

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037756.D
 Acq On : 2 Oct 2021 00:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Oct 02 01:37:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1451614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4284443	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4739441	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2716553	7.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1810705	6.893	ppbv	97
3) Chlorodifluoromethane	2.98	51	2542571	9.286	ppbv	98
4) Chloromethane	3.13	50	953012	9.421	ppbv	98
5) Vinyl Chloride	3.25	62	973763	10.248	ppbv	100
6) Bromomethane	3.47	94	489673	8.867	ppbv	98
7) Chloroethane	3.55	64	336491	9.476	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2146079	9.471	ppbv	100
9) Propene	3.00	41	956496	9.903	ppbv	97
10) Heptane	8.10	43	2330327	10.340	ppbv	100
11) Trichlorofluoromethane	3.94	101	1957669	9.283	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1475955	9.482	ppbv	99
13) Ethanol	3.61	45	22042	2.333	ppbv #	1
14) Bromoethene	3.73	108	671574	9.478	ppbv	99
15) Acetone	3.84	43	1149033	7.619	ppbv	96
16) 1,3-Butadiene	3.32	39	932191	9.891	ppbv	100
17) tert-Butyl alcohol	4.28	59	1296031	10.134	ppbv	99
18) 1,1-Dichloroethene	4.28	96	670057	9.240	ppbv	99
19) Isopropyl Alcohol	3.96	45	776049	9.457	ppbv	98
20) Methylene Chloride	4.33	84	593322	8.240	ppbv	98
21) Allyl Chloride	4.40	41	1103665	9.795	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	683459	9.368	ppbv	97
23) Vinyl Acetate	5.06	43	1801461	8.632	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1396177	9.338	ppbv	98
25) Ethyl Acetate	5.66	43	3618179	9.905	ppbv	99
26) Hexane	5.67	57	1756174	10.121	ppbv	99
27) Carbon Disulfide	4.54	76	1666751	10.500	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1455384	9.523	ppbv	99
29) Chloroform	5.74	83	2376987	9.381	ppbv	99
30) Cyclohexane	7.11	84	1465301	9.874	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1605036	10.189	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2293296	9.722	ppbv	99
34) 2-Butanone	5.23	43	1627625	9.348	ppbv	99
35) Carbon Tetrachloride	7.00	117	2350420	9.698	ppbv	98
36) Benzene	6.88	78	3536223	9.898	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1676778	9.543	ppbv	100
38) Trichloroethene	7.82	130	1378375	9.236	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1355882	9.909	ppbv	97
40) 1,4-Dioxane	7.82	88	66240	1.990	ppbv #	1
41) Tetrahydrofuran	6.03	42	861667	10.527	ppbv	100
42) Bromodichloromethane	7.78	83	2518802	10.002	ppbv	99
43) Methyl Methacrylate	8.00	69	1288235	10.839	ppbv	100

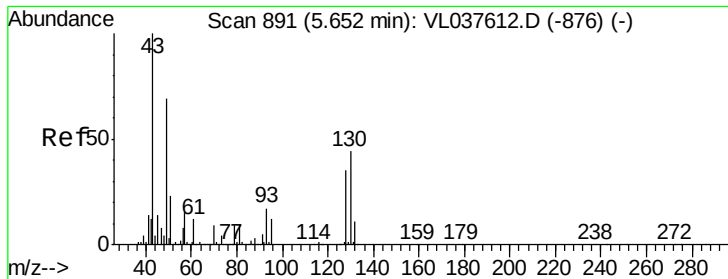
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5874040	9.780	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	962210	10.307	ppbv	95
46) cis-1,3-Dichloropropene	8.69	75	1302375	10.327	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1411131	9.322	ppbv	96
48) Dibromochloromethane	10.28	129	2195222	10.395	ppbv	97
49) Bromoform	13.02	173	1787630	10.577	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2333383	10.559	ppbv	99
51) 2-Hexanone	10.12	43	1109162	11.376	ppbv #	99
52) Tetrachloroethene	11.20	164	1285800	9.375	ppbv	98
53) Toluene	9.79	91	4063834	10.233	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1983790	9.571	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1510235	7.682	ppbv #	53
57) Chlorobenzene	12.13	112	2910104	7.386	ppbv	99
58) Ethyl Benzene	12.69	91	5127233	8.150	ppbv	99
59) m/p-Xylene	12.98	91	4179471	7.623	ppbv #	26
60) o-Xylene	13.67	91	3954771	7.579	ppbv	97
61) Styrene	13.51	104	2218653	8.622	ppbv	98
62) Isopropylbenzene	14.64	105	5517102	7.568	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	2911028	7.128	ppbv	100
64) n-propylbenzene	15.54	120	1482810	7.882	ppbv	86
65) tert-Butylbenzene	16.73	119	4928476	7.498	ppbv	99
66) Benzyl Chloride	16.97	91	271026	7.546	ppbv	97
67) sec-Butylbenzene	17.27	105	6838012	7.668	ppbv	99
69) p-Isopropyltoluene	17.63	119	5713988	7.843	ppbv	100
70) n-Butylbenzene	18.53	91	5584881	8.102	ppbv	99
71) 2-Chlorotoluene	15.43	91	4095722	7.840	ppbv	99
72) 4-Ethyltoluene	15.82	105	4706717	7.857	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4460334	7.988	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4417976	7.512	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	2704980	7.403	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2698054	7.487	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2632238	7.595	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1917099	6.573	ppbv	100
79) Naphthalene	22.17	128	3307481	9.159	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	855628	10.367	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1949552	8.409	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

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ClientSampleId :

VSTDCCC010EC

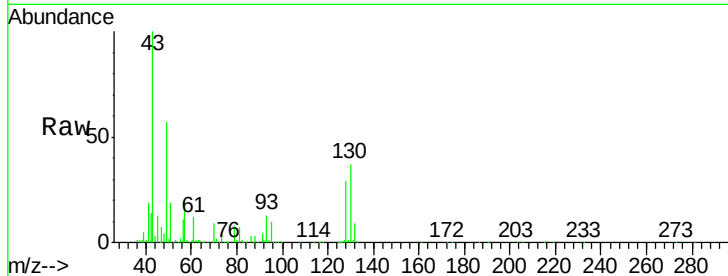
Tgt Ion: 49 Resp: 1451614

Ion Ratio Lower Upper

49 100

128 54.3 27.9 83.6

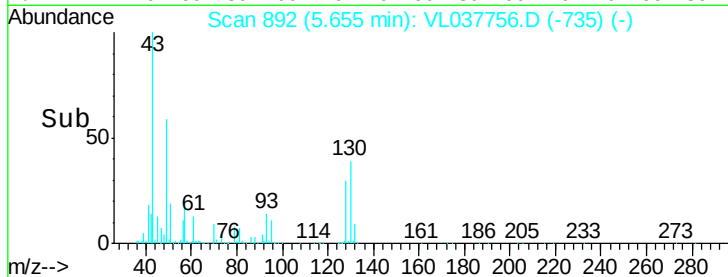
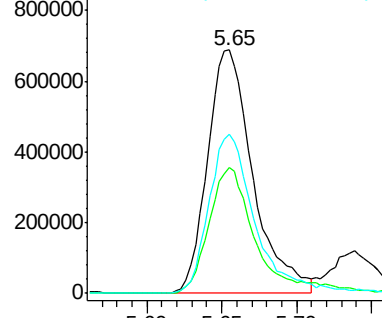
130 67.5 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.893 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL037756.D

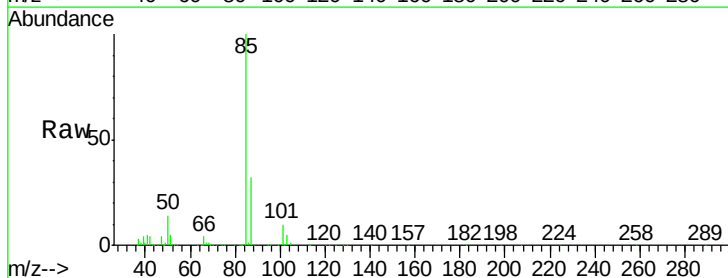
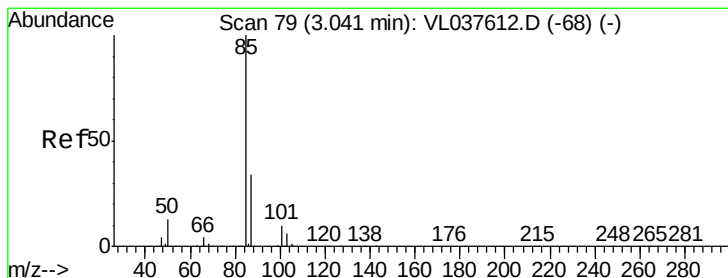
Acq: 2 Oct 2021 00:24

Tgt Ion: 85 Resp: 1810705

Ion Ratio Lower Upper

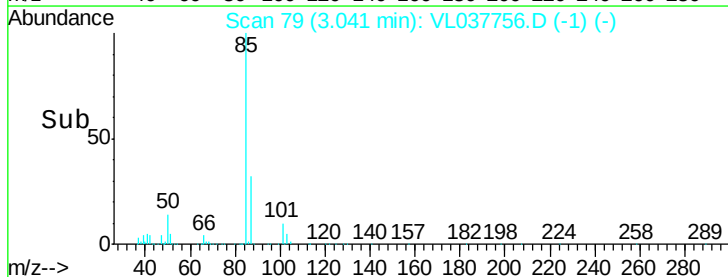
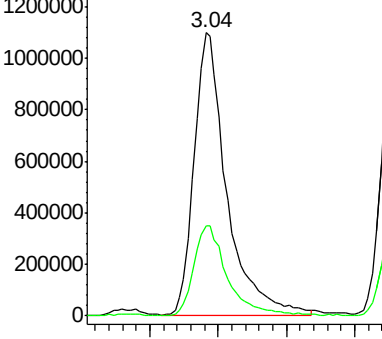
85 100

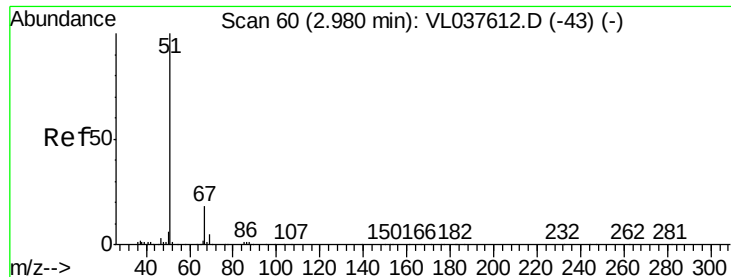
87 31.7 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.286 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

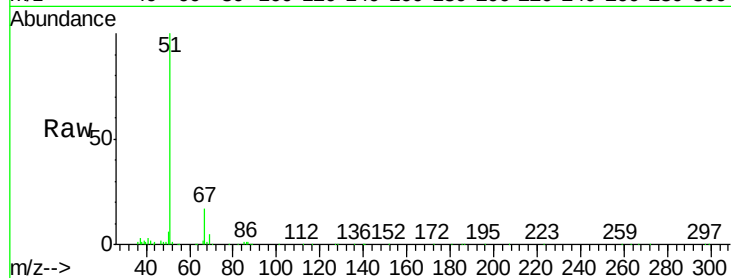
VSTDCCC010EC

Tgt Ion: 51 Resp: 2542571

Ion Ratio Lower Upper

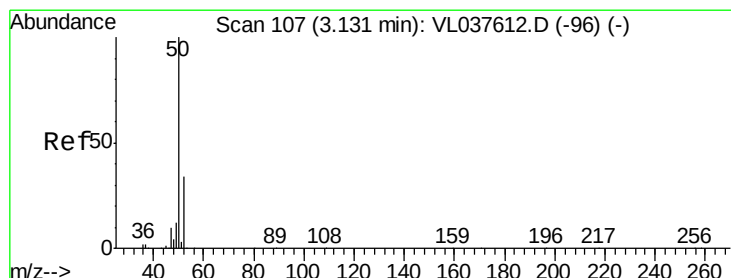
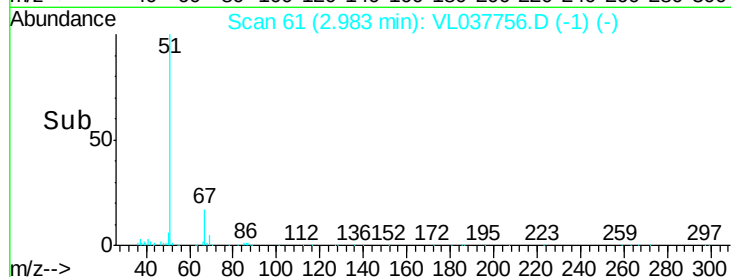
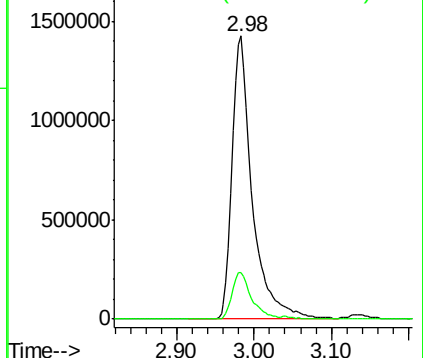
51 100

67 16.8 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.421 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL037756.D

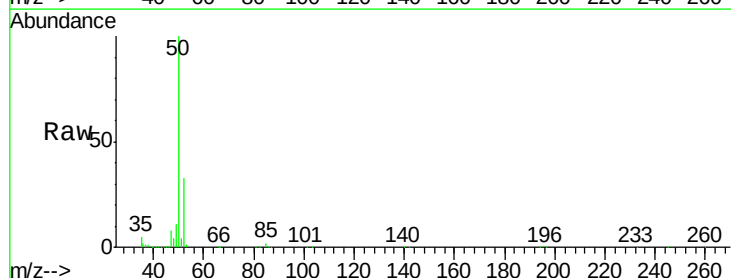
Acq: 2 Oct 2021 00:24

Tgt Ion: 50 Resp: 953012

Ion Ratio Lower Upper

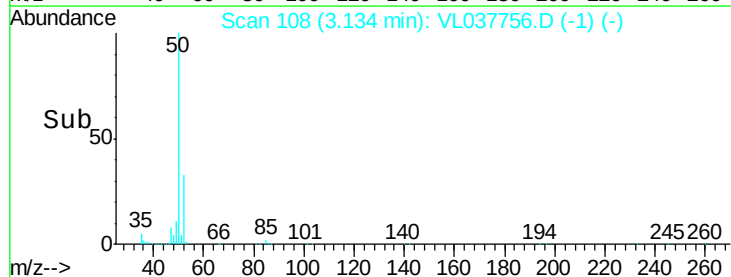
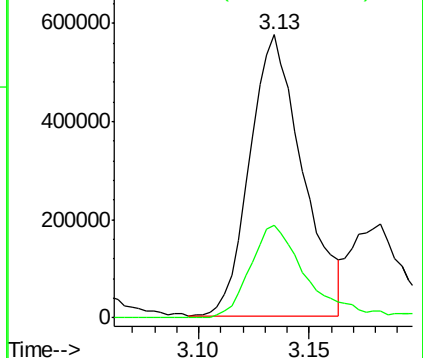
50 100

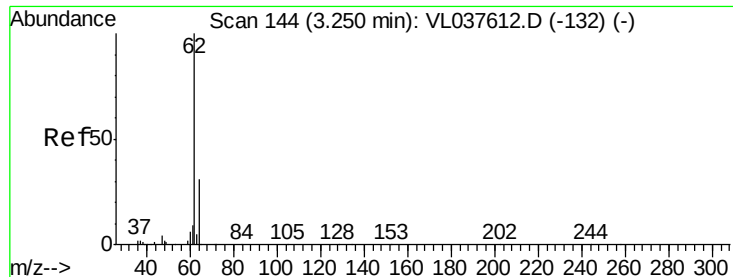
52 32.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.248 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

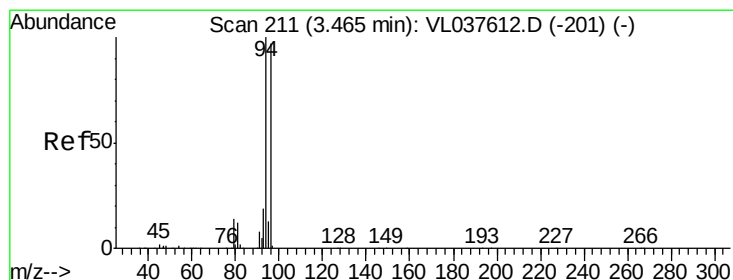
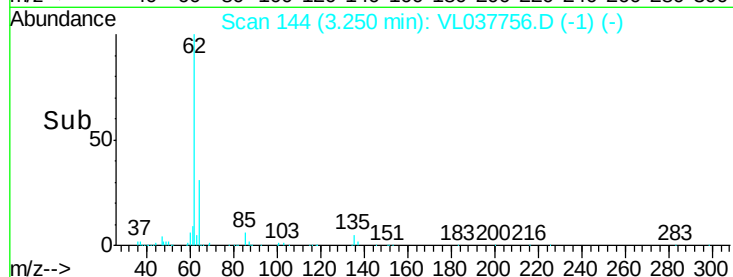
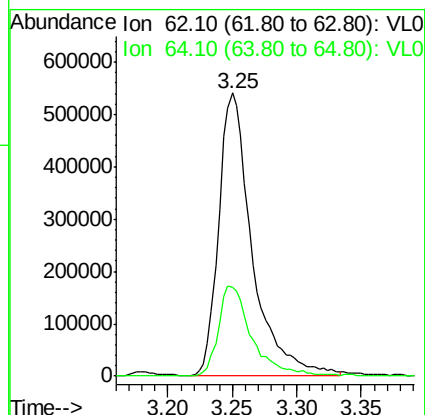
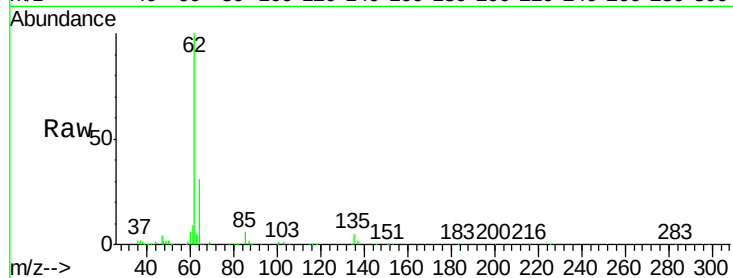
VSTDCCC010EC

Tgt Ion: 62 Resp: 973763

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3



#6

Bromomethane

Concen: 8.867 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL037756.D

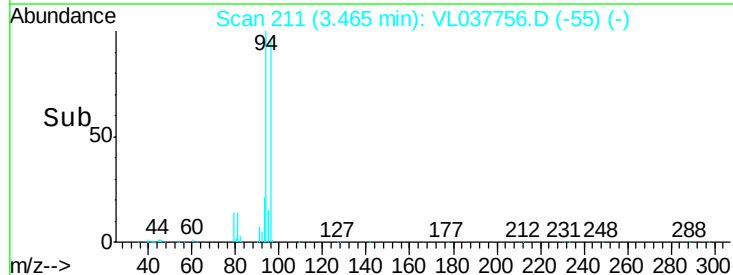
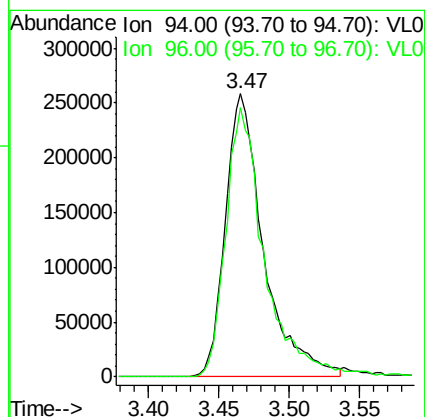
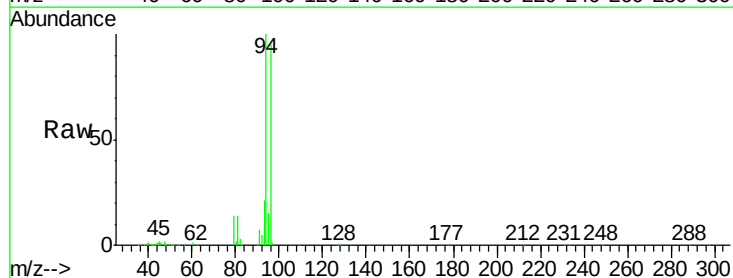
Acq: 2 Oct 2021 00:24

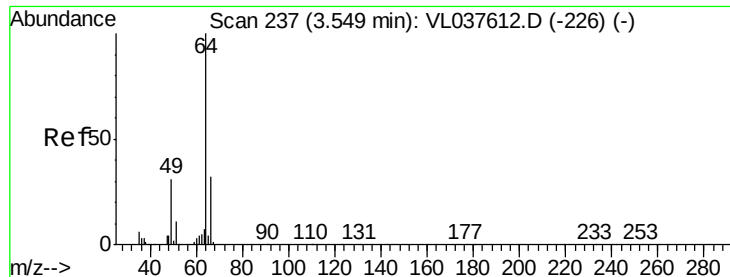
Tgt Ion: 94 Resp: 489673

Ion Ratio Lower Upper

94 100

96 94.7 77.3 115.9





#7

Chloroethane

Concen: 9.476 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

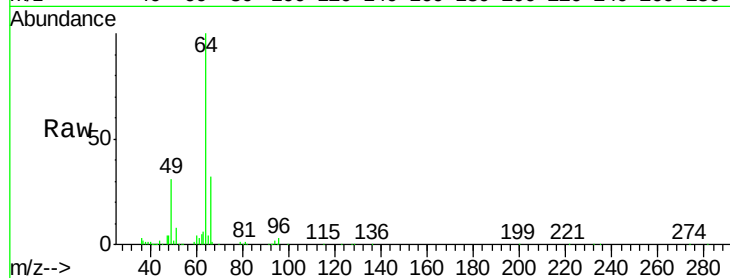
VSTDCCC010EC

Tgt Ion: 64 Resp: 336491

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

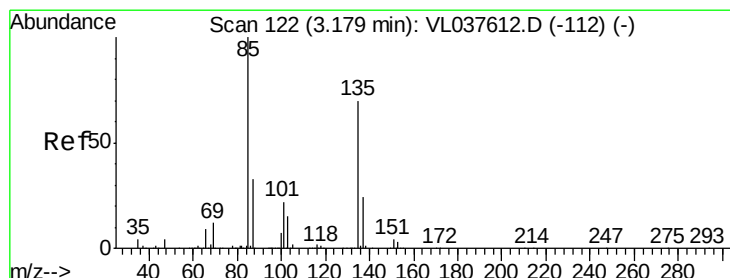
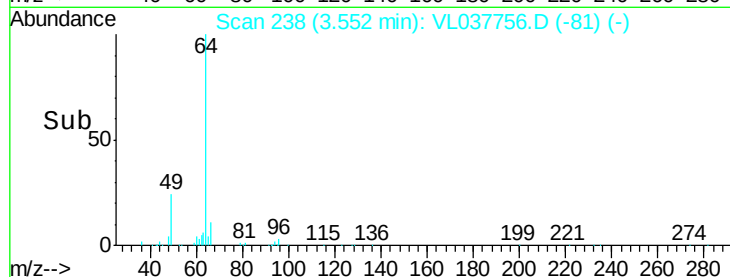
150000

100000

50000

0

Time--> 3.50 3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 9.471 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037756.D

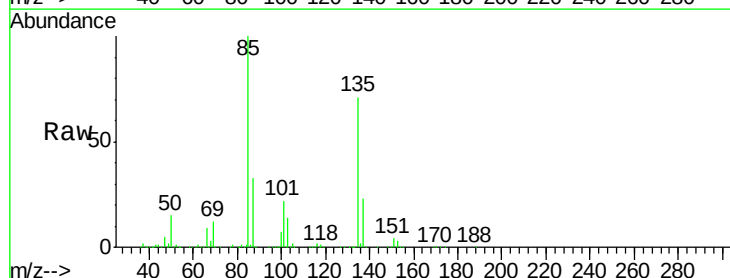
Acq: 2 Oct 2021 00:24

Tgt Ion: 85 Resp: 2146079

Ion Ratio Lower Upper

85 100

135 73.7 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

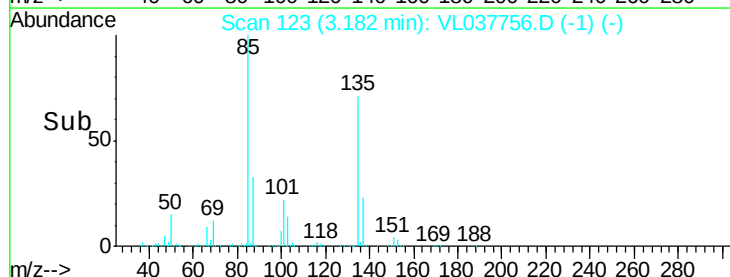
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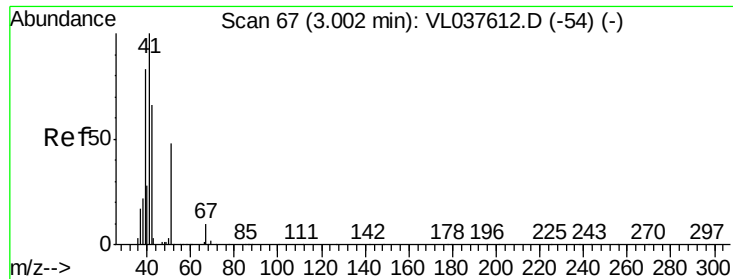
1000000

500000

0

Time--> 3.10 3.15 3.20 3.25





#9

Propene

Concen: 9.903 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

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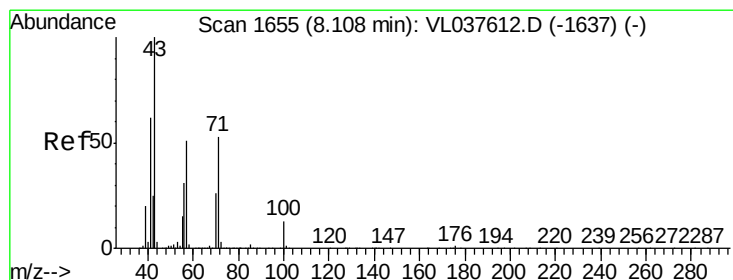
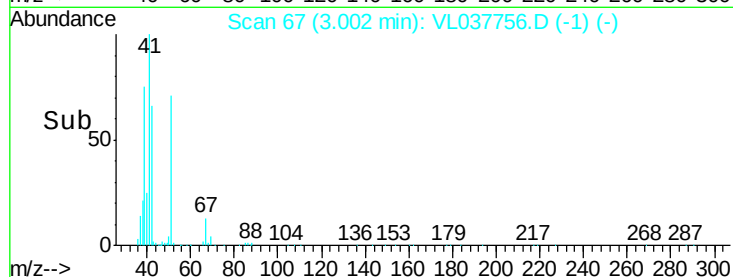
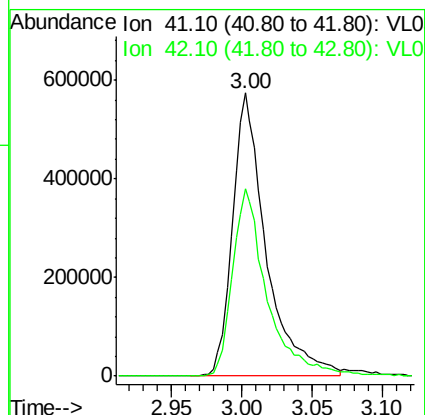
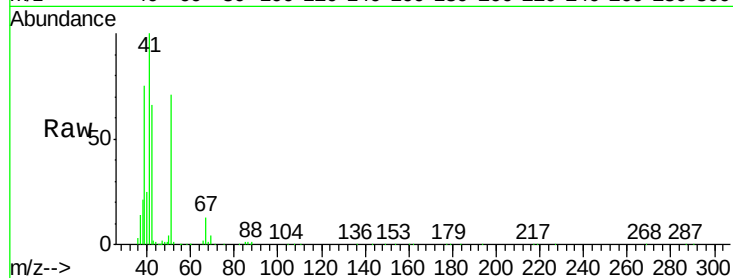
VSTDCCC010EC

Tgt Ion: 41 Resp: 956496

Ion Ratio Lower Upper

41 100

42 68.7 57.2 85.8



#10

Heptane

Concen: 10.340 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037756.D

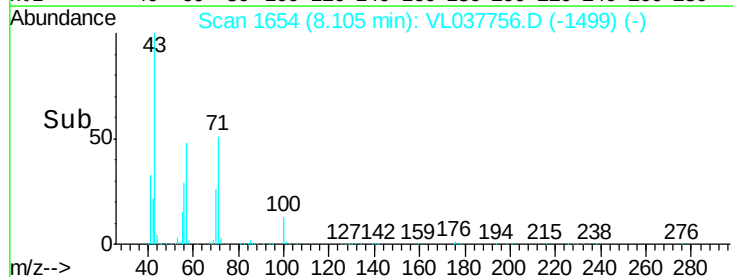
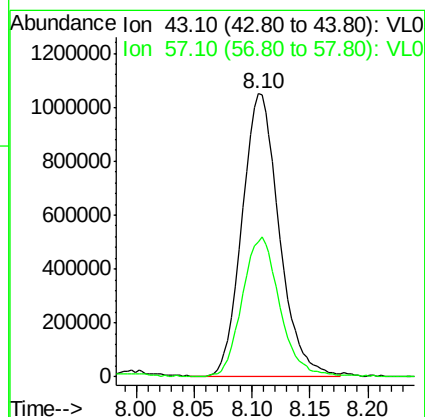
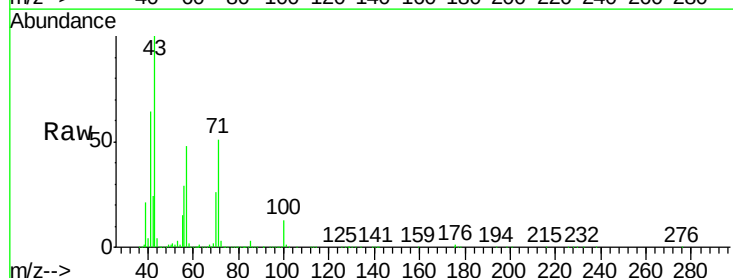
Acq: 2 Oct 2021 00:24

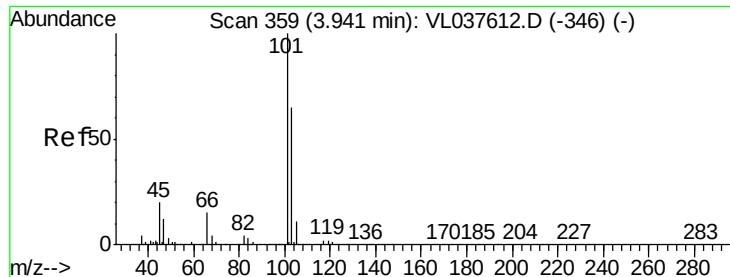
Tgt Ion: 43 Resp: 2330327

Ion Ratio Lower Upper

43 100

57 50.0 40.1 60.1

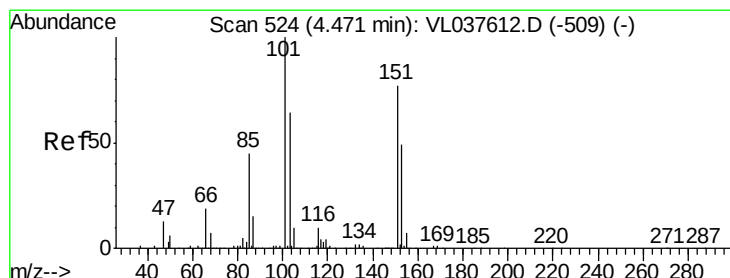
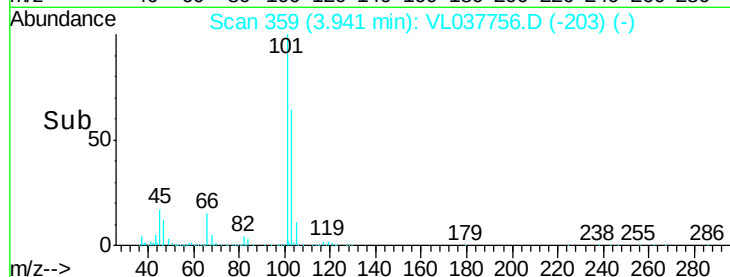
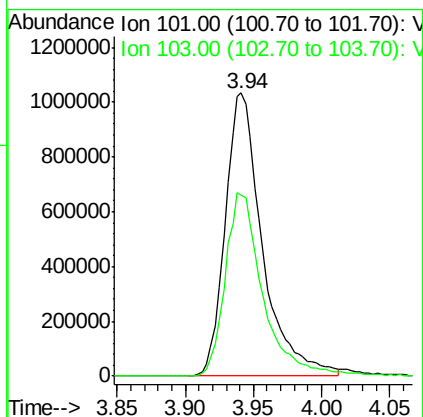
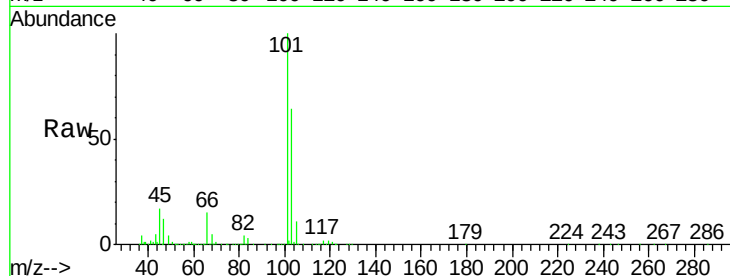




#11
 Trichlorofluoromethane
 Concen: 9.283 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

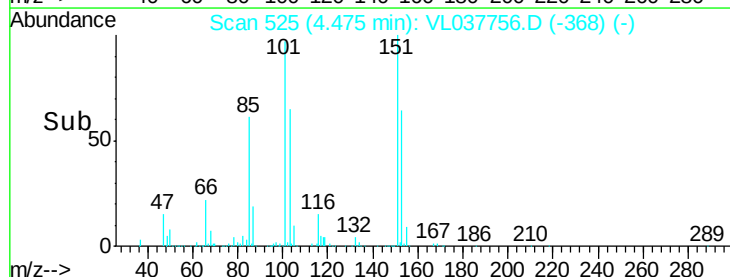
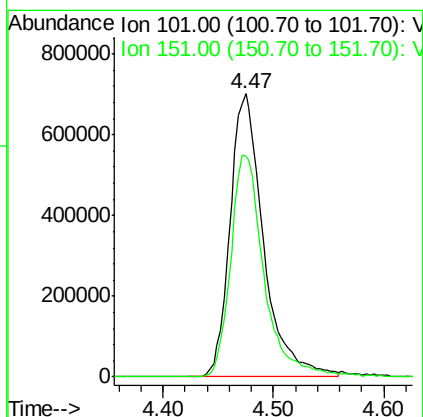
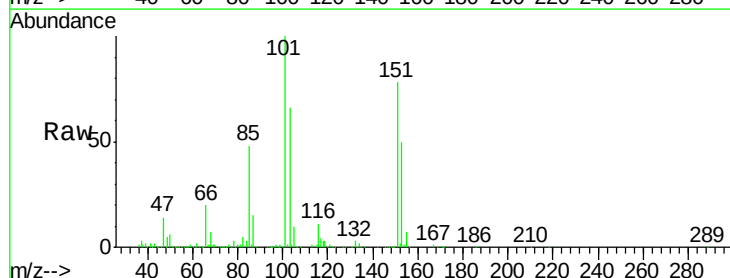
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

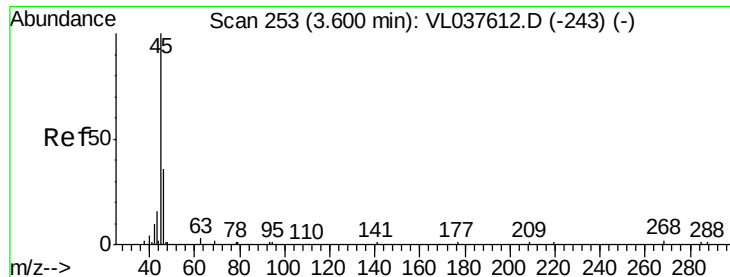
Tgt Ion:101 Resp: 1957669
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.482 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion:101 Resp: 1475955
 Ion Ratio Lower Upper
 101 100
 151 78.5 63.5 95.3

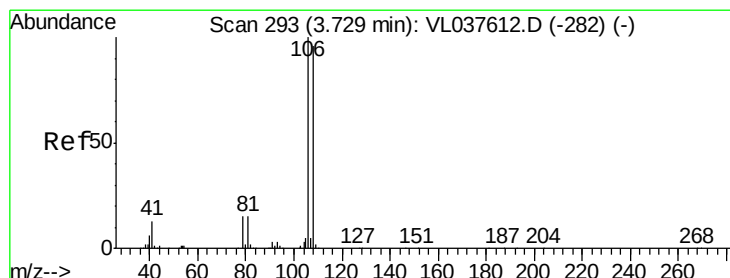
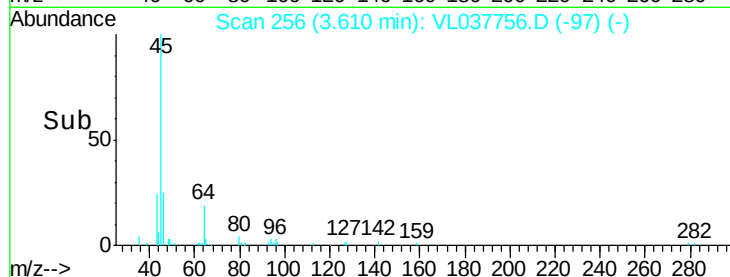
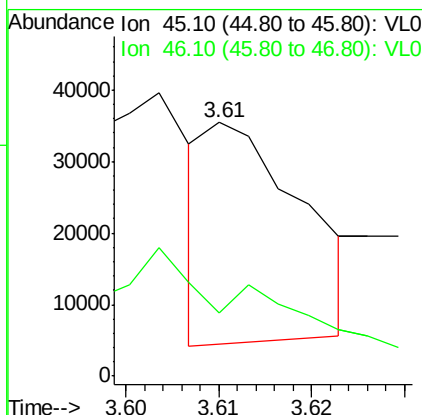
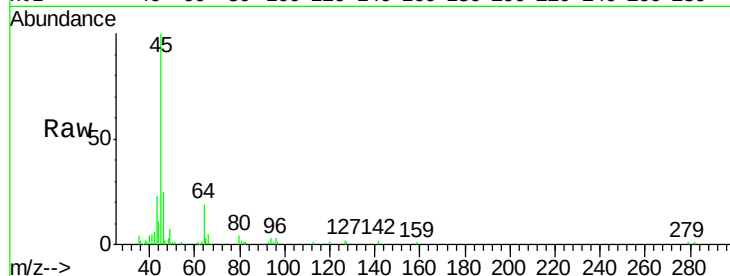




#13
Ethanol
Concen: 2.333 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

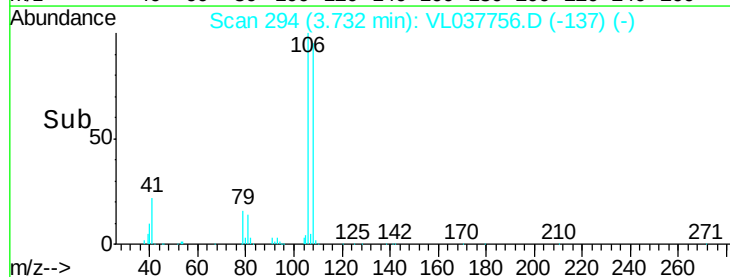
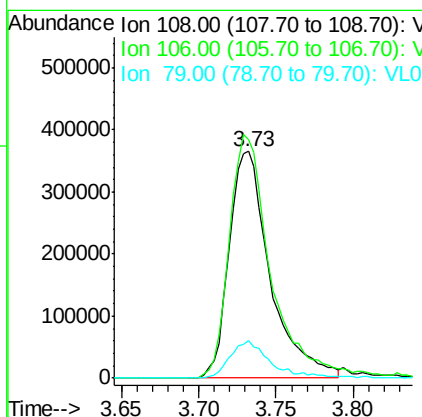
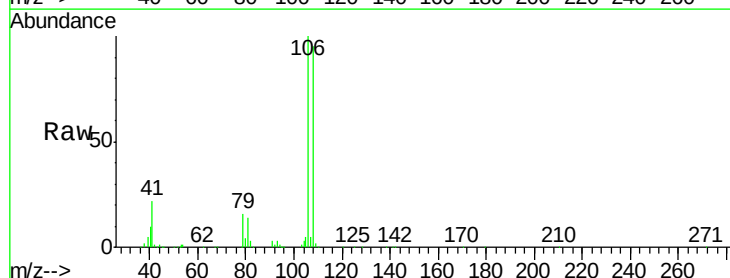
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

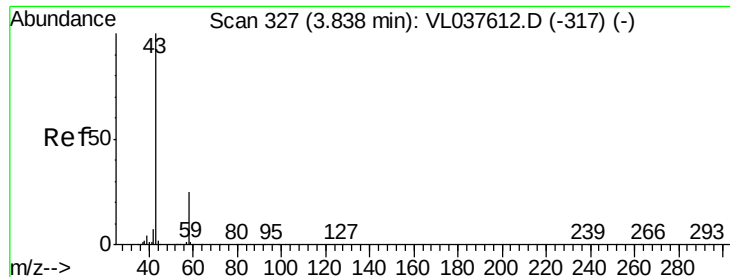
Tgt Ion: 45 Resp: 22042
Ion Ratio Lower Upper
45 100
46 157.7 17.2 68.8#



#14
Bromoethene
Concen: 9.478 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 108 Resp: 671574
Ion Ratio Lower Upper
108 100
106 110.7 88.2 132.4
79 16.8 12.8 19.2

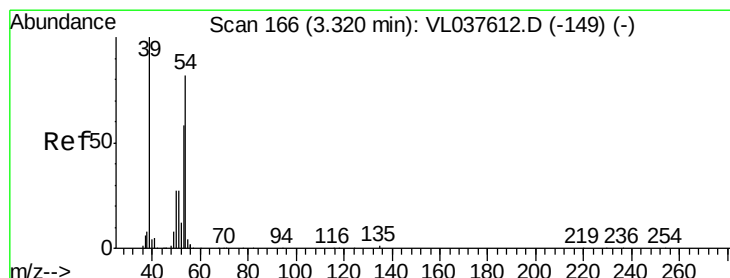
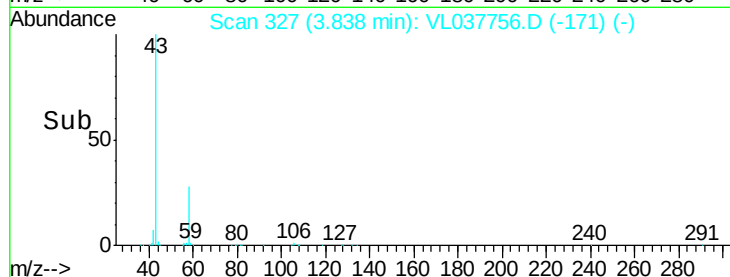
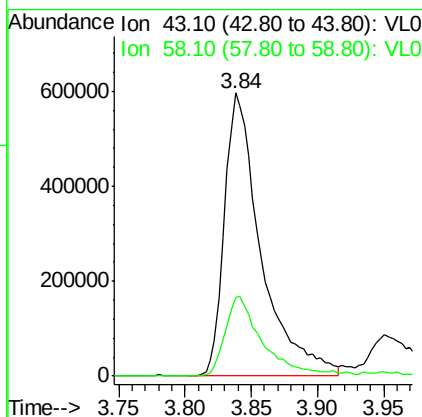
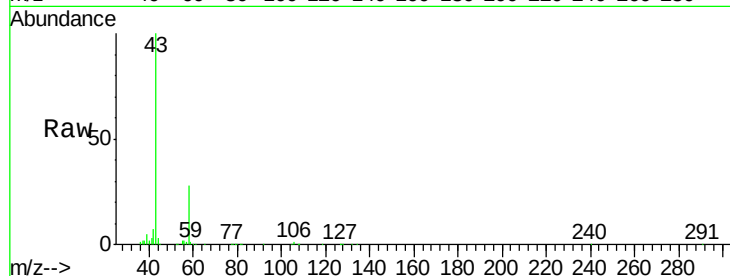




#15
Acetone
Concen: 7.619 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

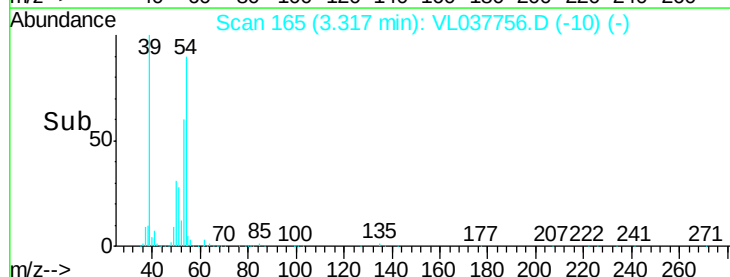
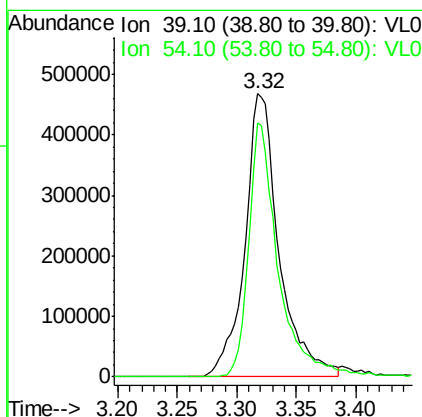
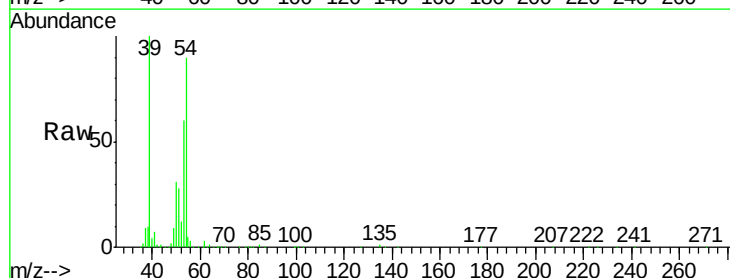
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

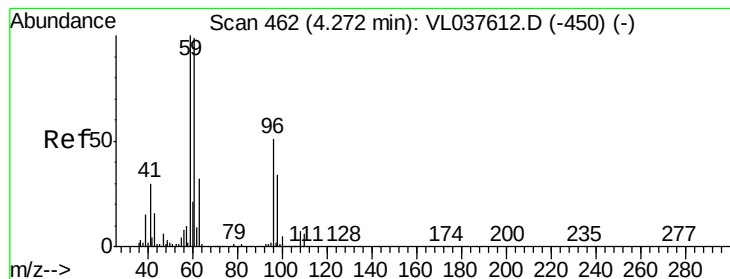
Tgt Ion: 43 Resp: 1149033
Ion Ratio Lower Upper
43 100
58 28.8 24.9 37.3



#16
1,3-Butadiene
Concen: 9.891 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 39 Resp: 932191
Ion Ratio Lower Upper
39 100
54 78.6 62.6 93.8





#17

tert-Butyl alcohol

Concen: 10.134 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

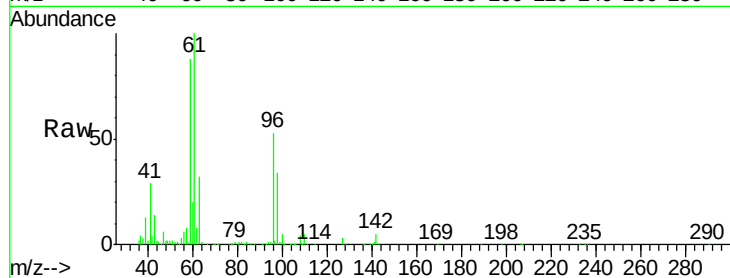
VSTDCCC010EC

Tgt Ion: 59 Resp: 1296031

Ion Ratio Lower Upper

59 100

57 11.0 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

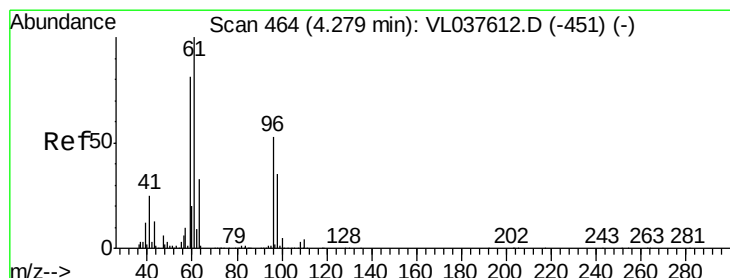
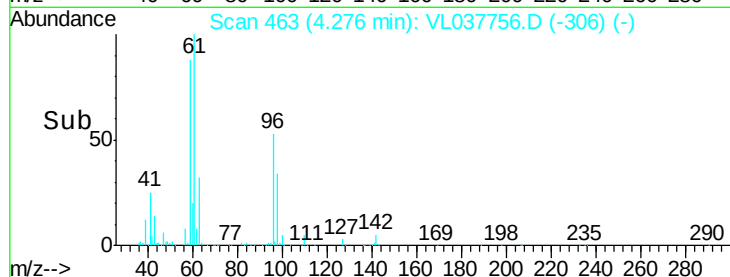
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 9.240 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

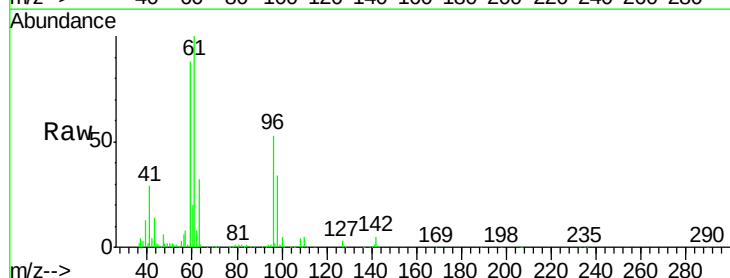
Tgt Ion: 96 Resp: 670057

Ion Ratio Lower Upper

96 100

61 187.8 150.4 225.6

98 63.8 52.1 78.1



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

4.28

800000

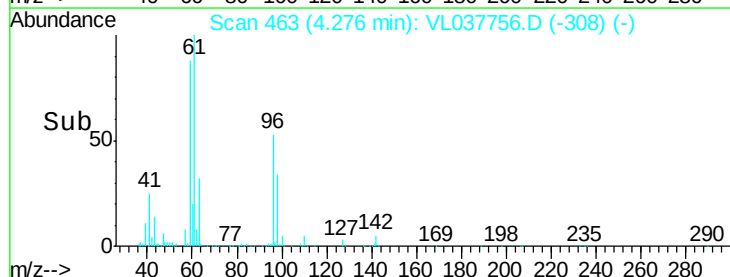
600000

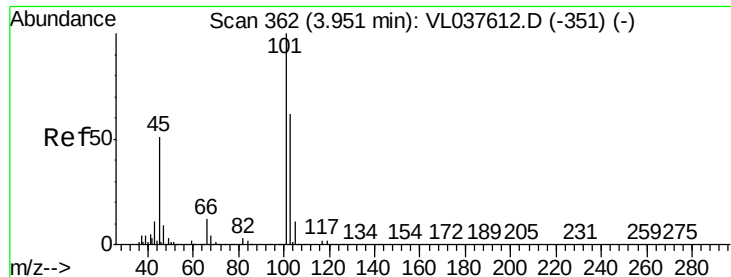
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 9.457 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

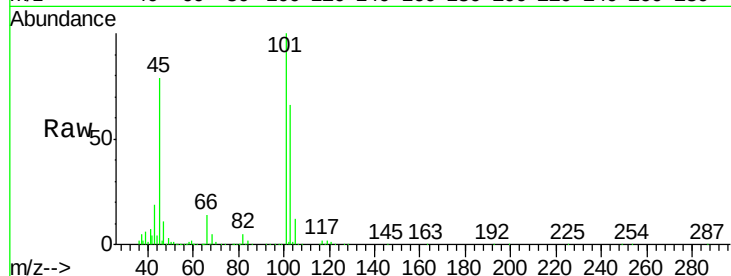
VSTDCCC010EC

Tgt Ion: 45 Resp: 776049

Ion Ratio Lower Upper

45 100

58 3.0 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

300000

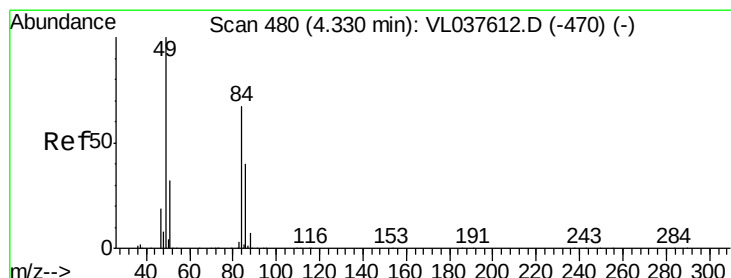
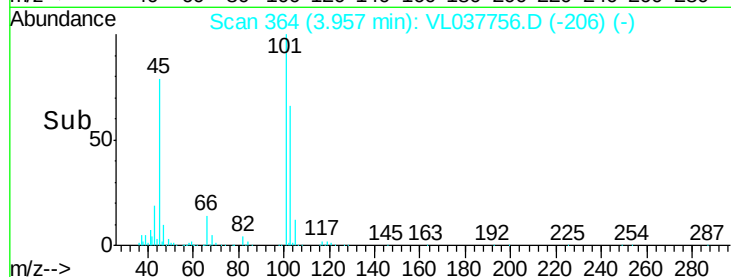
200000

100000

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 8.240 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Tgt Ion: 84 Resp: 593322

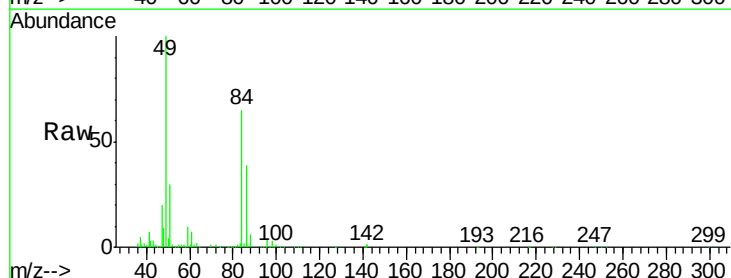
Ion Ratio Lower Upper

84 100

49 152.0 120.0 180.0

51 45.2 38.0 57.0

86 60.3 48.2 72.2



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

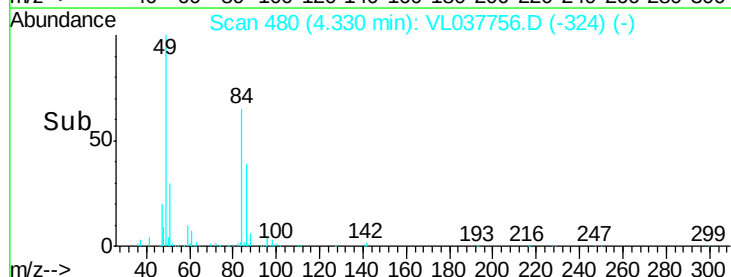
400000

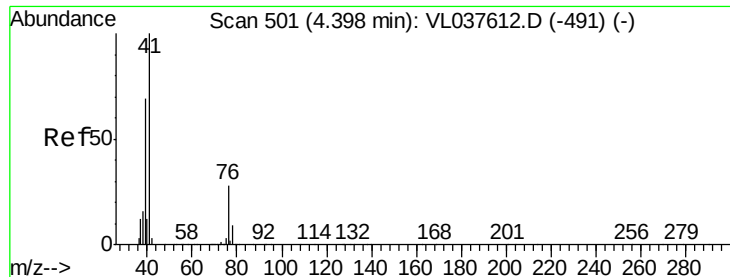
200000

0

Time-->

4.25 4.30 4.35 4.40





#21

Allyl Chloride

Concen: 9.795 ppbv

RT: 4.40 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

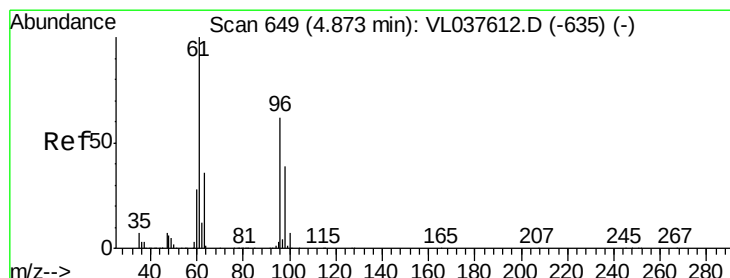
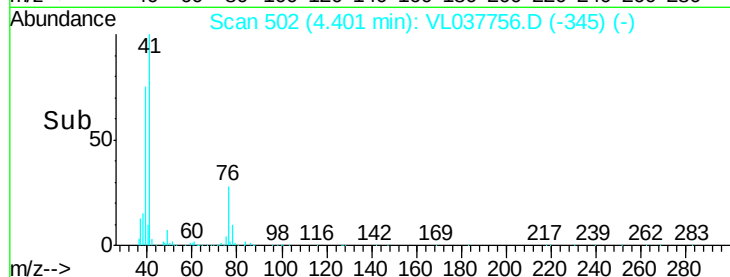
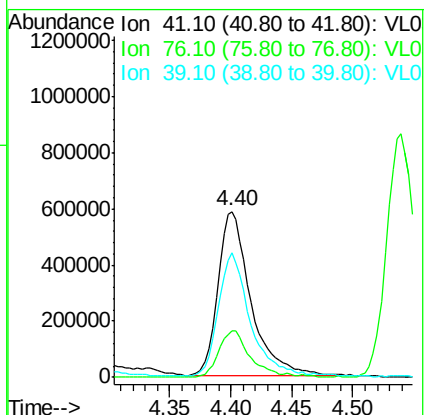
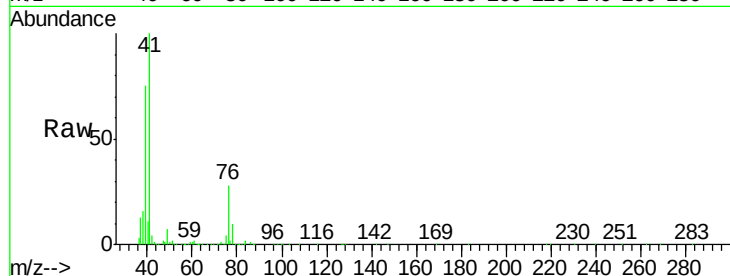
Tgt Ion: 41 Resp: 1103665

Ion Ratio Lower Upper

41 100

76 28.1 23.1 34.7

39 75.2 61.0 91.6



#22

trans-1,2-Dichloroethene

Concen: 9.368 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

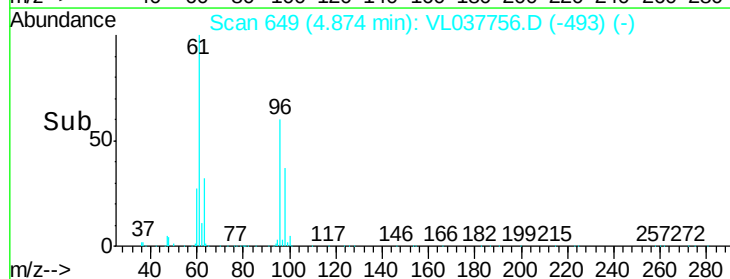
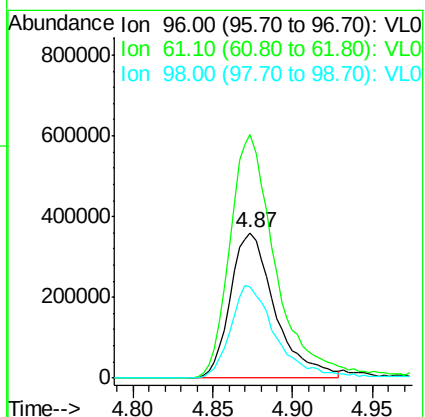
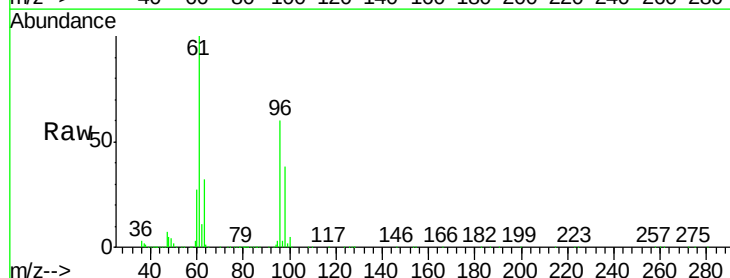
Tgt Ion: 96 Resp: 683459

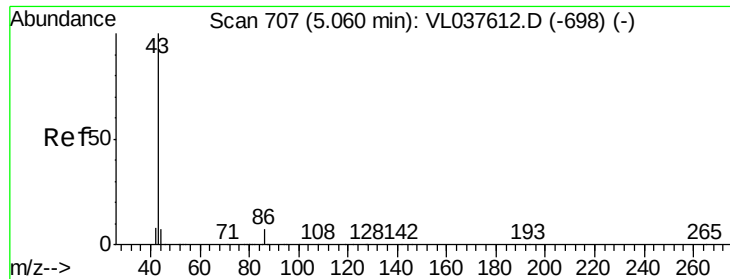
Ion Ratio Lower Upper

96 100

61 167.2 129.2 193.8

98 62.7 50.4 75.6



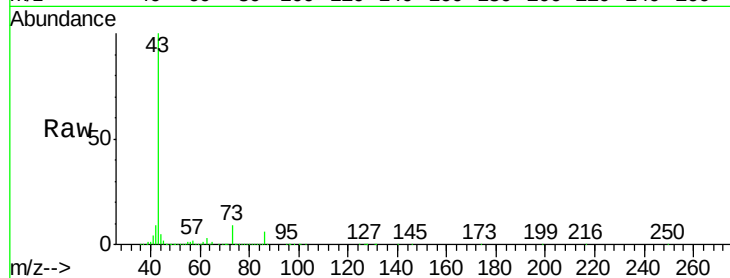


#23
 Vinyl Acetate
 Concen: 8.632 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

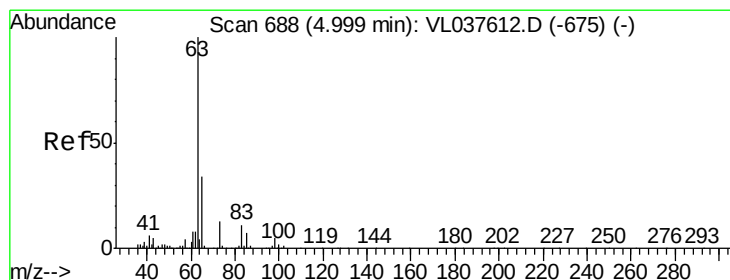
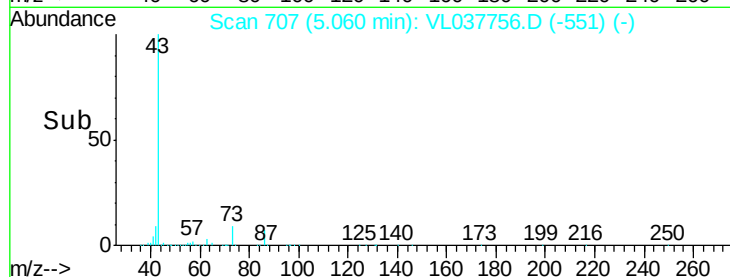
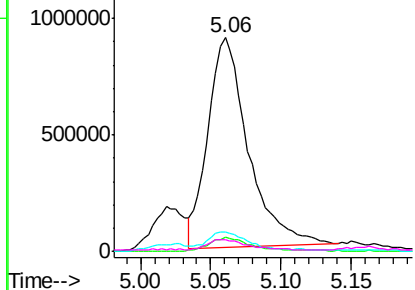
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 1801461

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.0	7.6
42	9.0	7.5	11.3
44	4.7	4.7	7.1



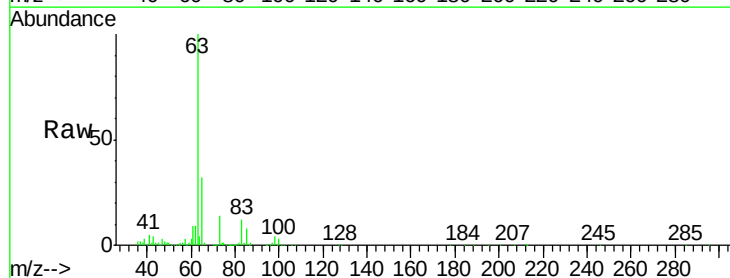
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



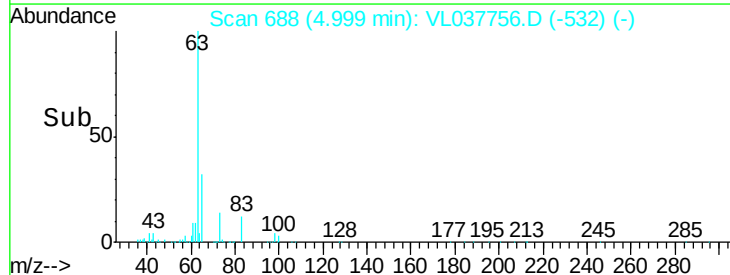
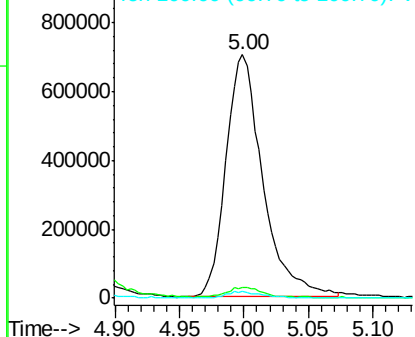
#24
 1,1-Dichloroethane
 Concen: 9.338 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

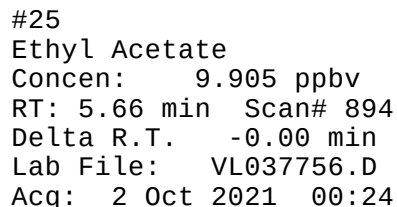
Tgt Ion: 63 Resp: 1396177

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.2
100	3.0	1.1	3.5

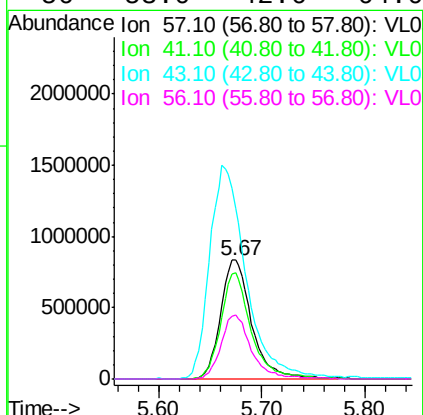
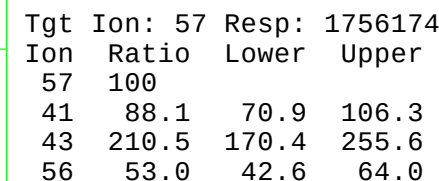
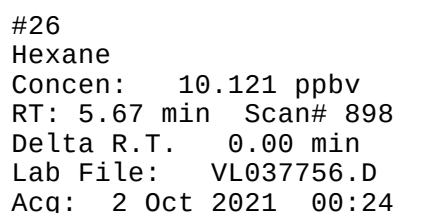
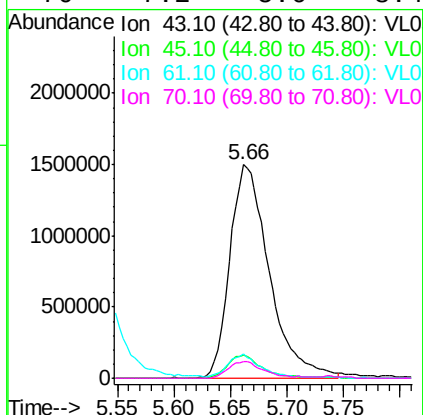
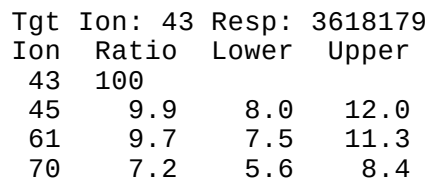


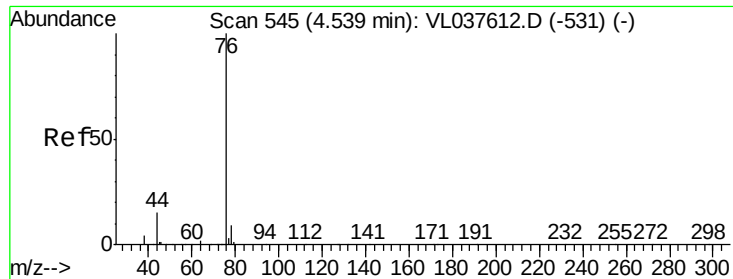
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC





#27

Carbon Disulfide

Concen: 10.500 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

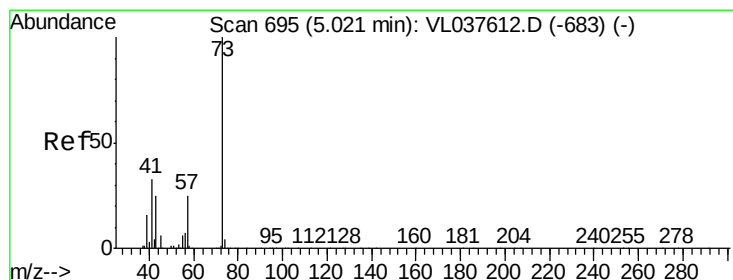
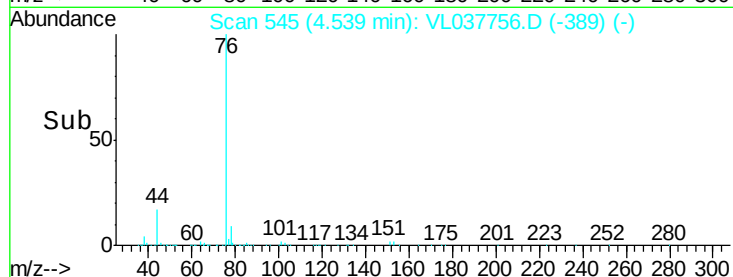
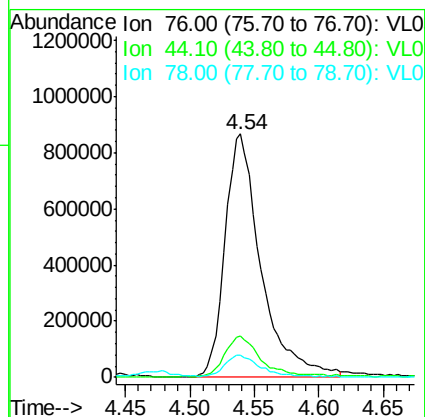
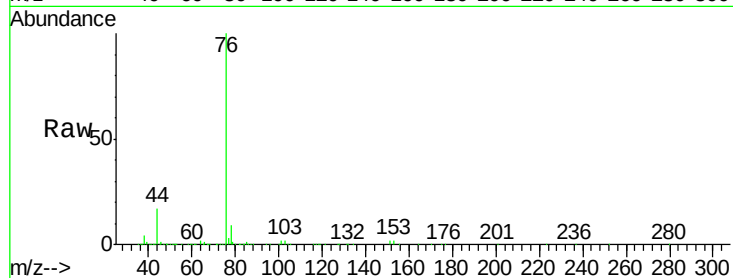
Tgt Ion: 76 Resp: 1666751

Ion Ratio Lower Upper

76 100

44 17.7 14.2 21.2

78 9.9 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 9.523 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL037756.D

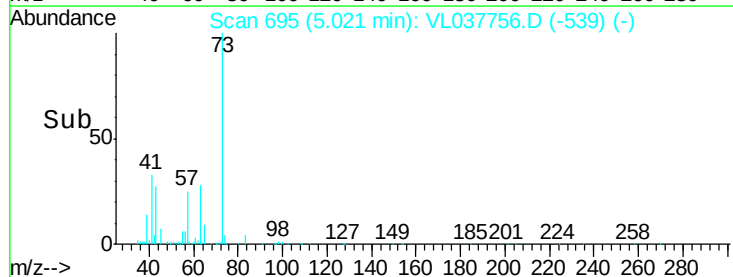
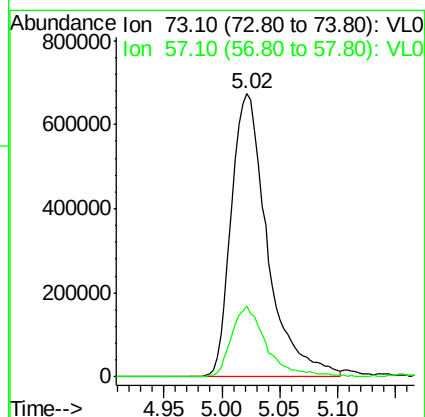
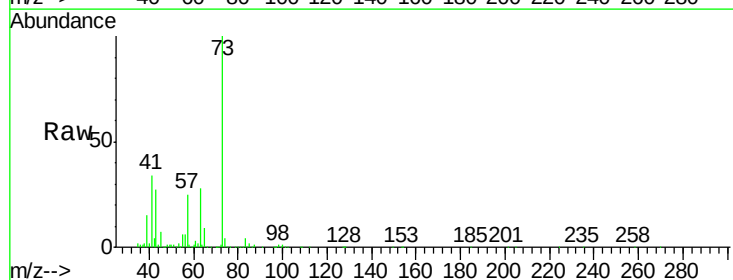
Acq: 2 Oct 2021 00:24

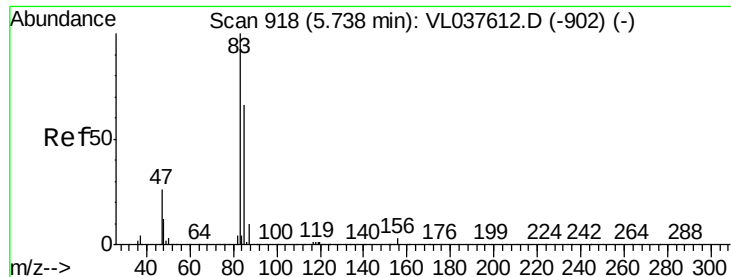
Tgt Ion: 73 Resp: 1455384

Ion Ratio Lower Upper

73 100

57 24.4 20.1 30.1

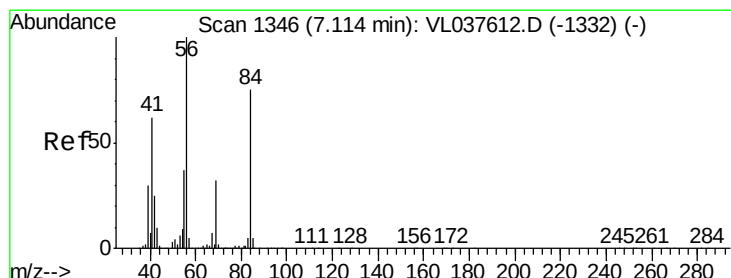
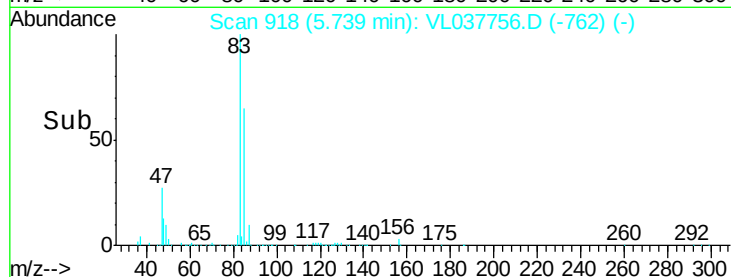
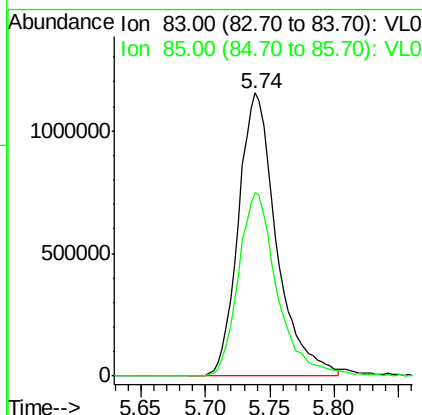
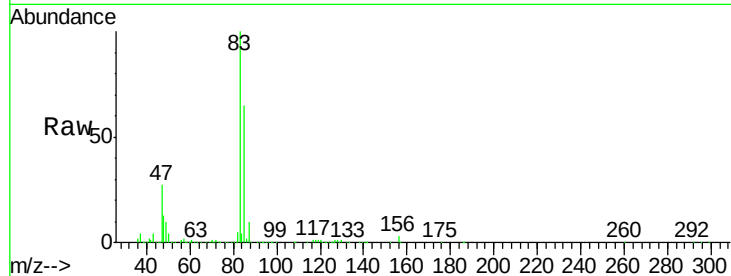




#29
Chloroform
Concen: 9.381 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

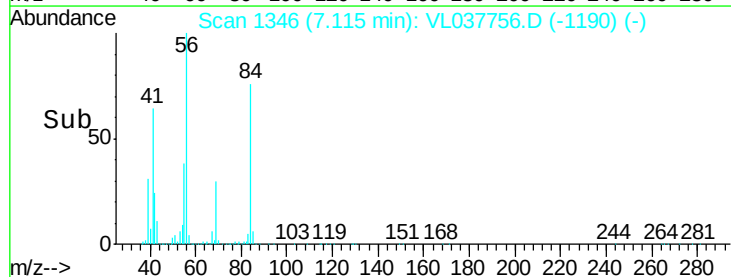
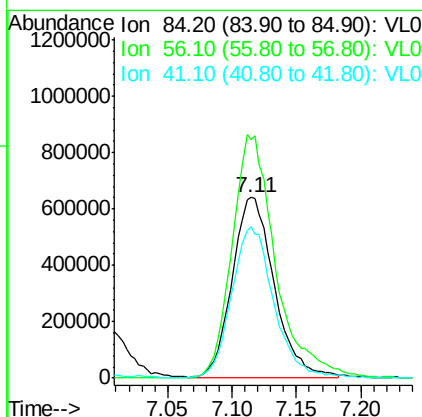
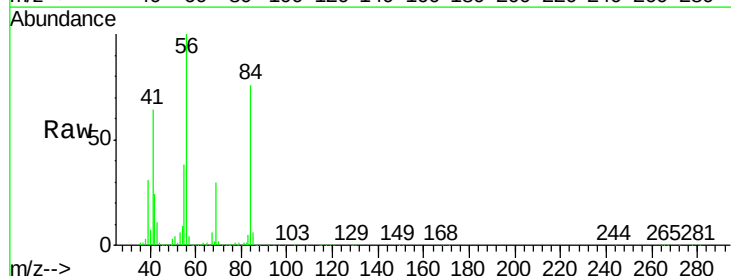
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

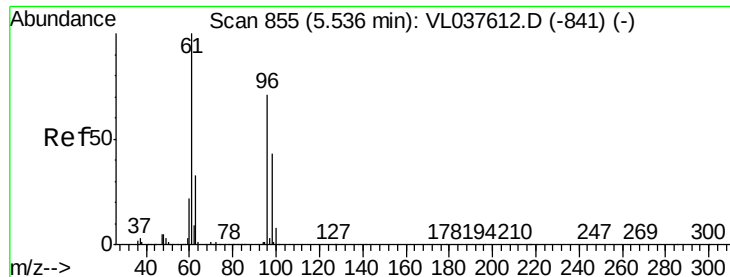
Tgt Ion: 83 Resp: 2376987
Ion Ratio Lower Upper
83 100
85 64.7 52.6 79.0



#30
Cyclohexane
Concen: 9.874 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 84 Resp: 1465301
Ion Ratio Lower Upper
84 100
56 139.1 113.6 170.4
41 84.0 67.9 101.9



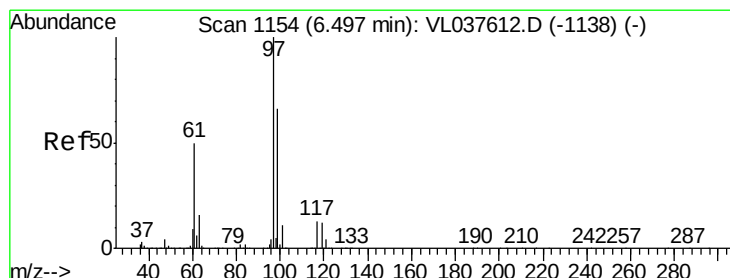
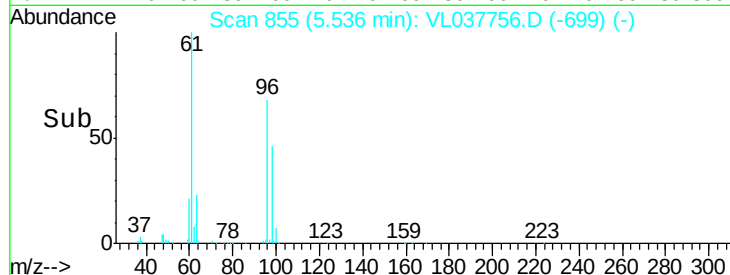
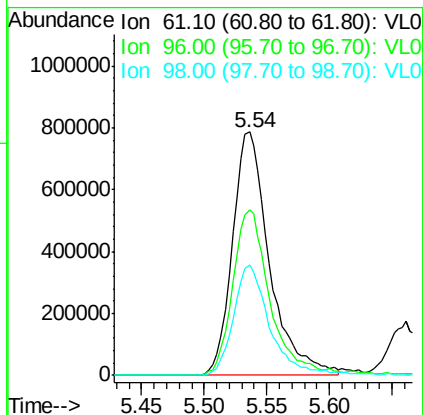
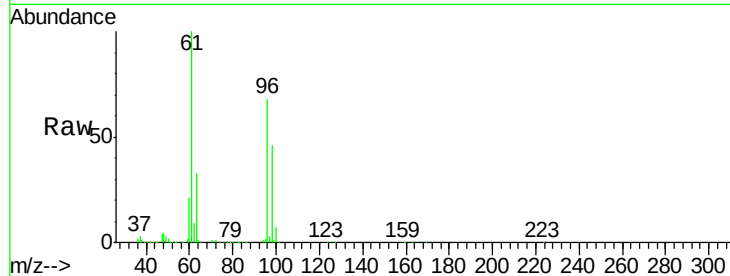


#31

cis-1,2-Dichloroethene
Concen: 10.189 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

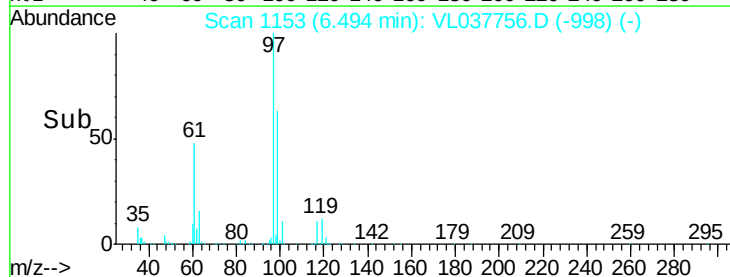
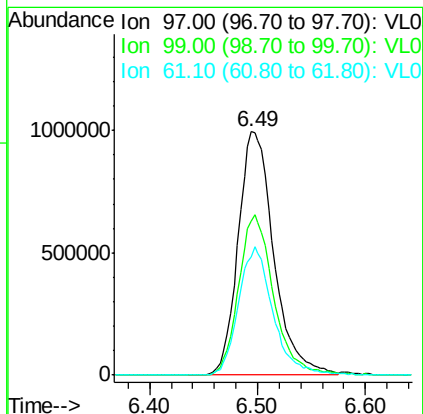
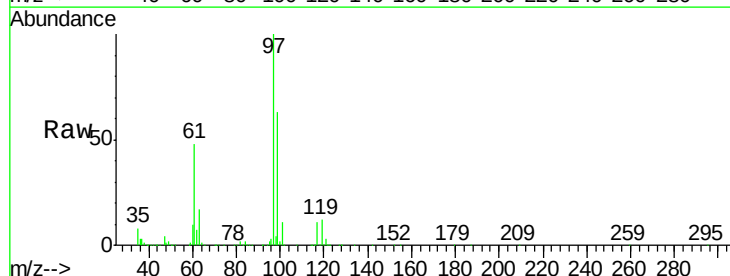
Tgt Ion: 61 Resp: 1605036
Ion Ratio Lower Upper
61 100
96 67.7 56.7 85.1
98 45.6 34.6 52.0

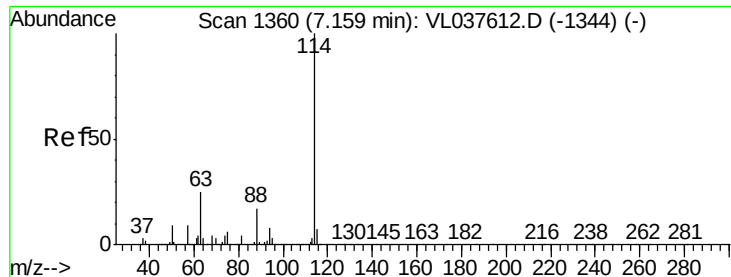


#32

1,1,1-Trichloroethane
Concen: 9.722 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 97 Resp: 2293296
Ion Ratio Lower Upper
97 100
99 64.9 52.3 78.5
61 51.1 39.5 59.3

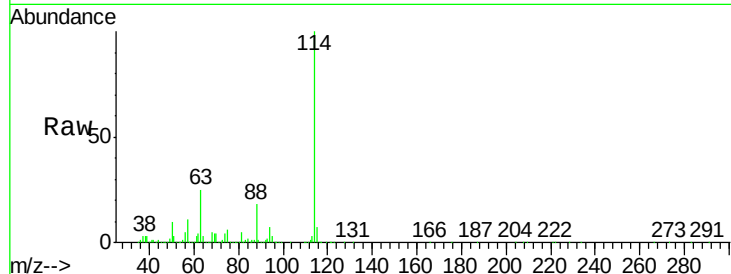




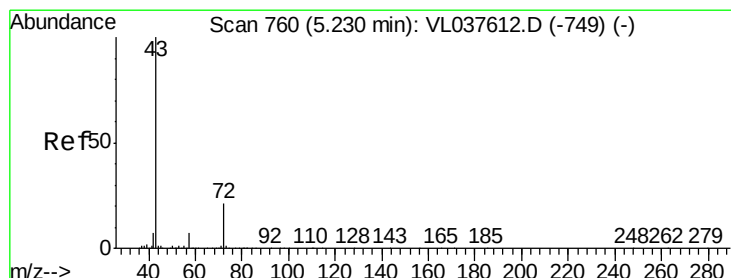
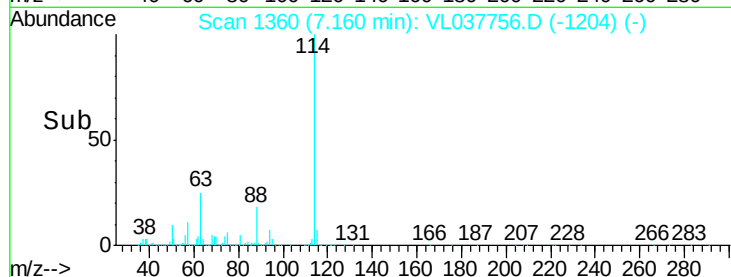
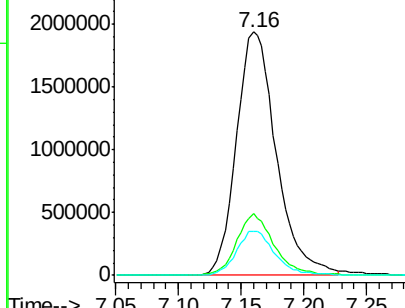
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:114 Resp: 4284443
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.8 14.2 21.4

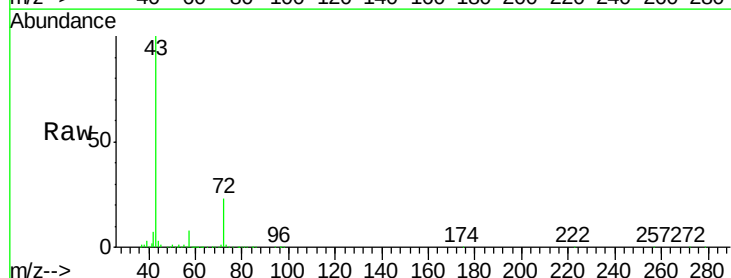


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

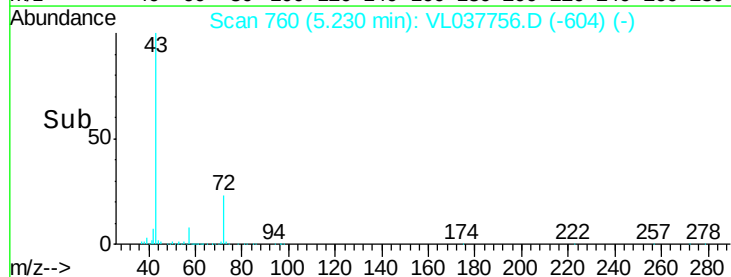
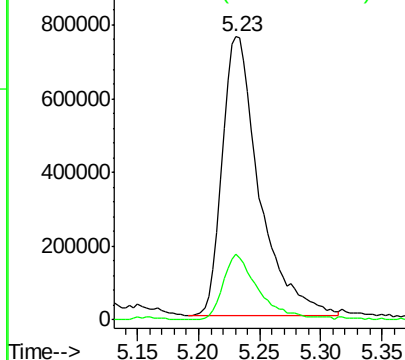


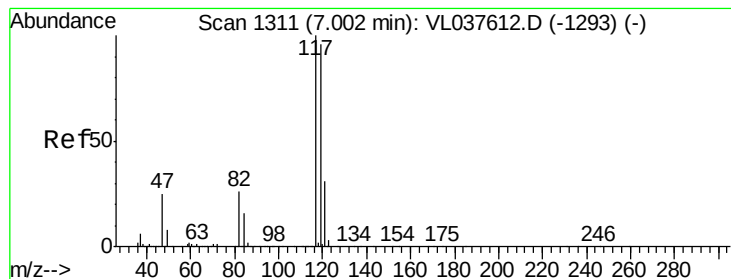
#34
 2-Butanone
 Concen: 9.348 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion: 43 Resp: 1627625
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.698 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

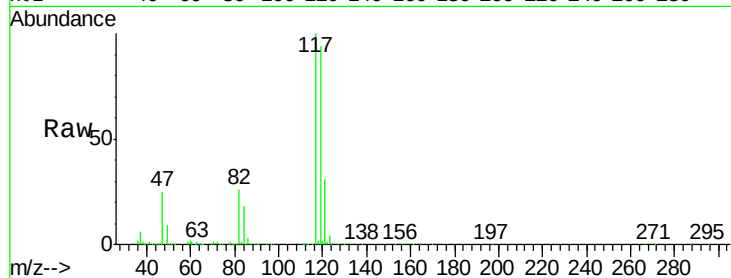
Tgt Ion:117 Resp: 2350420

Ion Ratio Lower Upper

117 100

119 94.5 77.0 115.6

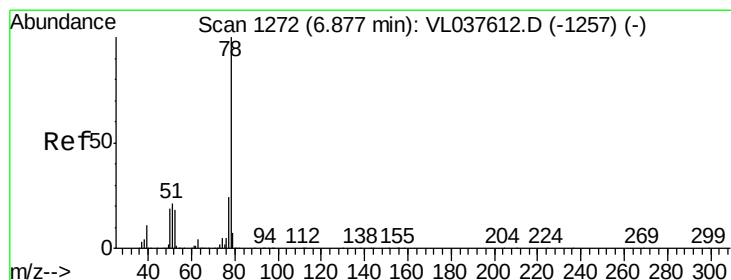
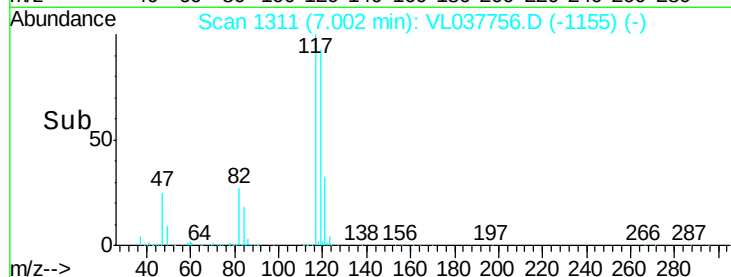
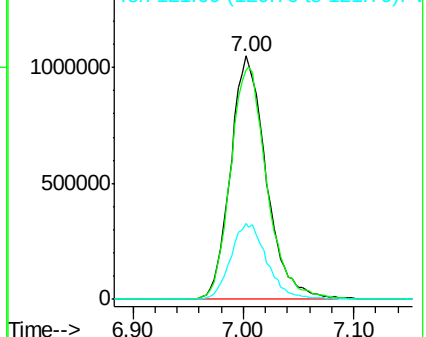
121 31.4 24.5 36.7



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: 9.898 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

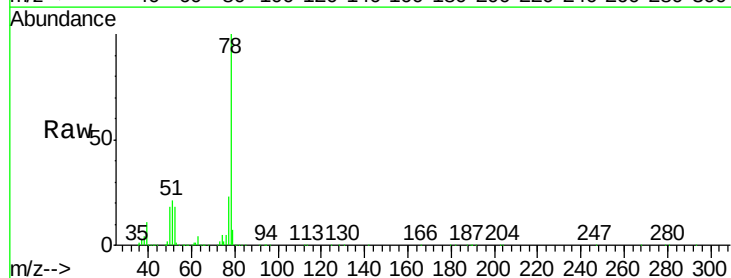
Tgt Ion: 78 Resp: 3536223

Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.4

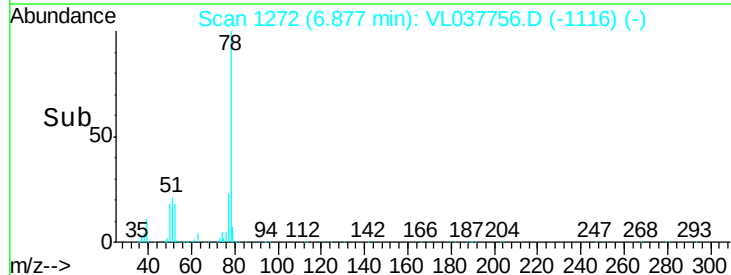
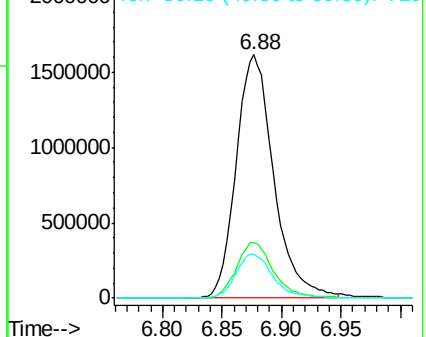
50 17.8 14.8 22.2

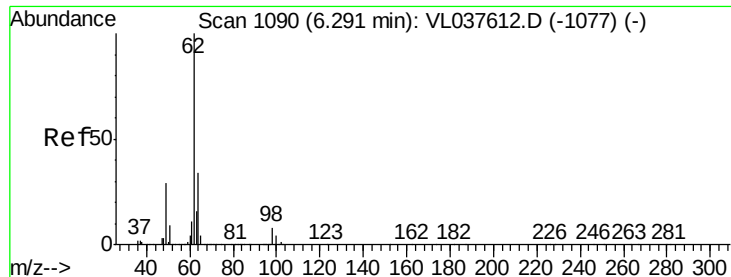


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

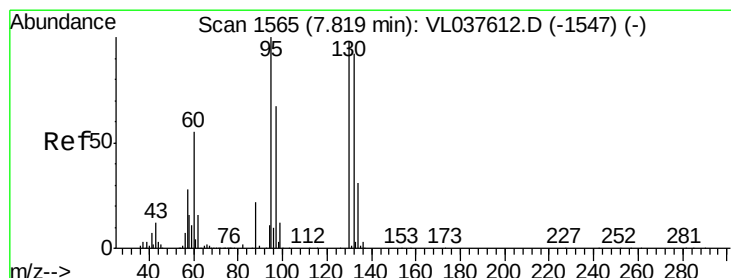
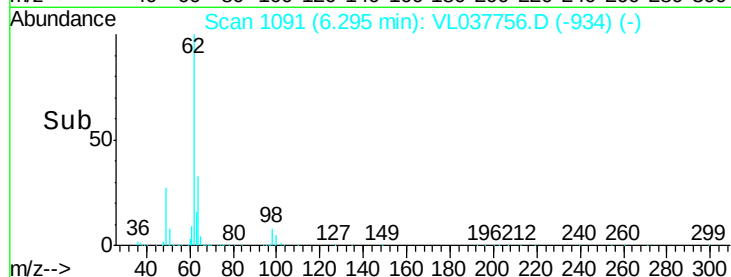
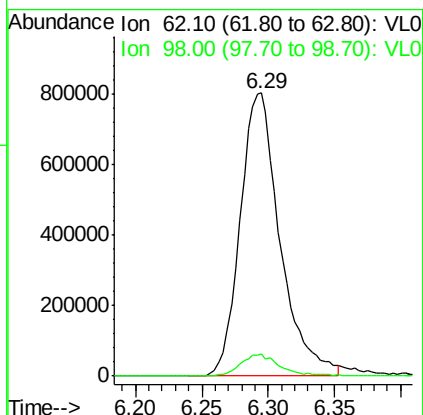
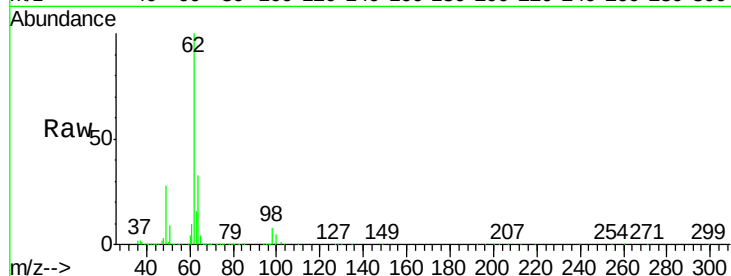




#37
 1,2-Dichloroethane
 Concen: 9.543 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

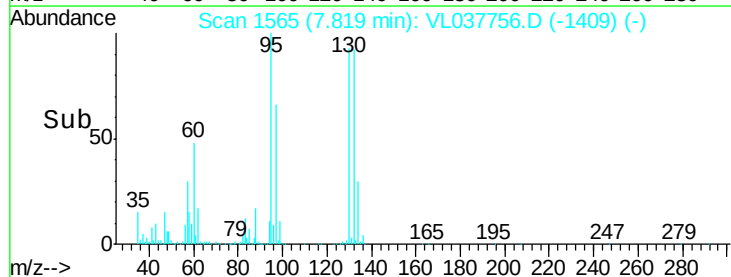
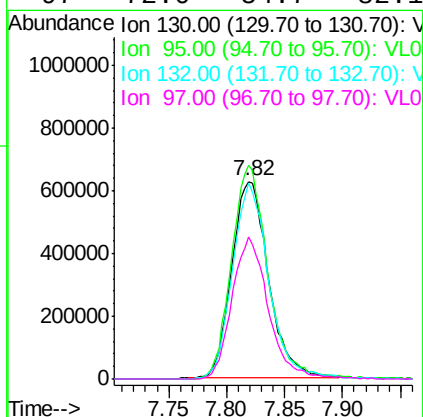
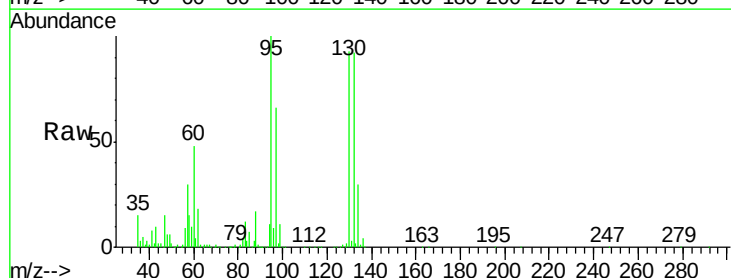
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

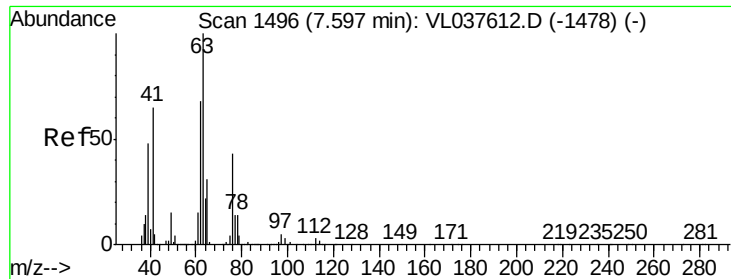
Tgt Ion: 62 Resp: 1676778
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.1 9.1



#38
 Trichloroethene
 Concen: 9.236 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion: 130 Resp: 1378375
 Ion Ratio Lower Upper
 130 100
 95 108.4 81.8 122.6
 132 99.5 75.3 112.9
 97 72.0 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.909 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

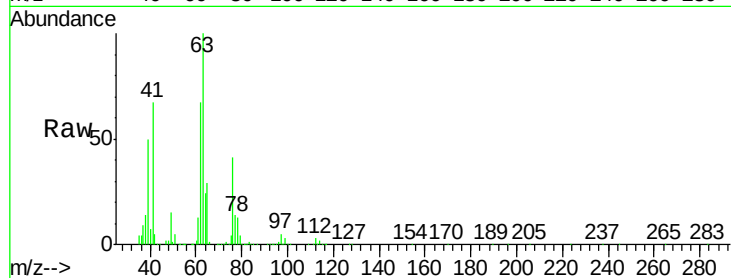
Tgt Ion: 63 Resp: 1355882

Ion Ratio Lower Upper

63 100

41 67.5 51.6 77.4

62 66.7 54.6 81.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0

7.60

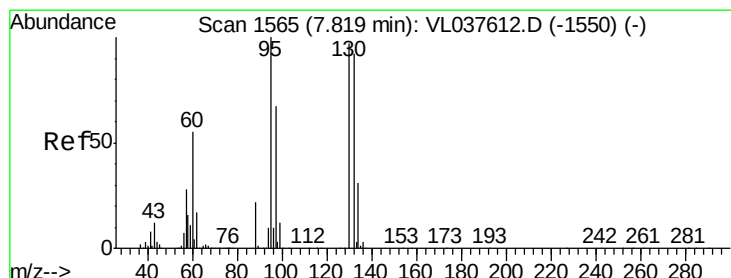
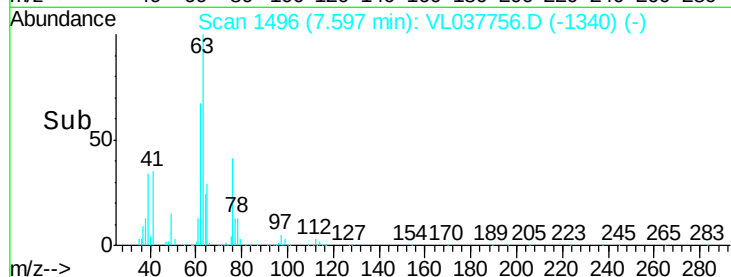
600000

400000

200000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#40

1,4-Dioxane

Concen: 1.990 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Tgt Ion: 88 Resp: 66240

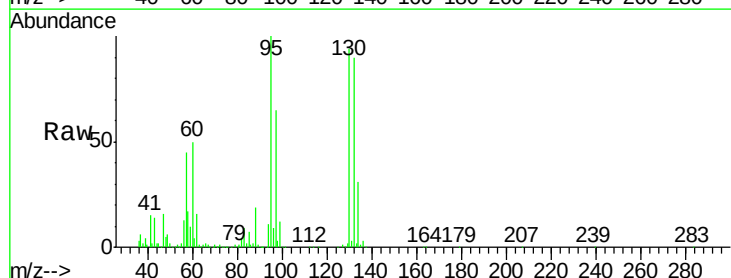
Ion Ratio Lower Upper

88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#



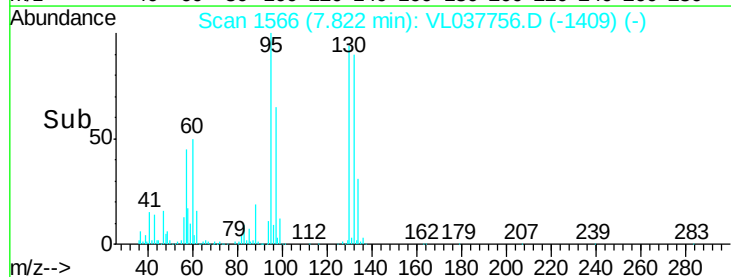
Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

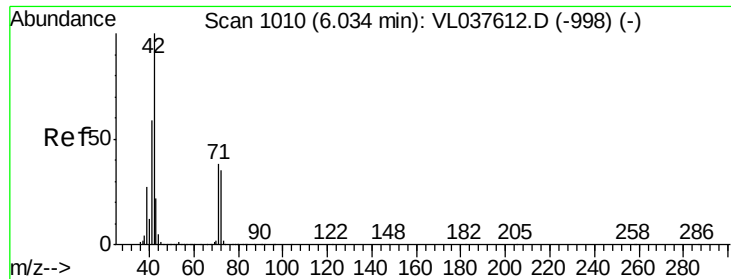
1000000

500000

0

Time--> 7.82 7.82 7.83 7.83

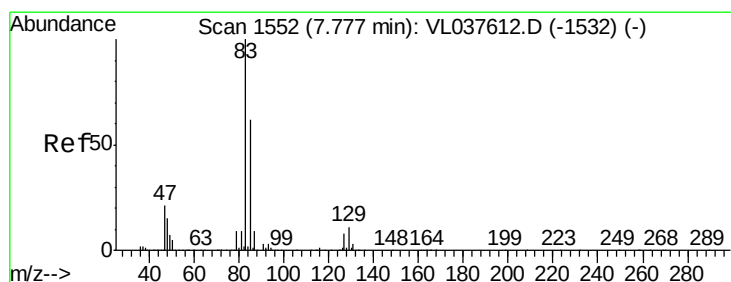
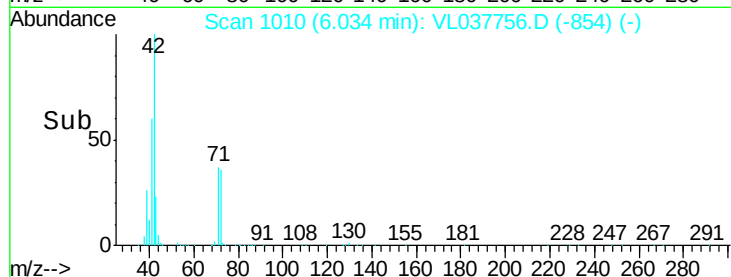
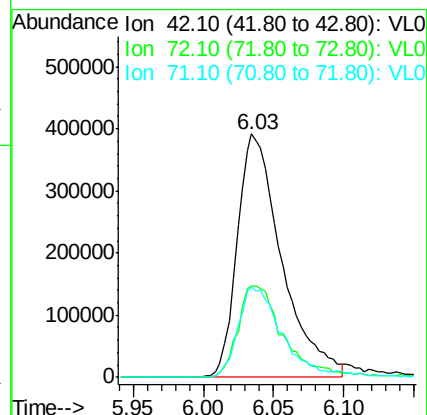
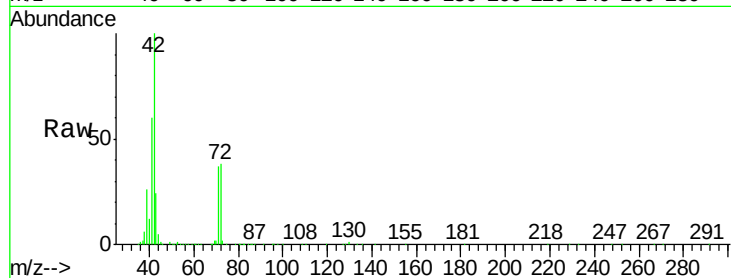




#41
Tetrahydrofuran
Concen: 10.527 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

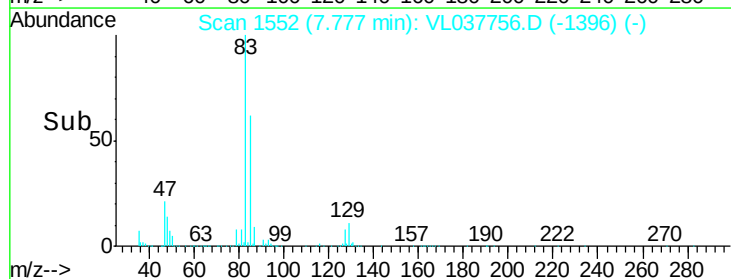
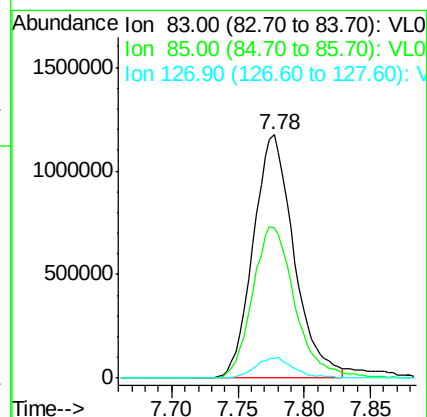
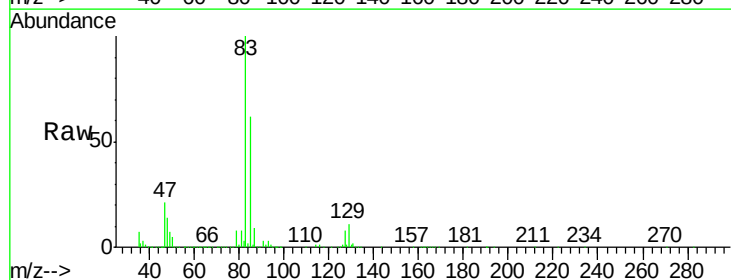
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

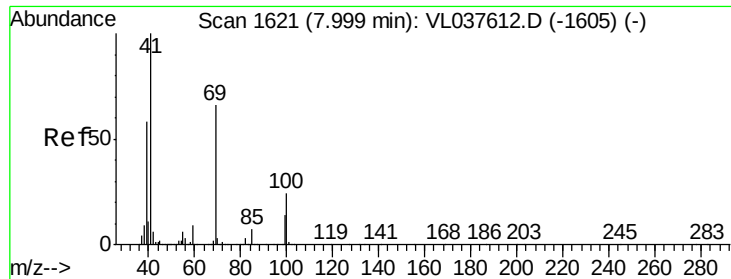
Tgt Ion: 42 Resp: 861667
Ion Ratio Lower Upper
42 100
72 39.7 31.4 47.2
71 38.1 30.6 46.0



#42
Bromodichloromethane
Concen: 10.002 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 83 Resp: 2518802
Ion Ratio Lower Upper
83 100
85 61.7 49.8 74.6
127 7.9 6.4 9.6

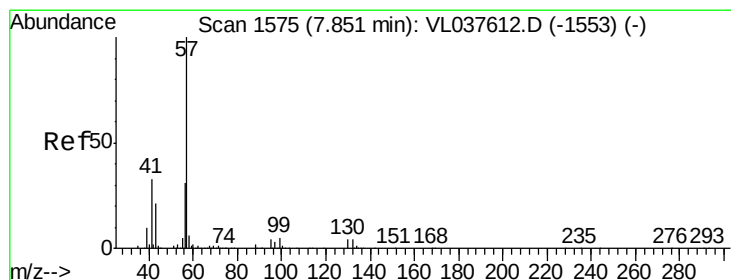
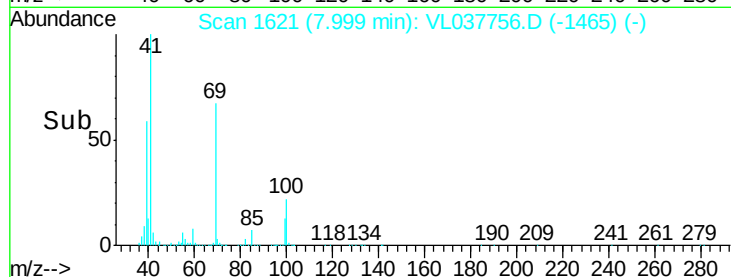
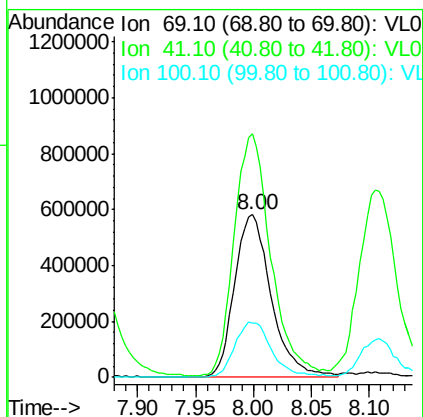
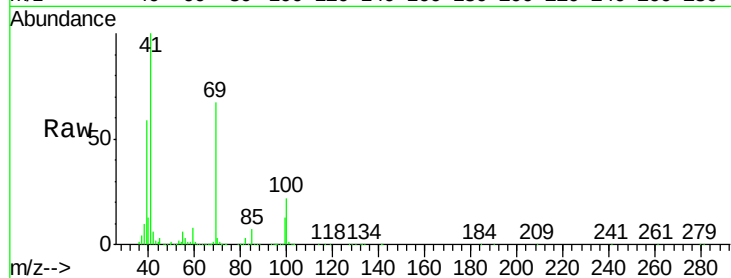




#43
Methyl Methacrylate
Concen: 10.839 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

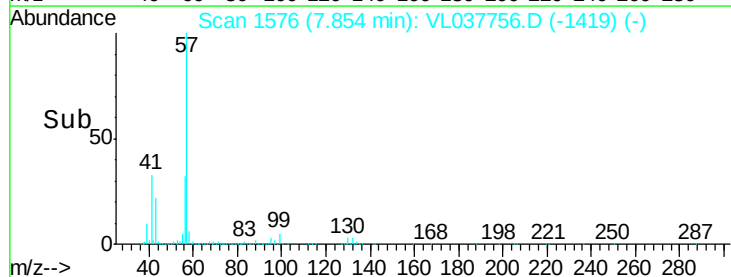
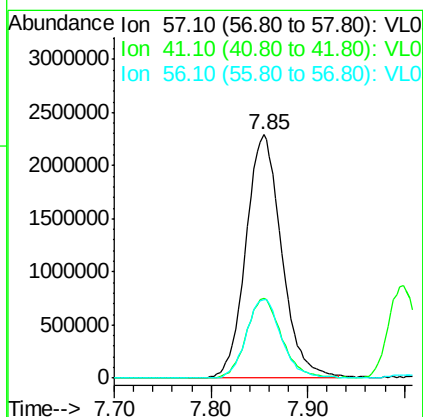
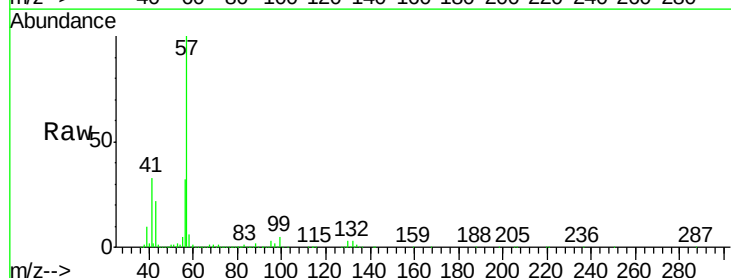
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

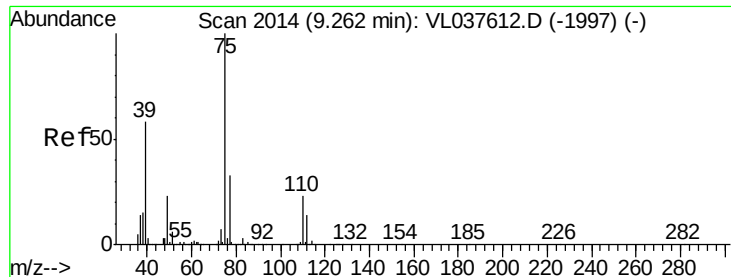
Tgt Ion: 69 Resp: 1288235
Ion Ratio Lower Upper
69 100
41 148.7 119.0 178.4
100 33.9 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.780 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 57 Resp: 5874040
Ion Ratio Lower Upper
57 100
41 32.5 26.1 39.1
56 32.1 25.7 38.5

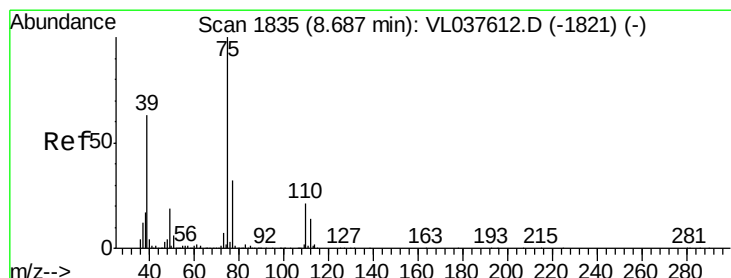
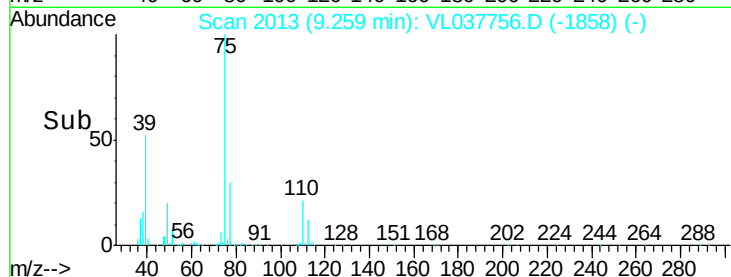
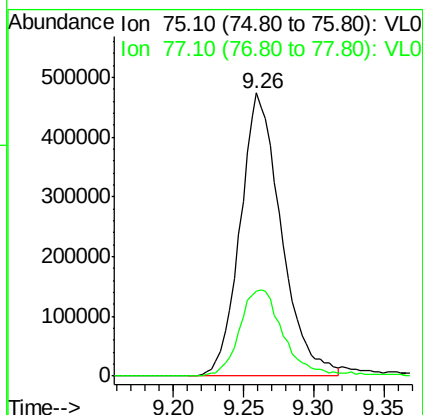
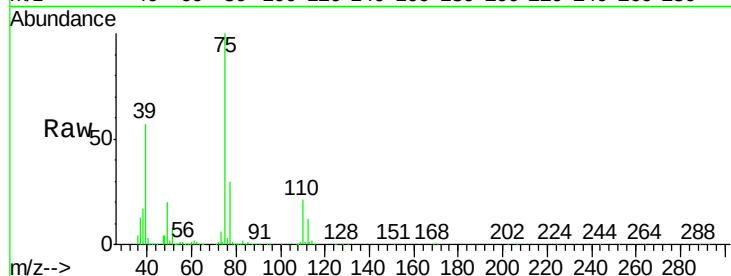




#45
 t-1,3-Dichloropropene
 Concen: 10.307 ppbv
 RT: 9.26 min Scan# 2013
 Delta R.T. -0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

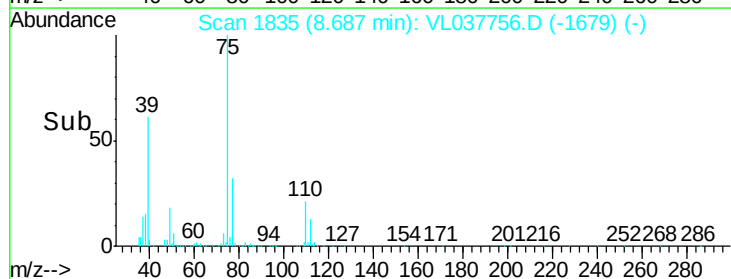
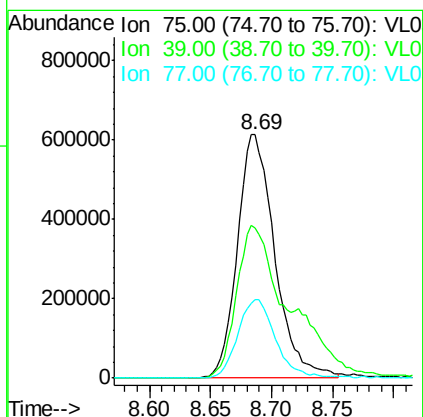
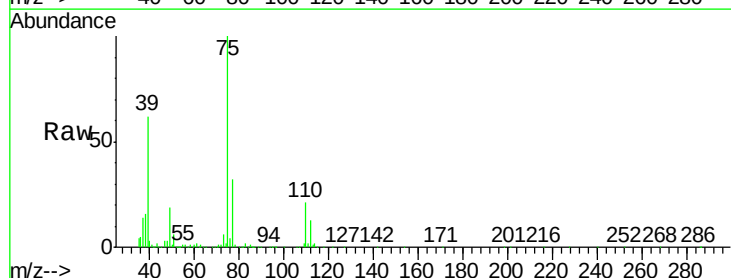
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

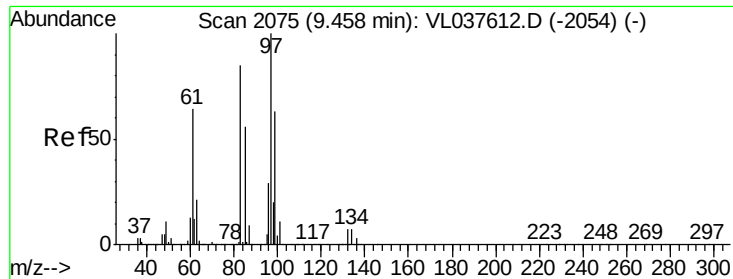
Tgt Ion: 75 Resp: 962210
 Ion Ratio Lower Upper
 75 100
 77 30.0 26.3 39.5



#46
 cis-1,3-Dichloropropene
 Concen: 10.327 ppbv
 RT: 8.69 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion: 75 Resp: 1302375
 Ion Ratio Lower Upper
 75 100
 39 61.4 50.2 75.4
 77 32.4 25.2 37.8



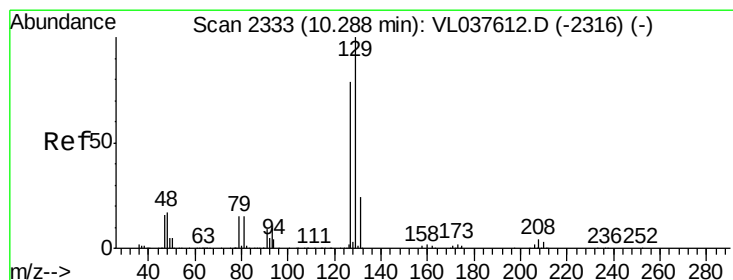
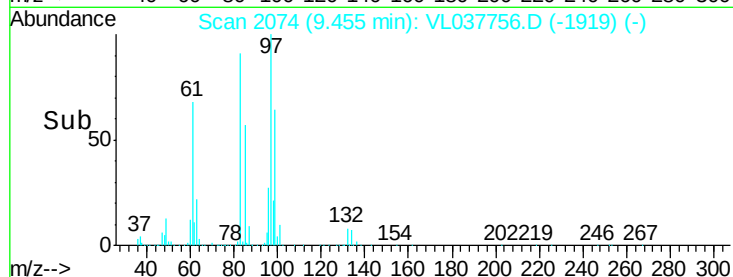
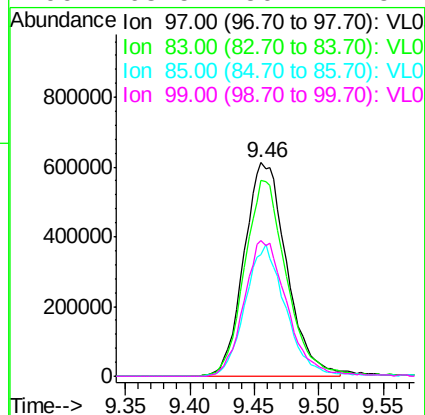
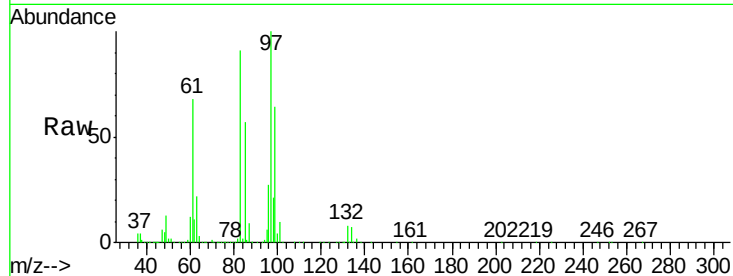


#47
 1,1,2-Trichloroethane
 Concen: 9.322 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1411131

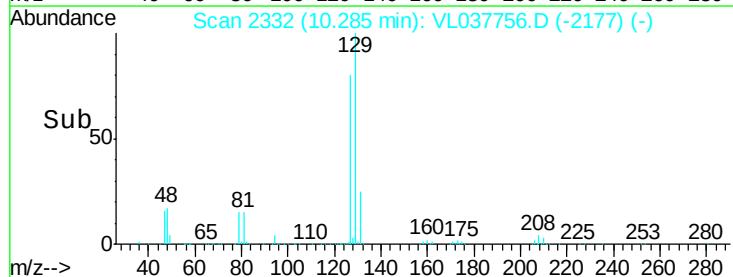
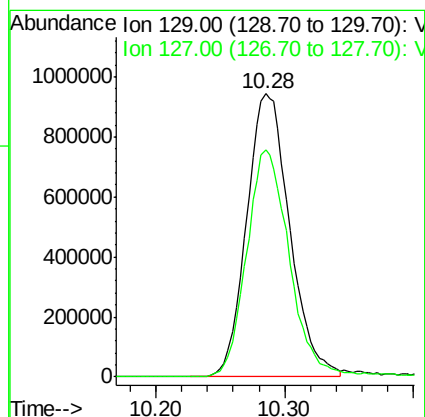
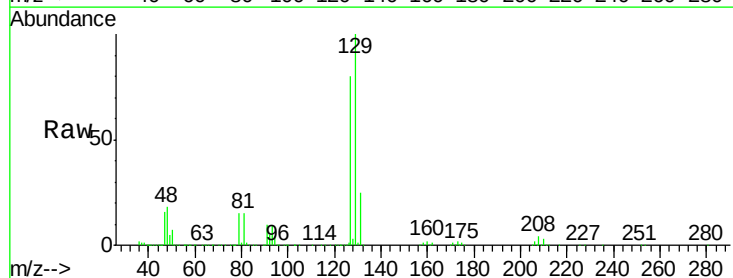
Ion	Ratio	Lower	Upper
97	100		
83	91.4	67.9	101.9
85	57.1	44.8	67.2
99	63.5	50.1	75.1

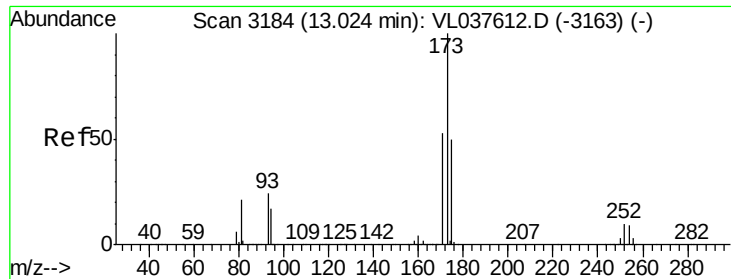


#48
 Dibromochloromethane
 Concen: 10.395 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion: 129 Resp: 2195222

Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.3	117.8





#49

Bromoform

Concen: 10.577 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

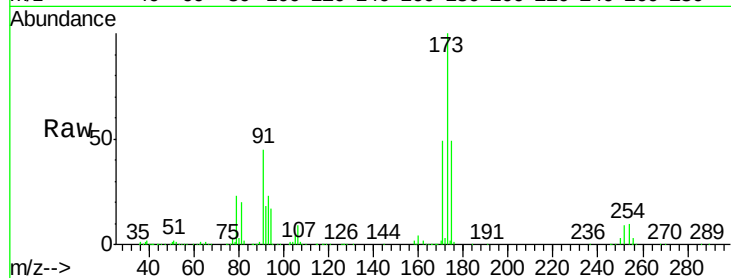
Tgt Ion:173 Resp: 1787630

Ion Ratio Lower Upper

173 100

175 50.3 39.8 59.8

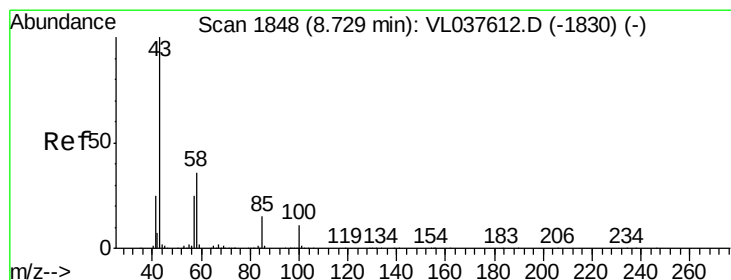
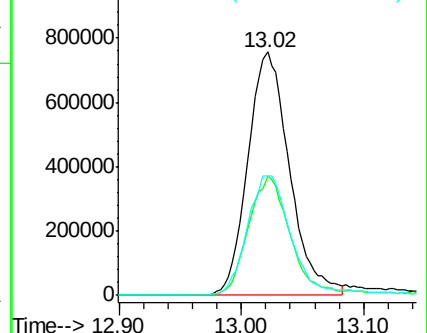
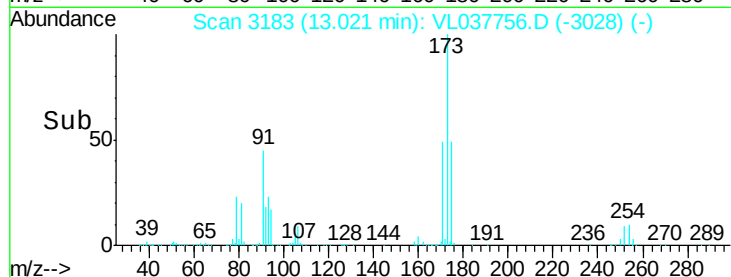
171 53.1 42.2 63.4



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: 10.559 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL037756.D

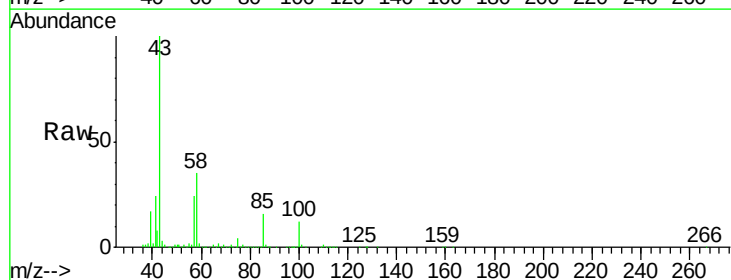
Acq: 2 Oct 2021 00:24

Tgt Ion: 43 Resp: 2333383

Ion Ratio Lower Upper

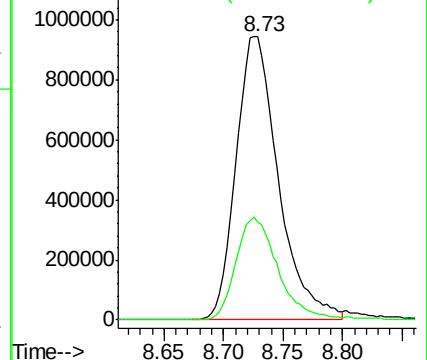
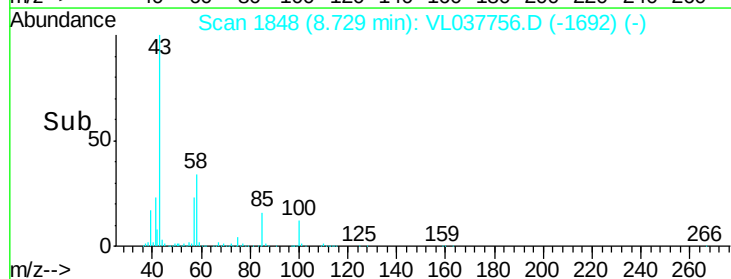
43 100

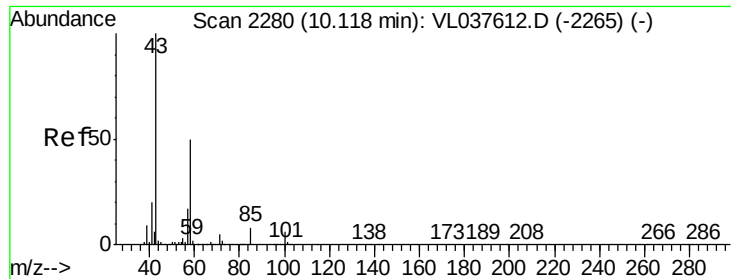
58 36.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

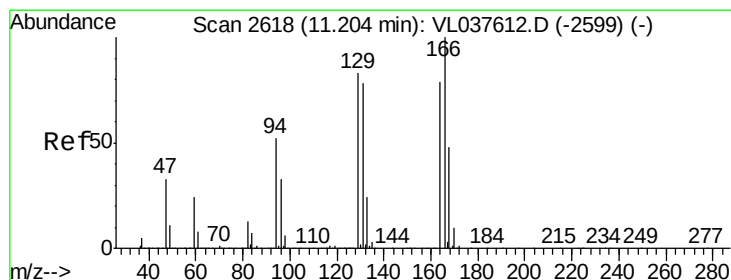
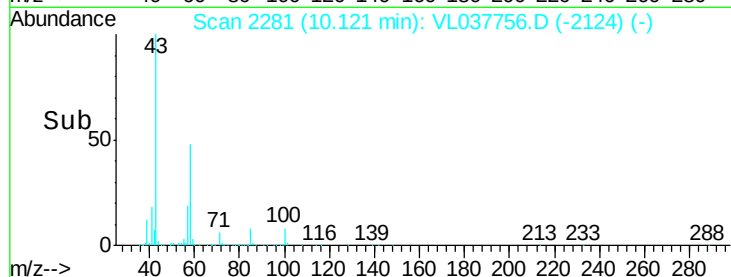
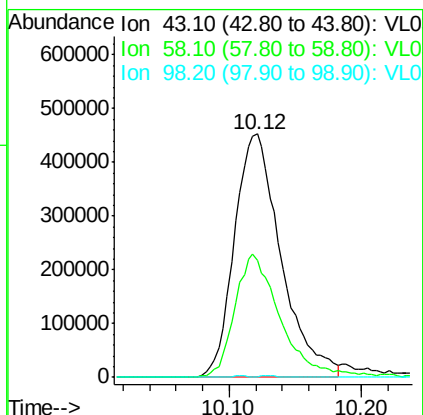
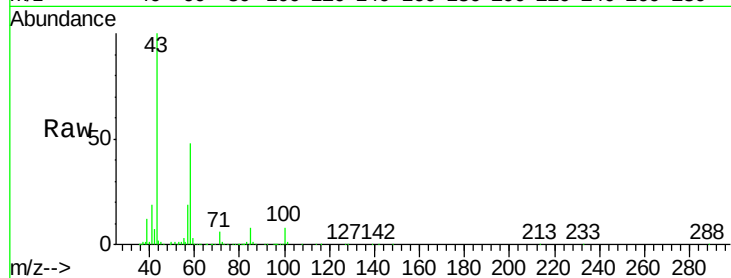




#51
2-Hexanone
Concen: 11.376 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

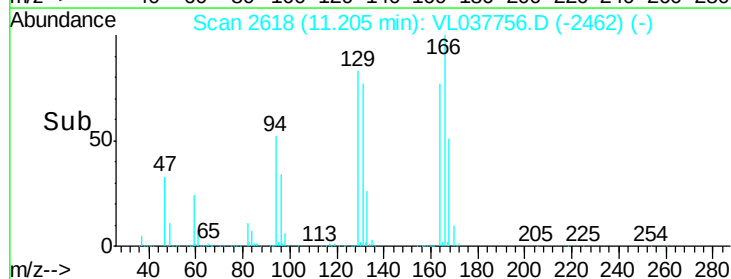
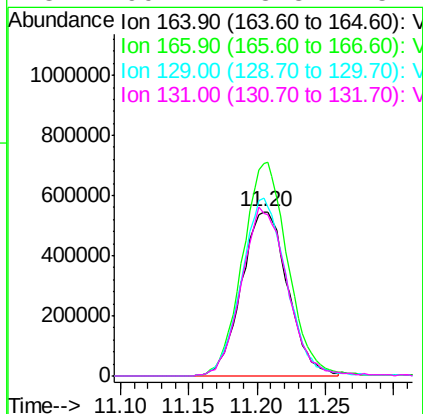
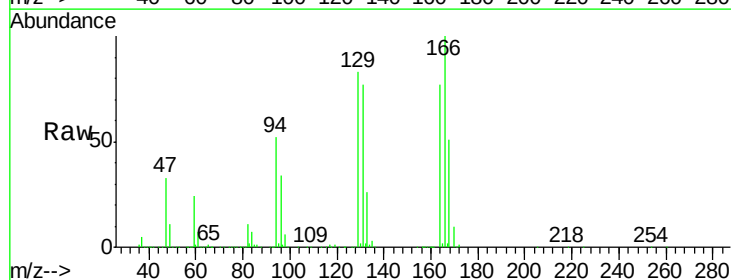
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

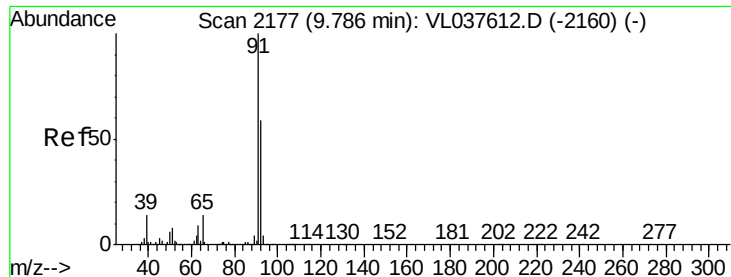
Tgt Ion: 43 Resp: 1109162
Ion Ratio Lower Upper
43 100
58 49.7 39.3 58.9
98 0.7 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.375 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 164 Resp: 1285800
Ion Ratio Lower Upper
164 100
166 129.3 101.2 151.8
129 107.7 84.0 126.0
131 99.2 78.8 118.2





#53

Toluene

Concen: 10.233 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

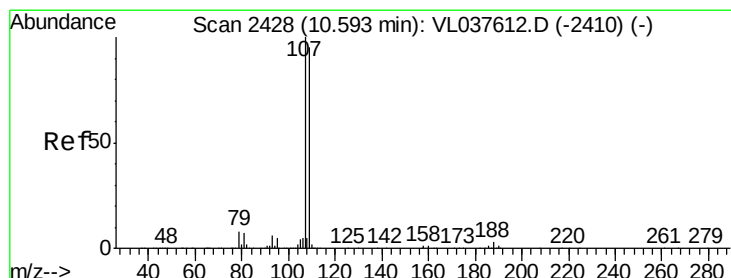
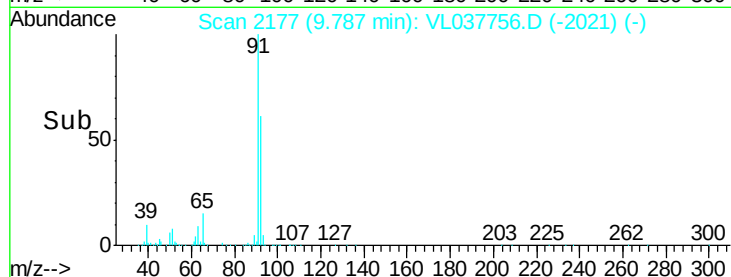
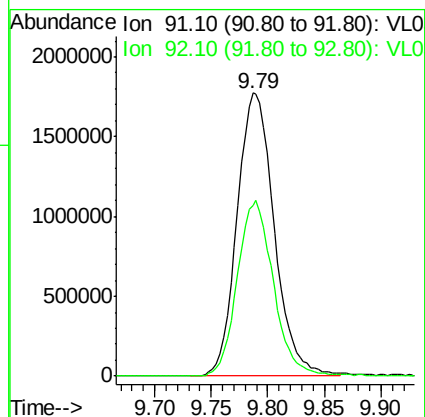
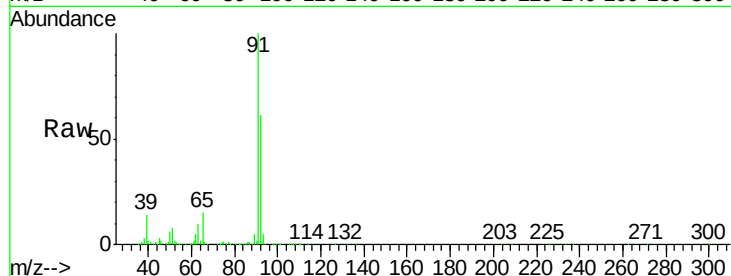
VSTDCCC010EC

Tgt Ion: 91 Resp: 4063834

Ion Ratio Lower Upper

91 100

92 60.6 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.571 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037756.D

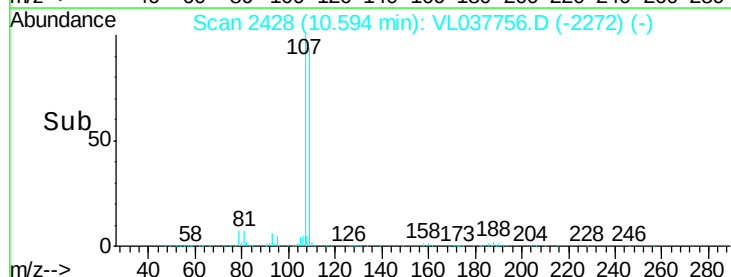
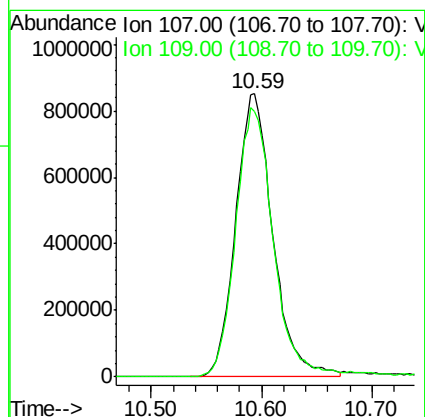
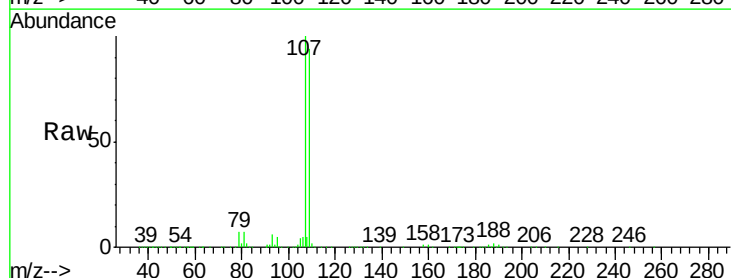
Acq: 2 Oct 2021 00:24

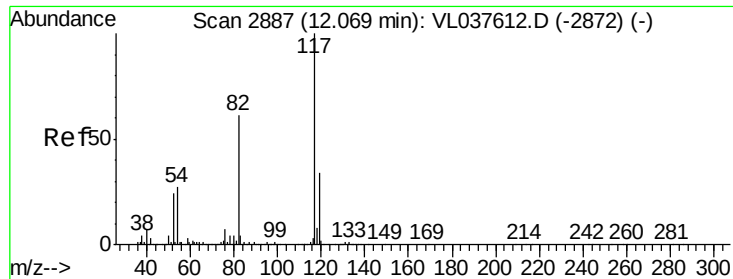
Tgt Ion: 107 Resp: 1983790

Ion Ratio Lower Upper

107 100

109 93.5 76.0 114.0

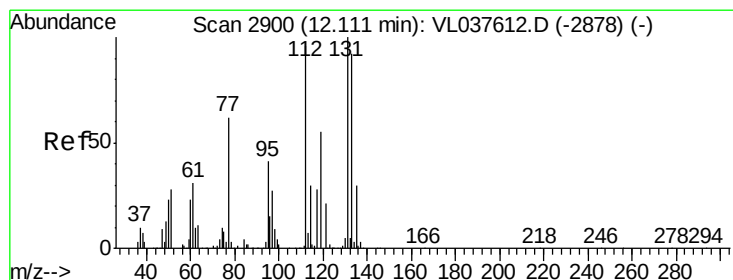
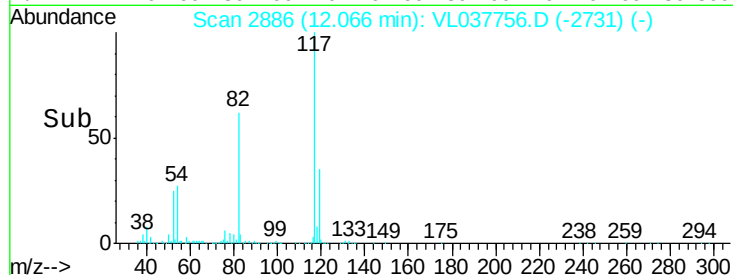
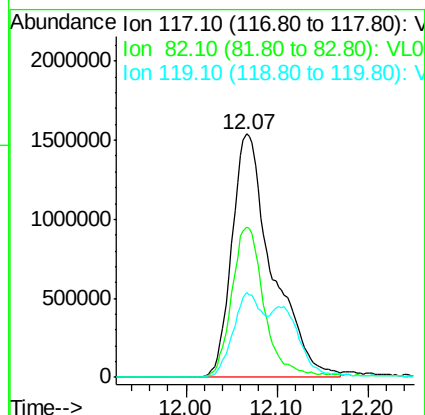
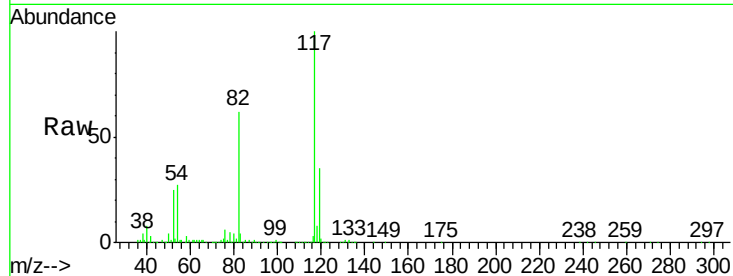




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

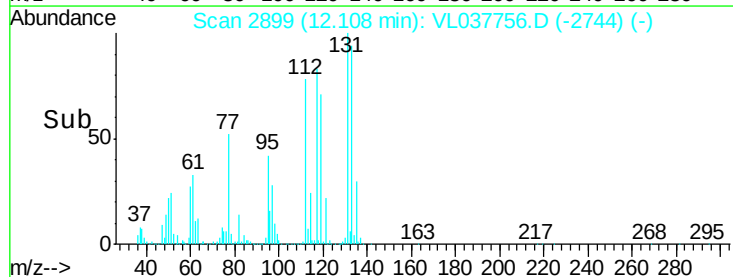
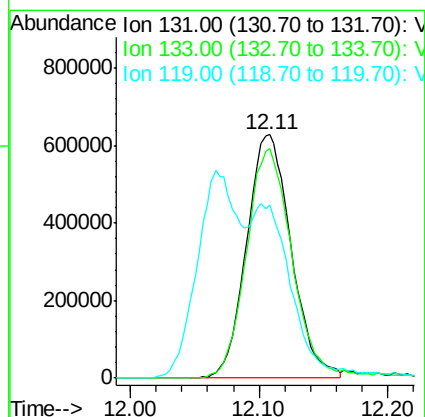
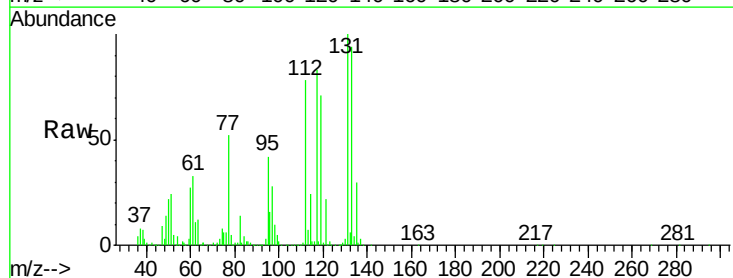
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

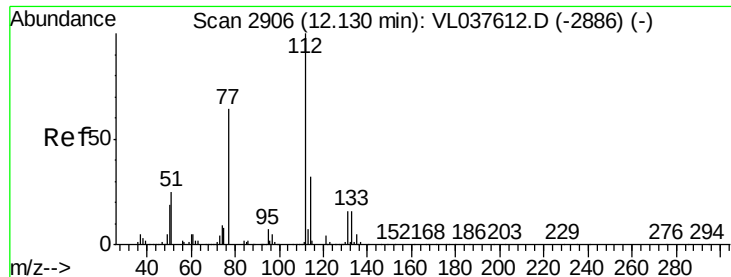
Tgt Ion:117 Resp: 4739441
Ion Ratio Lower Upper
117 100
82 50.7 50.6 75.8
119 47.9 26.2 39.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.682 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion:131 Resp: 1510235
Ion Ratio Lower Upper
131 100
133 97.8 76.8 115.2
119 150.4 47.8 71.8#





#57

Chlorobenzene

Concen: 7.386 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

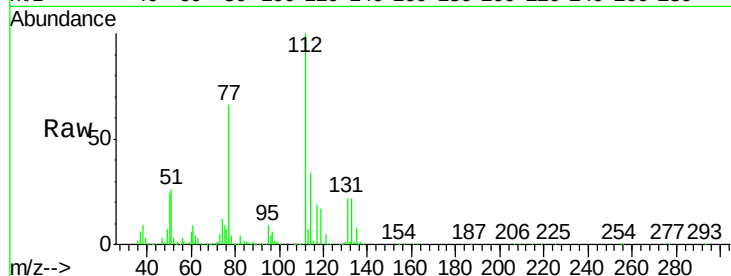
Tgt Ion: 112 Resp: 2910104

Ion Ratio Lower Upper

112 100

77 64.7 52.1 78.1

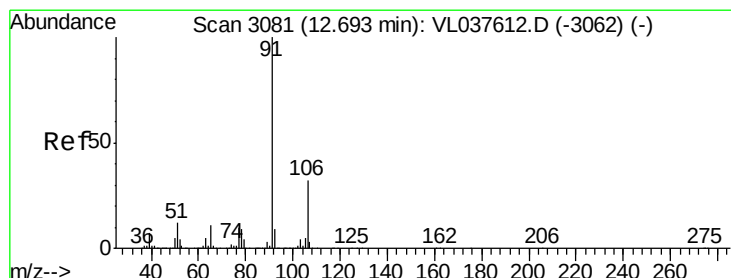
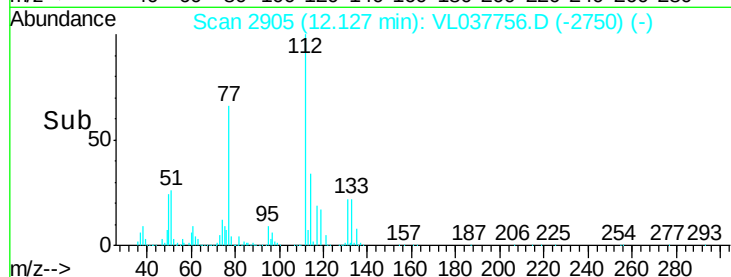
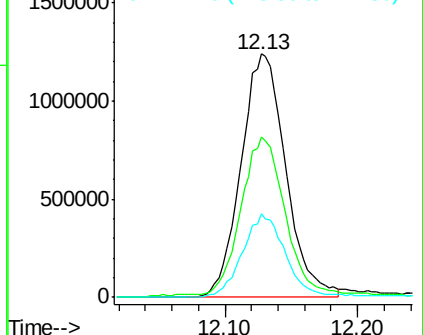
114 34.1 29.2 35.6



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: 8.150 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.00 min

Lab File: VL037756.D

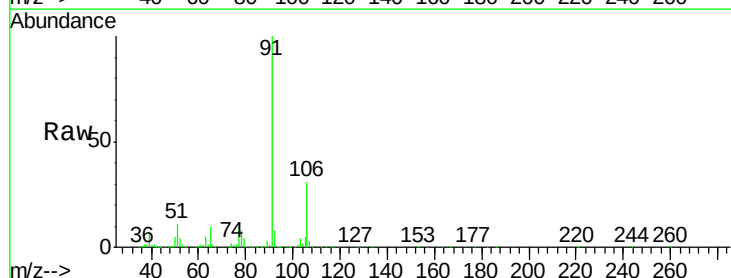
Acq: 2 Oct 2021 00:24

Tgt Ion: 91 Resp: 5127233

Ion Ratio Lower Upper

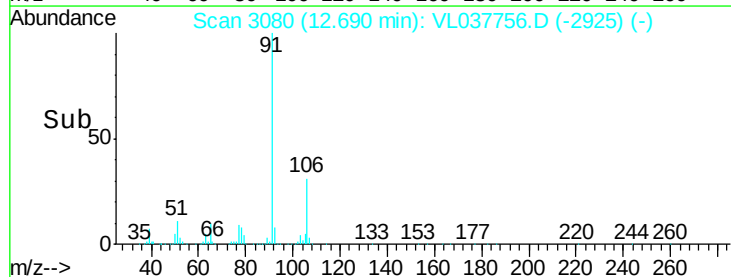
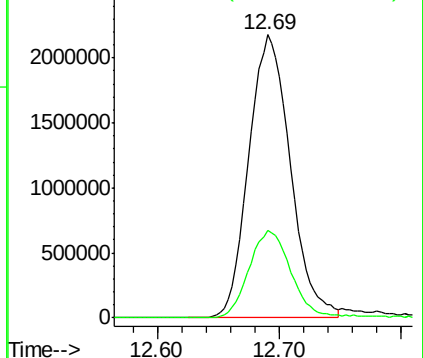
91 100

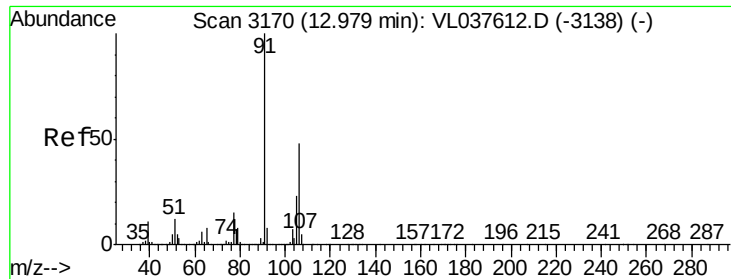
106 30.9 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.623 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

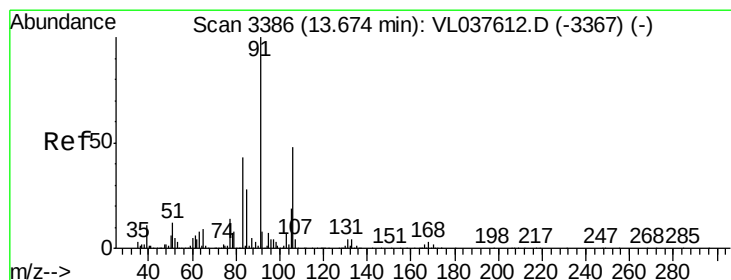
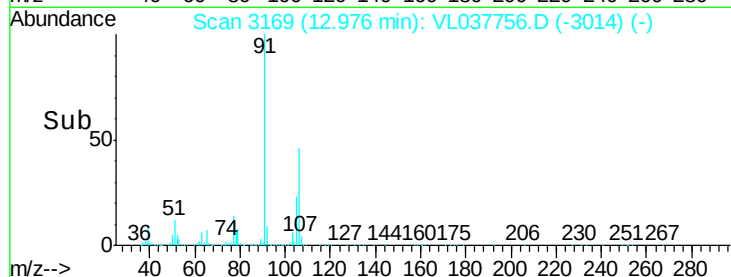
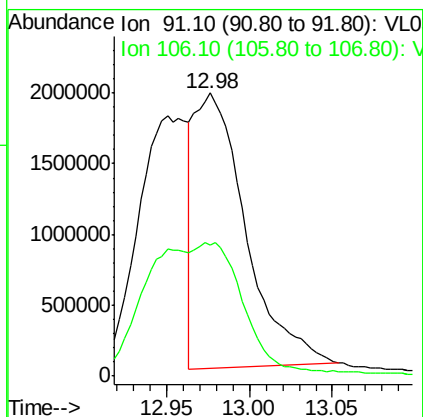
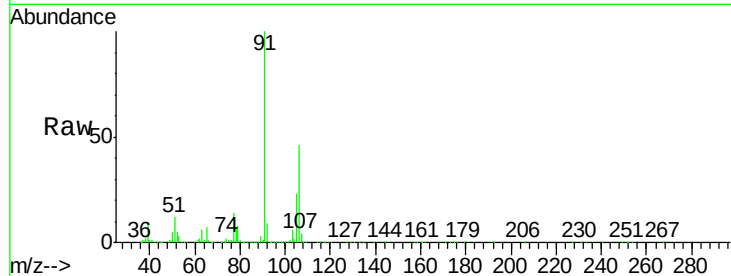
VSTDCCC010EC

Tgt Ion: 91 Resp: 4179471

Ion Ratio Lower Upper

91 100

106 94.9 36.6 55.0#



#60

o-Xylene

Concen: 7.579 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL037756.D

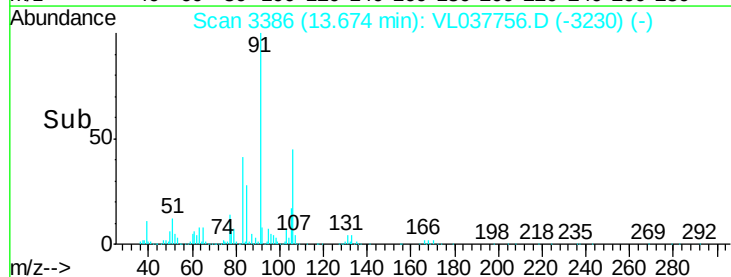
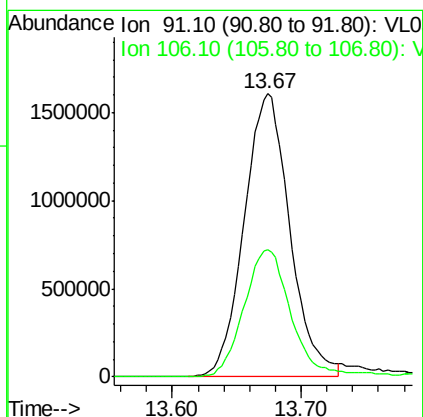
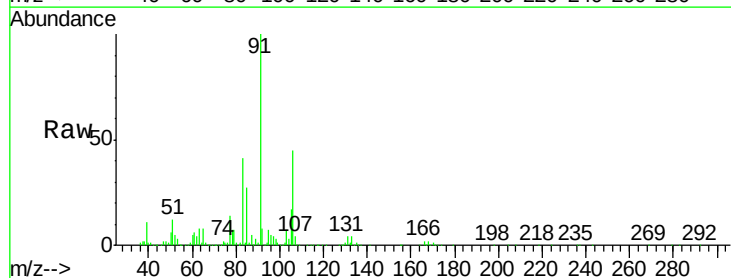
Acq: 2 Oct 2021 00:24

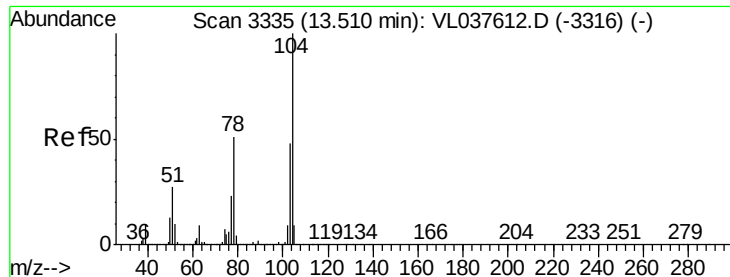
Tgt Ion: 91 Resp: 3954771

Ion Ratio Lower Upper

91 100

106 48.2 23.0 69.0





#61

Styrene

Concen: 8.622 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

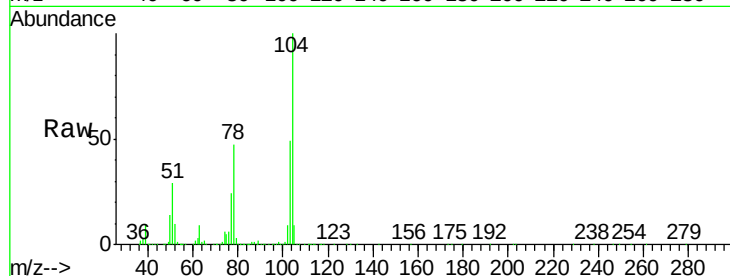
Tgt Ion:104 Resp: 2218653

Ion Ratio Lower Upper

104 100

78 50.7 39.7 59.5

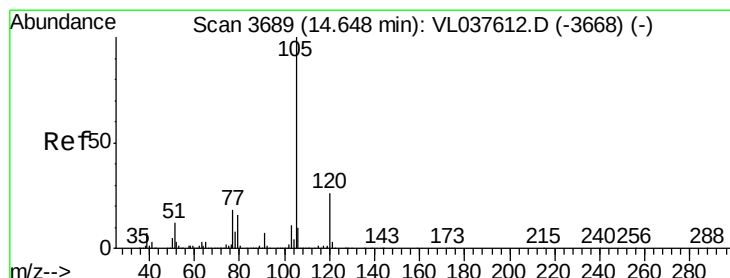
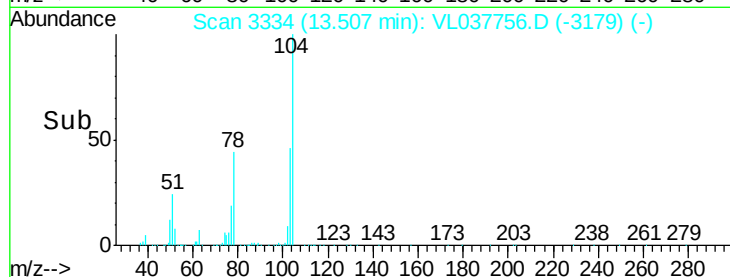
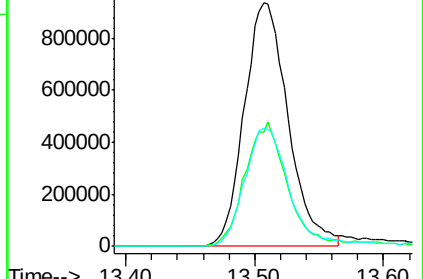
103 50.1 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.568 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VL037756.D

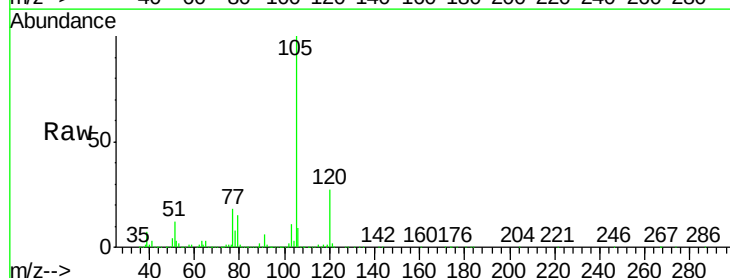
Acq: 2 Oct 2021 00:24

Tgt Ion:105 Resp: 5517102

Ion Ratio Lower Upper

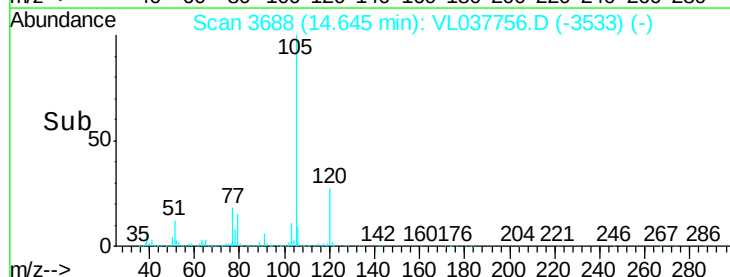
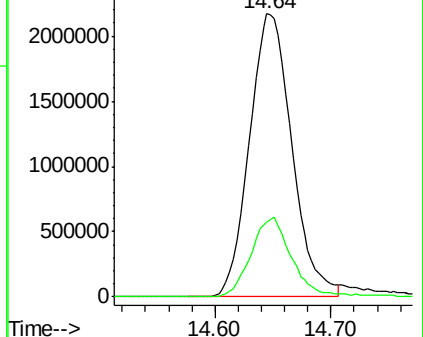
105 100

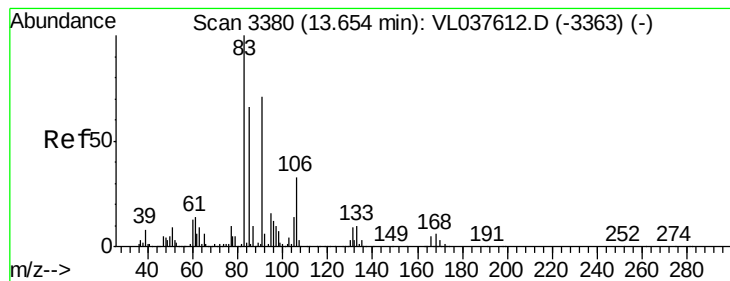
120 27.5 21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.128 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

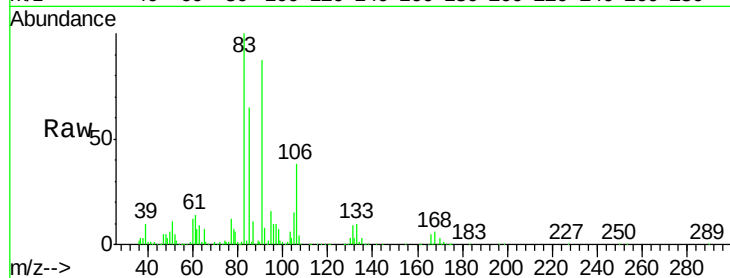
Tgt Ion: 83 Resp: 2911028

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

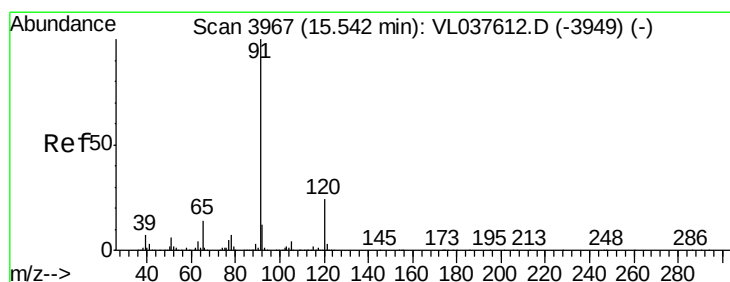
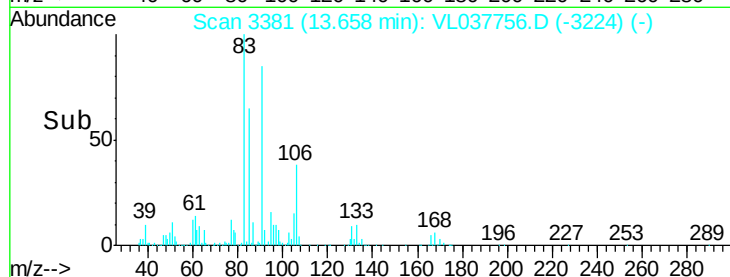
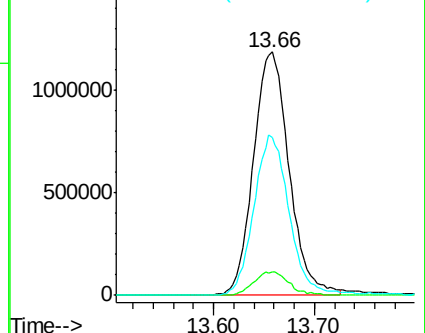
85 66.4 33.3 99.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.882 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037756.D

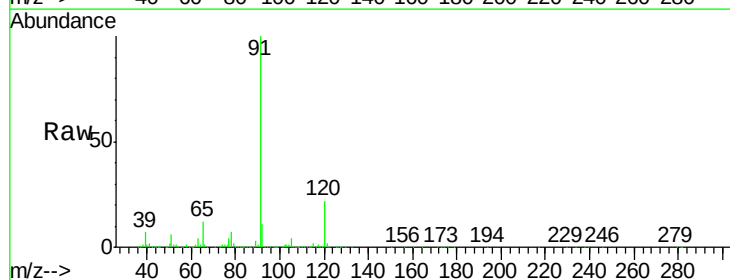
Acq: 2 Oct 2021 00:24

Tgt Ion: 120 Resp: 1482810

Ion Ratio Lower Upper

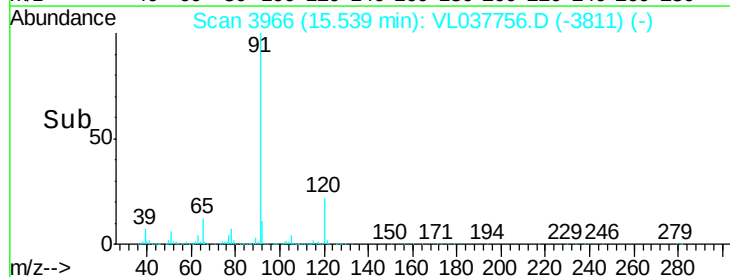
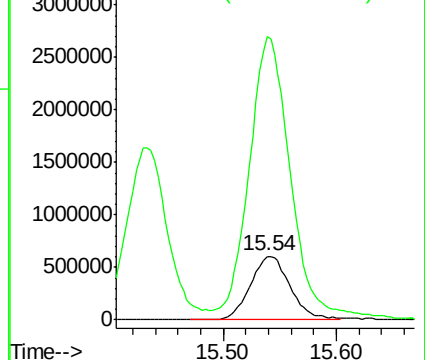
120 100

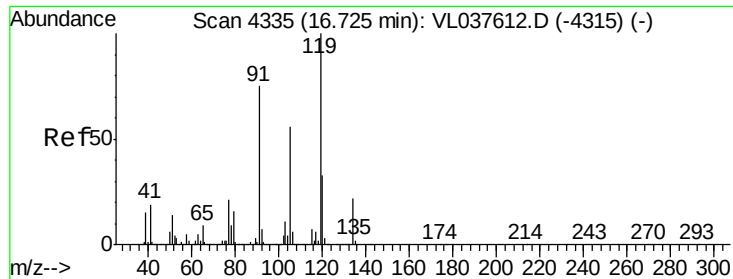
91 467.2 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

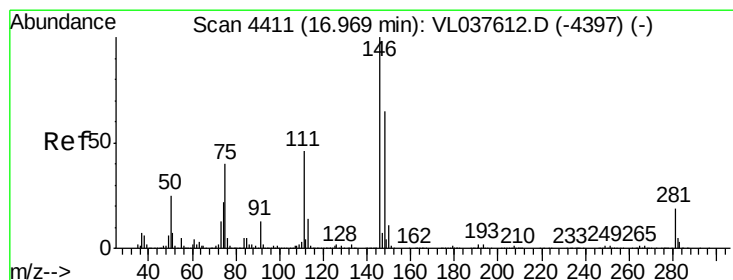
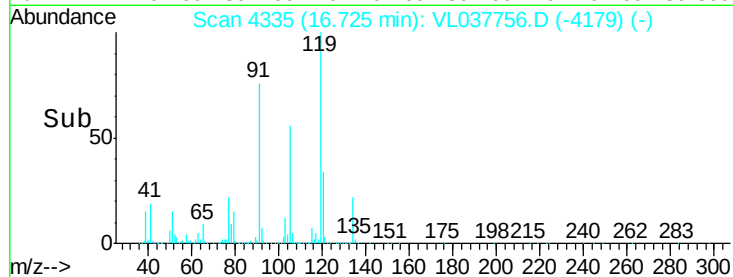
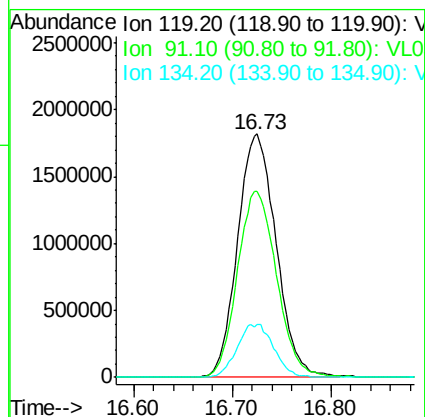
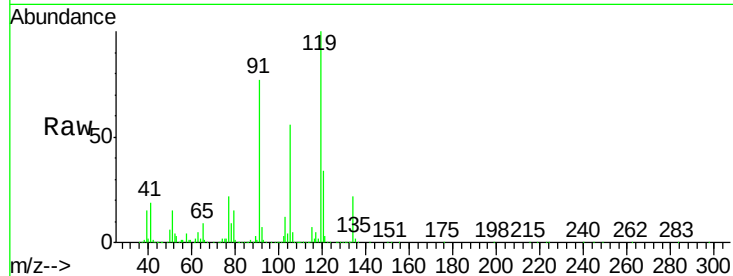




#65
 tert-Butylbenzene
 Concen: 7.498 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

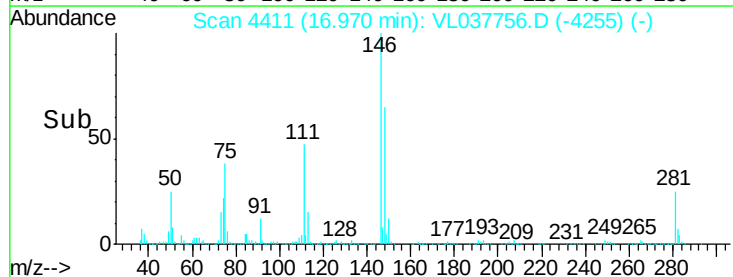
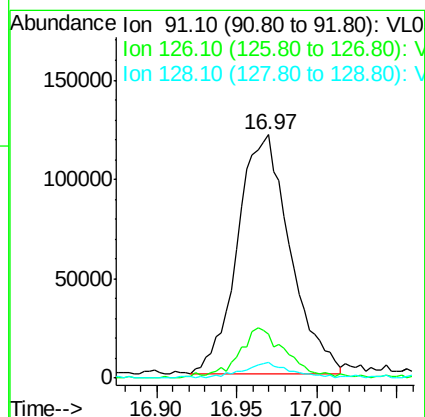
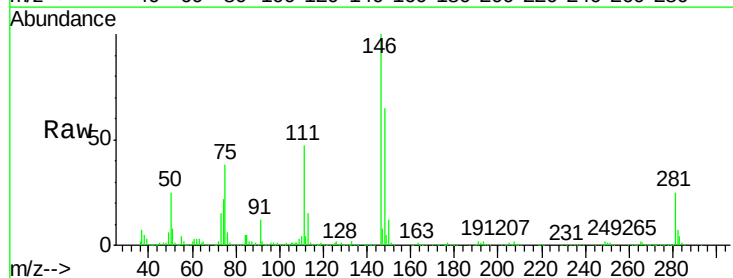
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

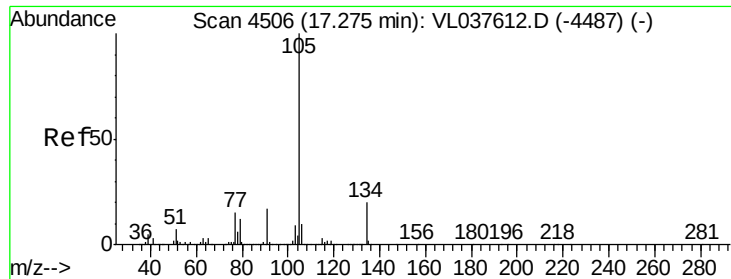
Tgt Ion: 119 Resp: 4928476
 Ion Ratio Lower Upper
 119 100
 91 77.9 61.9 92.9
 134 21.0 16.5 24.7



#66
 Benzyl Chloride
 Concen: 7.546 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion: 91 Resp: 271026
 Ion Ratio Lower Upper
 91 100
 126 19.4 14.4 21.6
 128 6.2 5.7 8.5





#67

sec-Butylbenzene

Concen: 7.668 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. -0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

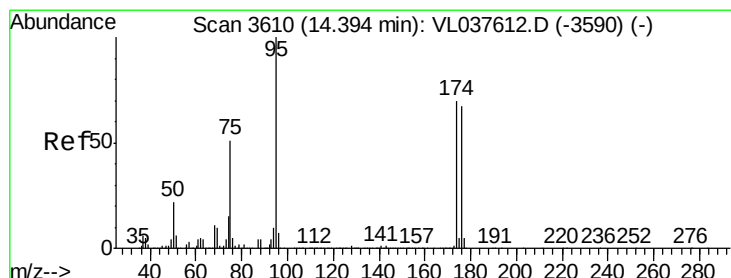
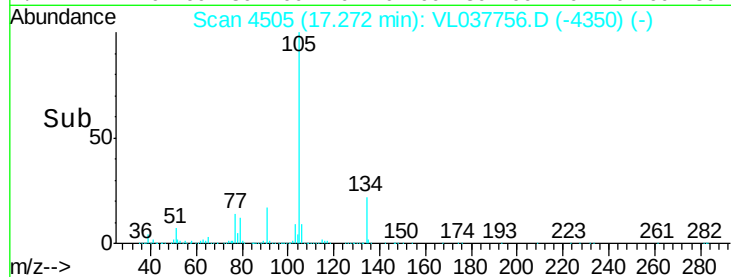
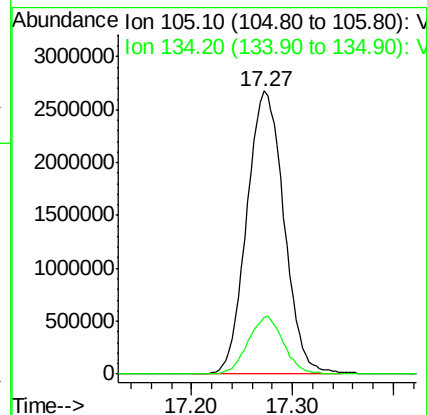
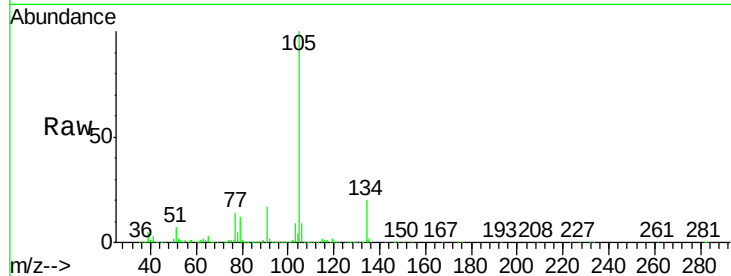
VSTDCCC010EC

Tgt Ion: 105 Resp: 6838012

Ion Ratio Lower Upper

105 100

134 19.4 15.7 23.5



#68

1-Bromo-4-Fluorobenzene

Concen: 7.931 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

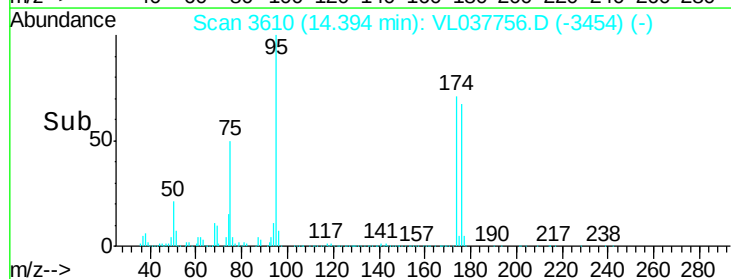
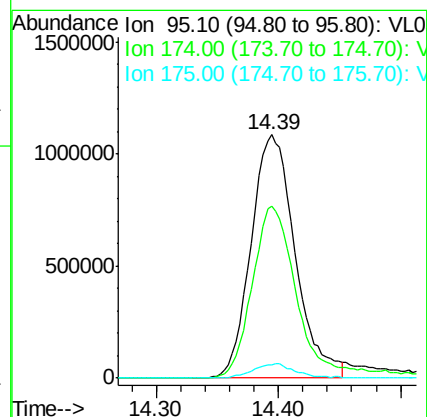
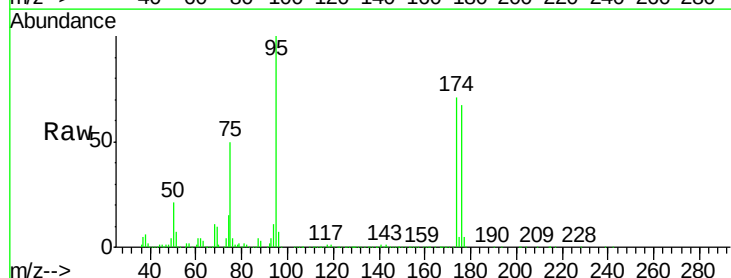
Tgt Ion: 95 Resp: 2716553

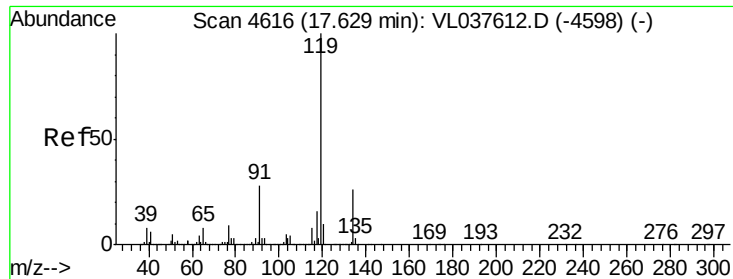
Ion Ratio Lower Upper

95 100

174 74.4 56.3 84.5

175 5.8 4.4 6.6

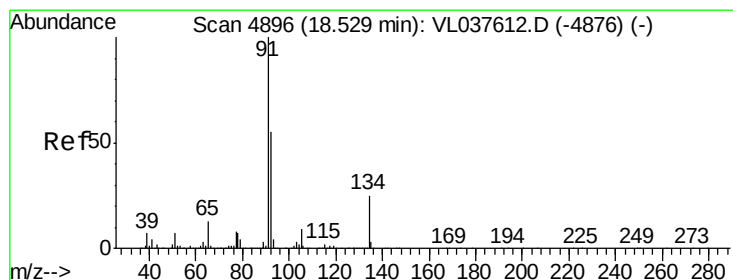
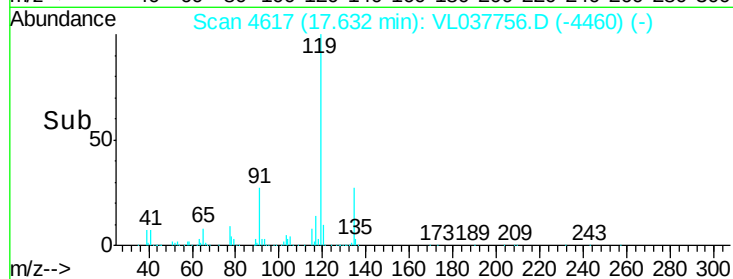
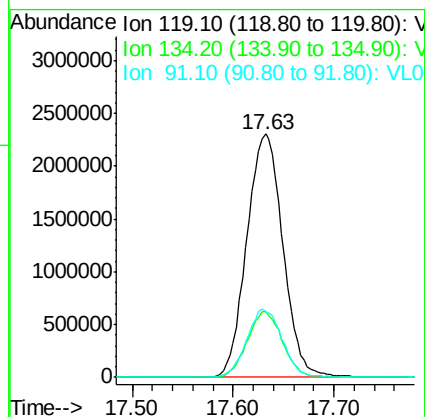
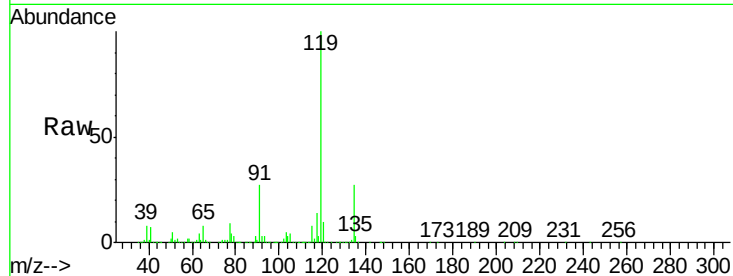




#69
p-Isopropyltoluene
Concen: 7.843 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

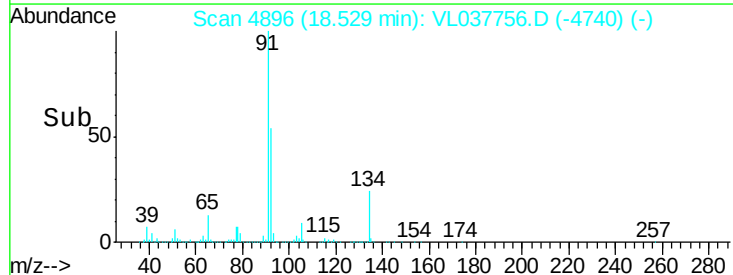
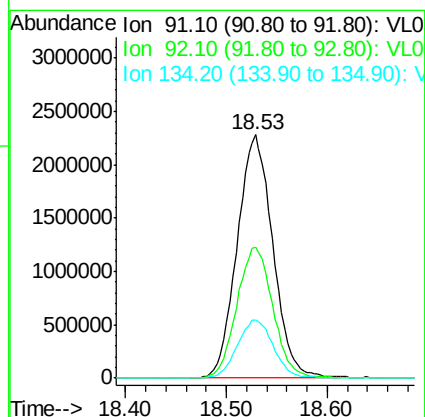
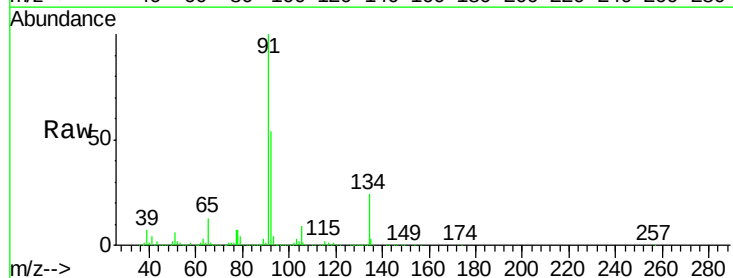
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

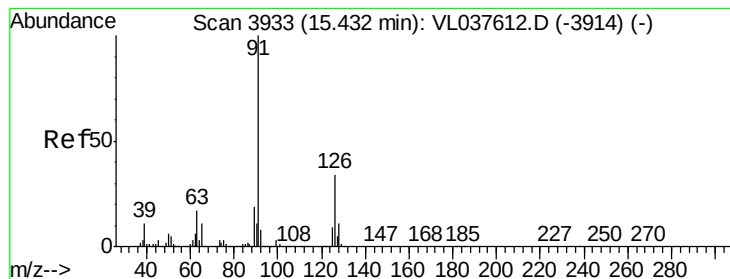
Tgt Ion: 119 Resp: 5713988
Ion Ratio Lower Upper
119 100
134 26.4 21.2 31.8
91 27.7 22.2 33.2



#70
n-Butylbenzene
Concen: 8.102 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 91 Resp: 5584881
Ion Ratio Lower Upper
91 100
92 54.4 44.0 66.0
134 24.4 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.840 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

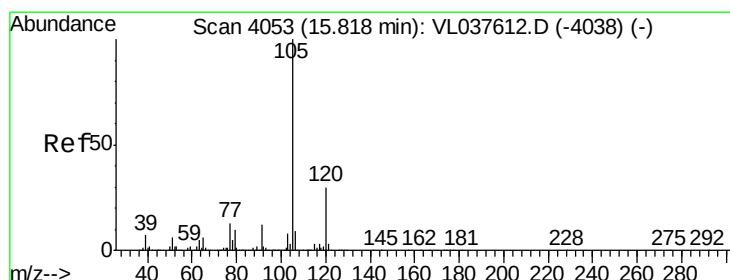
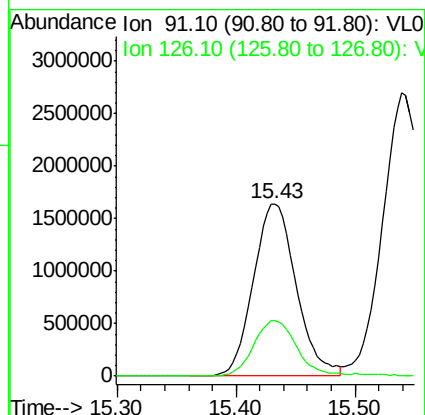
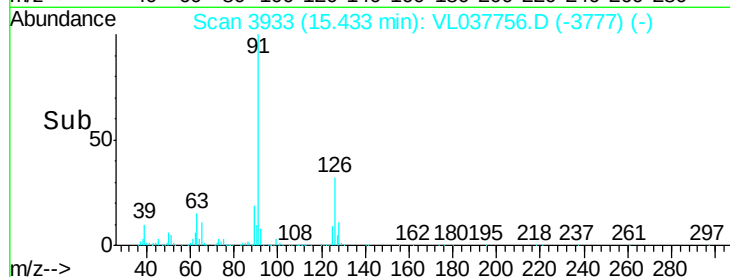
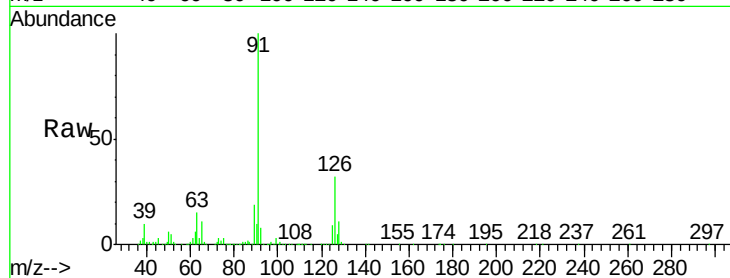
VSTDCCC010EC

Tgt Ion: 91 Resp: 4095722

Ion Ratio Lower Upper

91 100

126 33.8 13.2 52.8



#72

4-Ethyltoluene

Concen: 7.857 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Tgt Ion: 105 Resp: 4706717

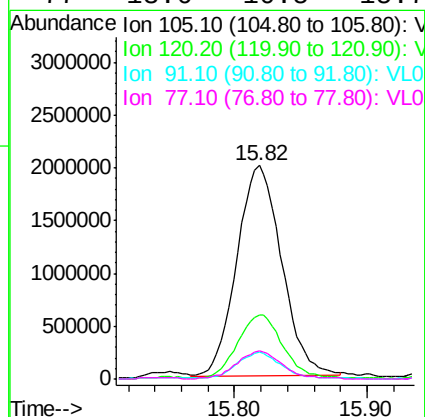
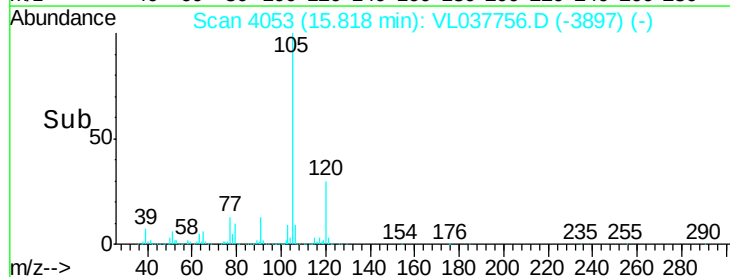
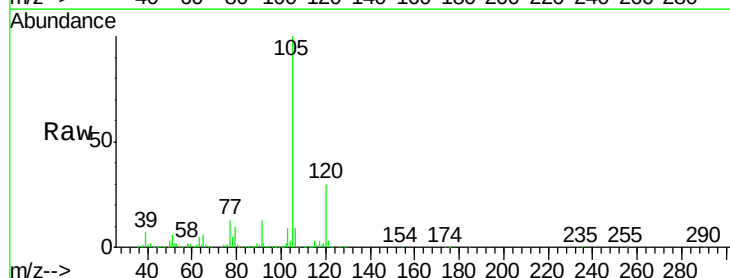
Ion Ratio Lower Upper

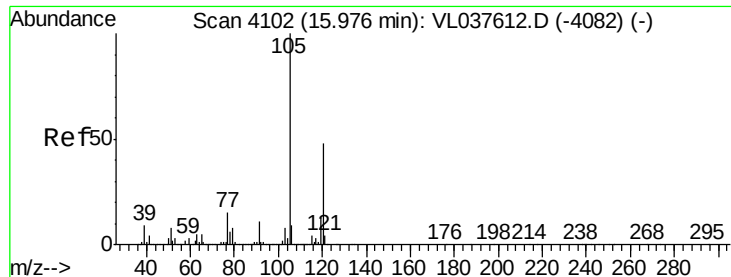
105 100

120 31.7 24.7 37.1

91 12.4 9.9 14.9

77 13.6 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 7.988 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

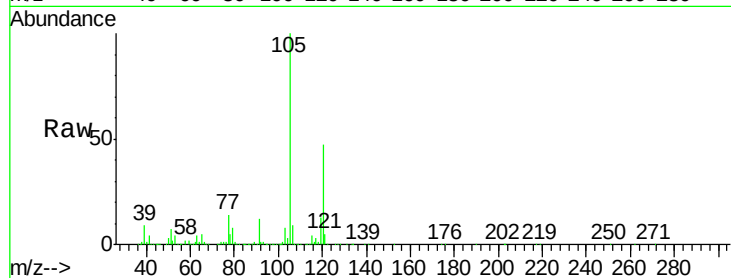
VSTDCCC010EC

Tgt Ion:105 Resp: 4460334

Ion Ratio Lower Upper

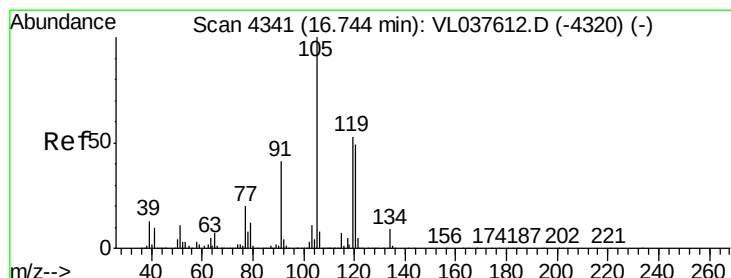
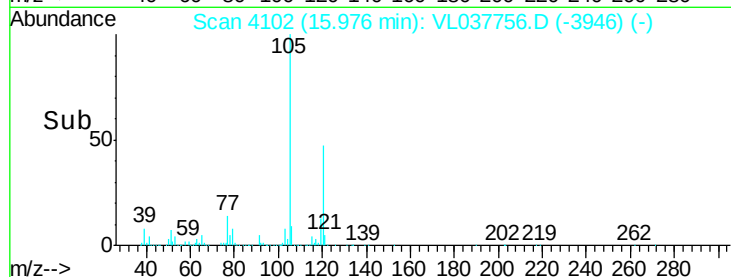
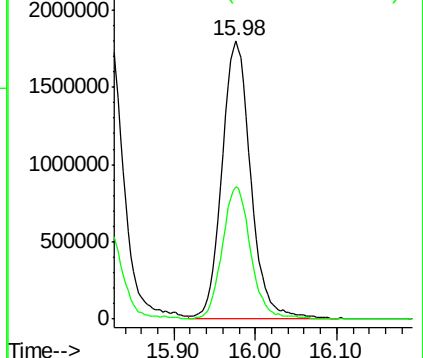
105 100

120 47.2 38.3 57.5



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: 7.512 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Tgt Ion:105 Resp: 4417976

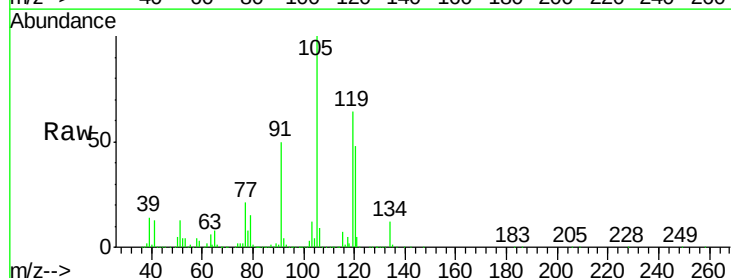
Ion Ratio Lower Upper

105 100

120 48.1 39.4 59.0

91 48.9 33.3 49.9

77 20.5 15.7 23.5

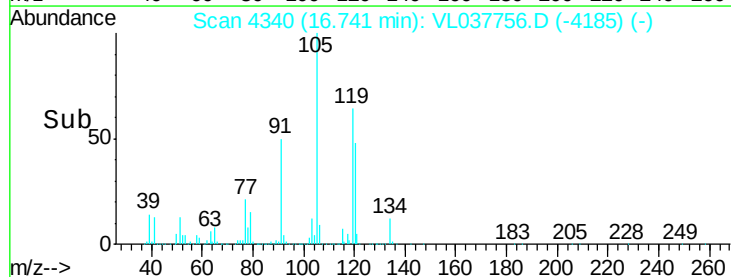
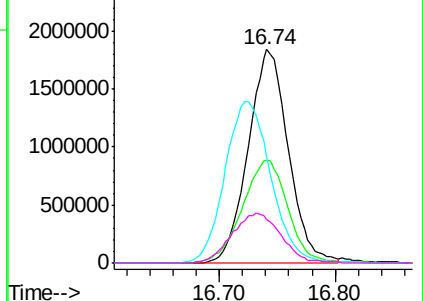


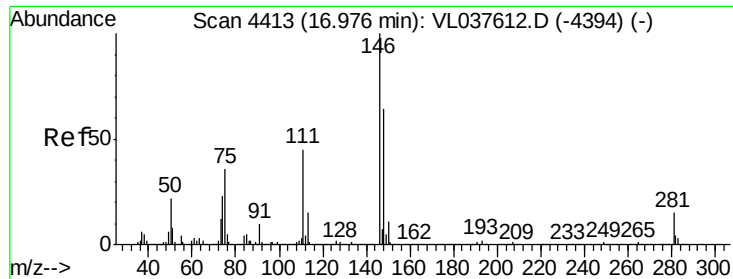
Abundance Ion 105.10 (104.80 to 105.80): V

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

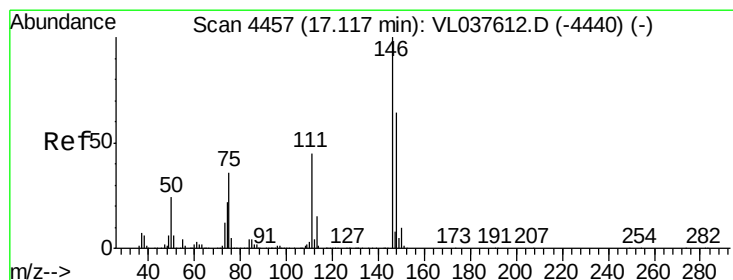
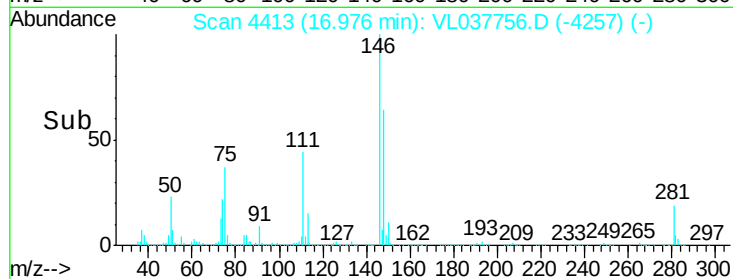
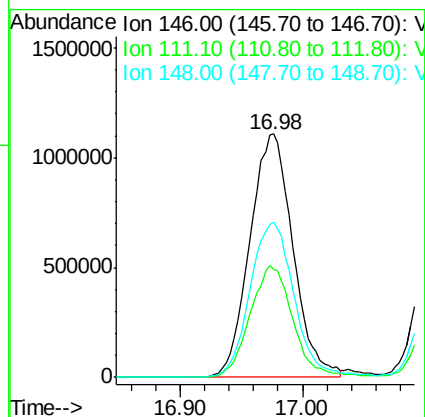
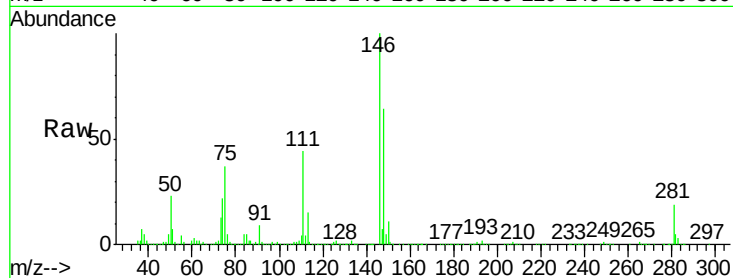




#75
 1,3-Dichlorobenzene
 Concen: 7.403 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

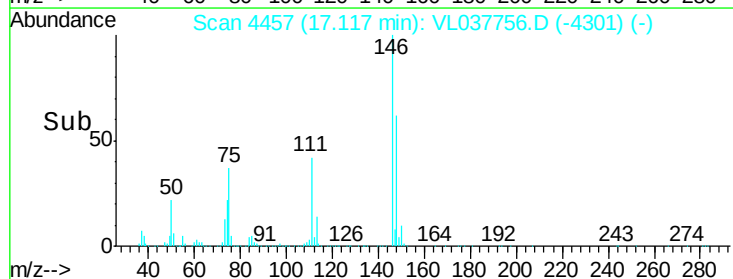
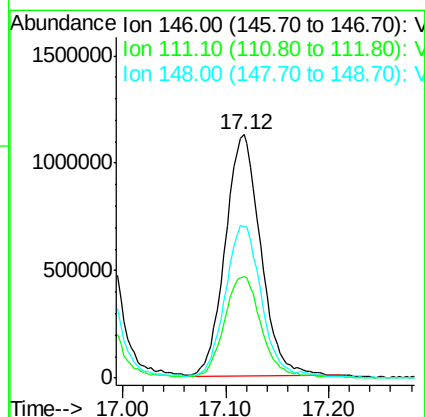
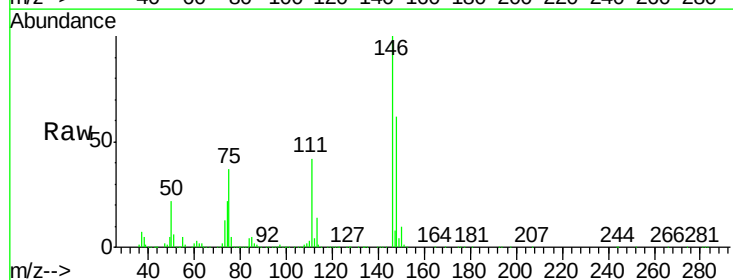
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

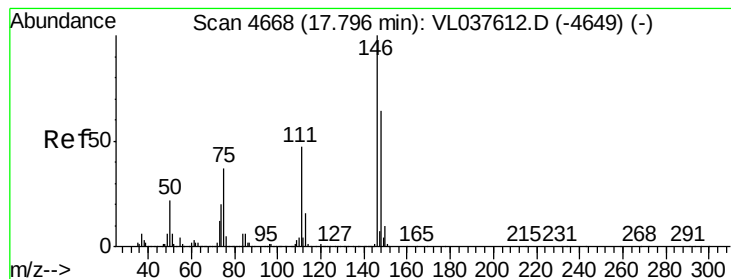
Tgt Ion:146 Resp: 2704980
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.8 68.3
 148 65.4 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.487 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion:146 Resp: 2698054
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.5 67.5
 148 65.1 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 7.595 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

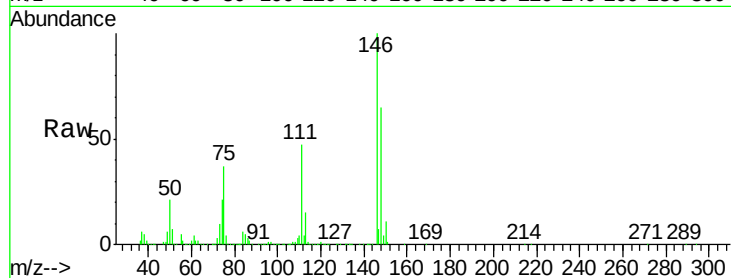
Tgt Ion:146 Resp: 2632238

Ion Ratio Lower Upper

146 100

111 46.7 24.0 72.0

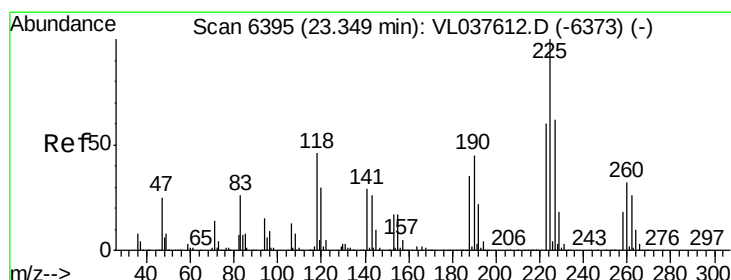
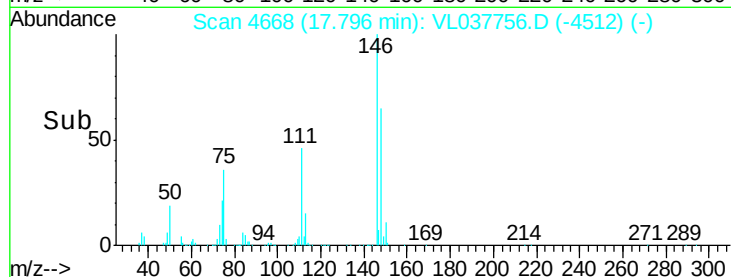
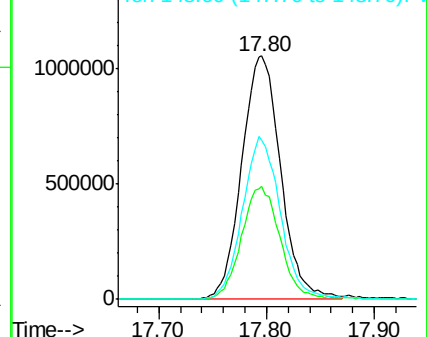
148 65.3 32.8 98.3



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



#78

Hexachloro-1,3-Butadiene

Concen: 6.573 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

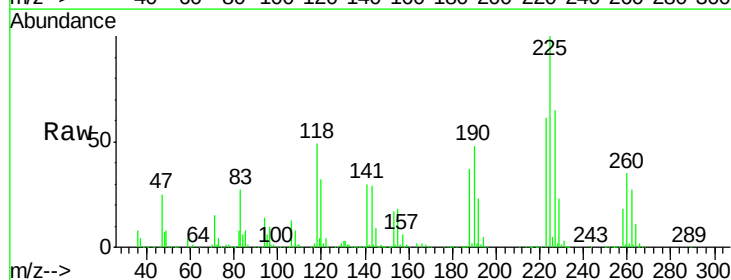
Tgt Ion:225 Resp: 1917099

Ion Ratio Lower Upper

225 100

223 64.3 51.1 76.7

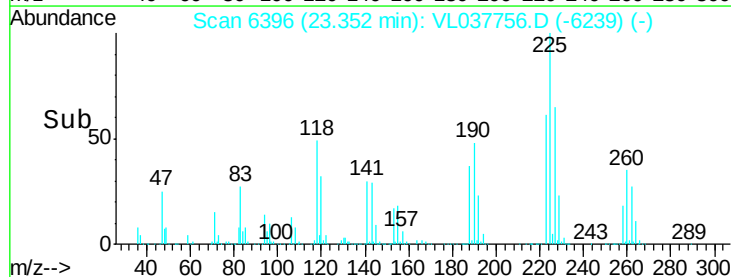
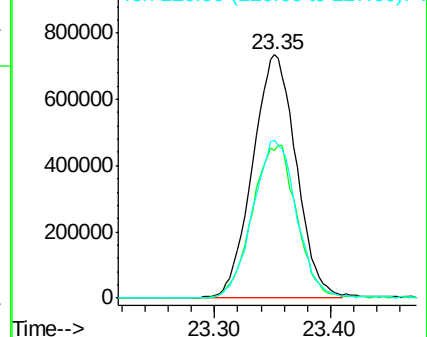
227 65.1 52.2 78.4

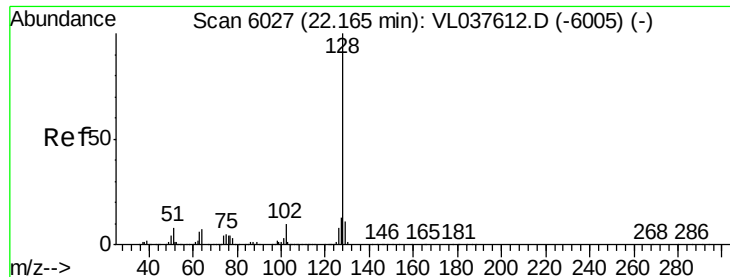


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.159 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

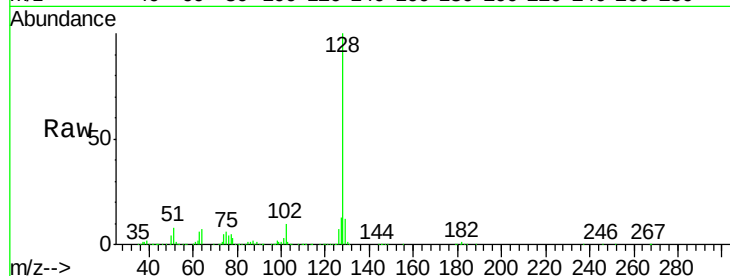
Tgt Ion:128 Resp: 3307481

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

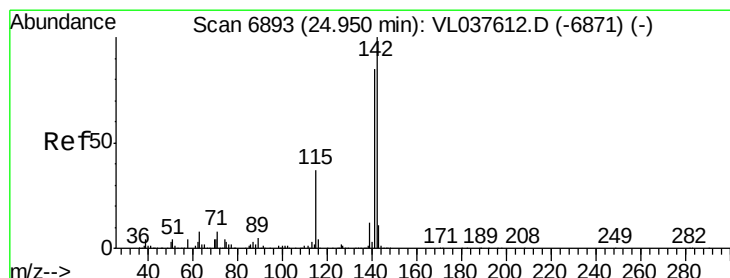
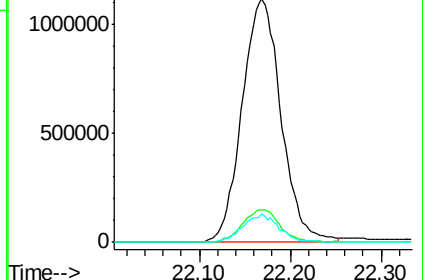
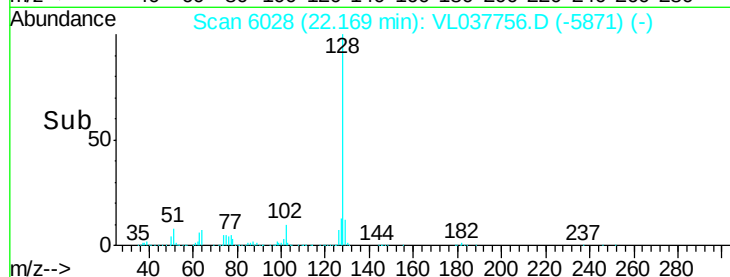
129 11.5 8.6 12.8



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: 10.367 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

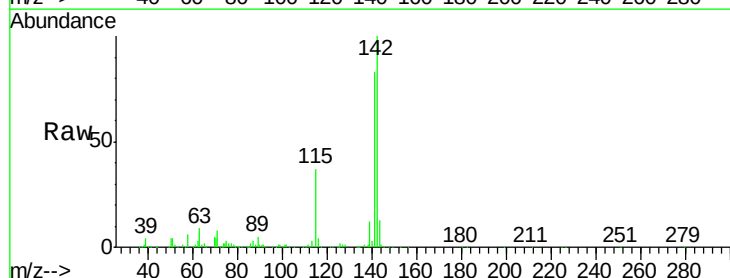
Tgt Ion:142 Resp: 855628

Ion Ratio Lower Upper

142 100

141 87.1 70.9 106.3

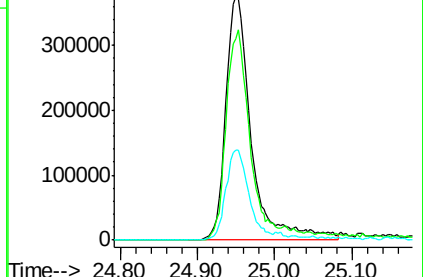
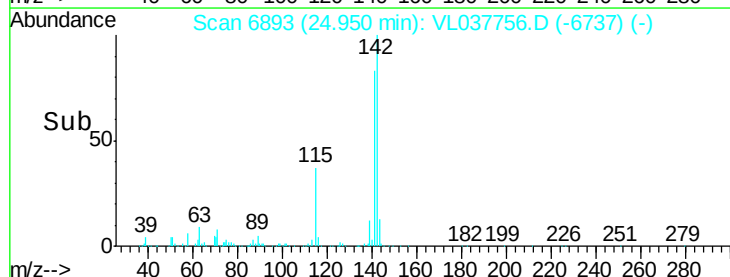
115 36.4 29.6 44.4

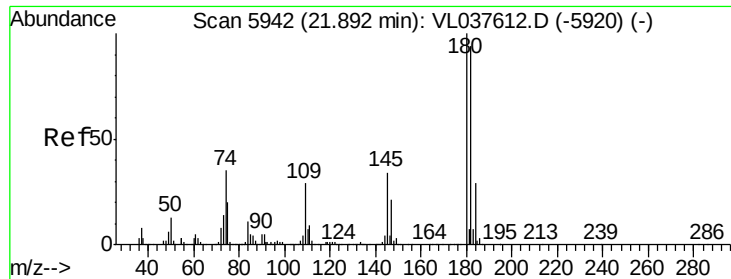


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.409 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.01 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1949552
 Ion Ratio Lower Upper
 180 100
 182 96.6 78.9 118.3
 184 31.0 24.7 37.1

