

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037767.D
 Acq On : 5 Oct 2021 9:22
 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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 10/11/2021 7:35:56 PM

Quant Time: Oct 06 05:32:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 06 05:32:38 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1427628	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4236236	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3791061m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2684624	10.13	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1861930	8.165	ppbv	99
3) Chlorodifluoromethane	2.98	51	2552940	9.307	ppbv	100
4) Chloromethane	3.13	50	952439	9.480	ppbv	96
5) Vinyl Chloride	3.25	62	946127	10.273	ppbv	98
6) Bromomethane	3.46	94	456663	9.166	ppbv	97
7) Chloroethane	3.55	64	322376	9.520	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2066424	9.168	ppbv	99
9) Propene	3.00	41	949068	9.403	ppbv	99
10) Heptane	8.11	43	2348450	10.245	ppbv	100
11) Trichlorofluoromethane	3.93	101	1950784	9.589	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1499539	9.728	ppbv	98
13) Ethanol	3.59	45	92411m	11.196	ppbv	
14) Bromoethene	3.73	108	663961	9.796	ppbv	96
15) Acetone	3.84	43	1187823	9.268	ppbv	100
16) 1,3-Butadiene	3.31	39	935001	10.027	ppbv	98
17) tert-Butyl alcohol	4.27	59	1414030	10.713	ppbv	99
18) 1,1-Dichloroethene	4.28	96	686942	9.806	ppbv	93
19) Isopropyl Alcohol	3.95	45	827293	10.376	ppbv #	98
20) Methylene Chloride	4.33	84	519327	8.020	ppbv	98
21) Allyl Chloride	4.40	41	1103447	9.719	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	693429	9.846	ppbv	98
23) Vinyl Acetate	5.06	43	1736622	9.042	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1398054	10.000	ppbv	97
25) Ethyl Acetate	5.66	43	3609699	10.037	ppbv	99
26) Hexane	5.67	57	1725361	9.743	ppbv	100
27) Carbon Disulfide	4.54	76	1660820	10.583	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1480862	10.044	ppbv	98
29) Chloroform	5.74	83	2390902	9.446	ppbv	100
30) Cyclohexane	7.11	84	1431484	9.533	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1623412	10.098	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2338510	9.745	ppbv	99
34) 2-Butanone	5.23	43	1582798	9.255	ppbv	100
35) Carbon Tetrachloride	7.00	117	2383634	9.908	ppbv	98
36) Benzene	6.87	78	3598588	9.946	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1705695	10.012	ppbv	100
38) Trichloroethene	7.82	130	1396143	9.767	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1349427	9.915	ppbv	98
40) 1,4-Dioxane	7.82	88	368675	10.825	ppbv #	100
41) Tetrahydrofuran	6.03	42	842362	10.059	ppbv	98
42) Bromodichloromethane	7.77	83	2594736	10.368	ppbv	97
43) Methyl Methacrylate	8.00	69	1269843	10.745	ppbv	98

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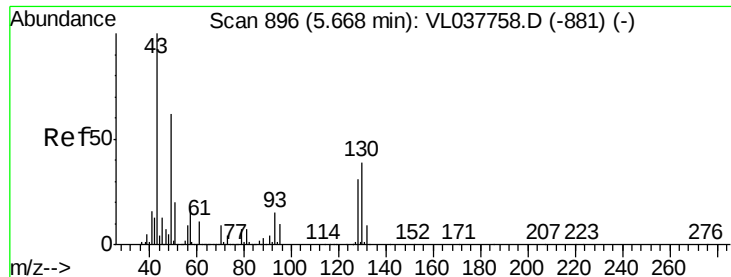
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5953636	9.794	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	858501	10.557	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1187561	10.536	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1441290	9.742	ppbv	99
48) Dibromochloromethane	10.28	129	2289136	10.853	ppbv	100
49) Bromoform	13.02	173	1913278	11.855	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2359451	10.598	ppbv	99
51) 2-Hexanone	10.11	43	1108974	11.158	ppbv #	97
52) Tetrachloroethene	11.20	164	1319525	9.373	ppbv	95
53) Toluene	9.79	91	4130594	10.301	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2023242	10.124	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.10	131	1581914	10.080	ppbv	98
57) Chlorobenzene	12.13	112	3012336	9.686	ppbv	97
58) Ethyl Benzene	12.69	91	5310725	10.432	ppbv	97
59) m/p-Xylene	12.98	91	8828600m	20.204	ppbv	
60) o-Xylene	13.67	91	4136390	9.877	ppbv	99
61) Styrene	13.51	104	2363125	11.666	ppbv	99
62) Isopropylbenzene	14.64	105	5846559	10.009	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3023456	9.356	ppbv	99
64) n-propylbenzene	15.54	120	1560397	10.713	ppbv	98
65) tert-Butylbenzene	16.72	119	5172520	10.063	ppbv	100
66) Benzyl Chloride	16.97	91	236546	9.325	ppbv #	98
67) sec-Butylbenzene	17.27	105	7273183	10.346	ppbv	100
69) p-Isopropyltoluene	17.63	119	6113359	10.756	ppbv	100
70) n-Butylbenzene	18.53	91	6119087	11.333	ppbv	100
71) 2-Chlorotoluene	15.43	91	4384023	10.628	ppbv	99
72) 4-Ethyltoluene	15.82	105	4999199	10.513	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4646694	10.758	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4825564	10.639	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2958104	10.527	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2919899	10.893	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2859378	10.593	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2135127	9.687	ppbv	99
79) Naphthalene	22.16	128	3572227	12.860	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	1003419	13.453	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2141052	12.051	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 49 Resp: 1427628

Ion Ratio Lower Upper

49 100

128 54.7 27.1 81.3

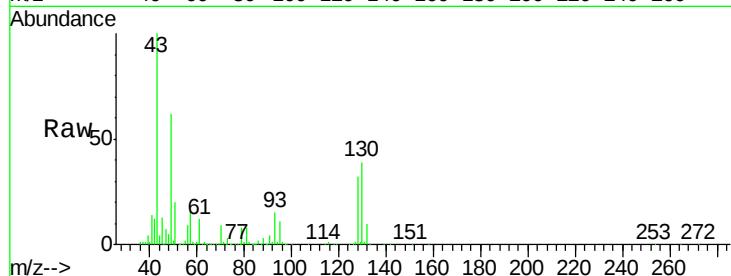
130 66.7 33.2 99.6

Manual Integrations

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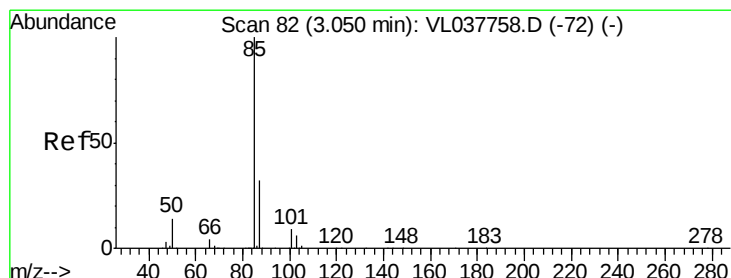
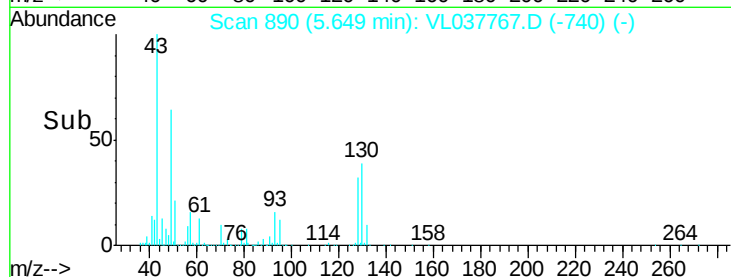
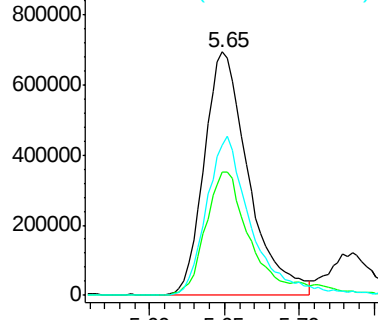
10/11/2021 7:35:56 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.165 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037767.D

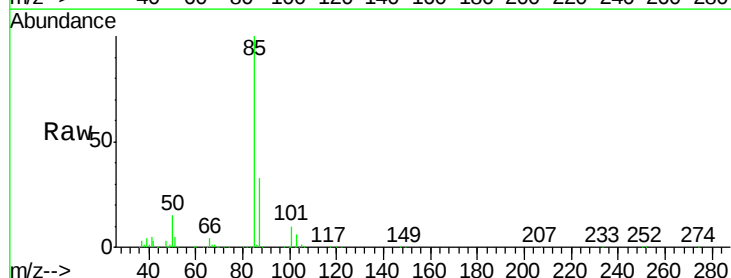
Acq: 5 Oct 2021 9:22

Tgt Ion: 85 Resp: 1861930

Ion Ratio Lower Upper

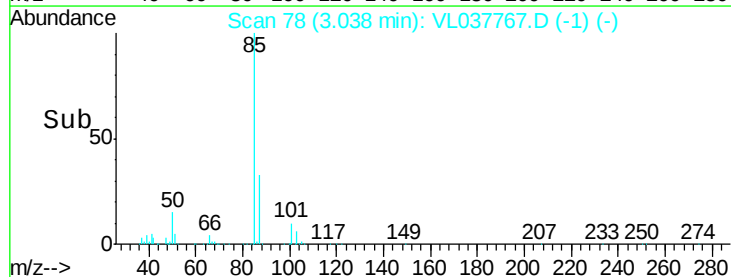
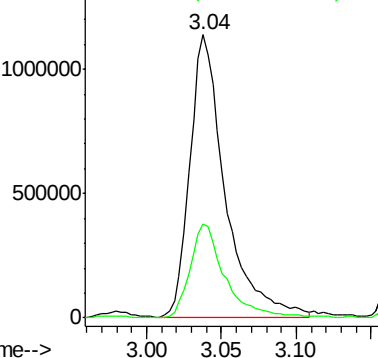
85 100

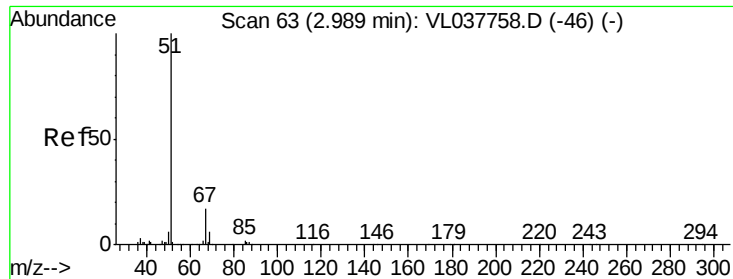
87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.307 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 51 Resp: 2552940

Ion Ratio Lower Upper

51 100

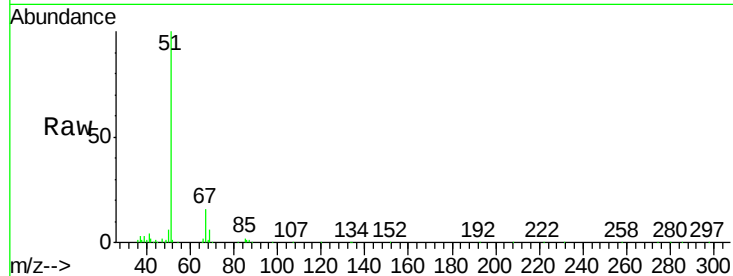
67 16.9 13.5 20.3

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

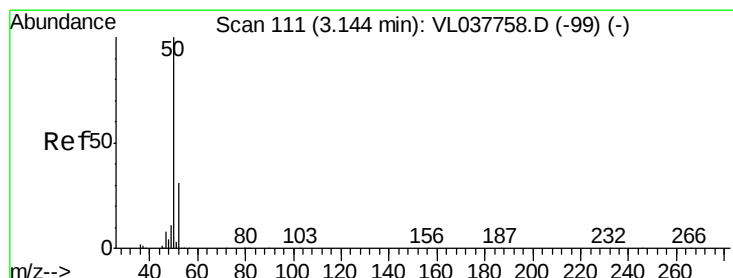
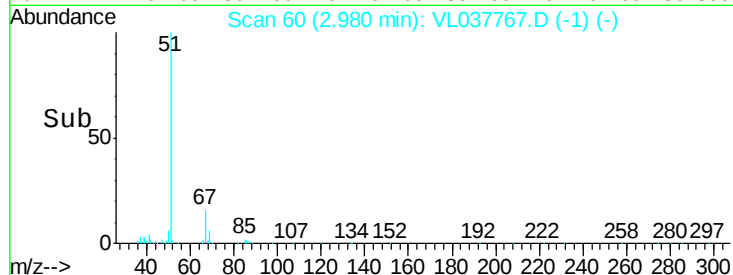
1500000

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 9.480 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037767.D

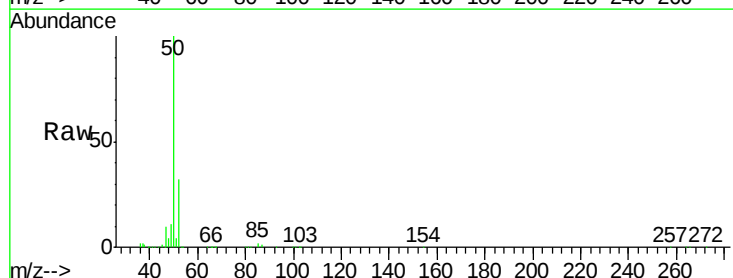
Acq: 5 Oct 2021 9:22

Tgt Ion: 50 Resp: 952439

Ion Ratio Lower Upper

50 100

52 32.4 24.4 36.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

600000

500000

400000

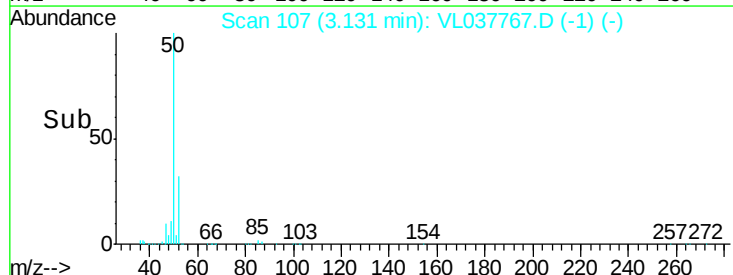
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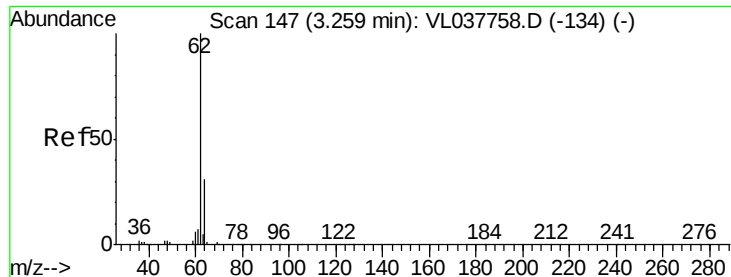
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.273 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 946127

Ion Ratio Lower Upper

62 100

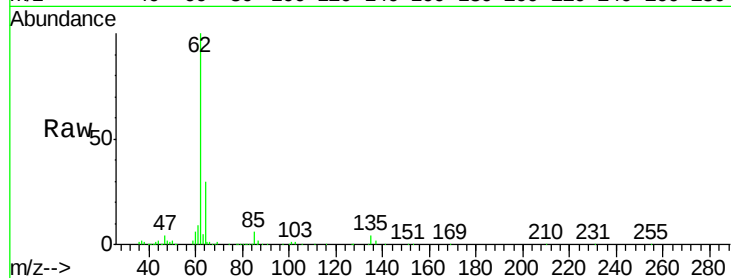
64 29.9 24.9 37.3

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

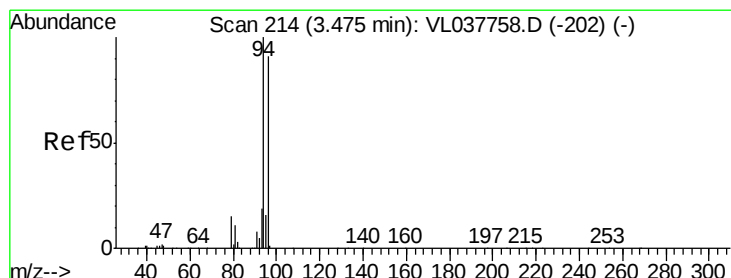
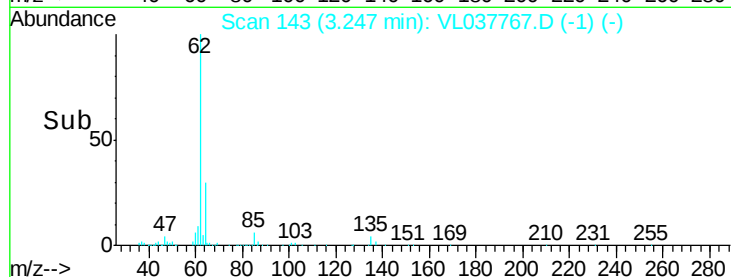
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.166 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL037767.D

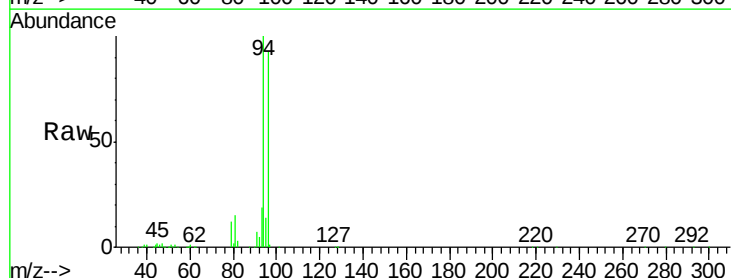
Acq: 5 Oct 2021 9:22

Tgt Ion: 94 Resp: 456663

Ion Ratio Lower Upper

94 100

96 93.4 72.5 108.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

250000

200000

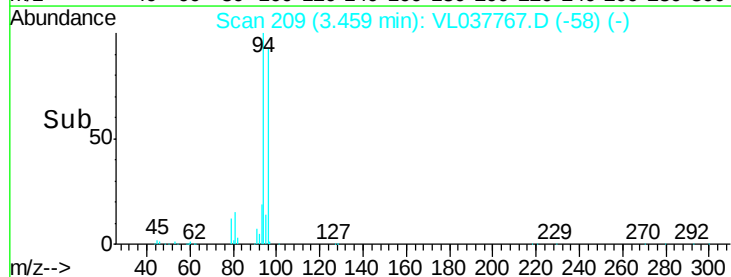
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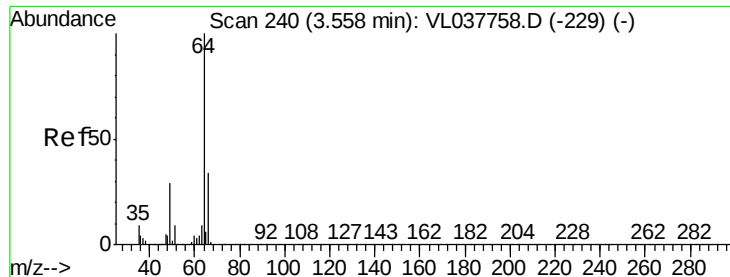
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50000

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Time-->





#7

Chloroethane

Concen: 9.520 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 322376

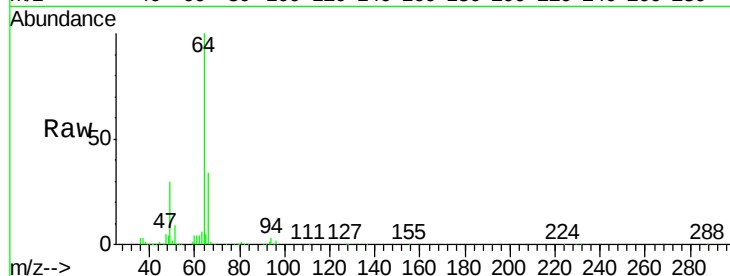
Ion Ratio Lower Upper

64 100

66 33.8 27.5 41.3

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

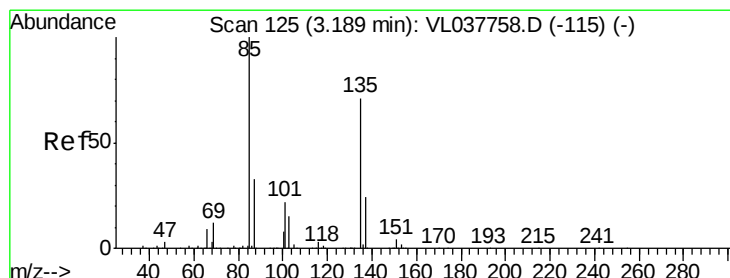
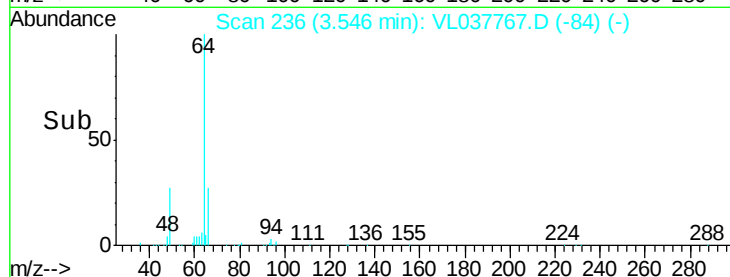
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.168 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037767.D

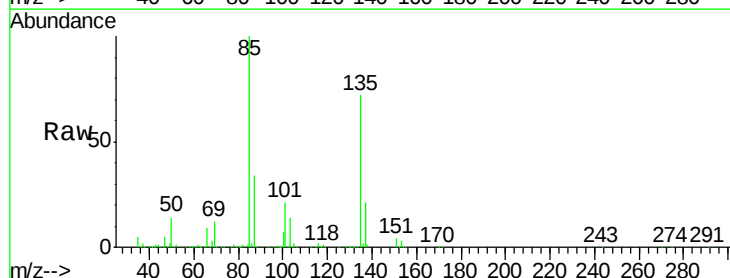
Acq: 5 Oct 2021 9:22

Tgt Ion: 85 Resp: 2066424

Ion Ratio Lower Upper

85 100

135 75.0 59.5 89.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

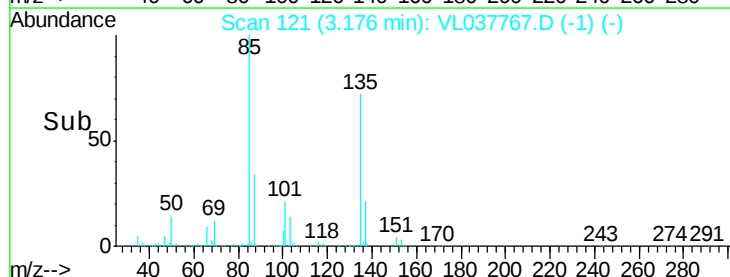
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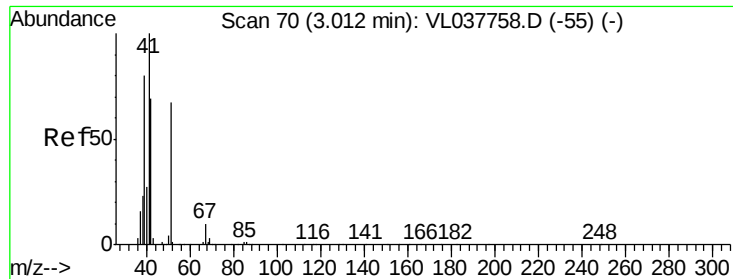
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500000

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Time-->





#9

Propene

Concen: 9.403 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 949068

Ion Ratio Lower Upper

41 100

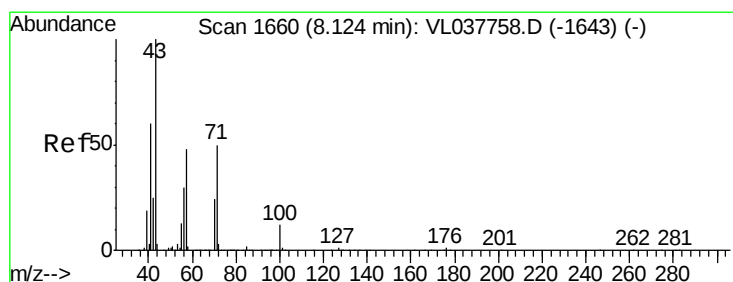
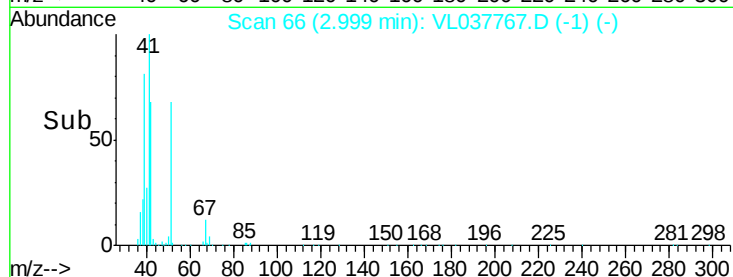
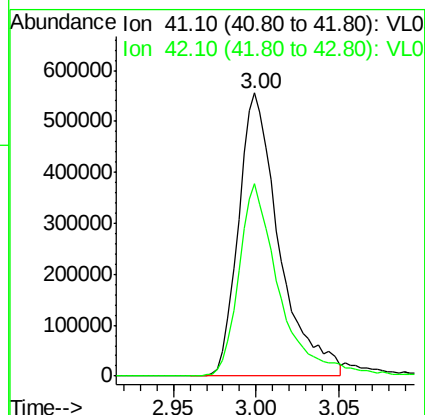
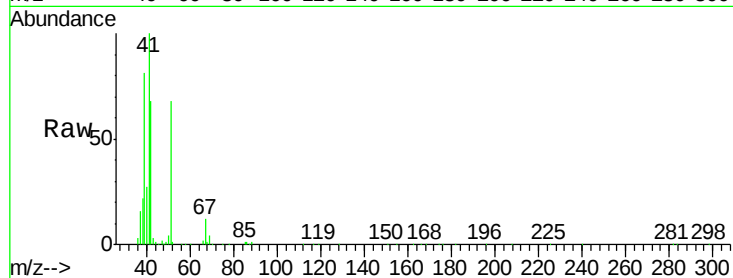
42 68.2 54.2 81.2

Manual Integrations

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#10

Heptane

Concen: 10.245 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VL037767.D

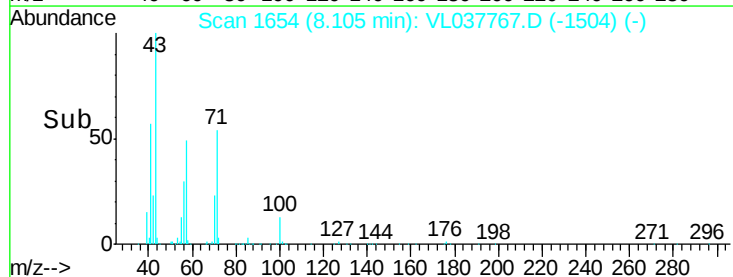
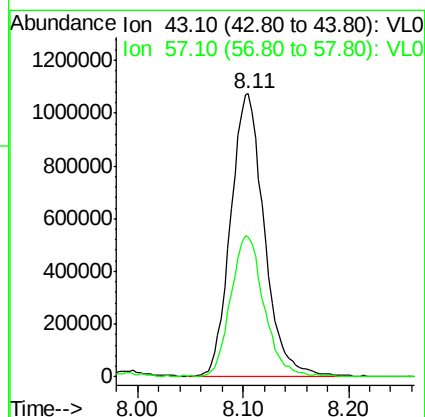
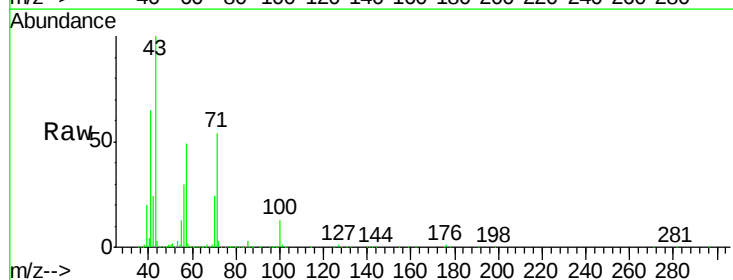
Acq: 5 Oct 2021 9:22

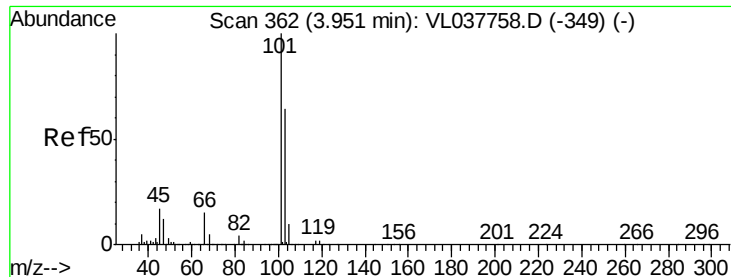
Tgt Ion: 43 Resp: 2348450

Ion Ratio Lower Upper

43 100

57 50.0 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.589 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:101 Resp: 1950784

Ion Ratio Lower Upper

101 100

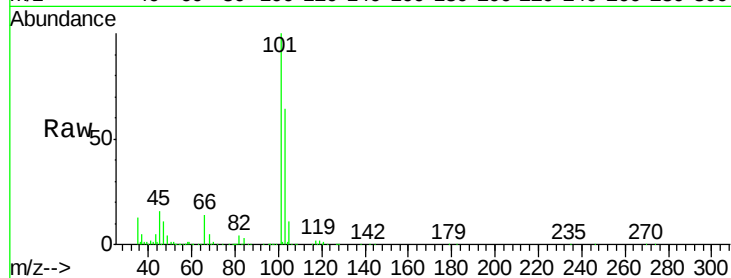
103 64.4 51.5 77.3

Manual Integrations

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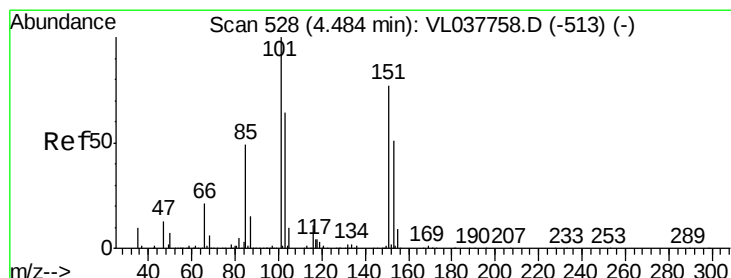
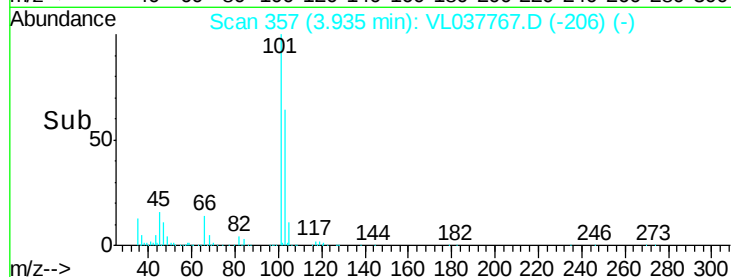
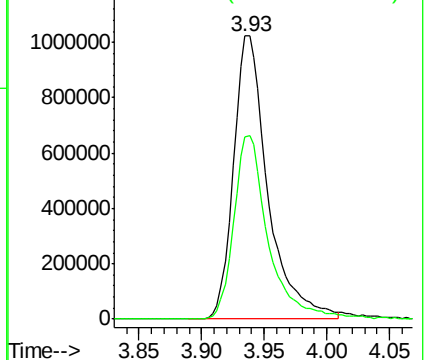
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.728 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.02 min

Lab File: VL037767.D

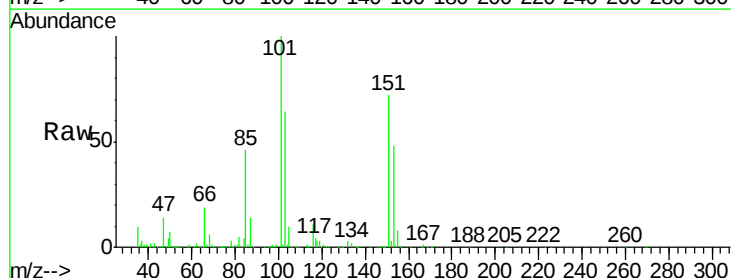
Acq: 5 Oct 2021 9:22

Tgt Ion:101 Resp: 1499539

Ion Ratio Lower Upper

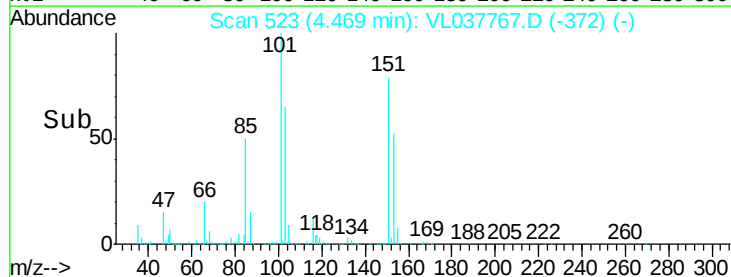
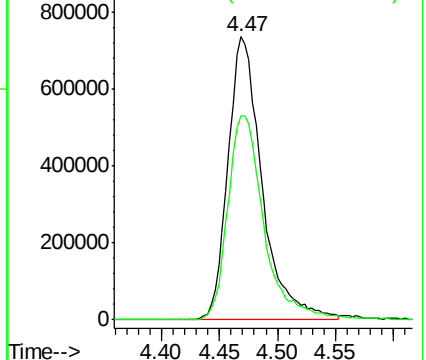
101 100

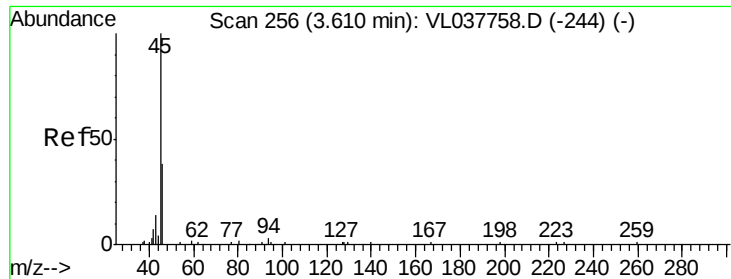
151 76.9 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 11.196 ppbv m

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 92411

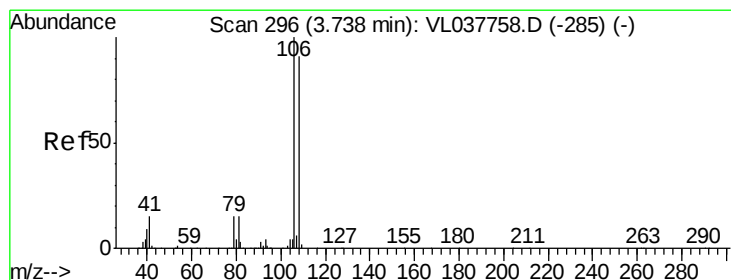
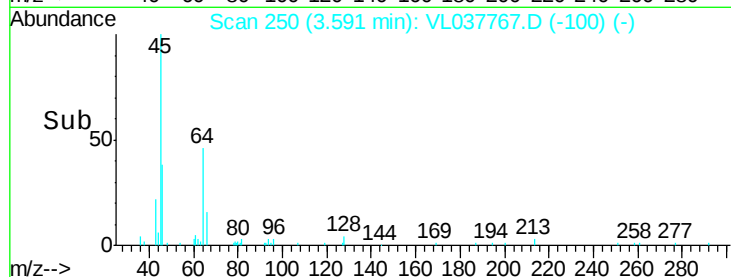
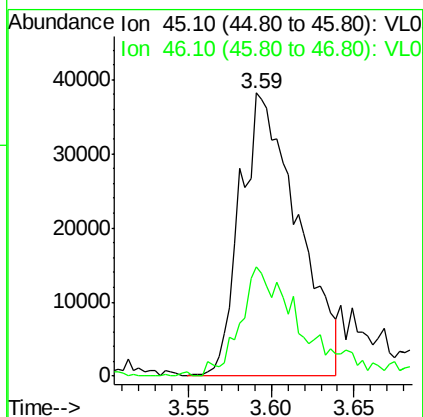
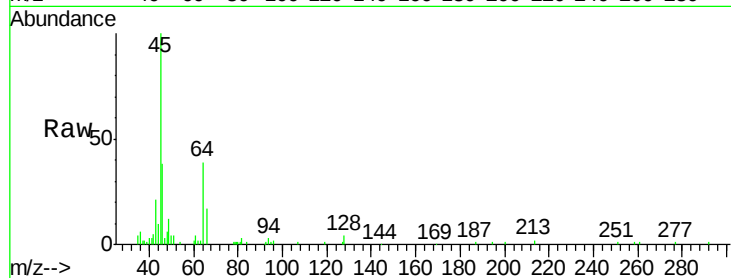
Ion Ratio Lower Upper

45 100

46 41.1 20.2 81.0

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#14

Bromoethene

Concen: 9.796 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

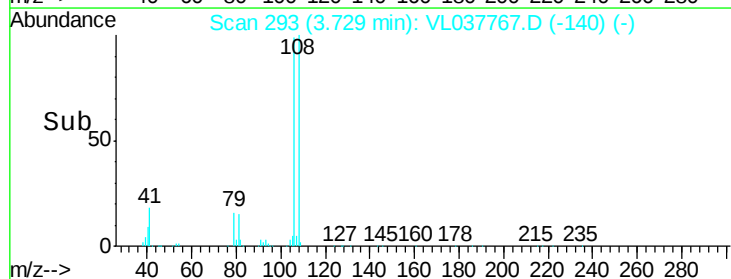
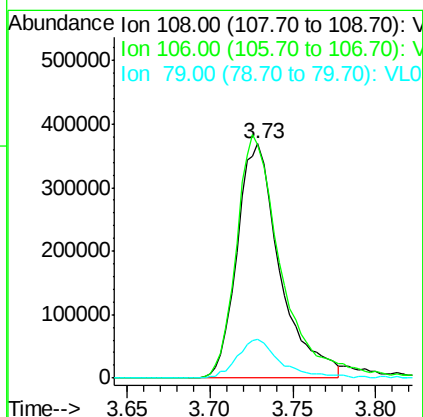
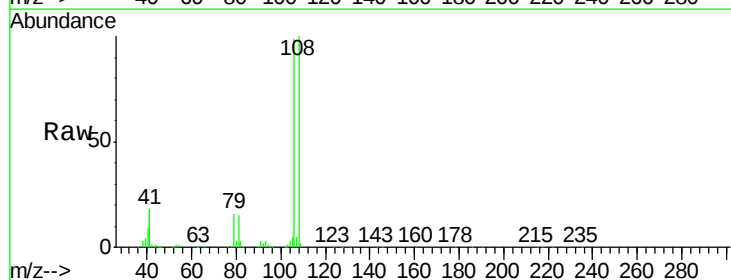
Tgt Ion: 108 Resp: 663961

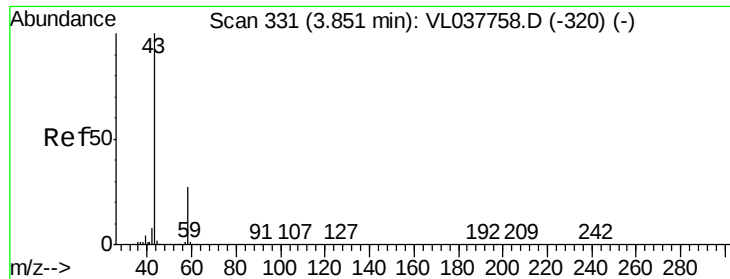
Ion Ratio Lower Upper

108 100

106 110.5 91.9 137.9

79 16.9 13.9 20.9





#15

Acetone

Concen: 9.268 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1187823

Ion Ratio Lower Upper

43 100

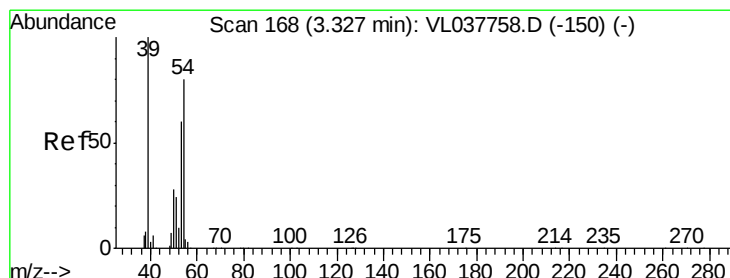
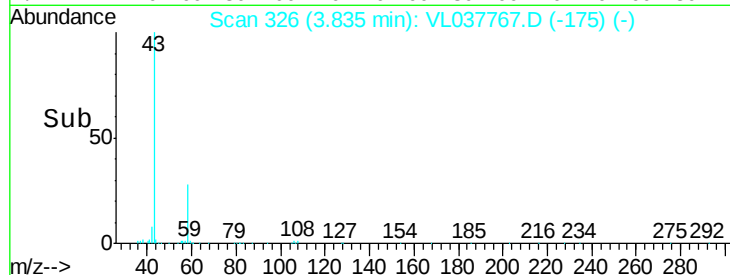
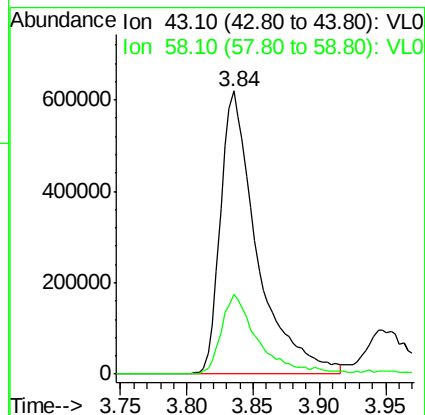
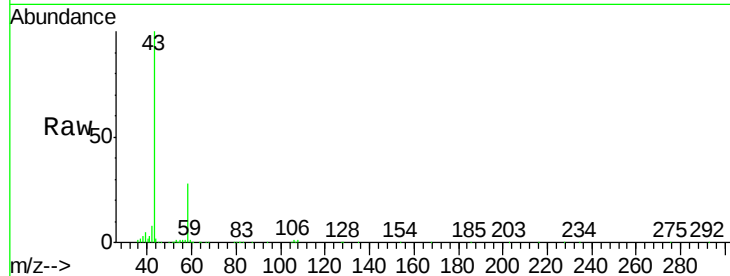
58 28.6 23.0 34.6

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#16

1,3-Butadiene

Concen: 10.027 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL037767.D

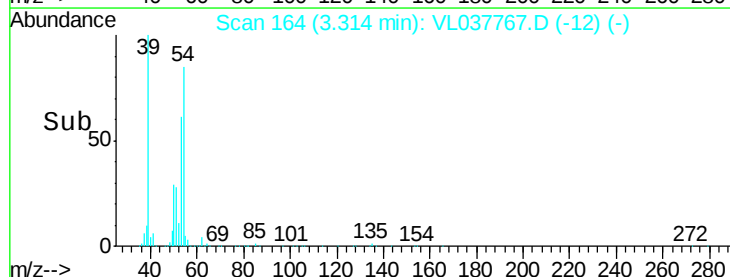
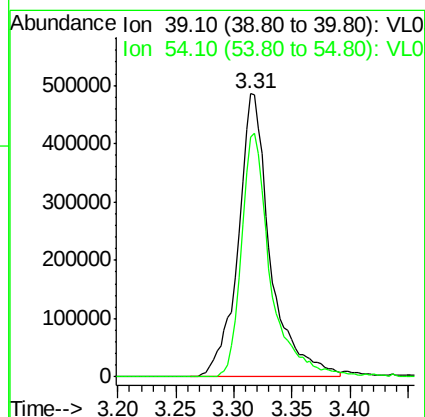
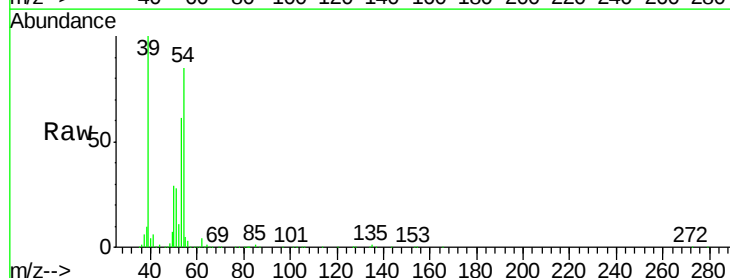
Acq: 5 Oct 2021 9:22

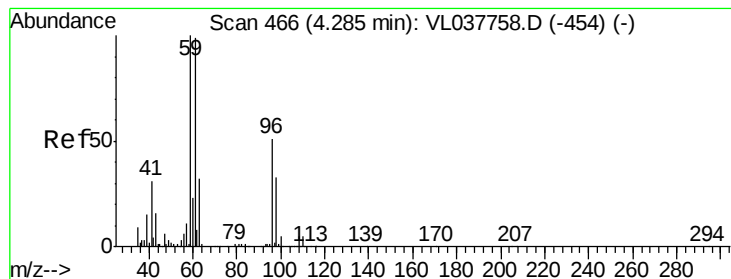
Tgt Ion: 39 Resp: 935001

Ion Ratio Lower Upper

39 100

54 78.5 61.7 92.5





#17

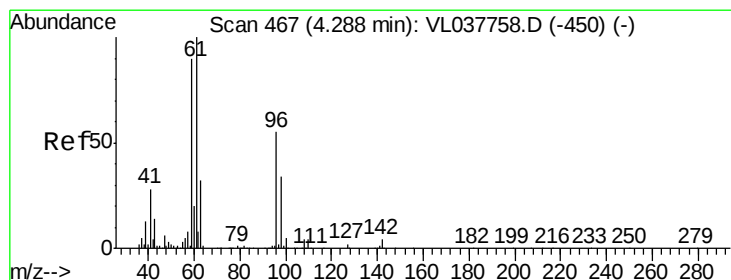
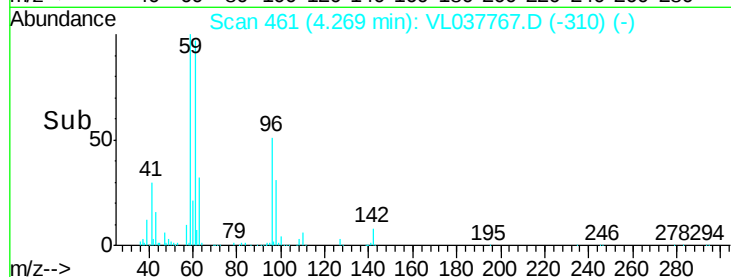
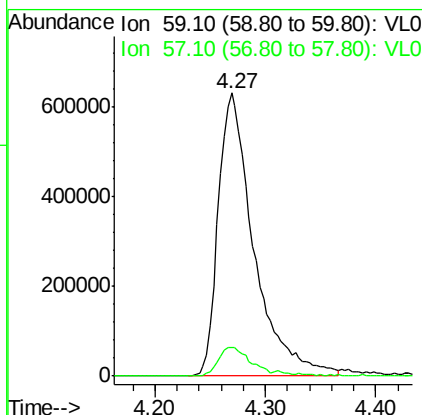
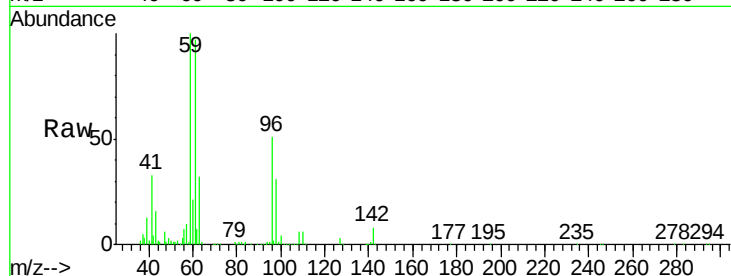
tert-Butyl alcohol
Concen: 10.713 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1414030
Ion Ratio Lower Upper
59 100
57 10.5 8.6 13.0

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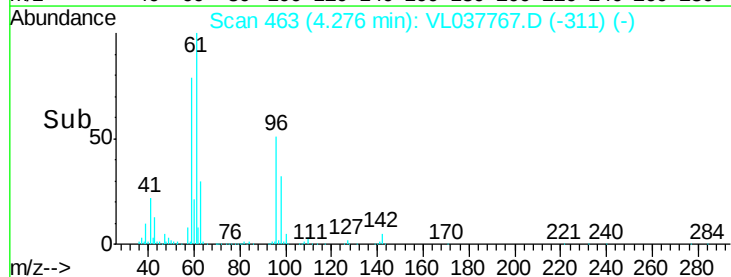
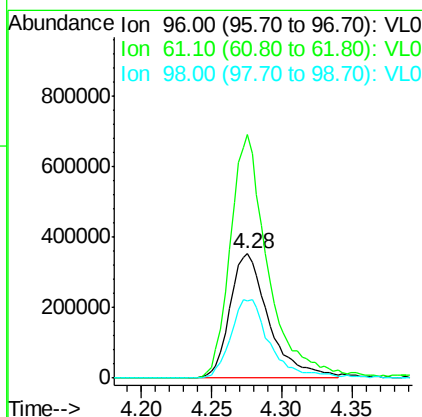
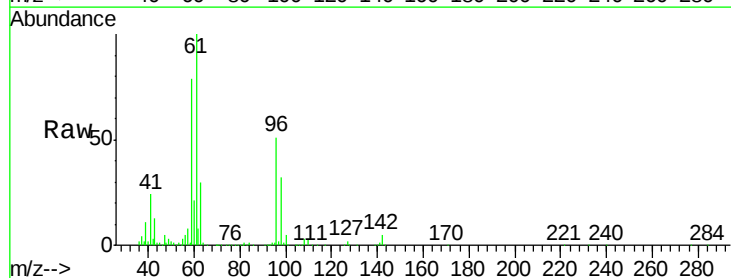
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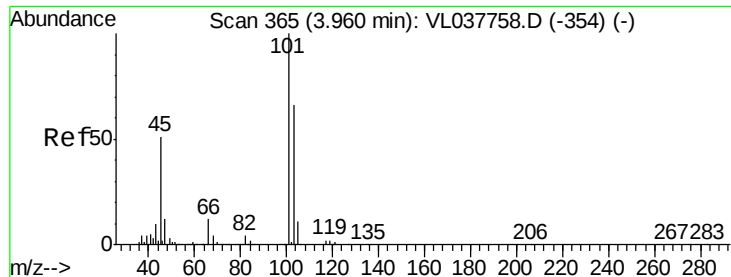


#18

1,1-Dichloroethene
Concen: 9.806 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 96 Resp: 686942
Ion Ratio Lower Upper
96 100
61 195.9 146.2 219.4
98 62.6 50.0 75.0





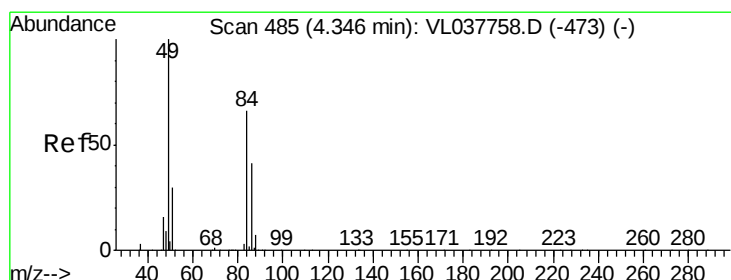
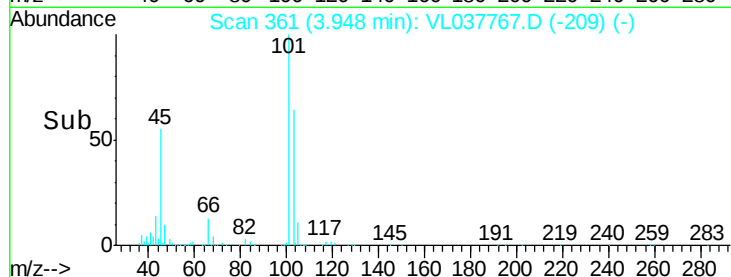
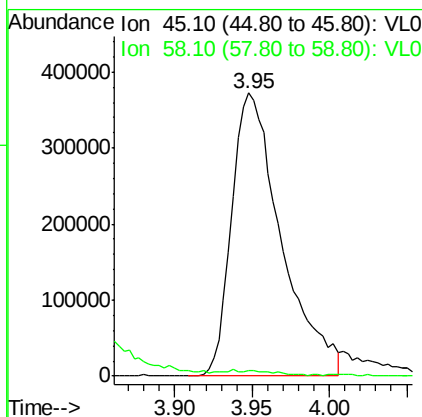
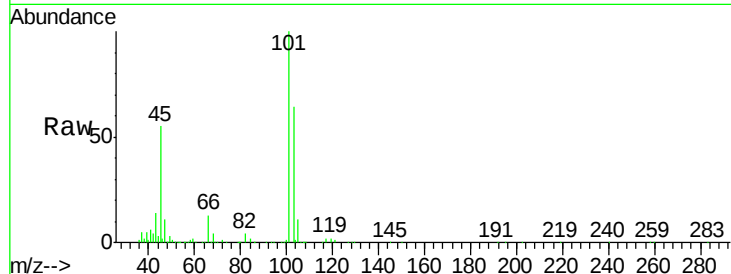
#19
Isopropyl Alcohol
Concen: 10.376 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 827293
Ion Ratio Lower Upper
45 100
58 2.3 1.1 1.7#

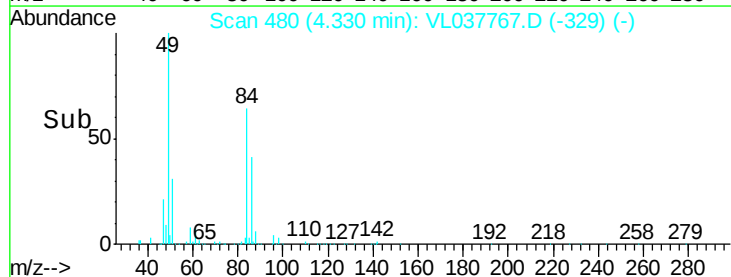
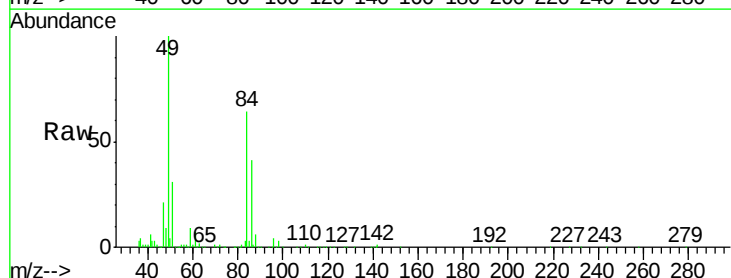
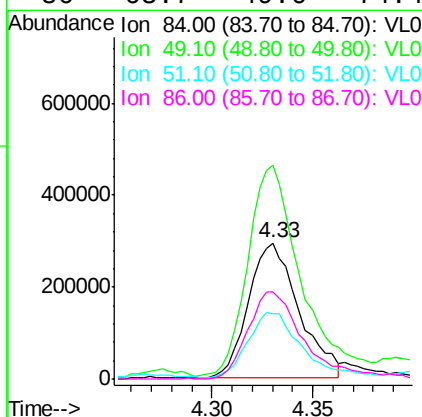
Manual Integrations
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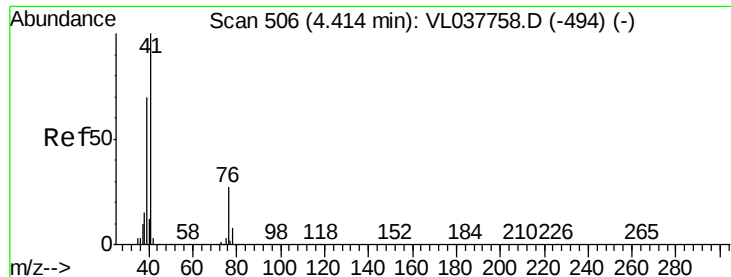
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#20
Methylene Chloride
Concen: 8.020 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 84 Resp: 519327
Ion Ratio Lower Upper
84 100
49 154.0 120.7 181.1
51 46.6 36.2 54.4
86 63.7 49.6 74.4





#21

Allyl Chloride

Concen: 9.719 ppbv

RT: 4.40 min Scan# 501

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

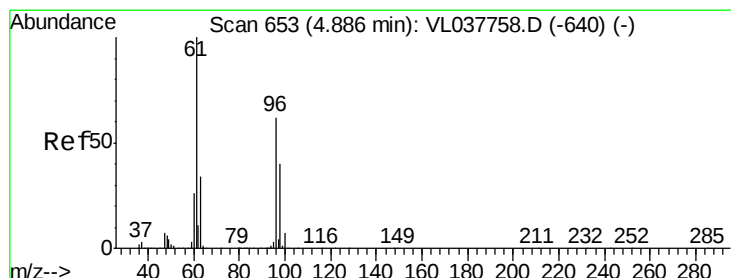
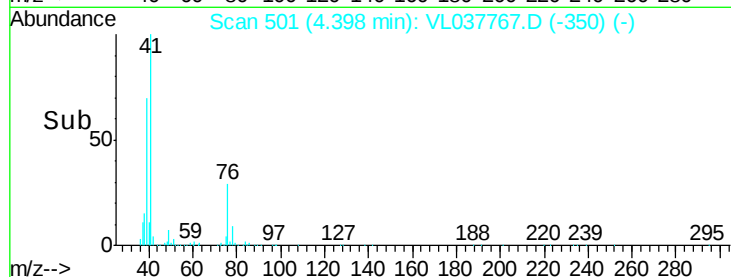
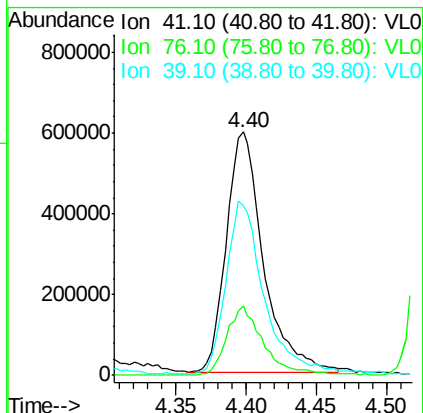
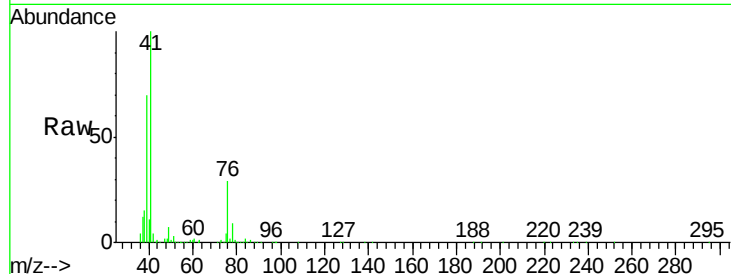
ClientSampleId :

VSTDCCC010

Tgt Ion:	41	Resp:	1103447
Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.4	33.6
39	74.3	58.0	87.0

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.846 ppbv

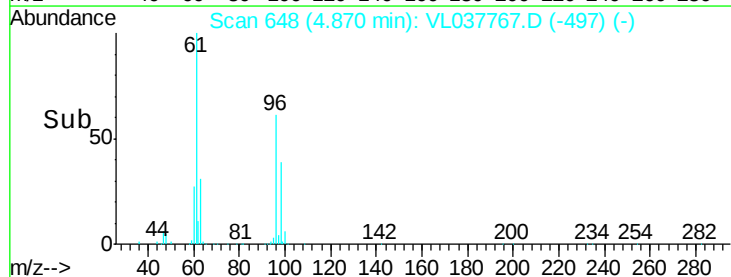
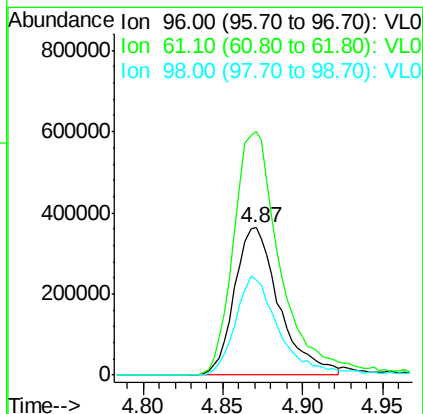
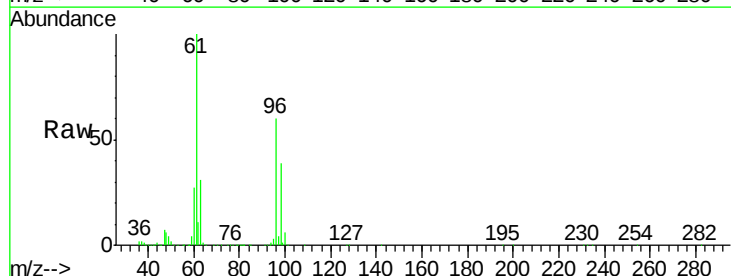
RT: 4.87 min Scan# 648

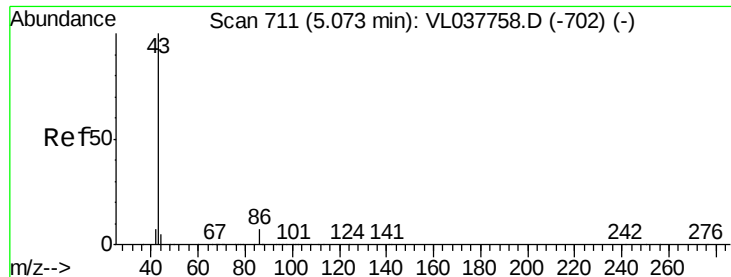
Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Tgt Ion:	96	Resp:	693429
Ion	Ratio	Lower	Upper
96	100		
61	165.5	129.0	193.6
98	64.5	51.7	77.5





#23

Vinyl Acetate

Concen: 9.042 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1736622

Ion Ratio Lower Upper

43 100

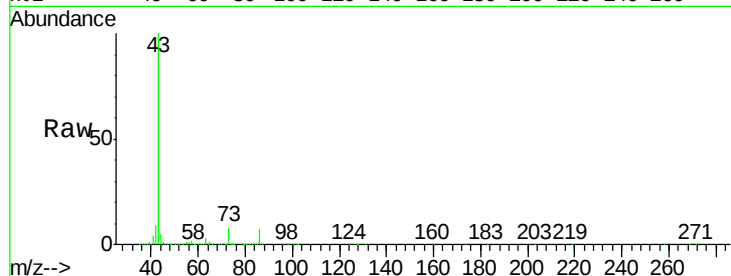
86 6.8 5.0 7.4

42 9.1 7.4 11.0

44 5.0 3.8 5.6

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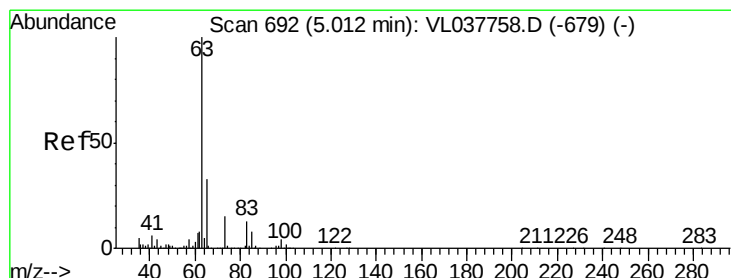
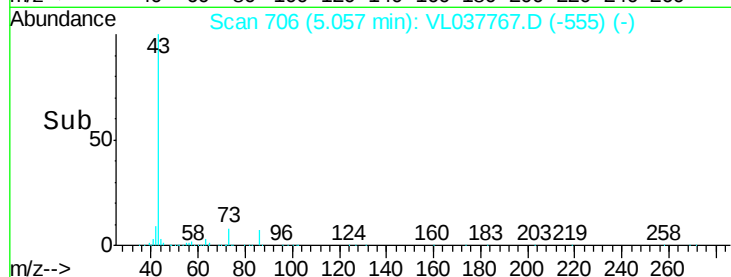
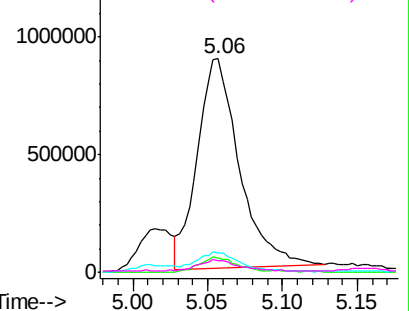


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.000 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

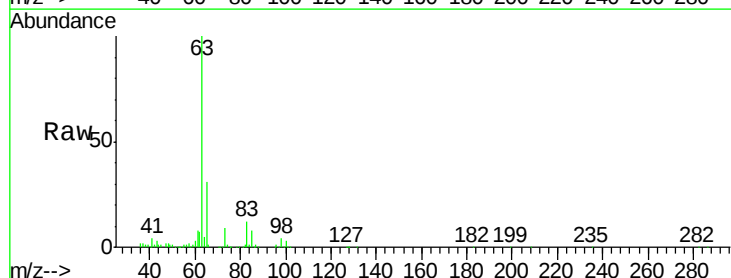
Tgt Ion: 63 Resp: 1398054

Ion Ratio Lower Upper

63 100

98 3.6 2.3 6.9

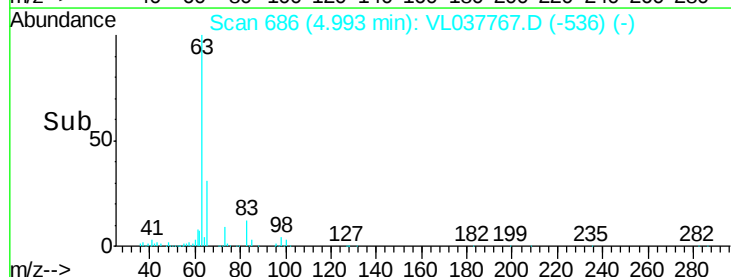
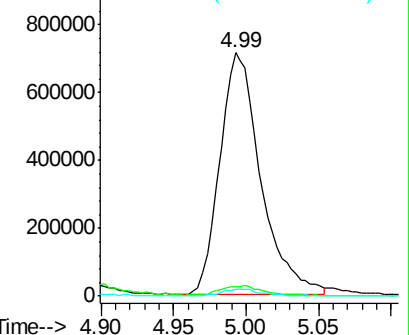
100 3.0 1.1 3.1

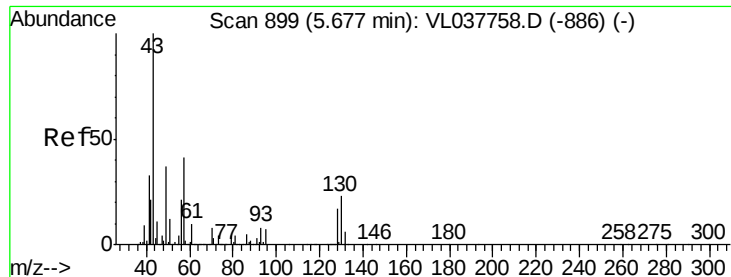


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





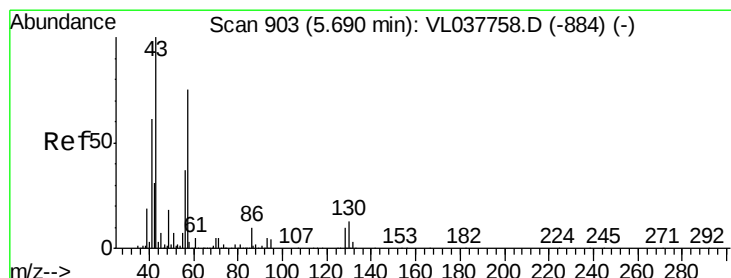
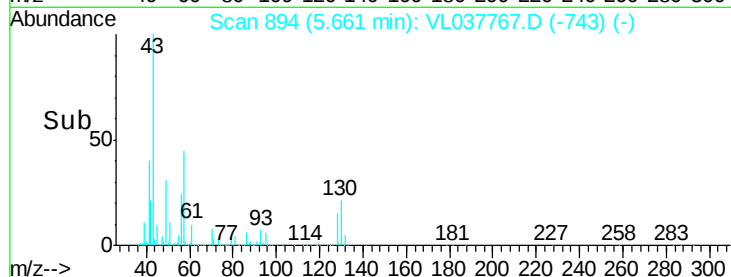
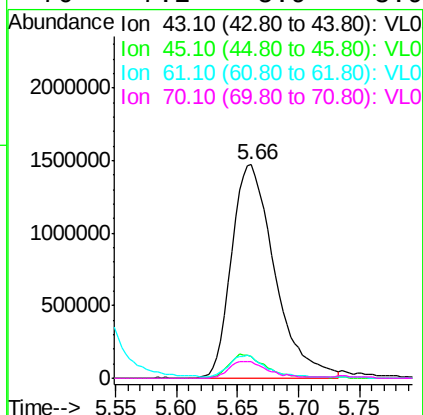
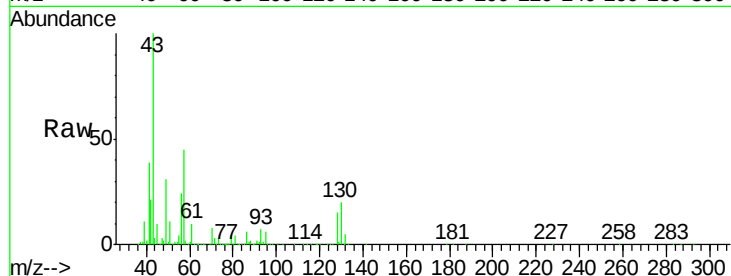
#25
Ethyl Acetate
Concen: 10.037 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	9.8	7.5	11.3
70	7.2	5.9	8.9

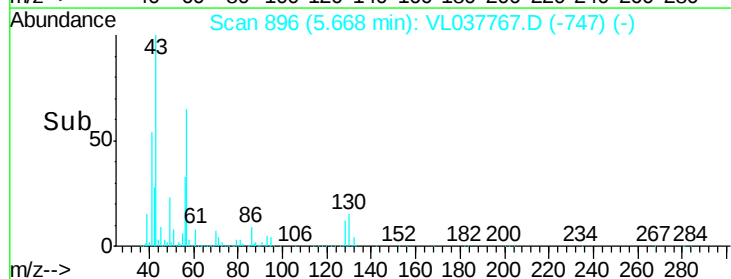
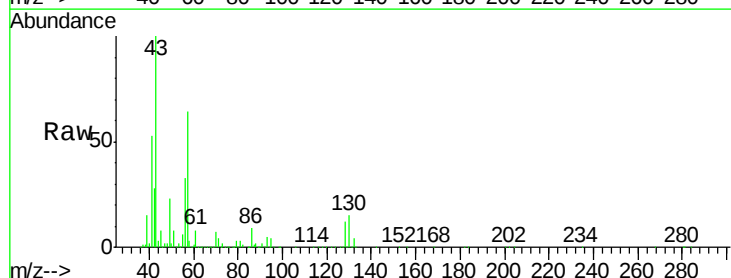
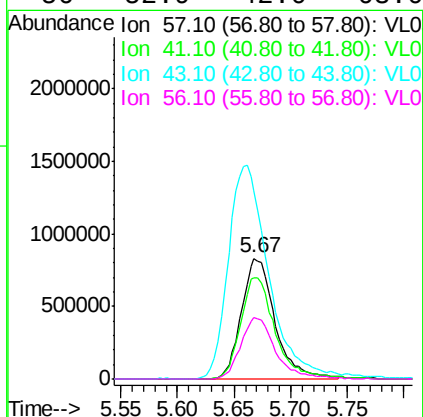
Manual Integrations
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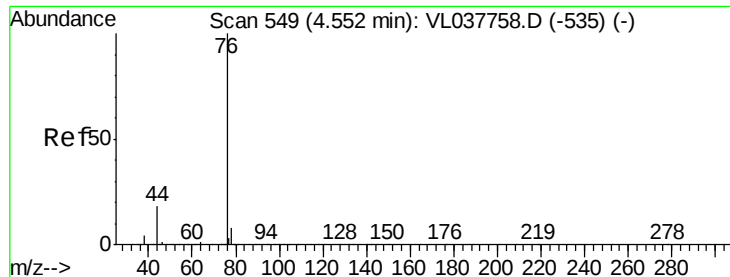
MMDadoda
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#26
Hexane
Concen: 9.743 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.9	69.6	104.4
43	214.5	171.4	257.0
56	52.9	42.0	63.0





#27

Carbon Disulfide

Concen: 10.583 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1660820

Ion Ratio Lower Upper

76 100

44 18.0 14.3 21.5

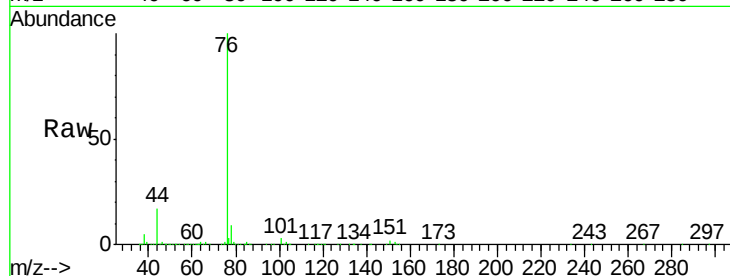
78 10.1 7.8 11.6

Manual Integrations

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MMDadoda

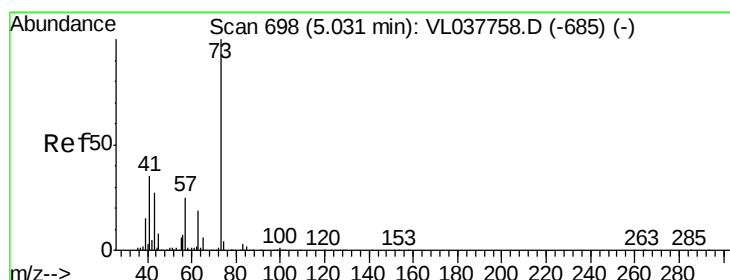
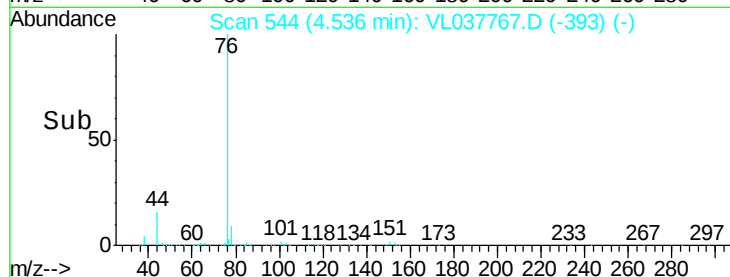
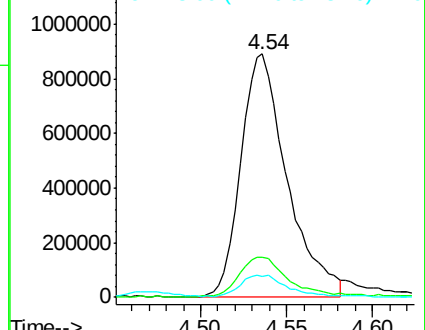
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.044 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL037767.D

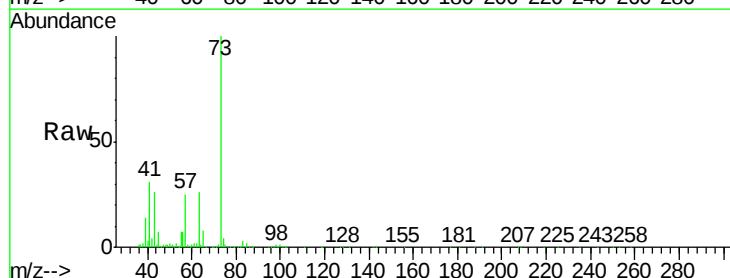
Acq: 5 Oct 2021 9:22

Tgt Ion: 73 Resp: 1480862

Ion Ratio Lower Upper

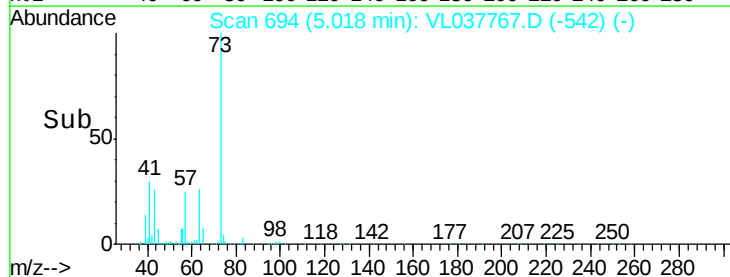
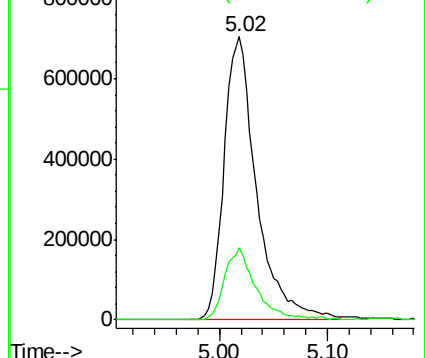
73 100

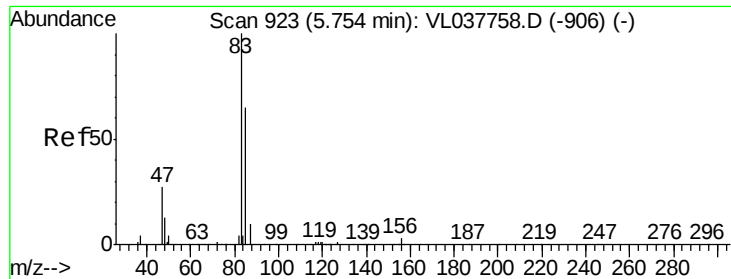
57 24.5 20.4 30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





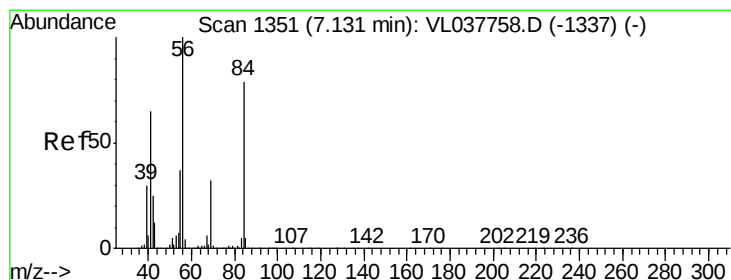
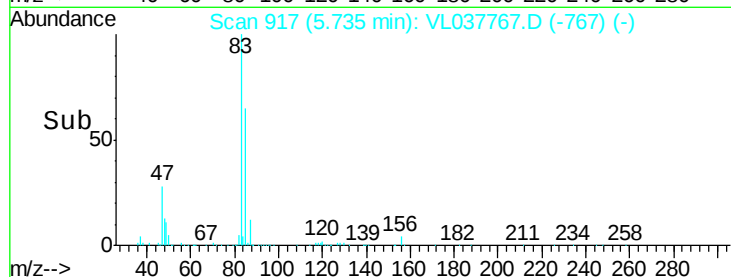
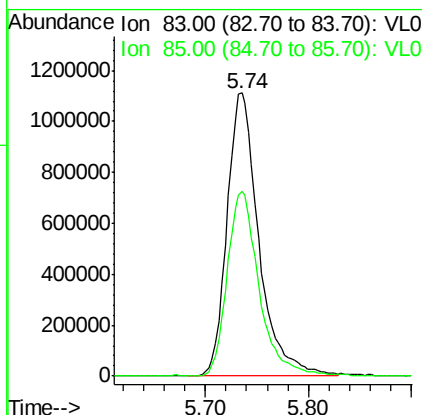
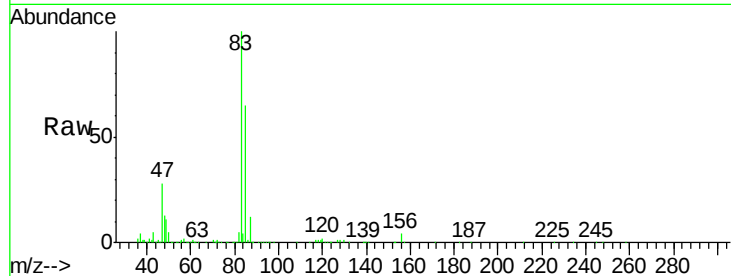
#29
Chloroform
Concen: 9.446 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2390902
Ion Ratio Lower Upper
83 100
85 65.2 51.8 77.8

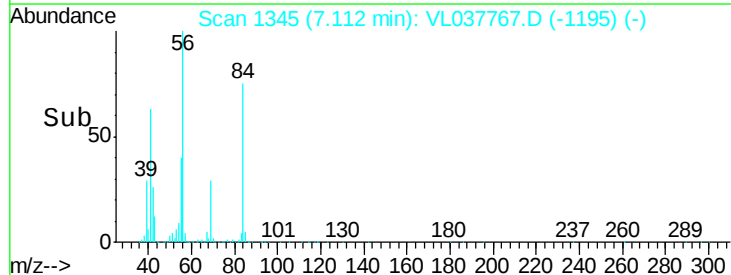
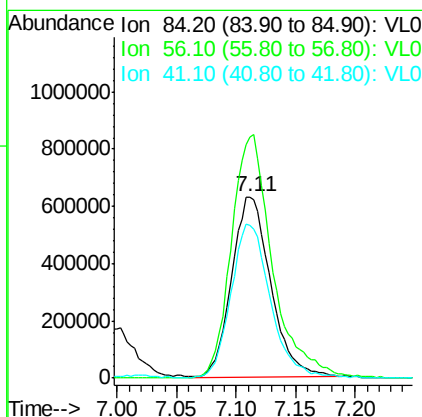
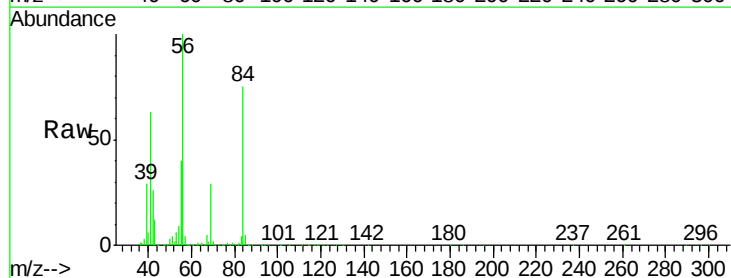
Manual Integrations
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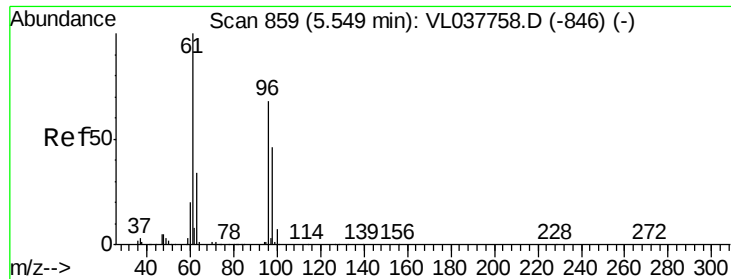
MMDadoda
10/11/2021 7:35:56 PM



#30
Cyclohexane
Concen: 9.533 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 84 Resp: 1431484
Ion Ratio Lower Upper
84 100
56 142.9 113.0 169.4
41 86.3 69.1 103.7





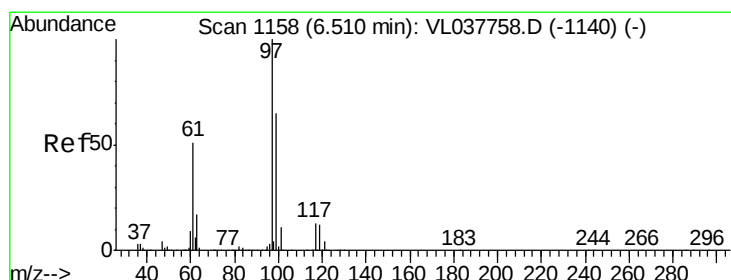
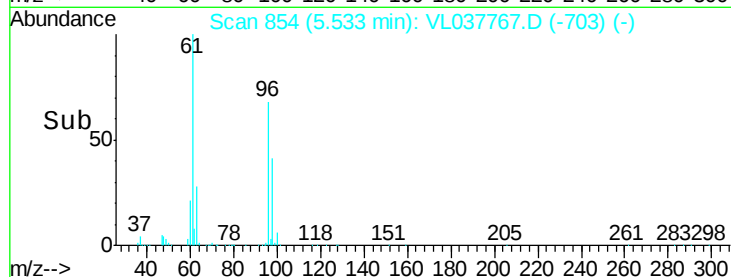
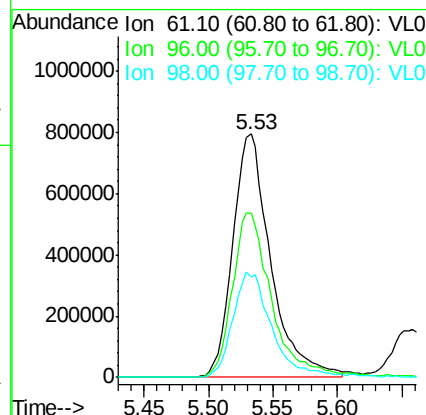
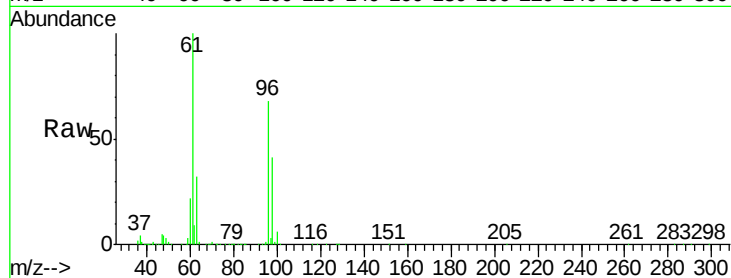
#31
 cis-1,2-Dichloroethene
 Concen: 10.098 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 61 Resp: 1623412
 Ion Ratio Lower Upper
 61 100
 96 67.4 54.2 81.2
 98 41.1 36.6 54.8

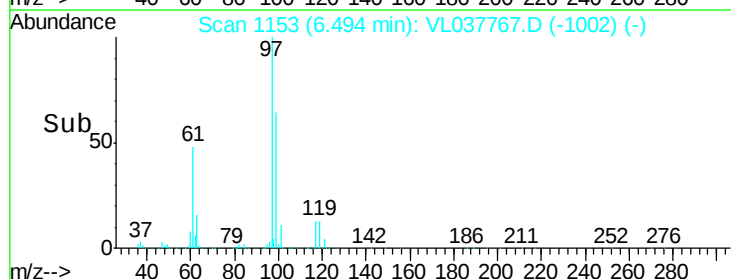
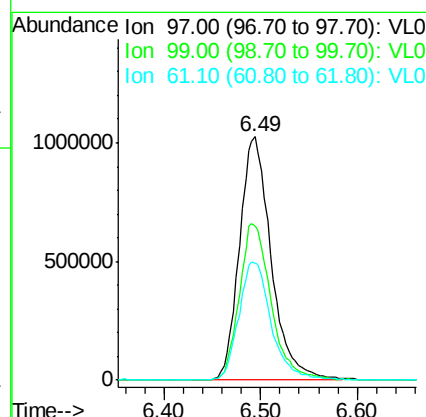
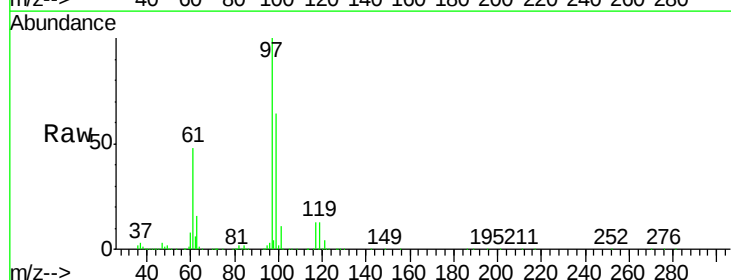
Manual Integrations
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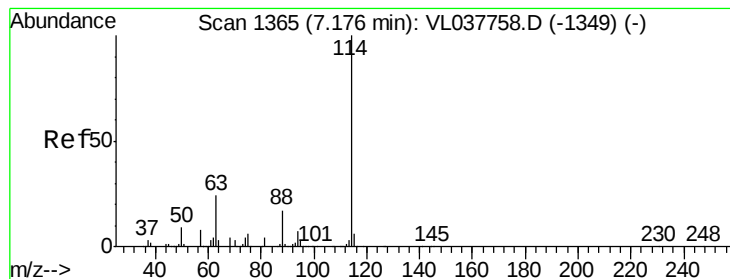
MMDadoda
 10/11/2021 7:35:56 PM



#32
 1,1,1-Trichloroethane
 Concen: 9.745 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Tgt Ion: 97 Resp: 2338510
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.6 78.8
 61 49.5 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 4236236

Ion Ratio Lower Upper

114 100

63 23.9 19.4 29.2

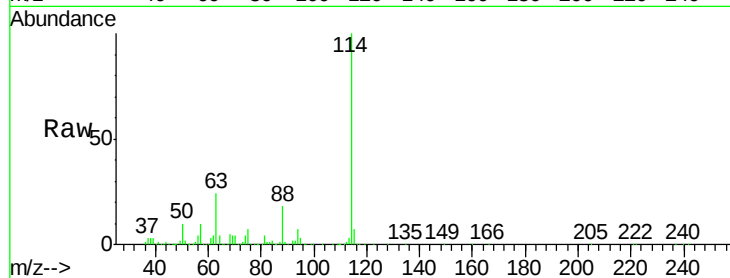
88 17.8 14.4 21.6

Manual Integrations

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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

2500000

2000000

1500000

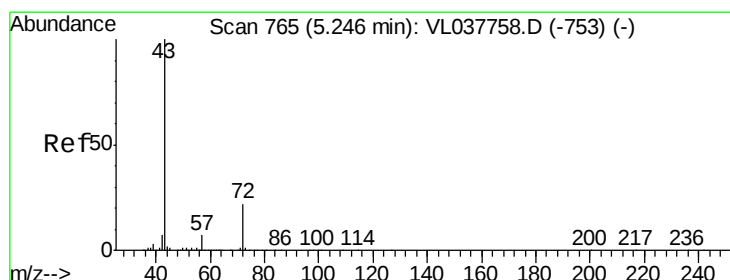
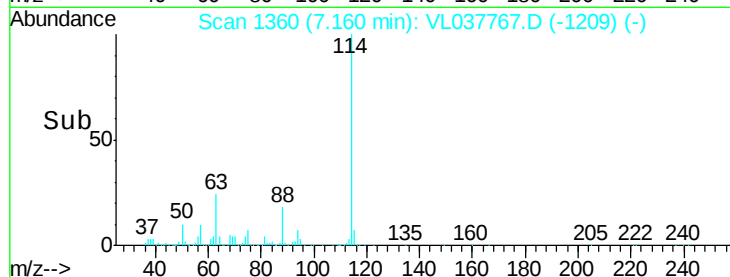
1000000

500000

0

7.10 7.20

Time-->



#34

2-Butanone

Concen: 9.255 ppbv

RT: 5.23 min Scan# 759

Delta R.T. -0.02 min

Lab File: VL037767.D

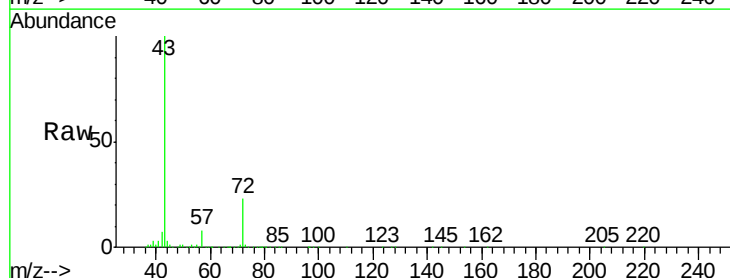
Acq: 5 Oct 2021 9:22

Tgt Ion: 43 Resp: 1582798

Ion Ratio Lower Upper

43 100

72 22.8 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

800000

600000

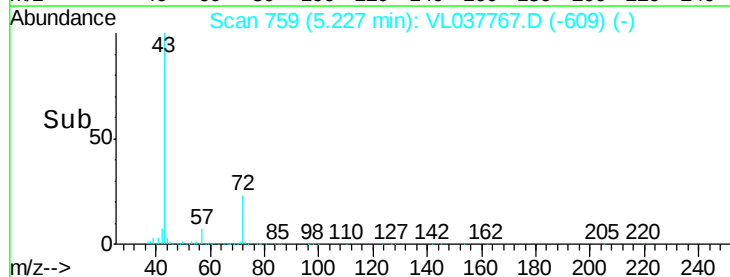
400000

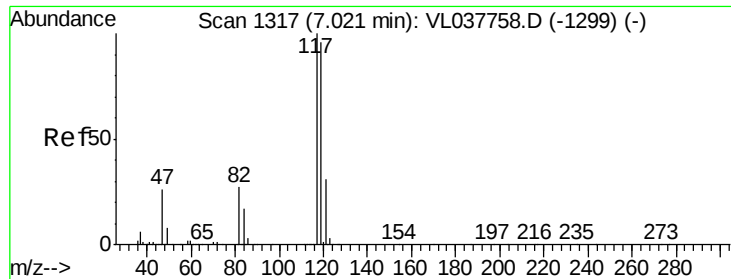
200000

0

5.20 5.30

Time-->





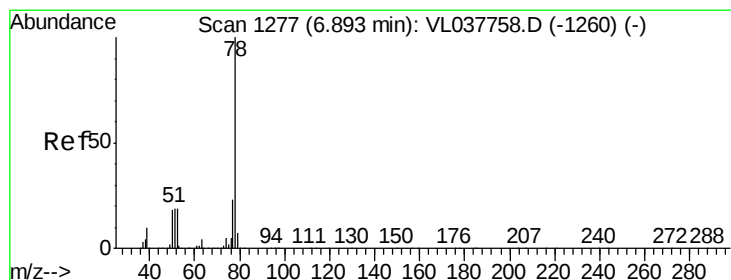
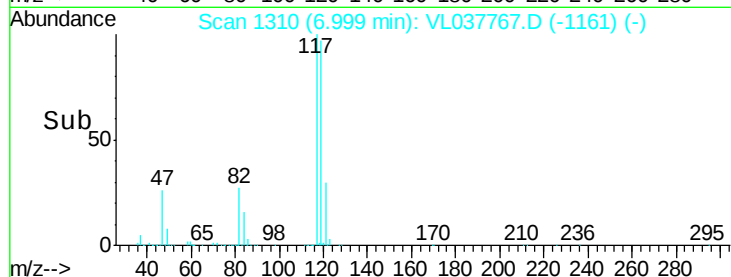
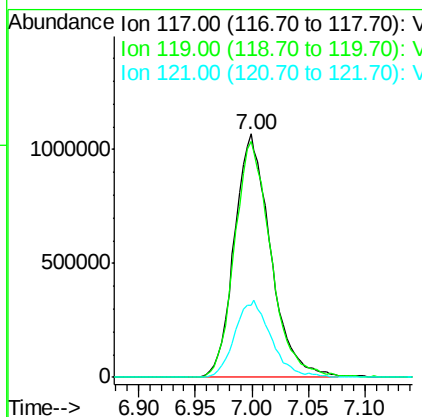
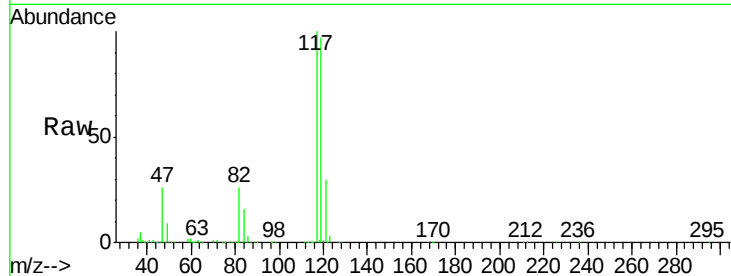
#35
Carbon Tetrachloride
Concen: 9.908 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 117 Resp: 2383634
Ion Ratio Lower Upper
117 100
119 97.0 76.5 114.7
121 29.7 24.9 37.3

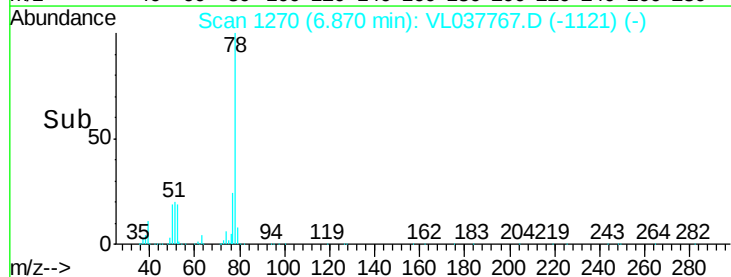
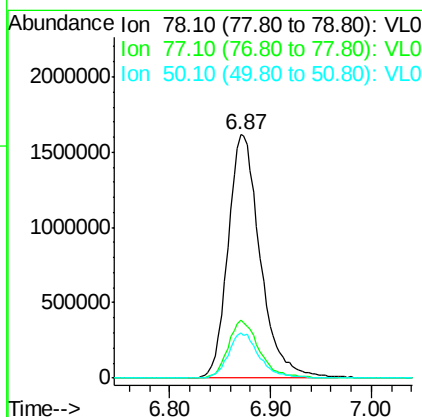
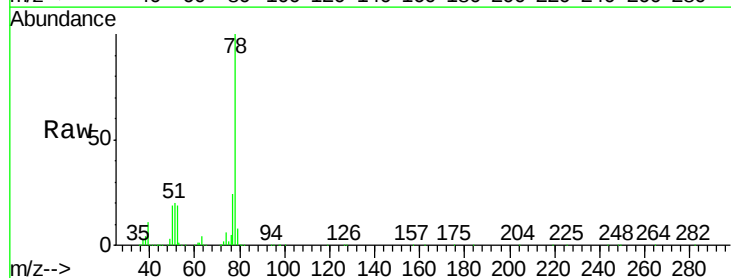
Manual Integrations
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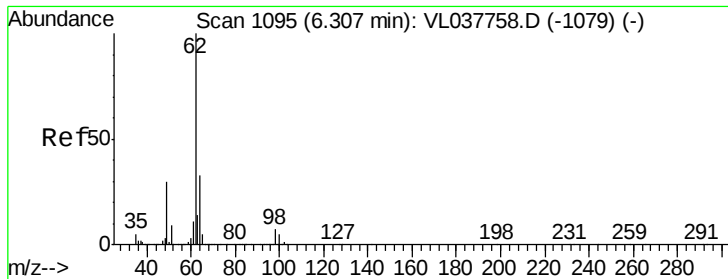
MMDadoda
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#36
Benzene
Concen: 9.946 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 78 Resp: 3598588
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2
50 18.5 14.7 22.1





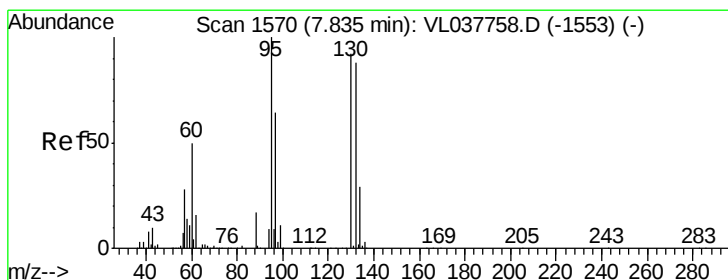
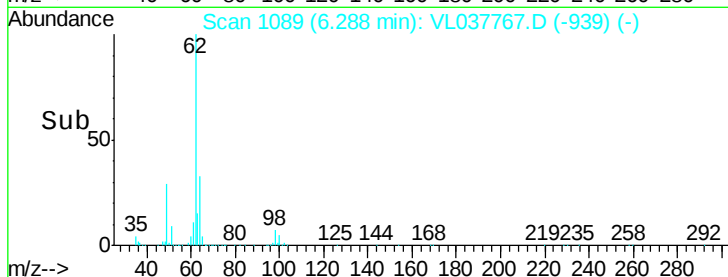
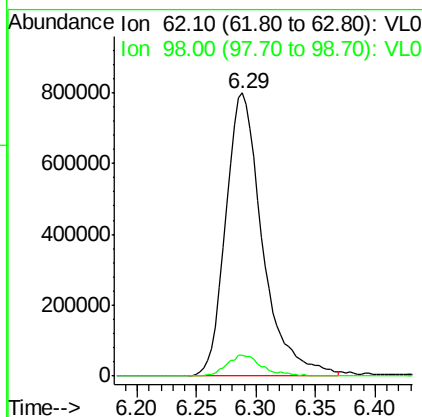
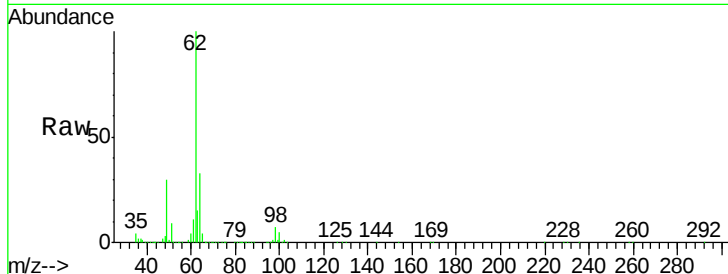
#37
 1,2-Dichloroethane
 Concen: 10.012 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1705695
 Ion Ratio Lower Upper
 62 100
 98 7.4 6.1 9.1

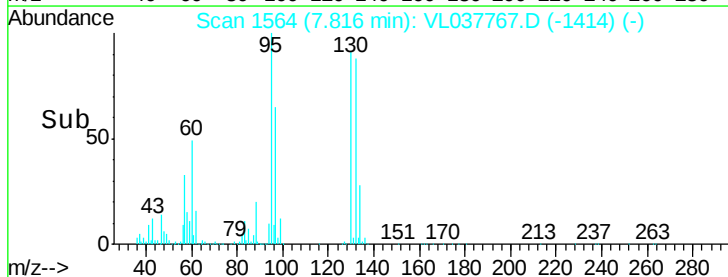
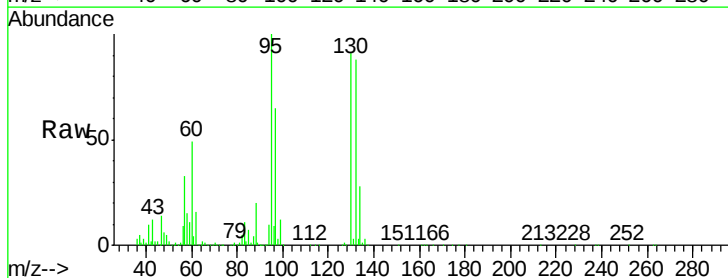
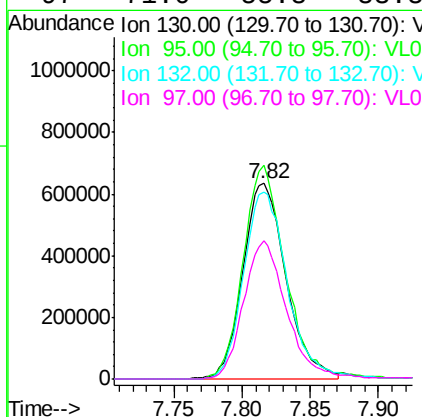
Manual Integrations
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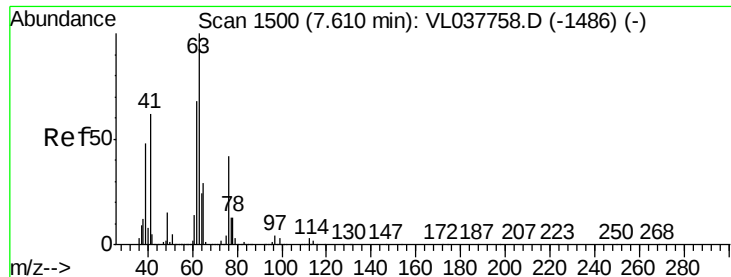
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#38
 Trichloroethene
 Concen: 9.767 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Tgt Ion: 130 Resp: 1396143
 Ion Ratio Lower Upper
 130 100
 95 109.3 87.4 131.0
 132 95.7 76.8 115.2
 97 71.0 55.8 83.8





#39

1,2-Dichloropropane

Concen: 9.915 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 1349427

Ion Ratio Lower Upper

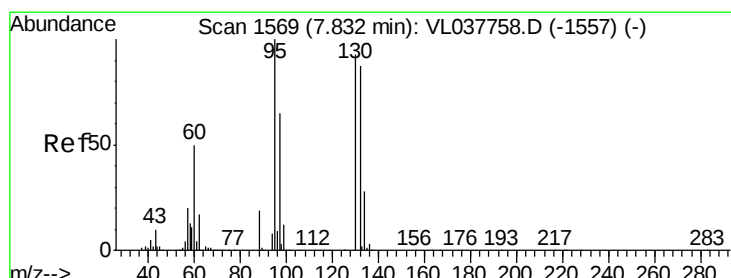
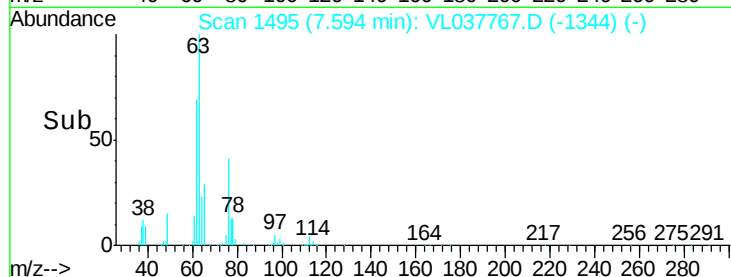
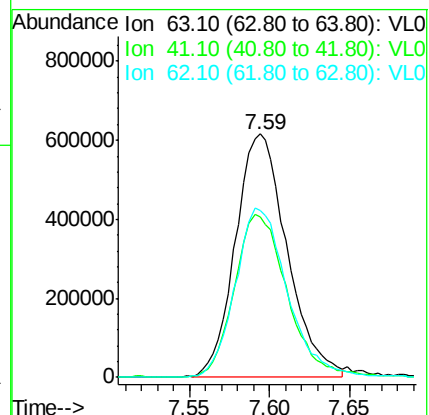
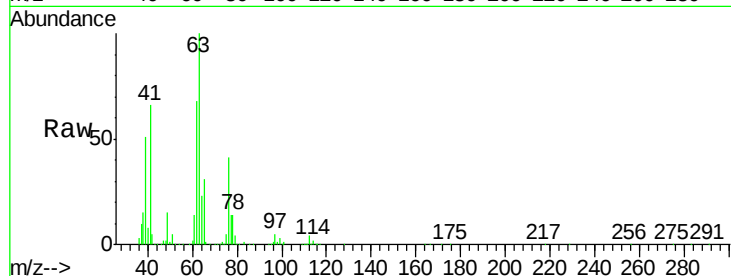
63 100

41 65.6 49.8 74.6

62 68.2 54.6 82.0

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#40

1,4-Dioxane

Concen: 10.825 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Tgt Ion: 88 Resp: 368675

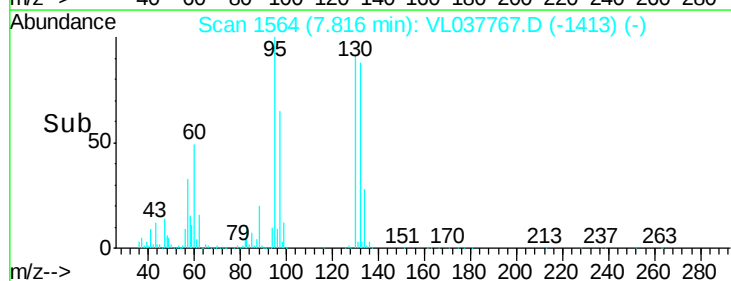
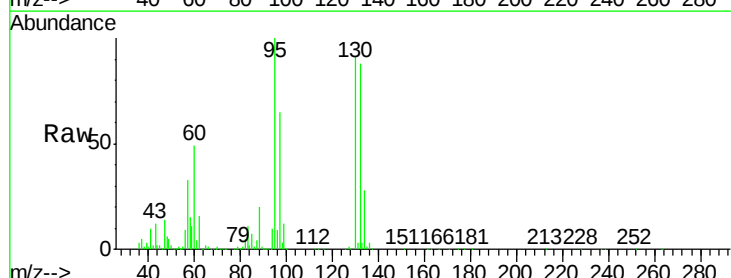
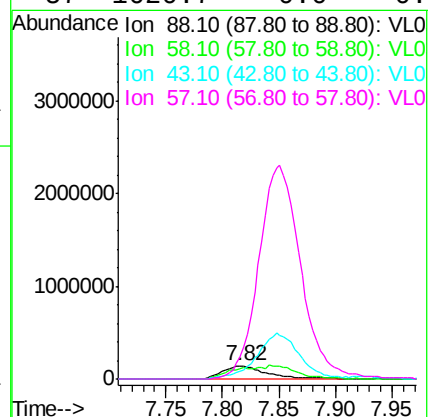
Ion Ratio Lower Upper

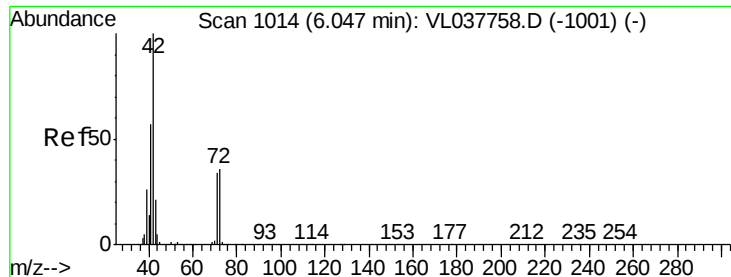
88 100

58 148.2 0.0 0.0#

43 363.4 0.0 0.0#

57 1620.7 0.0 0.0#





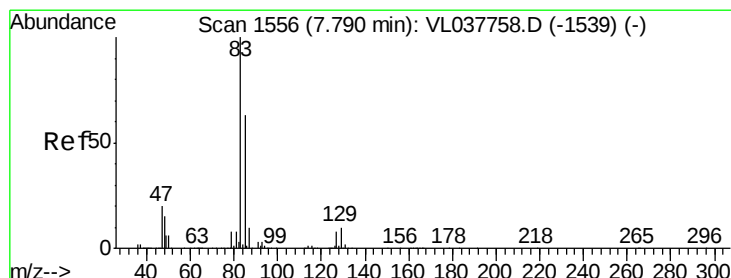
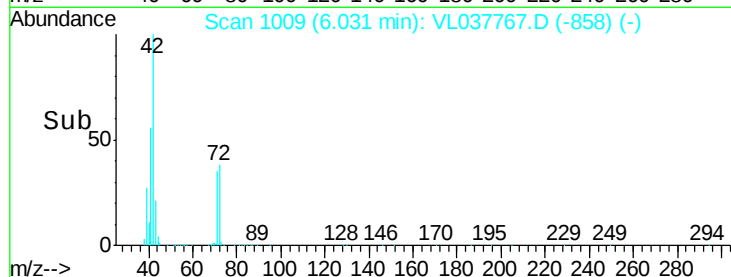
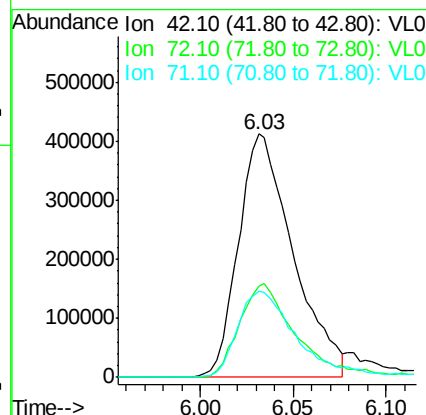
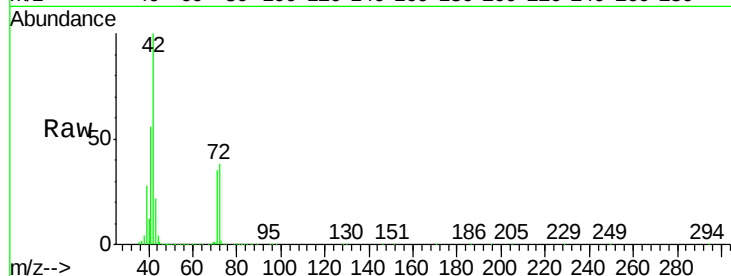
#41
Tetrahydrofuran
Concen: 10.059 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.3	31.9	47.9
71	39.5	30.3	45.5

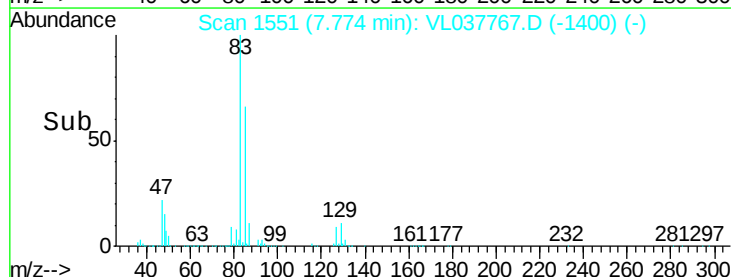
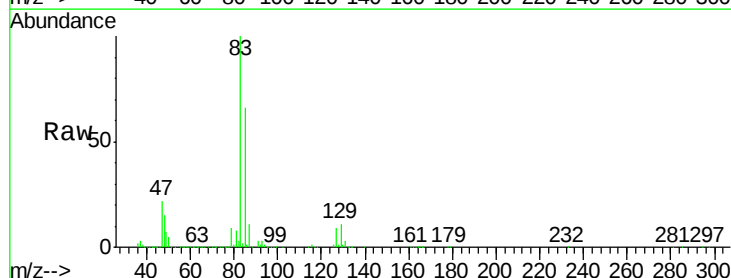
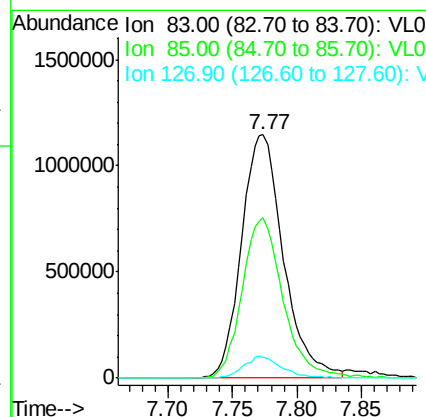
Manual Integrations
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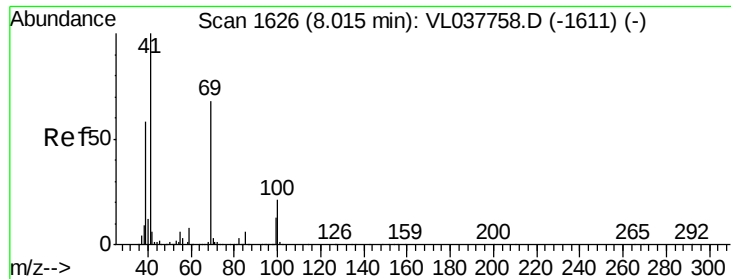
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#42
Bromodichloromethane
Concen: 10.368 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.6	75.8
127	8.8	6.2	9.4





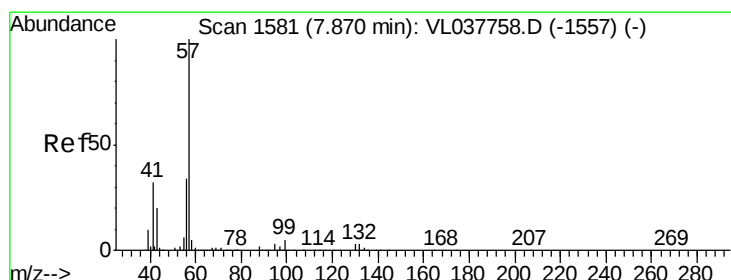
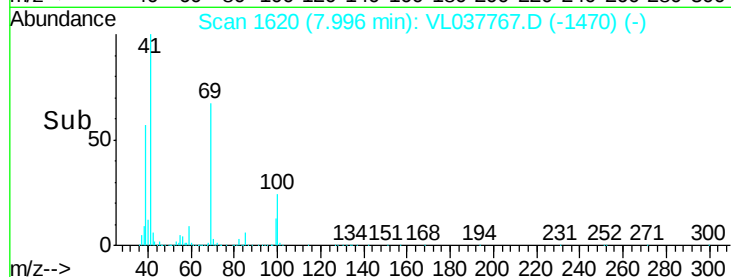
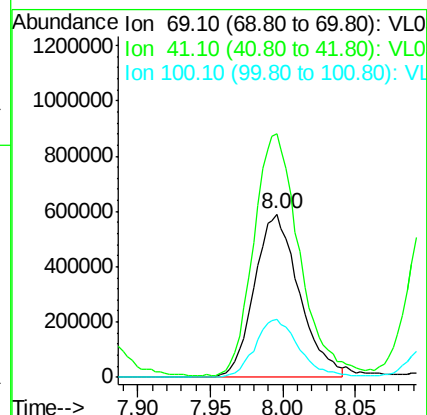
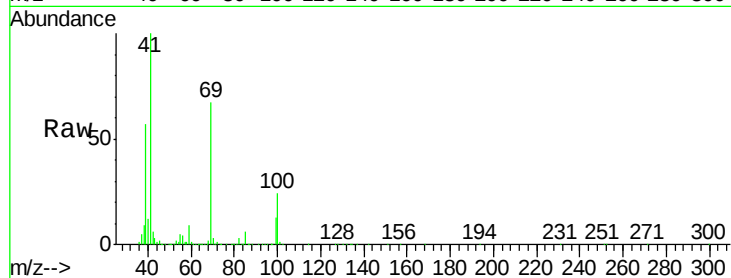
#43
Methyl Methacrylate
Concen: 10.745 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1269843
Ion Ratio Lower Upper
69 100
41 153.2 121.0 181.4
100 35.5 27.7 41.5

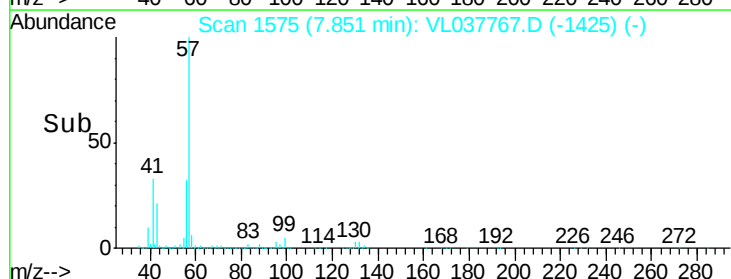
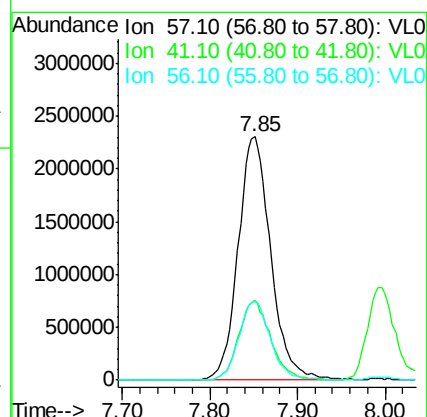
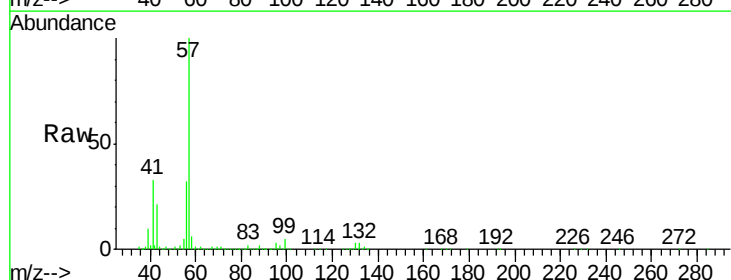
Manual Integrations
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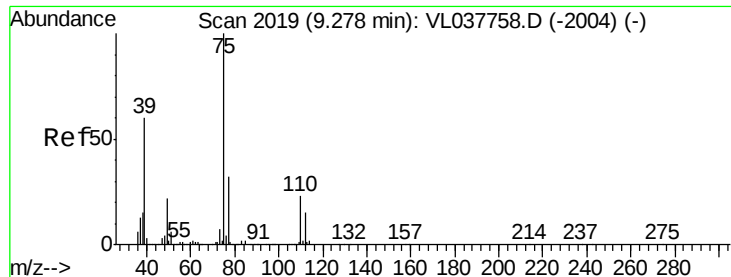
MMDadoda
10/11/2021 7:35:56 PM



#44
2,2,4-Trimethylpentane
Concen: 9.794 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 57 Resp: 5953636
Ion Ratio Lower Upper
57 100
41 32.1 25.6 38.4
56 31.6 25.5 38.3





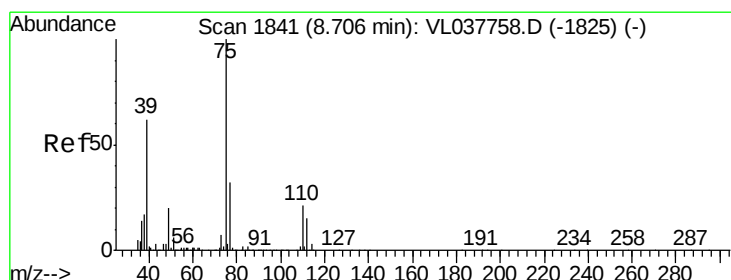
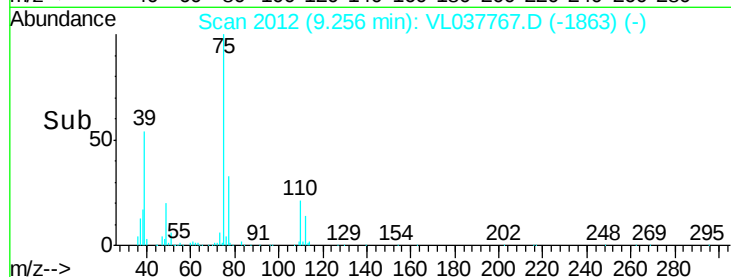
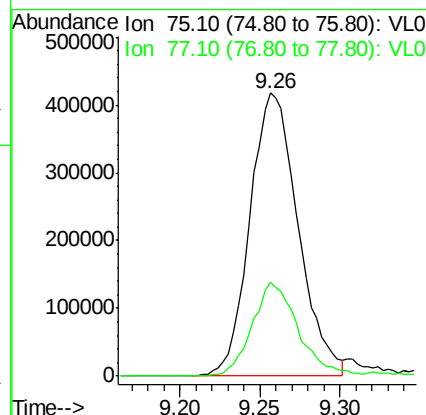
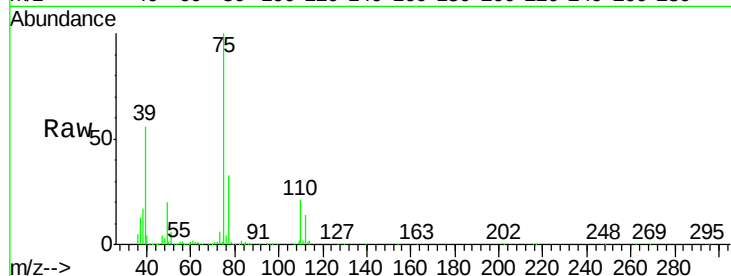
#45
t-1,3-Dichloropropene
Concen: 10.557 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 858501
Ion Ratio Lower Upper
75 100
77 33.2 25.2 37.8

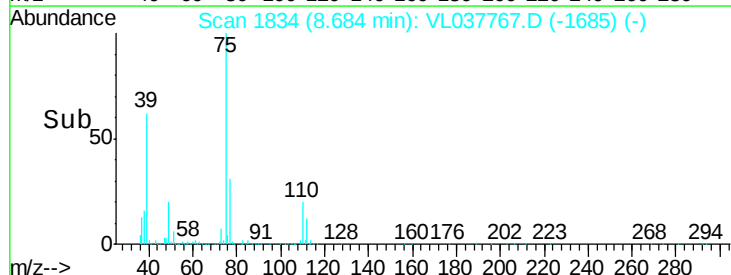
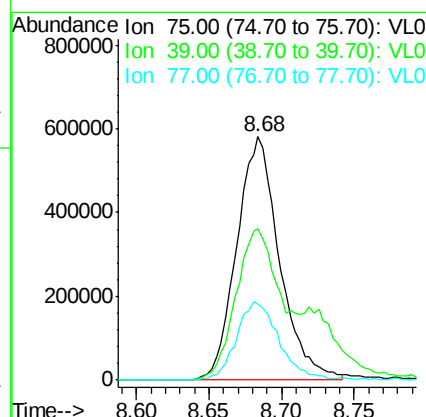
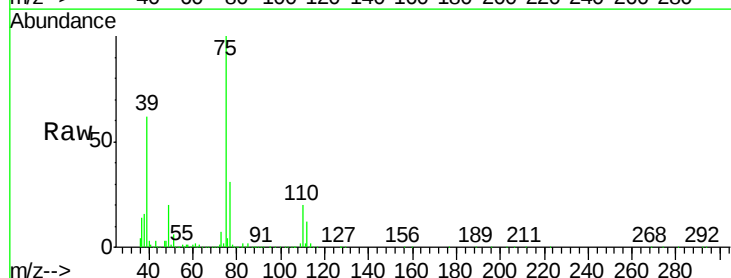
Manual Integrations
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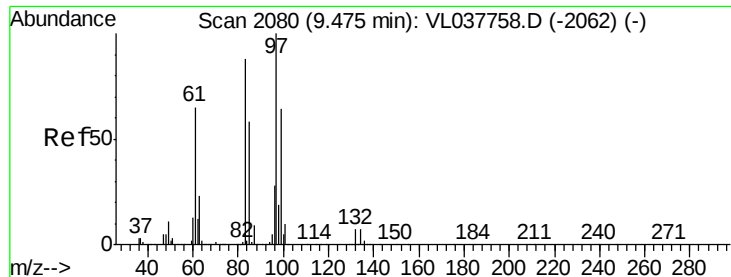
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.536 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 75 Resp: 1187561
Ion Ratio Lower Upper
75 100
39 62.1 49.9 74.9
77 31.2 25.9 38.9





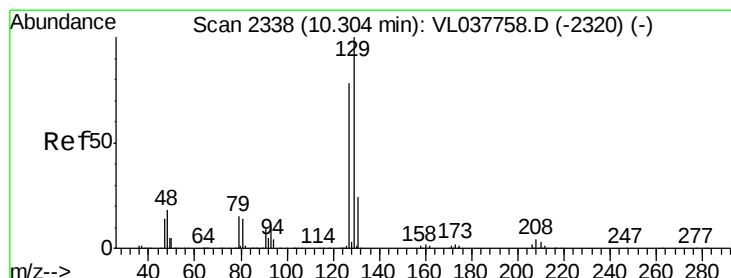
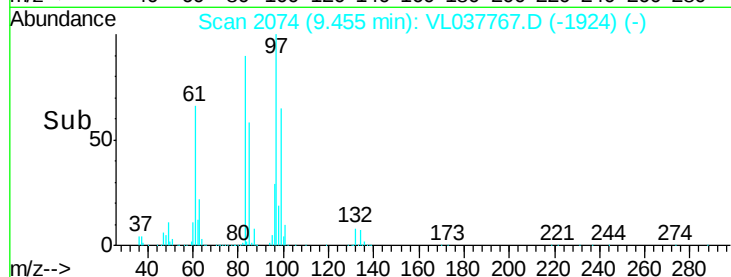
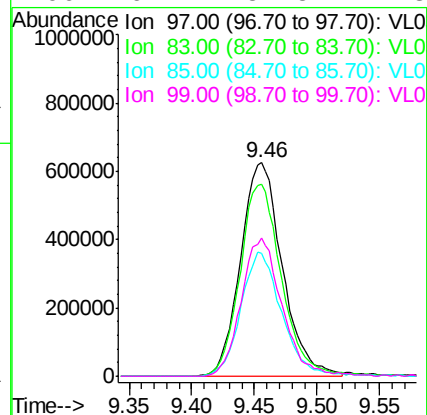
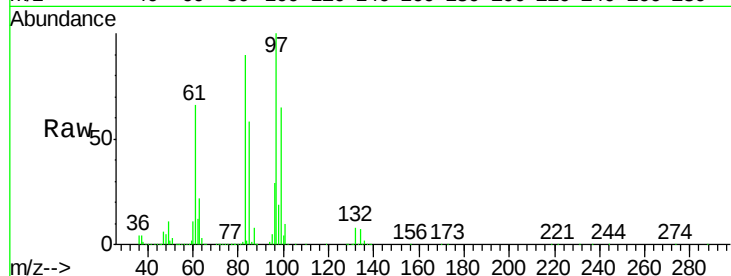
#47
 1,1,2-Trichloroethane
 Concen: 9.742 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1441290
 Ion Ratio Lower Upper
 97 100
 83 89.9 70.6 105.8
 85 57.6 45.9 68.9
 99 64.7 51.5 77.3

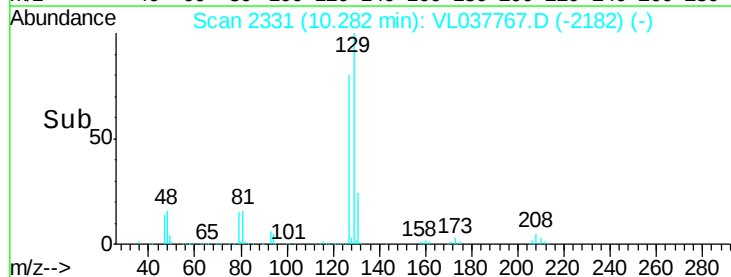
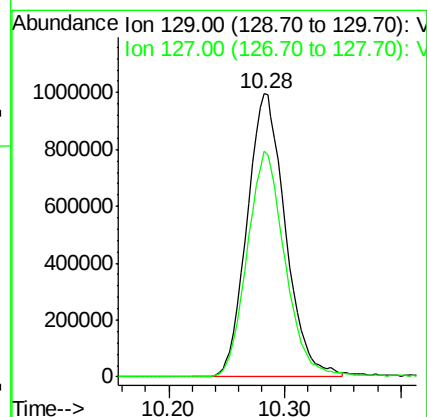
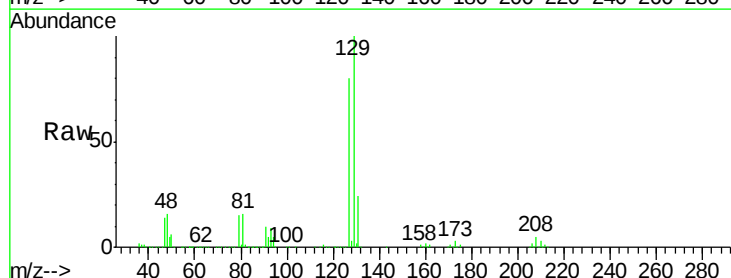
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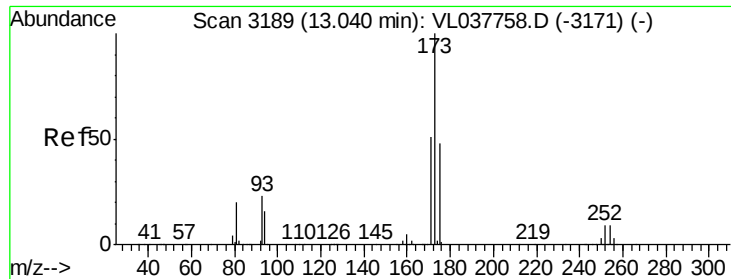
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#48
 Dibromochloromethane
 Concen: 10.853 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Tgt Ion: 129 Resp: 2289136
 Ion Ratio Lower Upper
 129 100
 127 79.3 39.5 118.5





#49

Bromoform

Concen: 11.855 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 1913278

Ion Ratio Lower Upper

173 100

175 51.8 39.9 59.9

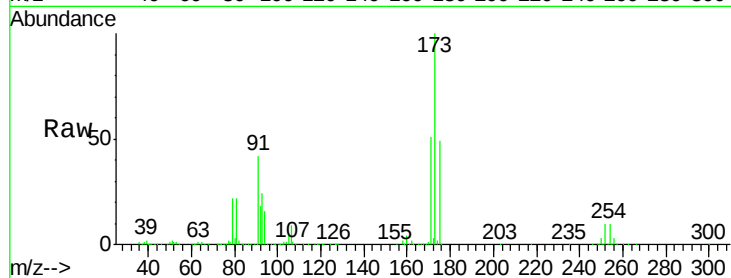
171 54.8 43.4 65.2

Manual Integrations

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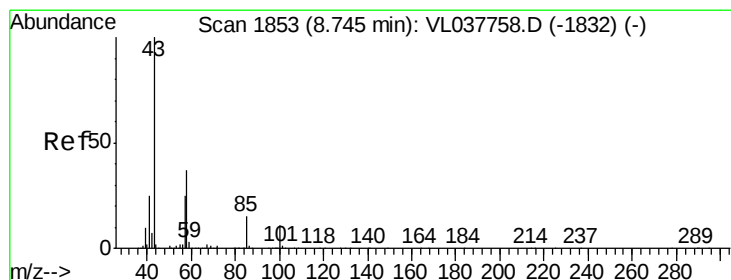
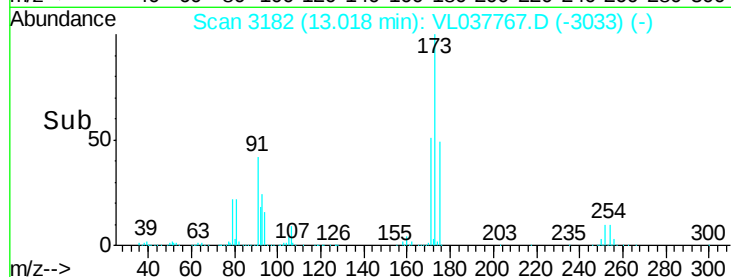
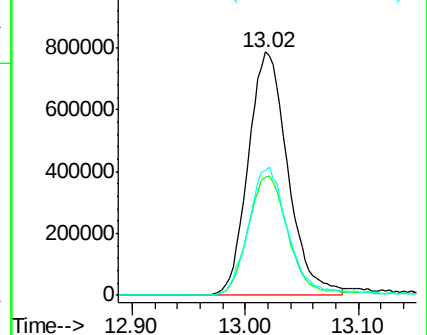
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.598 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.02 min

Lab File: VL037767.D

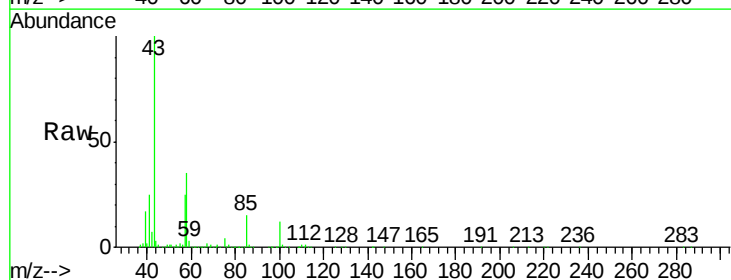
Acq: 5 Oct 2021 9:22

Tgt Ion: 43 Resp: 2359451

Ion Ratio Lower Upper

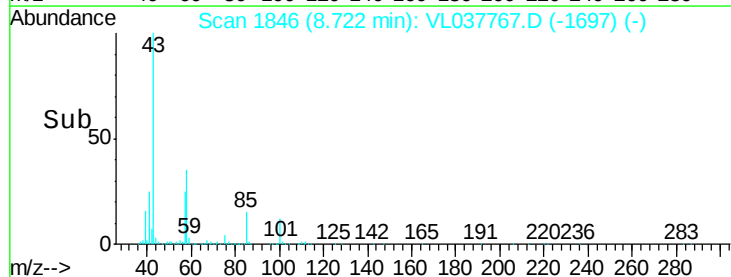
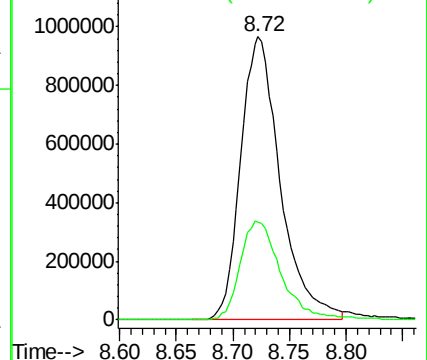
43 100

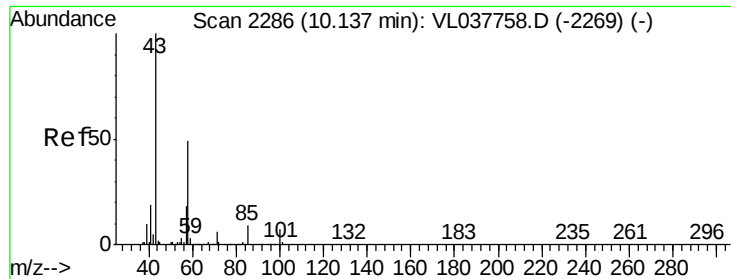
58 36.2 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





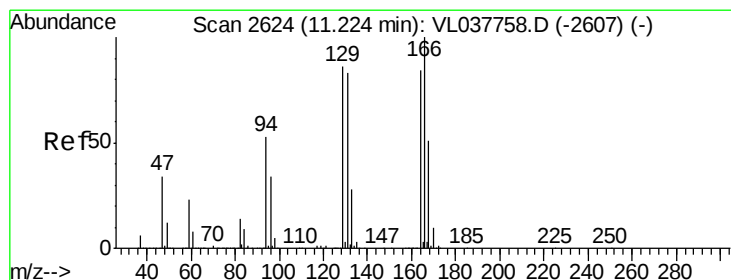
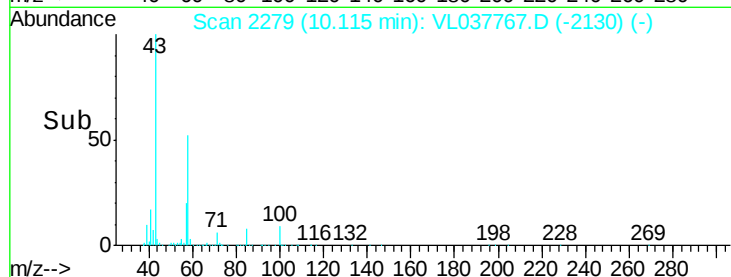
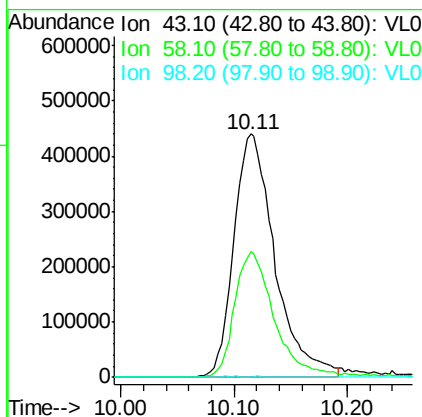
#51
2-Hexanone
Concen: 11.158 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1108974
Ion Ratio Lower Upper
43 100
58 51.1 39.4 59.0
98 0.3 0.3 0.5#

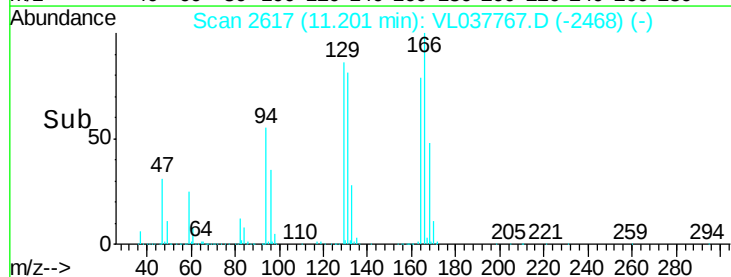
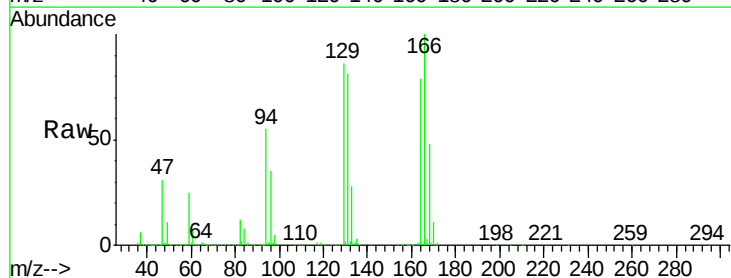
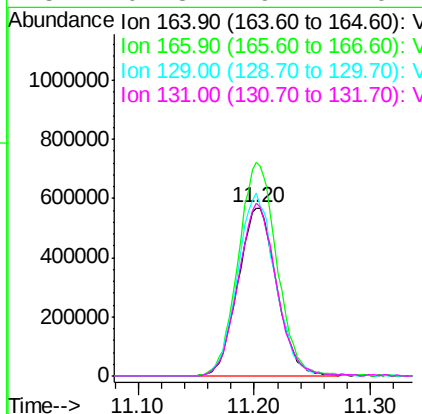
Manual Integrations
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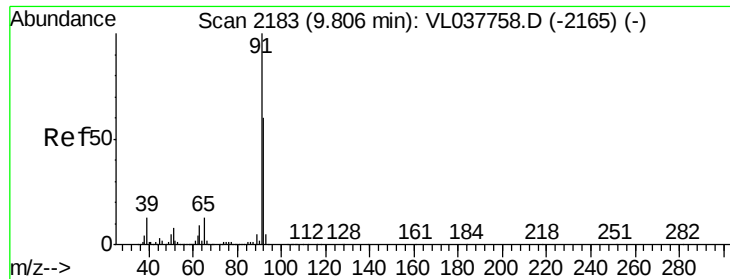
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#52
Tetrachloroethene
Concen: 9.373 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 164 Resp: 1319525
Ion Ratio Lower Upper
164 100
166 126.9 95.4 143.2
129 108.7 82.2 123.4
131 102.3 79.4 119.2





#53

Toluene

Concen: 10.301 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 4130594

Ion Ratio Lower Upper

91 100

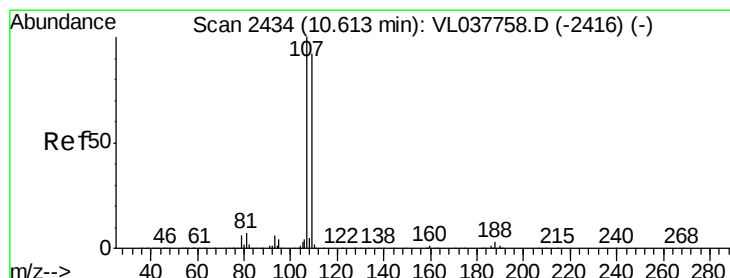
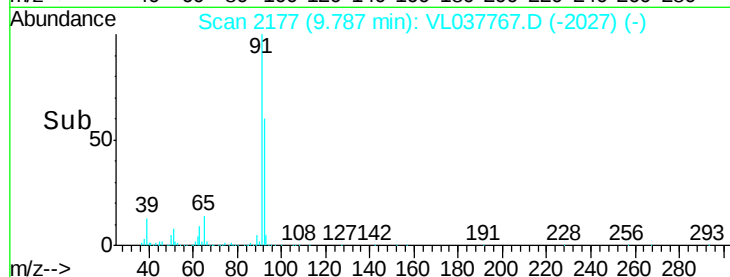
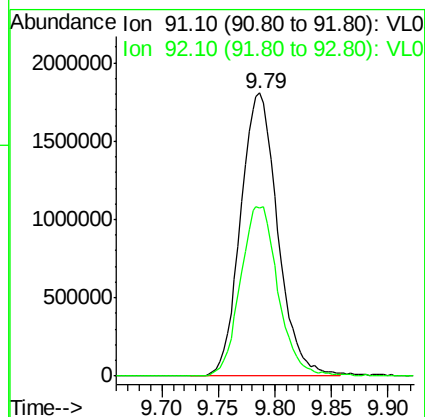
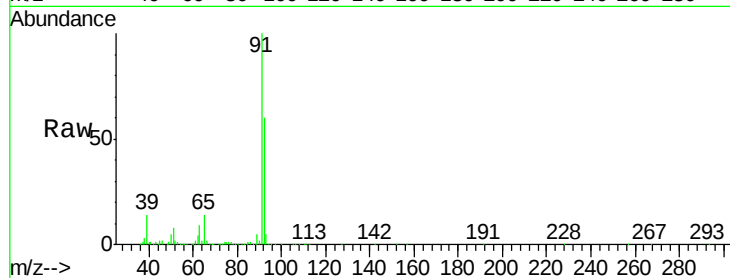
92 61.0 48.4 72.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.124 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.03 min

Lab File: VL037767.D

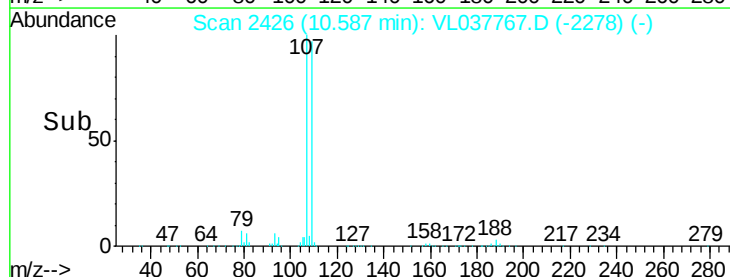
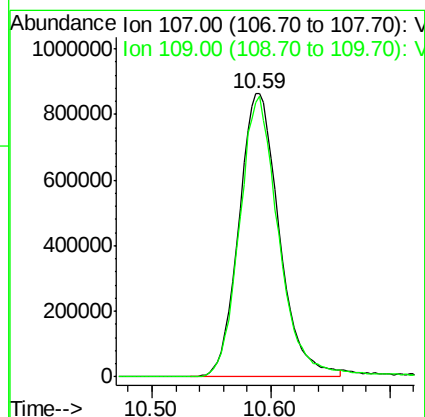
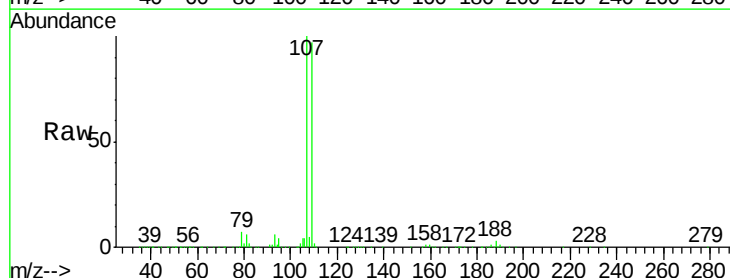
Acq: 5 Oct 2021 9:22

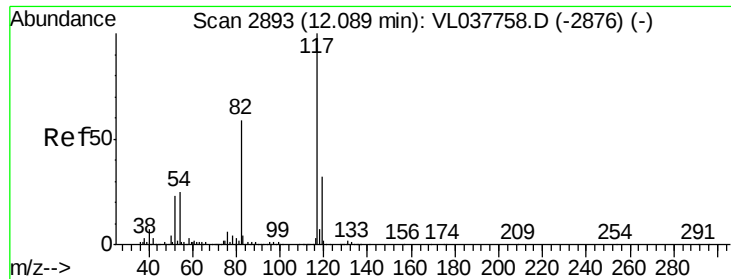
Tgt Ion: 107 Resp: 2023242

Ion Ratio Lower Upper

107 100

109 96.7 73.8 110.6





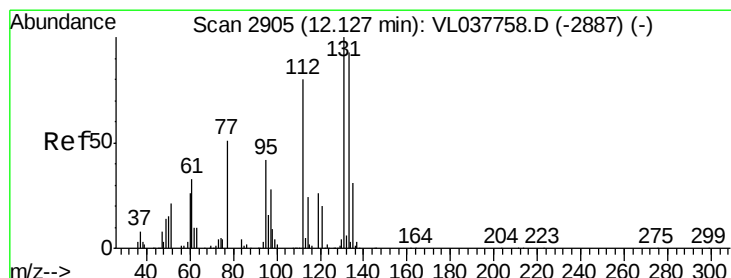
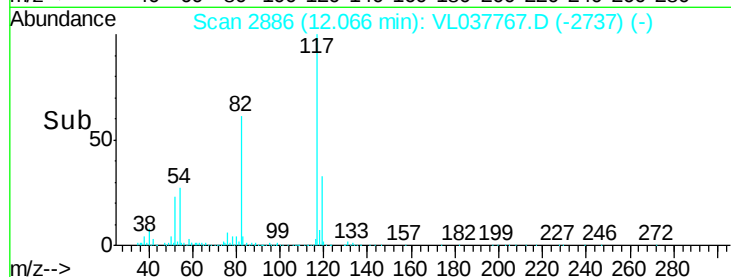
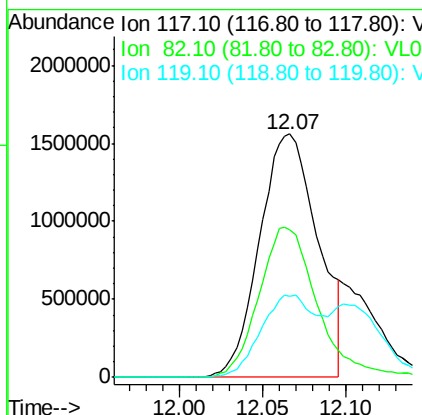
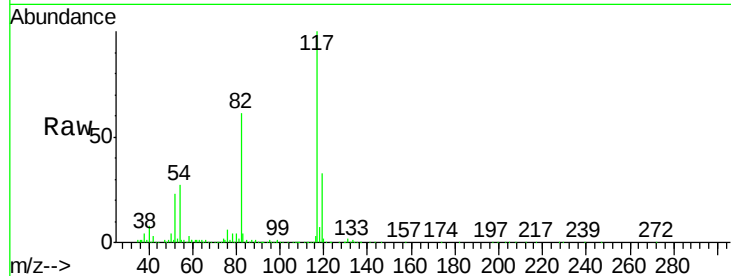
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3791061
Ion Ratio Lower Upper
117 100
82 63.0 52.2 78.2
119 60.1 26.0 39.0#

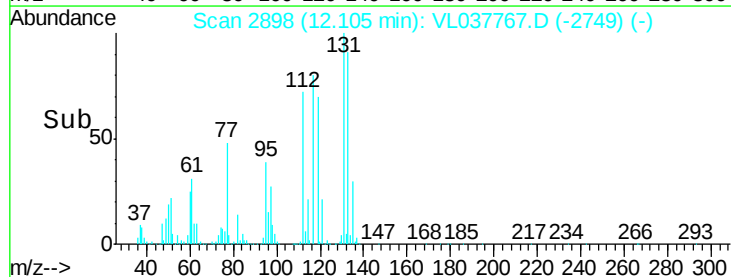
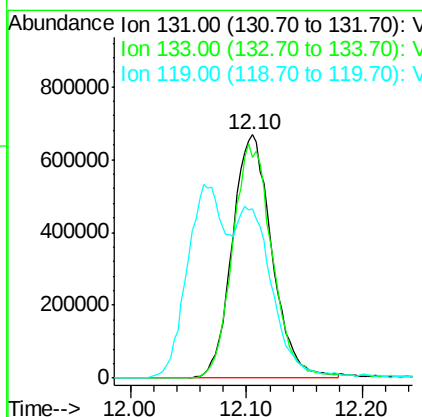
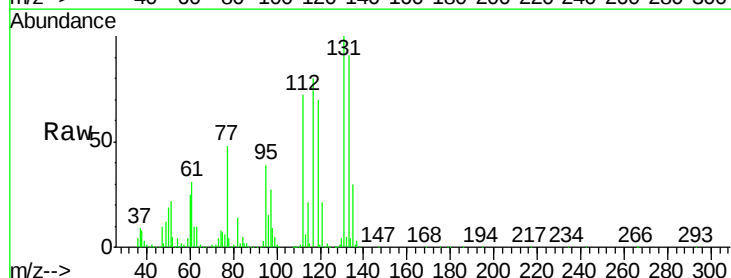
Manual Integrations
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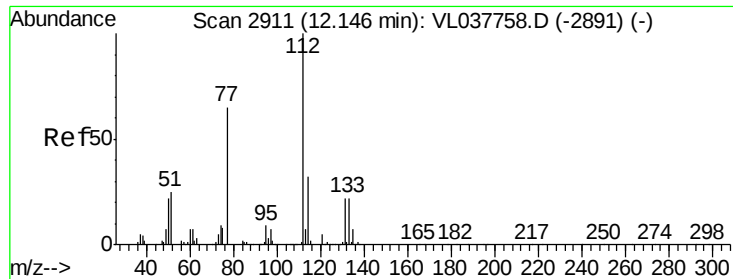
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.080 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion:131 Resp: 1581914
Ion Ratio Lower Upper
131 100
133 97.7 78.5 117.7
119 60.9 51.7 77.5





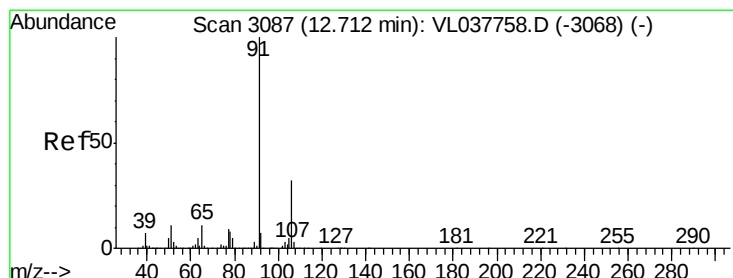
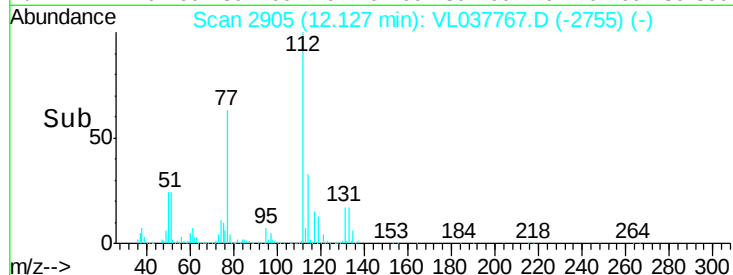
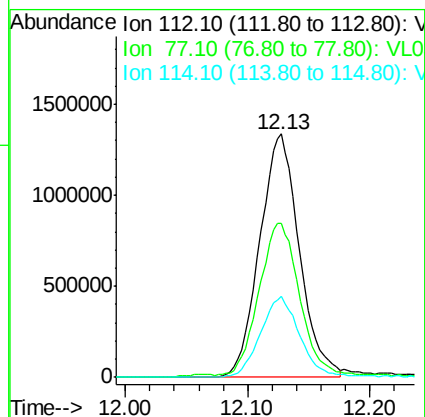
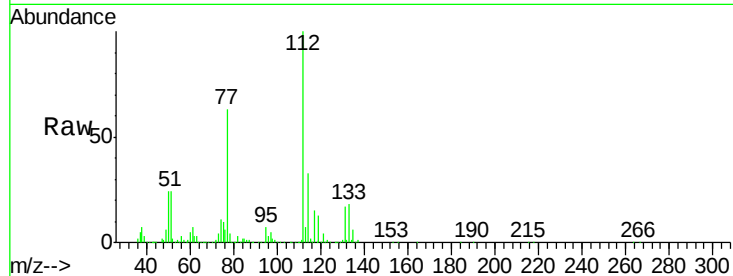
#57
Chlorobenzene
Concen: 9.686 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 3012336
Ion Ratio Lower Upper
112 100
77 62.4 51.8 77.8
114 33.0 28.8 35.2

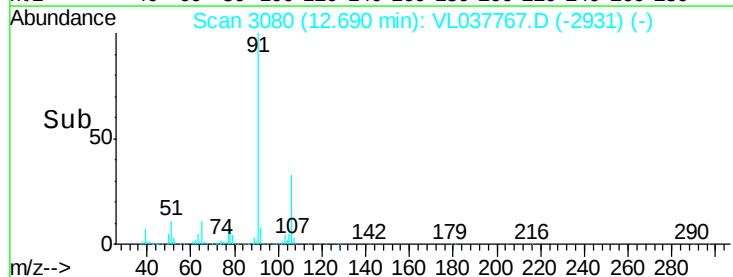
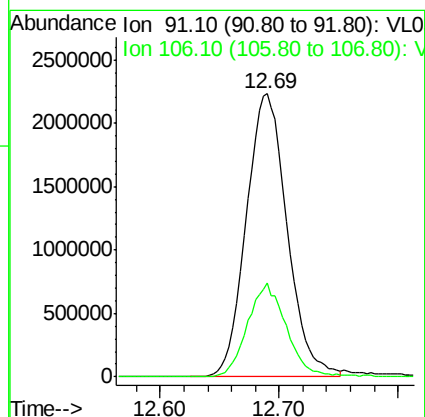
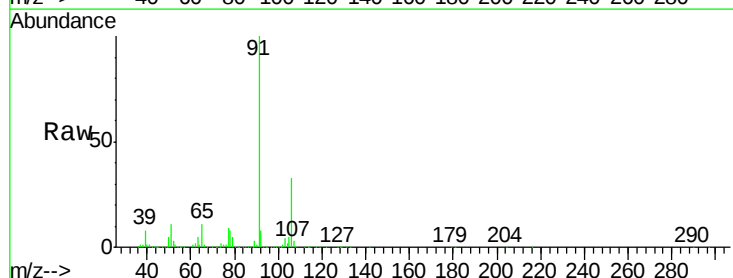
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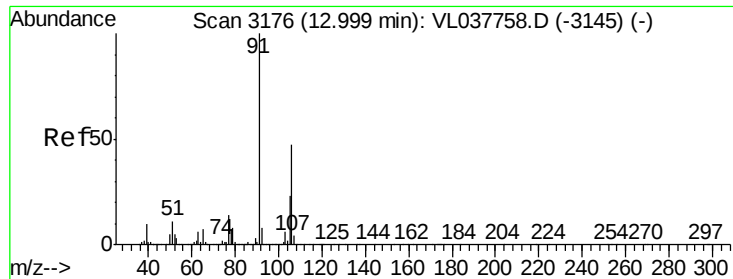
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#58
Ethyl Benzene
Concen: 10.432 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 91 Resp: 5310725
Ion Ratio Lower Upper
91 100
106 33.4 25.3 37.9





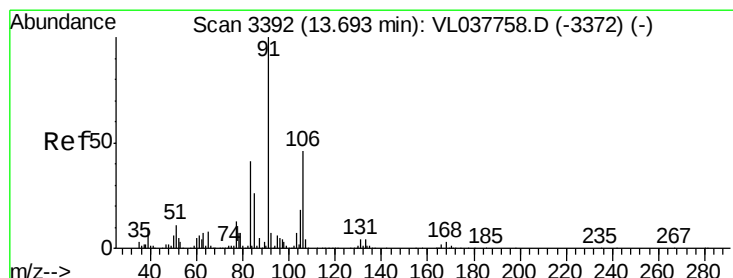
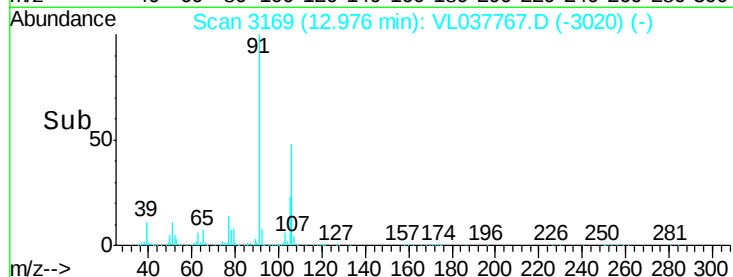
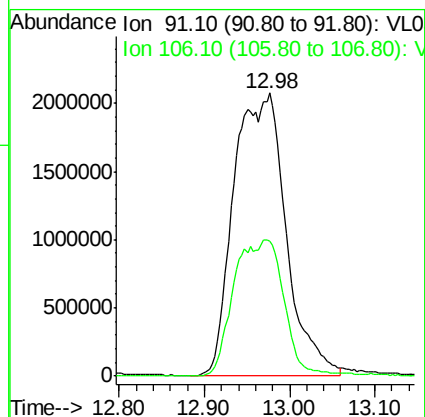
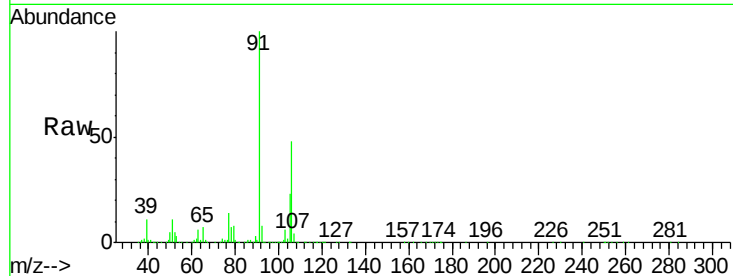
#59
m/p-Xylene
Concen: 20.204 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 8828600
Ion Ratio Lower Upper
91 100
106 46.5 36.7 55.1

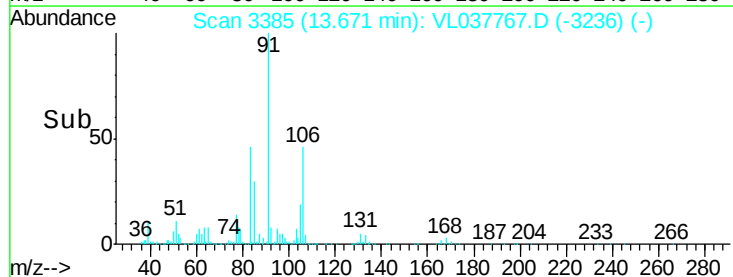
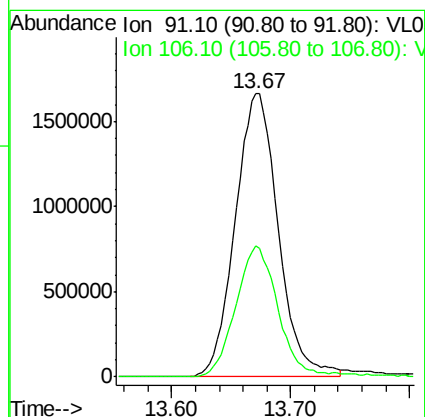
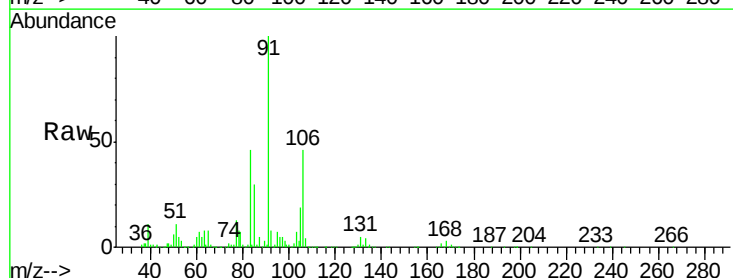
Manual Integrations
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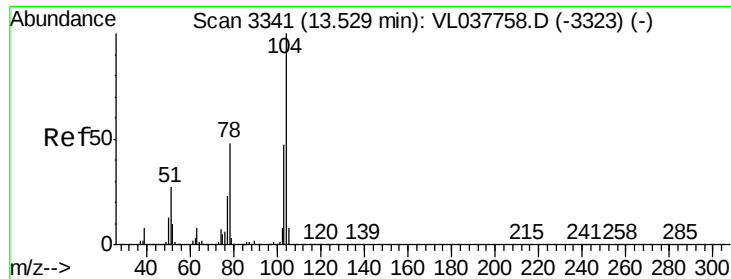
MMDadoda
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#60
o-Xylene
Concen: 9.877 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 91 Resp: 4136390
Ion Ratio Lower Upper
91 100
106 46.6 23.5 70.5





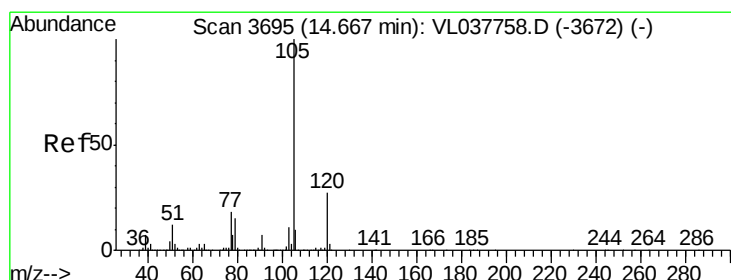
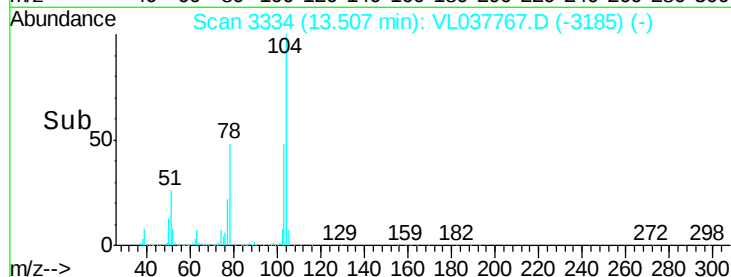
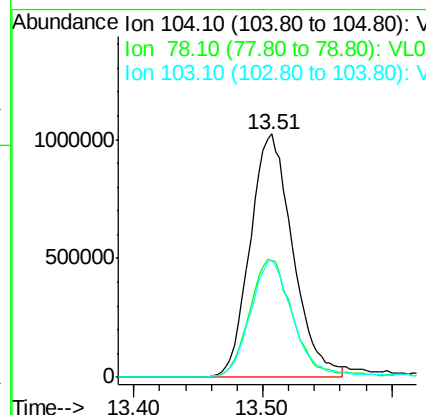
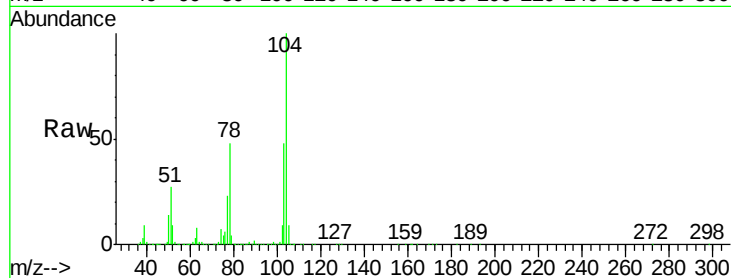
#61
Styrene
Concen: 11.666 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2363125
Ion Ratio Lower Upper
104 100
78 49.9 40.6 61.0
103 49.4 39.6 59.4

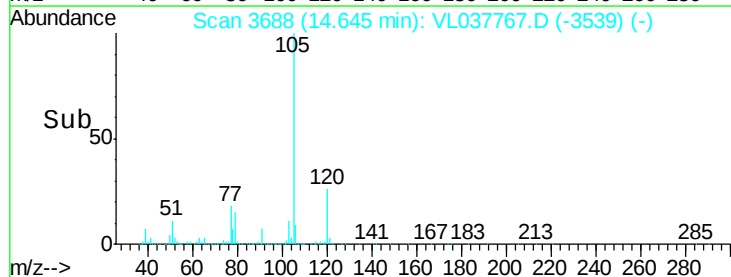
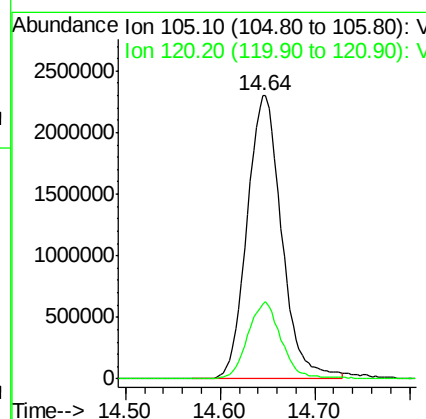
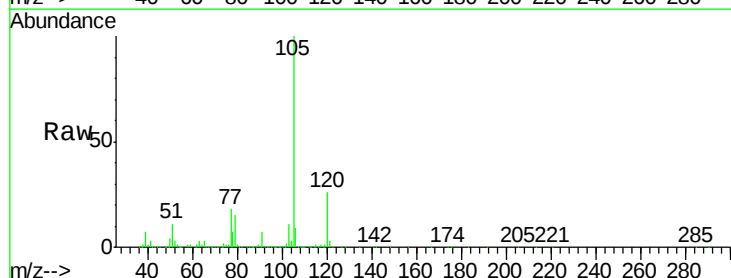
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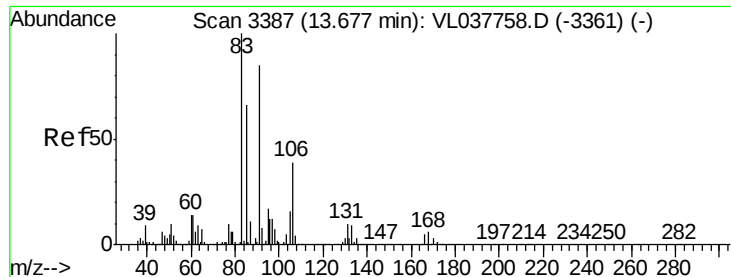
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#62
Isopropylbenzene
Concen: 10.009 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion:105 Resp: 5846559
Ion Ratio Lower Upper
105 100
120 26.7 21.3 31.9





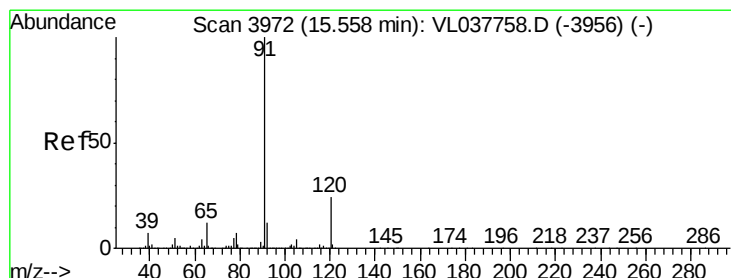
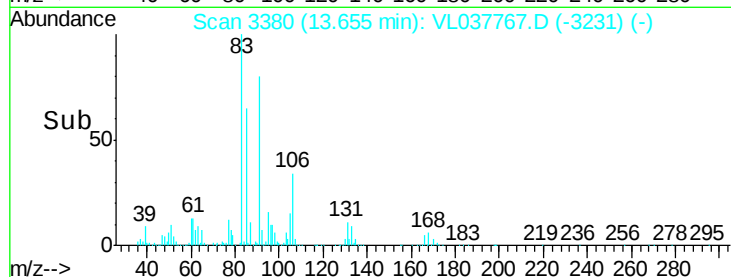
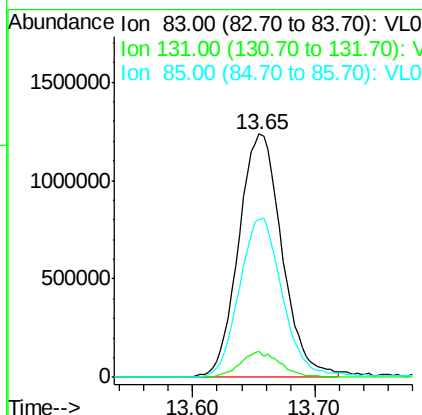
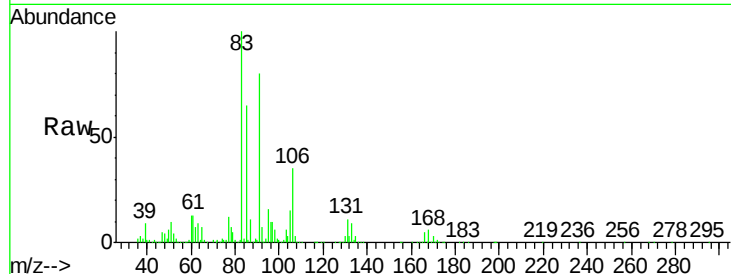
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.356 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 3023456
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.0 15.0
 85 66.9 33.1 99.5

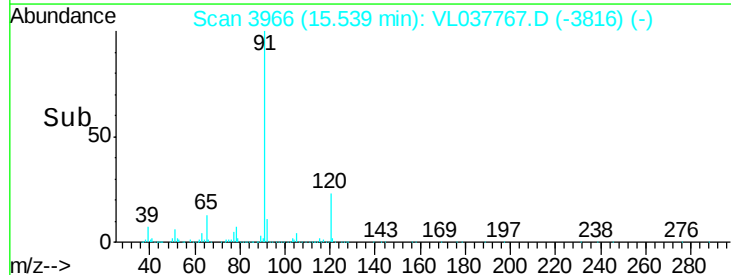
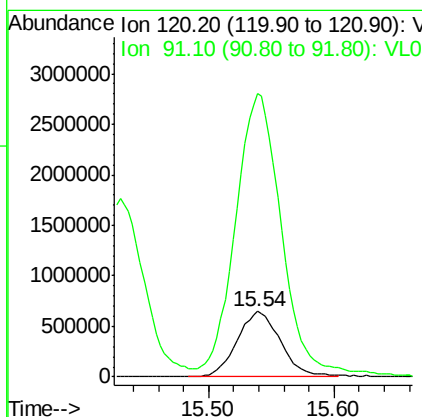
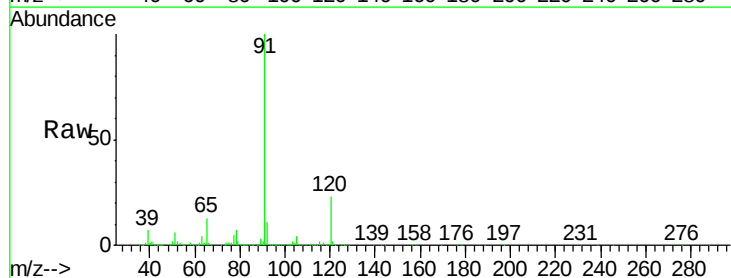
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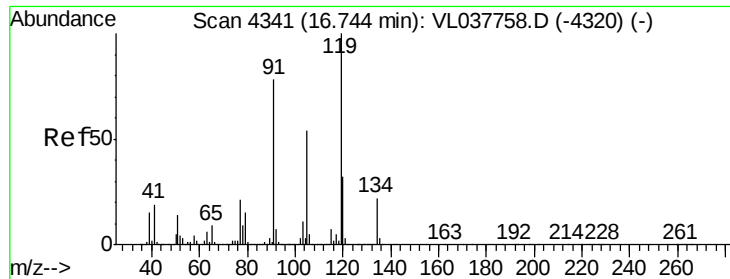
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#64
 n-propylbenzene
 Concen: 10.713 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Tgt Ion: 120 Resp: 1560397
 Ion Ratio Lower Upper
 120 100
 91 463.9 375.0 562.6





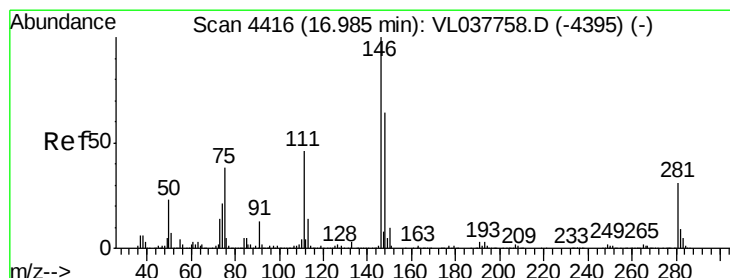
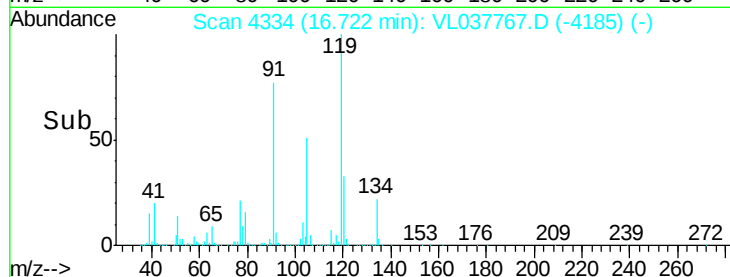
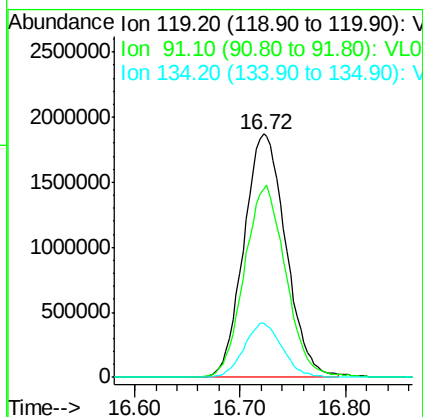
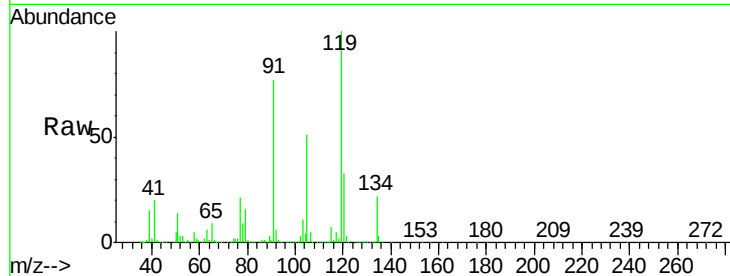
#65
 tert-Butylbenzene
 Concen: 10.063 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 119 Resp: 5172520
 Ion Ratio Lower Upper
 119 100
 91 77.9 62.6 94.0
 134 20.4 16.3 24.5

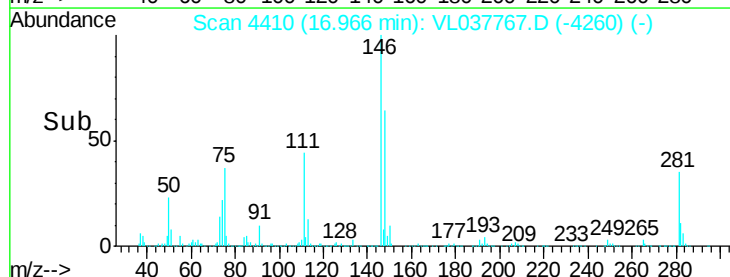
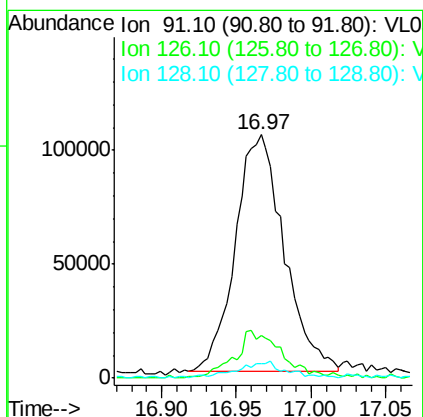
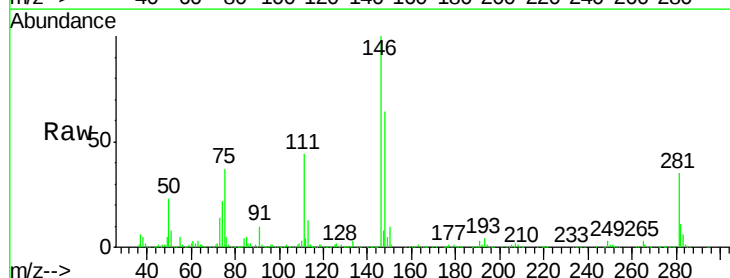
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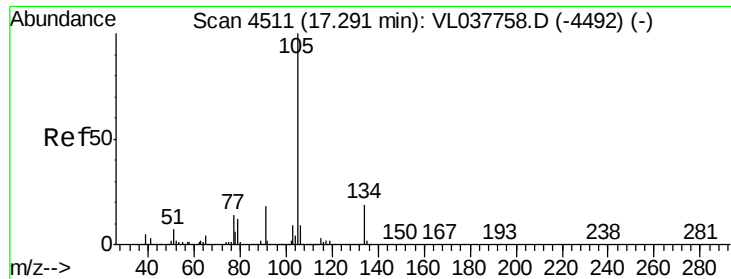
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#66
 Benzyl Chloride
 Concen: 9.325 ppbv
 RT: 16.97 min Scan# 4410
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Tgt Ion: 91 Resp: 236546
 Ion Ratio Lower Upper
 91 100
 126 20.0 0.0 0.0#
 128 7.2 5.3 7.9





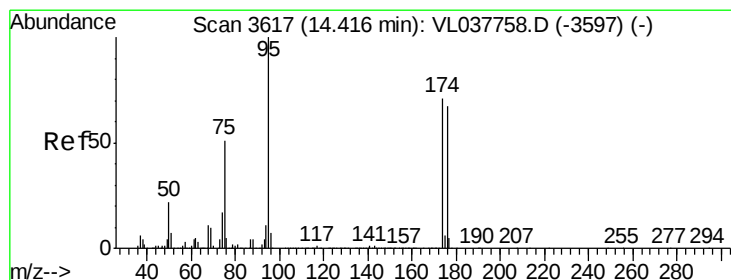
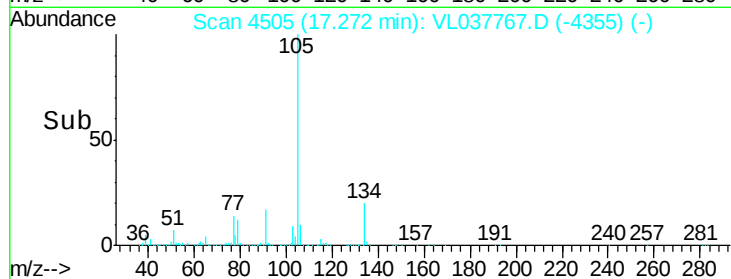
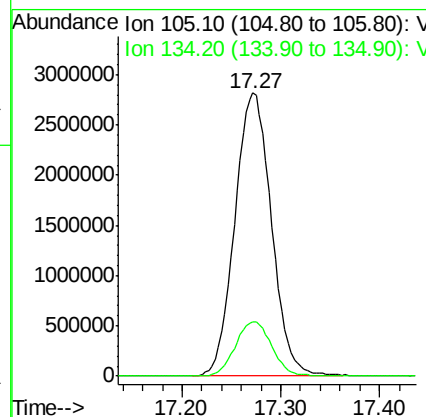
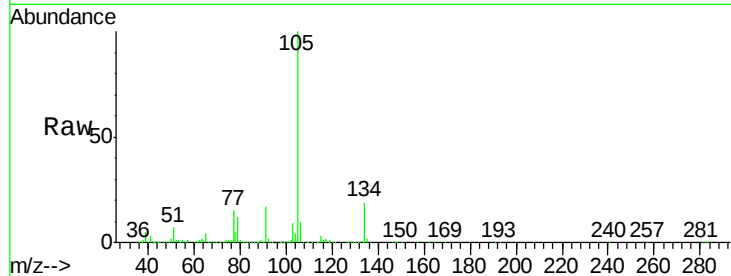
#67
 sec-Butylbenzene
 Concen: 10.346 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 105 Resp: 7273183
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.0

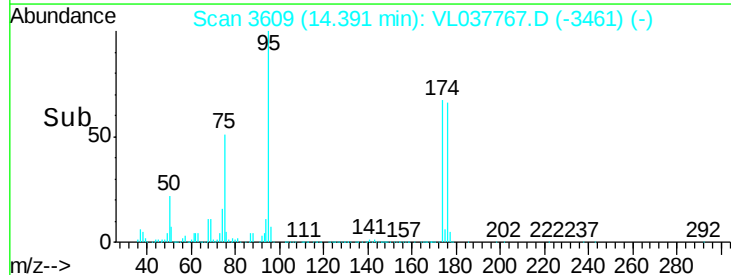
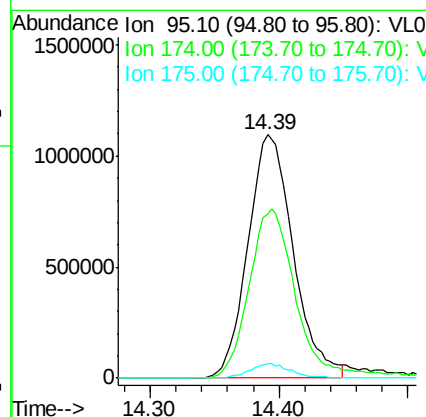
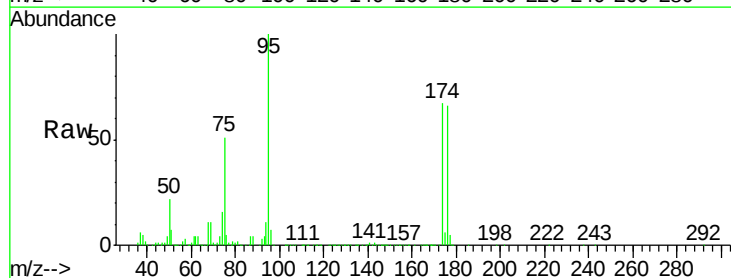
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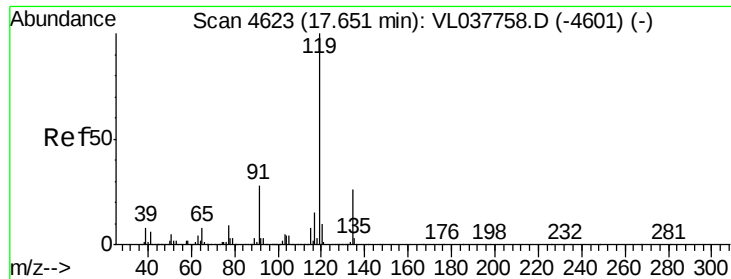
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.126 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.03 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Tgt Ion: 95 Resp: 2684624
 Ion Ratio Lower Upper
 95 100
 174 73.4 57.8 86.6
 175 5.6 4.7 7.1





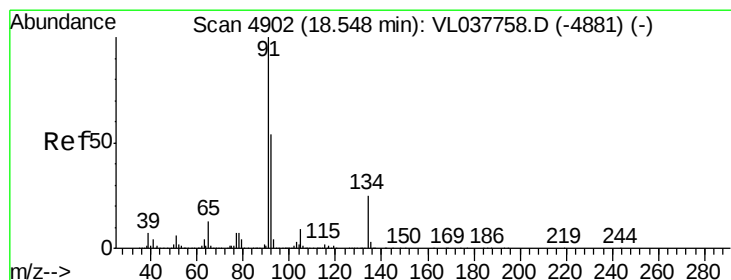
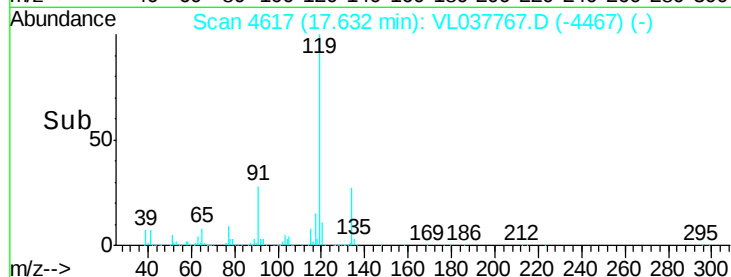
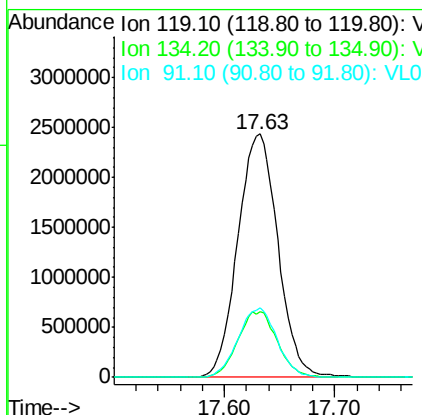
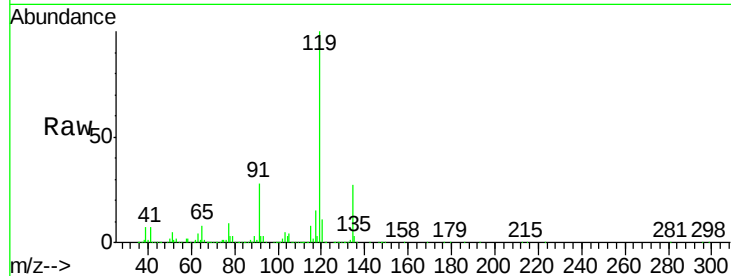
#69
p-Isopropyltoluene
Concen: 10.756 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 6113359
Ion Ratio Lower Upper
119 100
134 26.8 21.2 31.8
91 27.7 22.2 33.4

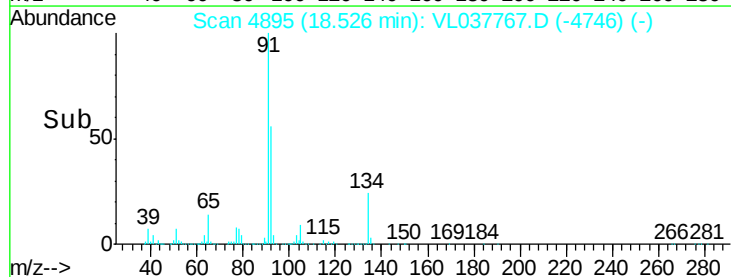
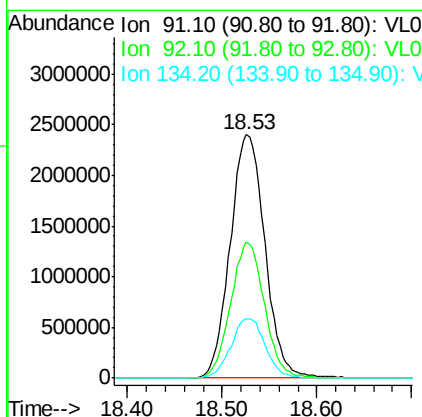
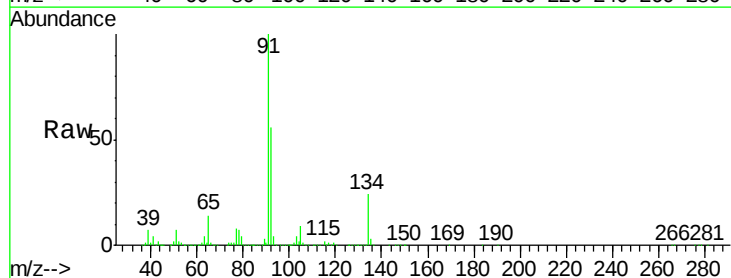
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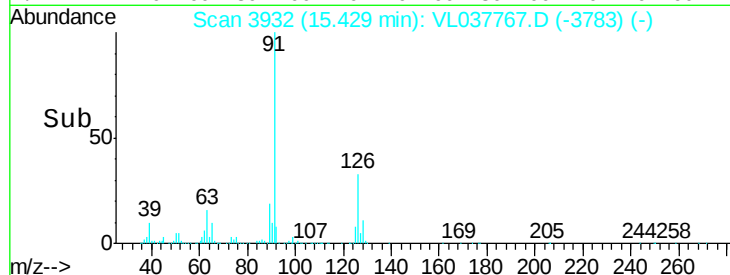
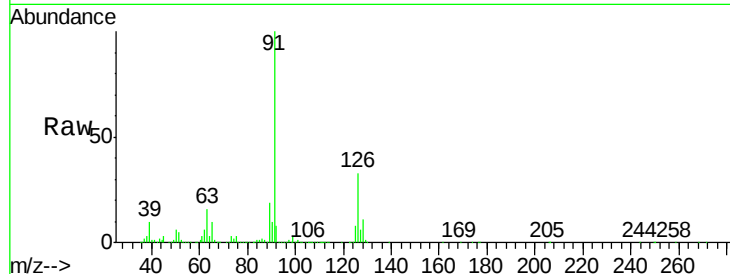
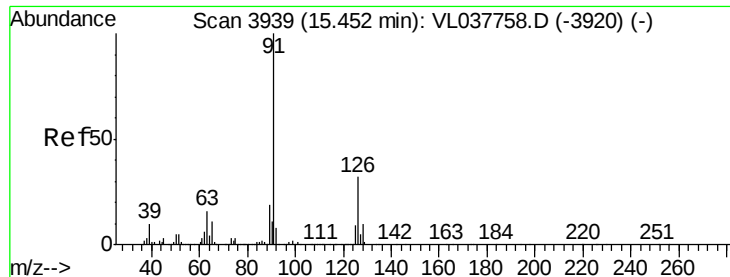
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#70
n-Butylbenzene
Concen: 11.333 ppbv
RT: 18.53 min Scan# 4895
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 91 Resp: 6119087
Ion Ratio Lower Upper
91 100
92 54.5 43.4 65.0
134 24.4 19.8 29.6





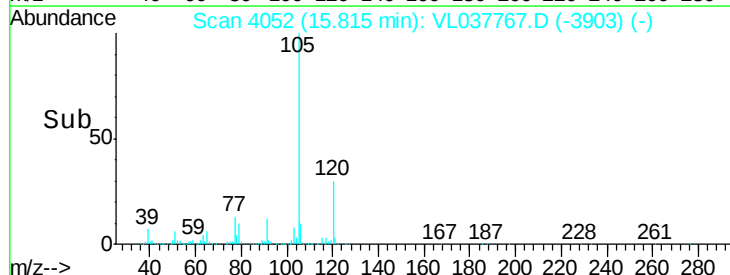
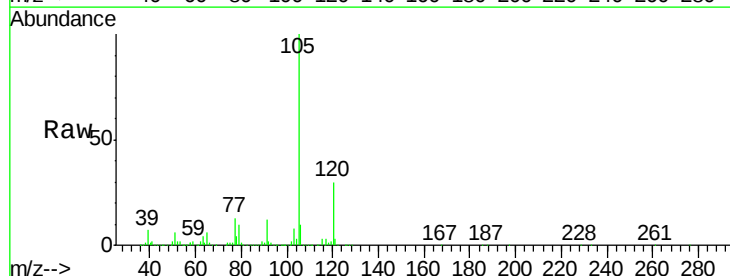
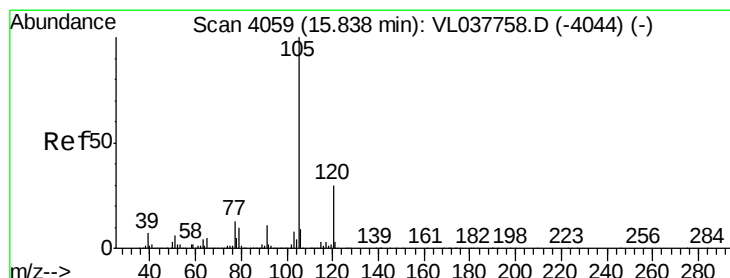
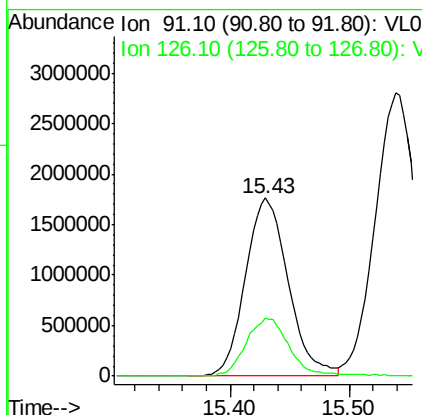
#71
2-Chlorotoluene
Concen: 10.628 ppbv
RT: 15.43 min Scan# 3932
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 91 Resp: 4384023
Ion Ratio Lower Upper
91 100
126 33.6 13.6 54.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

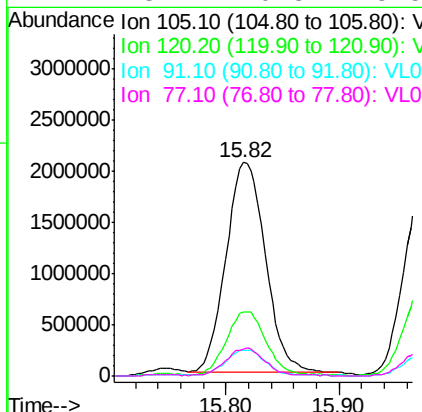
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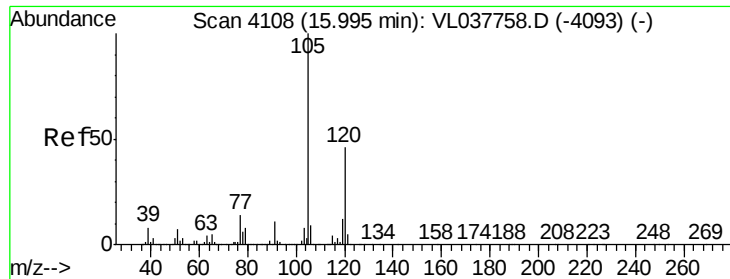
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#72
4-Ethyltoluene
Concen: 10.513 ppbv
RT: 15.82 min Scan# 4052
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion: 105 Resp: 4999199
Ion Ratio Lower Upper
105 100
120 31.6 24.2 36.2
91 12.4 10.4 15.6
77 13.4 10.3 15.5





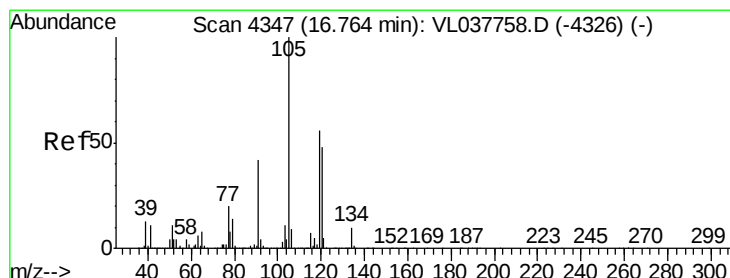
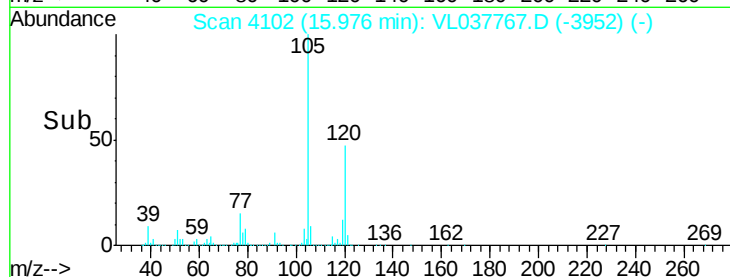
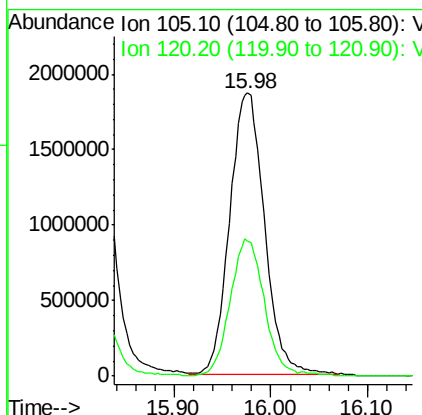
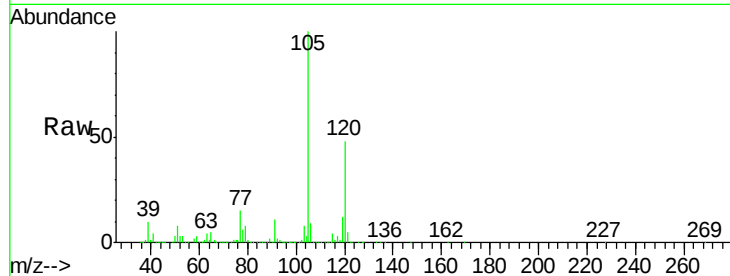
#73
 1,3,5-Trimethylbenzene
 Concen: 10.758 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 4646694
 Ion Ratio Lower Upper
 105 100
 120 47.8 36.6 54.8

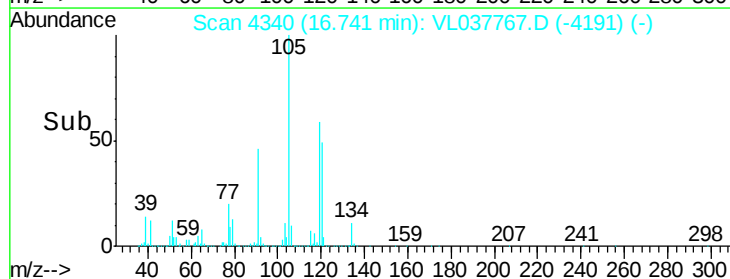
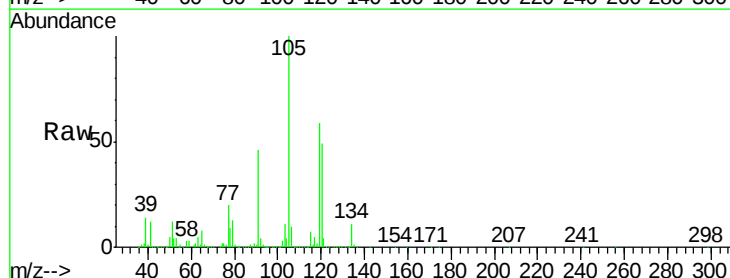
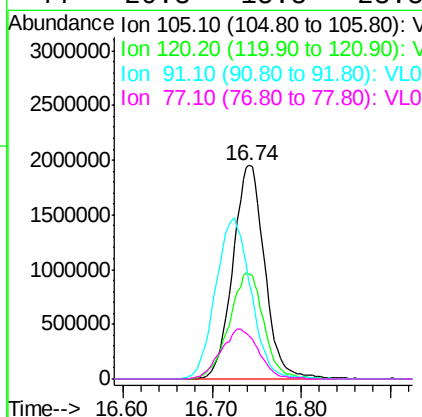
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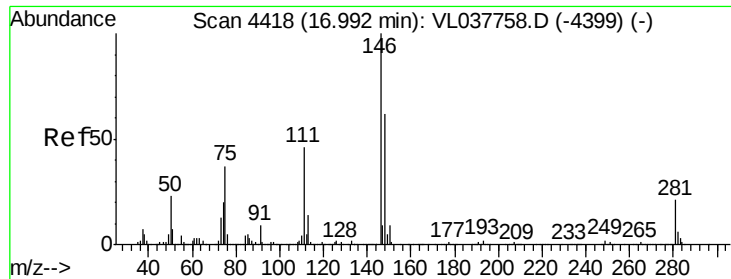
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.639 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Tgt Ion:105 Resp: 4825564
 Ion Ratio Lower Upper
 105 100
 120 49.2 38.4 57.6
 91 46.1 34.2 51.2
 77 20.3 15.8 23.8





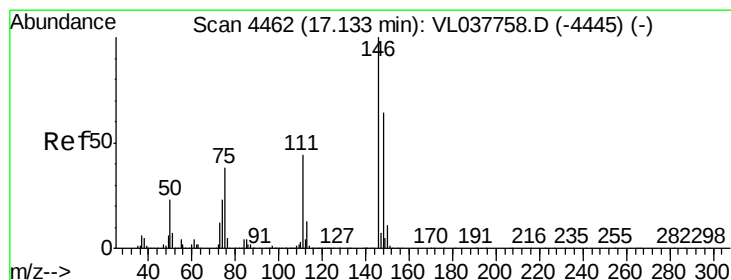
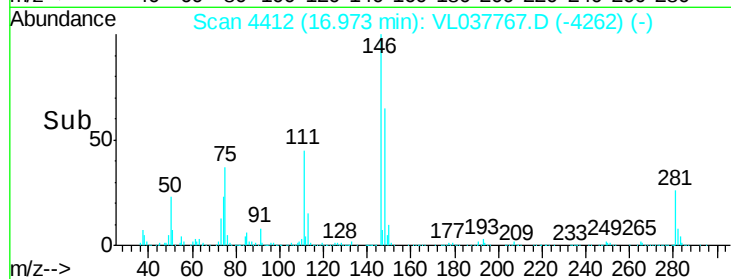
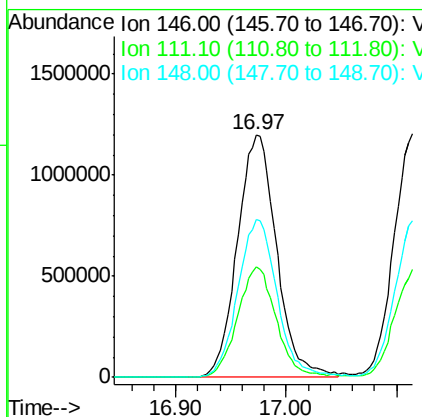
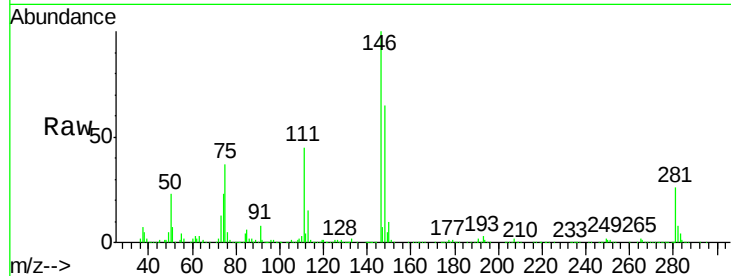
#75
 1,3-Dichlorobenzene
 Concen: 10.527 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.8	68.4
148	65.2	32.8	98.3

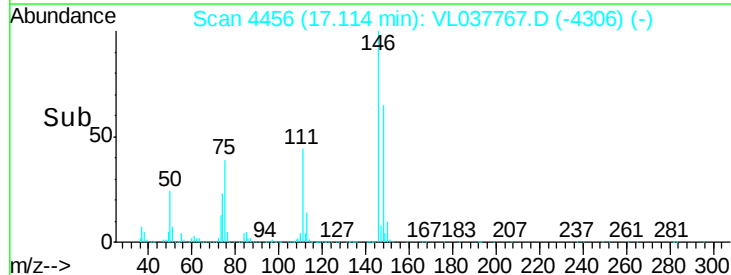
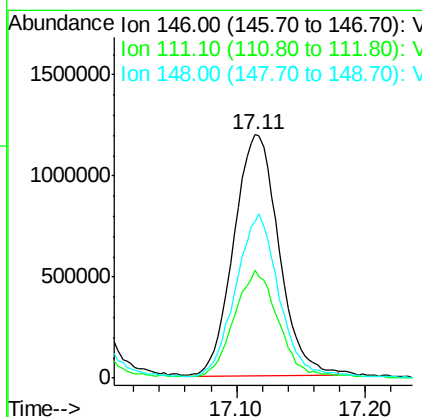
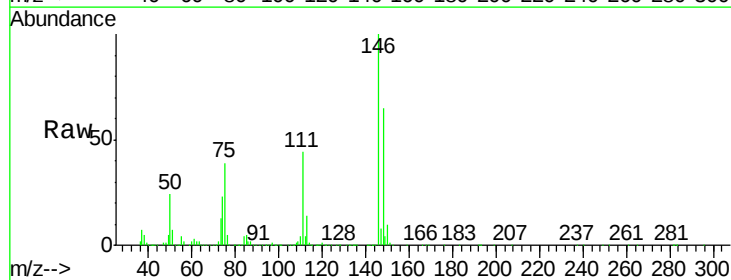
Manual Integrations
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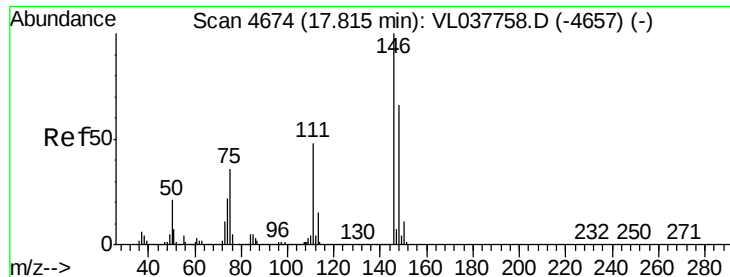
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#76
 1,4-Dichlorobenzene
 Concen: 10.893 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.4	67.3
148	66.3	33.3	99.9





#77

1,2-Dichlorobenzene

Concen: 10.593 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 2859378

Ion Ratio Lower Upper

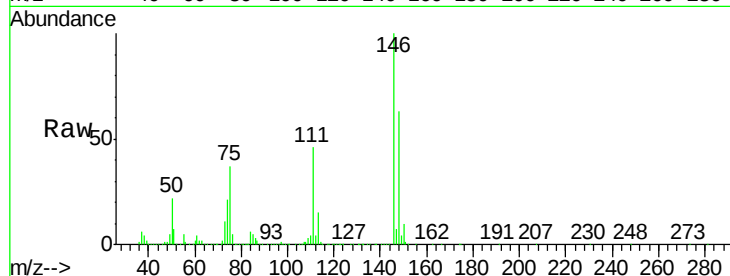
146 100

111 47.2 23.6 70.8

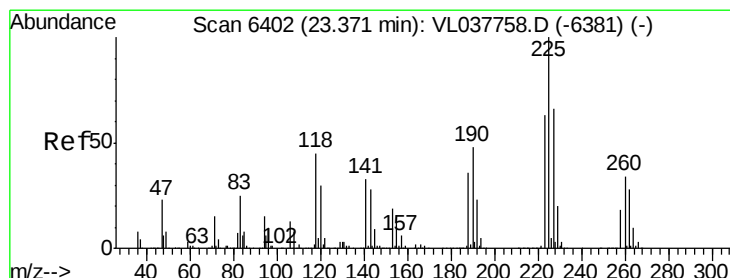
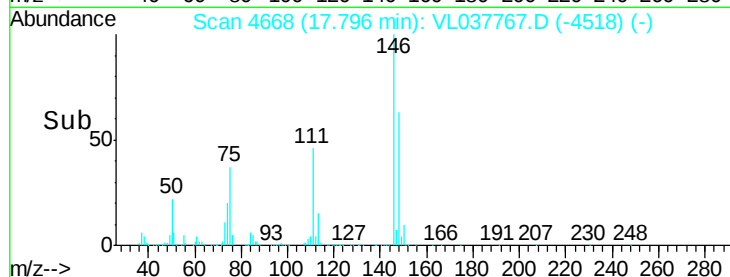
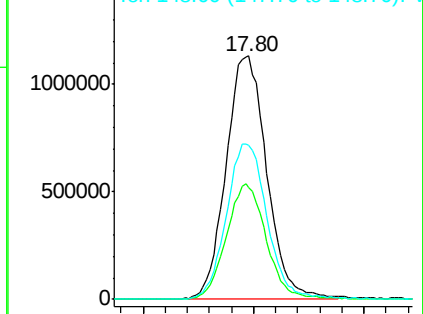
148 65.0 32.9 98.6

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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: 9.687 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

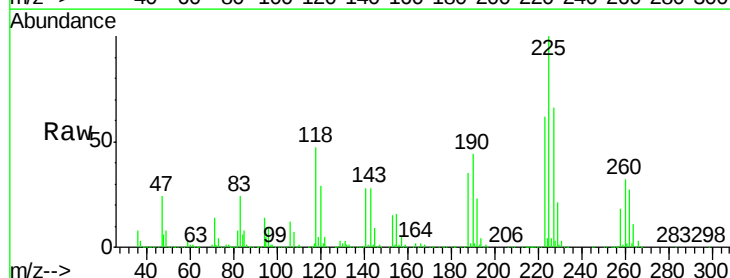
Tgt Ion:225 Resp: 2135127

Ion Ratio Lower Upper

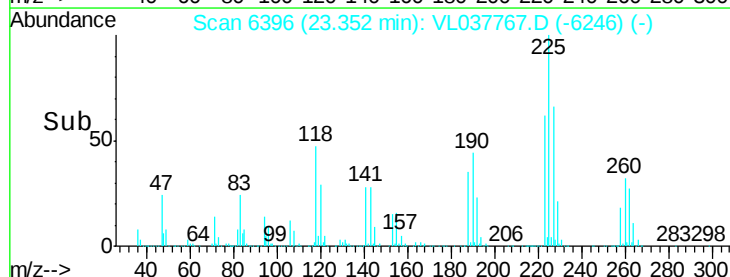
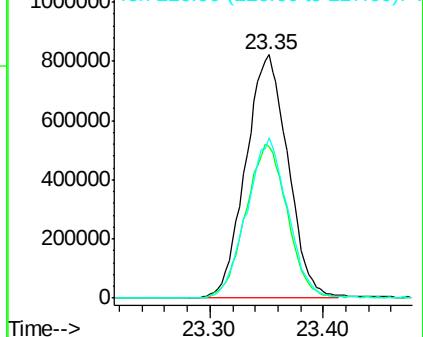
225 100

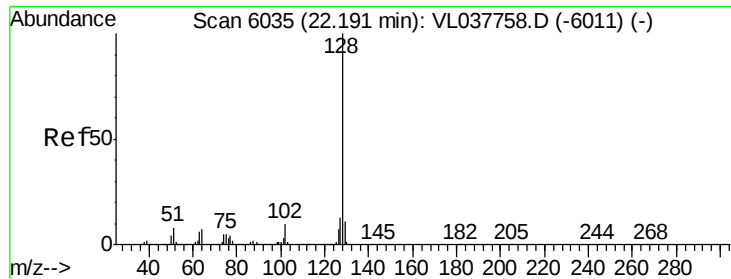
223 62.9 51.2 76.8

227 64.0 51.1 76.7



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





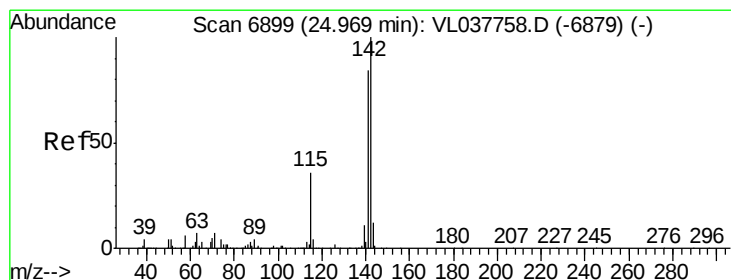
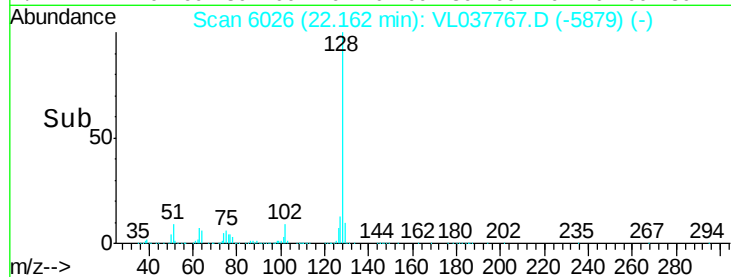
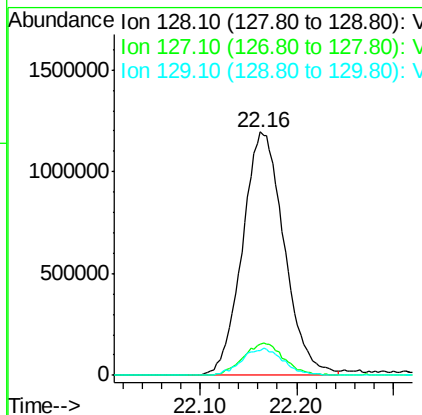
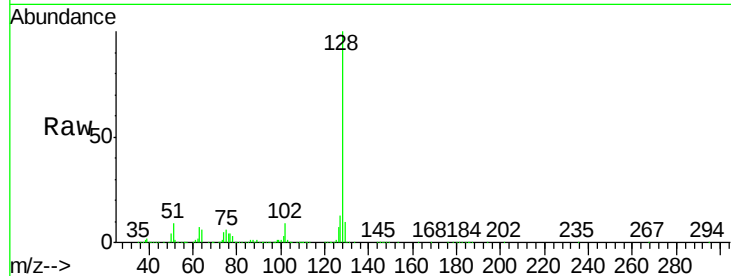
#79
Naphthalene
Concen: 12.860 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.03 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3572227
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.3 9.1 13.7

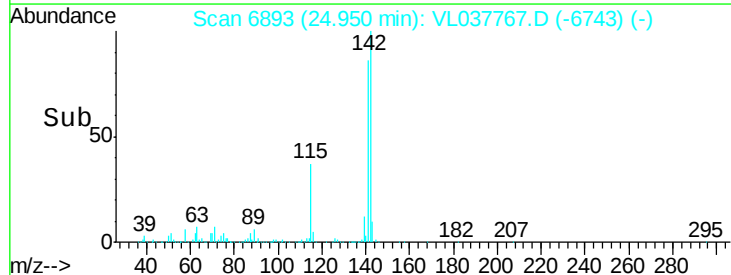
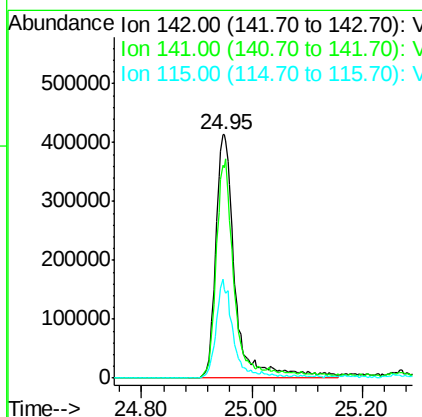
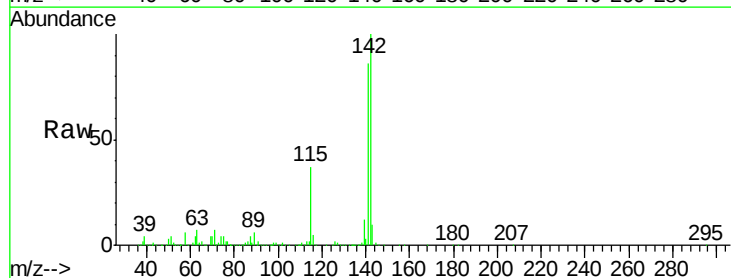
Manual Integrations
APPROVED

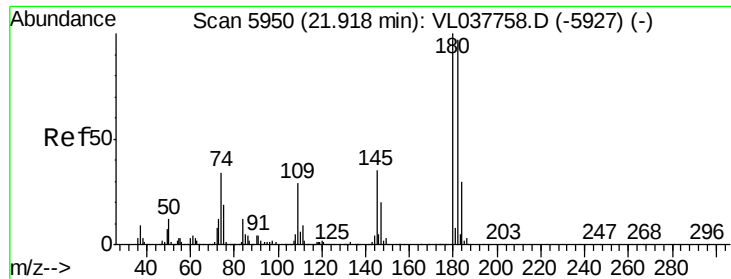
MMDadoda
10/11/2021 7:35:56 PM



#80
Naphthalene, 2-methyl-
Concen: 13.453 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

Tgt Ion:142 Resp: 1003419
Ion Ratio Lower Upper
142 100
141 81.7 68.6 102.8
115 35.6 29.0 43.6





#81
 1,2,4-Trichlorobenzene
 Concen: 12.051 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.6	116.4
184	31.7	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 10/11/2021 7:35:56 PM

