

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092321\
 Data File : VL037669.D
 Acq On : 23 Sep 2021 19:09
 Operator : SY/AP
 Sample : VL0923ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Manual Integrations
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 9/27/2021 10:56:31 AM

Quant Time: Sep 24 07:05:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1642822	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4886205	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4339001m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3339585	10.65	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1748588	5.882	ppbv	100
3) Chlorodifluoromethane	2.99	51	2714959	8.762	ppbv	100
4) Chloromethane	3.15	50	1026204	8.963	ppbv	99
5) Vinyl Chloride	3.26	62	1027282	9.553	ppbv	94
6) Bromomethane	3.48	94	584109	9.345	ppbv	98
7) Chloroethane	3.56	64	342725	8.528	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2294979	8.949	ppbv	98
9) Propene	3.02	41	964547	8.824	ppbv	96
10) Heptane	8.13	43	2539588	9.957	ppbv	100
11) Trichlorofluoromethane	3.95	101	2160996	9.054	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1589479	9.023	ppbv	100
13) Ethanol	3.62	45	94885	8.875	ppbv	94
14) Bromoethene	3.74	108	737164	9.193	ppbv	98
15) Acetone	3.85	43	1225352	7.179	ppbv	97
16) 1,3-Butadiene	3.33	39	1001626	9.391	ppbv	100
17) tert-Butyl alcohol	4.29	59	1308191	9.038	ppbv	99
18) 1,1-Dichloroethene	4.29	96	712610	8.683	ppbv	96
19) Isopropyl Alcohol	3.97	45	744498	8.016	ppbv #	96
20) Methylene Chloride	4.35	84	601784	7.385	ppbv	96
21) Allyl Chloride	4.42	41	1192909	9.355	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	724214	8.771	ppbv	98
23) Vinyl Acetate	5.08	43	2425180	10.268	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1542783	9.118	ppbv	98
25) Ethyl Acetate	5.68	43	3829136	9.263	ppbv	100
26) Hexane	5.69	57	1823372	9.285	ppbv	99
27) Carbon Disulfide	4.56	76	1754260	9.765	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1742008	10.071	ppbv	98
29) Chloroform	5.76	83	2634890	9.189	ppbv	99
30) Cyclohexane	7.14	84	1569392	9.344	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1699681	9.534	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2487654	9.318	ppbv	99
34) 2-Butanone	5.25	43	1730043	8.713	ppbv	99
35) Carbon Tetrachloride	7.02	117	2614168	9.458	ppbv	99
36) Benzene	6.90	78	3822196	9.381	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1841893	9.192	ppbv	99
38) Trichloroethene	7.84	130	1514187	8.896	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1446003	9.266	ppbv	96
40) 1,4-Dioxane	7.84	88	331804	8.741	ppbv #	1
41) Tetrahydrofuran	6.06	42	868744	9.307	ppbv	99
42) Bromodichloromethane	7.80	83	2767148	9.635	ppbv	97
43) Methyl Methacrylate	8.02	69	1367948	10.092	ppbv	100

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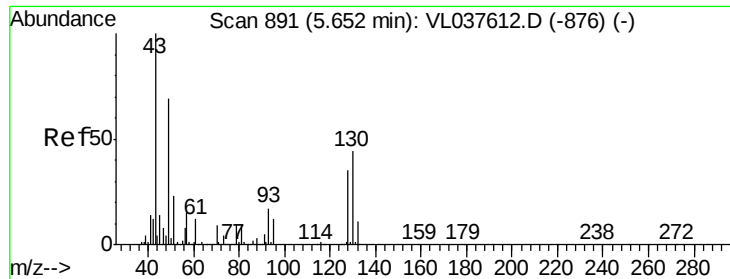
Manual Integrations
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Quant Time: Sep 24 07:05:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6381697	9.317	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1179416	11.077	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	1543279	10.731	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1544882	8.949	ppbv	97
48) Dibromochloromethane	10.31	129	2399295	9.963	ppbv	100
49) Bromoform	13.04	173	1844244	9.568	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	2478194	9.833	ppbv	99
51) 2-Hexanone	10.14	43	1091777	9.818	ppbv #	99
52) Tetrachloroethene	11.23	164	1367015	8.739	ppbv	95
53) Toluene	9.81	91	4380287	9.672	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2149710	9.095	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1668412	9.270	ppbv #	50
57) Chlorobenzene	12.15	112	3194776	8.856	ppbv	98
58) Ethyl Benzene	12.71	91	5526920	9.596	ppbv	99
59) m/p-Xylene	13.00	91	9188649m	18.306	ppbv	
60) o-Xylene	13.70	91	4311586	9.025	ppbv	98
61) Styrene	13.53	104	2444217	10.375	ppbv	99
62) Isopropylbenzene	14.67	105	5923759	8.876	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	3089285	8.263	ppbv	99
64) n-propylbenzene	15.56	120	1611922	9.359	ppbv	88
65) tert-Butylbenzene	16.75	119	5311580	8.827	ppbv	100
66) Benzyl Chloride	16.99	91	314698	9.570	ppbv	98
67) sec-Butylbenzene	17.29	105	7372335	9.030	ppbv	99
69) p-Isopropyltoluene	17.65	119	6153706	9.226	ppbv	100
70) n-Butylbenzene	18.55	91	5956180	9.438	ppbv	99
71) 2-Chlorotoluene	15.46	91	4379169	9.156	ppbv	99
72) 4-Ethyltoluene	15.84	105	5153205	9.397	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4632748	9.063	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4800178	8.915	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2936687	8.779	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2782944	8.435	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2831536	8.924	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2243889	8.403	ppbv	99
79) Naphthalene	22.19	128	3939813	11.917	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	1008003	13.340	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	2279122	10.738	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

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MSVOA_L

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Tgt Ion: 49 Resp: 1642822

Ion Ratio Lower Upper

49 100

128 55.8 27.9 83.6

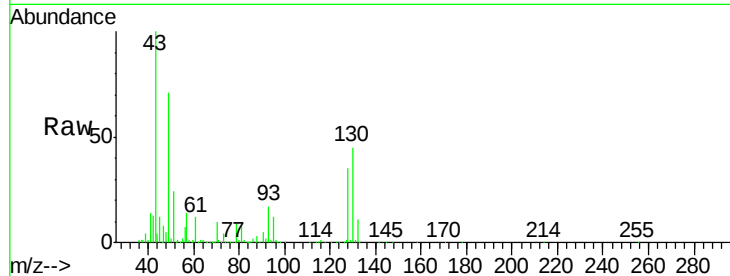
130 67.9 33.9 101.7

Manual Integrations

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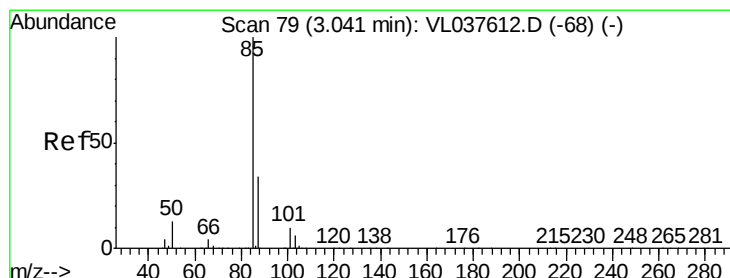
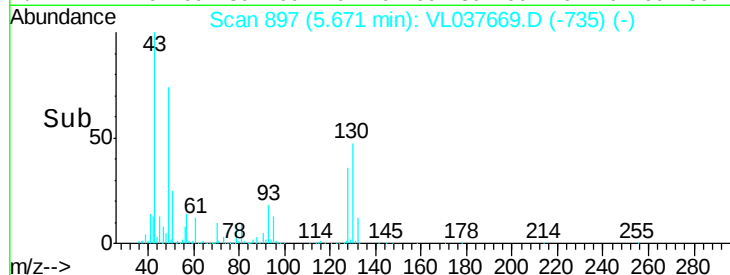
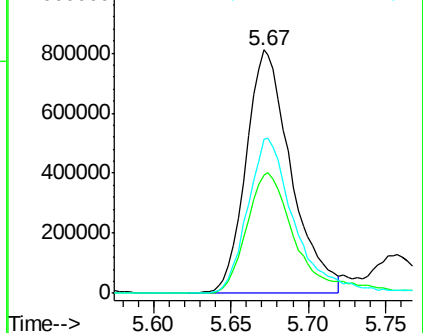
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.882 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037669.D

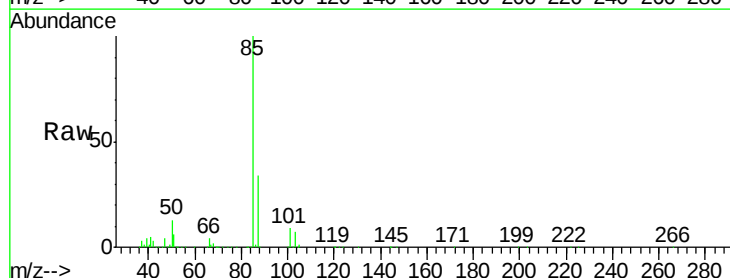
Acq: 23 Sep 2021 19:09

Tgt Ion: 85 Resp: 1748588

Ion Ratio Lower Upper

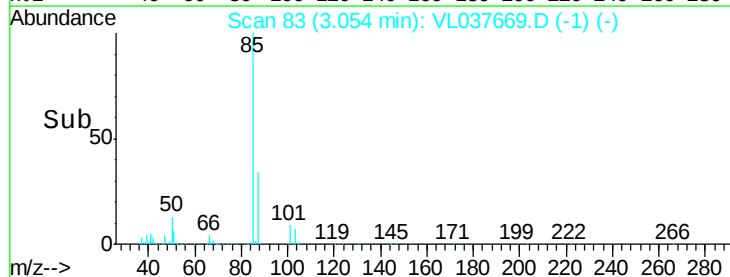
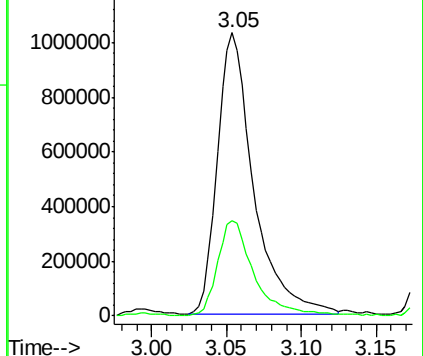
85 100

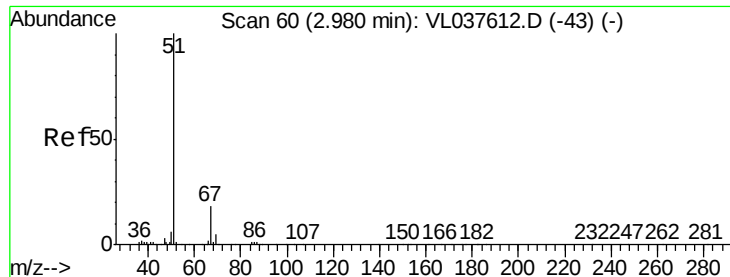
87 33.6 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





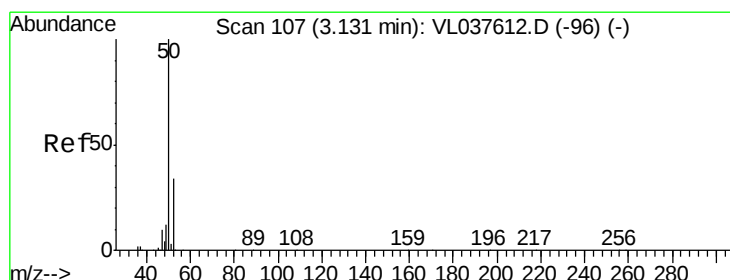
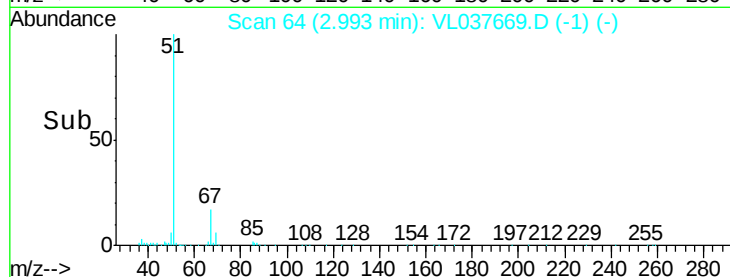
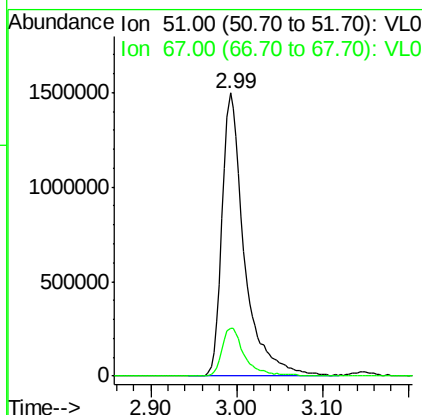
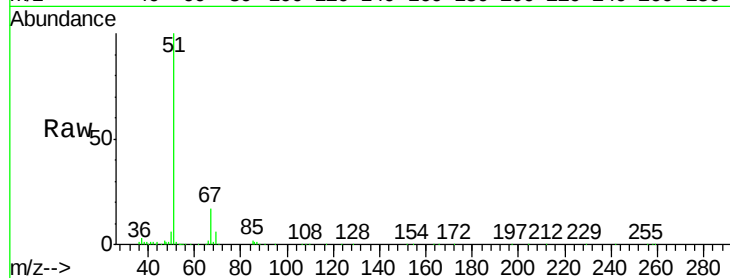
#3
Chlorodifluoromethane
Concen: 8.762 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

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Tgt Ion: 51 Resp: 2714959
Ion Ratio Lower Upper
51 100
67 17.4 14.0 21.0

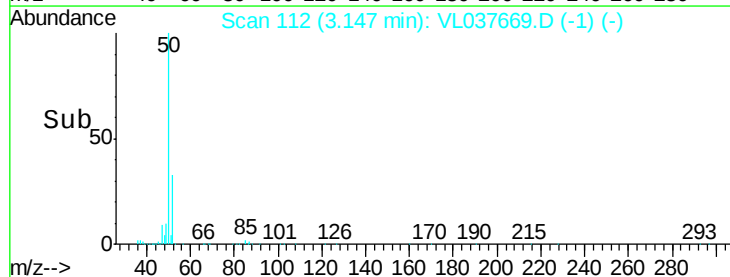
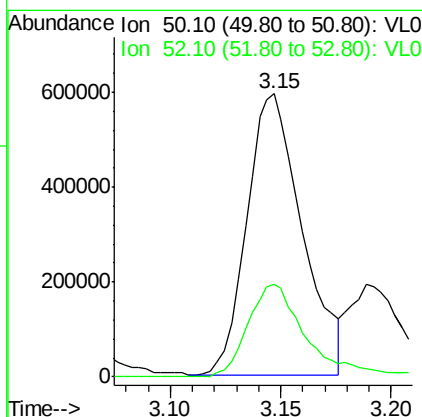
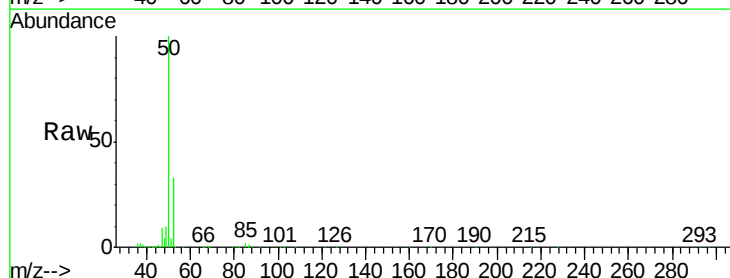
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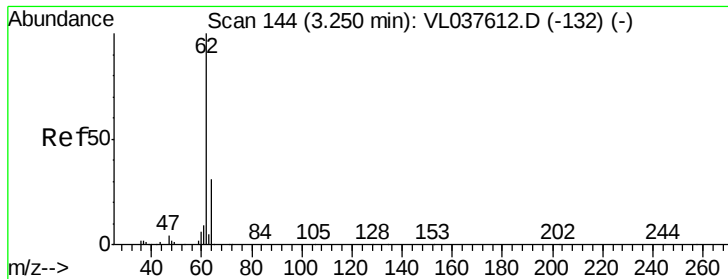
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#4
Chloromethane
Concen: 8.963 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 50 Resp: 1026204
Ion Ratio Lower Upper
50 100
52 33.1 27.1 40.7





#5

Vinyl Chloride

Concen: 9.553 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 62 Resp: 1027282

Ion Ratio Lower Upper

62 100

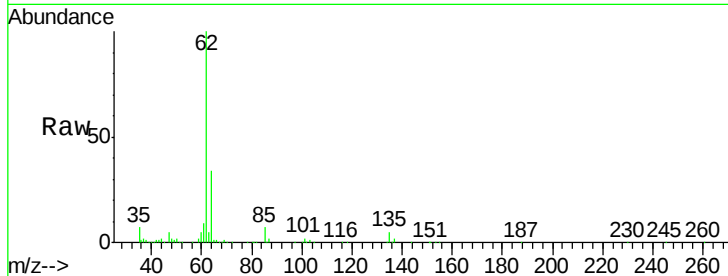
64 34.3 24.9 37.3

Manual Integrations

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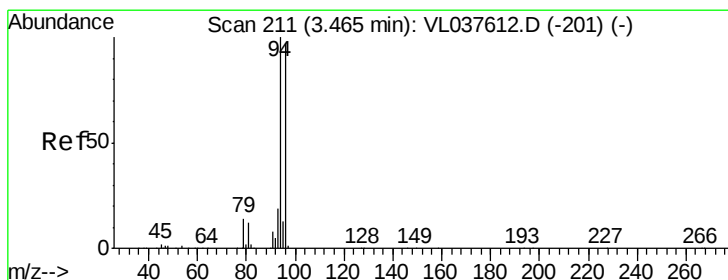
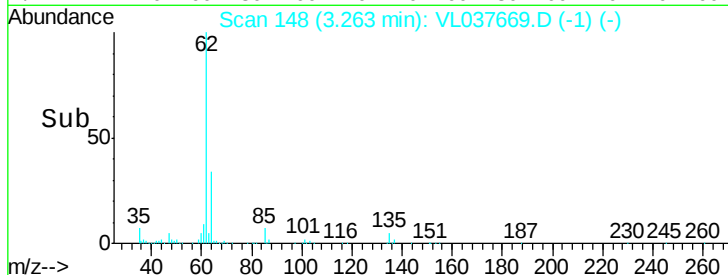
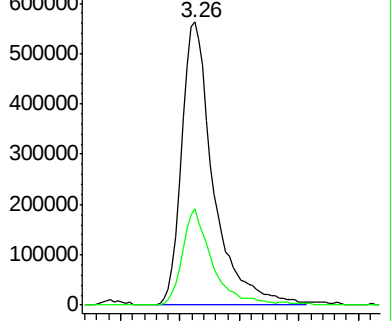
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.345 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037669.D

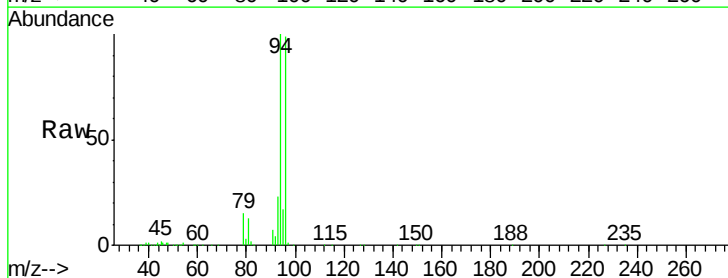
Acq: 23 Sep 2021 19:09

Tgt Ion: 94 Resp: 584109

Ion Ratio Lower Upper

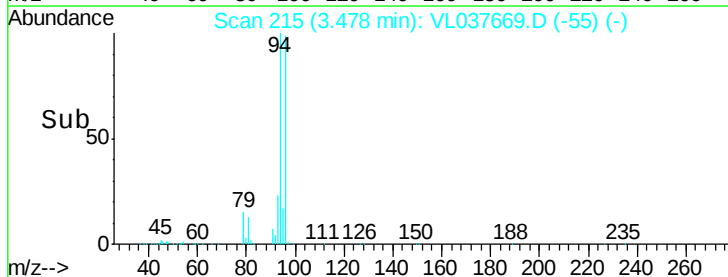
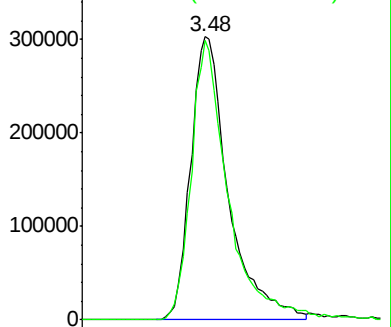
94 100

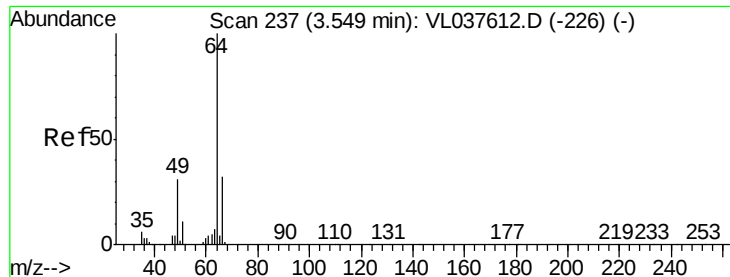
96 98.8 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.528 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

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ClientSampleId :

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Tgt Ion: 64 Resp: 342725

Ion Ratio Lower Upper

64 100

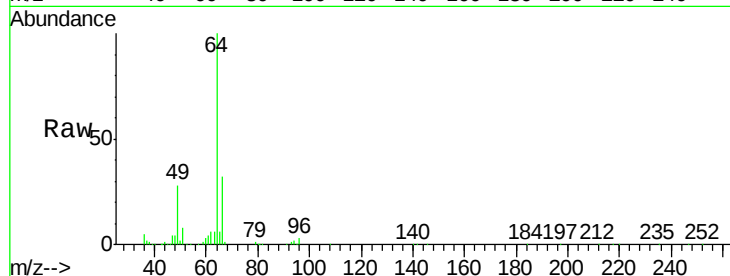
66 32.1 25.3 37.9

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

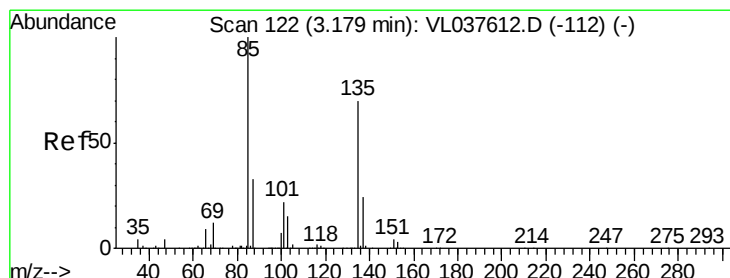
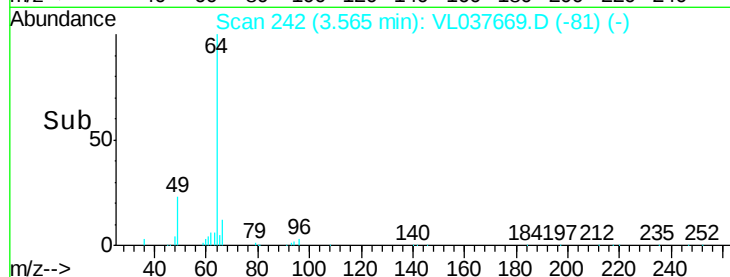
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50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.949 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL037669.D

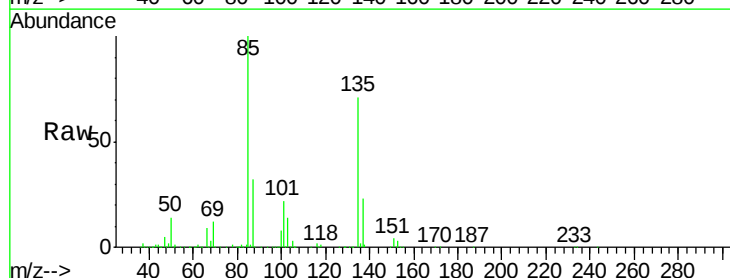
Acq: 23 Sep 2021 19:09

Tgt Ion: 85 Resp: 2294979

Ion Ratio Lower Upper

85 100

135 72.3 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

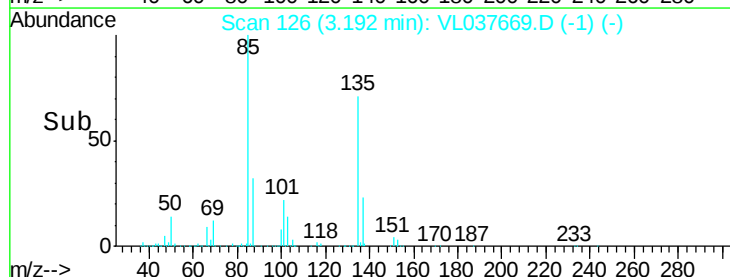
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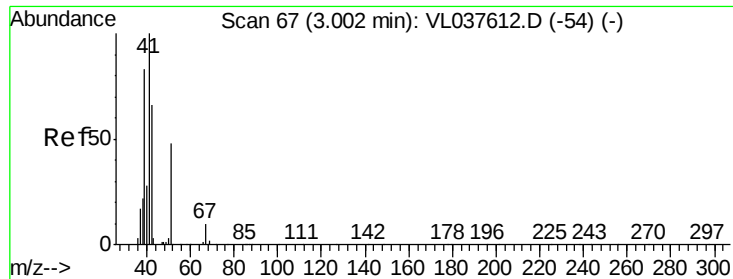
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Time-->





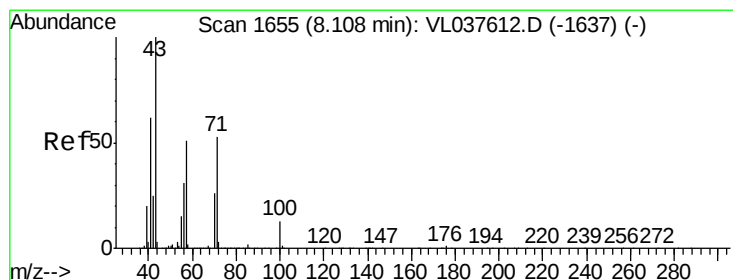
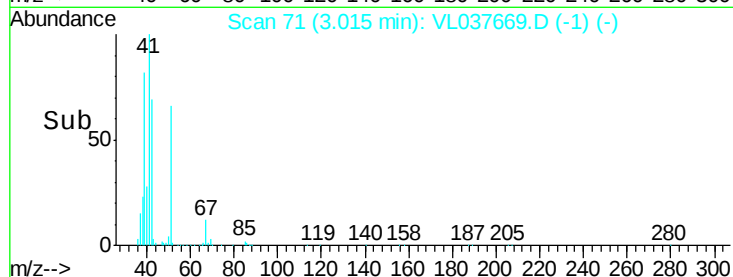
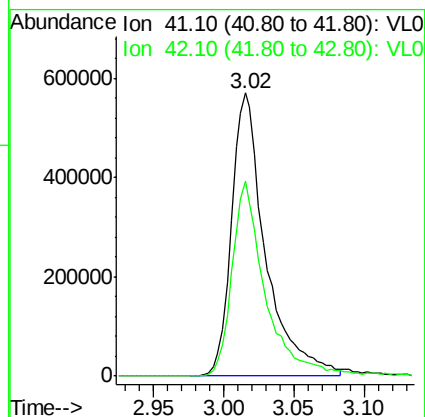
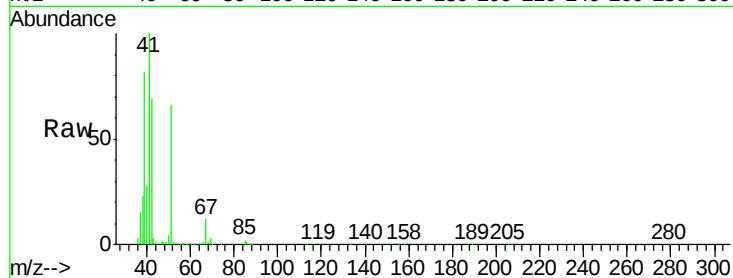
#9
 Propene
 Concen: 8.824 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 41 Resp: 964547
 Ion Ratio Lower Upper
 41 100
 42 68.3 57.2 85.8

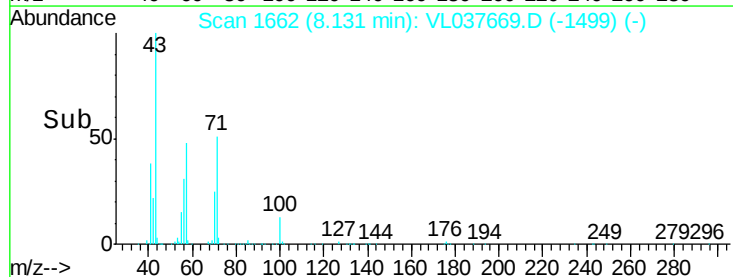
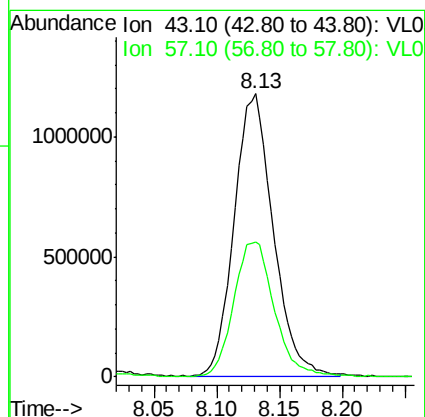
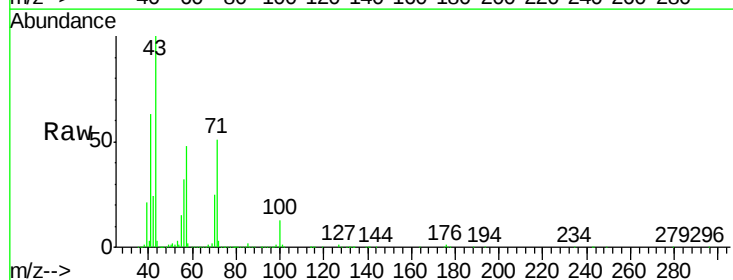
Manual Integrations
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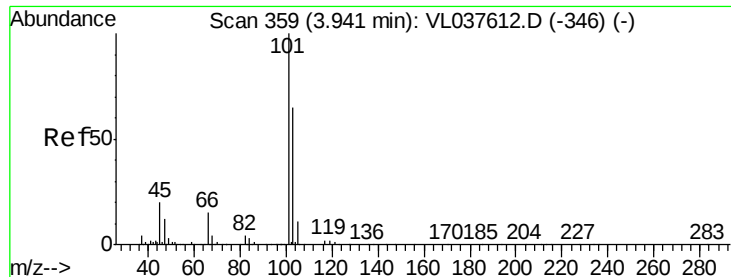
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#10
 Heptane
 Concen: 9.957 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.02 min
 Lab File: VL037669.D
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Tgt Ion: 43 Resp: 2539588
 Ion Ratio Lower Upper
 43 100
 57 50.2 40.1 60.1





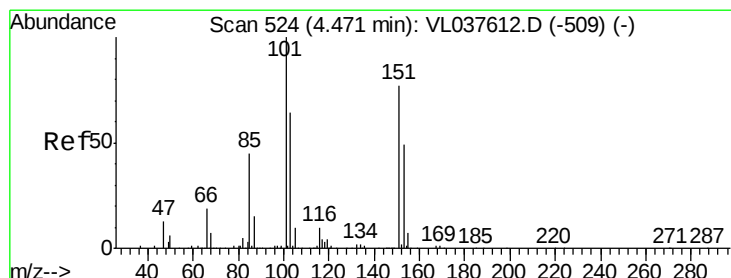
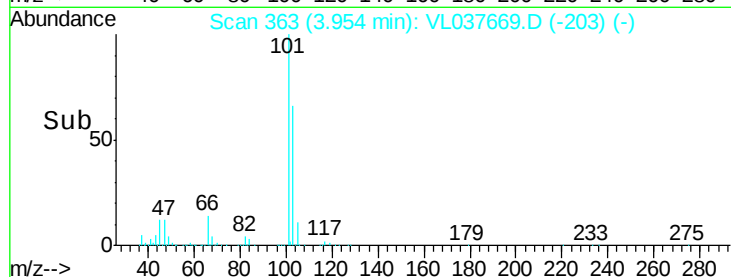
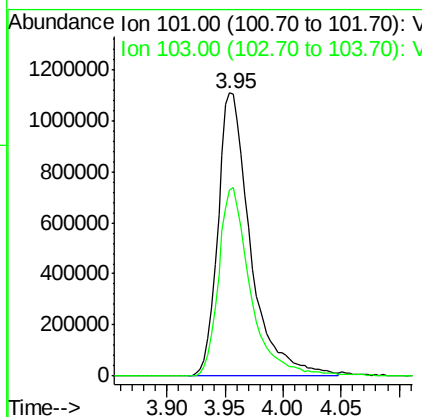
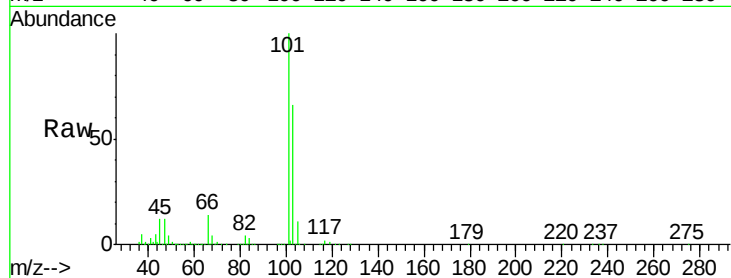
#11
 Trichlorofluoromethane
 Concen: 9.054 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion:101 Resp: 2160996
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.9 77.9

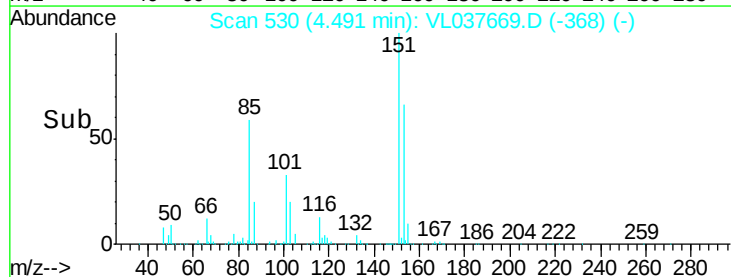
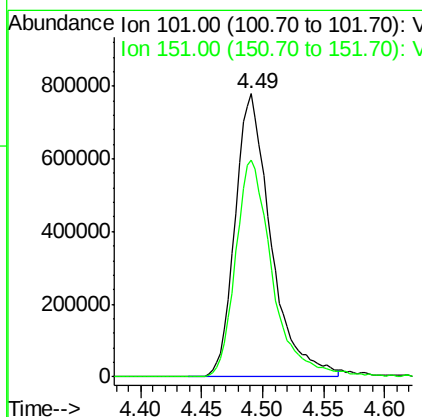
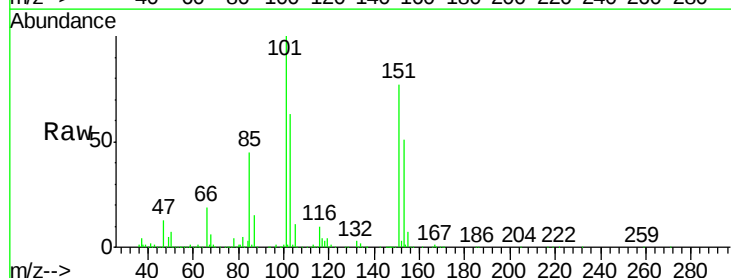
Manual Integrations
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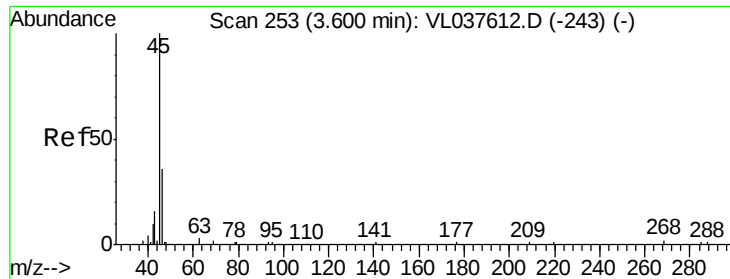
MMDadoda
 9/27/2021 10:56:31 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.023 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion:101 Resp: 1589479
 Ion Ratio Lower Upper
 101 100
 151 79.1 63.5 95.3





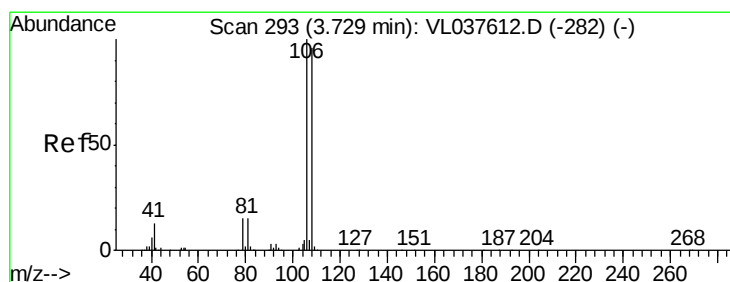
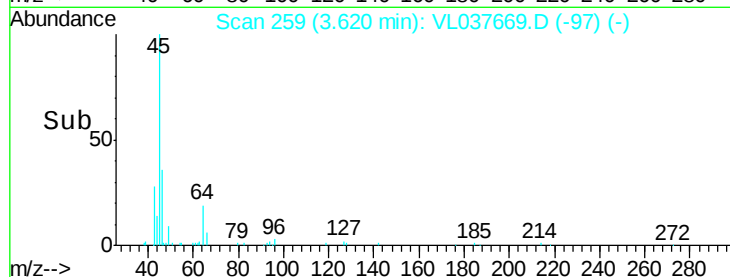
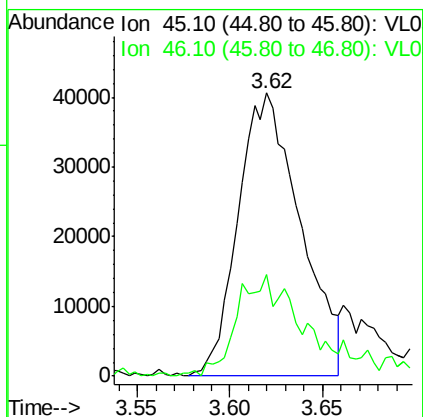
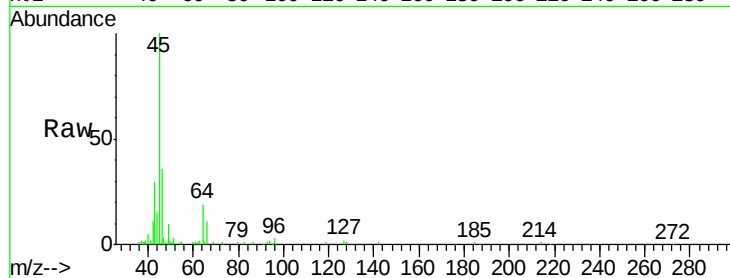
#13
Ethanol
Concen: 8.875 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 45 Resp: 94885
Ion Ratio Lower Upper
45 100
46 39.5 17.2 68.8

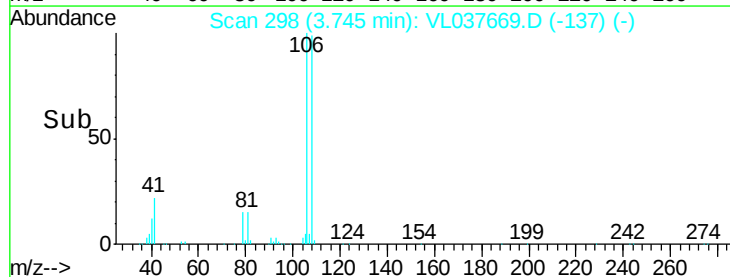
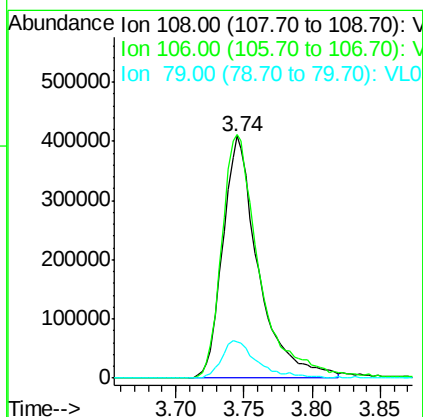
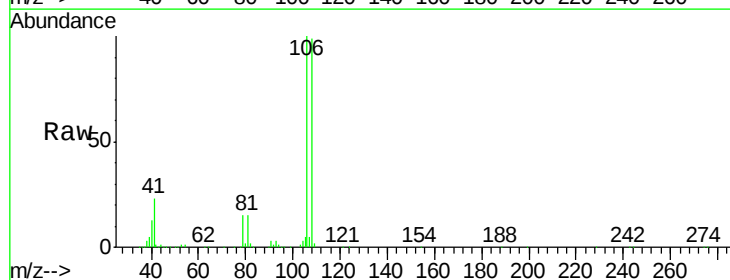
Manual Integrations
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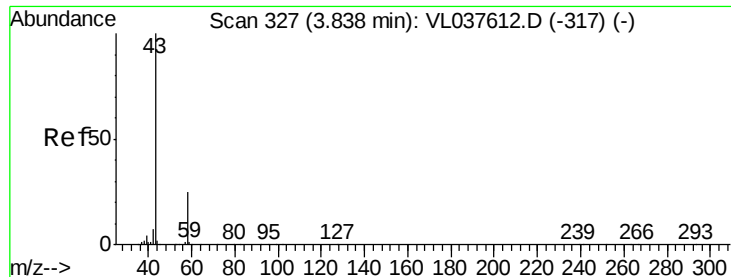
MMDadoda
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#14
Bromoethene
Concen: 9.193 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 108 Resp: 737164
Ion Ratio Lower Upper
108 100
106 108.0 88.2 132.4
79 16.3 12.8 19.2





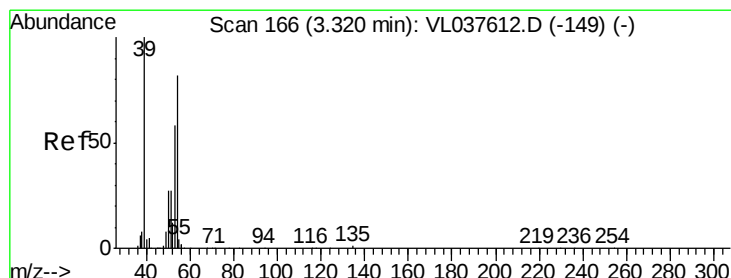
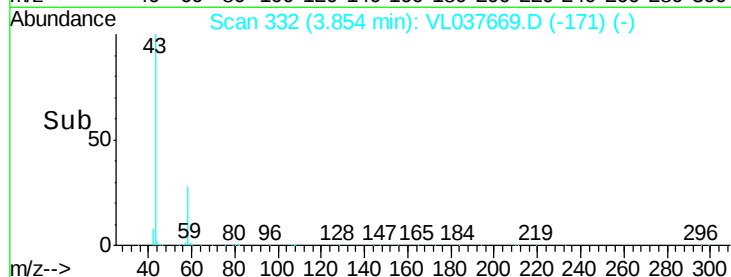
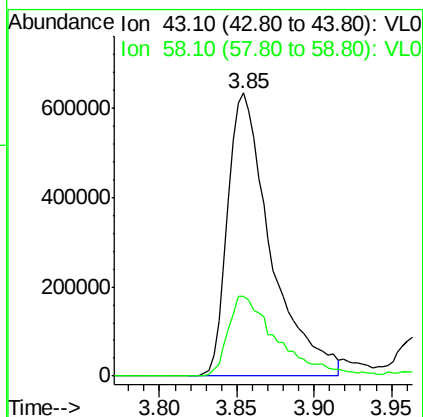
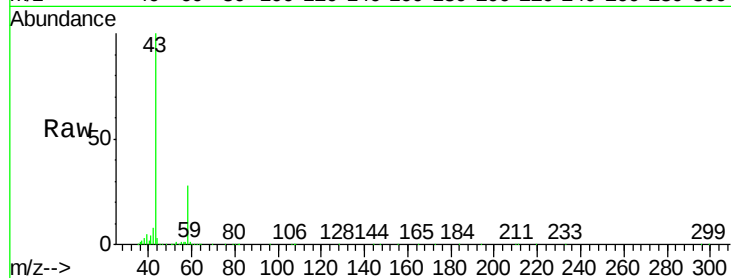
#15
Acetone
Concen: 7.179 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 43 Resp: 1225352
Ion Ratio Lower Upper
43 100
58 32.6 24.9 37.3

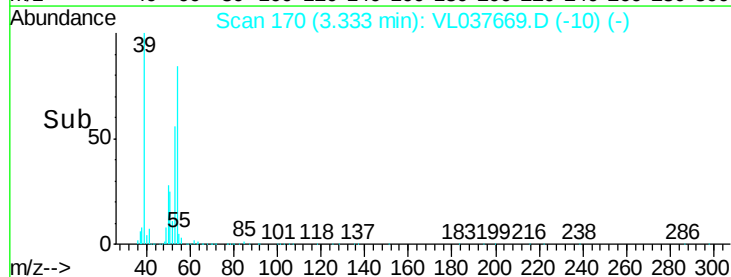
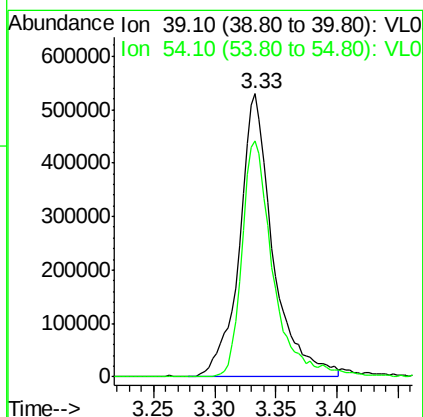
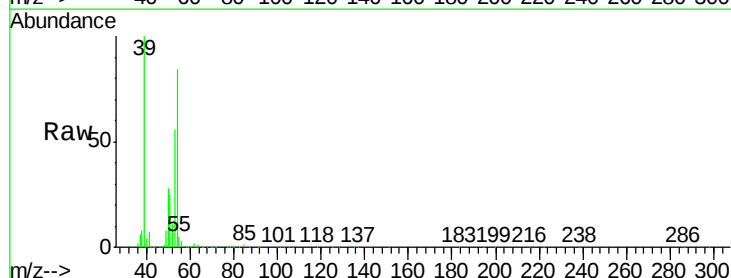
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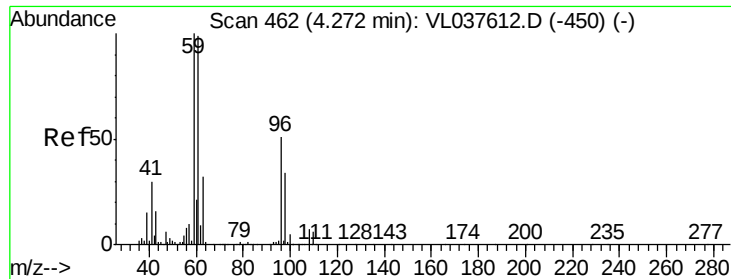
MMDadoda
9/27/2021 10:56:31 AM



#16
1,3-Butadiene
Concen: 9.391 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 39 Resp: 1001626
Ion Ratio Lower Upper
39 100
54 78.1 62.6 93.8





#17

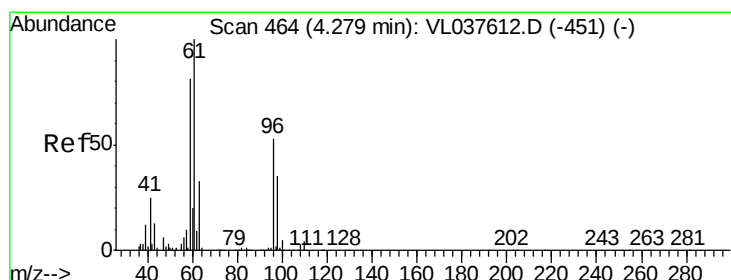
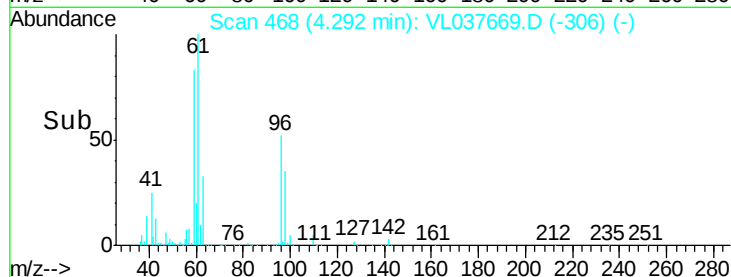
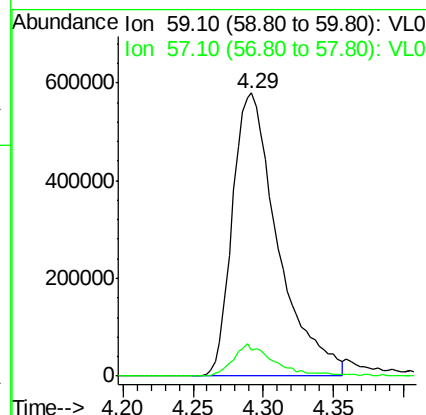
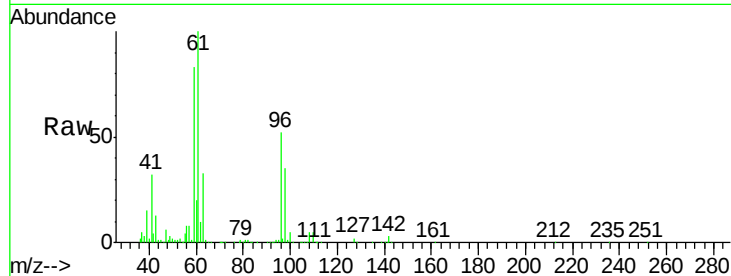
tert-Butyl alcohol
Concen: 9.038 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 59 Resp: 1308191
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

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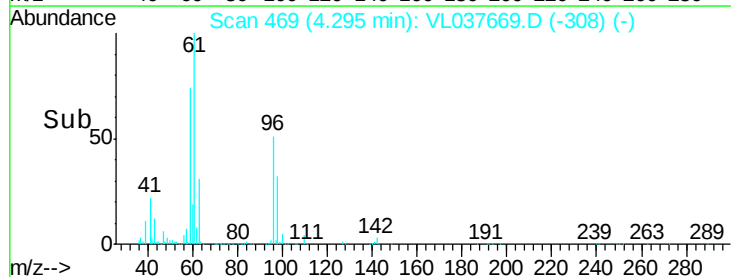
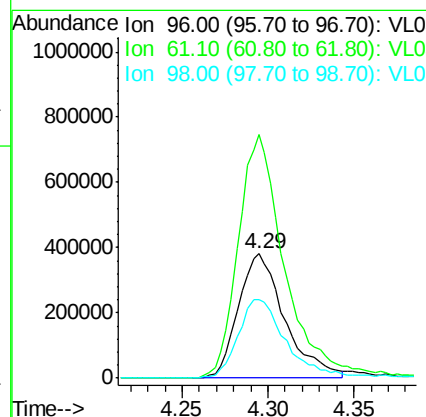
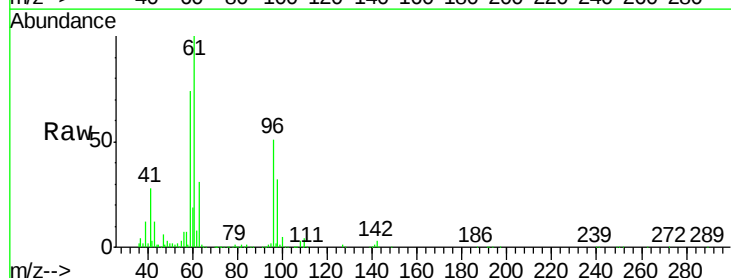
MMDadoda
9/27/2021 10:56:31 AM

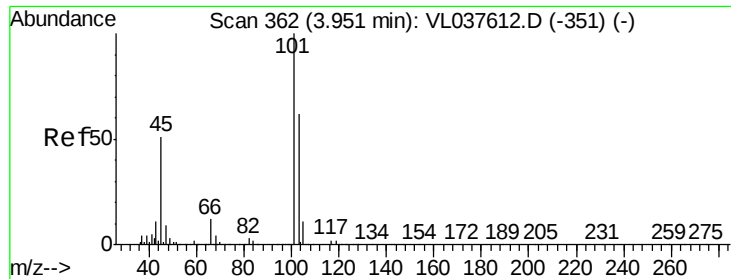


#18

1,1-Dichloroethene
Concen: 8.683 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 96 Resp: 712610
Ion Ratio Lower Upper
96 100
61 195.8 150.4 225.6
98 63.6 52.1 78.1





#19

Isopropyl Alcohol

Concen: 8.016 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 45 Resp: 744498

Ion Ratio Lower Upper

45 100

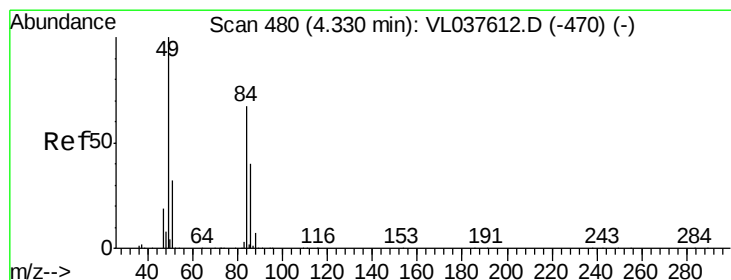
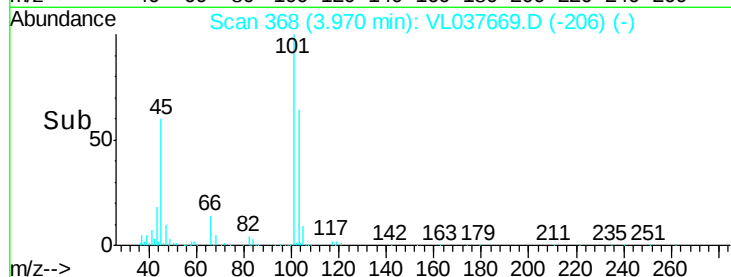
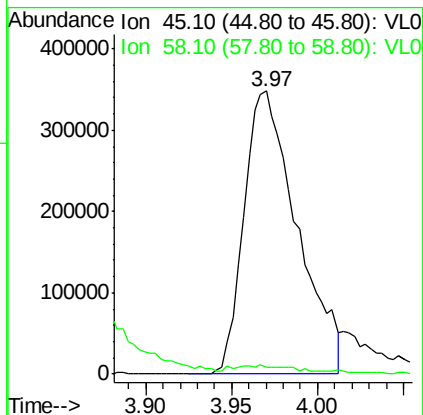
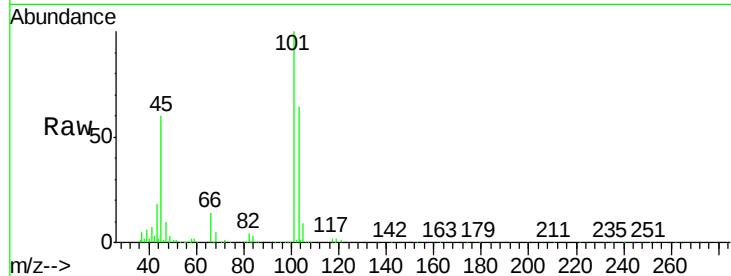
58 4.9 2.9 4.3#

Manual Integrations

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#20

Methylene Chloride

Concen: 7.385 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Tgt Ion: 84 Resp: 601784

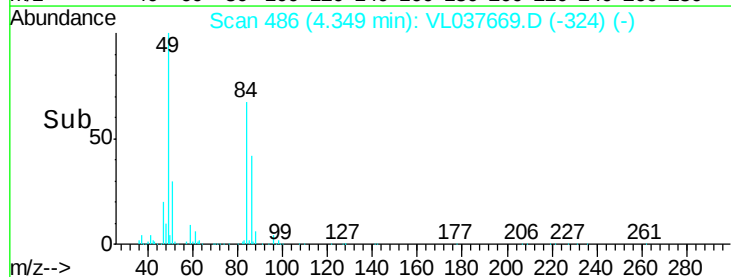
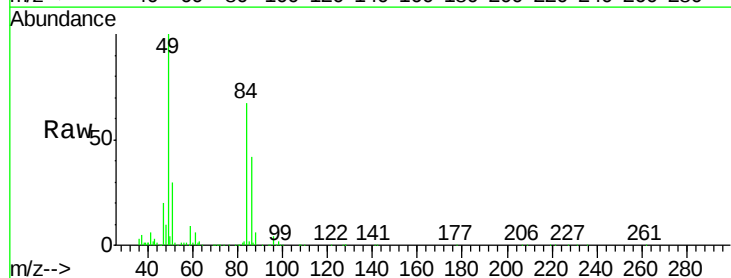
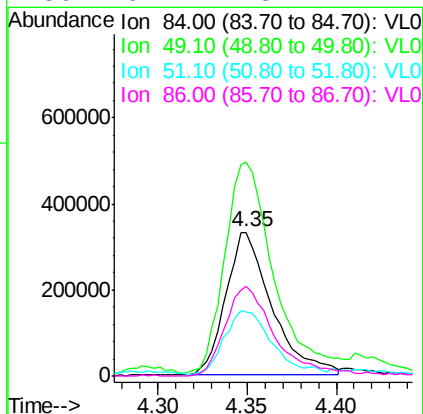
Ion Ratio Lower Upper

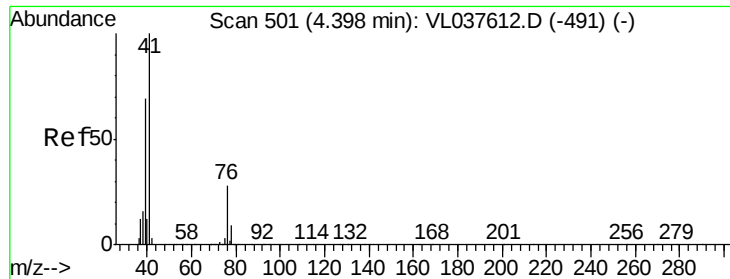
84 100

49 146.3 120.0 180.0

51 43.1 38.0 57.0

86 62.7 48.2 72.2





#21

Allyl Chloride

Concen: 9.355 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 41 Resp: 1192909

Ion Ratio Lower Upper

41 100

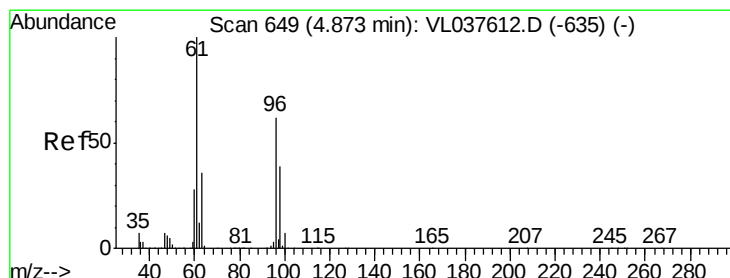
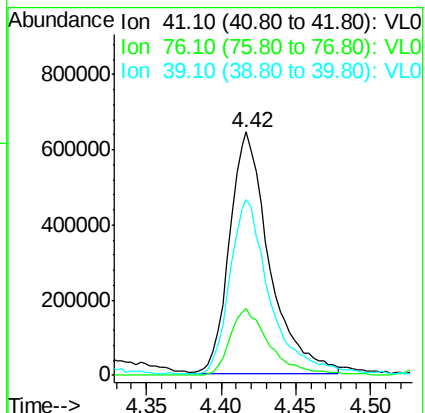
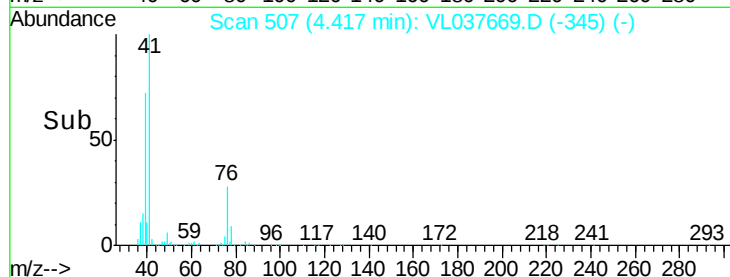
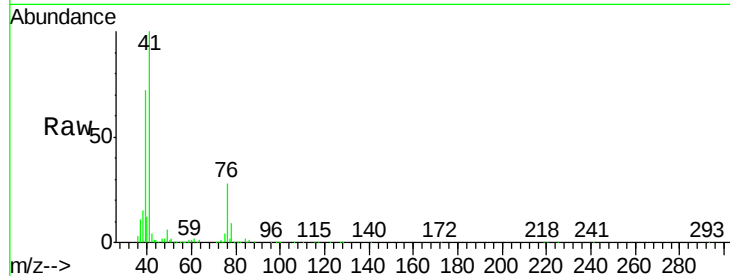
76 28.0 23.1 34.7

39 72.6 61.0 91.6

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#22

trans-1,2-Dichloroethene

Concen: 8.771 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

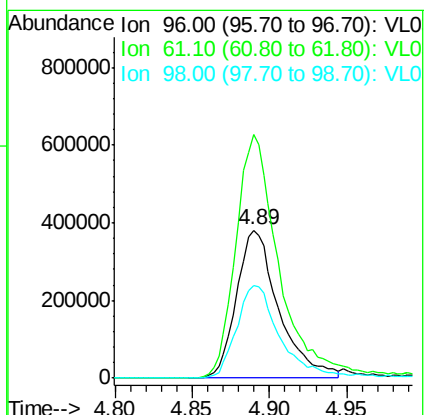
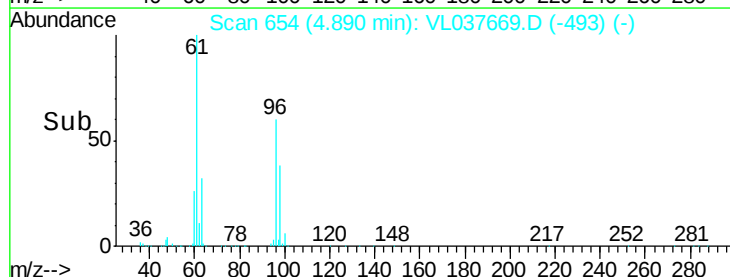
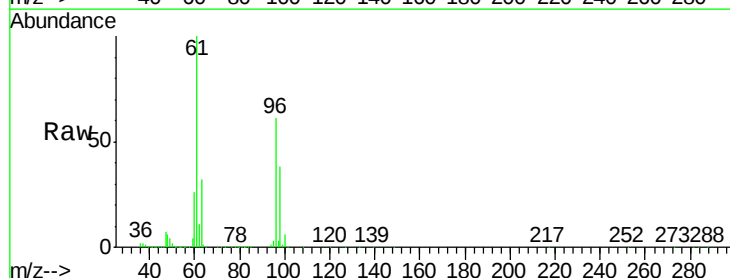
Tgt Ion: 96 Resp: 724214

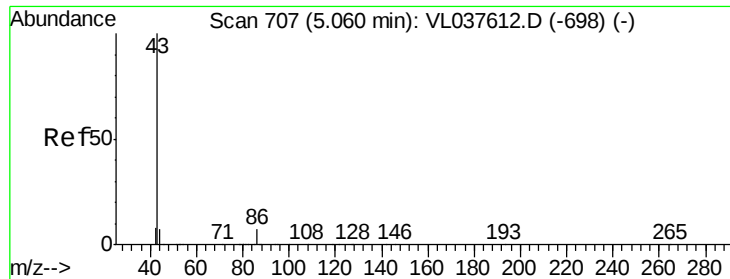
Ion Ratio Lower Upper

96 100

61 164.9 129.2 193.8

98 62.9 50.4 75.6





#23

Vinyl Acetate

Concen: 10.268 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 43 Resp: 2425180

Ion Ratio Lower Upper

43 100

86 7.2 5.0 7.6

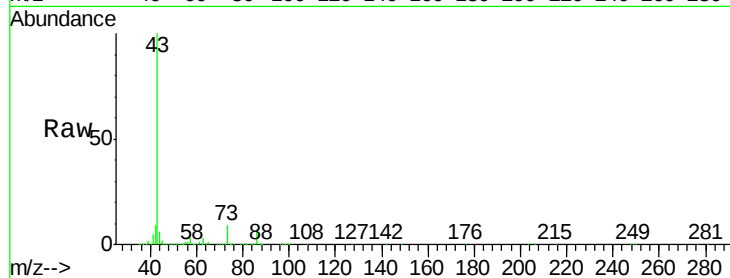
42 9.1 7.5 11.3

44 5.6 4.7 7.1

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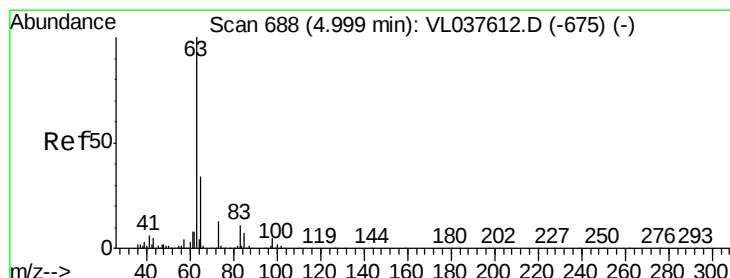
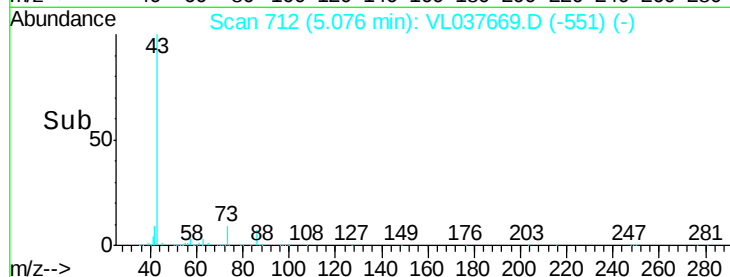
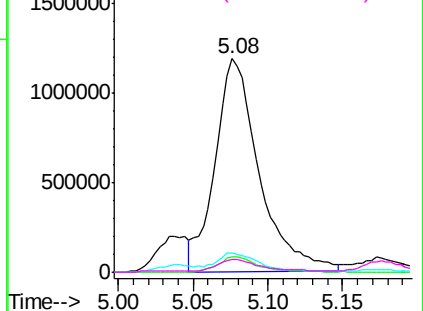


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.118 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

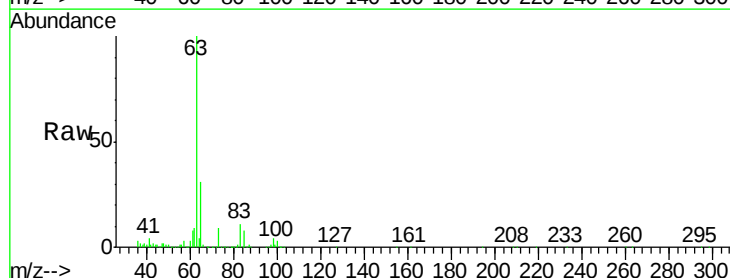
Tgt Ion: 63 Resp: 1542783

Ion Ratio Lower Upper

63 100

98 3.9 2.4 7.2

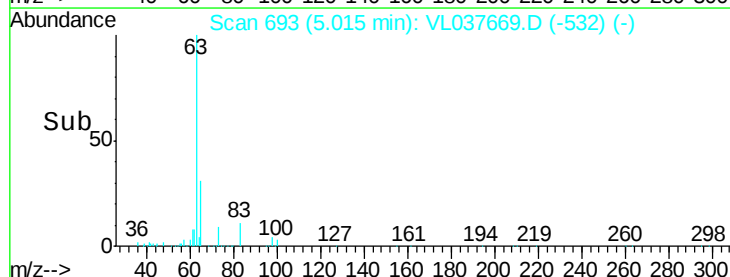
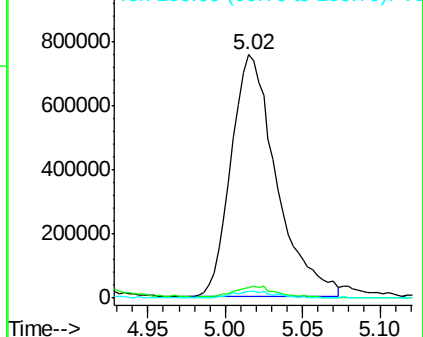
100 2.8 1.1 3.5

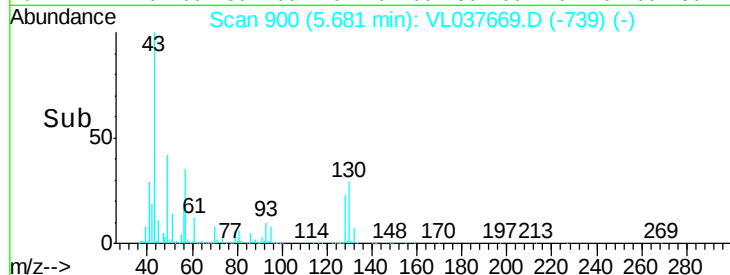
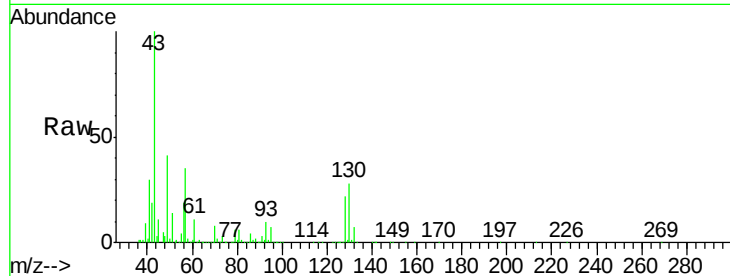
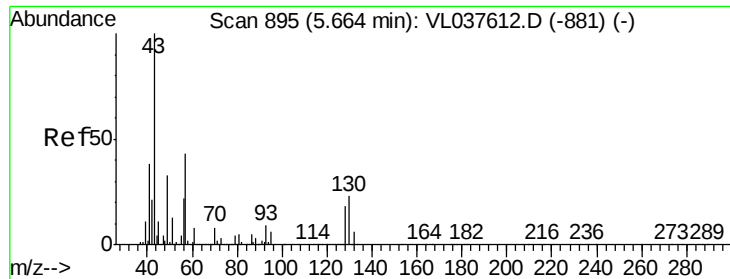


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.263 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.3	7.5	11.3
70	7.3	5.6	8.4

Instrument :

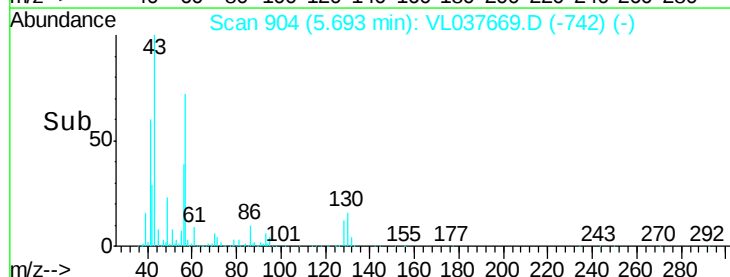
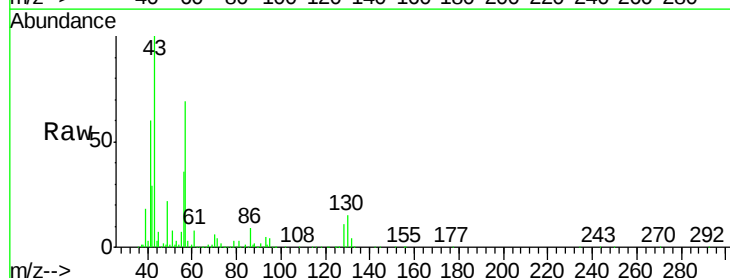
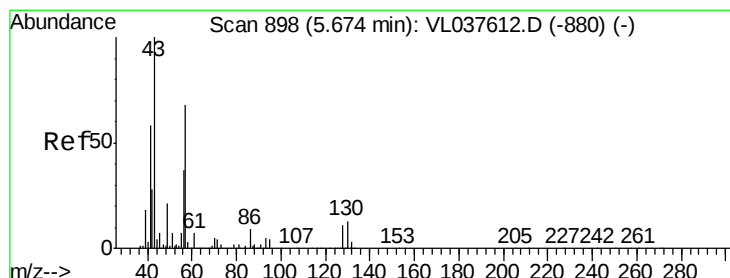
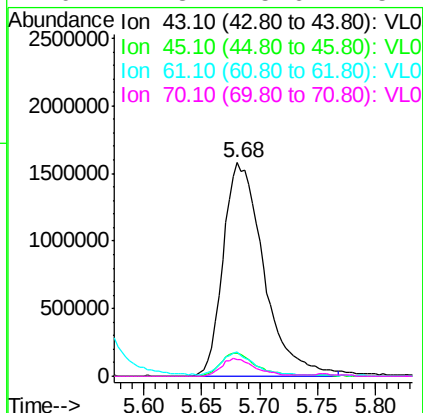
MSVOA_L

ClientSampleId :

VL0923ABS01

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#26

Hexane

Concen: 9.285 ppbv

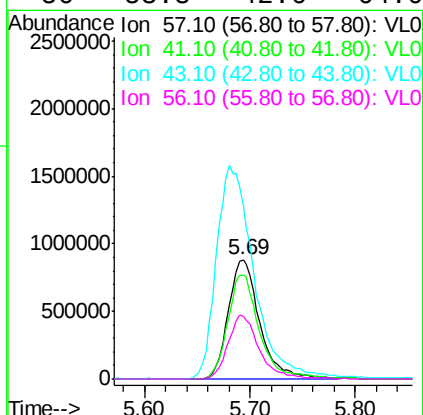
RT: 5.69 min Scan# 904

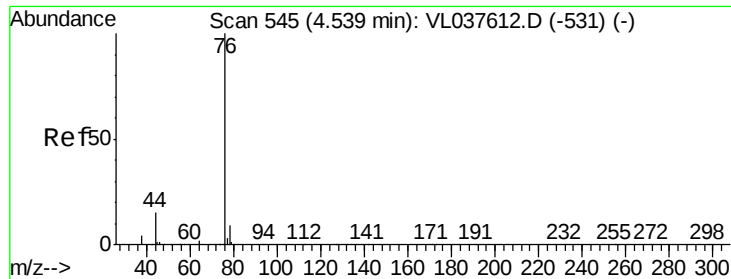
Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.0	70.9	106.3
43	214.0	170.4	255.6
56	53.8	42.6	64.0





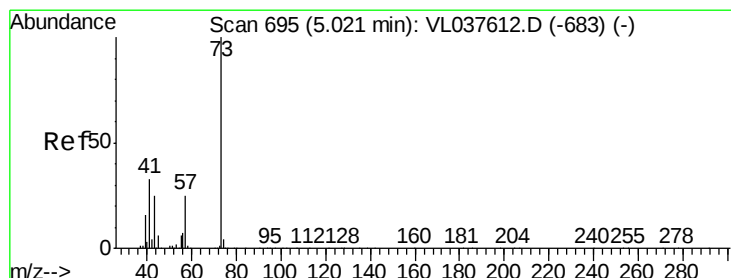
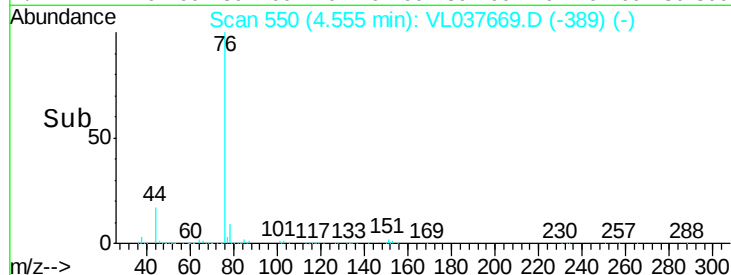
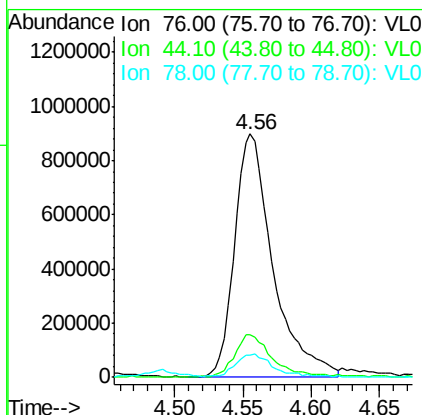
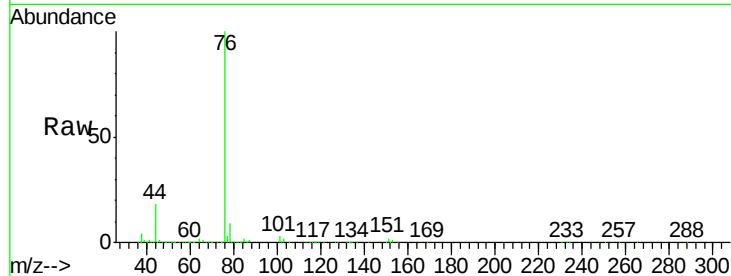
#27
Carbon Disulfide
Concen: 9.765 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
76	100		
44	17.3	14.2	21.2
78	10.0	7.4	11.0

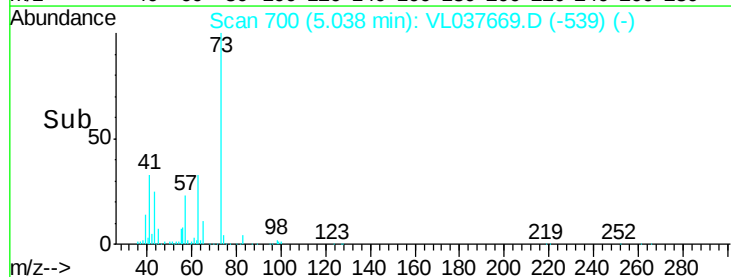
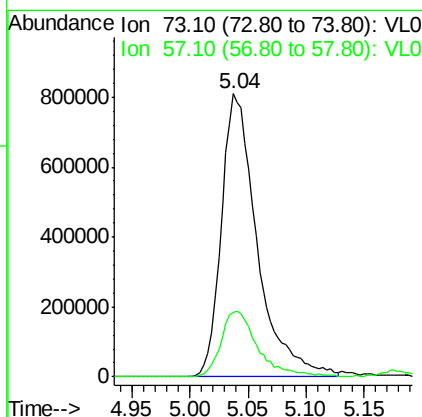
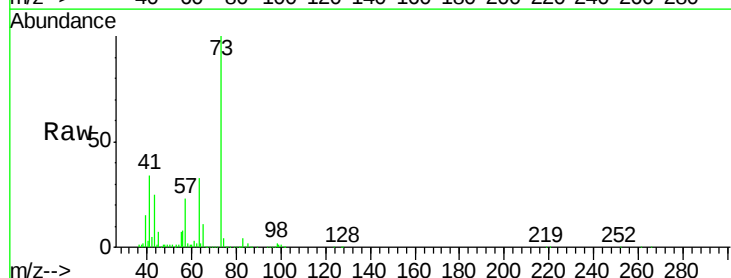
Manual Integrations
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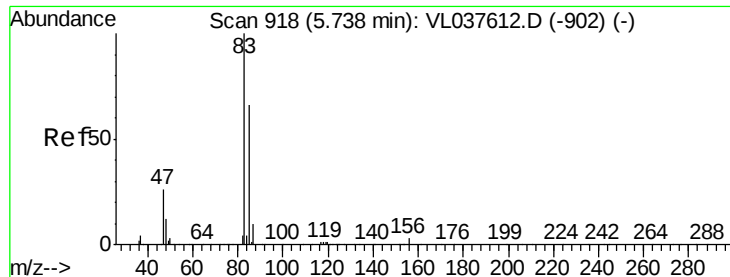
MMDadoda
9/27/2021 10:56:31 AM



#28
Methyl tert-Butyl Ether
Concen: 10.071 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.0	20.1	30.1





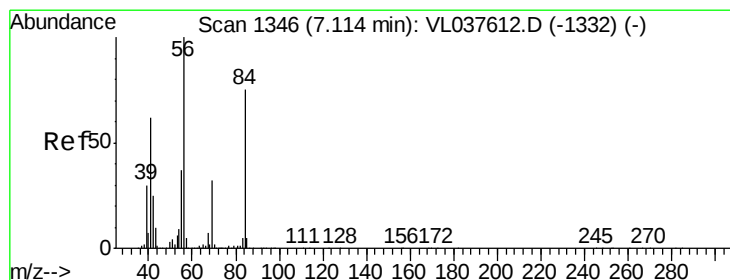
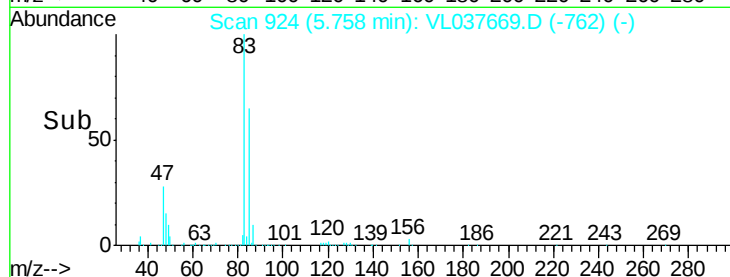
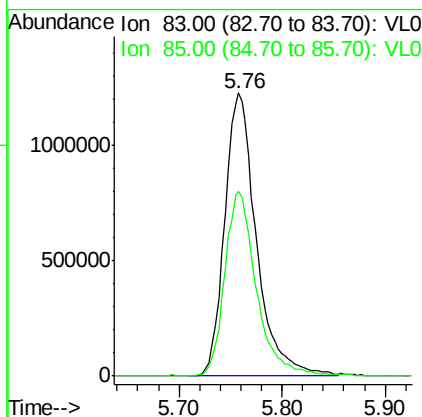
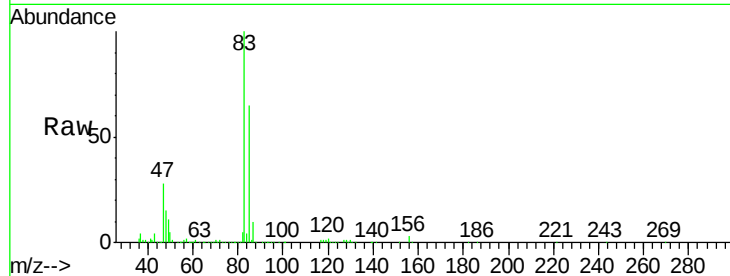
#29
Chloroform
Concen: 9.189 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 83 Resp: 2634890
Ion Ratio Lower Upper
83 100
85 65.3 52.6 79.0

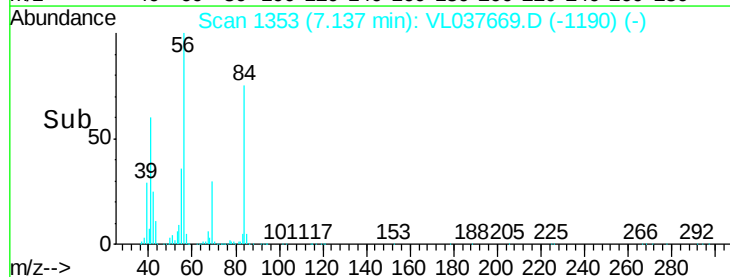
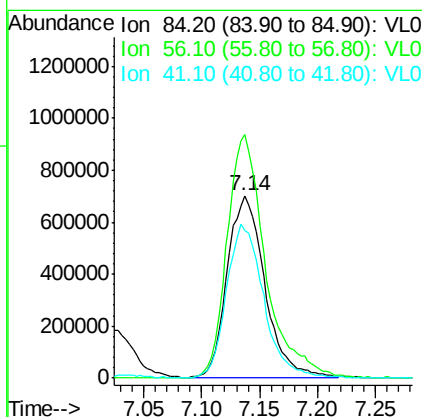
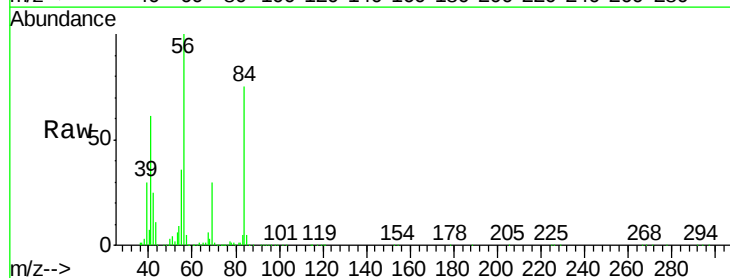
Manual Integrations
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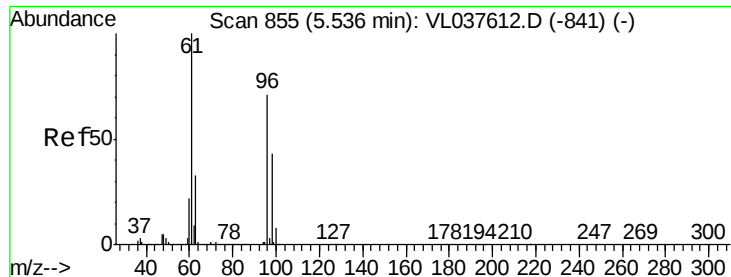
MMDadoda
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#30
Cyclohexane
Concen: 9.344 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 84 Resp: 1569392
Ion Ratio Lower Upper
84 100
56 138.2 113.6 170.4
41 84.1 67.9 101.9





#31

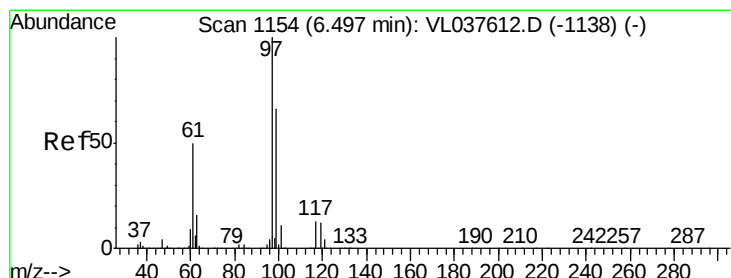
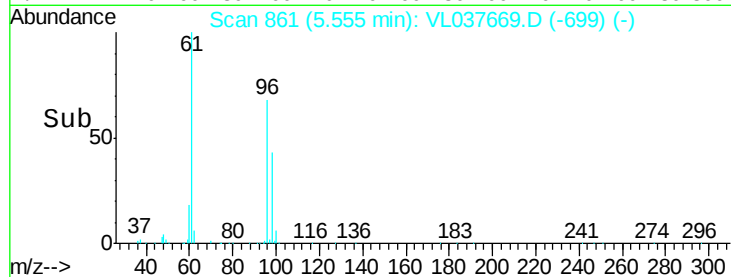
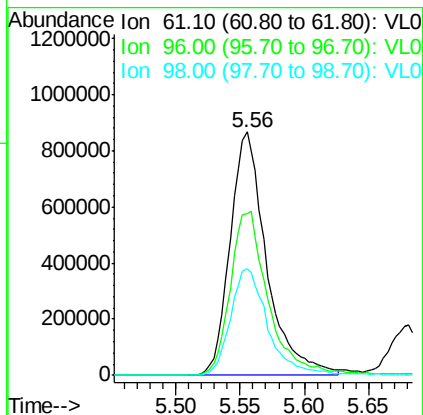
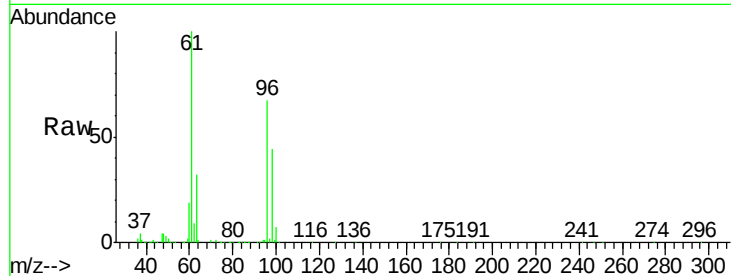
cis-1,2-Dichloroethene
 Concen: 9.534 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	66.6	56.7	85.1
98	44.1	34.6	52.0

Manual Integrations
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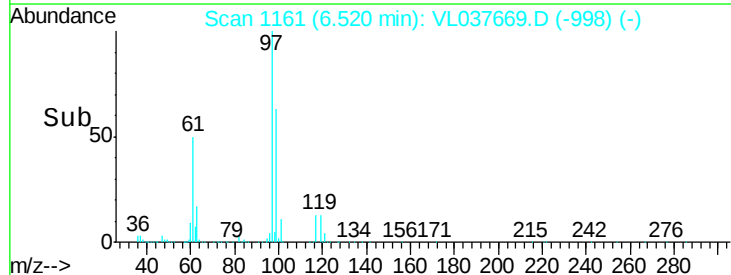
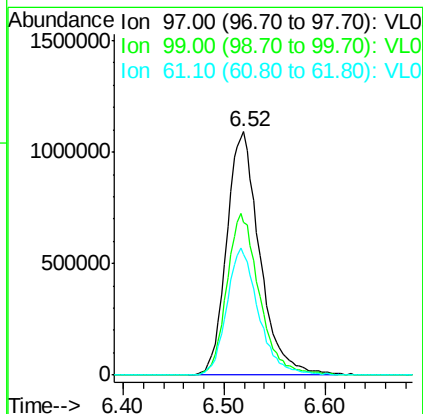
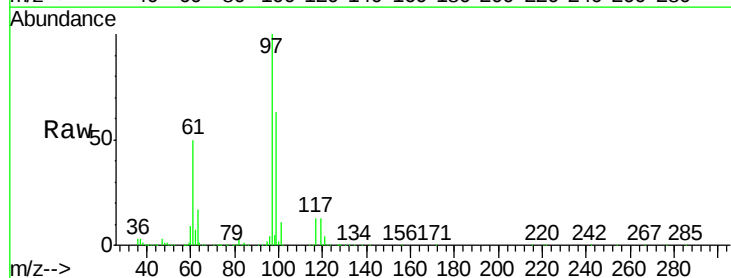
MMDadoda
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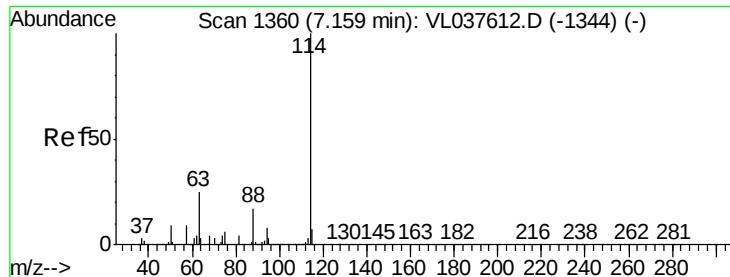


#32

1,1,1-Trichloroethane
 Concen: 9.318 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.3	78.5
61	50.5	39.5	59.3





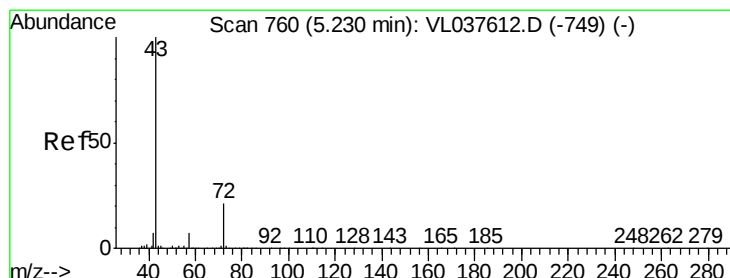
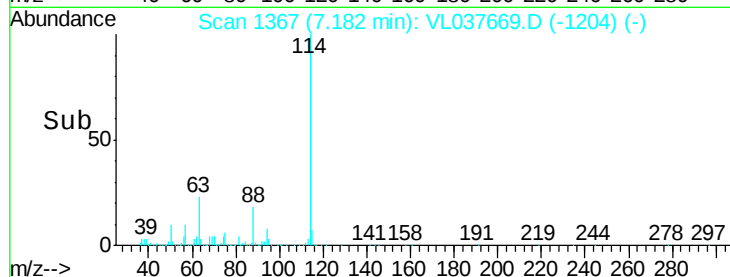
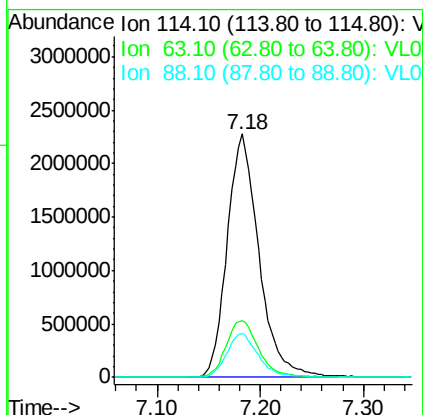
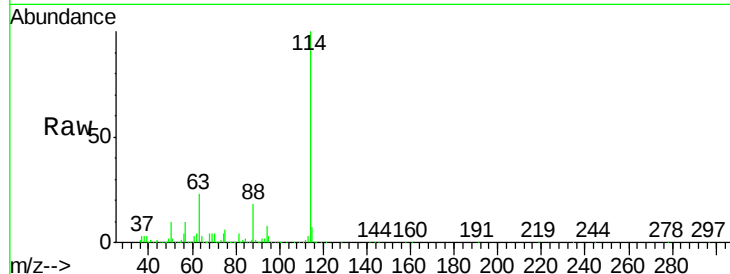
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	18.0	14.2	21.4

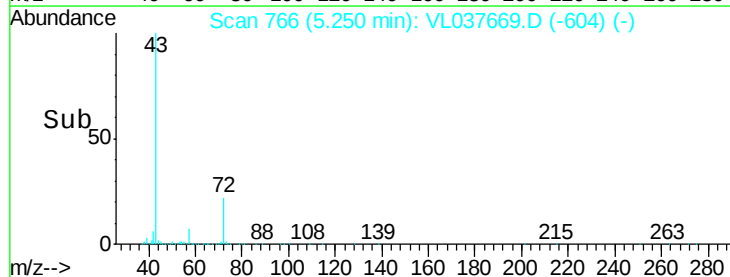
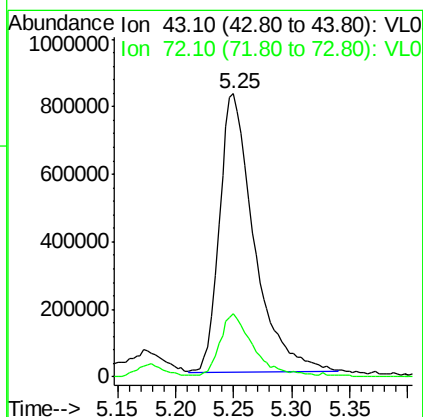
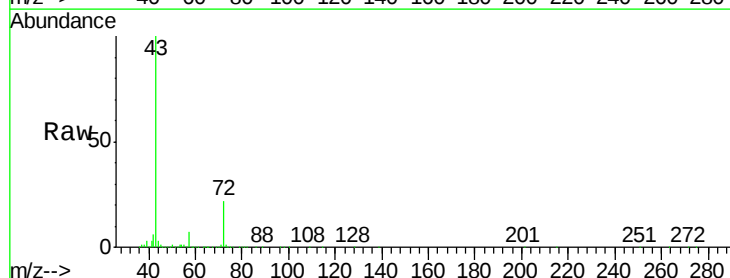
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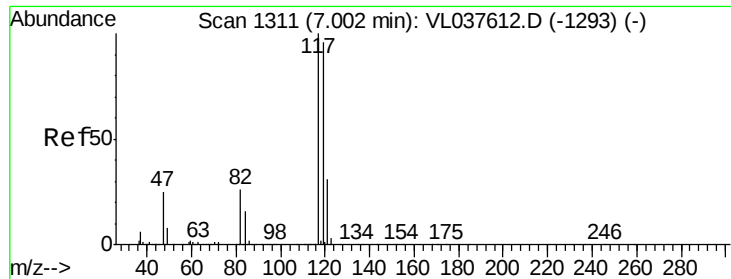
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#34
 2-Butanone
 Concen: 8.713 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.4	27.6





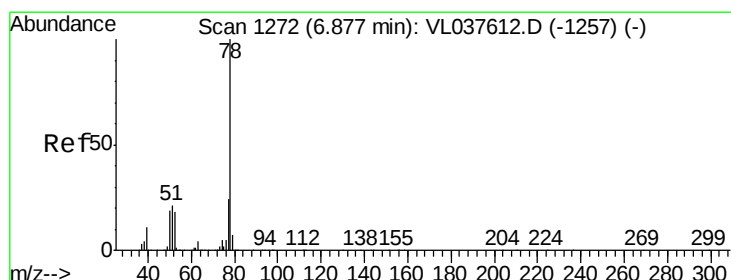
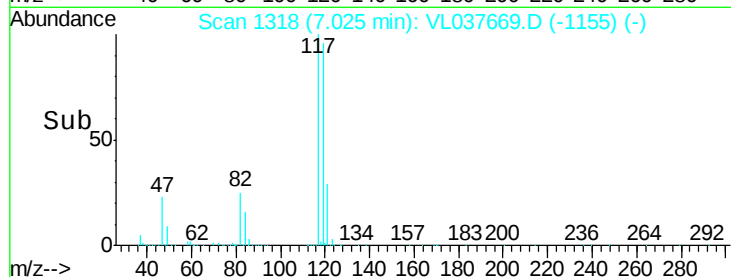
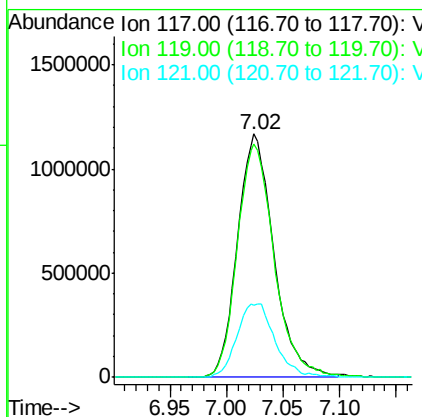
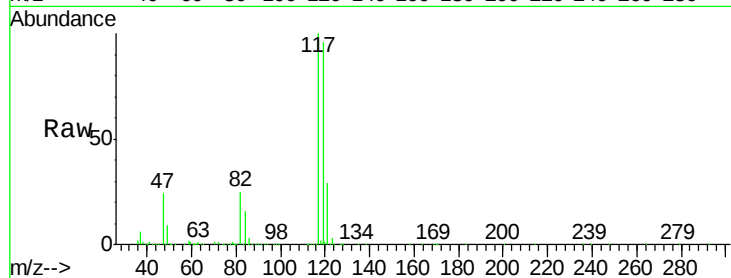
#35
Carbon Tetrachloride
Concen: 9.458 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 117 Resp: 2614168
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.6
121 29.4 24.5 36.7

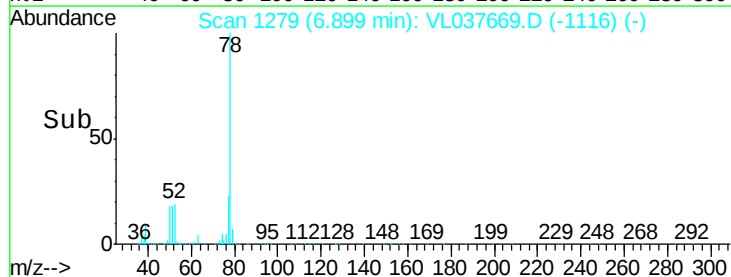
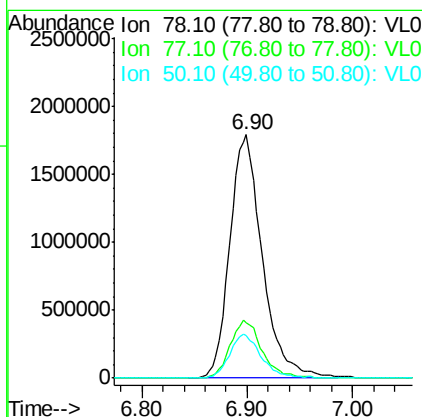
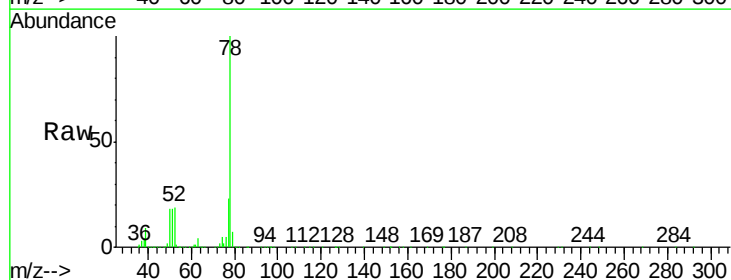
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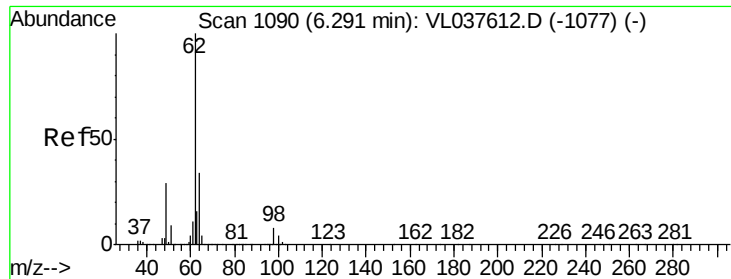
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#36
Benzene
Concen: 9.381 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 78 Resp: 3822196
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4
50 17.6 14.8 22.2





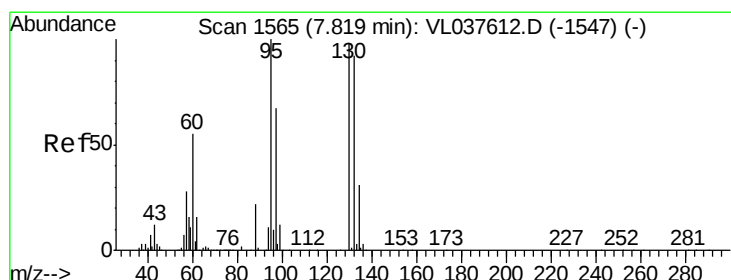
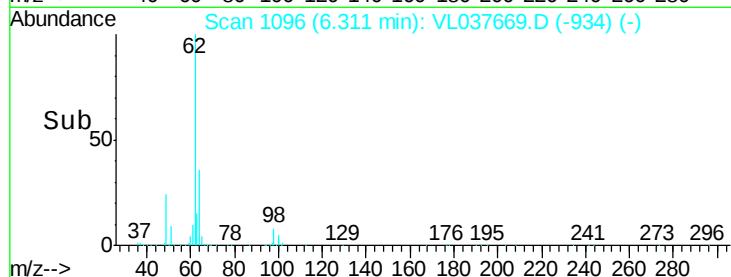
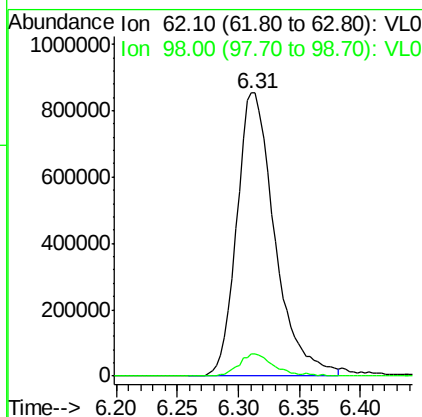
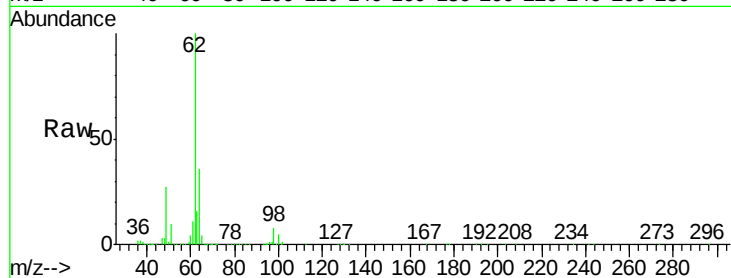
#37
 1,2-Dichloroethane
 Concen: 9.192 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 62 Resp: 1841893
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.1 9.1

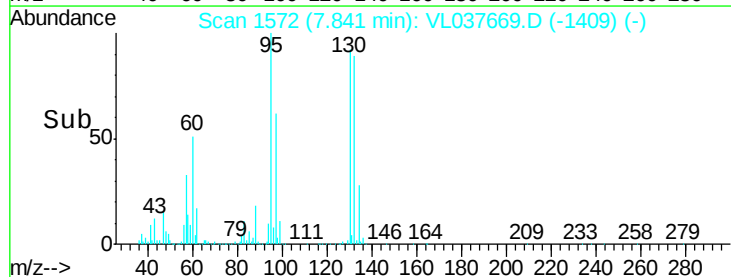
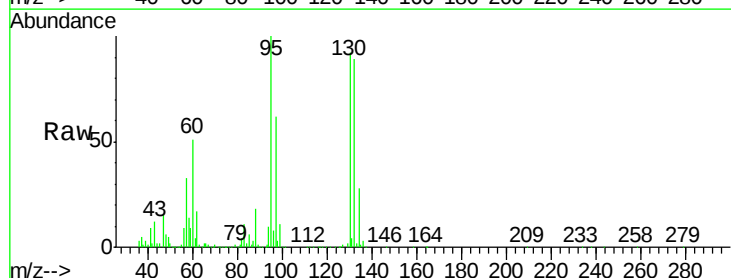
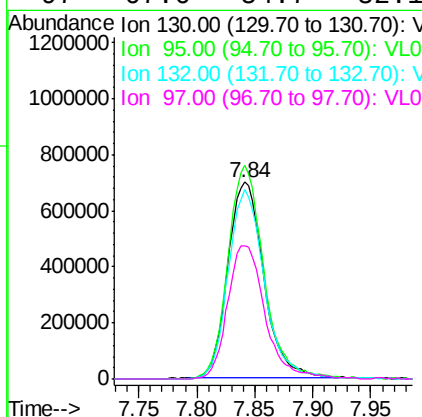
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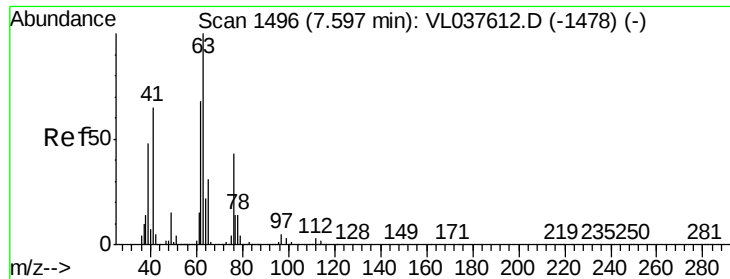
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#38
 Trichloroethene
 Concen: 8.896 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion: 130 Resp: 1514187
 Ion Ratio Lower Upper
 130 100
 95 109.0 81.8 122.6
 132 96.5 75.3 112.9
 97 67.6 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.266 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 63 Resp: 1446003

Ion Ratio Lower Upper

63 100

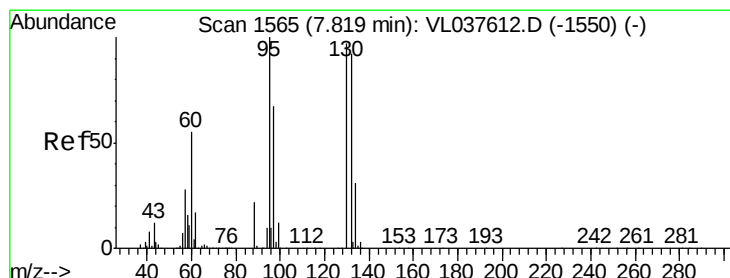
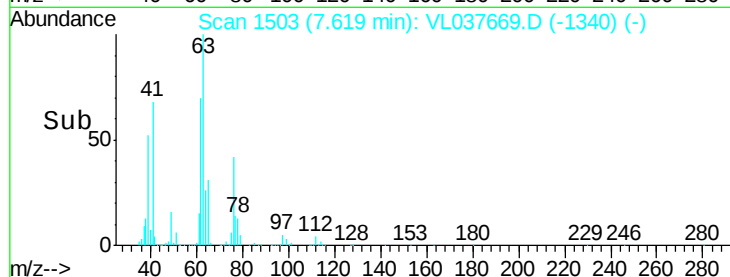
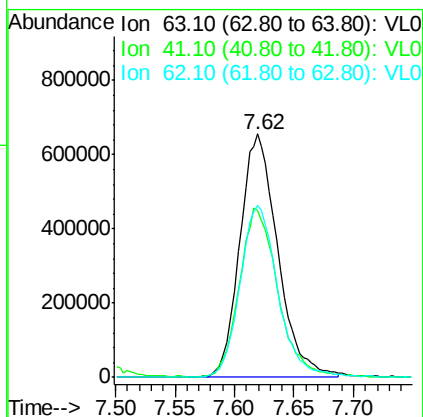
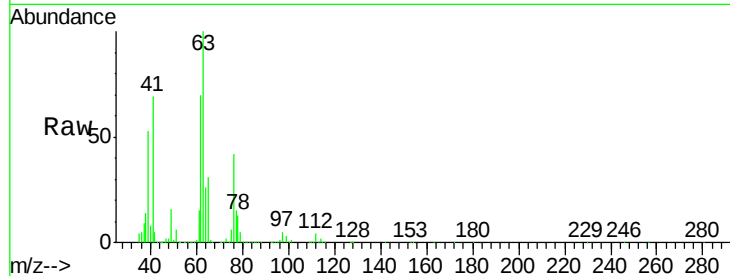
41 68.4 51.6 77.4

62 70.3 54.6 81.8

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#40

1,4-Dioxane

Concen: 8.741 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.03 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Tgt Ion: 88 Resp: 331804

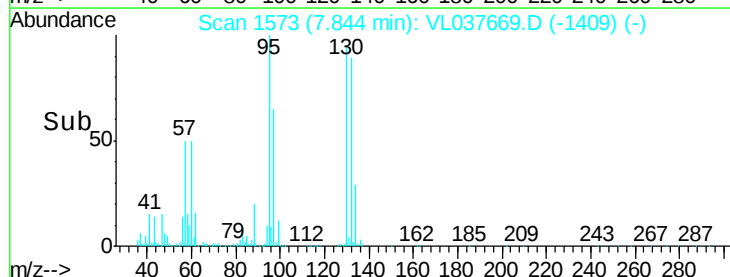
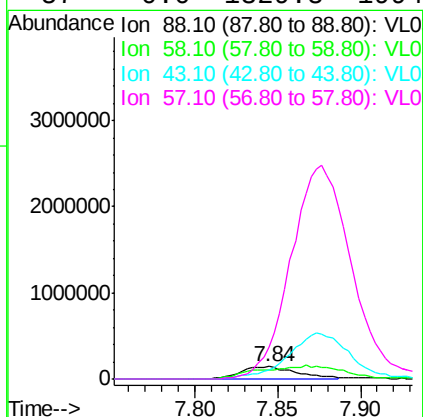
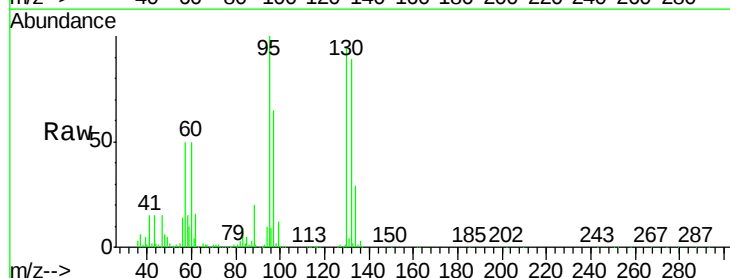
Ion Ratio Lower Upper

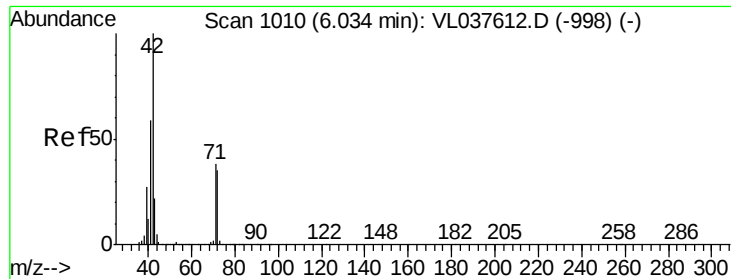
88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#





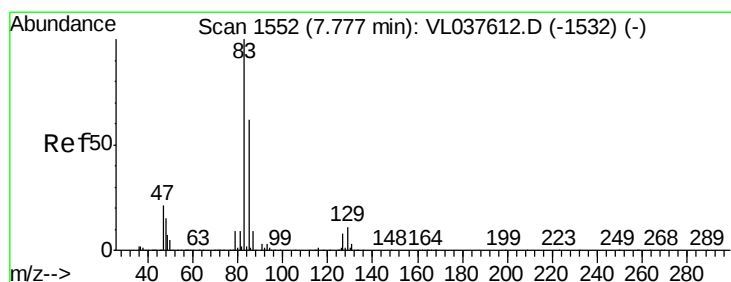
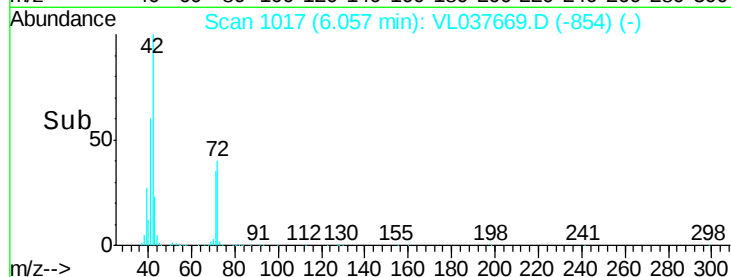
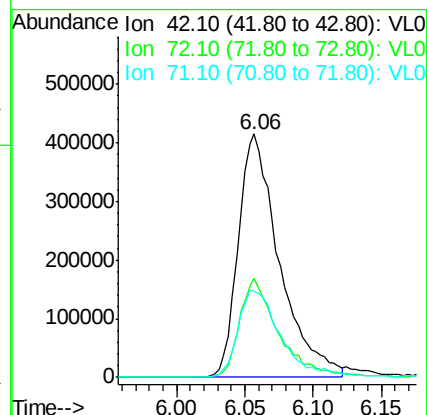
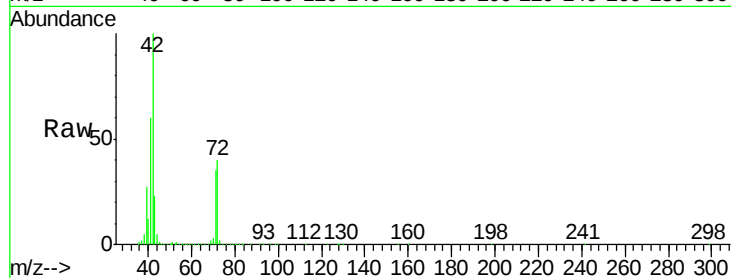
#41
Tetrahydrofuran
Concen: 9.307 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.2
71	37.7	30.6	46.0

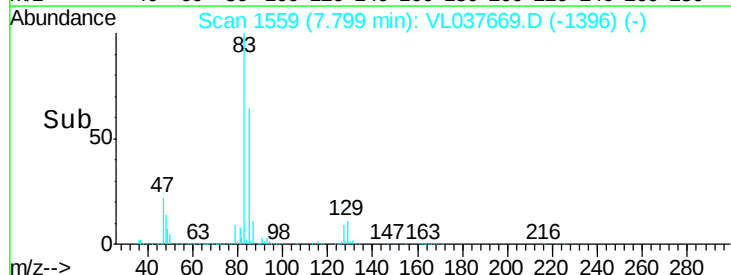
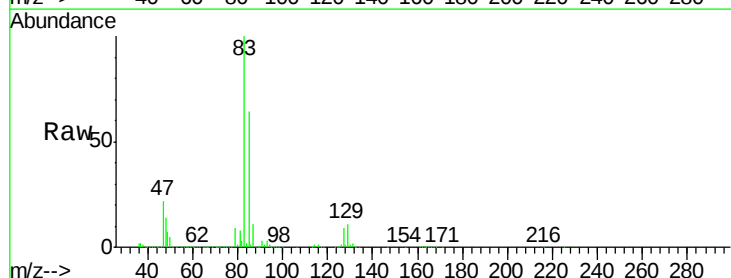
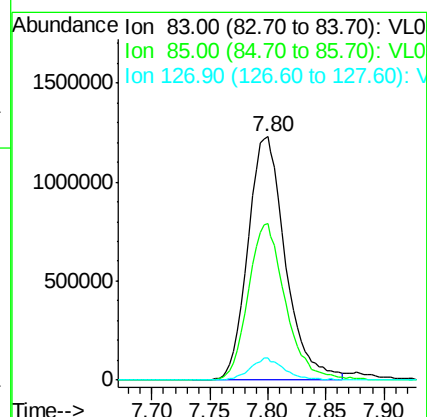
Manual Integrations
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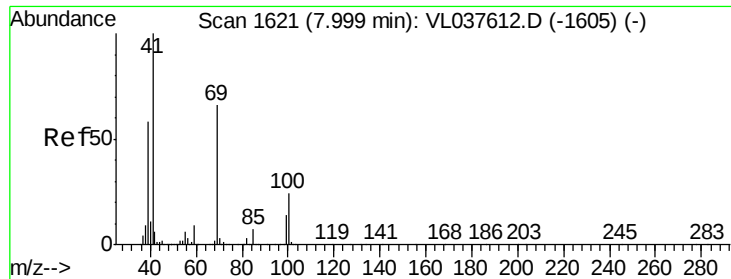
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#42
Bromodichloromethane
Concen: 9.635 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.8	74.6
127	8.9	6.4	9.6





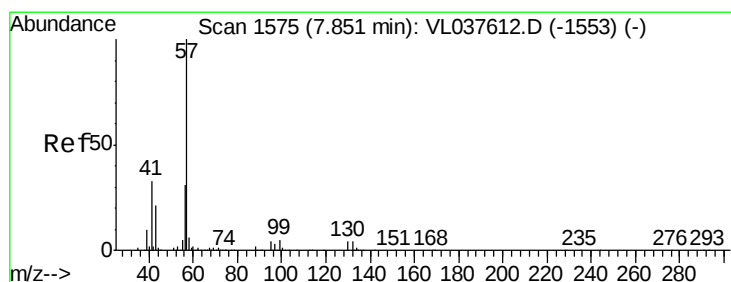
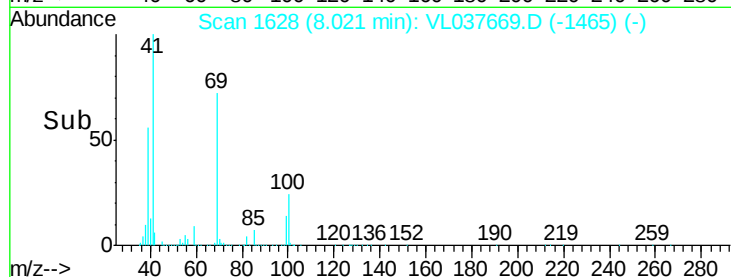
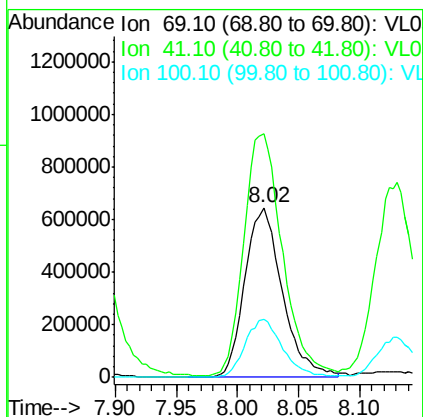
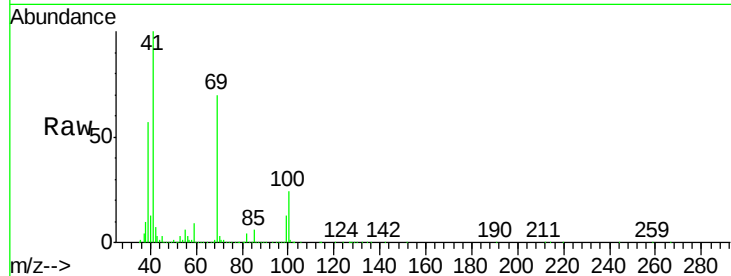
#43
Methyl Methacrylate
Concen: 10.092 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 69 Resp: 1367948
Ion Ratio Lower Upper
69 100
41 149.0 119.0 178.4
100 34.2 27.6 41.4

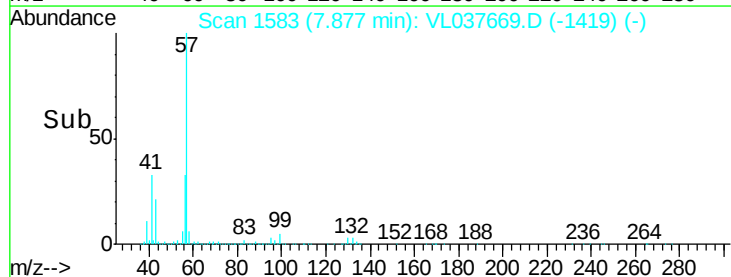
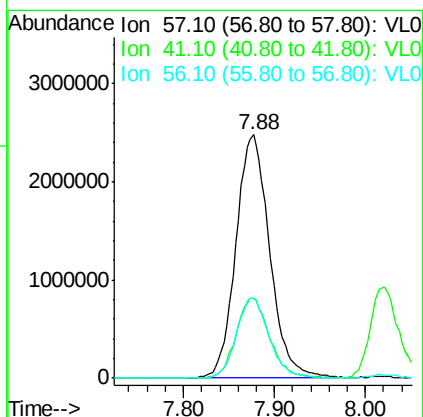
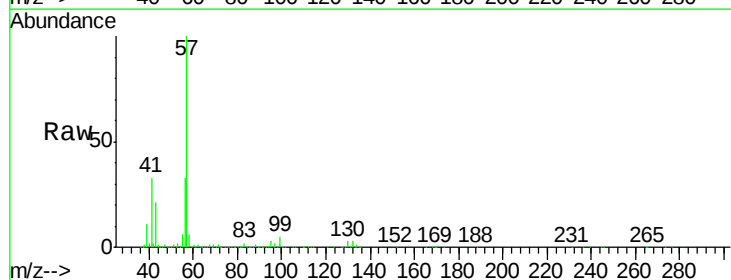
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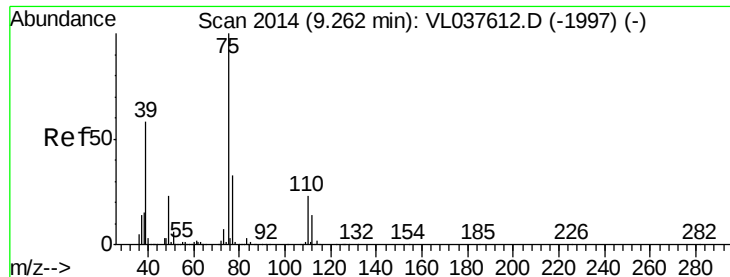
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#44
2,2,4-Trimethylpentane
Concen: 9.317 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.03 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 57 Resp: 6381697
Ion Ratio Lower Upper
57 100
41 32.7 26.1 39.1
56 32.0 25.7 38.5





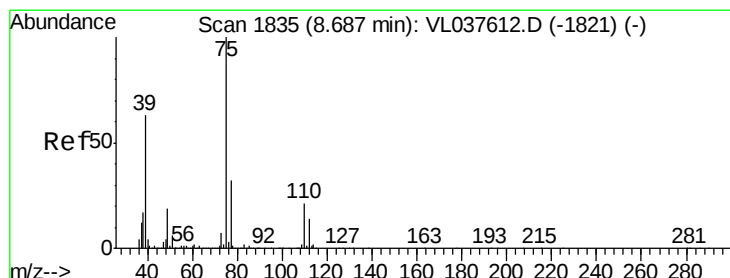
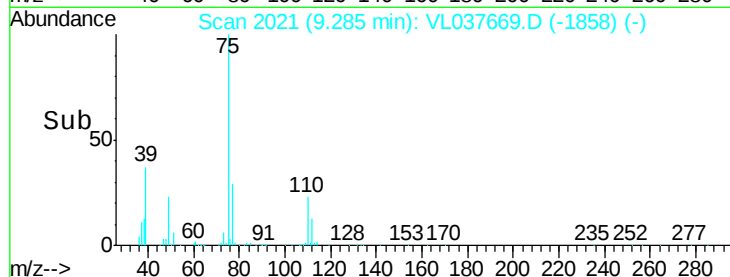
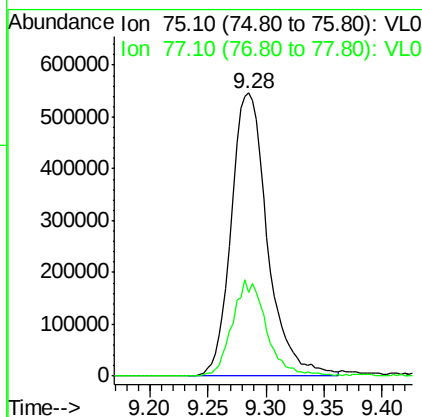
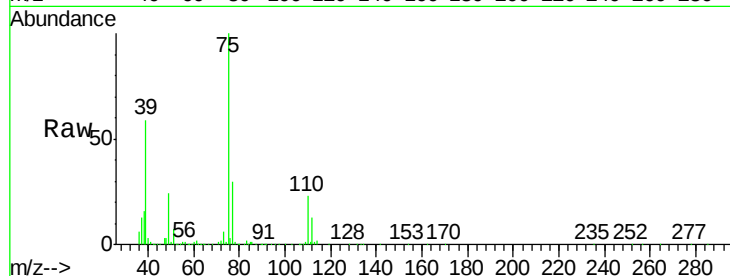
#45
 t-1,3-Dichloropropene
 Concen: 11.077 ppbv
 RT: 9.28 min Scan# 2021
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 75 Resp: 1179416
 Ion Ratio Lower Upper
 75 100
 77 29.6 26.3 39.5

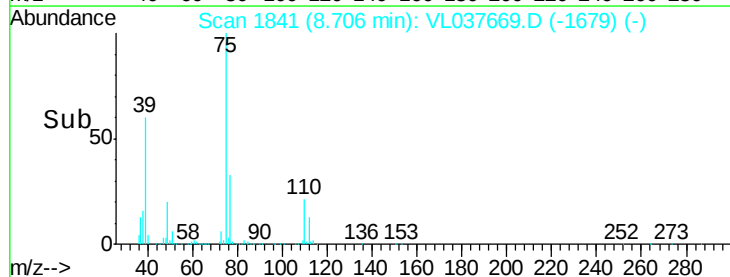
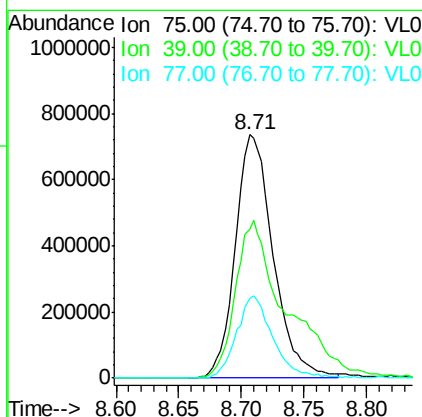
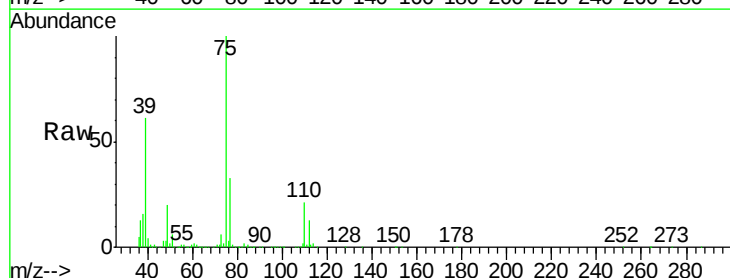
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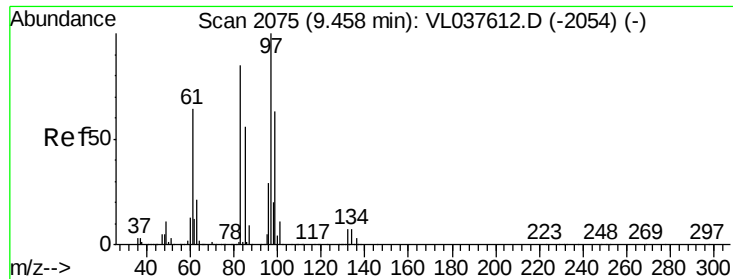
MMDadoda
 9/27/2021 10:56:31 AM



#46
 cis-1,3-Dichloropropene
 Concen: 10.731 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion: 75 Resp: 1543279
 Ion Ratio Lower Upper
 75 100
 39 60.8 50.2 75.4
 77 32.7 25.2 37.8





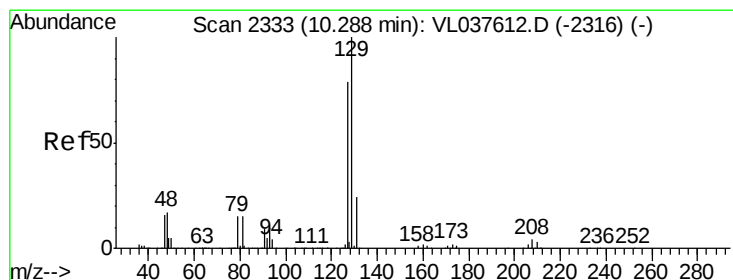
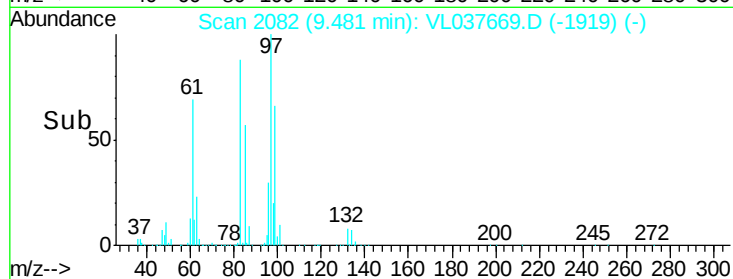
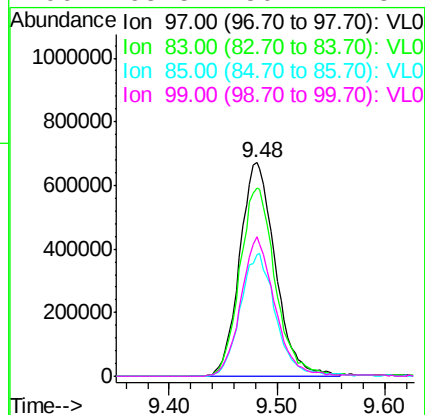
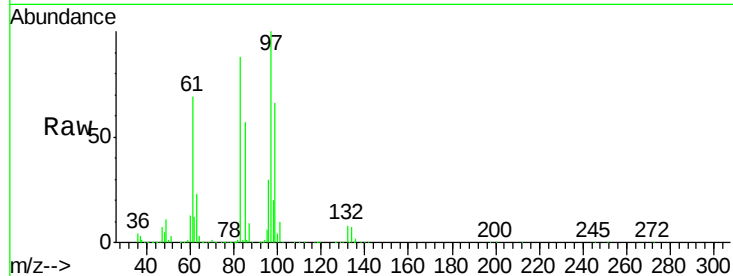
#47
 1,1,2-Trichloroethane
 Concen: 8.949 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 97 Resp: 1544882
 Ion Ratio Lower Upper
 97 100
 83 88.1 67.9 101.9
 85 56.9 44.8 67.2
 99 65.5 50.1 75.1

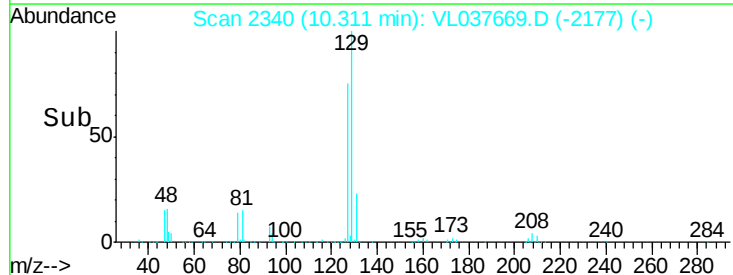
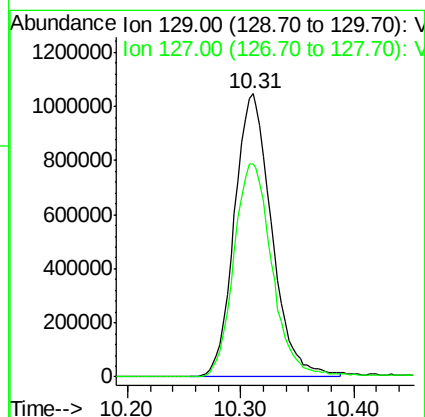
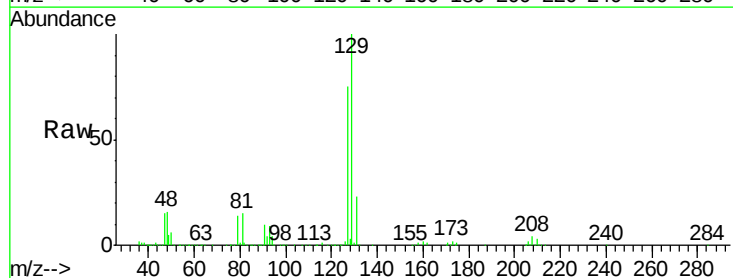
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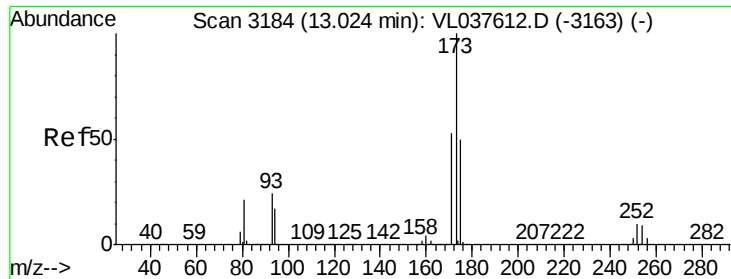
MMDadoda
 9/27/2021 10:56:31 AM



#48
 Dibromochloromethane
 Concen: 9.963 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion: 129 Resp: 2399295
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.3 117.8





#49

Bromoform

Concen: 9.568 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 173 Resp: 1844244

Ion Ratio Lower Upper

173 100

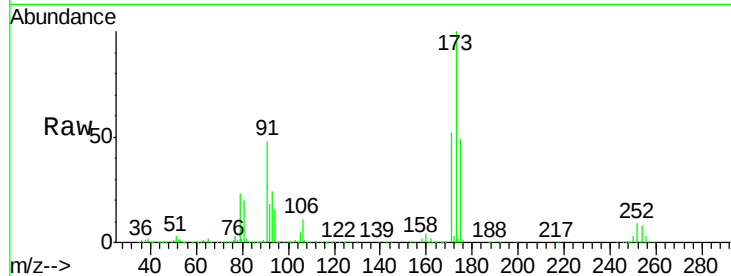
175 52.8 39.8 59.8

171 54.2 42.2 63.4

Manual Integrations
APPROVED

MMDadoda

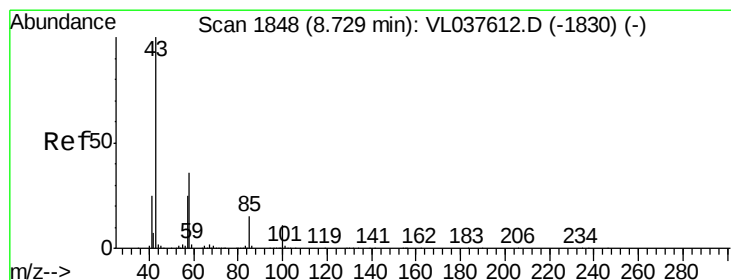
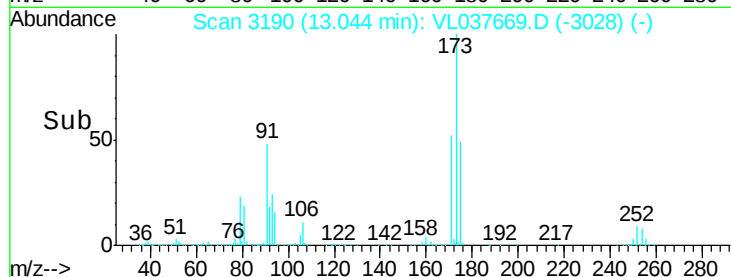
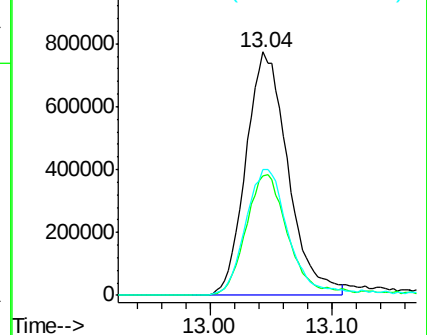
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.833 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.02 min

Lab File: VL037669.D

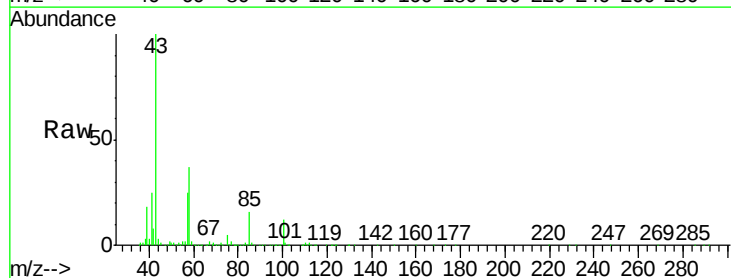
Acq: 23 Sep 2021 19:09

Tgt Ion: 43 Resp: 2478194

Ion Ratio Lower Upper

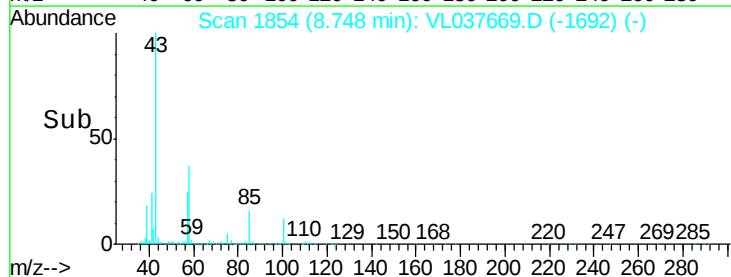
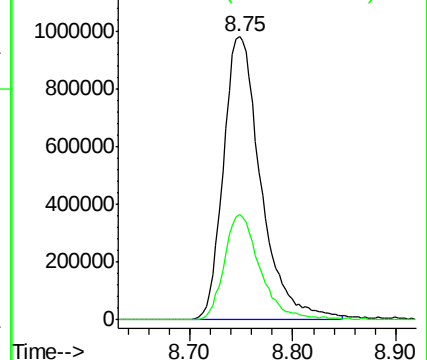
43 100

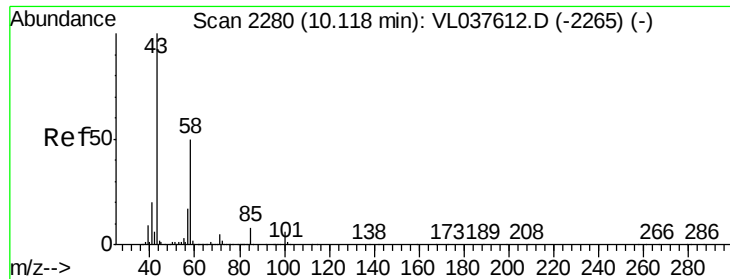
58 36.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





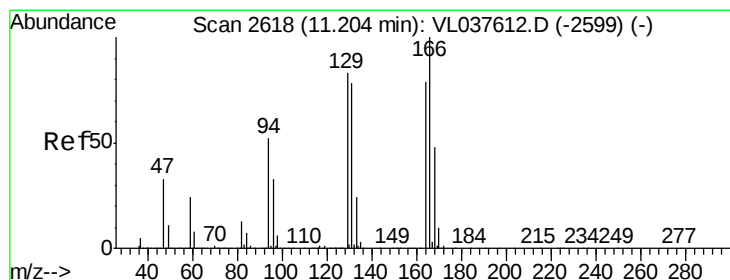
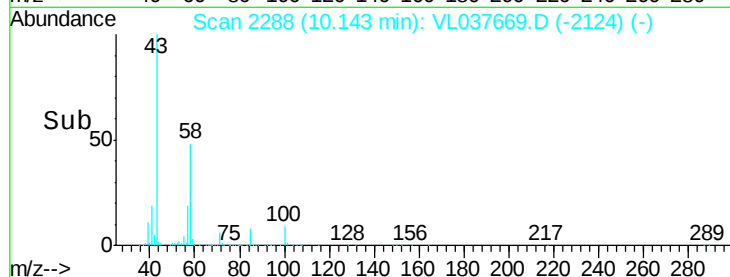
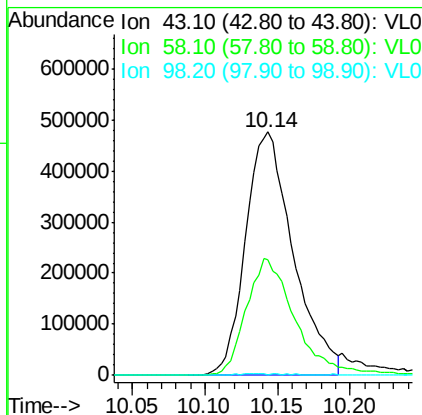
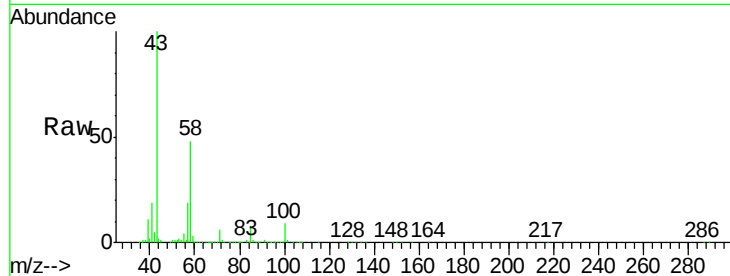
#51
2-Hexanone
Concen: 9.818 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.03 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 43 Resp: 1091777
Ion Ratio Lower Upper
43 100
58 49.9 39.3 58.9
98 0.8 0.4 0.6#

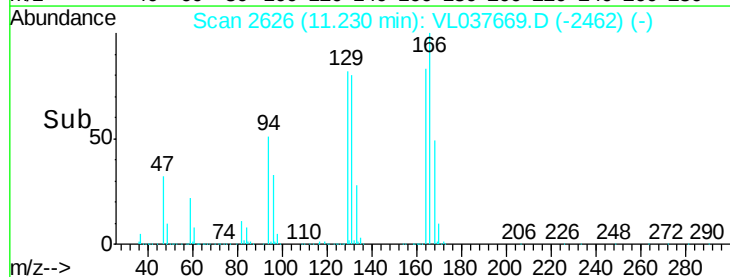
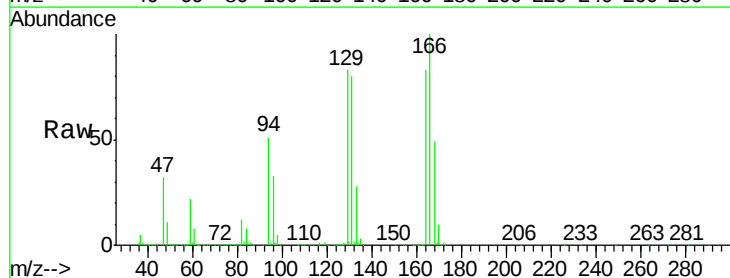
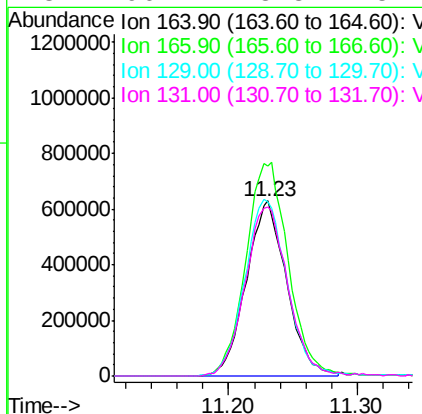
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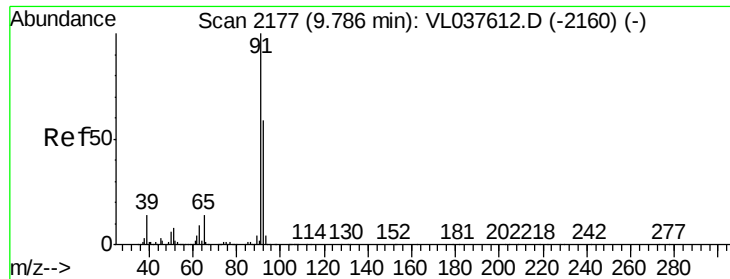
MMDadoda
9/27/2021 10:56:31 AM



#52
Tetrachloroethene
Concen: 8.739 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.03 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 164 Resp: 1367015
Ion Ratio Lower Upper
164 100
166 119.9 101.2 151.8
129 98.9 84.0 126.0
131 96.1 78.8 118.2





#53

Toluene

Concen: 9.672 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.03 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 91 Resp: 4380287

Ion Ratio Lower Upper

91 100

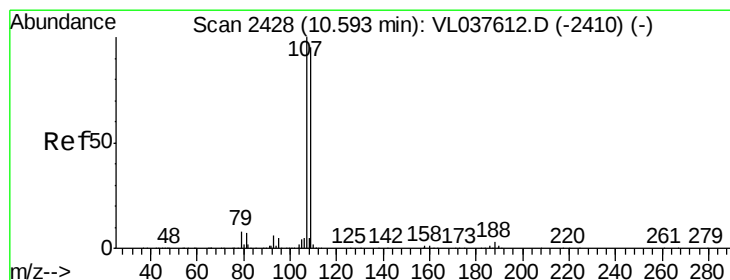
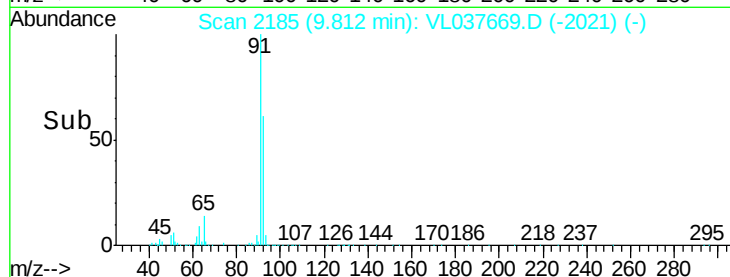
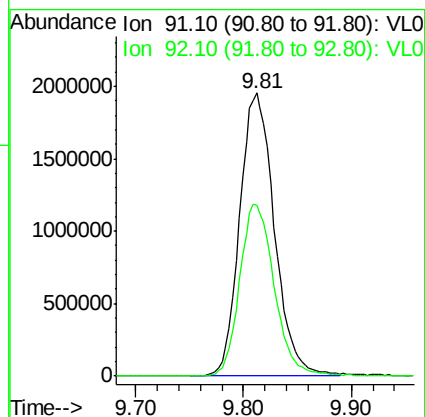
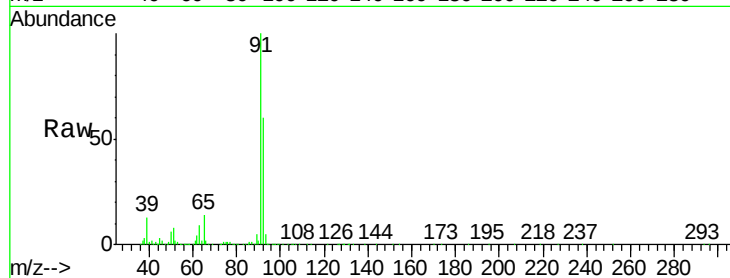
92 60.8 48.9 73.3

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#54

1,2-Dibromoethane

Concen: 9.095 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.02 min

Lab File: VL037669.D

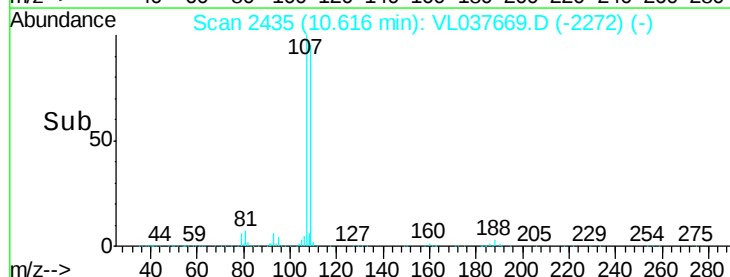
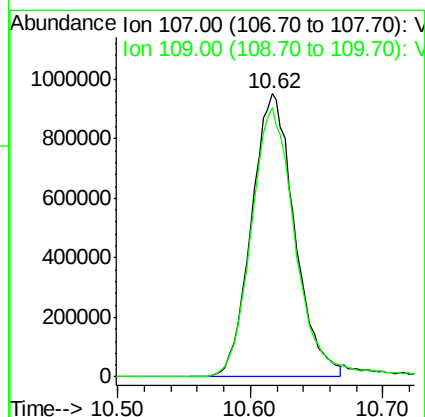
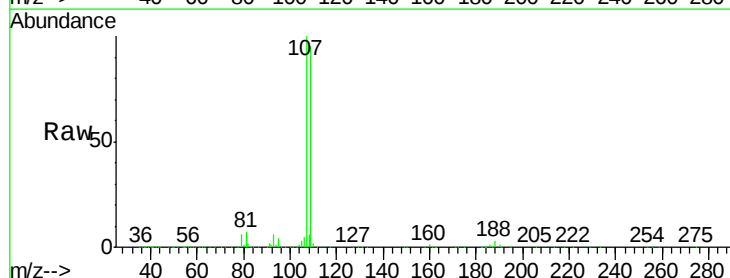
Acq: 23 Sep 2021 19:09

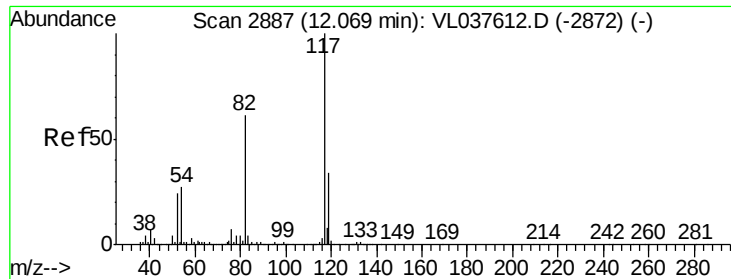
Tgt Ion: 107 Resp: 2149710

Ion Ratio Lower Upper

107 100

109 95.1 76.0 114.0





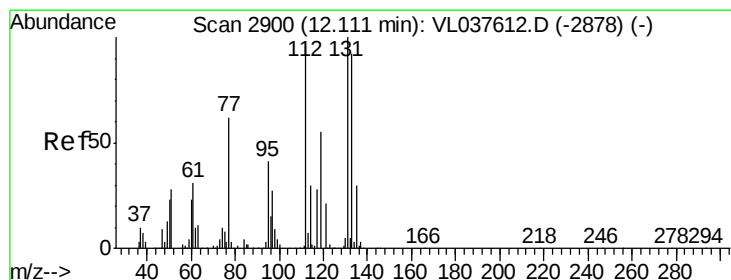
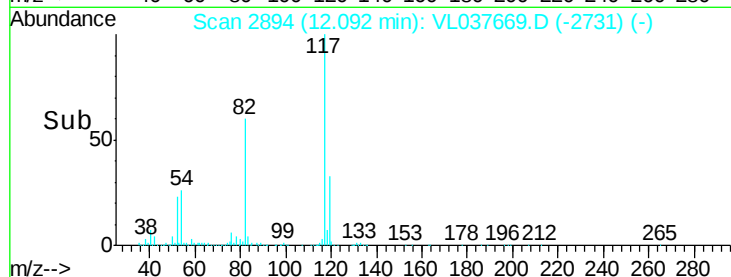
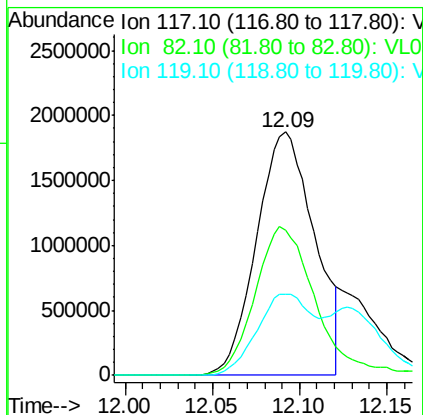
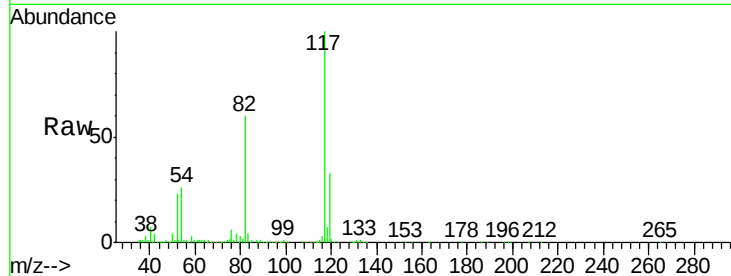
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion:117 Resp: 4339001
Ion Ratio Lower Upper
117 100
82 66.1 50.6 75.8
119 60.7 26.2 39.2#

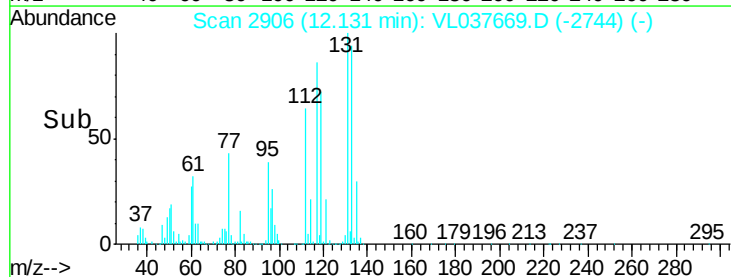
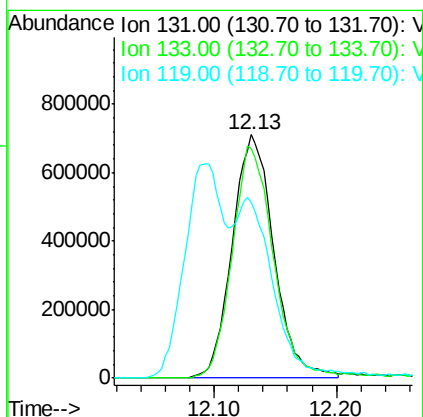
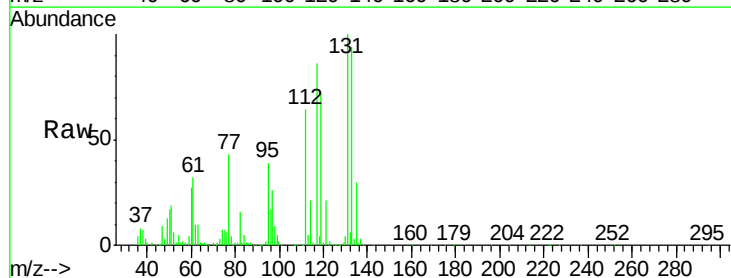
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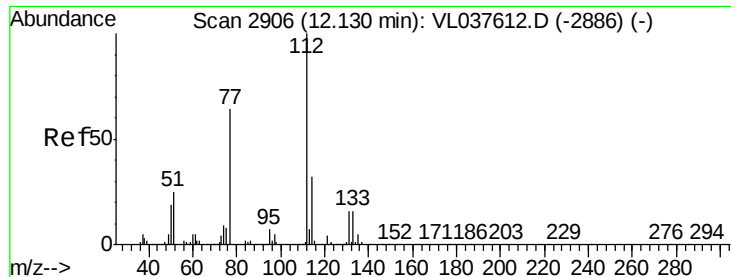
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.270 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion:131 Resp: 1668412
Ion Ratio Lower Upper
131 100
133 97.8 76.8 115.2
119 155.3 47.8 71.8#





#57

Chlorobenzene

Concen: 8.856 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 112 Resp: 3194776

Ion Ratio Lower Upper

112 100

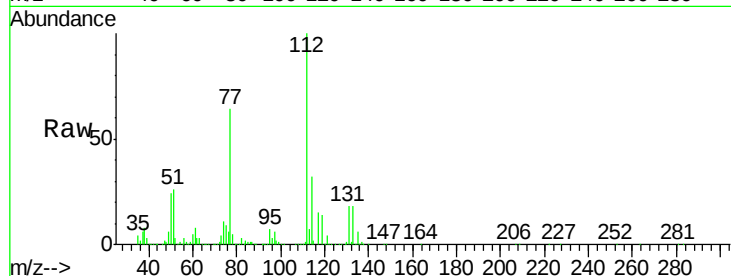
77 62.8 52.1 78.1

114 32.2 29.2 35.6

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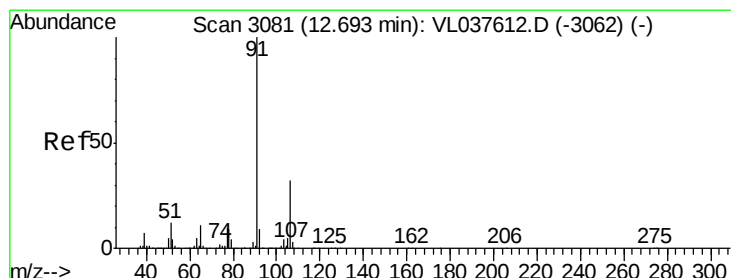
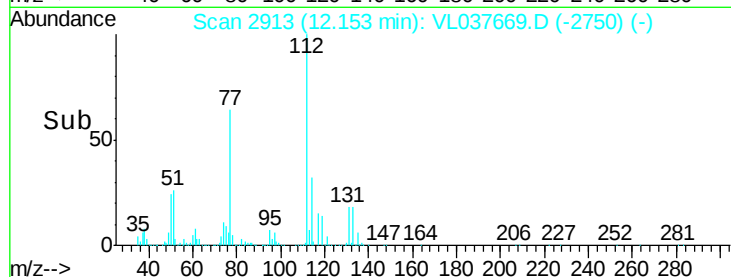
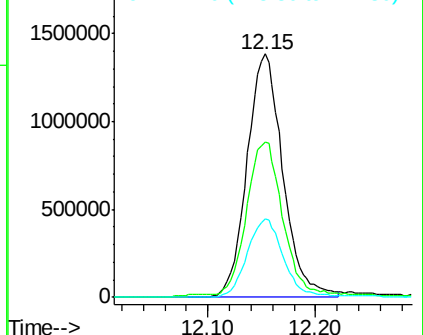
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.596 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VL037669.D

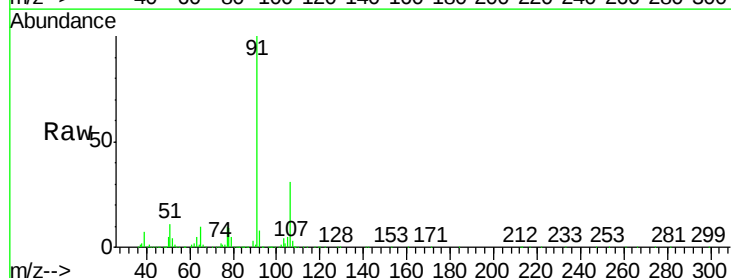
Acq: 23 Sep 2021 19:09

Tgt Ion: 91 Resp: 5526920

Ion Ratio Lower Upper

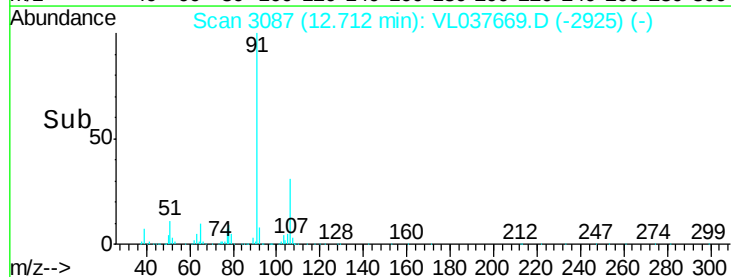
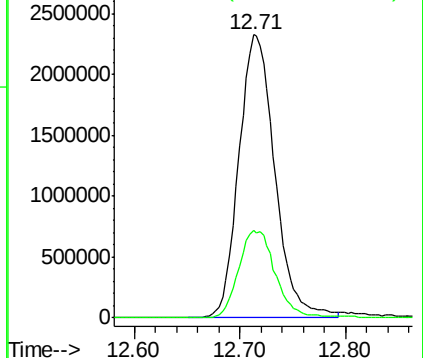
91 100

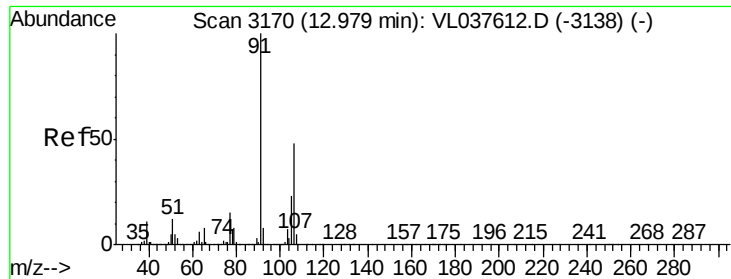
106 30.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





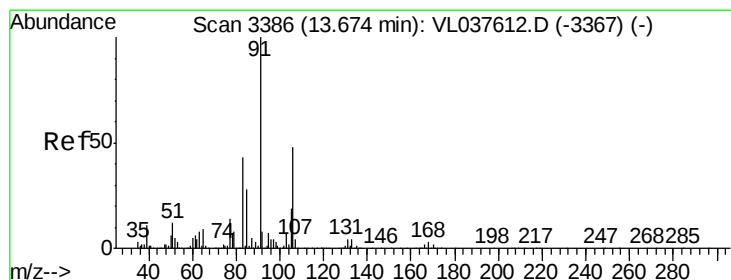
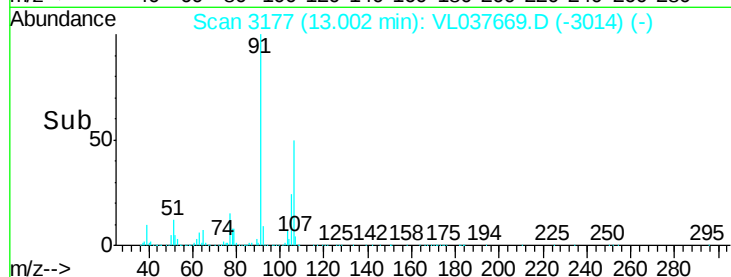
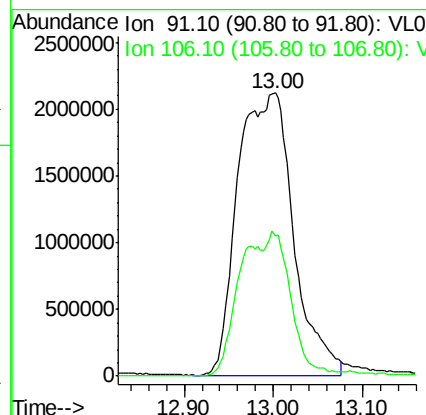
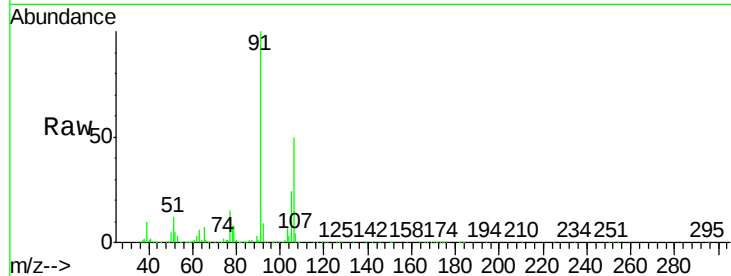
#59
m/p-Xylene
Concen: 18.306 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 91 Resp: 9188649
Ion Ratio Lower Upper
91 100
106 47.7 36.6 55.0

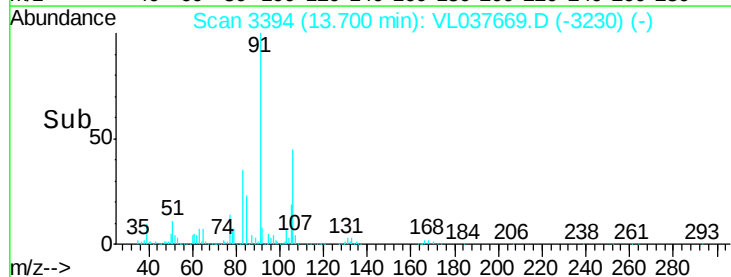
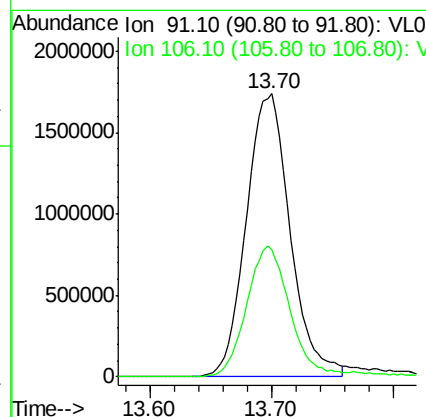
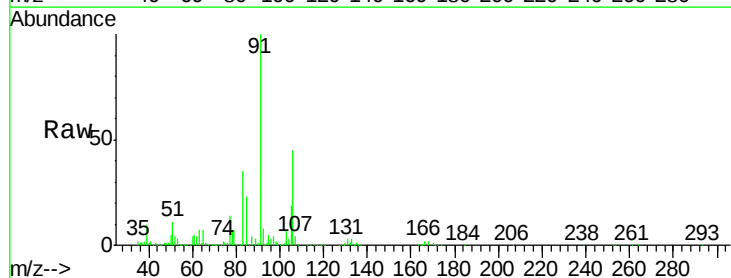
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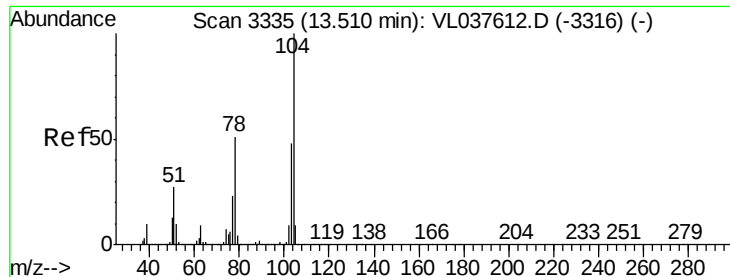
MMDadoda
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#60
o-Xylene
Concen: 9.025 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 91 Resp: 4311586
Ion Ratio Lower Upper
91 100
106 47.4 23.0 69.0





#61

Styrene

Concen: 10.375 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion:104 Resp: 2444217

Ion Ratio Lower Upper

104 100

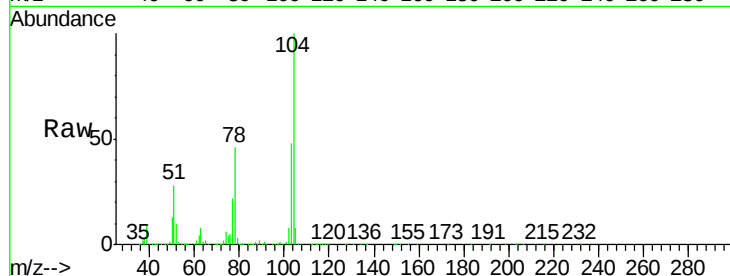
78 49.0 39.7 59.5

103 49.2 38.8 58.2

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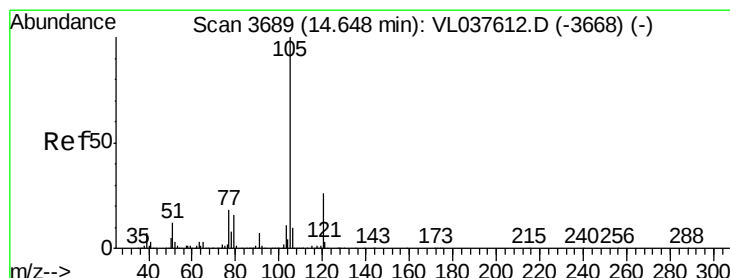
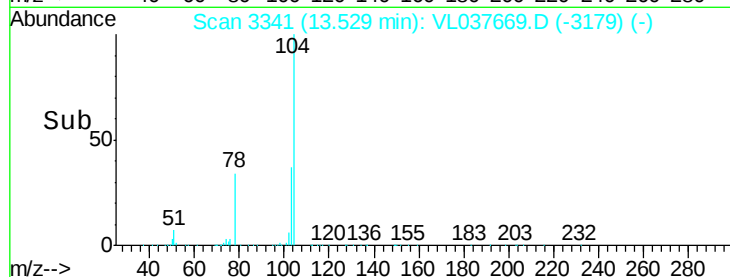
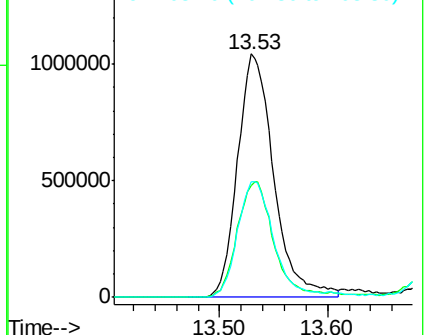
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.876 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.02 min

Lab File: VL037669.D

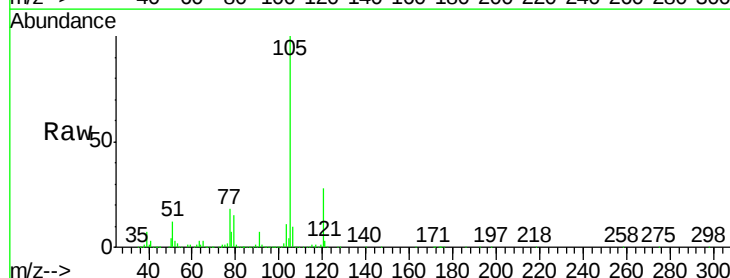
Acq: 23 Sep 2021 19:09

Tgt Ion:105 Resp: 5923759

Ion Ratio Lower Upper

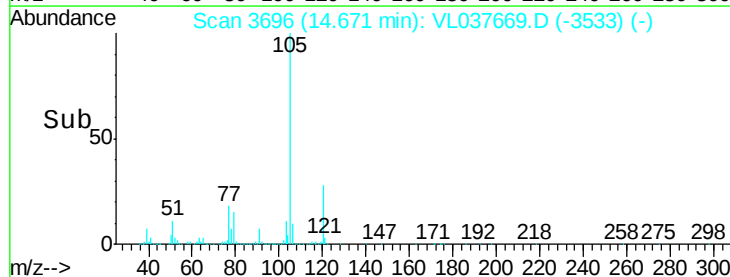
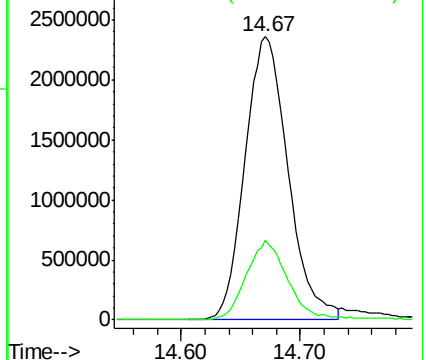
105 100

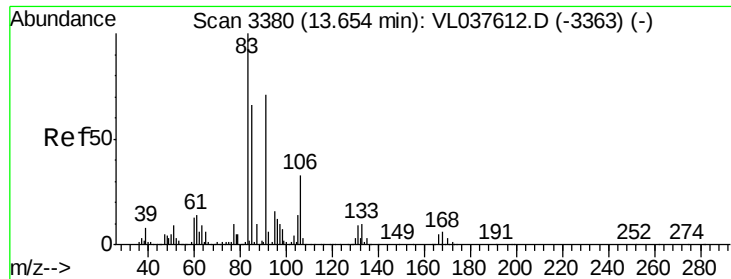
120 27.6 21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.263 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.03 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 83 Resp: 3089285

Ion Ratio Lower Upper

83 100

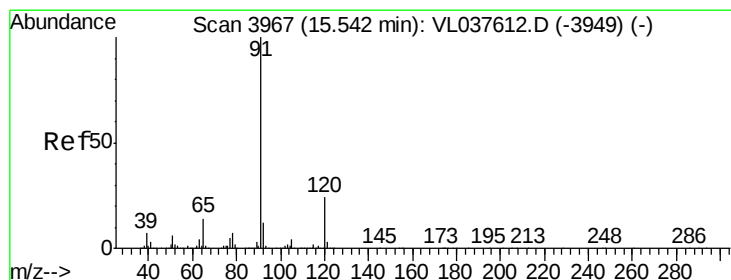
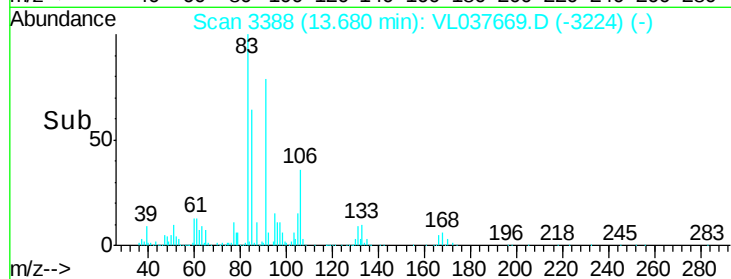
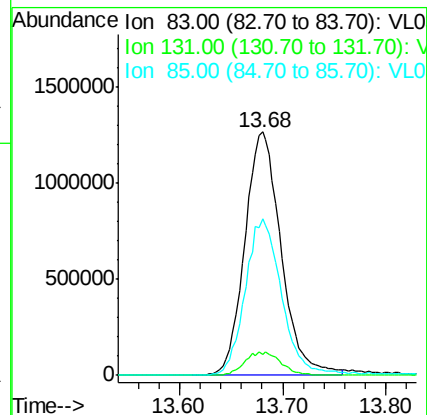
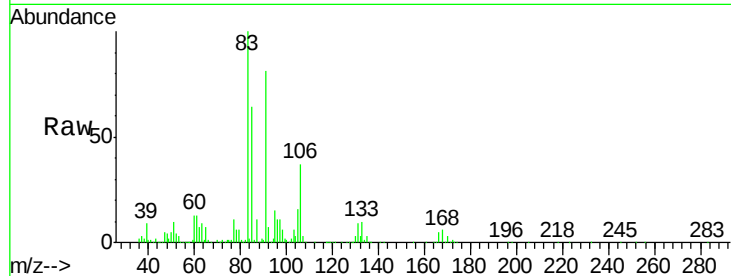
131 9.9 5.1 15.3

85 65.9 33.3 99.9

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#64

n-propylbenzene

Concen: 9.359 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.02 min

Lab File: VL037669.D

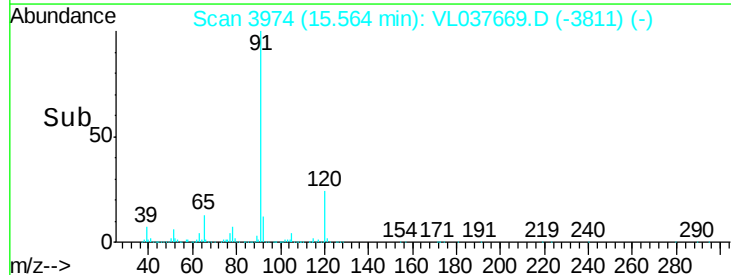
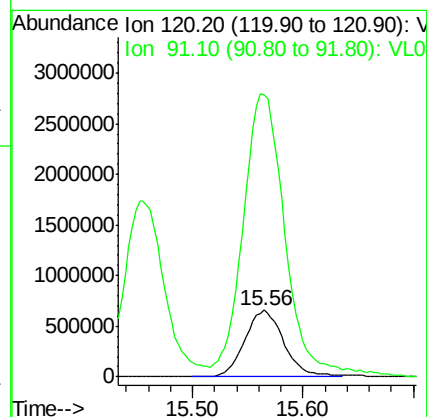
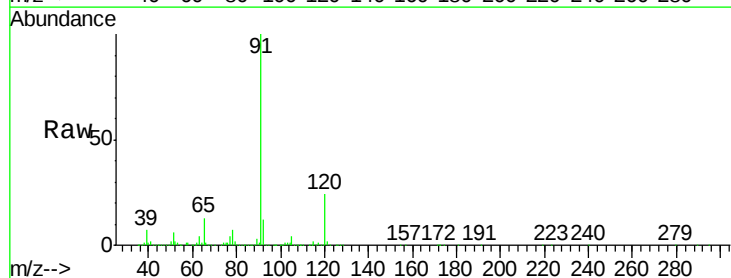
Acq: 23 Sep 2021 19:09

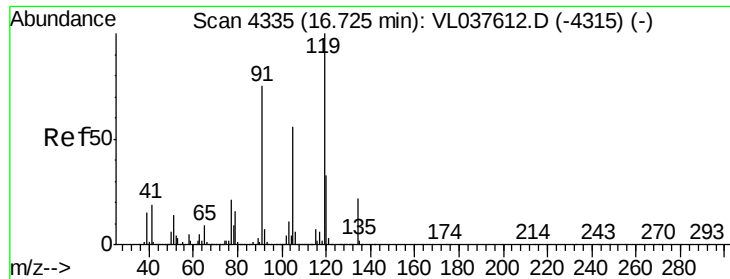
Tgt Ion: 120 Resp: 1611922

Ion Ratio Lower Upper

120 100

91 460.6 345.0 517.4





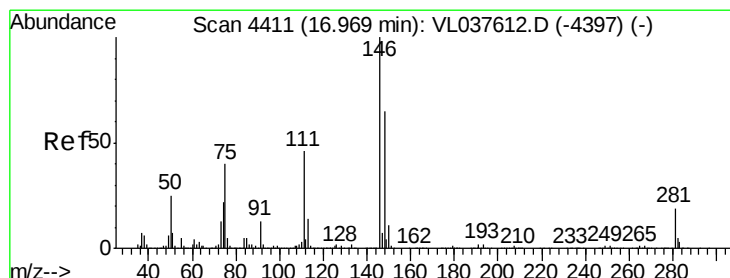
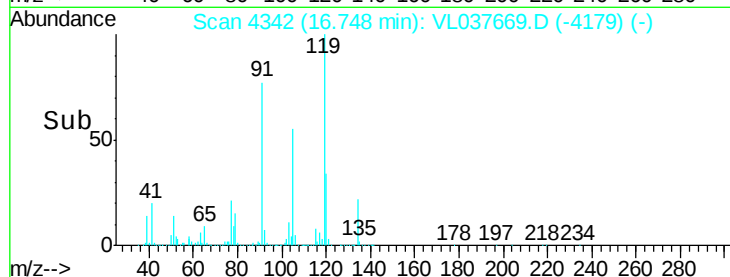
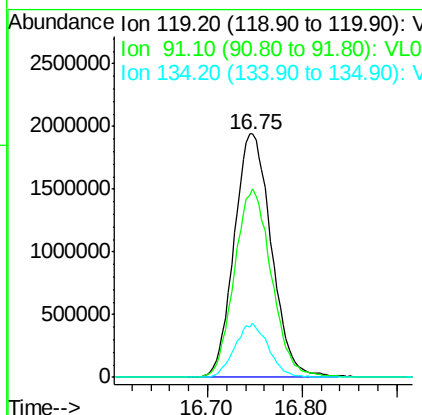
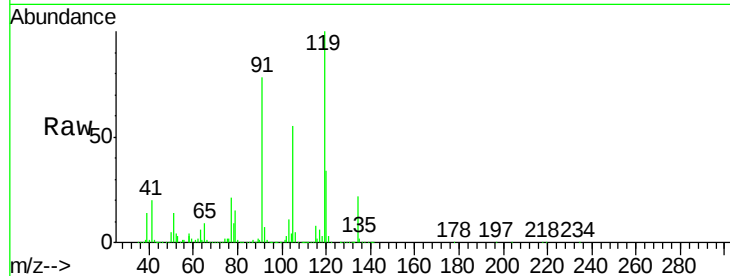
#65
tert-Butylbenzene
Concen: 8.827 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 119 Resp: 5311580
Ion Ratio Lower Upper
119 100
91 77.1 61.9 92.9
134 20.3 16.5 24.7

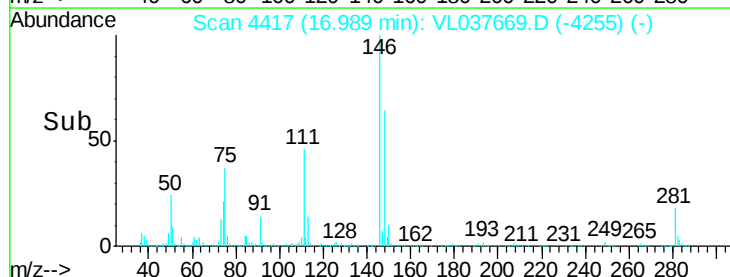
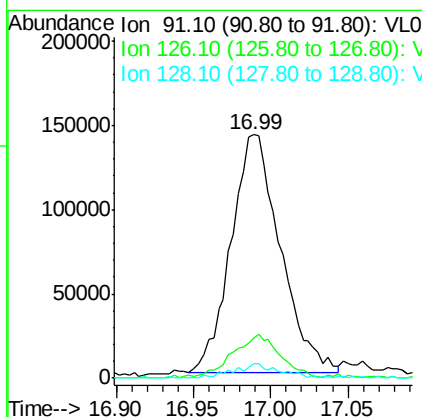
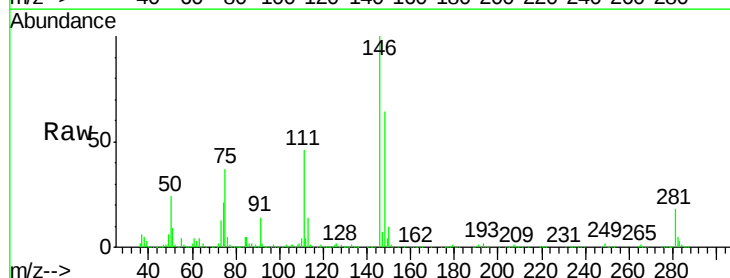
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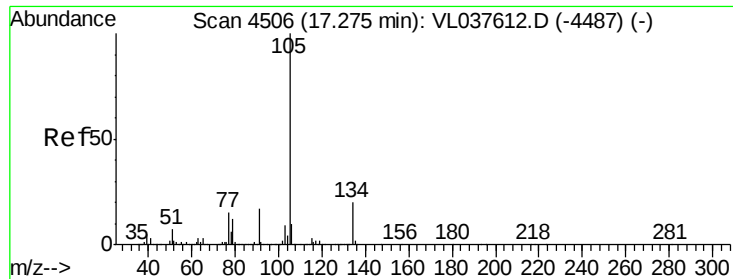
MMDadoda
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#66
Benzyl Chloride
Concen: 9.570 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 91 Resp: 314698
Ion Ratio Lower Upper
91 100
126 18.9 14.4 21.6
128 5.9 5.7 8.5





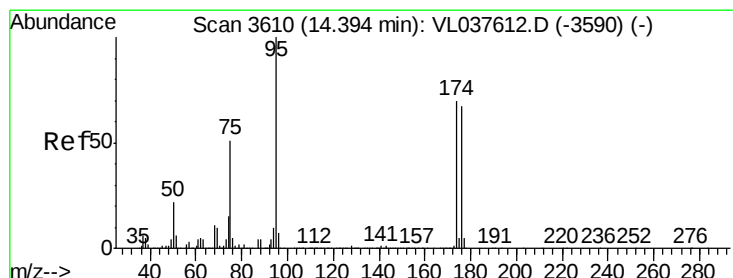
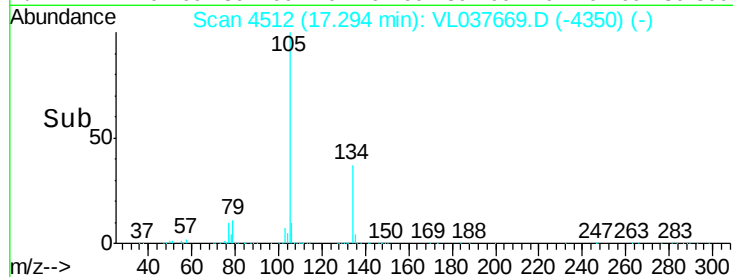
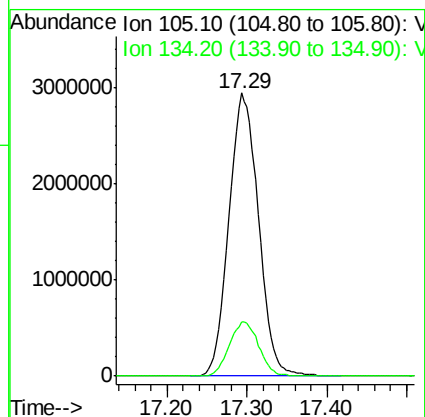
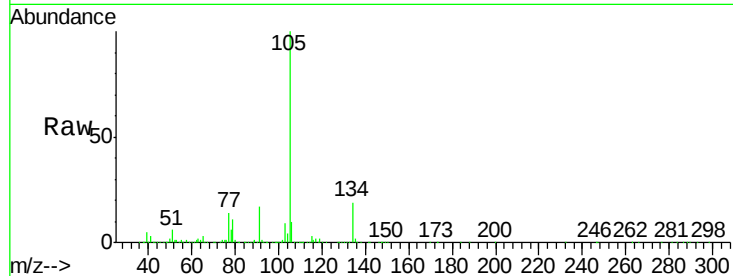
#67
 sec-Butylbenzene
 Concen: 9.030 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 105 Resp: 7372335
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.7 23.5

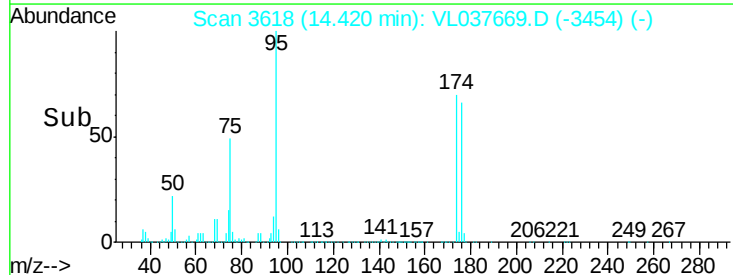
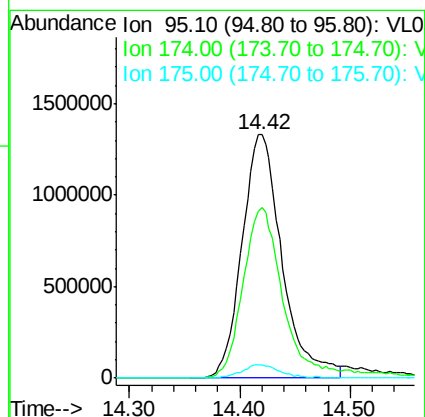
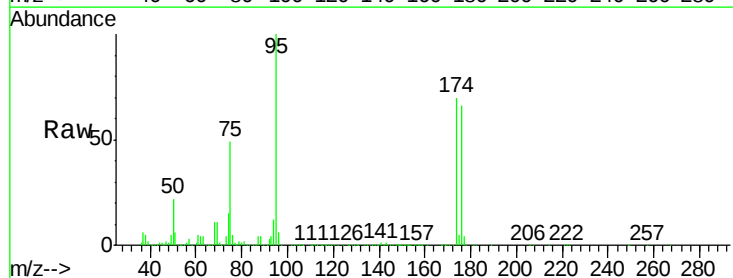
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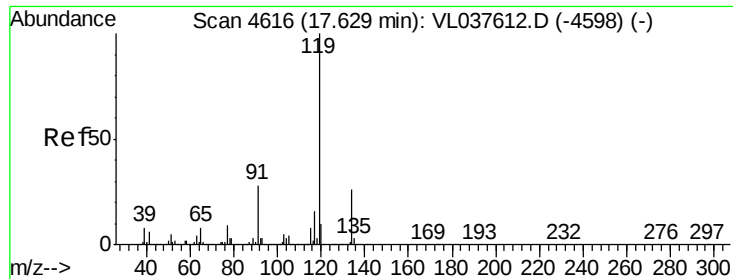
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.650 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.03 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion: 95 Resp: 3339585
 Ion Ratio Lower Upper
 95 100
 174 73.2 56.3 84.5
 175 5.4 4.4 6.6





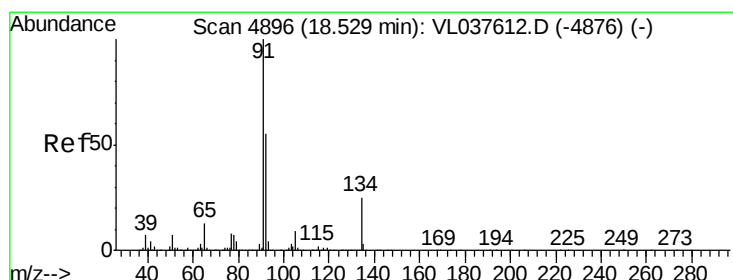
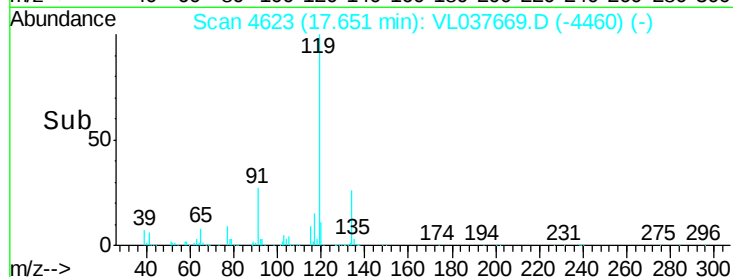
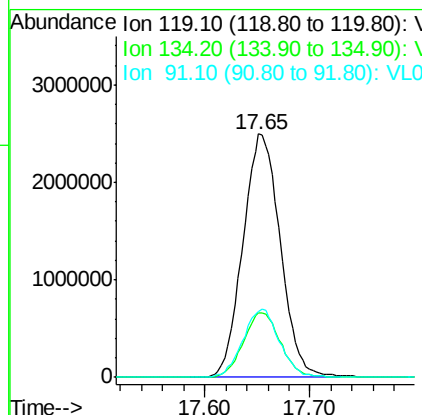
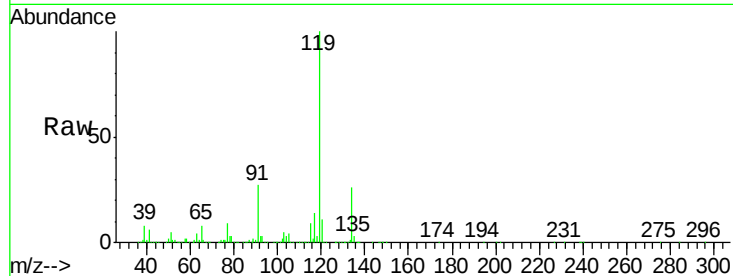
#69
p-Isopropyltoluene
Concen: 9.226 ppbv
RT: 17.65 min Scan# 4623
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 119 Resp: 6153706
Ion Ratio Lower Upper
119 100
134 26.6 21.2 31.8
91 27.3 22.2 33.2

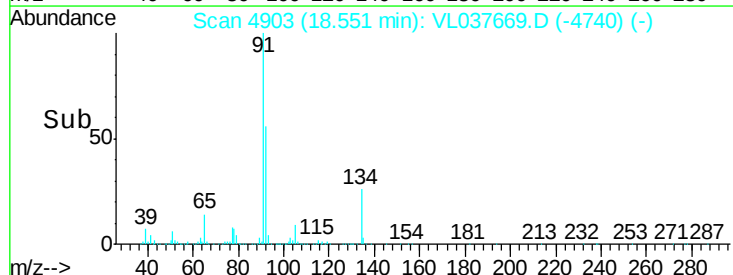
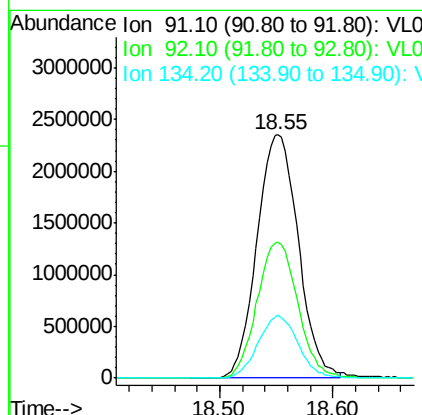
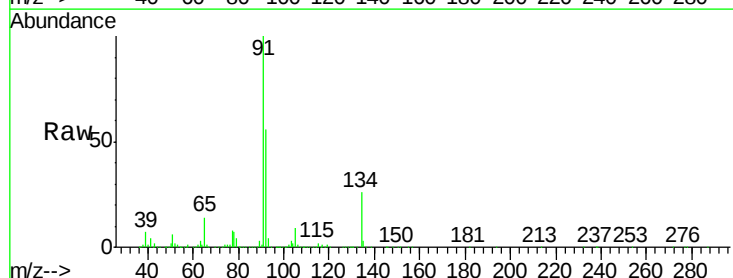
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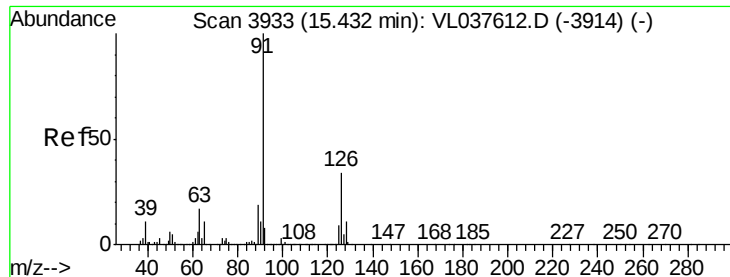
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#70
n-Butylbenzene
Concen: 9.438 ppbv
RT: 18.55 min Scan# 4903
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 91 Resp: 5956180
Ion Ratio Lower Upper
91 100
92 55.6 44.0 66.0
134 24.9 19.5 29.3





#71

2-Chlorotoluene

Concen: 9.156 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 91 Resp: 4379169

Ion Ratio Lower Upper

91 100

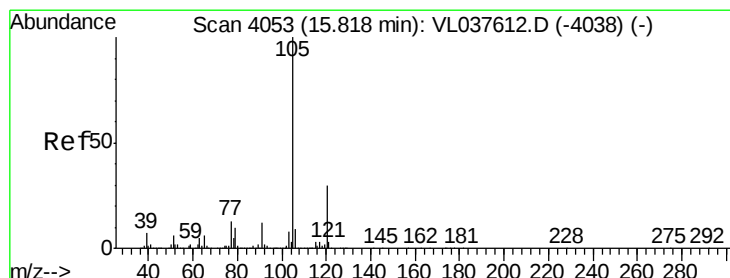
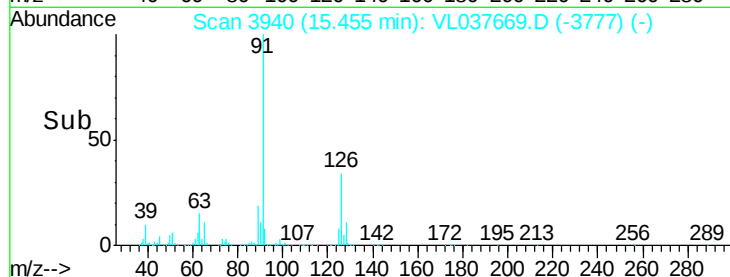
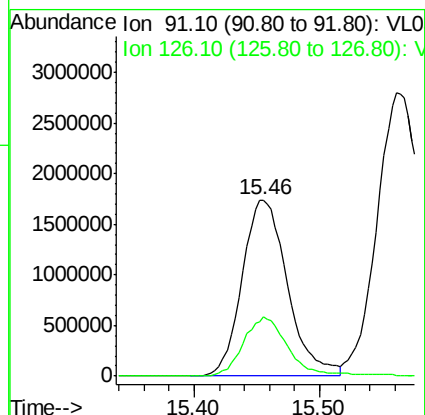
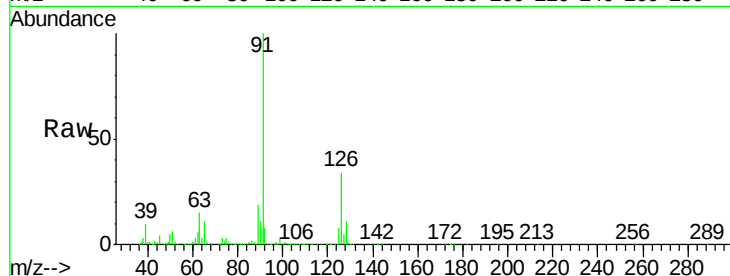
126 33.6 13.2 52.8

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#72

4-Ethyltoluene

Concen: 9.397 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Tgt Ion: 105 Resp: 5153205

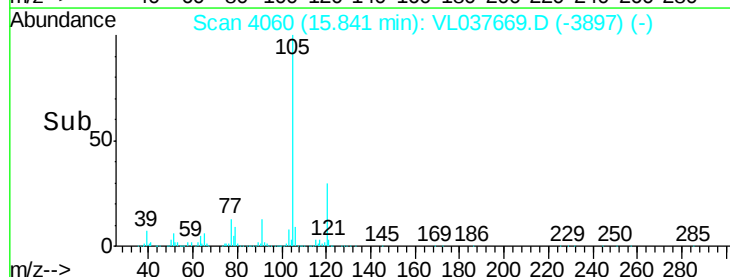
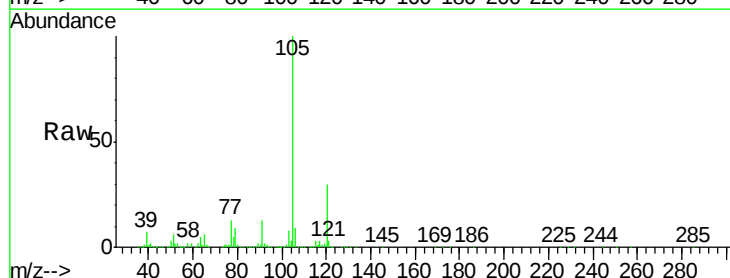
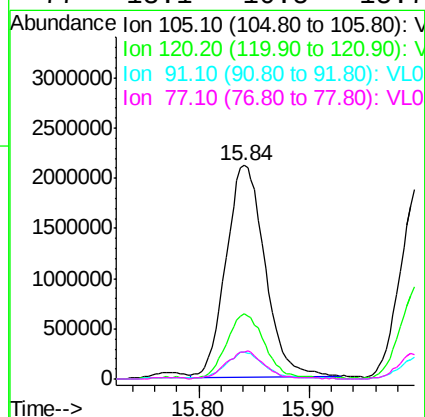
Ion Ratio Lower Upper

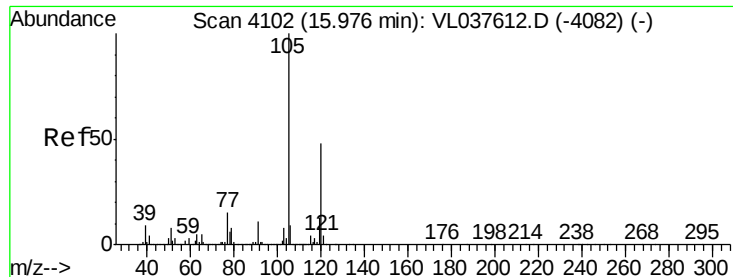
105 100

120 30.9 24.7 37.1

91 13.3 9.9 14.9

77 13.1 10.5 15.7





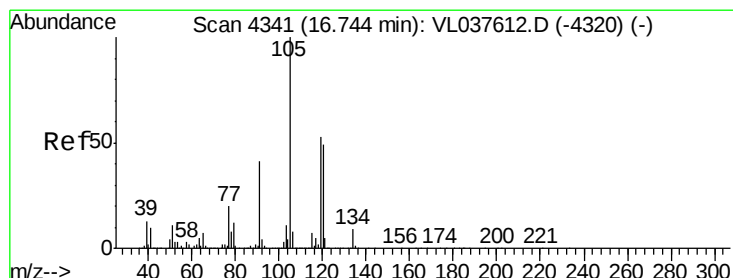
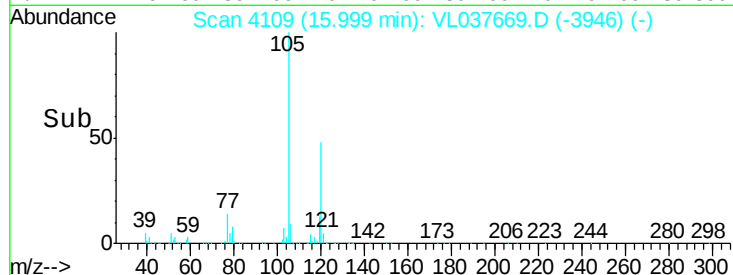
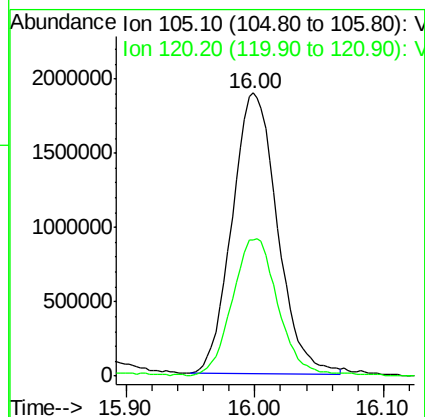
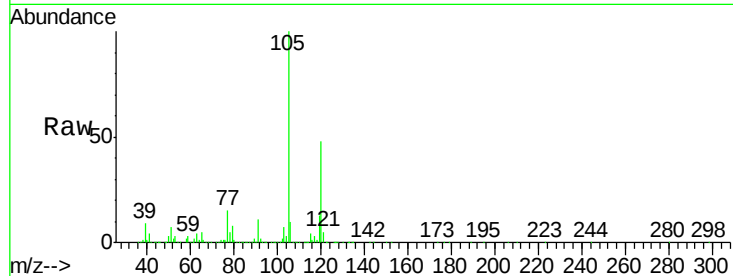
#73
 1,3,5-Trimethylbenzene
 Concen: 9.063 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion:105 Resp: 4632748
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.3 57.5

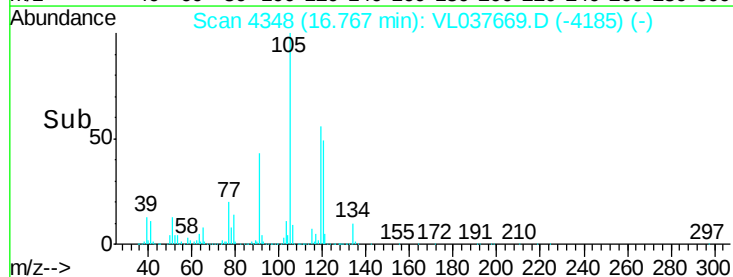
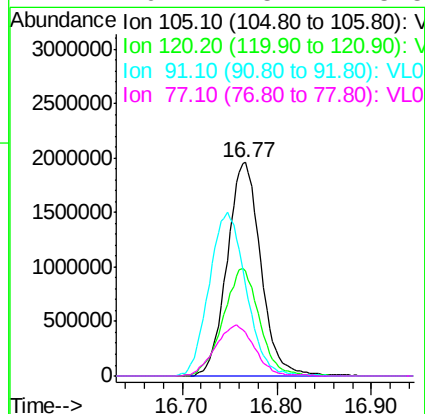
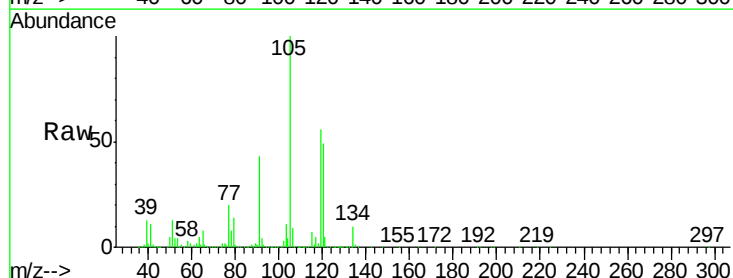
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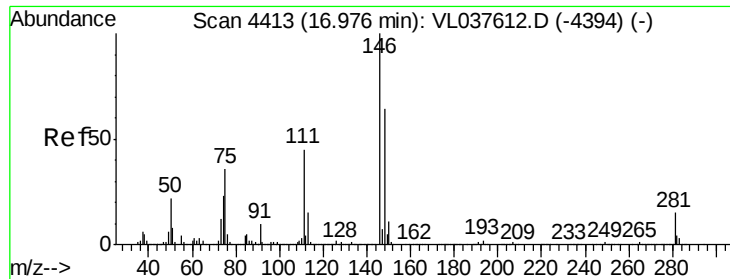
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.915 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion:105 Resp: 4800178
 Ion Ratio Lower Upper
 105 100
 120 49.0 39.4 59.0
 91 42.7 33.3 49.9
 77 20.1 15.7 23.5





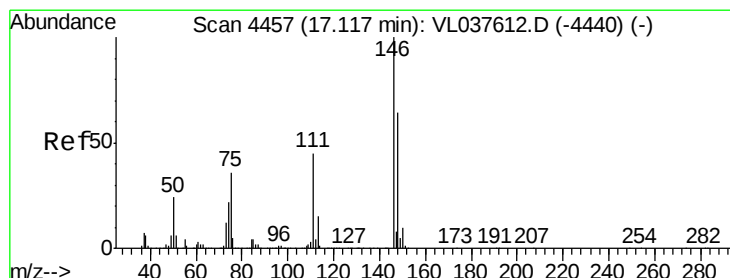
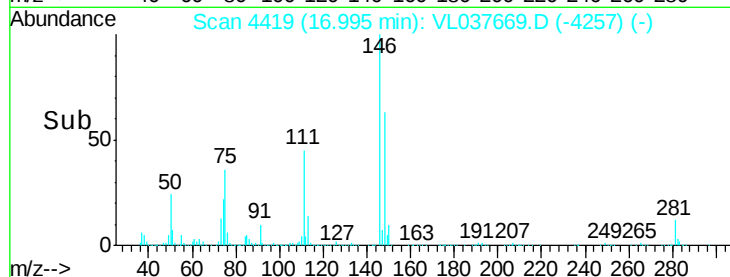
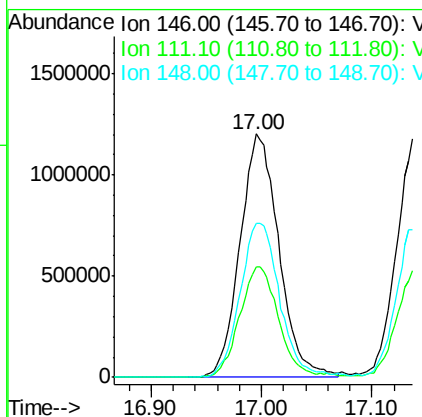
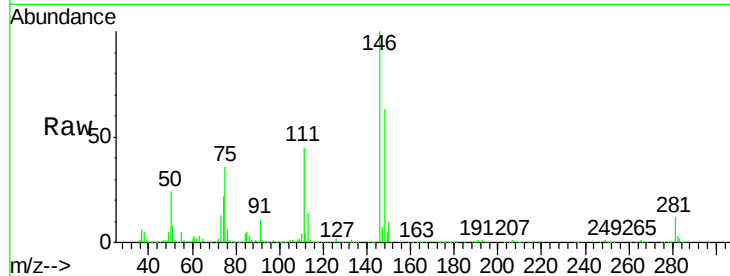
#75
 1,3-Dichlorobenzene
 Concen: 8.779 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion:146 Resp: 293687
 Ion Ratio Lower Upper
 146 100
 111 46.0 22.8 68.3
 148 64.7 32.1 96.5

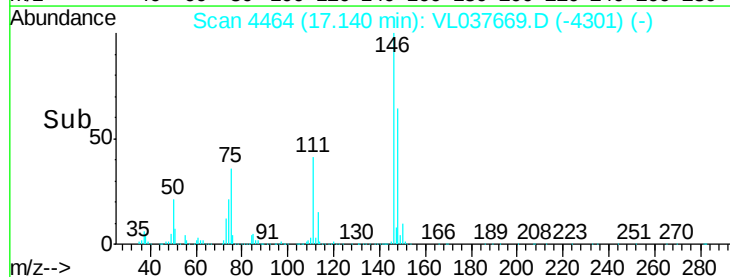
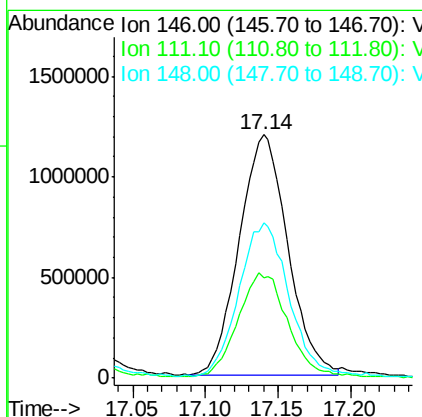
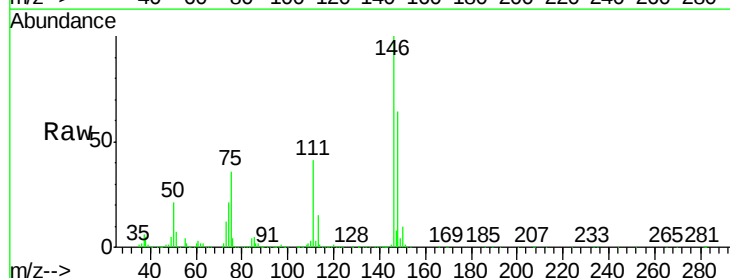
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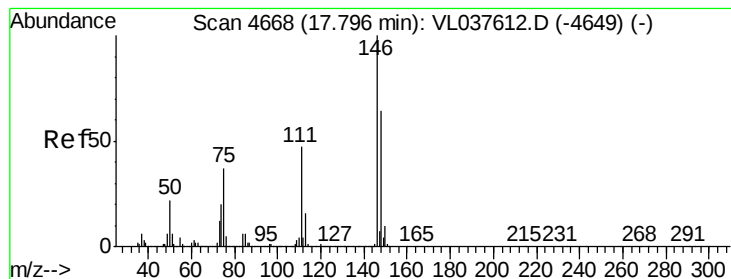
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#76
 1,4-Dichlorobenzene
 Concen: 8.435 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion:146 Resp: 2782944
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.5 67.5
 148 68.4 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 8.924 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion:146 Resp: 2831536

Ion Ratio Lower Upper

146 100

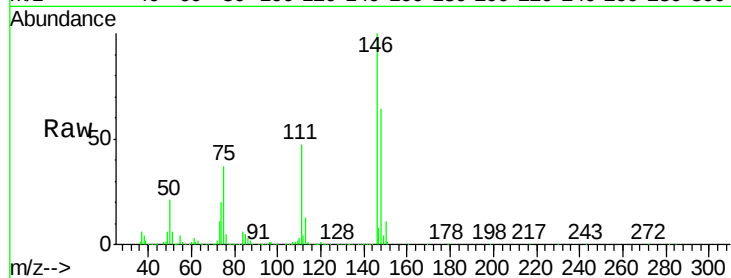
111 46.5 24.0 72.0

148 64.3 32.8 98.3

Manual Integrations
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MMDadoda

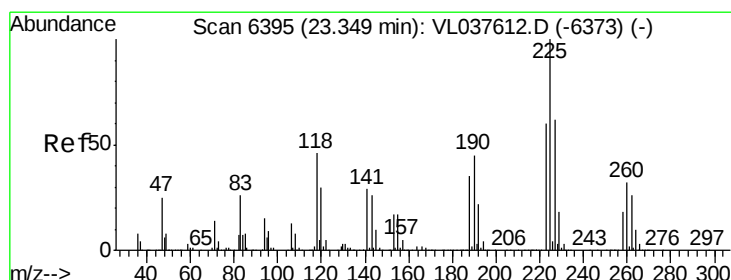
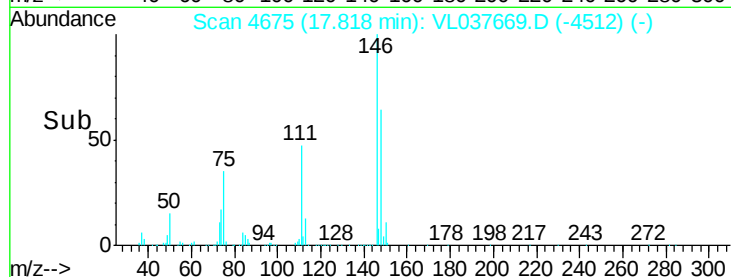
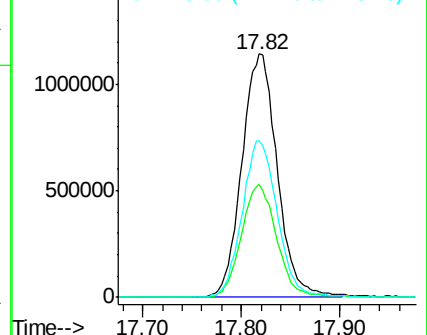
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.403 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.03 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

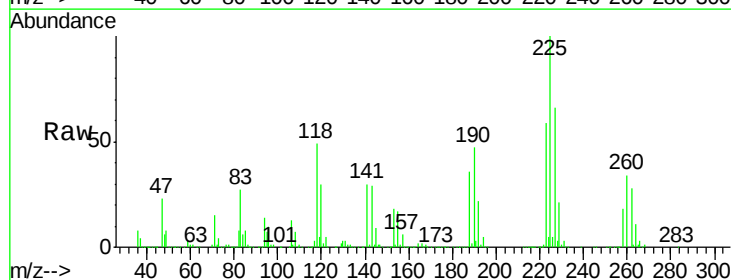
Tgt Ion:225 Resp: 2243889

Ion Ratio Lower Upper

225 100

223 62.9 51.1 76.7

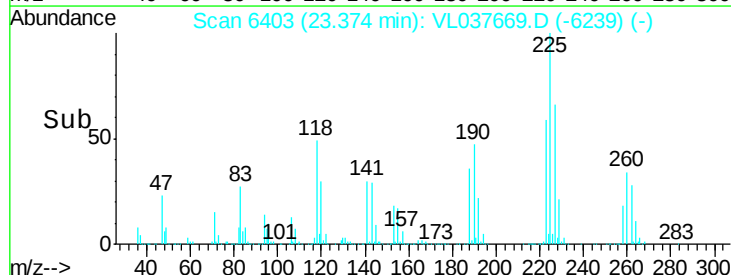
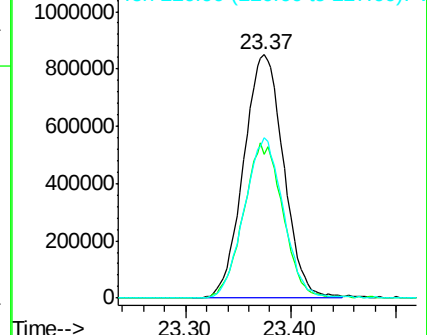
227 64.5 52.2 78.4

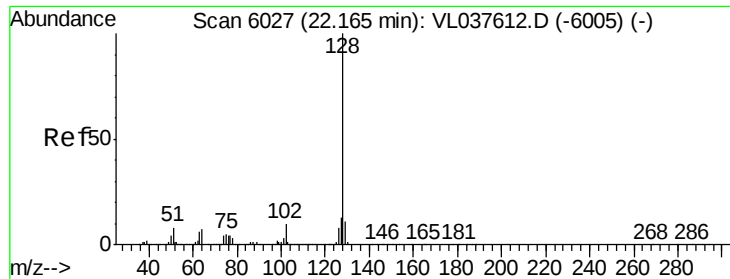


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





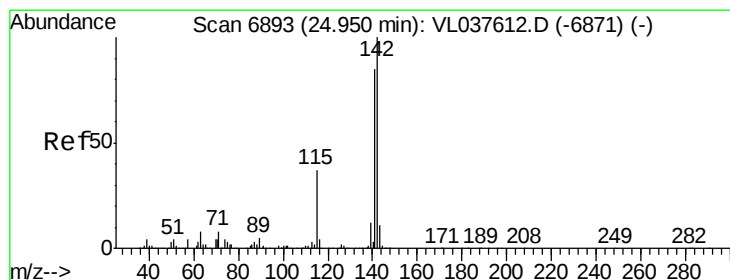
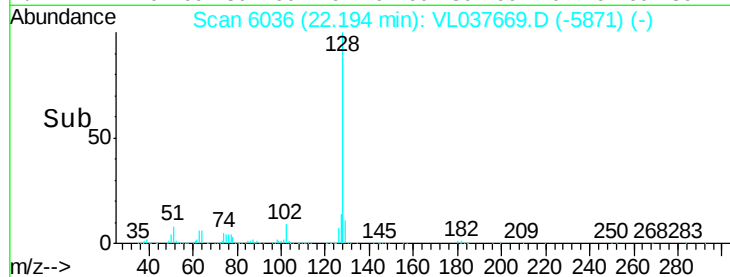
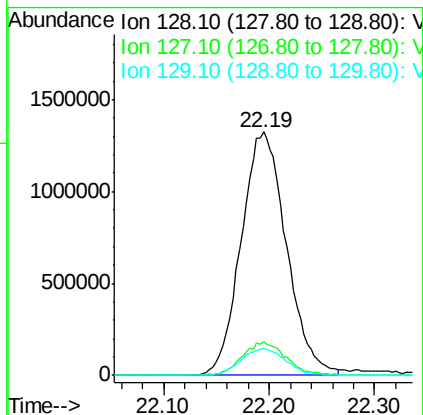
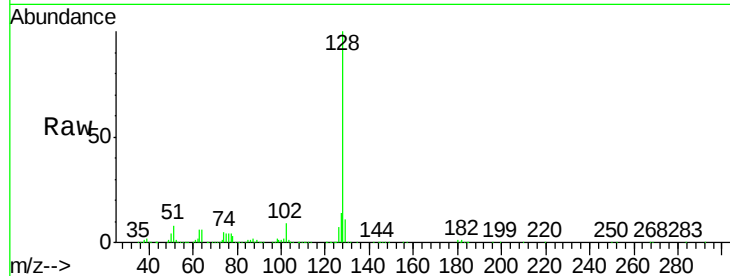
#79
Naphthalene
Concen: 11.917 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.03 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion:128 Resp: 3939813
Ion Ratio Lower Upper
128 100
127 13.7 10.6 16.0
129 11.4 8.6 12.8

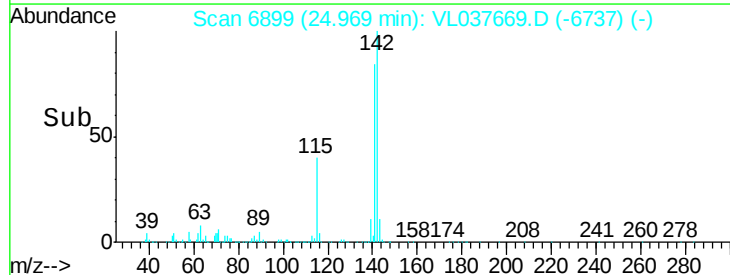
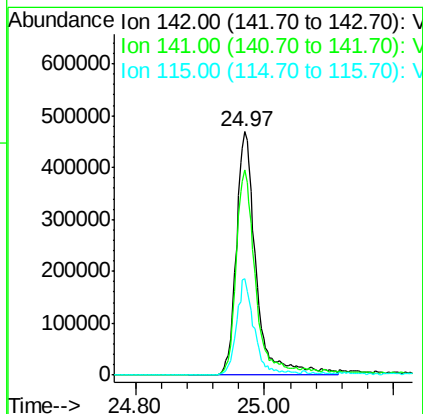
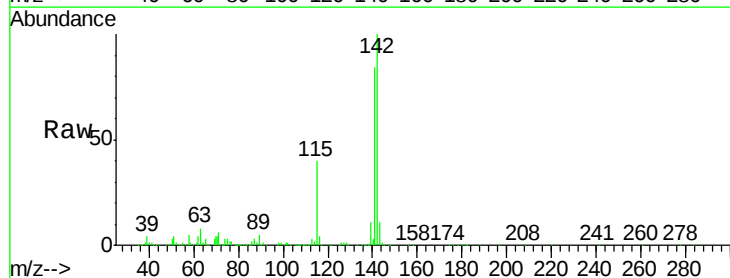
Manual Integrations
APPROVED

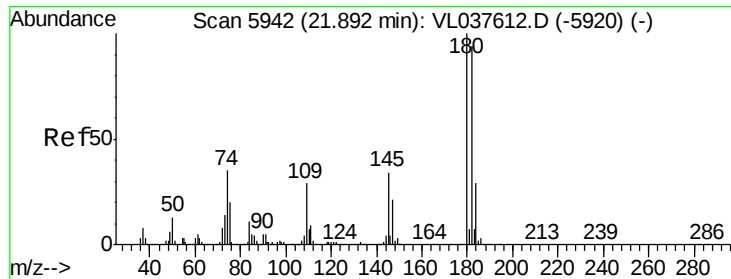
MMDadoda
9/27/2021 10:56:31 AM



#80
Naphthalene, 2-methyl-
Concen: 13.340 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion:142 Resp: 1008003
Ion Ratio Lower Upper
142 100
141 85.1 70.9 106.3
115 36.9 29.6 44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.738 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.03 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	78.9	118.3
184	31.2	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:31 AM

