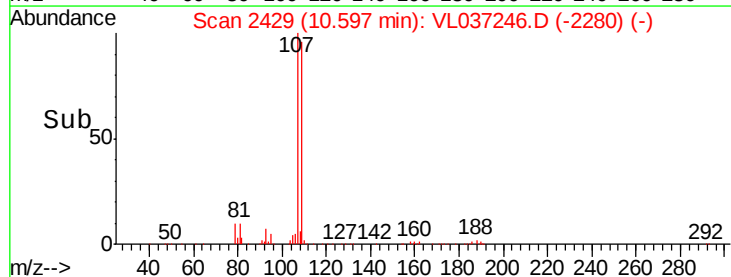
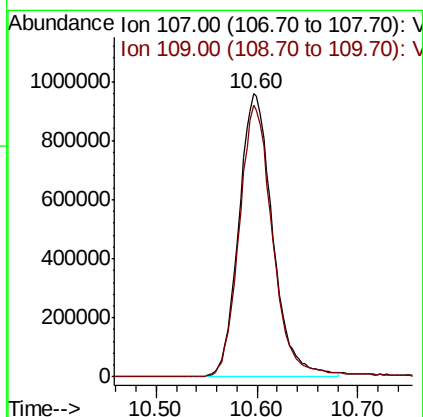
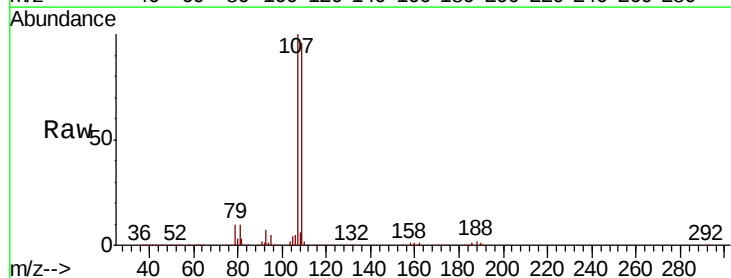
Acq: 29 Jun 2021 12:57

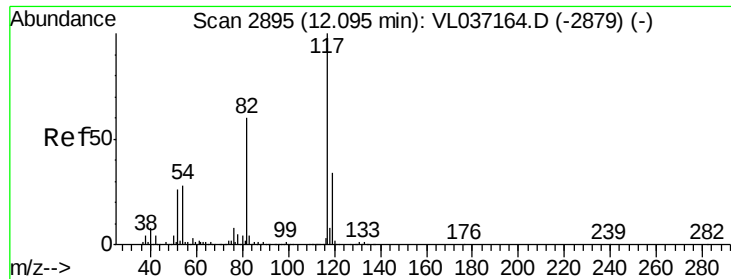
Tgt Ion: 107 Resp: 2230130

Ion Ratio Lower Upper

107 100

109 96.3 77.0 115.6





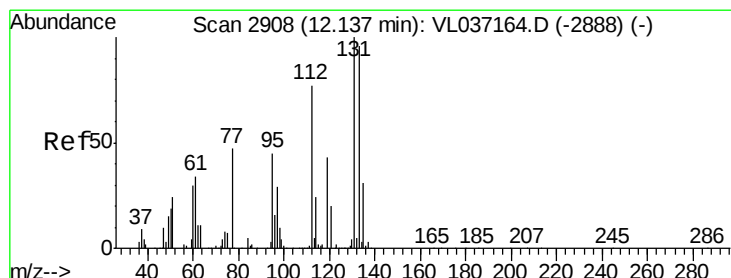
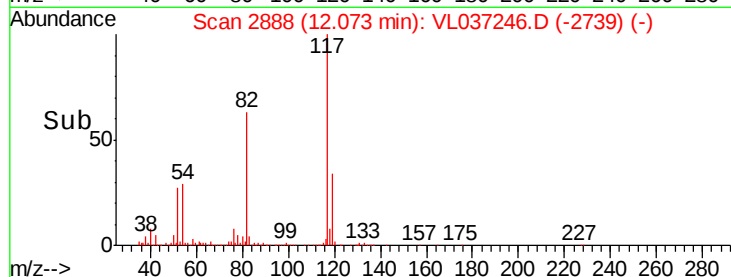
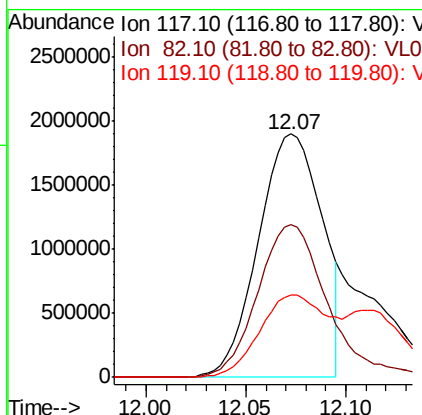
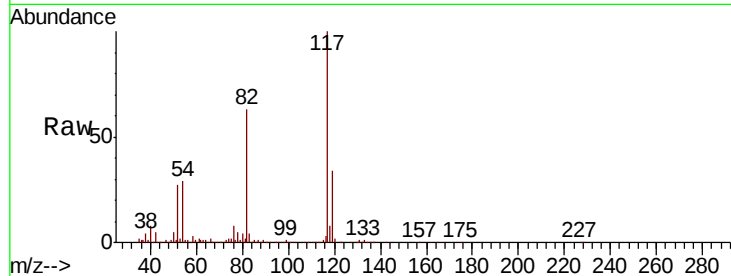
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2888
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion:117 Resp: 4230387
Ion Ratio Lower Upper
117 100
82 69.3 51.7 77.5
119 62.6 47.6 71.4

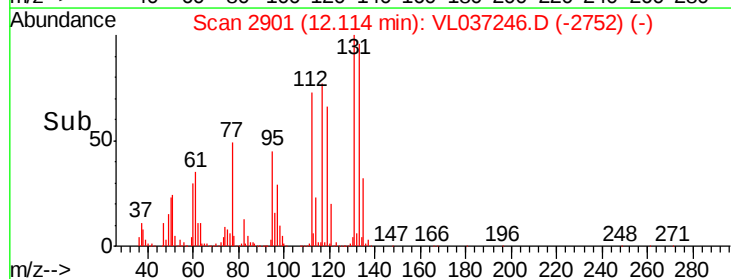
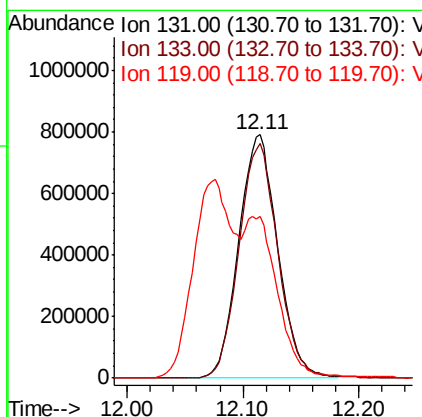
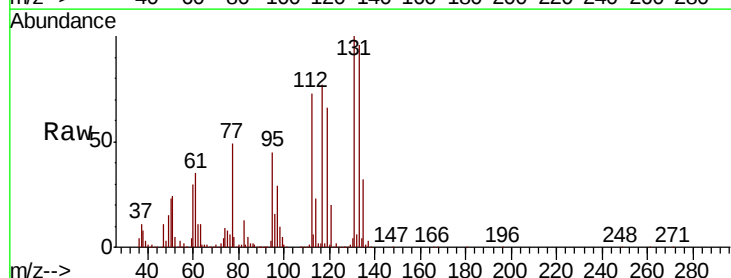
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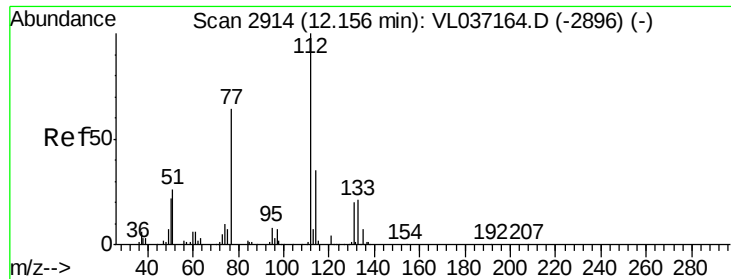
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.935 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion:131 Resp: 1837589
Ion Ratio Lower Upper
131 100
133 97.3 76.5 114.7
119 57.3 48.6 72.8





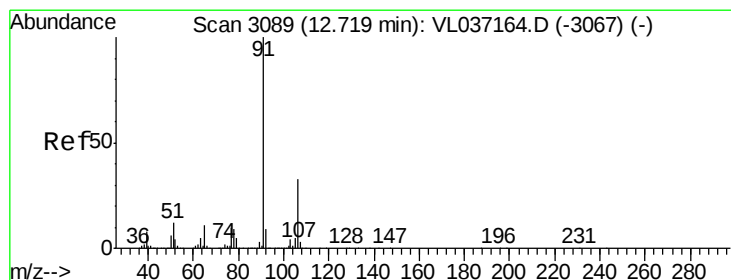
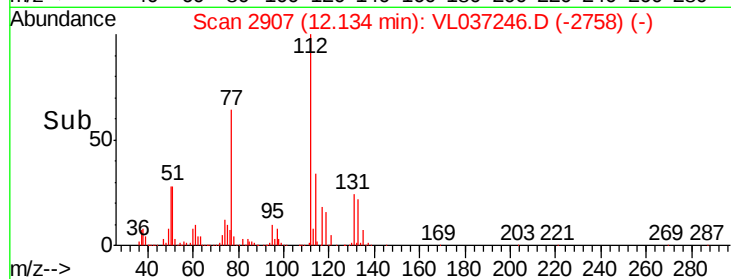
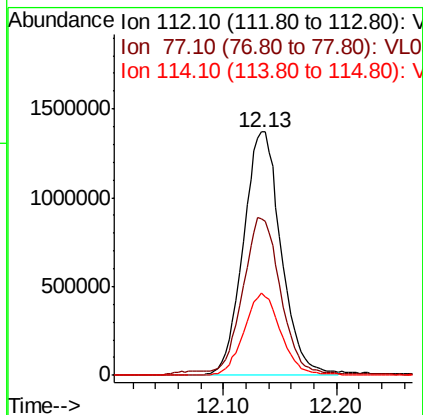
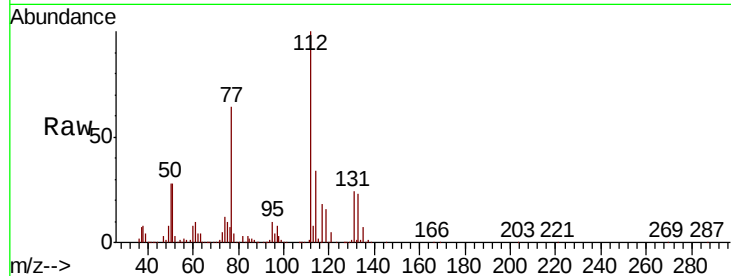
#57
Chlorobenzene
Concen: 9.287 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.3	52.2	78.4
114	34.0	31.1	38.1

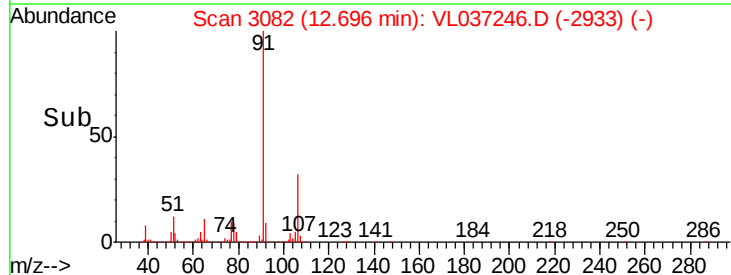
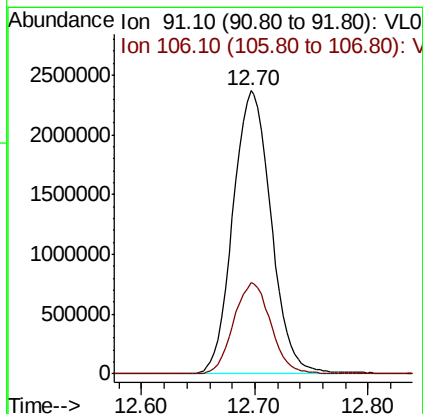
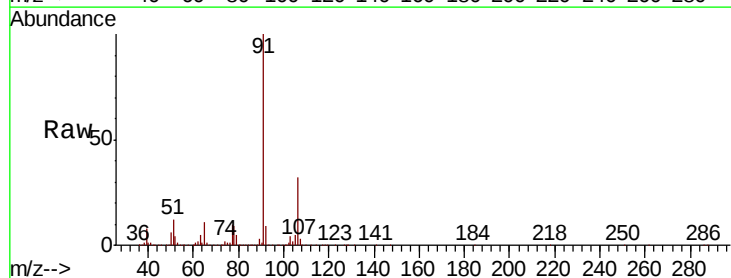
Manual Integrations
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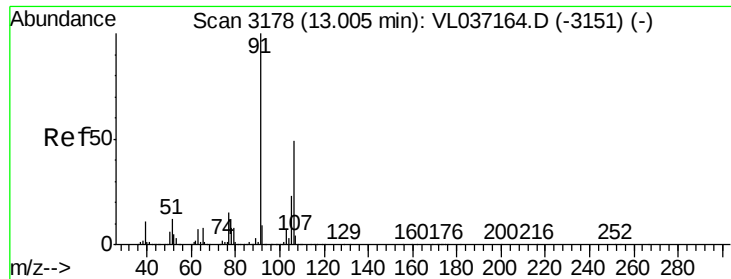
MMDadoda
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#58
Ethyl Benzene
Concen: 9.554 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.3	39.5





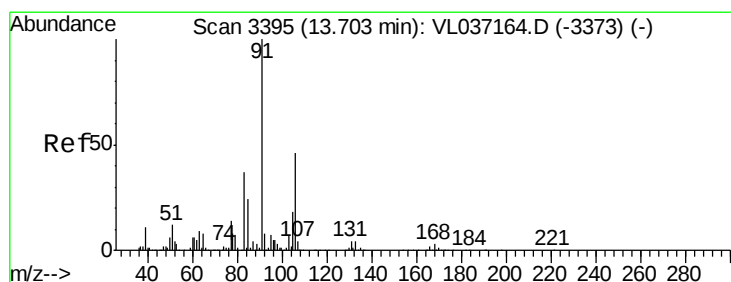
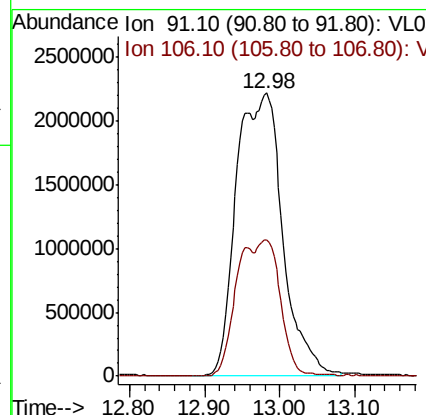
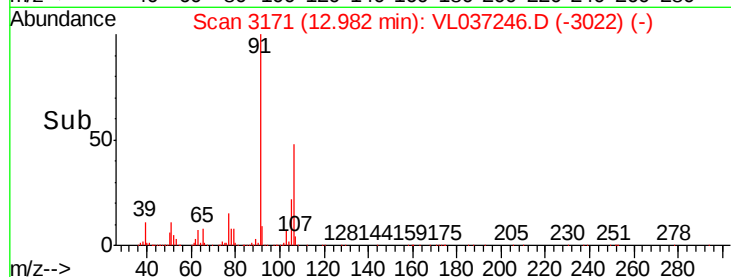
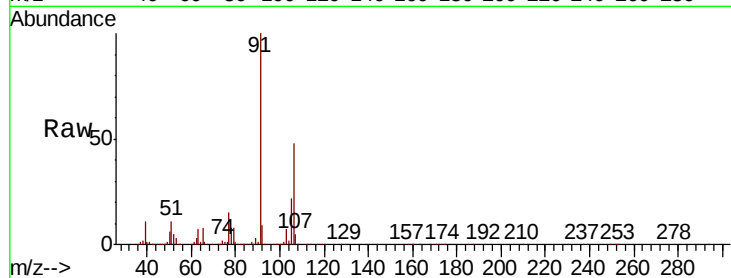
#59
m/p-Xylene
Concen: 19.268 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 91 Resp: 9509094
Ion Ratio Lower Upper
91 100
106 45.4 37.0 55.4

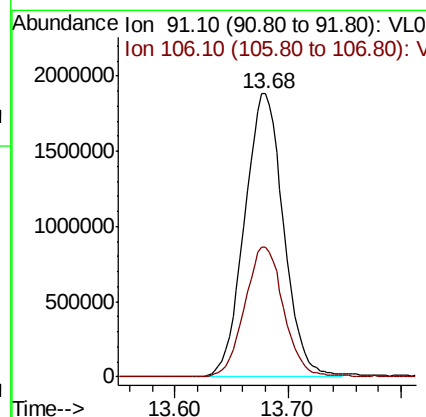
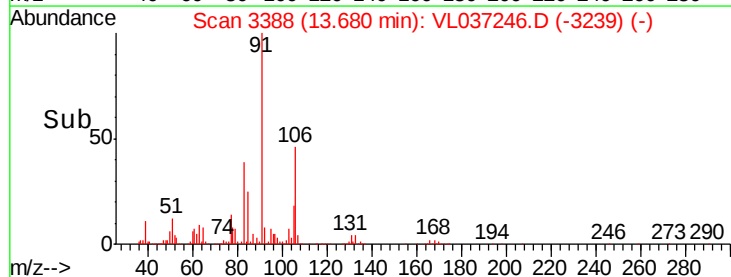
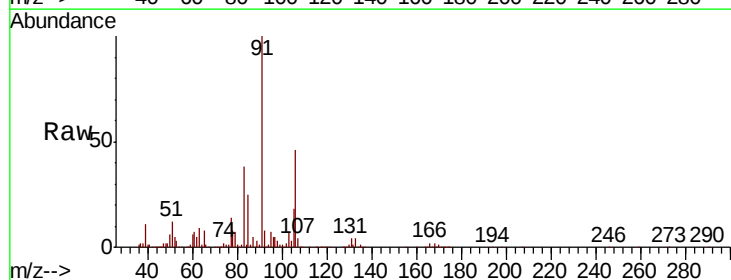
Manual Integrations
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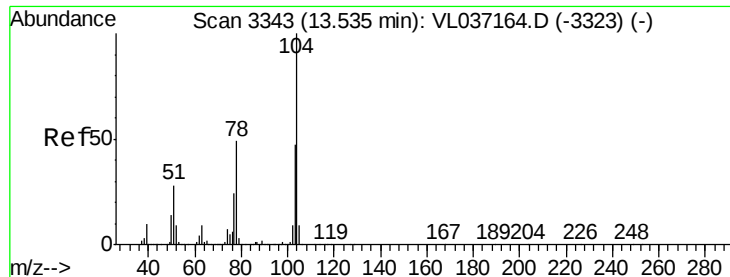
MMDadoda
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#60
o-Xylene
Concen: 9.596 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 91 Resp: 4509367
Ion Ratio Lower Upper
91 100
106 46.0 23.0 69.0





#61

Stvrene

Concen: 10.440 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:104 Resp: 2532016

Ion Ratio Lower Upper

104 100

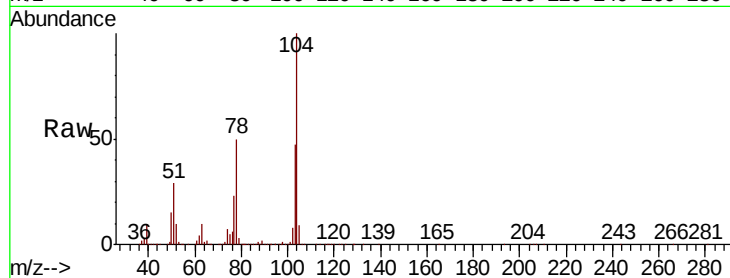
78 51.6 39.7 59.5

103 48.0 37.6 56.4

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Abundance Ion 104.10 (103.80 to 104.80): V

1500000 Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

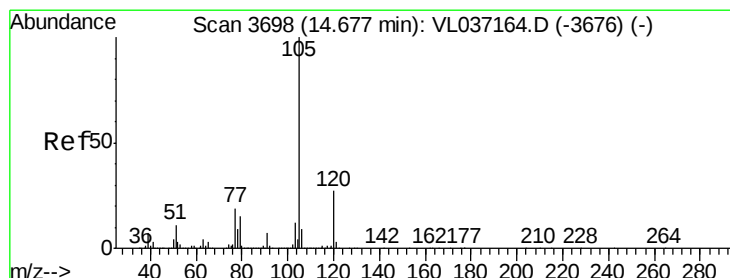
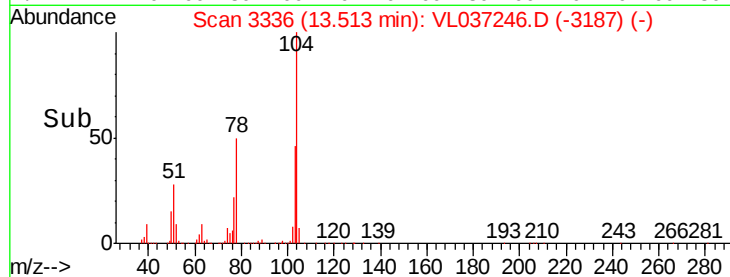
13.51

1000000

500000

0

Time--> 13.40 13.50 13.60



#62

Isopropylbenzene

Concen: 9.468 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. -0.02 min

Lab File: VL037246.D

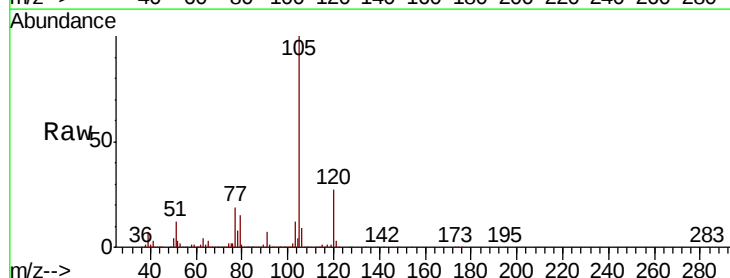
Acq: 29 Jun 2021 12:57

Tgt Ion:105 Resp: 6327066

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

3000000 Ion 120.20 (119.90 to 120.90): V

2500000

2000000

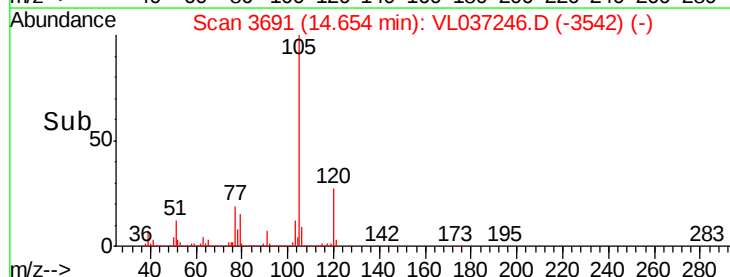
1500000

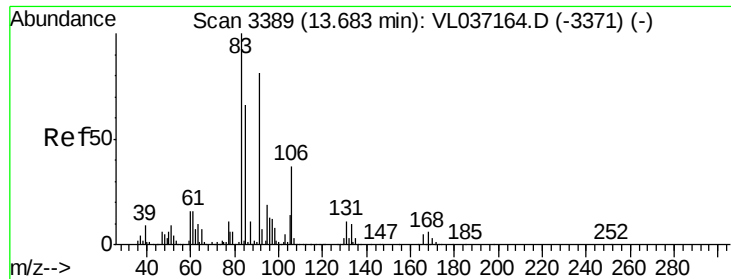
1000000

500000

0

Time--> 14.60 14.70





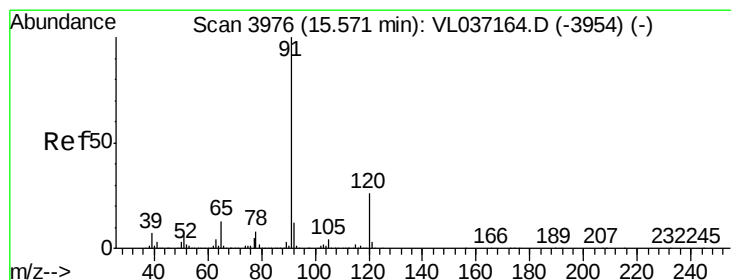
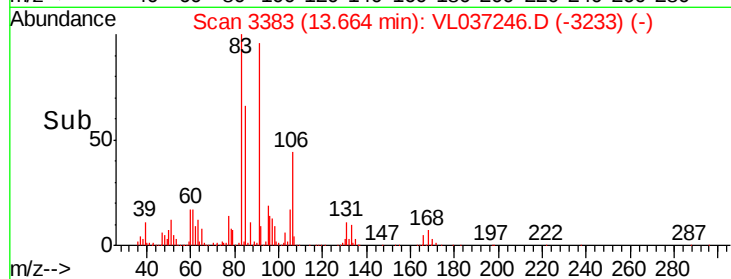
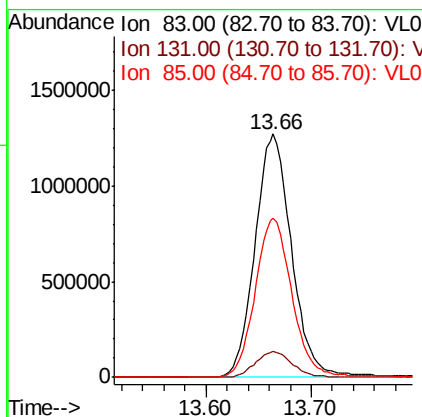
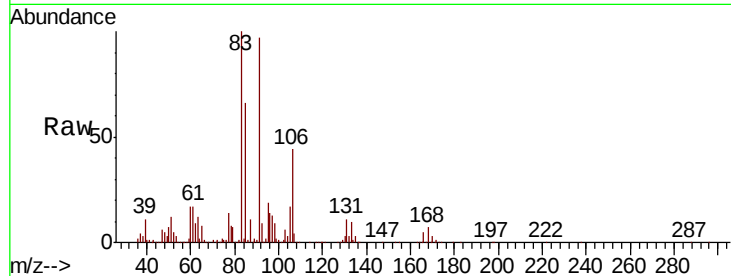
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.722 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	67.0	33.1	99.2

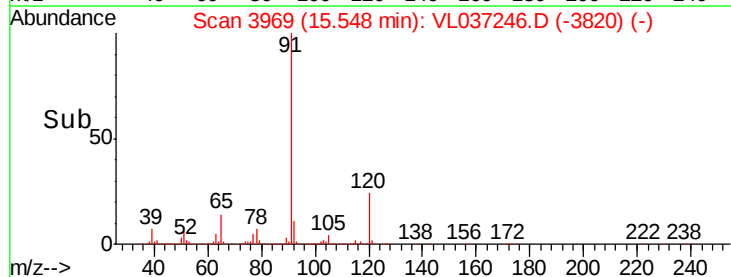
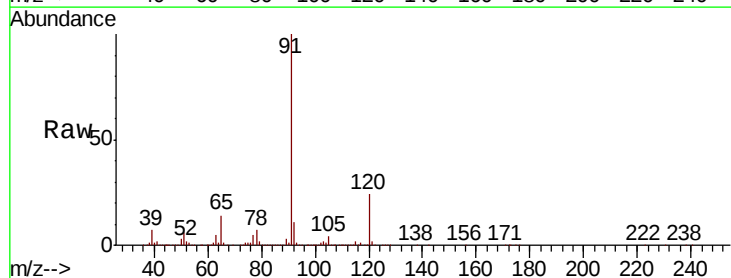
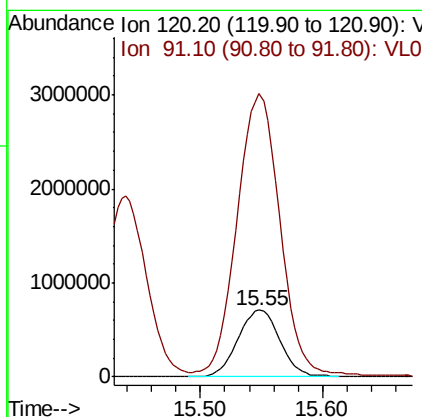
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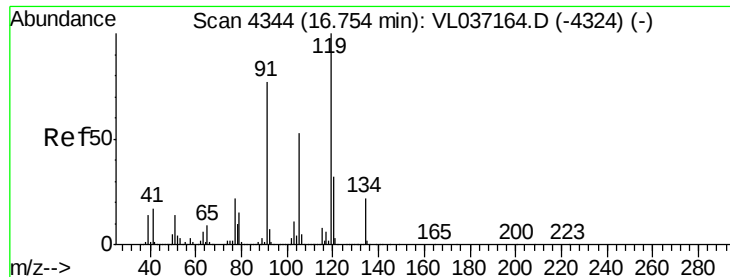
MMDadoda
 7/5/2021 3:38:04 PM



#64
 n-propylbenzene
 Concen: 10.124 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
120	100		
91	437.9	343.3	514.9





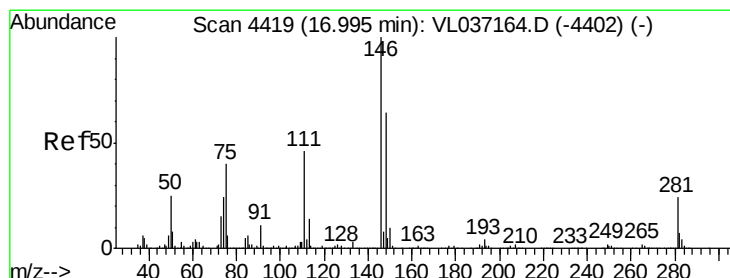
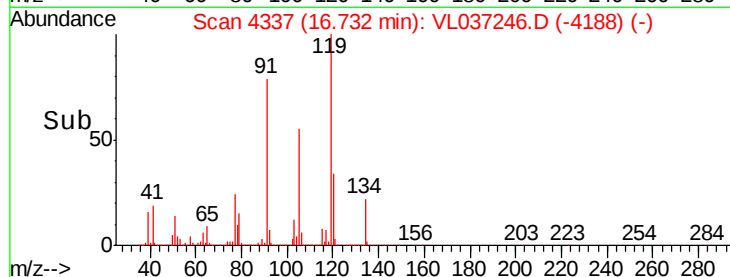
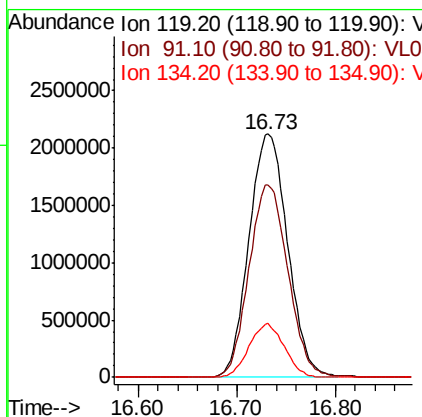
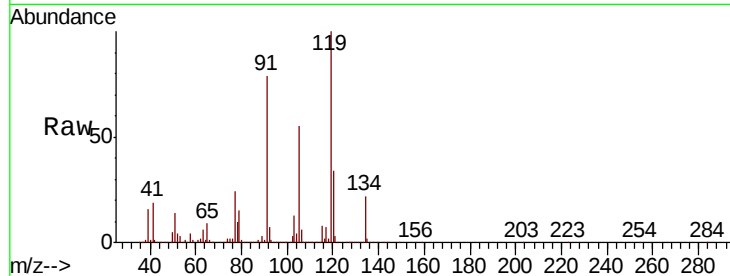
#65
tert-Butylbenzene
Concen: 9.701 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.0	62.6	93.8
134	20.3	16.2	24.4

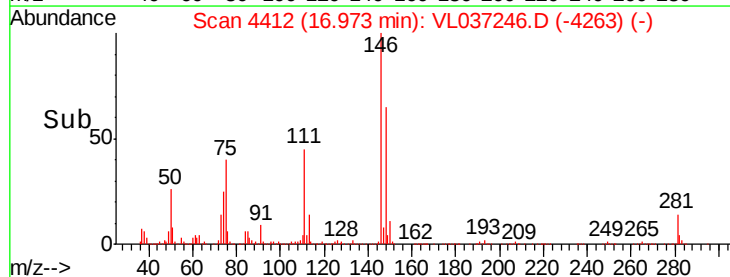
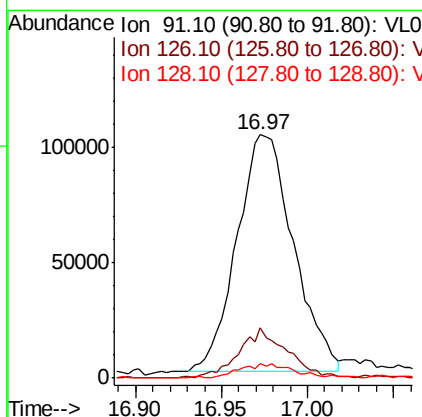
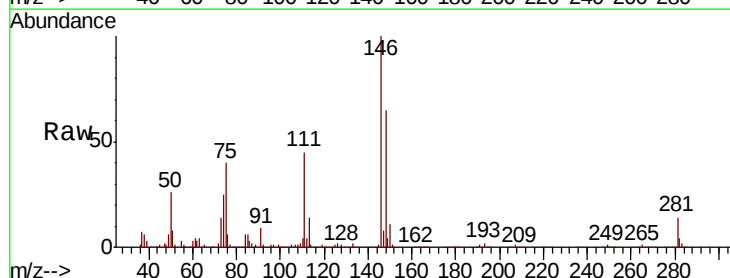
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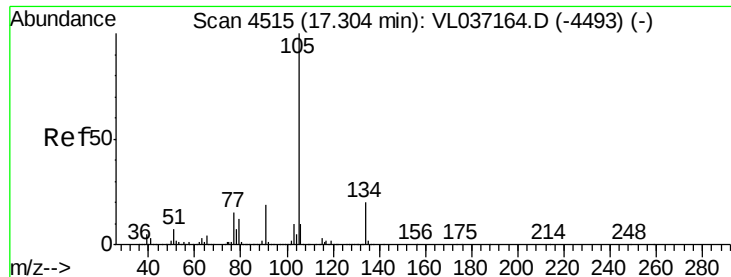
MMDadoda
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#66
Benzyl Chloride
Concen: 9.339 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.0	15.5	23.3
128	6.2	5.7	8.5





#67

sec-Butylbenzene

Concen: 9.671 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:105 Resp: 7642965

Ion Ratio Lower Upper

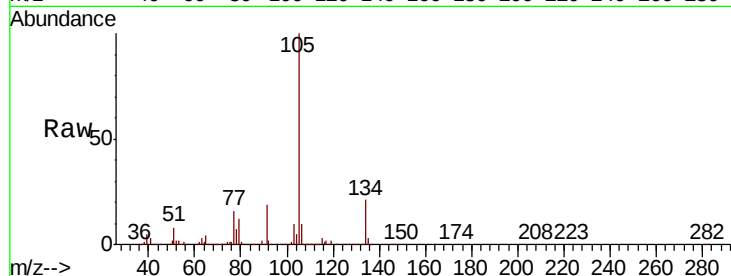
105 100

134 19.7 15.8 23.6

Manual Integrations
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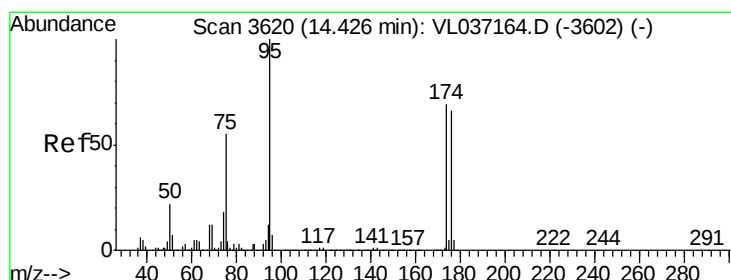
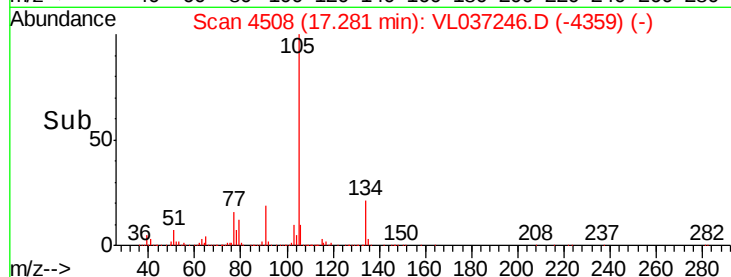
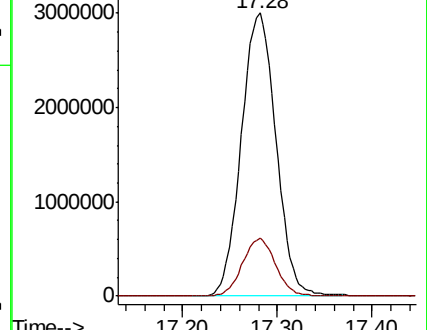
MMDadoda

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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: 11.305 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

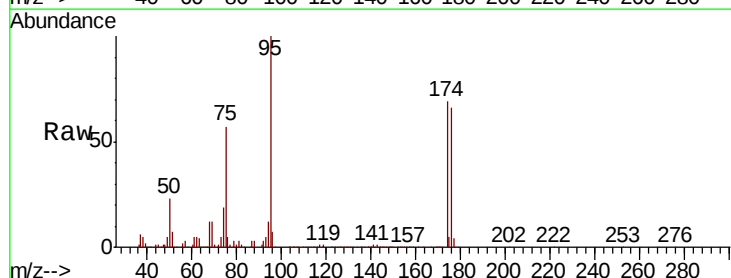
Tgt Ion: 95 Resp: 3623859

Ion Ratio Lower Upper

95 100

174 71.5 57.0 85.4

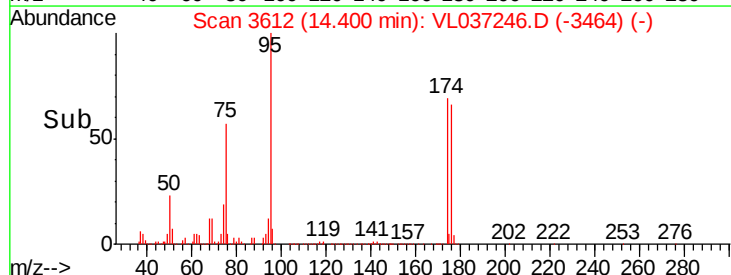
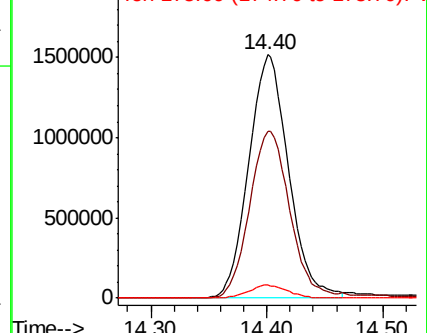
175 5.5 4.4 6.6

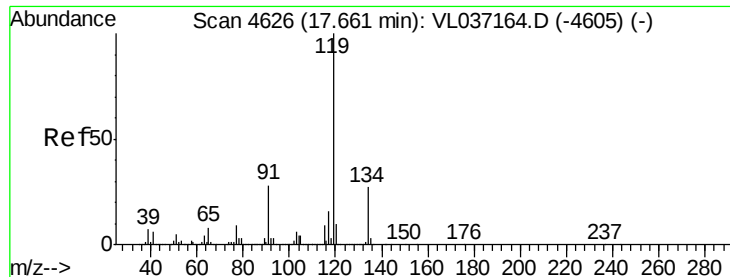


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





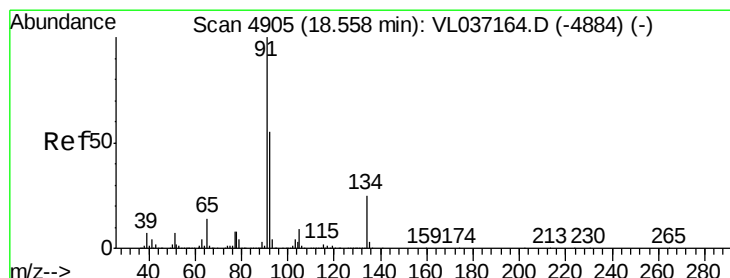
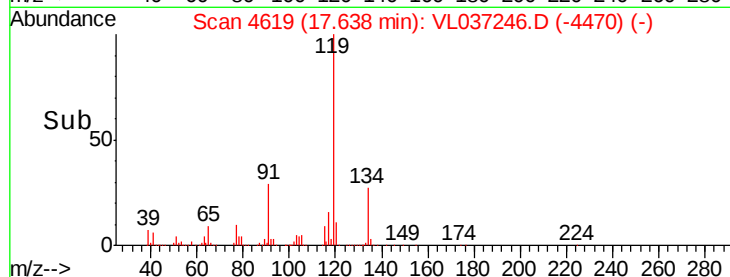
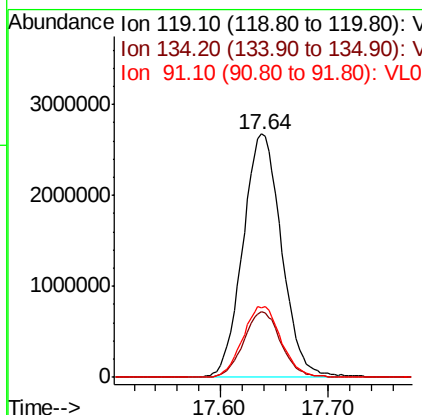
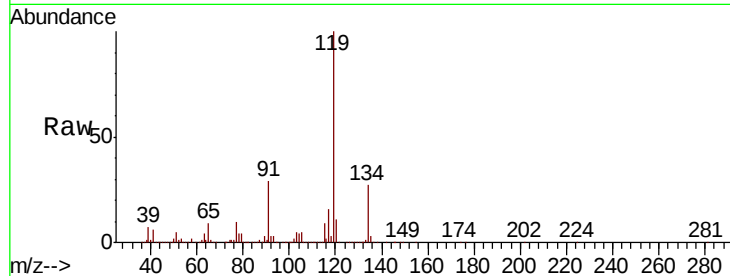
#69
 p-Isopropyltoluene
 Concen: 9.951 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.9	31.3
91	29.0	22.6	34.0

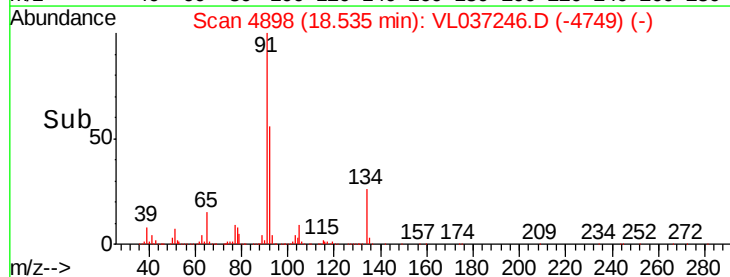
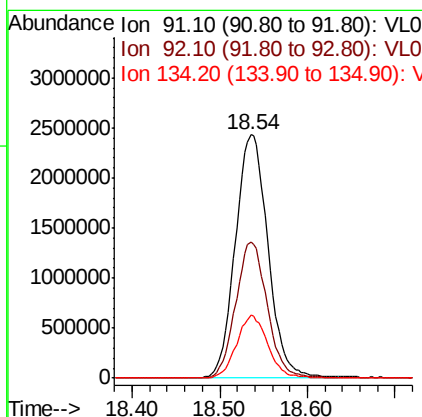
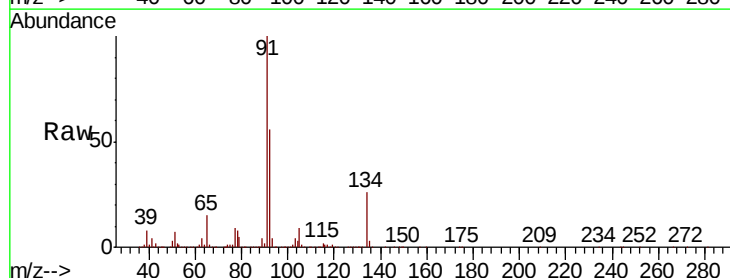
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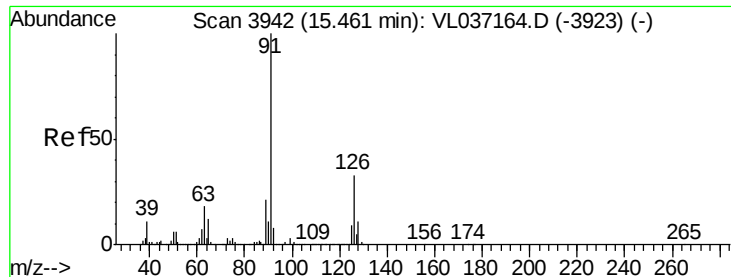
MMDadoda
 7/5/2021 3:38:04 PM



#70
 n-Butylbenzene
 Concen: 10.198 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.0	66.0
134	24.7	20.2	30.4





#71

2-Chlorotoluene

Concen: 9.834 ppbv

RT: 15.44 min Scan# 3935

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 91 Resp: 4594424

Ion Ratio Lower Upper

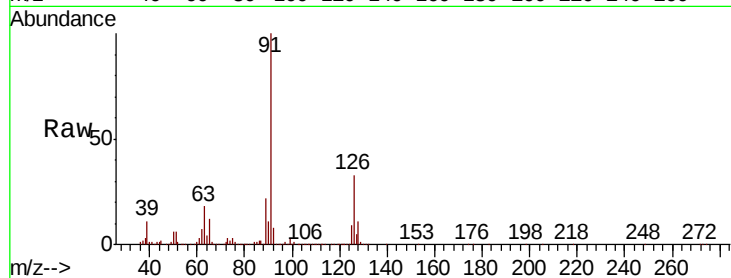
91 100

126 33.4 13.5 54.1

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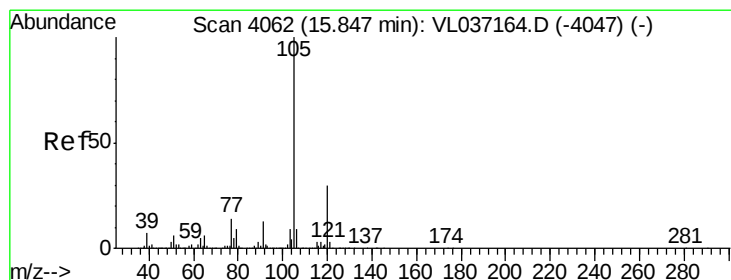
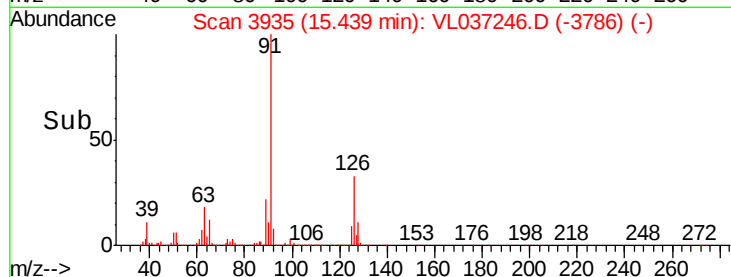
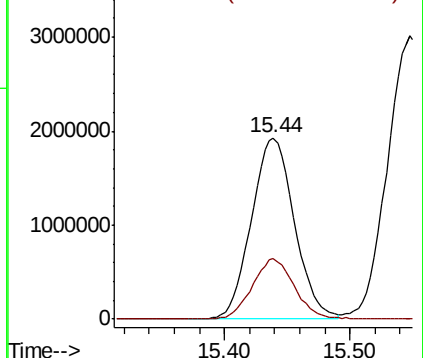
MMDadoda

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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: 10.114 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Tgt Ion:105 Resp: 5399326

Ion Ratio Lower Upper

105 100

120 30.9 24.7 37.1

91 13.3 10.2 15.4

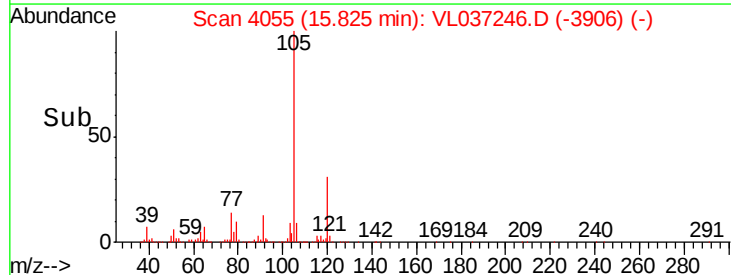
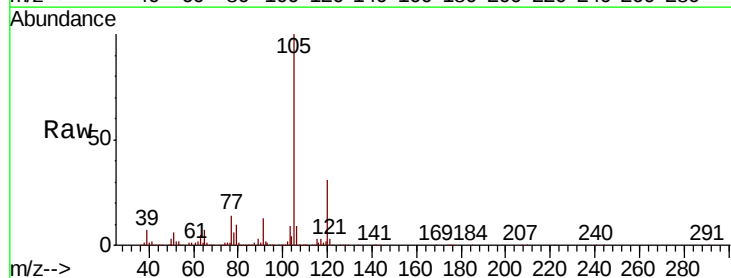
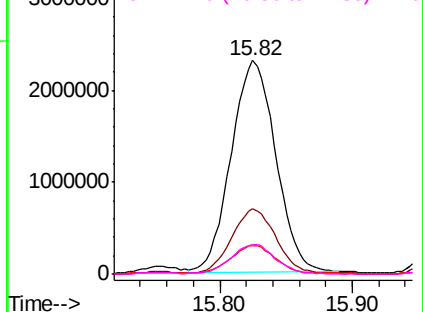
77 14.1 11.0 16.6

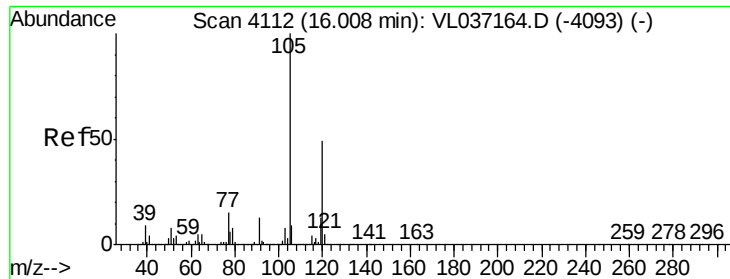
Abundance Ion 105.10 (104.80 to 105.80): V

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





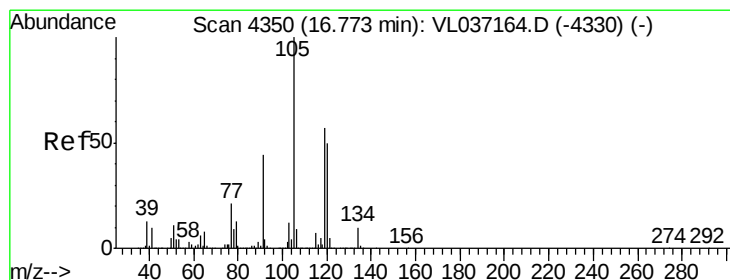
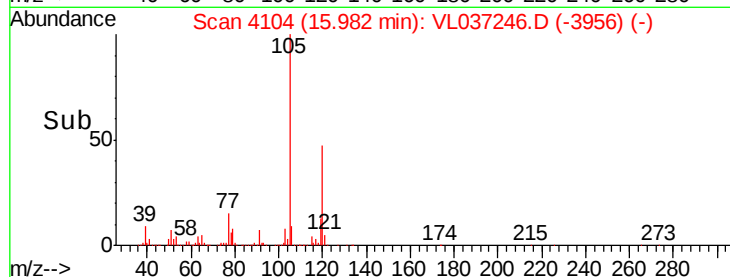
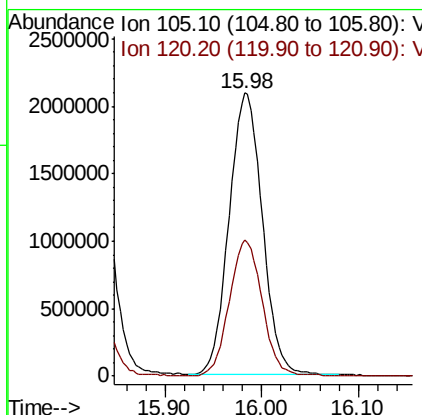
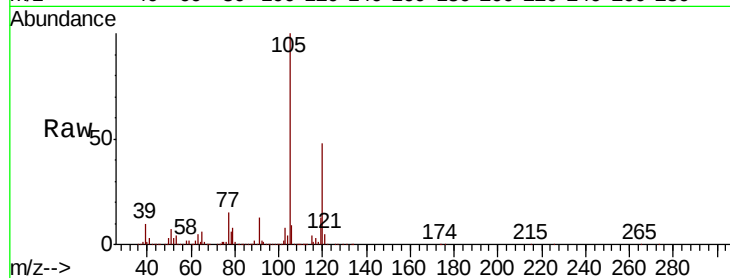
#73
 1,3,5-Trimethylbenzene
 Concen: 9.687 ppbv
 RT: 15.98 min Scan# 4104
 Delta R.T. -0.03 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion:105 Resp: 4998769
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.4 59.2

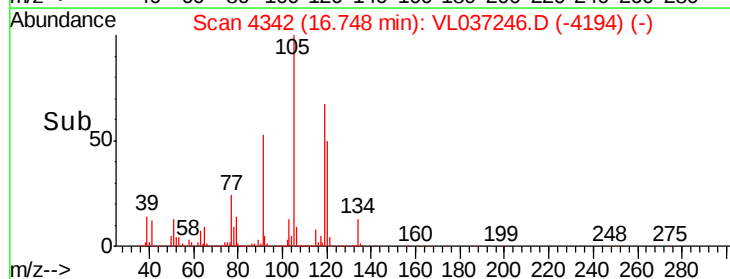
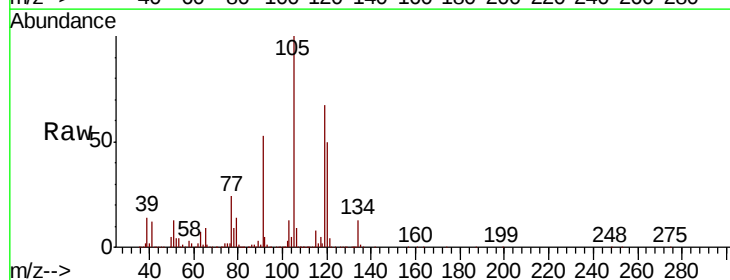
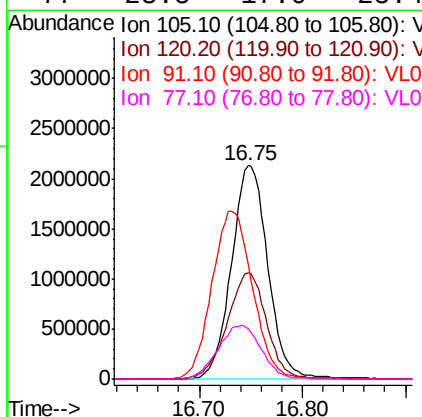
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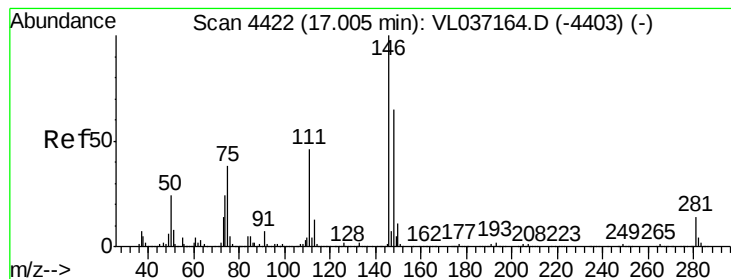
MMDadoda
 7/5/2021 3:38:04 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.808 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.03 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion:105 Resp: 5215085
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.8 59.8
 91 52.4 37.0 55.4
 77 23.5 17.0 25.4





#75

1,3-Dichlorobenzene

Concen: 9.703 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:146 Resp: 3136753

Ion Ratio Lower Upper

146 100

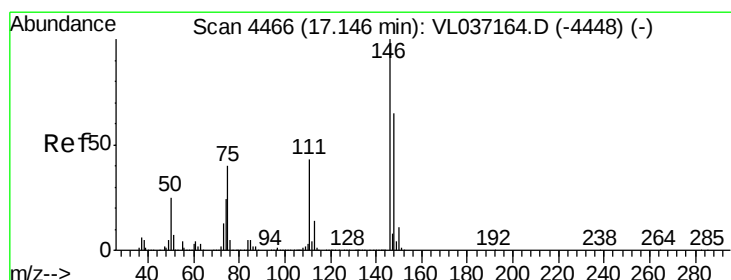
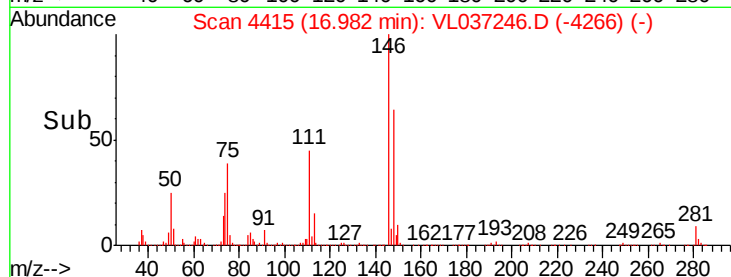
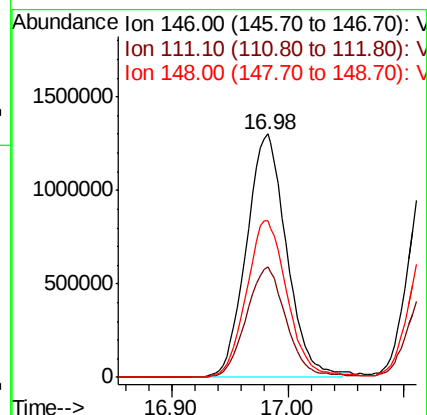
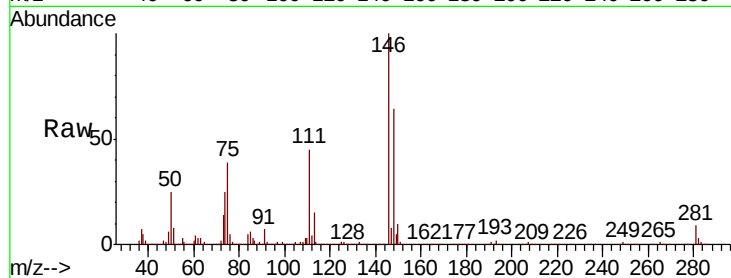
111 45.5 22.2 66.6

148 65.7 32.4 97.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.337 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

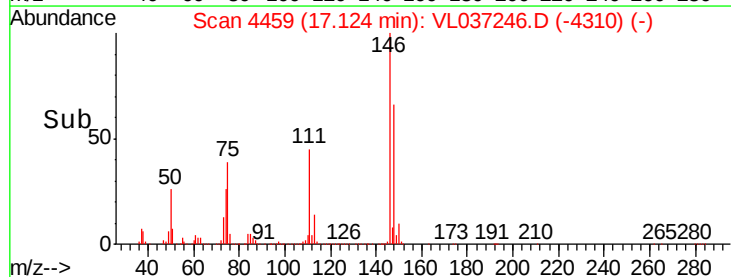
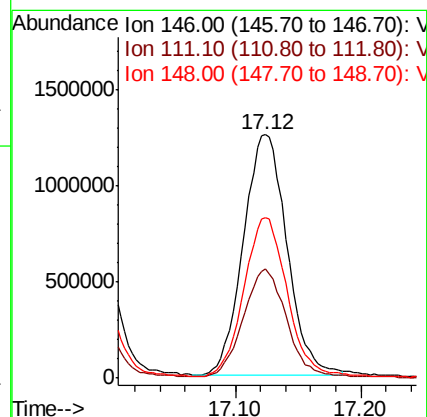
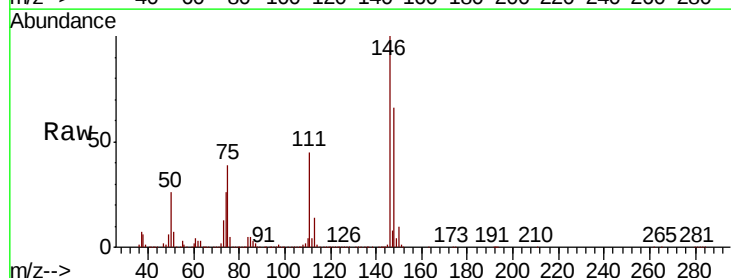
Tgt Ion:146 Resp: 3014921

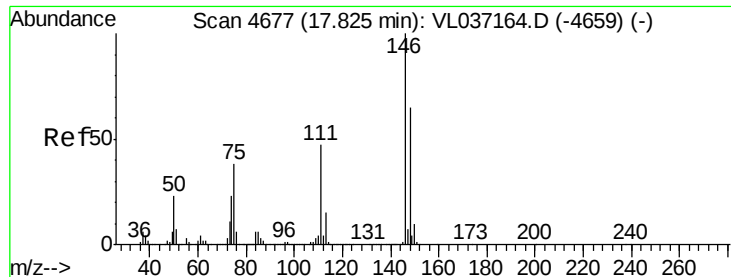
Ion Ratio Lower Upper

146 100

111 45.7 22.7 68.0

148 67.7 33.7 101.1





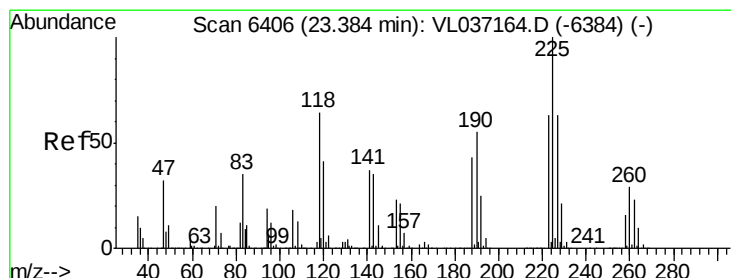
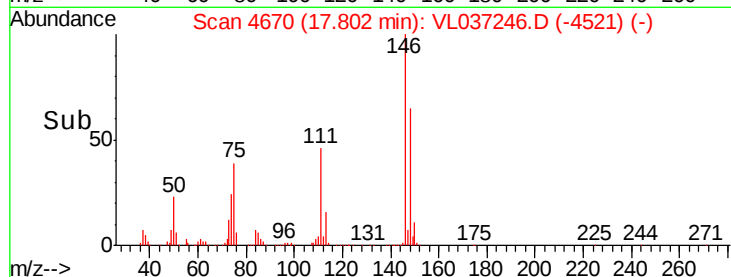
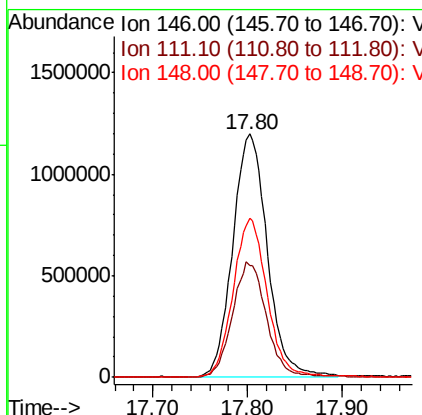
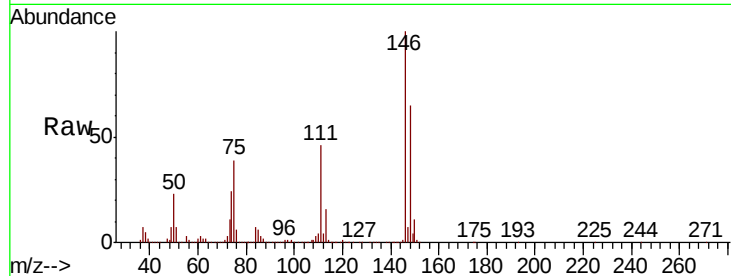
#77
 1,2-Dichlorobenzene
 Concen: 9.683 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion:146 Resp: 3028243
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.3 69.8
 148 64.6 32.4 97.0

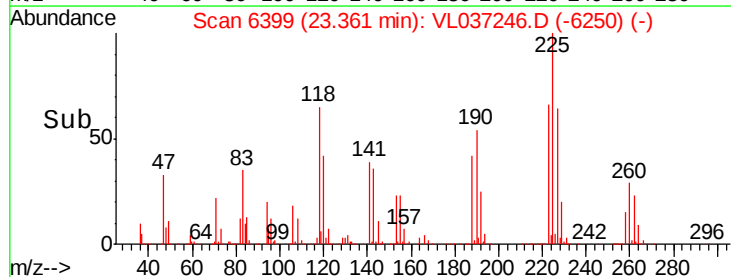
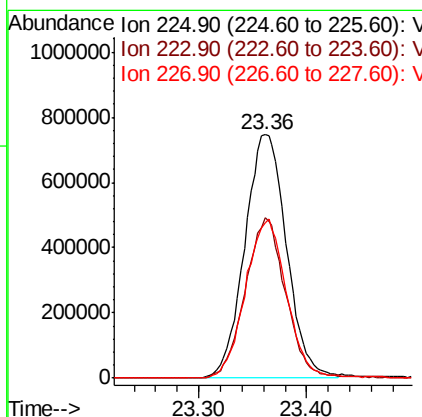
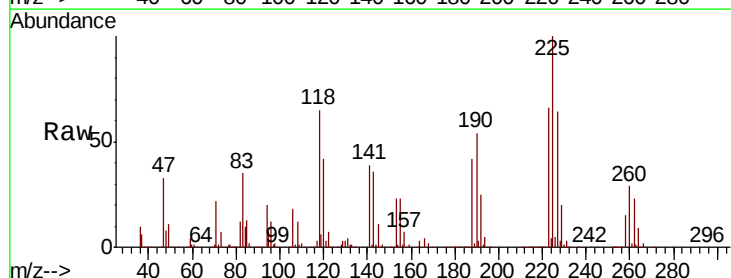
Manual Integrations
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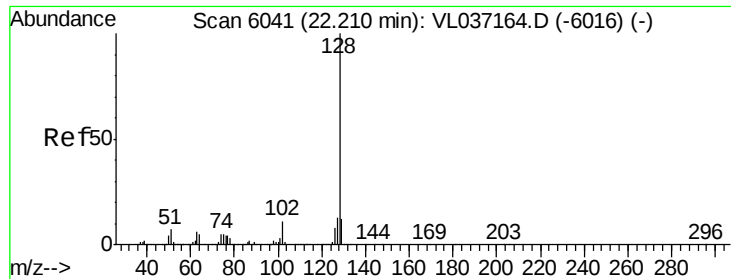
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.471 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion:225 Resp: 2008920
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.8 77.8
 227 64.9 51.4 77.0





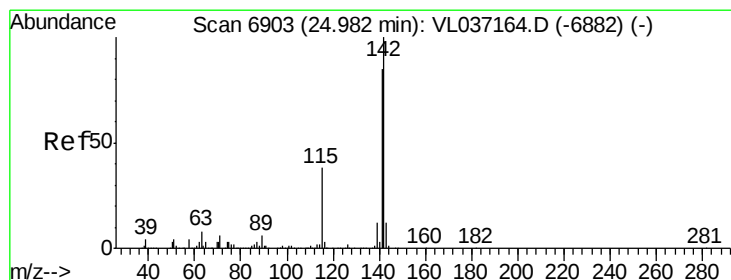
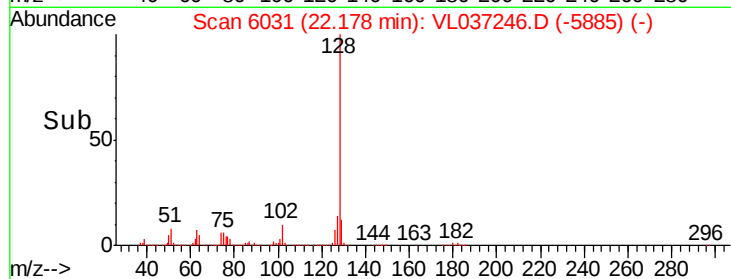
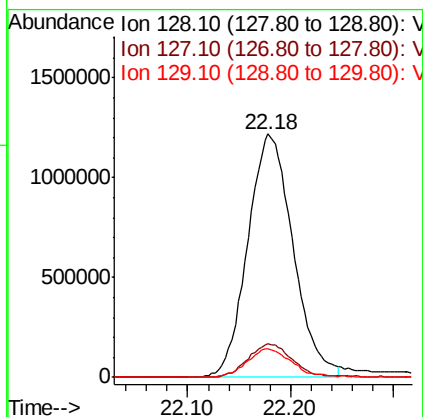
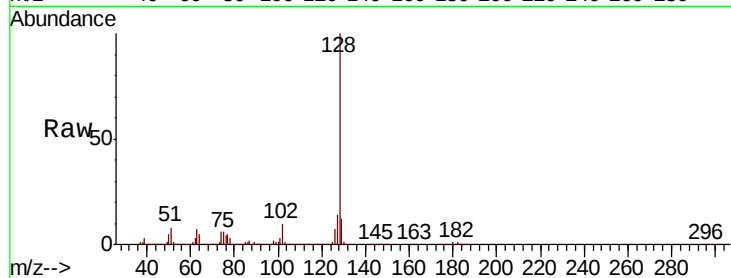
#79
Naphthalene
Concen: 8.384 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. -0.03 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.6	9.3	13.9

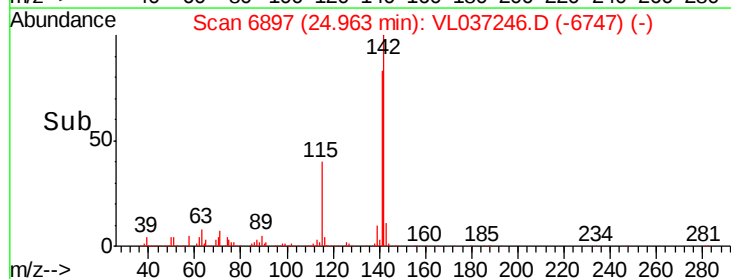
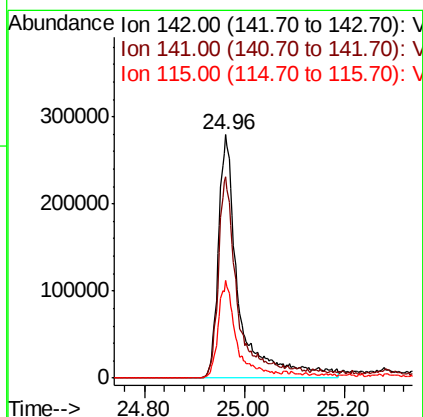
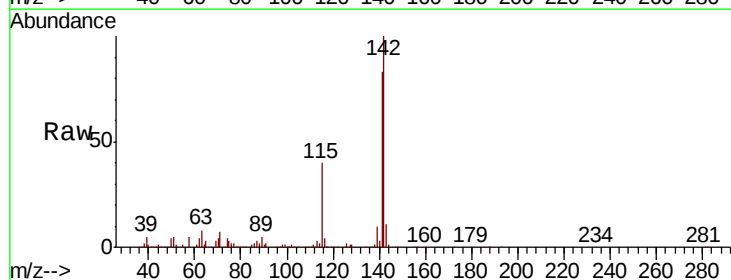
Manual Integrations
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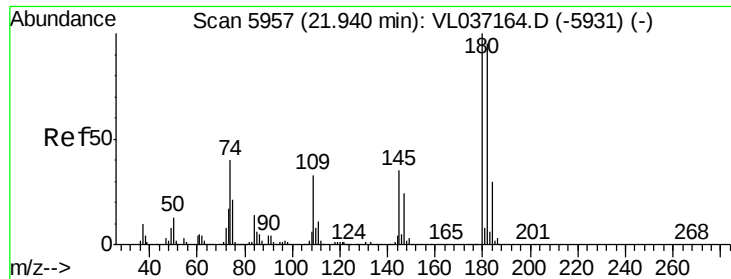
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#80
Naphthalene, 2-methyl-
Concen: 6.908 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	77.3	63.7	95.5
115	37.6	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.658 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.03 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	79.3	118.9
184	31.5	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
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