

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037796.D
 Acq On : 7 Oct 2021 13:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 08 10:05:04 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	1266669	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3782382	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	4327703	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2498943	8.26	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	1913108	9.456	ppbv	100
3) Chlorodifluoromethane	2.98	51	2425005	9.964	ppbv	99
4) Chloromethane	3.13	50	907557	10.181	ppbv	100
5) Vinyl Chloride	3.24	62	902818	11.048	ppbv	99
6) Bromomethane	3.46	94	399490	9.038	ppbv	98
7) Chloroethane	3.54	64	320304	10.660	ppbv	90
8) Dichlorotetrafluoroethane	3.18	85	2010675	10.055	ppbv	99
9) Propene	3.00	41	873550	9.755	ppbv	99
10) Heptane	8.10	43	2197679	10.806	ppbv	99
11) Trichlorofluoromethane	3.93	101	1832506	10.152	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1360934	9.950	ppbv	99
13) Ethanol	3.60	45	24652	3.366	ppbv #	1
14) Bromoethene	3.73	108	633788	10.539	ppbv	94
15) Acetone	3.84	43	1158512	10.188	ppbv	100
16) 1,3-Butadiene	3.31	39	872320	10.544	ppbv	100
17) tert-Butyl alcohol	4.27	59	1259830	10.758	ppbv	100
18) 1,1-Dichloroethene	4.27	96	617150	9.929	ppbv	98
19) Isopropyl Alcohol	3.94	45	776177	10.972	ppbv #	99
20) Methylene Chloride	4.33	84	523416	9.110	ppbv	95
21) Allyl Chloride	4.39	41	1009044	10.017	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	649072	10.387	ppbv	94
23) Vinyl Acetate	5.05	43	1627643	9.552	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1307155	10.538	ppbv	99
25) Ethyl Acetate	5.66	43	3392350	10.632	ppbv	99
26) Hexane	5.67	57	1585920	10.094	ppbv	96
27) Carbon Disulfide	4.53	76	1574723	11.309	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1358391	10.384	ppbv	98
29) Chloroform	5.73	83	2288442	10.190	ppbv	99
30) Cyclohexane	7.11	84	1368854	10.274	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1476742	10.353	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2229446	10.471	ppbv	99
34) 2-Butanone	5.22	43	1515830	9.927	ppbv	99
35) Carbon Tetrachloride	7.00	117	2292626	10.673	ppbv	98
36) Benzene	6.87	78	3336293	10.327	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1620530	10.653	ppbv	100
38) Trichloroethene	7.81	130	1325706	10.387	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1288952	10.607	ppbv	97
40) 1,4-Dioxane	7.81	88	318777	10.483	ppbv #	100
41) Tetrahydrofuran	6.03	42	773009	10.338	ppbv	98
42) Bromodichloromethane	7.77	83	2474423	11.074	ppbv	99
43) Methyl Methacrylate	7.99	69	1211335	11.479	ppbv	99

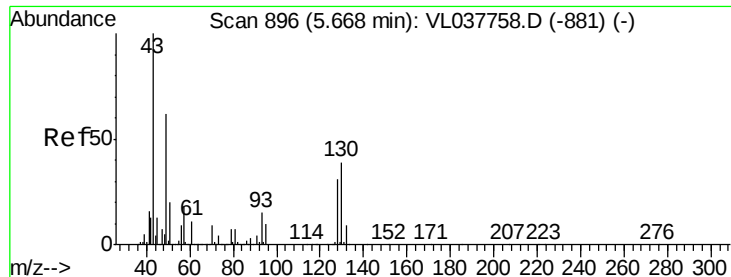
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
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 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5598532	10.314	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	808440	11.135	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1096311	10.894	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1368451	10.359	ppbv	98
48) Dibromochloromethane	10.28	129	2131069	11.316	ppbv	98
49) Bromoform	13.02	173	1820508	12.634	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2225779	11.197	ppbv	100
51) 2-Hexanone	10.11	43	1052819	11.864	ppbv #	99
52) Tetrachloroethene	11.20	164	1232965	9.809	ppbv	95
53) Toluene	9.79	91	3974187	11.100	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1917564	10.746	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1510717	8.433	ppbv	99
57) Chlorobenzene	12.12	112	2875003	8.098	ppbv	99
58) Ethyl Benzene	12.69	91	5121676	8.813	ppbv	100
59) m/p-Xylene	12.97	91	4613605	9.249	ppbv #	41
60) o-Xylene	13.67	91	3942928	8.248	ppbv	99
61) Styrene	13.50	104	2248070	9.722	ppbv	99
62) Isopropylbenzene	14.64	105	5629915	8.443	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2917646	7.909	ppbv	100
64) n-propylbenzene	15.54	120	1512072	9.094	ppbv	96
65) tert-Butylbenzene	16.72	119	4986905	8.499	ppbv	100
66) Benzyl Chloride	16.96	91	258355	8.921	ppbv #	99
67) sec-Butylbenzene	17.27	105	6996679	8.718	ppbv	100
69) p-Isopropyltoluene	17.63	119	5907567	9.105	ppbv	100
70) n-Butylbenzene	18.52	91	5860617	9.508	ppbv	100
71) 2-Chlorotoluene	15.43	91	4230679	8.985	ppbv	99
72) 4-Ethyltoluene	15.81	105	5074232	9.348	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4497108	9.121	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	4575030	8.836	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2820081	8.791	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2771074	9.055	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2767099	8.980	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2035036	8.088	ppbv	99
79) Naphthalene	22.16	128	3418791	10.781	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	910286	10.691	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2053934	10.127	ppbv	100

(#) = 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

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VSTDCCC010

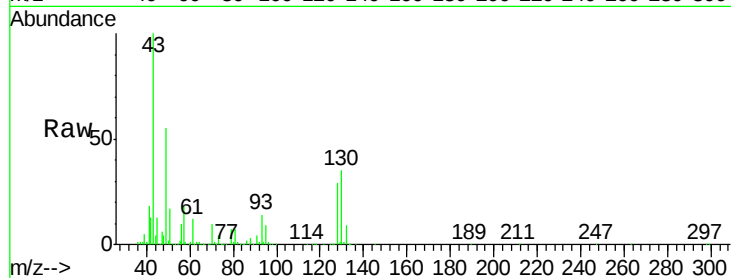
Tgt Ion: 49 Resp: 1266669

Ion Ratio Lower Upper

49 100

128 55.5 27.1 81.3

130 66.6 33.2 99.6



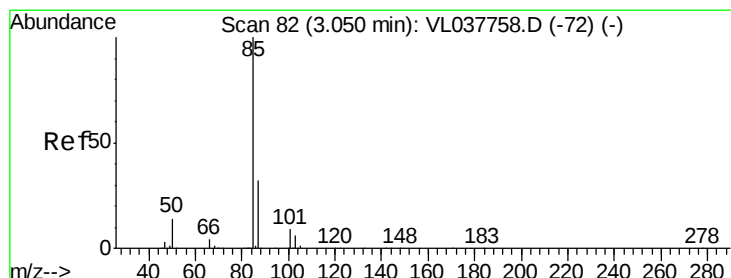
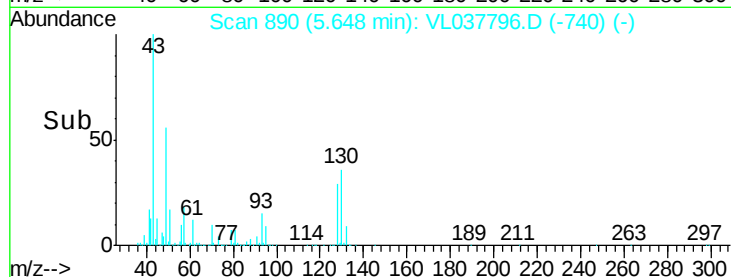
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 9.456 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037796.D

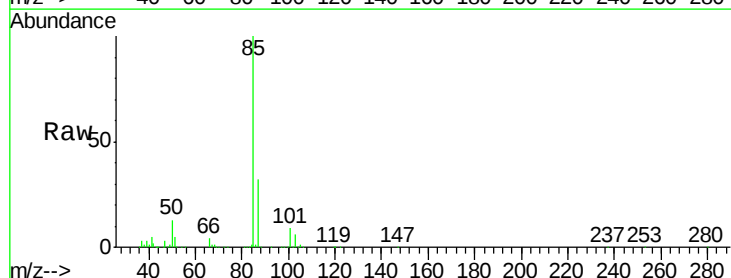
Acq: 7 Oct 2021 13:47

Tgt Ion: 85 Resp: 1913108

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5

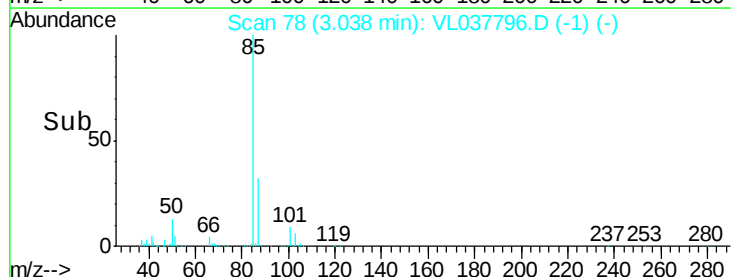


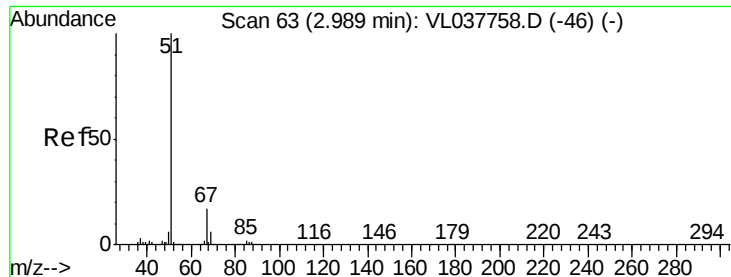
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 9.964 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

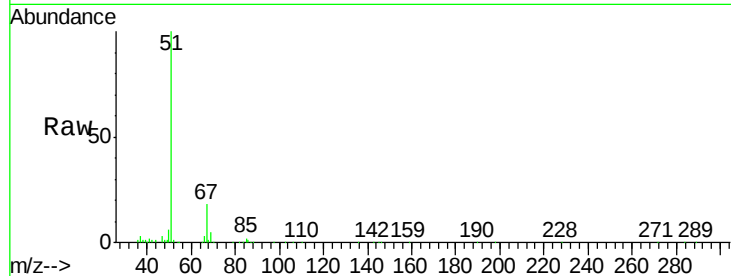
VSTDCCC010

Tgt Ion: 51 Resp: 2425005

Ion Ratio Lower Upper

51 100

67 17.1 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

1500000

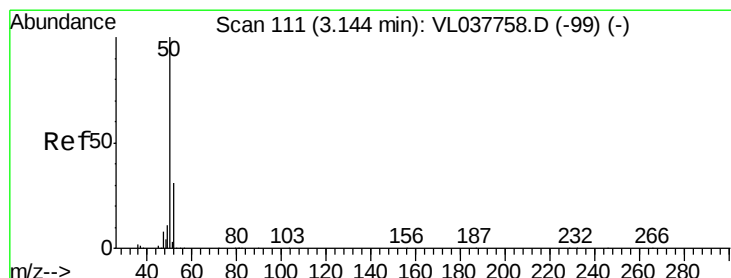
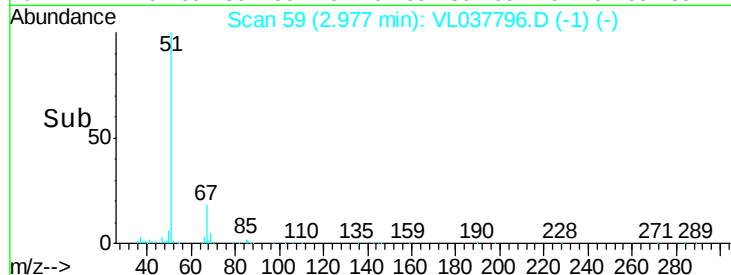
1000000

500000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 10.181 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037796.D

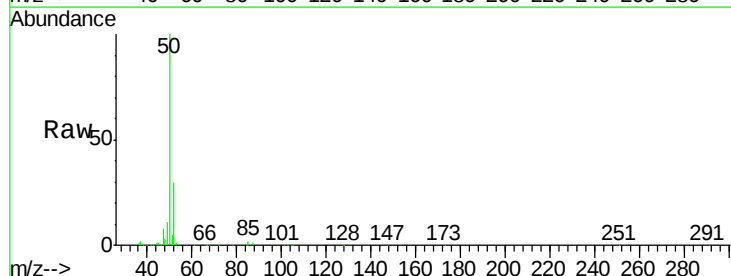
Acq: 7 Oct 2021 13:47

Tgt Ion: 50 Resp: 907557

Ion Ratio Lower Upper

50 100

52 30.3 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

300000

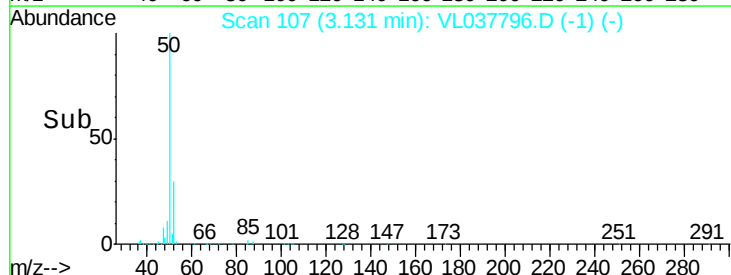
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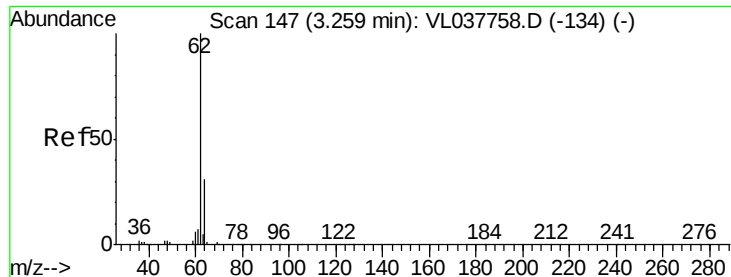
100000

0

Time-->

3.10 3.15





#5

Vinyl Chloride

Concen: 11.048 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

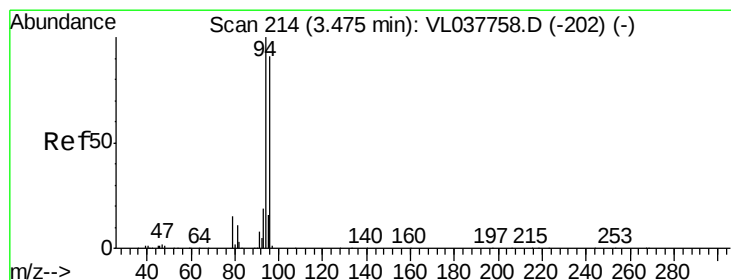
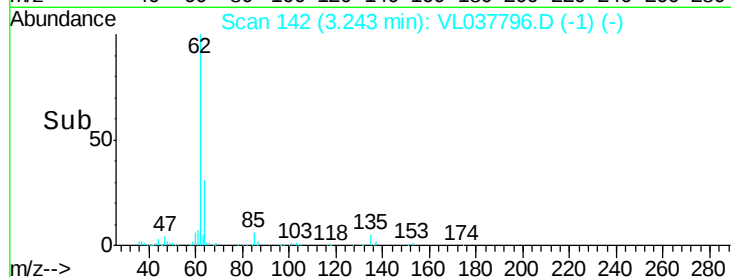
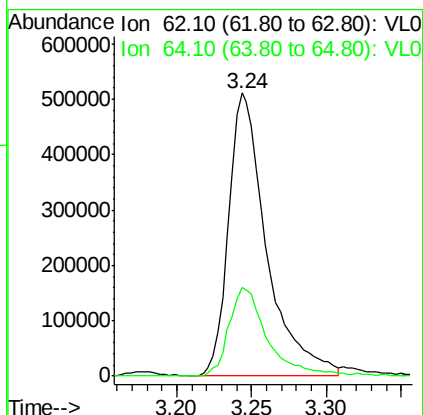
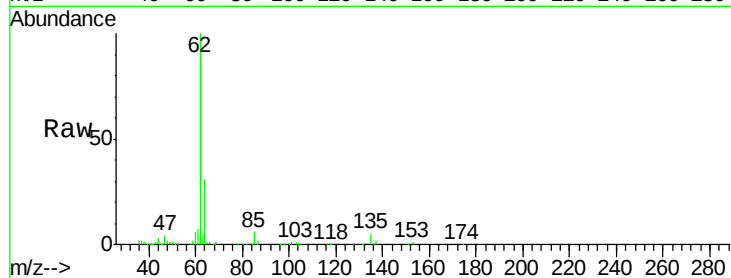
VSTDCCC010

Tgt Ion: 62 Resp: 902818

Ion Ratio Lower Upper

62 100

64 31.5 24.9 37.3



#6

Bromomethane

Concen: 9.038 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL037796.D

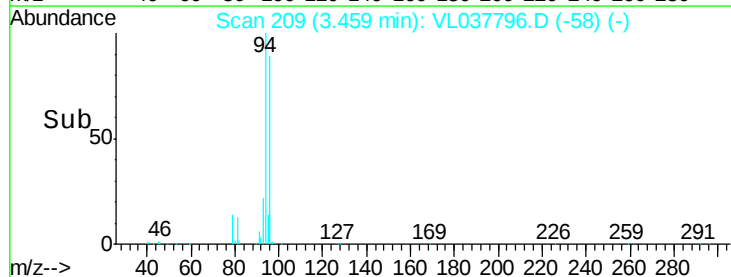
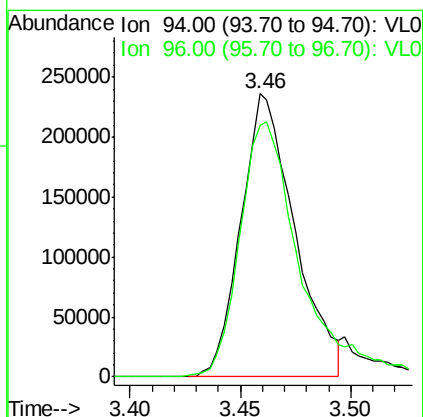
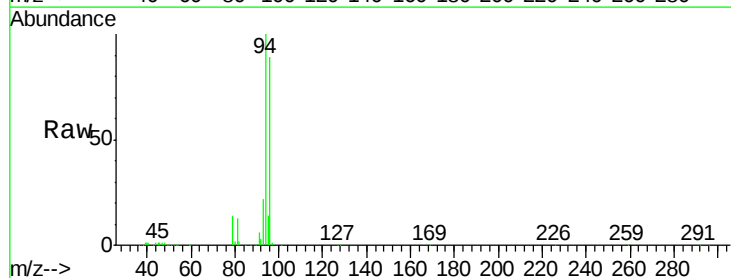
Acq: 7 Oct 2021 13:47

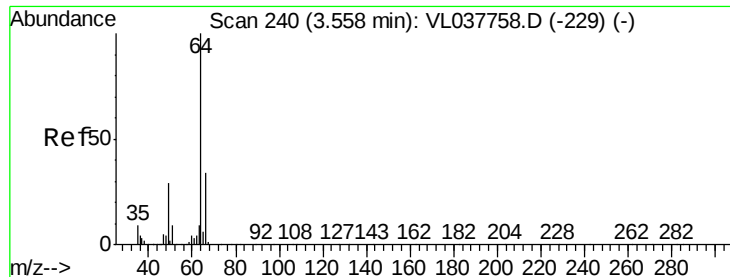
Tgt Ion: 94 Resp: 399490

Ion Ratio Lower Upper

94 100

96 88.4 72.5 108.7





#7

Chloroethane

Concen: 10.660 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

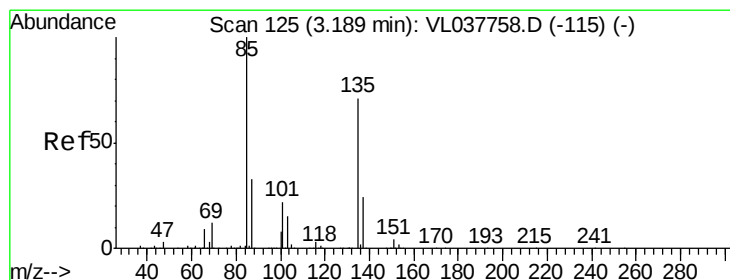
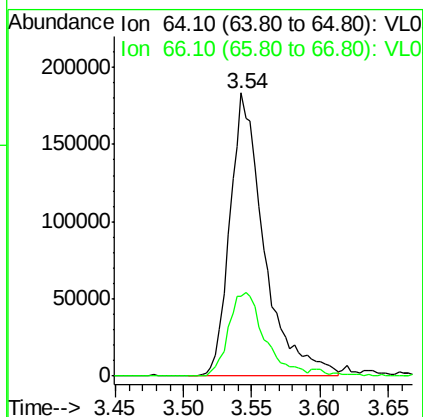
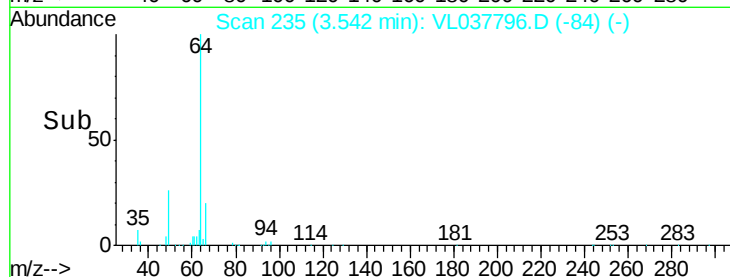
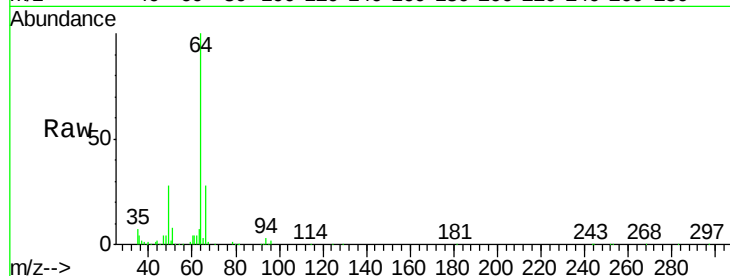
VSTDCCC010

Tgt Ion: 64 Resp: 320304

Ion Ratio Lower Upper

64 100

66 28.4 27.5 41.3



#8

Dichlorotetrafluoroethane

Concen: 10.055 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037796.D

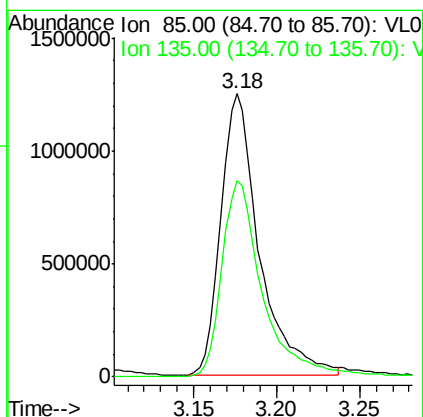
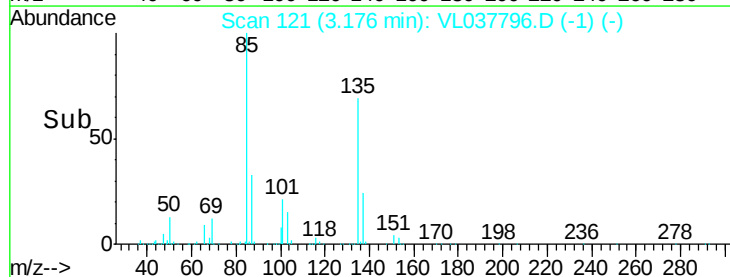
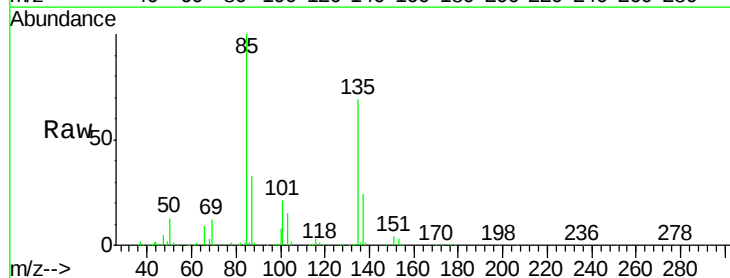
Acq: 7 Oct 2021 13:47

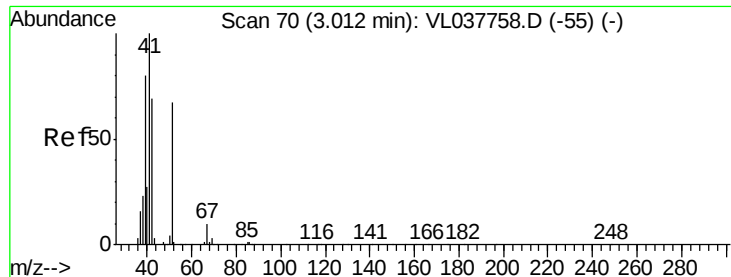
Tgt Ion: 85 Resp: 2010675

Ion Ratio Lower Upper

85 100

135 75.0 59.5 89.3





#9

Propene

Concen: 9.755 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

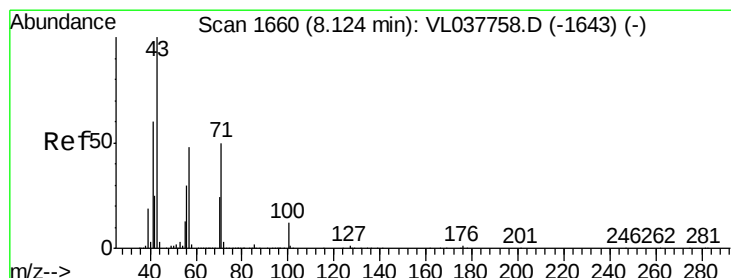
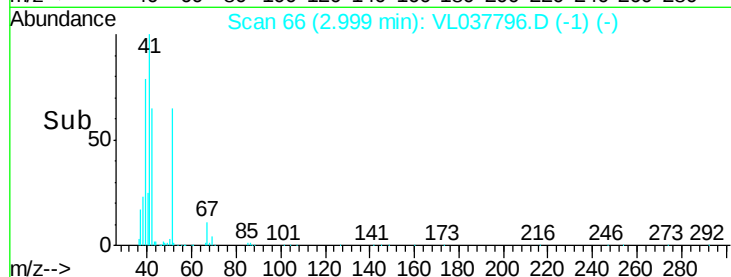
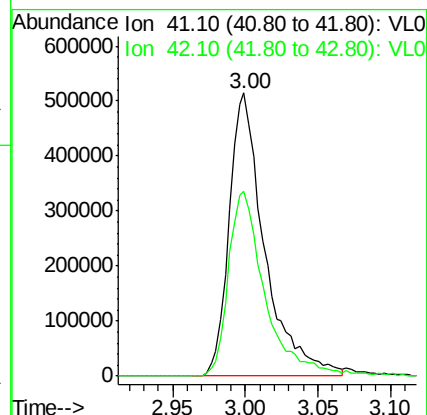
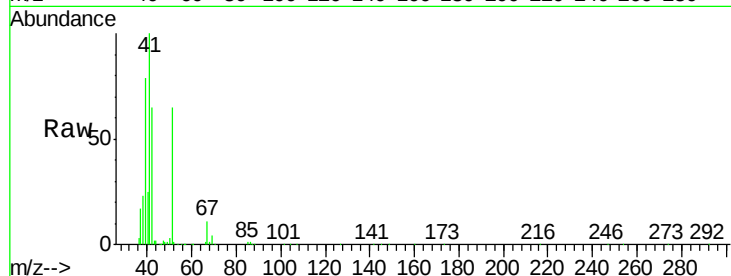
VSTDCCC010

Tgt Ion: 41 Resp: 873550

Ion Ratio Lower Upper

41 100

42 68.2 54.2 81.2



#10

Heptane

Concen: 10.806 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.02 min

Lab File: VL037796.D

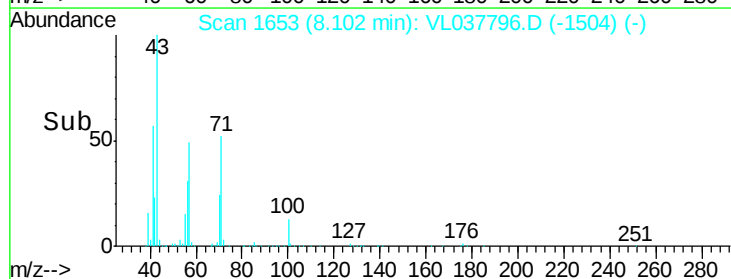
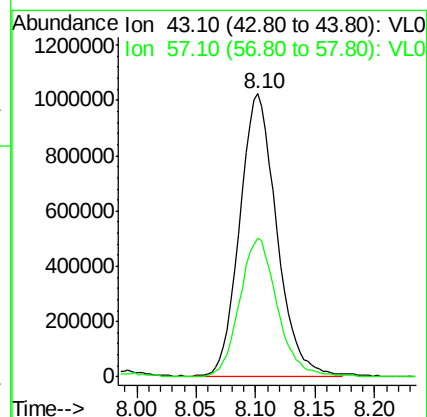
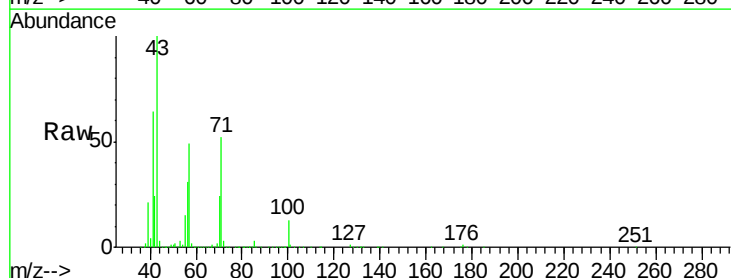
Acq: 7 Oct 2021 13:47

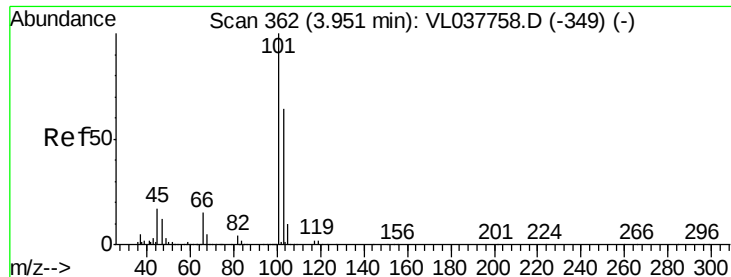
Tgt Ion: 43 Resp: 2197679

Ion Ratio Lower Upper

43 100

57 50.4 40.0 60.0

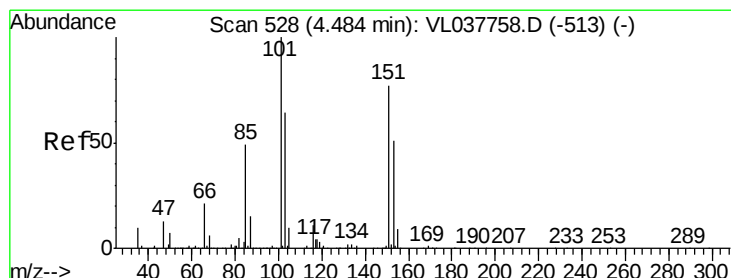
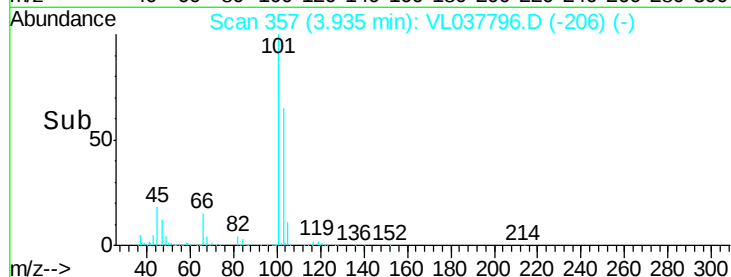
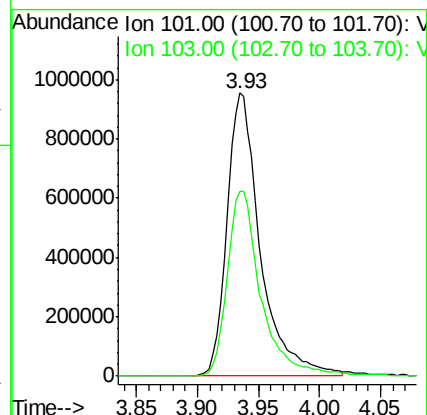
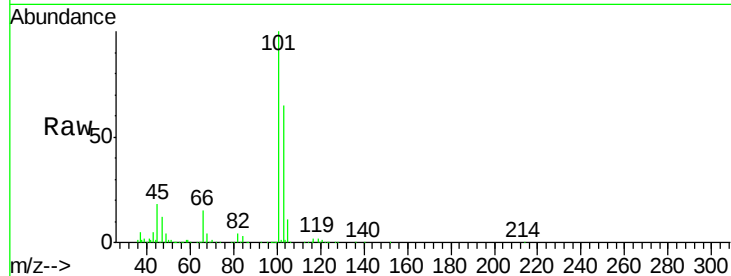




#11
 Trichlorofluoromethane
 Concen: 10.152 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

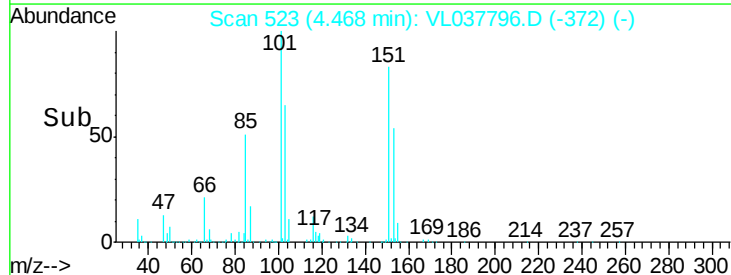
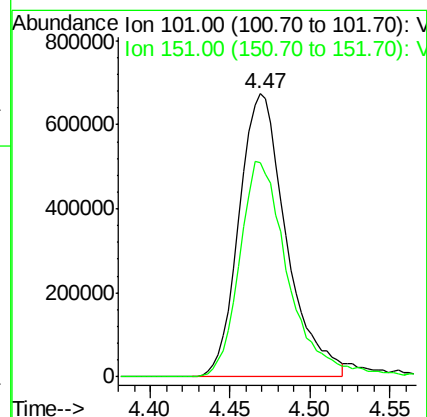
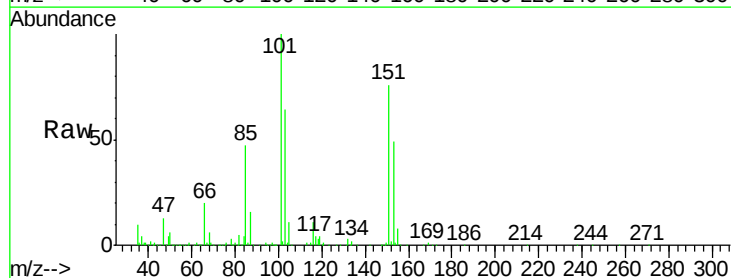
Instrument :
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 ClientSampleId :
 VSTDCCC010

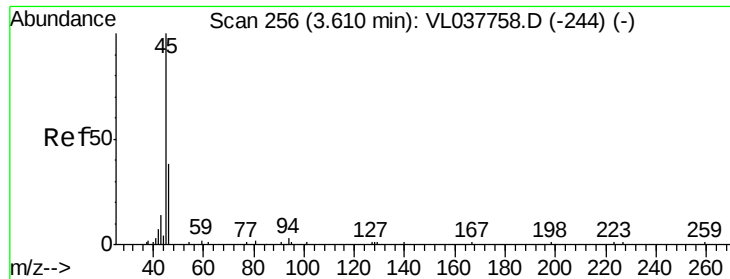
Tgt Ion:101 Resp: 1832506
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.950 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion:101 Resp: 1360934
 Ion Ratio Lower Upper
 101 100
 151 79.5 62.9 94.3





#13

Ethanol

Concen: 3.366 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

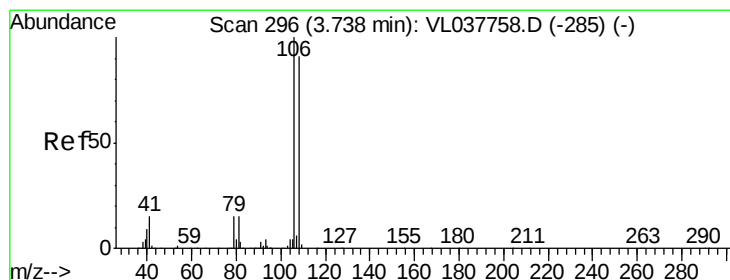
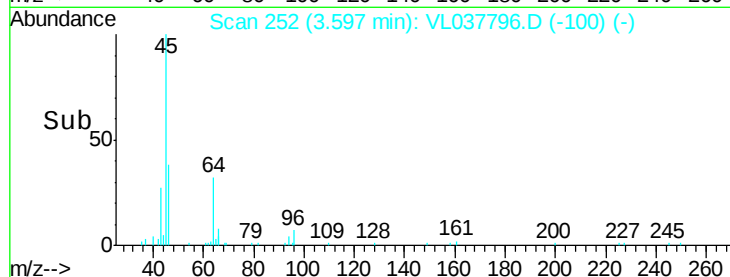
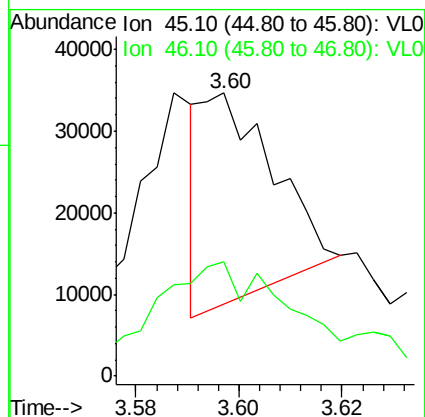
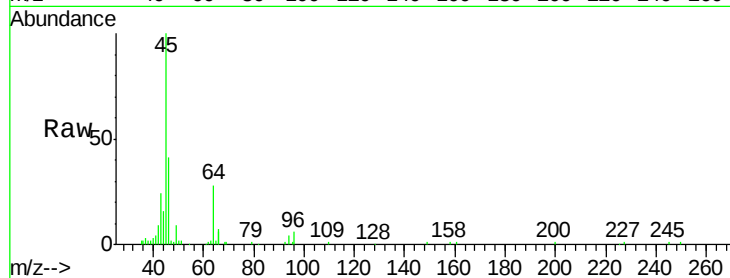
VSTDCCC010

Tgt Ion: 45 Resp: 24652

Ion Ratio Lower Upper

45 100

46 144.4 20.2 81.0#



#14

Bromoethene

Concen: 10.539 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

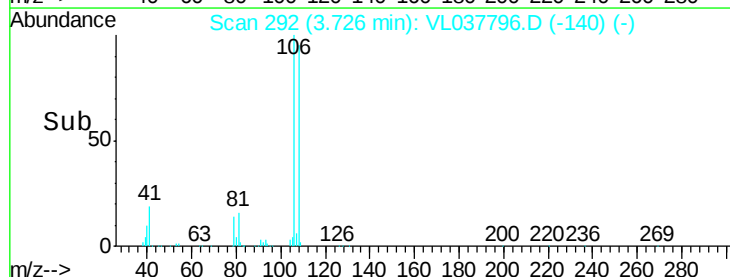
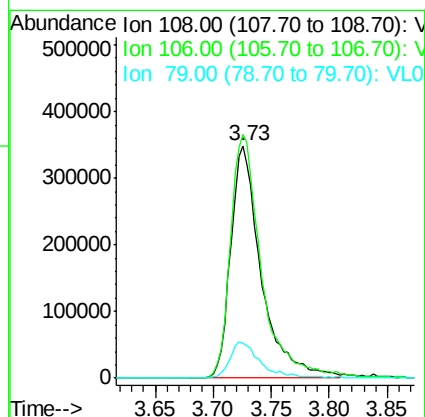
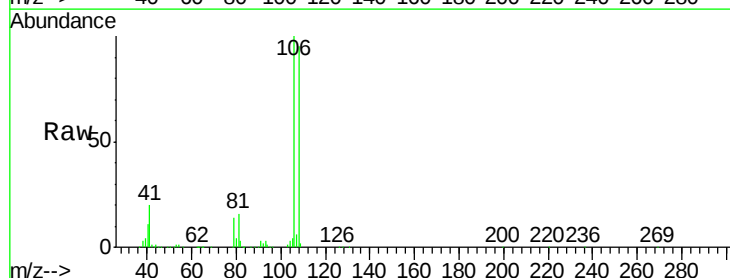
Tgt Ion: 108 Resp: 633788

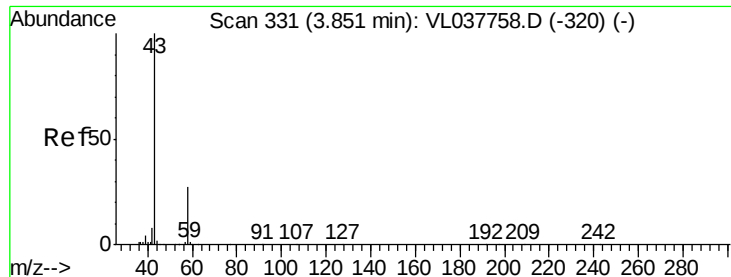
Ion Ratio Lower Upper

108 100

106 107.3 91.9 137.9

79 16.2 13.9 20.9

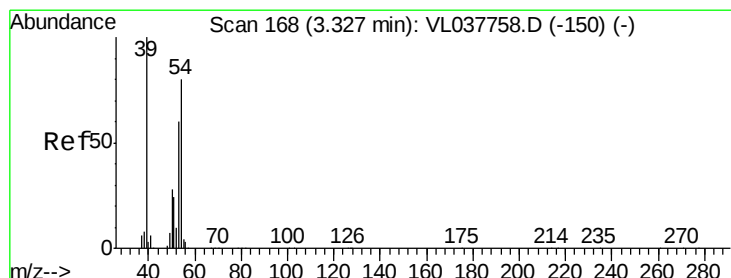
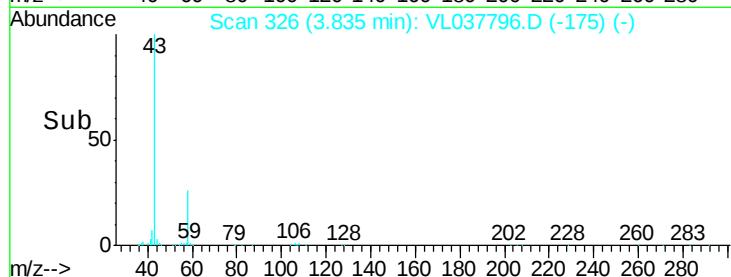
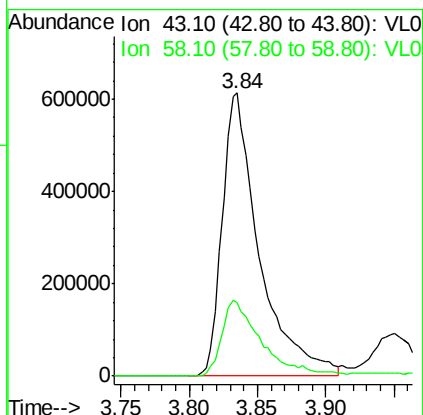
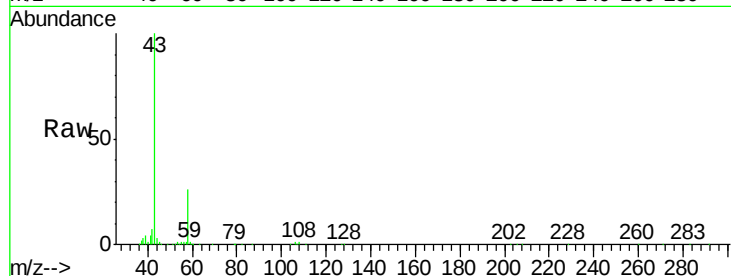




#15
Acetone
Concen: 10.188 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

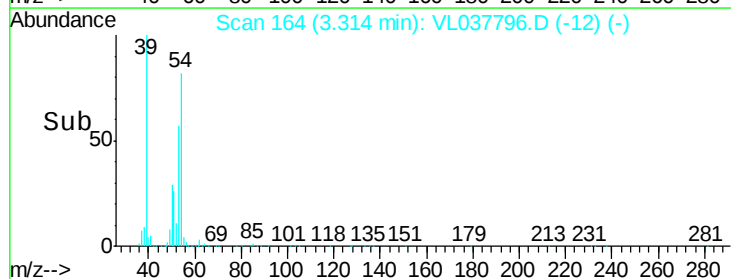
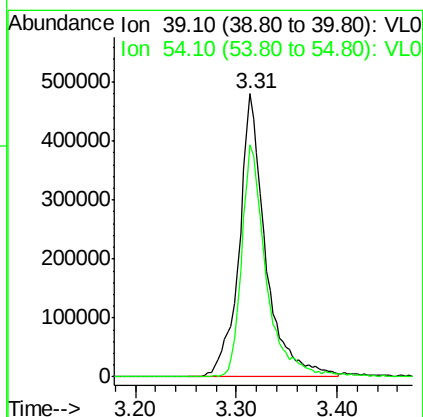
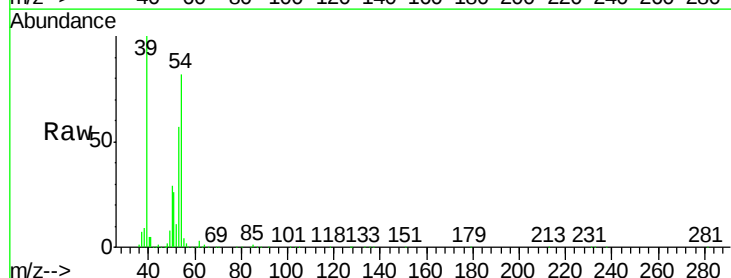
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

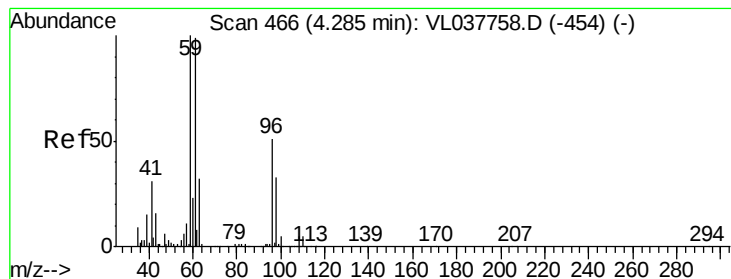
Tgt Ion: 43 Resp: 1158512
Ion Ratio Lower Upper
43 100
58 28.8 23.0 34.6



#16
1,3-Butadiene
Concen: 10.544 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 39 Resp: 872320
Ion Ratio Lower Upper
39 100
54 76.7 61.7 92.5





#17

tert-Butyl alcohol

Concen: 10.758 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

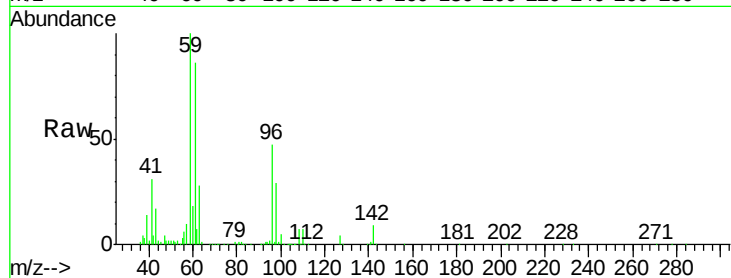
VSTDCCC010

Tgt Ion: 59 Resp: 1259830

Ion Ratio Lower Upper

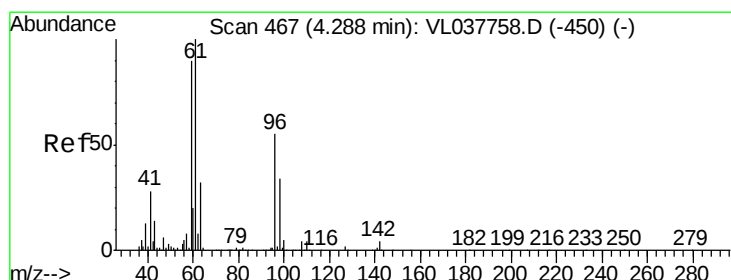
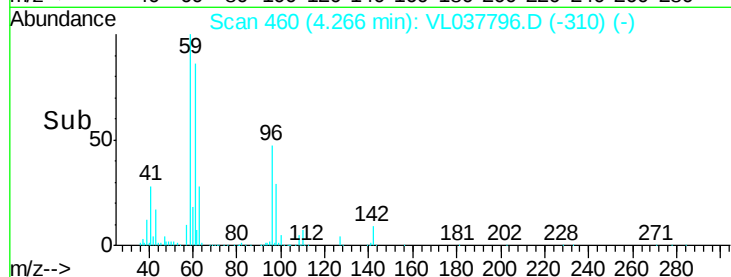
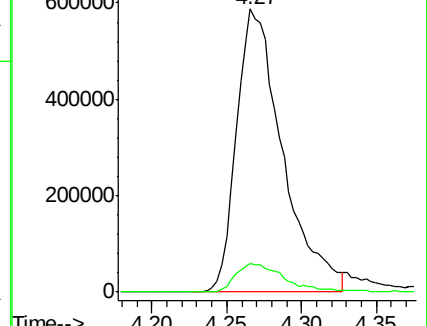
59 100

57 10.9 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: 9.929 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

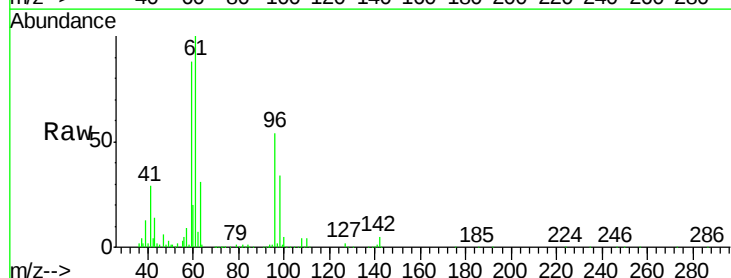
Tgt Ion: 96 Resp: 617150

Ion Ratio Lower Upper

96 100

61 185.4 146.2 219.4

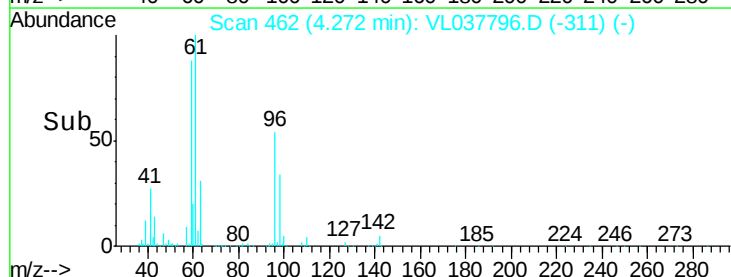
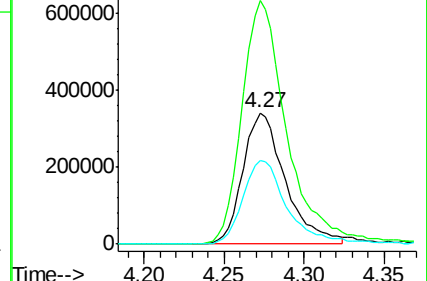
98 63.9 50.0 75.0

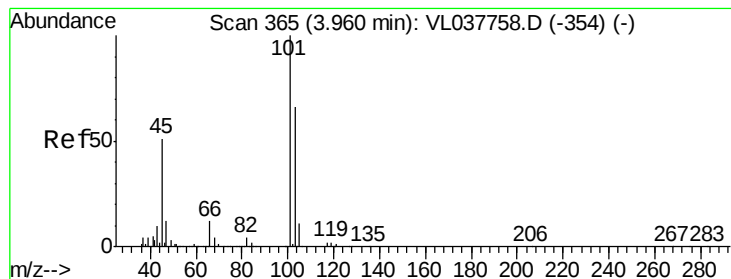


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.972 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

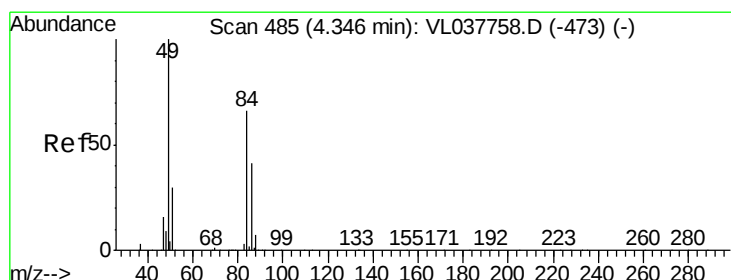
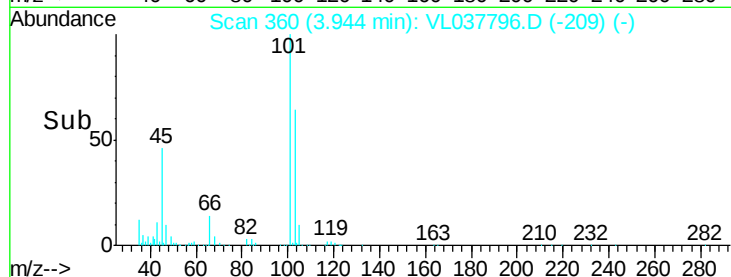
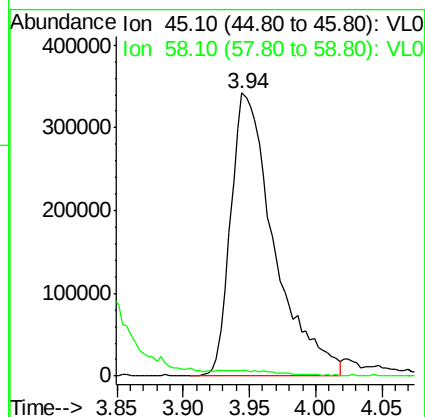
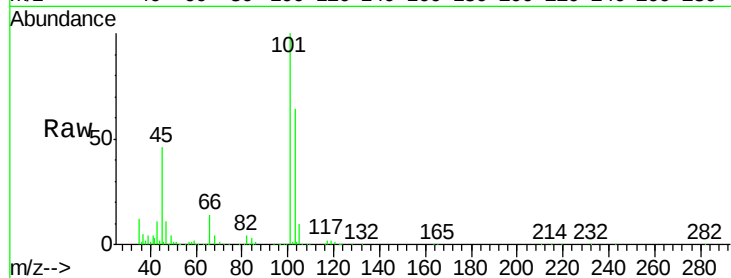
VSTDCCC010

Tgt Ion: 45 Resp: 776177

Ion Ratio Lower Upper

45 100

58 1.9 1.1 1.7#



#20

Methylene Chloride

Concen: 9.110 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Tgt Ion: 84 Resp: 523416

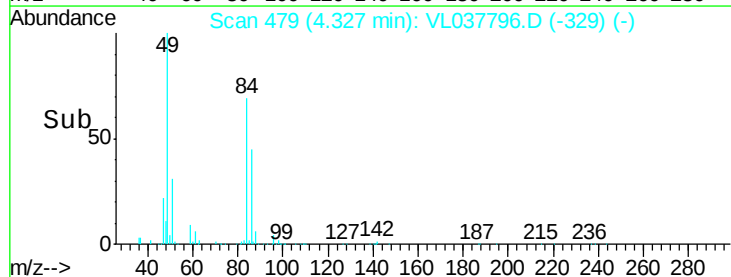
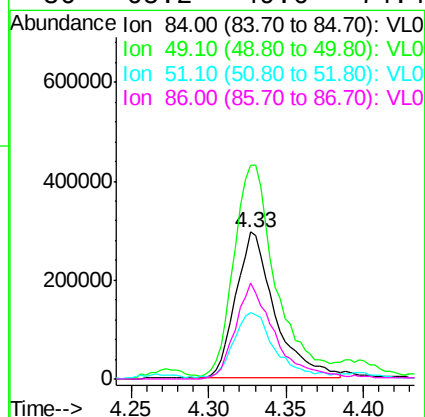
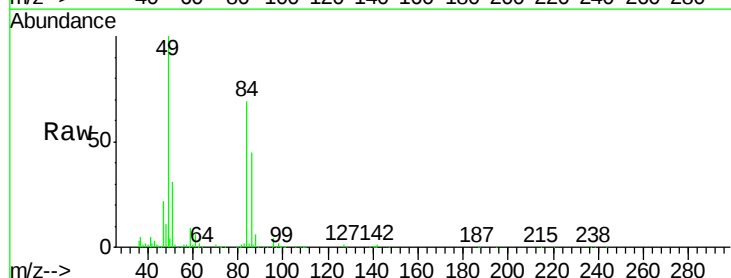
Ion Ratio Lower Upper

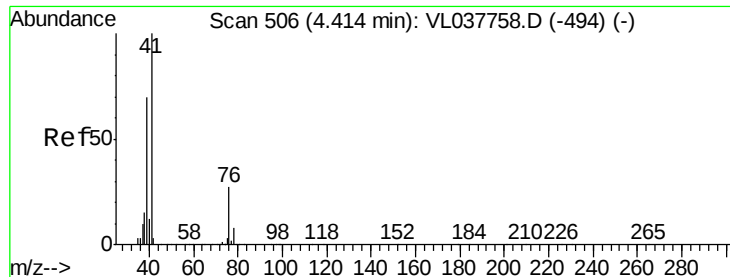
84 100

49 143.3 120.7 181.1

51 43.8 36.2 54.4

86 65.2 49.6 74.4





#21

Allyl Chloride

Concen: 10.017 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

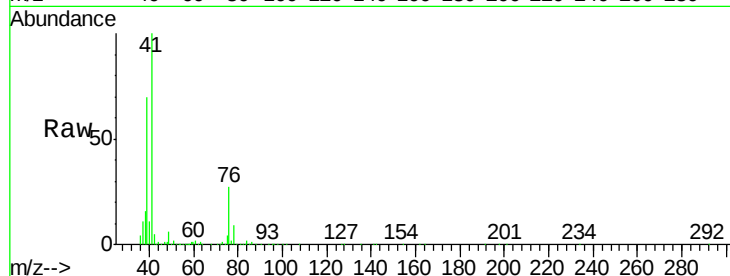
Tgt Ion: 41 Resp: 1009044

Ion Ratio Lower Upper

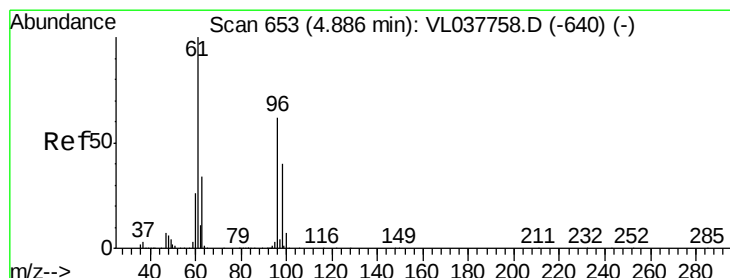
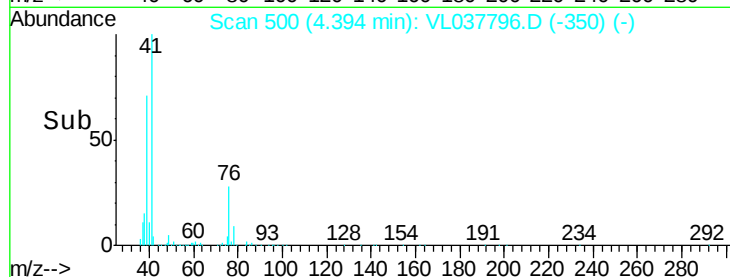
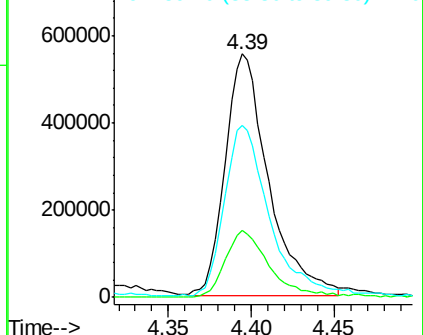
41 100

76 28.7 22.4 33.6

39 75.5 58.0 87.0



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



#22

trans-1,2-Dichloroethene

Concen: 10.387 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

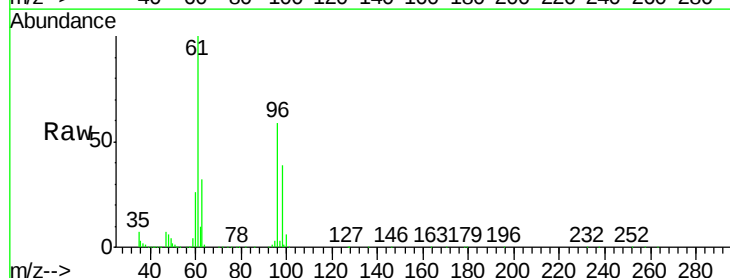
Tgt Ion: 96 Resp: 649072

Ion Ratio Lower Upper

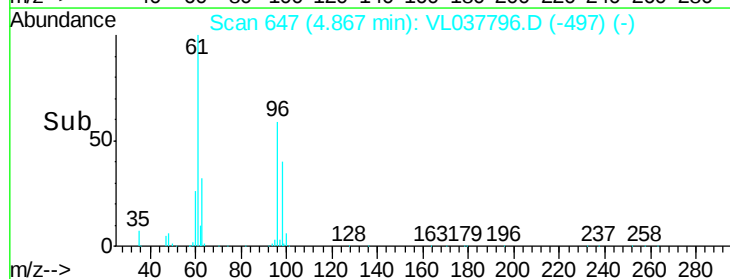
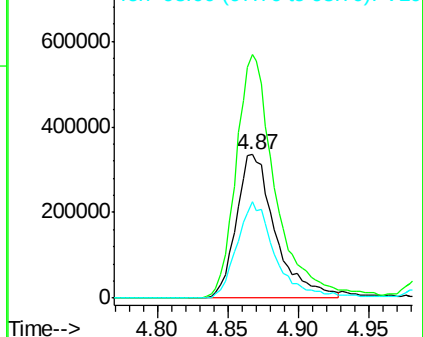
96 100

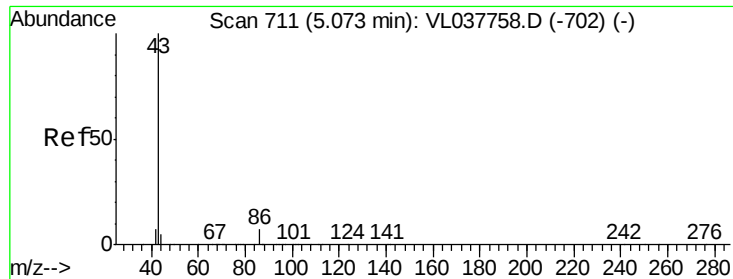
61 170.0 129.0 193.6

98 66.9 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.552 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1627643

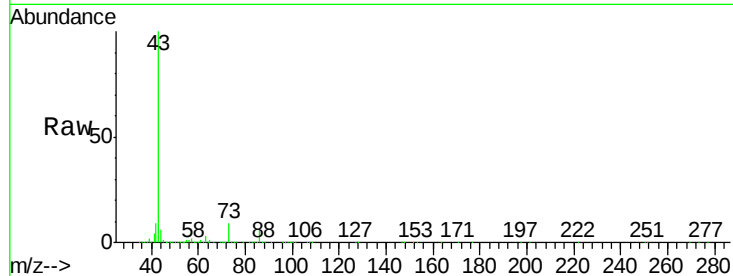
Ion Ratio Lower Upper

43 100

86 6.2 5.0 7.4

42 8.6 7.4 11.0

44 5.1 3.8 5.6

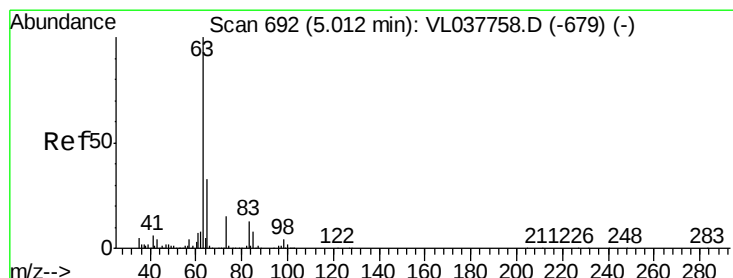
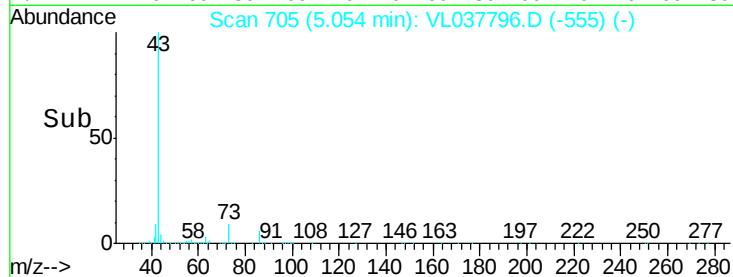
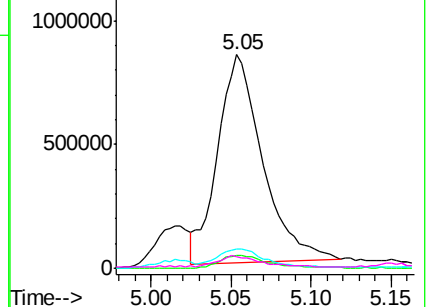


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.538 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

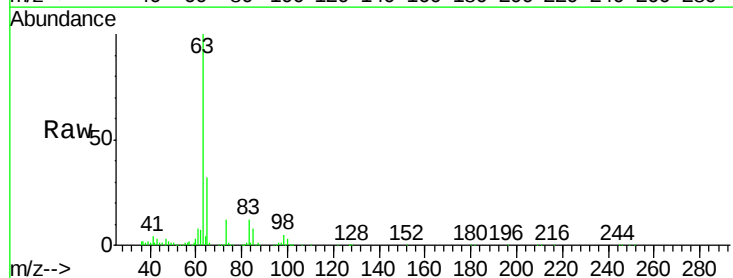
Tgt Ion: 63 Resp: 1307155

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

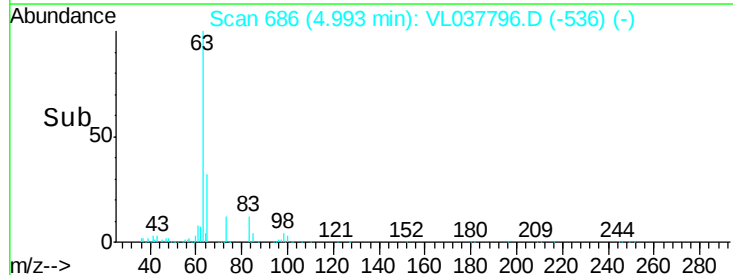
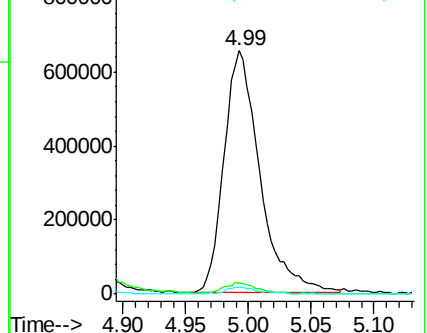
100 2.6 1.1 3.1

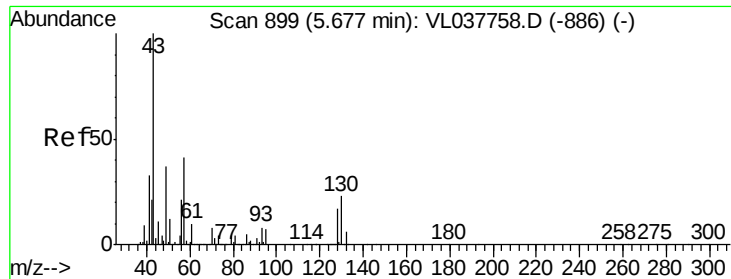


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.632 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 3392350

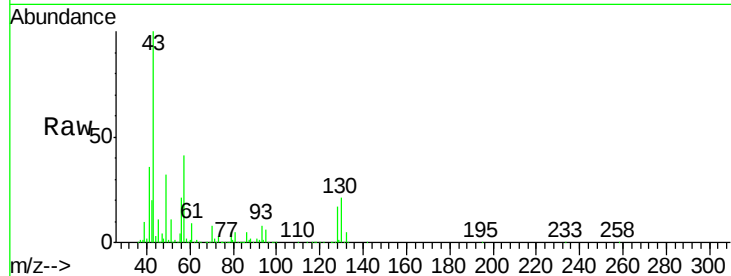
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	10.1	7.5	11.3
70	7.1	5.9	8.9

43 100

45 9.9 8.1 12.1

61 10.1 7.5 11.3

70 7.1 5.9 8.9



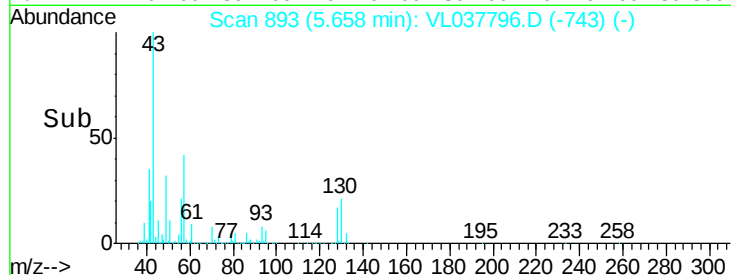
Abundance

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



Time-->

5.66

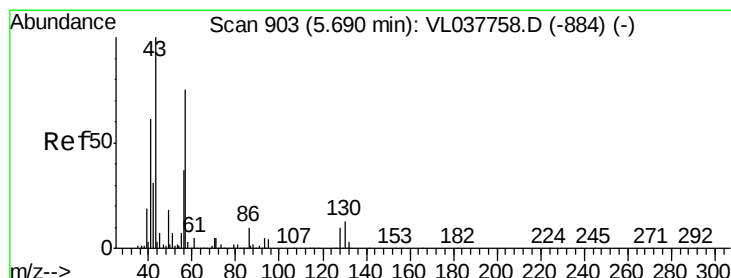
1500000

1000000

500000

0

5.60 5.65 5.70 5.75



#26

Hexane

Concen: 10.094 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Tgt Ion: 57 Resp: 1585920

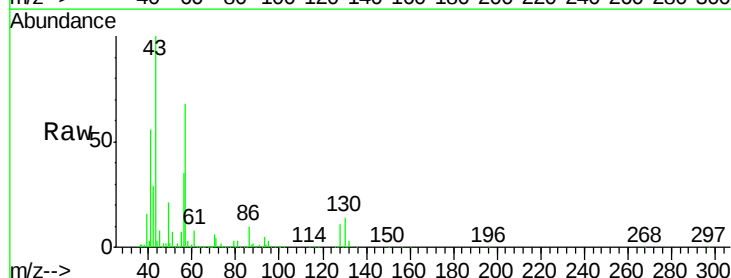
Ion	Ratio	Lower	Upper
57	100		
41	90.7	69.6	104.4
43	220.0	171.4	257.0
56	53.9	42.0	63.0

57 100

41 90.7 69.6 104.4

43 220.0 171.4 257.0

56 53.9 42.0 63.0



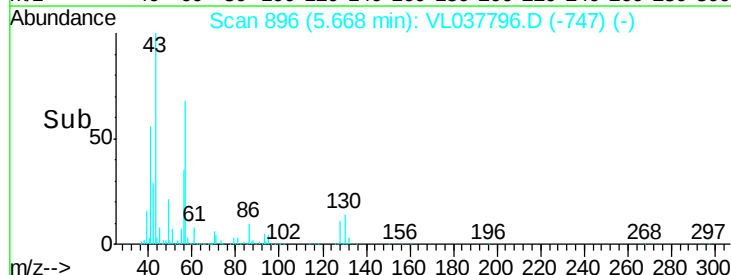
Abundance

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



Time-->

5.67

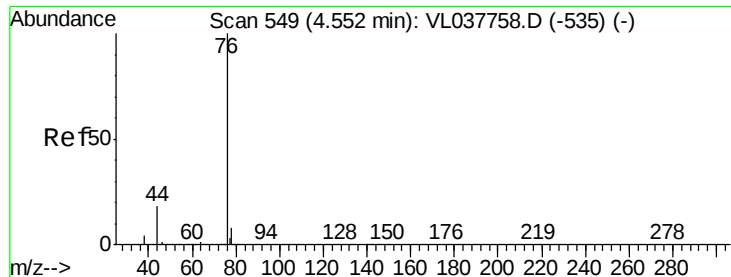
1500000

1000000

500000

0

5.60 5.65 5.70 5.75



#27

Carbon Disulfide

Concen: 11.309 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

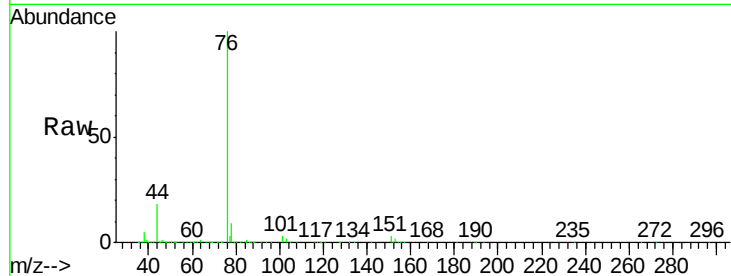
Tgt Ion: 76 Resp: 1574723

Ion Ratio Lower Upper

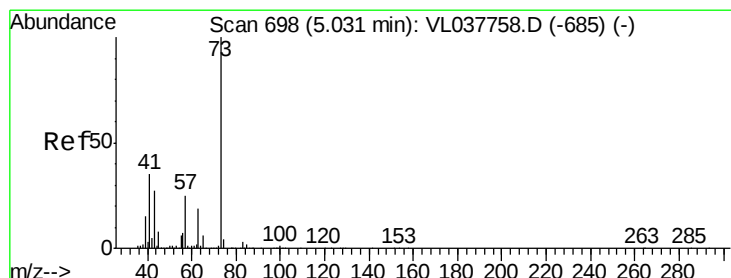
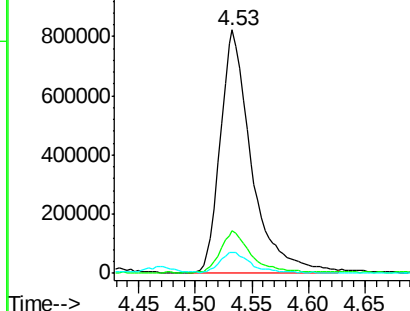
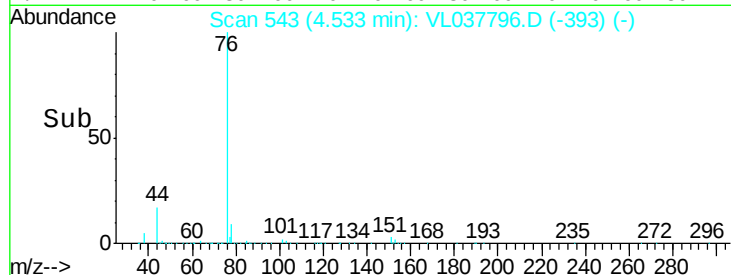
76 100

44 17.3 14.3 21.5

78 9.2 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: 10.384 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.02 min

Lab File: VL037796.D

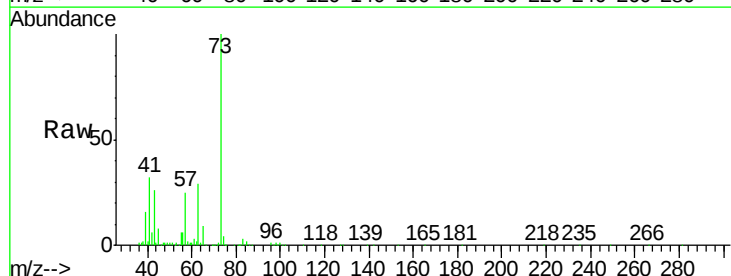
Acq: 7 Oct 2021 13:47

Tgt Ion: 73 Resp: 1358391

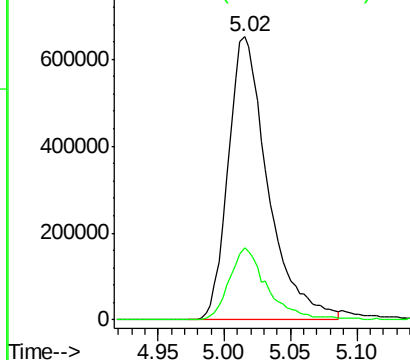
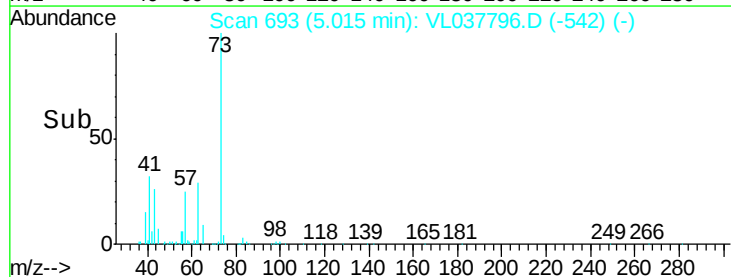
Ion Ratio Lower Upper

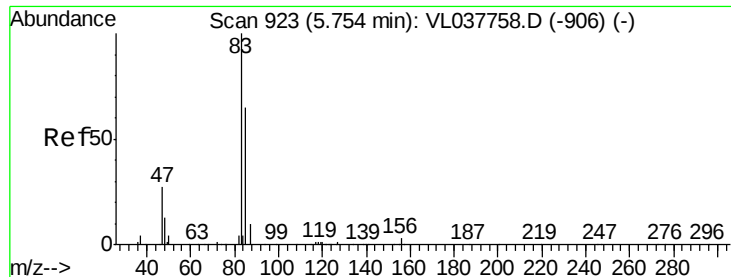
73 100

57 24.7 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: 10.190 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

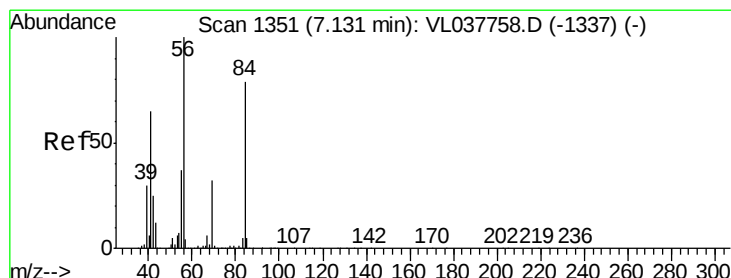
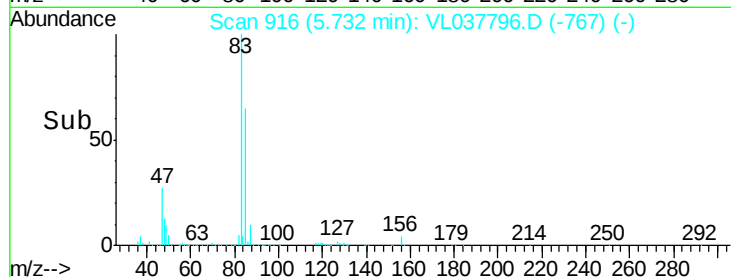
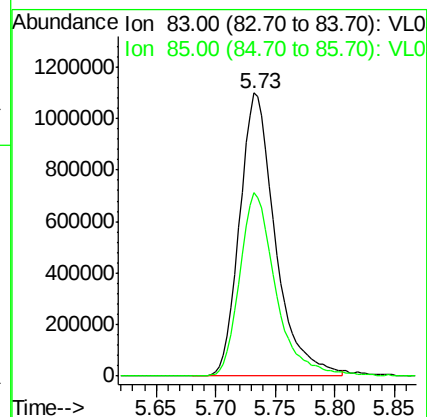
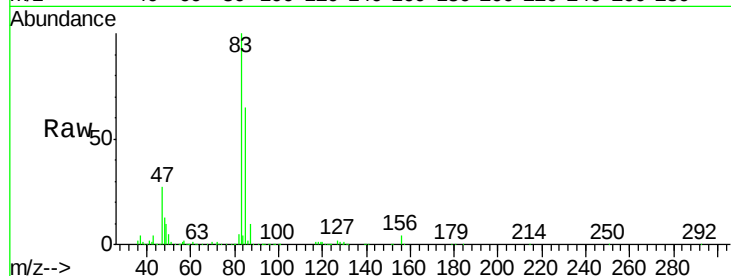
VSTDCCC010

Tgt Ion: 83 Resp: 2288442

Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.8



#30

Cyclohexane

Concen: 10.274 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

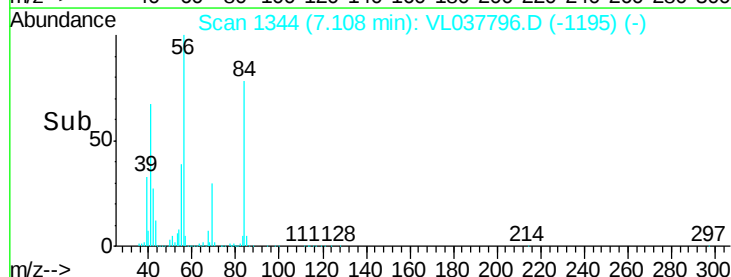
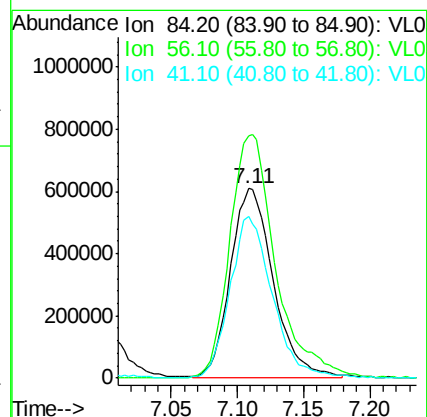
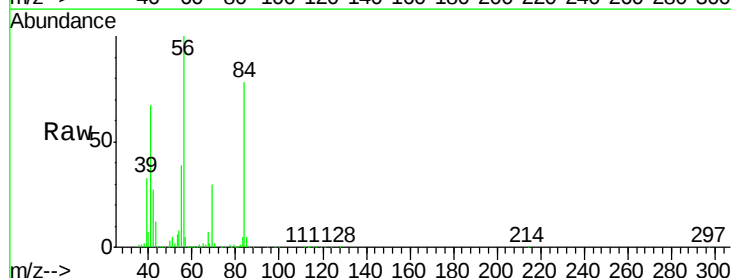
Tgt Ion: 84 Resp: 1368854

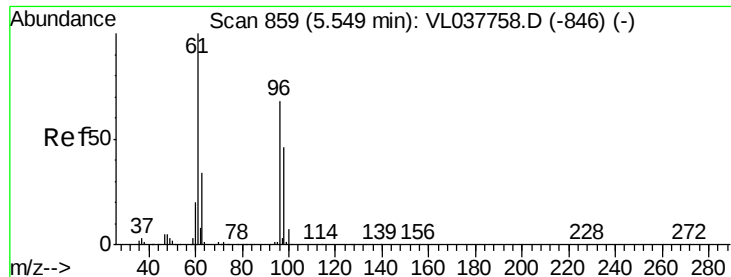
Ion Ratio Lower Upper

84 100

56 138.3 113.0 169.4

41 84.5 69.1 103.7



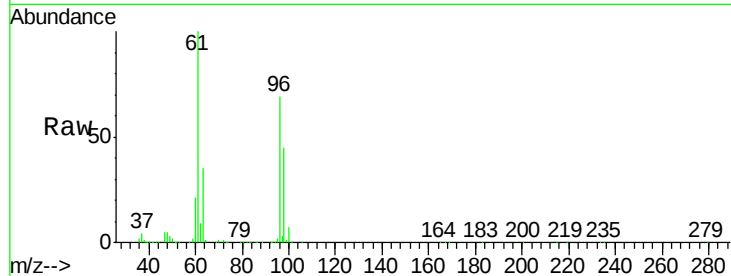


#31

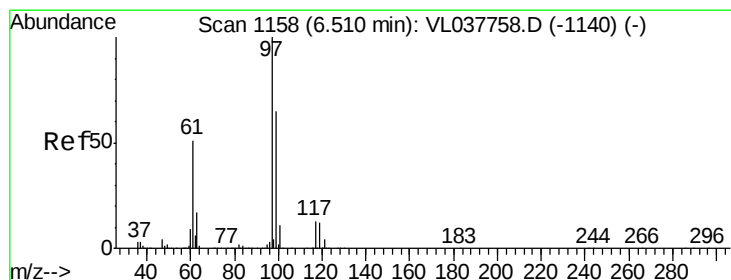
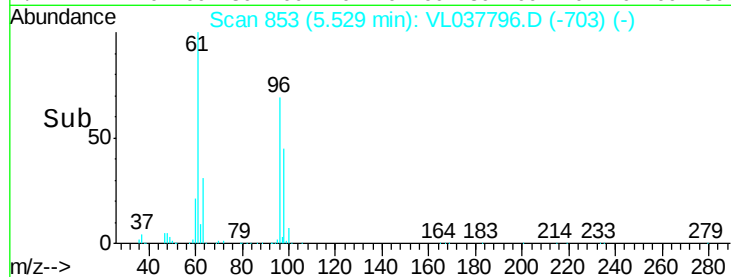
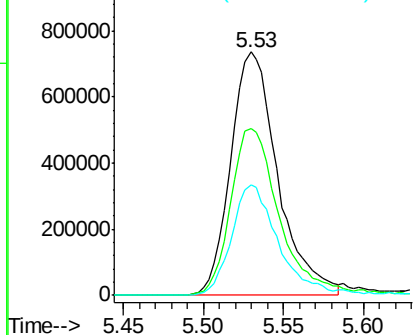
cis-1,2-Dichloroethene
 Concen: 10.353 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 61 Resp: 1476742
 Ion Ratio Lower Upper
 61 100
 96 68.5 54.2 81.2
 98 45.4 36.6 54.8



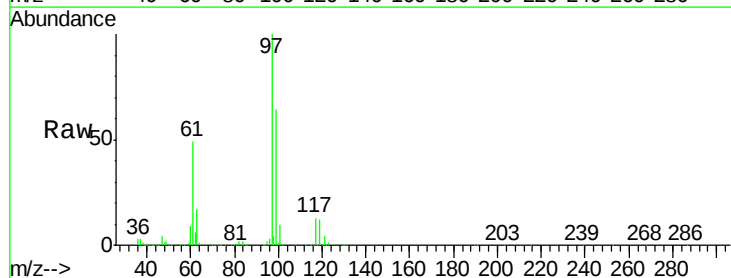
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



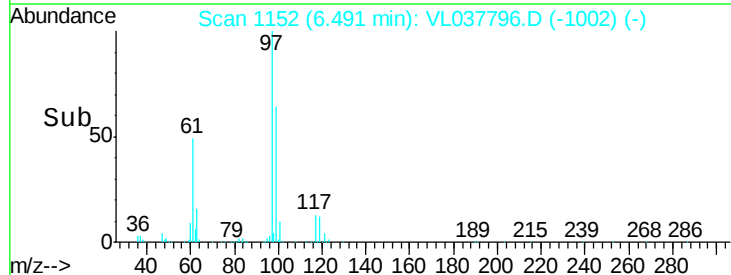
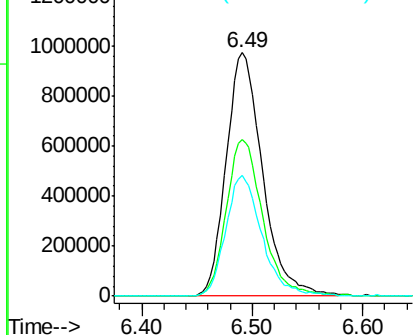
#32

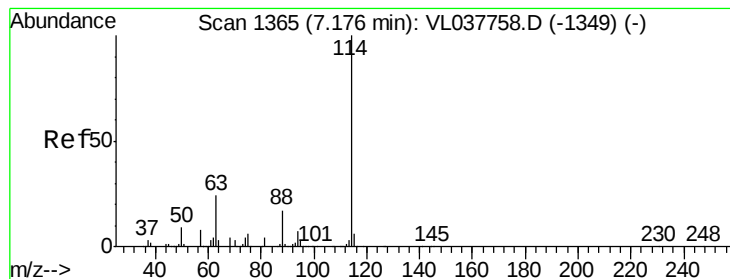
1,1,1-Trichloroethane
 Concen: 10.471 ppbv
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion: 97 Resp: 2229446
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.6 78.8
 61 49.4 40.2 60.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

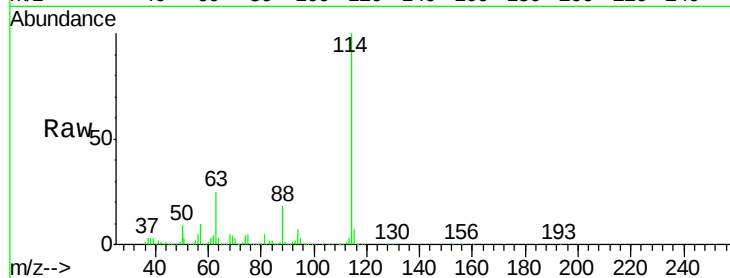
Tgt Ion:114 Resp: 3782382

Ion Ratio Lower Upper

114 100

63 24.0 19.4 29.2

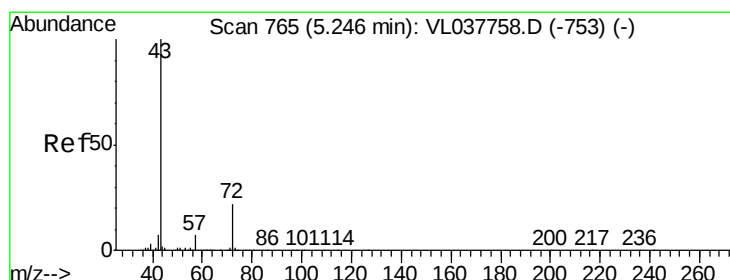
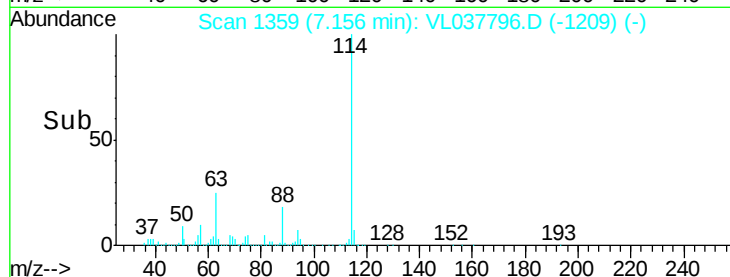
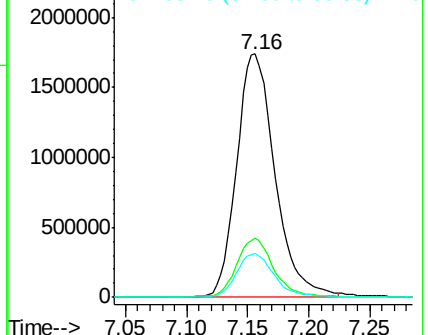
88 17.9 14.4 21.6



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: 9.927 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.02 min

Lab File: VL037796.D

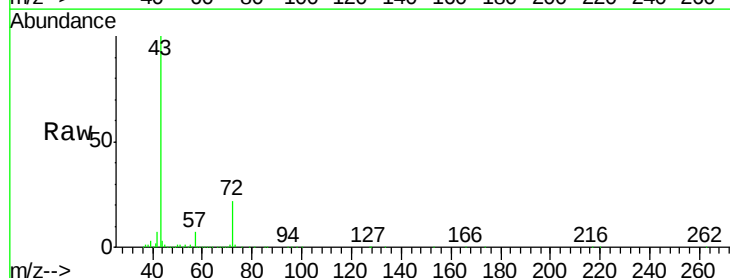
Acq: 7 Oct 2021 13:47

Tgt Ion: 43 Resp: 1515830

Ion Ratio Lower Upper

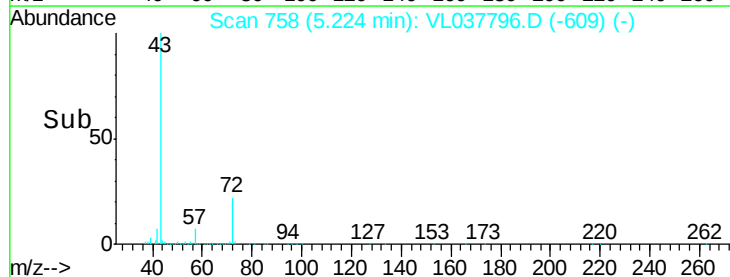
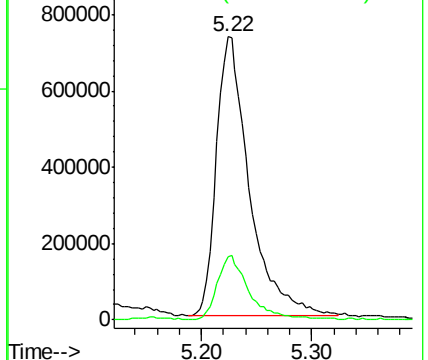
43 100

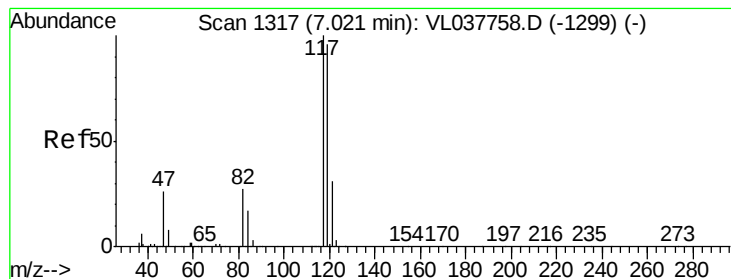
72 22.3 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.673 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

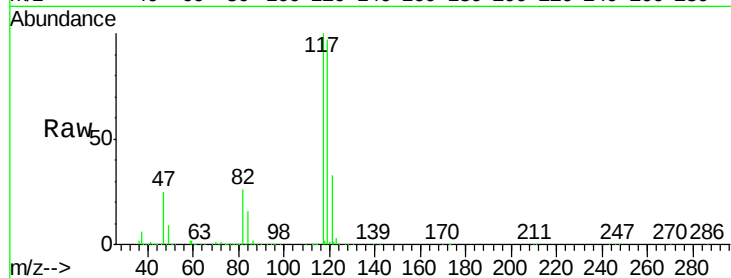
Tgt Ion:117 Resp: 2292626

Ion Ratio Lower Upper

117 100

119 96.8 76.5 114.7

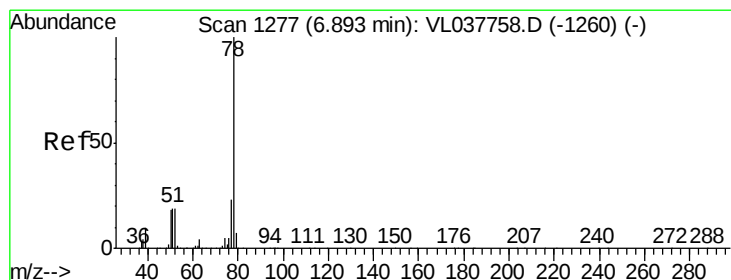
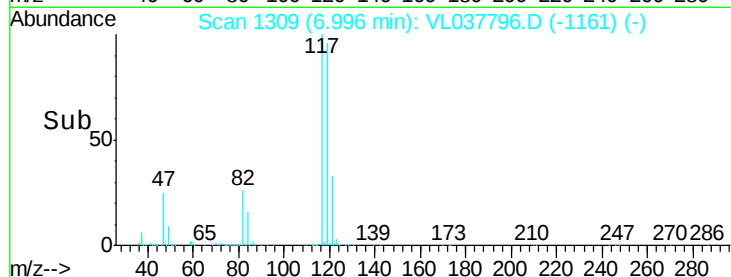
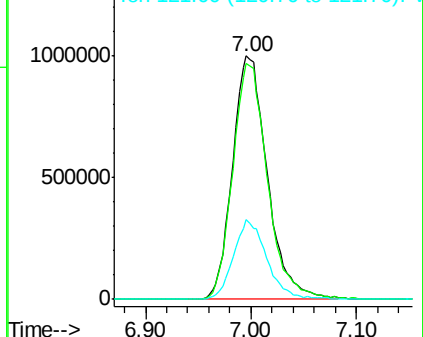
121 32.8 24.9 37.3



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: 10.327 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

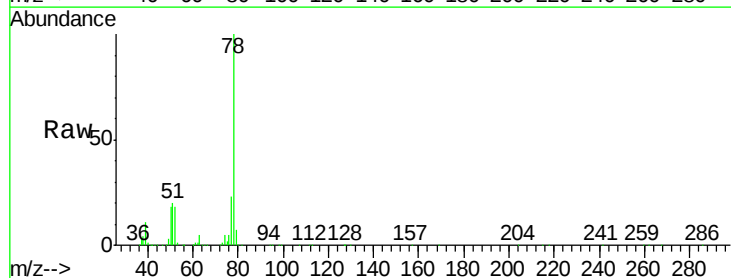
Tgt Ion: 78 Resp: 3336293

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2

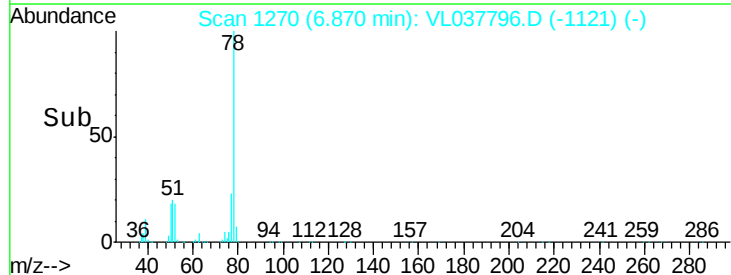
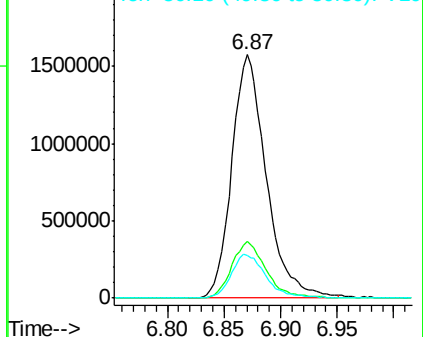
50 17.6 14.7 22.1

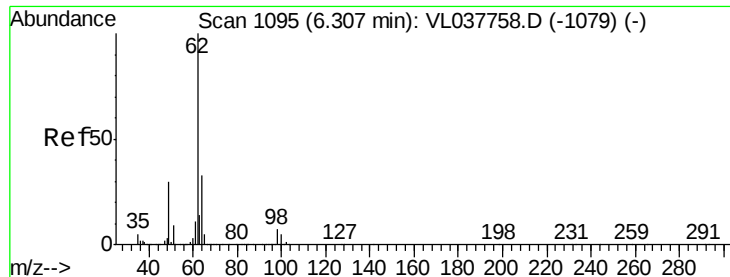


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.653 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

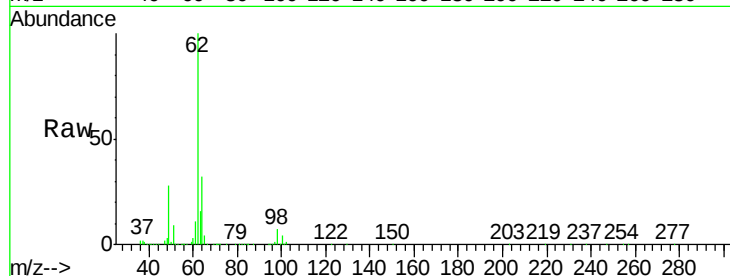
VSTDCCC010

Tgt Ion: 62 Resp: 1620530

Ion Ratio Lower Upper

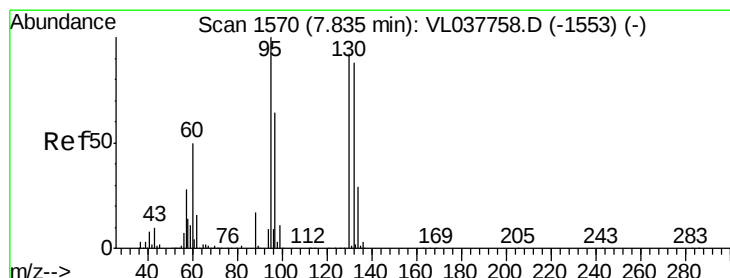
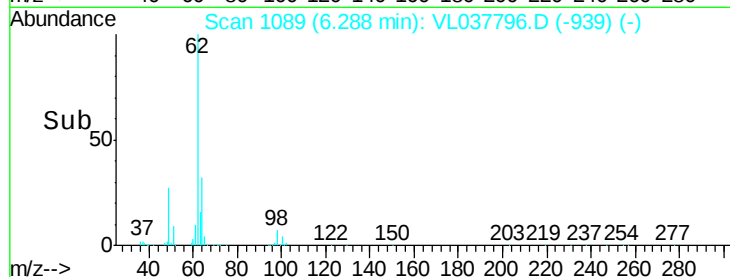
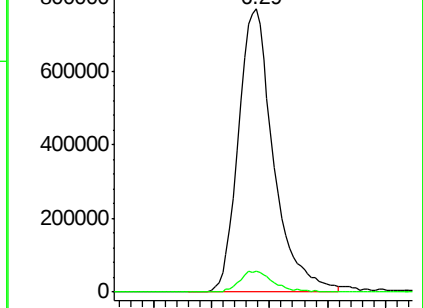
62 100

98 7.6 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: 10.387 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Tgt Ion: 130 Resp: 1325706

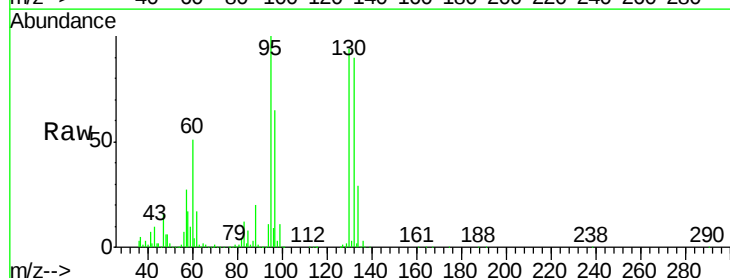
Ion Ratio Lower Upper

130 100

95 106.8 87.4 131.0

132 96.2 76.8 115.2

97 69.5 55.8 83.8

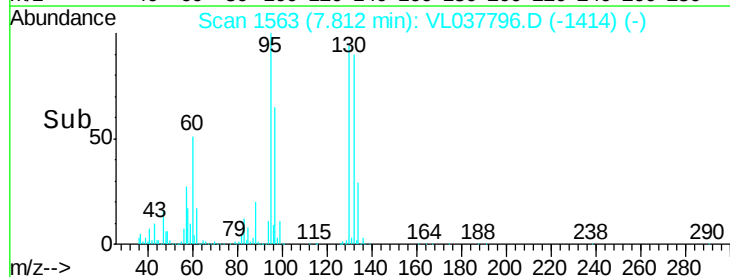
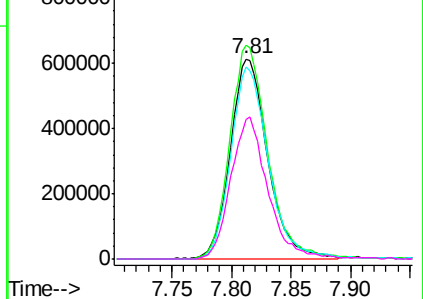


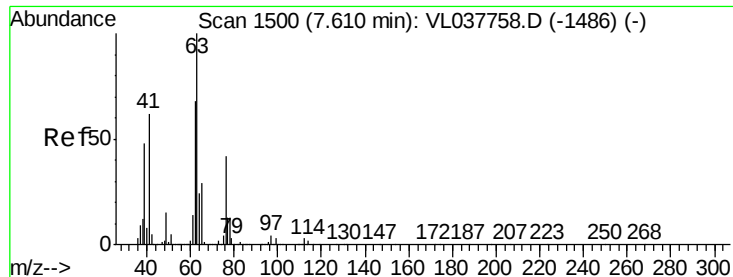
Abundance Ion 130.00 (129.70 to 130.70): V

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

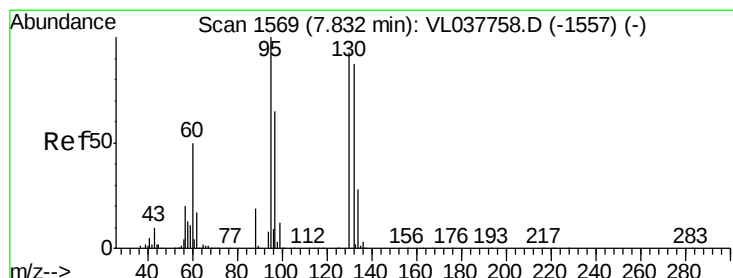
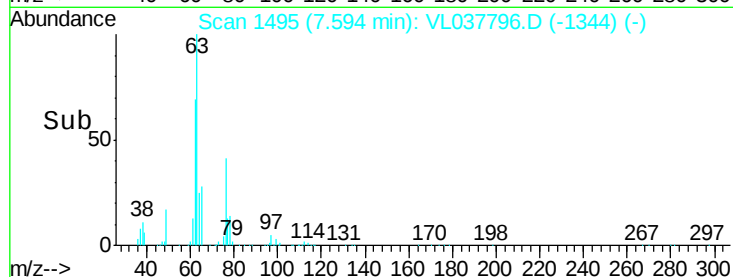
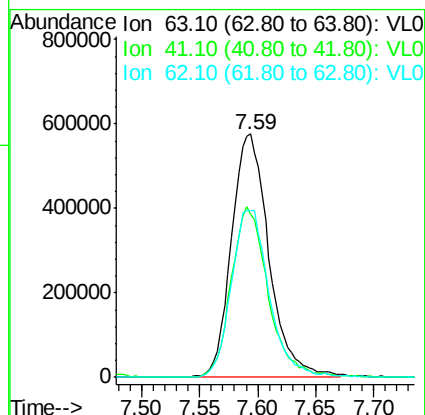
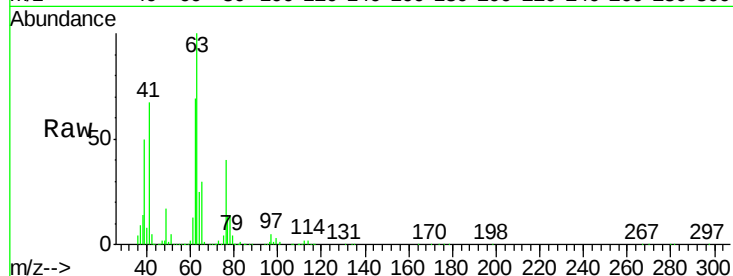




#39
 1,2-Dichloropropane
 Concen: 10.607 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

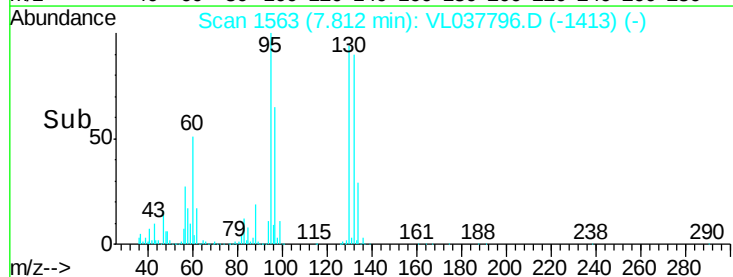
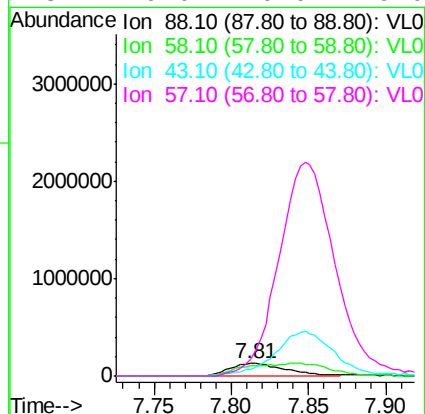
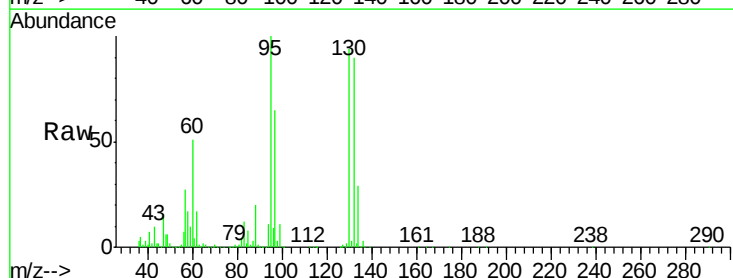
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

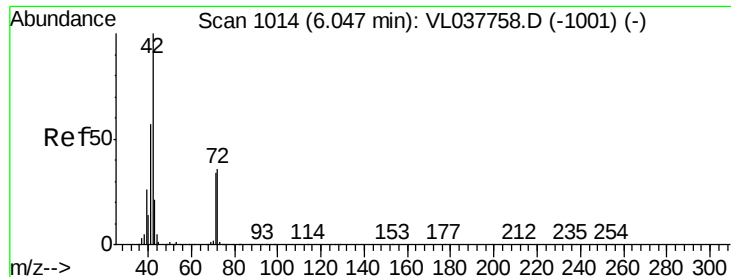
Tgt Ion: 63 Resp: 1288952
 Ion Ratio Lower Upper
 63 100
 41 66.8 49.8 74.6
 62 68.5 54.6 82.0



#40
 1,4-Dioxane
 Concen: 10.483 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion: 88 Resp: 318777
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.338 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

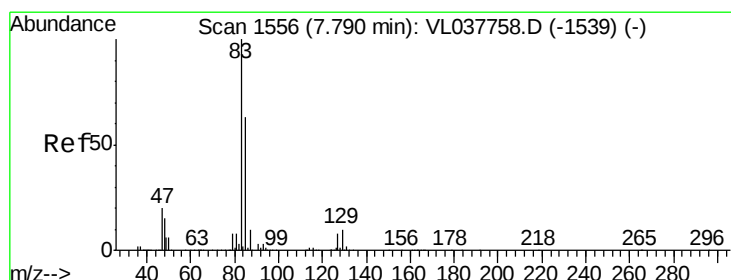
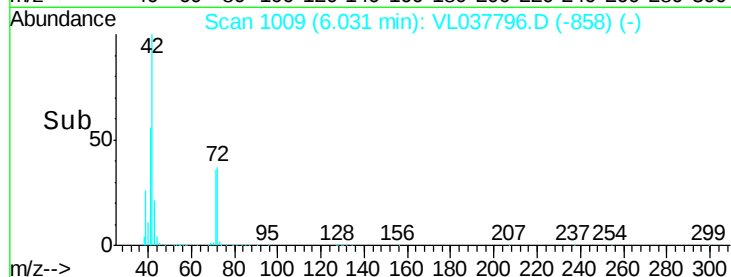
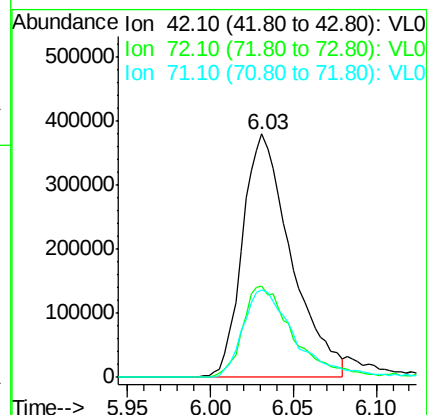
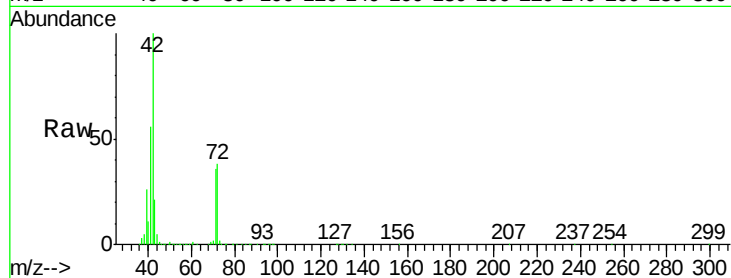
Tgt Ion: 42 Resp: 773009

Ion Ratio Lower Upper

42 100

72 40.1 31.9 47.9

71 39.9 30.3 45.5



#42

Bromodichloromethane

Concen: 11.074 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

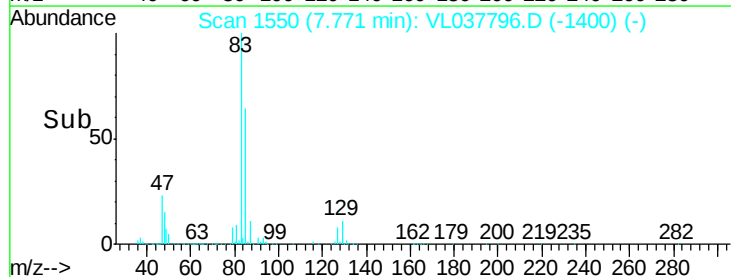
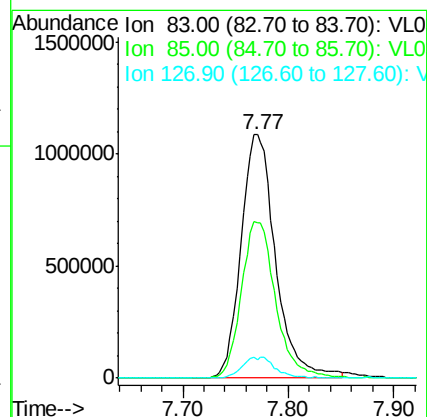
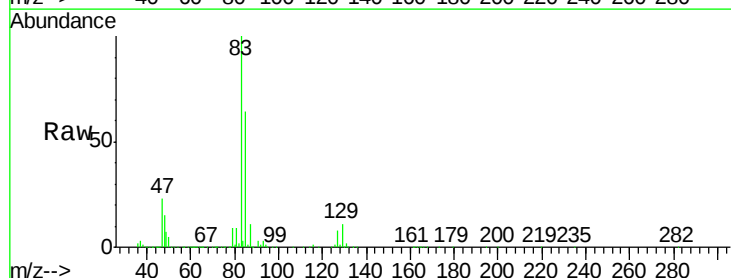
Tgt Ion: 83 Resp: 2474423

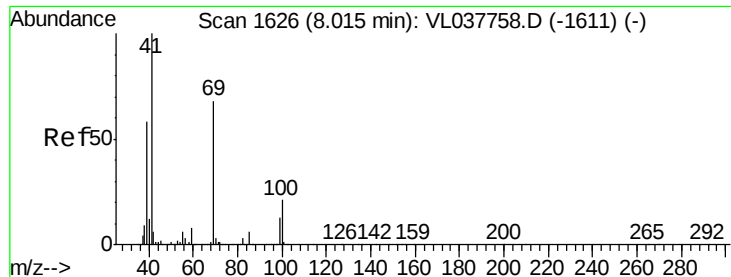
Ion Ratio Lower Upper

83 100

85 63.7 50.6 75.8

127 7.7 6.2 9.4

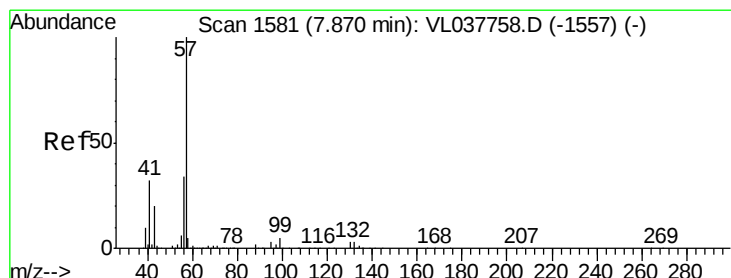
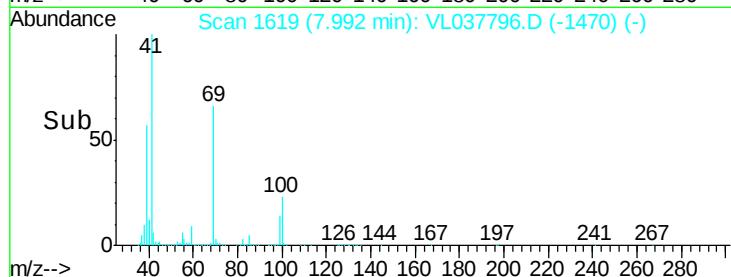
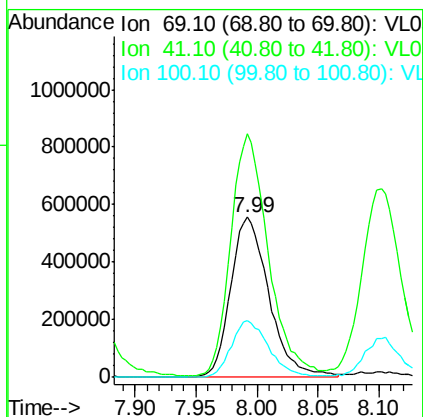
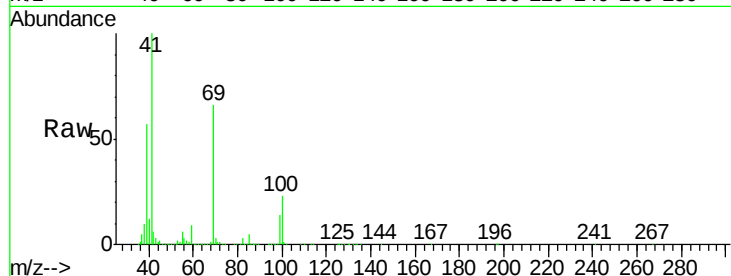




#43
Methyl Methacrylate
Concen: 11.479 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

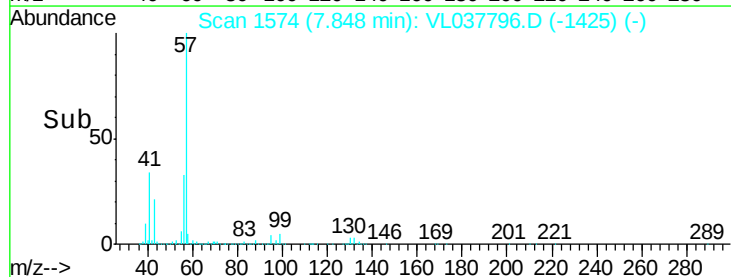
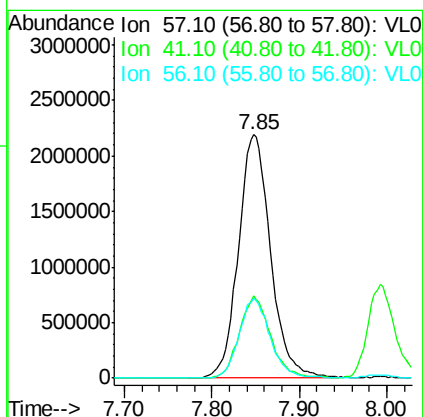
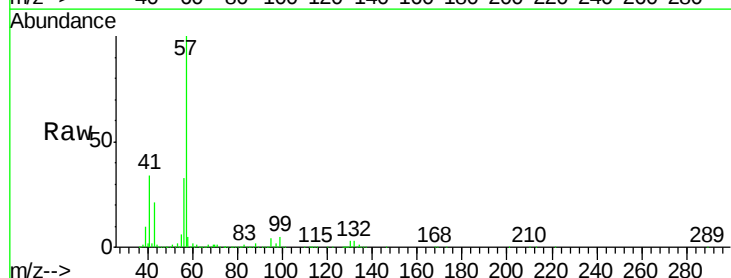
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

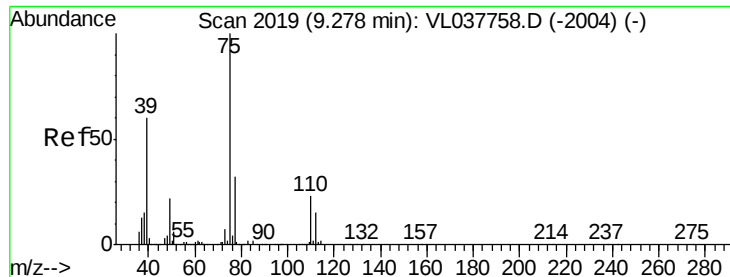
Tgt Ion: 69 Resp: 1211335
Ion Ratio Lower Upper
69 100
41 150.2 121.0 181.4
100 35.0 27.7 41.5



#44
2,2,4-Trimethylpentane
Concen: 10.314 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 57 Resp: 5598532
Ion Ratio Lower Upper
57 100
41 33.0 25.6 38.4
56 31.6 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.135 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

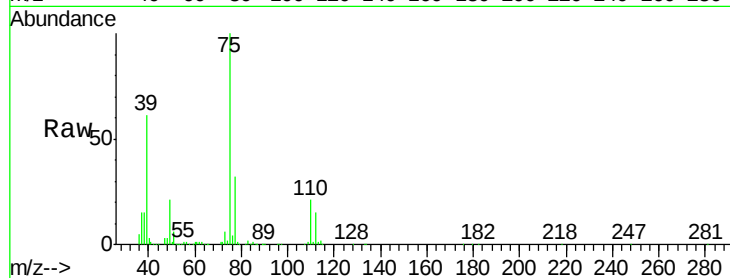
VSTDCCC010

Tgt Ion: 75 Resp: 808440

Ion Ratio Lower Upper

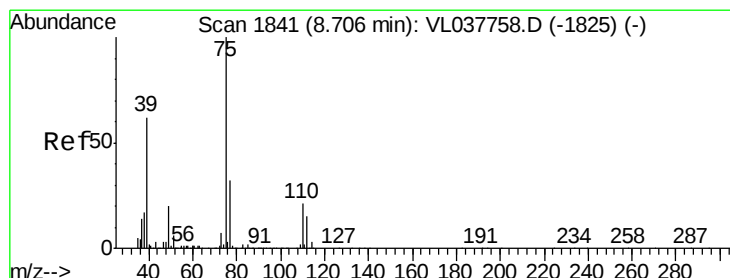
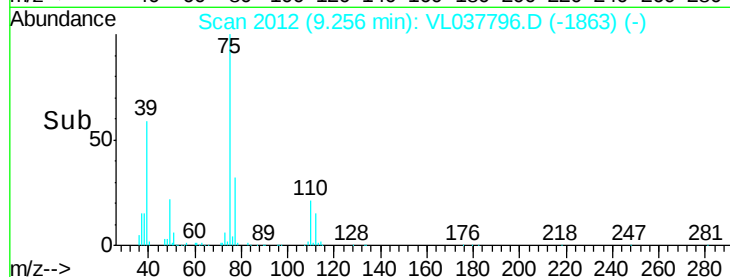
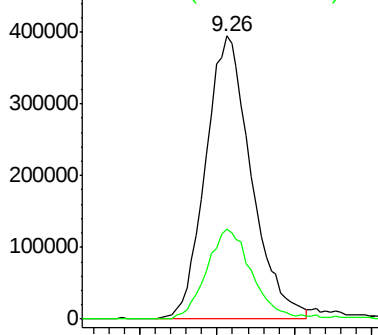
75 100

77 31.6 25.2 37.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.894 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

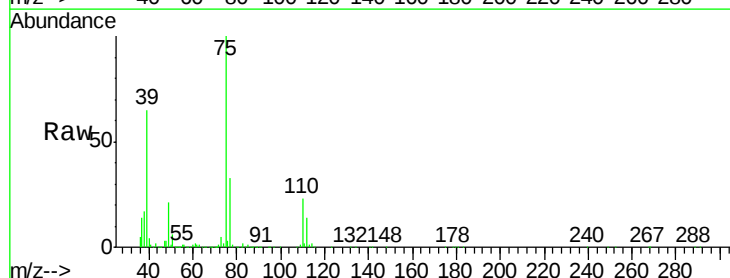
Tgt Ion: 75 Resp: 1096311

Ion Ratio Lower Upper

75 100

39 64.4 49.9 74.9

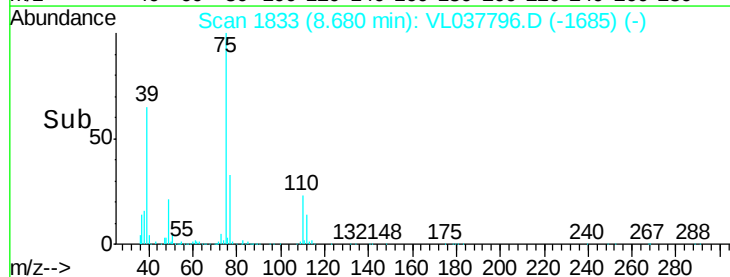
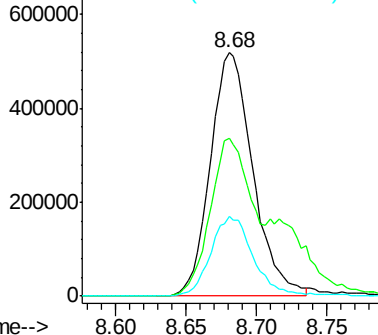
77 33.0 25.9 38.9

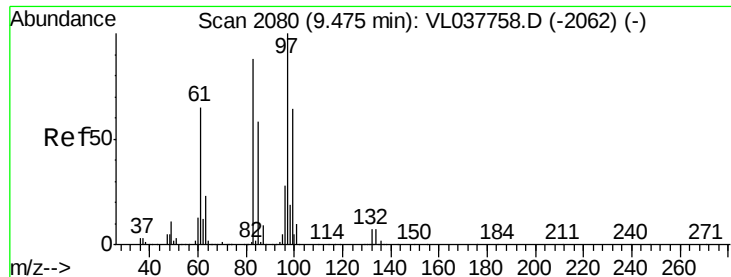


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



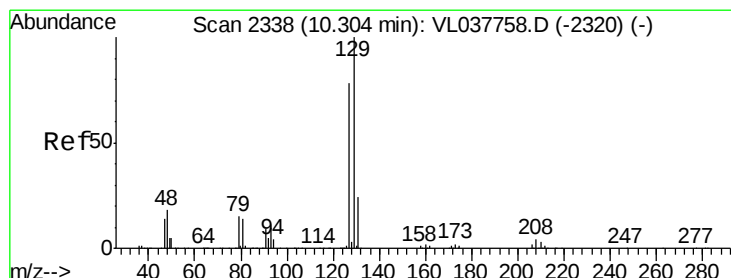
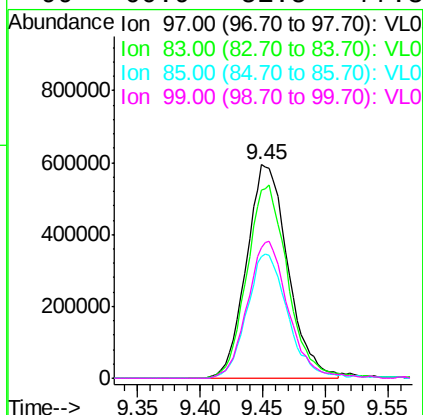
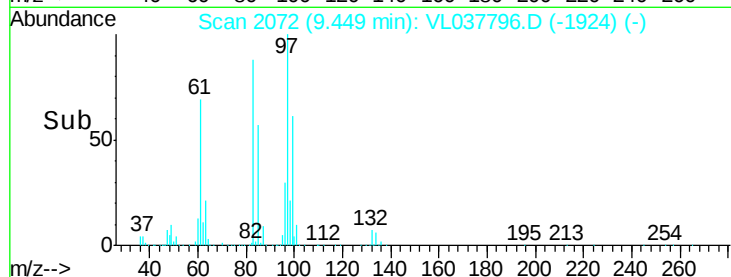
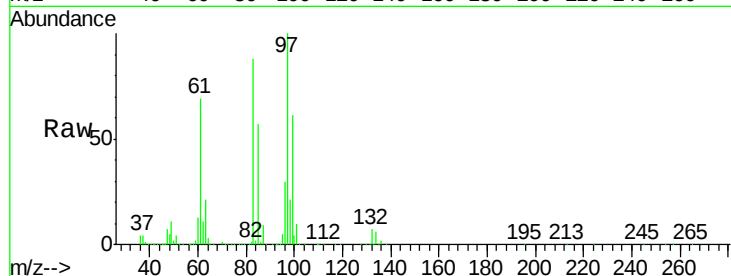


#47
 1,1,2-Trichloroethane
 Concen: 10.359 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.03 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1368451

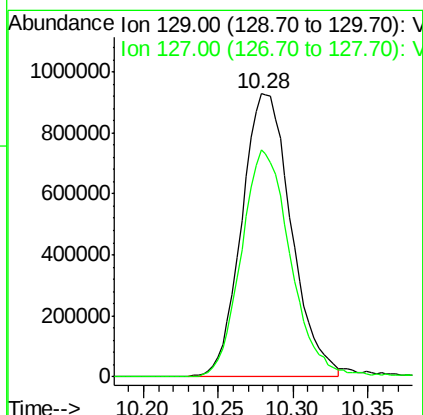
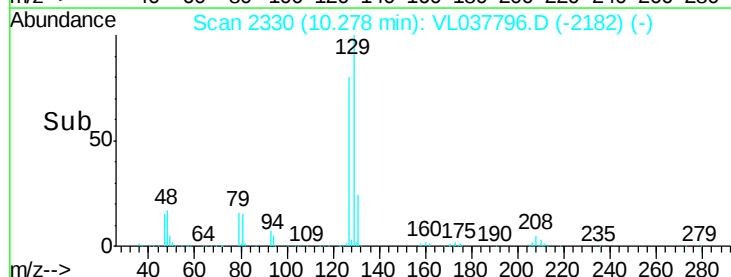
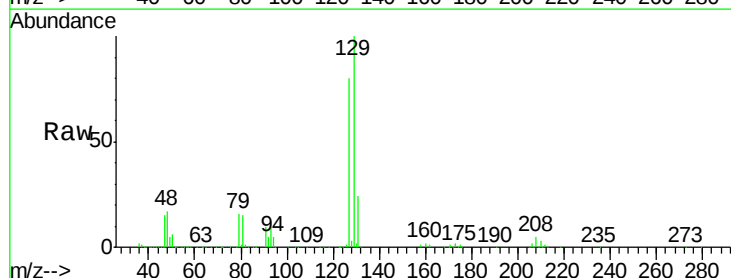
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.6	105.8
85	56.8	45.9	68.9
99	60.9	51.5	77.3

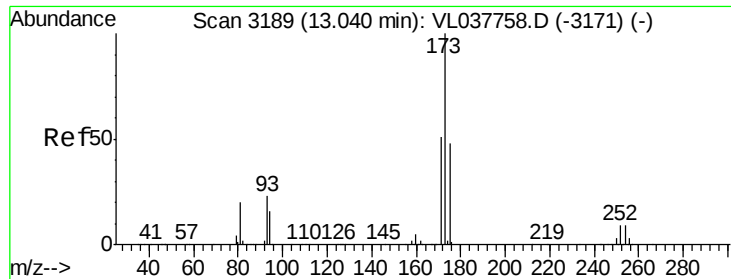


#48
 Dibromochloromethane
 Concen: 11.316 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.03 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion: 129 Resp: 2131069

Ion	Ratio	Lower	Upper
129	100		
127	80.9	39.5	118.5





#49

Bromoform

Concen: 12.634 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

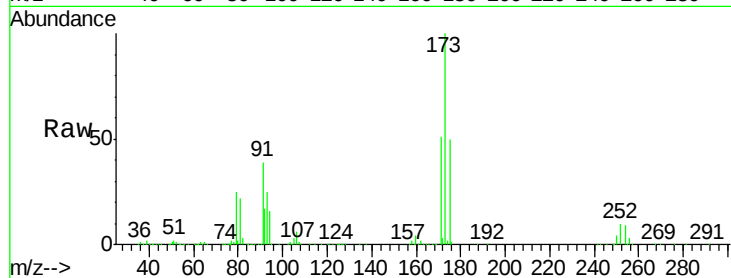
Tgt Ion:173 Resp: 1820508

Ion Ratio Lower Upper

173 100

175 49.3 39.9 59.9

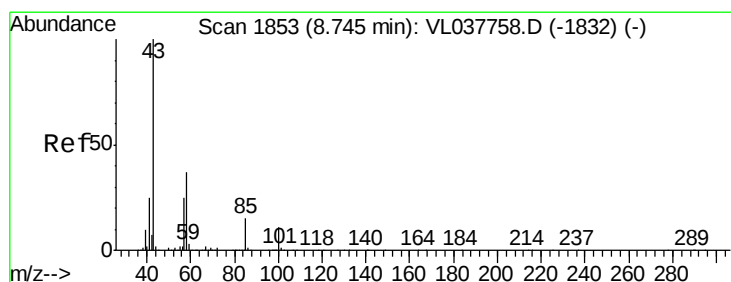
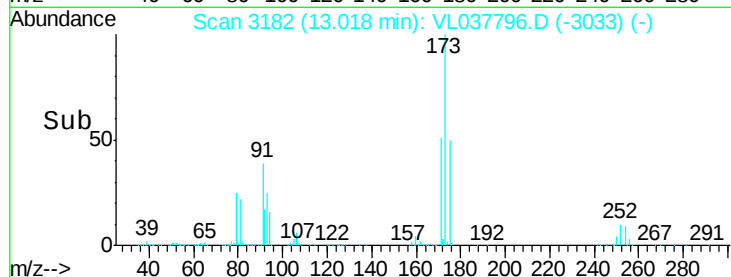
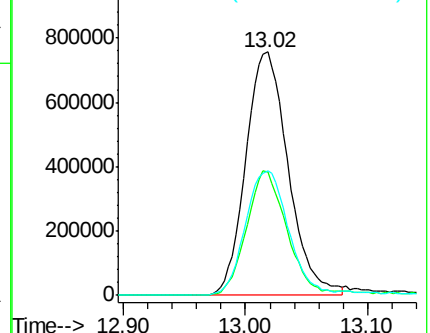
171 54.7 43.4 65.2



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: 11.197 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.03 min

Lab File: VL037796.D

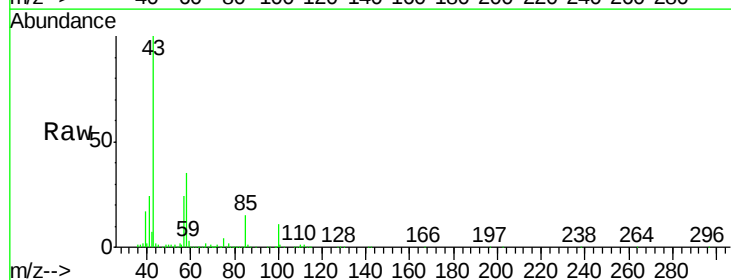
Acq: 7 Oct 2021 13:47

Tgt Ion: 43 Resp: 2225779

Ion Ratio Lower Upper

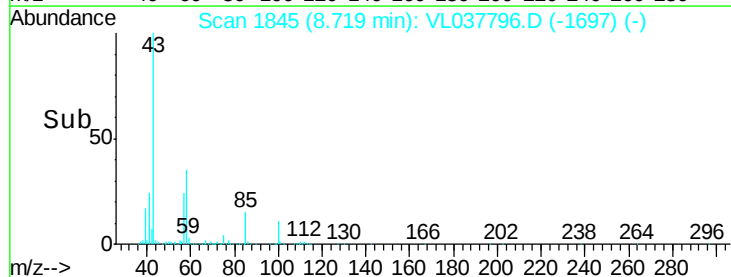
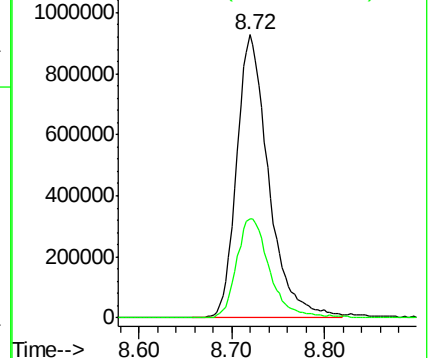
43 100

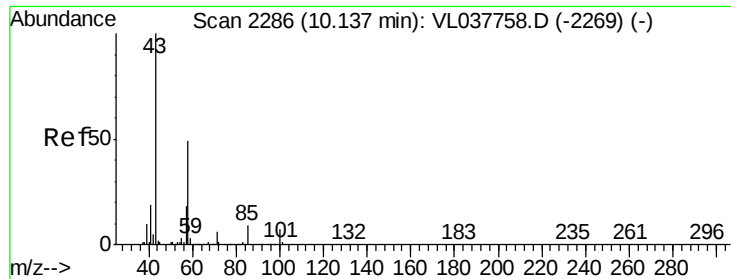
58 36.5 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

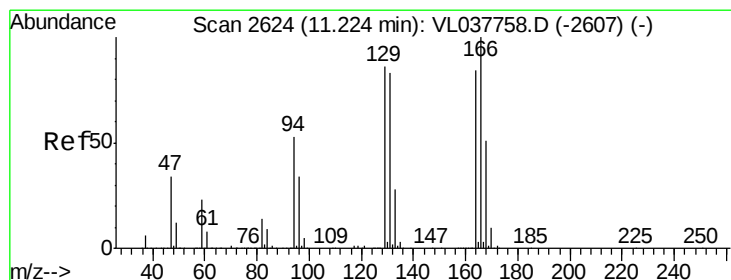
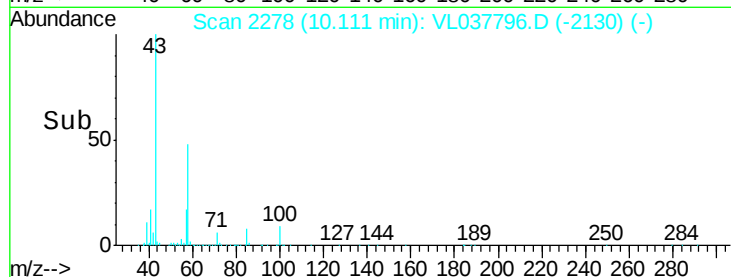
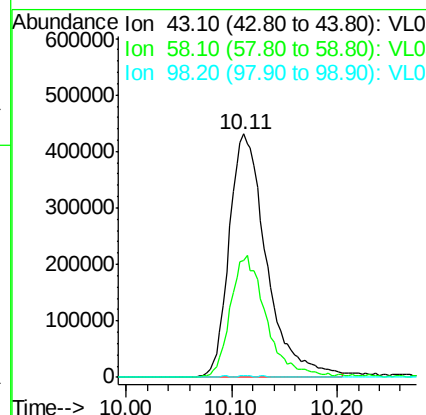
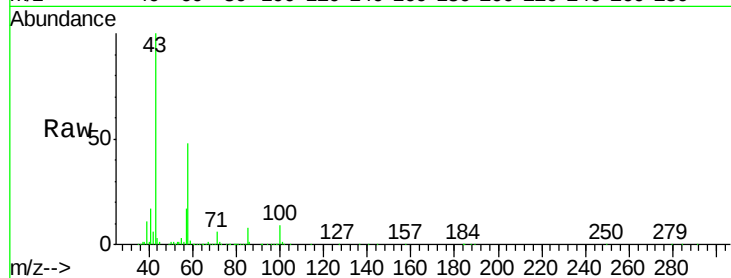




#51
2-Hexanone
Concen: 11.864 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

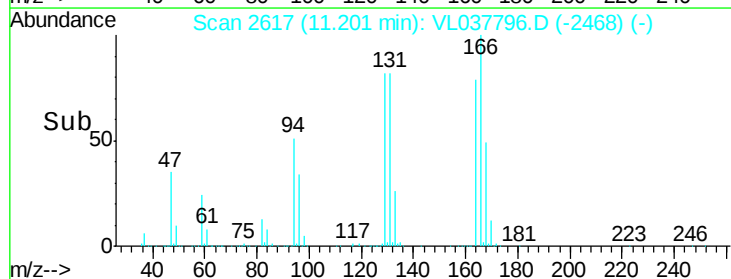
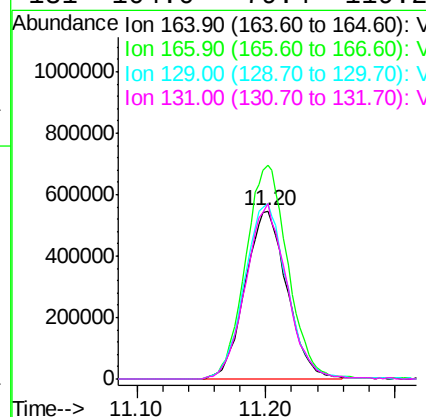
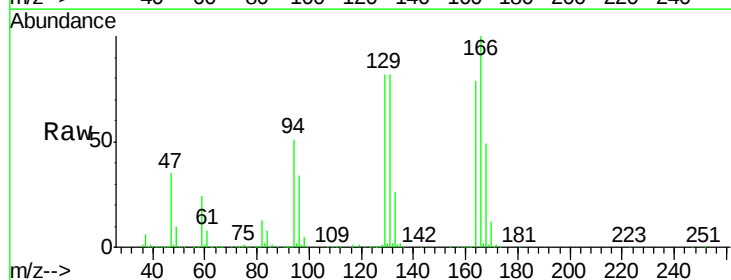
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

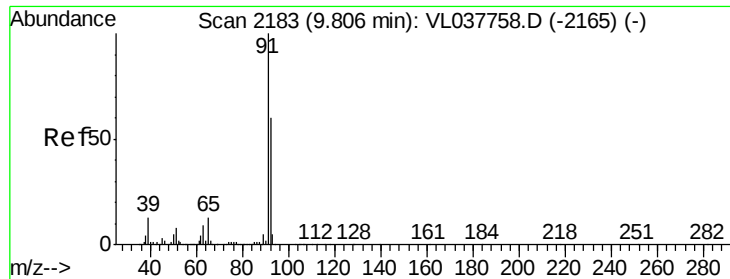
Tgt Ion: 43 Resp: 1052819
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.809 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 164 Resp: 1232965
Ion Ratio Lower Upper
164 100
166 127.1 95.4 143.2
129 104.8 82.2 123.4
131 104.0 79.4 119.2





#53

Toluene

Concen: 11.100 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

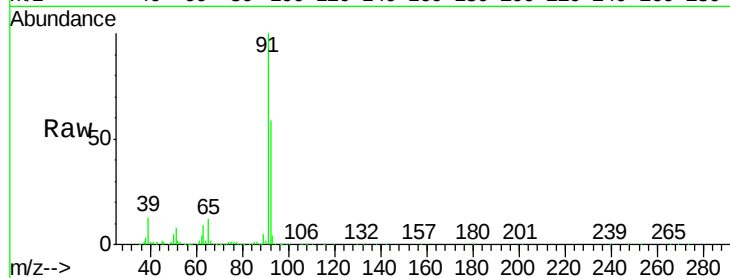
VSTDCCC010

Tgt Ion: 91 Resp: 3974187

Ion Ratio Lower Upper

91 100

92 59.4 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.79

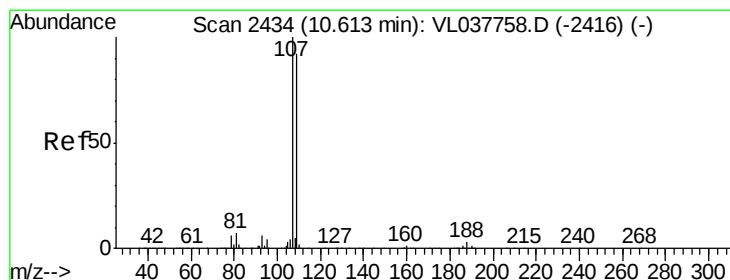
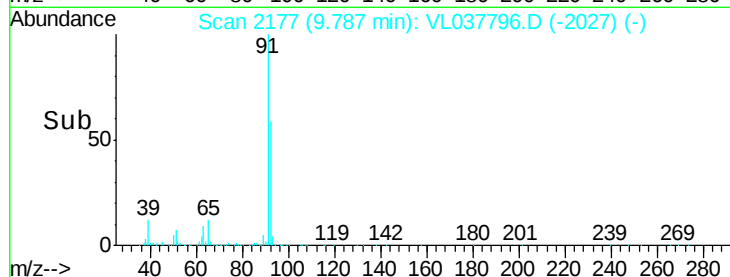
1500000

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 10.746 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.03 min

Lab File: VL037796.D

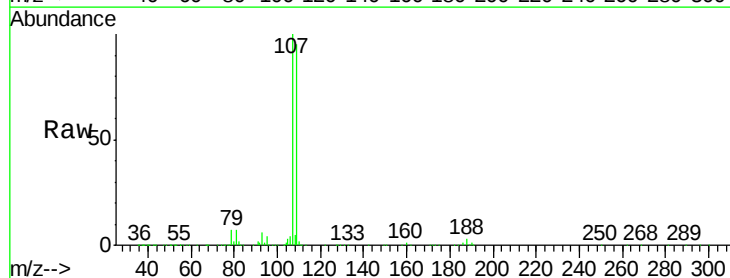
Acq: 7 Oct 2021 13:47

Tgt Ion: 107 Resp: 1917564

Ion Ratio Lower Upper

107 100

109 94.5 73.8 110.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.59

1000000

800000

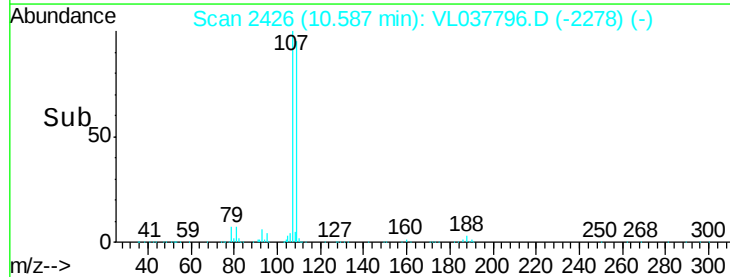
600000

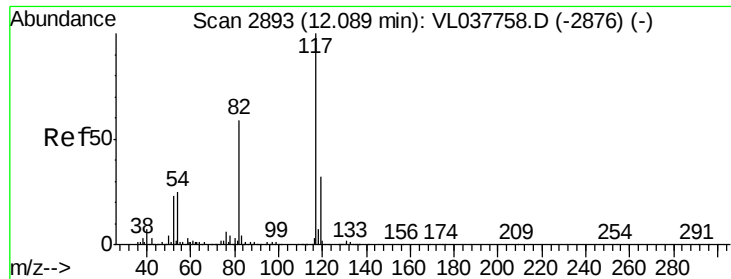
400000

200000

0

Time-->

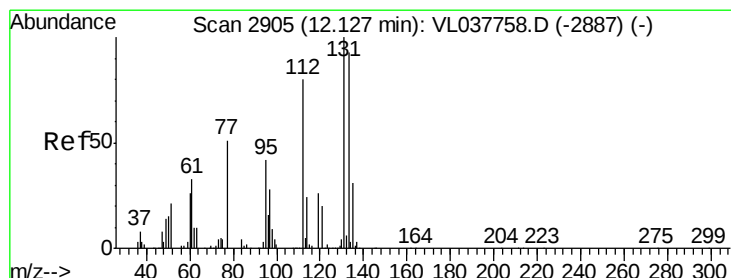
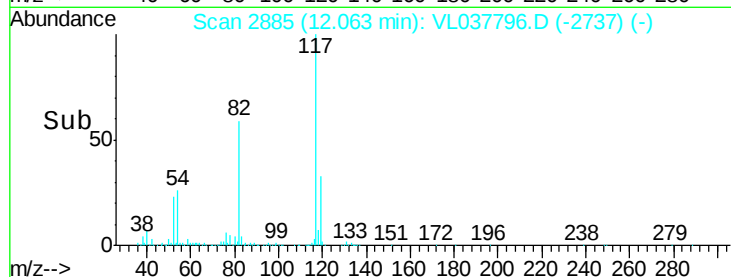
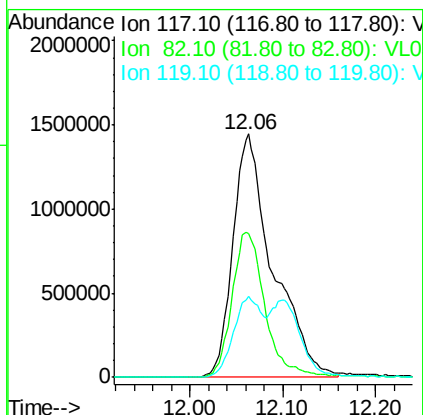
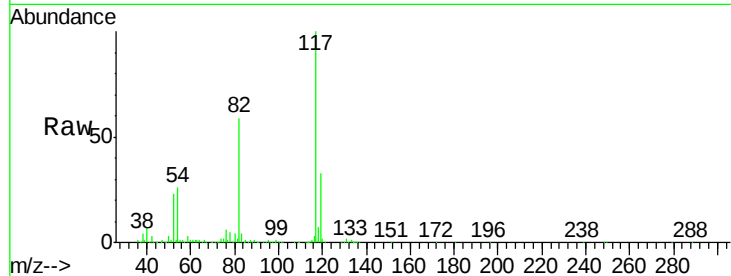




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

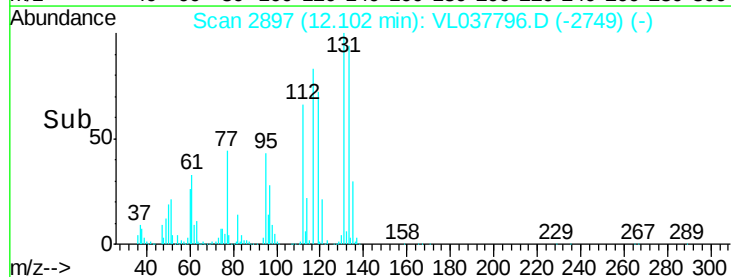
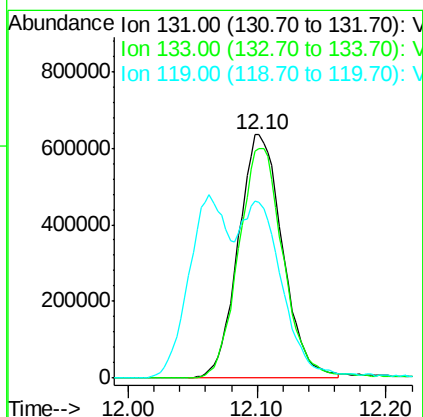
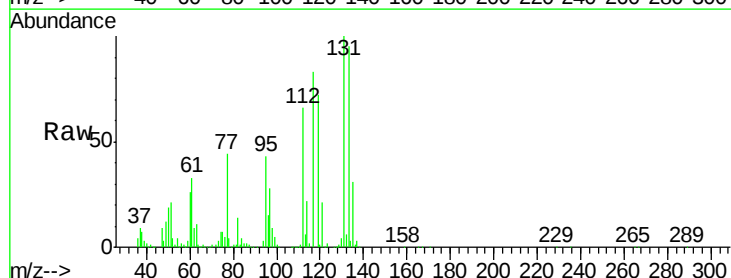
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

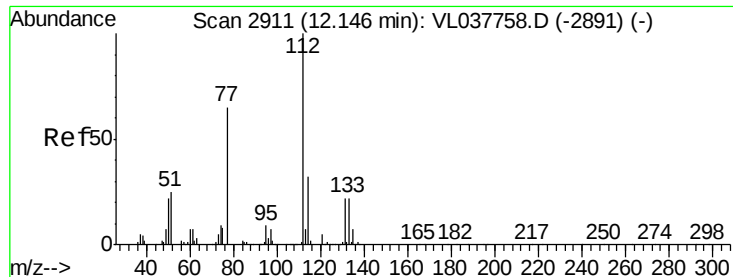
Tgt Ion:117 Resp: 4327703
Ion Ratio Lower Upper
117 100
82 49.9 52.2 78.2#
119 22.7 26.0 39.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.433 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion:131 Resp: 1510717
Ion Ratio Lower Upper
131 100
133 97.1 78.5 117.7
119 64.0 51.7 77.5





#57

Chlorobenzene

Concen: 8.098 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

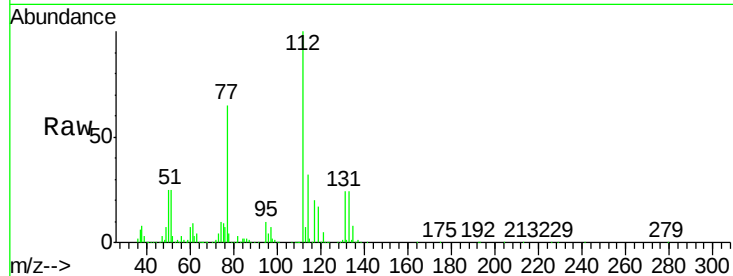
Tgt Ion: 112 Resp: 2875003

Ion Ratio Lower Upper

112 100

77 64.3 51.8 77.8

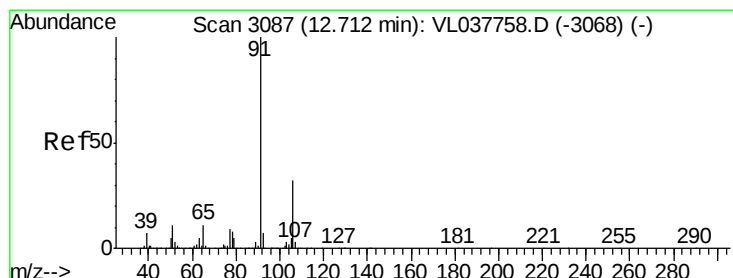
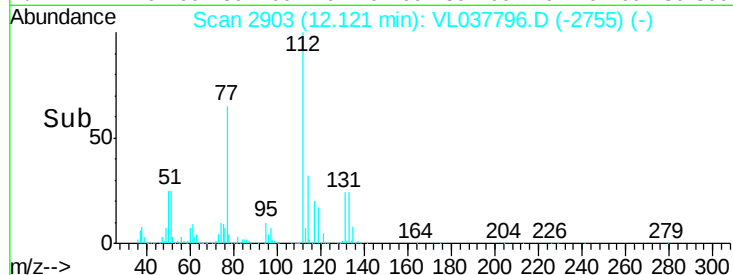
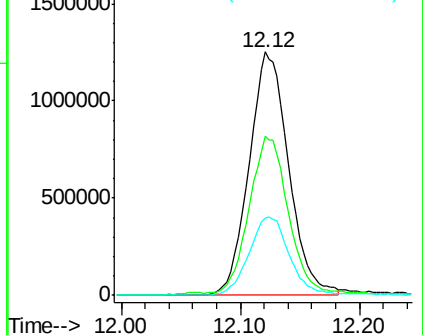
114 31.5 28.8 35.2



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: 8.813 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.03 min

Lab File: VL037796.D

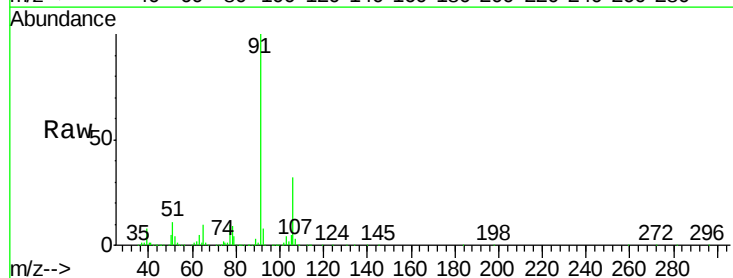
Acq: 7 Oct 2021 13:47

Tgt Ion: 91 Resp: 5121676

Ion Ratio Lower Upper

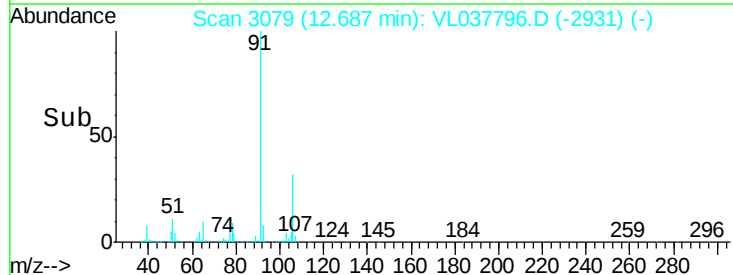
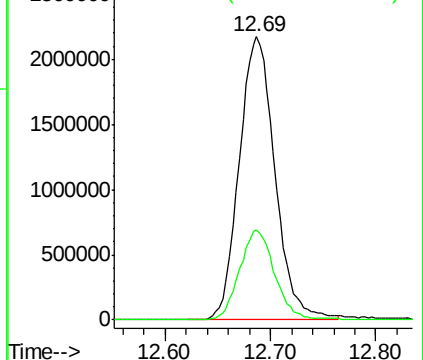
91 100

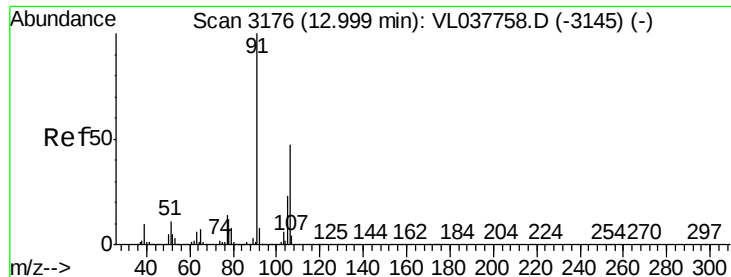
106 31.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

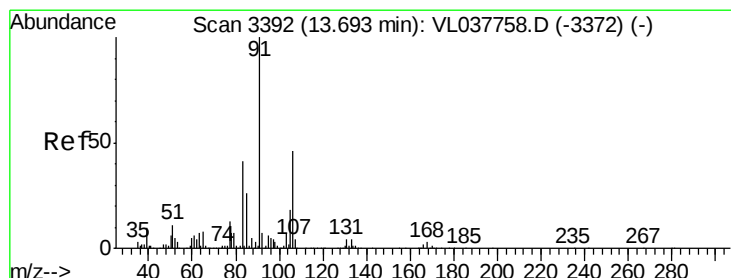
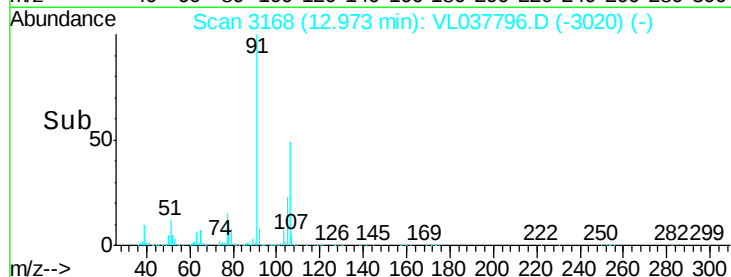
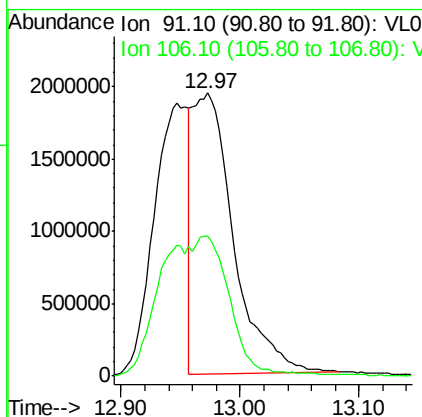
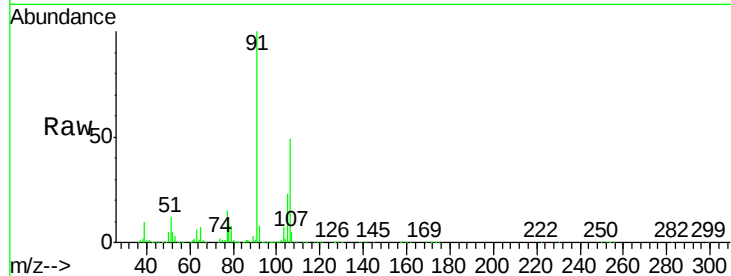




#59
m/p-Xylene
Concen: 9.249 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

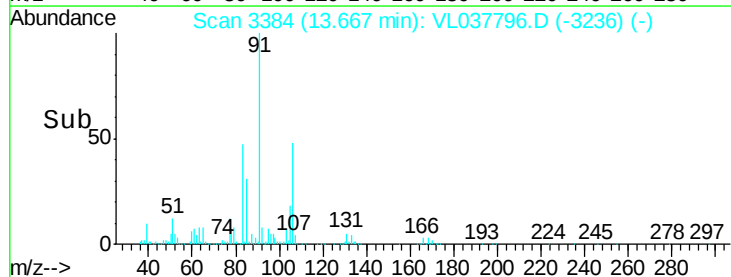
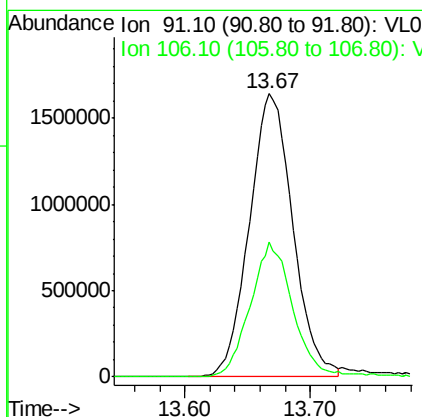
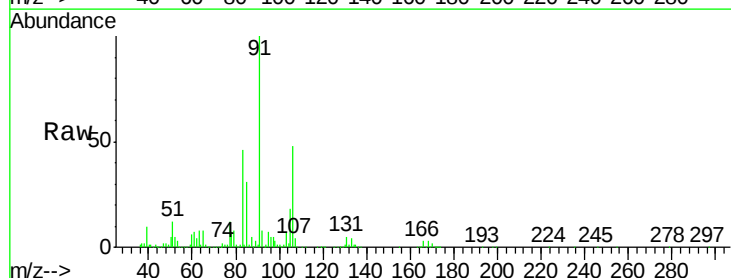
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

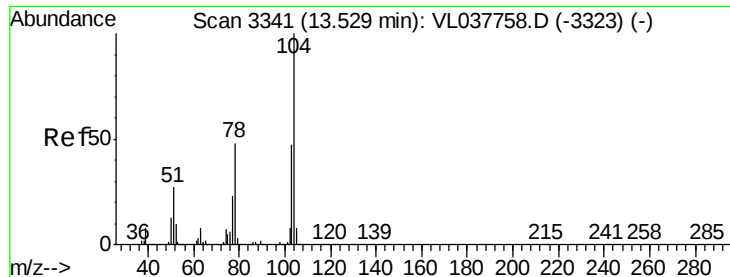
Tgt Ion: 91 Resp: 4613605
Ion Ratio Lower Upper
91 100
106 84.8 36.7 55.1#



#60
o-Xylene
Concen: 8.248 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 91 Resp: 3942928
Ion Ratio Lower Upper
91 100
106 47.5 23.5 70.5

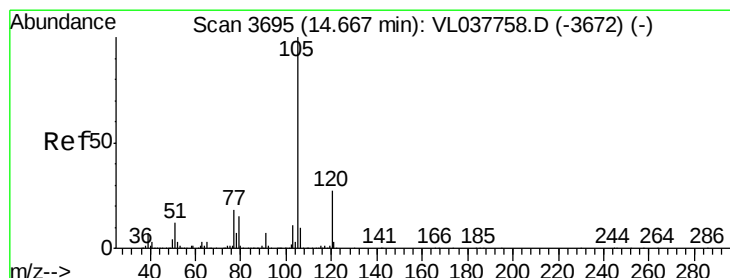
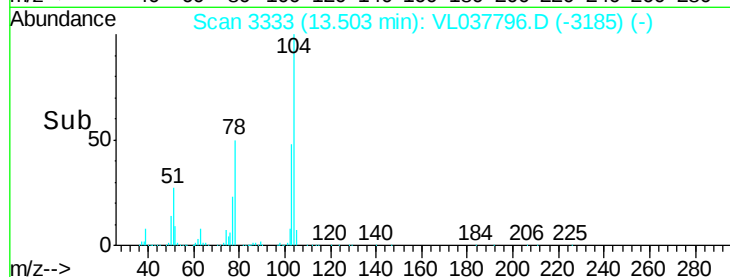
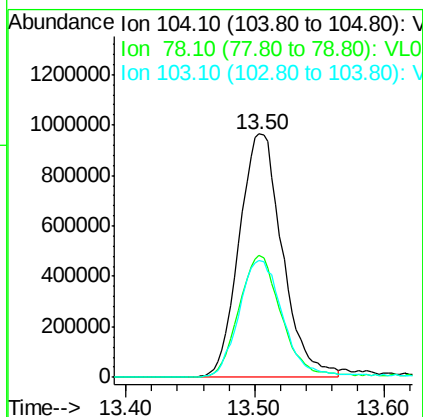
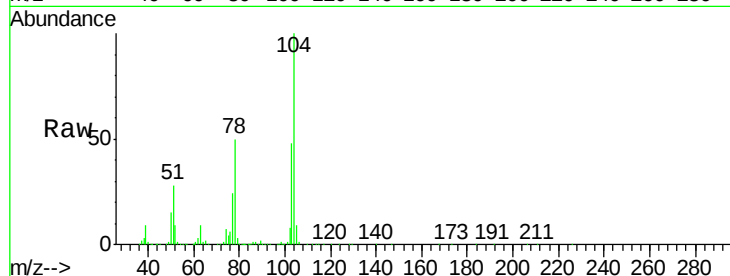




#61
Styrene
Concen: 9.722 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

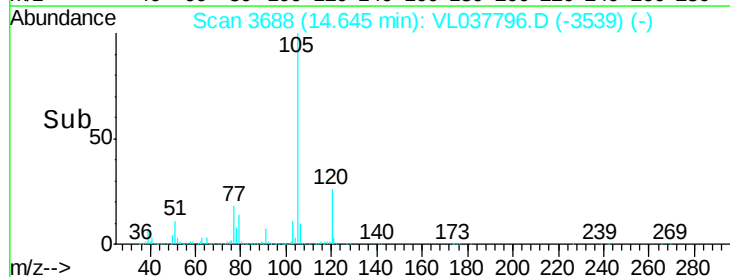
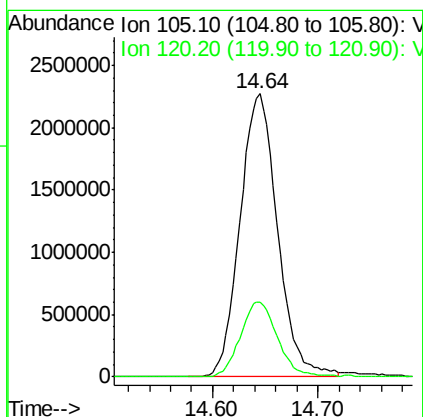
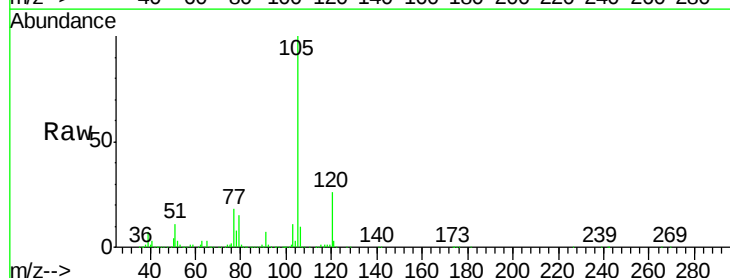
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

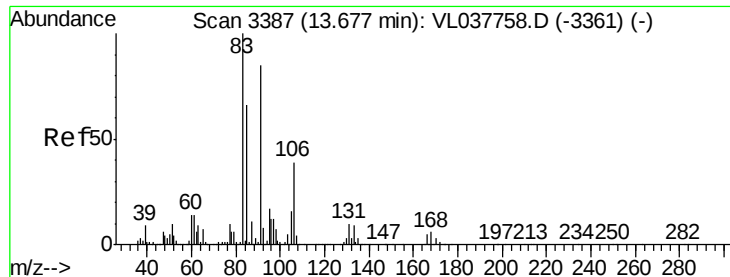
Tgt Ion:104 Resp: 2248070
Ion Ratio Lower Upper
104 100
78 50.0 40.6 61.0
103 49.4 39.6 59.4



#62
Isopropylbenzene
Concen: 8.443 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion:105 Resp: 5629915
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9

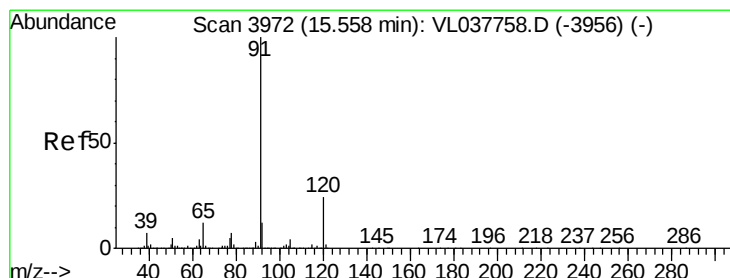
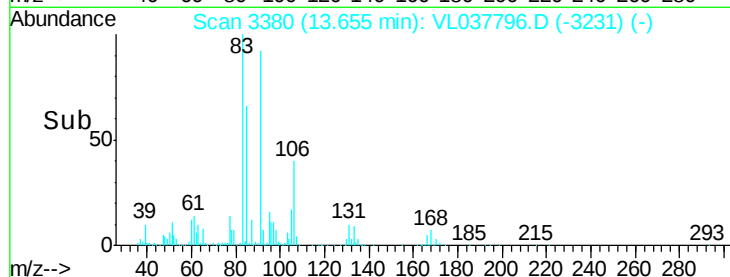
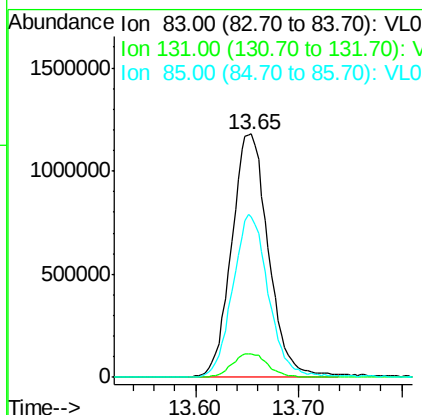
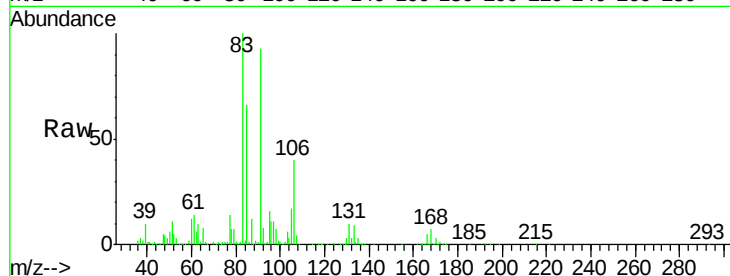




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.909 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

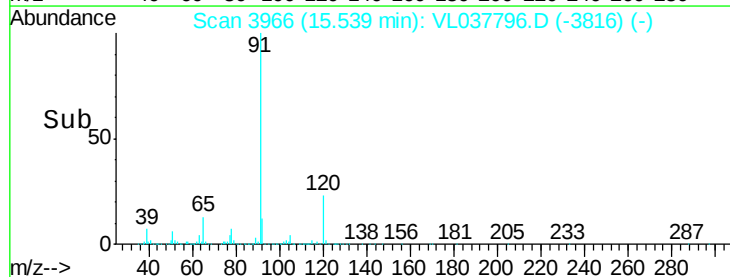
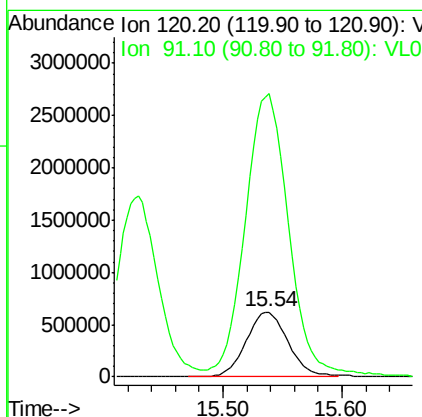
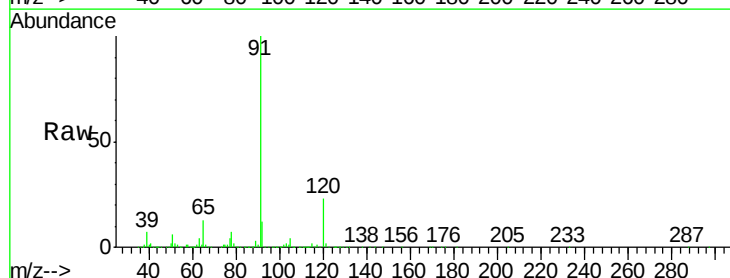
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

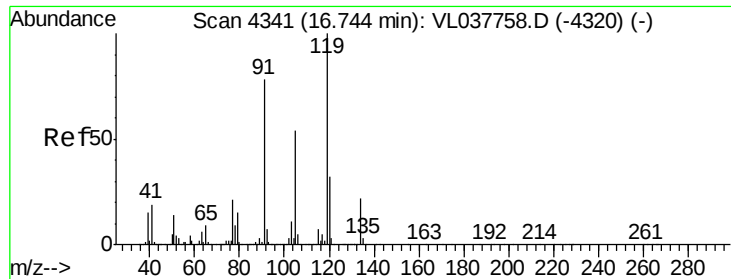
Tgt Ion: 83 Resp: 2917646
 Ion Ratio Lower Upper
 83 100
 131 9.7 5.0 15.0
 85 66.2 33.1 99.5



#64
 n-propylbenzene
 Concen: 9.094 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion: 120 Resp: 1512072
 Ion Ratio Lower Upper
 120 100
 91 457.2 375.0 562.6

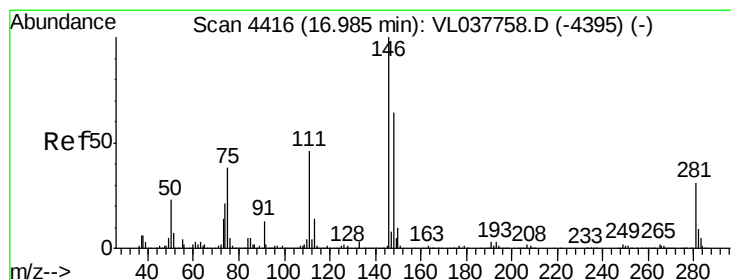
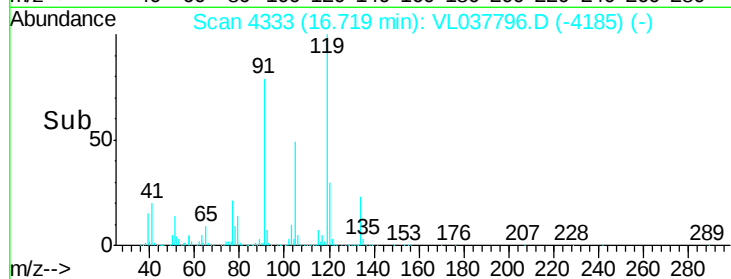
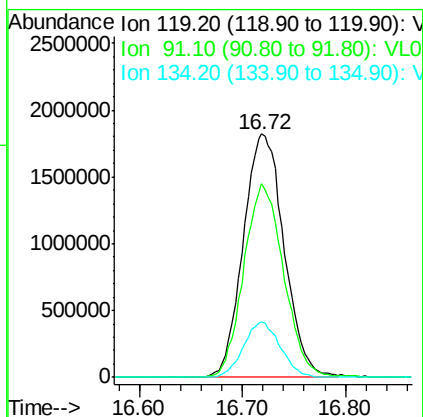
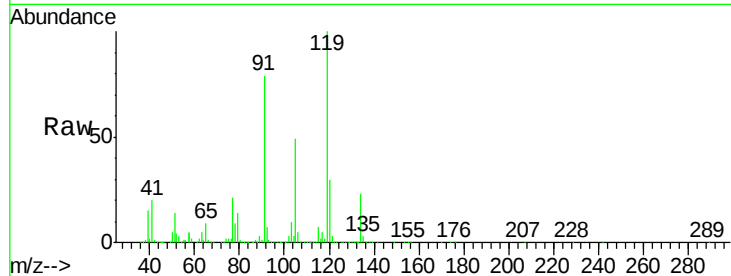




#65
tert-Butylbenzene
Concen: 8.499 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

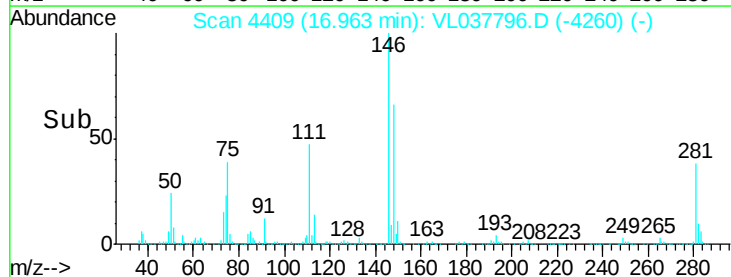
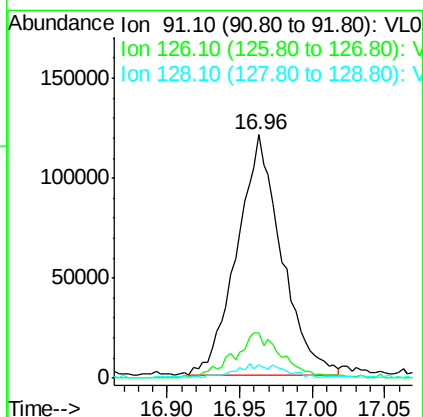
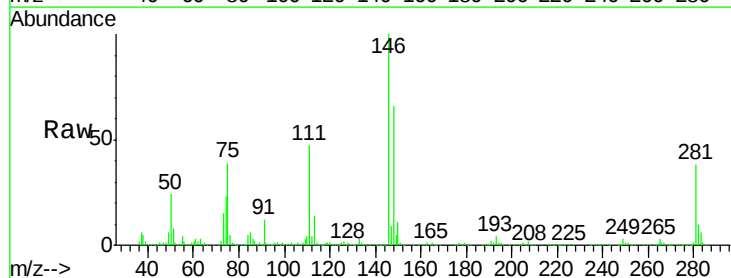
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

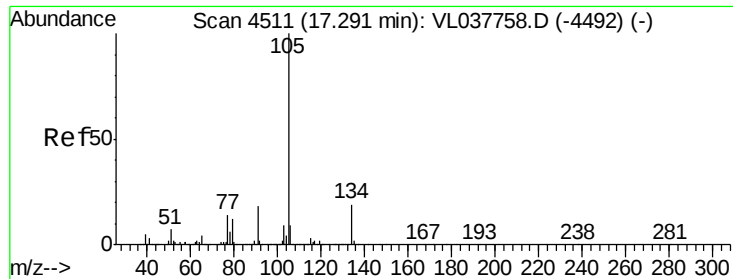
Tgt Ion: 119 Resp: 4986905
Ion Ratio Lower Upper
119 100
91 78.2 62.6 94.0
134 20.8 16.3 24.5



#66
Benzyl Chloride
Concen: 8.921 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 91 Resp: 258355
Ion Ratio Lower Upper
91 100
126 21.1 0.0 0.0#
128 6.8 5.3 7.9

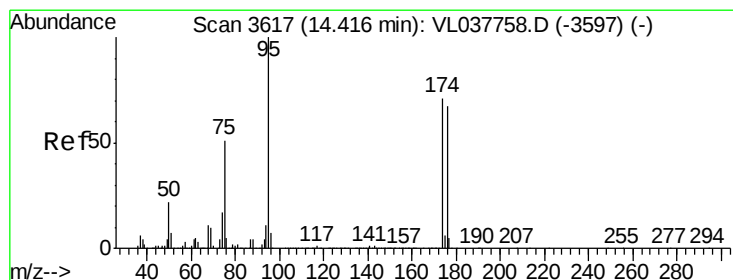
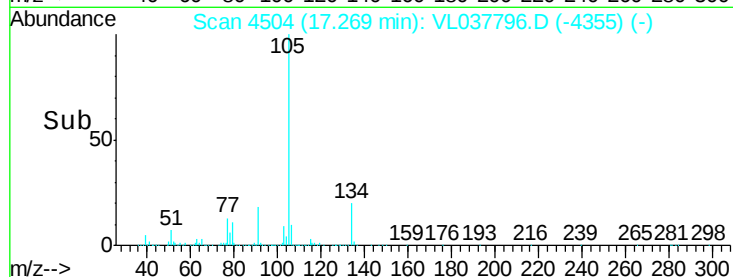
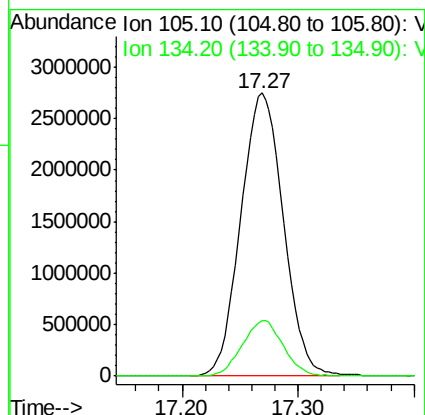
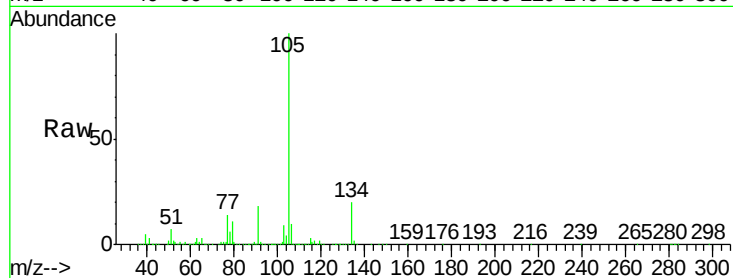




#67
 sec-Butylbenzene
 Concen: 8.718 ppbv
 RT: 17.27 min Scan# 4504
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

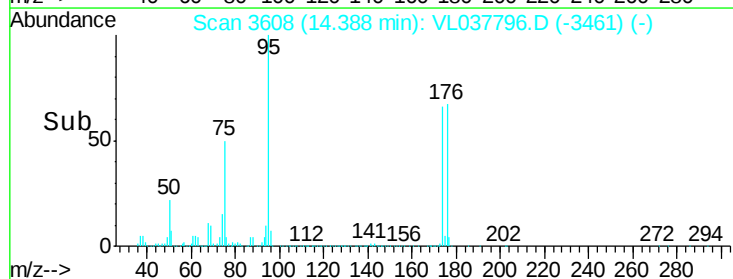
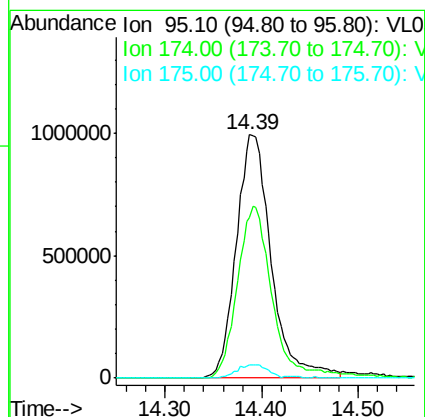
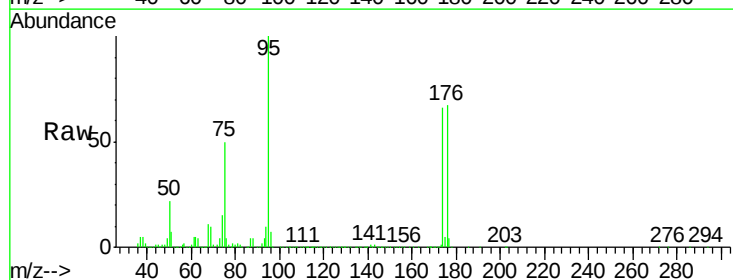
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

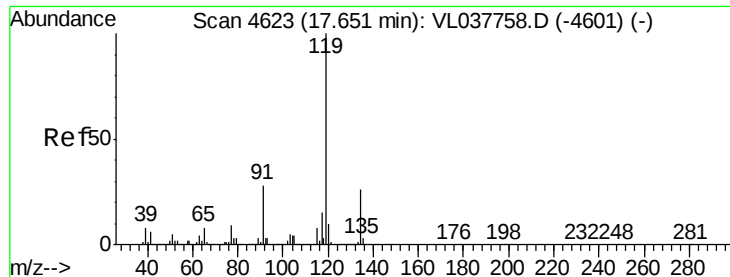
Tgt Ion: 105 Resp: 6996679
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.257 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.03 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion: 95 Resp: 2498943
 Ion Ratio Lower Upper
 95 100
 174 71.5 57.8 86.6
 175 5.4 4.7 7.1

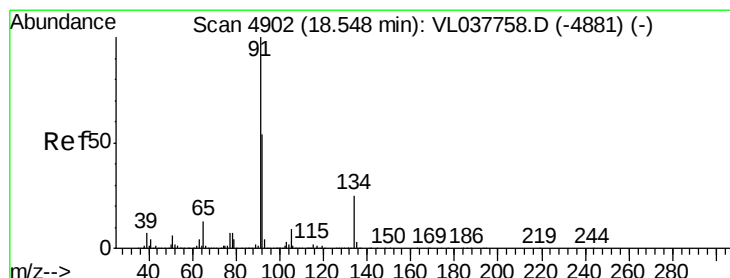
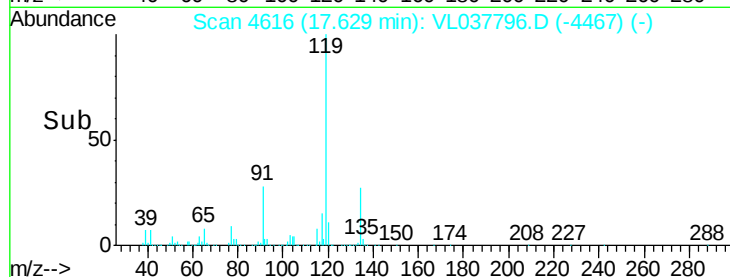
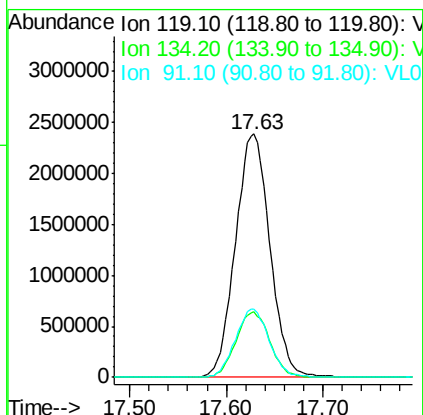
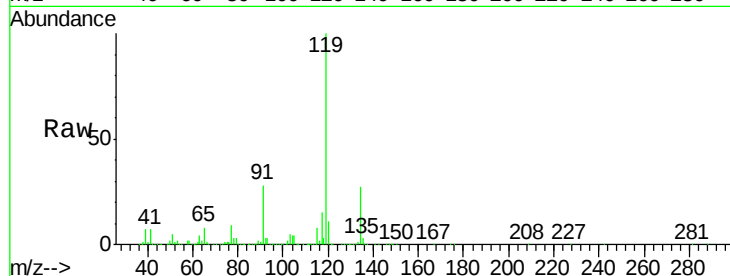




#69
p-Isopropyltoluene
Concen: 9.105 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

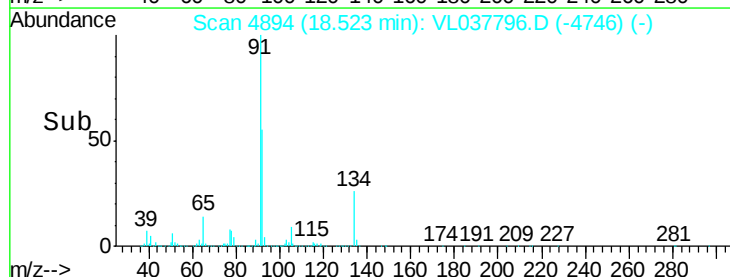
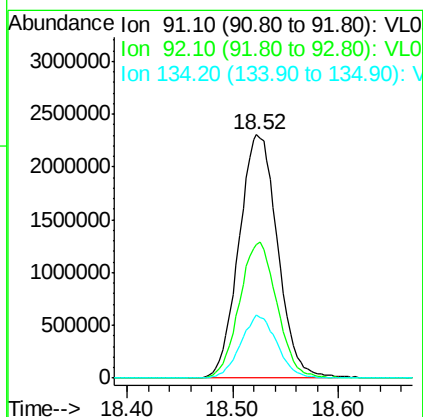
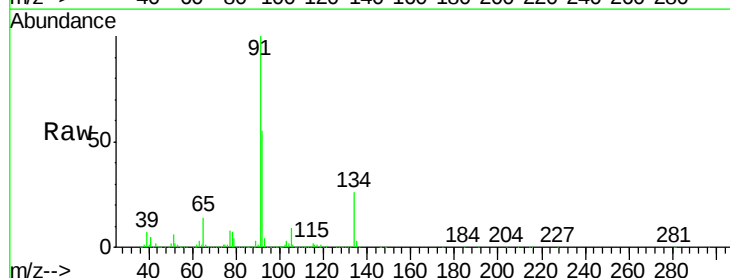
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

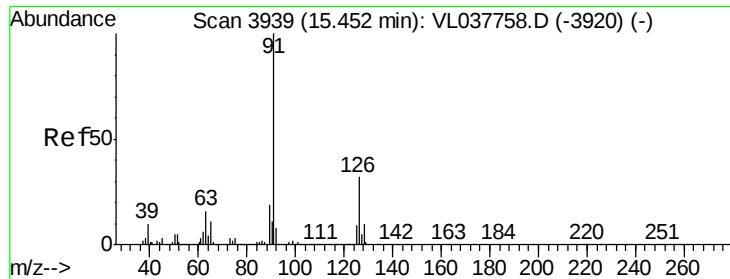
Tgt Ion: 119 Resp: 5907567
Ion Ratio Lower Upper
119 100
134 26.7 21.2 31.8
91 27.5 22.2 33.4



#70
n-Butylbenzene
Concen: 9.508 ppbv
RT: 18.52 min Scan# 4894
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 91 Resp: 5860617
Ion Ratio Lower Upper
91 100
92 54.6 43.4 65.0
134 24.5 19.8 29.6





#71

2-Chlorotoluene

Concen: 8.985 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

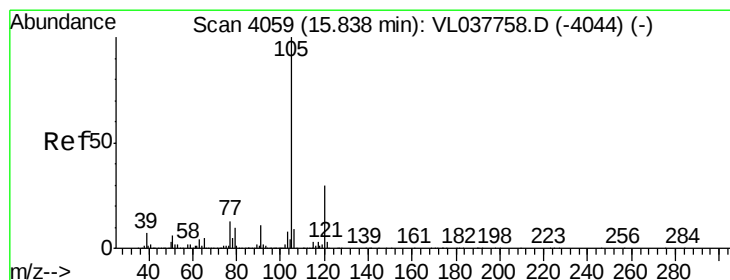
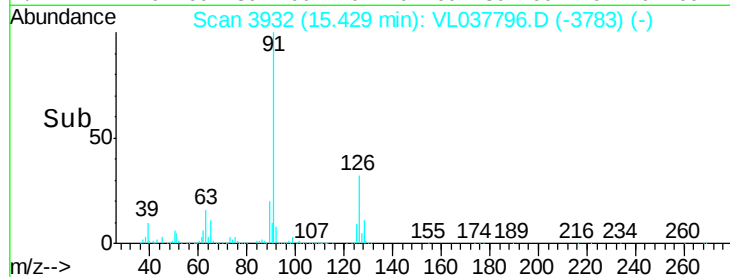
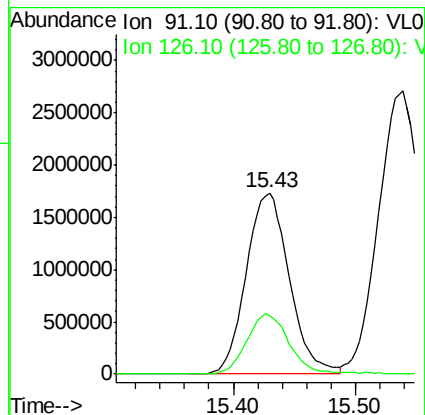
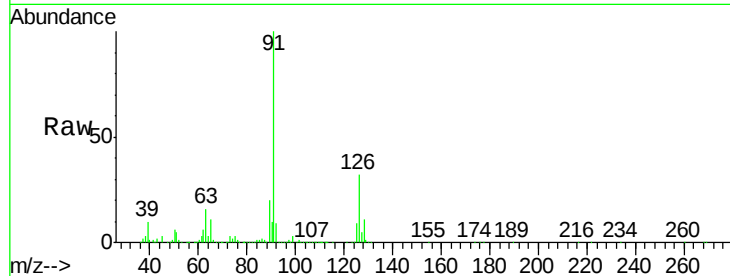
VSTDCCC010

Tgt Ion: 91 Resp: 4230679

Ion Ratio Lower Upper

91 100

126 33.3 13.6 54.6



#72

4-Ethyltoluene

Concen: 9.348 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Tgt Ion: 105 Resp: 5074232

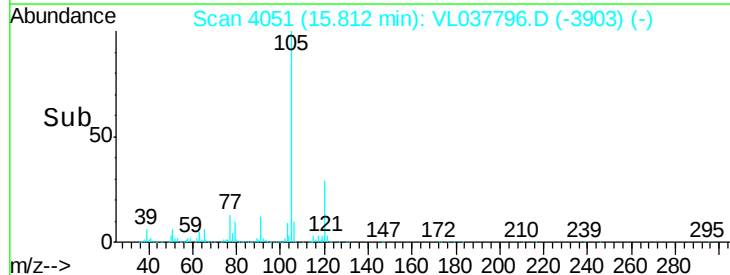
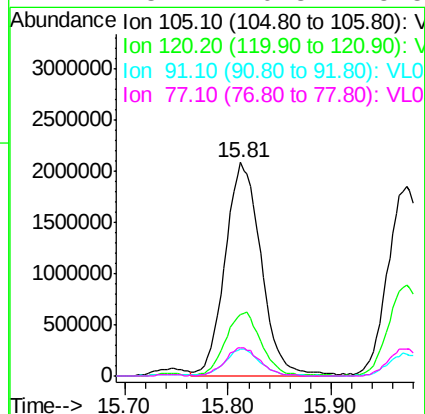
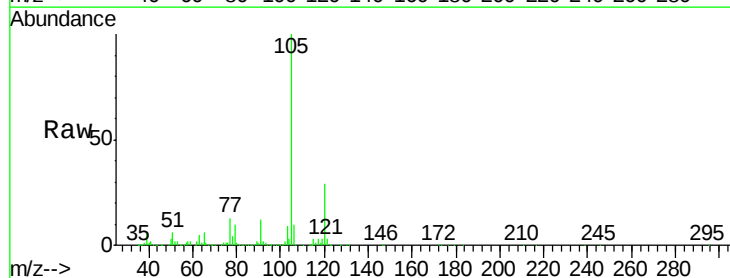
Ion Ratio Lower Upper

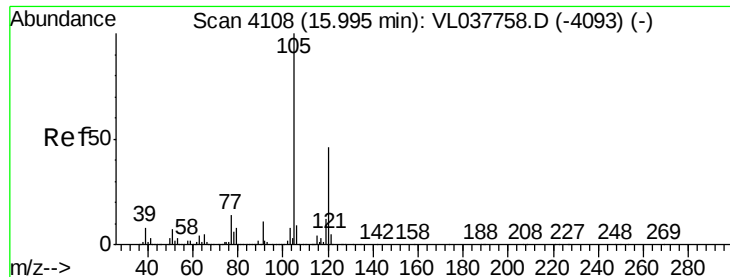
105 100

120 29.8 24.2 36.2

91 11.8 10.4 15.6

77 13.1 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 9.121 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

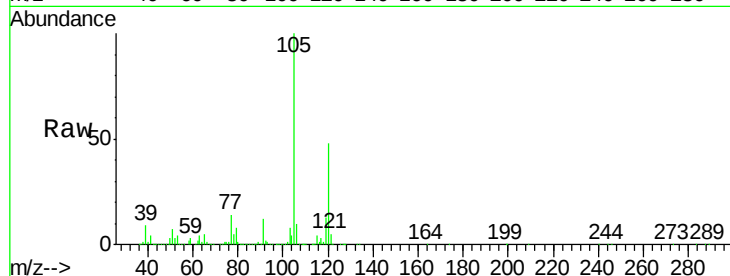
VSTDCCC010

Tgt Ion:105 Resp: 4497108

Ion Ratio Lower Upper

105 100

120 48.1 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

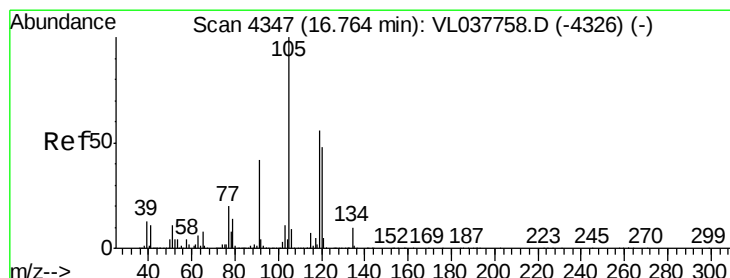
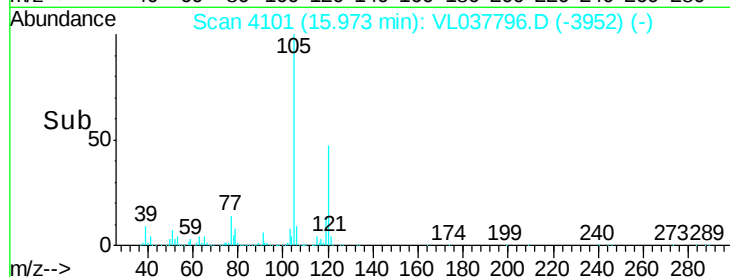
0

15.90

15.97

16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.836 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Tgt Ion:105 Resp: 4575030

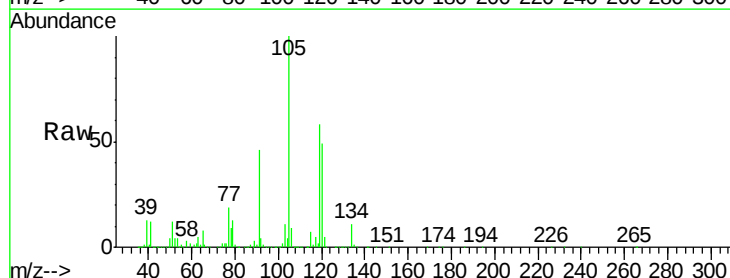
Ion Ratio Lower Upper

105 100

120 48.6 38.4 57.6

91 45.1 34.2 51.2

77 19.4 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

3000000

2500000

2000000

1500000

1000000

500000

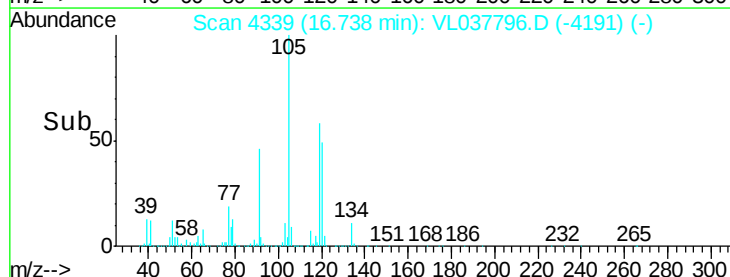
0

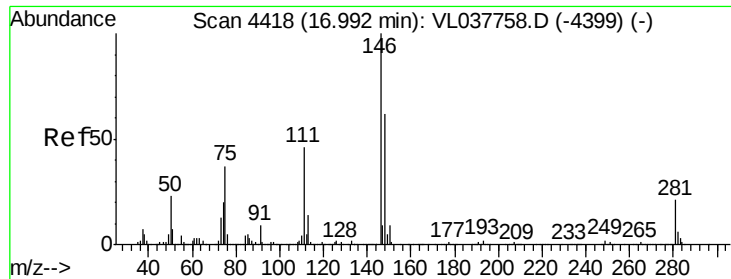
16.70

16.74

16.80

Time-->

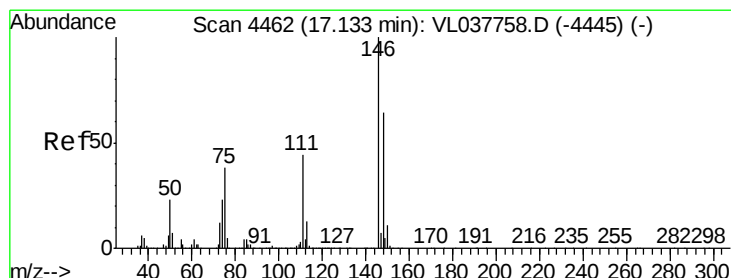
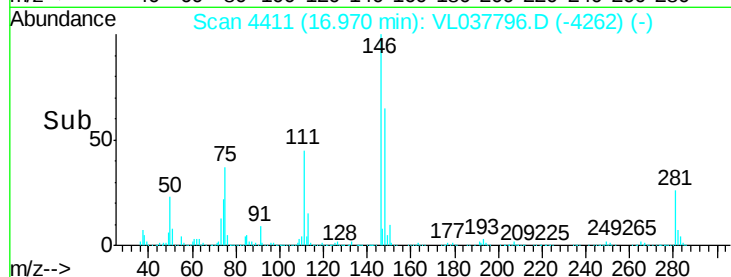
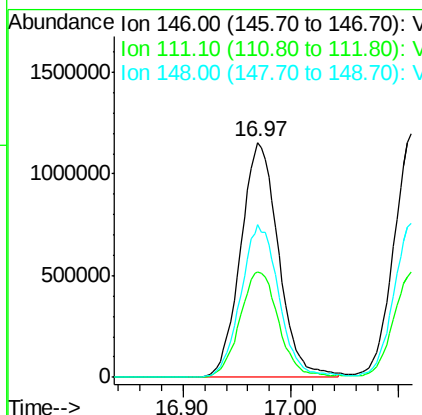
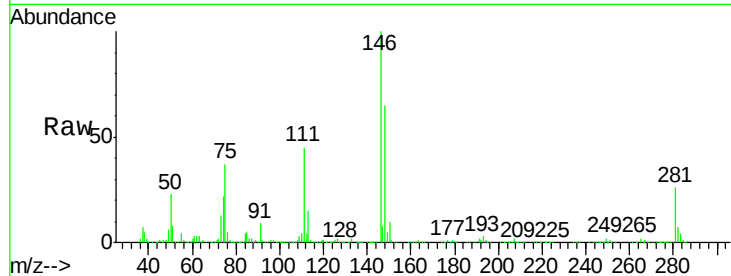




#75
 1,3-Dichlorobenzene
 Concen: 8.791 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

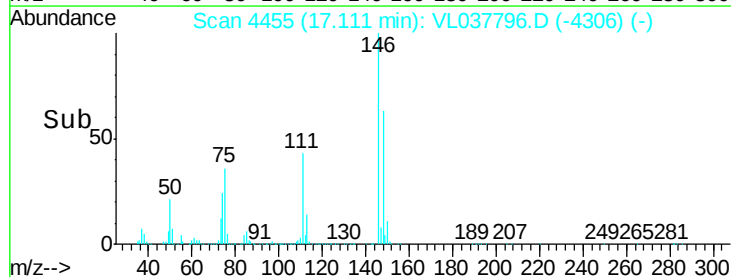
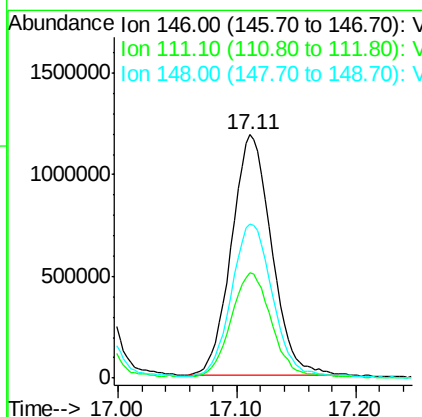
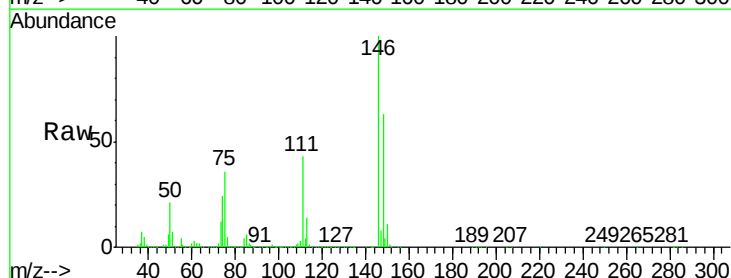
Instrument :
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 ClientSampleId :
 VSTDCCC010

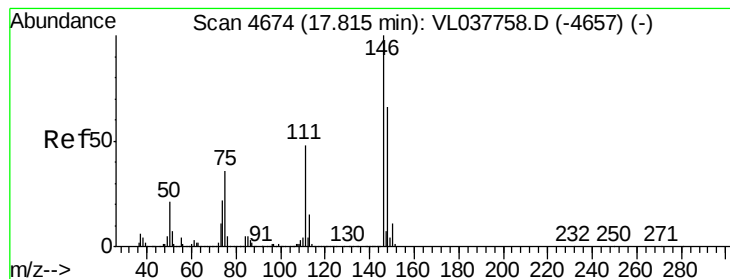
Tgt Ion:146 Resp: 2820081
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.8 68.4
 148 65.6 32.8 98.3



#76
 1,4-Dichlorobenzene
 Concen: 9.055 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion:146 Resp: 2771074
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.4 67.3
 148 66.4 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 8.980 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

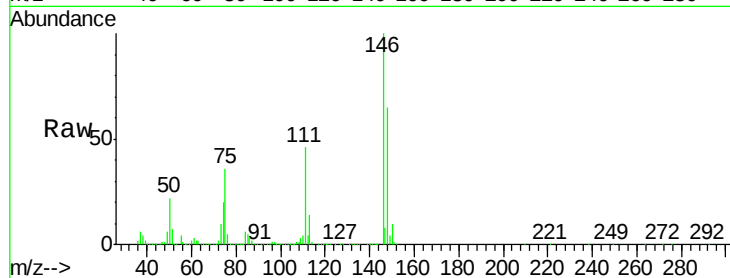
Tgt Ion:146 Resp: 2767099

Ion Ratio Lower Upper

146 100

111 46.5 23.6 70.8

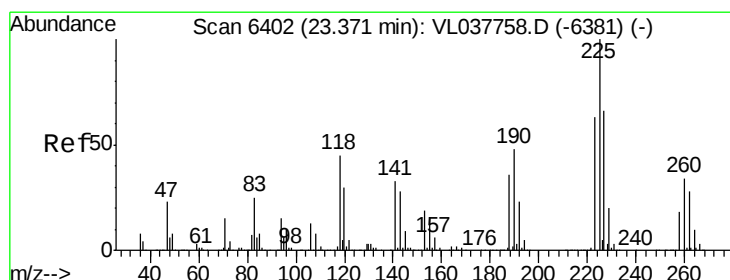
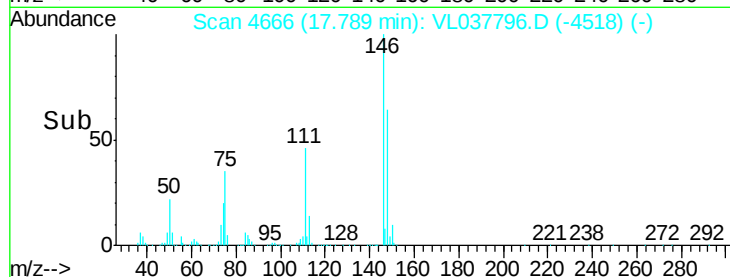
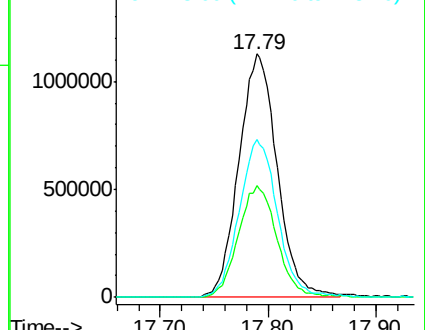
148 64.9 32.9 98.6



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: 8.088 ppbv

RT: 23.35 min Scan# 6394

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

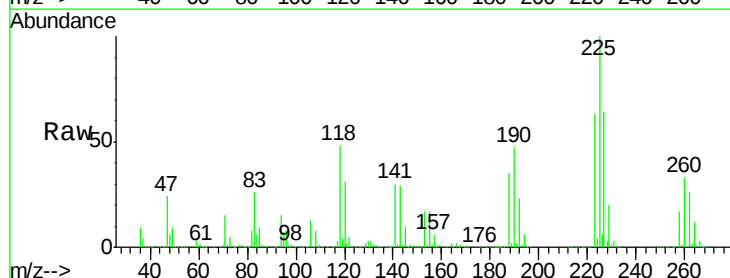
Tgt Ion:225 Resp: 2035036

Ion Ratio Lower Upper

225 100

223 64.6 51.2 76.8

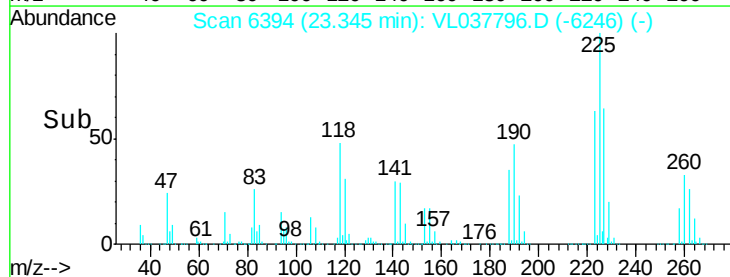
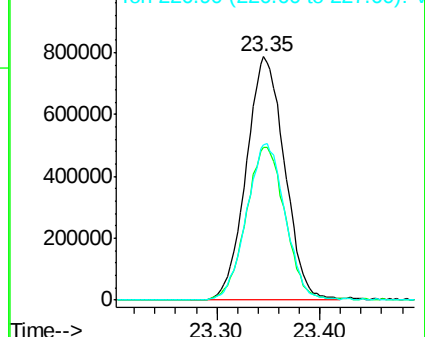
227 65.0 51.1 76.7

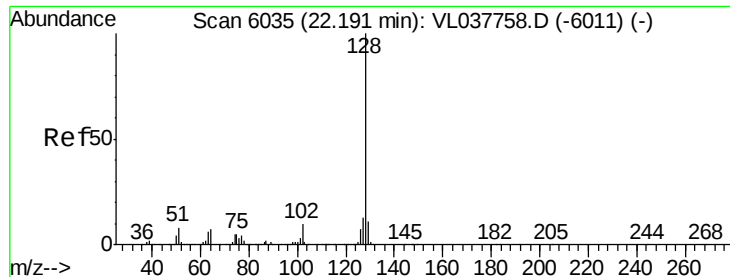


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.781 ppbv

RT: 22.16 min Scan# 6025

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

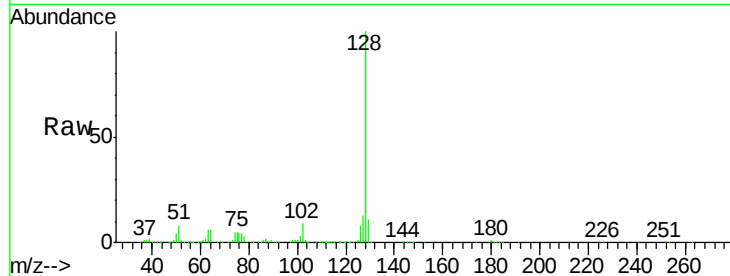
Tgt Ion:128 Resp: 3418791

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

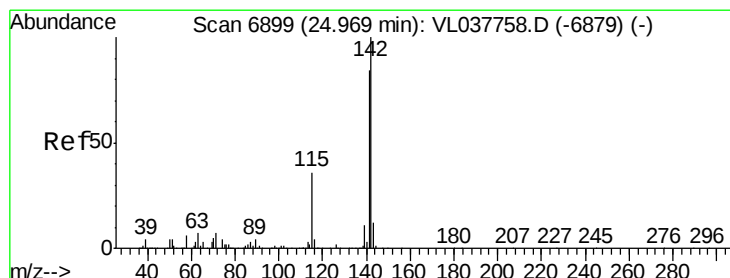
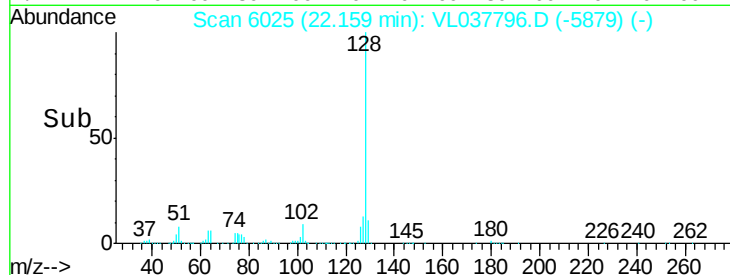
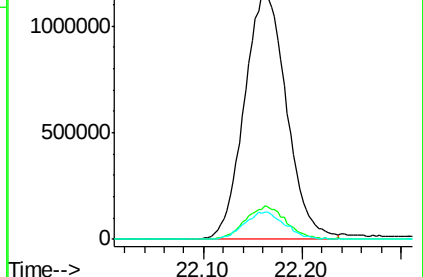
129 10.8 9.1 13.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.691 ppbv

RT: 24.95 min Scan# 6892

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

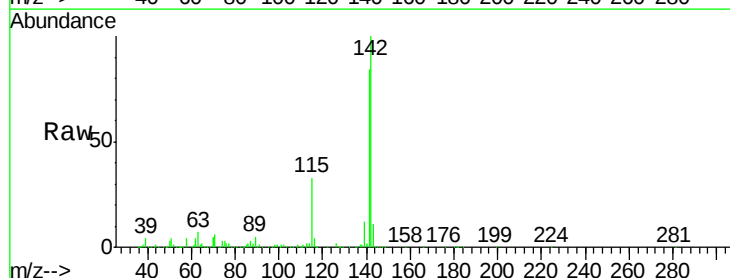
Tgt Ion:142 Resp: 910286

Ion Ratio Lower Upper

142 100

141 85.0 68.6 102.8

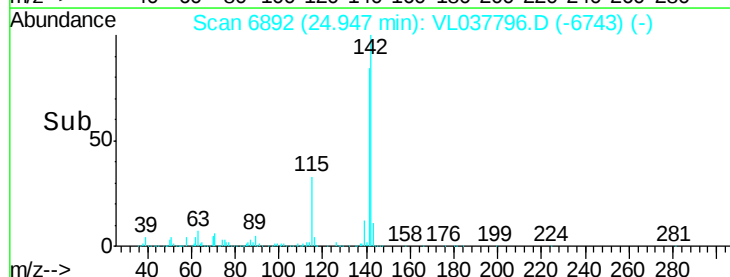
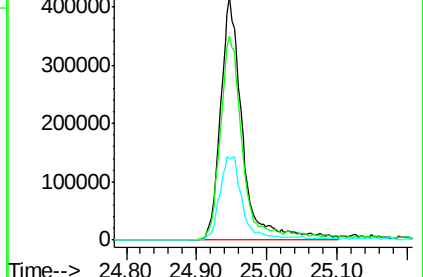
115 36.2 29.0 43.6

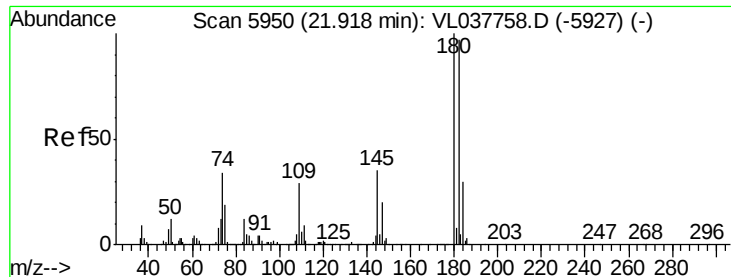


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.127 ppbv

RT: 21.90 min Scan# 5943

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

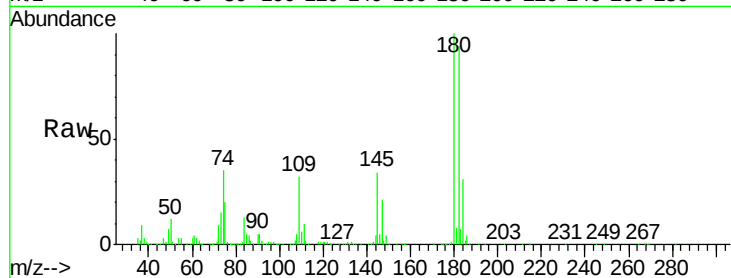
Tgt Ion:180 Resp: 2053934

Ion Ratio Lower Upper

180 100

182 97.2 77.6 116.4

184 30.8 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

