

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

Quant Time: Oct 06 04:44:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 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	4767299	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2684624	8.05	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.50%

Target Compounds						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	46803	5.670	ppbv #	56
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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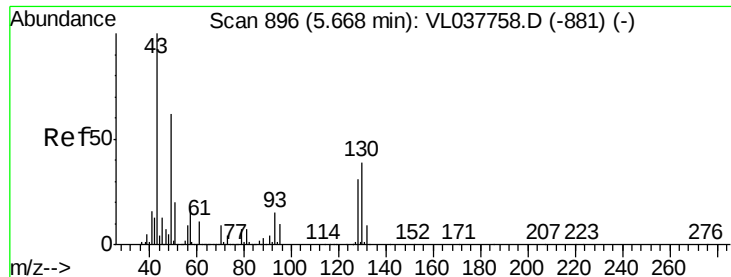
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5953636	9.794	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	858501	10.557	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1187561	10.536	ppbv	99
47) 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	8.016	ppbv	98
57) Chlorobenzene	12.13	112	3012336	7.703	ppbv	97
58) Ethyl Benzene	12.69	91	5310725	8.296	ppbv	97
59) m/p-Xylene	12.98	91	4196124	7.636	ppbv #	21
60) o-Xylene	13.67	91	4136390	7.855	ppbv	99
61) Styrene	13.51	104	2363125	9.277	ppbv	99
62) Isopropylbenzene	14.64	105	5846559	7.960	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3023456	7.440	ppbv	99
64) n-propylbenzene	15.54	120	1560397	8.519	ppbv	98
65) tert-Butylbenzene	16.72	119	5172520	8.002	ppbv	100
66) Benzyl Chloride	16.97	91	236546	7.415	ppbv #	98
67) sec-Butylbenzene	17.27	105	7273183	8.227	ppbv	100
69) p-Isopropyltoluene	17.63	119	6113359	8.554	ppbv	100
70) n-Butylbenzene	18.53	91	6119087	9.012	ppbv	100
71) 2-Chlorotoluene	15.43	91	4384023	8.452	ppbv	99
72) 4-Ethyltoluene	15.82	105	4999199	8.361	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4646694	8.555	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4825564	8.461	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2958104	8.371	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2919899	8.662	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2859378	8.423	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2135127	7.703	ppbv	99
79) Naphthalene	22.16	128	3572227	10.227	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	1003419	10.698	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2141052	9.583	ppbv	99

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

[illegible]



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

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VSTDCCC010

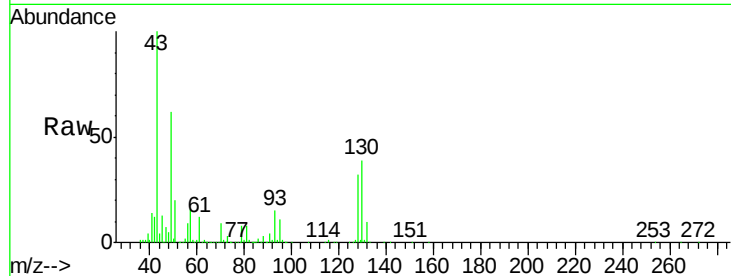
Tgt Ion: 49 Resp: 1427628

Ion Ratio Lower Upper

49 100

128 54.7 27.1 81.3

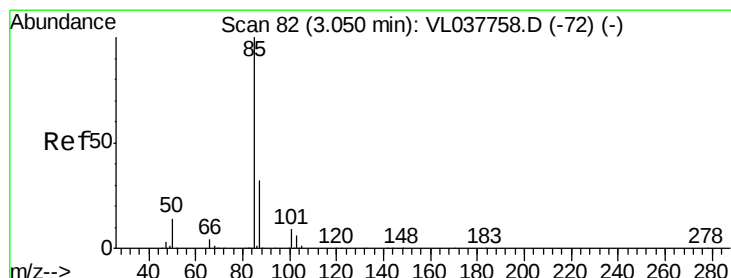
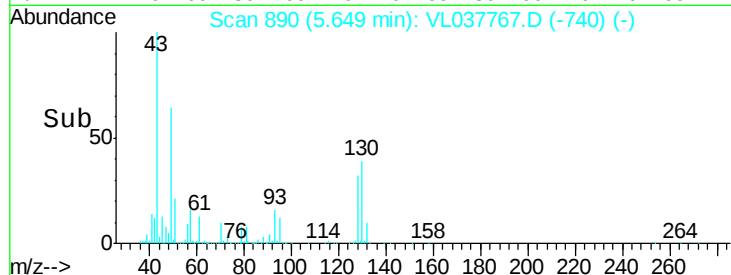
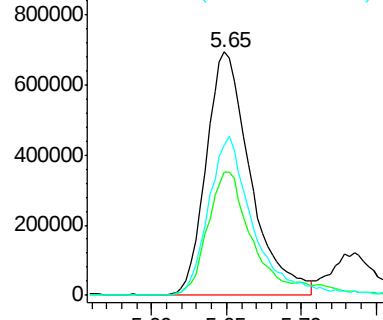
130 66.7 33.2 99.6



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

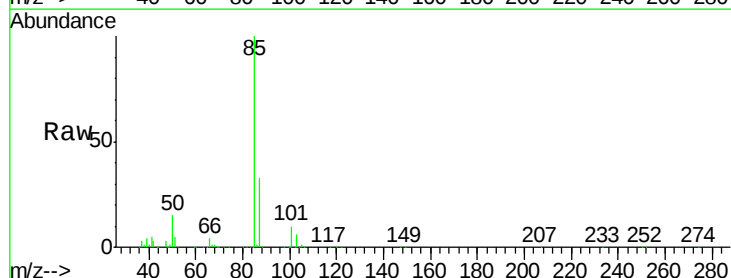
Acq: 5 Oct 2021 9:22

Tgt Ion: 85 Resp: 1861930

Ion Ratio Lower Upper

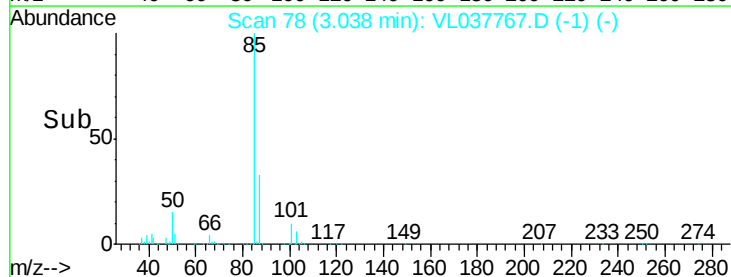
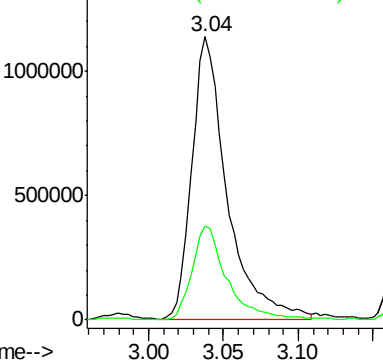
85 100

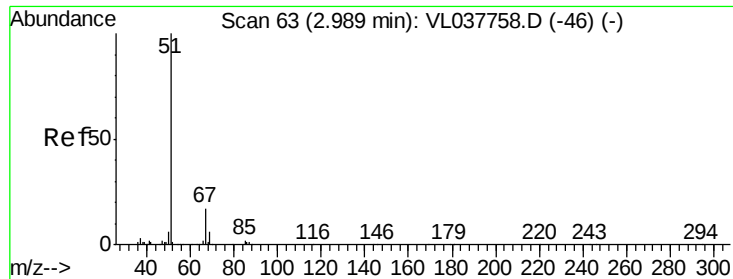
87 32.7 25.7 38.5



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 :

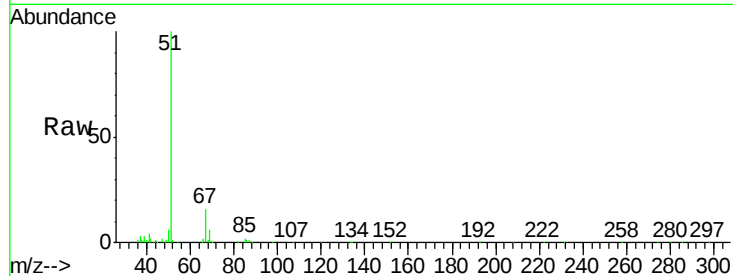
VSTDCCC010

Tgt Ion: 51 Resp: 2552940

Ion Ratio Lower Upper

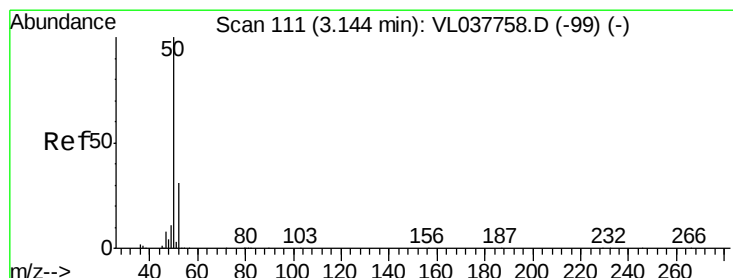
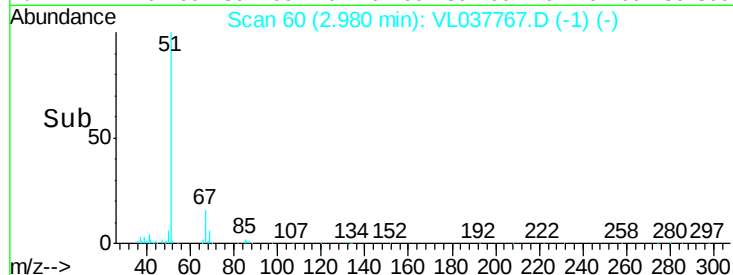
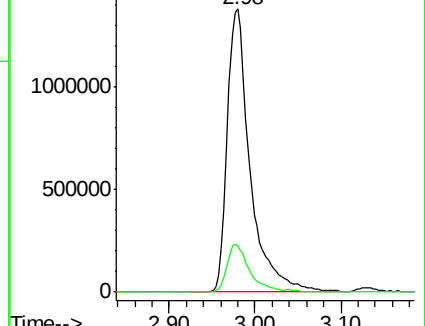
51 100

67 16.9 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.480 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037767.D

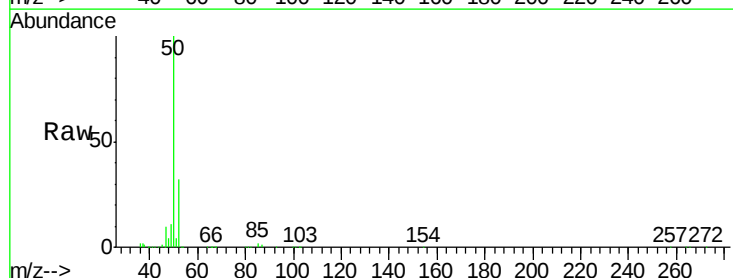
Acq: 5 Oct 2021 9:22

Tgt Ion: 50 Resp: 952439

Ion Ratio Lower Upper

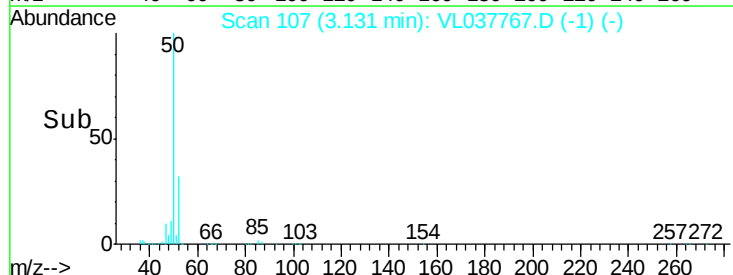
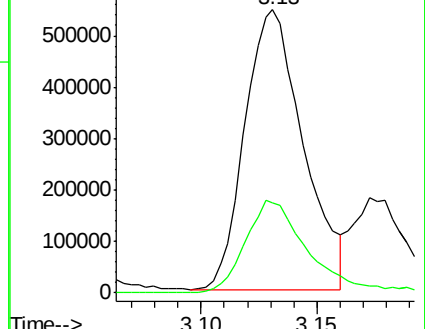
50 100

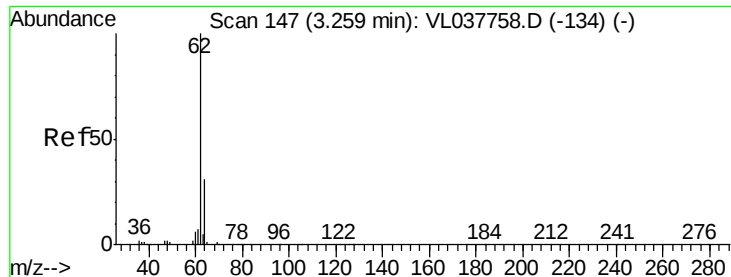
52 32.4 24.4 36.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#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 :

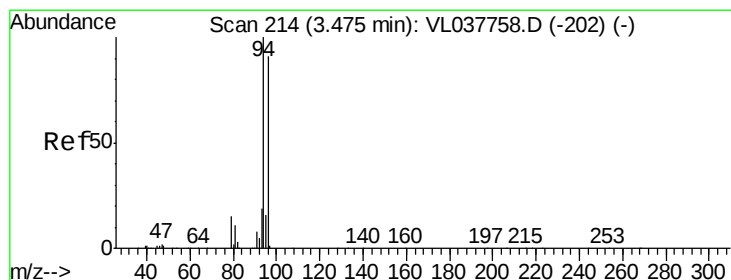
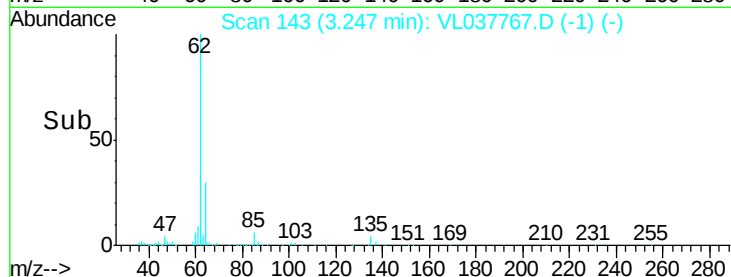
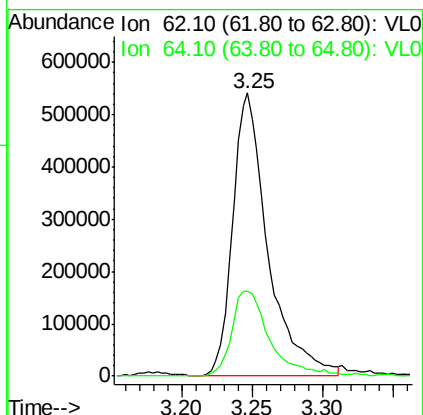
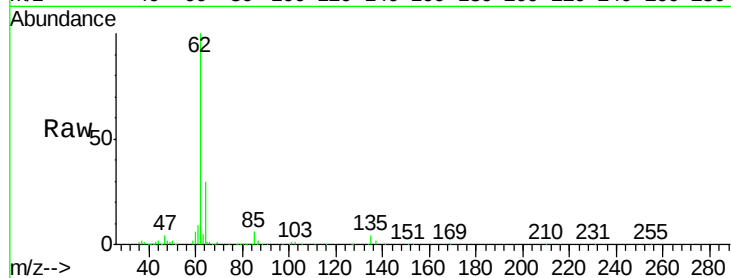
VSTDCCC010

Tgt Ion: 62 Resp: 946127

Ion Ratio Lower Upper

62 100

64 29.9 24.9 37.3



#6

Bromomethane

Concen: 9.166 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL037767.D

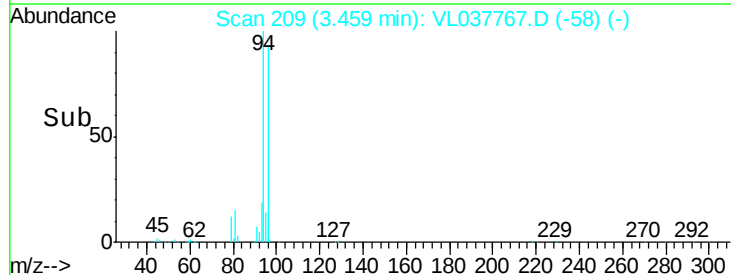
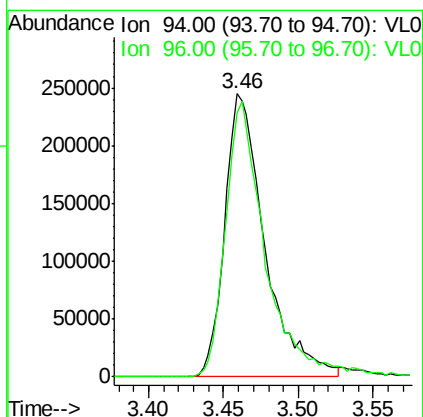
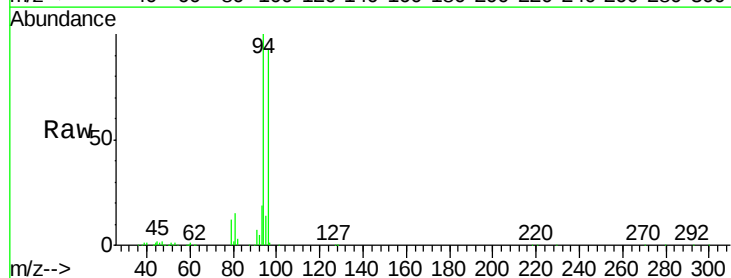
Acq: 5 Oct 2021 9:22

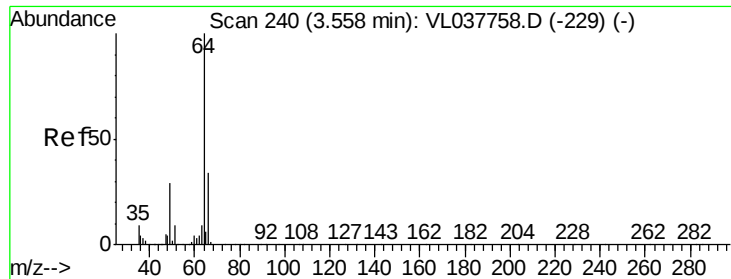
Tgt Ion: 94 Resp: 456663

Ion Ratio Lower Upper

94 100

96 93.4 72.5 108.7





#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 :

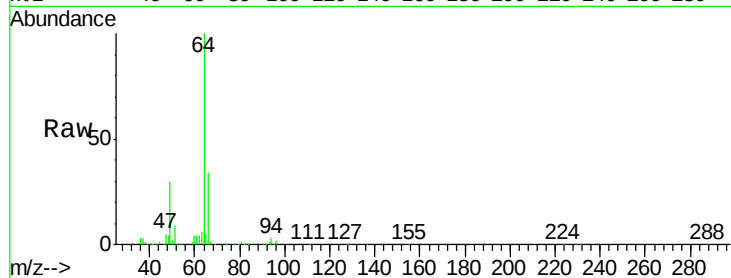
VSTDCCC010

Tgt Ion: 64 Resp: 322376

Ion Ratio Lower Upper

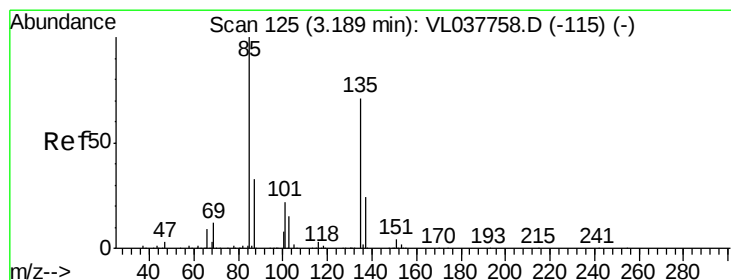
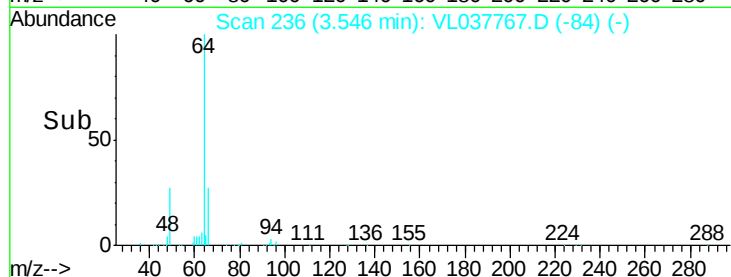
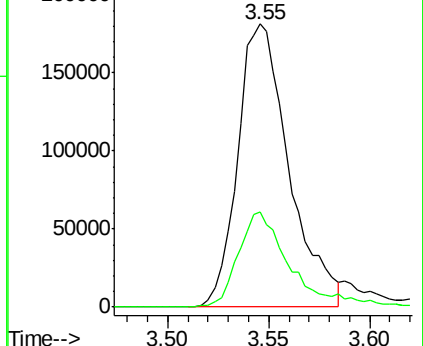
64 100

66 33.8 27.5 41.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.168 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037767.D

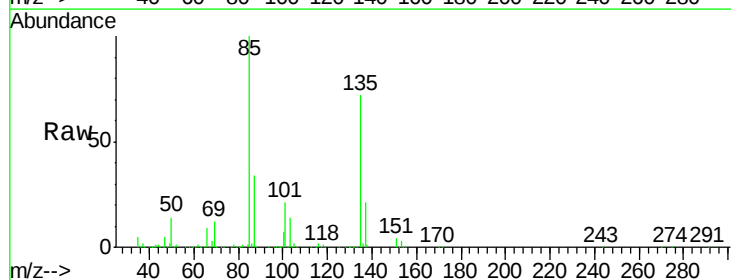
Acq: 5 Oct 2021 9:22

Tgt Ion: 85 Resp: 2066424

Ion Ratio Lower Upper

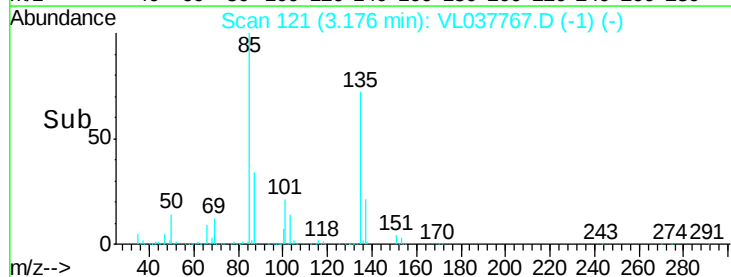
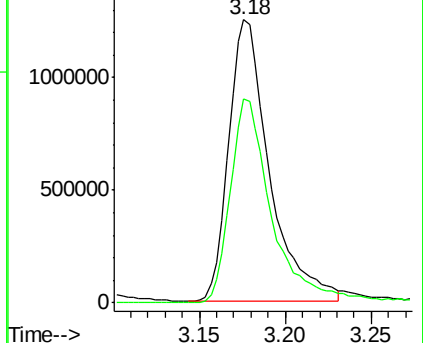
85 100

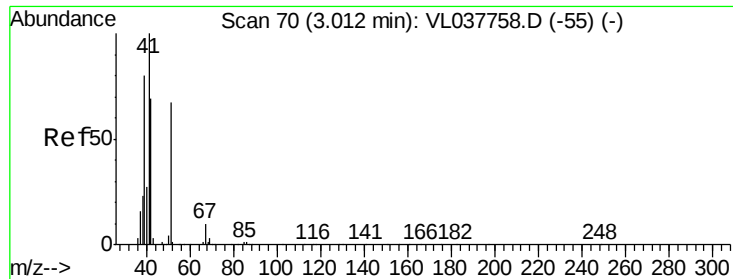
135 75.0 59.5 89.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#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 :

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ClientSampleId :

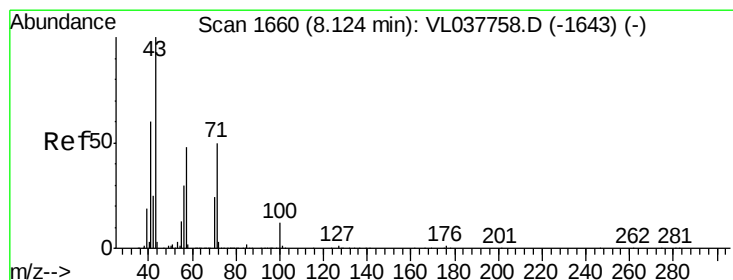
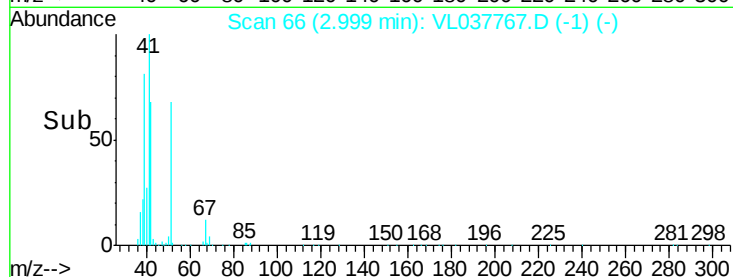
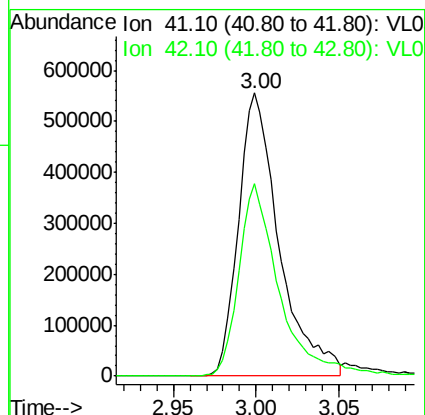
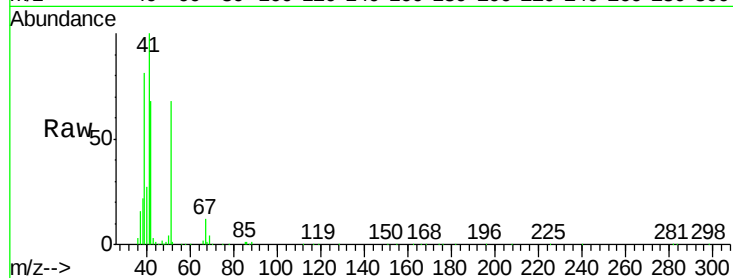
VSTDCCC010

Tgt Ion: 41 Resp: 949068

Ion Ratio Lower Upper

41 100

42 68.2 54.2 81.2



#10

Heptane

Concen: 10.245 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VL037767.D

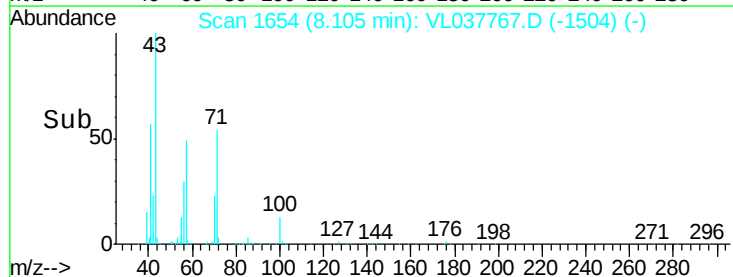
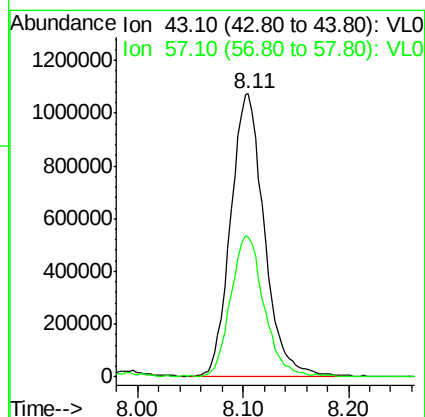
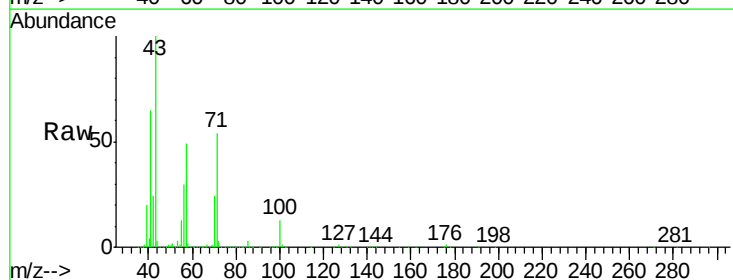
Acq: 5 Oct 2021 9:22

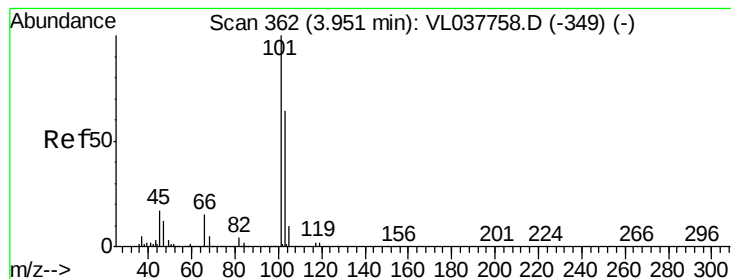
Tgt Ion: 43 Resp: 2348450

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 :

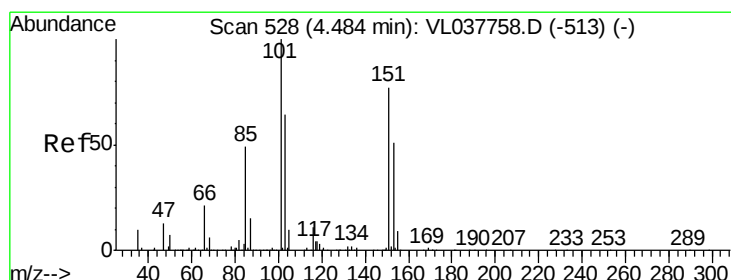
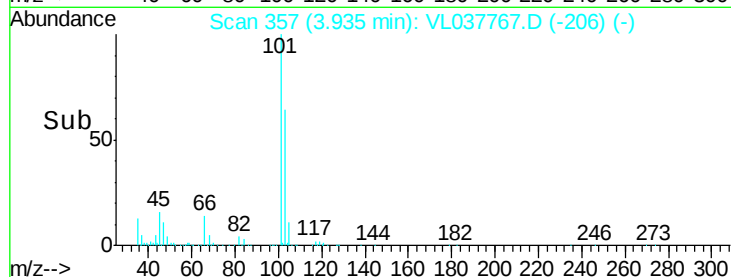
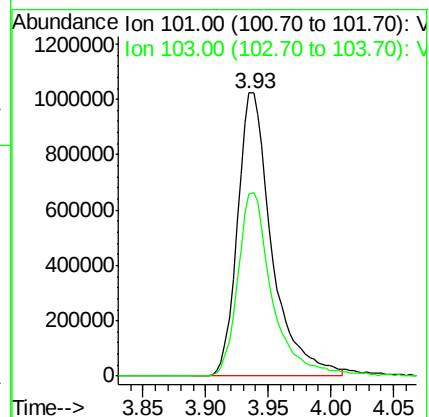
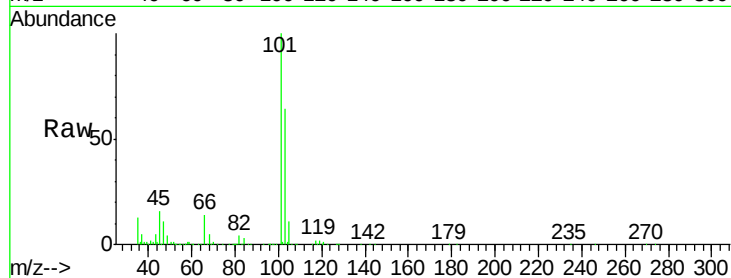
VSTDCCC010

Tgt Ion:101 Resp: 1950784

Ion Ratio Lower Upper

101 100

103 64.4 51.5 77.3



#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

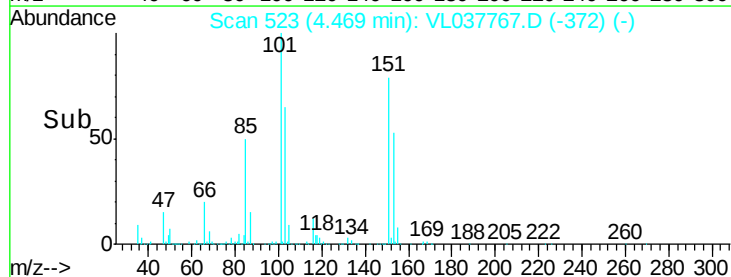
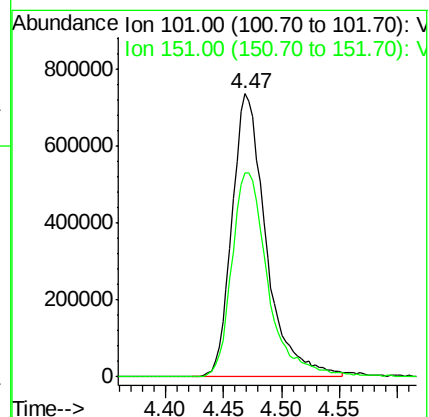
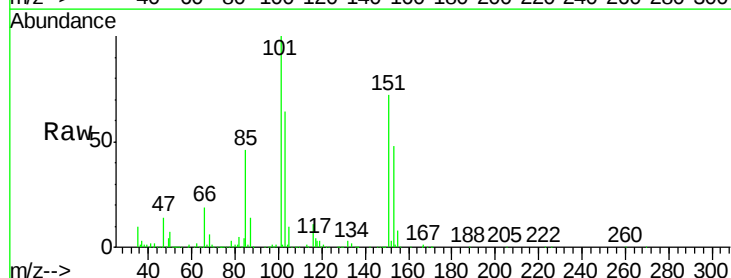
Acq: 5 Oct 2021 9:22

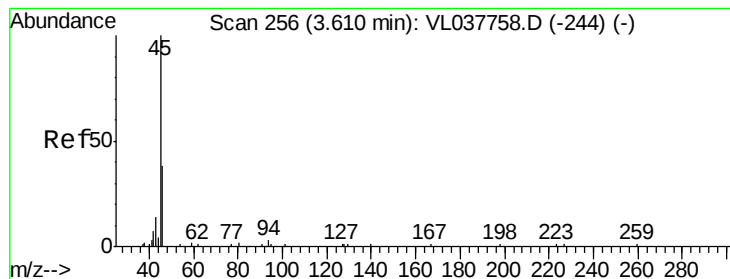
Tgt Ion:101 Resp: 1499539

Ion Ratio Lower Upper

101 100

151 76.9 62.9 94.3





#13

Ethanol

Concen: 5.670 ppbv

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 :

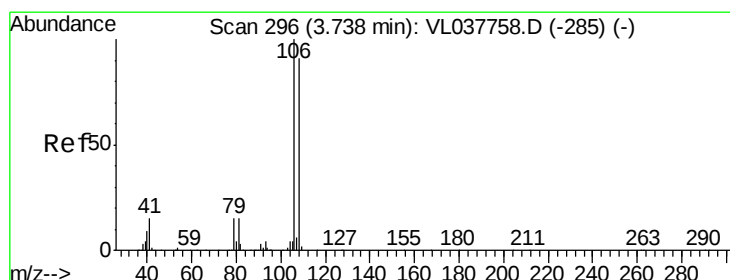
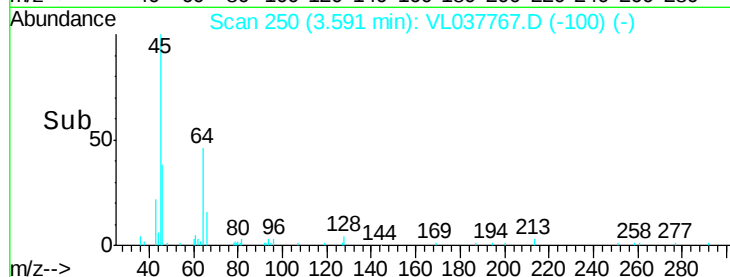
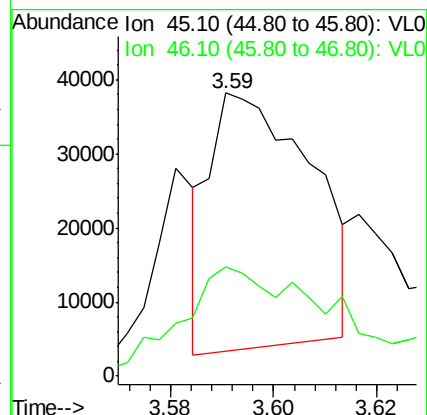
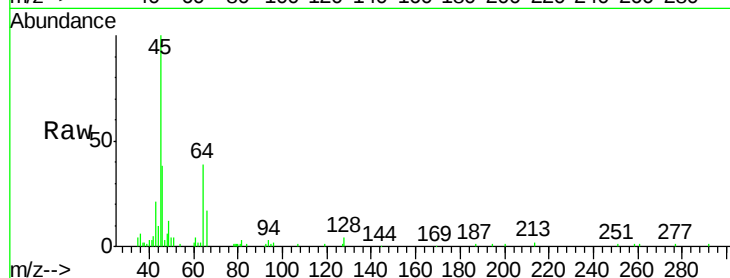
VSTDCCC010

Tgt Ion: 45 Resp: 46803

Ion Ratio Lower Upper

45 100

46 81.2 20.2 81.0#



#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

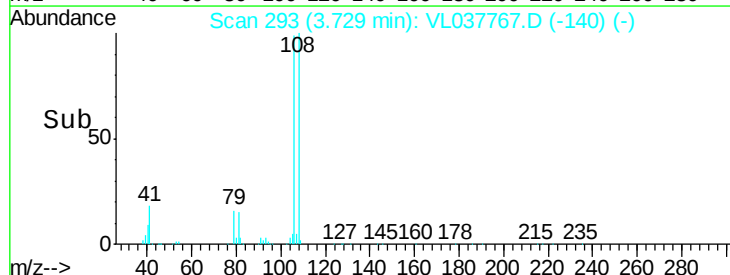
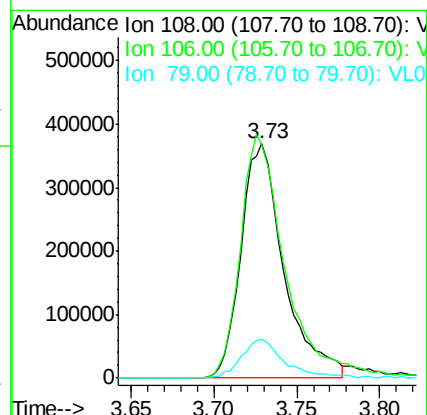
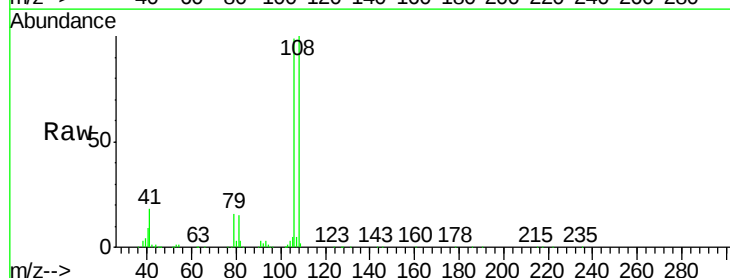
Tgt Ion: 108 Resp: 663961

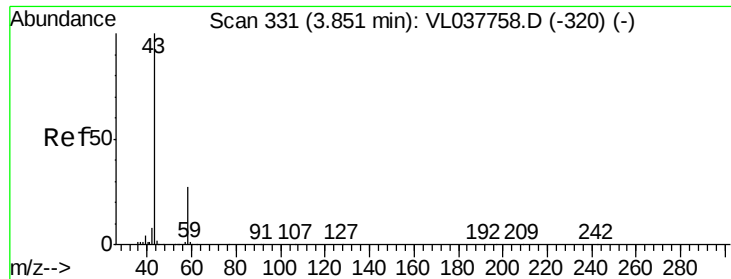
Ion Ratio Lower Upper

108 100

106 110.5 91.9 137.9

79 16.9 13.9 20.9

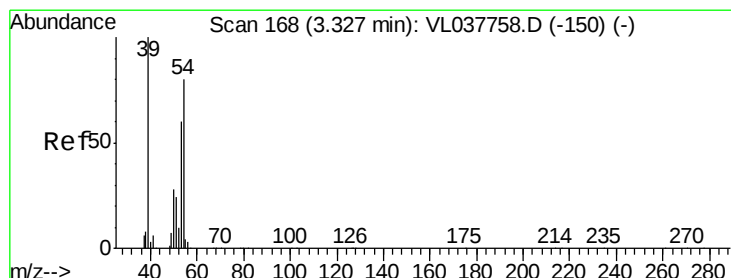
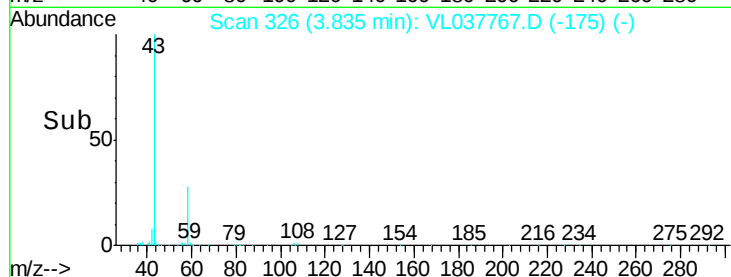
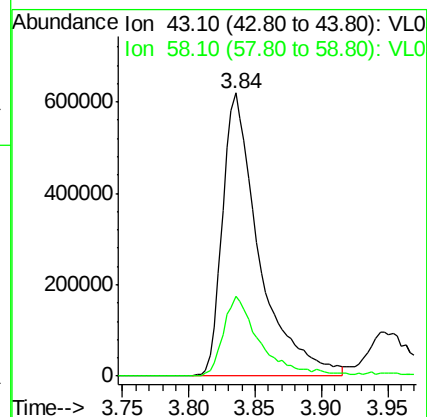
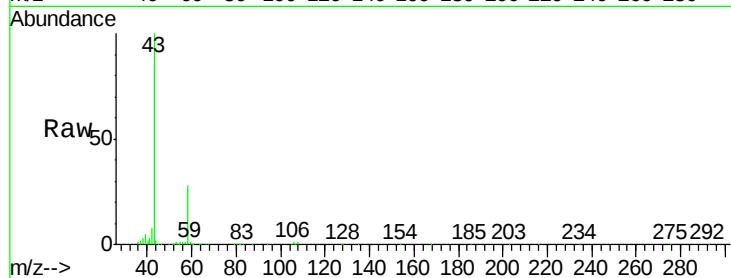




#15
Acetone
Concen: 9.268 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

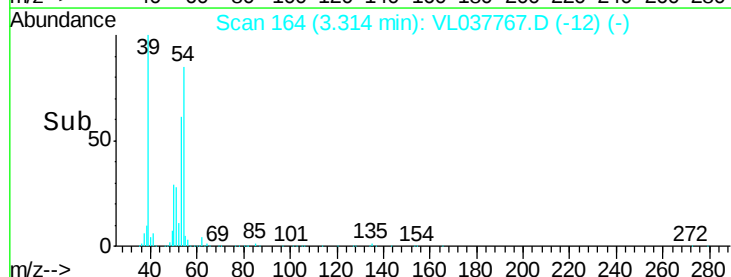
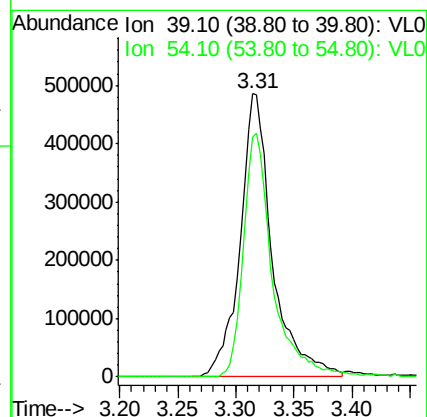
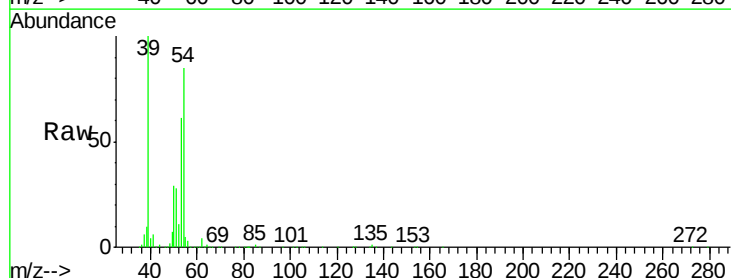
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

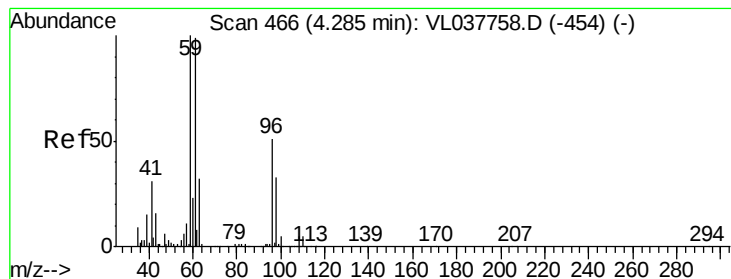
Tgt Ion: 43 Resp: 1187823
Ion Ratio Lower Upper
43 100
58 28.6 23.0 34.6



#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 :

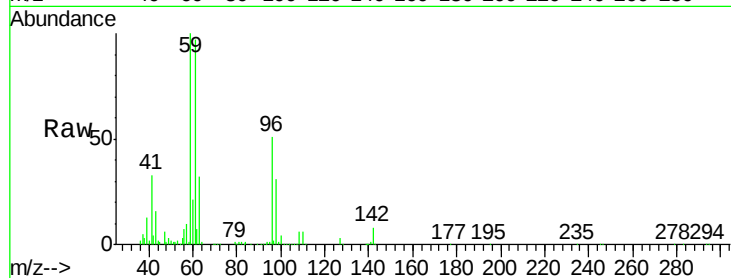
VSTDCCC010

Tgt Ion: 59 Resp: 1414030

Ion Ratio Lower Upper

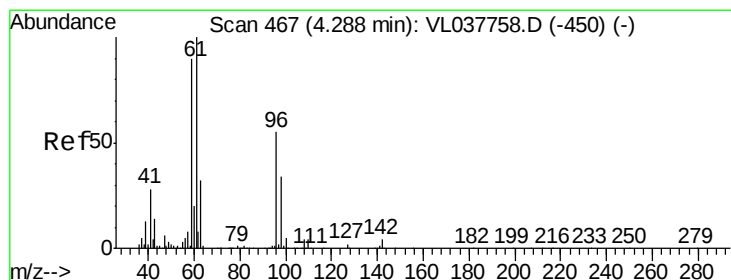
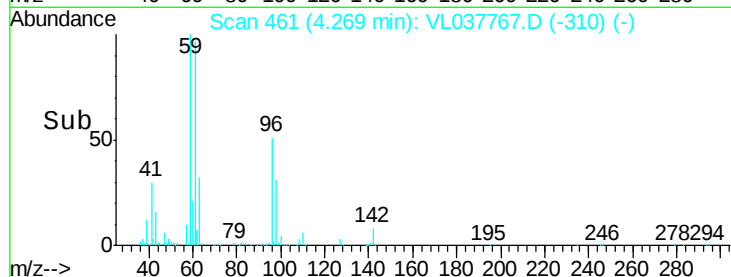
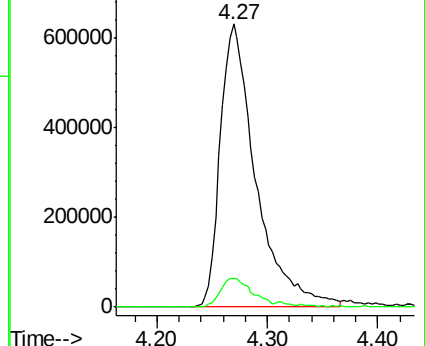
59 100

57 10.5 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#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

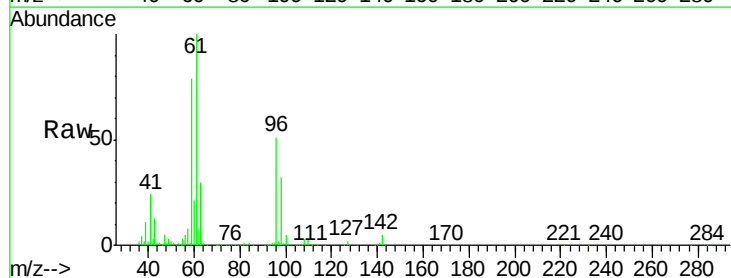
Tgt Ion: 96 Resp: 686942

Ion Ratio Lower Upper

96 100

61 195.9 146.2 219.4

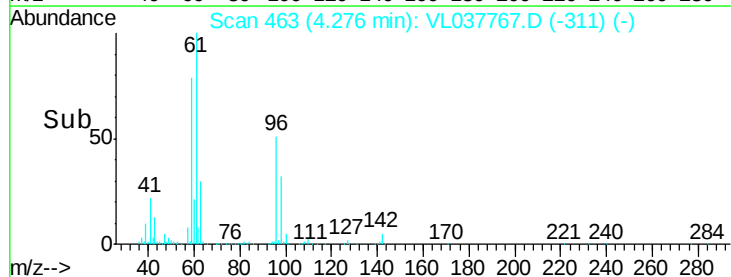
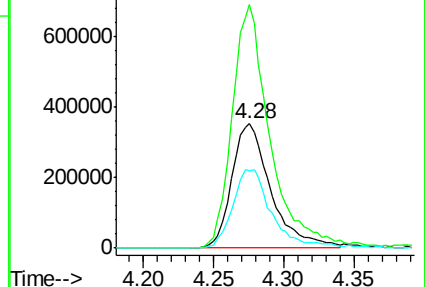
98 62.6 50.0 75.0

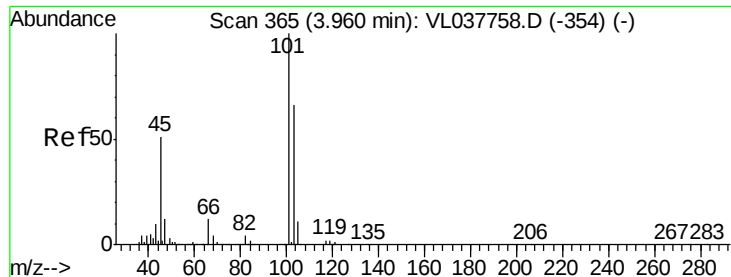


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#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 :

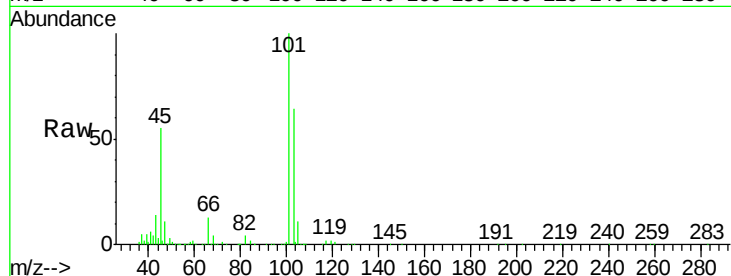
VSTDCCC010

Tgt Ion: 45 Resp: 827293

Ion Ratio Lower Upper

45 100

58 2.3 1.1 1.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

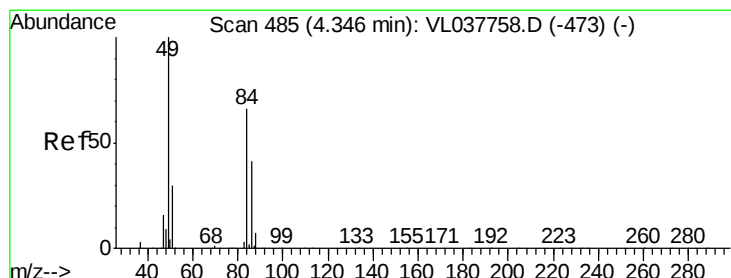
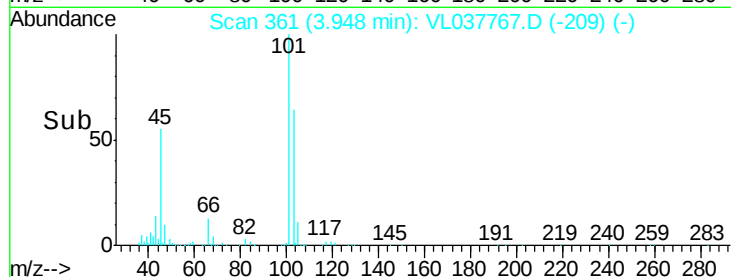
300000

200000

100000

0

Time-->



#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

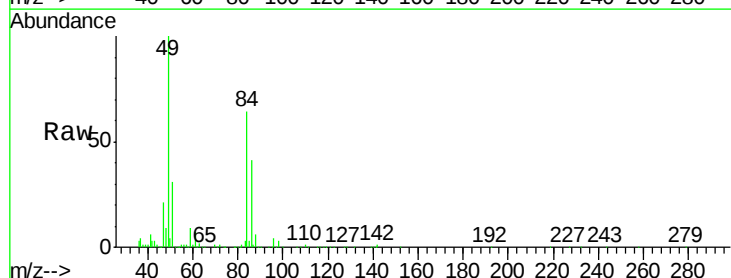
Ion Ratio Lower Upper

84 100

49 154.0 120.7 181.1

51 46.6 36.2 54.4

86 63.7 49.6 74.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

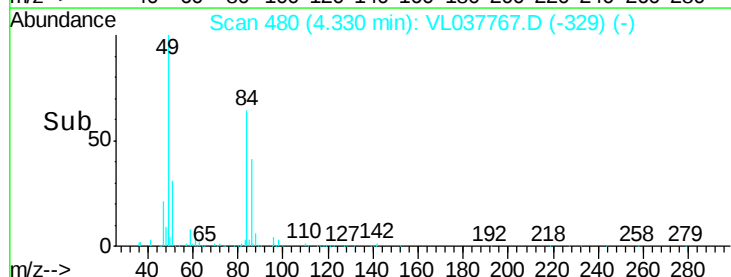
600000

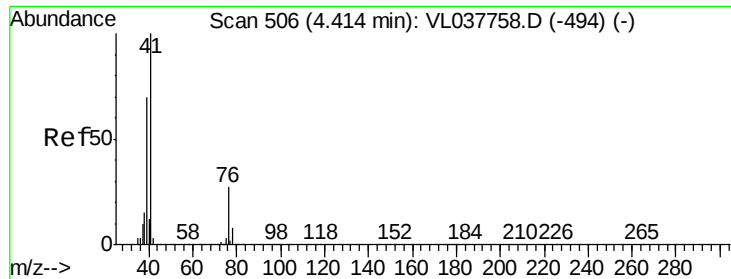
400000

200000

0

Time-->





#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

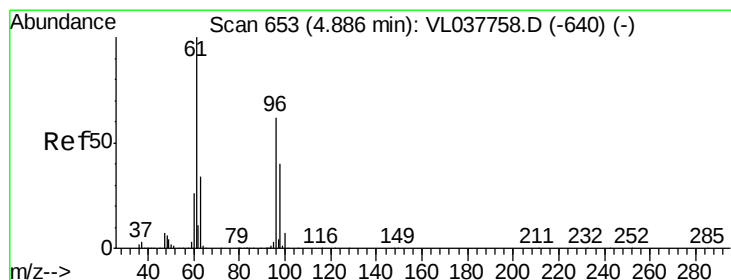
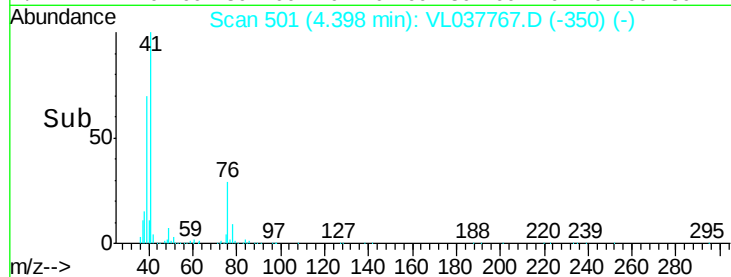
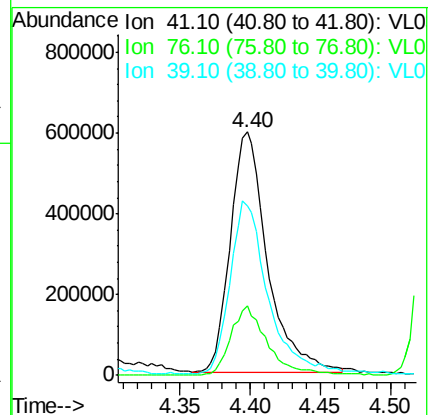
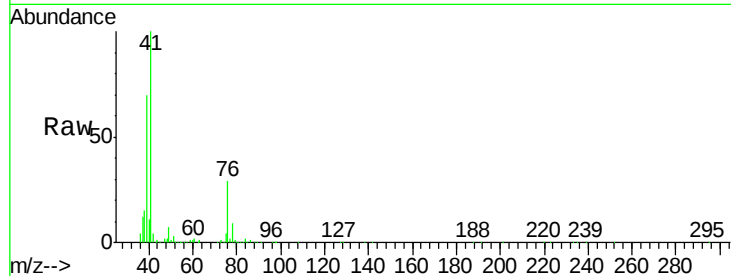
Tgt Ion: 41 Resp: 1103447

Ion Ratio Lower Upper

41 100

76 28.7 22.4 33.6

39 74.3 58.0 87.0



#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

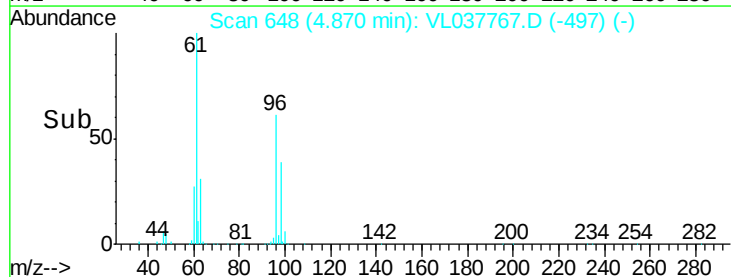
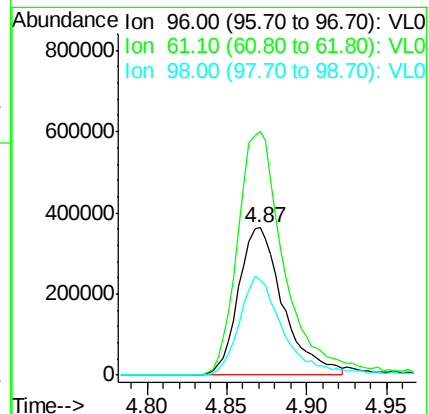
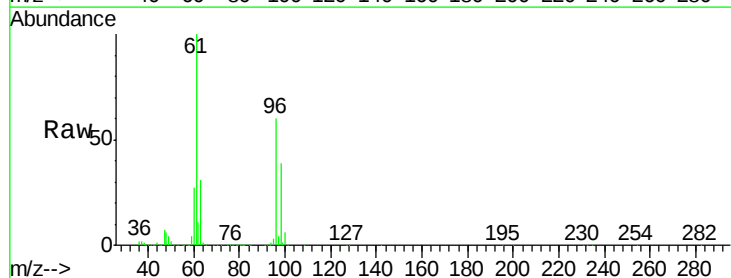
Tgt Ion: 96 Resp: 693429

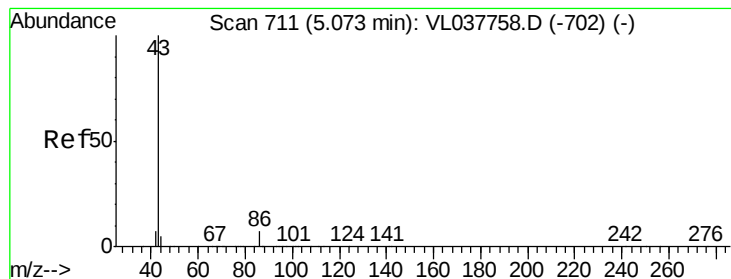
Ion Ratio Lower Upper

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

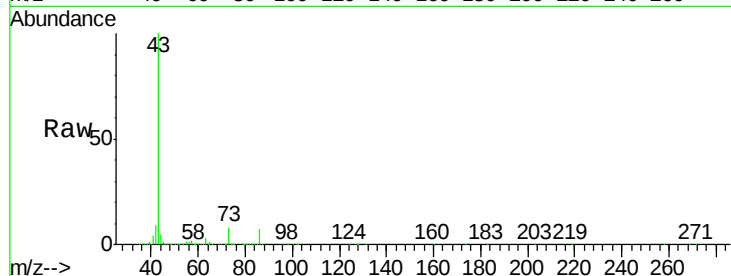
Ion Ratio Lower Upper

43 100

86 6.8 5.0 7.4

42 9.1 7.4 11.0

44 5.0 3.8 5.6

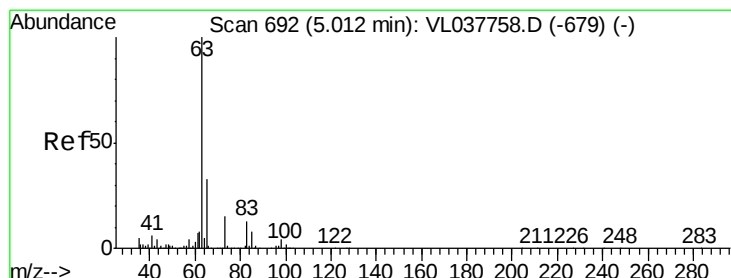
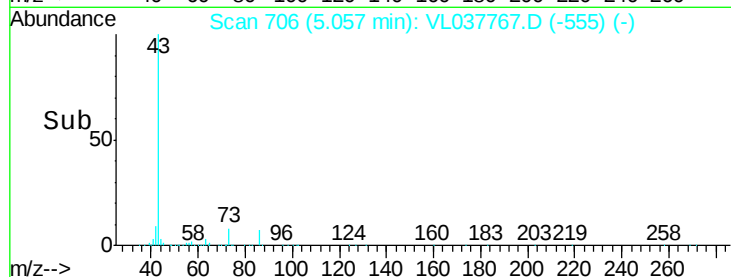
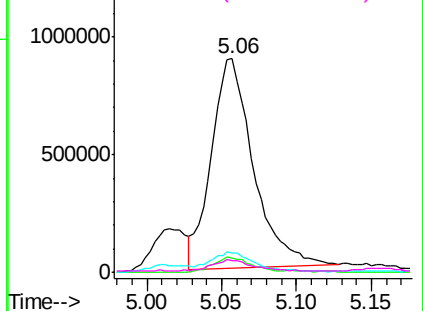


Abundance Ion 43.10 (42.80 to 43.80): VL0

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

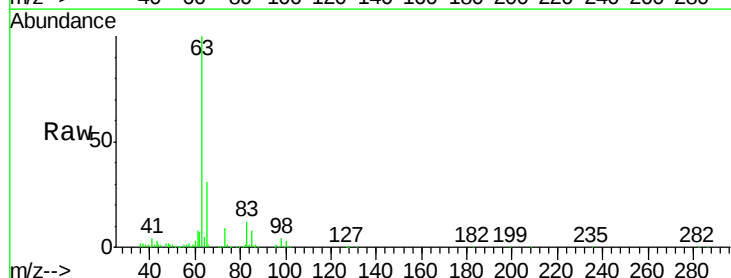
Tgt Ion: 63 Resp: 1398054

Ion Ratio Lower Upper

63 100

98 3.6 2.3 6.9

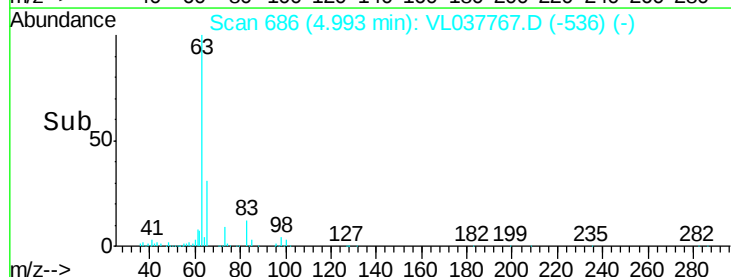
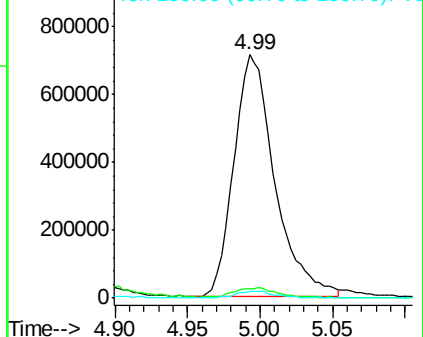
100 3.0 1.1 3.1

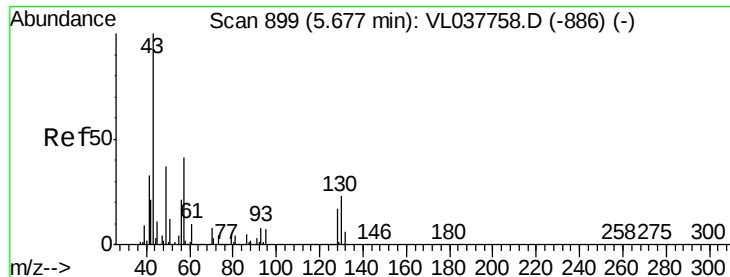


Abundance Ion 63.10 (62.80 to 63.80): VL0

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: 43 Resp: 3609699

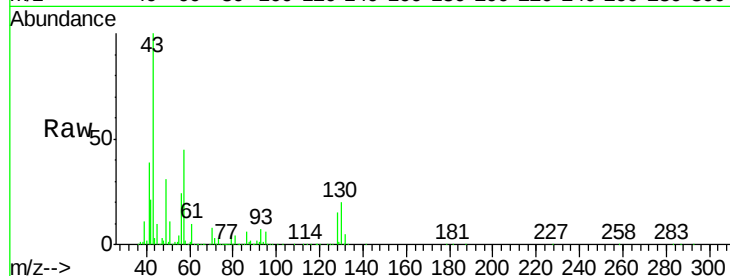
Ion Ratio Lower Upper

43 100

45 10.2 8.1 12.1

61 9.8 7.5 11.3

70 7.2 5.9 8.9

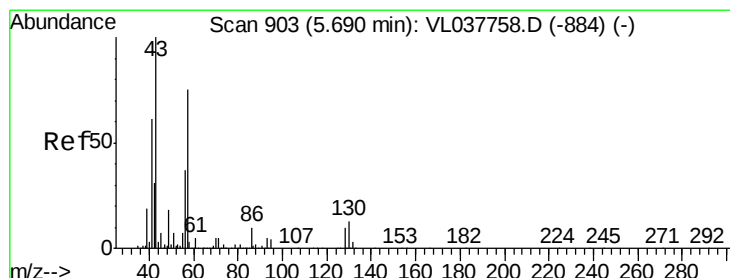
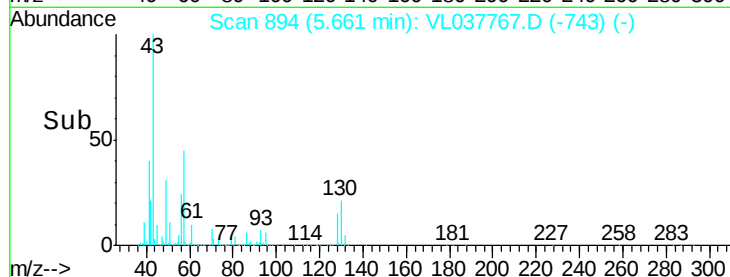
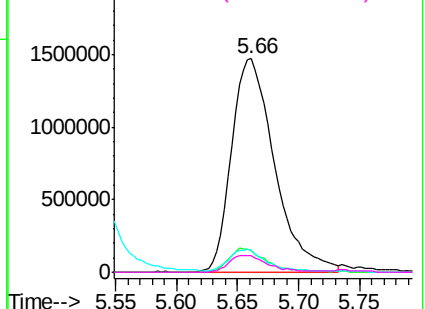


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#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: 57 Resp: 1725361

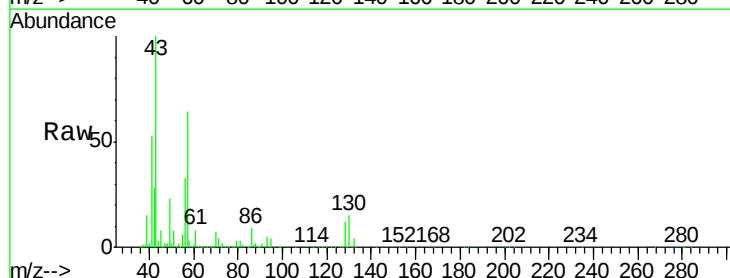
Ion Ratio Lower Upper

57 100

41 87.9 69.6 104.4

43 214.5 171.4 257.0

56 52.9 42.0 63.0

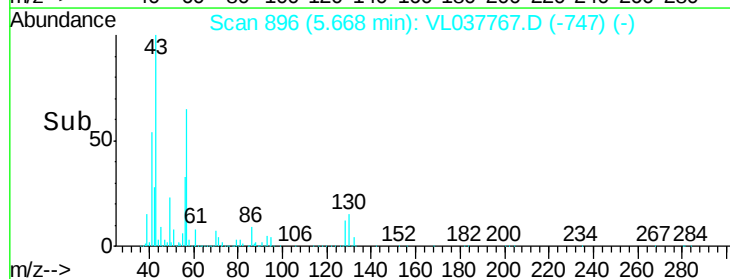
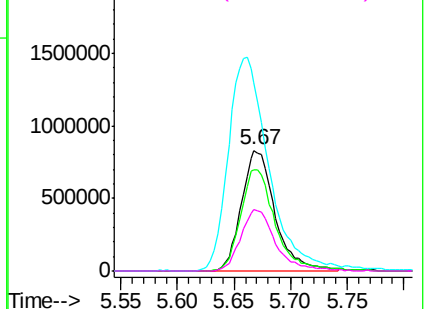


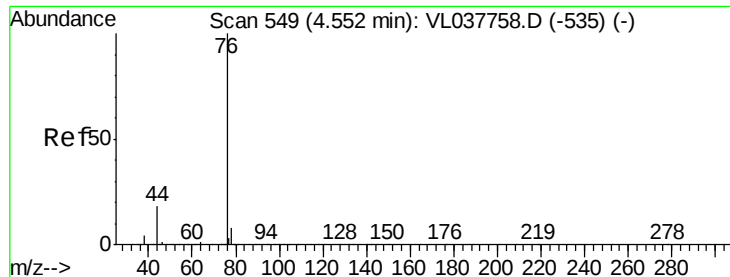
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#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

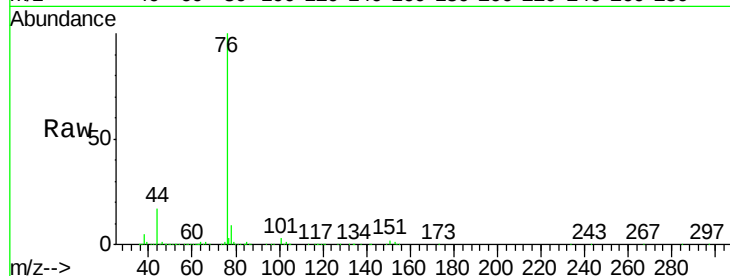
Tgt Ion: 76 Resp: 1660820

Ion Ratio Lower Upper

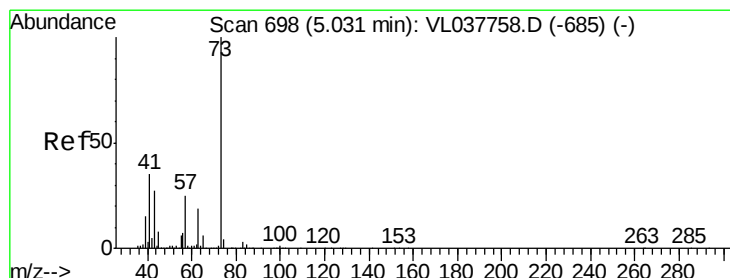
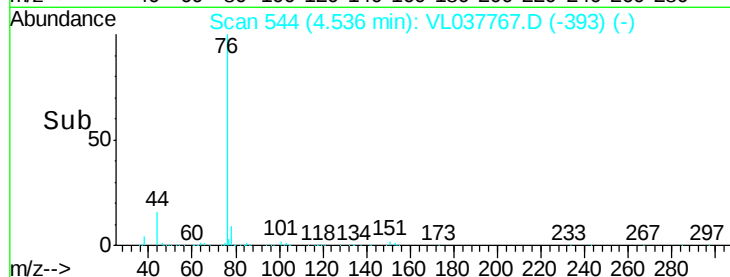
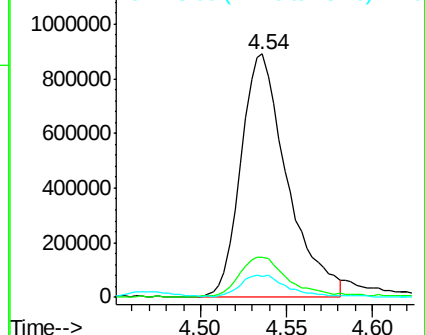
76 100

44 18.0 14.3 21.5

78 10.1 7.8 11.6



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

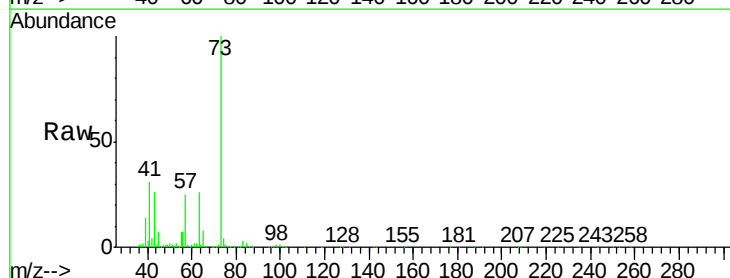
Acq: 5 Oct 2021 9:22

Tgt Ion: 73 Resp: 1480862

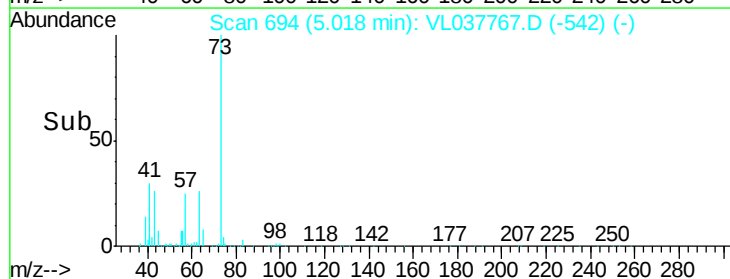
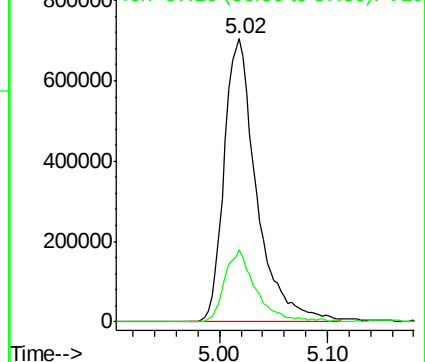
Ion Ratio Lower Upper

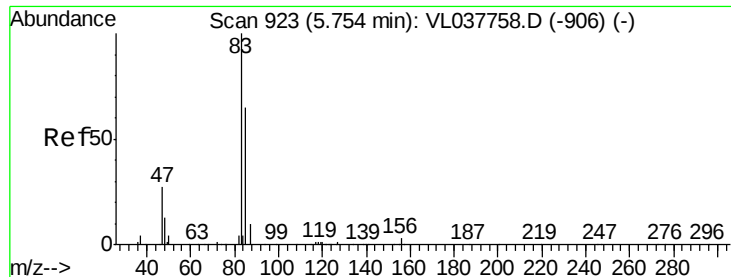
73 100

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 :

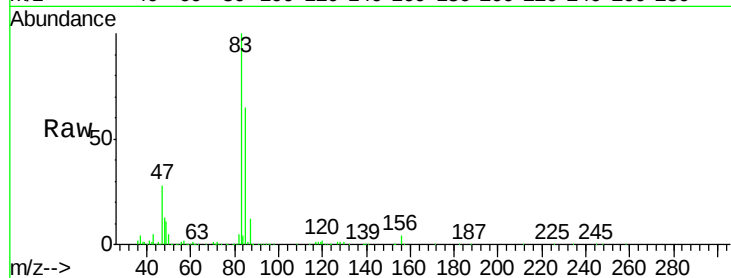
VSTDCCC010

Tgt Ion: 83 Resp: 2390902

Ion Ratio Lower Upper

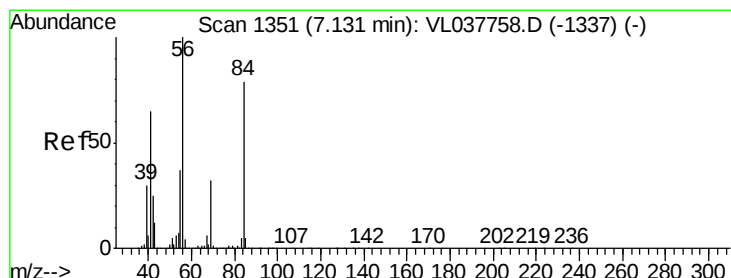
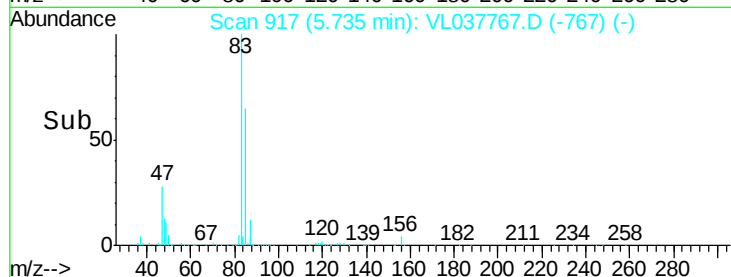
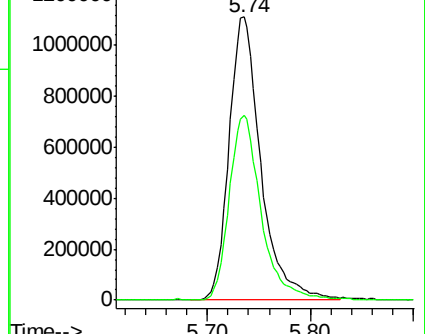
83 100

85 65.2 51.8 77.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#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

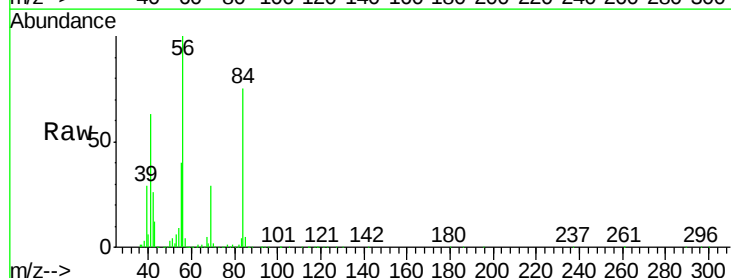
Tgt Ion: 84 Resp: 1431484

Ion Ratio Lower Upper

84 100

56 142.9 113.0 169.4

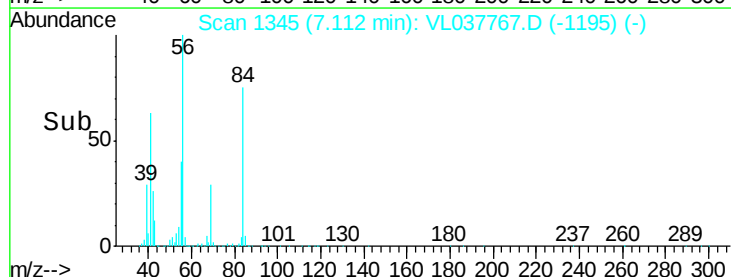
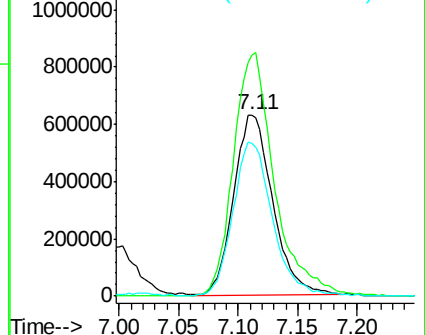
41 86.3 69.1 103.7

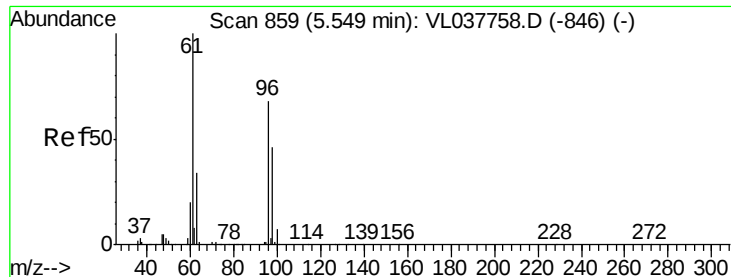


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



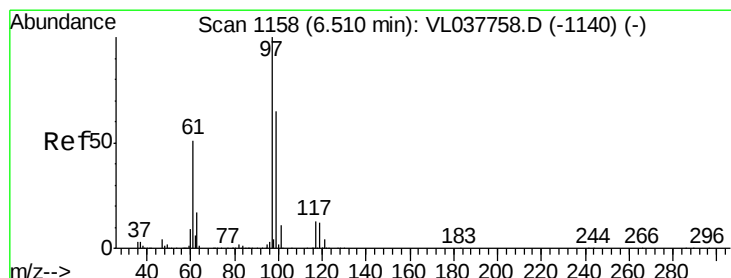
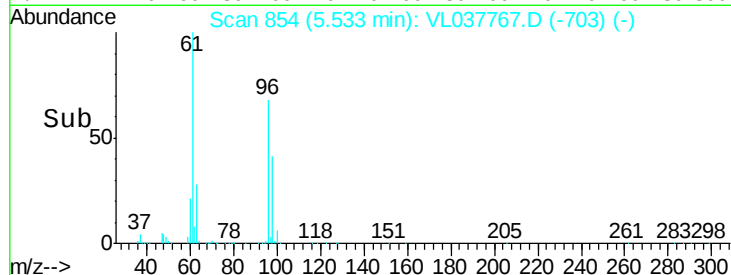
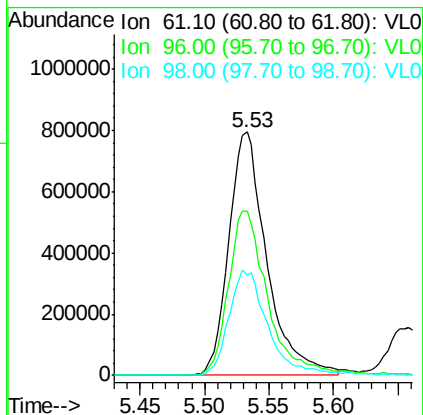
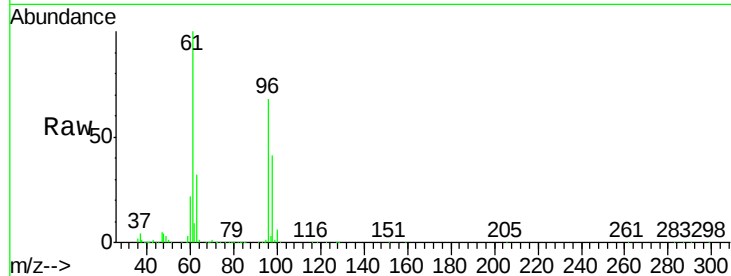


#31

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

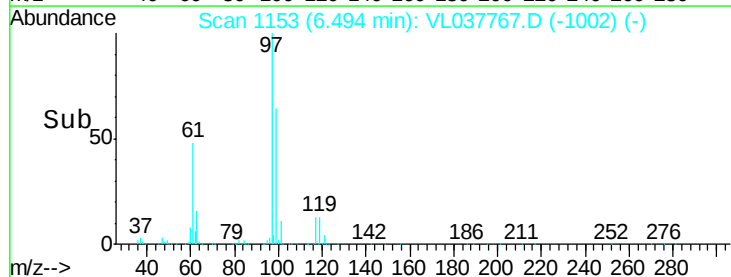
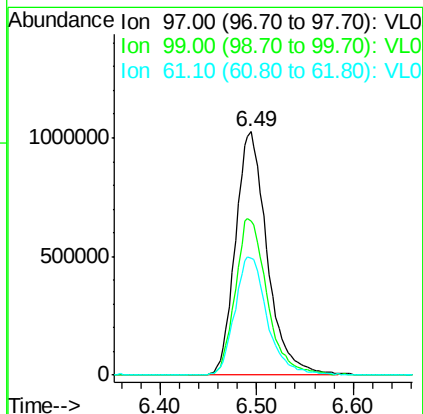
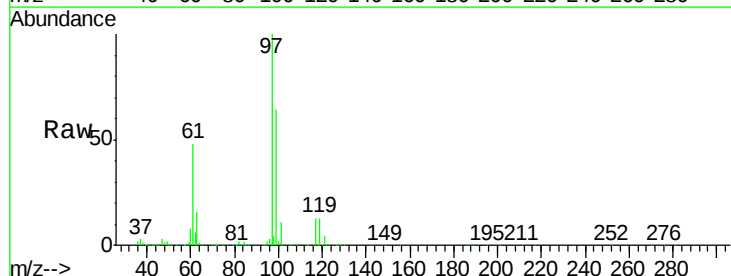
Tgt Ion: 61 Resp: 1623412
 Ion Ratio Lower Upper
 61 100
 96 67.4 54.2 81.2
 98 41.1 36.6 54.8

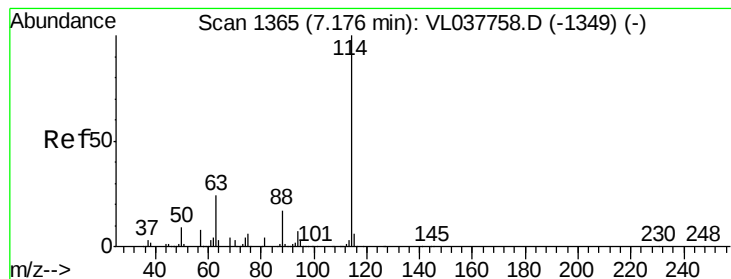


#32

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

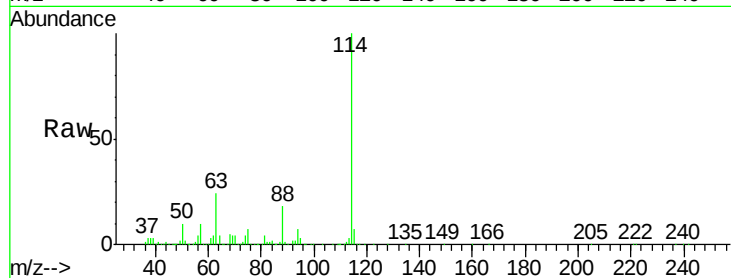
Tgt Ion:114 Resp: 4236236

Ion Ratio Lower Upper

114 100

63 23.9 19.4 29.2

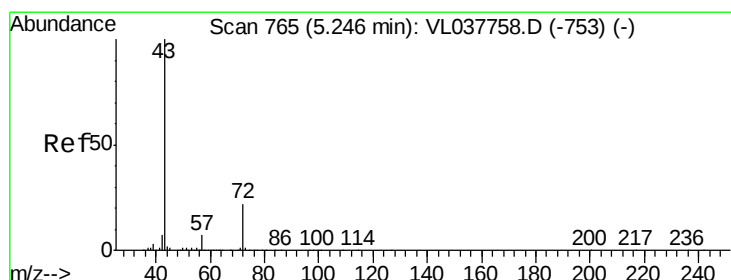
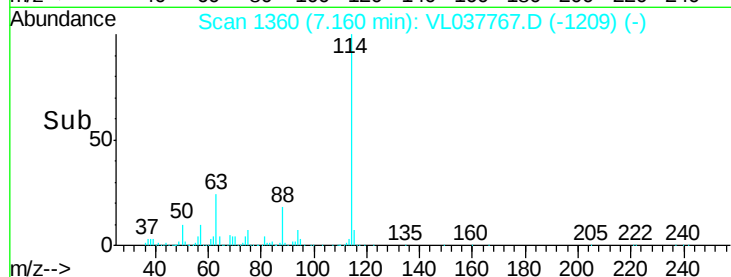
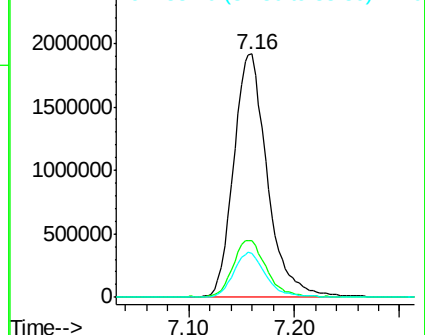
88 17.8 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.255 ppbv

RT: 5.23 min Scan# 759

Delta R.T. -0.02 min

Lab File: VL037767.D

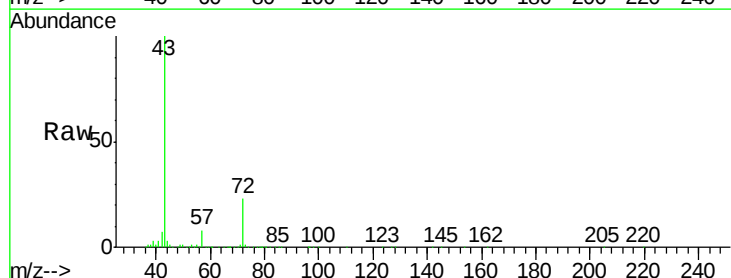
Acq: 5 Oct 2021 9:22

Tgt Ion: 43 Resp: 1582798

Ion Ratio Lower Upper

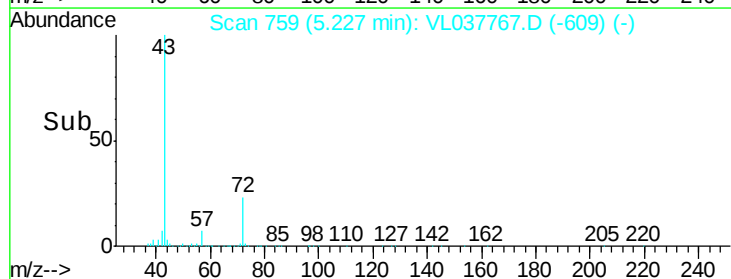
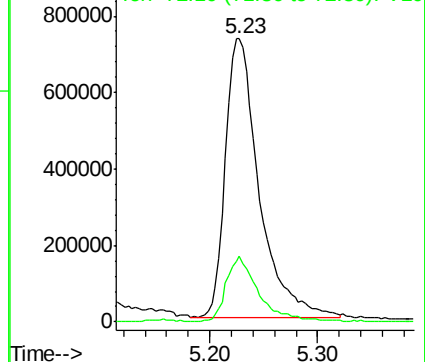
43 100

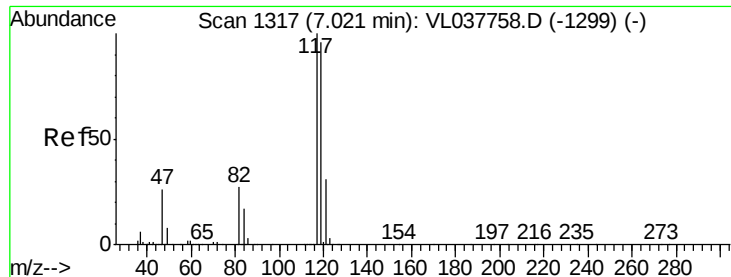
72 22.8 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#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

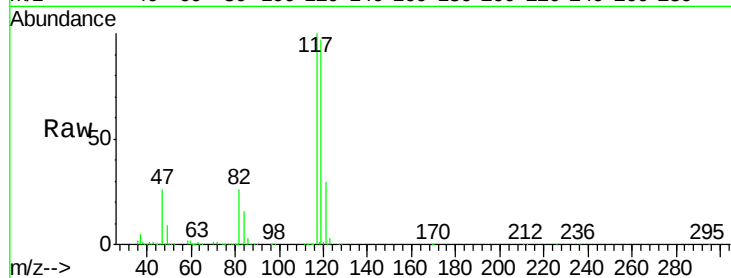
Tgt Ion:117 Resp: 2383634

Ion Ratio Lower Upper

117 100

119 97.0 76.5 114.7

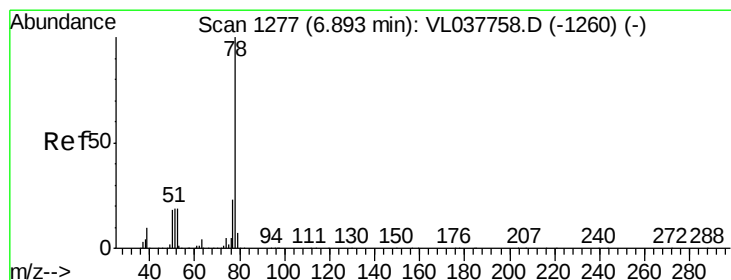
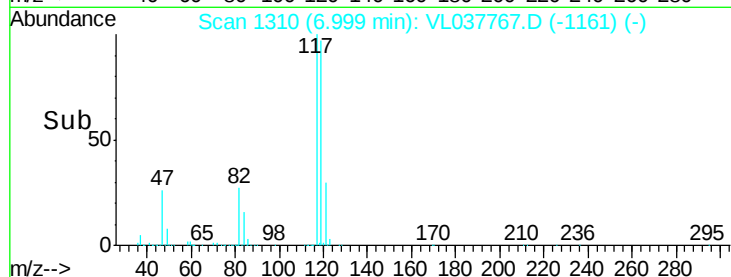
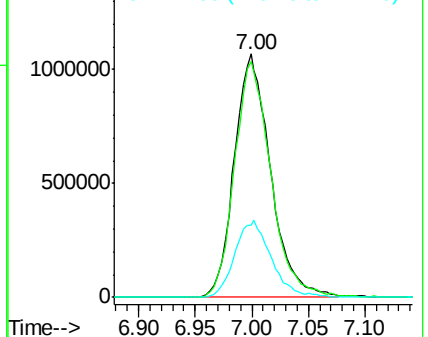
121 29.7 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 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

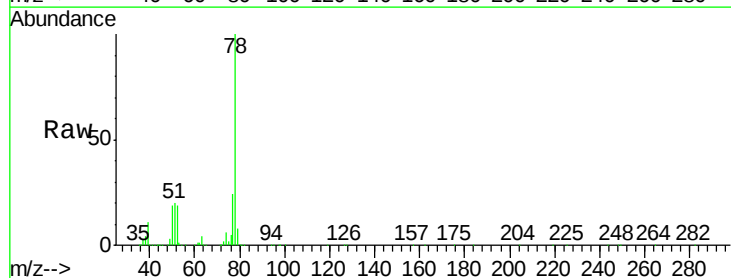
Tgt Ion: 78 Resp: 3598588

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

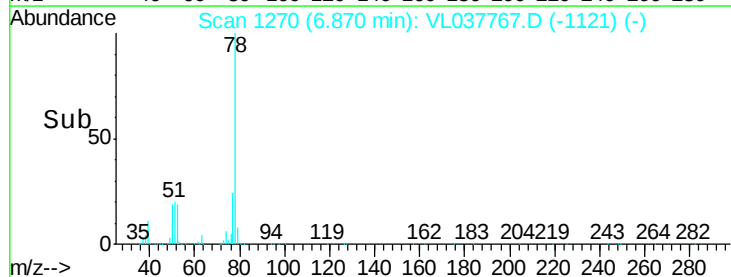
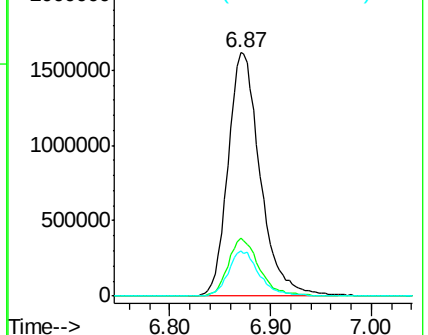
50 18.5 14.7 22.1

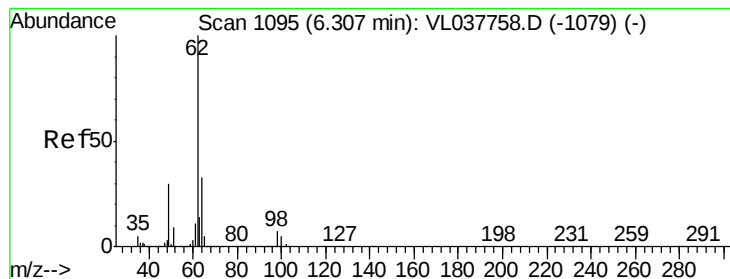


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.012 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 :

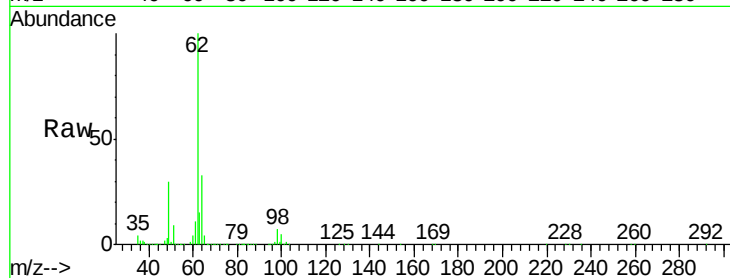
VSTDCCC010

Tgt Ion: 62 Resp: 1705695

Ion Ratio Lower Upper

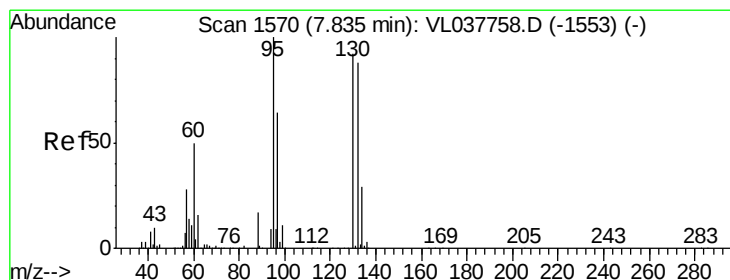
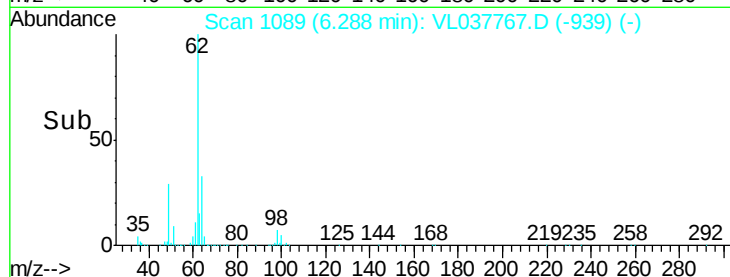
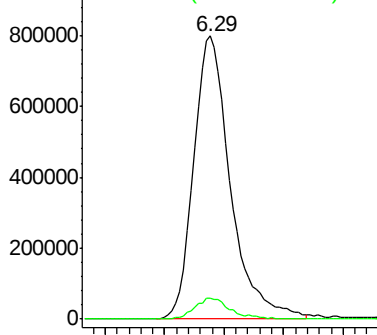
62 100

98 7.4 6.1 9.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#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

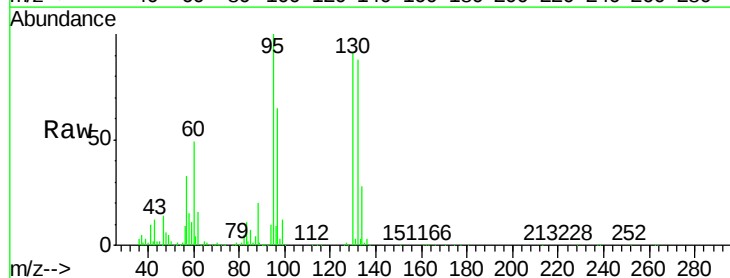
Ion Ratio Lower Upper

130 100

95 109.3 87.4 131.0

132 95.7 76.8 115.2

97 71.0 55.8 83.8

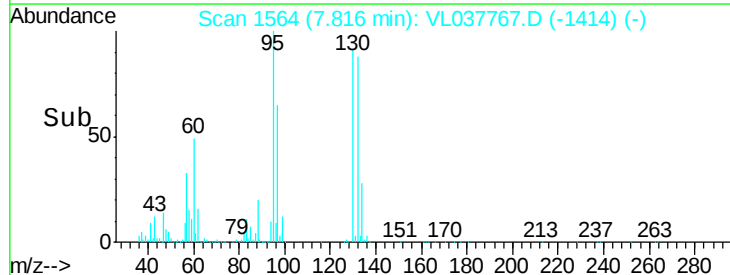
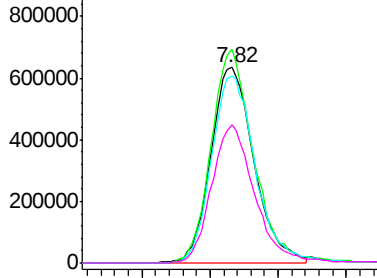


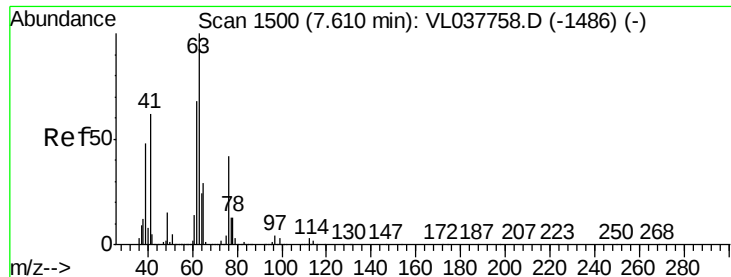
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#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

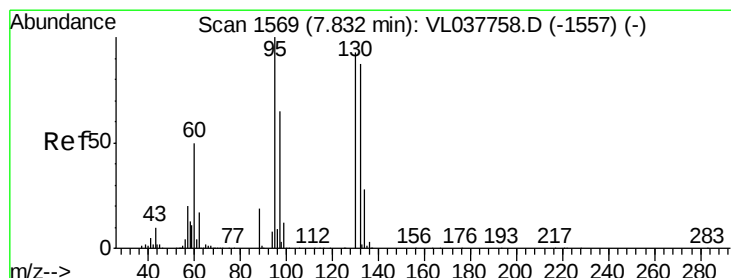
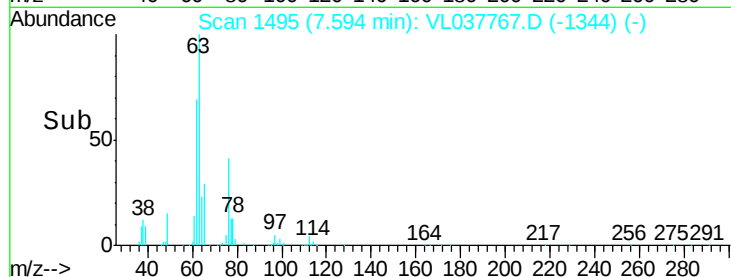
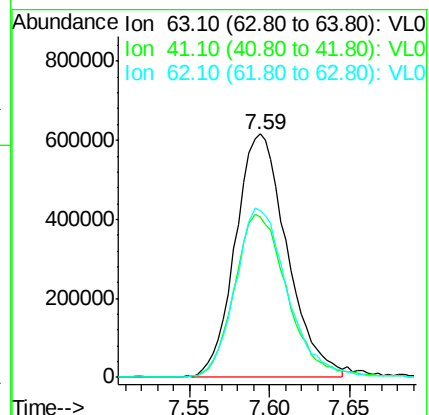
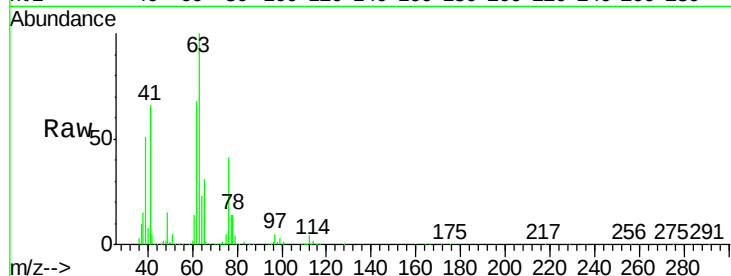
Tgt Ion: 63 Resp: 1349427

Ion	Ratio	Lower	Upper
63	100		
41	65.6	49.8	74.6
62	68.2	54.6	82.0

63 100

41 65.6 49.8 74.6

62 68.2 54.6 82.0



#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

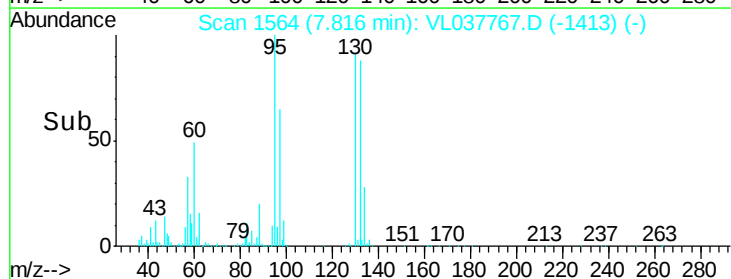
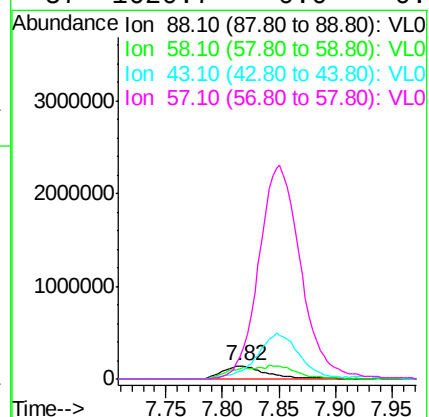
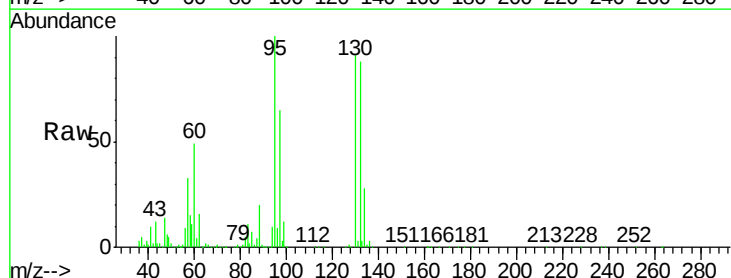
Ion	Ratio	Lower	Upper
88	100		
58	148.2	0.0	0.0#
43	363.4	0.0	0.0#
57	1620.7	0.0	0.0#

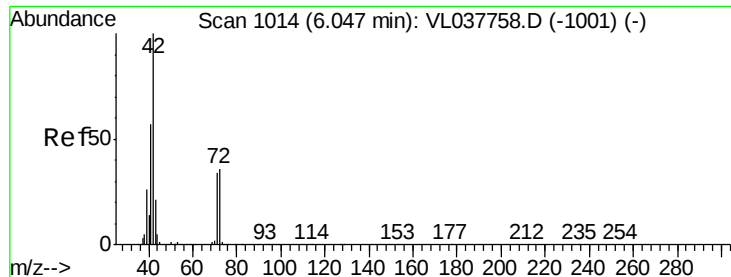
88 100

58 148.2 0.0 0.0#

43 363.4 0.0 0.0#

57 1620.7 0.0 0.0#

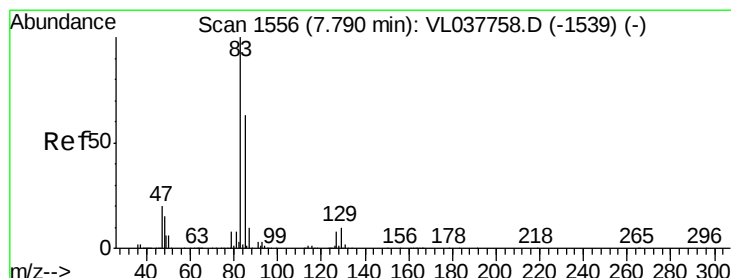
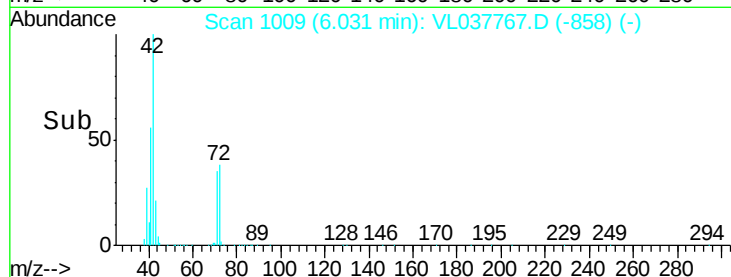
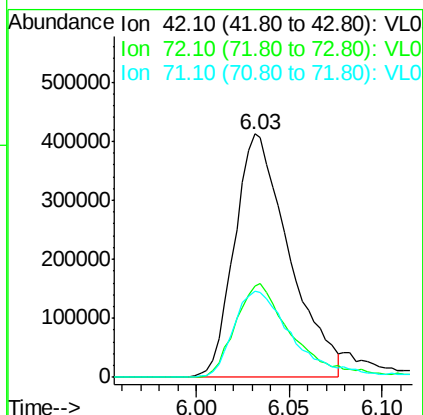
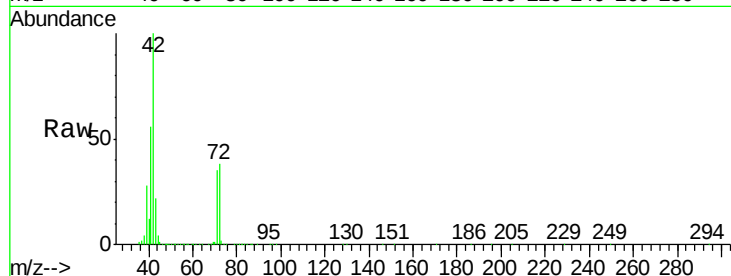




#41
Tetrahydrofuran
Concen: 10.059 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

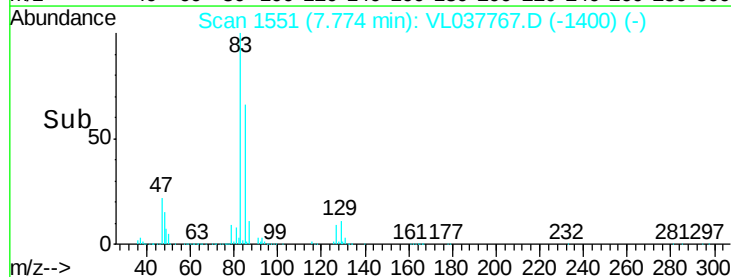
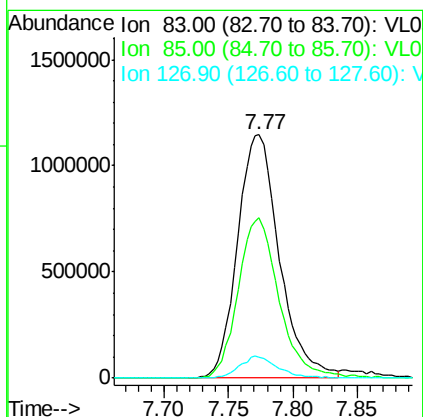
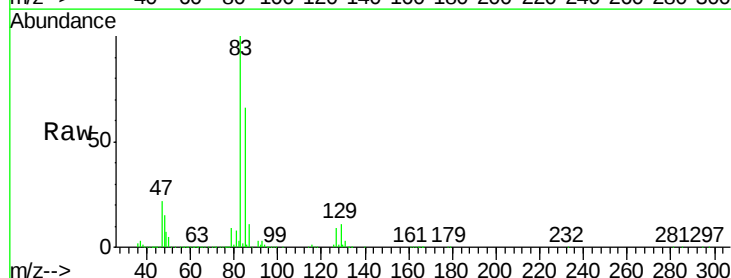
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

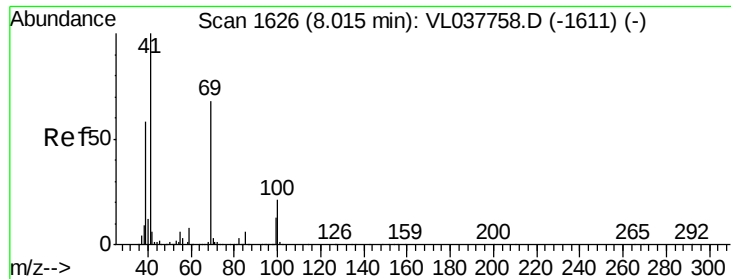
Tgt Ion: 42 Resp: 842362
Ion Ratio Lower Upper
42 100
72 41.3 31.9 47.9
71 39.5 30.3 45.5



#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: 83 Resp: 2594736
Ion Ratio Lower Upper
83 100
85 65.7 50.6 75.8
127 8.8 6.2 9.4

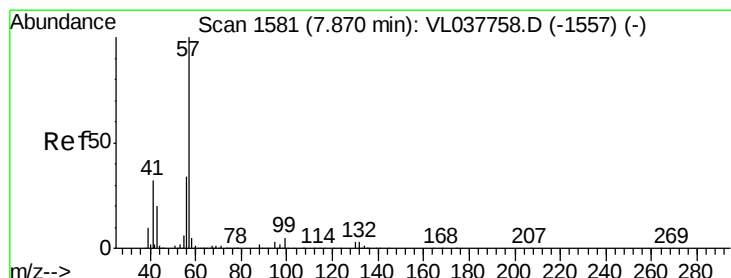
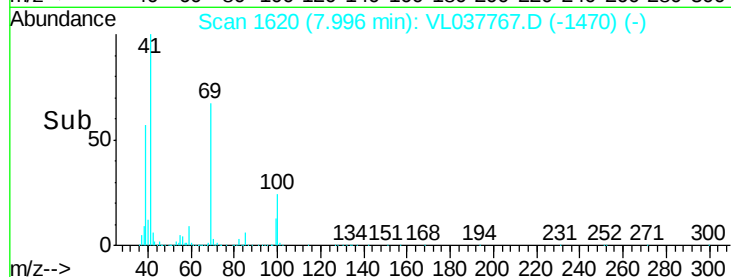
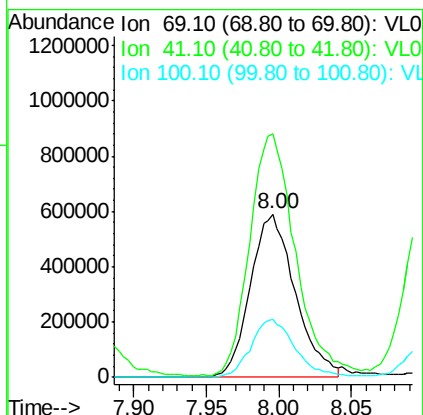
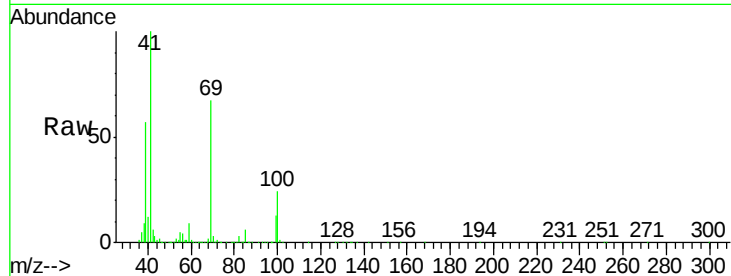




#43
Methyl Methacrylate
Concen: 10.745 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

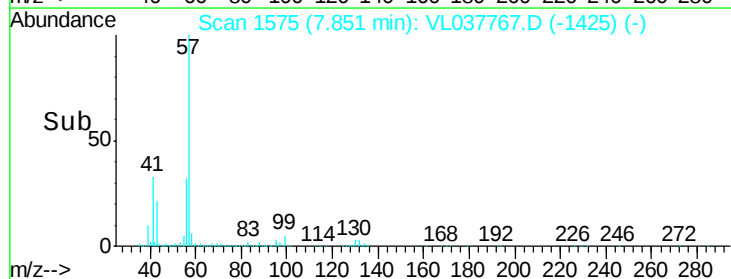
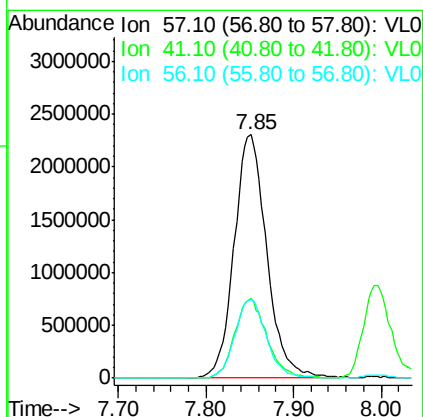
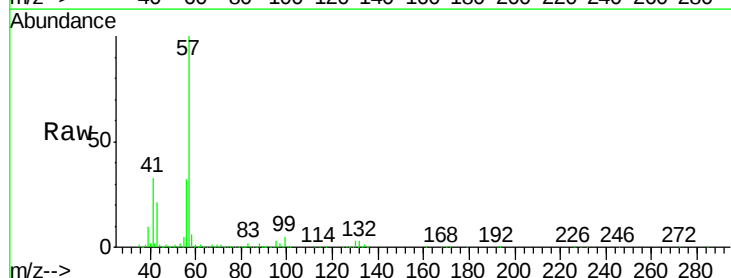
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

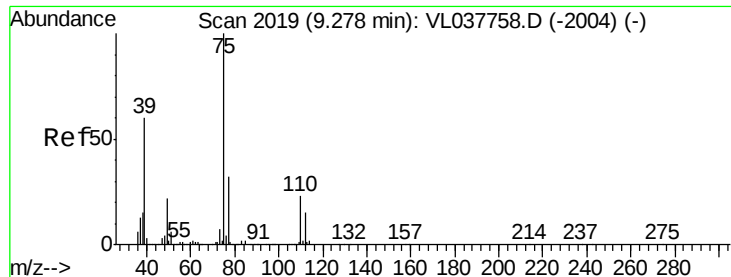
Tgt Ion: 69 Resp: 1269843
Ion Ratio Lower Upper
69 100
41 153.2 121.0 181.4
100 35.5 27.7 41.5



#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 :

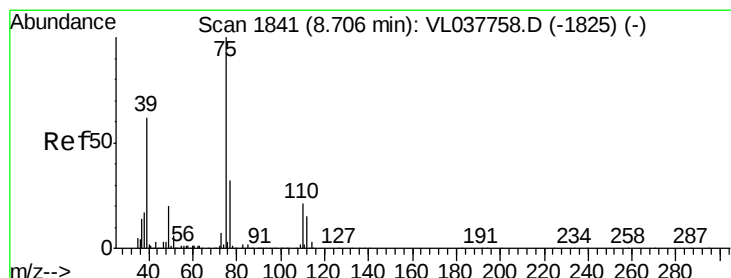
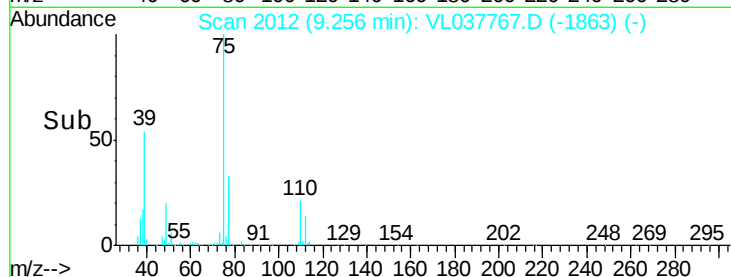
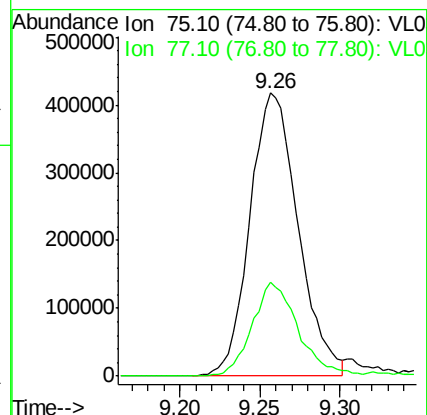
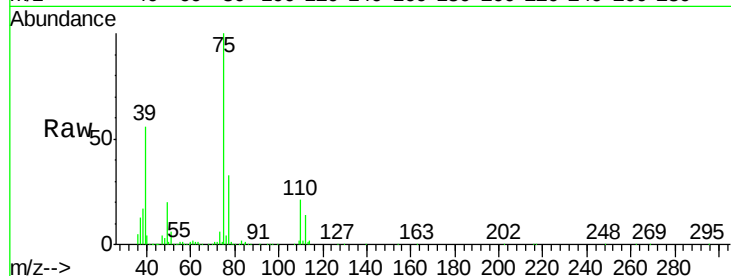
VSTDCCC010

Tgt Ion: 75 Resp: 858501

Ion Ratio Lower Upper

75 100

77 33.2 25.2 37.8



#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

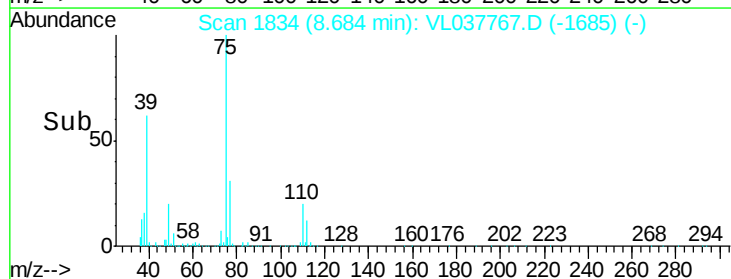
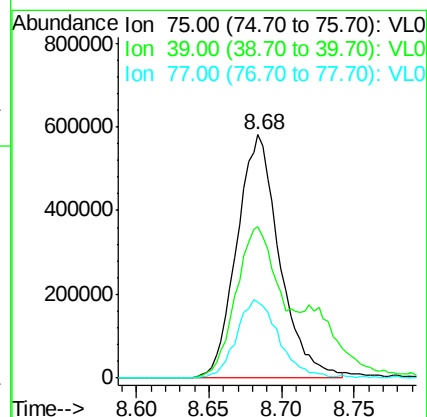
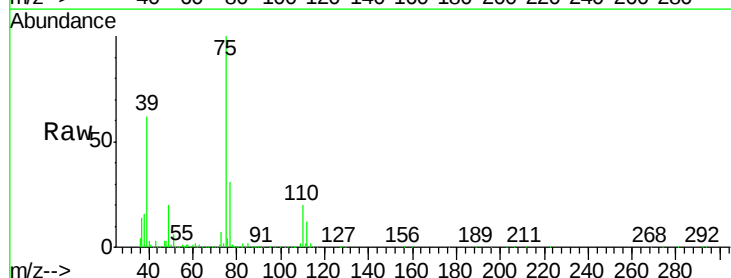
Tgt Ion: 75 Resp: 1187561

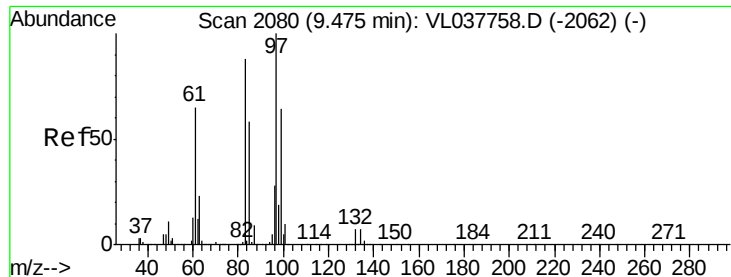
Ion Ratio Lower Upper

75 100

39 62.1 49.9 74.9

77 31.2 25.9 38.9



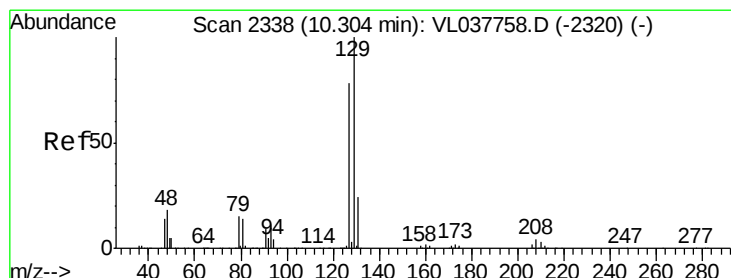
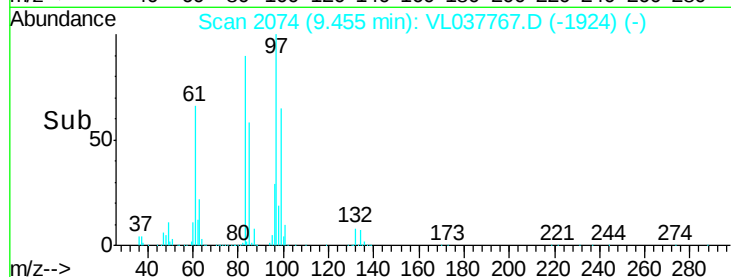
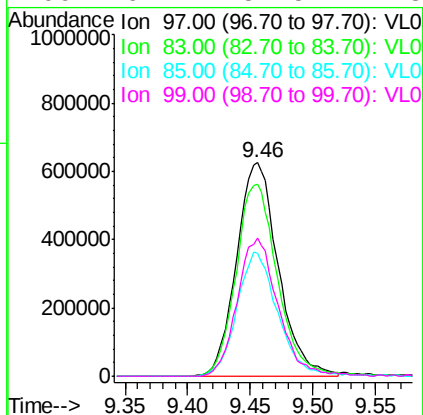
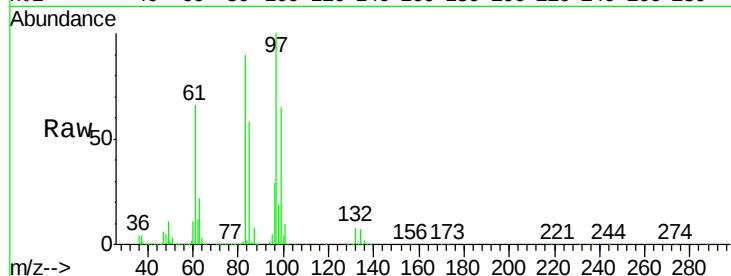


#47
 1,1,2-Trichloroethane
 Concen: 9.742 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1441290

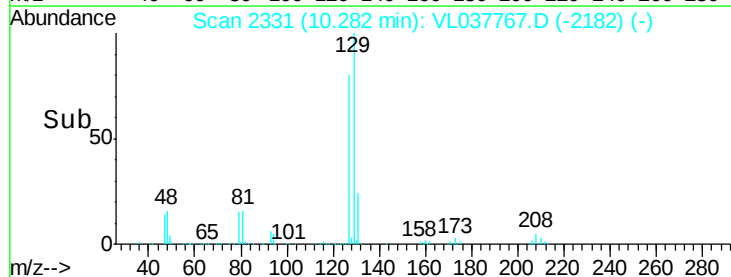
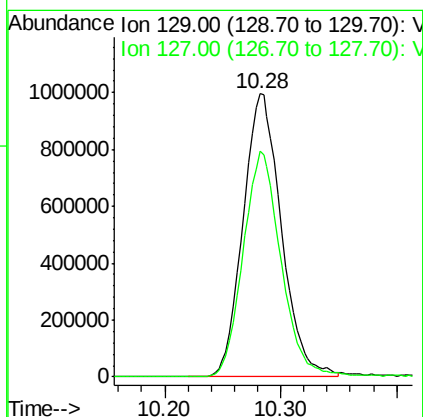
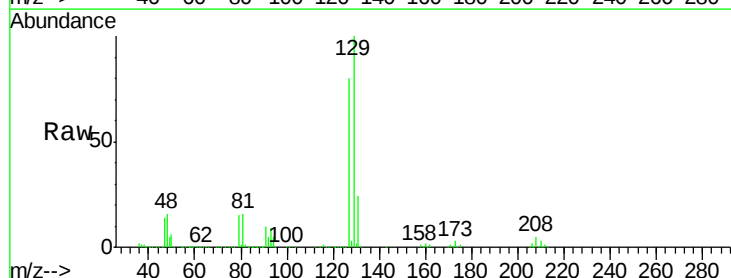
Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.6	105.8
85	57.6	45.9	68.9
99	64.7	51.5	77.3

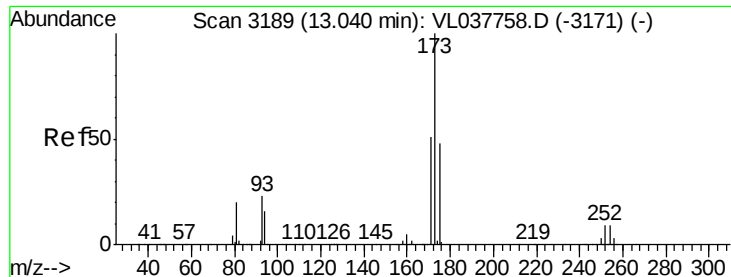


#48
 Dibromochloromethane
 Concen: 10.853 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

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

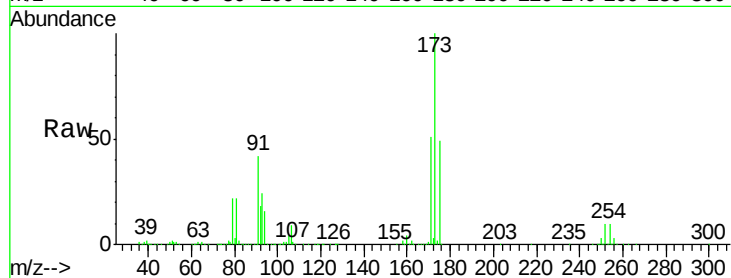
Tgt Ion:173 Resp: 1913278

Ion Ratio Lower Upper

173 100

175 51.8 39.9 59.9

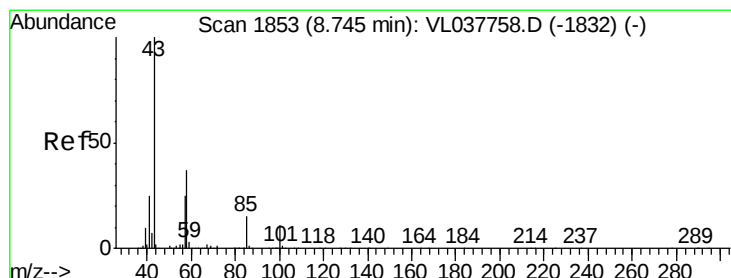
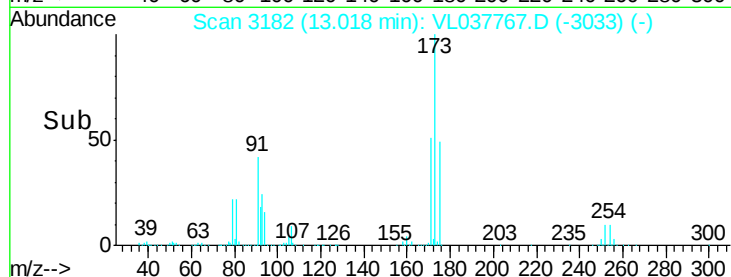
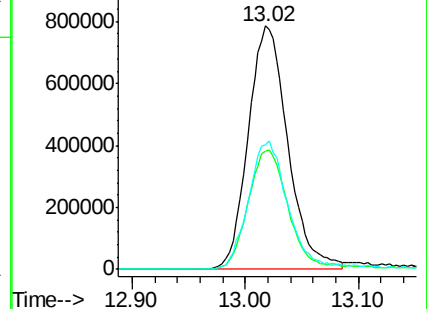
171 54.8 43.4 65.2



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

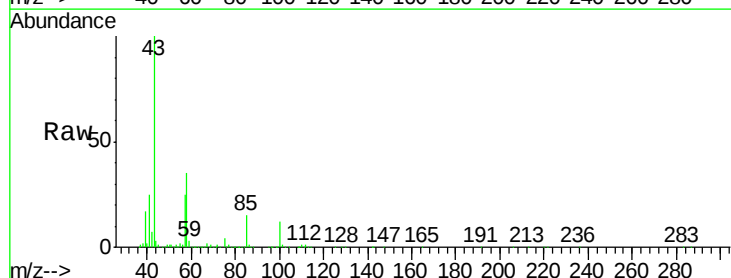
Acq: 5 Oct 2021 9:22

Tgt Ion: 43 Resp: 2359451

Ion Ratio Lower Upper

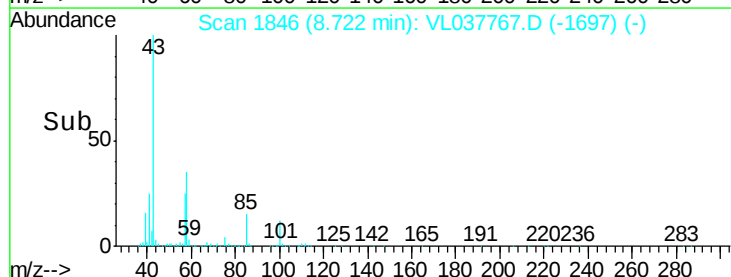
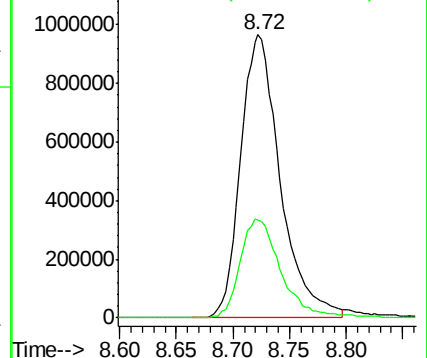
43 100

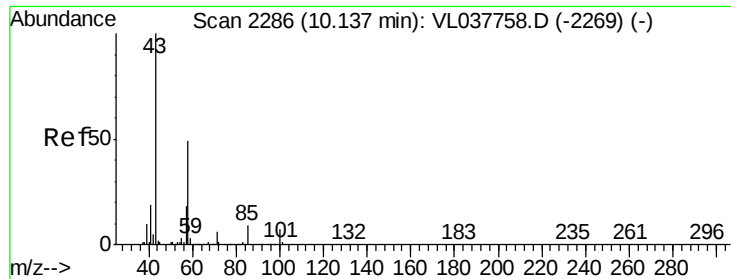
58 36.2 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

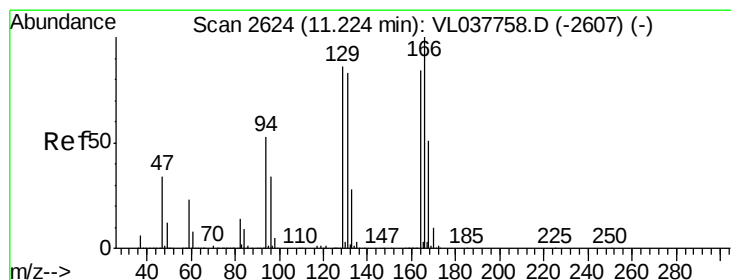
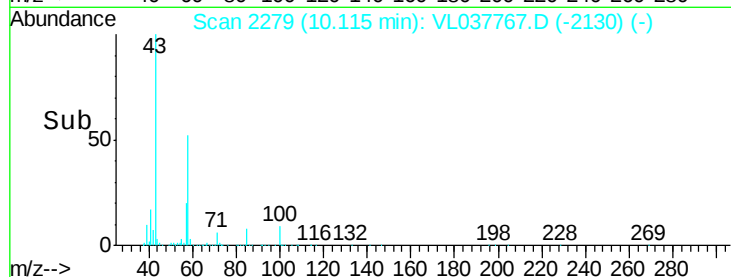
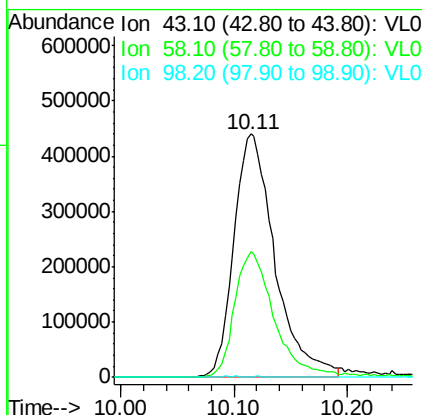
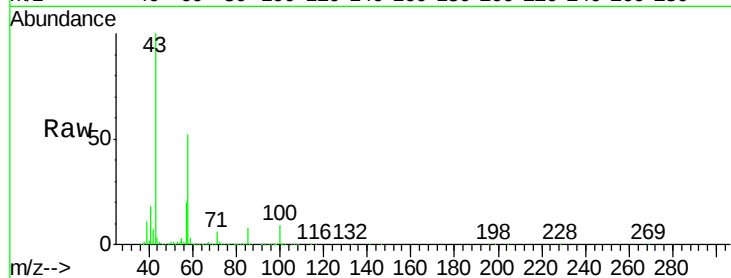




#51
2-Hexanone
Concen: 11.158 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

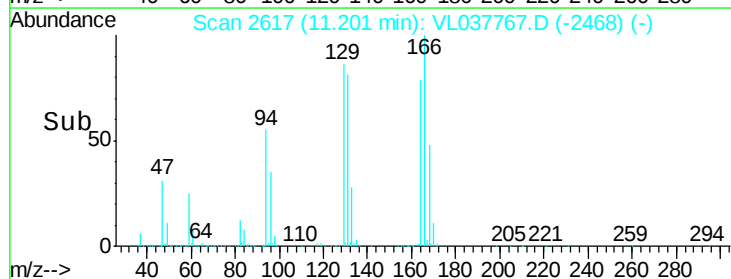
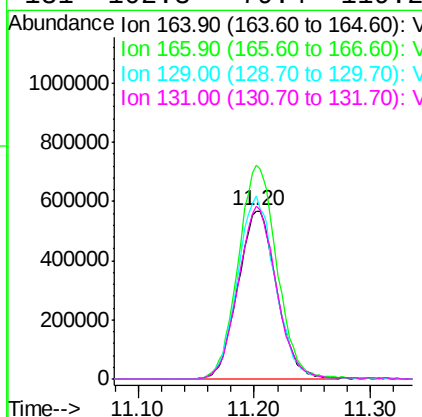
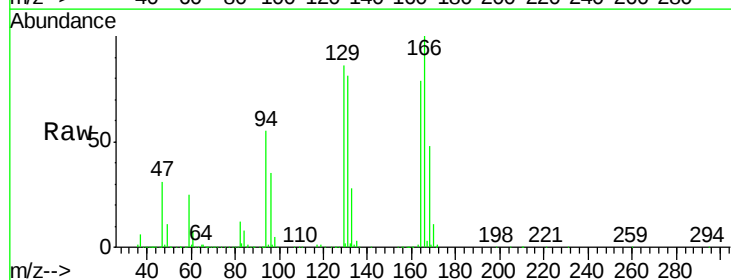
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

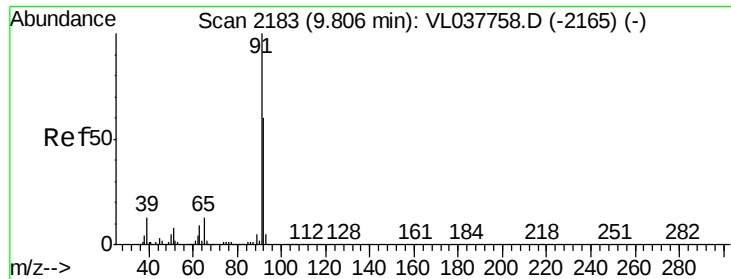
Tgt Ion: 43 Resp: 1108974
Ion Ratio Lower Upper
43 100
58 51.1 39.4 59.0
98 0.3 0.3 0.5#



#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 :

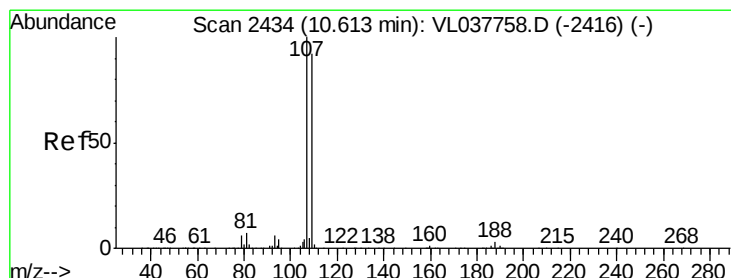
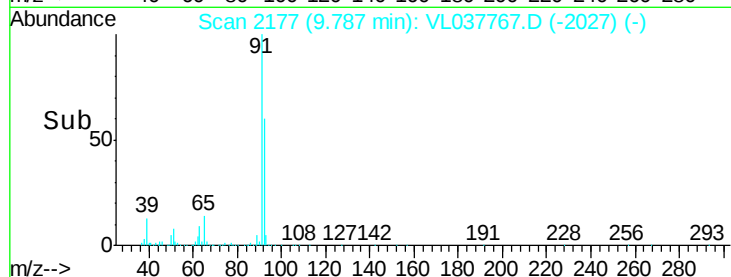
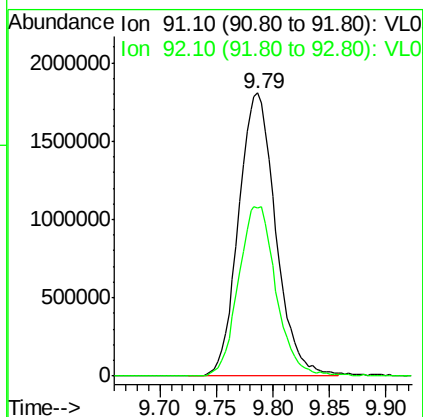
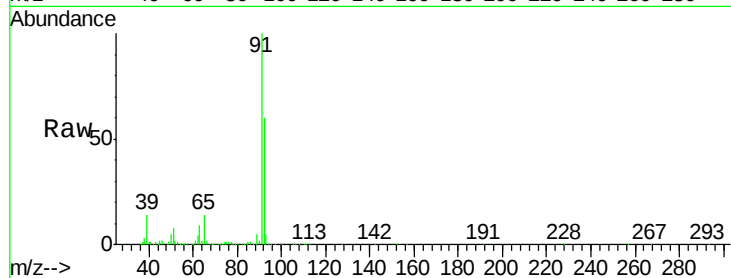
VSTDCCC010

Tgt Ion: 91 Resp: 4130594

Ion Ratio Lower Upper

91 100

92 61.0 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.124 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.03 min

Lab File: VL037767.D

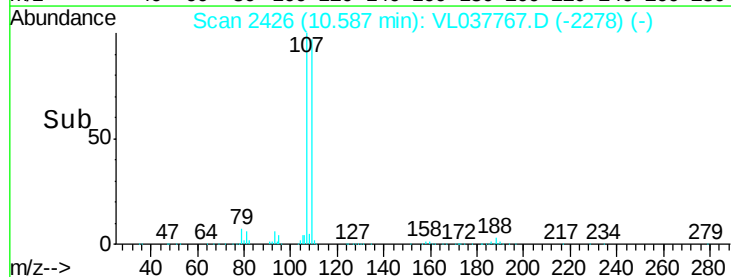
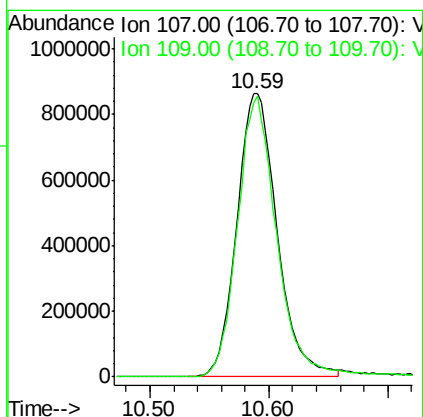
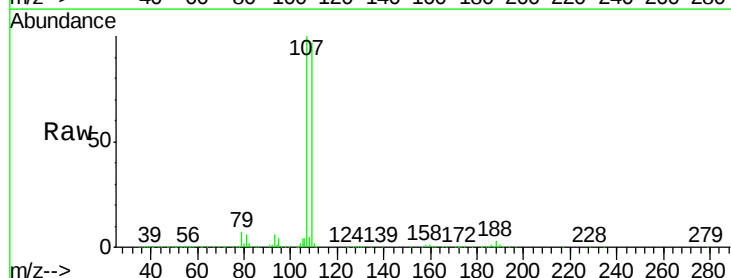
Acq: 5 Oct 2021 9:22

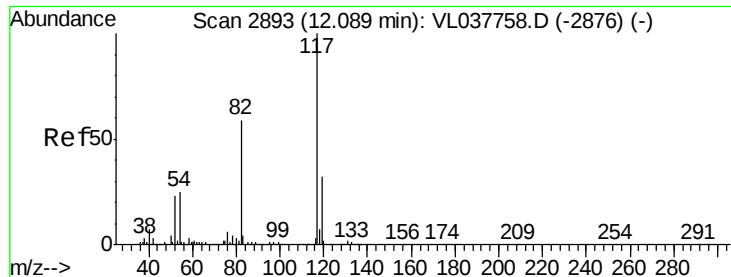
Tgt Ion: 107 Resp: 2023242

Ion Ratio Lower Upper

107 100

109 96.7 73.8 110.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

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

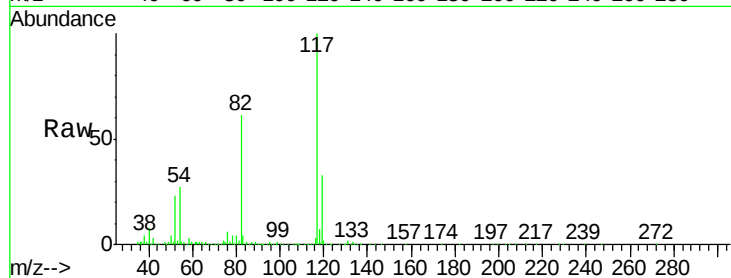
Tgt Ion:117 Resp: 4767299

Ion Ratio Lower Upper

117 100

82 50.1 52.2 78.2#

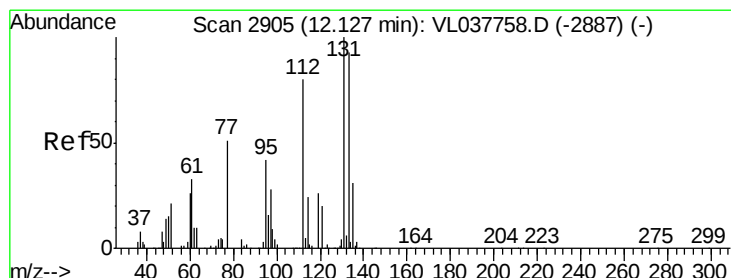
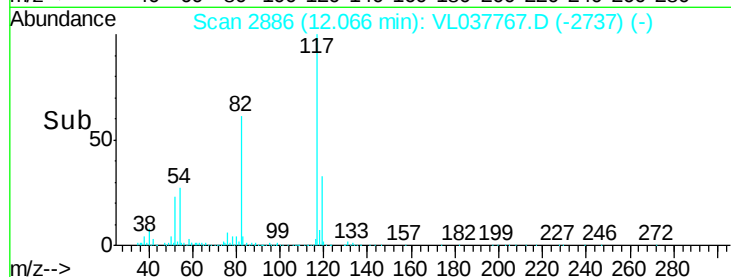
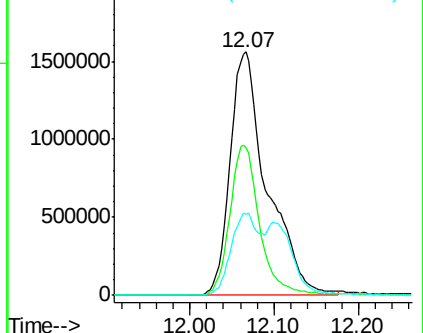
119 47.8 26.0 39.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.016 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

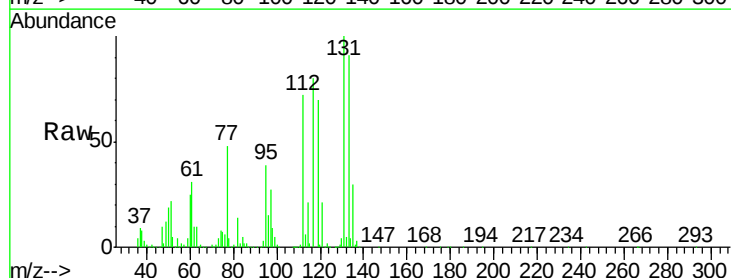
Tgt Ion:131 Resp: 1581914

Ion Ratio Lower Upper

131 100

133 97.7 78.5 117.7

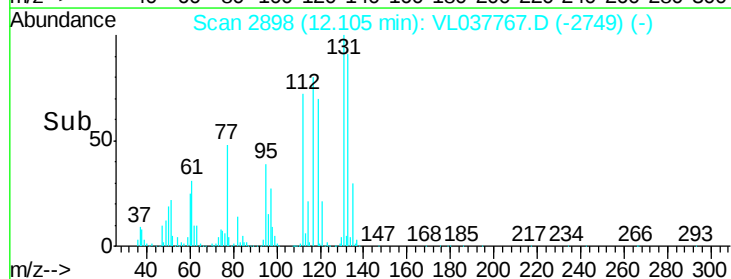
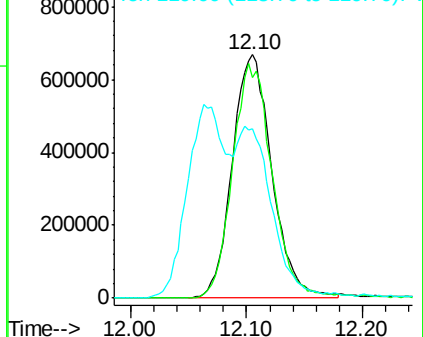
119 60.9 51.7 77.5

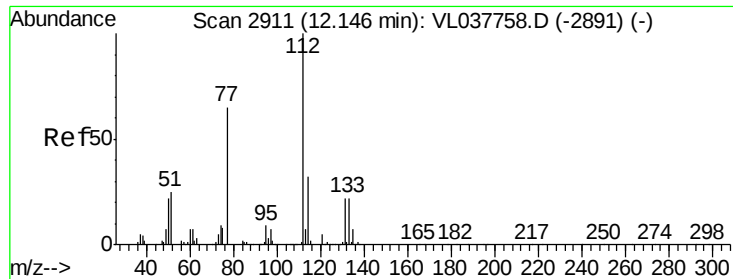


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.703 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

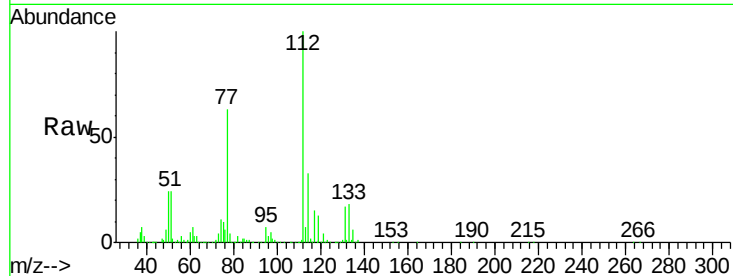
Tgt Ion: 112 Resp: 3012336

Ion Ratio Lower Upper

112 100

77 62.4 51.8 77.8

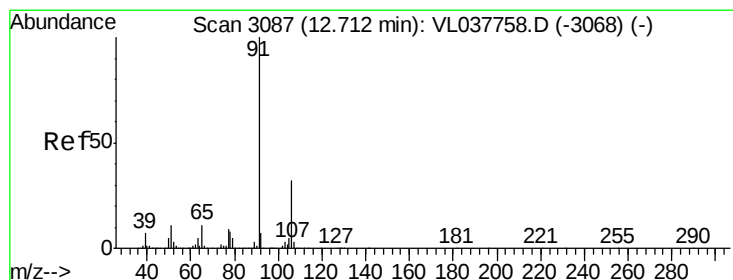
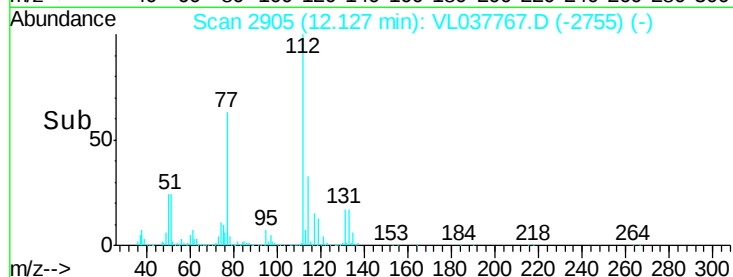
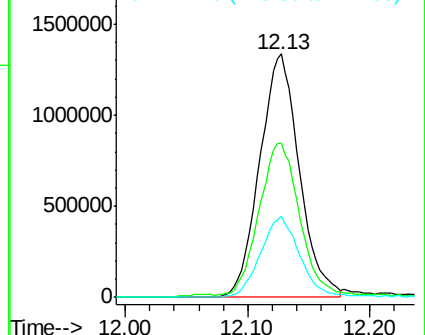
114 33.0 28.8 35.2



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: 8.296 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.02 min

Lab File: VL037767.D

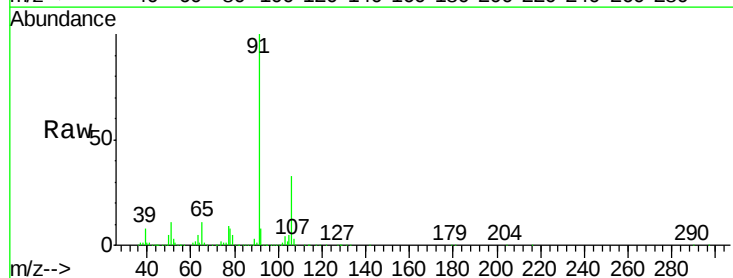
Acq: 5 Oct 2021 9:22

Tgt Ion: 91 Resp: 5310725

Ion Ratio Lower Upper

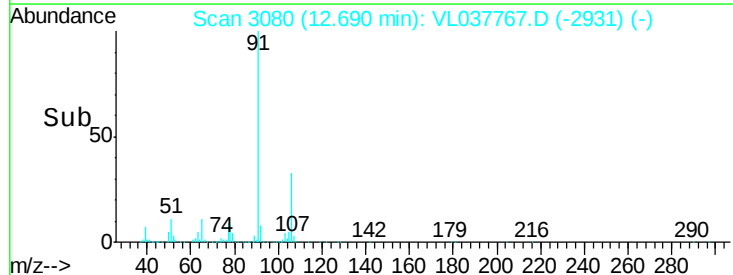
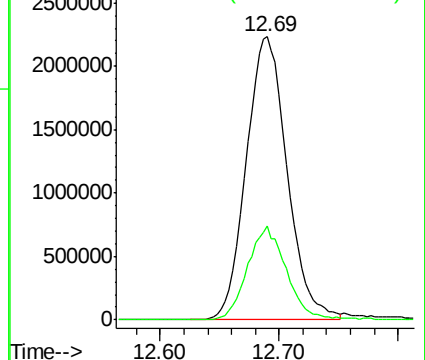
91 100

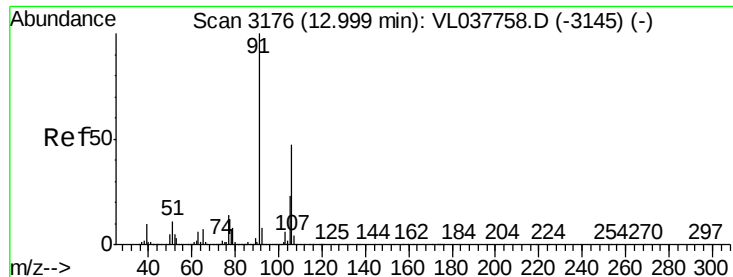
106 33.4 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

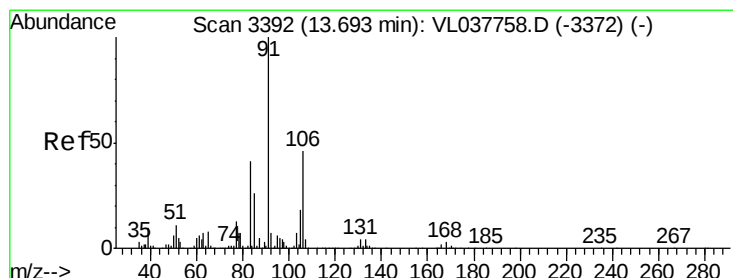
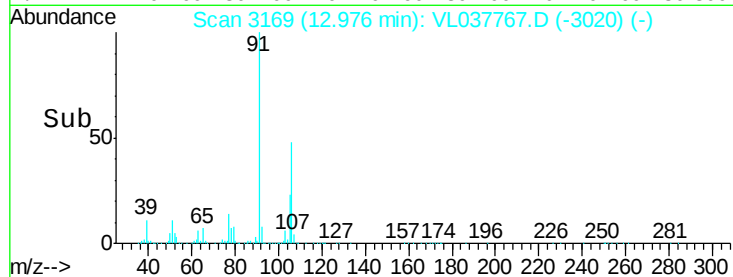
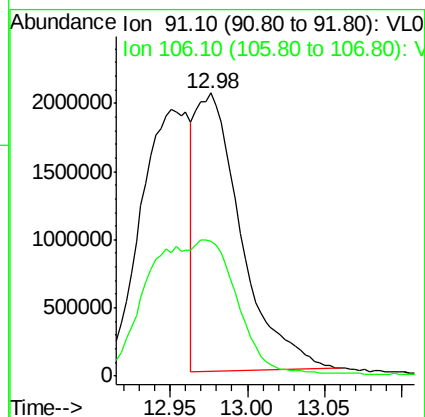
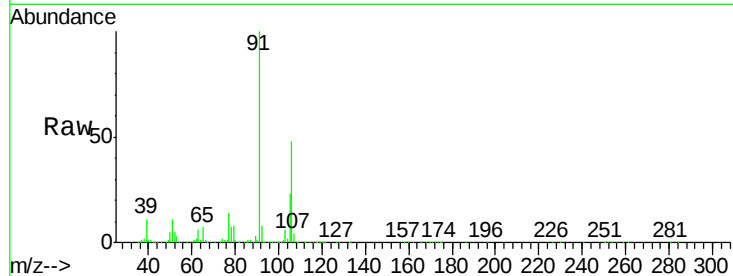




#59
m/p-Xylene
Concen: 7.636 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

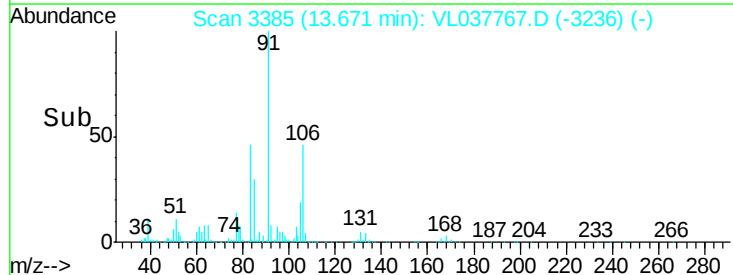
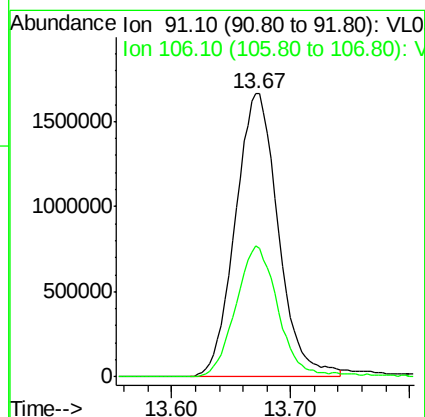
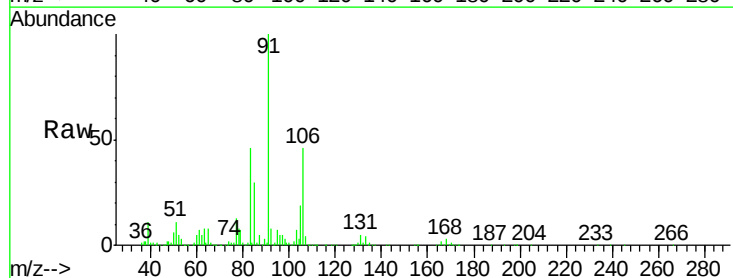
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

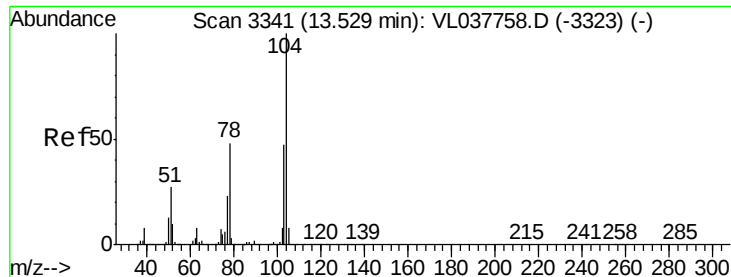
Tgt Ion: 91 Resp: 4196124
Ion Ratio Lower Upper
91 100
106 97.9 36.7 55.1#



#60
o-Xylene
Concen: 7.855 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: 9.277 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

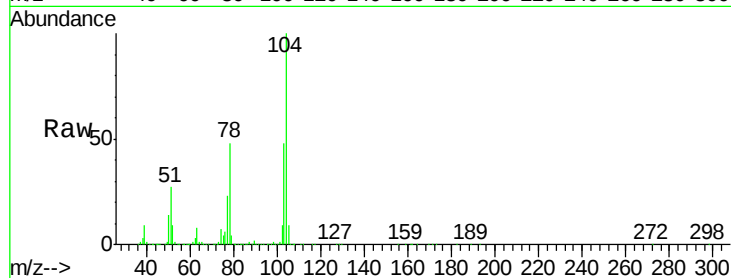
Tgt Ion:104 Resp: 2363125

Ion Ratio Lower Upper

104 100

78 49.9 40.6 61.0

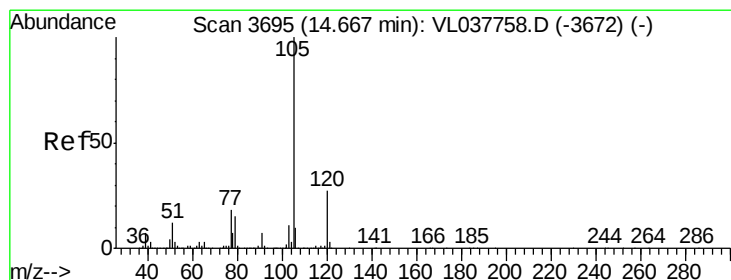
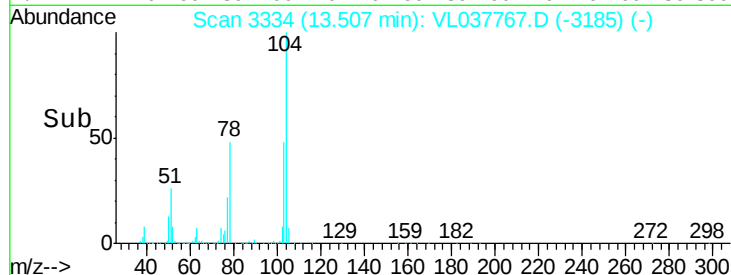
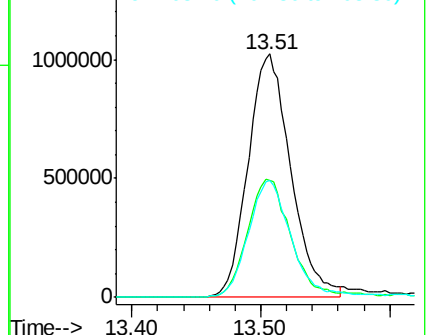
103 49.4 39.6 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.960 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.02 min

Lab File: VL037767.D

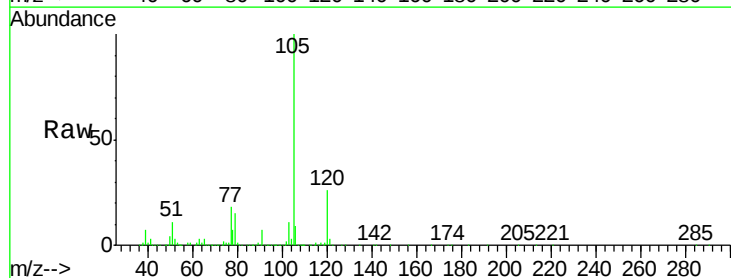
Acq: 5 Oct 2021 9:22

Tgt Ion:105 Resp: 5846559

Ion Ratio Lower Upper

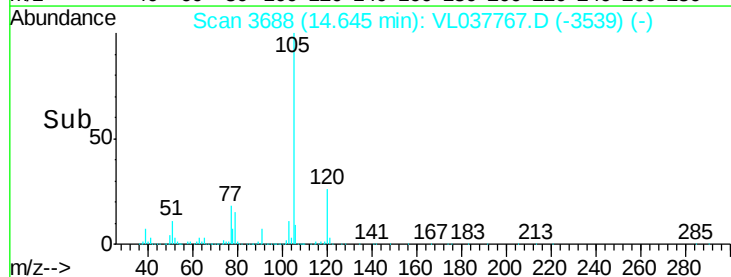
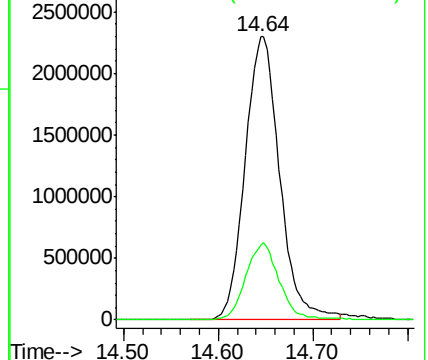
105 100

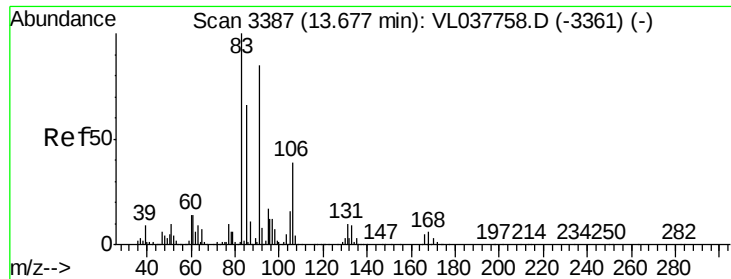
120 26.7 21.3 31.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

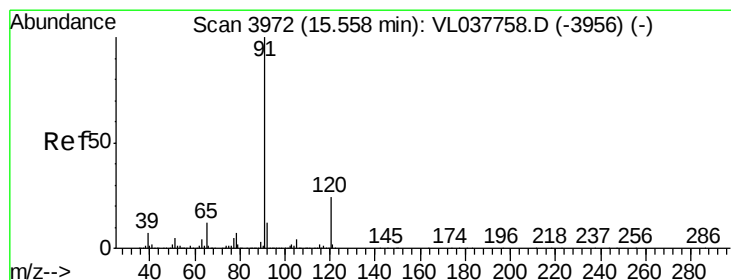
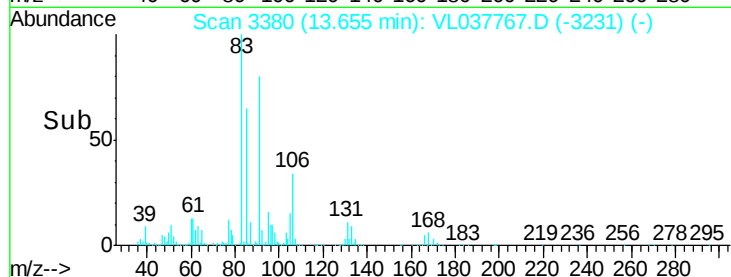
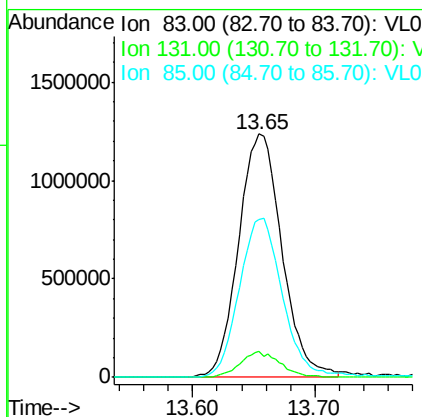
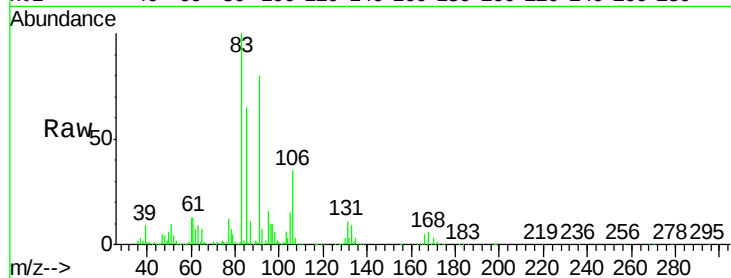




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.440 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

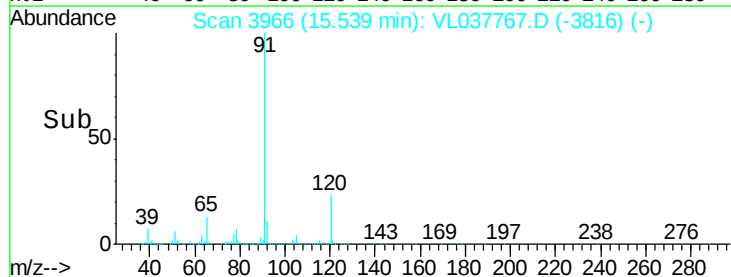
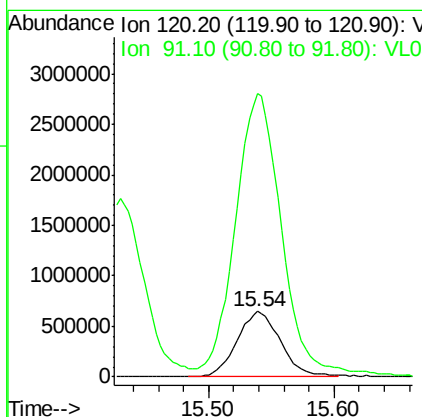
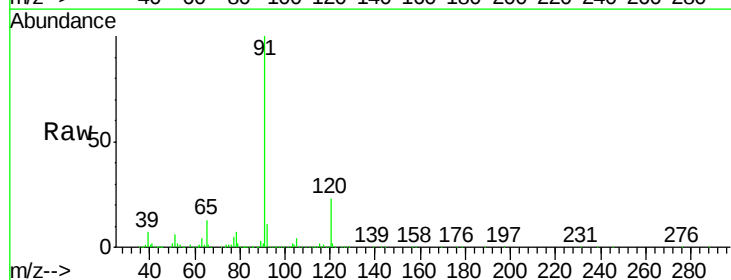
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

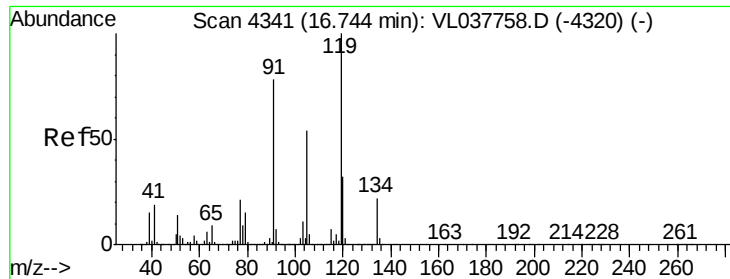
Tgt Ion: 83 Resp: 3023456
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.0 15.0
 85 66.9 33.1 99.5



#64
 n-propylbenzene
 Concen: 8.519 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

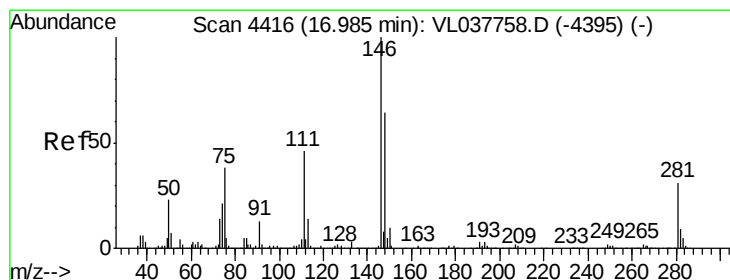
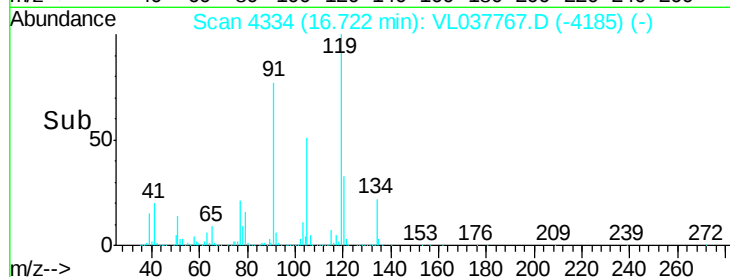
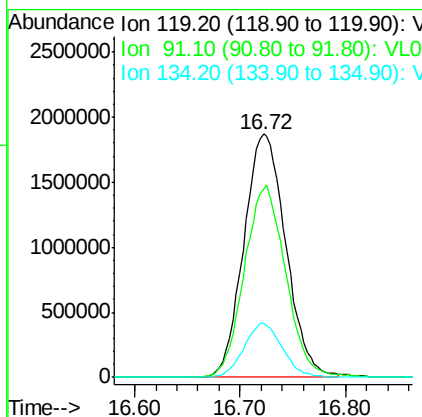
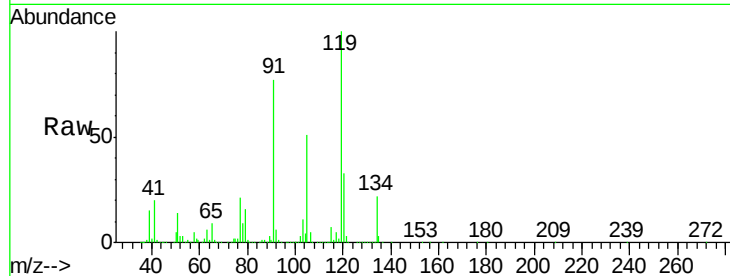




#65
tert-Butylbenzene
Concen: 8.002 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

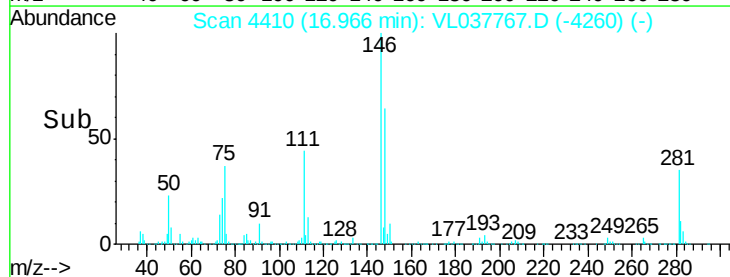
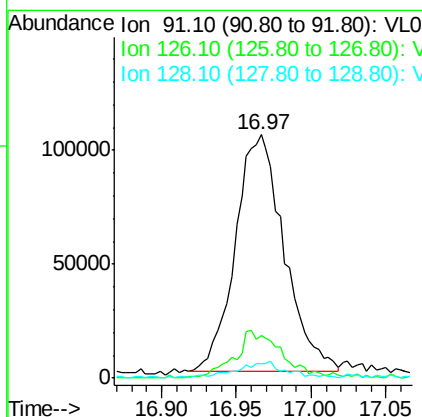
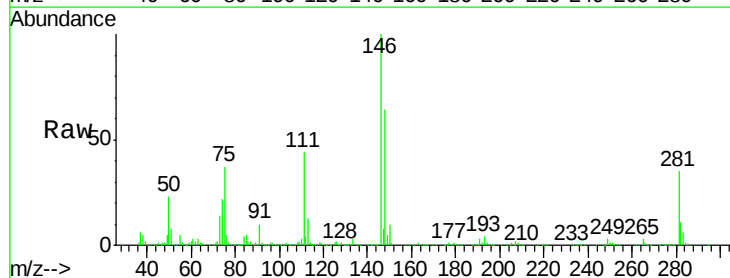
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

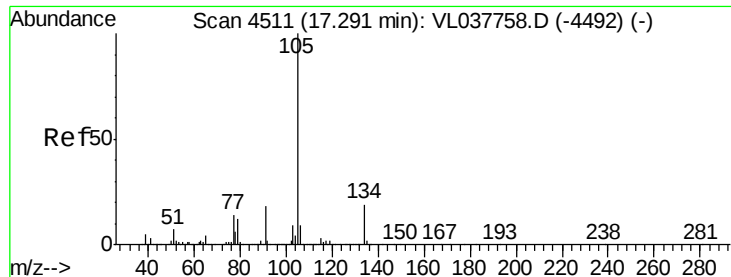
Tgt Ion: 119 Resp: 5172520
Ion Ratio Lower Upper
119 100
91 77.9 62.6 94.0
134 20.4 16.3 24.5



#66
Benzyl Chloride
Concen: 7.415 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

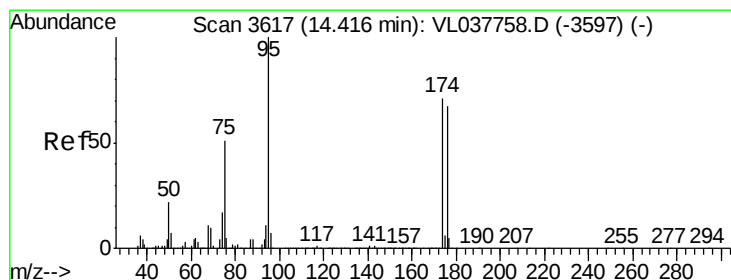
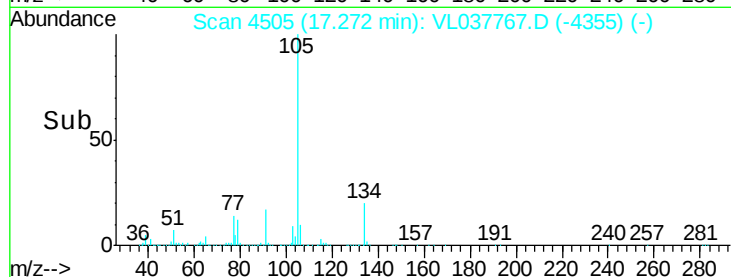
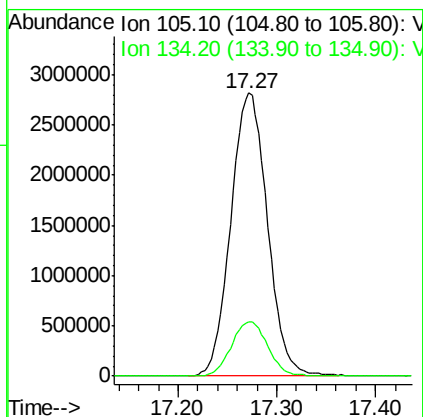
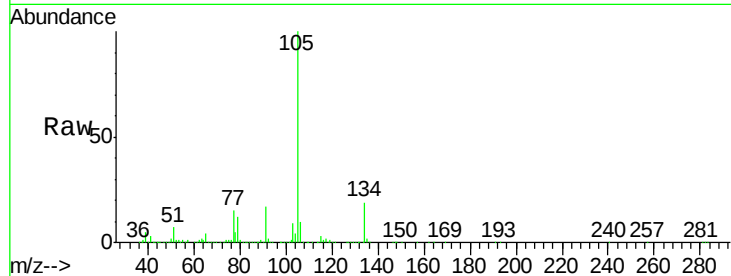




#67
 sec-Butylbenzene
 Concen: 8.227 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.02 min
 Lab File: VL037767.D
 Acq: 5 Oct 2021 9:22

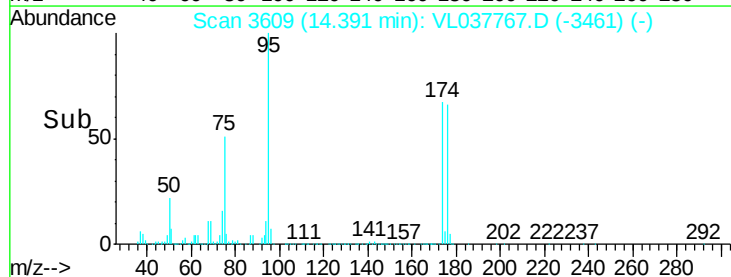
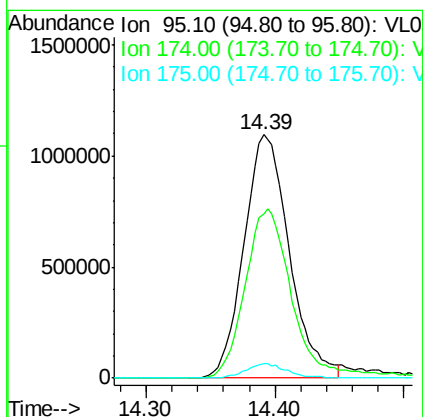
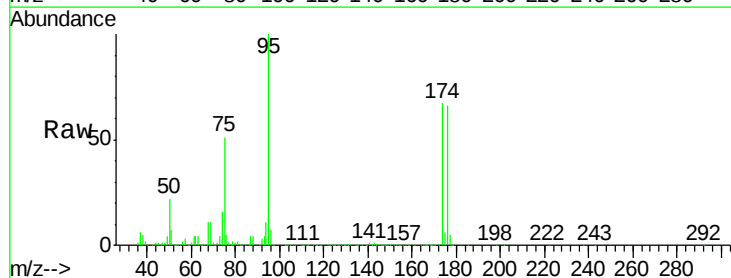
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

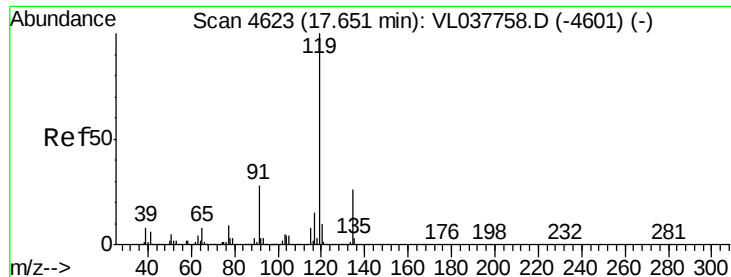
Tgt Ion: 105 Resp: 7273183
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.053 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

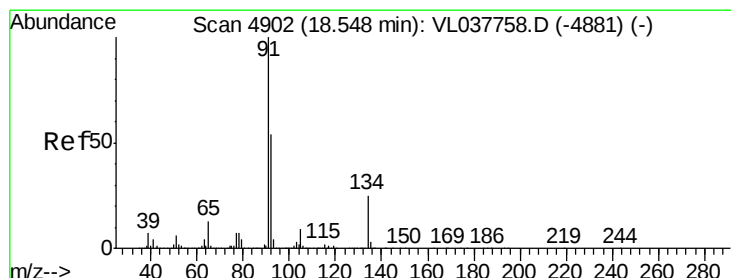
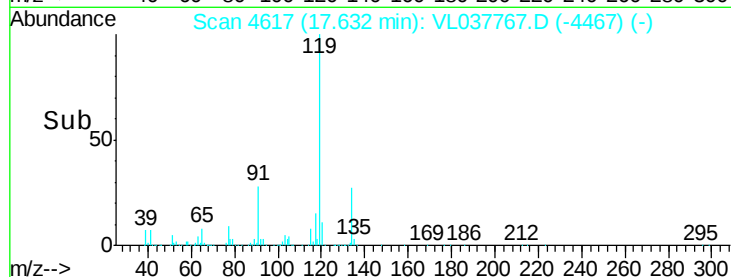
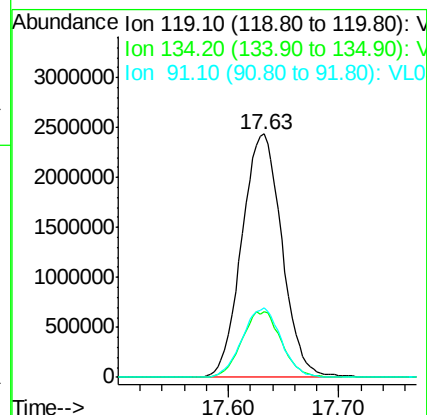
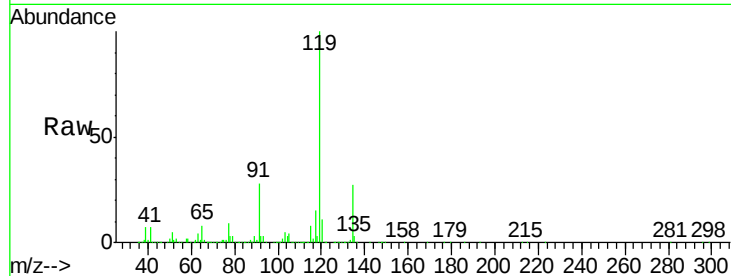




#69
p-Isopropyltoluene
Concen: 8.554 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. -0.02 min
Lab File: VL037767.D
Acq: 5 Oct 2021 9:22

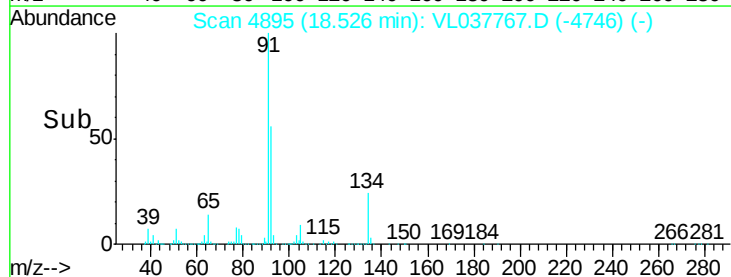
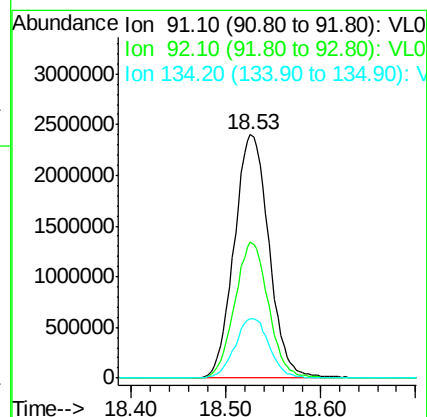
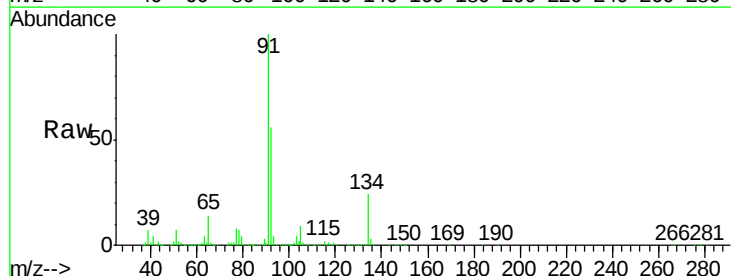
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

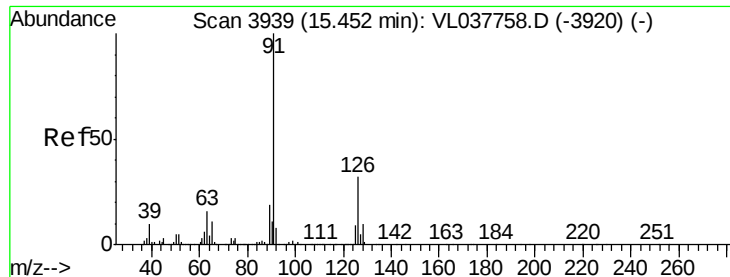
Tgt Ion: 119 Resp: 6113359
Ion Ratio Lower Upper
119 100
134 26.8 21.2 31.8
91 27.7 22.2 33.4



#70
n-Butylbenzene
Concen: 9.012 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: 8.452 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

Instrument :

MSVOA_L

ClientSampleId :

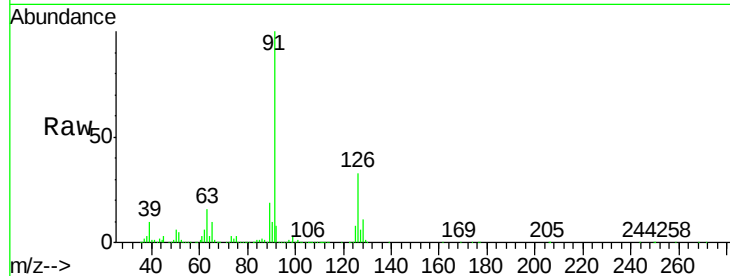
VSTDCCC010

Tgt Ion: 91 Resp: 4384023

Ion Ratio Lower Upper

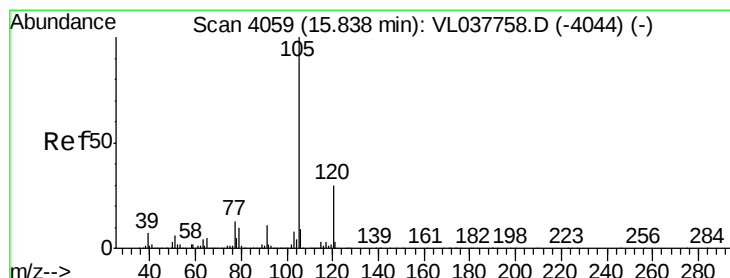
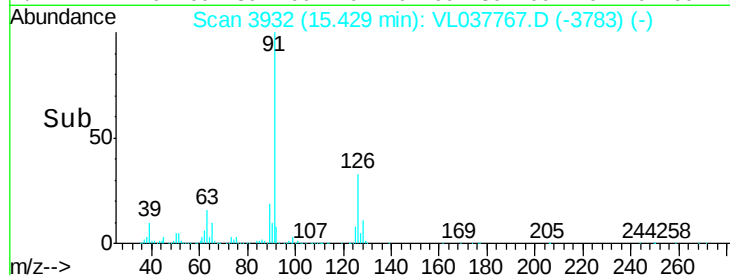
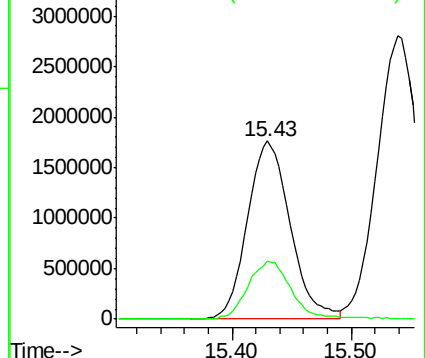
91 100

126 33.6 13.6 54.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.361 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

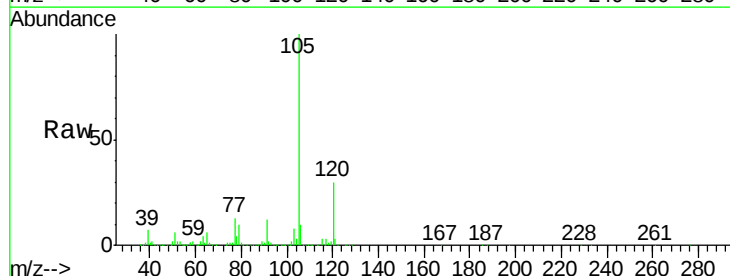
Ion Ratio Lower Upper

105 100

120 31.6 24.2 36.2

91 12.4 10.4 15.6

77 13.4 10.3 15.5

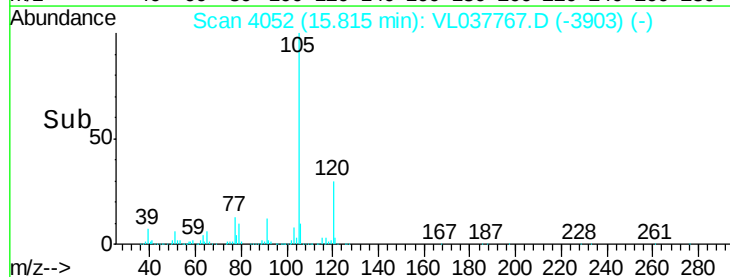
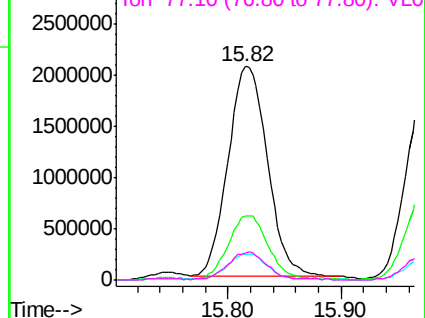


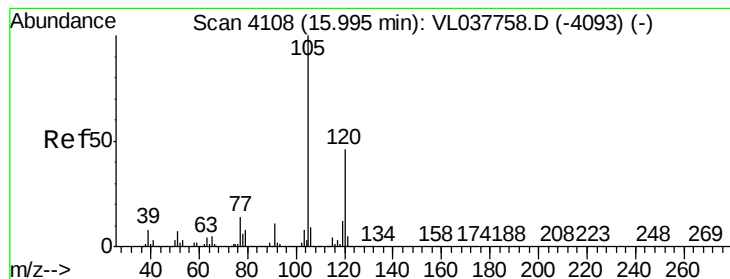
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.555 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 :

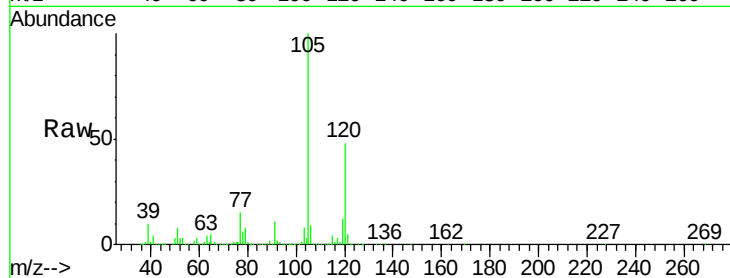
VSTDCCC010

Tgt Ion:105 Resp: 4646694

Ion Ratio Lower Upper

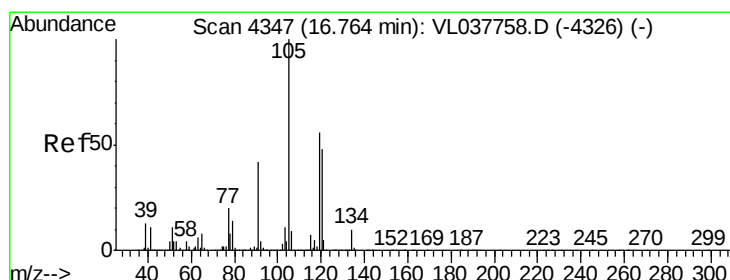
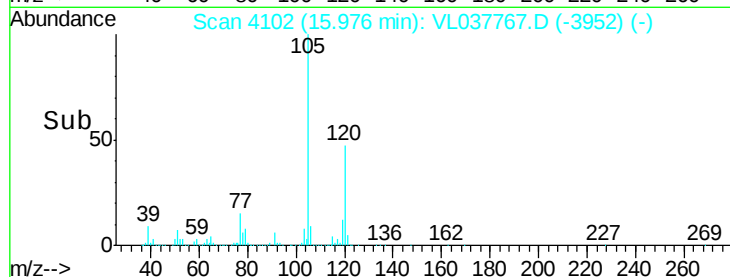
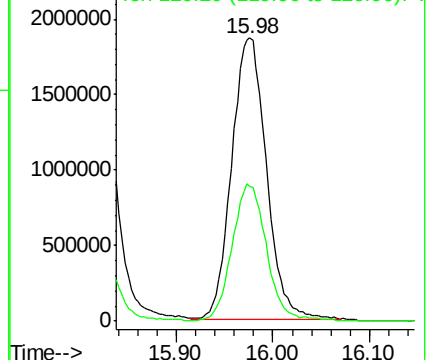
105 100

120 47.8 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.461 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

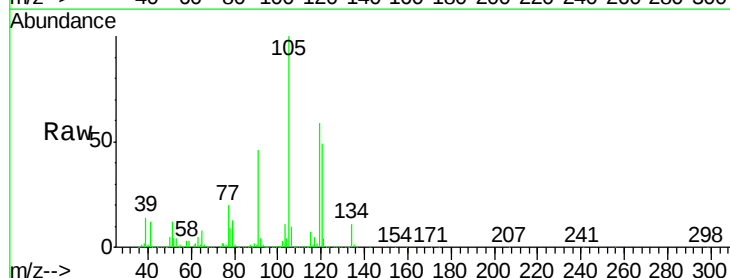
Ion Ratio Lower Upper

105 100

120 49.2 38.4 57.6

91 46.1 34.2 51.2

77 20.3 15.8 23.8

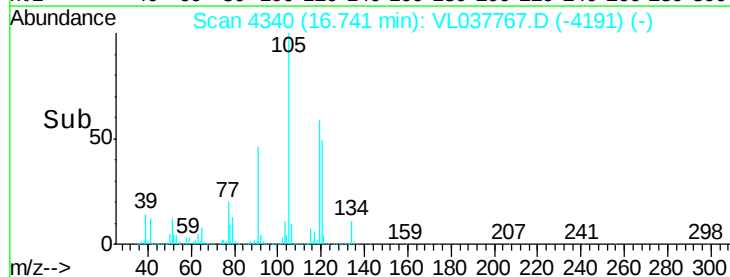
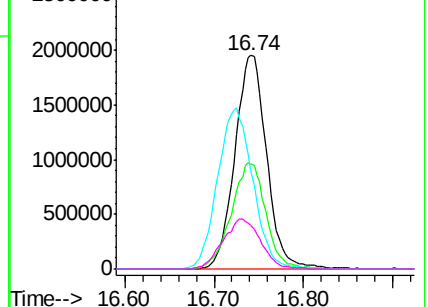


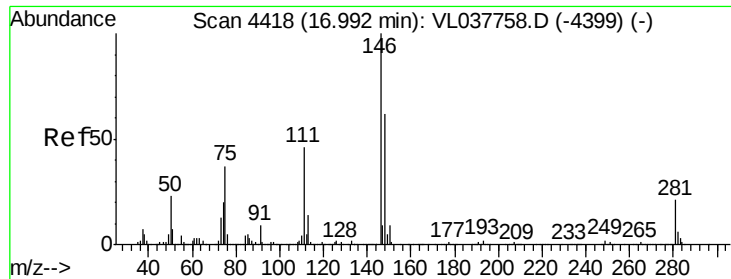
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 8.371 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

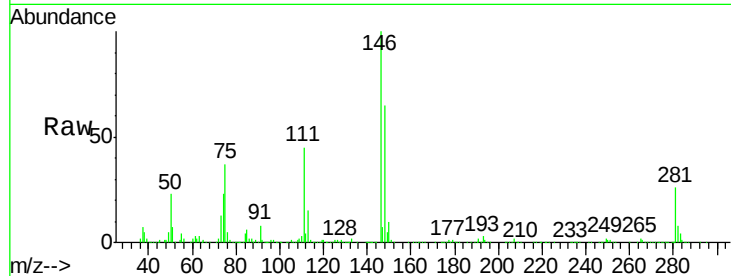
Tgt Ion:146 Resp: 2958104

Ion Ratio Lower Upper

146 100

111 45.1 22.8 68.4

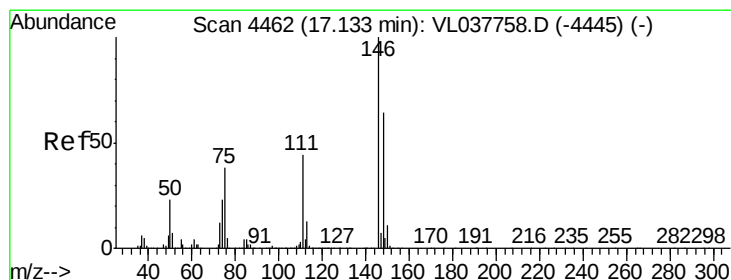
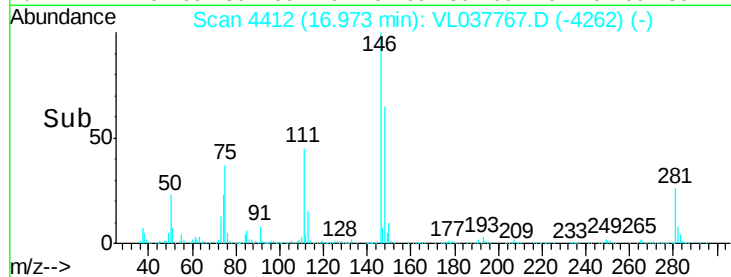
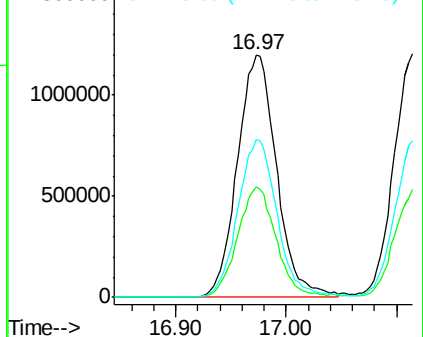
148 65.2 32.8 98.3



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



#76

1,4-Dichlorobenzene

Concen: 8.662 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

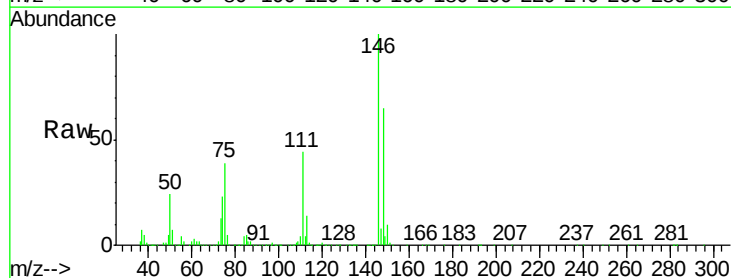
Tgt Ion:146 Resp: 2919899

Ion Ratio Lower Upper

146 100

111 44.4 22.4 67.3

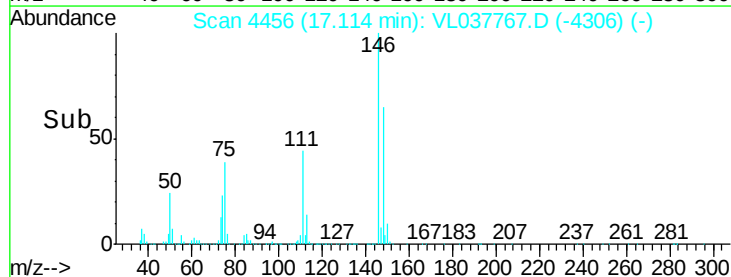
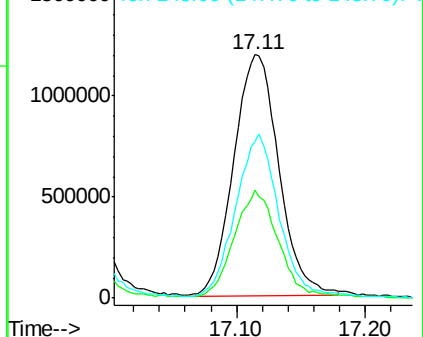
148 66.3 33.3 99.9

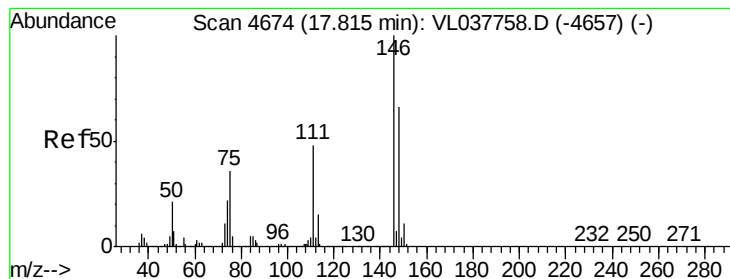


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.423 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

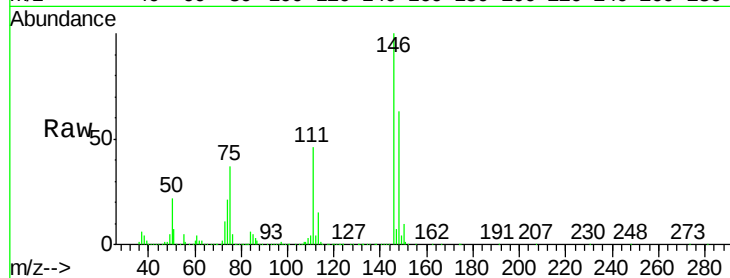
Tgt Ion:146 Resp: 2859378

Ion Ratio Lower Upper

146 100

111 47.2 23.6 70.8

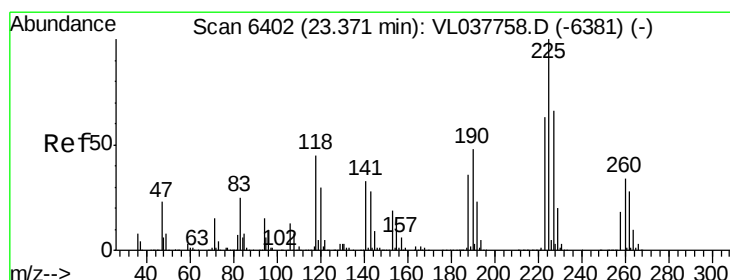
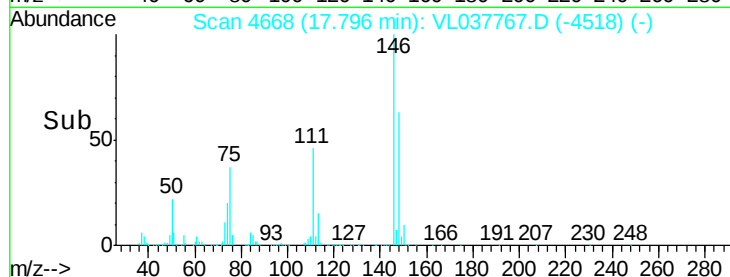
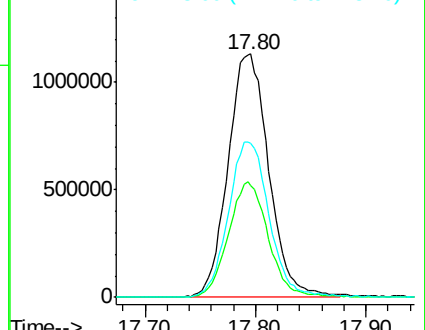
148 65.0 32.9 98.6



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: 7.703 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. -0.02 min

Lab File: VL037767.D

Acq: 5 Oct 2021 9:22

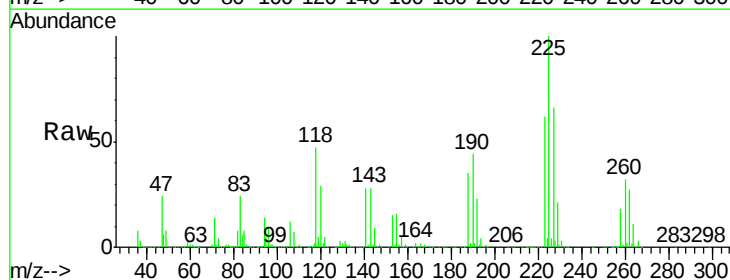
Tgt Ion:225 Resp: 2135127

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

