

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037442.D
 Acq On : 13 Aug 2021 10:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

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 8/16/2021 5:03:50 PM

Quant Time: Aug 13 12:21:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 13 2021
 QLast Update : Thu Aug 12 15:26:13 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1305931	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3951830	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3719509m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2518222	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1552582	7.782	ppbv	99
3) Chlorodifluoromethane	2.99	51	2357031	9.191	ppbv	99
4) Chloromethane	3.14	50	873260	9.473	ppbv	100
5) Vinyl Chloride	3.25	62	878229	9.326	ppbv	100
6) Bromomethane	3.47	94	483529	9.180	ppbv	95
7) Chloroethane	3.56	64	321388	9.583	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	2058325	9.243	ppbv	99
9) Propene	3.01	41	846210	9.826	ppbv	99
10) Heptane	8.12	43	2087366	9.968	ppbv	100
11) Trichlorofluoromethane	3.95	101	1936931	8.972	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1453683	9.612	ppbv	99
13) Ethanol	3.62	45	86430m	9.404	ppbv	
14) Bromoethene	3.74	108	614036	9.128	ppbv	96
15) Acetone	3.84	43	1067156	7.705	ppbv	95
16) 1,3-Butadiene	3.32	39	858027	9.231	ppbv	97
17) tert-Butyl alcohol	4.29	59	1209546	9.150	ppbv	100
18) 1,1-Dichloroethene	4.29	96	649808	9.254	ppbv	89
19) Isopropyl Alcohol	3.96	45	725376	8.999	ppbv	# 1
20) Methylene Chloride	4.34	84	584352	7.979	ppbv	96
21) Allyl Chloride	4.41	41	1045346	9.632	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	681655	10.349	ppbv	96
23) Vinyl Acetate	5.07	43	1633450	7.686	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1330024	8.058	ppbv	99
25) Ethyl Acetate	5.67	43	3228462	9.781	ppbv	99
26) Hexane	5.68	57	1597709	9.380	ppbv	99
27) Carbon Disulfide	4.55	76	1577409	10.984	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1406319	7.715	ppbv	98
29) Chloroform	5.75	83	2258006	9.416	ppbv	98
30) Cyclohexane	7.12	84	1329970	9.481	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1507219	10.237	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2238689	9.250	ppbv	100
34) 2-Butanone	5.24	43	1402195	8.594	ppbv	97
35) Carbon Tetrachloride	7.01	117	2341871	9.610	ppbv	100
36) Benzene	6.89	78	3267500	9.806	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1643718	9.666	ppbv	99
38) Trichloroethene	7.83	130	1301355	8.848	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1234060	9.722	ppbv	97
40) 1,4-Dioxane	7.82	88	327117m	10.589	ppbv	
41) Tetrahydrofuran	6.05	42	750857	10.021	ppbv	98
42) Bromodichloromethane	7.78	83	2478689	10.409	ppbv	99
43) Methyl Methacrylate	8.01	69	1170040	10.360	ppbv	98

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 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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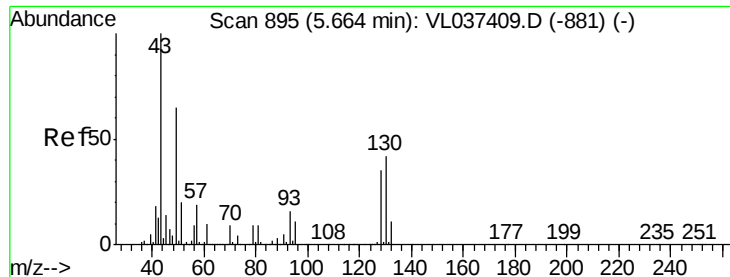
Manual Integrations
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 8/16/2021 5:03:50 PM

Quant Time: Aug 13 12:21:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 13 2021
 QLast Update : Thu Aug 12 15:26:13 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5392547	9.679	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1020407	12.159	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1321732	11.281	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1311474	9.557	ppbv	96
48) Dibromochloromethane	10.30	129	2095563	10.584	ppbv	100
49) Bromoform	13.03	173	1632652	10.883	ppbv	91
50) 4-Methyl-2-Pentanone	8.74	43	2103497	10.248	ppbv	100
51) 2-Hexanone	10.13	43	1014799	10.509	ppbv #	99
52) Tetrachloroethene	11.21	164	1198922	8.541	ppbv	95
53) Toluene	9.80	91	3820039	10.041	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1903127	10.190	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1411980	9.536	ppbv	97
57) Chlorobenzene	12.14	112	2683416	8.902	ppbv	96
58) Ethyl Benzene	12.70	91	4848913	9.610	ppbv	98
59) m/p-Xylene	12.99	91	8346135m	18.830	ppbv	
60) o-Xylene	13.68	91	3765509	9.145	ppbv	100
61) Styrene	13.52	104	2127037	10.225	ppbv	100
62) Isopropylbenzene	14.66	105	5244460	8.906	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2707389	8.719	ppbv	98
64) n-propylbenzene	15.55	120	1428573	9.641	ppbv	95
65) tert-Butylbenzene	16.73	119	4811305	9.060	ppbv	99
66) Benzyl Chloride	16.98	91	299902	12.343	ppbv	99
67) sec-Butylbenzene	17.28	105	6734338	9.320	ppbv	99
69) p-Isopropyltoluene	17.64	119	5653731	9.533	ppbv	100
70) n-Butylbenzene	18.54	91	5533401	10.039	ppbv	99
71) 2-Chlorotoluene	15.44	91	3893968	9.349	ppbv	99
72) 4-Ethyltoluene	15.83	105	4655044	9.740	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4204158	9.304	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4391791	9.493	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	2654526	9.376	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2582409	9.200	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2593329	9.520	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1915916	8.683	ppbv	99
79) Naphthalene	22.18	128	3231112	12.851	ppbv	97
80) Naphthalene, 2-methyl-	24.96	142	956522	18.012	ppbv	94
81) 1,2,4-Trichlorobenzene	21.91	180	1947657	11.401	ppbv	99

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



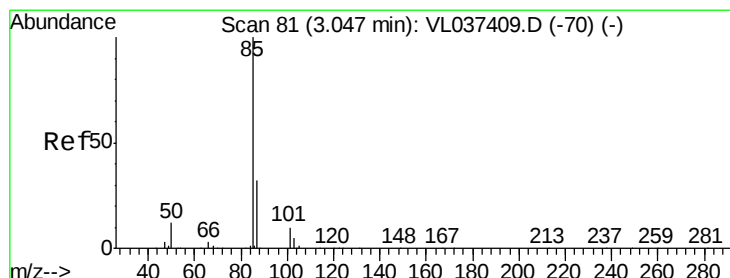
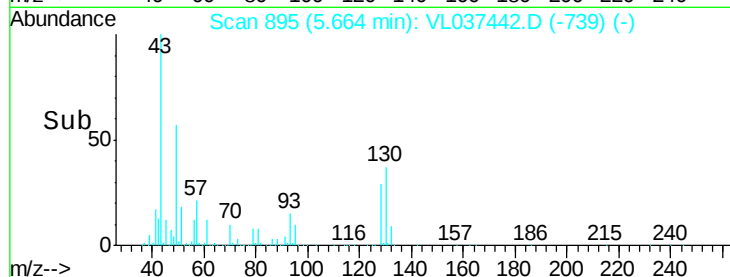
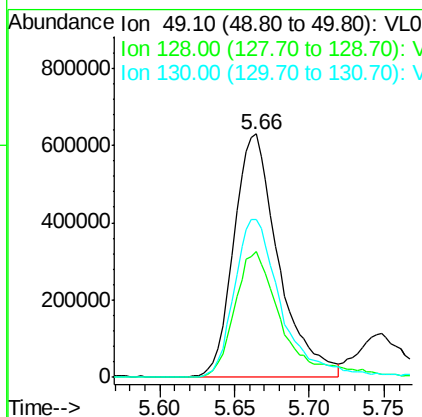
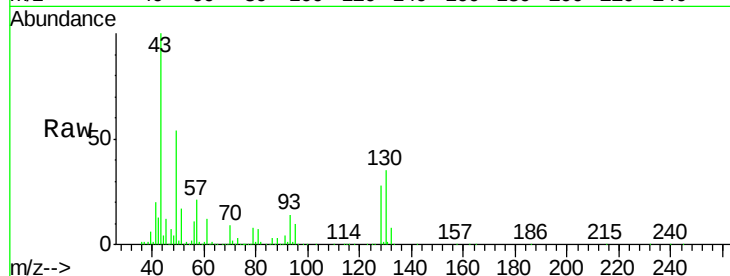
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 49 Resp: 1305931
Ion Ratio Lower Upper
49 100
128 56.4 27.9 83.6
130 69.1 34.6 103.8

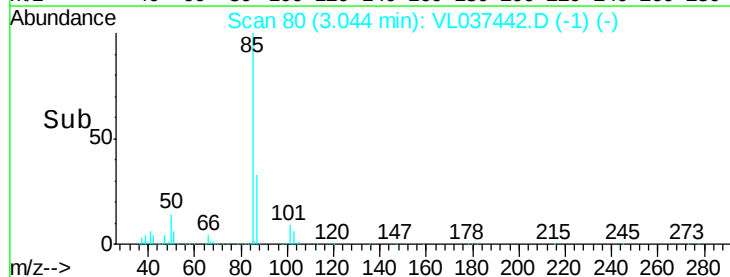
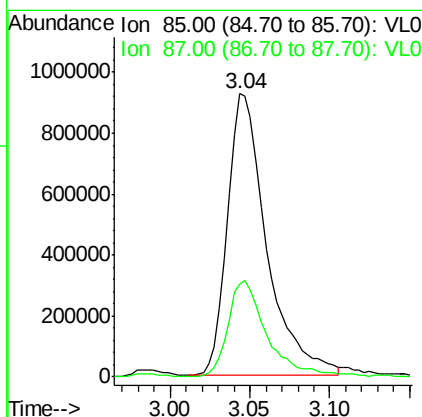
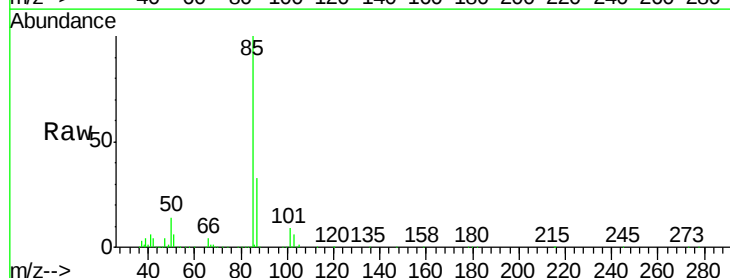
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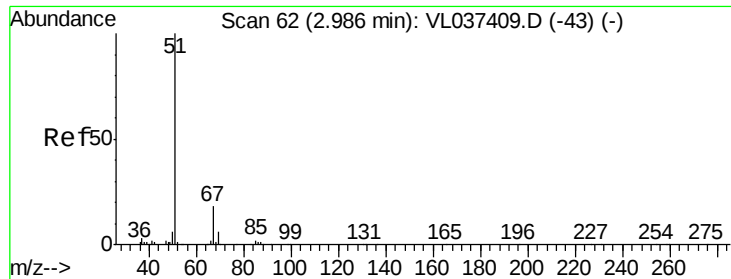
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#2
Dichlorodifluoromethane
Concen: 7.782 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 85 Resp: 1552582
Ion Ratio Lower Upper
85 100
87 32.9 25.7 38.5





#3

Chlorodifluoromethane

Concen: 9.191 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 2357031

Ion Ratio Lower Upper

51 100

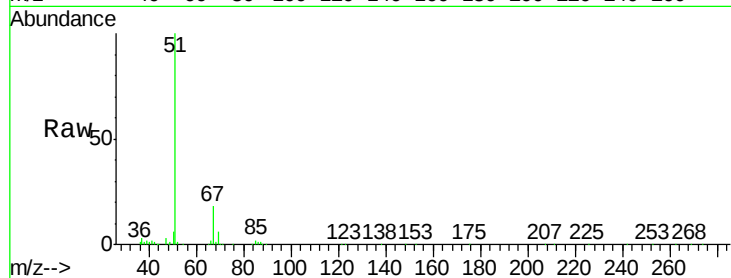
67 18.1 14.7 22.1

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

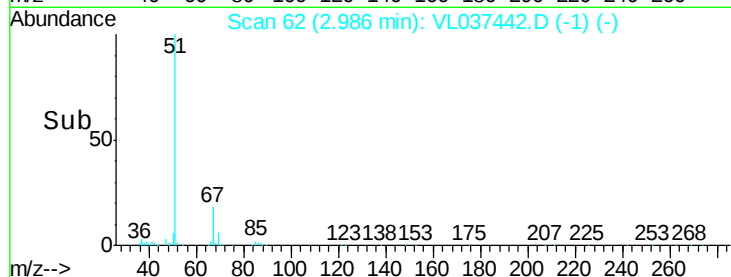
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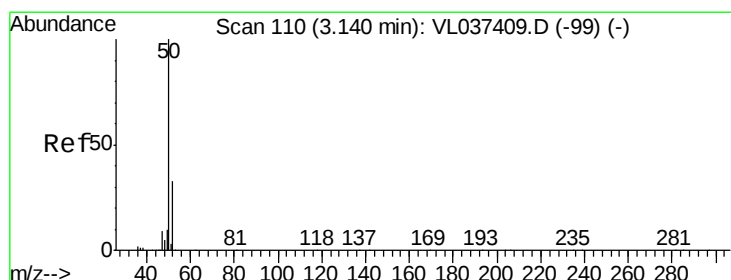
500000

0

Time-->



Time-->



#4

Chloromethane

Concen: 9.473 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037442.D

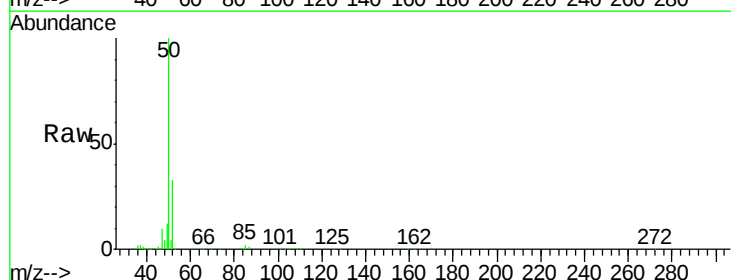
Acq: 13 Aug 2021 10:31

Tgt Ion: 50 Resp: 873260

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

500000

400000

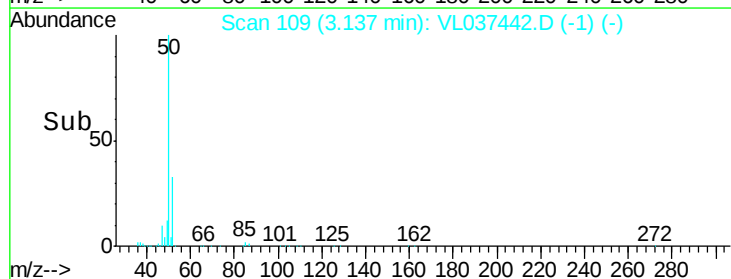
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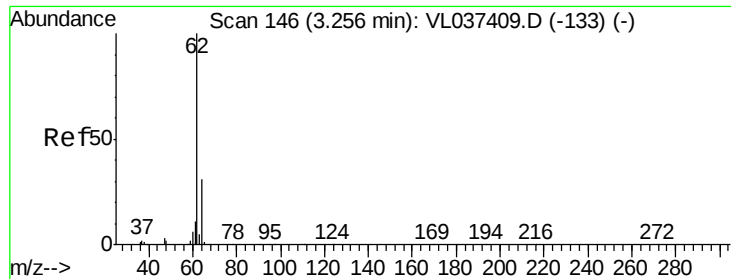
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.326 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 878229

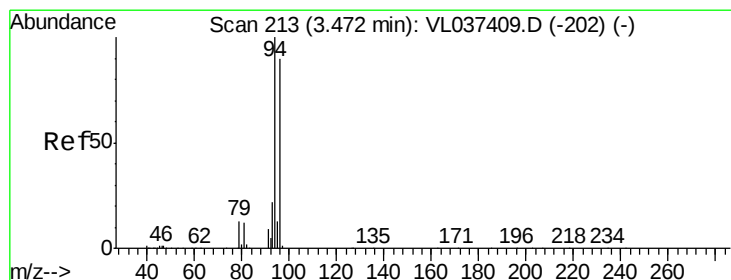
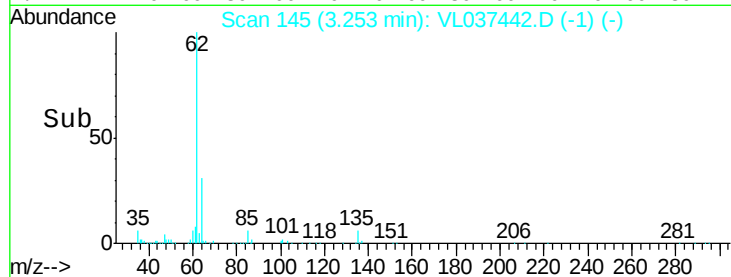
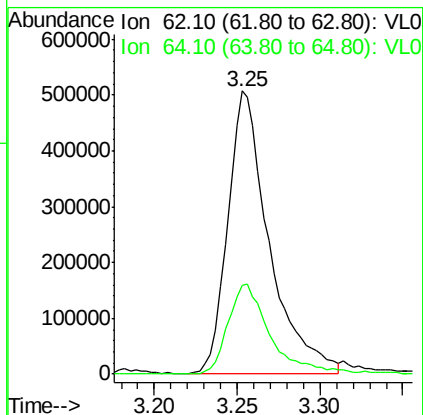
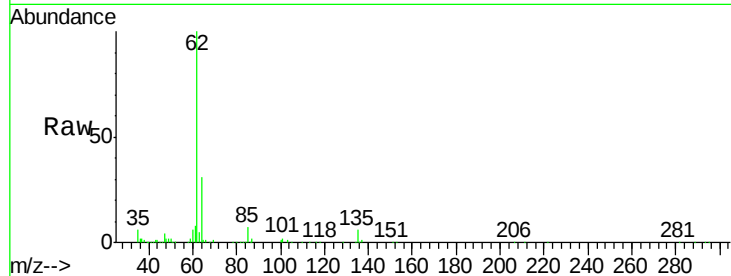
Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6

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#6

Bromomethane

Concen: 9.180 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL037442.D

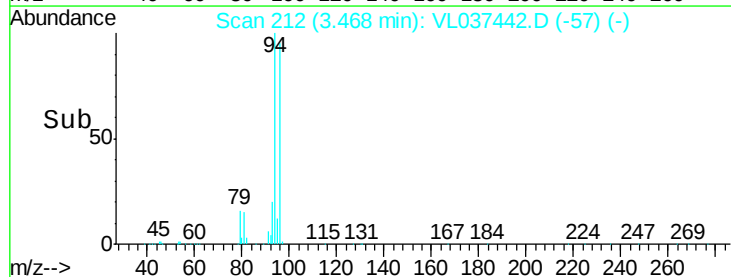
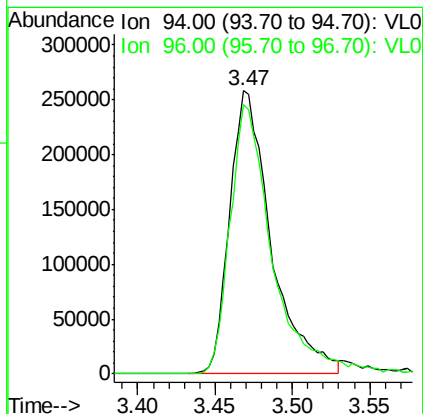
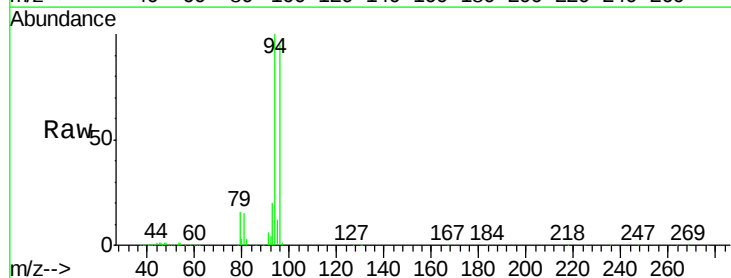
Acq: 13 Aug 2021 10:31

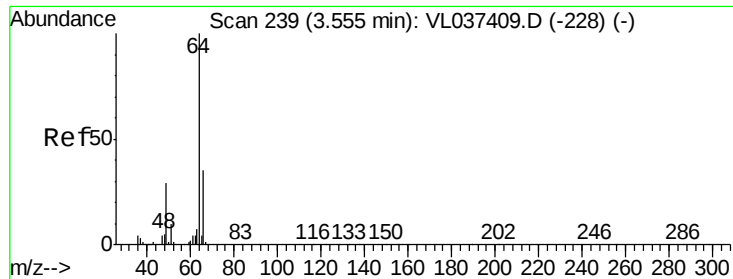
Tgt Ion: 94 Resp: 483529

Ion Ratio Lower Upper

94 100

96 95.4 72.2 108.4





#7

Chloroethane

Concen: 9.583 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 321388

Ion Ratio Lower Upper

64 100

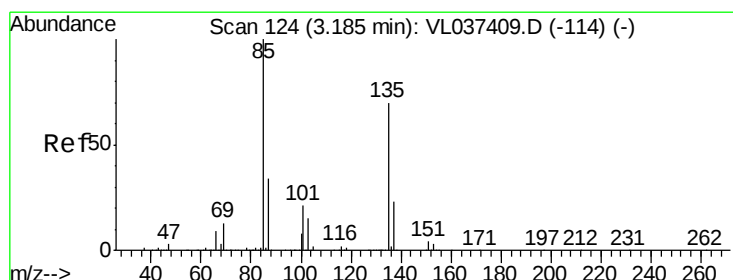
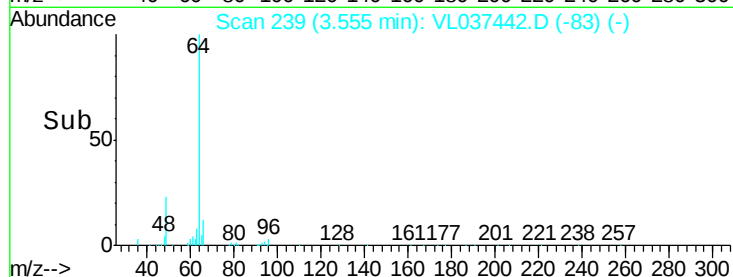
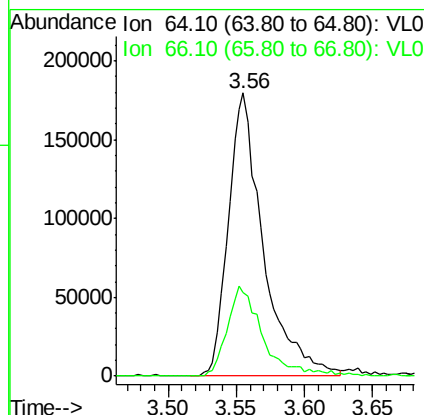
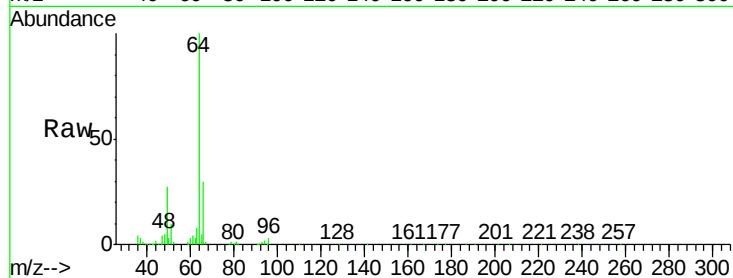
66 29.7 27.8 41.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.243 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037442.D

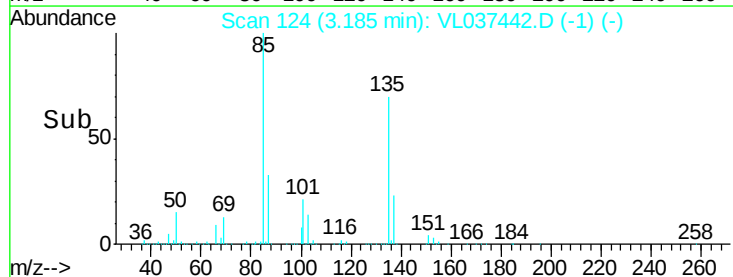
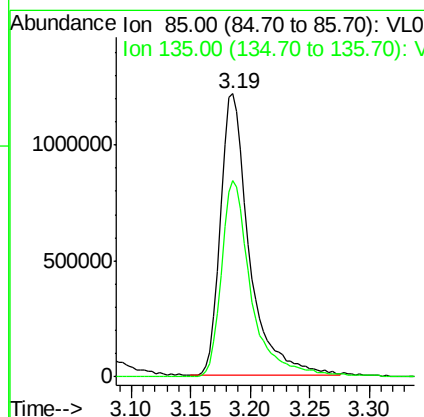
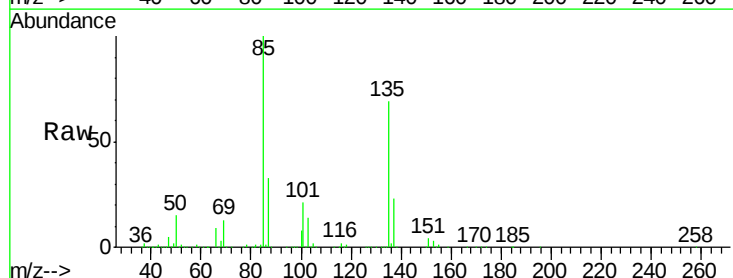
Acq: 13 Aug 2021 10:31

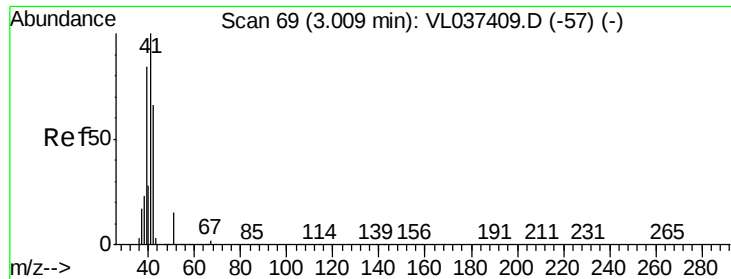
Tgt Ion: 85 Resp: 2058325

Ion Ratio Lower Upper

85 100

135 72.7 58.6 88.0





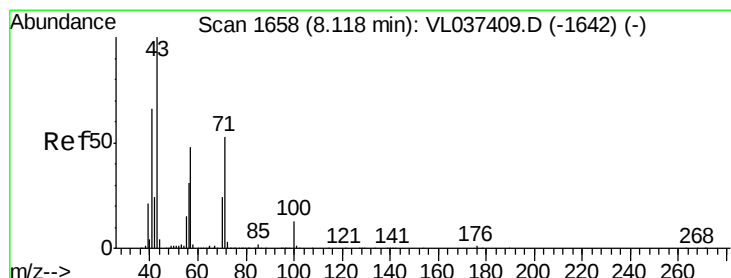
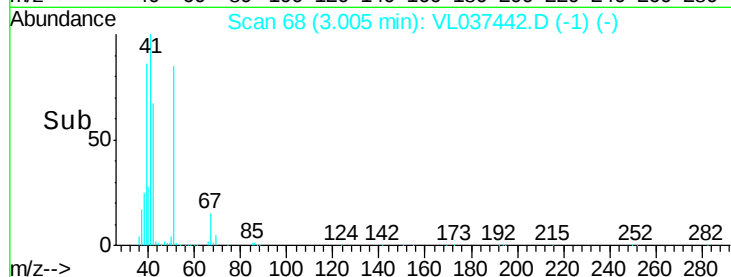
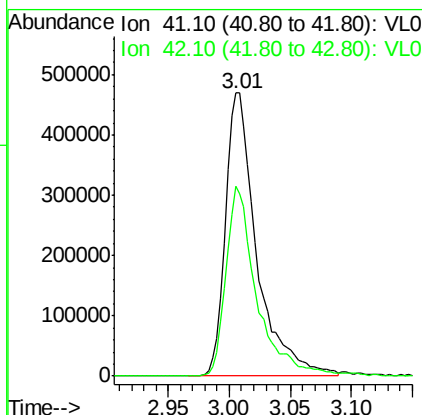
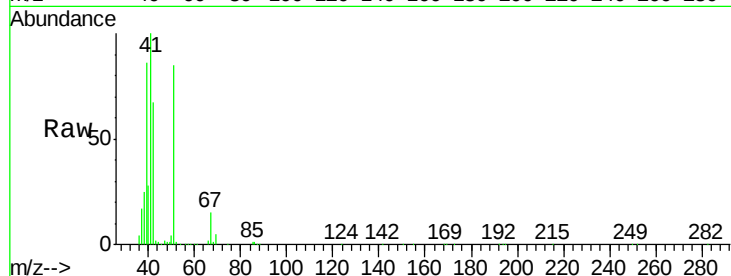
#9
 Propene
 Concen: 9.826 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 846210
 Ion Ratio Lower Upper
 41 100
 42 66.2 53.8 80.8

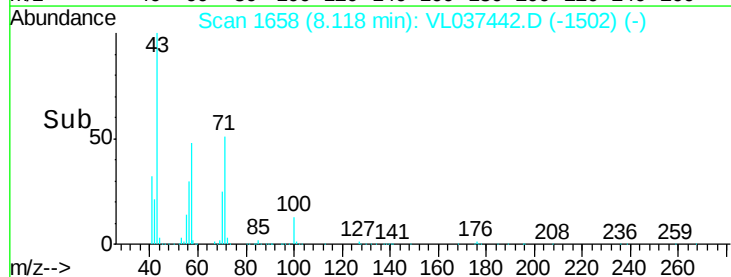
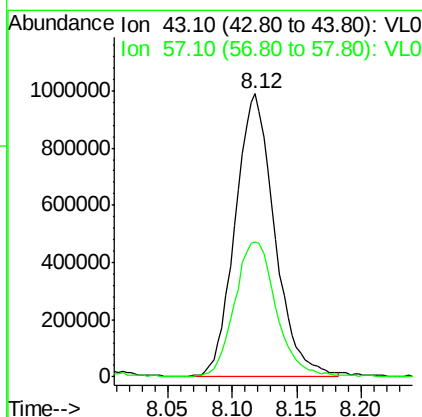
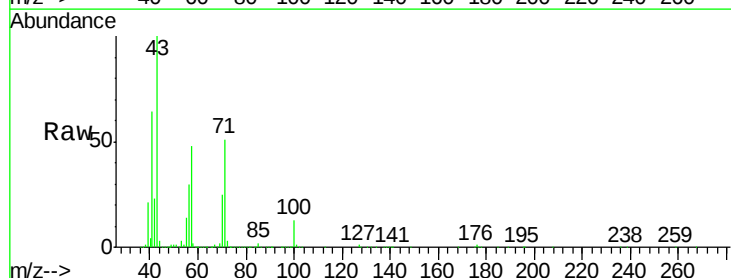
Manual Integrations
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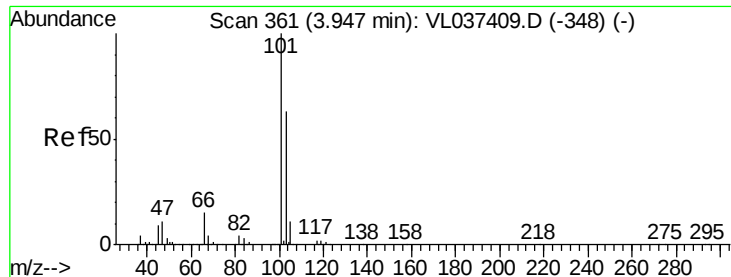
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 8/16/2021 5:03:50 PM



#10
 Heptane
 Concen: 9.968 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion: 43 Resp: 2087366
 Ion Ratio Lower Upper
 43 100
 57 50.4 40.3 60.5





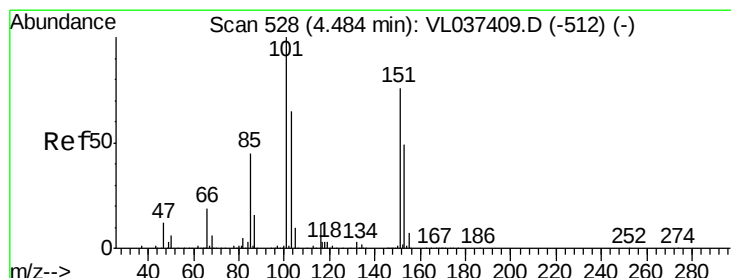
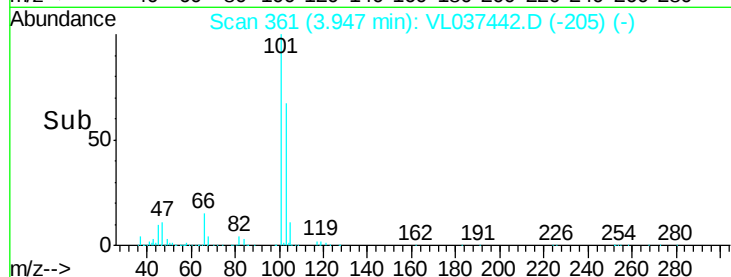
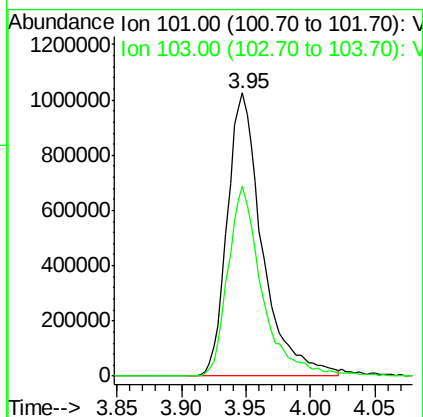
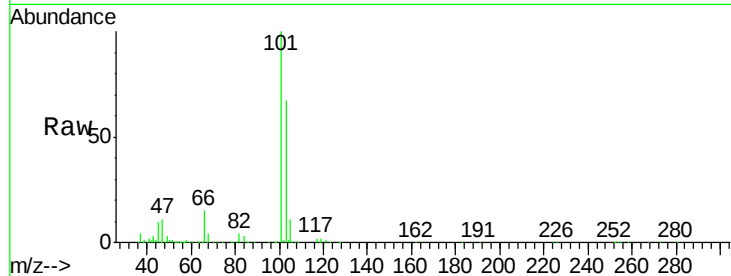
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 Trichlorofluoromethane
 Concen: 8.972 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1936931
 Ion Ratio Lower Upper
 101 100
 103 67.2 50.2 75.4

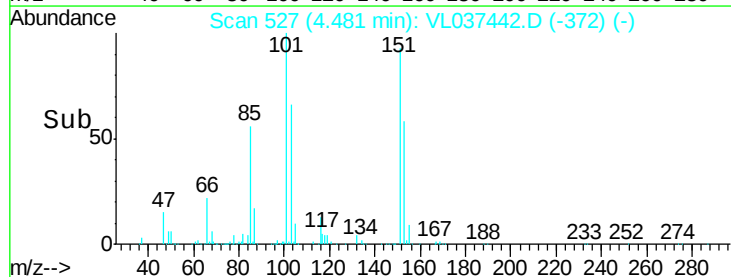
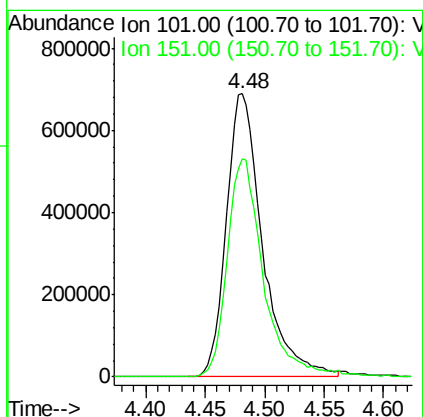
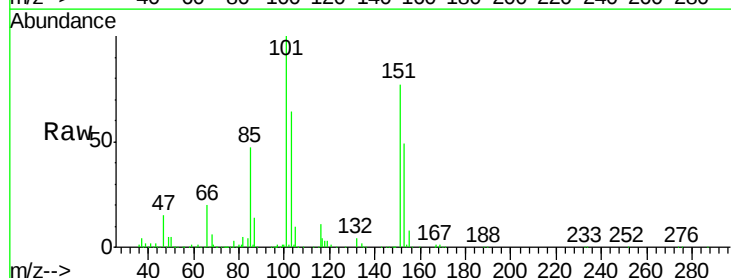
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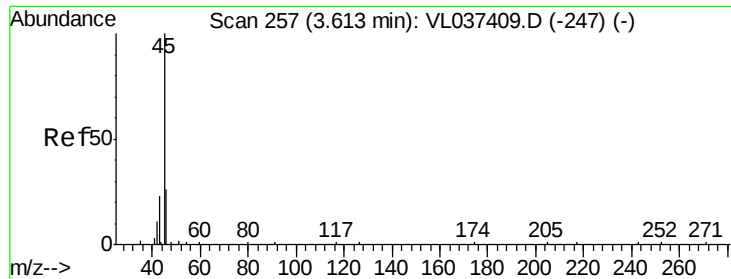
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.612 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion:101 Resp: 1453683
 Ion Ratio Lower Upper
 101 100
 151 77.5 61.2 91.8





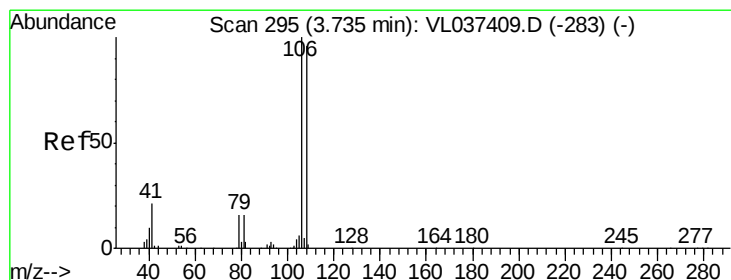
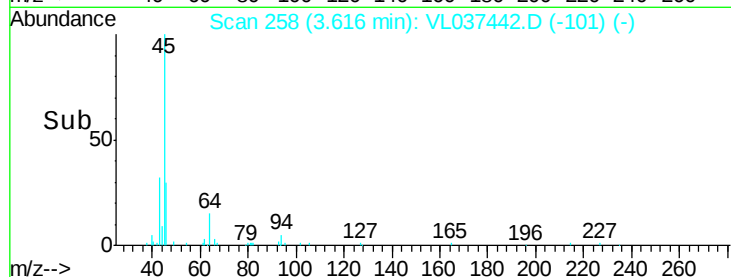
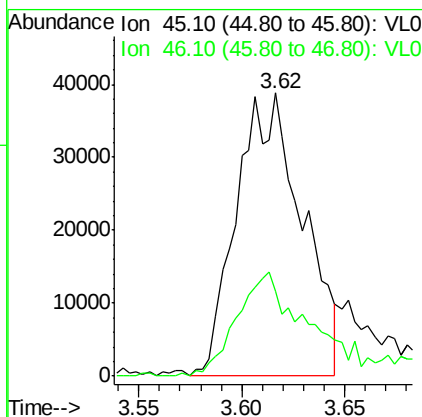
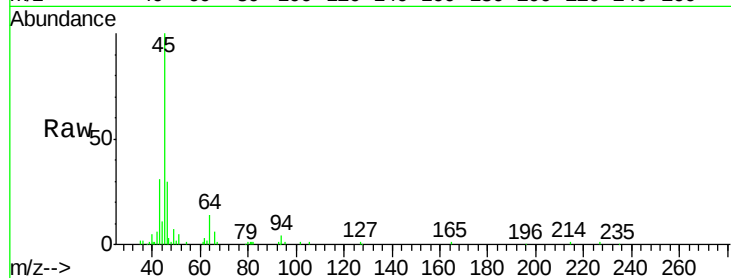
#13
Ethanol
Concen: 9.404 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	86430
Ion Ratio	100	Lower	Upper
46	39.5	18.0	72.2

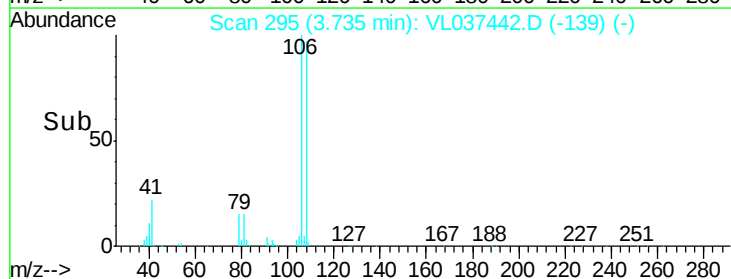
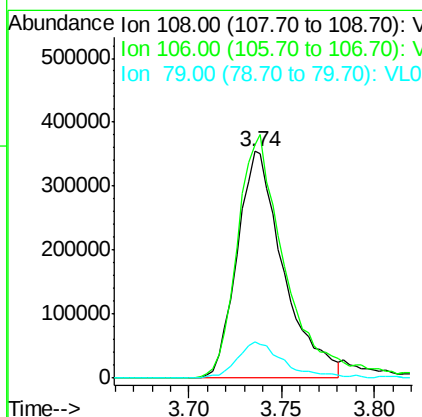
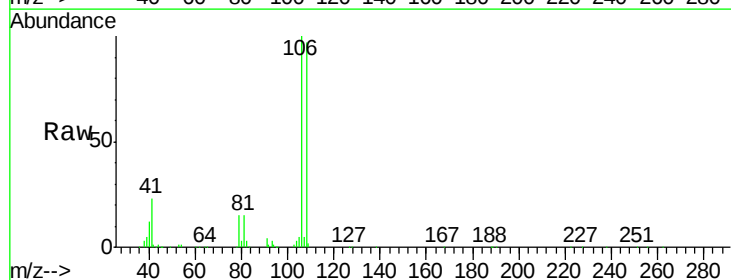
Manual Integrations
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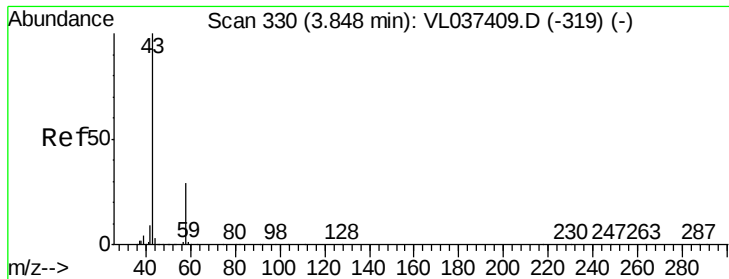
MMDadoda
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#14
Bromoethene
Concen: 9.128 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion	108	Resp	614036
Ion Ratio	100	Lower	Upper
106	114.3	87.5	131.3
79	17.1	13.5	20.3





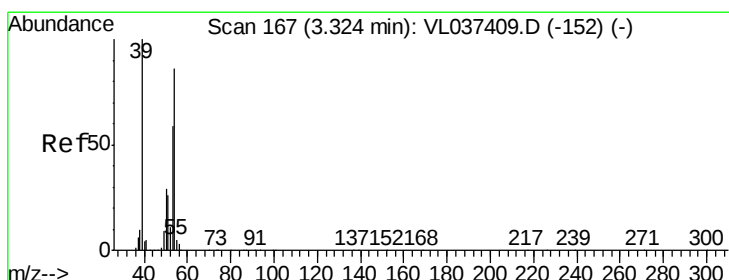
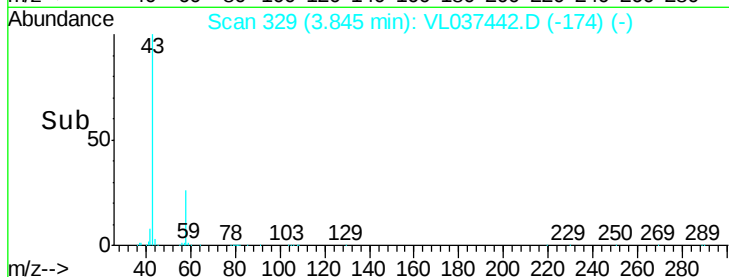
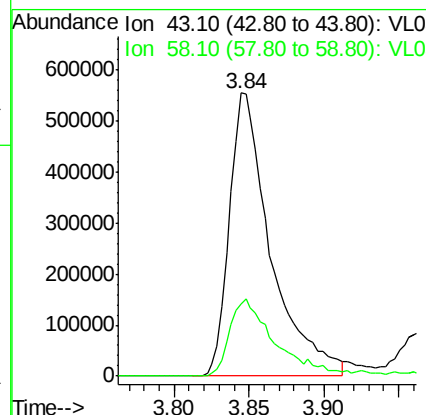
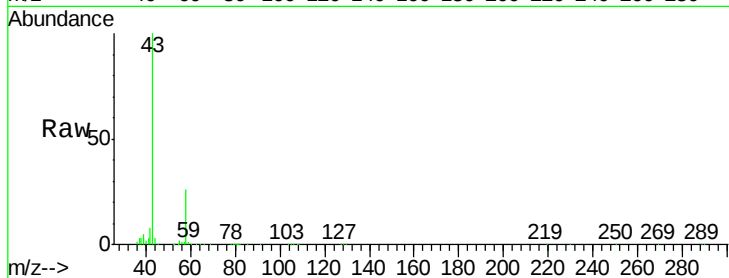
#15
Acetone
Concen: 7.705 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1067156
Ion Ratio Lower Upper
43 100
58 33.0 24.4 36.6

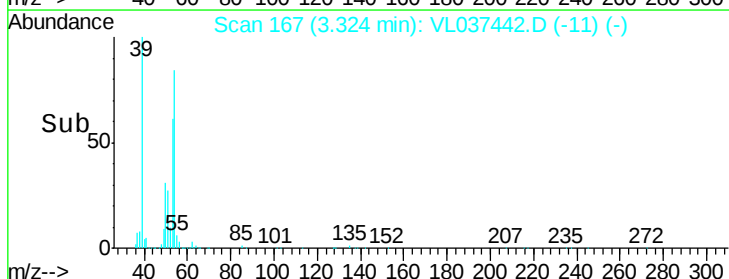
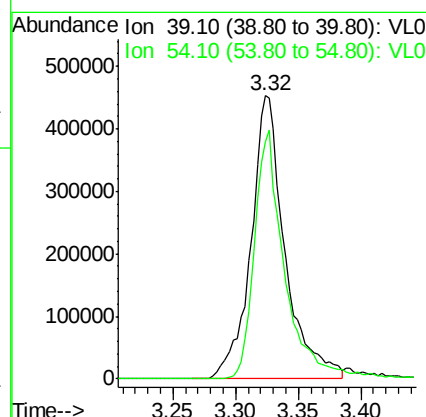
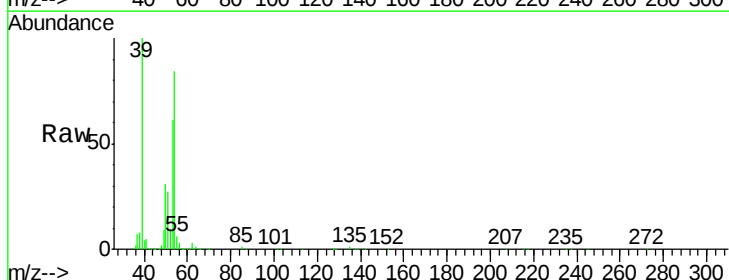
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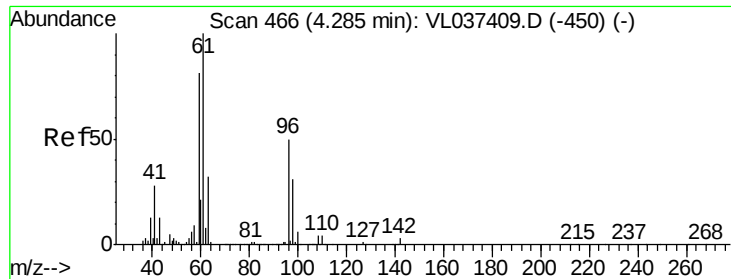
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#16
1,3-Butadiene
Concen: 9.231 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 39 Resp: 858027
Ion Ratio Lower Upper
39 100
54 78.9 61.4 92.0





#17

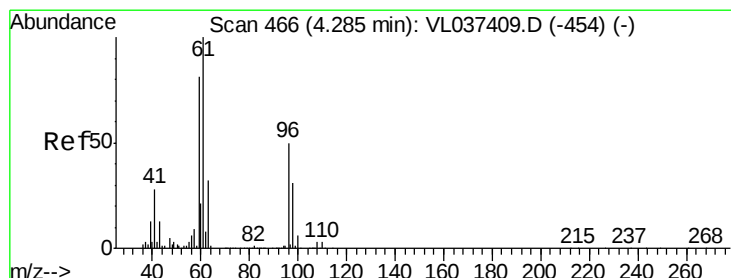
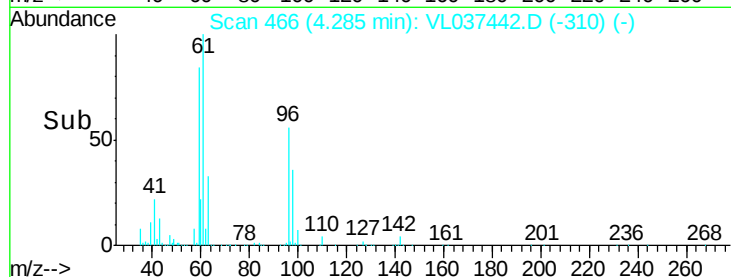
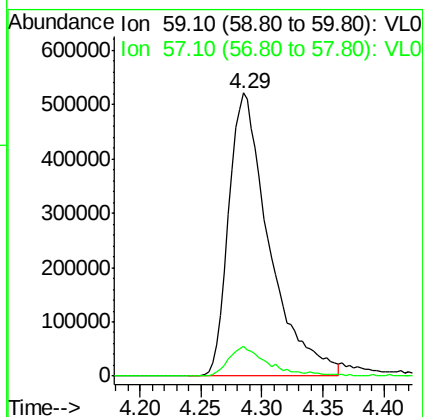
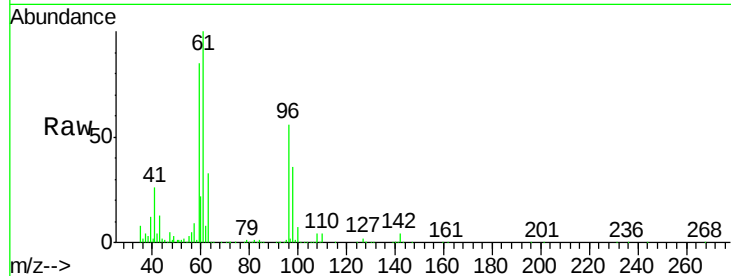
tert-Butyl alcohol
Concen: 9.150 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1209546
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

Manual Integrations
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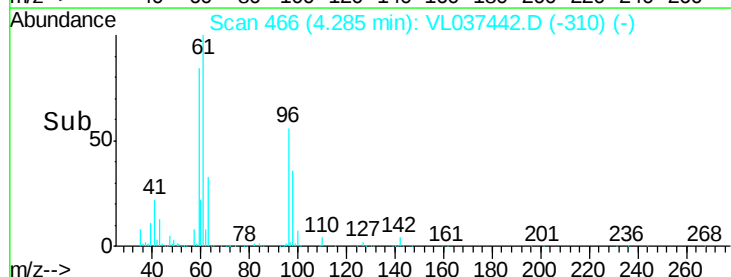
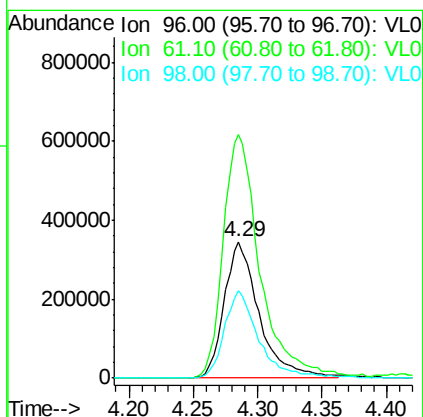
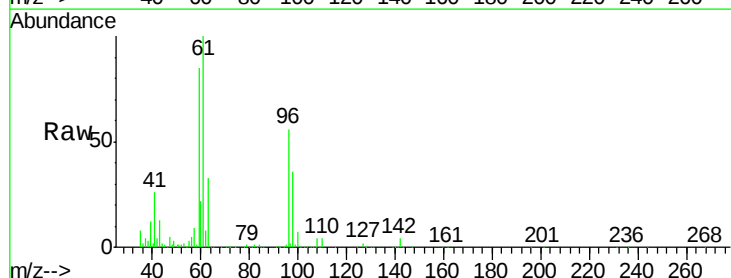
MMDadoda
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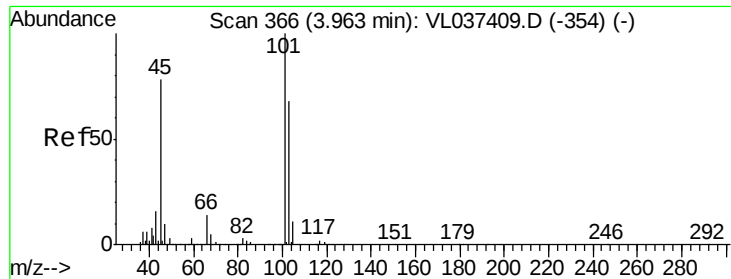


#18

1,1-Dichloroethene
Concen: 9.254 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 96 Resp: 649808
Ion Ratio Lower Upper
96 100
61 178.7 159.0 238.4
98 63.8 49.4 74.2





#19

Isopropyl Alcohol

Concen: 8.999 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 725376

Ion Ratio Lower Upper

45 100

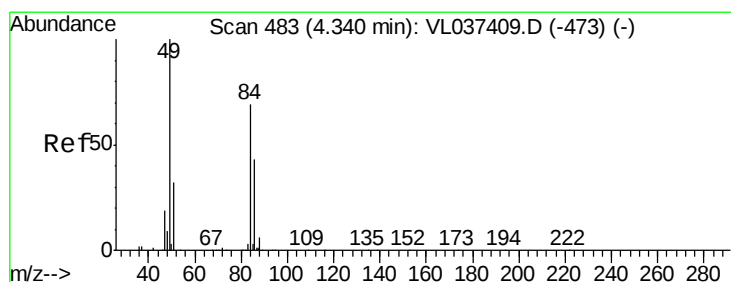
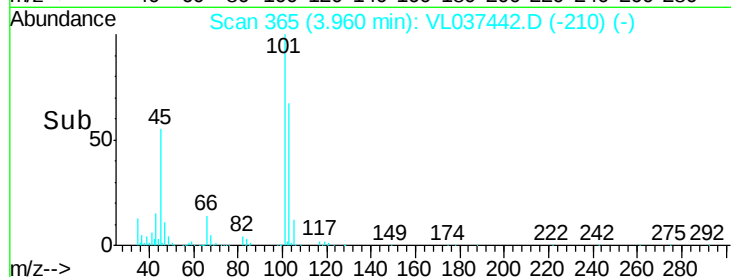
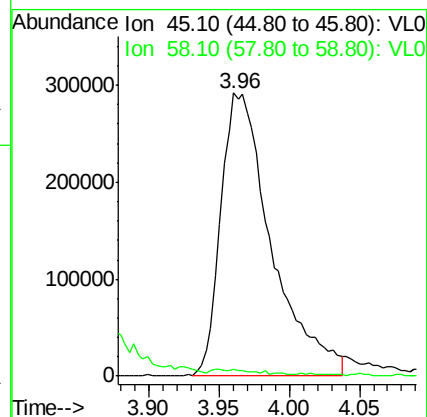
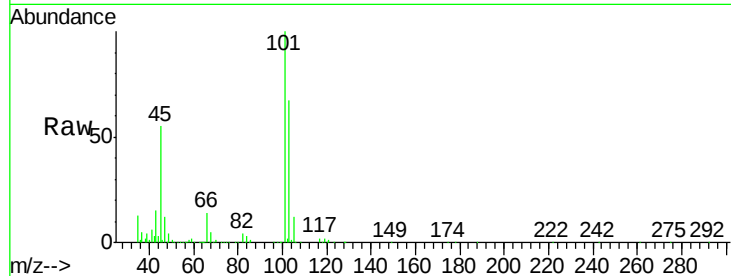
58 48.5 2.2 3.4#

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#20

Methylene Chloride

Concen: 7.979 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Tgt Ion: 84 Resp: 584352

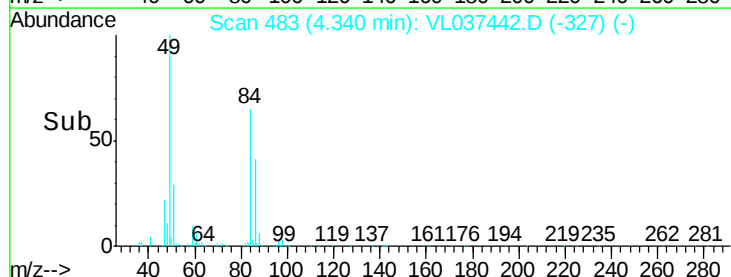
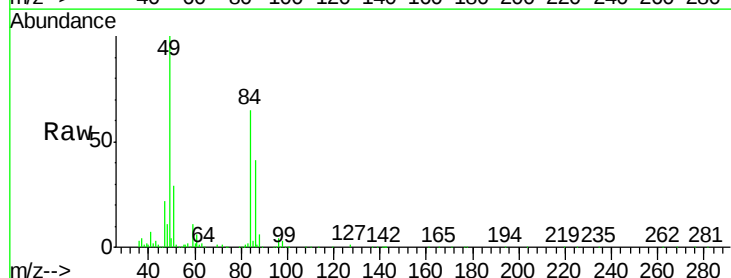
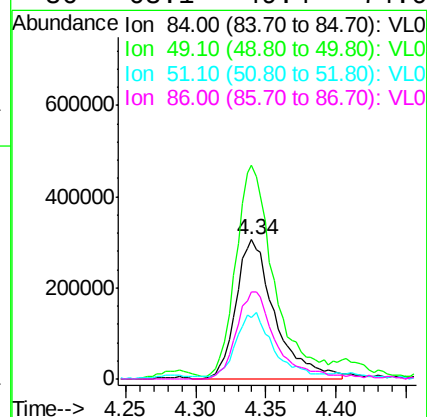
Ion Ratio Lower Upper

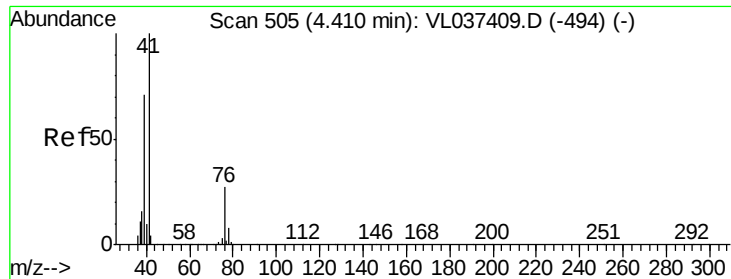
84 100

49 150.8 116.0 174.0

51 43.0 37.1 55.7

86 63.1 49.4 74.0





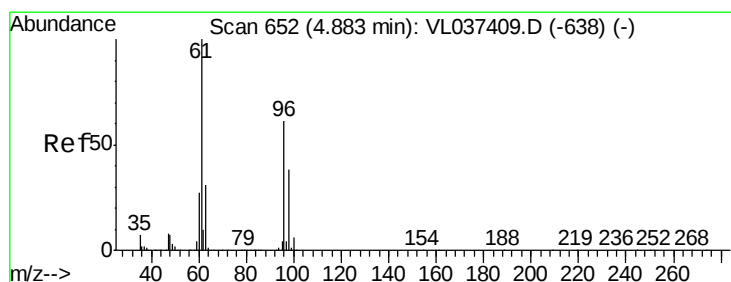
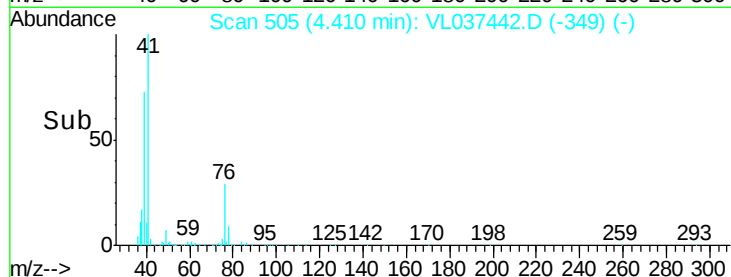
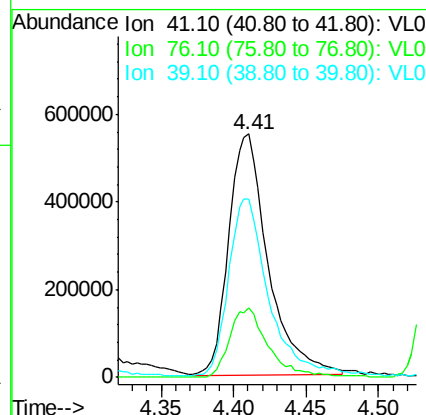
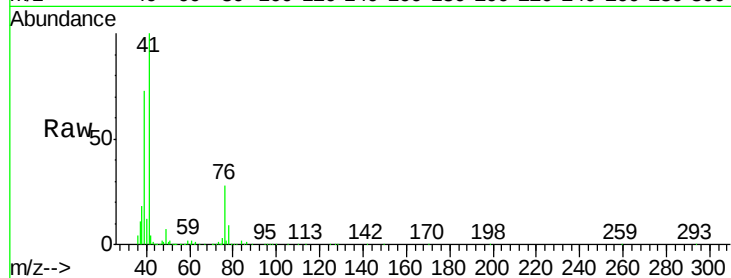
#21
Allvl Chloride
Concen: 9.632 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.5	23.7	35.5
39	75.7	62.3	93.5

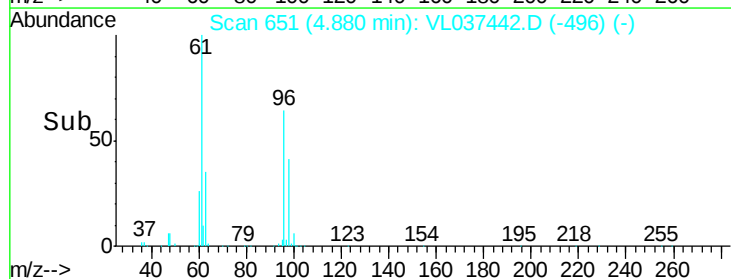
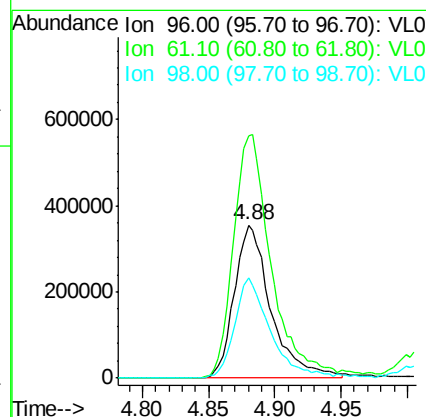
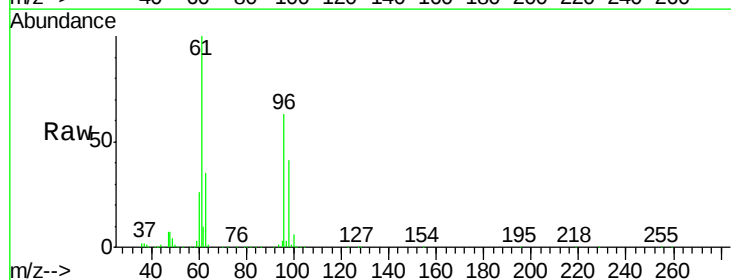
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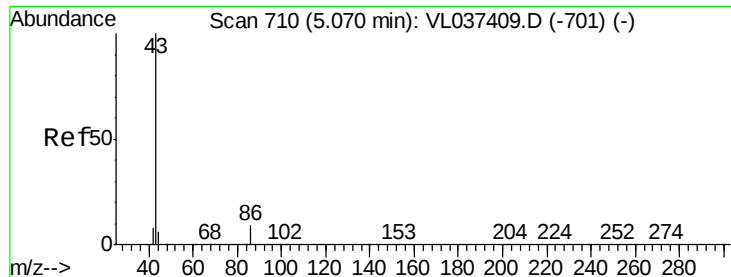
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#22
trans-1,2-Dichloroethene
Concen: 10.349 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	131.0	196.4
98	65.1	50.2	75.4





#23

Vinyl Acetate

Concen: 7.686 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Tot Ion: 43 Resp: 1633450

Ion Ratio Lower Upper

43 100

86 6.4 5.8 8.8

42 10.0 7.7 11.5

44 4.9 4.0 6.0

Instrument :

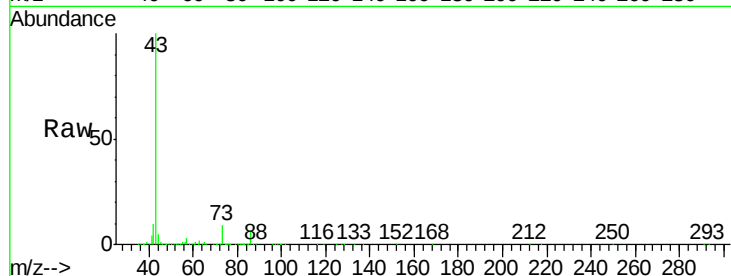
MSVOA_L

ClientSampleId :

VSTDCCC010

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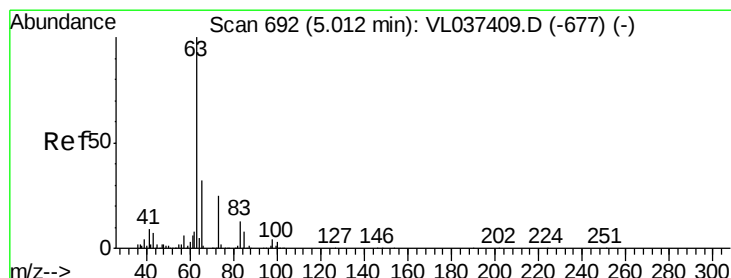
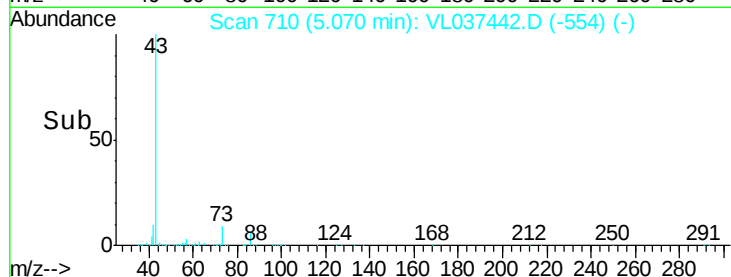
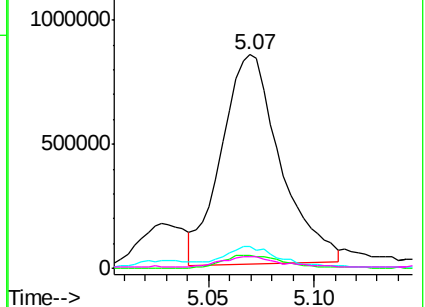


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.058 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

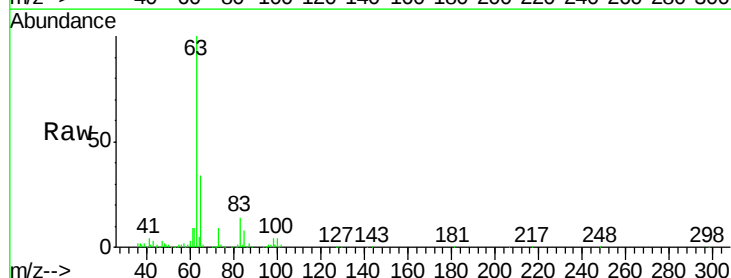
Tgt Ion: 63 Resp: 1330024

Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.3

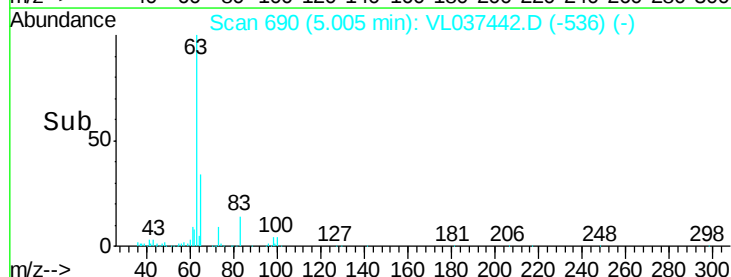
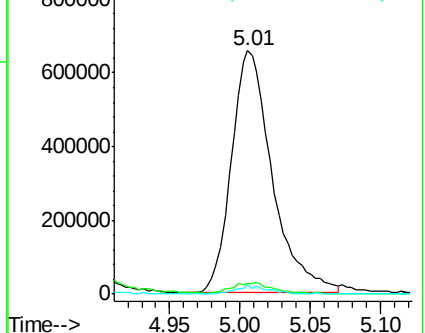
100 3.7 1.6 4.7

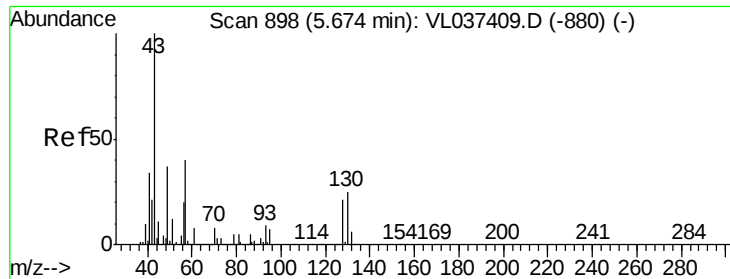


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





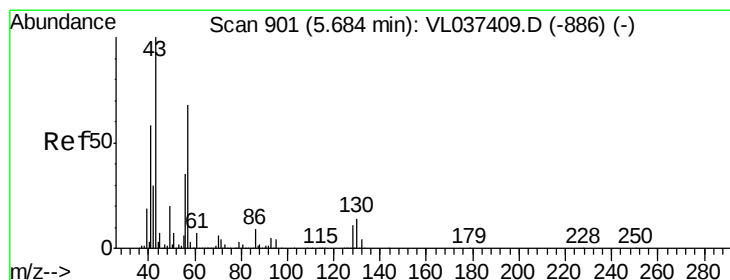
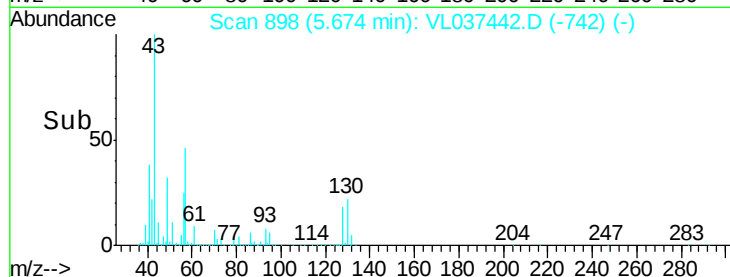
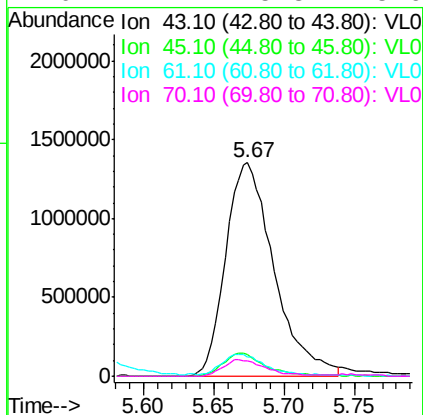
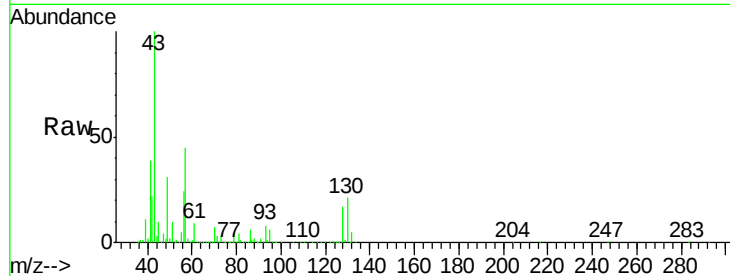
#25
Ethyl Acetate
Concen: 9.781 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	7.9	11.9	
61	10.8	7.7	11.5	
70	7.1	5.8	8.6	

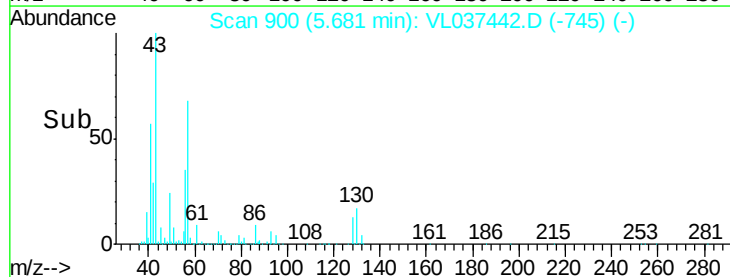
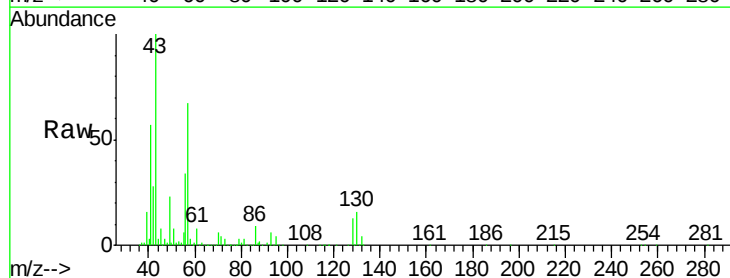
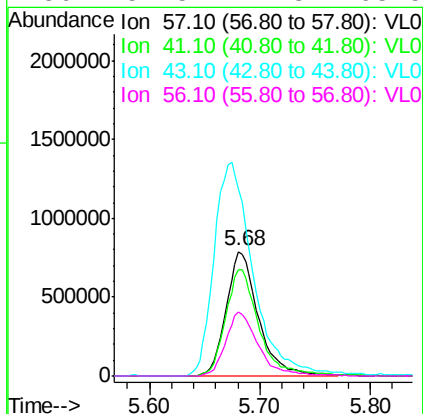
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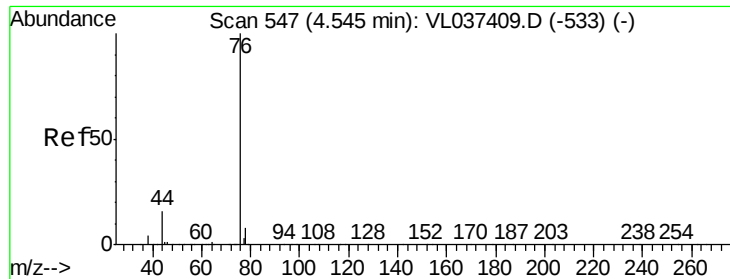
MMDadoda
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#26
Hexane
Concen: 9.380 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	89.2	72.5	108.7	
43	209.4	169.3	253.9	
56	52.5	42.3	63.5	





#27

Carbon Disulfide

Concen: 10.984 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1577409

Ion Ratio Lower Upper

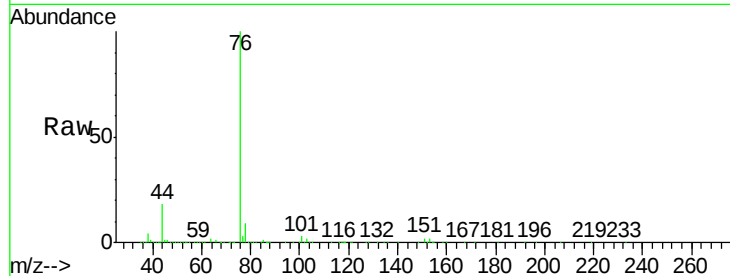
76 100

44 18.7 14.4 21.6

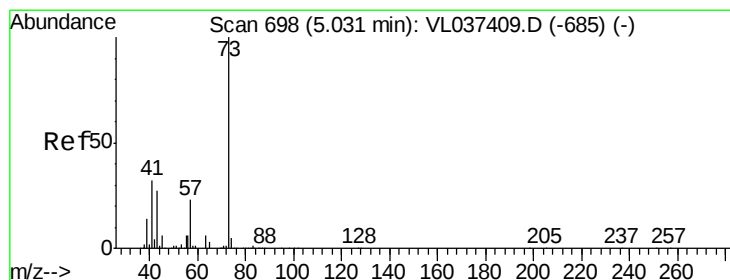
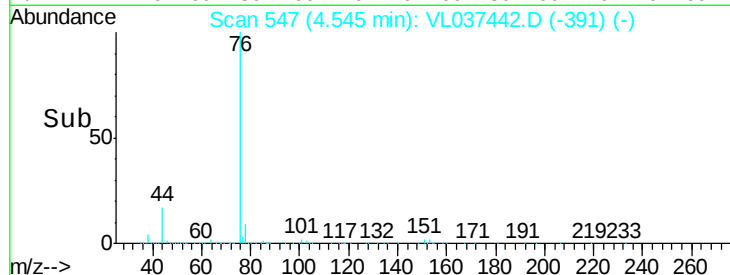
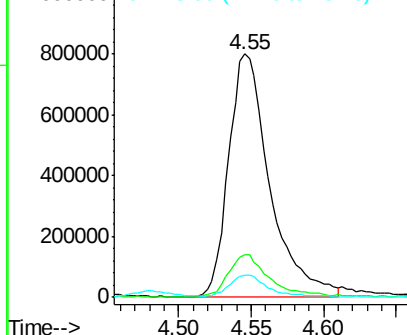
78 9.0 8.0 12.0

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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: 7.715 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL037442.D

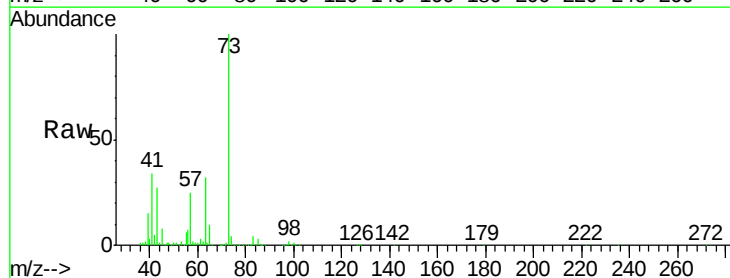
Acq: 13 Aug 2021 10:31

Tgt Ion: 73 Resp: 1406319

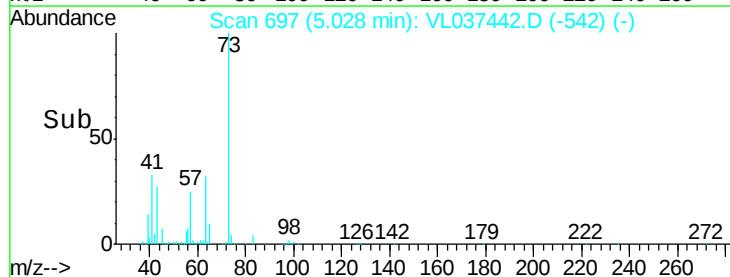
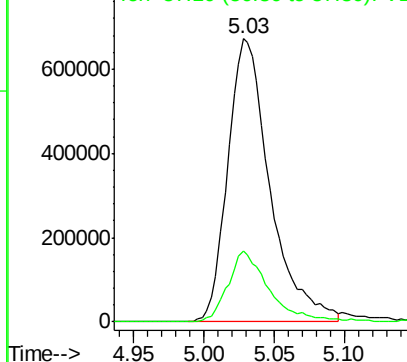
Ion Ratio Lower Upper

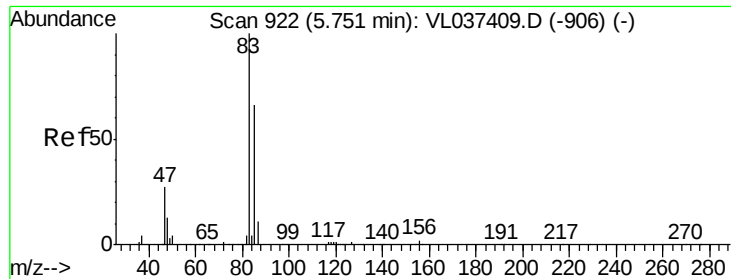
73 100

57 24.7 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





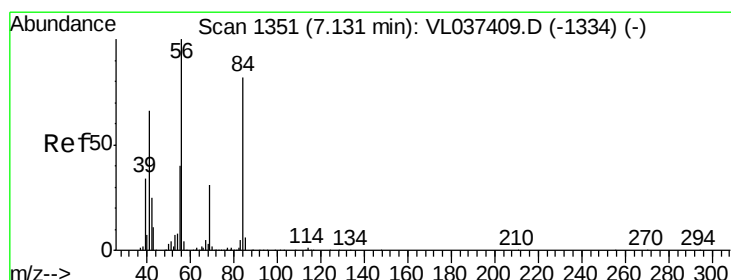
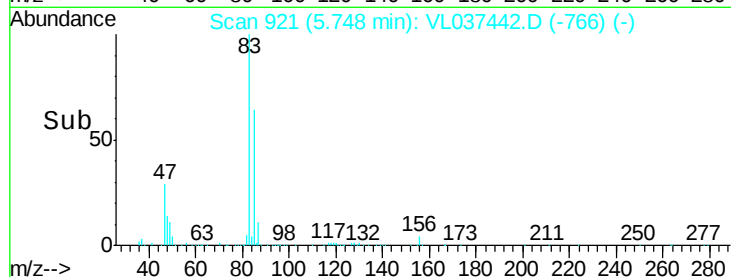
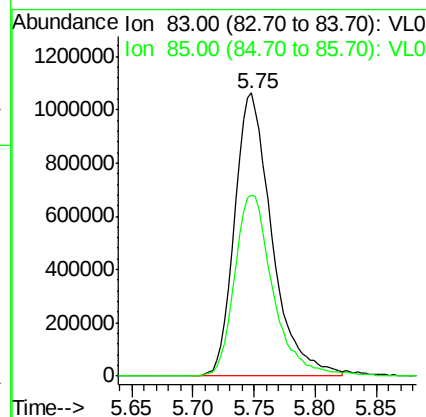
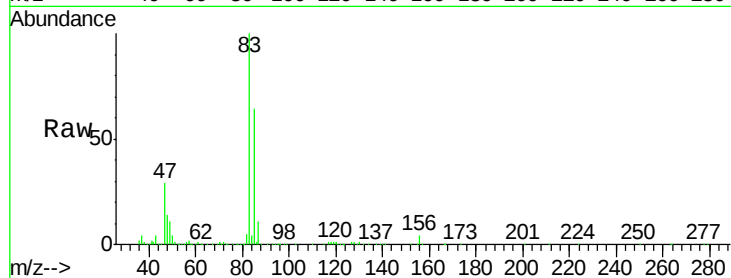
#29
Chloroform
Concen: 9.416 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2258006
Ion Ratio Lower Upper
83 100
85 63.8 52.4 78.6

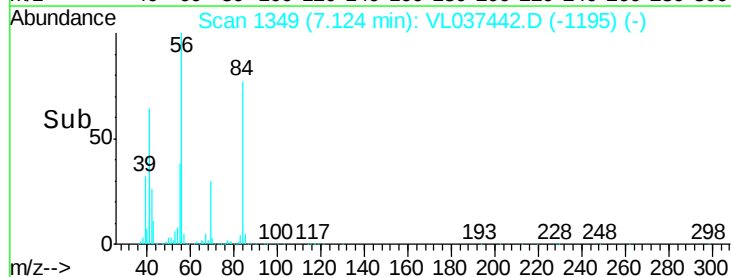
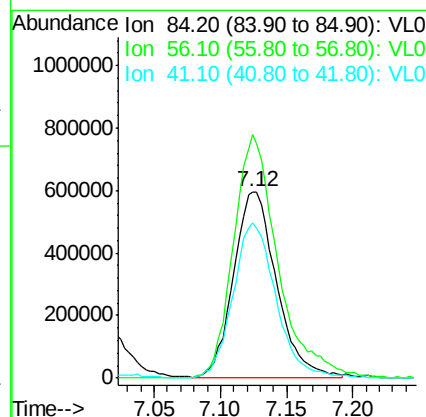
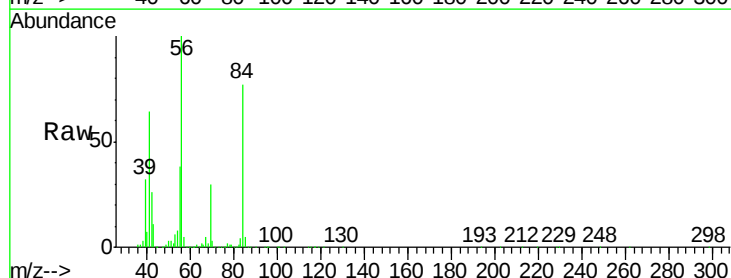
Manual Integrations
APPROVED

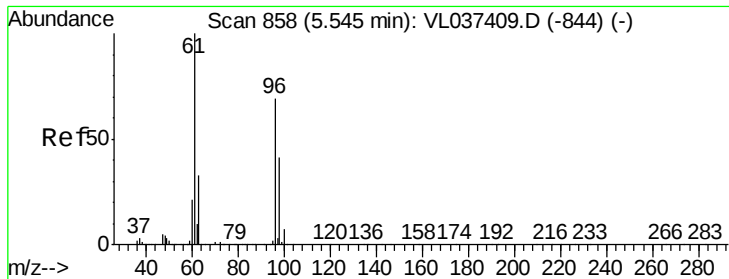
MMDadoda
8/16/2021 5:03:50 PM



#30
Cyclohexane
Concen: 9.481 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 84 Resp: 1329970
Ion Ratio Lower Upper
84 100
56 137.4 109.6 164.4
41 84.6 66.6 99.8





#31

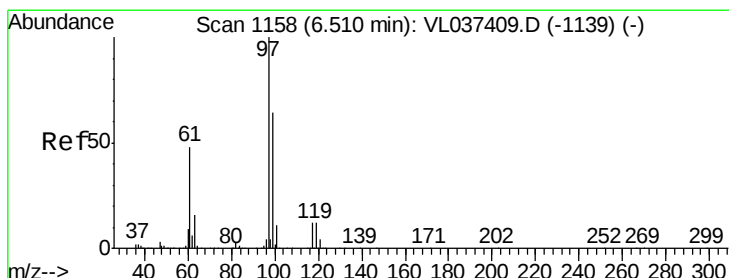
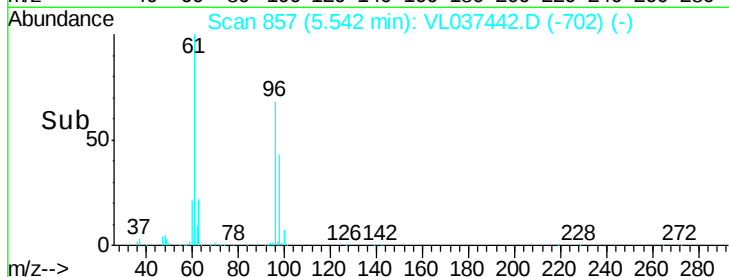
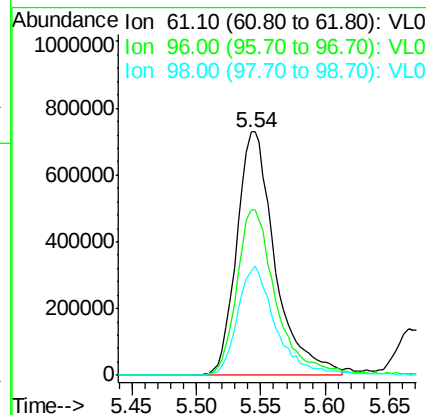
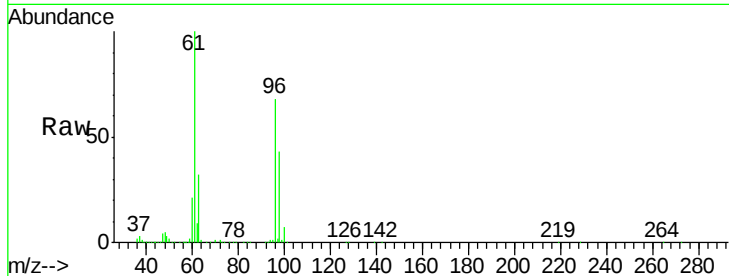
cis-1,2-Dichloroethene
Concen: 10.237 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.7	55.5	83.3
98	42.9	33.1	49.7

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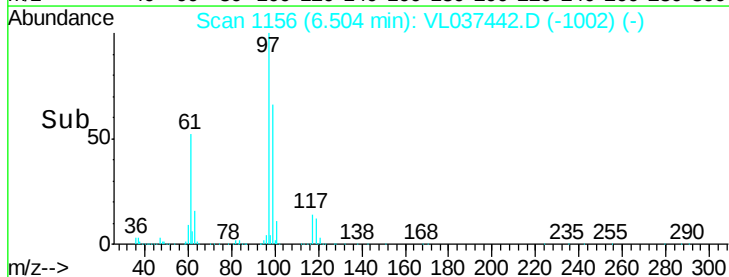
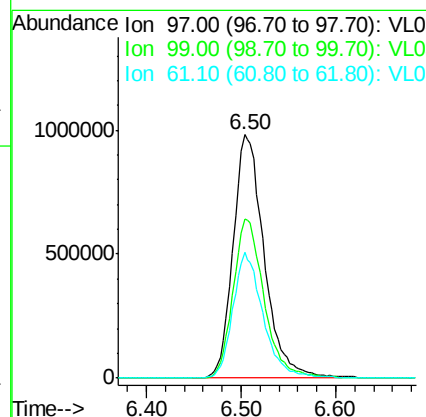
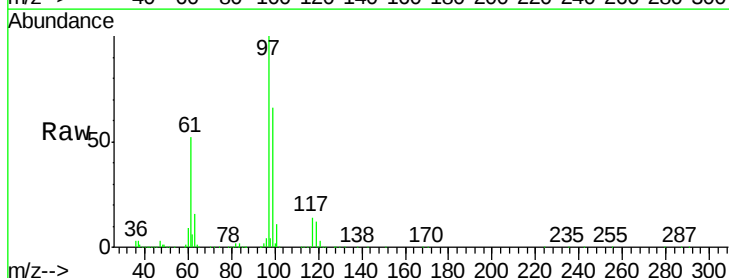
MMDadoda
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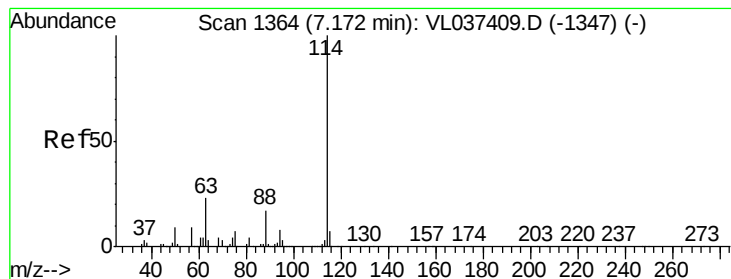


#32

1,1,1-Trichloroethane
Concen: 9.250 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	50.4	40.1	60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:114 Resp: 3951830

Ion Ratio Lower Upper

114 100

63 24.2 19.4 29.2

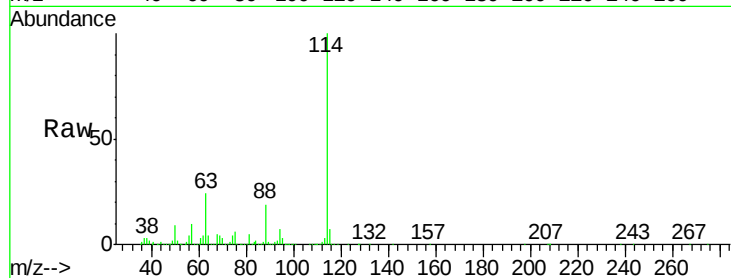
88 17.8 14.2 21.4

Manual Integrations

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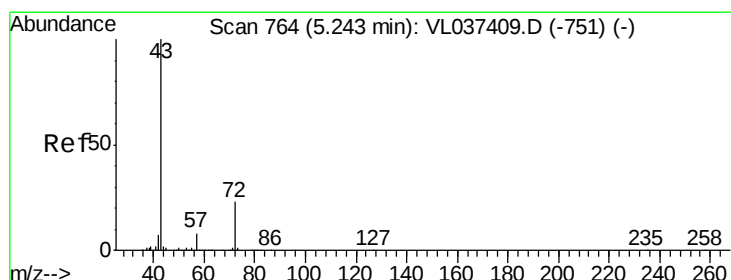
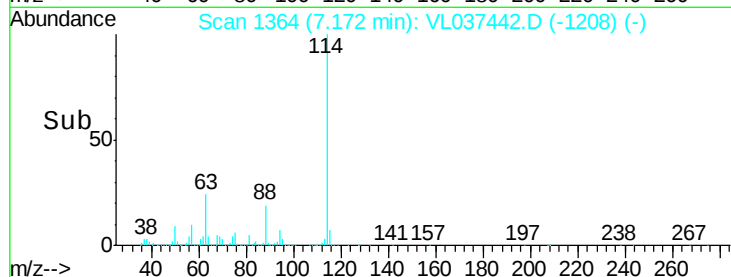


Abundance Ion 114.10 (113.80 to 114.80): VL037409.D (-1347) (-)

Ion 63.10 (62.80 to 63.80): VL037409.D (-1347) (-)

Ion 88.10 (87.80 to 88.80): VL037409.D (-1347) (-)

Time-->



#34

2-Butanone

Concen: 8.594 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL037442.D

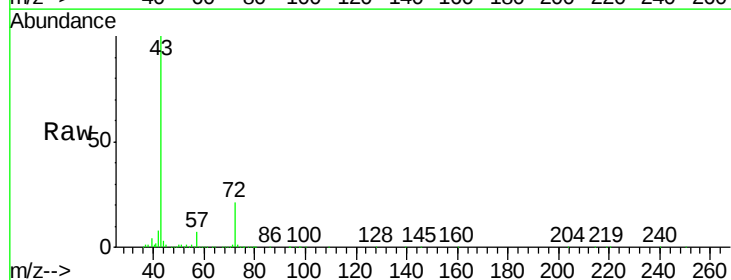
Acq: 13 Aug 2021 10:31

Tgt Ion: 43 Resp: 1402195

Ion Ratio Lower Upper

43 100

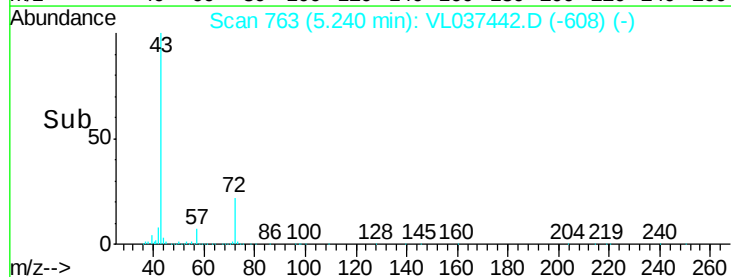
72 23.7 17.7 26.5

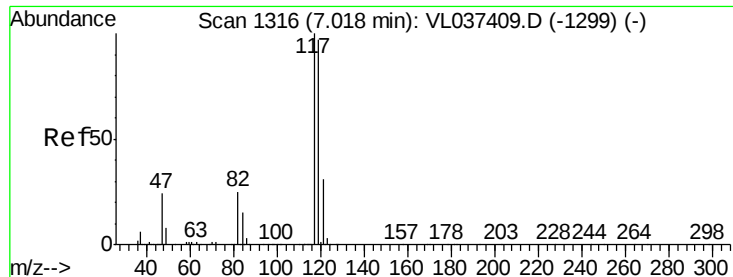


Abundance Ion 43.10 (42.80 to 43.80): VL037409.D (-751) (-)

Ion 72.10 (71.80 to 72.80): VL037409.D (-751) (-)

Time-->





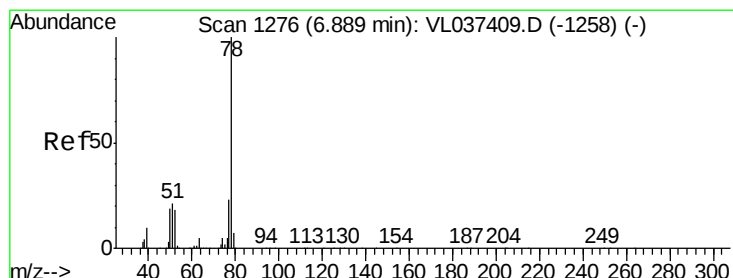
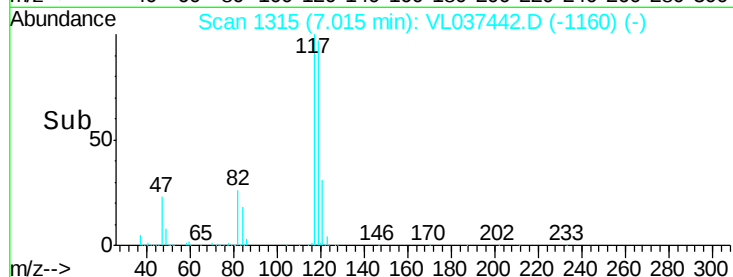
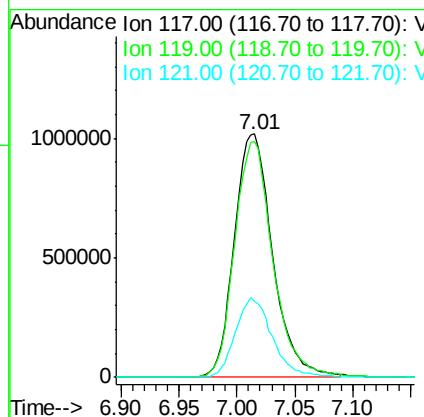
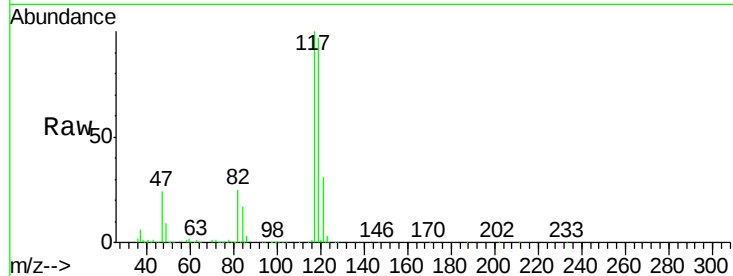
#35
Carbon Tetrachloride
Concen: 9.610 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	31.3	24.7	37.1

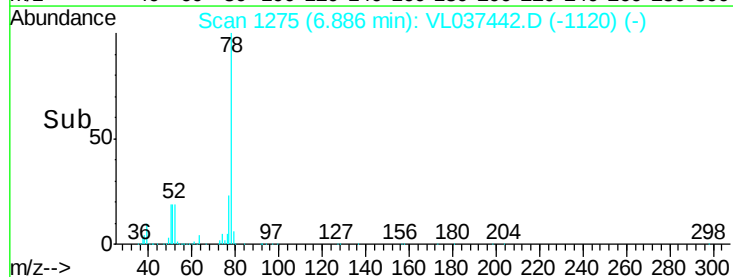
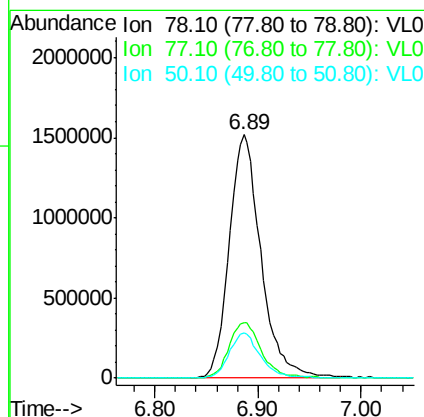
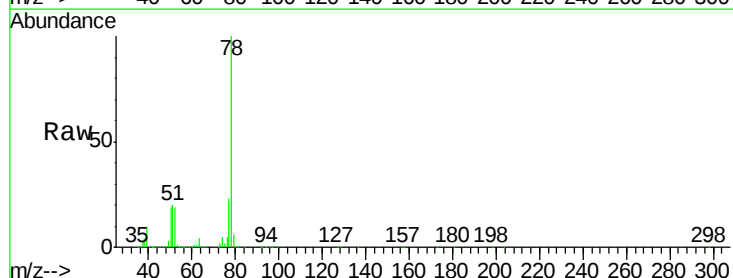
Manual Integrations
APPROVED

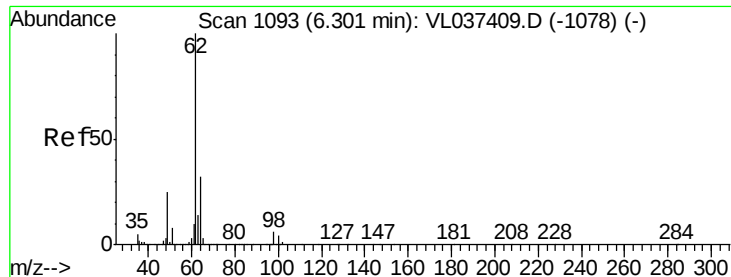
MMDadoda
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#36
Benzene
Concen: 9.806 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	27.8
50	18.6	14.9	22.3





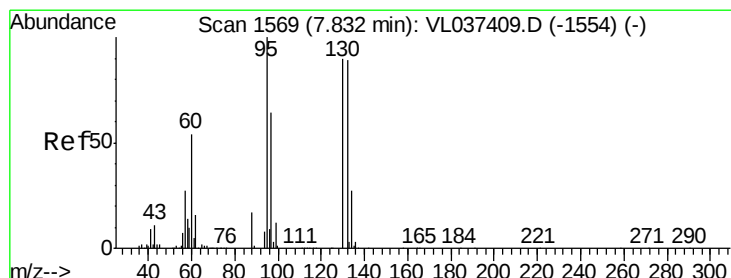
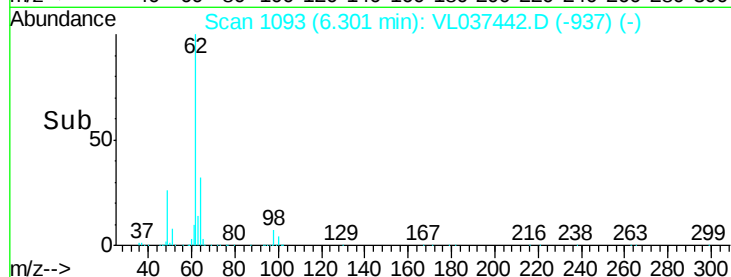
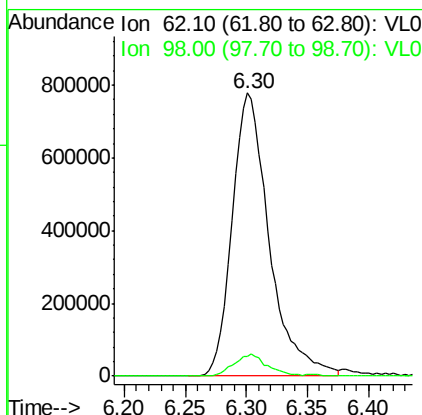
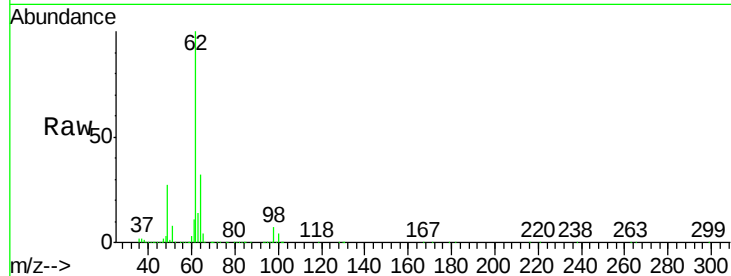
#37
 1,2-Dichloroethane
 Concen: 9.666 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1643718
 Ion Ratio Lower Upper
 62 100
 98 7.3 5.4 8.2

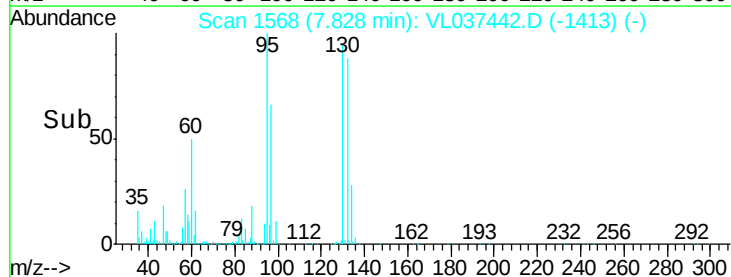
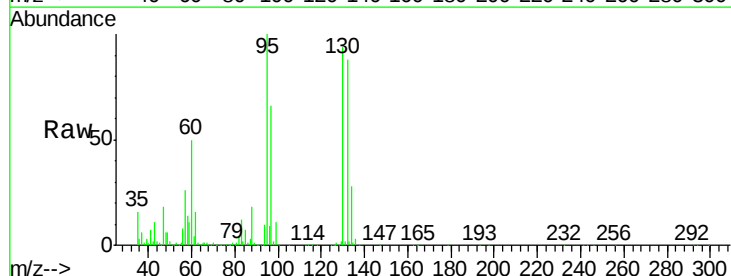
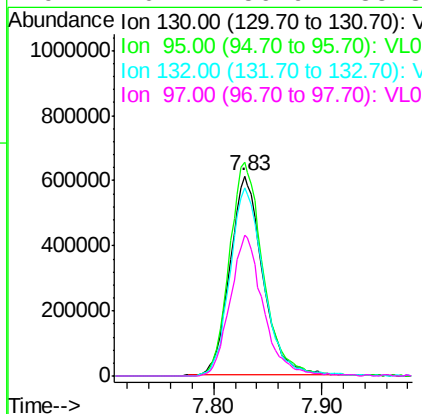
Manual Integrations
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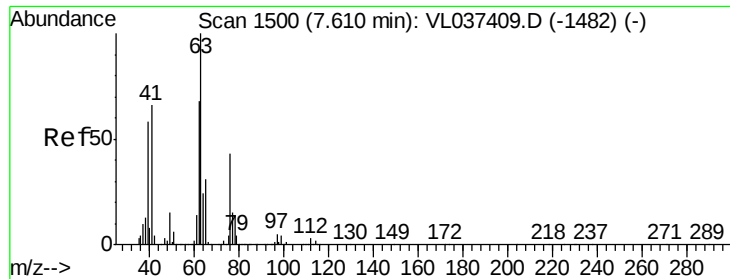
MMDadoda
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#38
 Trichloroethene
 Concen: 8.848 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion: 130 Resp: 1301355
 Ion Ratio Lower Upper
 130 100
 95 107.0 88.6 132.8
 132 94.0 79.2 118.8
 97 70.4 56.9 85.3





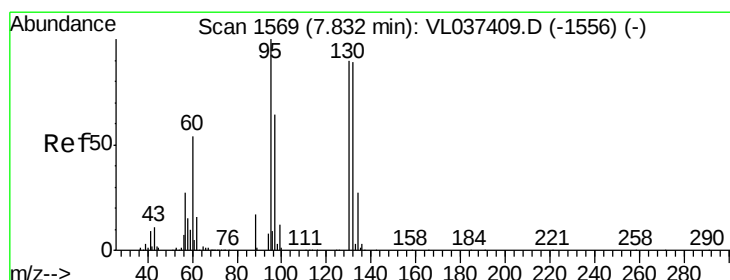
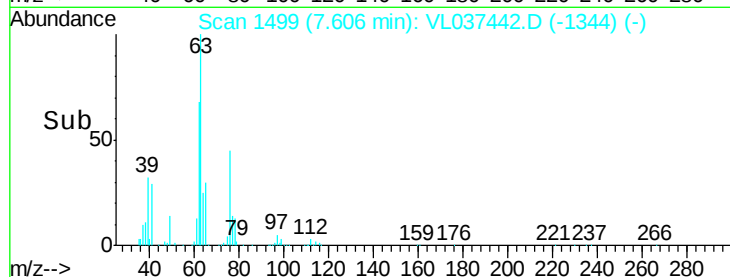
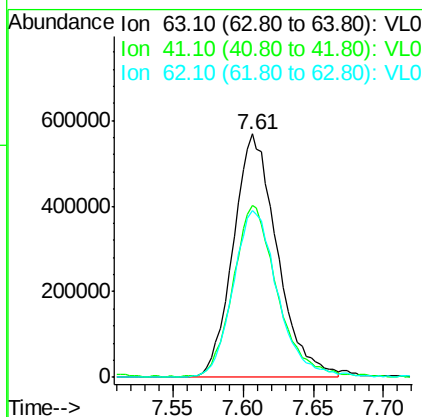
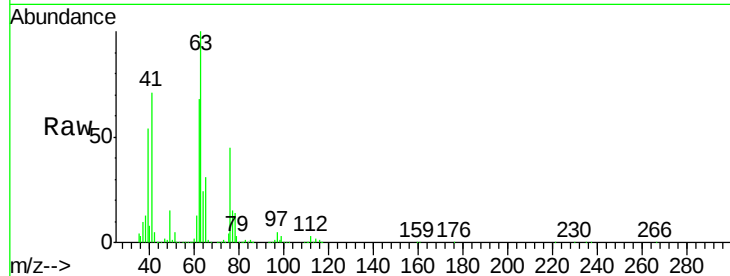
#39
 1,2-Dichloropropane
 Concen: 9.722 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.4	53.0	79.6
62	68.2	54.5	81.7

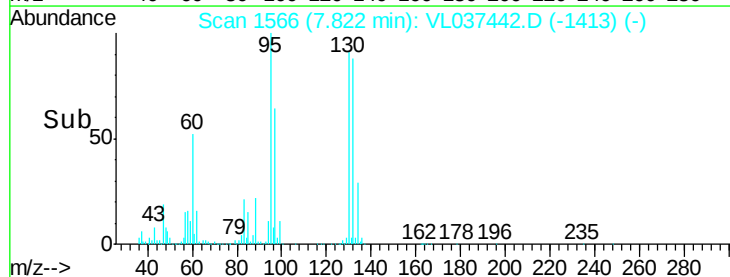
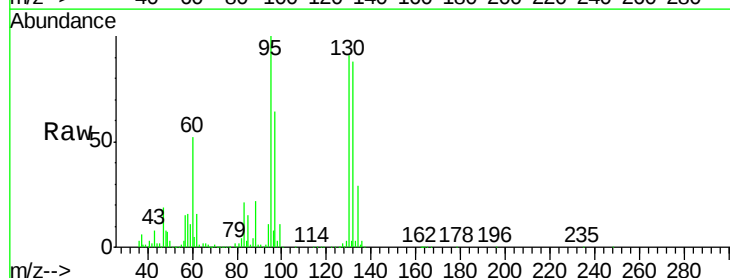
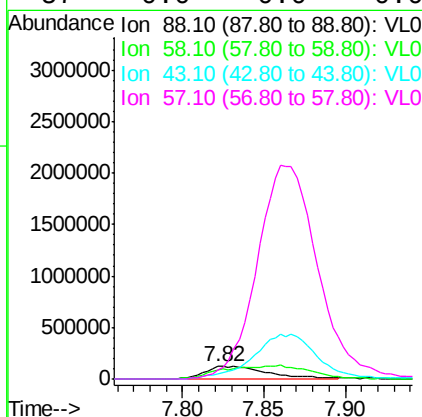
Manual Integrations
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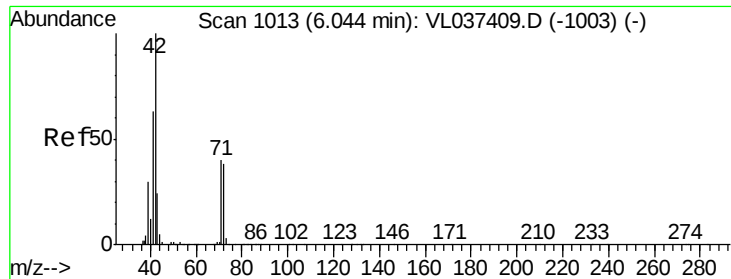
MMDadoda
 8/16/2021 5:03:50 PM



#40
 1,4-Dioxane
 Concen: 10.589 ppbv m
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





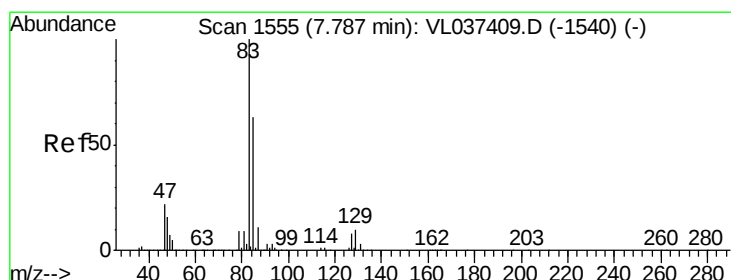
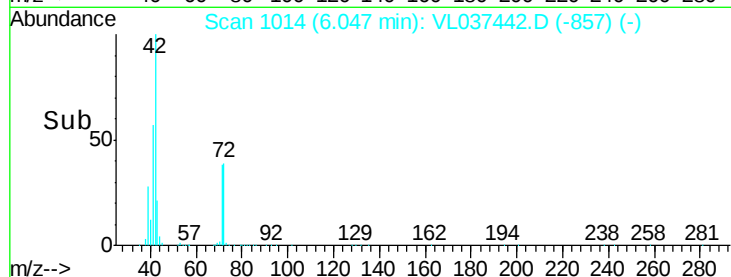
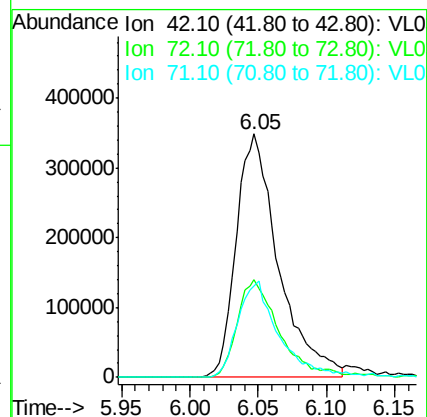
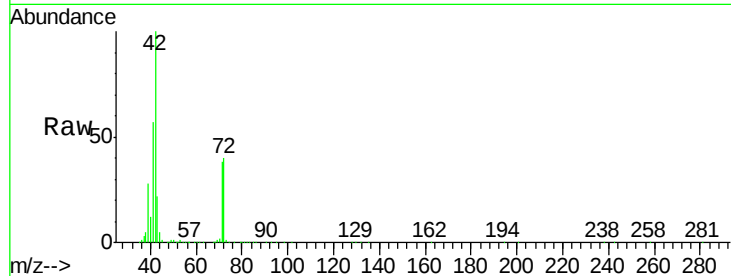
#41
Tetrahydrofuran
Concen: 10.021 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.5	50.3
71	38.9	32.6	48.8

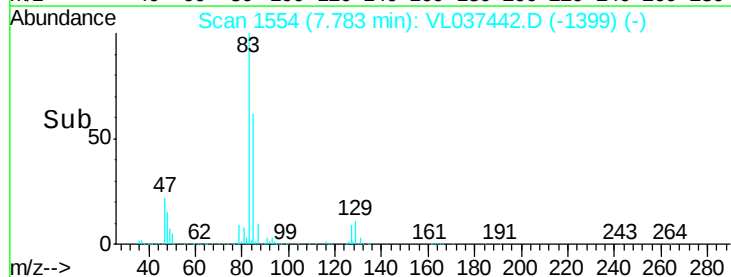
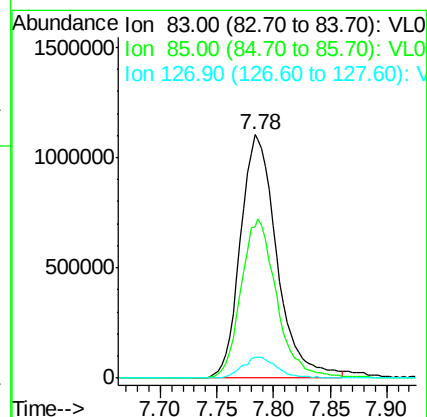
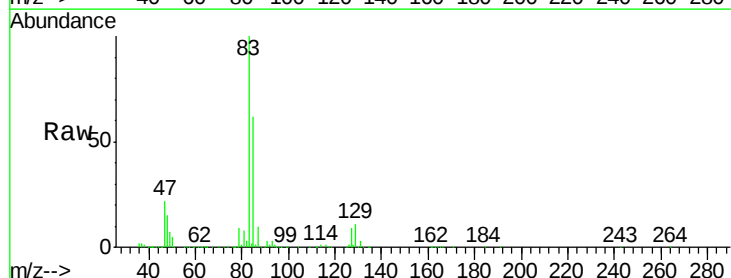
Manual Integrations
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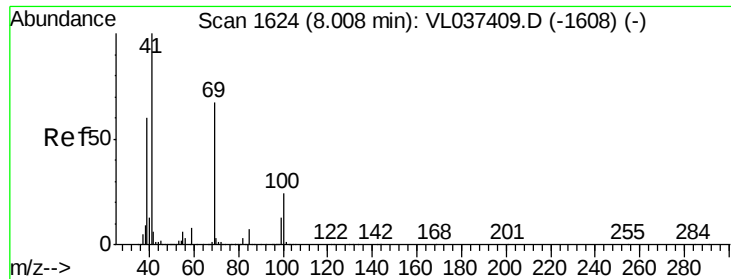
MMDadoda
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#42
Bromodichloromethane
Concen: 10.409 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.2	75.2
127	8.6	6.6	9.8





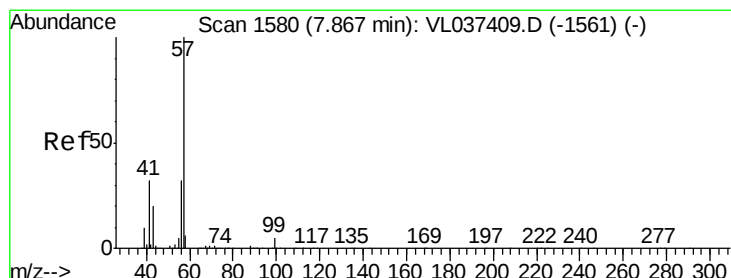
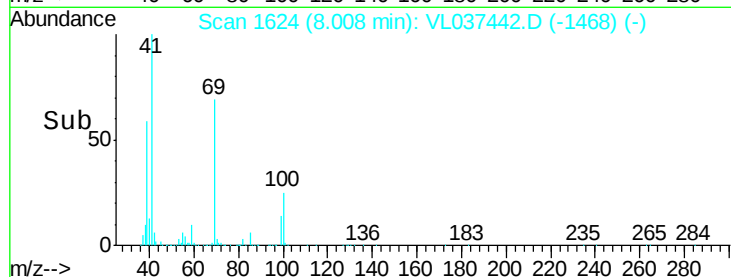
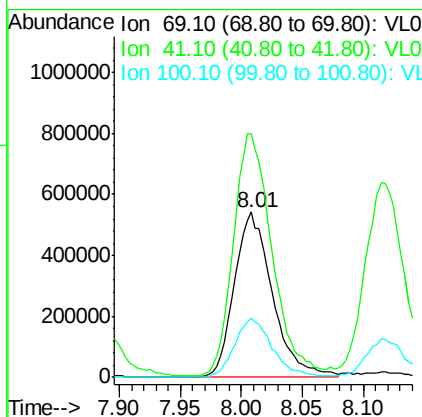
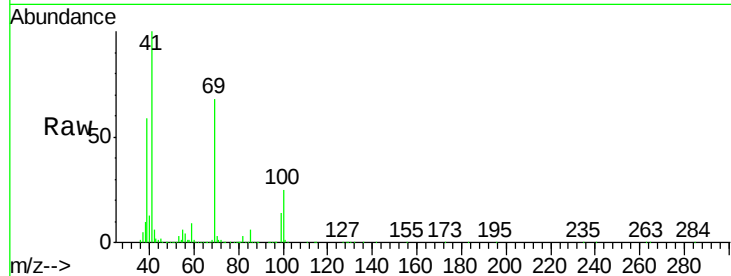
#43
Methvl Methacrilate
Concen: 10.360 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1170040
Ion Ratio Lower Upper
69 100
41 150.2 118.1 177.1
100 35.5 27.6 41.4

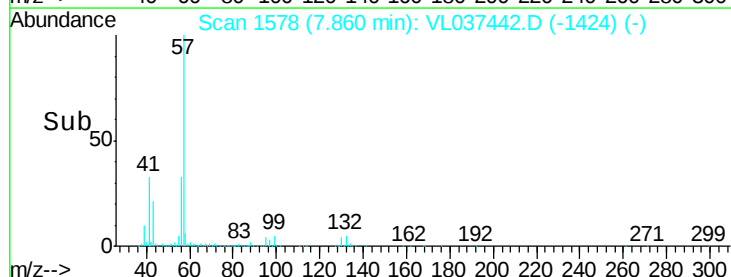
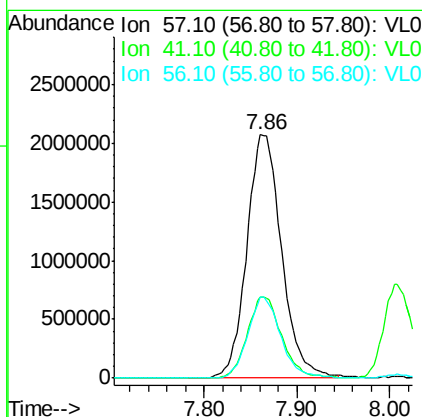
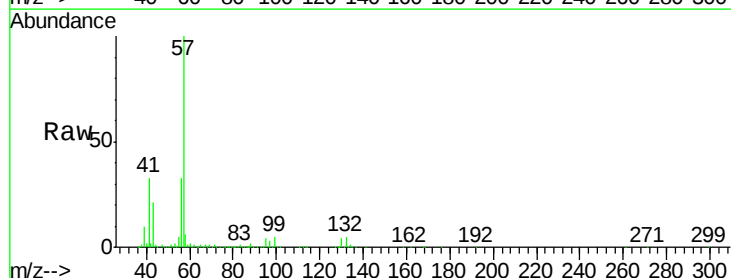
Manual Integrations
APPROVED

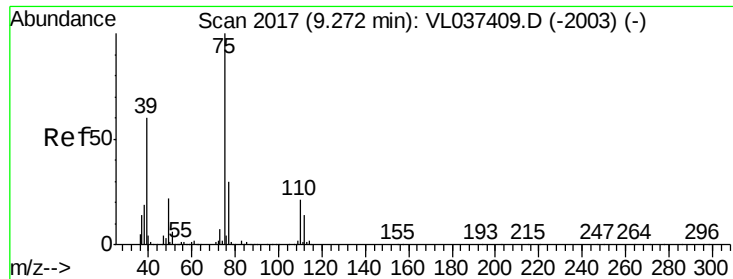
MMDadoda
8/16/2021 5:03:50 PM



#44
2,2,4-Trimethylpentane
Concen: 9.679 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 57 Resp: 5392547
Ion Ratio Lower Upper
57 100
41 32.7 26.4 39.6
56 31.6 25.0 37.4





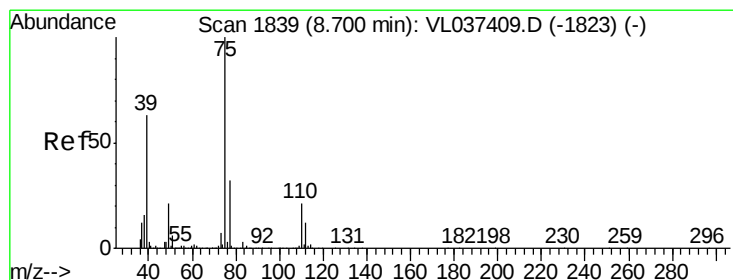
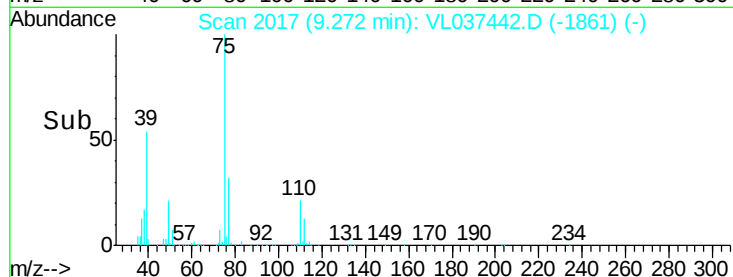
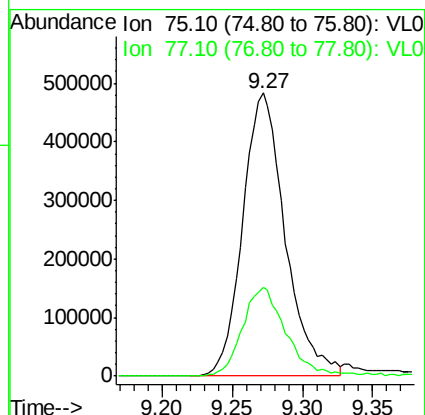
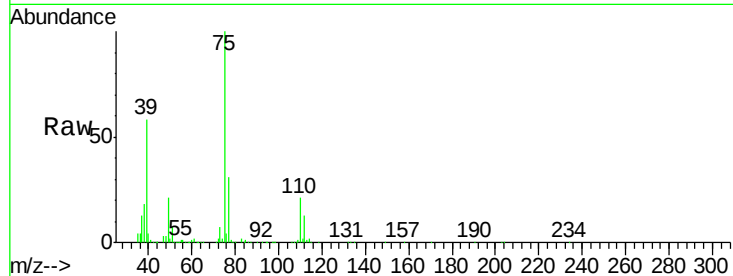
#45
 t-1,3-Dichloropropene
 Concen: 12.159 ppbv
 RT: 9.27 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 75 Resp: 1020407
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.2 36.2

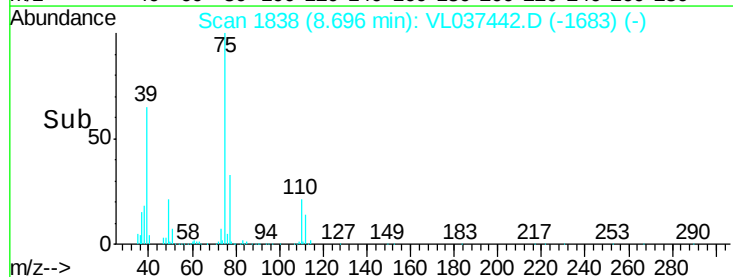
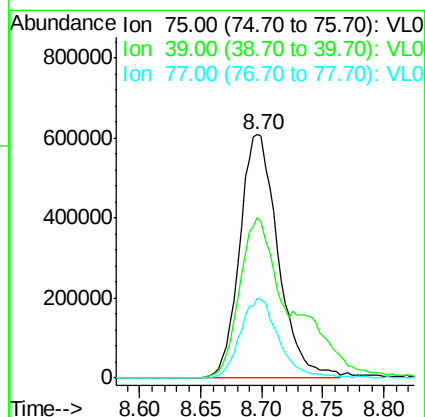
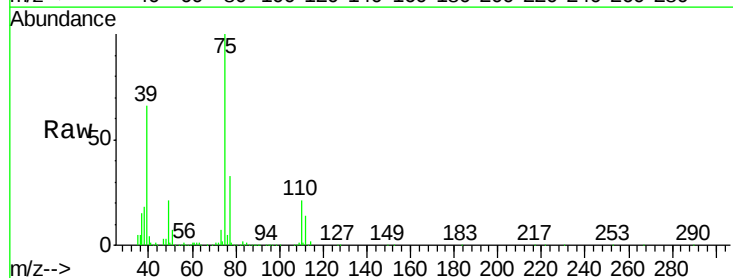
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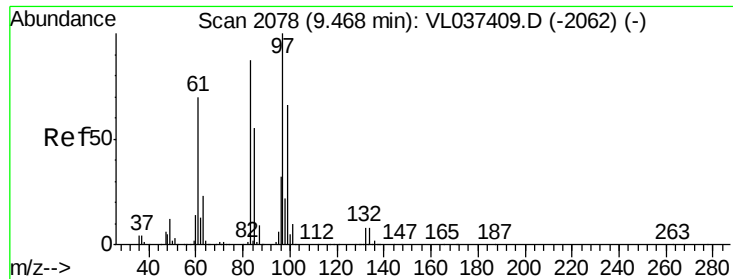
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 11.281 ppbv
 RT: 8.70 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion: 75 Resp: 1321732
 Ion Ratio Lower Upper
 75 100
 39 65.6 50.1 75.1
 77 32.6 25.8 38.8





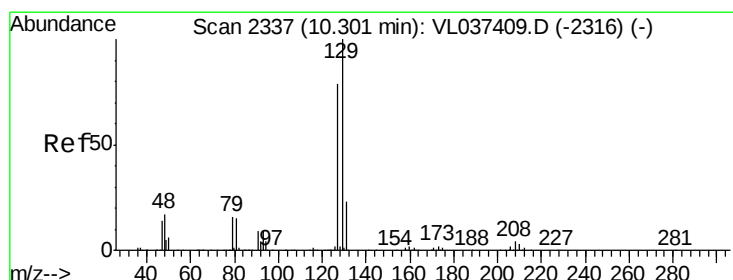
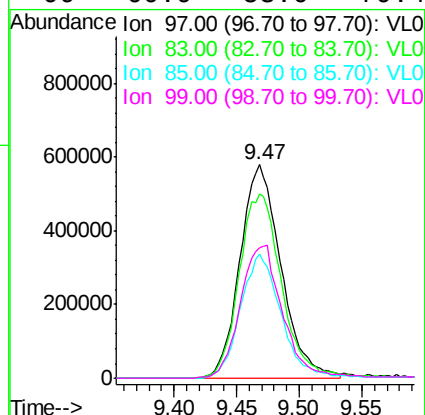
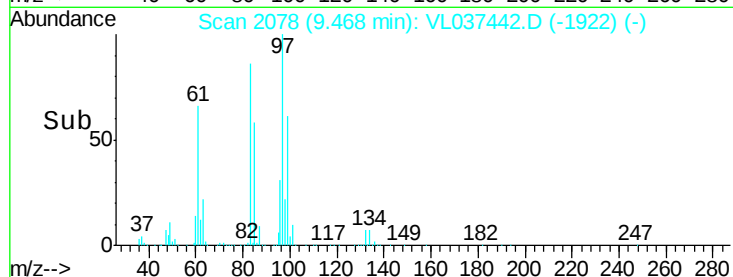
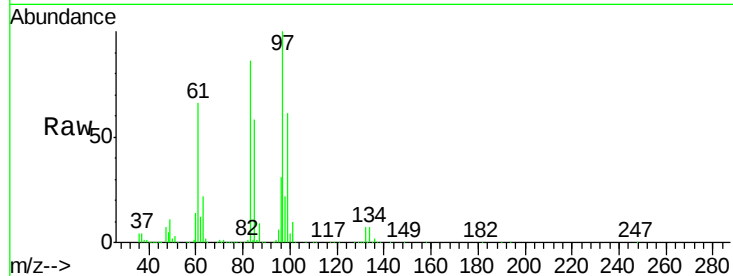
#47
 1,1,2-Trichloroethane
 Concen: 9.557 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.5	104.3
85	57.9	43.8	65.8
99	60.9	53.0	79.4

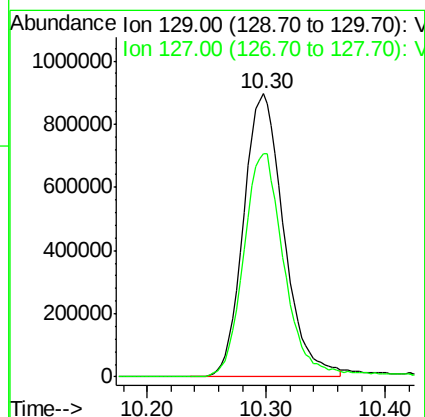
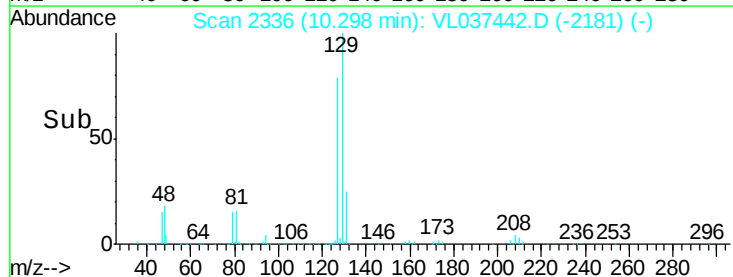
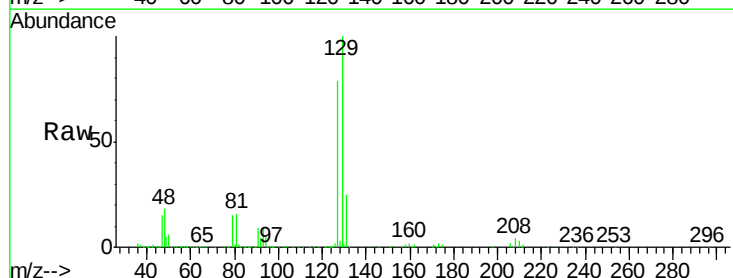
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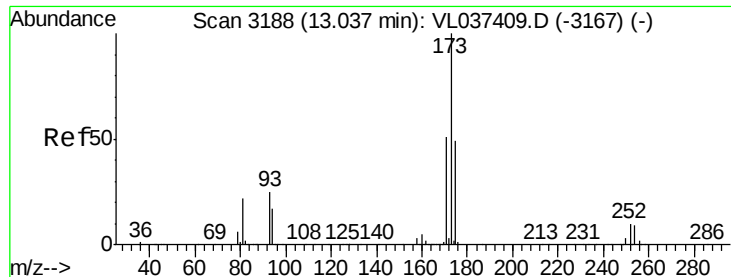
MMDadoda
 8/16/2021 5:03:50 PM



#48
 Dibromochloromethane
 Concen: 10.584 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.6	118.8





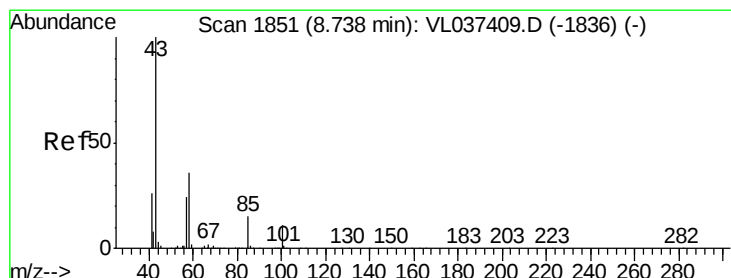
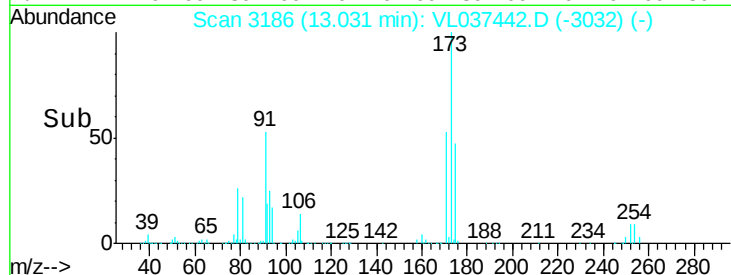
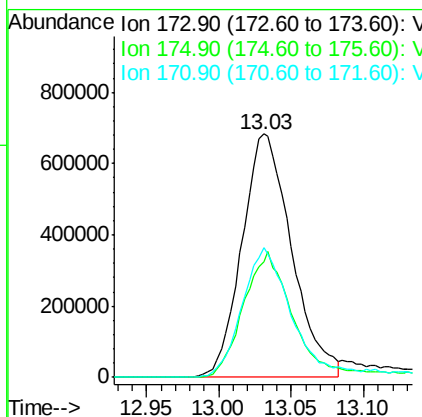
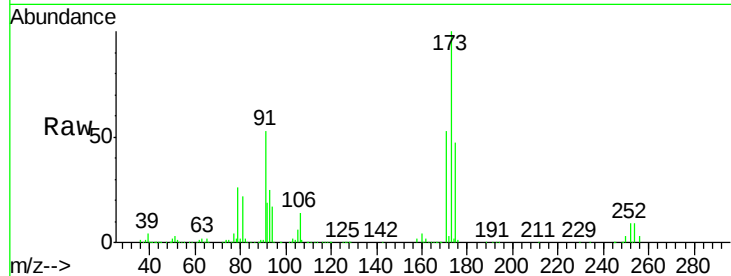
#49
Bromoform
Concen: 10.883 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. -0.01 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1632652
Ion Ratio Lower Upper
173 100
175 55.8 39.9 59.9
171 58.3 41.4 62.2

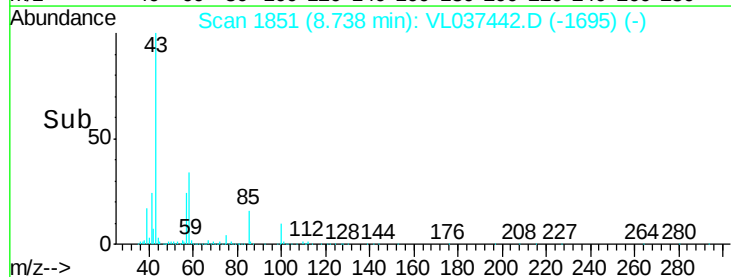
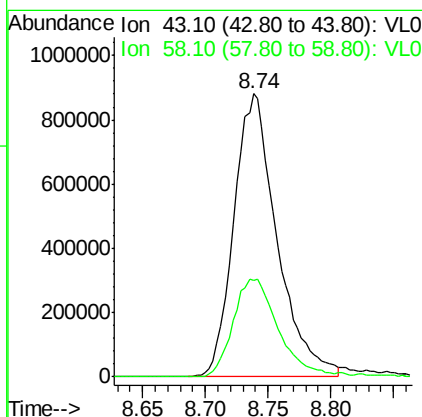
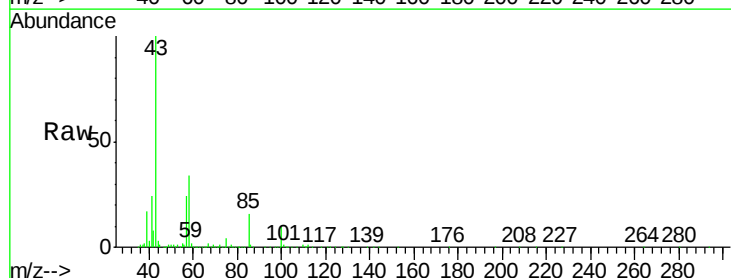
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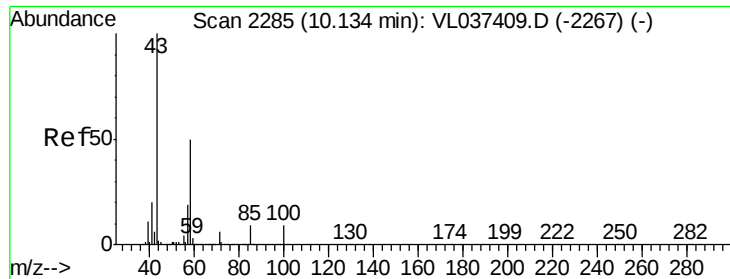
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#50
4-Methyl-2-Pentanone
Concen: 10.248 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 43 Resp: 2103497
Ion Ratio Lower Upper
43 100
58 37.6 29.9 44.9





#51

2-Hexanone

Concen: 10.509 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1014799

Ion Ratio Lower Upper

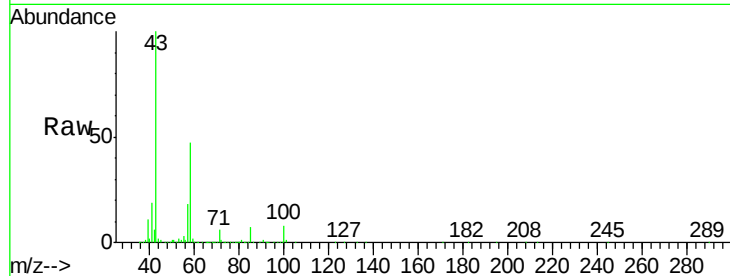
43 100

58 50.3 39.9 59.9

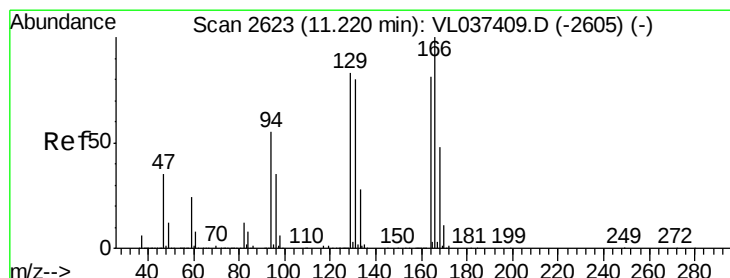
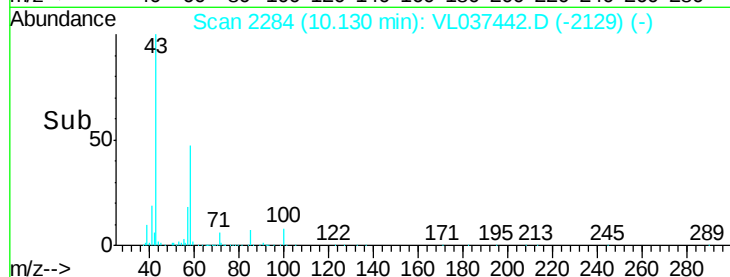
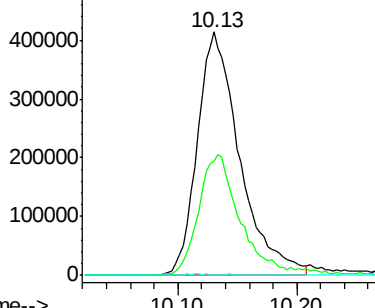
98 0.5 0.2 0.2#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.541 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Tgt Ion: 164 Resp: 1198922

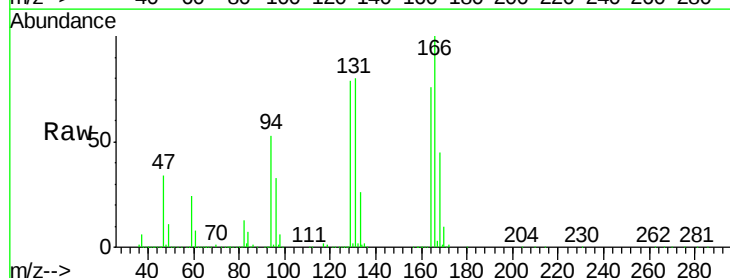
Ion Ratio Lower Upper

164 100

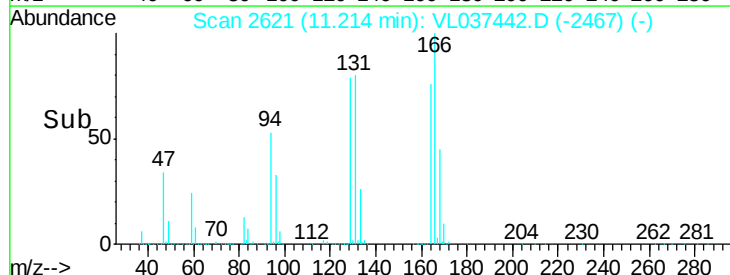
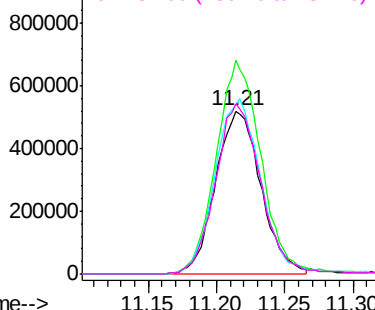
166 130.9 98.6 147.8

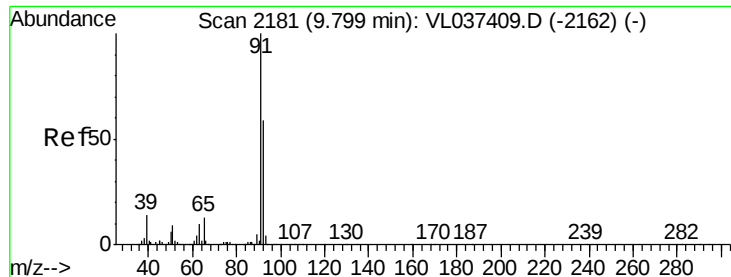
129 103.6 82.0 123.0

131 104.5 78.6 117.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.041 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3820039

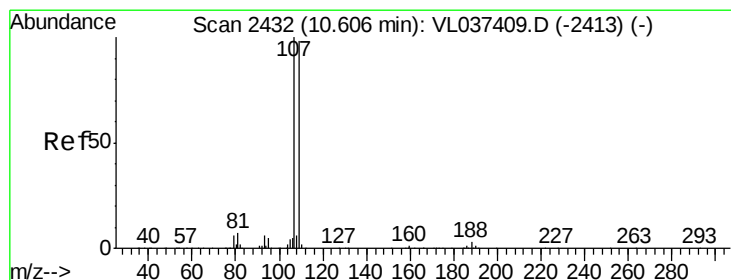
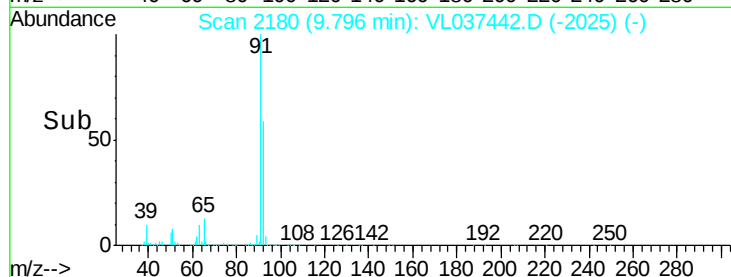
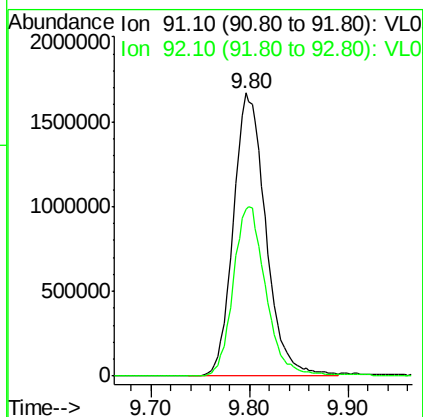
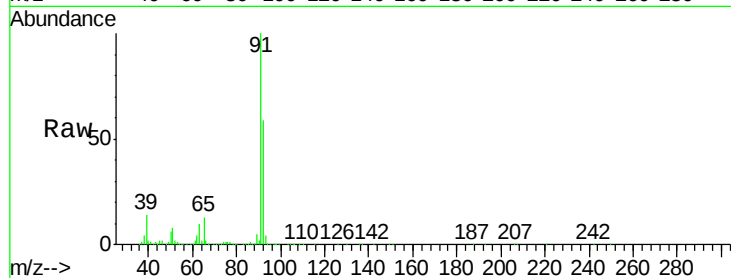
Ion Ratio Lower Upper

91 100

92 59.8 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 10.190 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL037442.D

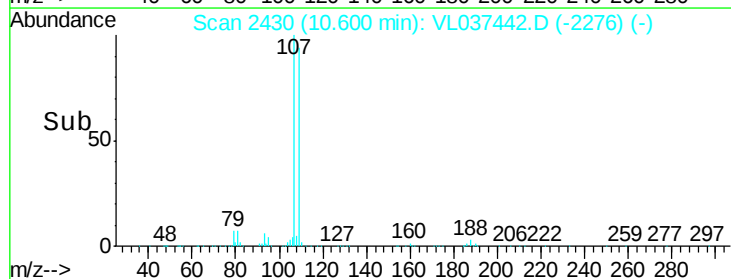
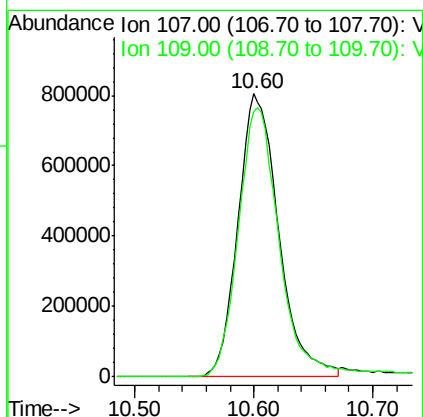
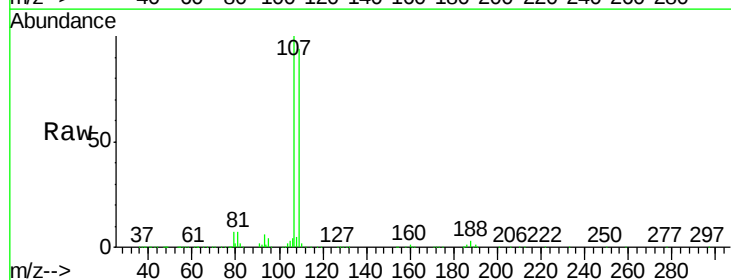
Acq: 13 Aug 2021 10:31

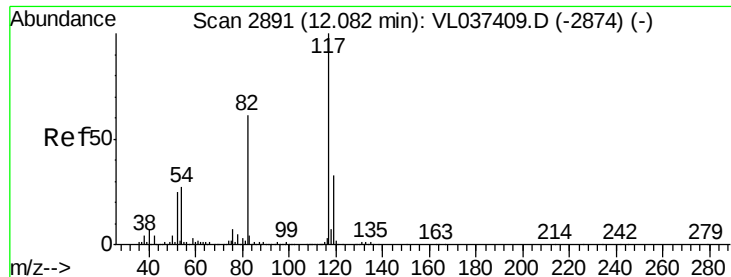
Tgt Ion: 107 Resp: 1903127

Ion Ratio Lower Upper

107 100

109 93.7 78.4 117.6





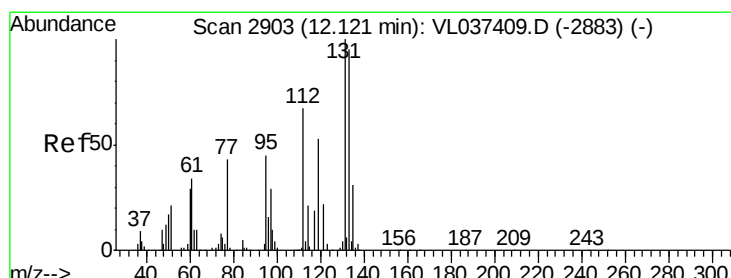
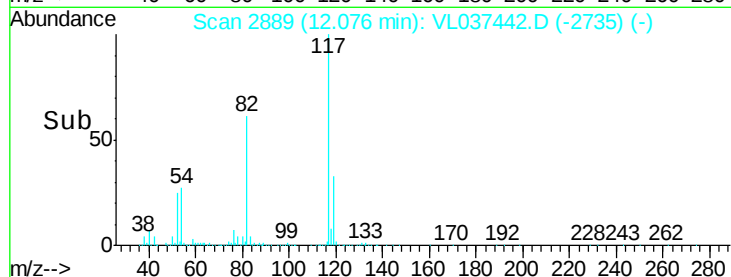
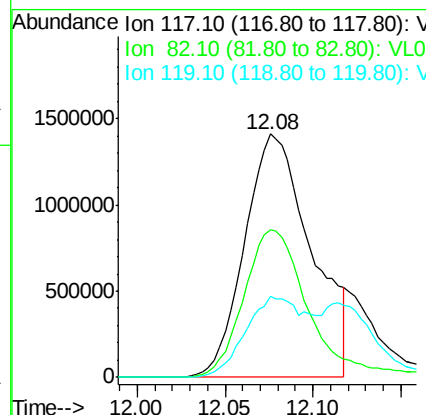
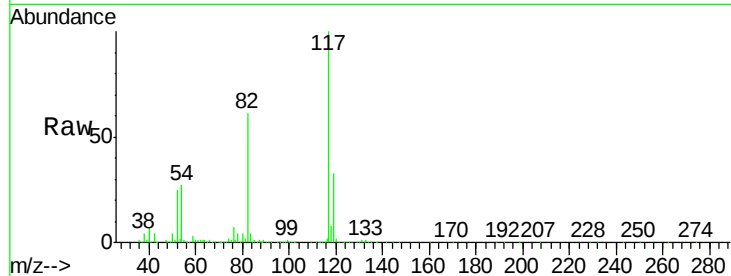
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3719509
Ion Ratio Lower Upper
117 100
82 62.4 53.1 79.7
119 32.3 28.0 42.0

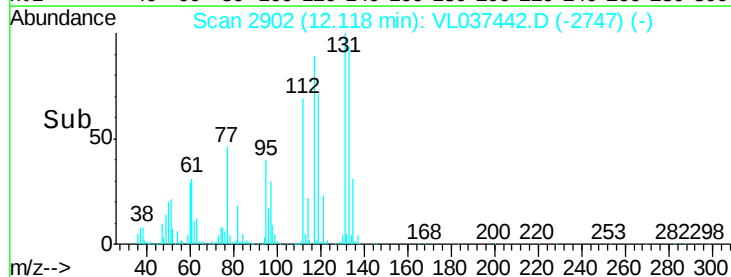
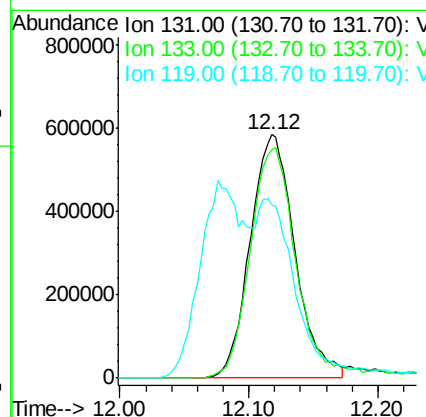
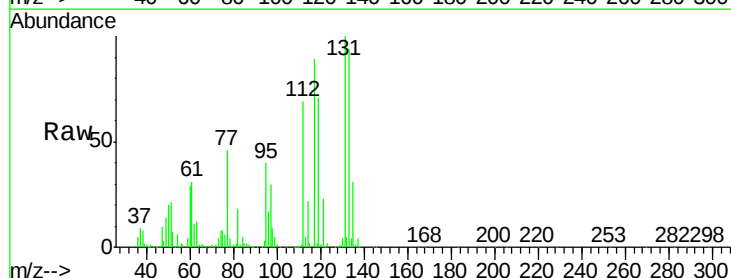
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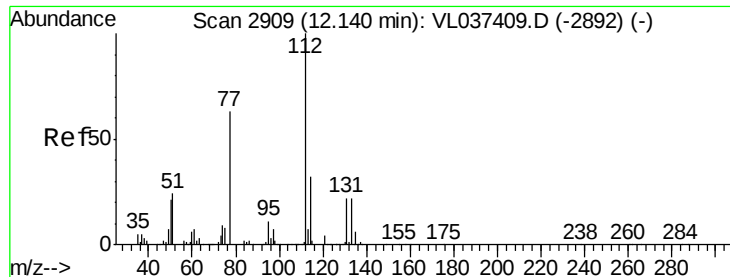
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.536 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion:131 Resp: 1411980
Ion Ratio Lower Upper
131 100
133 101.2 77.1 115.7
119 75.7 59.7 89.5





#57

Chlorobenzene

Concen: 8.902 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 2683416

Ion Ratio Lower Upper

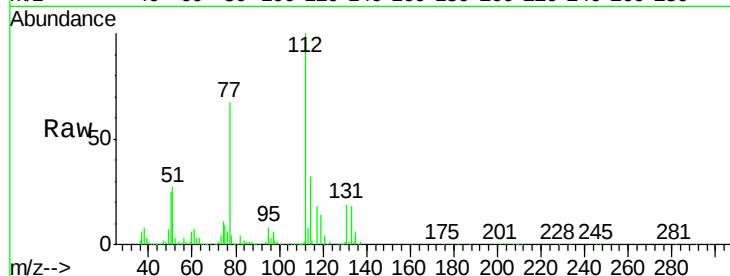
112 100

77 66.6 50.0 75.0

114 32.2 28.5 34.9

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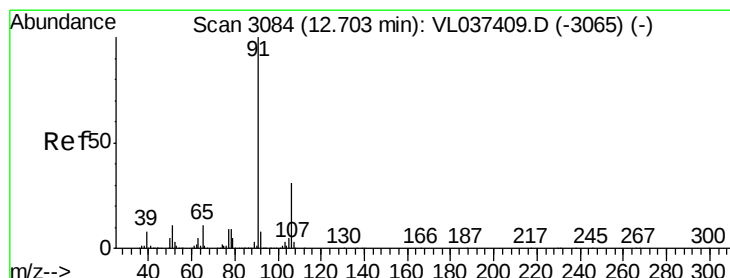
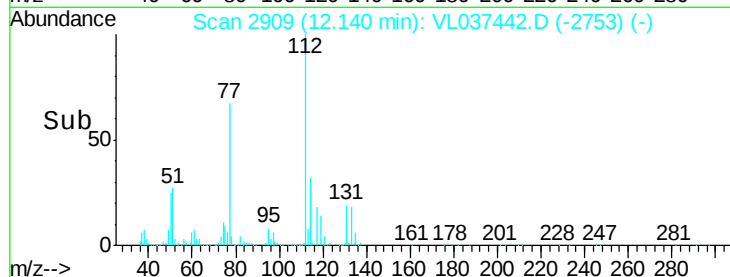
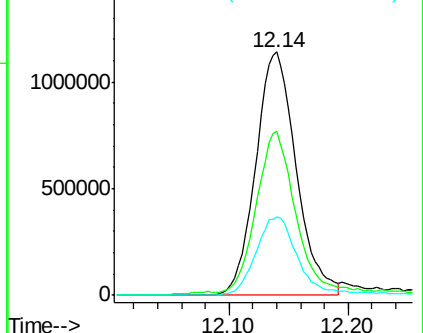
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.610 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL037442.D

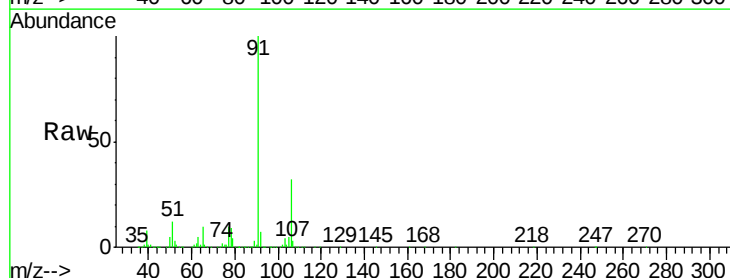
Acq: 13 Aug 2021 10:31

Tgt Ion: 91 Resp: 4848913

Ion Ratio Lower Upper

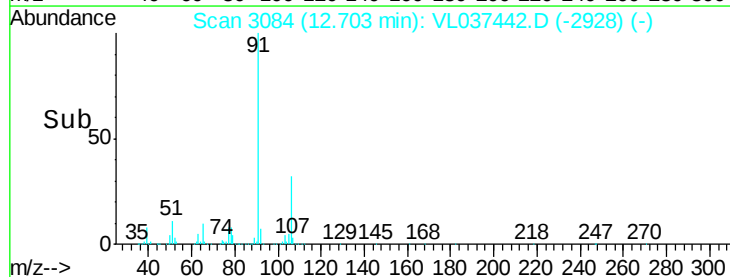
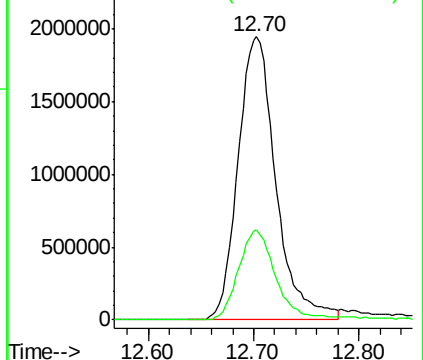
91 100

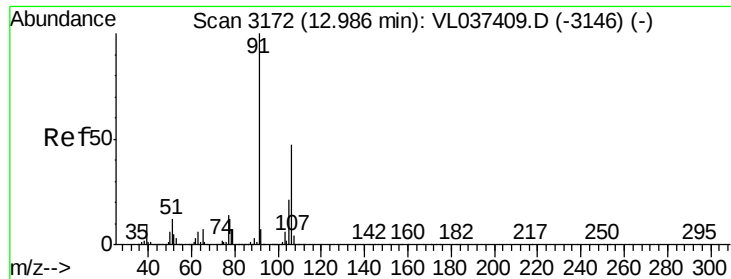
106 31.9 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





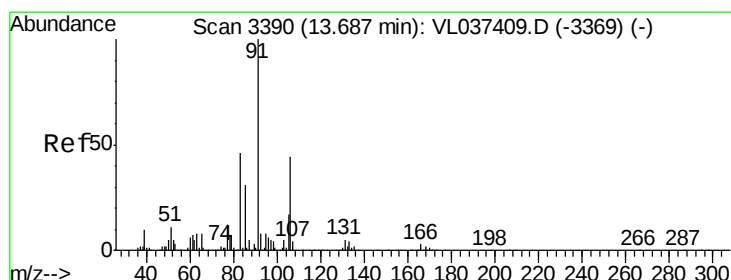
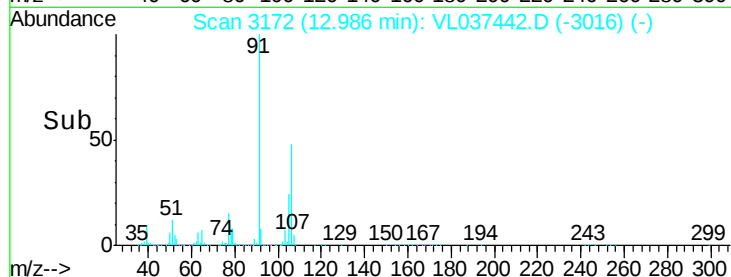
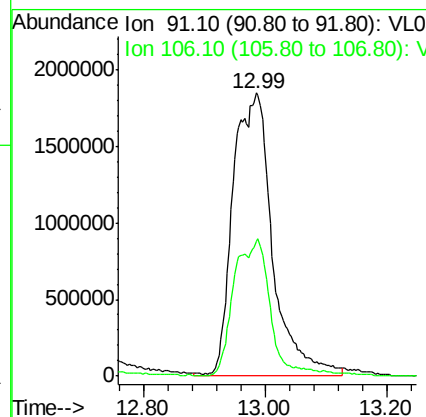
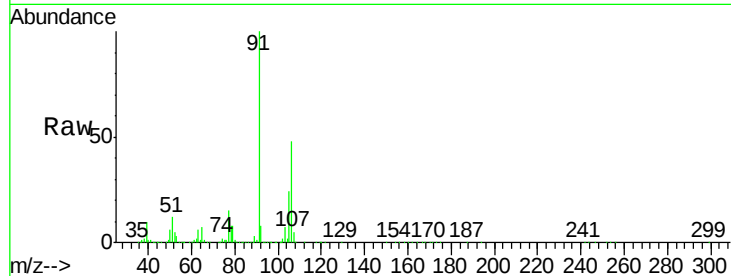
#59
m/p-Xylene
Concen: 18.830 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8346135
Ion Ratio Lower Upper
91 100
106 45.3 36.6 54.8

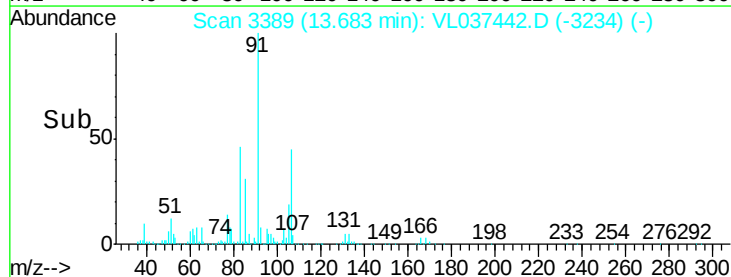
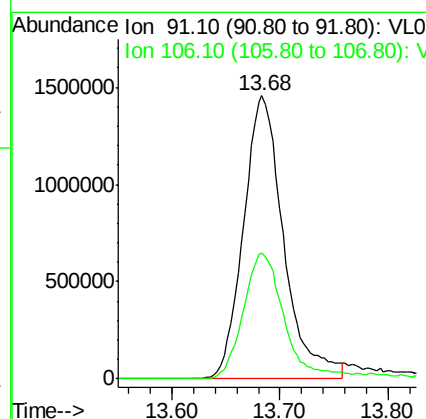
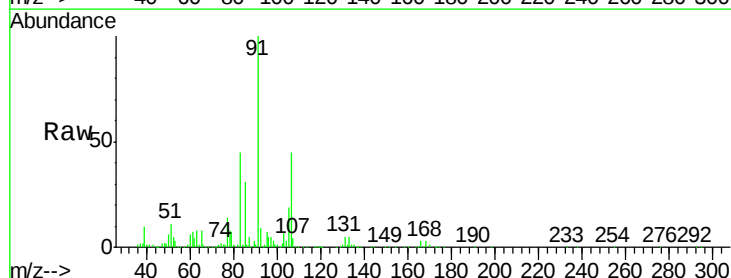
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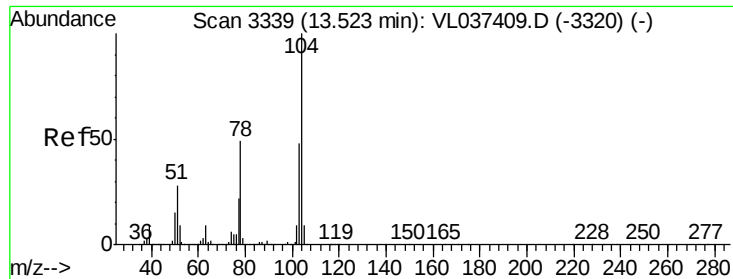
MMDadoda
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#60
o-Xylene
Concen: 9.145 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 91 Resp: 3765509
Ion Ratio Lower Upper
91 100
106 48.0 24.1 72.2





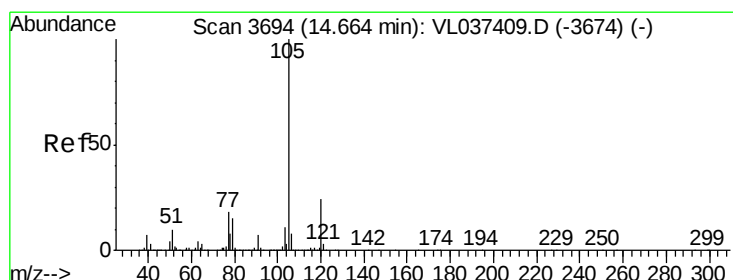
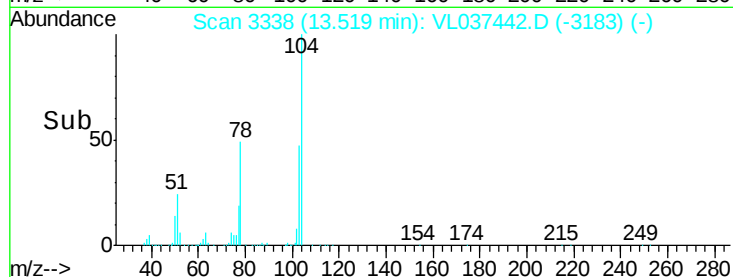
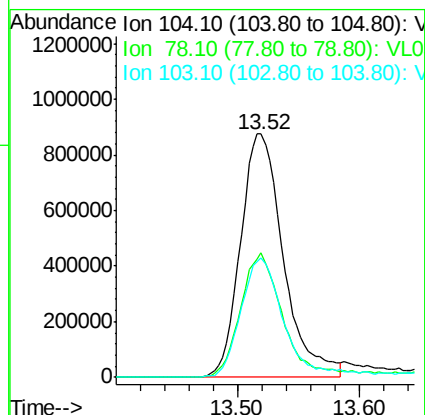
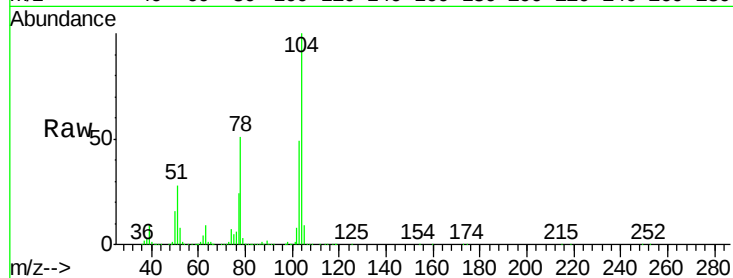
#61
Stvrene
Concen: 10.225 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.5	62.3
103	50.0	40.2	60.2

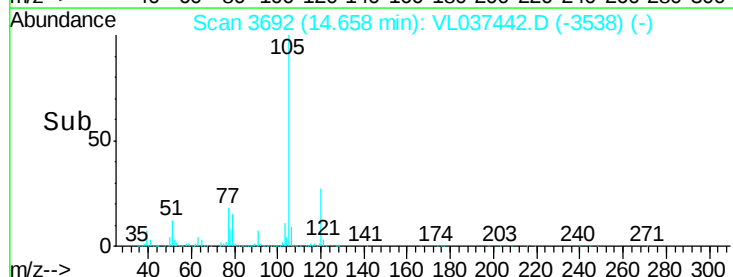
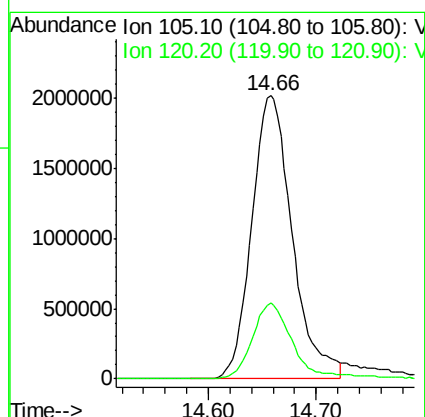
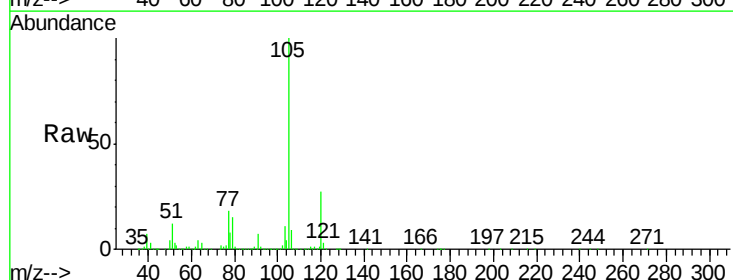
Manual Integrations
APPROVED

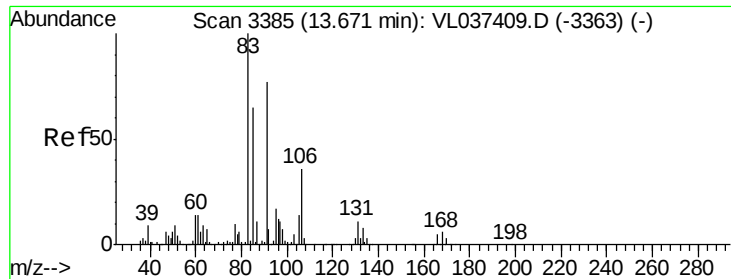
MMDadoda
8/16/2021 5:03:50 PM



#62
Isopropylbenzene
Concen: 8.906 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.01 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.6	32.4





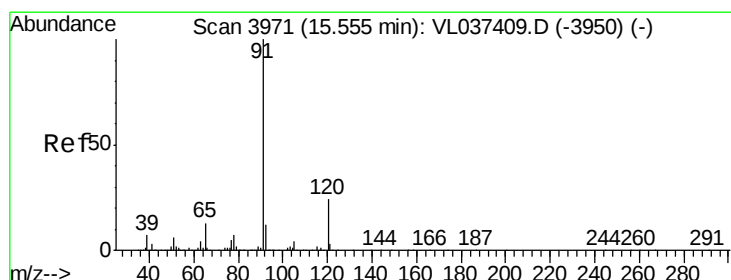
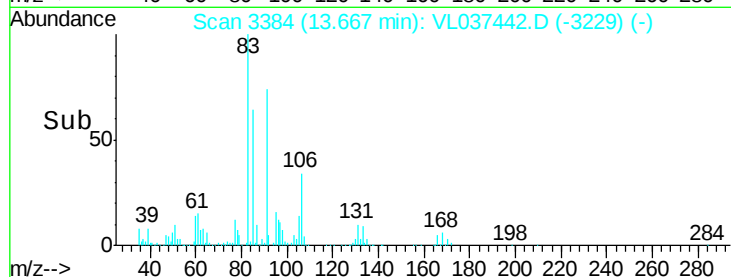
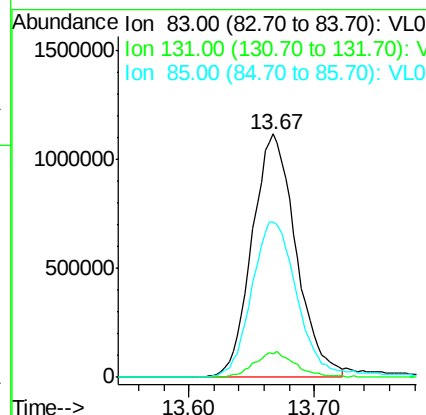
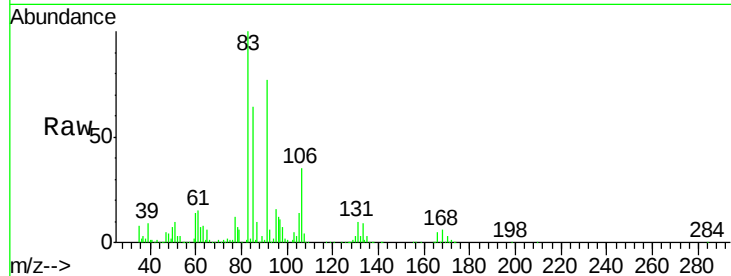
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.719 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 2707389
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.1 15.4
 85 68.4 33.4 100.2

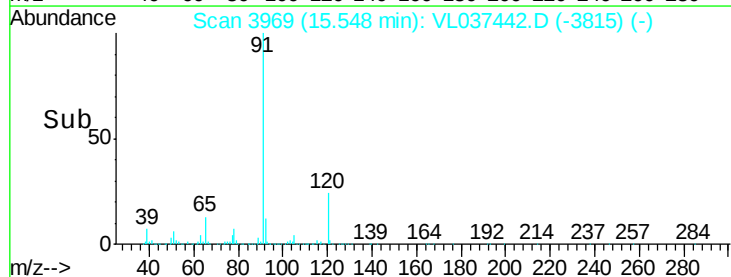
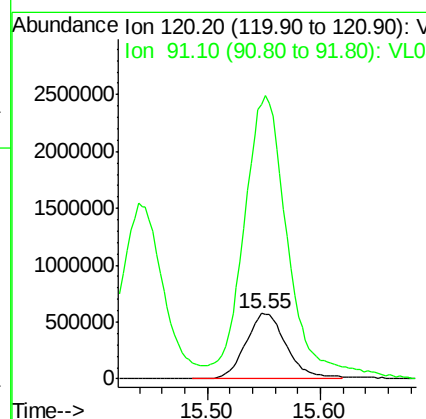
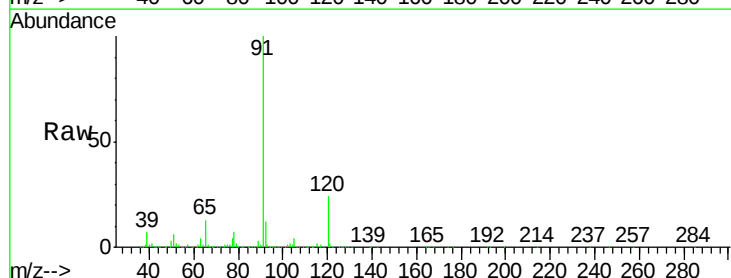
Manual Integrations
 APPROVED

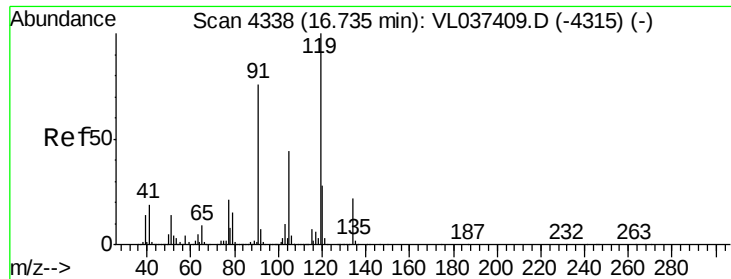
MMDadoda
 8/16/2021 5:03:50 PM



#64
 n-propylbenzene
 Concen: 9.641 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.01 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion: 120 Resp: 1428573
 Ion Ratio Lower Upper
 120 100
 91 471.6 388.4 582.6





#65

tert-Butylbenzene

Concen: 9.060 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 4811305

Ion Ratio Lower Upper

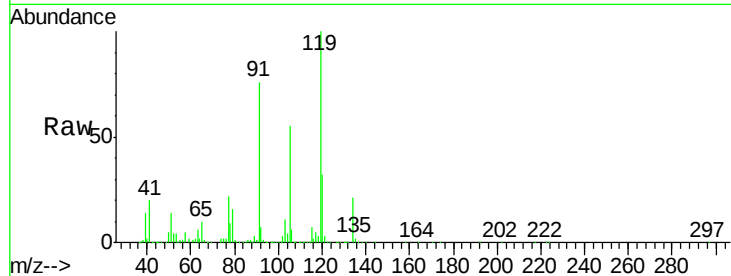
119 100

91 78.3 62.2 93.4

134 20.3 16.1 24.1

Manual Integrations
APPROVED

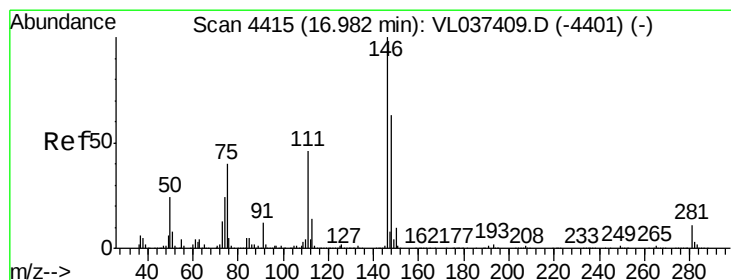
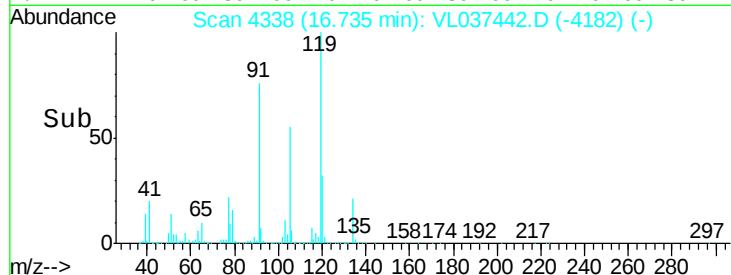
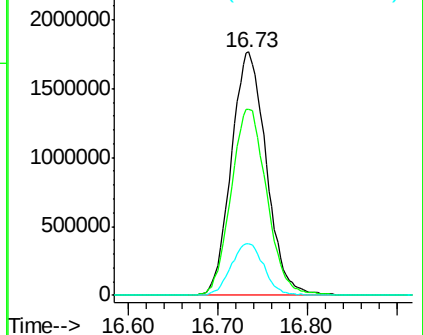
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.343 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.01 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

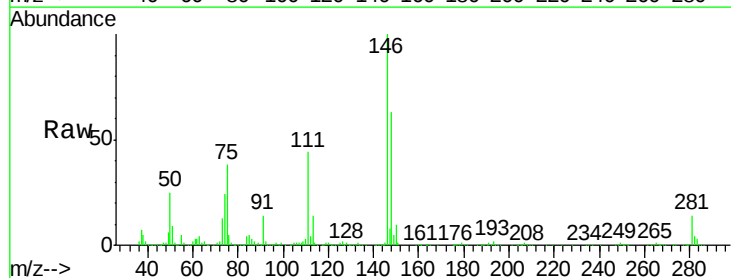
Tgt Ion: 91 Resp: 299902

Ion Ratio Lower Upper

91 100

126 18.4 14.3 21.5

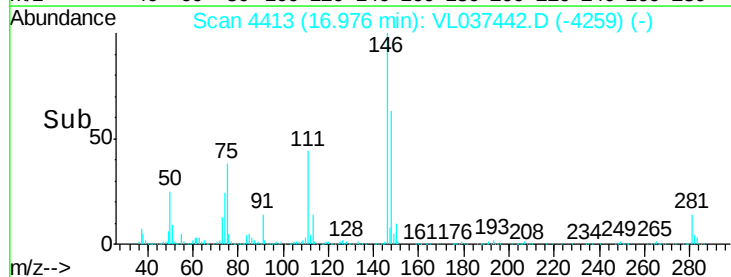
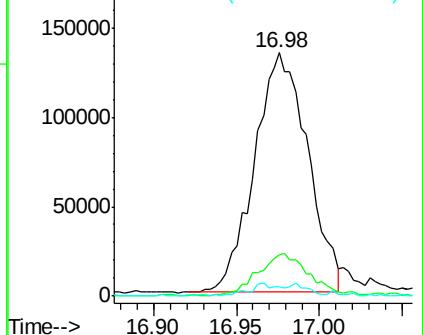
128 5.9 4.6 7.0

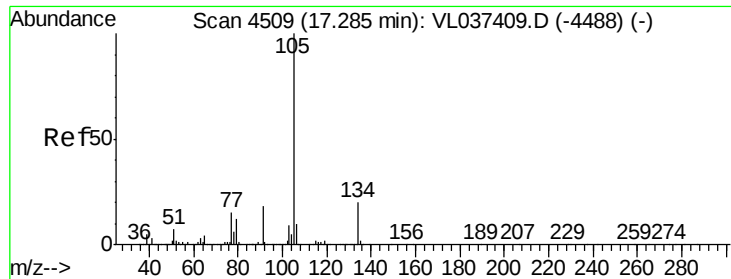


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.320 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 6734338

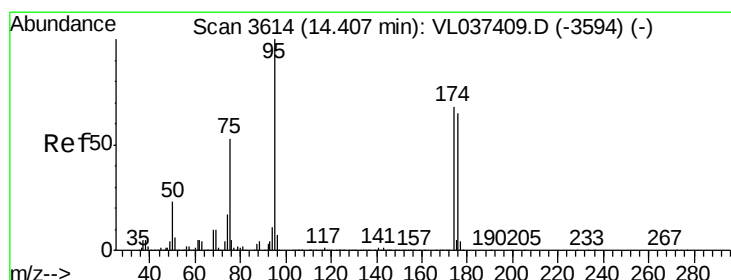
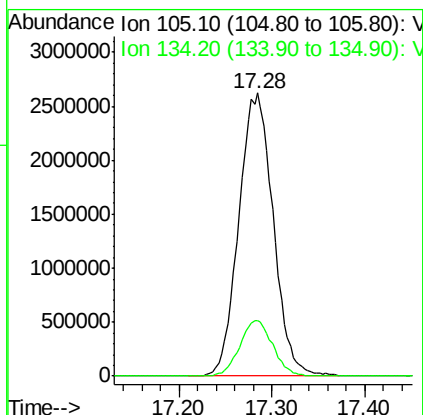
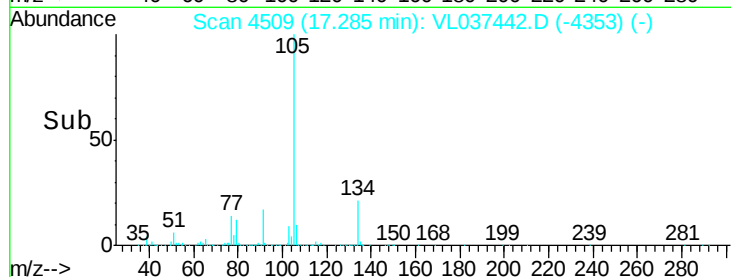
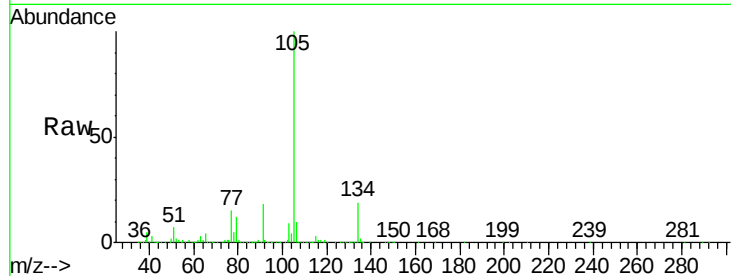
Ion Ratio Lower Upper

105 100

134 18.9 15.4 23.0

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.438 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

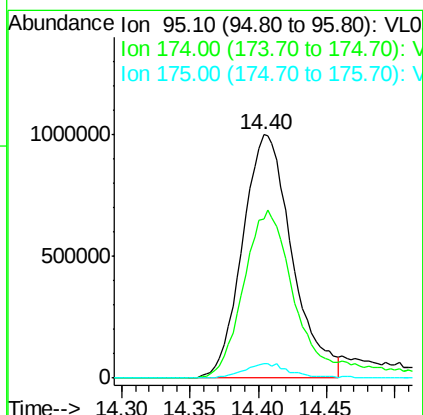
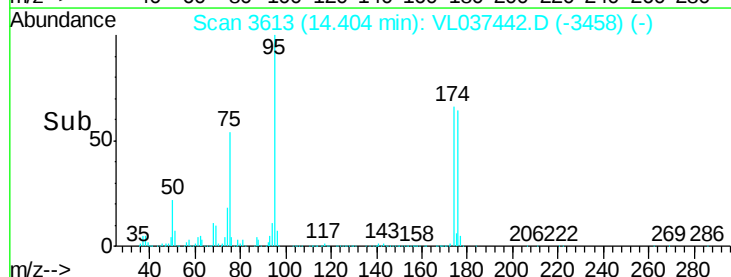
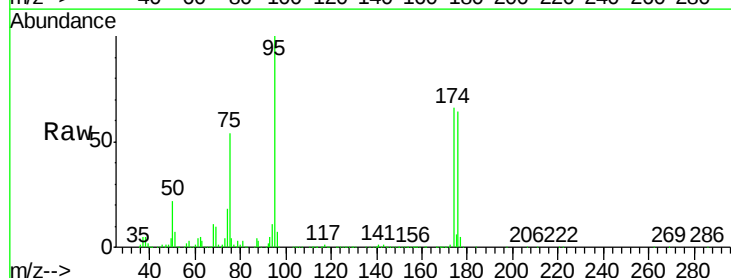
Tgt Ion: 95 Resp: 2518222

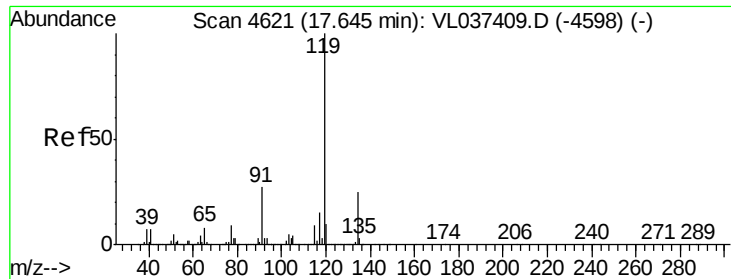
Ion Ratio Lower Upper

95 100

174 77.6 59.6 89.4

175 5.5 4.3 6.5





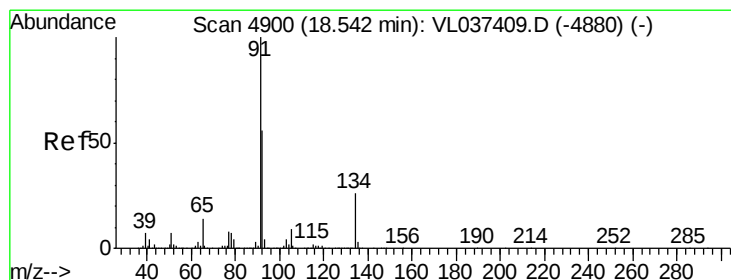
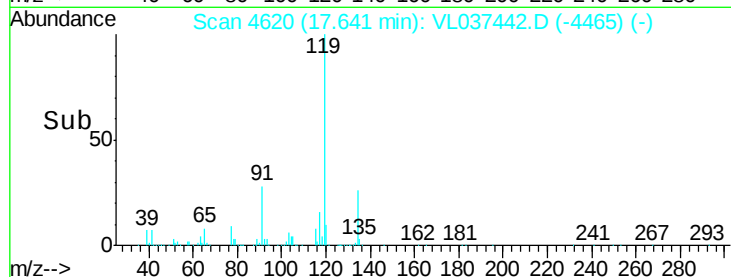
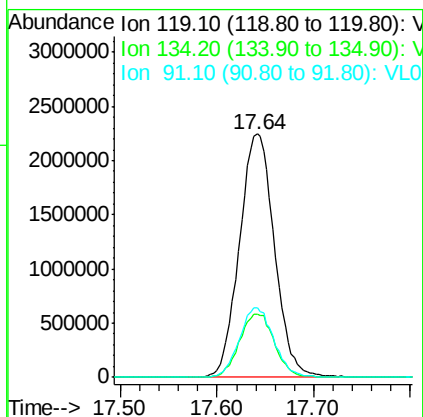
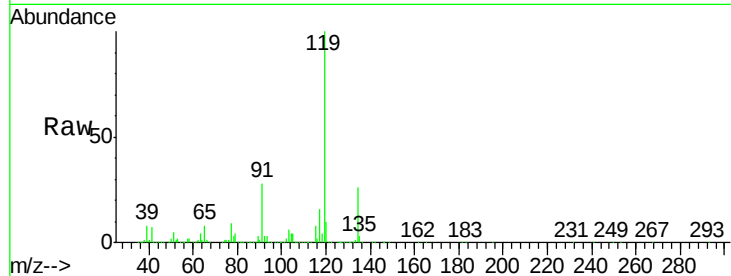
#69
 p-Isopropyltoluene
 Concen: 9.533 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	28.0	22.4	33.6

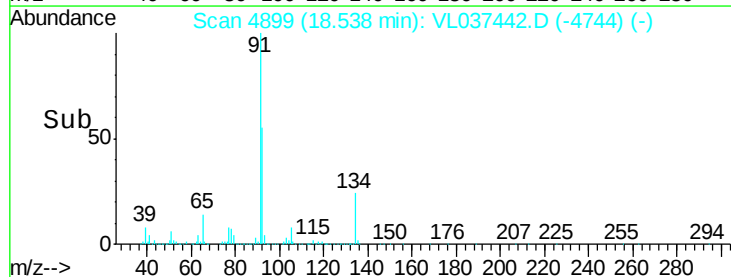
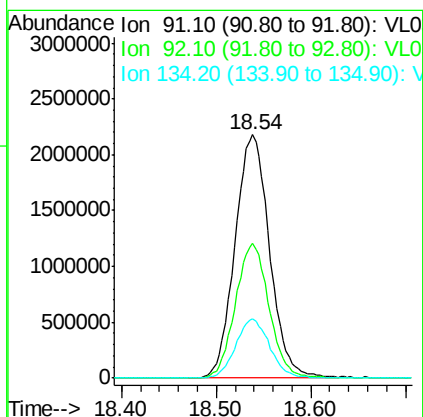
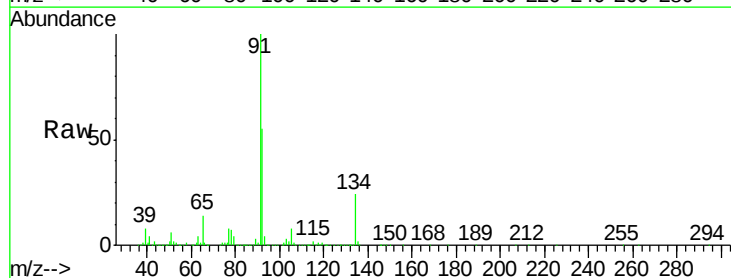
Manual Integrations
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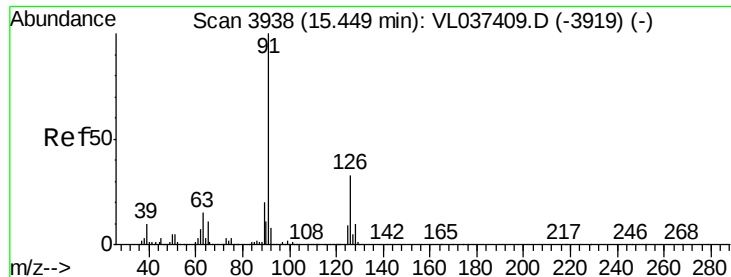
MMDadoda
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#70
 n-Butylbenzene
 Concen: 10.039 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.2	66.2
134	24.0	19.5	29.3





#71

2-Chlorotoluene

Concen: 9.349 ppbv

RT: 15.44 min Scan# 3935

Delta R.T. -0.01 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3893968

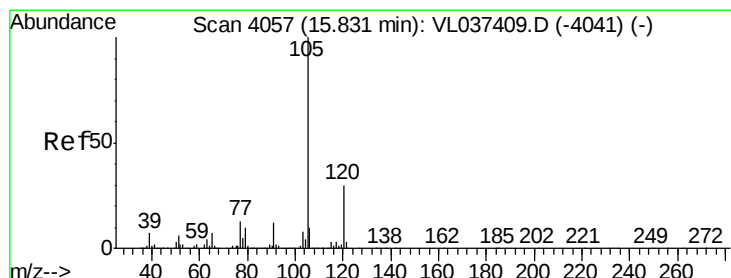
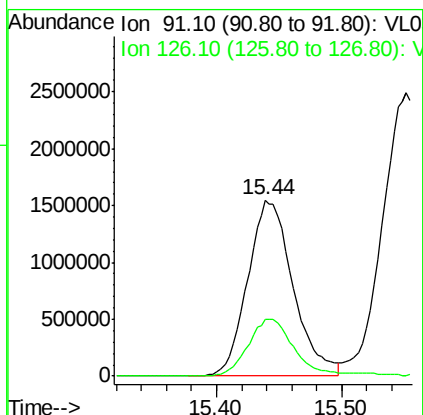
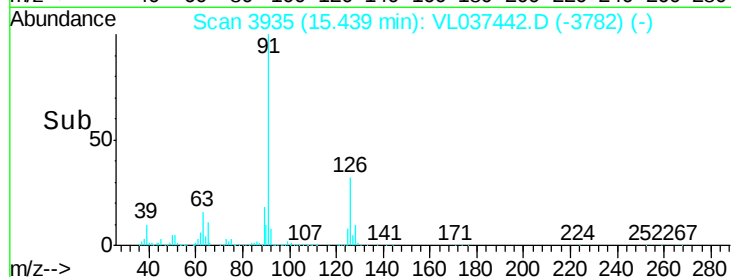
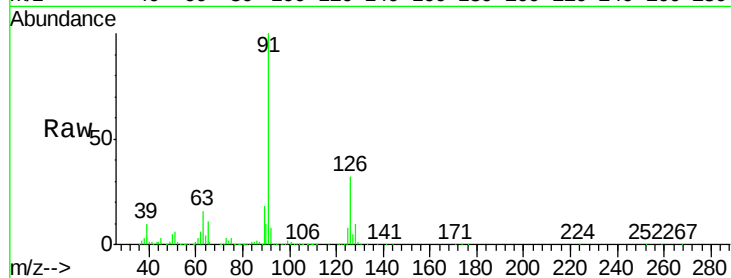
Ion Ratio Lower Upper

91 100

126 34.5 13.5 53.9

Manual Integrations
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#72

4-Ethyltoluene

Concen: 9.740 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Tgt Ion: 105 Resp: 4655044

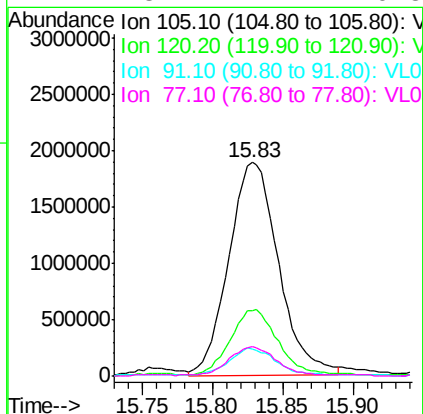
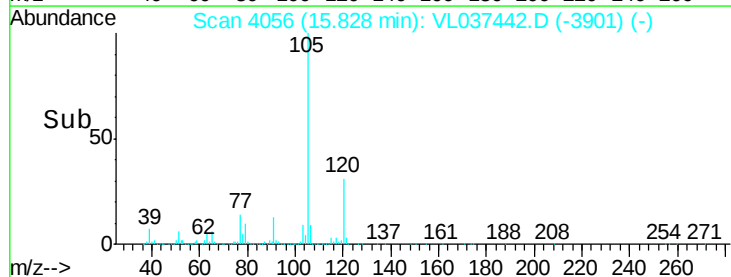
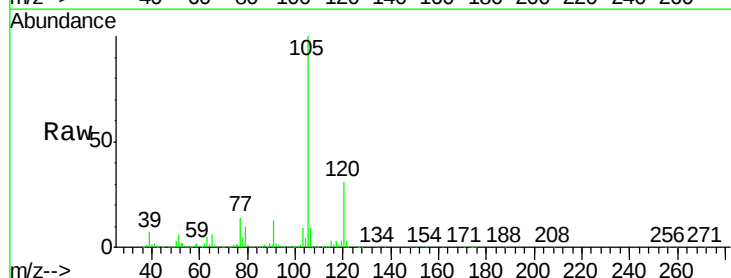
Ion Ratio Lower Upper

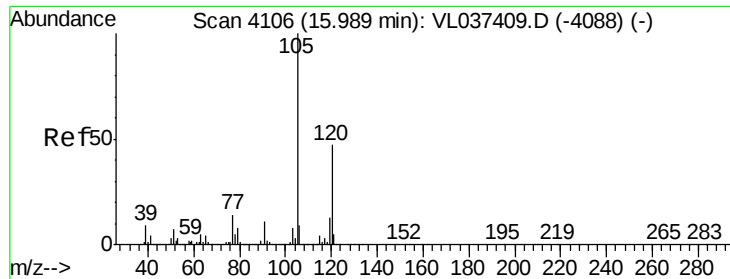
105 100

120 31.2 25.0 37.4

91 12.3 11.2 16.8

77 13.7 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 9.304 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. 0.00 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4204158

Ion Ratio Lower Upper

105 100

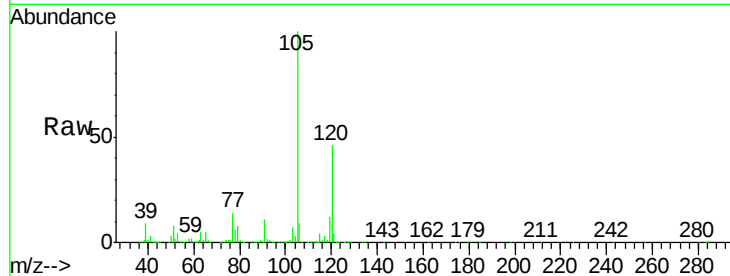
120 45.8 37.4 56.0

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

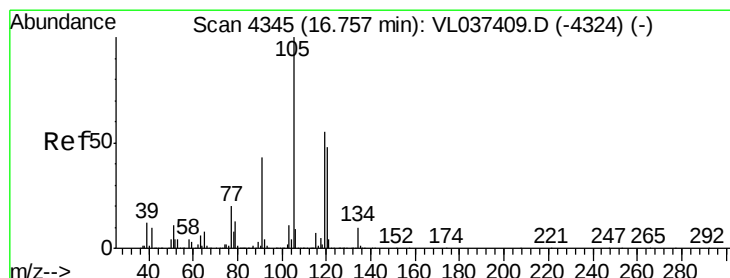
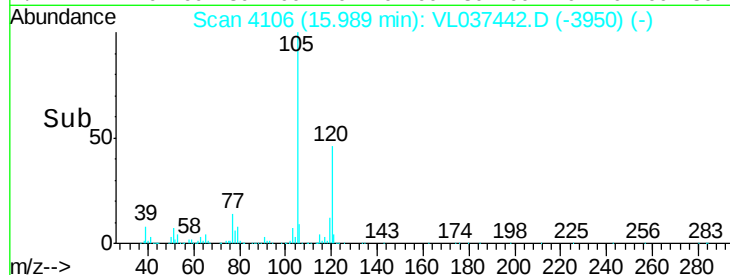
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.493 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL037442.D

Acq: 13 Aug 2021 10:31

Tgt Ion:105 Resp: 4391791

Ion Ratio Lower Upper

105 100

120 49.0 38.2 57.2

91 49.0 35.4 53.2

77 21.9 16.2 24.2

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

2500000

2000000

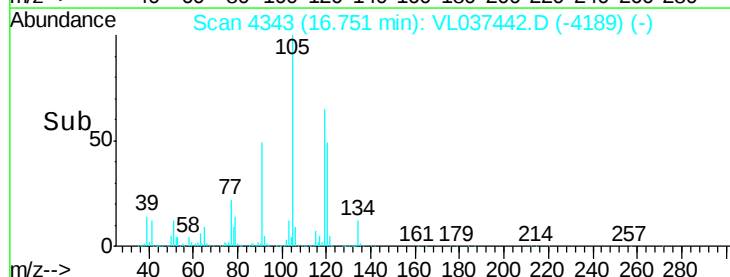
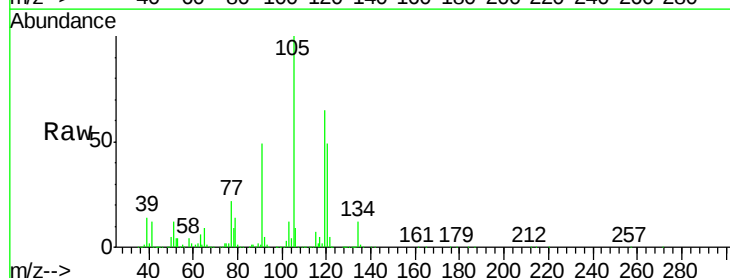
1500000

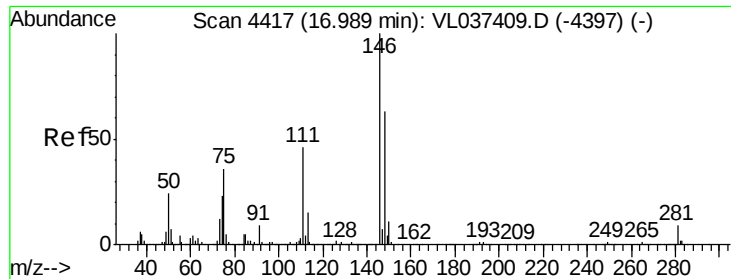
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500000

0

Time-->





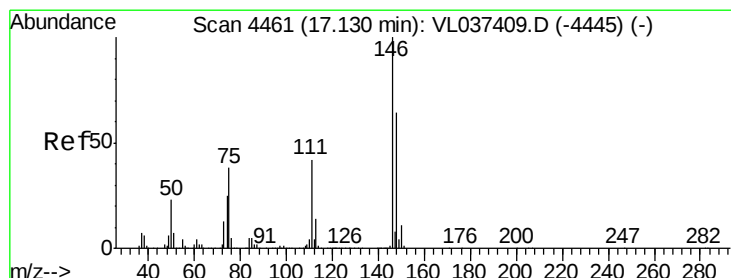
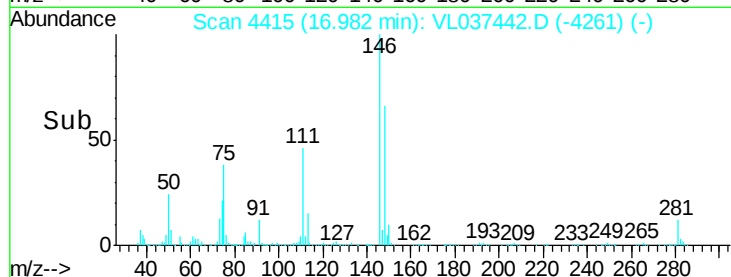
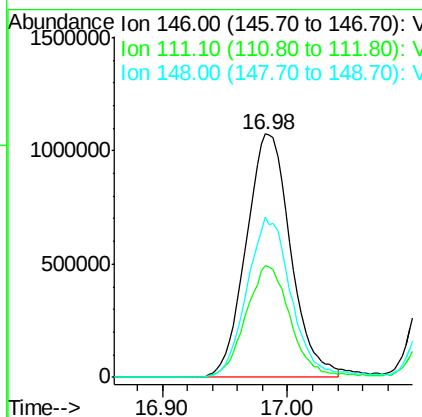
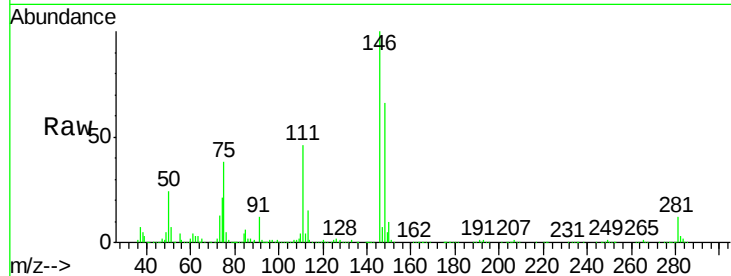
#75
 1,3-Dichlorobenzene
 Concen: 9.376 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.01 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.7
148	65.4	32.0	96.2

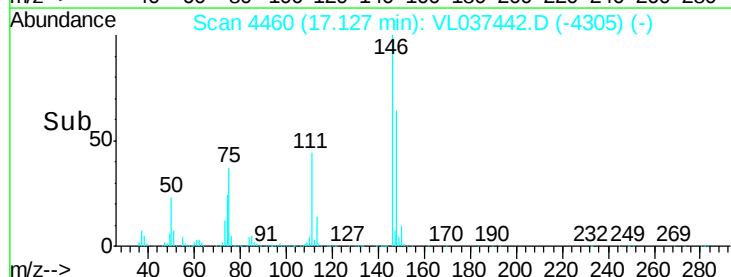
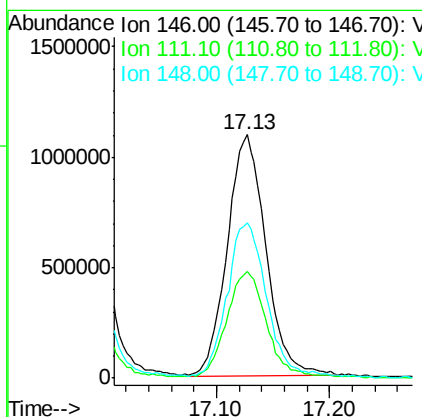
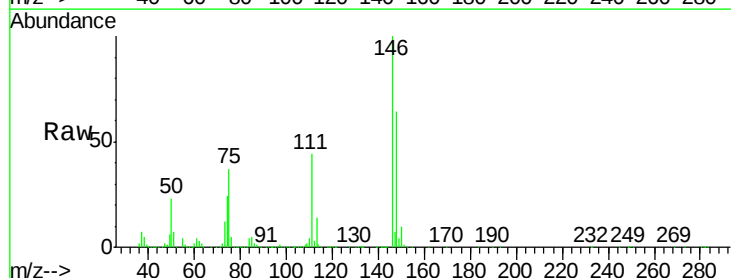
Manual Integrations
 APPROVED

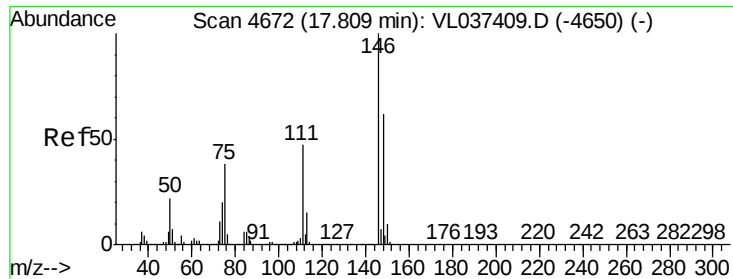
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 9.200 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	22.8	68.4
148	66.9	34.0	102.0





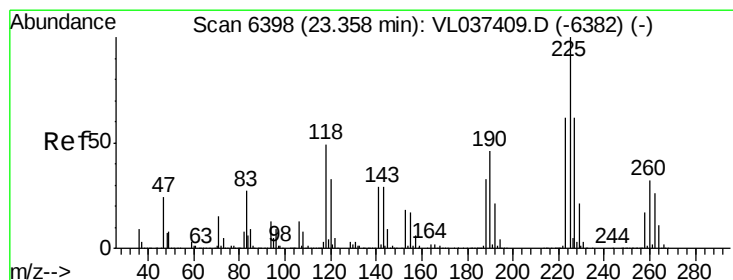
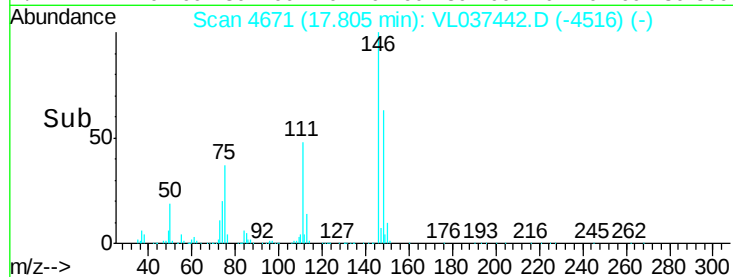
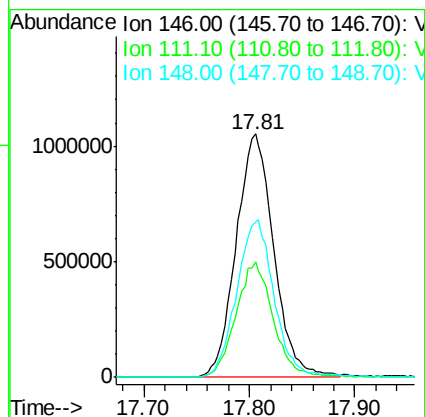
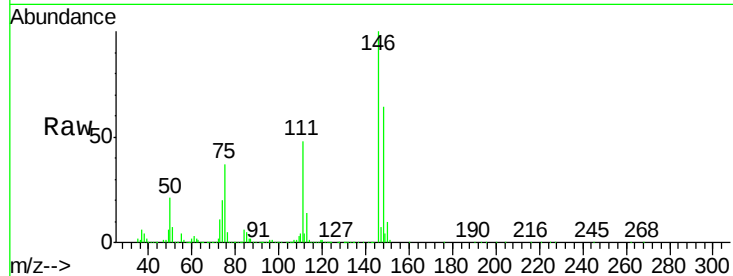
#77
 1,2-Dichlorobenzene
 Concen: 9.520 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.8	71.5
148	64.9	32.5	97.4

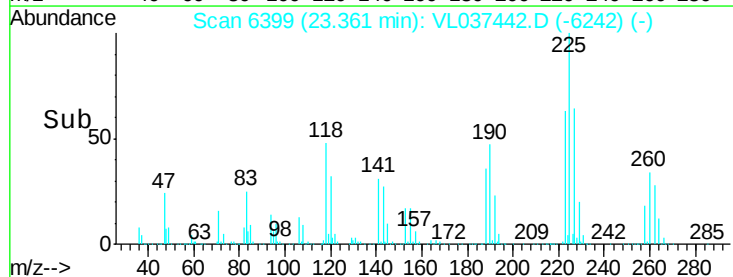
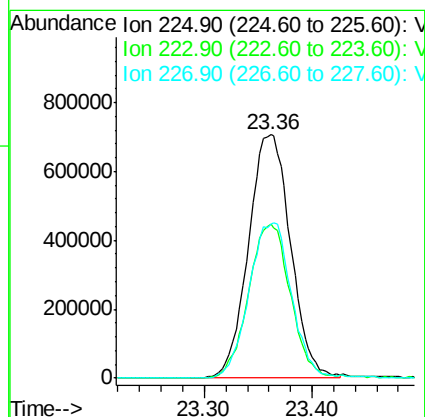
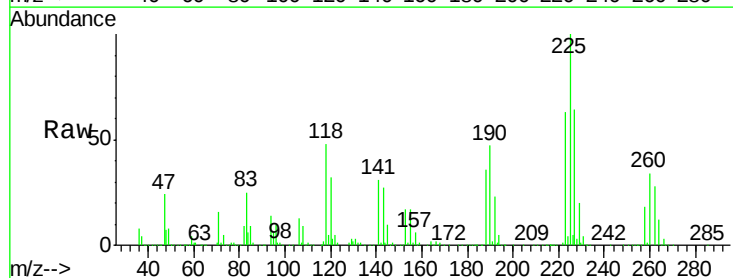
Manual Integrations
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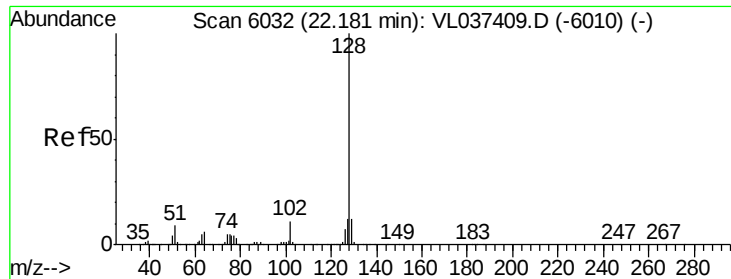
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.683 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. 0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.2	76.8
227	65.1	52.2	78.4





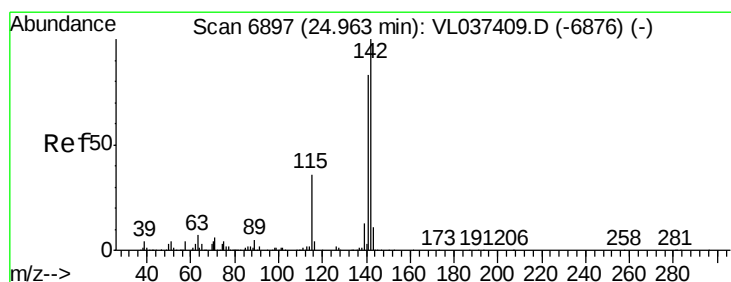
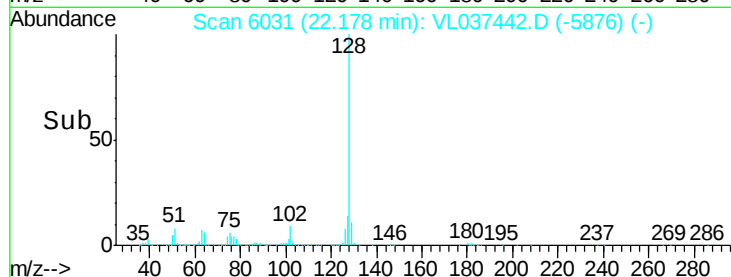
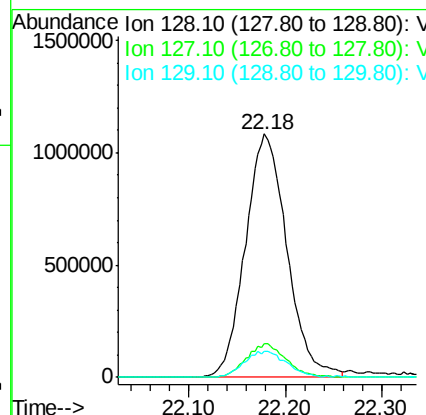
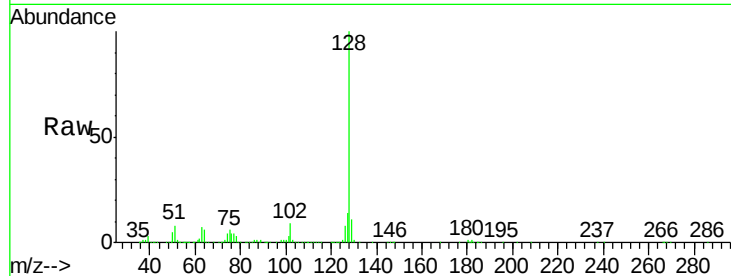
#79
Naphthalene
Concen: 12.851 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.9	14.9
129	10.6	9.4	14.0

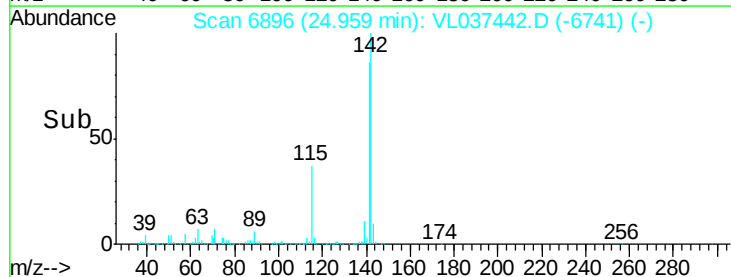
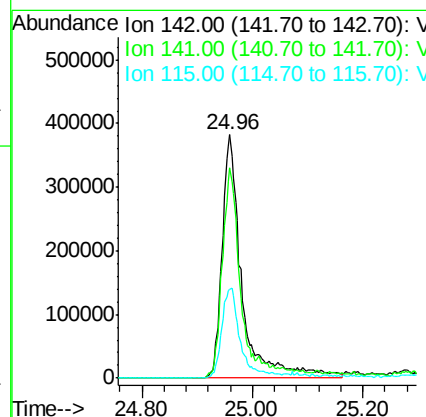
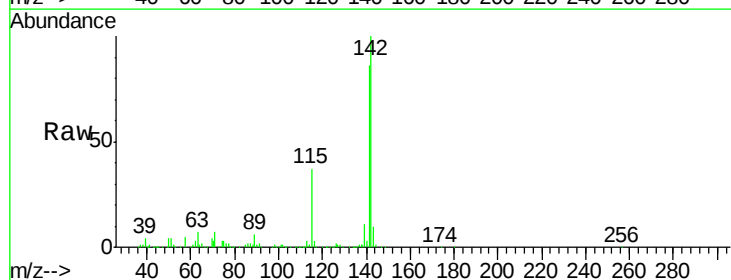
Manual Integrations
APPROVED

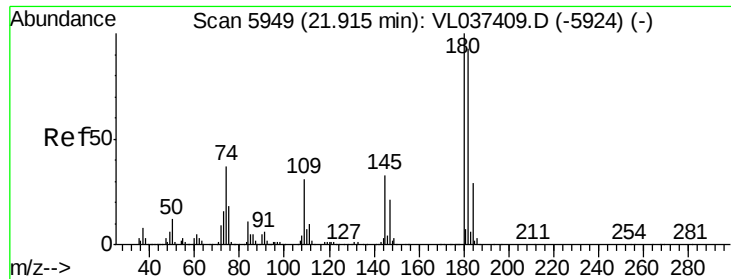
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#80
Naphthalene, 2-methyl-
Concen: 18.012 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.8	68.7	103.1
115	35.7	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 11.401 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.00 min
 Lab File: VL037442.D
 Acq: 13 Aug 2021 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	97.5	78.6	118.0	
184	31.0	24.6	36.8	

Manual Integrations
 APPROVED

MMDadoda
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