

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037738.D
 Acq On : 1 Oct 2021 10:46
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 02 01:32:45 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	1444853	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4313101	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4717216	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2620832	7.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1802132	6.893	ppbv	98
3) Chlorodifluoromethane	2.98	51	2574596	9.447	ppbv	99
4) Chloromethane	3.13	50	954825	9.483	ppbv	100
5) Vinyl Chloride	3.25	62	961191	10.163	ppbv	95
6) Bromomethane	3.46	94	469304	8.537	ppbv	96
7) Chloroethane	3.55	64	337862	9.559	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2158788	9.571	ppbv	99
9) Propene	3.00	41	965229	10.040	ppbv	98
10) Heptane	8.10	43	2340153	10.432	ppbv	99
11) Trichlorofluoromethane	3.94	101	1979113	9.429	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1498015	9.668	ppbv	99
13) Ethanol	3.60	45	86846	9.236	ppbv	92
14) Bromoethene	3.73	108	678721	9.624	ppbv	98
15) Acetone	3.84	43	1123014	7.481	ppbv	96
16) 1,3-Butadiene	3.32	39	946525	10.090	ppbv	97
17) tert-Butyl alcohol	4.27	59	1300626	10.217	ppbv	98
18) 1,1-Dichloroethene	4.28	96	680153	9.423	ppbv	95
19) Isopropyl Alcohol	3.95	45	833900	10.209	ppbv	# 96
20) Methylene Chloride	4.33	84	605933	8.455	ppbv	96
21) Allyl Chloride	4.40	41	1129487	10.071	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	724968	9.983	ppbv	98
23) Vinyl Acetate	5.05	43	1819346	8.758	ppbv	# 98
24) 1,1-Dichloroethane	5.00	63	1408095	9.462	ppbv	99
25) Ethyl Acetate	5.66	43	3700571	10.178	ppbv	99
26) Hexane	5.67	57	1760574	10.194	ppbv	100
27) Carbon Disulfide	4.53	76	1733586	10.972	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1442802	9.484	ppbv	99
29) Chloroform	5.73	83	2427383	9.625	ppbv	98
30) Cyclohexane	7.11	84	1457353	9.866	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1602532	10.221	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2328056	9.915	ppbv	99
34) 2-Butanone	5.22	43	1572482	8.972	ppbv	100
35) Carbon Tetrachloride	7.00	117	2421494	9.925	ppbv	98
36) Benzene	6.87	78	3593998	9.993	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1721405	9.732	ppbv	99
38) Trichloroethene	7.81	130	1381922	9.198	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1376201	9.990	ppbv	97
40) 1,4-Dioxane	7.81	88	326723	9.750	ppbv	# 1
41) Tetrahydrofuran	6.03	42	887171	10.767	ppbv	99
42) Bromodichloromethane	7.77	83	2561058	10.102	ppbv	98
43) Methyl Methacrylate	7.99	69	1293932	10.814	ppbv	100

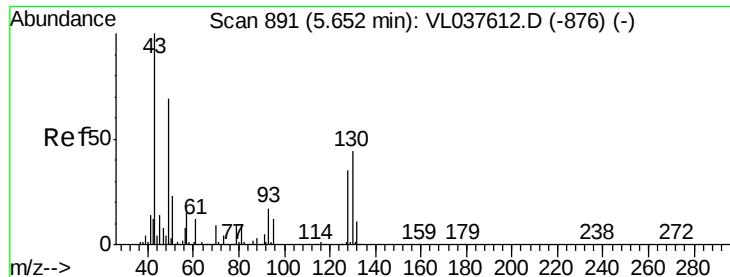
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
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Quant Time: Oct 02 01:32:45 2021
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu 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	5950319	9.841	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1021758	10.872	ppbv	94
46) cis-1,3-Dichloropropene	8.68	75	1342875	10.578	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1422329	9.334	ppbv	97
48) Dibromochloromethane	10.28	129	2244198	10.557	ppbv	97
49) Bromoform	13.01	173	1806680	10.619	ppbv	96
50) 4-Methyl-2-Pentanone	8.72	43	2367114	10.640	ppbv	99
51) 2-Hexanone	10.11	43	1124887	11.460	ppbv #	96
52) Tetrachloroethene	11.20	164	1310351	9.490	ppbv	99
53) Toluene	9.78	91	4120758	10.308	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2006722	9.618	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1525739	7.798	ppbv #	52
57) Chlorobenzene	12.12	112	2975350	7.587	ppbv	100
58) Ethyl Benzene	12.69	91	5150586	8.225	ppbv	100
59) m/p-Xylene	12.97	91	4050739	7.423	ppbv #	18
60) o-Xylene	13.67	91	3968427	7.641	ppbv	97
61) Styrene	13.50	104	2257677	8.815	ppbv	98
62) Isopropylbenzene	14.64	105	5565451	7.670	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	2892776	7.117	ppbv	100
64) n-propylbenzene	15.54	120	1488833	7.952	ppbv	85
65) tert-Butylbenzene	16.72	119	4963501	7.587	ppbv	99
66) Benzyl Chloride	16.96	91	286357	8.010	ppbv	100
67) sec-Butylbenzene	17.27	105	6896227	7.770	ppbv	99
69) p-Isopropyltoluene	17.63	119	5791778	7.987	ppbv	100
70) n-Butylbenzene	18.52	91	5635835	8.214	ppbv	99
71) 2-Chlorotoluene	15.43	91	4070802	7.829	ppbv	98
72) 4-Ethyltoluene	15.82	105	4720248	7.917	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4293658	7.726	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4496110	7.681	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2724192	7.491	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2630579	7.334	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2665537	7.728	ppbv	98
78) Hexachloro-1,3-Butadiene	23.35	225	1978879	6.816	ppbv	100
79) Naphthalene	22.16	128	3376244	9.394	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	942458	11.472	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	2001703	8.675	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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VSTDCCC010

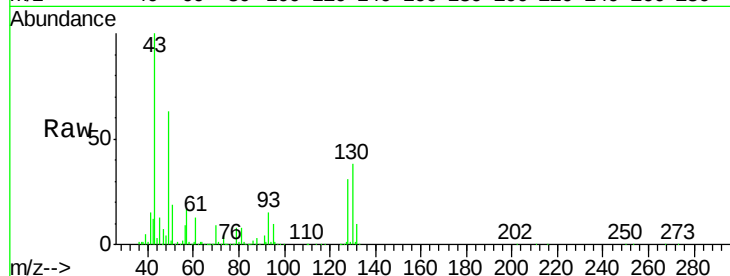
Tgt Ion: 49 Resp: 1444853

Ion Ratio Lower Upper

49 100

128 55.1 27.9 83.6

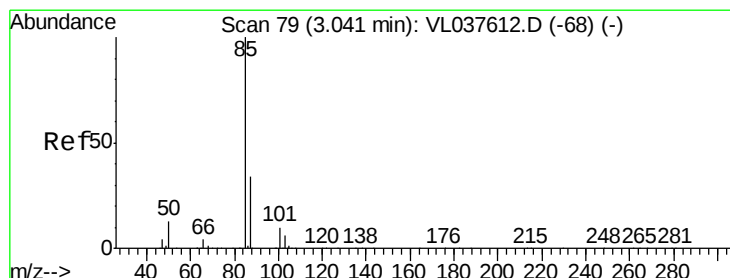
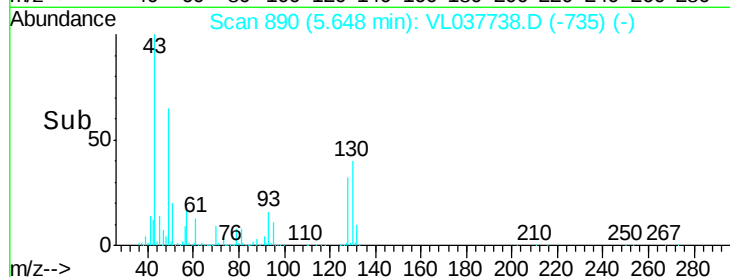
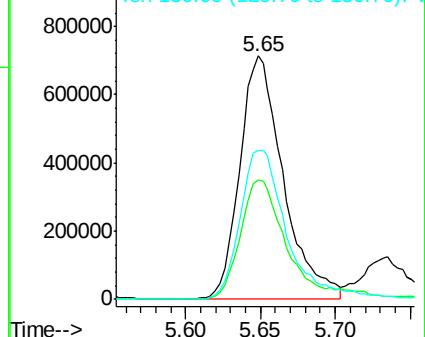
130 67.5 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 6.893 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037738.D

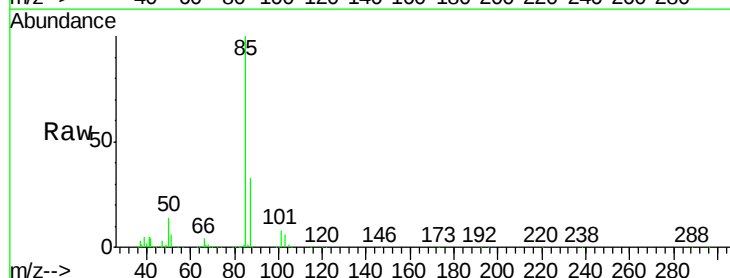
Acq: 1 Oct 2021 10:46

Tgt Ion: 85 Resp: 1802132

Ion Ratio Lower Upper

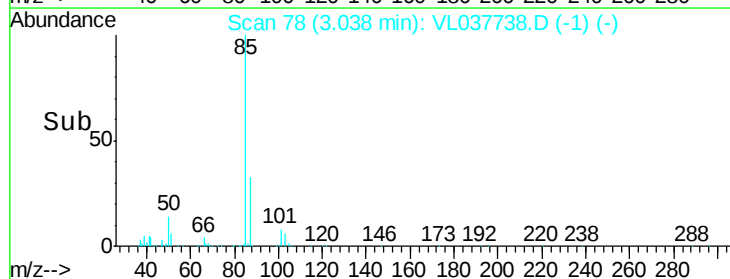
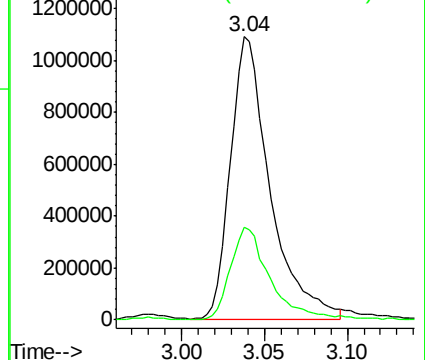
85 100

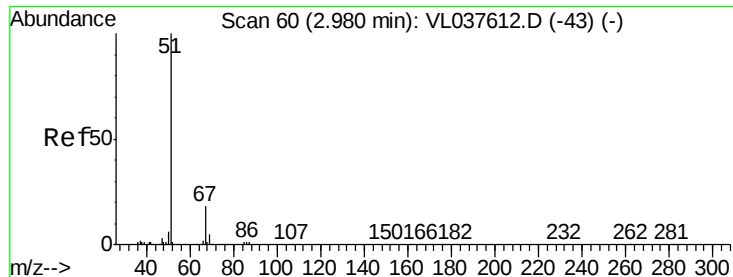
87 32.5 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

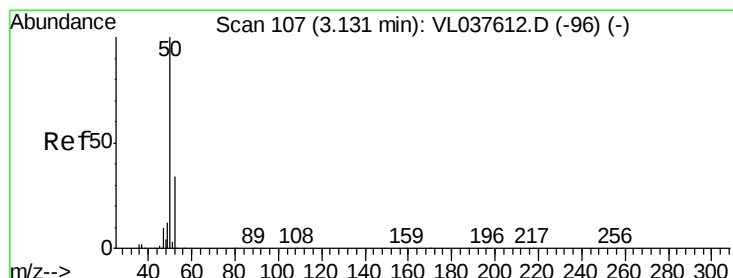
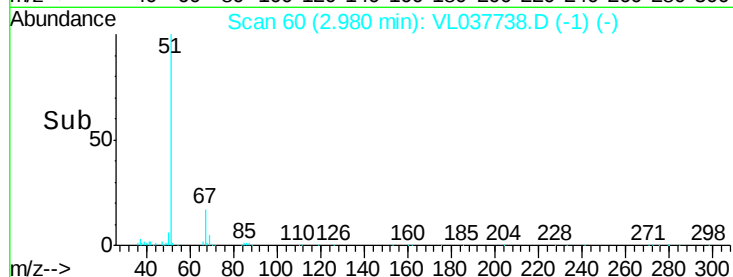
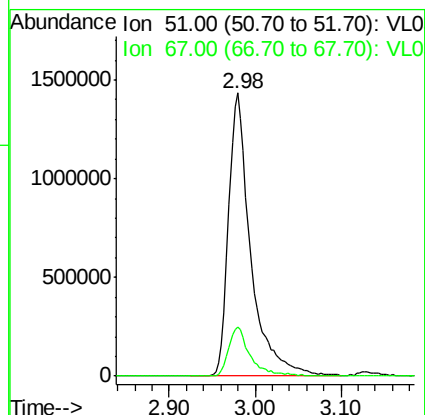
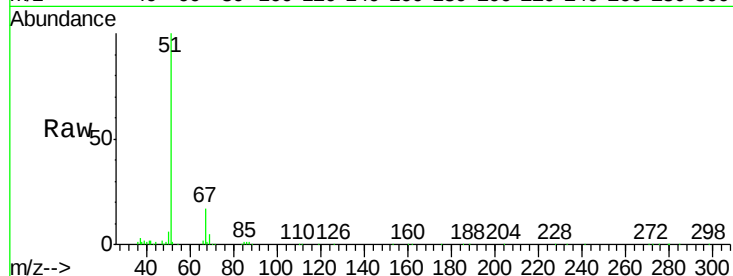




#3
 Chlorodifluoromethane
 Concen: 9.447 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. 0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

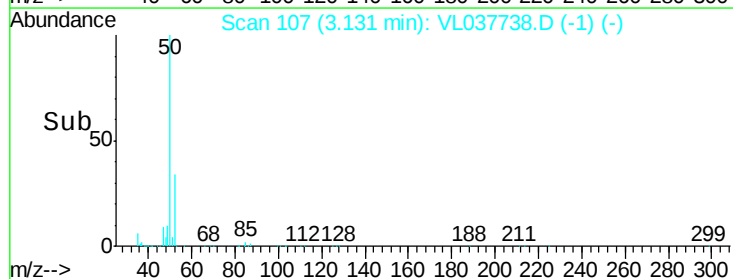
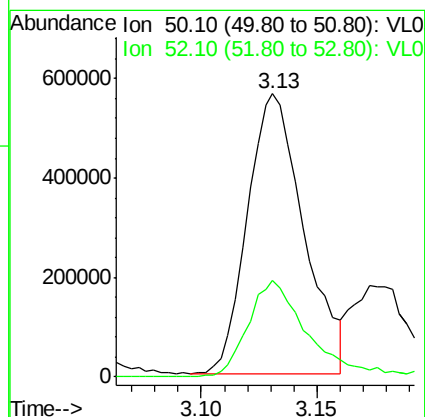
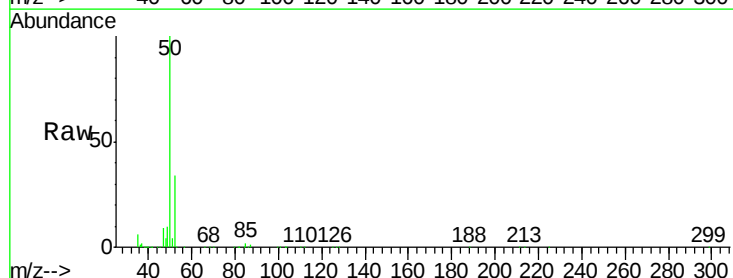
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

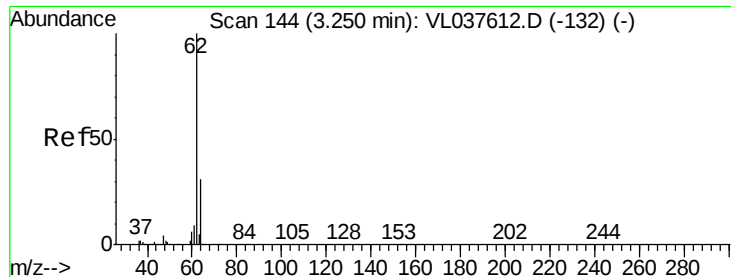
Tgt Ion: 51 Resp: 2574596
 Ion Ratio Lower Upper
 51 100
 67 17.1 14.0 21.0



#4
 Chloromethane
 Concen: 9.483 ppbv
 RT: 3.13 min Scan# 107
 Delta R.T. 0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 50 Resp: 954825
 Ion Ratio Lower Upper
 50 100
 52 34.2 27.1 40.7





#5

Vinyl Chloride

Concen: 10.163 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

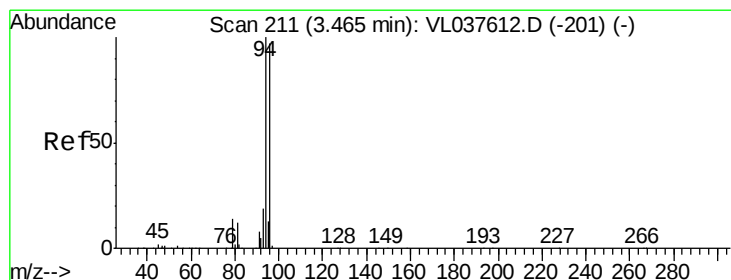
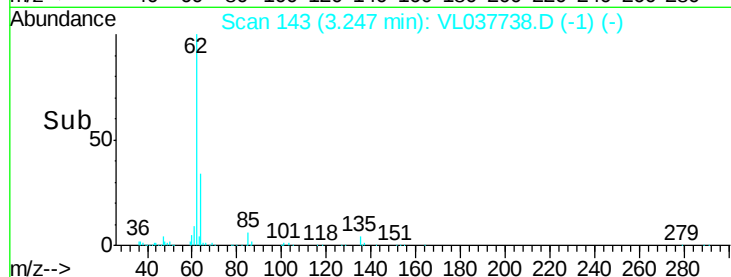
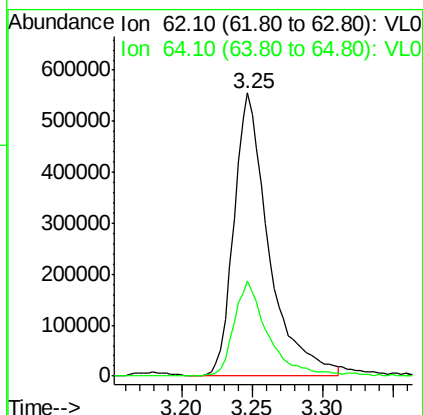
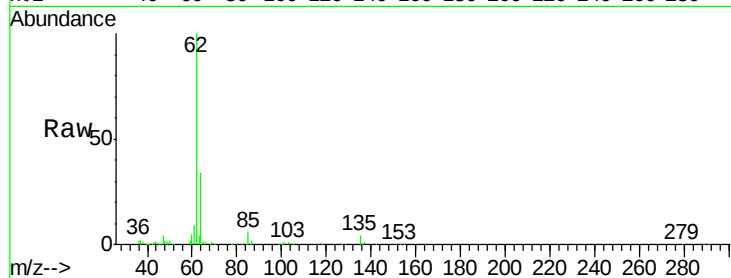
VSTDCCC010

Tgt Ion: 62 Resp: 961191

Ion Ratio Lower Upper

62 100

64 33.7 24.9 37.3



#6

Bromomethane

Concen: 8.537 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037738.D

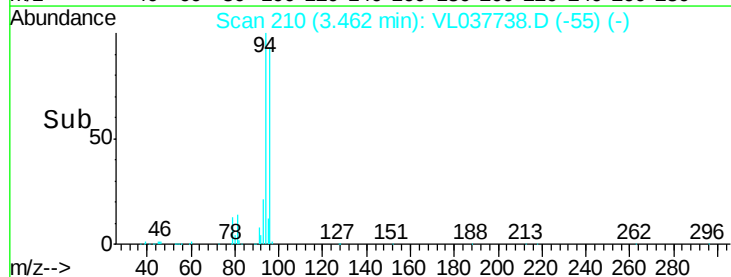
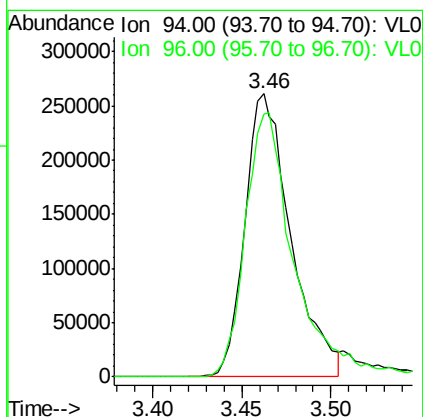
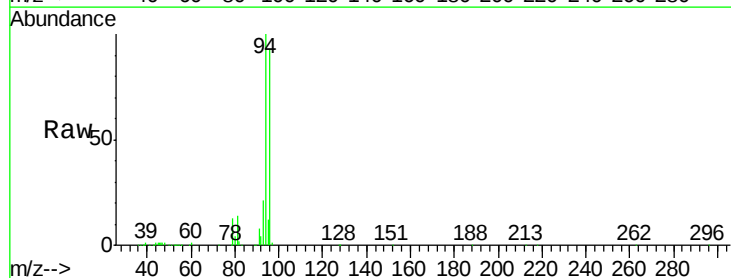
Acq: 1 Oct 2021 10:46

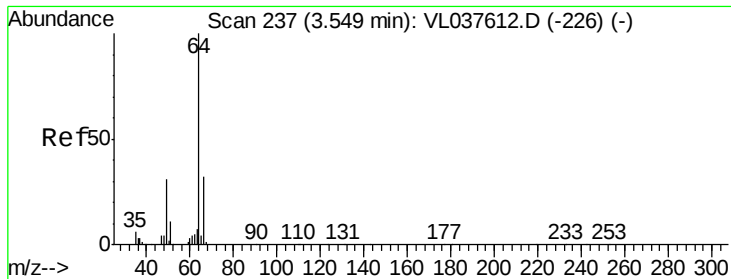
Tgt Ion: 94 Resp: 469304

Ion Ratio Lower Upper

94 100

96 92.8 77.3 115.9





#7

Chloroethane

Concen: 9.559 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

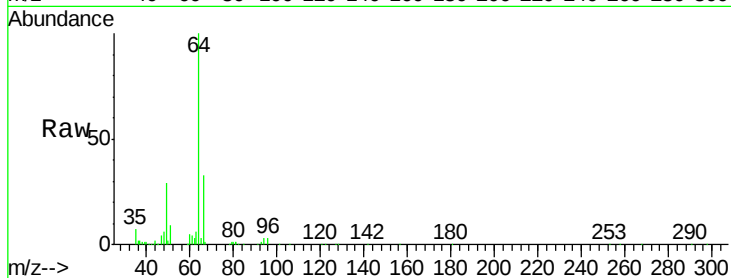
VSTDCCC010

Tgt Ion: 64 Resp: 337862

Ion Ratio Lower Upper

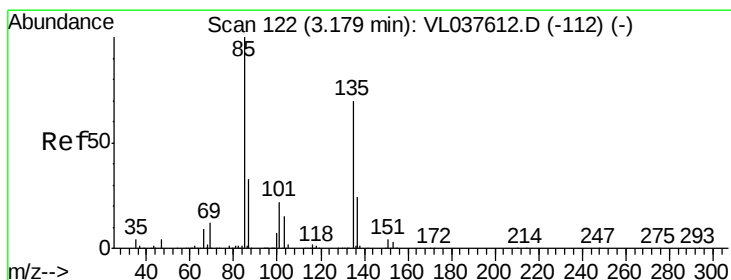
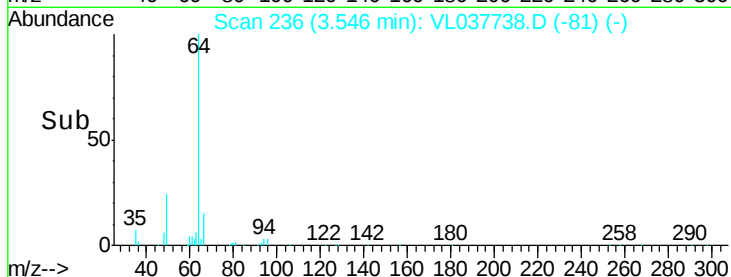
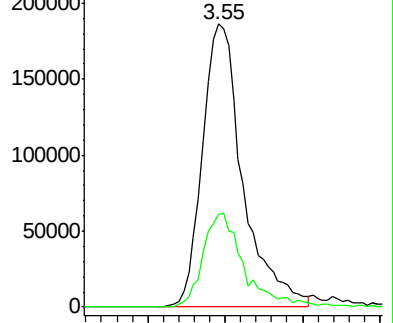
64 100

66 32.5 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.571 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037738.D

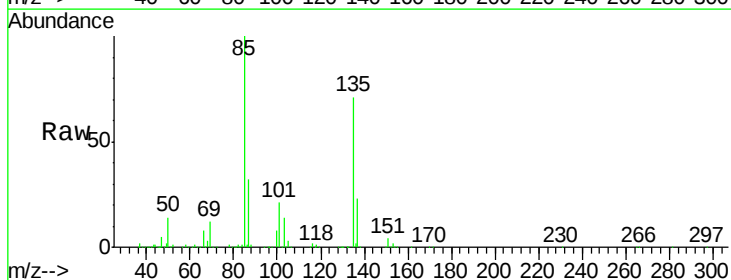
Acq: 1 Oct 2021 10:46

Tgt Ion: 85 Resp: 2158788

Ion Ratio Lower Upper

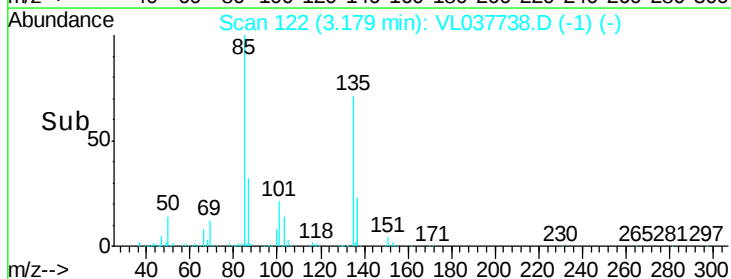
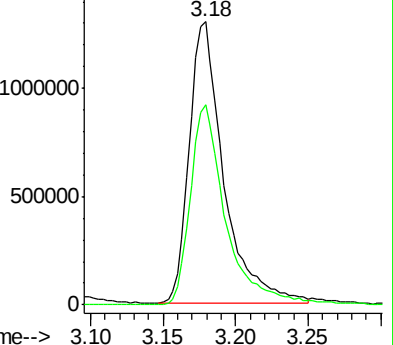
85 100

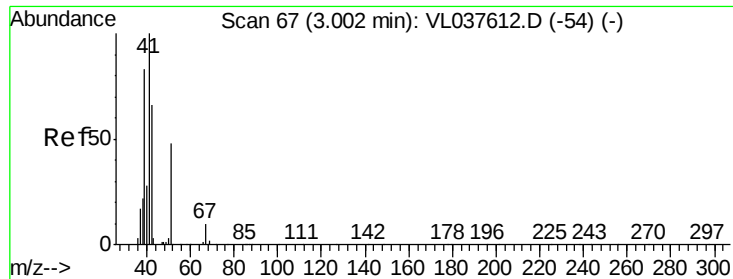
135 73.4 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.040 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

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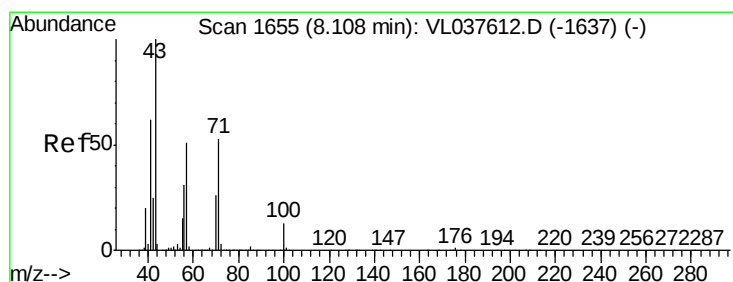
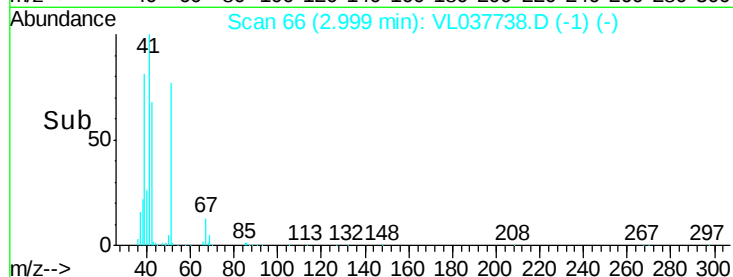
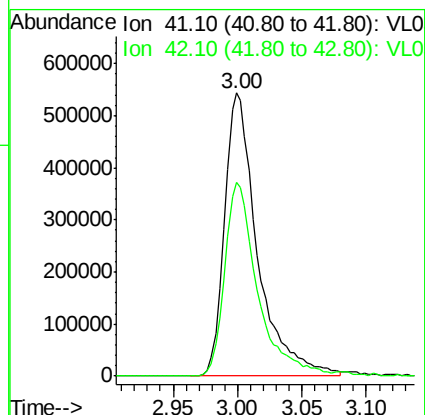
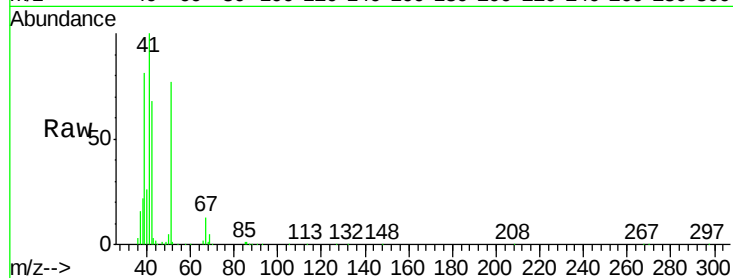
VSTDCCC010

Tgt Ion: 41 Resp: 965229

Ion Ratio Lower Upper

41 100

42 69.7 57.2 85.8



#10

Heptane

Concen: 10.432 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VL037738.D

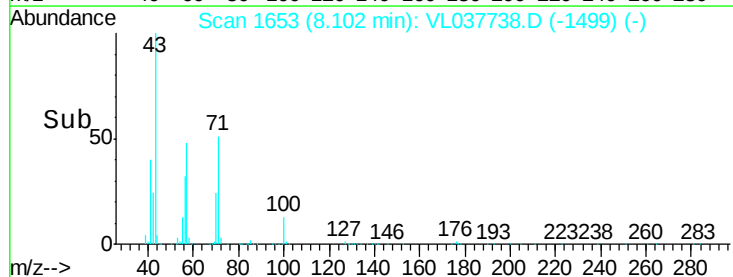
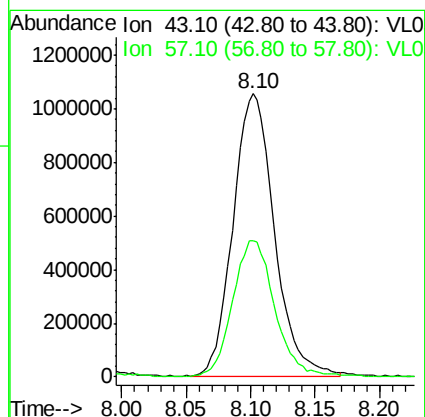
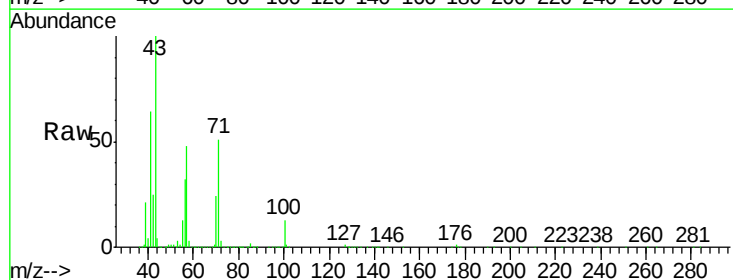
Acq: 1 Oct 2021 10:46

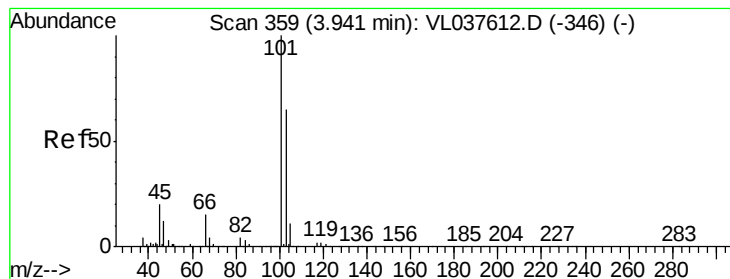
Tgt Ion: 43 Resp: 2340153

Ion Ratio Lower Upper

43 100

57 49.4 40.1 60.1





#11

Trichlorofluoromethane

Concen: 9.429 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

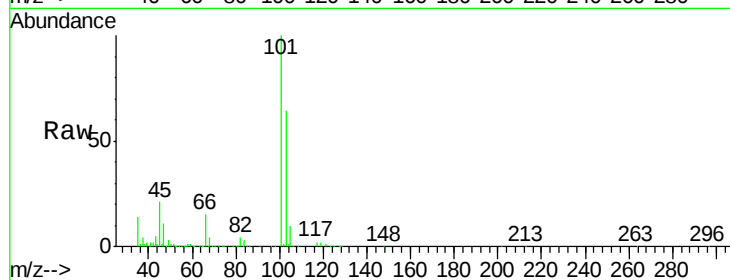
VSTDCCC010

Tgt Ion:101 Resp: 1979113

Ion Ratio Lower Upper

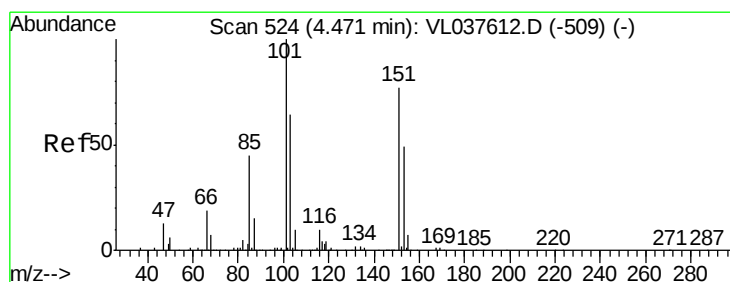
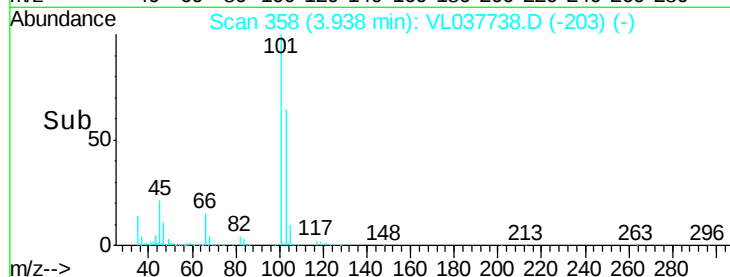
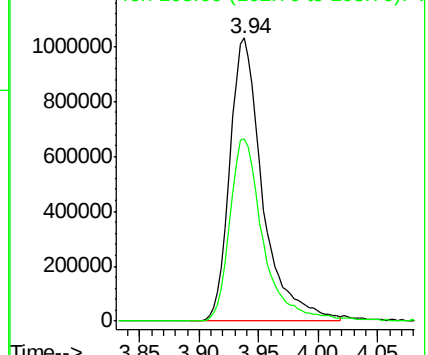
101 100

103 64.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.668 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL037738.D

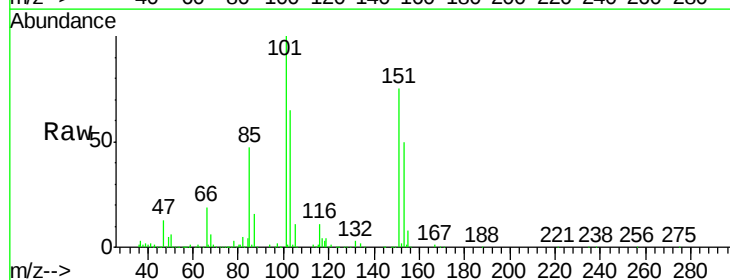
Acq: 1 Oct 2021 10:46

Tgt Ion:101 Resp: 1498015

Ion Ratio Lower Upper

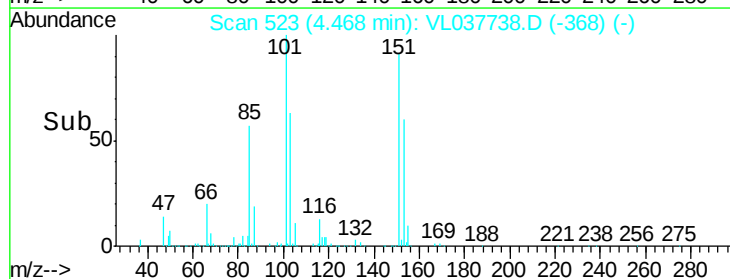
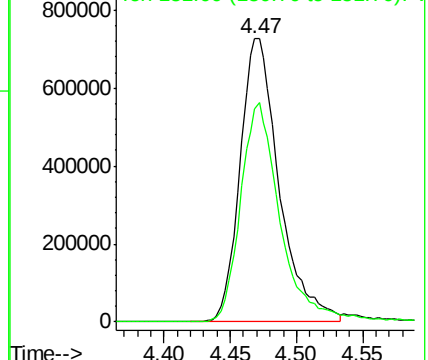
101 100

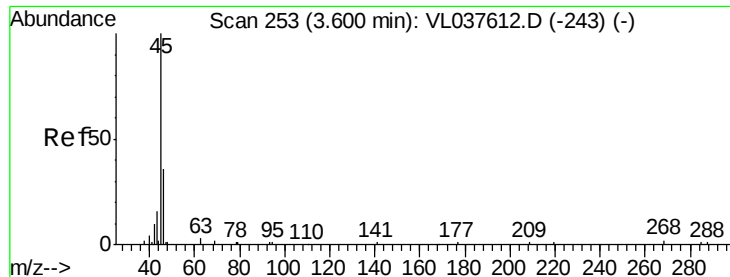
151 78.6 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

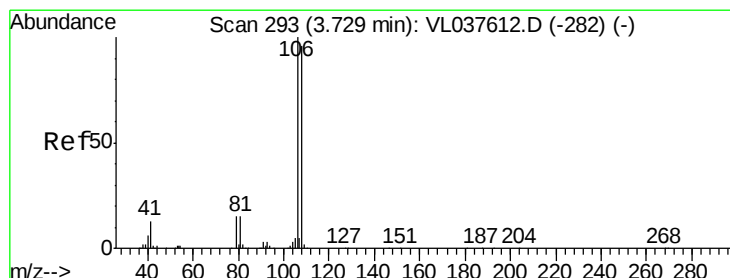
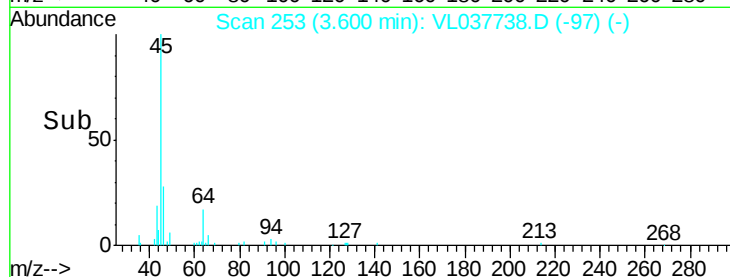
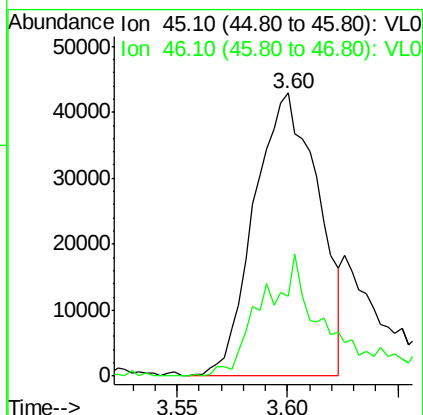
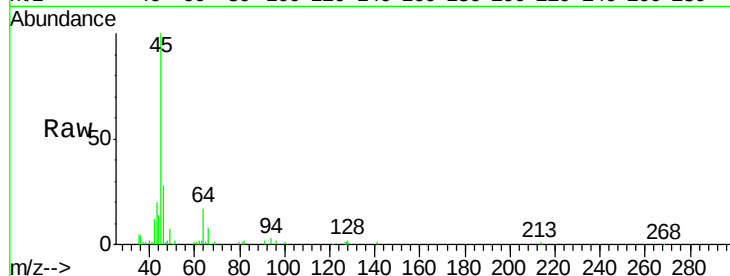




#13
Ethanol
Concen: 9.236 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

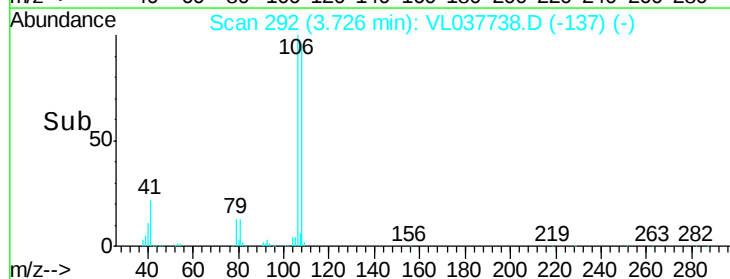
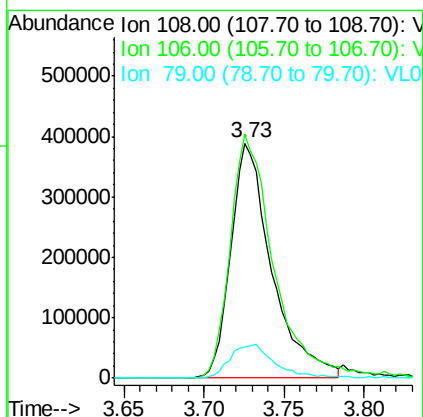
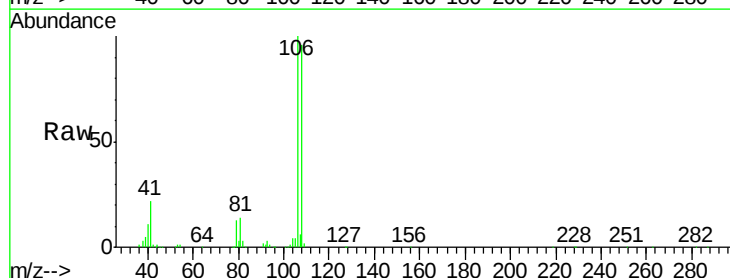
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

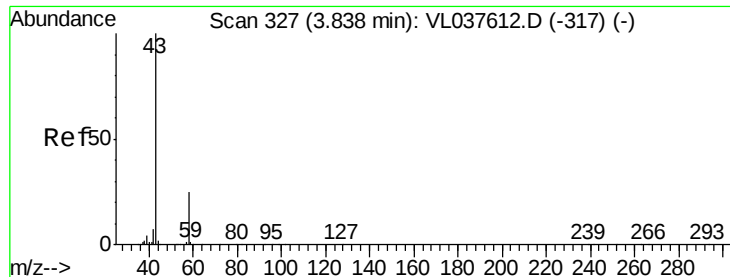
Tgt Ion: 45 Resp: 86846
Ion Ratio Lower Upper
45 100
46 48.4 17.2 68.8



#14
Bromoethene
Concen: 9.624 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 108 Resp: 678721
Ion Ratio Lower Upper
108 100
106 112.6 88.2 132.4
79 16.2 12.8 19.2





#15

Acetone

Concen: 7.481 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

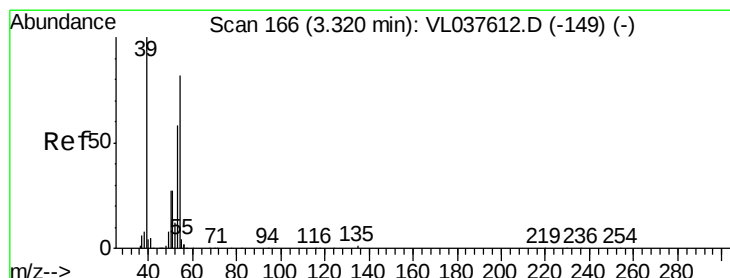
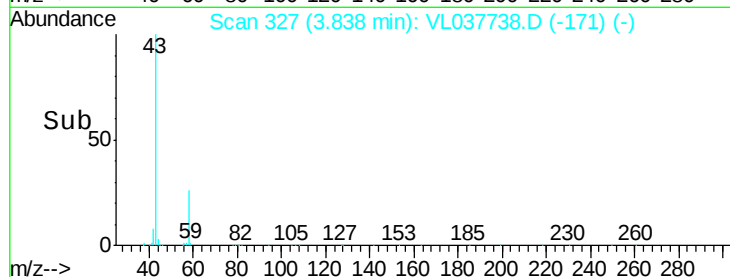
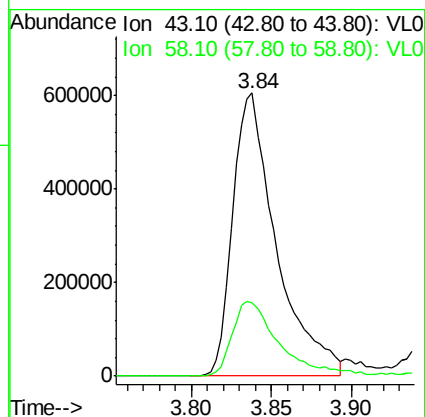
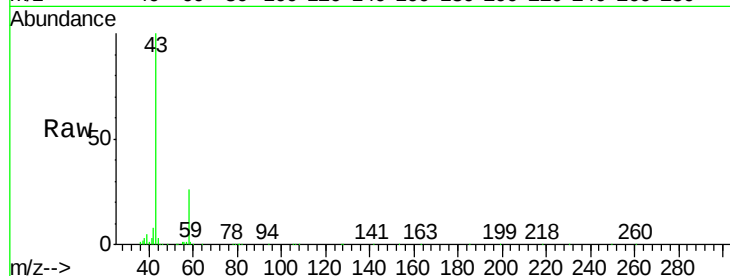
VSTDCCC010

Tgt Ion: 43 Resp: 1123014

Ion Ratio Lower Upper

43 100

58 28.7 24.9 37.3



#16

1,3-Butadiene

Concen: 10.090 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037738.D

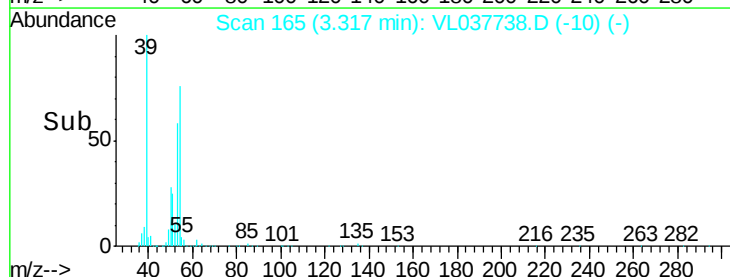
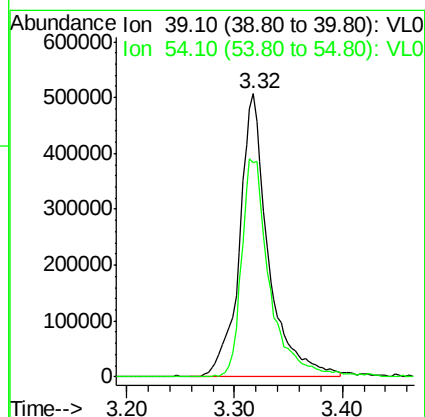
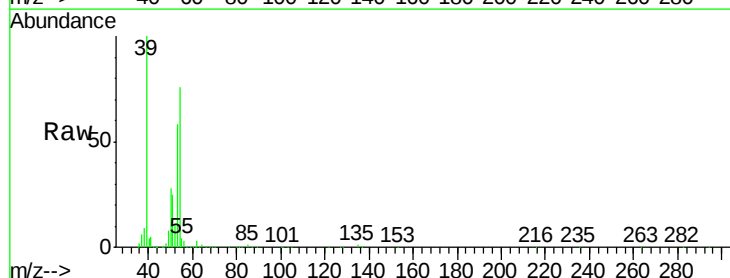
Acq: 1 Oct 2021 10:46

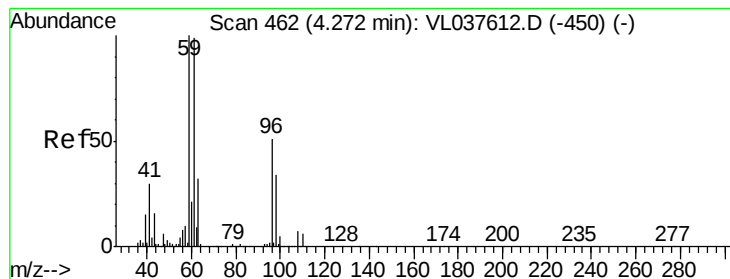
Tgt Ion: 39 Resp: 946525

Ion Ratio Lower Upper

39 100

54 75.6 62.6 93.8





#17

tert-Butyl alcohol
Concen: 10.217 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

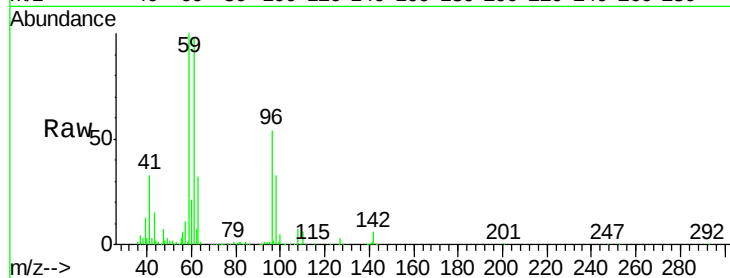
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1300626

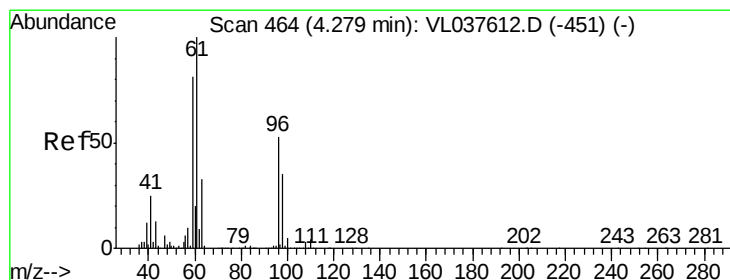
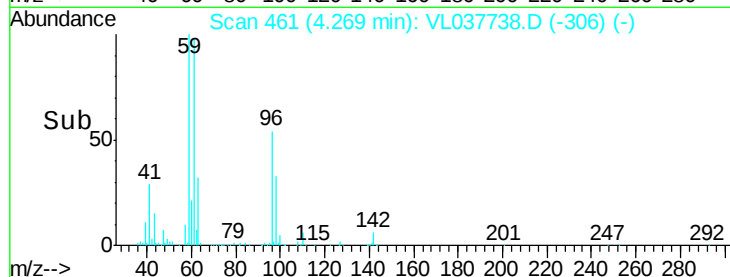
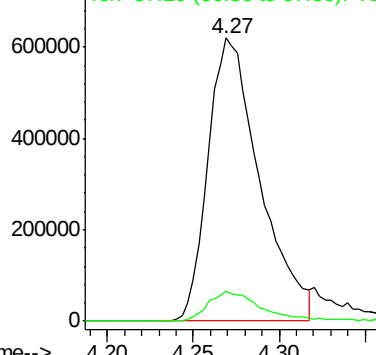
Ion Ratio Lower Upper

59 100

57 11.4 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
Concen: 9.423 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

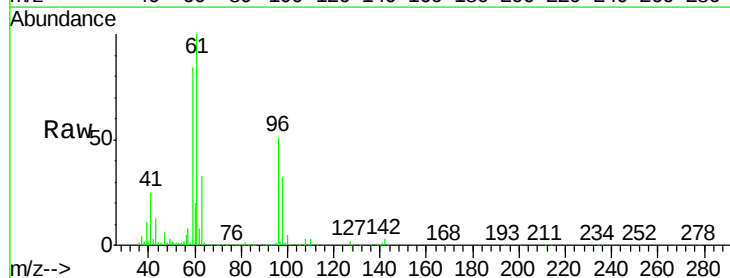
Tgt Ion: 96 Resp: 680153

Ion Ratio Lower Upper

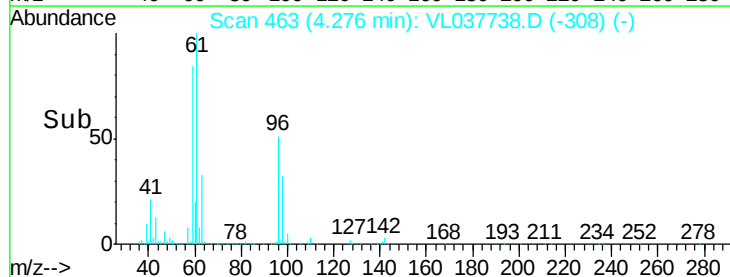
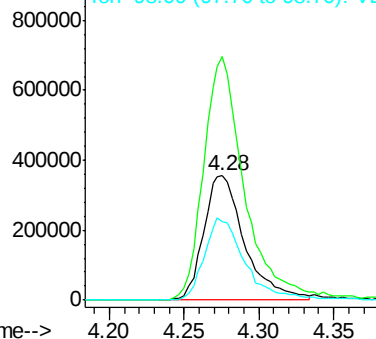
96 100

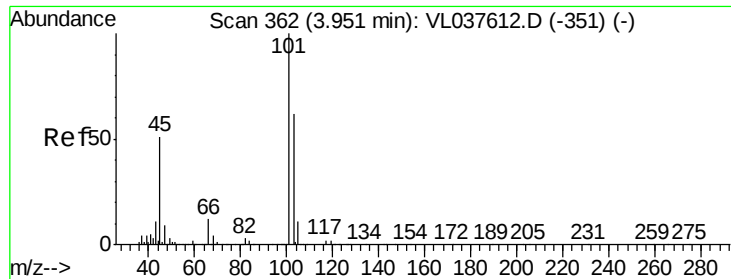
61 195.8 150.4 225.6

98 63.3 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





#19

Isopropyl Alcohol

Concen: 10.209 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

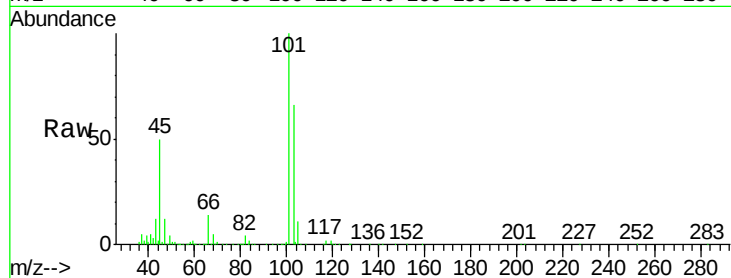
VSTDCCC010

Tgt Ion: 45 Resp: 833900

Ion Ratio Lower Upper

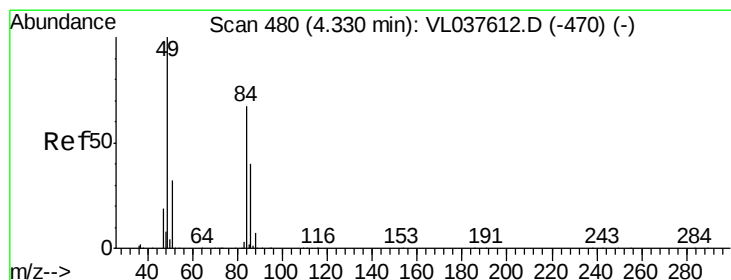
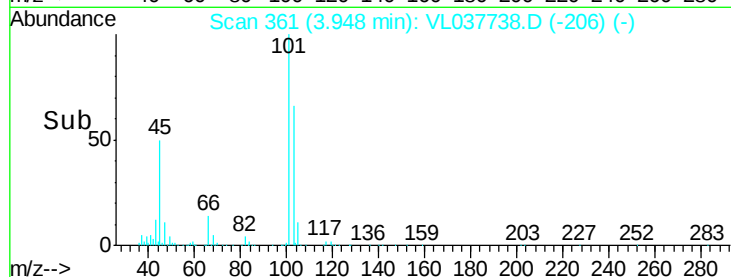
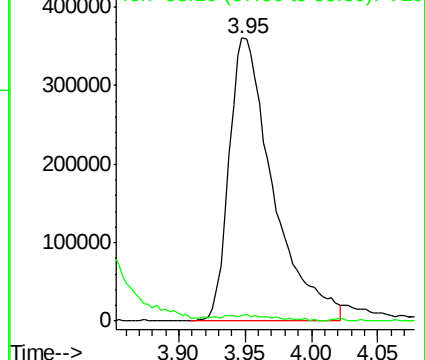
45 100

58 2.3 2.9 4.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.455 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion: 84 Resp: 605933

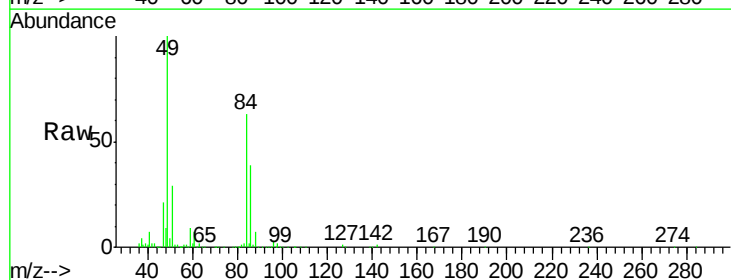
Ion Ratio Lower Upper

84 100

49 157.1 120.0 180.0

51 45.4 38.0 57.0

86 61.6 48.2 72.2

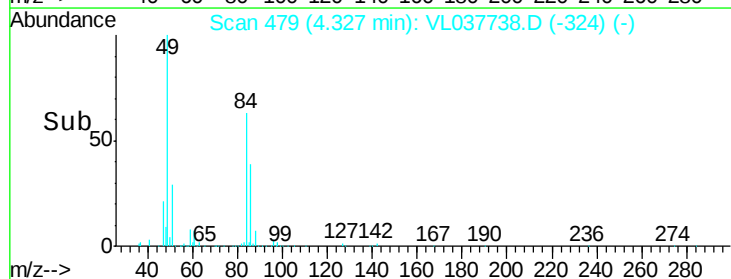
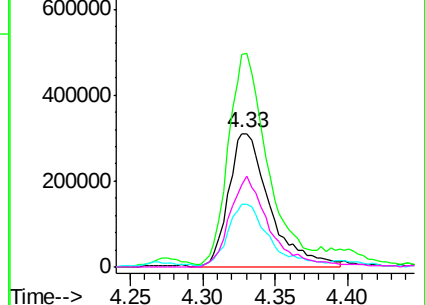


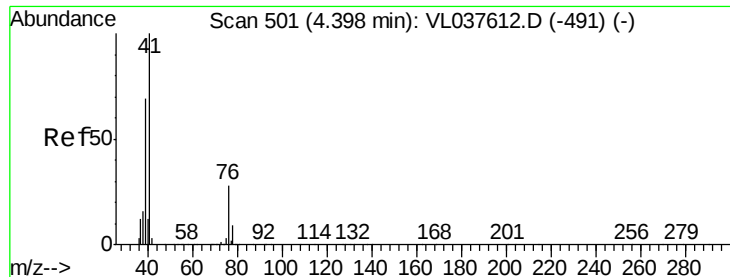
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allyl Chloride

Concen: 10.071 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

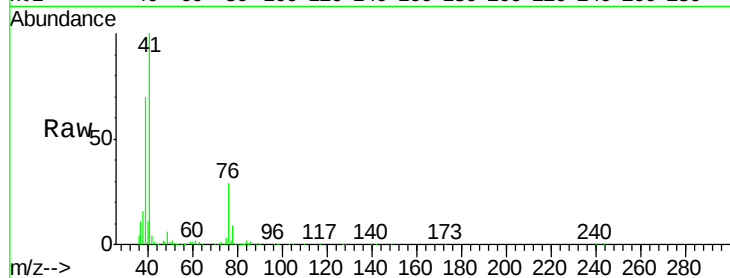
Tgt Ion: 41 Resp: 1129487

Ion Ratio Lower Upper

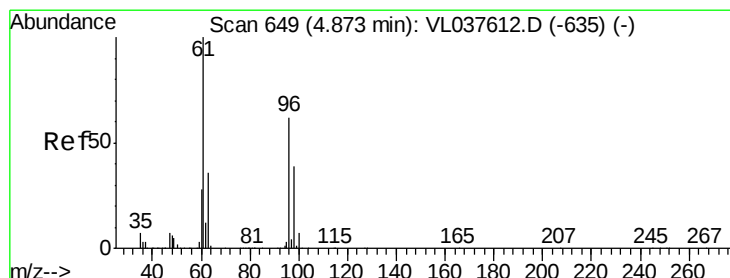
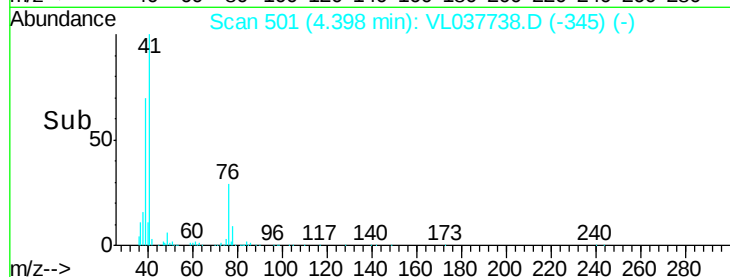
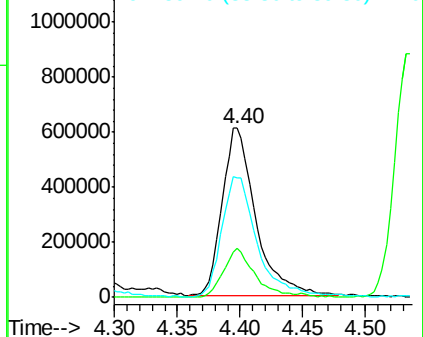
41 100

76 28.4 23.1 34.7

39 75.4 61.0 91.6



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: 9.983 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

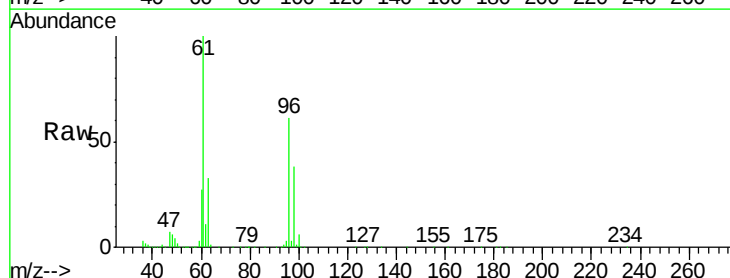
Tgt Ion: 96 Resp: 724968

Ion Ratio Lower Upper

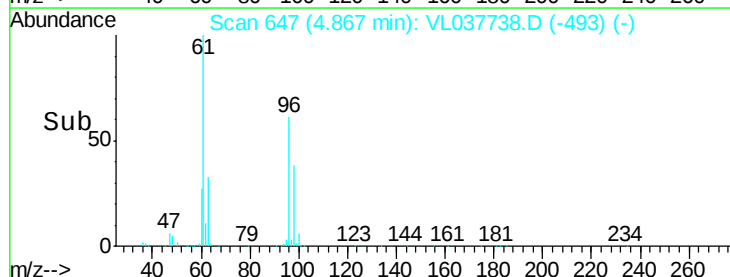
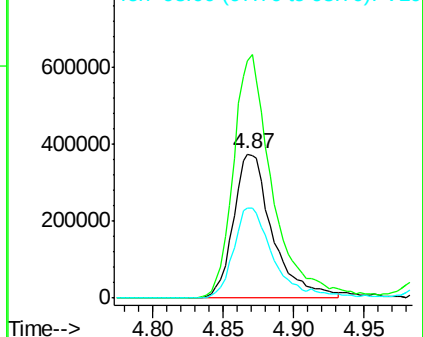
96 100

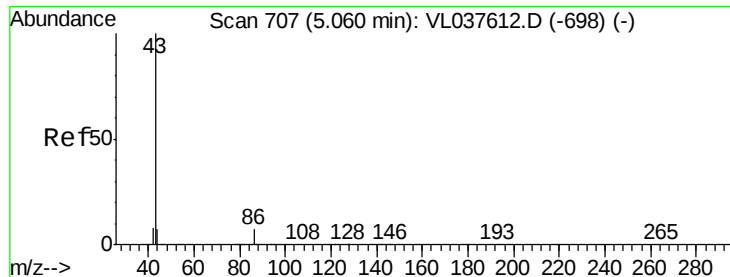
61 164.0 129.2 193.8

98 62.1 50.4 75.6



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

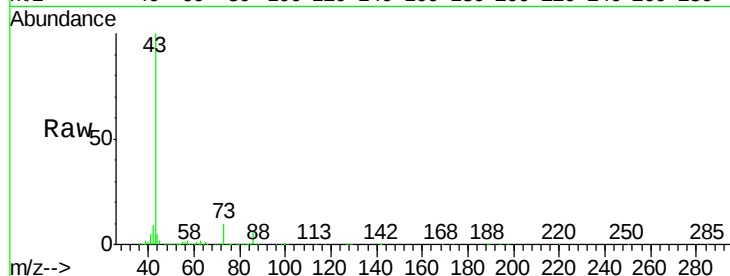




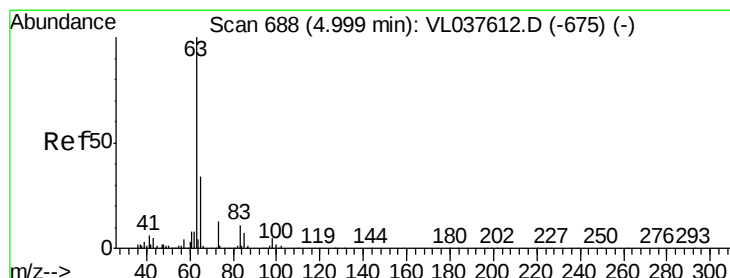
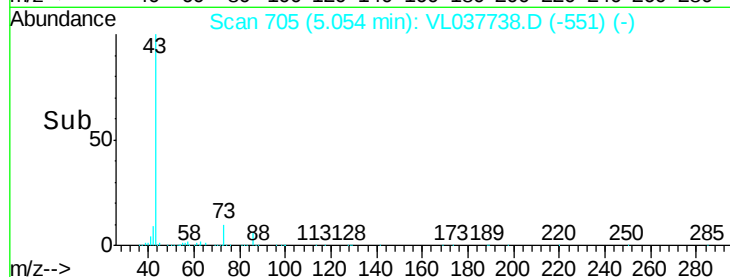
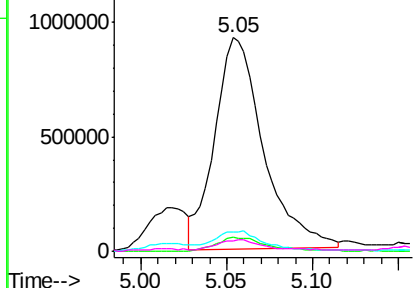
#23
 Vinyl Acetate
 Concen: 8.758 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1819346
 Ion Ratio Lower Upper
 43 100
 86 6.5 5.0 7.6
 42 8.8 7.5 11.3
 44 4.4 4.7 7.1#

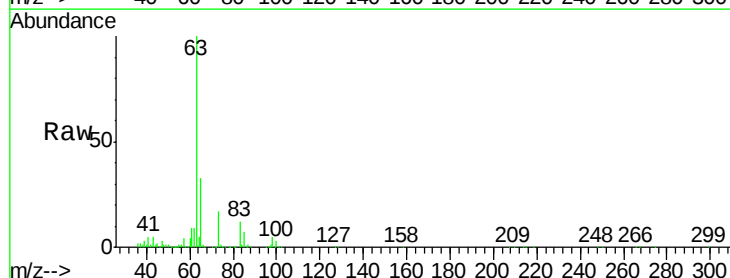


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

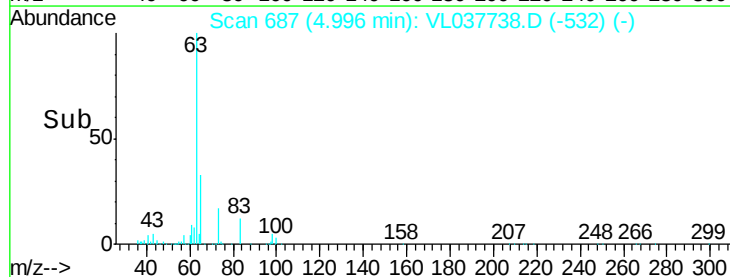
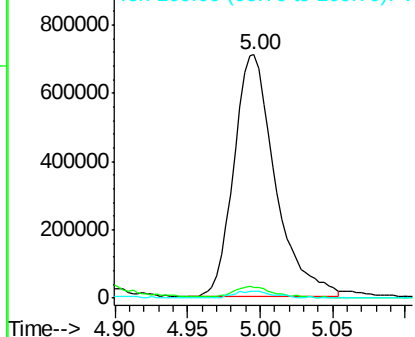


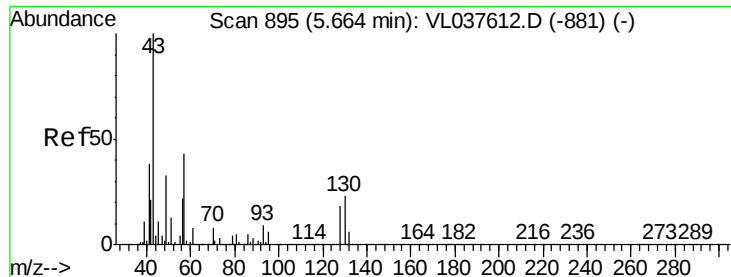
#24
 1,1-Dichloroethane
 Concen: 9.462 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 63 Resp: 1408095
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.4 7.2
 100 2.6 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



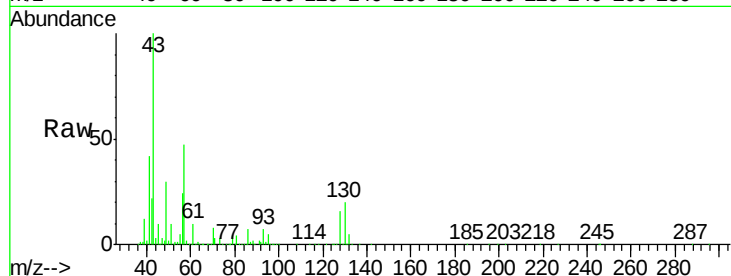


#25
Ethyl Acetate
Concen: 10.178 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

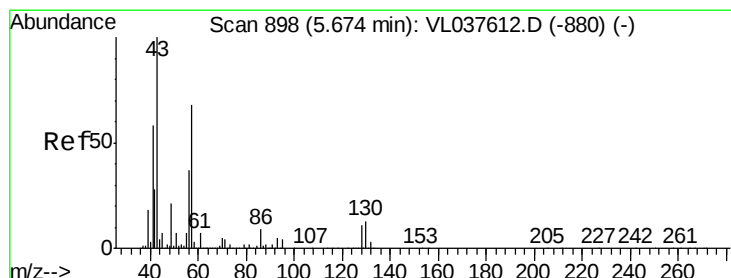
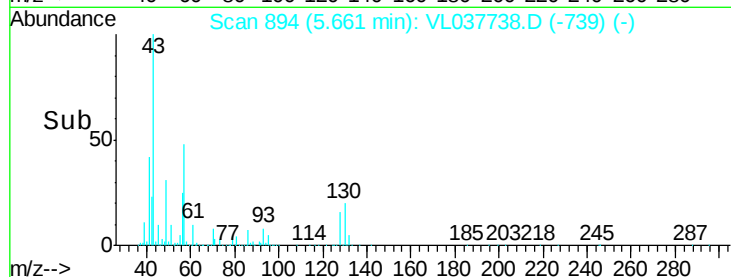
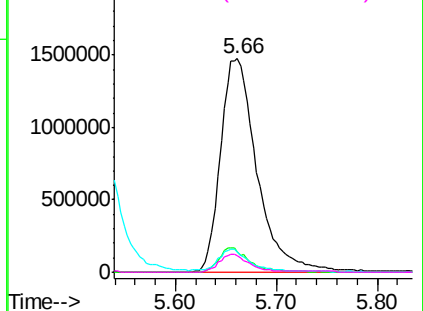
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 3700571

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.7	7.5	11.3
70	7.0	5.6	8.4



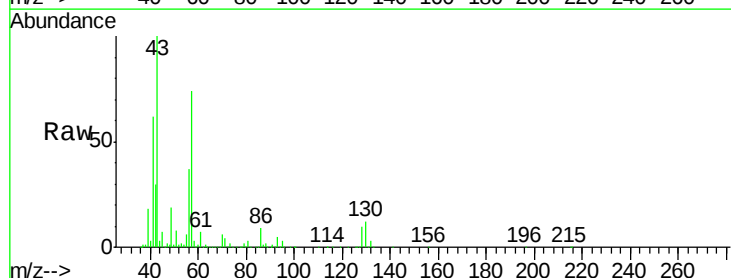
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



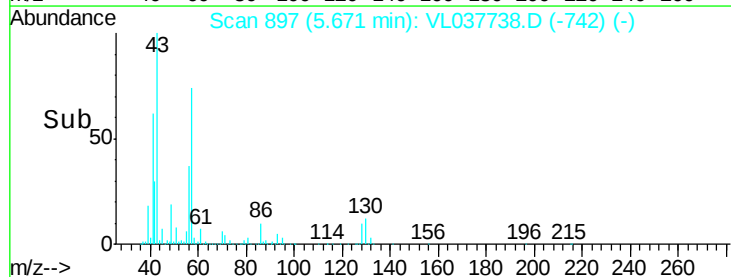
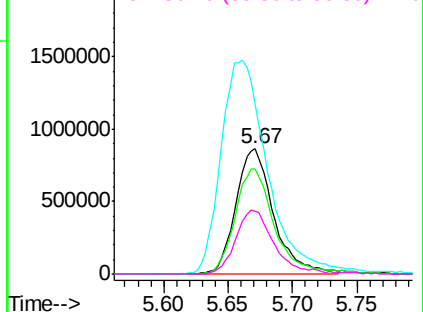
#26
Hexane
Concen: 10.194 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

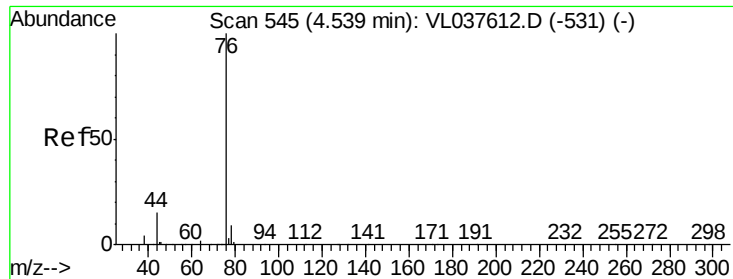
Tgt Ion: 57 Resp: 1760574

Ion	Ratio	Lower	Upper
57	100		
41	88.7	70.9	106.3
43	213.3	170.4	255.6
56	52.2	42.6	64.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.972 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

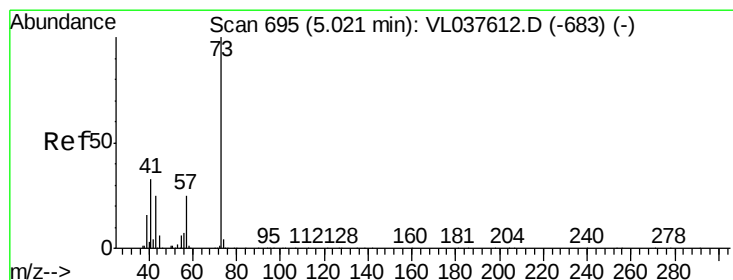
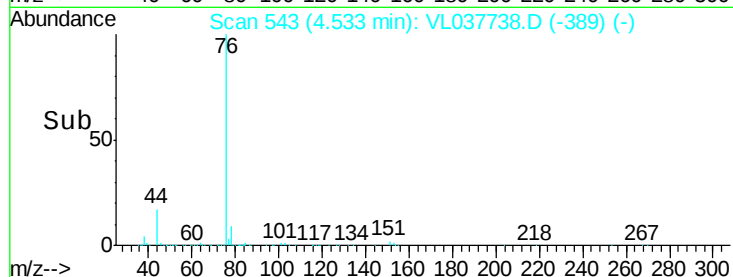
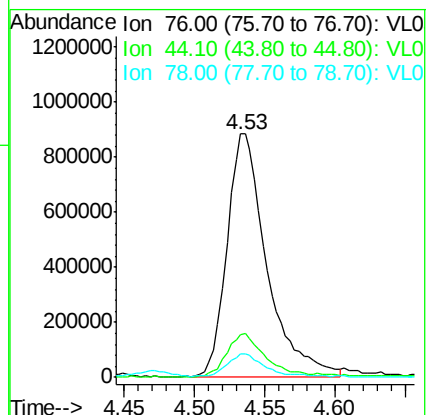
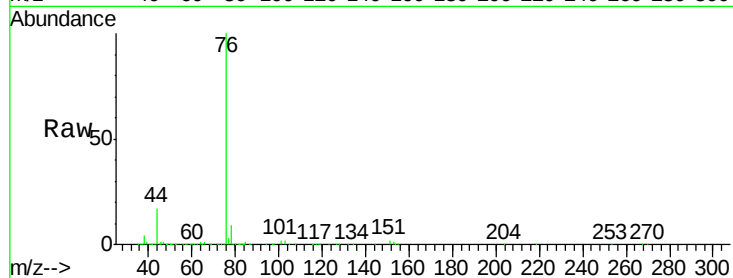
Tgt Ion: 76 Resp: 1733586

Ion Ratio Lower Upper

76 100

44 18.2 14.2 21.2

78 10.2 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 9.484 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.01 min

Lab File: VL037738.D

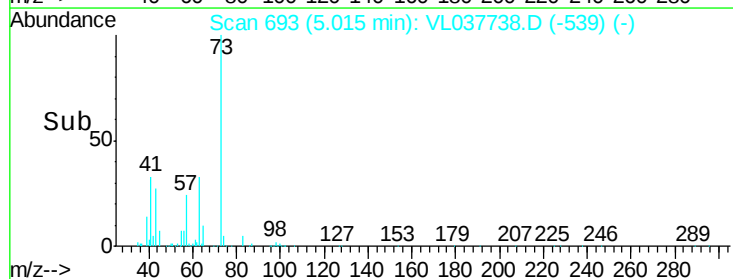
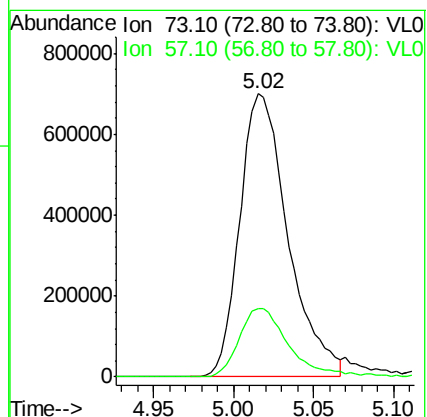
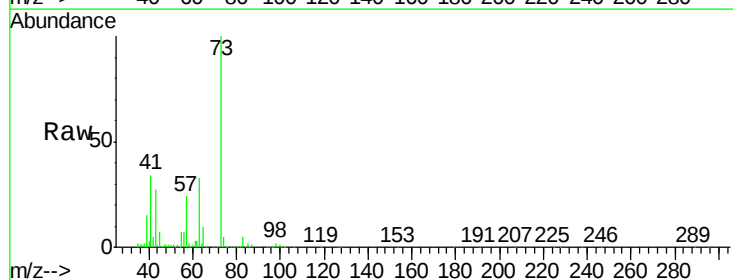
Acq: 1 Oct 2021 10:46

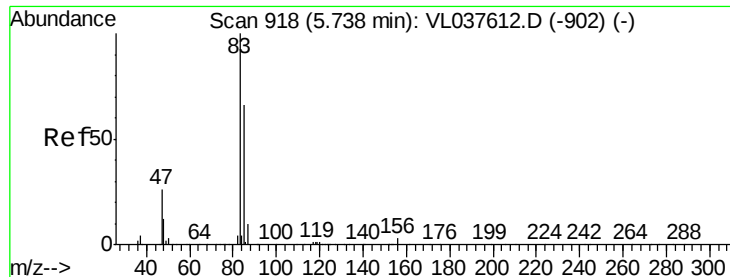
Tgt Ion: 73 Resp: 1442802

Ion Ratio Lower Upper

73 100

57 25.4 20.1 30.1

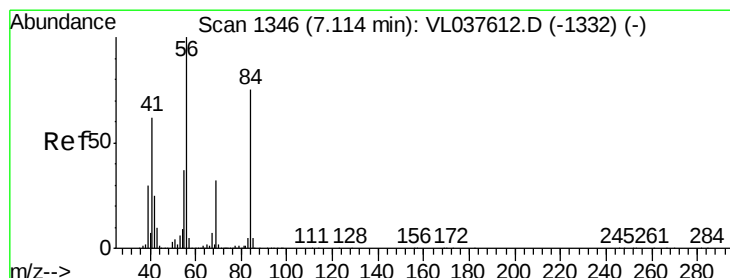
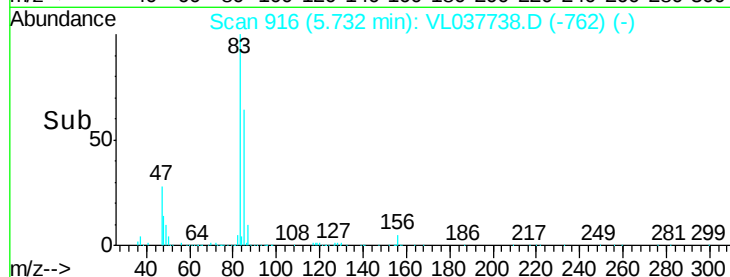
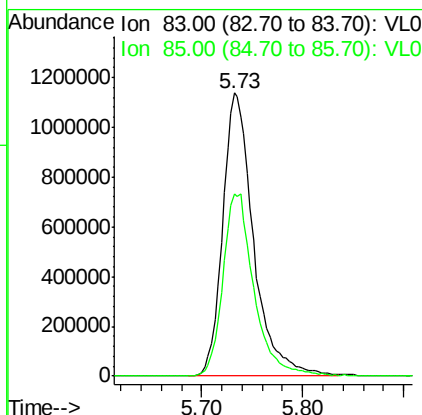
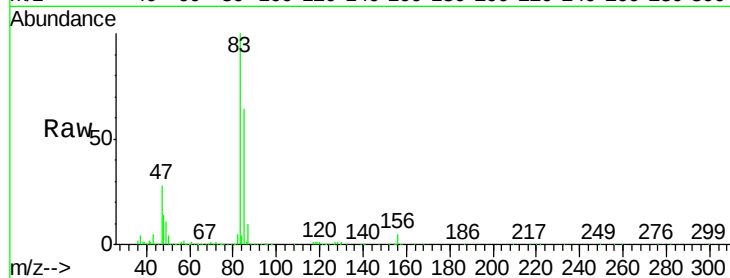




#29
Chloroform
Concen: 9.625 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

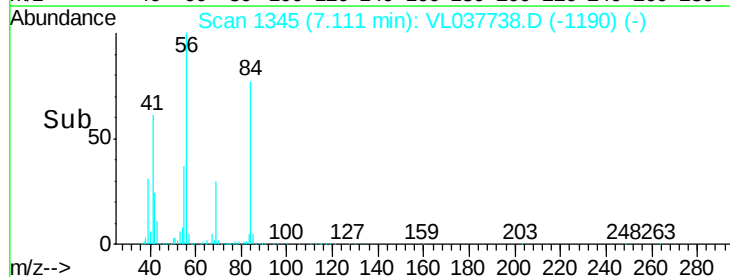
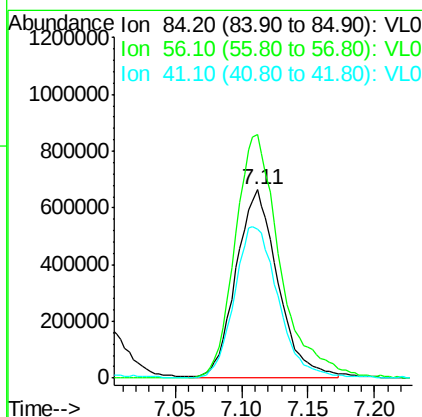
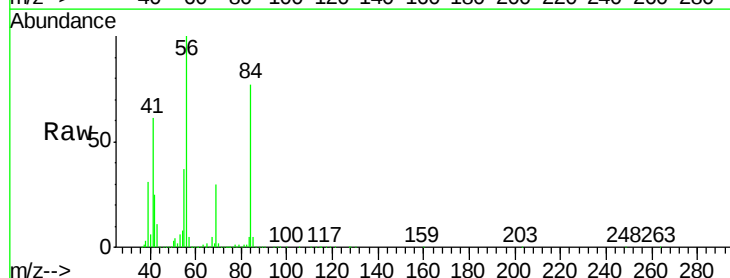
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

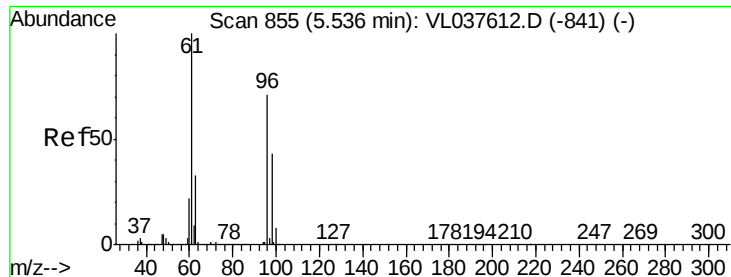
Tgt Ion: 83 Resp: 2427383
Ion Ratio Lower Upper
83 100
85 64.3 52.6 79.0



#30
Cyclohexane
Concen: 9.866 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 84 Resp: 1457353
Ion Ratio Lower Upper
84 100
56 140.5 113.6 170.4
41 85.4 67.9 101.9



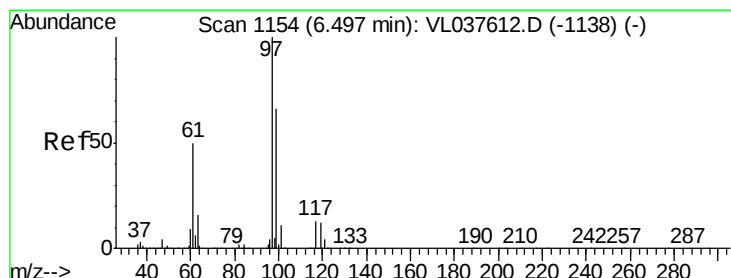
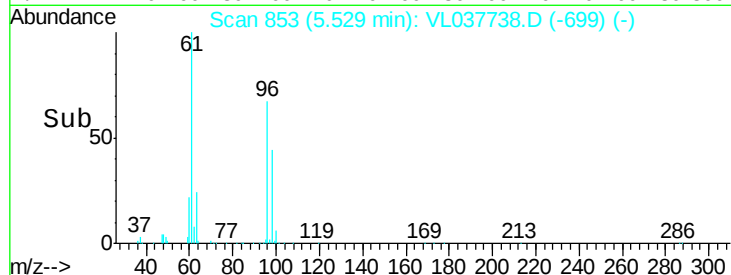
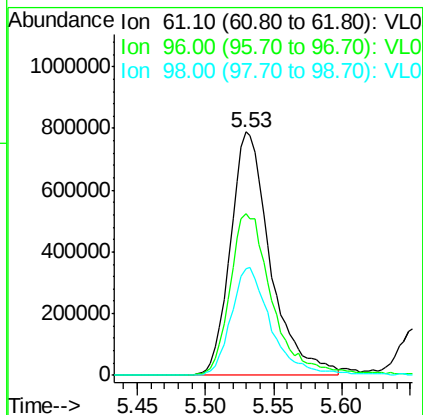
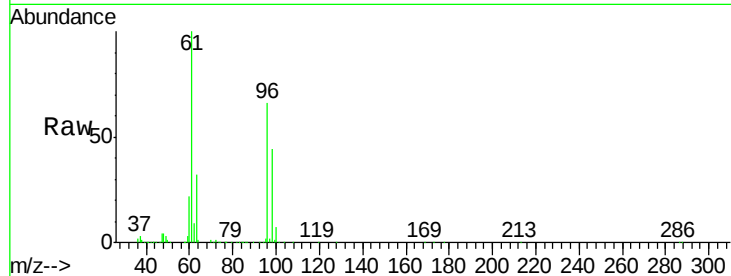


#31

cis-1,2-Dichloroethene
 Concen: 10.221 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

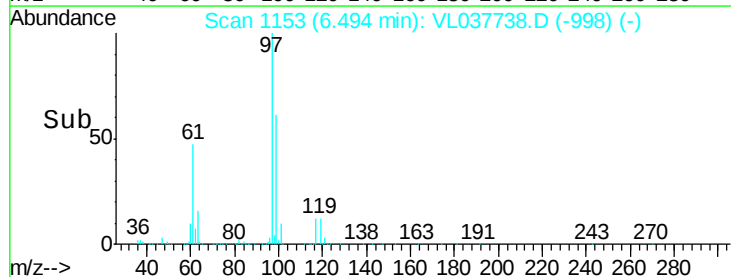
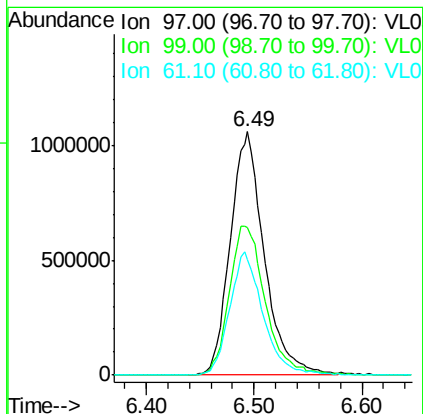
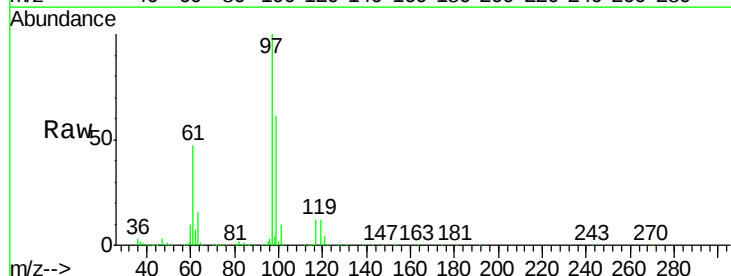
Tgt Ion: 61 Resp: 1602532
 Ion Ratio Lower Upper
 61 100
 96 66.3 56.7 85.1
 98 43.6 34.6 52.0

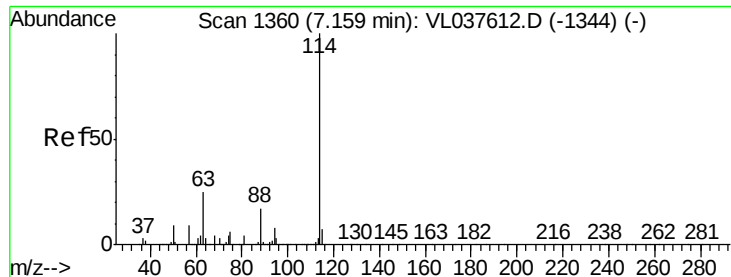


#32

1,1,1-Trichloroethane
 Concen: 9.915 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 97 Resp: 2328056
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.3 78.5
 61 50.2 39.5 59.3

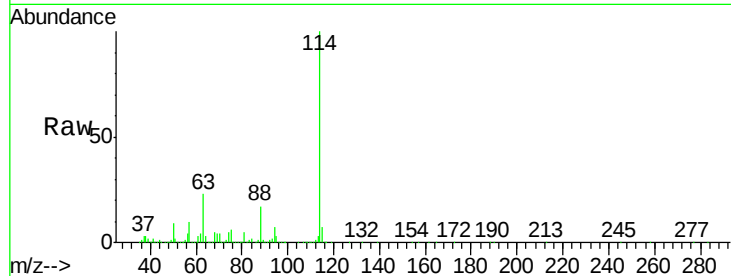




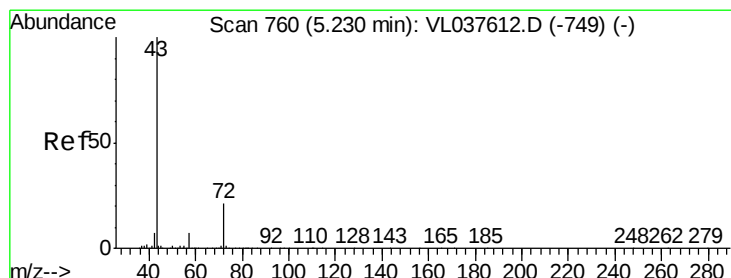
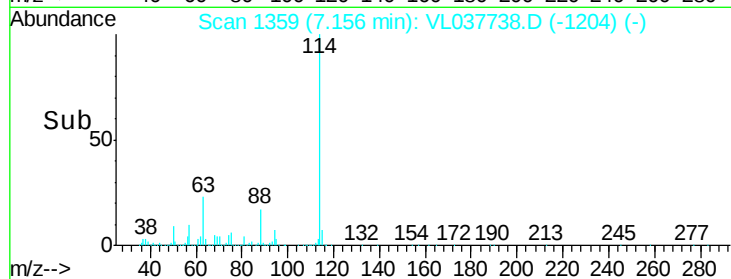
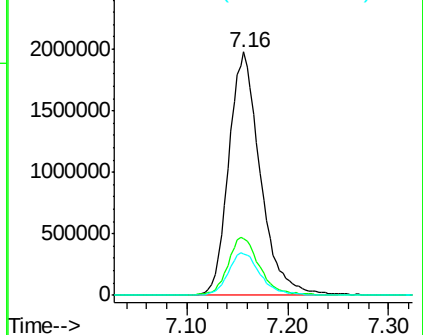
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 4313101
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.6 29.4
 88 17.9 14.2 21.4

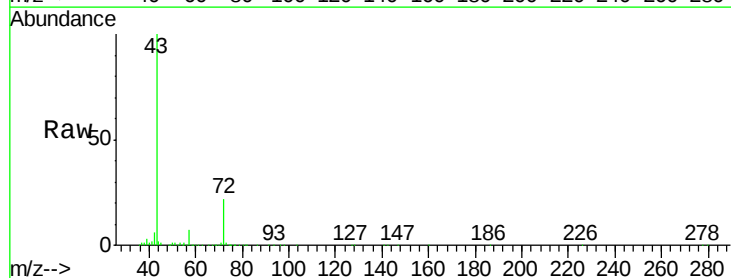


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

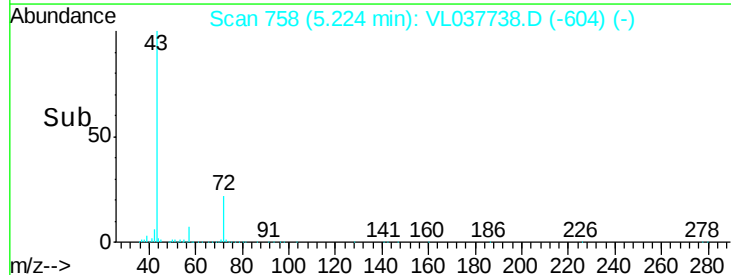
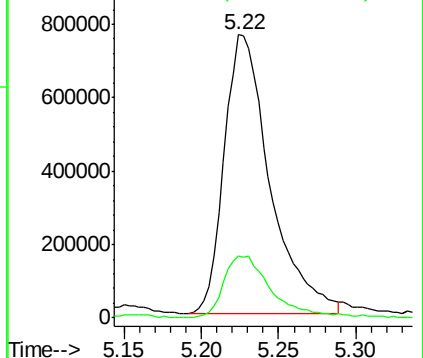


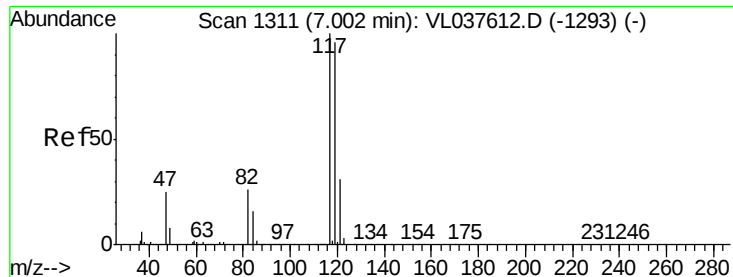
#34
 2-Butanone
 Concen: 8.972 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 43 Resp: 1572482
 Ion Ratio Lower Upper
 43 100
 72 23.1 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: 9.925 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

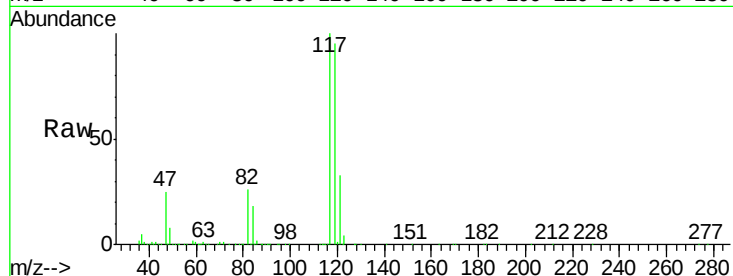
Tgt Ion:117 Resp: 2421494

Ion Ratio Lower Upper

117 100

119 95.5 77.0 115.6

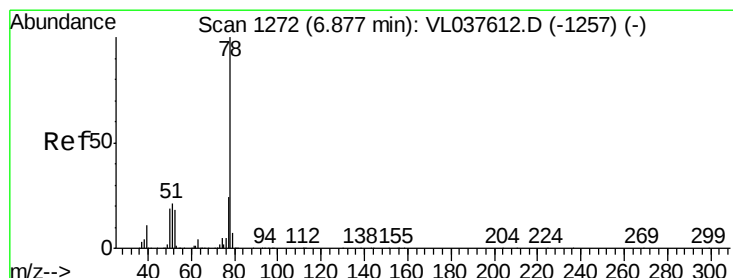
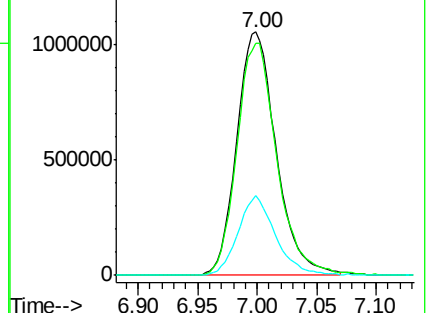
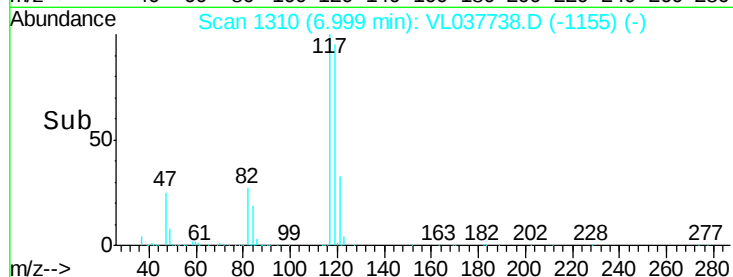
121 32.7 24.5 36.7



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: 9.993 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

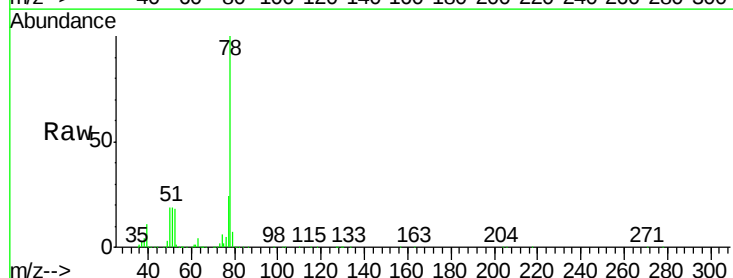
Tgt Ion: 78 Resp: 3593998

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

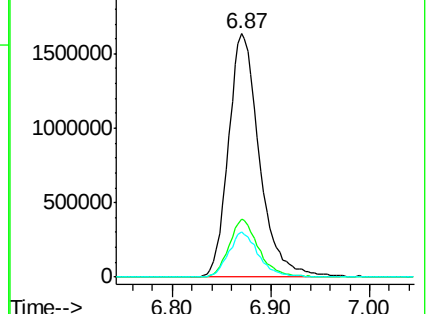
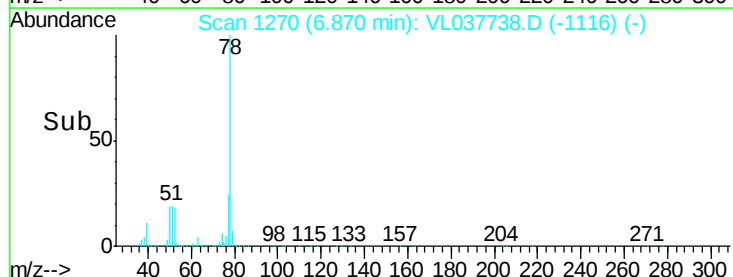
50 18.6 14.8 22.2

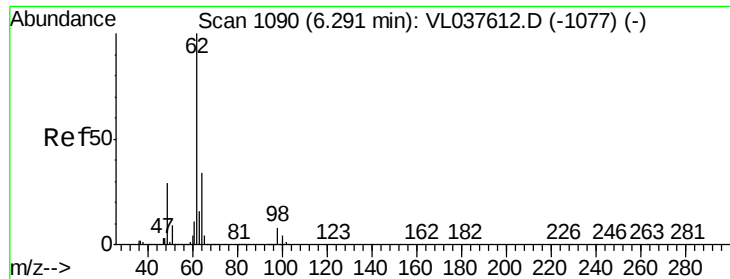


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.732 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

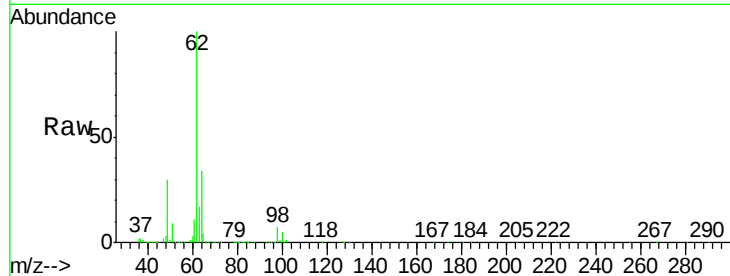
VSTDCCC010

Tgt Ion: 62 Resp: 1721405

Ion Ratio Lower Upper

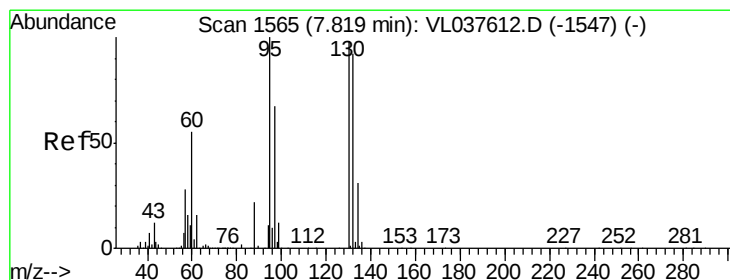
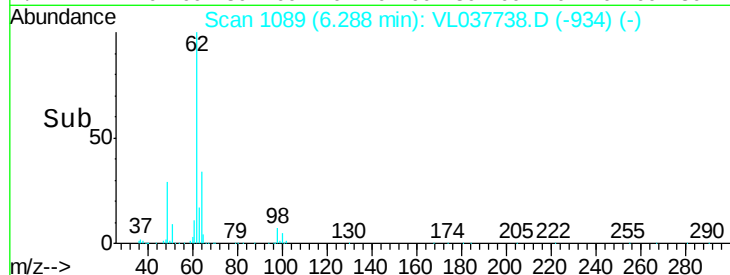
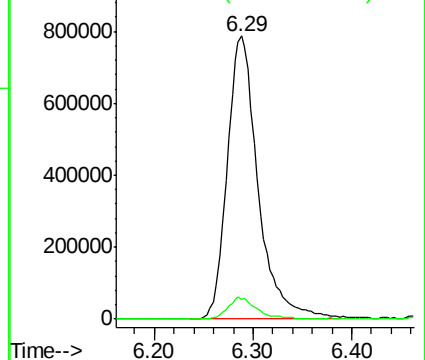
62 100

98 7.3 6.1 9.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.198 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion: 130 Resp: 1381922

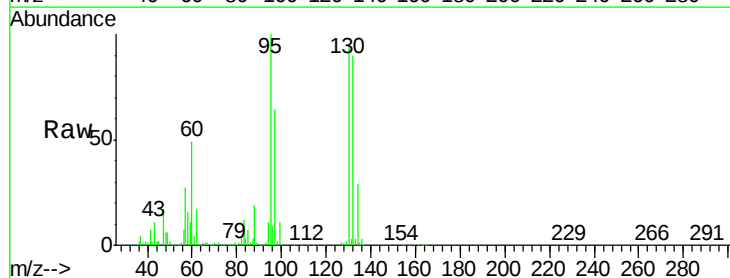
Ion Ratio Lower Upper

130 100

95 105.9 81.8 122.6

132 95.1 75.3 112.9

97 67.5 54.7 82.1

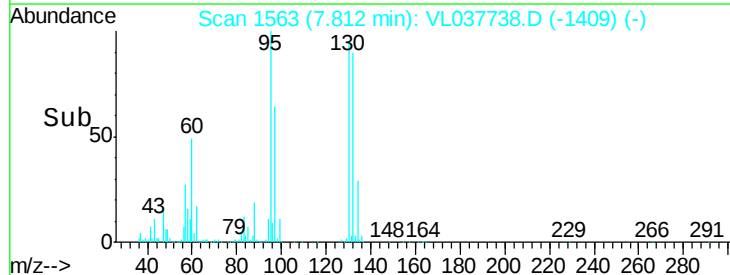
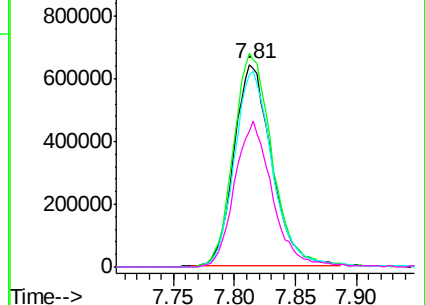


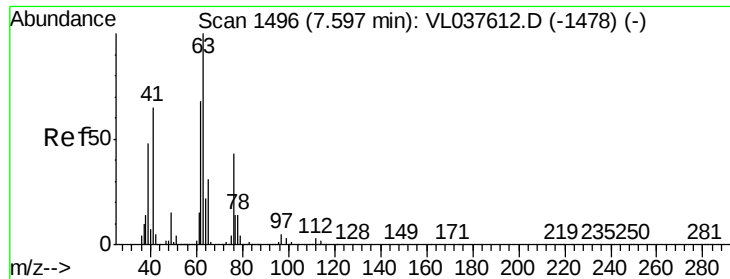
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.990 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

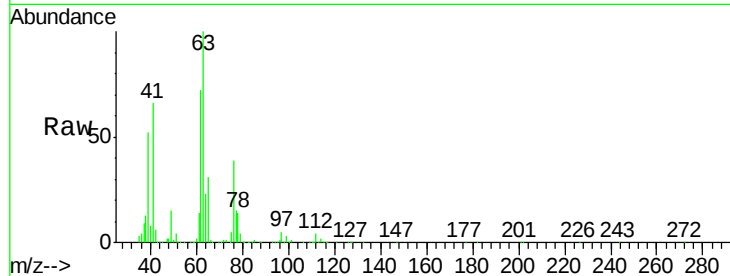
Tgt Ion: 63 Resp: 1376201

Ion Ratio Lower Upper

63 100

41 65.7 51.6 77.4

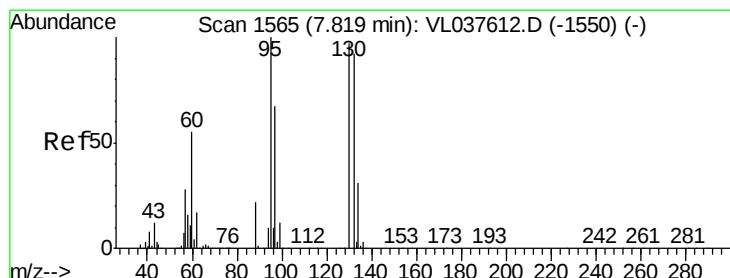
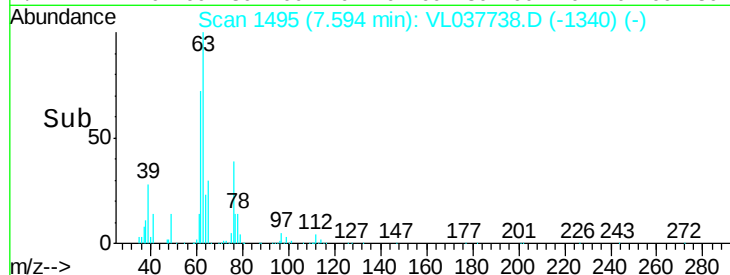
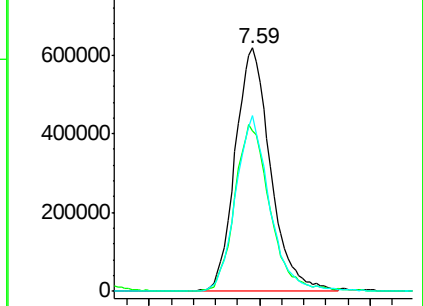
62 72.3 54.6 81.8



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



#40

1,4-Dioxane

Concen: 9.750 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion: 88 Resp: 326723

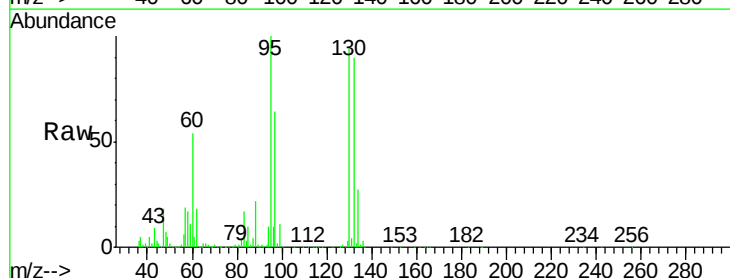
Ion Ratio Lower Upper

88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#

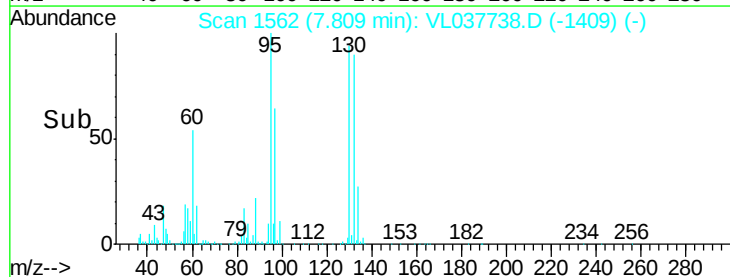
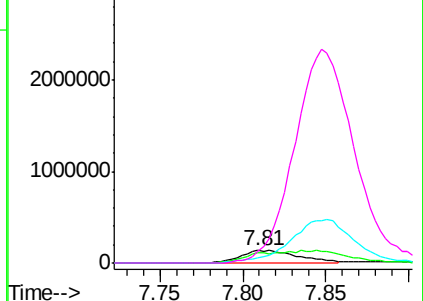


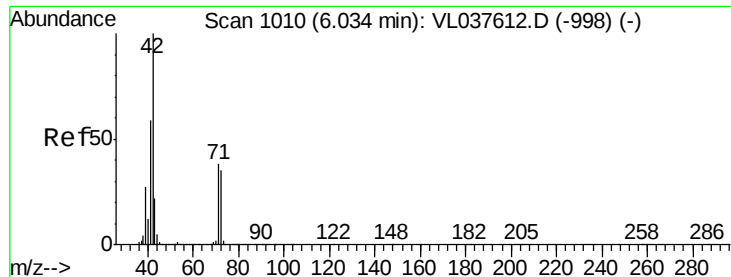
Abundance Ion 88.10 (87.80 to 88.80): VL0

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





#41

Tetrahydrofuran

Concen: 10.767 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

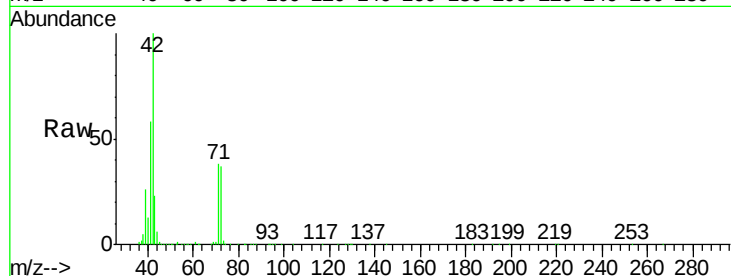
Tgt Ion: 42 Resp: 887171

Ion Ratio Lower Upper

42 100

72 38.2 31.4 47.2

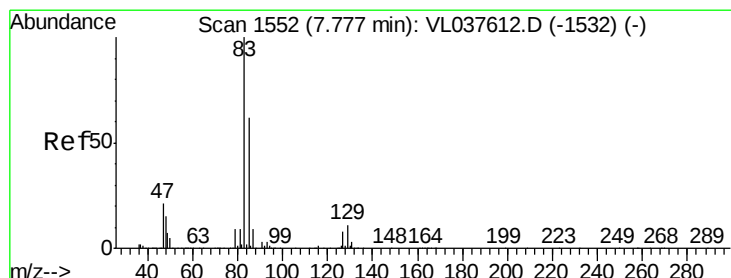
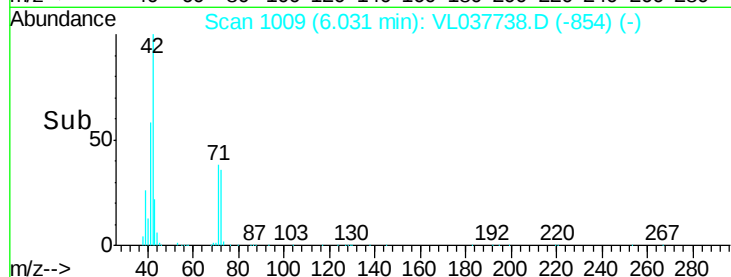
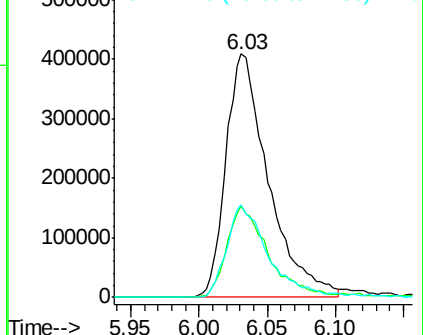
71 38.0 30.6 46.0



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.102 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

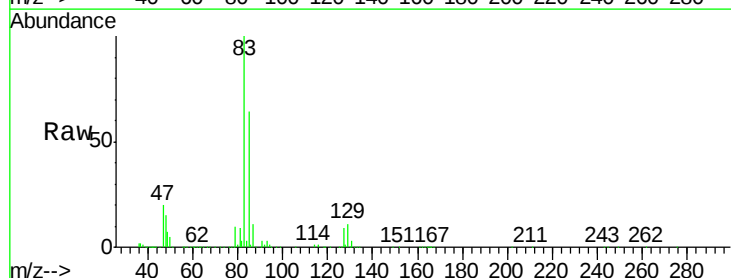
Tgt Ion: 83 Resp: 2561058

Ion Ratio Lower Upper

83 100

85 63.9 49.8 74.6

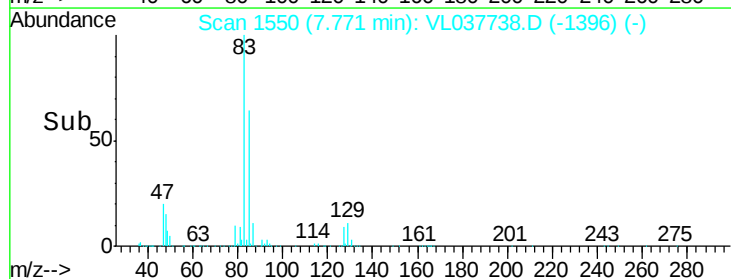
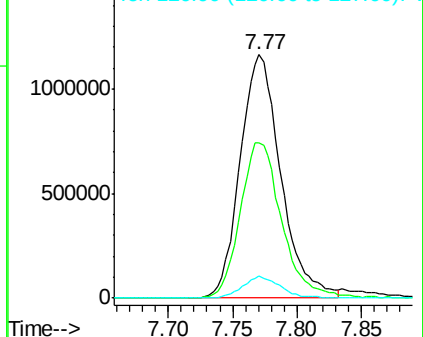
127 8.9 6.4 9.6

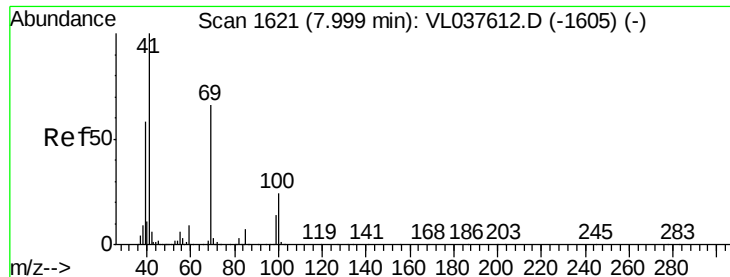


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

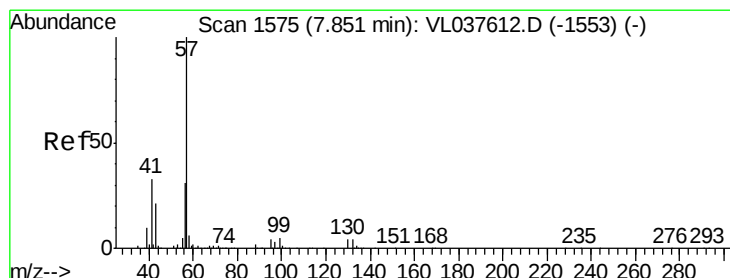
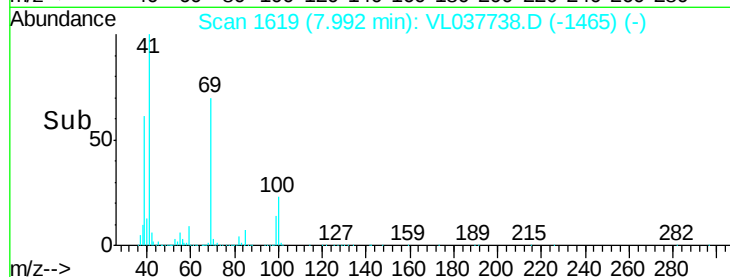
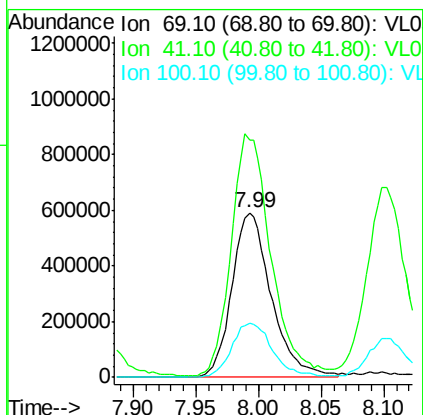
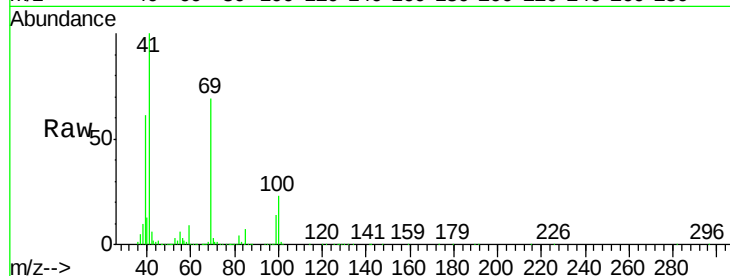




#43
Methyl Methacrylate
Concen: 10.814 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

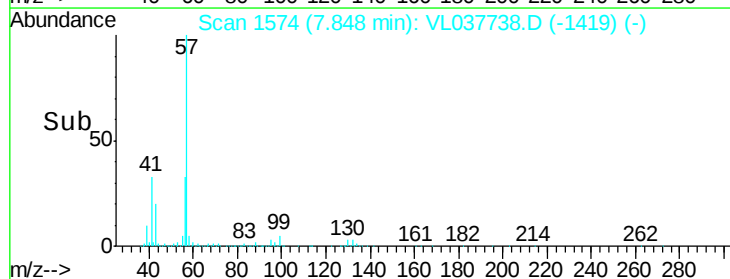
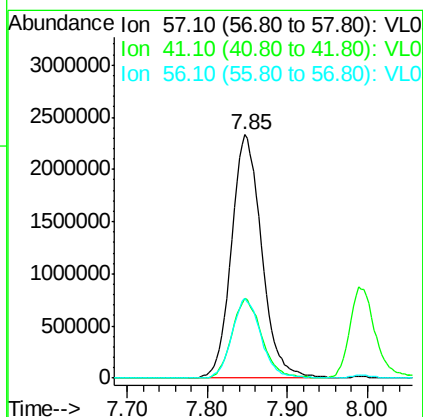
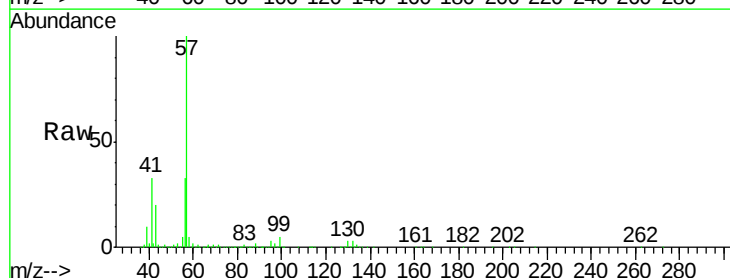
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

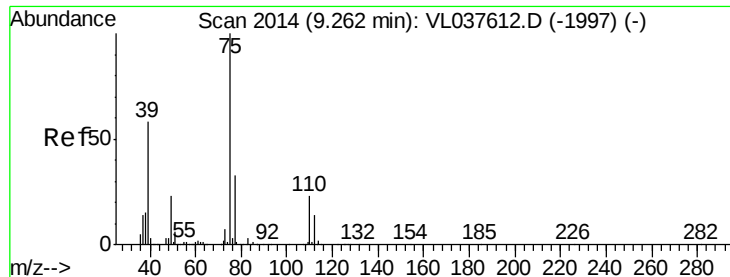
Tgt Ion: 69 Resp: 1293932
Ion Ratio Lower Upper
69 100
41 149.2 119.0 178.4
100 34.5 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.841 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 57 Resp: 5950319
Ion Ratio Lower Upper
57 100
41 32.3 26.1 39.1
56 31.7 25.7 38.5

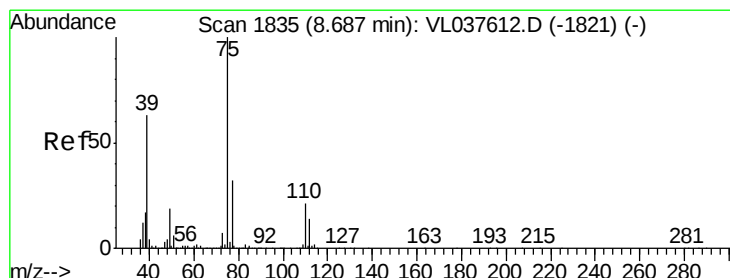
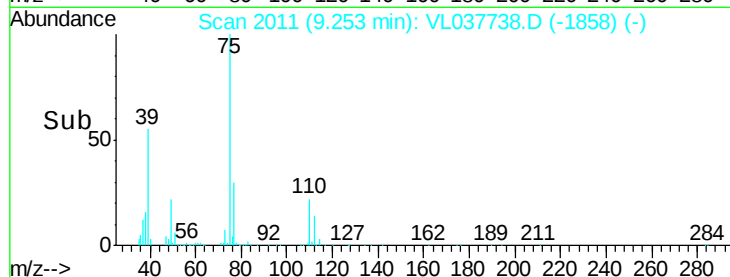
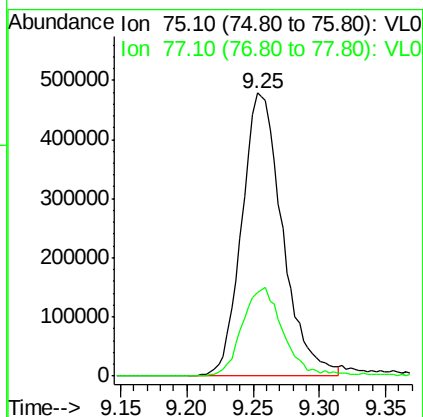
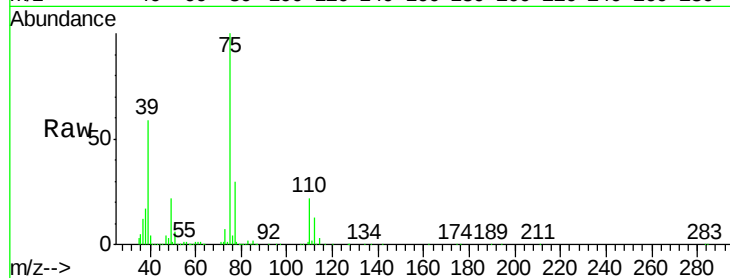




#45
 t-1,3-Dichloropropene
 Concen: 10.872 ppbv
 RT: 9.25 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

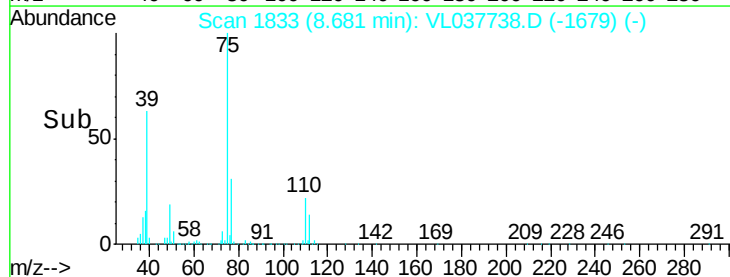
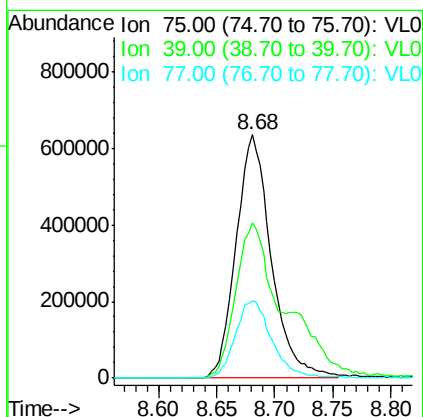
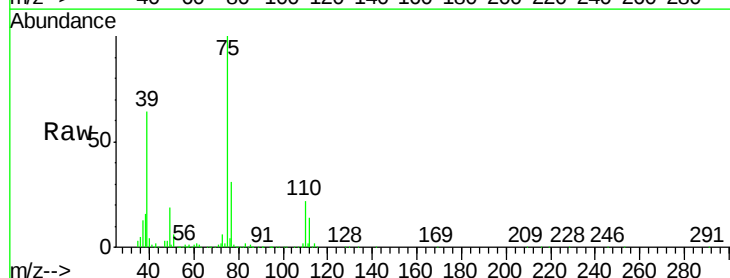
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

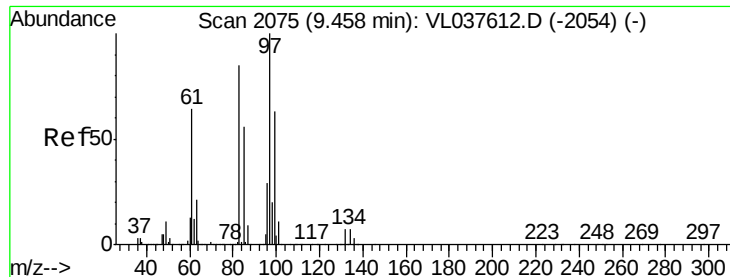
Tgt Ion: 75 Resp: 1021758
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.3 39.5



#46
 cis-1,3-Dichloropropene
 Concen: 10.578 ppbv
 RT: 8.68 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 75 Resp: 1342875
 Ion Ratio Lower Upper
 75 100
 39 63.6 50.2 75.4
 77 31.5 25.2 37.8



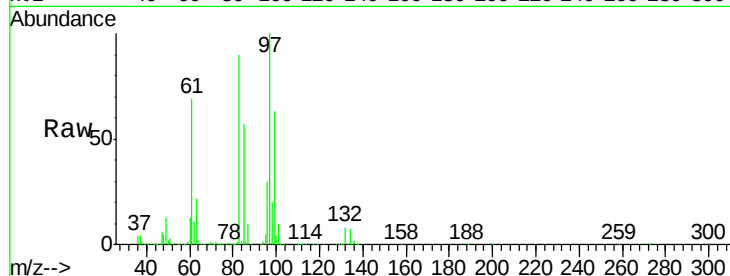


#47
 1,1,2-Trichloroethane
 Concen: 9.334 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1422329

Ion	Ratio	Lower	Upper
97	100		
83	89.9	67.9	101.9
85	57.2	44.8	67.2
99	63.2	50.1	75.1

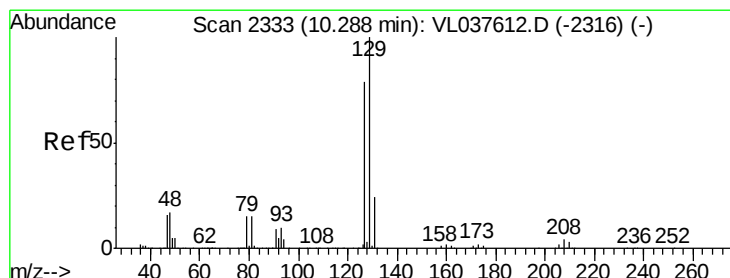
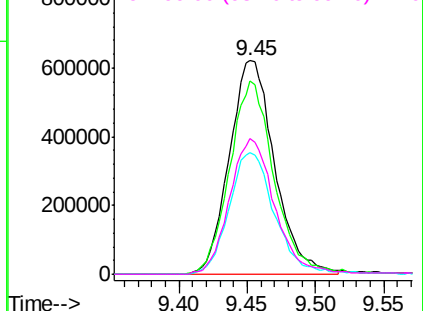
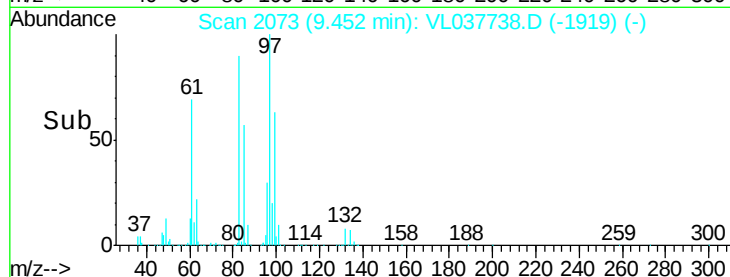


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

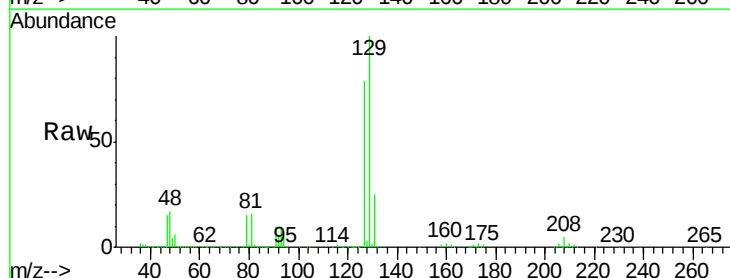
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.557 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

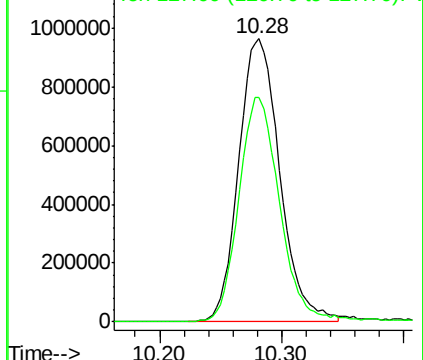
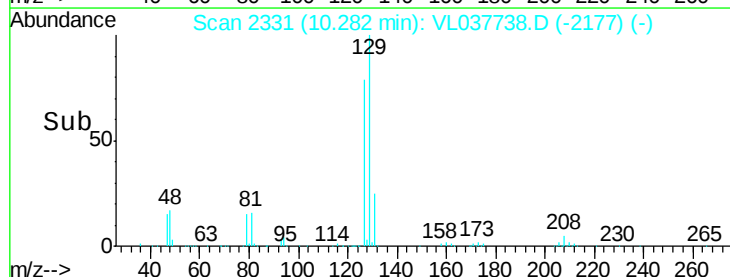
Tgt Ion: 129 Resp: 2244198

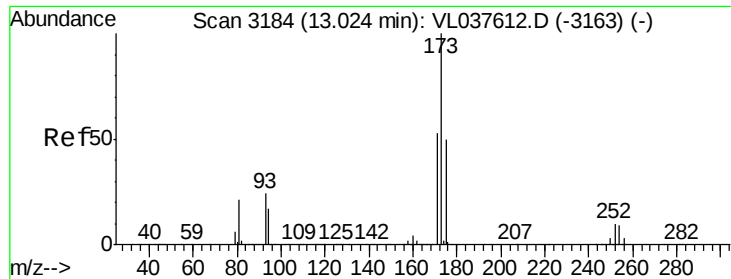
Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.3	117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.619 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

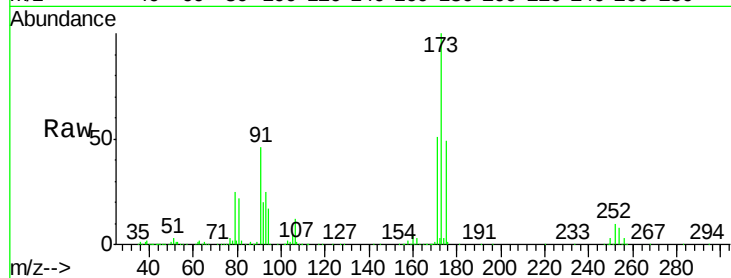
Tgt Ion:173 Resp: 1806680

Ion Ratio Lower Upper

173 100

175 52.5 39.8 59.8

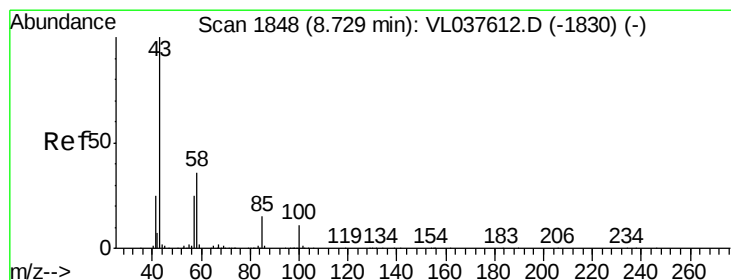
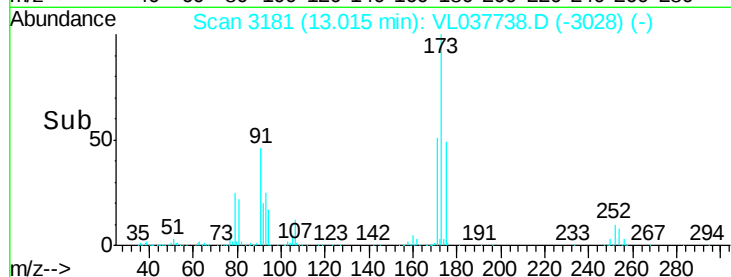
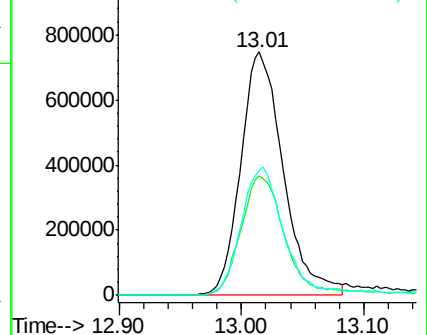
171 56.0 42.2 63.4



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: 10.640 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL037738.D

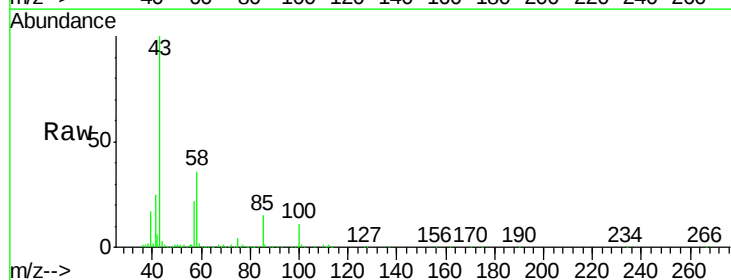
Acq: 1 Oct 2021 10:46

Tgt Ion: 43 Resp: 2367114

Ion Ratio Lower Upper

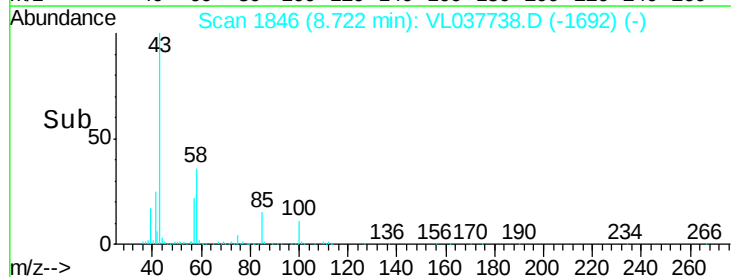
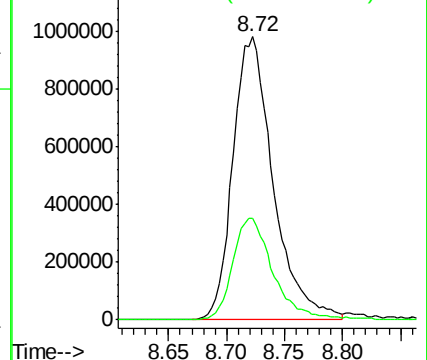
43 100

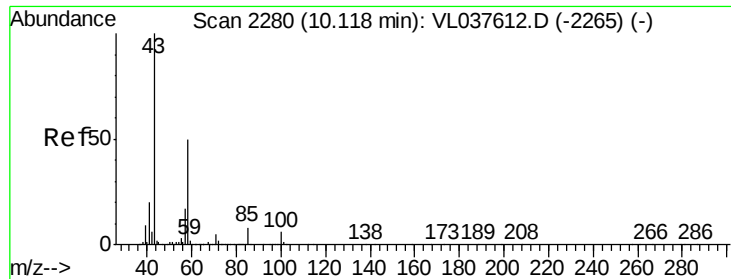
58 36.3 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

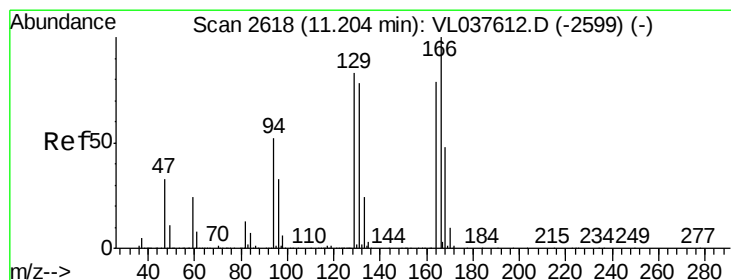
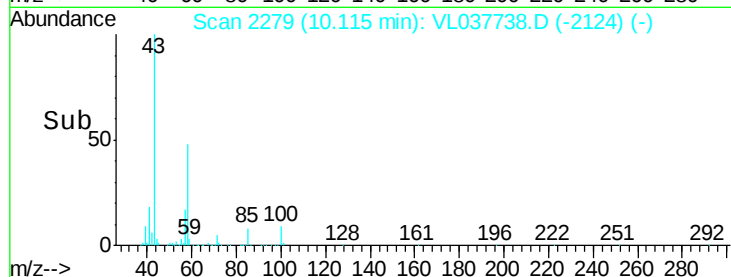
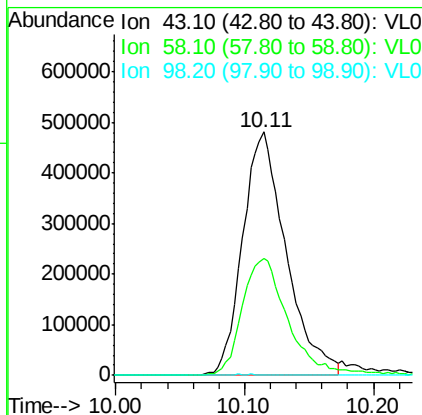
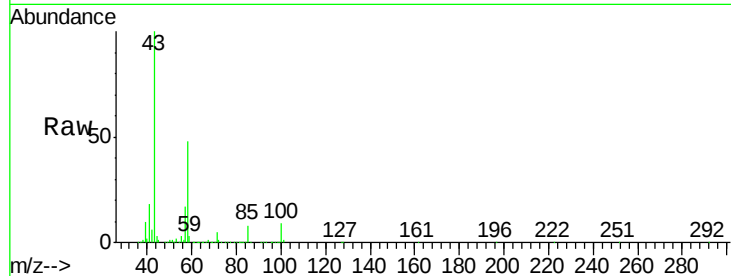




#51
2-Hexanone
Concen: 11.460 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

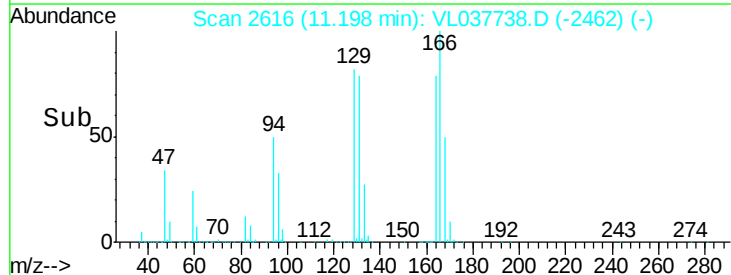
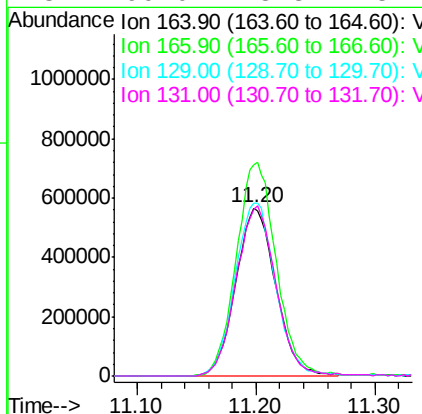
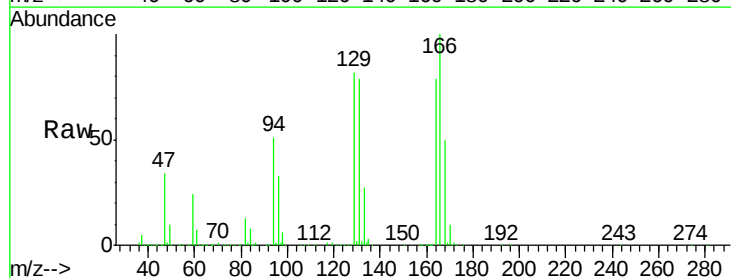
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

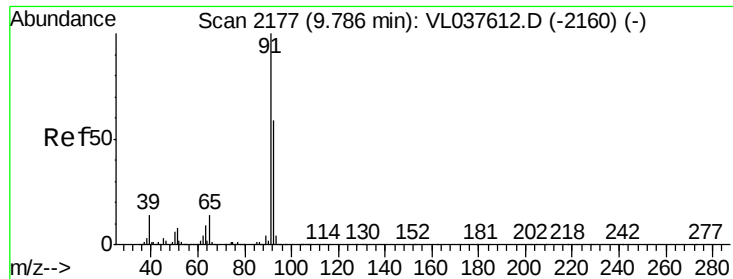
Tgt Ion: 43 Resp: 1124887
Ion Ratio Lower Upper
43 100
58 52.0 39.3 58.9
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.490 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 164 Resp: 1310351
Ion Ratio Lower Upper
164 100
166 125.7 101.2 151.8
129 103.2 84.0 126.0
131 99.0 78.8 118.2





#53

Toluene

Concen: 10.308 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

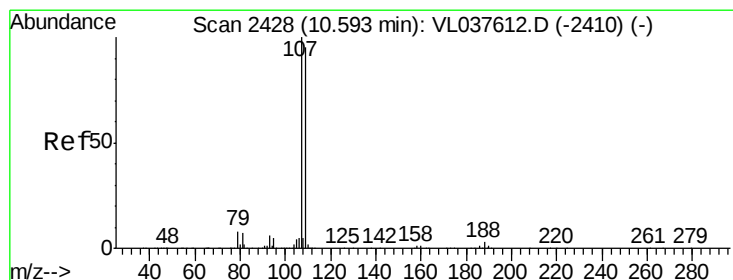
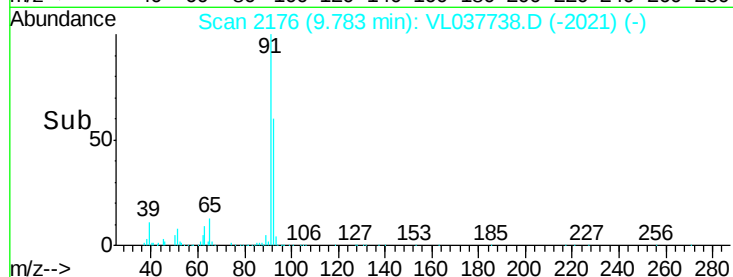
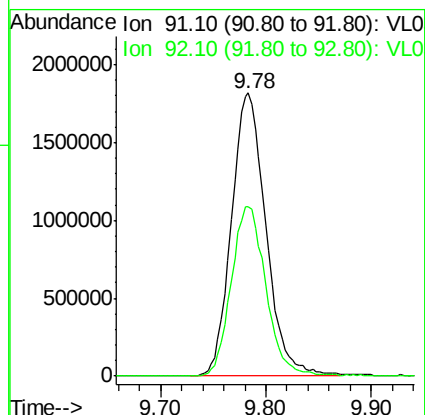
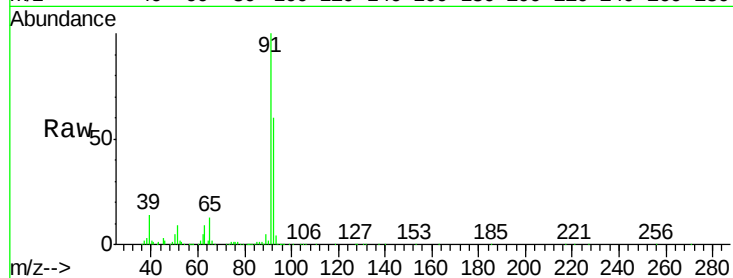
VSTDCCC010

Tgt Ion: 91 Resp: 4120758

Ion Ratio Lower Upper

91 100

92 60.8 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.618 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.01 min

Lab File: VL037738.D

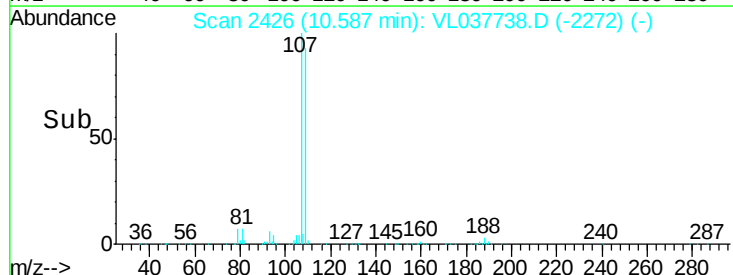
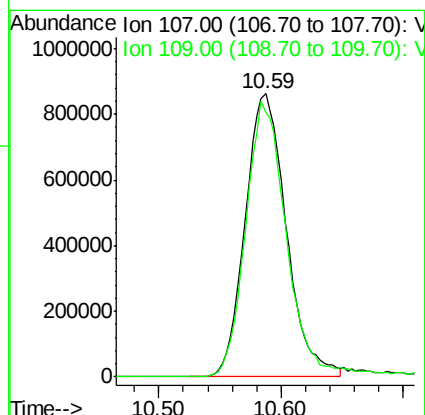
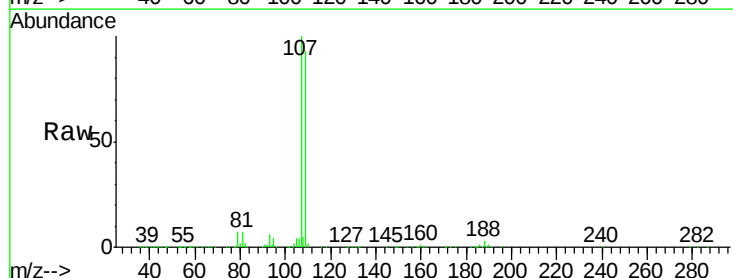
Acq: 1 Oct 2021 10:46

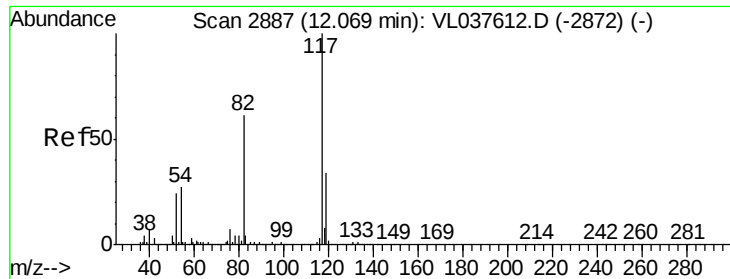
Tgt Ion: 107 Resp: 2006722

Ion Ratio Lower Upper

107 100

109 93.3 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

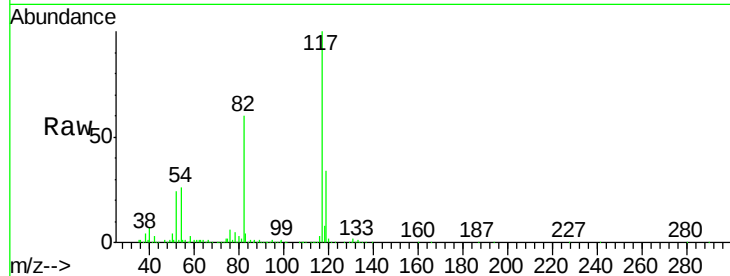
Tgt Ion:117 Resp: 4717216

Ion Ratio Lower Upper

117 100

82 51.6 50.6 75.8

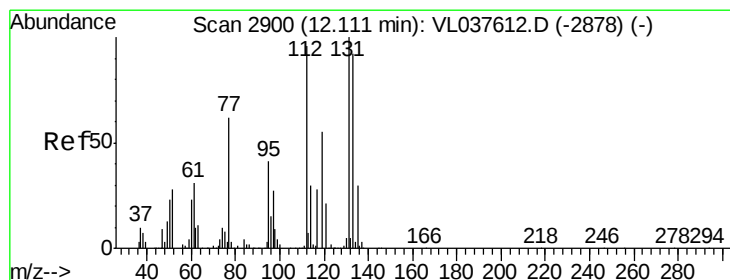
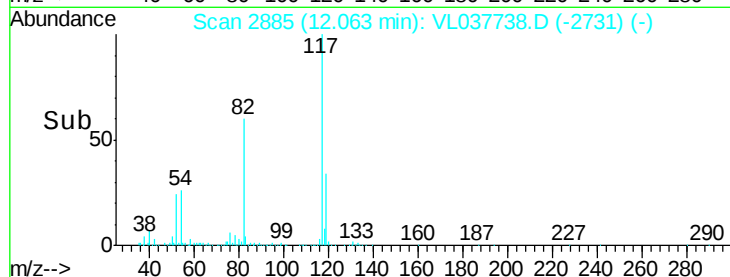
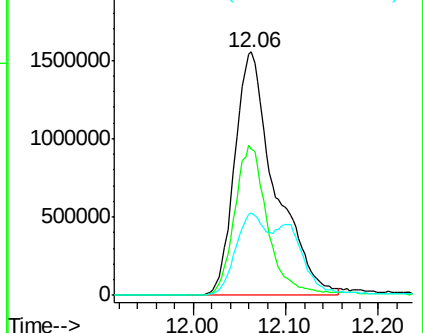
119 26.9 26.2 39.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.798 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

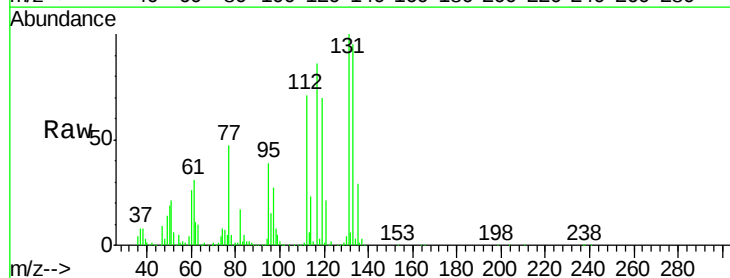
Tgt Ion:131 Resp: 1525739

Ion Ratio Lower Upper

131 100

133 99.1 76.8 115.2

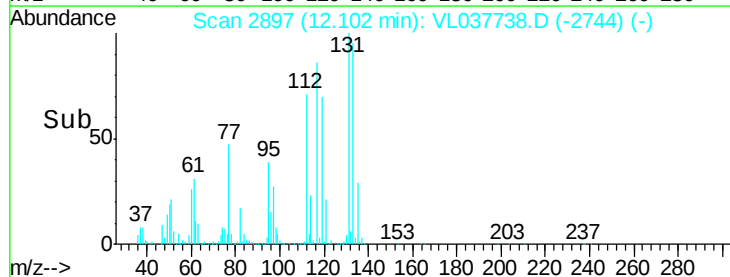
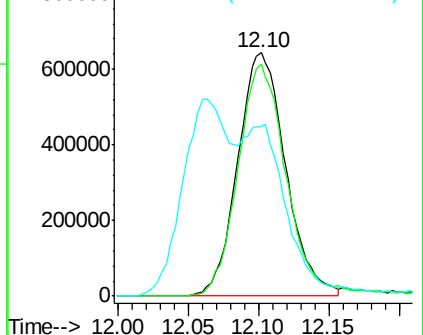
119 149.9 47.8 71.8#

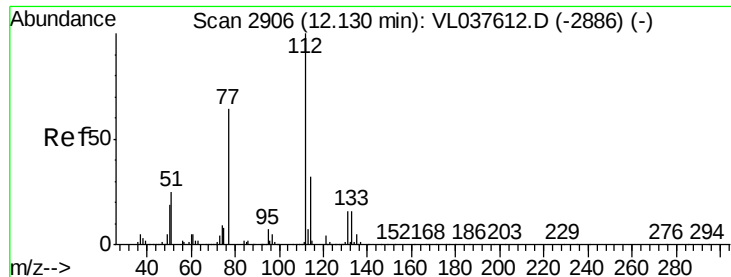


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.587 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

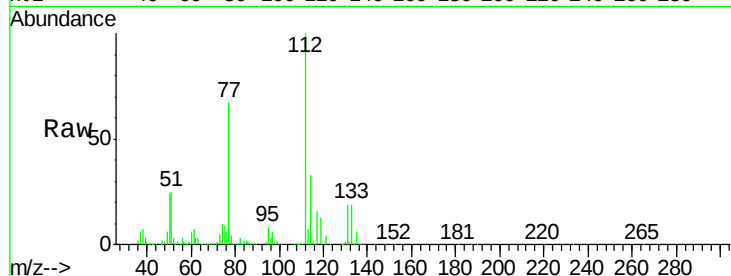
Tgt Ion: 112 Resp: 2975350

Ion Ratio Lower Upper

112 100

77 65.2 52.1 78.1

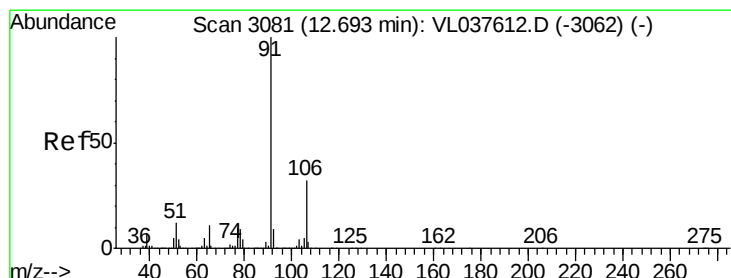
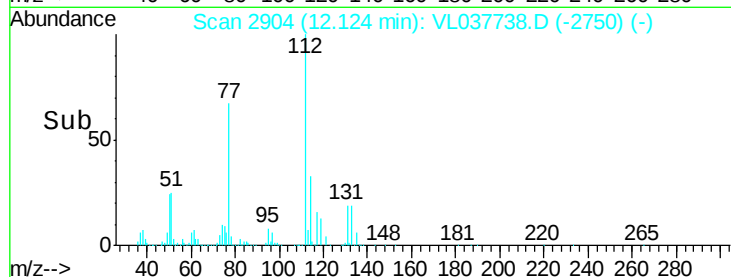
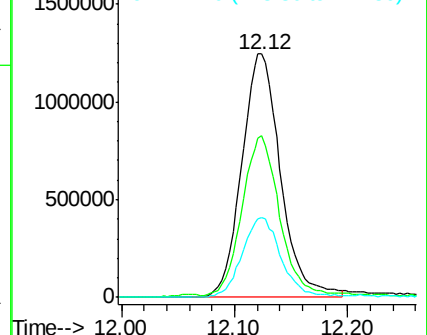
114 32.7 29.2 35.6



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: 8.225 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL037738.D

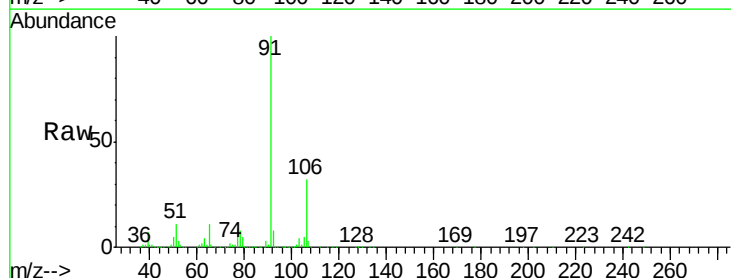
Acq: 1 Oct 2021 10:46

Tgt Ion: 91 Resp: 5150586

Ion Ratio Lower Upper

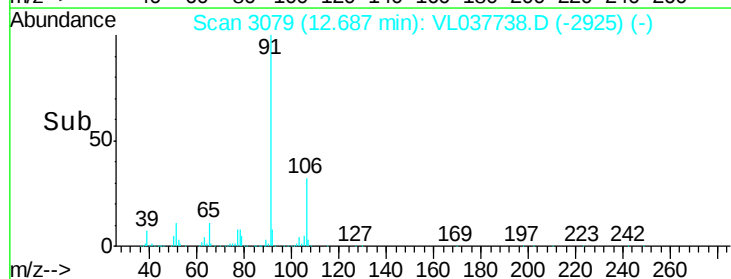
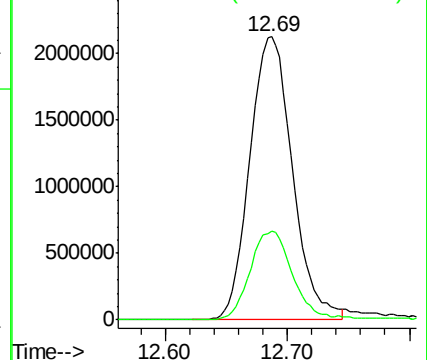
91 100

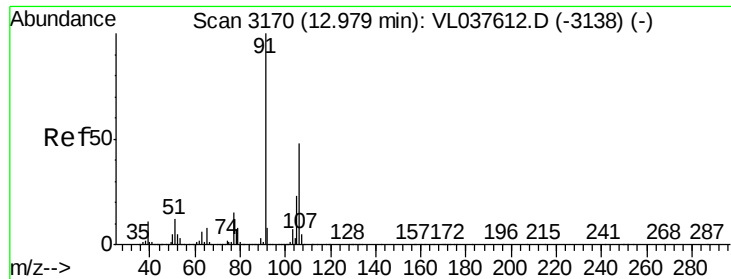
106 31.6 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

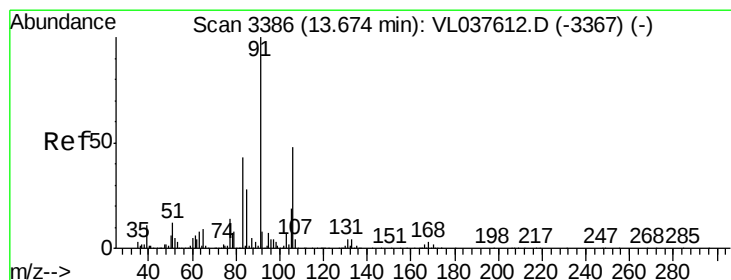
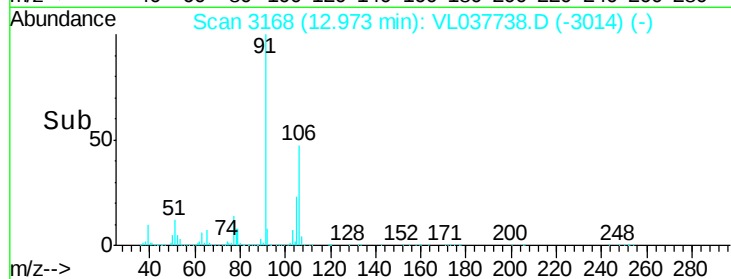
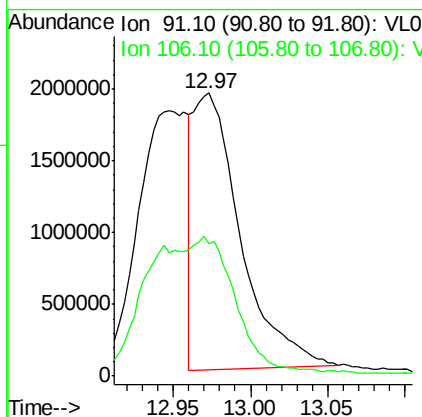
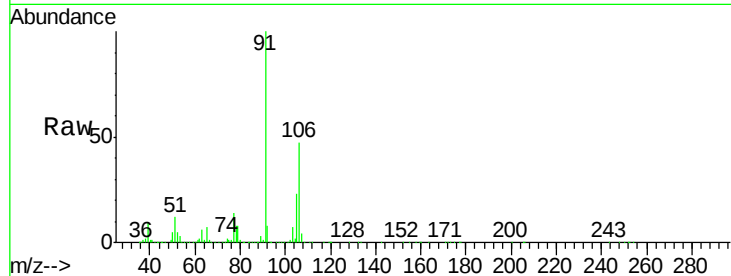




#59
m/p-Xylene
Concen: 7.423 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

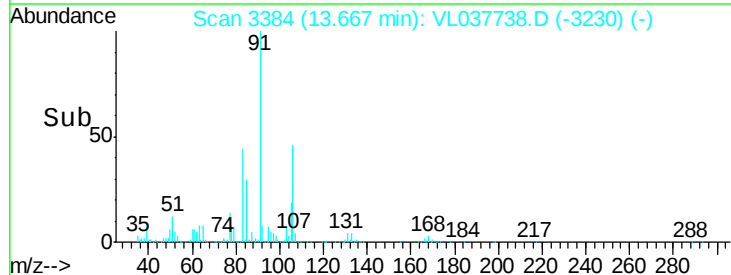
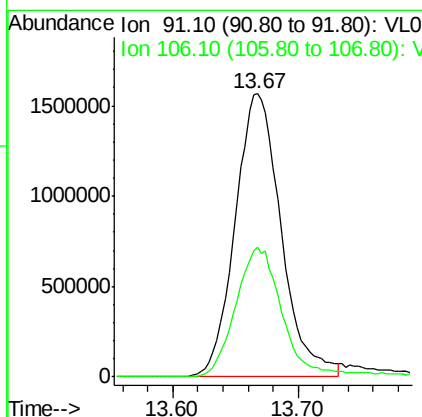
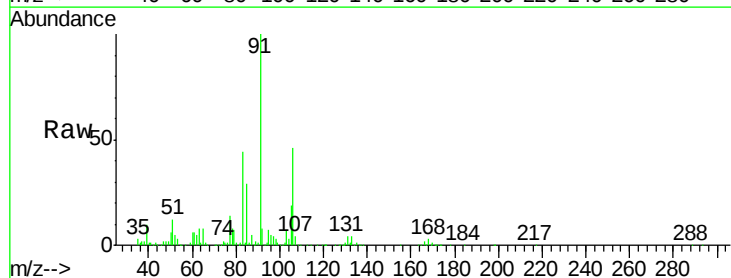
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

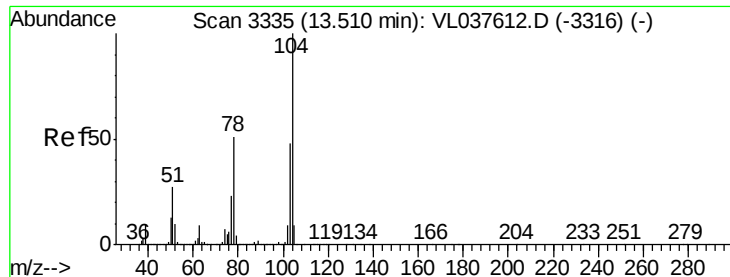
Tgt Ion: 91 Resp: 4050739
Ion Ratio Lower Upper
91 100
106 100.1 36.6 55.0#



#60
o-Xylene
Concen: 7.641 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 91 Resp: 3968427
Ion Ratio Lower Upper
91 100
106 47.9 23.0 69.0





#61

Styrene

Concen: 8.815 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

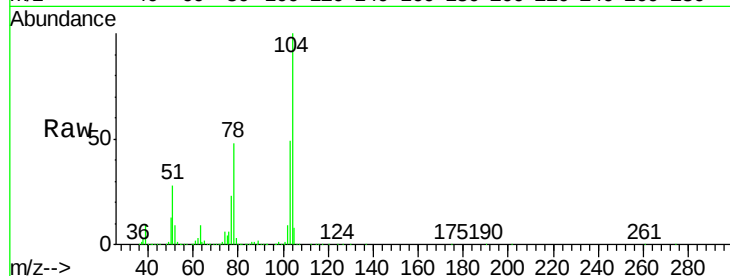
Tgt Ion:104 Resp: 2257677

Ion Ratio Lower Upper

104 100

78 50.4 39.7 59.5

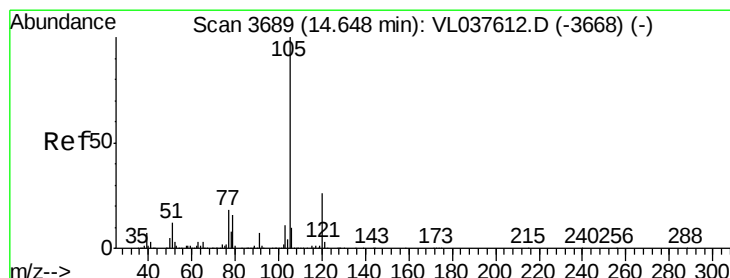
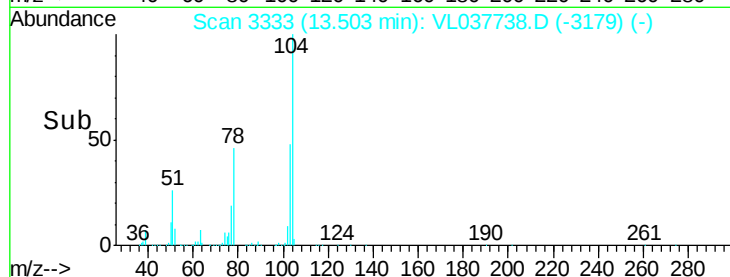
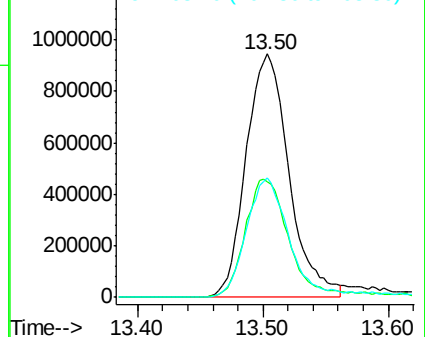
103 50.3 38.8 58.2



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: 7.670 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.01 min

Lab File: VL037738.D

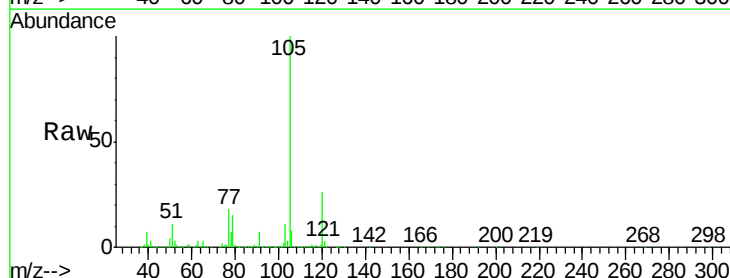
Acq: 1 Oct 2021 10:46

Tgt Ion:105 Resp: 5565451

Ion Ratio Lower Upper

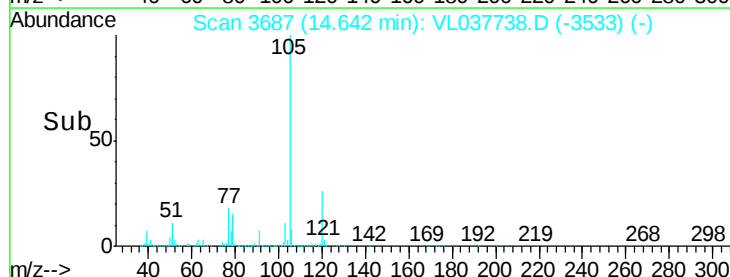
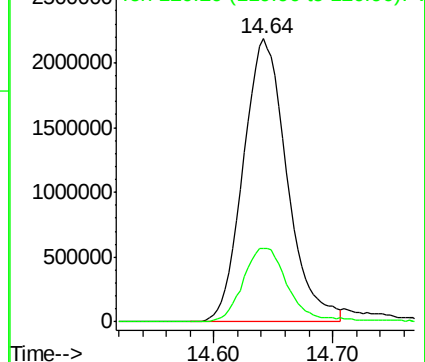
105 100

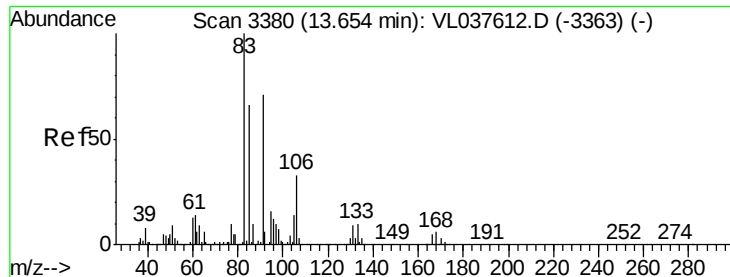
120 27.5 21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

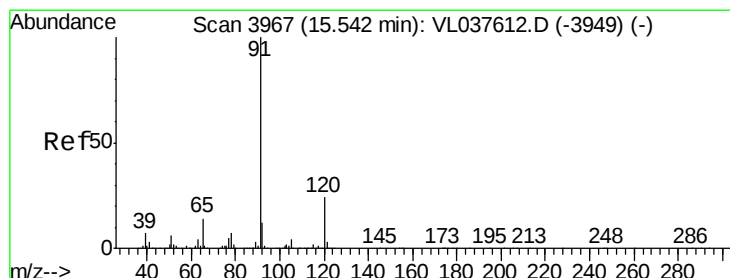
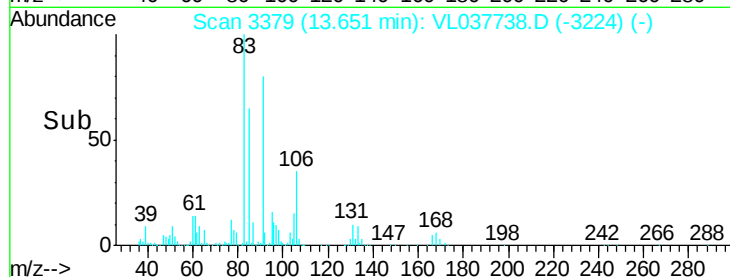
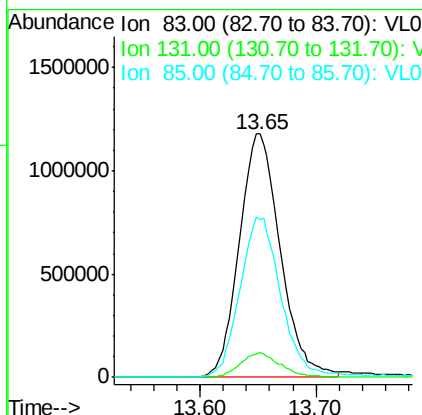
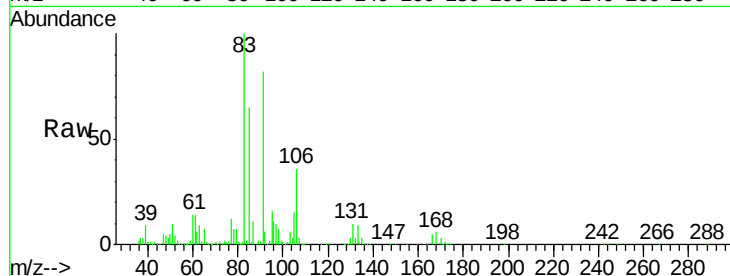




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.117 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

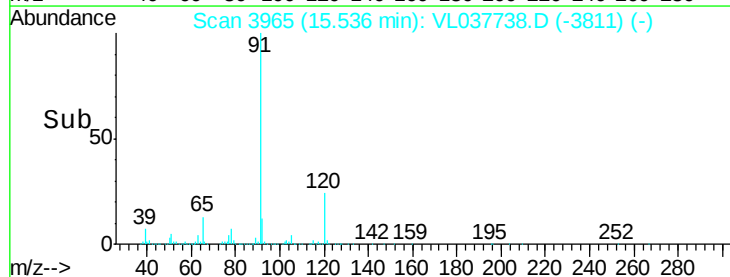
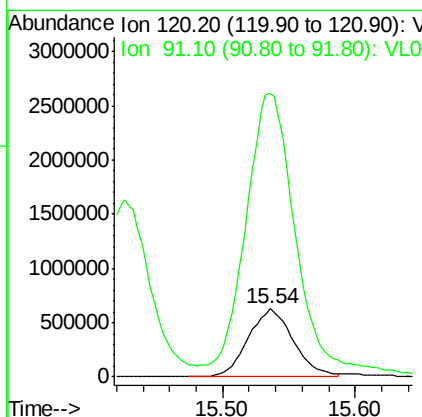
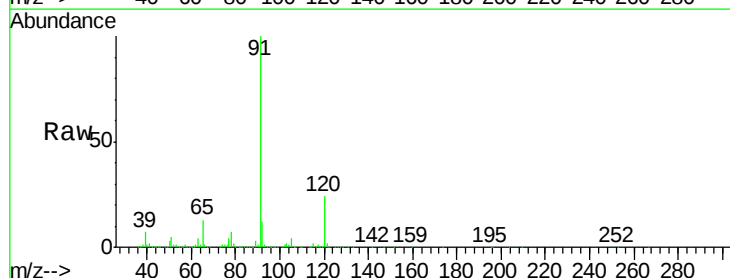
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

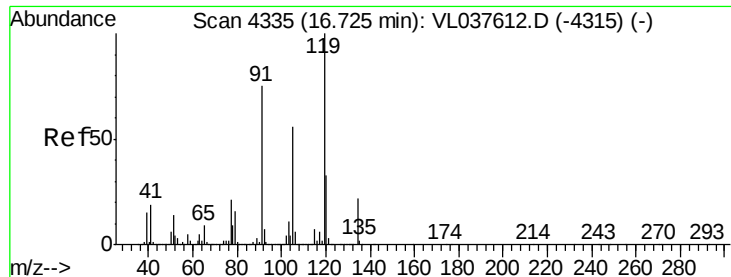
Tgt Ion: 83 Resp: 2892776
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.1 15.3
 85 66.5 33.3 99.9



#64
 n-propylbenzene
 Concen: 7.952 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 120 Resp: 1488833
 Ion Ratio Lower Upper
 120 100
 91 468.7 345.0 517.4

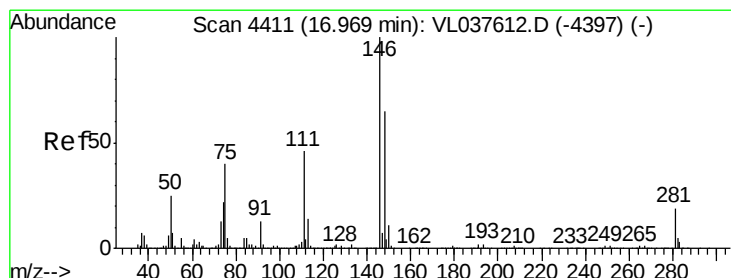
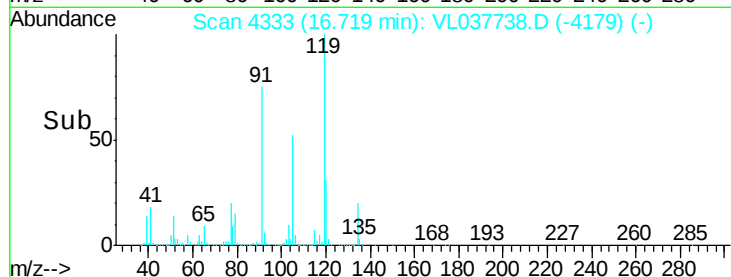
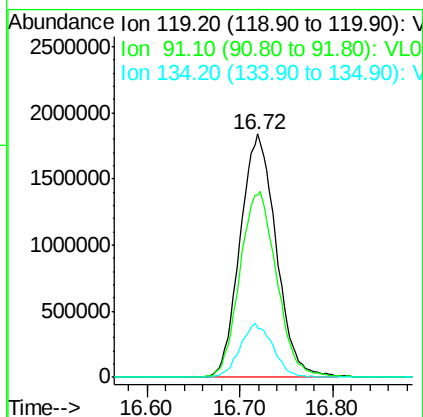
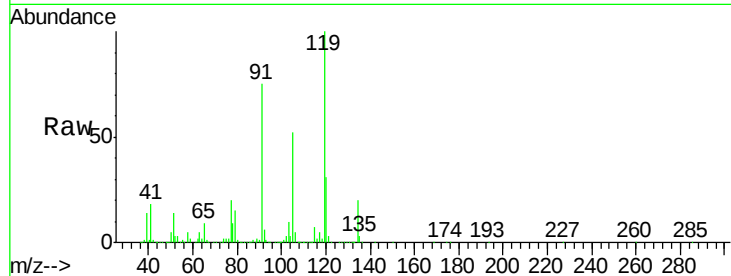




#65
 tert-Butylbenzene
 Concen: 7.587 ppbv
 RT: 16.72 min Scan# 4335
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

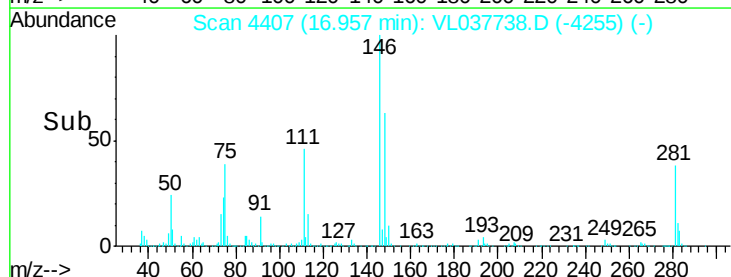
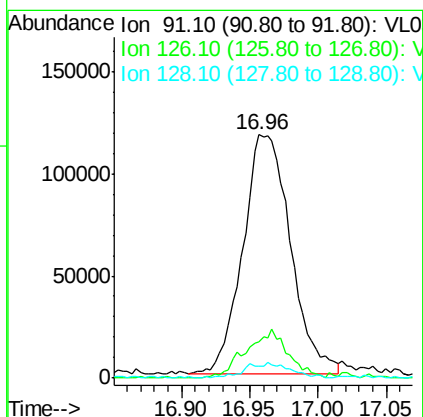
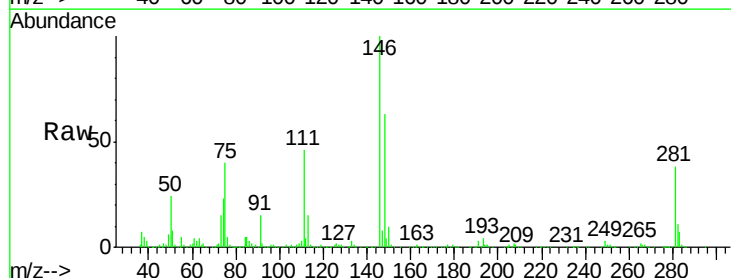
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

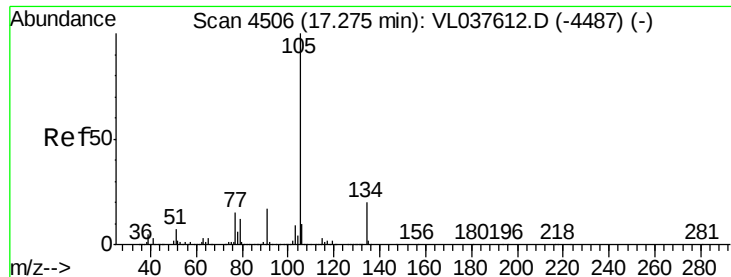
Tgt Ion: 119 Resp: 4963501
 Ion Ratio Lower Upper
 119 100
 91 78.1 61.9 92.9
 134 20.3 16.5 24.7



#66
 Benzyl Chloride
 Concen: 8.010 ppbv
 RT: 16.96 min Scan# 4407
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 91 Resp: 286357
 Ion Ratio Lower Upper
 91 100
 126 18.1 14.4 21.6
 128 7.1 5.7 8.5





#67

sec-Butylbenzene

Concen: 7.770 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

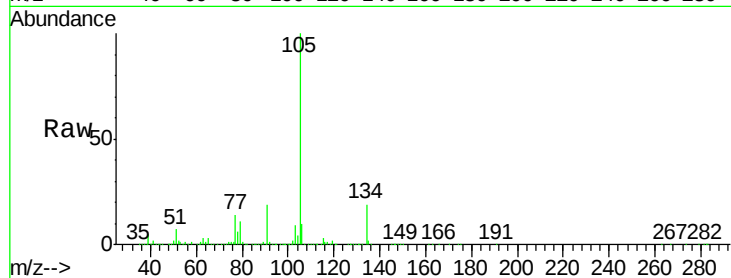
VSTDCCC010

Tgt Ion:105 Resp: 6896227

Ion Ratio Lower Upper

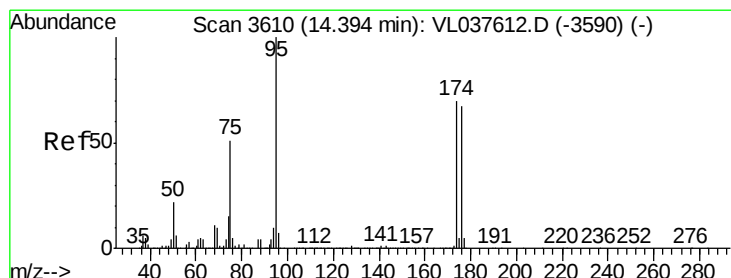
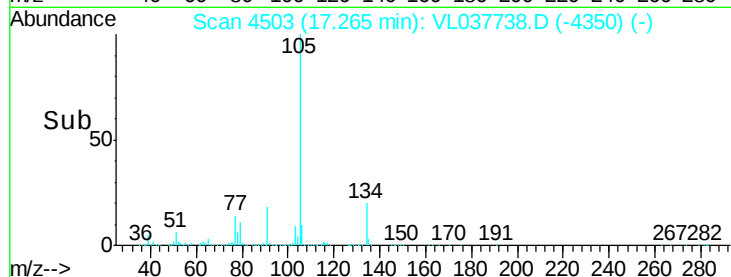
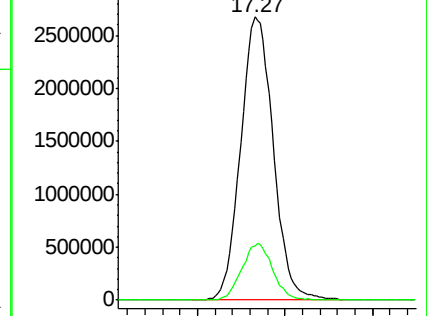
105 100

134 19.1 15.7 23.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.688 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

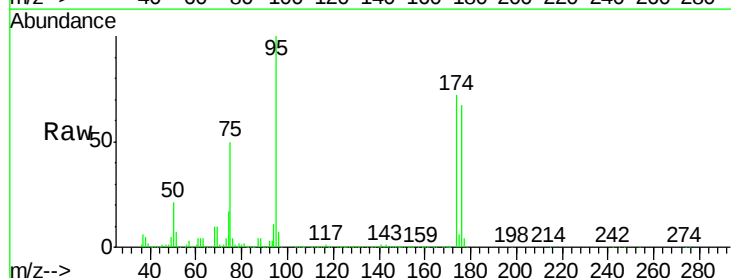
Tgt Ion: 95 Resp: 2620832

Ion Ratio Lower Upper

95 100

174 76.1 56.3 84.5

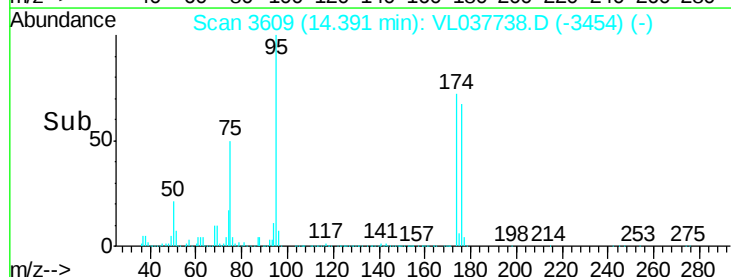
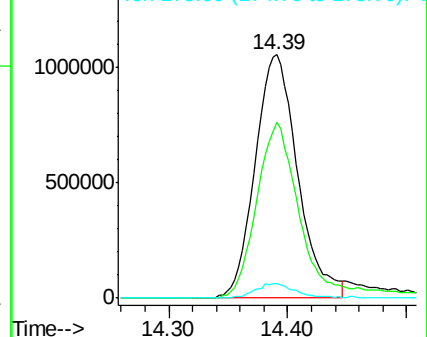
175 6.1 4.4 6.6

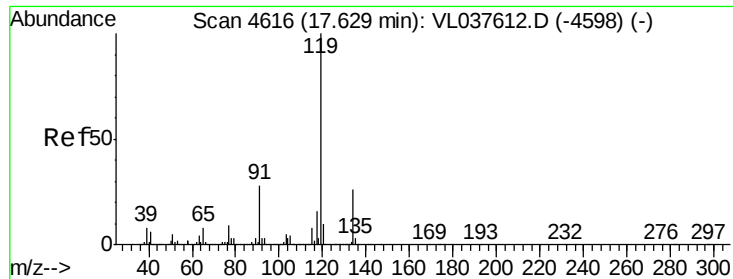


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

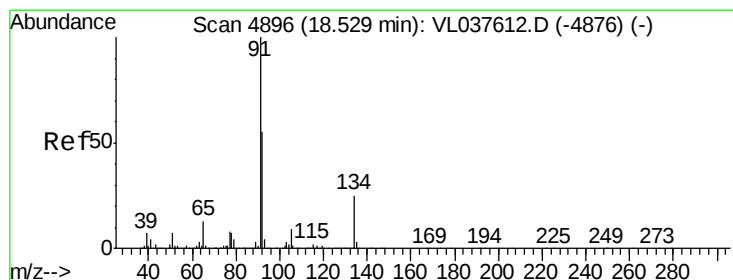
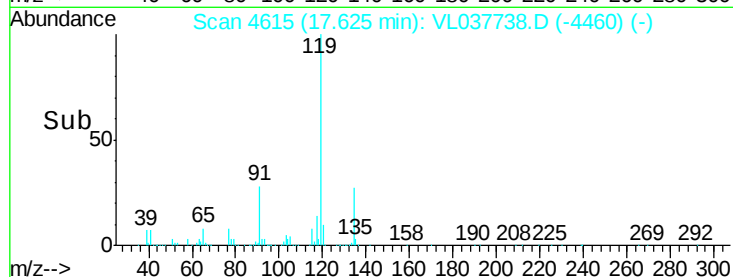
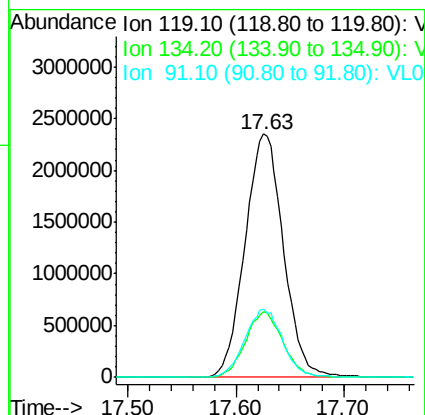
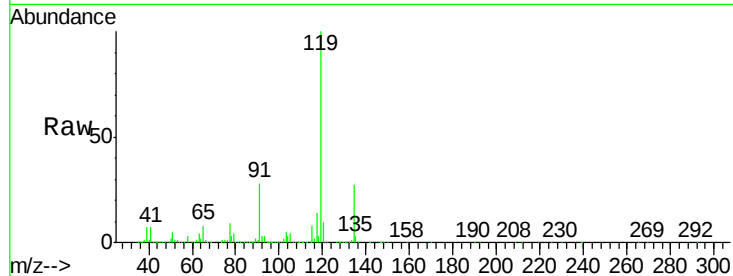




#69
p-Isopropyltoluene
Concen: 7.987 ppbv
RT: 17.63 min Scan# 4615
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

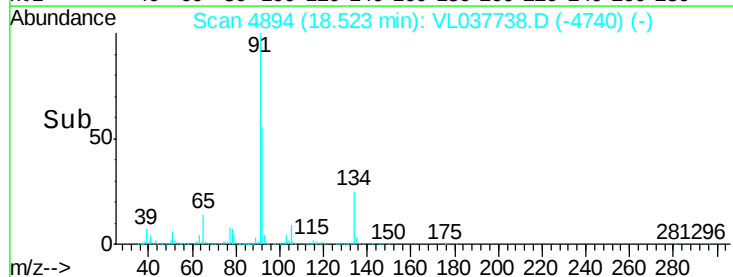
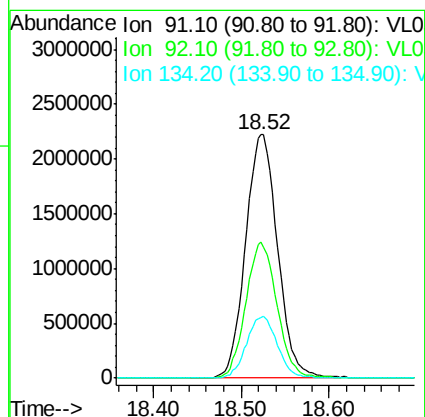
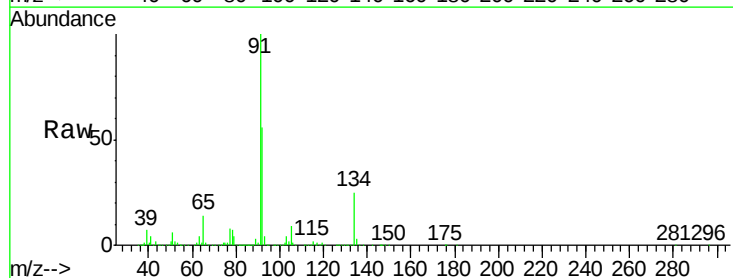
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

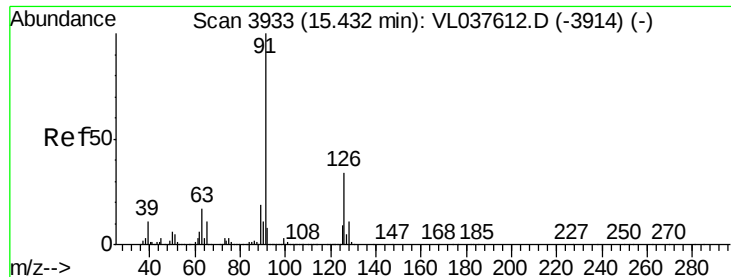
Tgt Ion: 119 Resp: 5791778
Ion Ratio Lower Upper
119 100
134 26.5 21.2 31.8
91 27.7 22.2 33.2



#70
n-Butylbenzene
Concen: 8.214 ppbv
RT: 18.52 min Scan# 4894
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 91 Resp: 5635835
Ion Ratio Lower Upper
91 100
92 54.6 44.0 66.0
134 24.6 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.829 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

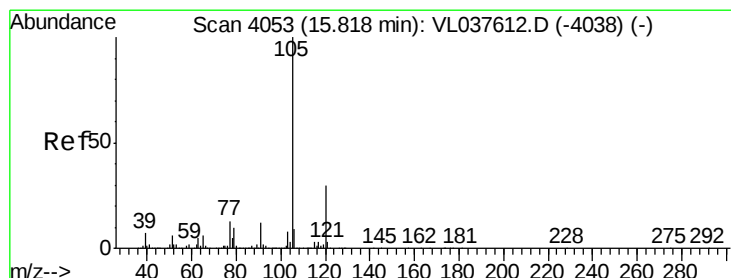
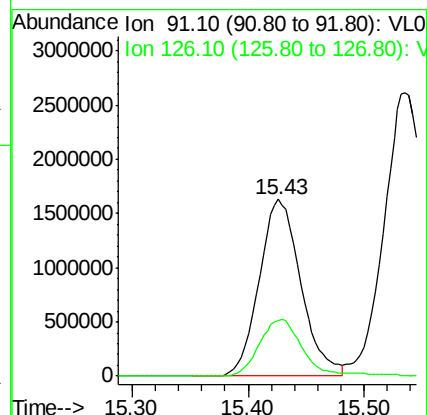
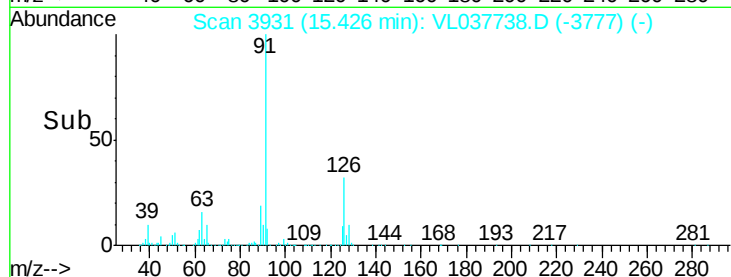
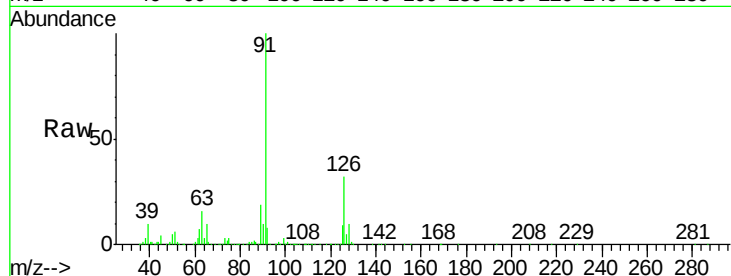
VSTDCCC010

Tgt Ion: 91 Resp: 4070802

Ion Ratio Lower Upper

91 100

126 34.4 13.2 52.8



#72

4-Ethyltoluene

Concen: 7.917 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion: 105 Resp: 4720248

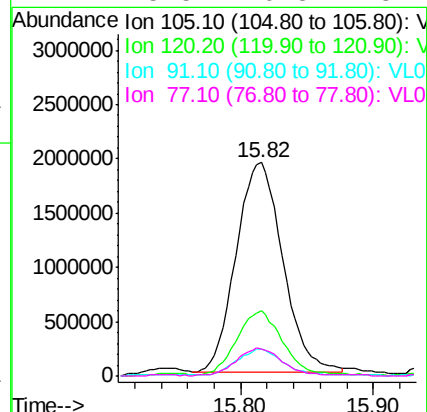
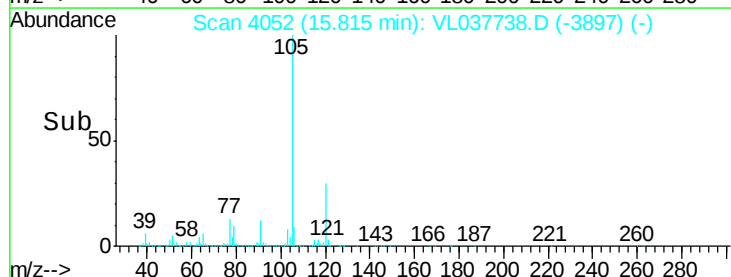
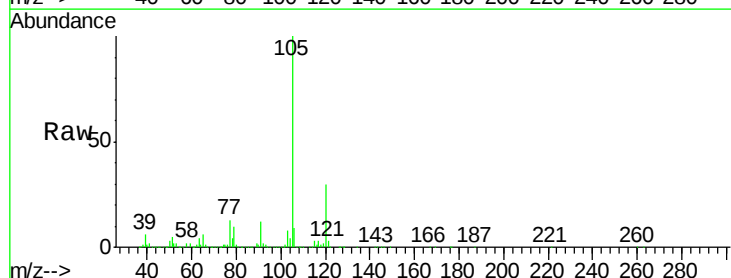
Ion Ratio Lower Upper

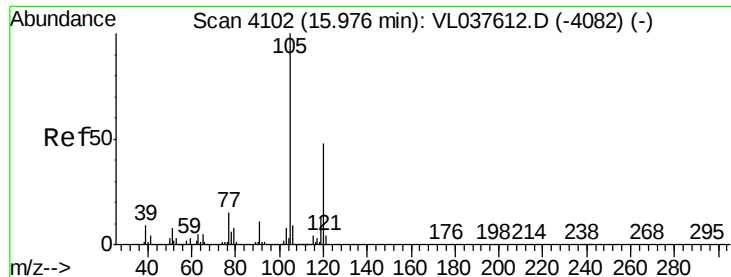
105 100

120 31.6 24.7 37.1

91 13.7 9.9 14.9

77 13.5 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 7.726 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

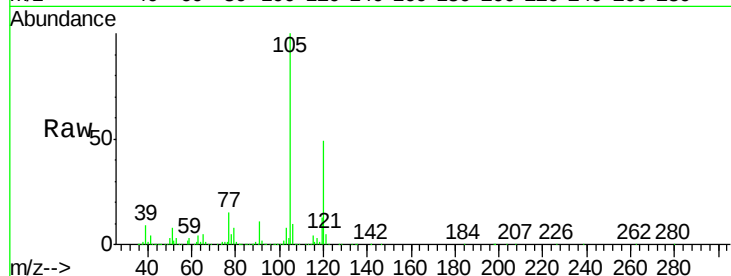
VSTDCCC010

Tgt Ion:105 Resp: 4293658

Ion Ratio Lower Upper

105 100

120 49.3 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

1500000

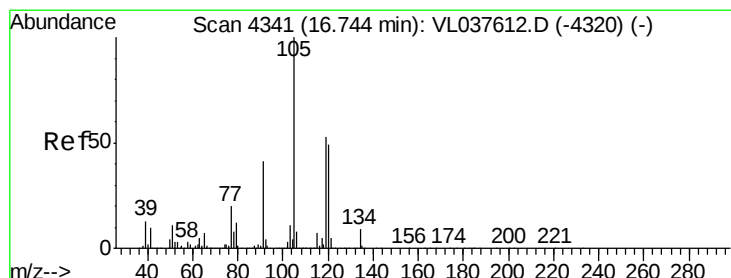
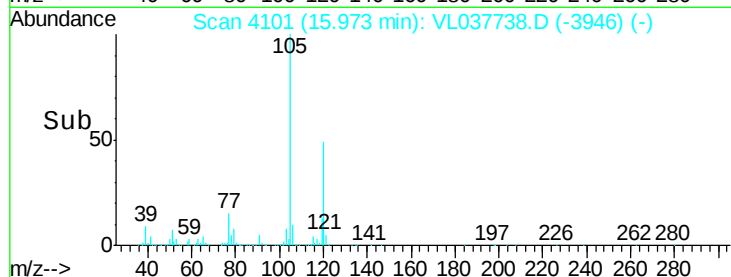
1000000

500000

0

Time-->

15.90 16.00



#74

1,2,4-Trimethylbenzene

Concen: 7.681 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion:105 Resp: 4496110

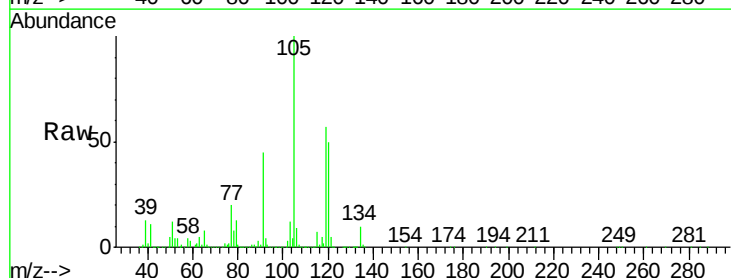
Ion Ratio Lower Upper

105 100

120 49.3 39.4 59.0

91 44.6 33.3 49.9

77 19.5 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

2500000

2000000

1500000

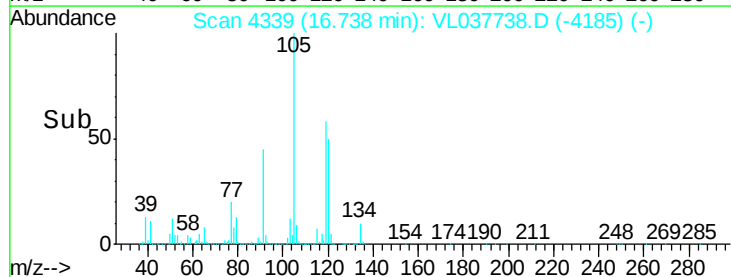
1000000

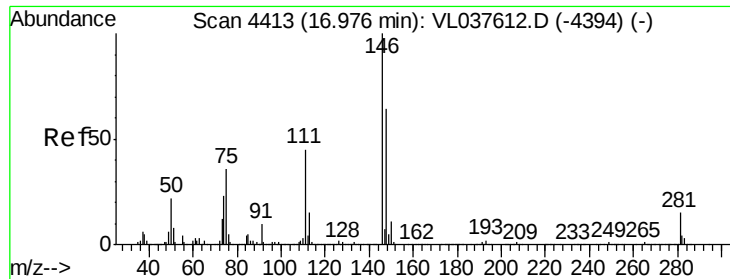
500000

0

Time-->

16.70 16.80

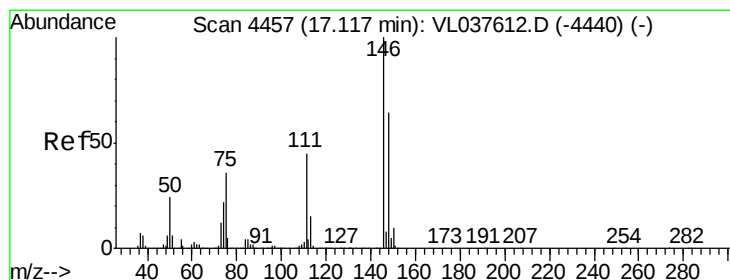
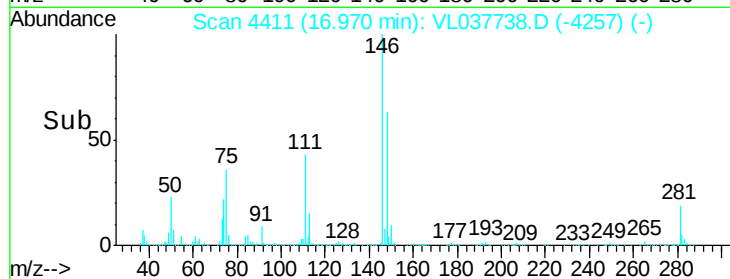
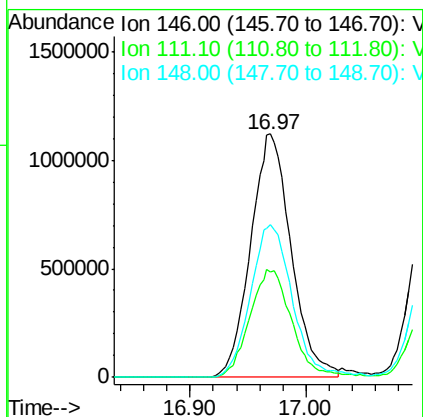
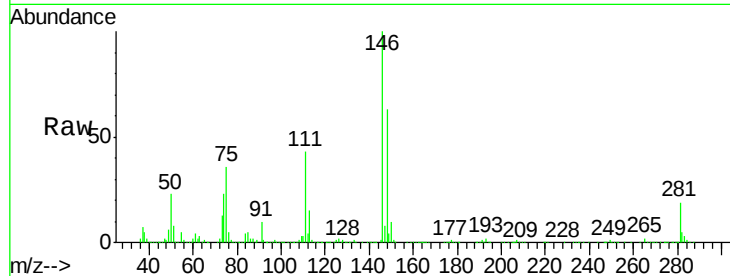




#75
 1,3-Dichlorobenzene
 Concen: 7.491 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

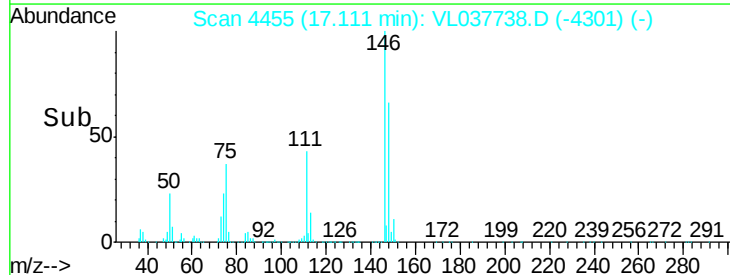
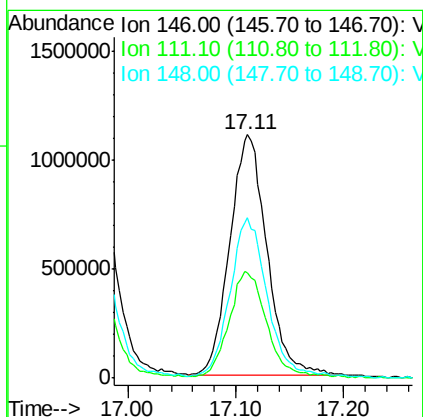
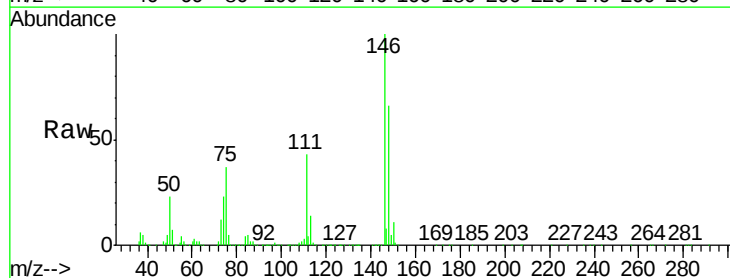
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

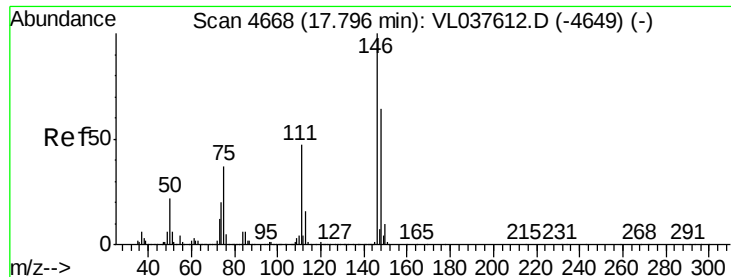
Tgt Ion:146 Resp: 2724192
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.8 68.3
 148 64.8 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.334 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion:146 Resp: 2630579
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.5 67.5
 148 67.6 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 7.728 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

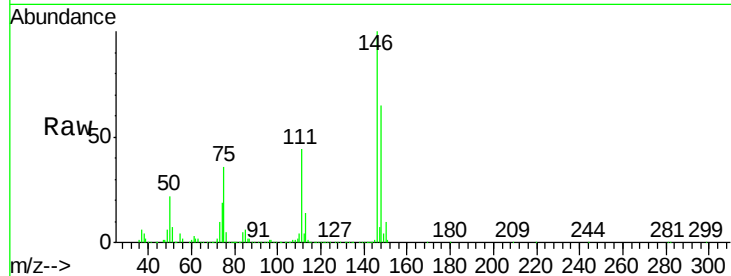
Tgt Ion:146 Resp: 2665537

Ion Ratio Lower Upper

146 100

111 46.3 24.0 72.0

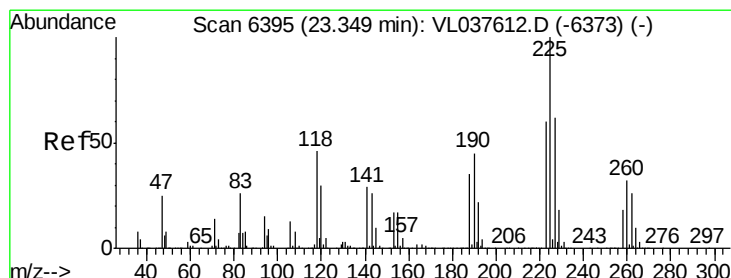
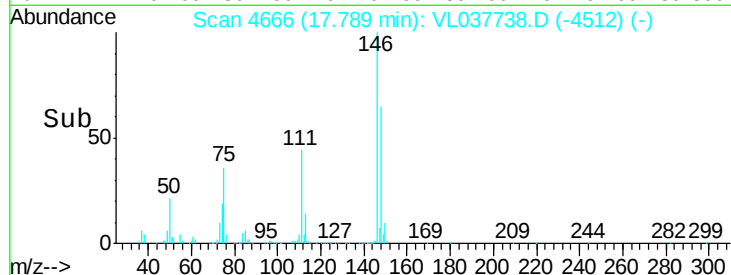
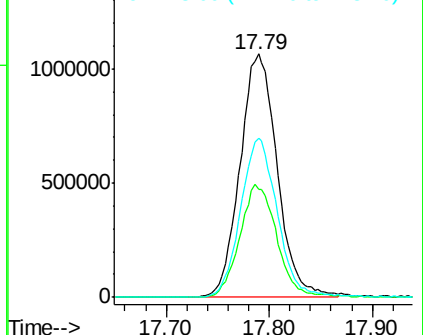
148 64.8 32.8 98.3



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: 6.816 ppbv

RT: 23.35 min Scan# 6394

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

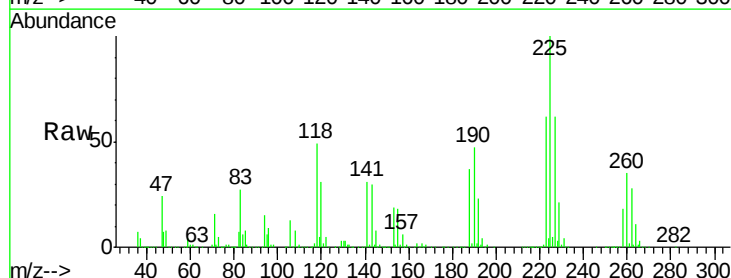
Tgt Ion:225 Resp: 1978879

Ion Ratio Lower Upper

225 100

223 63.6 51.1 76.7

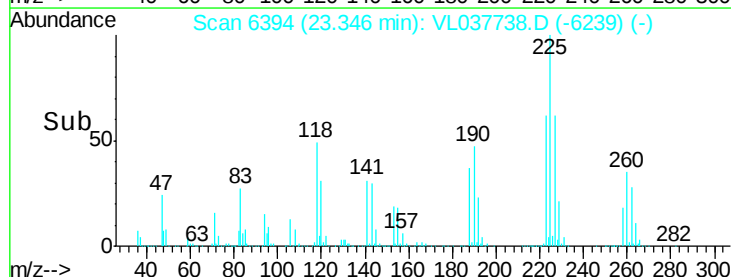
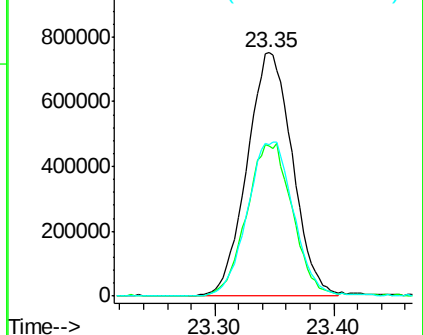
227 64.9 52.2 78.4

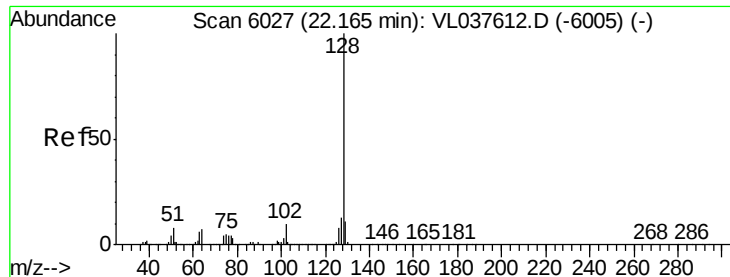


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.394 ppbv

RT: 22.16 min Scan# 6026

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

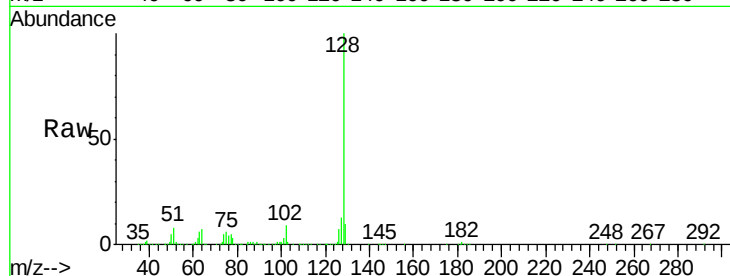
Tgt Ion:128 Resp: 3376244

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

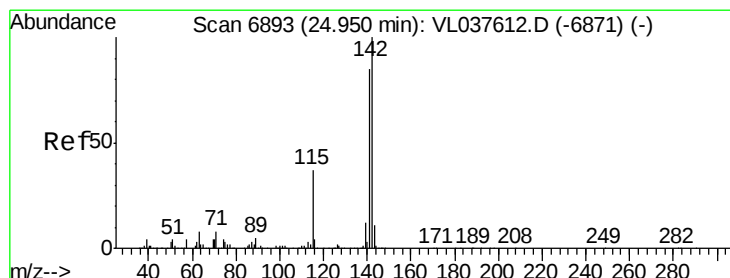
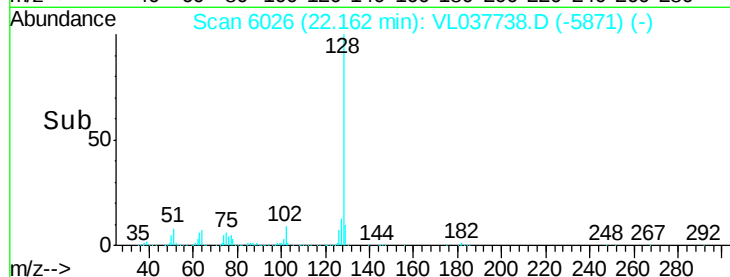
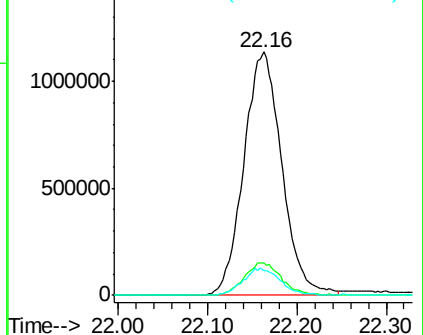
129 10.3 8.6 12.8



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: 11.472 ppbv

RT: 24.95 min Scan# 6892

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

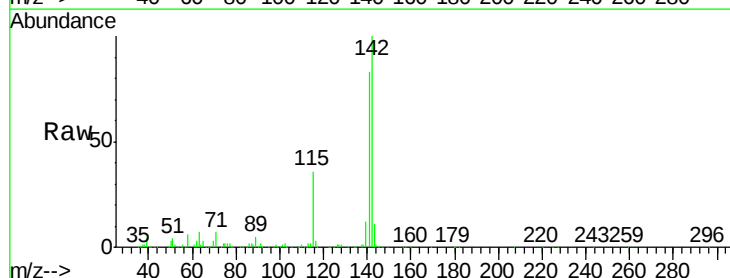
Tgt Ion:142 Resp: 942458

Ion Ratio Lower Upper

142 100

141 87.2 70.9 106.3

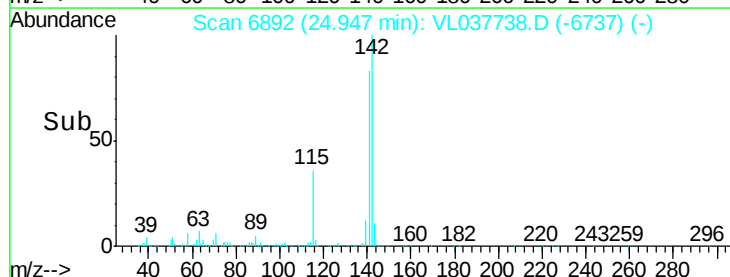
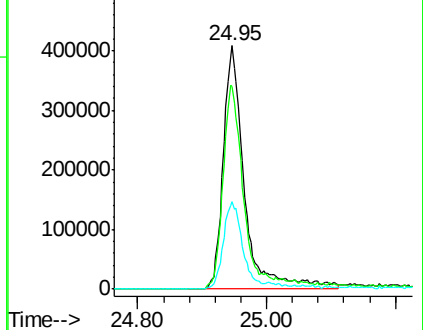
115 34.3 29.6 44.4

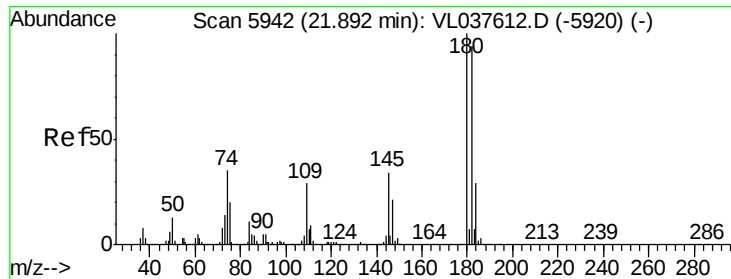


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

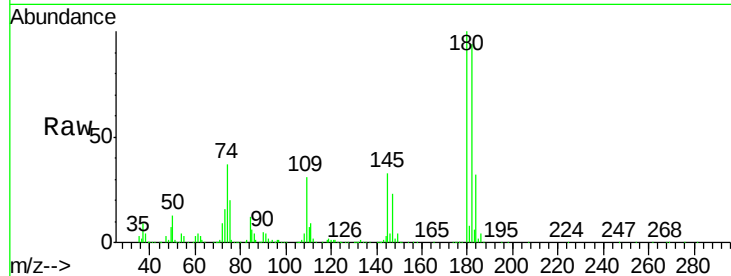




#81
 1,2,4-Trichlorobenzene
 Concen: 8.675 ppbv
 RT: 21.89 min Scan# 5942
 Delta R.T. 0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 2001703
 Ion Ratio Lower Upper
 180 100
 182 97.0 78.9 118.3
 184 31.5 24.7 37.1



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

