

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037740.D
 Acq On : 1 Oct 2021 12:54
 Operator : SY/AP
 Sample : VL1001SBS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Quant Time: Oct 02 01:33:19 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	1448648	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4264969	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4742064	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2645464	7.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1824495	6.960	ppbv	97
3) Chlorodifluoromethane	2.98	51	2498136	9.142	ppbv	99
4) Chloromethane	3.13	50	917029	9.083	ppbv	99
5) Vinyl Chloride	3.25	62	940187	9.915	ppbv	99
6) Bromomethane	3.47	94	473766	8.596	ppbv	95
7) Chloroethane	3.55	64	326194	9.205	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2122163	9.384	ppbv	97
9) Propene	3.00	41	917437	9.518	ppbv	95
10) Heptane	8.10	43	2258348	10.041	ppbv	100
11) Trichlorofluoromethane	3.94	101	1941886	9.227	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1464436	9.427	ppbv	98
13) Ethanol	3.61	45	39121	4.149	ppbv #	14
14) Bromoethene	3.73	108	660856	9.346	ppbv	98
15) Acetone	3.84	43	1114000	7.401	ppbv	94
16) 1,3-Butadiene	3.32	39	901969	9.590	ppbv	100
17) tert-Butyl alcohol	4.28	59	1241329	9.726	ppbv	100
18) 1,1-Dichloroethene	4.28	96	659072	9.107	ppbv	98
19) Isopropyl Alcohol	3.95	45	752960	9.194	ppbv #	96
20) Methylene Chloride	4.33	84	580734	8.082	ppbv	98
21) Allyl Chloride	4.40	41	1061074	9.436	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	676362	9.289	ppbv	96
23) Vinyl Acetate	5.06	43	1684064	8.086	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1348237	9.036	ppbv	98
25) Ethyl Acetate	5.66	43	3556302	9.756	ppbv	99
26) Hexane	5.67	57	1691220	9.766	ppbv	100
27) Carbon Disulfide	4.54	76	1635862	10.326	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1387171	9.095	ppbv	99
29) Chloroform	5.74	83	2378171	9.405	ppbv	99
30) Cyclohexane	7.11	84	1413325	9.543	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1564540	9.952	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2271846	9.650	ppbv	99
34) 2-Butanone	5.23	43	1545799	8.919	ppbv	99
35) Carbon Tetrachloride	7.00	117	2382922	9.877	ppbv	98
36) Benzene	6.87	78	3480194	9.786	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1655422	9.464	ppbv	100
38) Trichloroethene	7.82	130	1376626	9.266	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1334285	9.795	ppbv	96
40) 1,4-Dioxane	7.82	88	323840	9.774	ppbv #	1
41) Tetrahydrofuran	6.03	42	843437	10.352	ppbv	99
42) Bromodichloromethane	7.77	83	2498767	9.967	ppbv	99
43) Methyl Methacrylate	8.00	69	1255426	10.611	ppbv	99

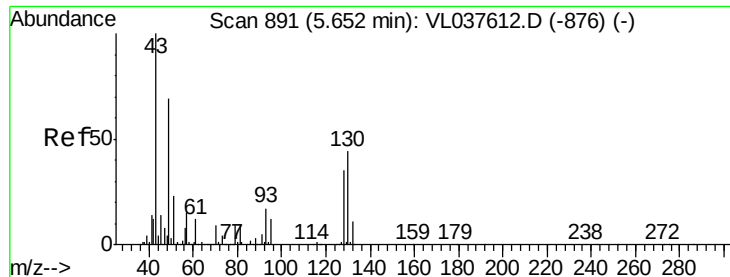
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Quant Time: Oct 02 01:33:19 2021
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5772206	9.654	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	971985	10.459	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1269865	10.116	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1412368	9.373	ppbv	99
48) Dibromochloromethane	10.28	129	2226213	10.590	ppbv	99
49) Bromoform	13.01	173	1775919	10.556	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2233756	10.154	ppbv	98
51) 2-Hexanone	10.11	43	1077250	11.099	ppbv	98
52) Tetrachloroethene	11.20	164	1268826	9.293	ppbv	96
53) Toluene	9.78	91	4019624	10.168	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1985084	9.621	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.10	131	1521215	7.734	ppbv	97
57) Chlorobenzene	12.12	112	2886350	7.321	ppbv	99
58) Ethyl Benzene	12.69	91	5064606	8.046	ppbv	98
59) m/p-Xylene	12.97	91	4291916	7.824	ppbv #	30
60) o-Xylene	13.67	91	3919119	7.506	ppbv	98
61) Styrene	13.50	104	2194933	8.525	ppbv	97
62) Isopropylbenzene	14.64	105	5560383	7.623	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2868835	7.021	ppbv	99
64) n-propylbenzene	15.54	120	1480386	7.865	ppbv	86
65) tert-Butylbenzene	16.72	119	4913244	7.471	ppbv	99
66) Benzyl Chloride	16.96	91	265437	7.386	ppbv	96
67) sec-Butylbenzene	17.27	105	6834984	7.661	ppbv	99
69) p-Isopropyltoluene	17.63	119	5662584	7.768	ppbv	99
70) n-Butylbenzene	18.52	91	5549705	8.047	ppbv	99
71) 2-Chlorotoluene	15.43	91	4087820	7.820	ppbv	99
72) 4-Ethyltoluene	15.81	105	4719974	7.875	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4268203	7.640	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4466144	7.590	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2702730	7.393	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2594952	7.197	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2626794	7.575	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037740.D

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Instrument :

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VL1001ABS01

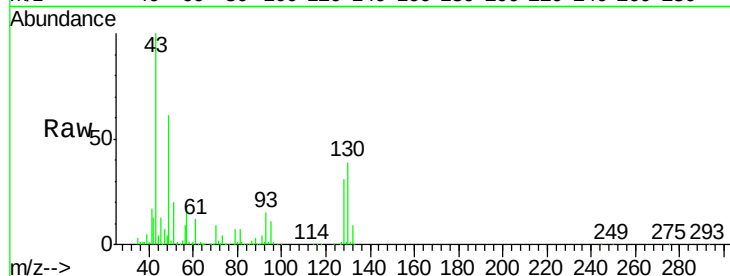
Tgt Ion: 49 Resp: 1448648

Ion Ratio Lower Upper

49 100

128 54.5 27.9 83.6

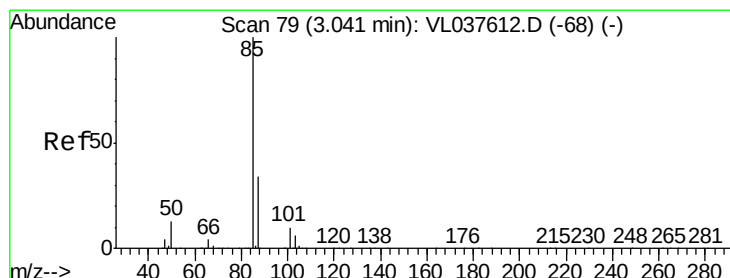
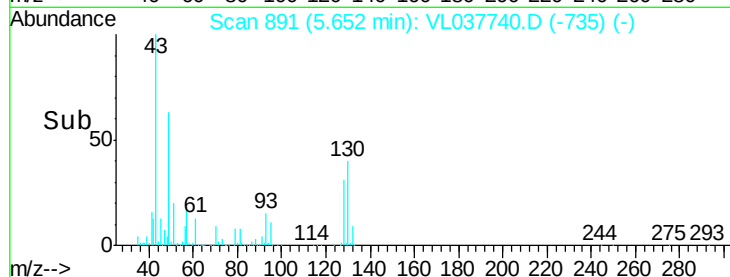
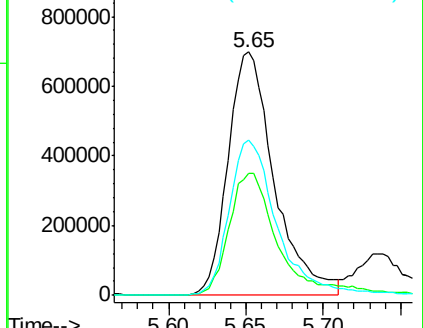
130 66.6 33.9 101.7



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: 6.960 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL037740.D

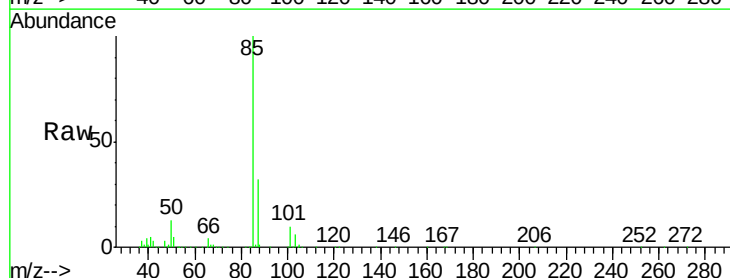
Acq: 1 Oct 2021 12:54

Tgt Ion: 85 Resp: 1824495

Ion Ratio Lower Upper

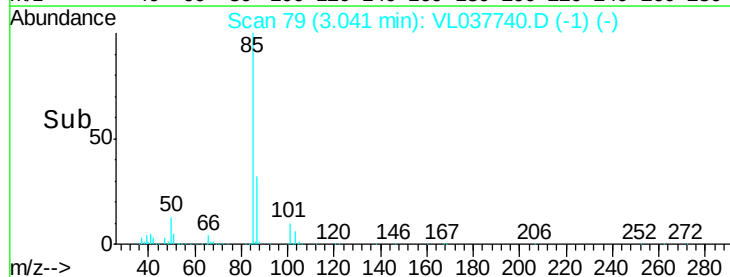
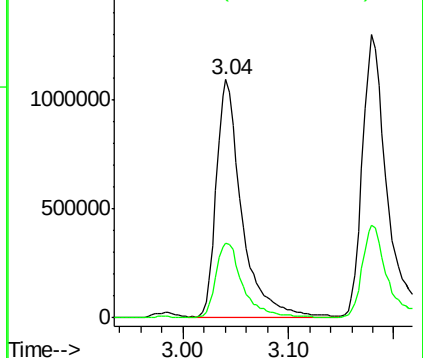
85 100

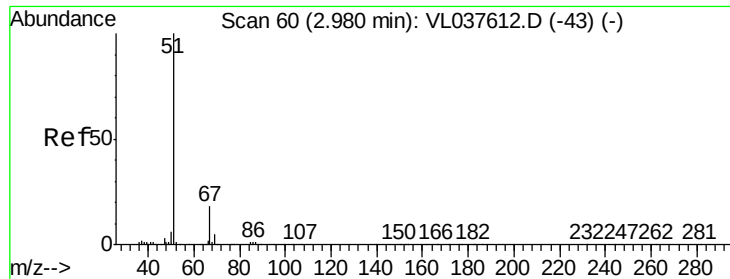
87 31.6 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.142 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

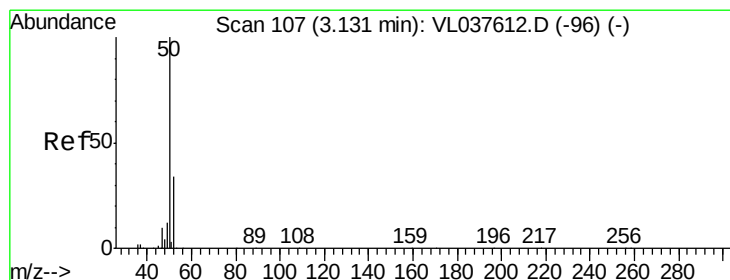
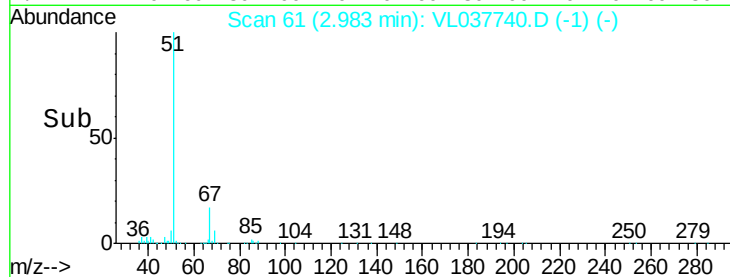
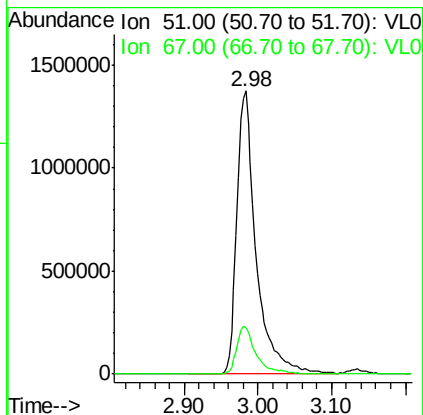
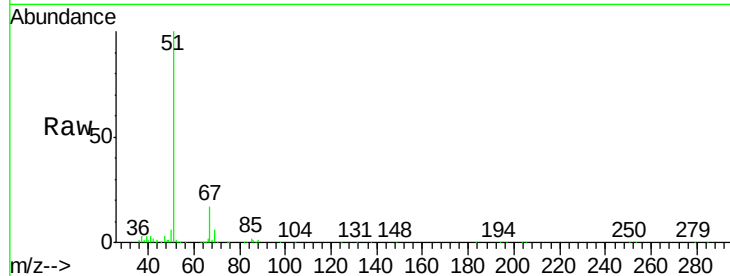
VL1001ABS01

Tgt Ion: 51 Resp: 2498136

Ion Ratio Lower Upper

51 100

67 17.2 14.0 21.0



#4

Chloromethane

Concen: 9.083 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL037740.D

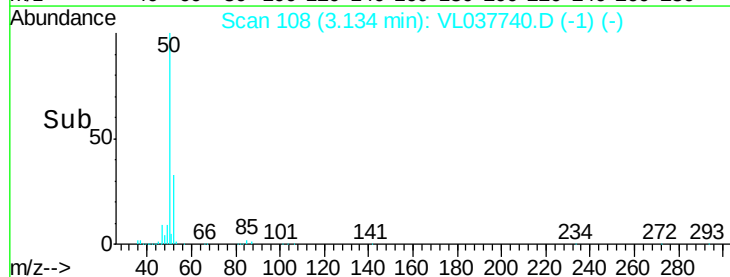
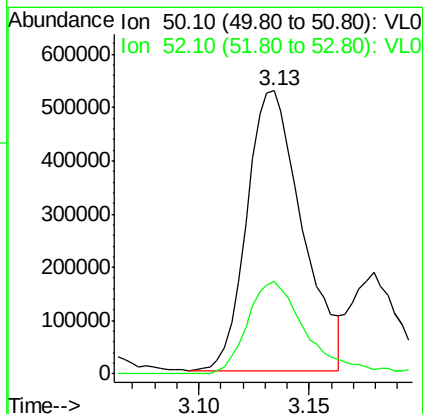
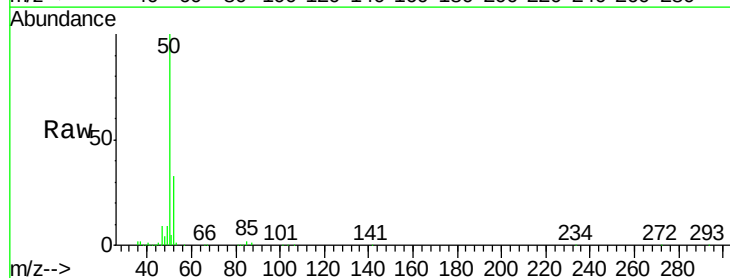
Acq: 1 Oct 2021 12:54

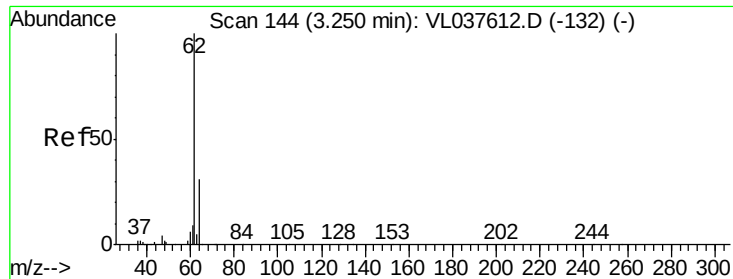
Tgt Ion: 50 Resp: 917029

Ion Ratio Lower Upper

50 100

52 33.1 27.1 40.7





#5

Vinyl Chloride

Concen: 9.915 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

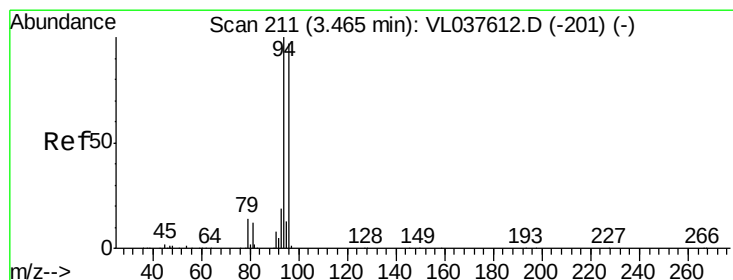
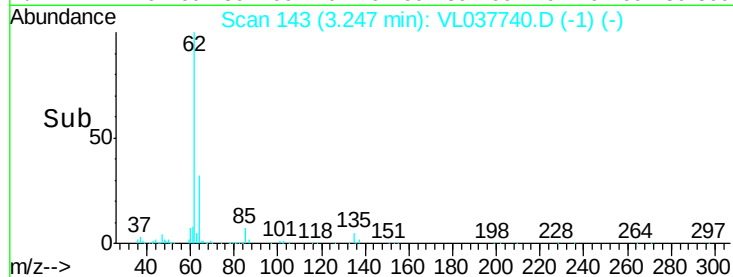
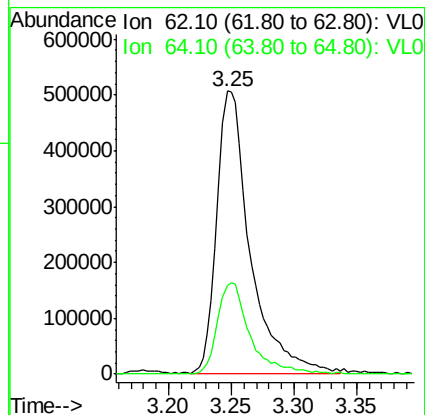
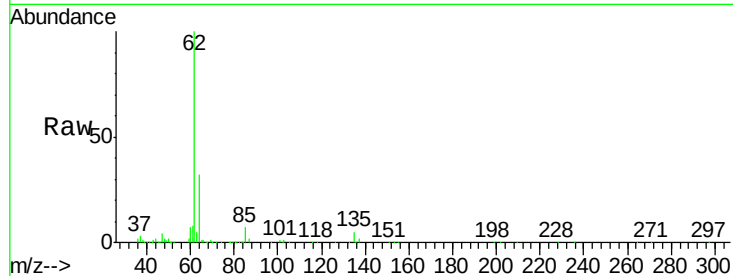
VL1001ABS01

Tgt Ion: 62 Resp: 940187

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3



#6

Bromomethane

Concen: 8.596 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL037740.D

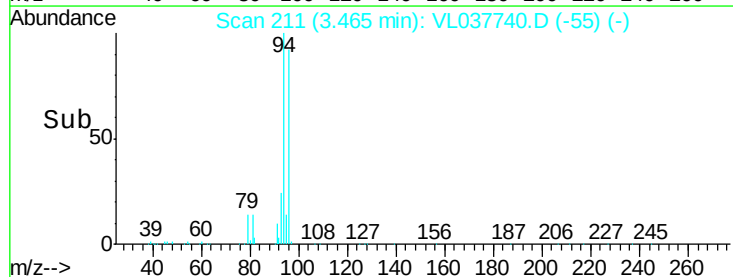
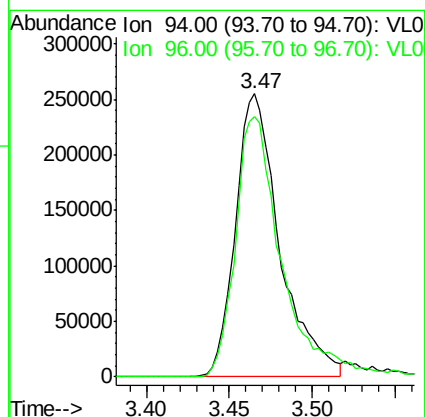
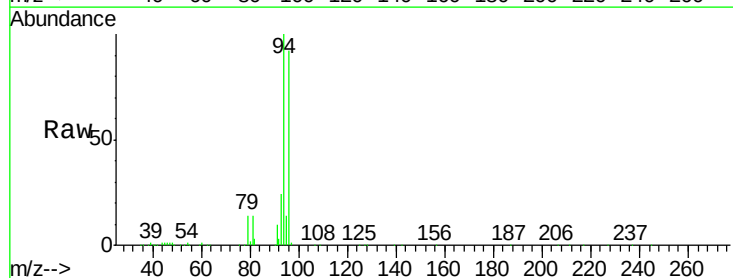
Acq: 1 Oct 2021 12:54

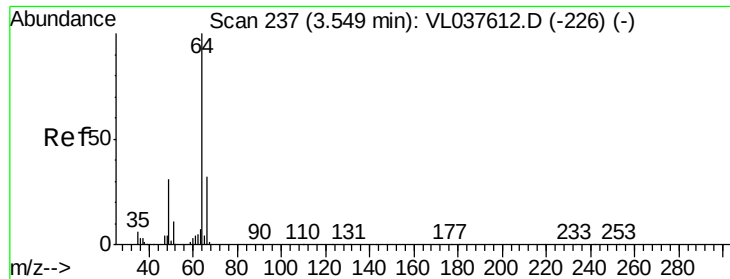
Tgt Ion: 94 Resp: 473766

Ion Ratio Lower Upper

94 100

96 92.0 77.3 115.9





#7

Chloroethane

Concen: 9.205 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

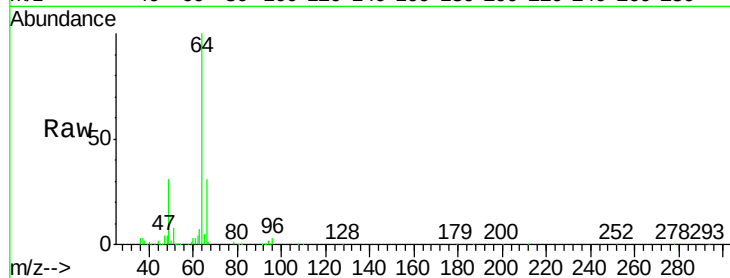
VL1001ABS01

Tgt Ion: 64 Resp: 326194

Ion Ratio Lower Upper

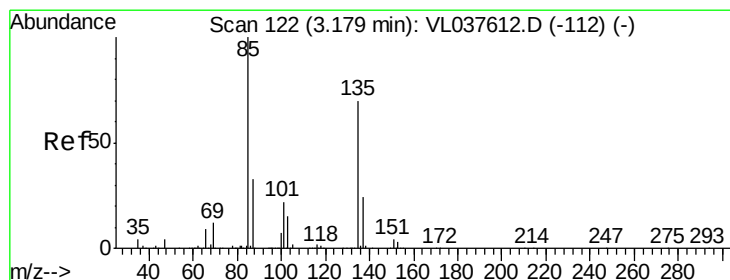
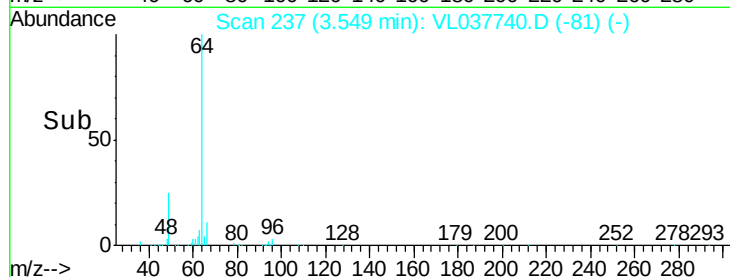
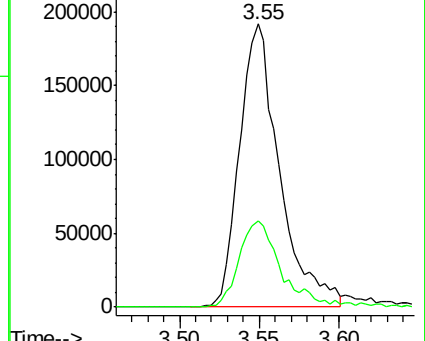
64 100

66 30.6 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: 9.384 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037740.D

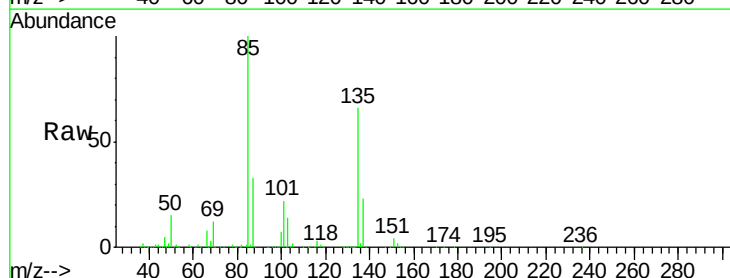
Acq: 1 Oct 2021 12:54

Tgt Ion: 85 Resp: 2122163

Ion Ratio Lower Upper

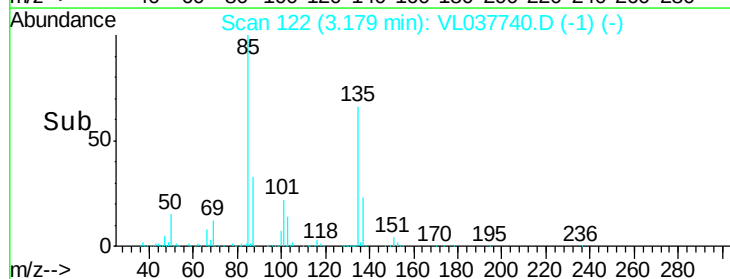
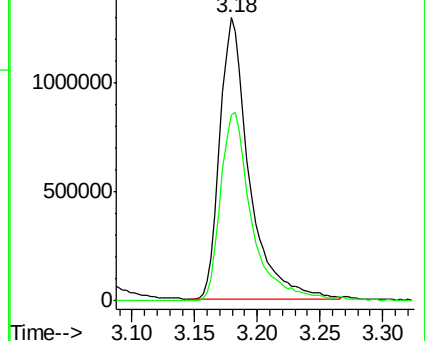
85 100

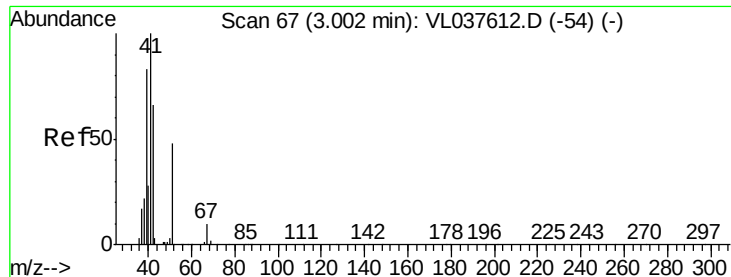
135 71.9 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.518 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

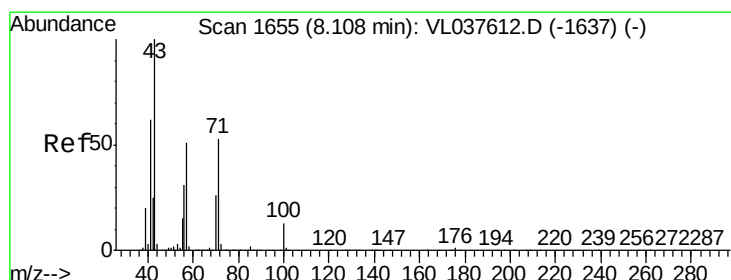
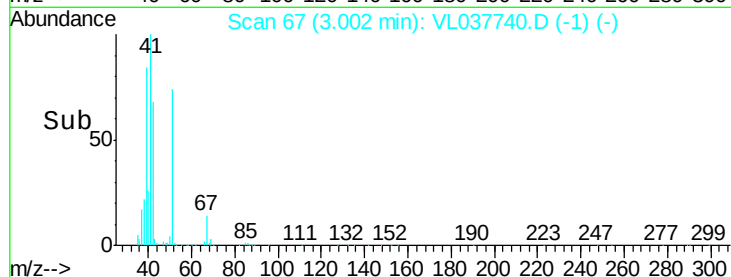
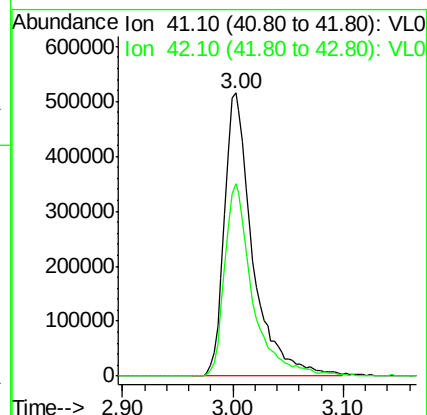
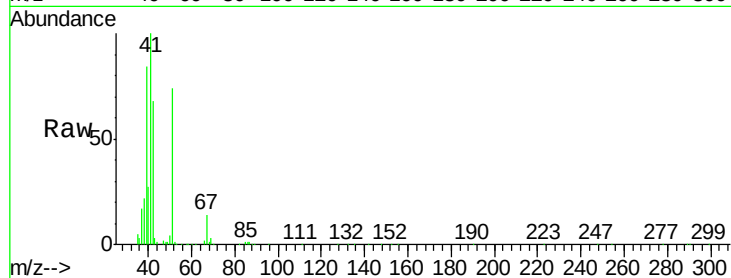
VL1001ABS01

Tgt Ion: 41 Resp: 917437

Ion Ratio Lower Upper

41 100

42 67.3 57.2 85.8



#10

Heptane

Concen: 10.041 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037740.D

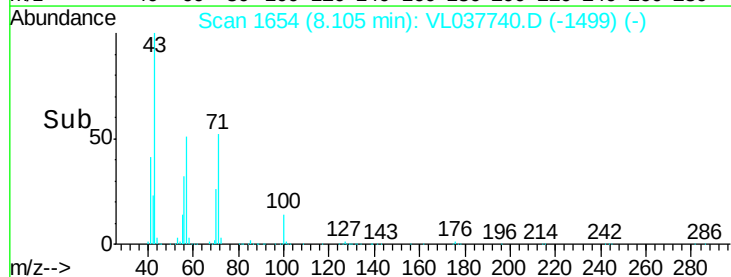
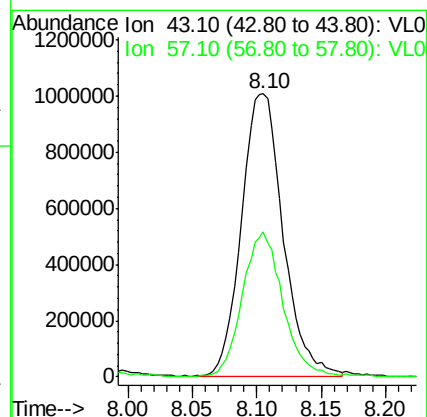
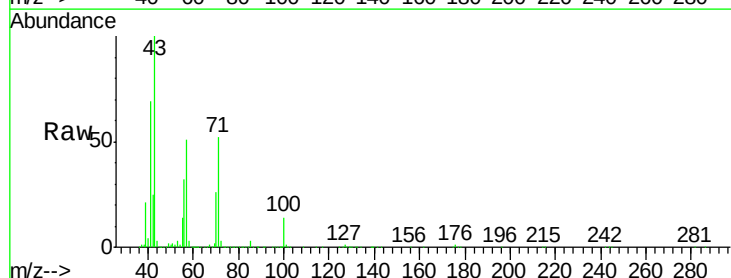
Acq: 1 Oct 2021 12:54

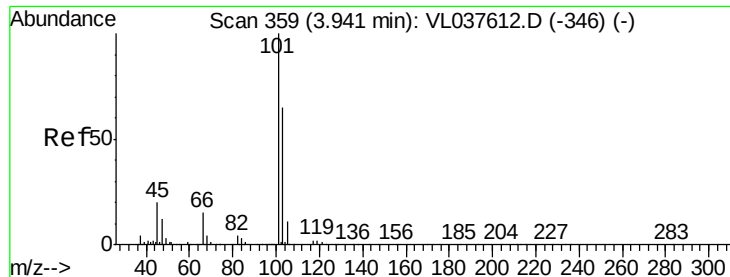
Tgt Ion: 43 Resp: 2258348

Ion Ratio Lower Upper

43 100

57 50.0 40.1 60.1

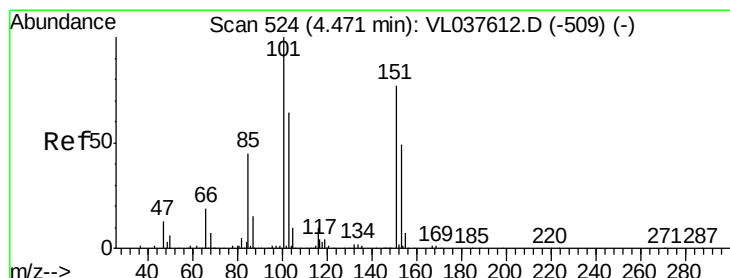
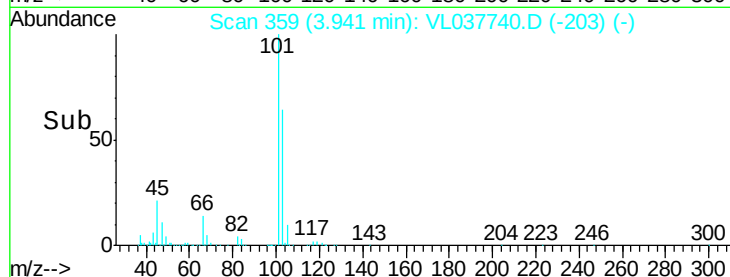
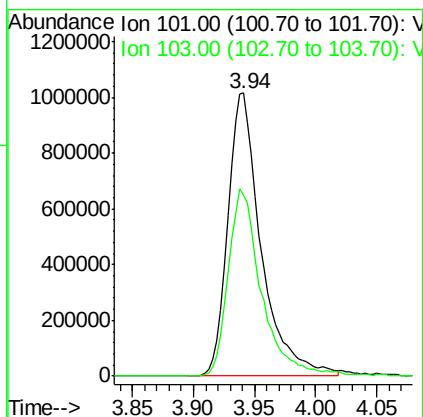
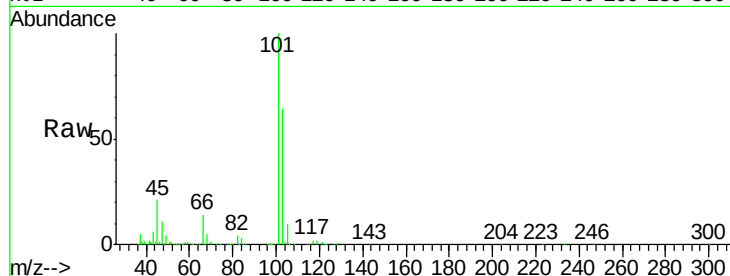




#11
 Trichlorofluoromethane
 Concen: 9.227 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

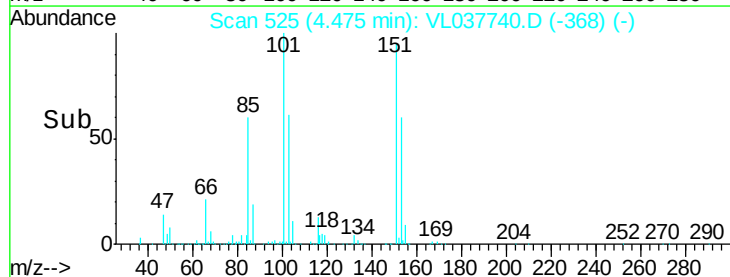
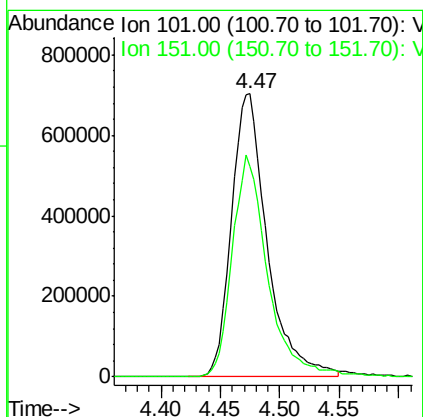
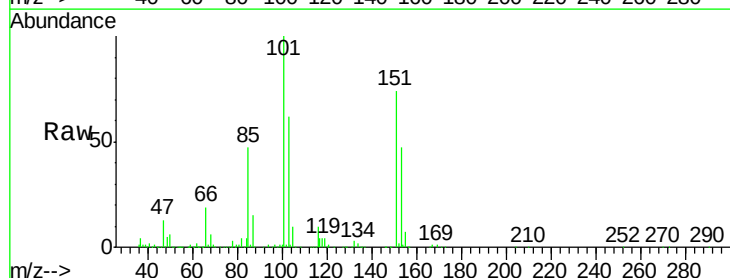
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

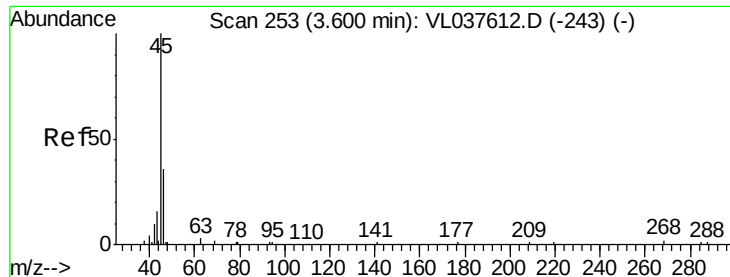
Tgt Ion:101 Resp: 1941886
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.427 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion:101 Resp: 1464436
 Ion Ratio Lower Upper
 101 100
 151 77.9 63.5 95.3





#13

Ethanol

Concen: 4.149 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

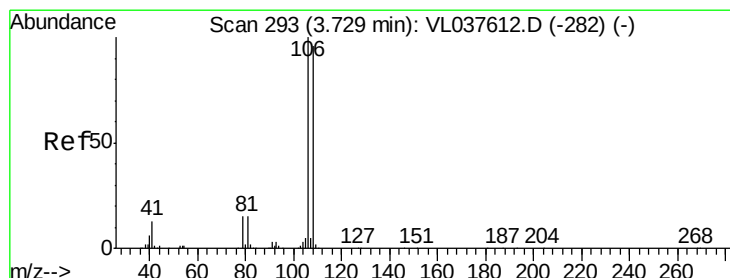
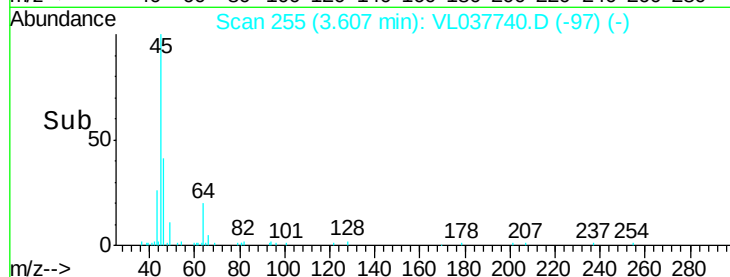
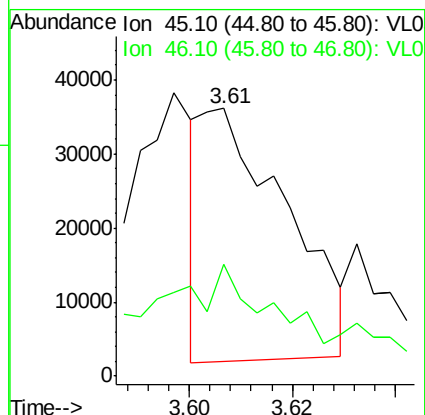
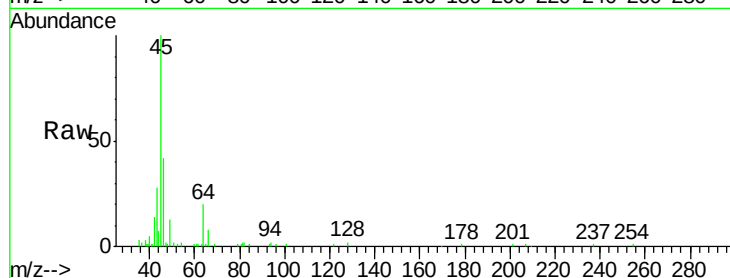
VL1001ABS01

Tgt Ion: 45 Resp: 39121

Ion Ratio Lower Upper

45 100

46 97.9 17.2 68.8#



#14

Bromoethene

Concen: 9.346 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

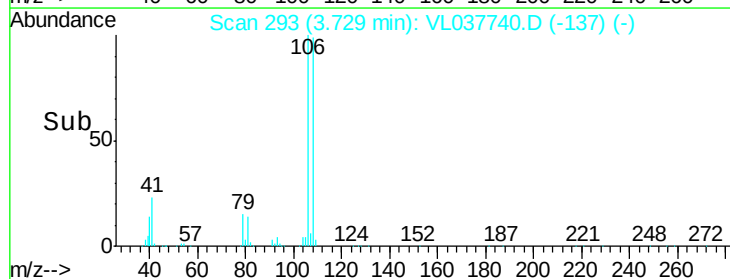
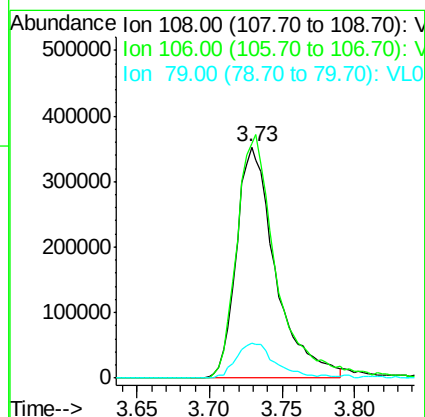
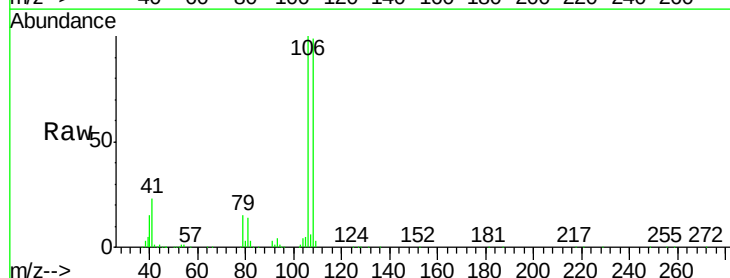
Tgt Ion: 108 Resp: 660856

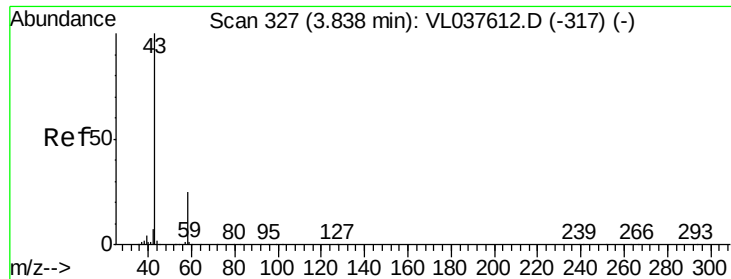
Ion Ratio Lower Upper

108 100

106 108.4 88.2 132.4

79 16.3 12.8 19.2

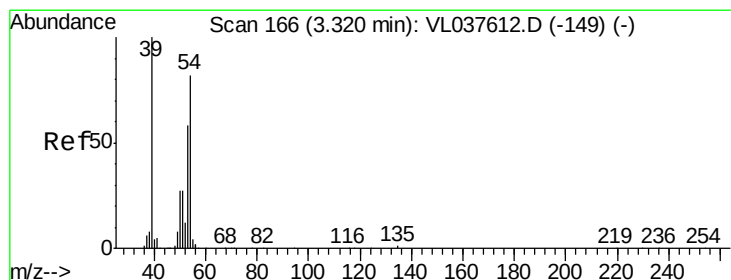
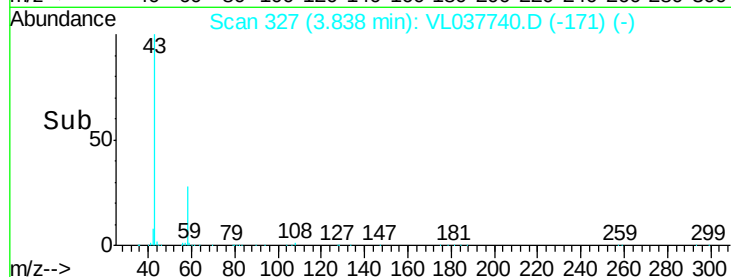
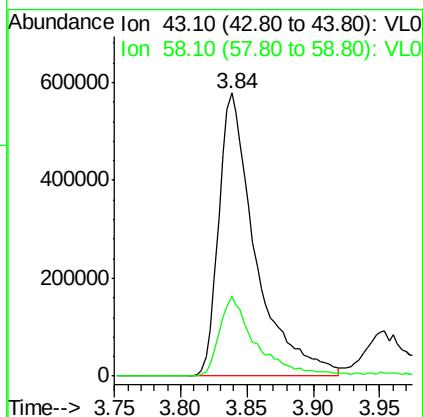
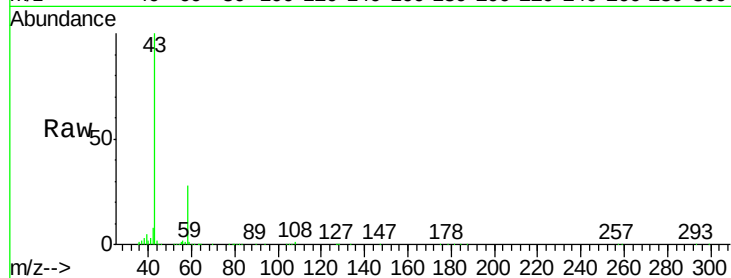




#15
Acetone
Concen: 7.401 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

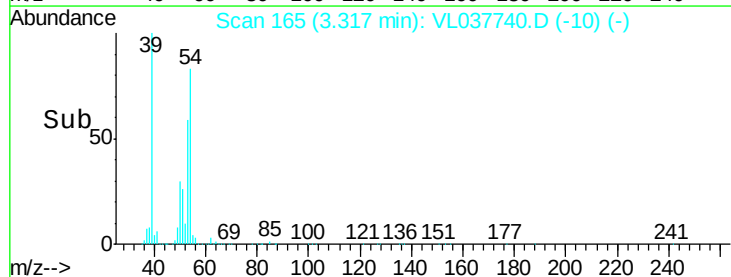
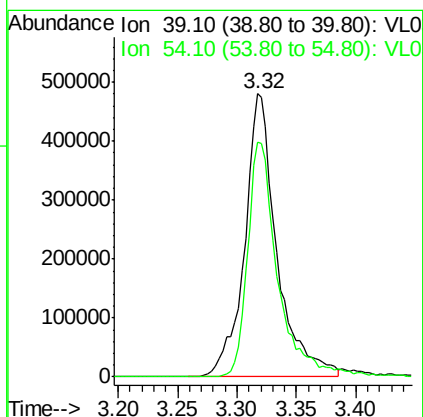
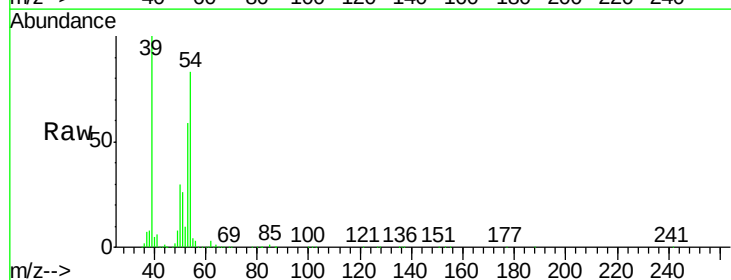
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

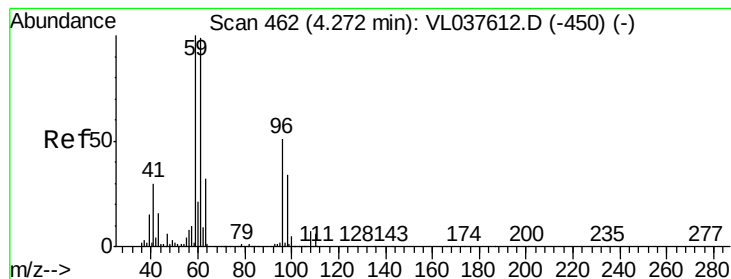
Tgt Ion: 43 Resp: 1114000
Ion Ratio Lower Upper
43 100
58 28.0 24.9 37.3



#16
1,3-Butadiene
Concen: 9.590 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 39 Resp: 901969
Ion Ratio Lower Upper
39 100
54 78.5 62.6 93.8



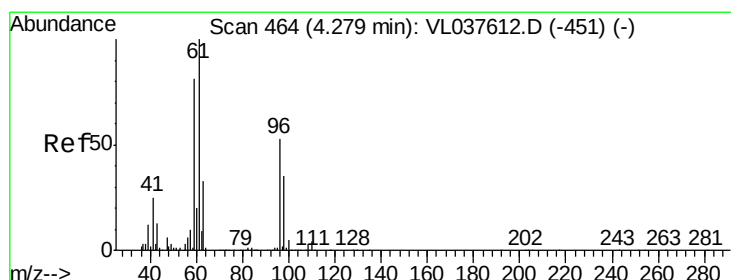
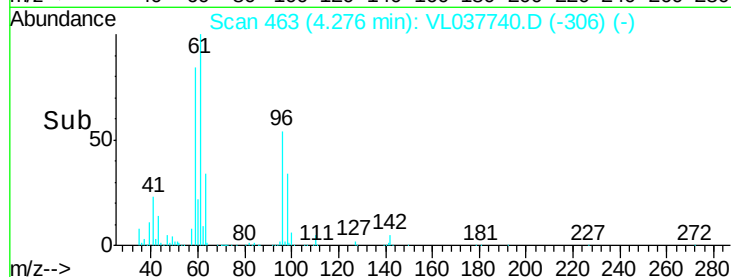
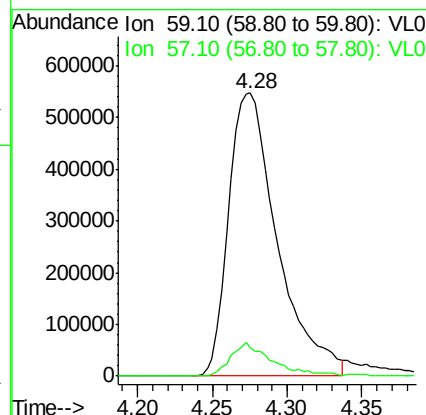
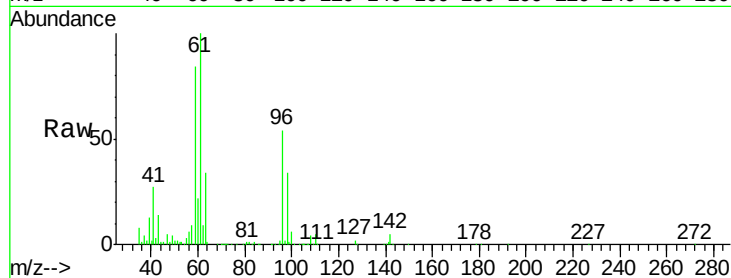


#17

tert-Butyl alcohol
 Concen: 9.726 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

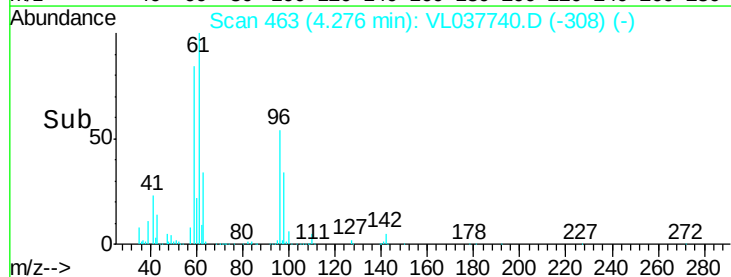
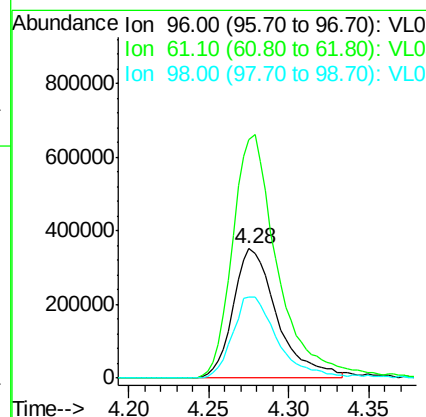
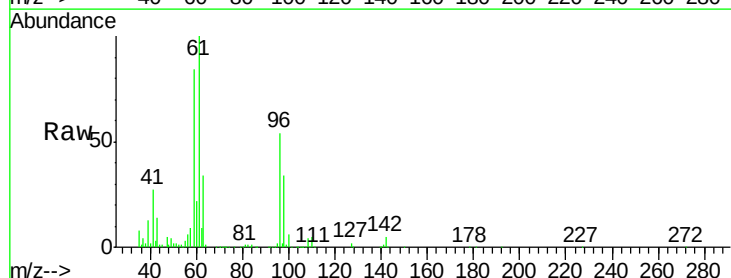
Tgt Ion: 59 Resp: 1241329
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

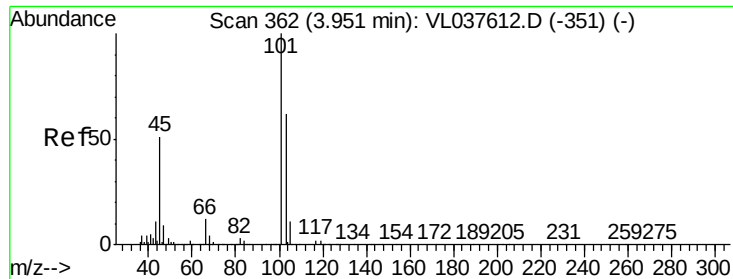


#18

1,1-Dichloroethene
 Concen: 9.107 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion: 96 Resp: 659072
 Ion Ratio Lower Upper
 96 100
 61 184.6 150.4 225.6
 98 62.9 52.1 78.1





#19

Isopropyl Alcohol

Concen: 9.194 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

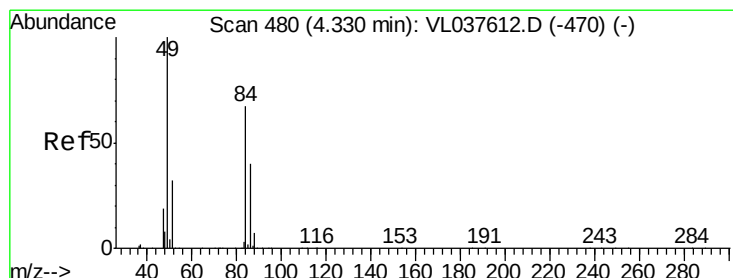
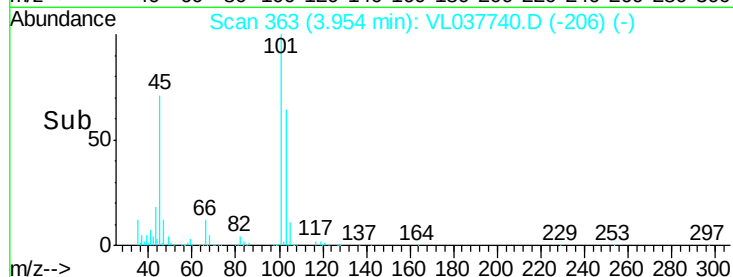
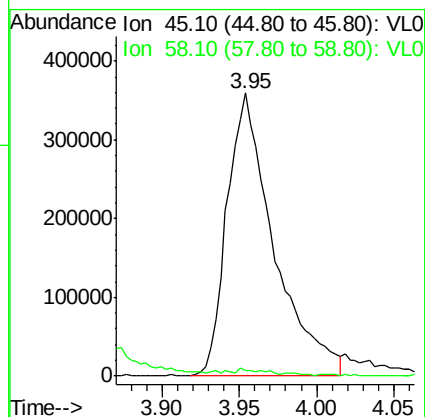
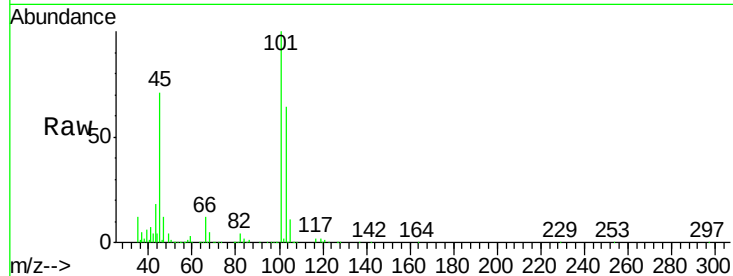
VL1001ABS01

Tgt Ion: 45 Resp: 752960

Ion Ratio Lower Upper

45 100

58 2.2 2.9 4.3#



#20

Methylene Chloride

Concen: 8.082 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion: 84 Resp: 580734

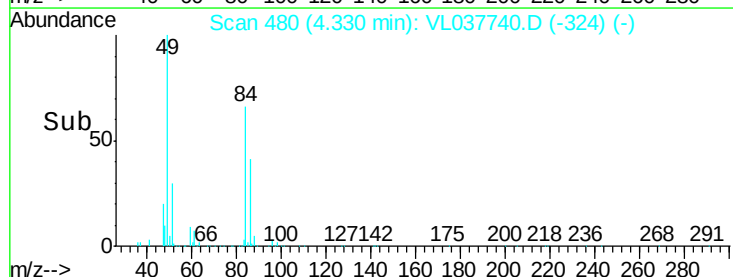
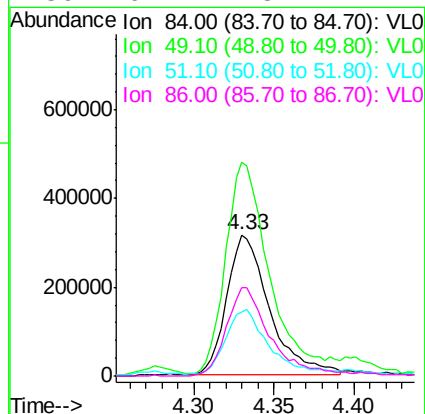
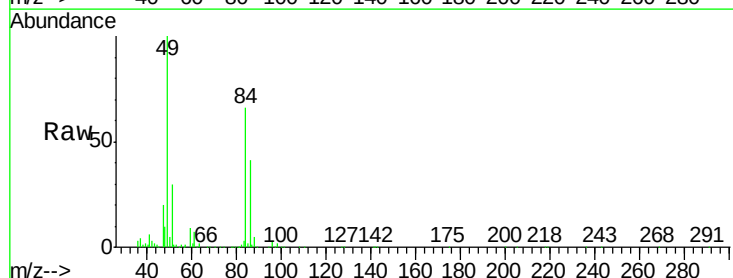
Ion Ratio Lower Upper

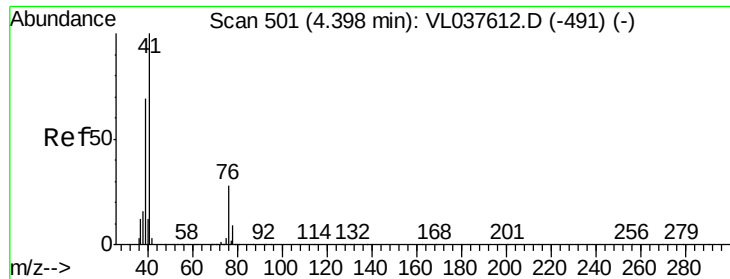
84 100

49 150.1 120.0 180.0

51 43.7 38.0 57.0

86 62.1 48.2 72.2

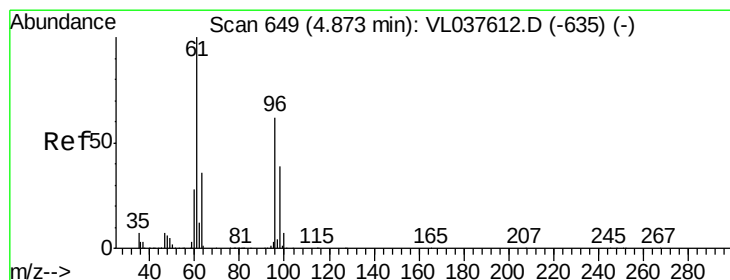
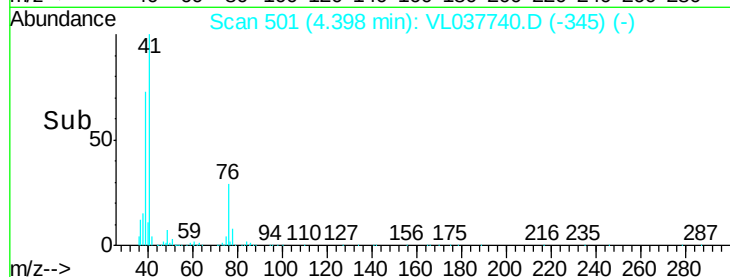
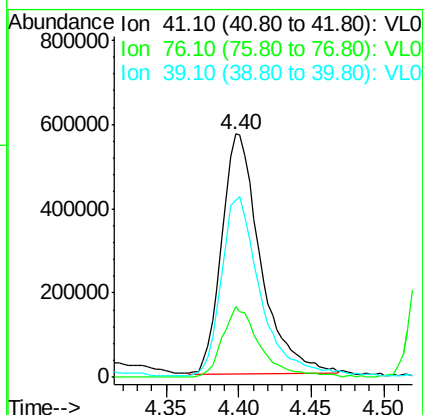
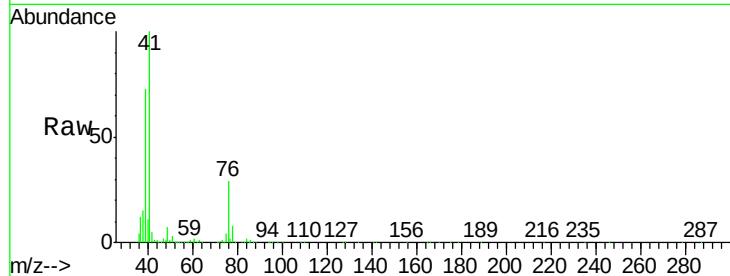




#21
 Allyl Chloride
 Concen: 9.436 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

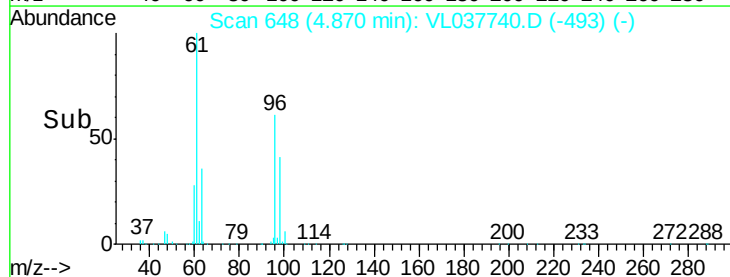
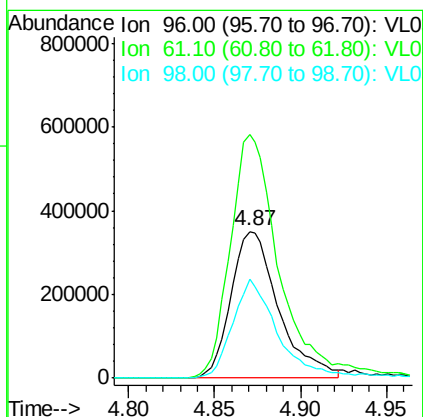
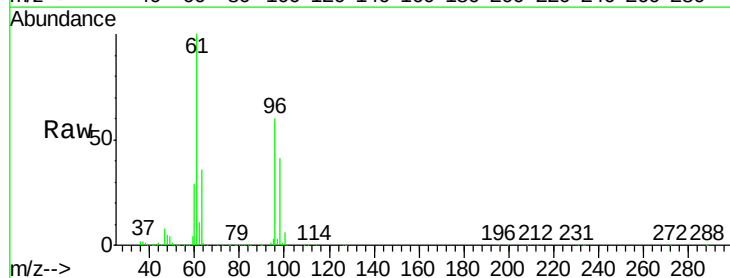
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

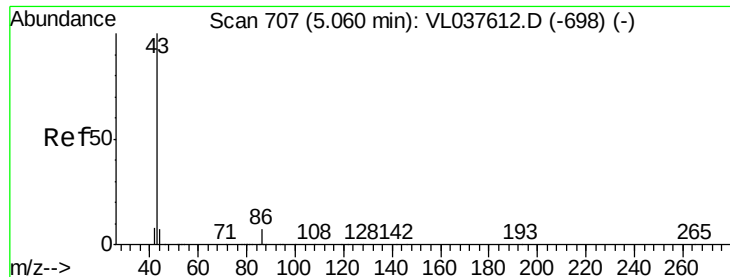
Tgt Ion: 41 Resp: 1061074
 Ion Ratio Lower Upper
 41 100
 76 28.9 23.1 34.7
 39 77.8 61.0 91.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.289 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion: 96 Resp: 676362
 Ion Ratio Lower Upper
 96 100
 61 165.3 129.2 193.8
 98 67.4 50.4 75.6





#23

Vinyl Acetate

Concen: 8.086 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tgt Ion: 43 Resp: 1684064

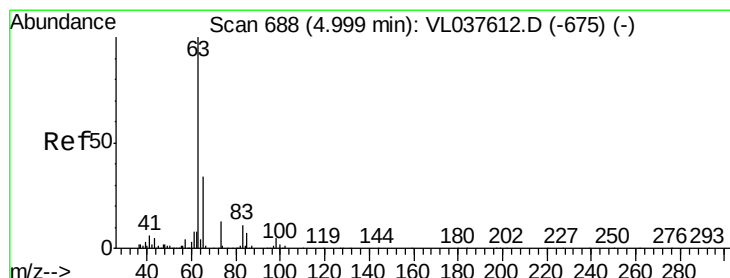
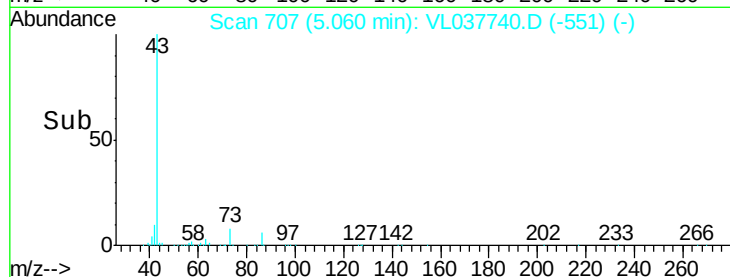
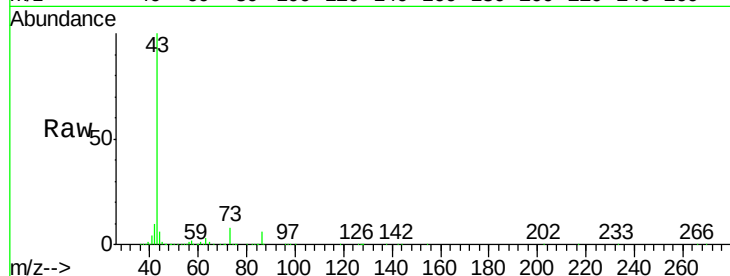
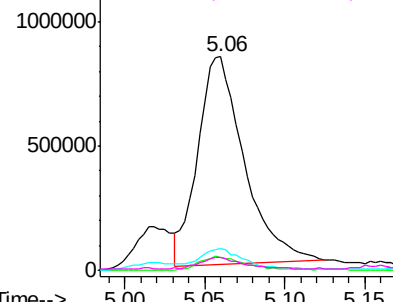
Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.0	7.6
42	10.0	7.5	11.3
44	5.4	4.7	7.1

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: 9.036 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

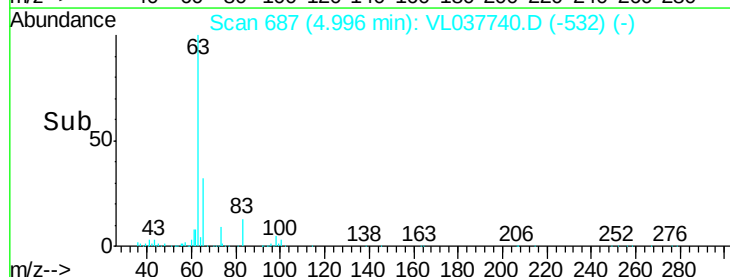
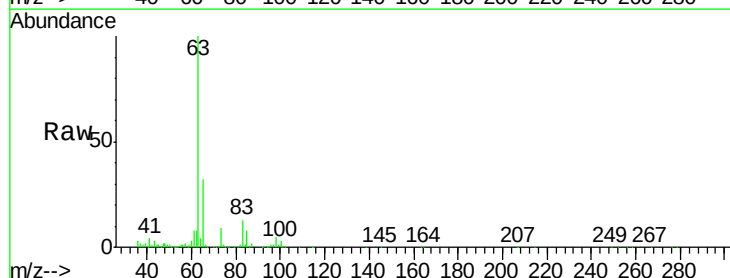
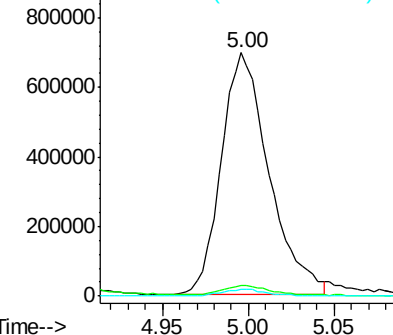
Tgt Ion: 63 Resp: 1348237

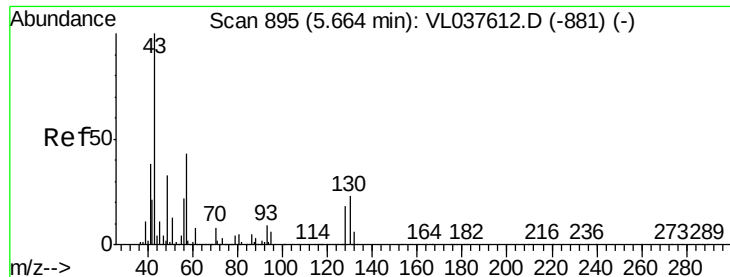
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.2
100	2.8	1.1	3.5

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: 9.756 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

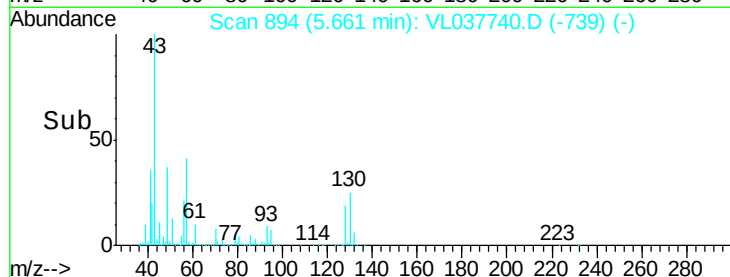
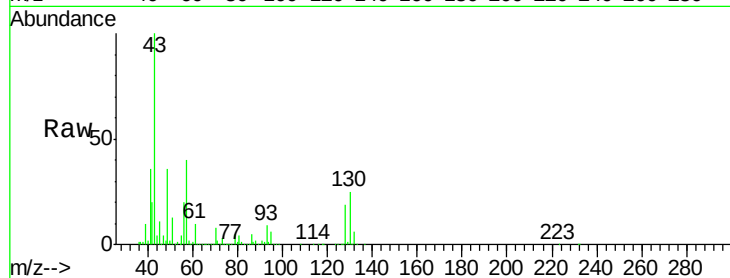
MSVOA_L

ClientSampleId :

VL1001ABS01

Tgt Ion: 43 Resp: 3556302

Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.0	12.0
61	9.5	7.5	11.3
70	7.1	5.6	8.4

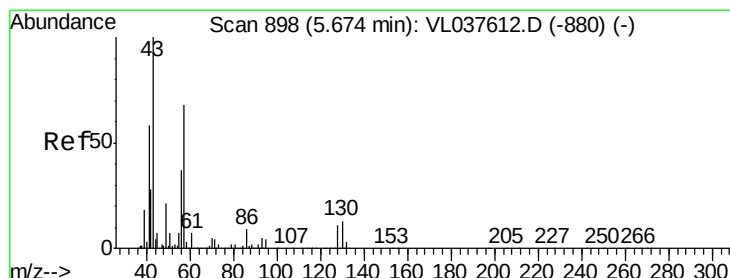


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.766 ppbv

RT: 5.67 min Scan# 897

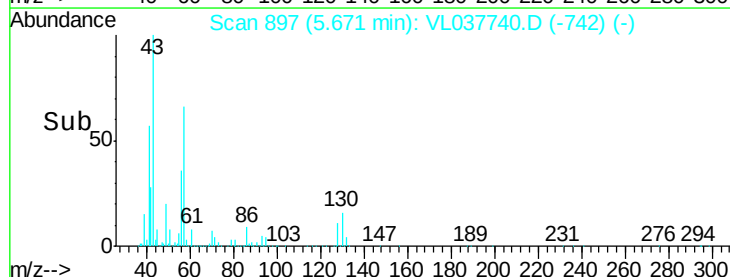
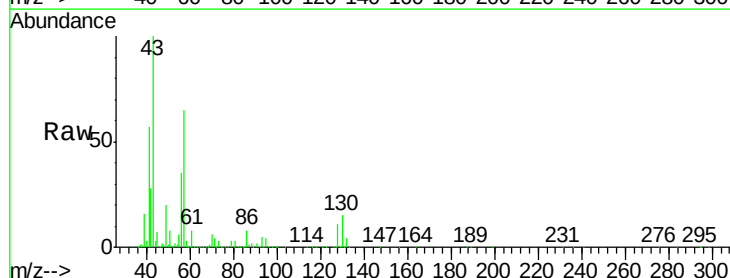
Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion: 57 Resp: 1691220

Ion	Ratio	Lower	Upper
57	100		
41	89.0	70.9	106.3
43	213.7	170.4	255.6
56	53.1	42.6	64.0

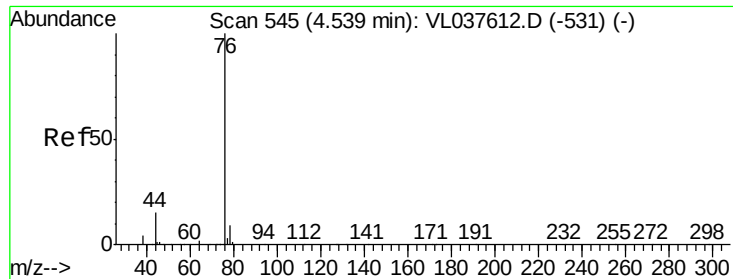


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.326 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

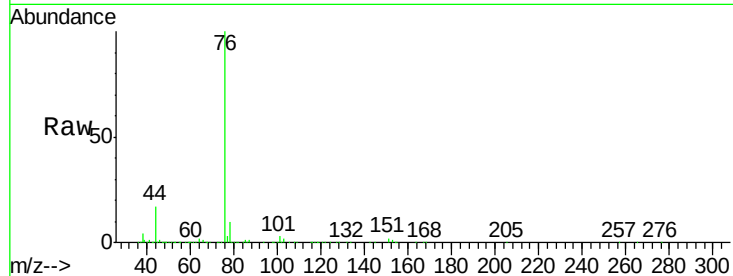
Tgt Ion: 76 Resp: 1635862

Ion Ratio Lower Upper

76 100

44 17.5 14.2 21.2

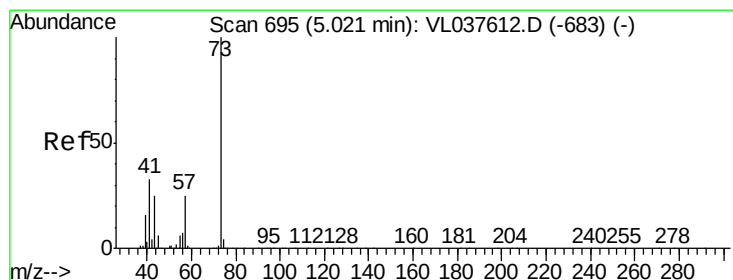
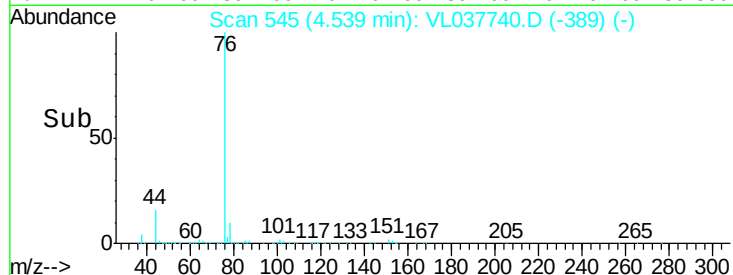
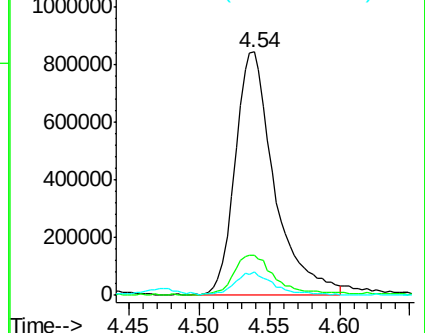
78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.095 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037740.D

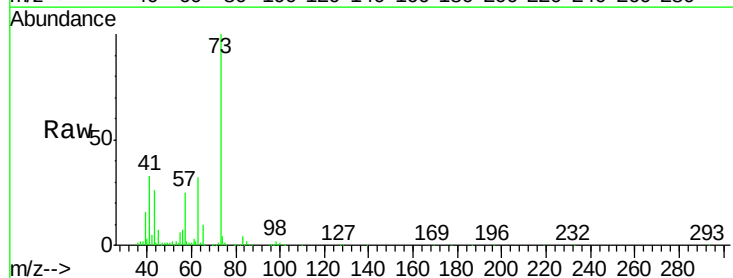
Acq: 1 Oct 2021 12:54

Tgt Ion: 73 Resp: 1387171

Ion Ratio Lower Upper

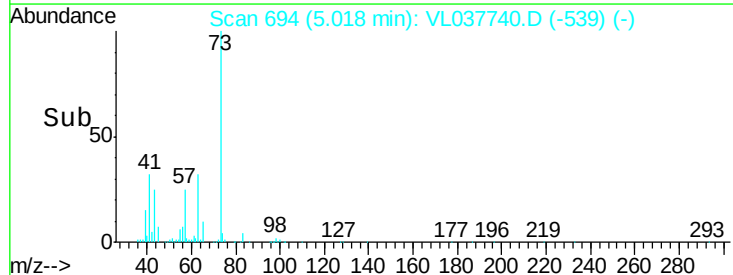
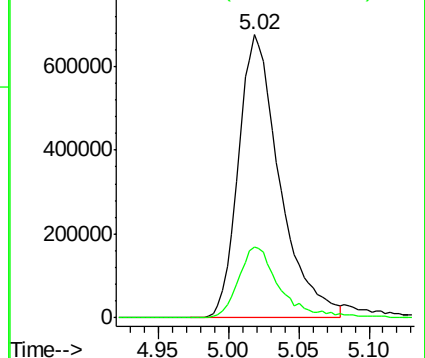
73 100

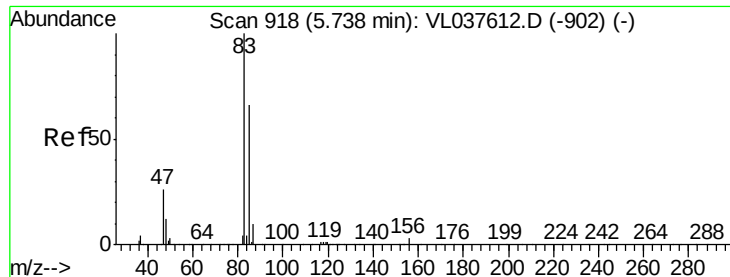
57 25.5 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

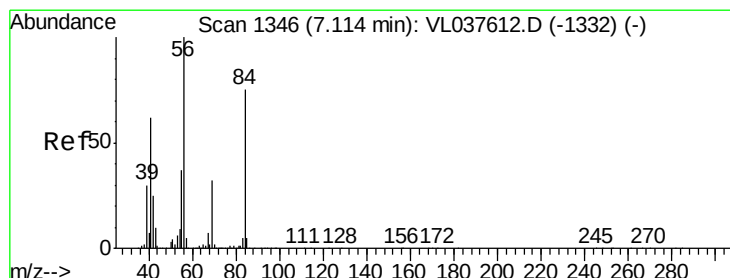
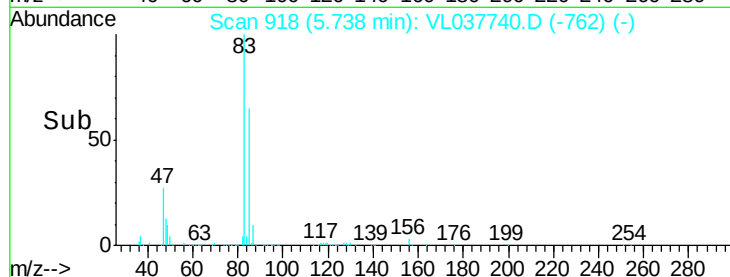
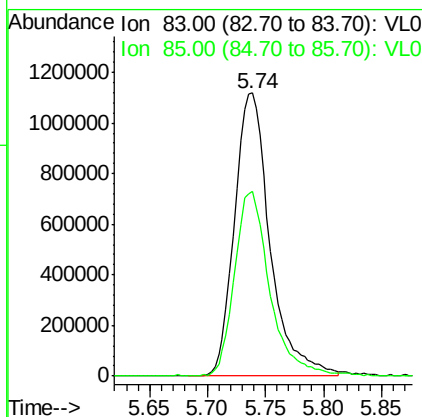
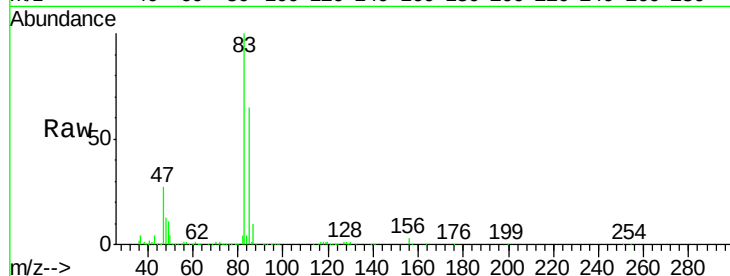




#29
Chloroform
Concen: 9.405 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

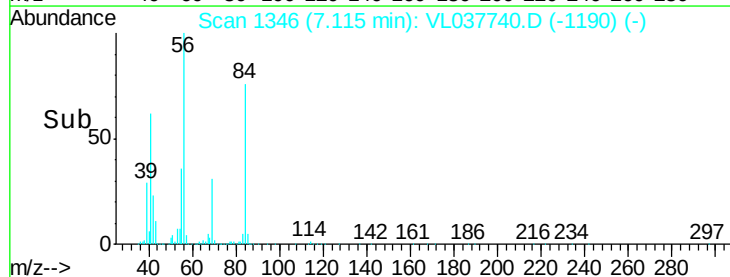
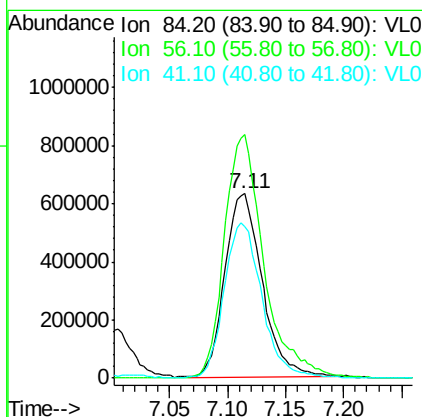
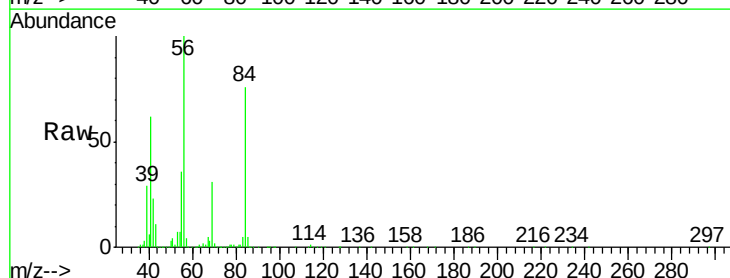
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

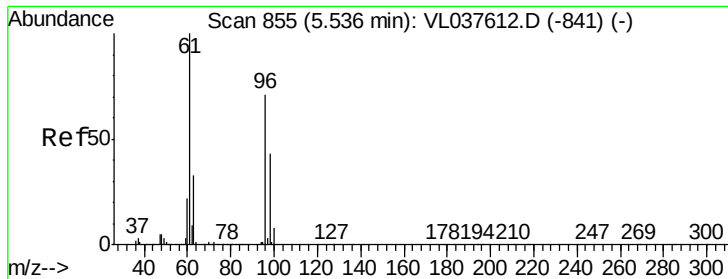
Tgt Ion: 83 Resp: 2378171
Ion Ratio Lower Upper
83 100
85 65.3 52.6 79.0



#30
Cyclohexane
Concen: 9.543 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 84 Resp: 1413325
Ion Ratio Lower Upper
84 100
56 140.6 113.6 170.4
41 85.6 67.9 101.9



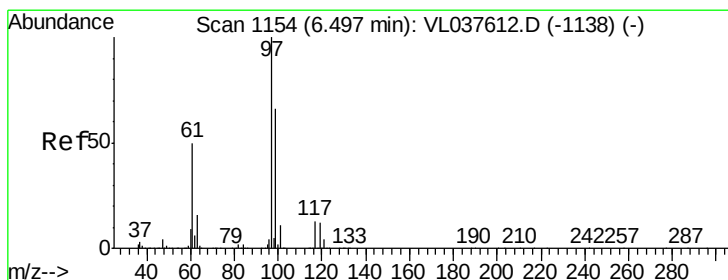
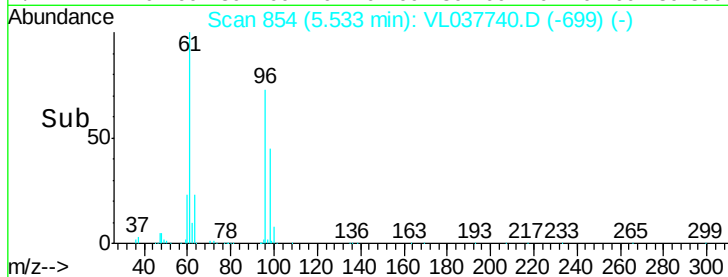
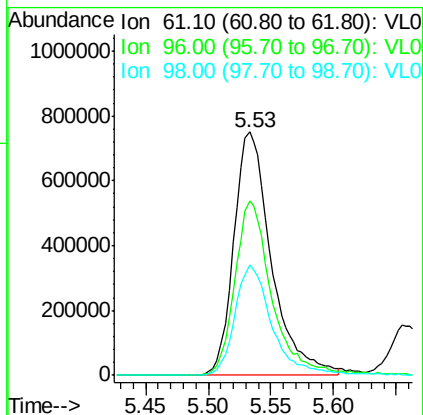
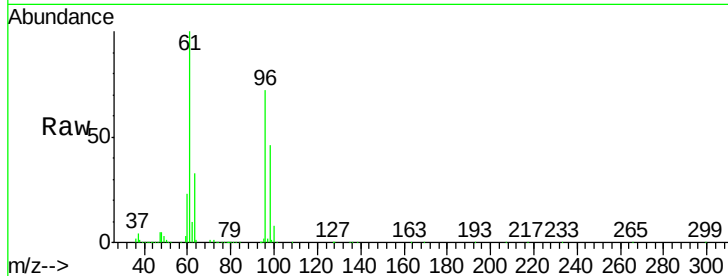


#31

cis-1,2-Dichloroethene
 Concen: 9.952 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

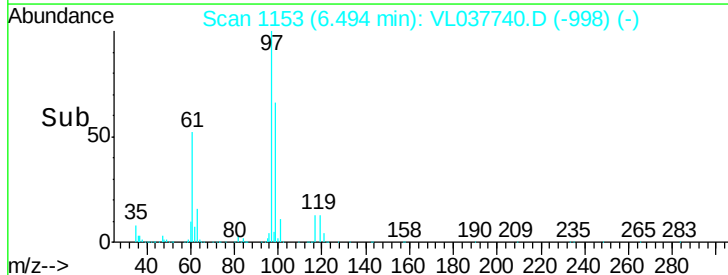
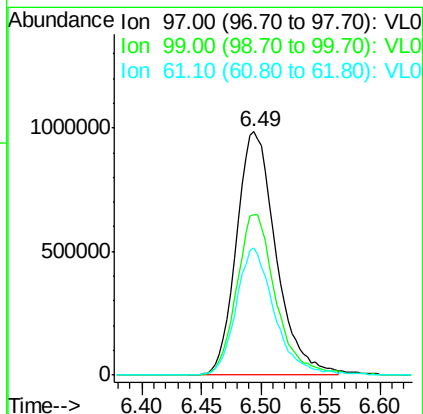
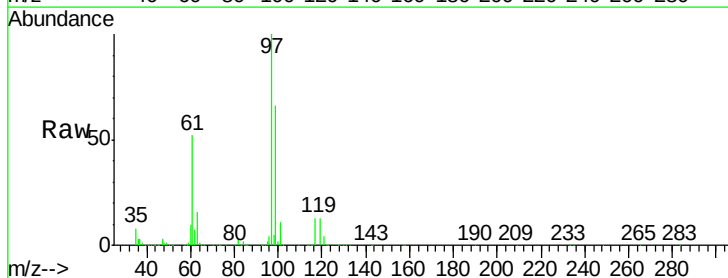
Tgt Ion: 61 Resp: 1564540
 Ion Ratio Lower Upper
 61 100
 96 71.7 56.7 85.1
 98 45.5 34.6 52.0

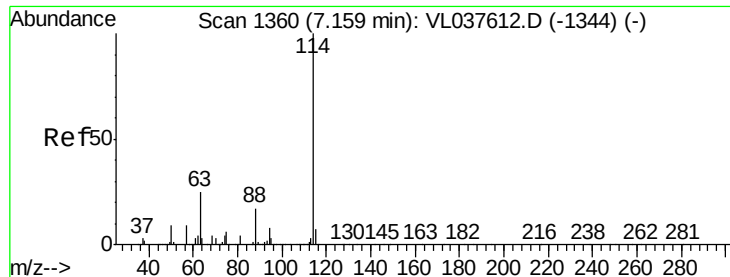


#32

1,1,1-Trichloroethane
 Concen: 9.650 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion: 97 Resp: 2271846
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.3 78.5
 61 51.1 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: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

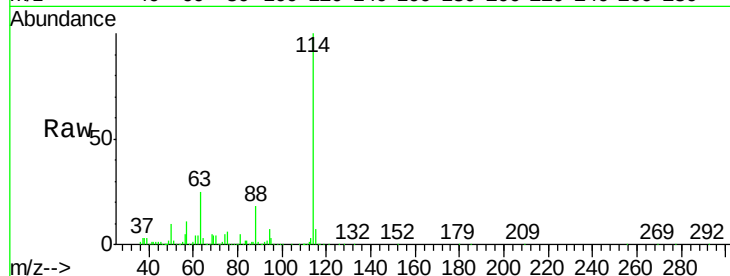
Tgt Ion:114 Resp: 4264969

Ion Ratio Lower Upper

114 100

63 24.6 19.6 29.4

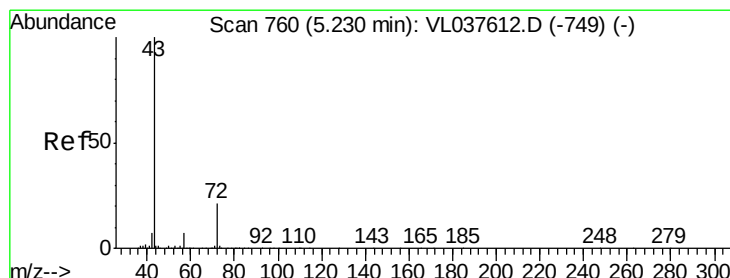
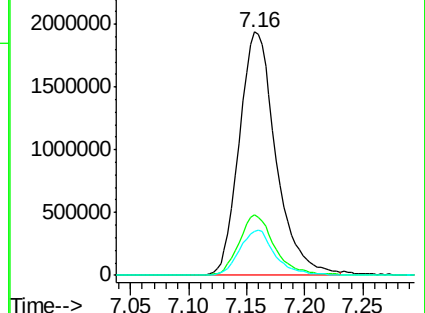
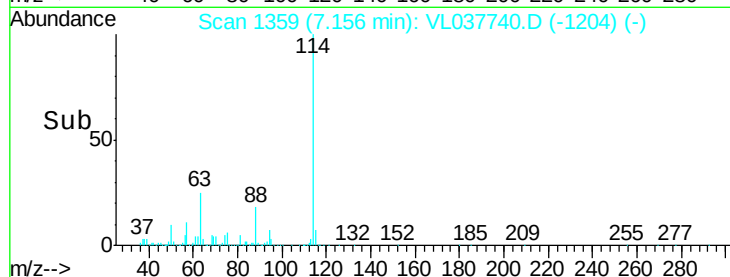
88 18.0 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.919 ppbv

RT: 5.23 min Scan# 760

Delta R.T. 0.00 min

Lab File: VL037740.D

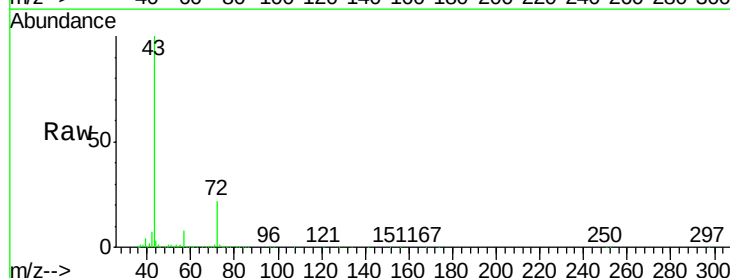
Acq: 1 Oct 2021 12:54

Tgt Ion: 43 Resp: 1545799

Ion Ratio Lower Upper

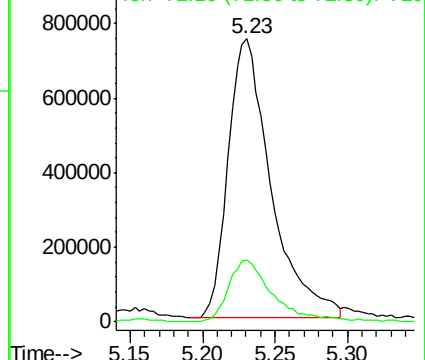
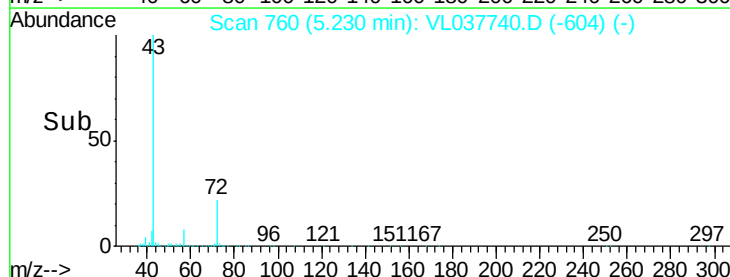
43 100

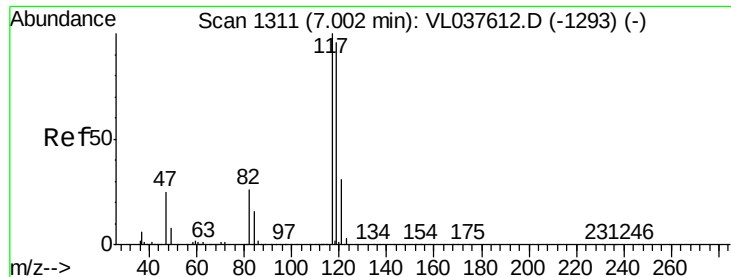
72 23.3 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.877 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

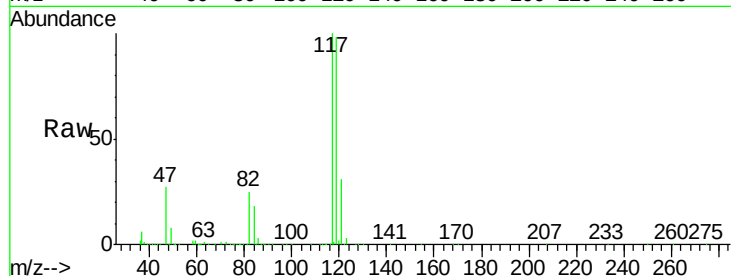
Tgt Ion:117 Resp: 2382922

Ion Ratio Lower Upper

117 100

119 97.8 77.0 115.6

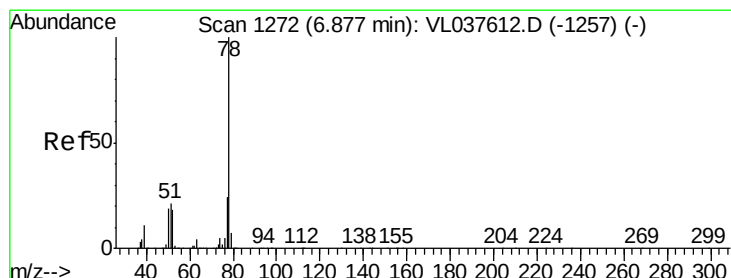
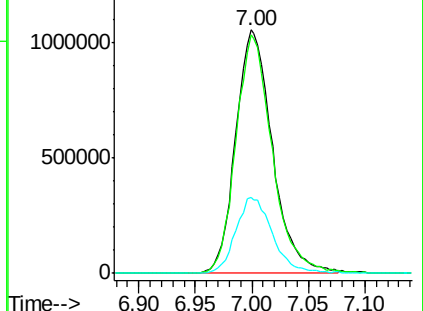
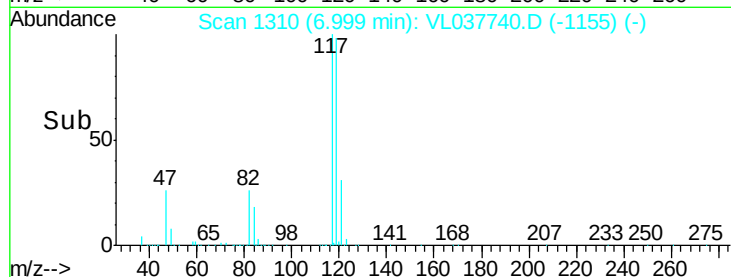
121 31.3 24.5 36.7



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: 9.786 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

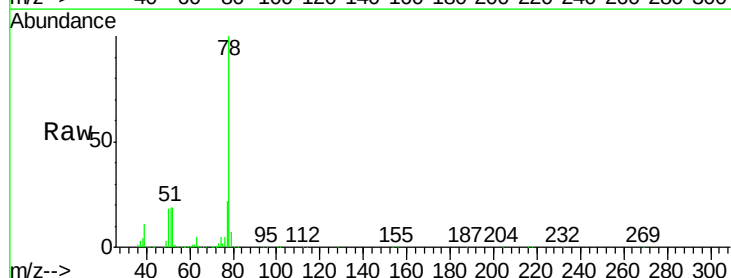
Tgt Ion: 78 Resp: 3480194

Ion Ratio Lower Upper

78 100

77 22.2 19.0 28.4

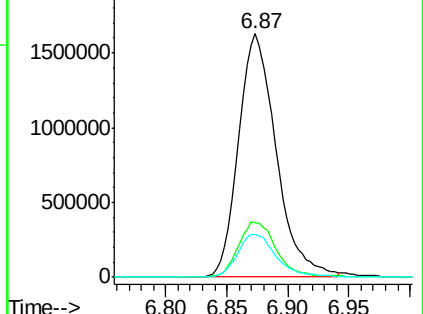
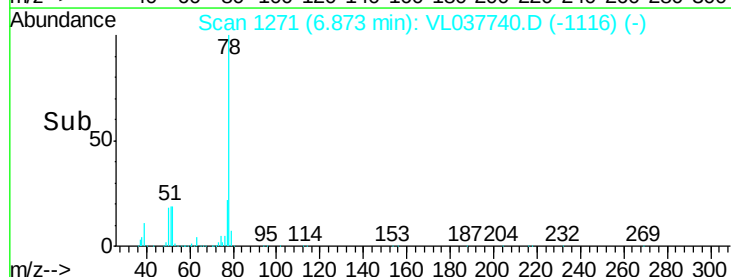
50 17.7 14.8 22.2

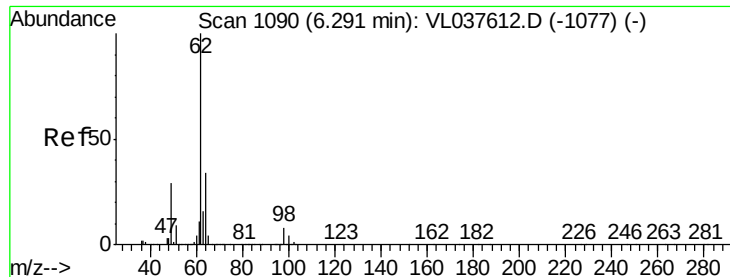


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

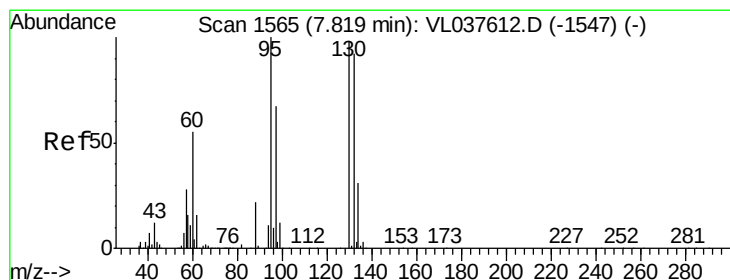
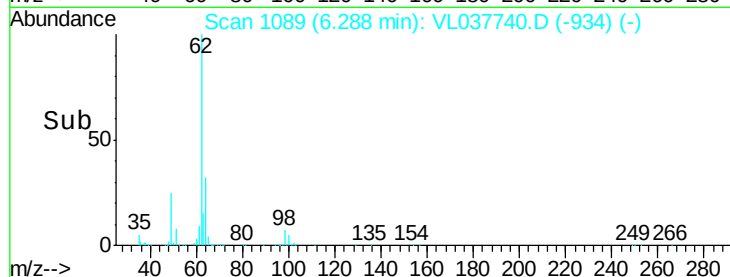
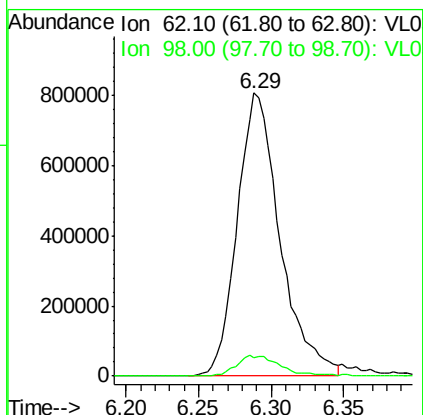
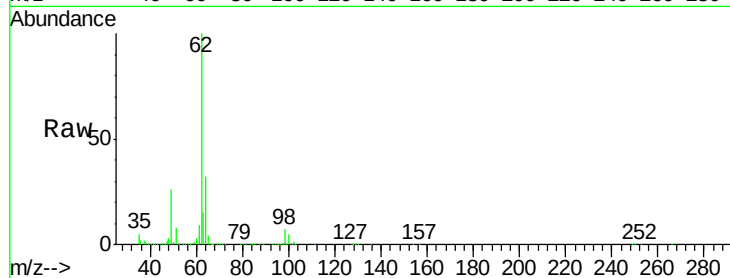




#37
 1,2-Dichloroethane
 Concen: 9.464 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

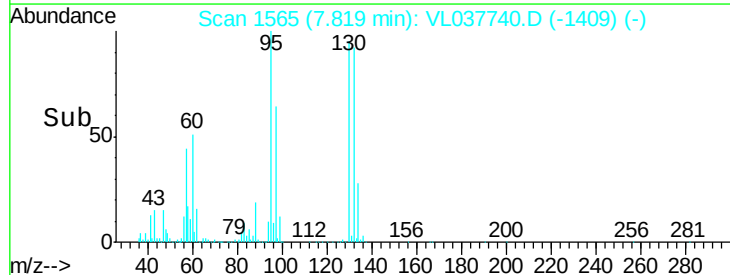
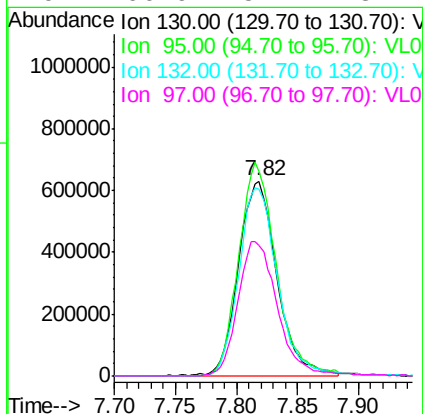
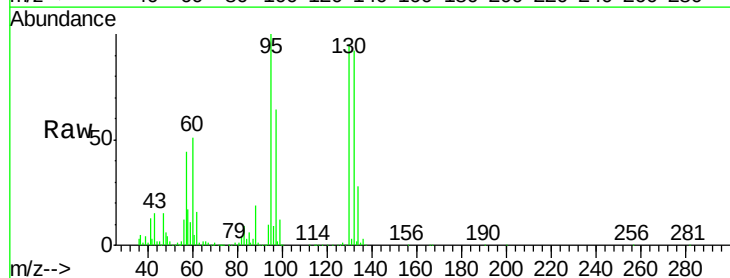
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

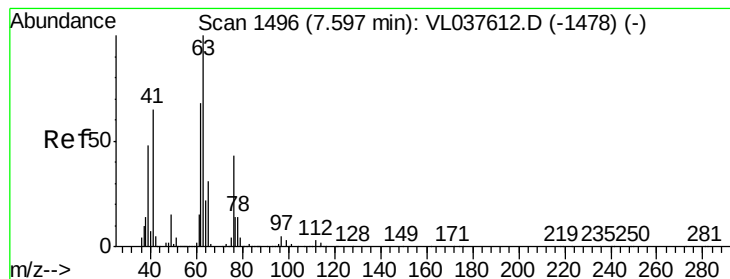
Tgt Ion: 62 Resp: 1655422
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.1 9.1



#38
 Trichloroethene
 Concen: 9.266 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion: 130 Resp: 1376626
 Ion Ratio Lower Upper
 130 100
 95 105.0 81.8 122.6
 132 96.0 75.3 112.9
 97 66.9 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.795 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

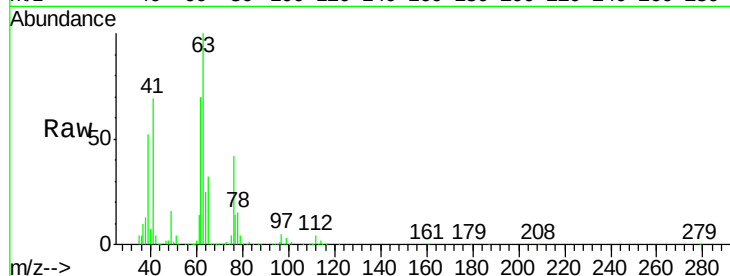
Tgt Ion: 63 Resp: 1334285

Ion Ratio Lower Upper

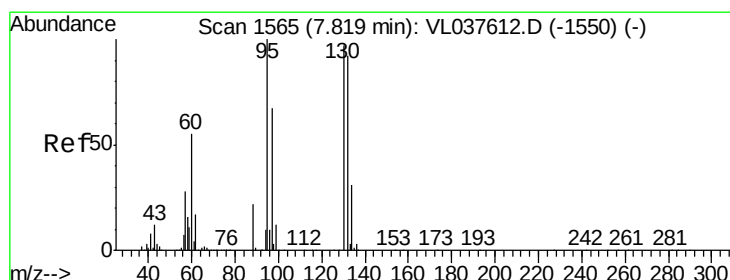
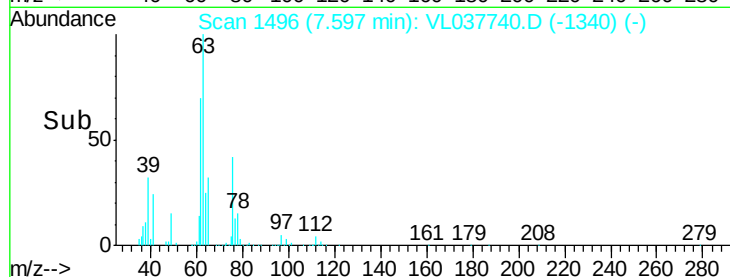
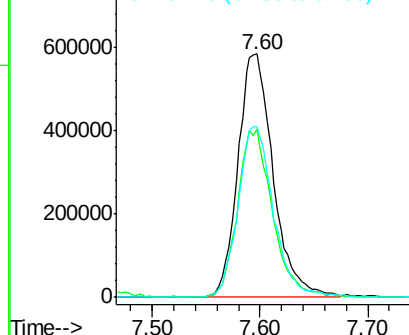
63 100

41 68.9 51.6 77.4

62 70.0 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: 9.774 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion: 88 Resp: 323840

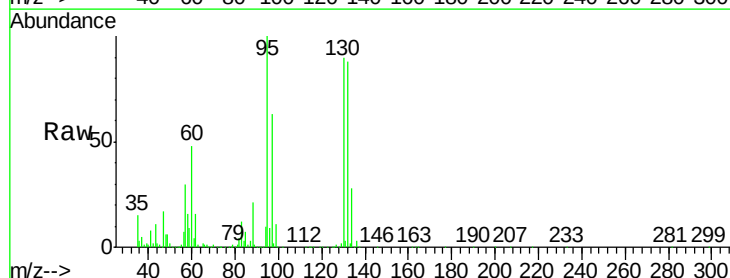
Ion Ratio Lower Upper

88 100

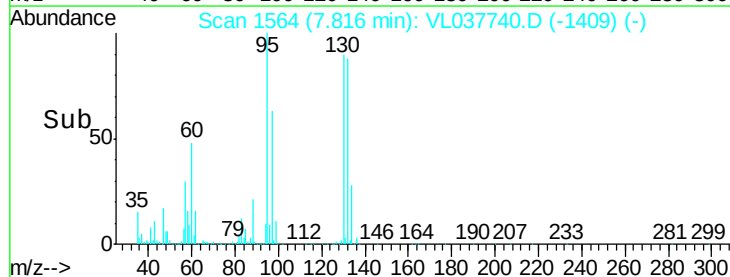
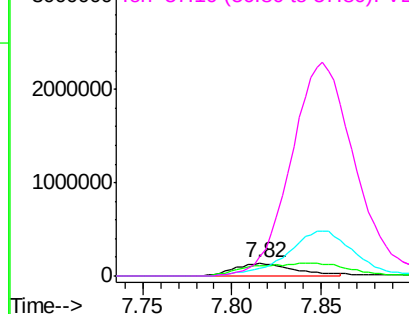
58 0.0 122.4 183.6#

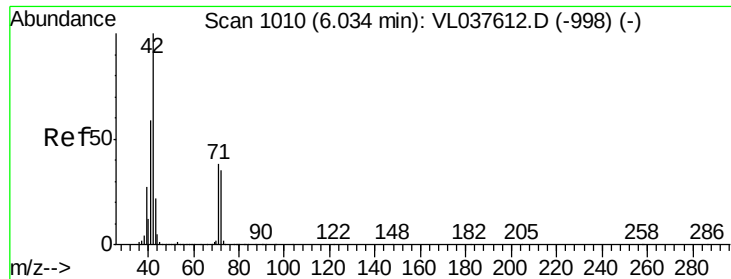
43 0.0 297.4 446.0#

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

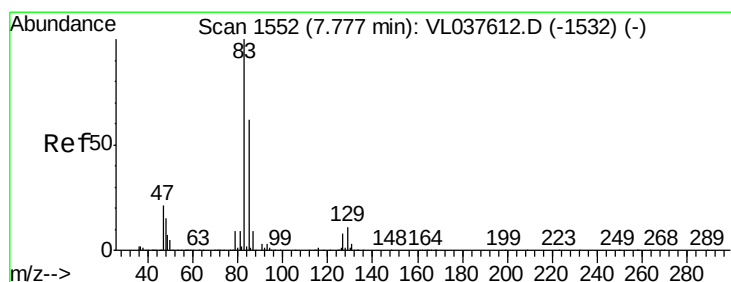
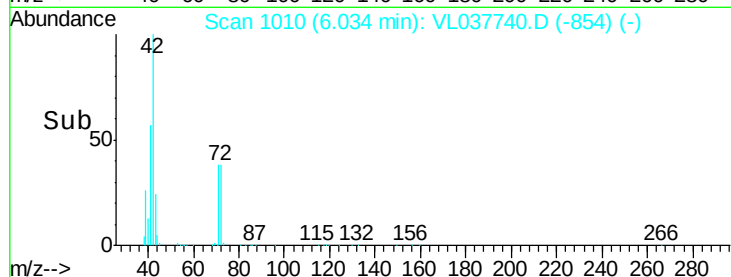
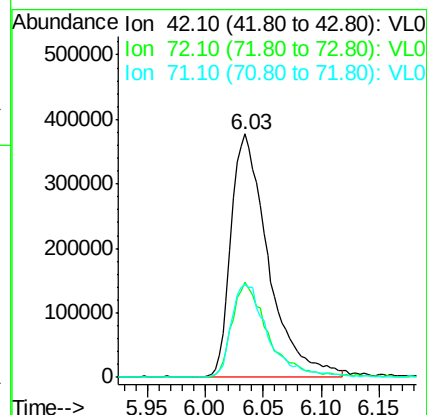
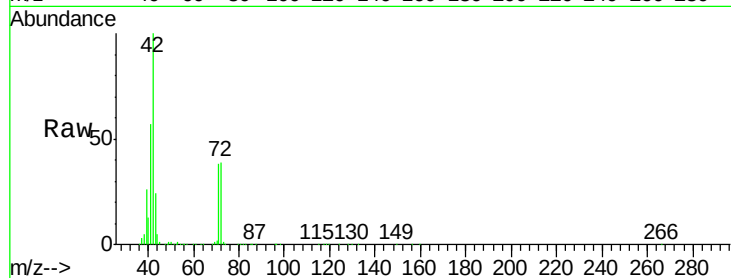




#41
Tetrahydrofuran
Concen: 10.352 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

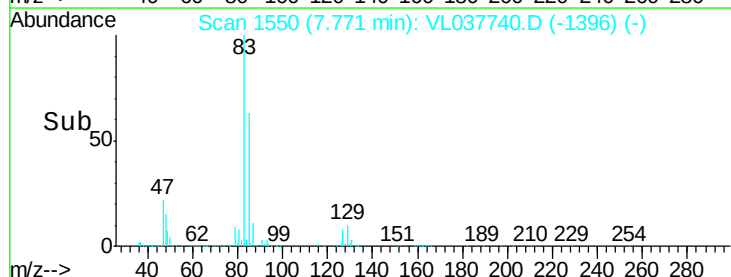
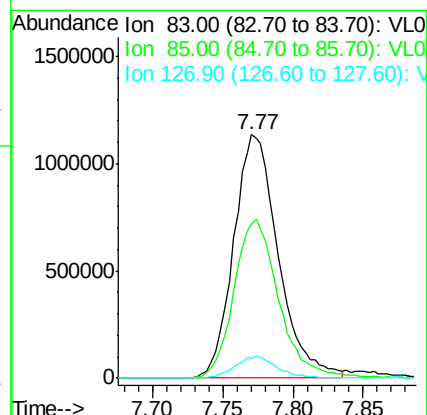
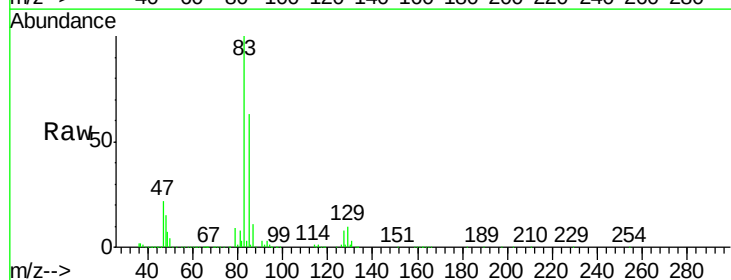
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

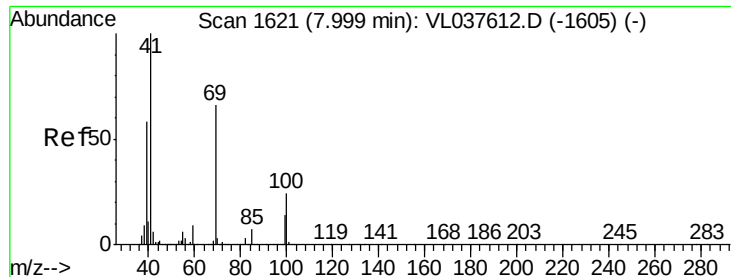
Tgt Ion: 42 Resp: 843437
Ion Ratio Lower Upper
42 100
72 38.1 31.4 47.2
71 38.2 30.6 46.0



#42
Bromodichloromethane
Concen: 9.967 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 83 Resp: 2498767
Ion Ratio Lower Upper
83 100
85 63.3 49.8 74.6
127 8.1 6.4 9.6

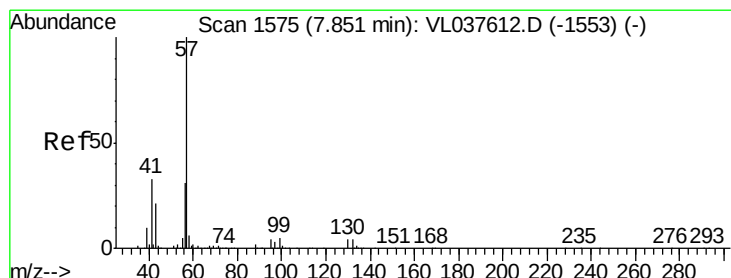
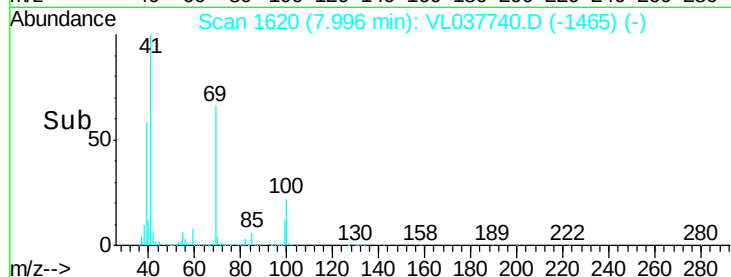
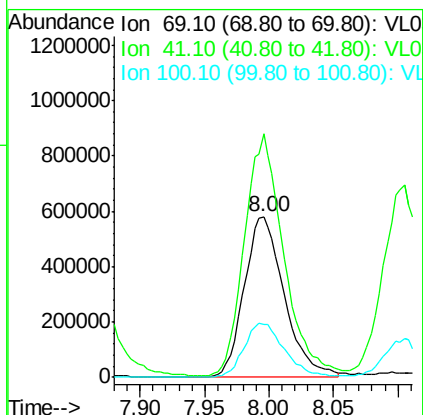
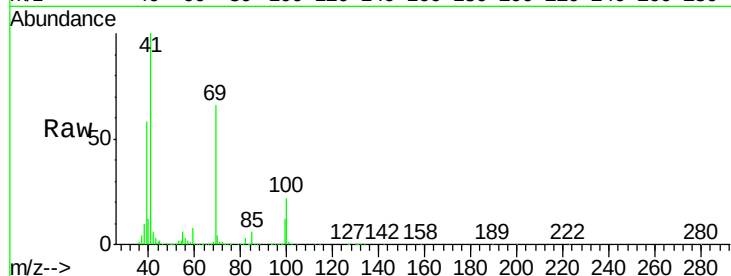




#43
Methyl Methacrylate
Concen: 10.611 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

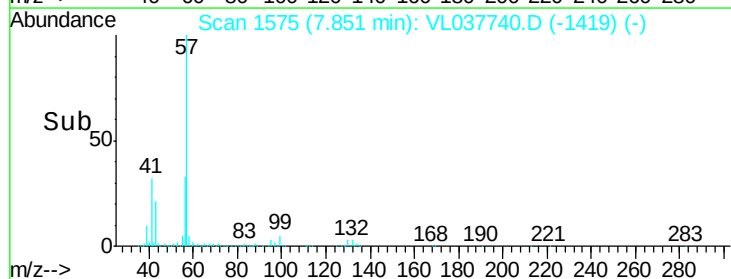
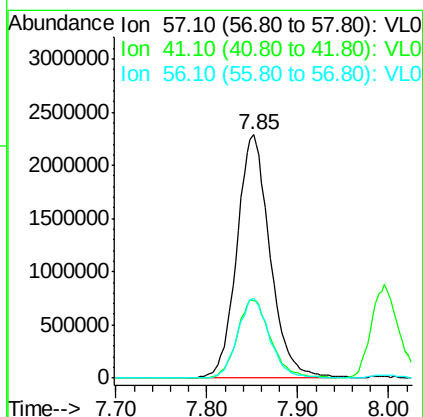
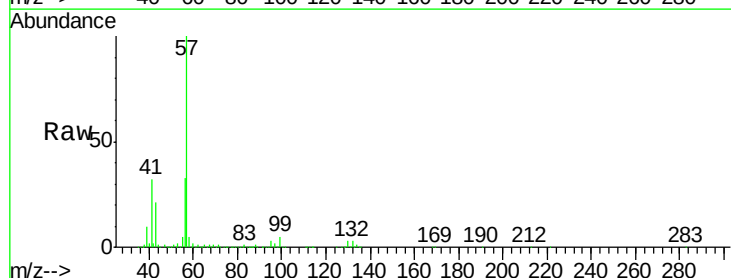
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

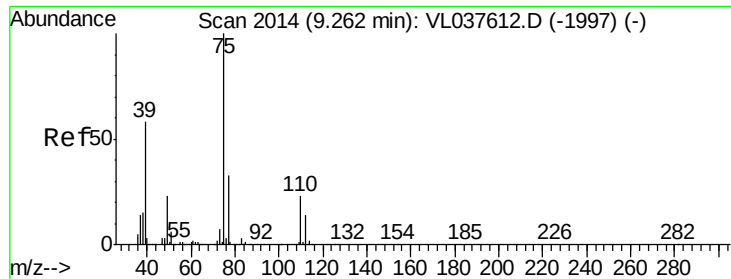
Tgt Ion: 69 Resp: 1255426
Ion Ratio Lower Upper
69 100
41 149.7 119.0 178.4
100 34.4 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.654 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 57 Resp: 5772206
Ion Ratio Lower Upper
57 100
41 32.7 26.1 39.1
56 31.9 25.7 38.5

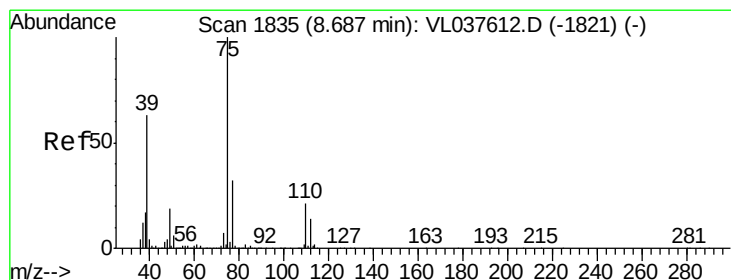
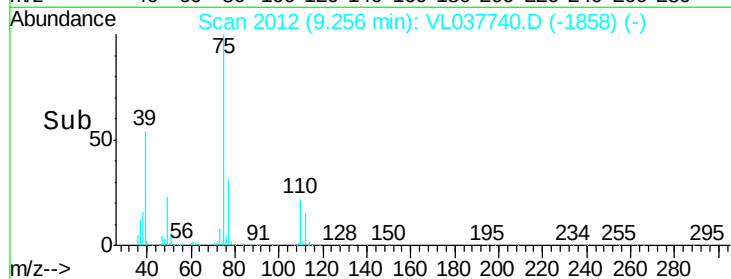
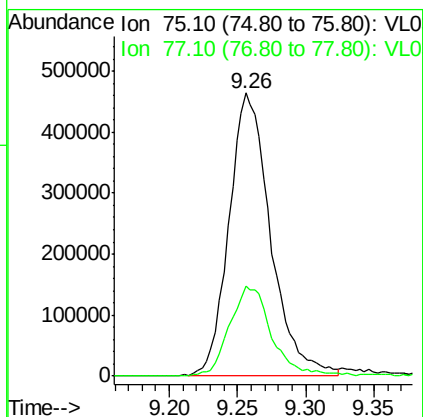
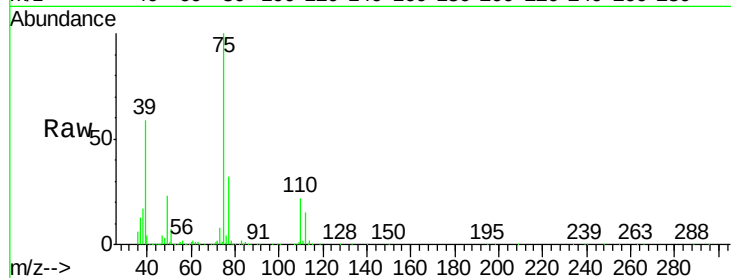




#45
 t-1,3-Dichloropropene
 Concen: 10.459 ppbv
 RT: 9.26 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

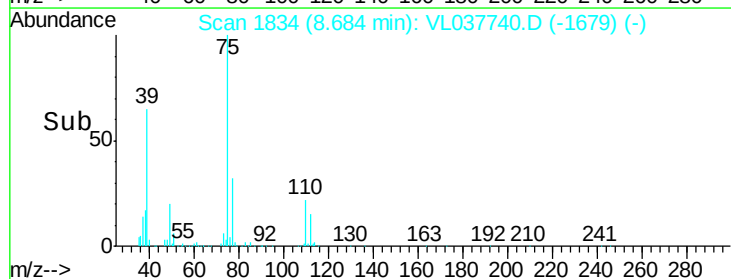
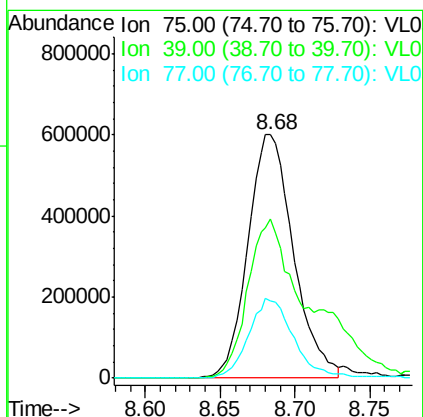
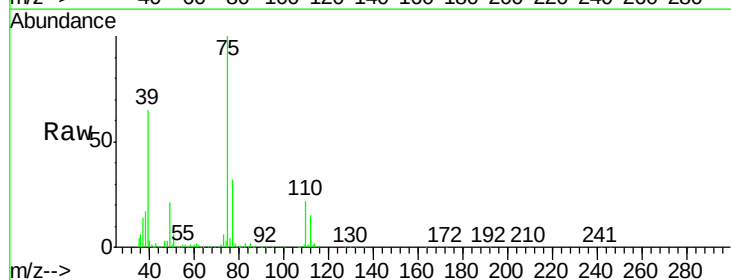
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

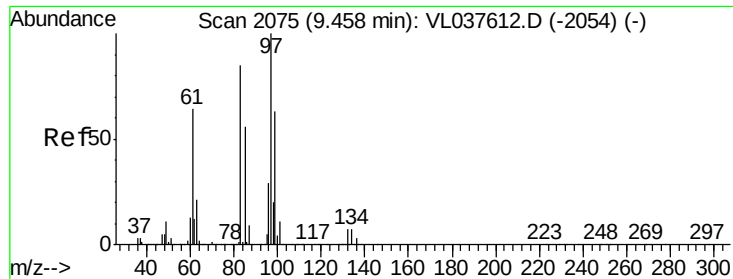
Tgt Ion: 75 Resp: 971985
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.3 39.5



#46
 cis-1,3-Dichloropropene
 Concen: 10.116 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion: 75 Resp: 1269865
 Ion Ratio Lower Upper
 75 100
 39 65.2 50.2 75.4
 77 31.5 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.373 ppbv

RT: 9.45 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tgt Ion: 97 Resp: 1412368

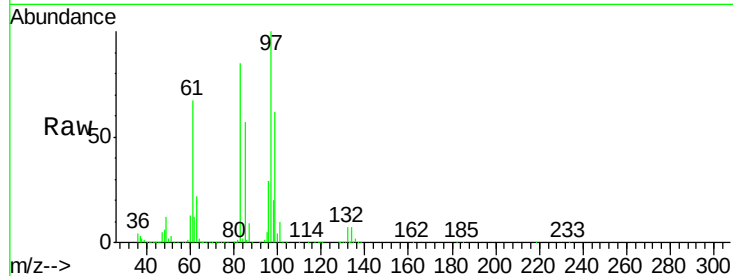
Ion Ratio Lower Upper

97 100

83 84.9 67.9 101.9

85 57.4 44.8 67.2

99 62.5 50.1 75.1

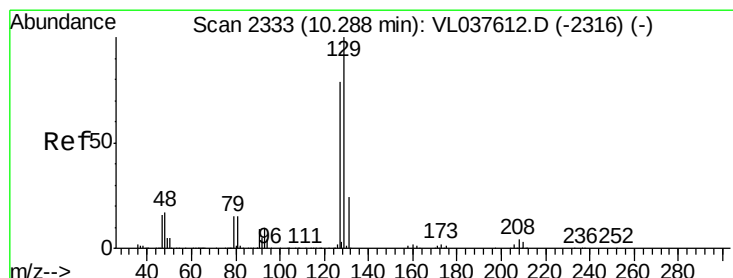
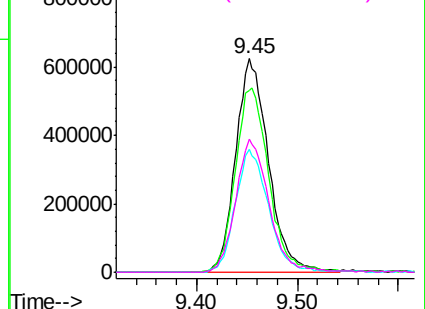
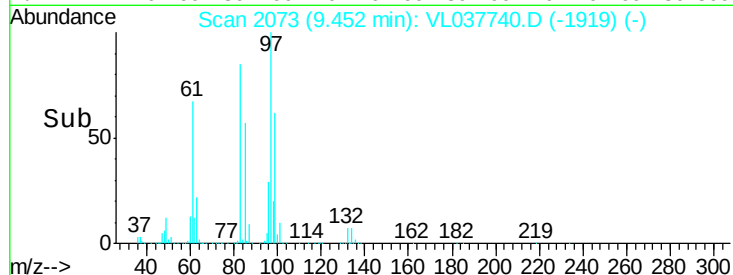


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.590 ppbv

RT: 10.28 min Scan# 2331

Delta R.T. -0.01 min

Lab File: VL037740.D

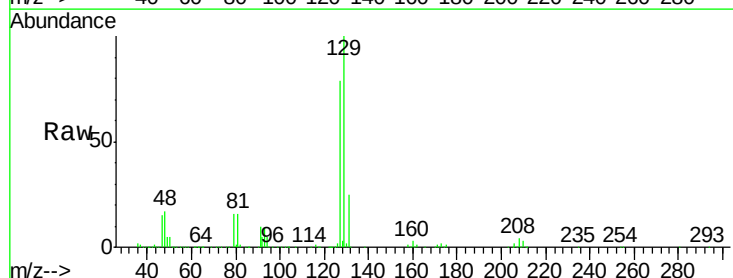
Acq: 1 Oct 2021 12:54

Tgt Ion: 129 Resp: 2226213

Ion Ratio Lower Upper

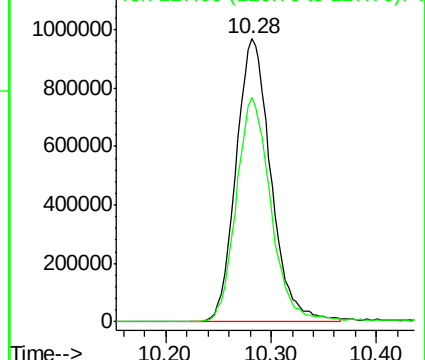
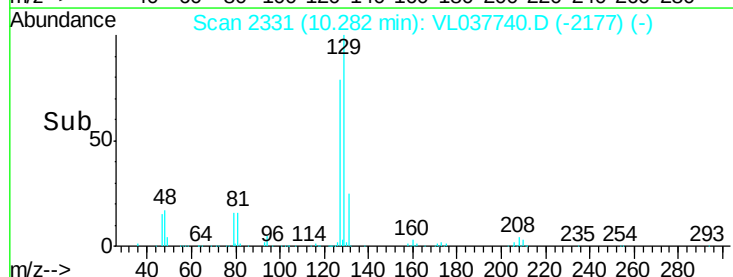
129 100

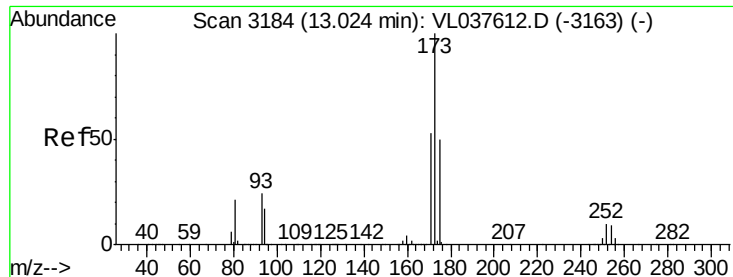
127 79.0 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.556 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

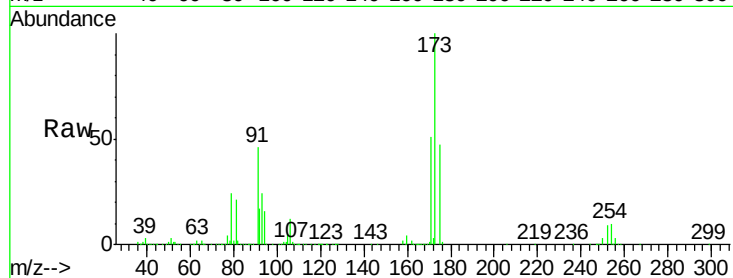
Tgt Ion:173 Resp: 1775919

Ion Ratio Lower Upper

173 100

175 51.2 39.8 59.8

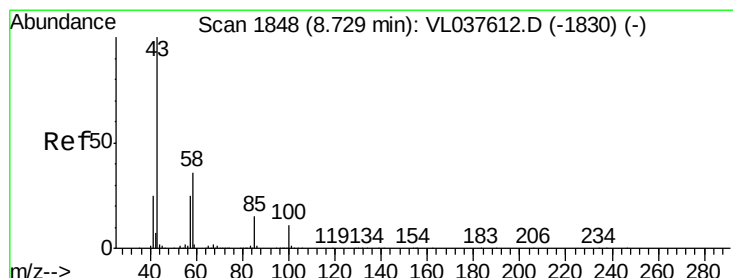
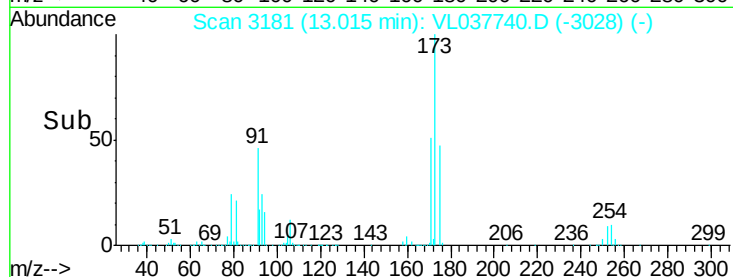
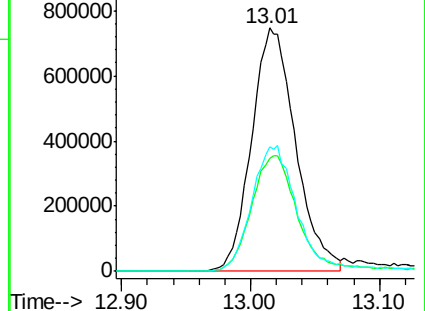
171 54.4 42.2 63.4



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: 10.154 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL037740.D

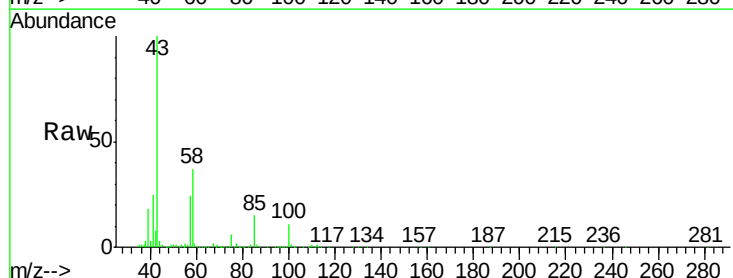
Acq: 1 Oct 2021 12:54

Tgt Ion: 43 Resp: 2233756

Ion Ratio Lower Upper

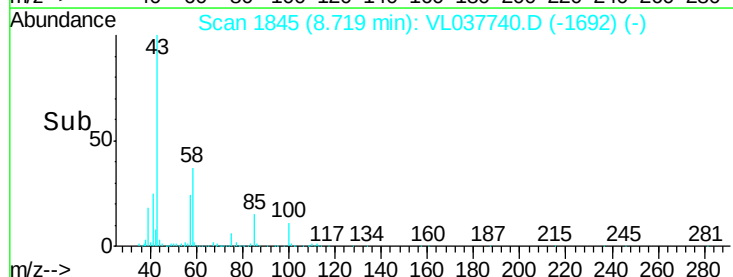
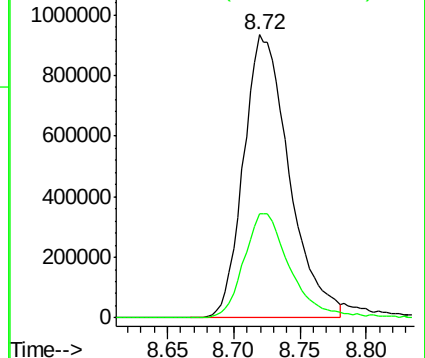
43 100

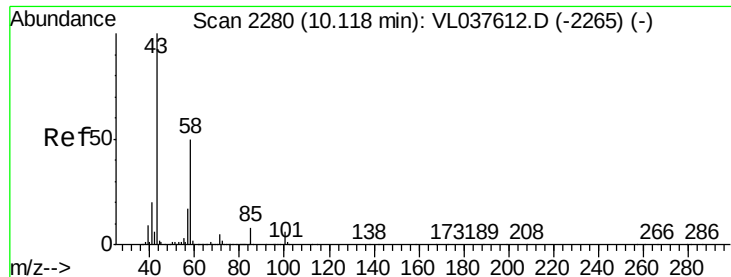
58 37.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

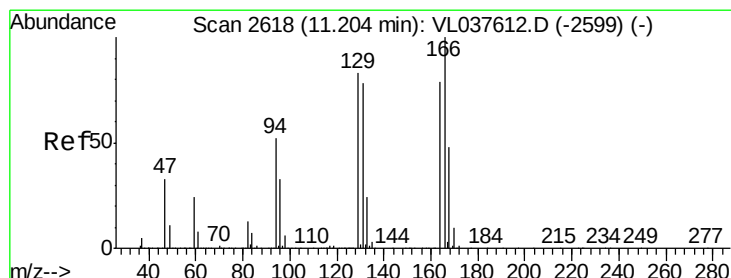
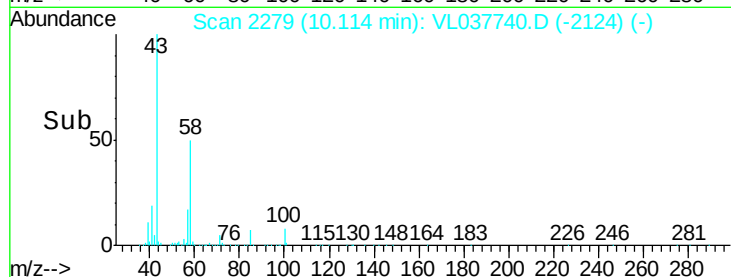
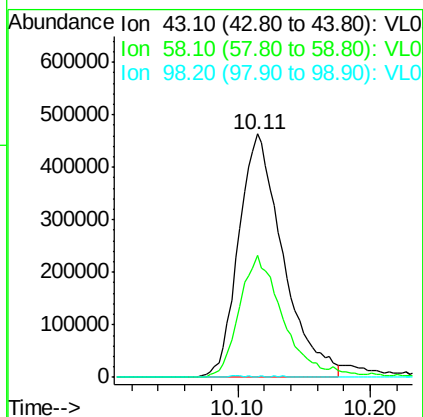
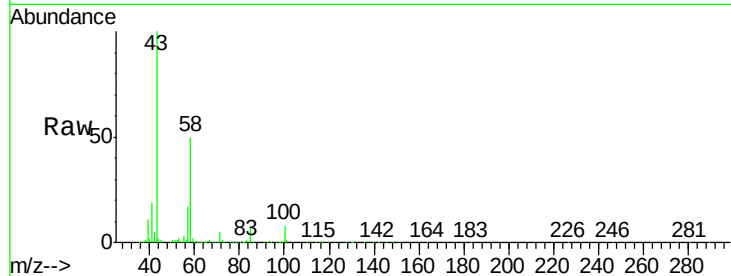




#51
2-Hexanone
Concen: 11.099 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

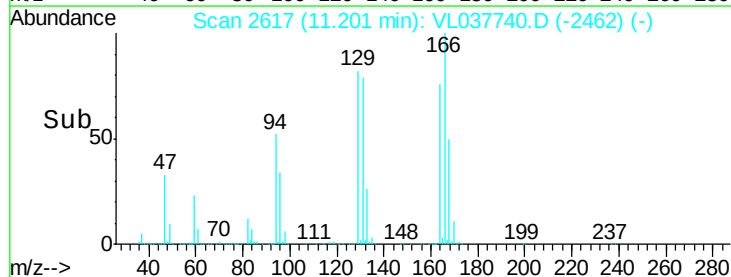
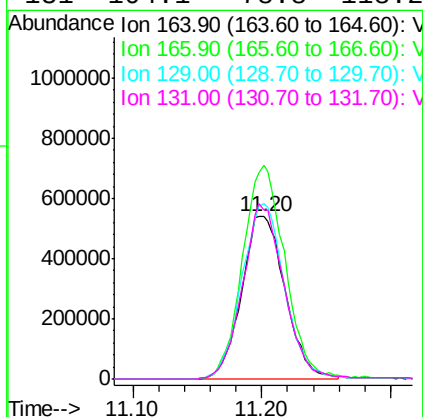
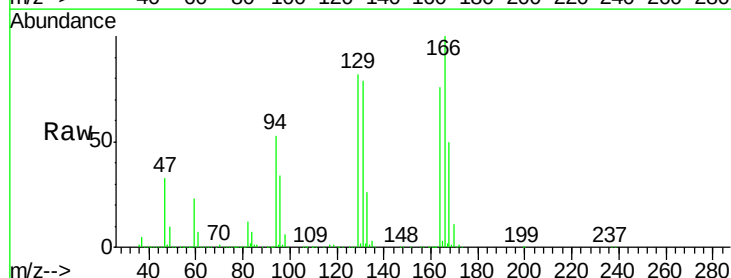
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

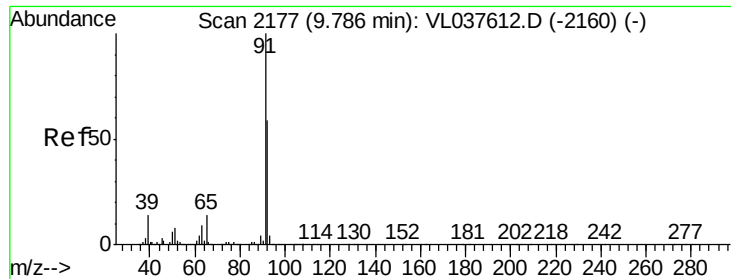
Tgt Ion: 43 Resp: 1077250
Ion Ratio Lower Upper
43 100
58 50.7 39.3 58.9
98 0.4 0.4 0.6



#52
Tetrachloroethene
Concen: 9.293 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 164 Resp: 1268826
Ion Ratio Lower Upper
164 100
166 131.4 101.2 151.8
129 108.3 84.0 126.0
131 104.1 78.8 118.2





#53

Toluene

Concen: 10.168 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

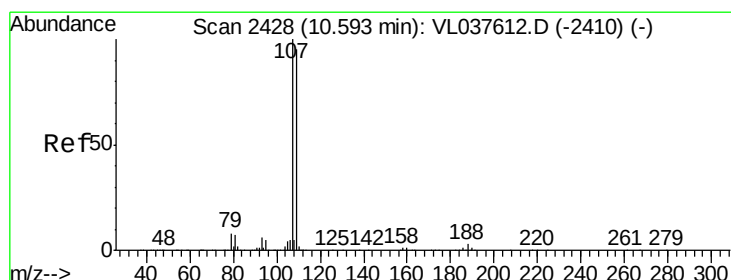
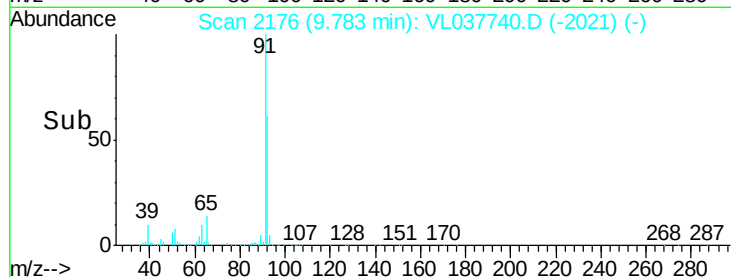
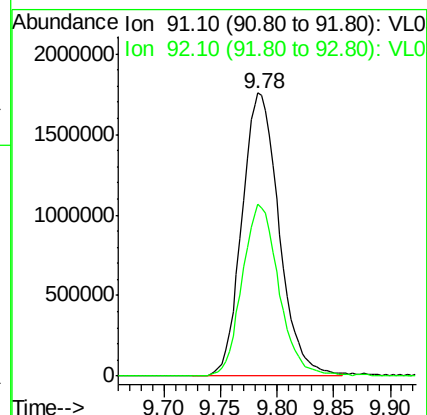
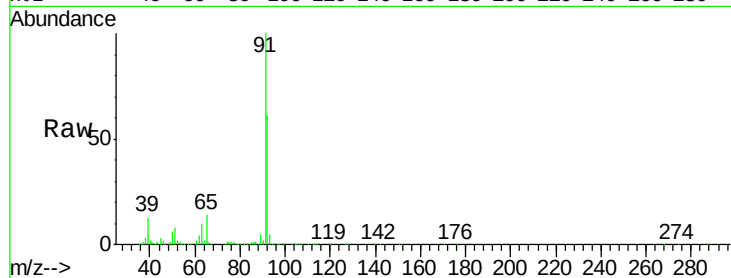
VL1001ABS01

Tgt Ion: 91 Resp: 4019624

Ion Ratio Lower Upper

91 100

92 60.5 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.621 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.00 min

Lab File: VL037740.D

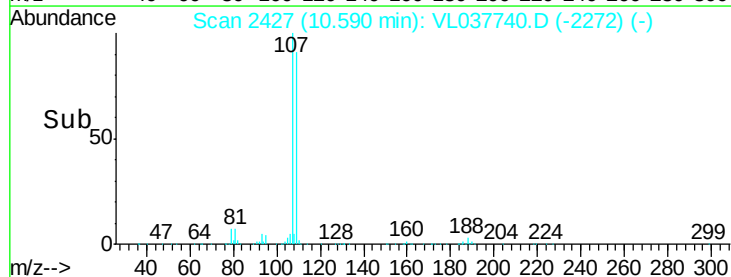
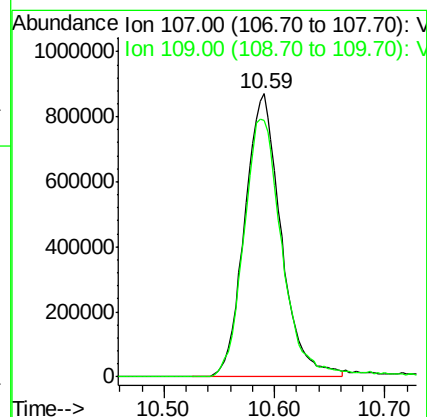
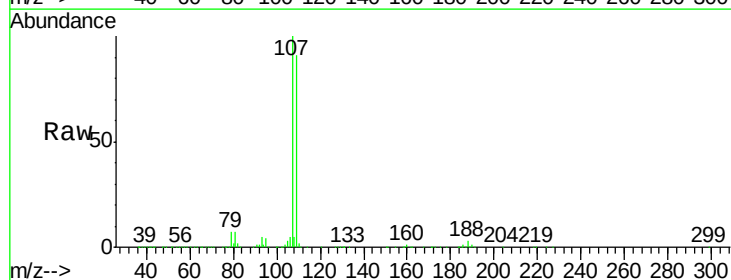
Acq: 1 Oct 2021 12:54

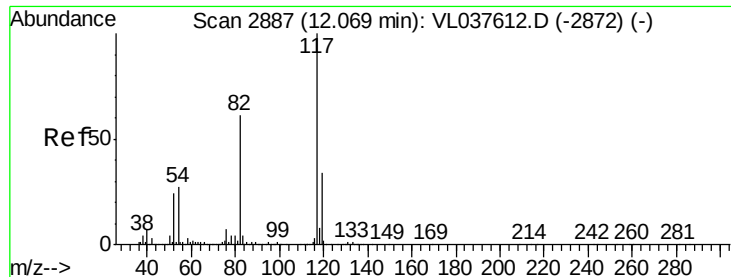
Tgt Ion: 107 Resp: 1985084

Ion Ratio Lower Upper

107 100

109 90.6 76.0 114.0

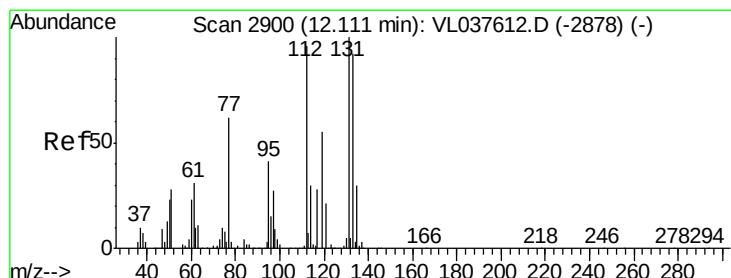
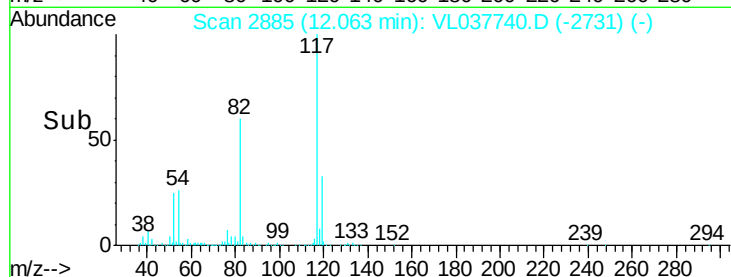
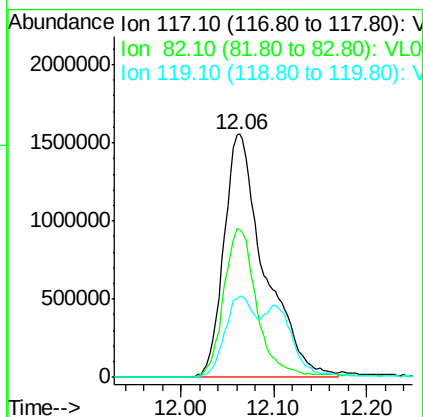
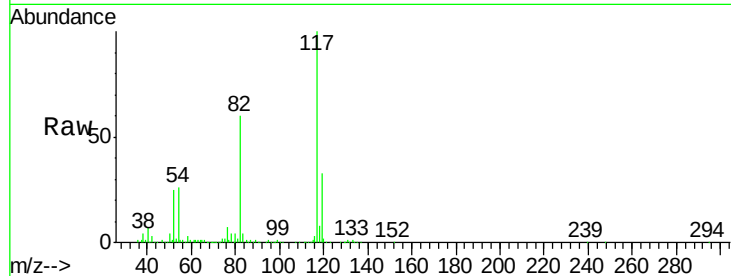




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

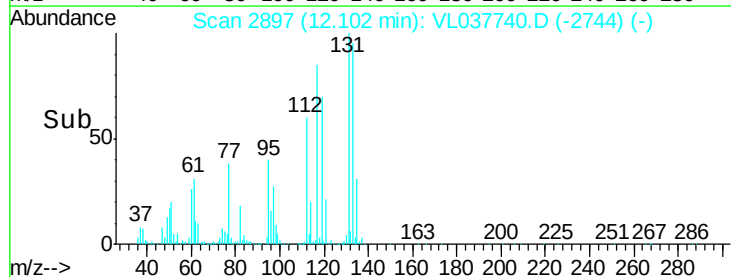
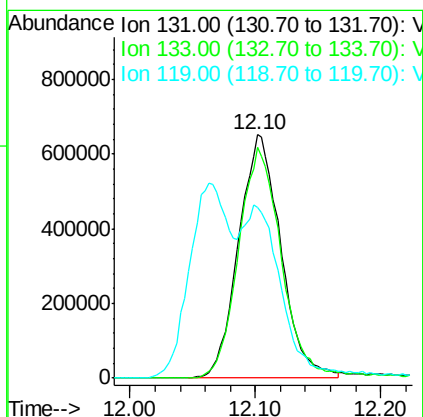
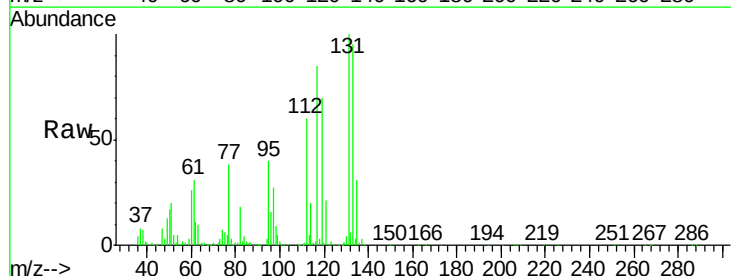
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

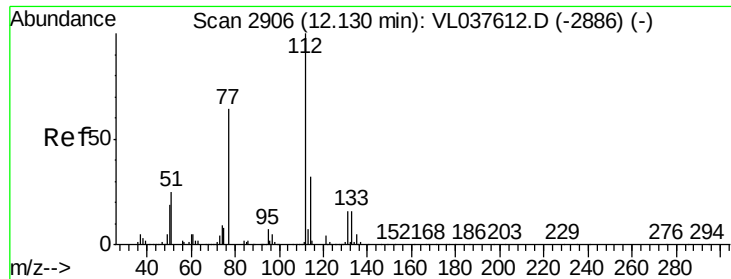
Tgt Ion:117 Resp: 4742064
Ion Ratio Lower Upper
117 100
82 51.2 50.6 75.8
119 25.5 26.2 39.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.734 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion:131 Resp: 1521215
Ion Ratio Lower Upper
131 100
133 98.5 76.8 115.2
119 62.9 47.8 71.8





#57

Chlorobenzene

Concen: 7.321 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

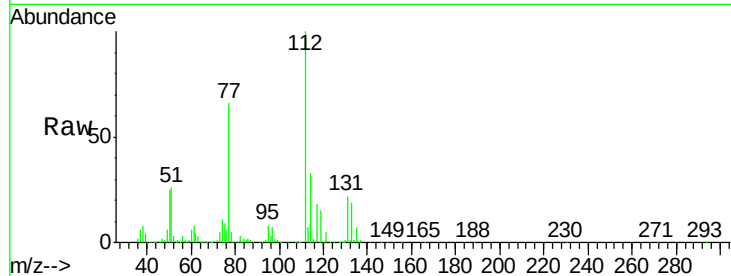
Tgt Ion: 112 Resp: 2886350

Ion Ratio Lower Upper

112 100

77 64.7 52.1 78.1

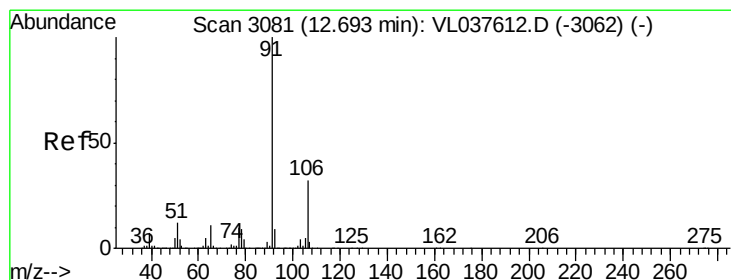
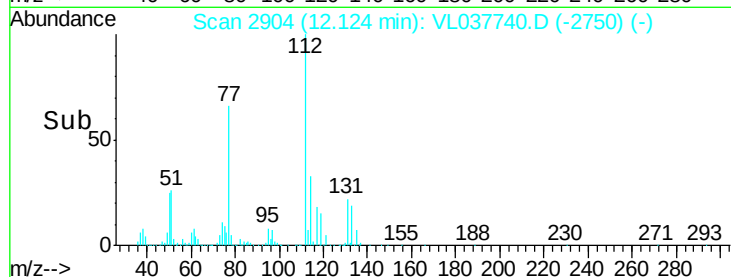
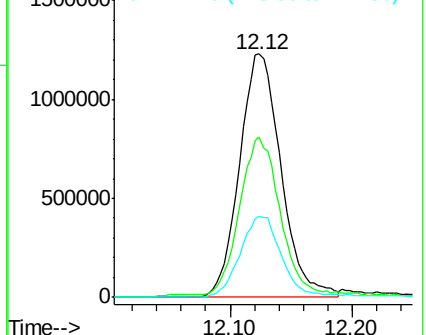
114 33.4 29.2 35.6



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: 8.046 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL037740.D

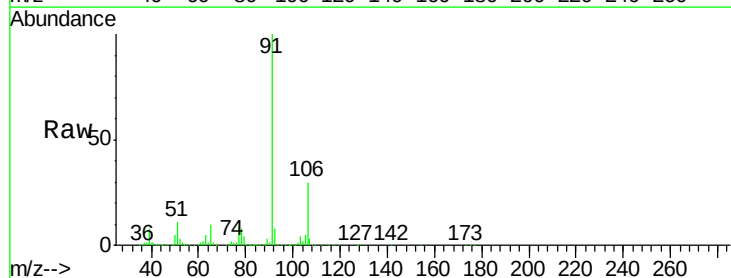
Acq: 1 Oct 2021 12:54

Tgt Ion: 91 Resp: 5064606

Ion Ratio Lower Upper

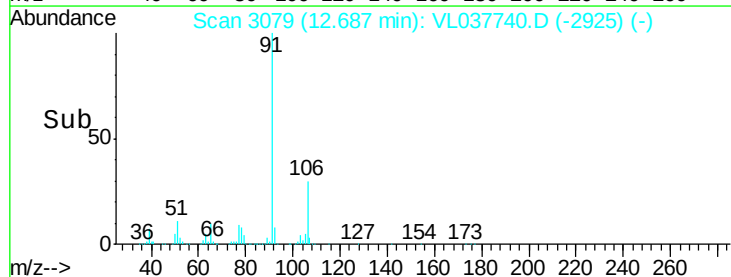
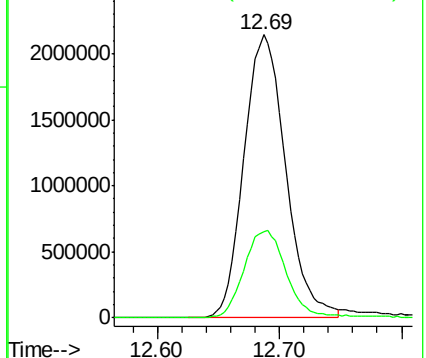
91 100

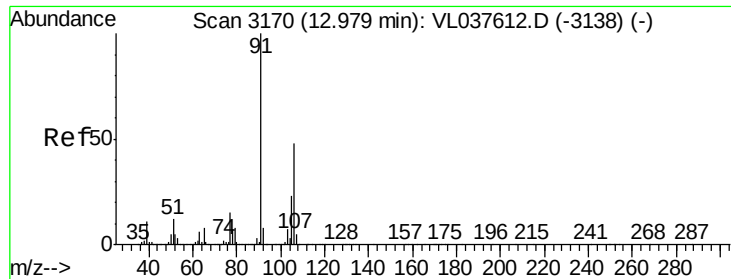
106 30.5 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

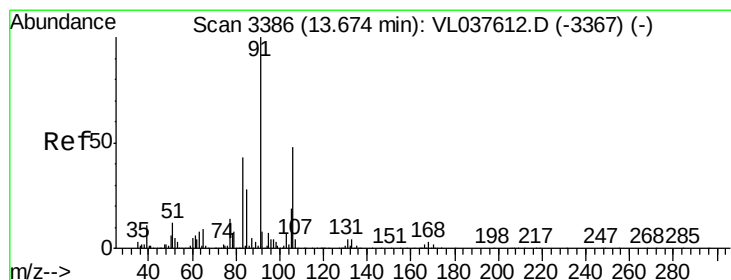
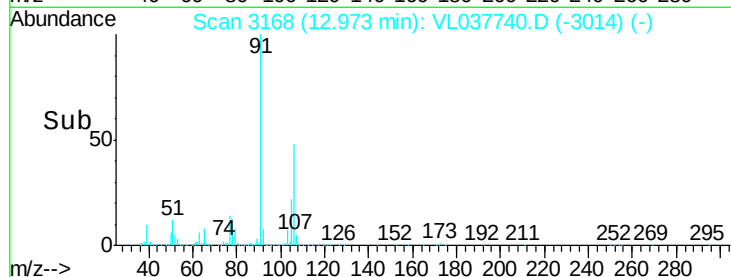
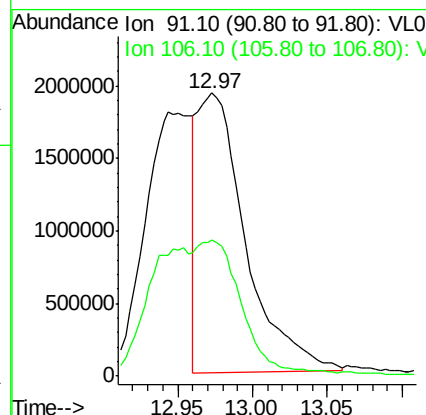
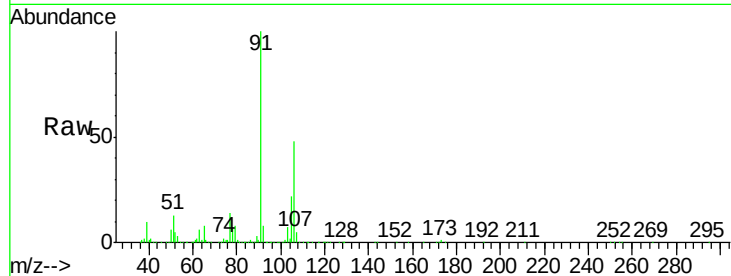




#59
m/p-Xylene
Concen: 7.824 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

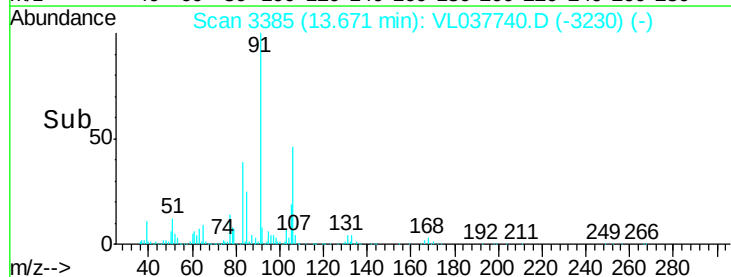
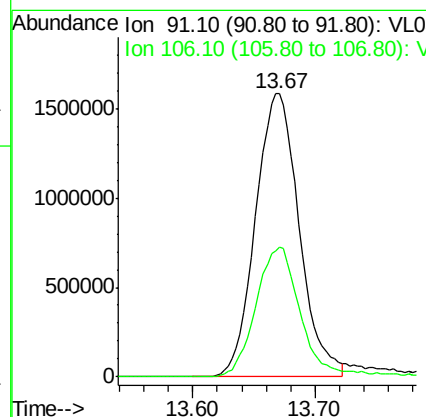
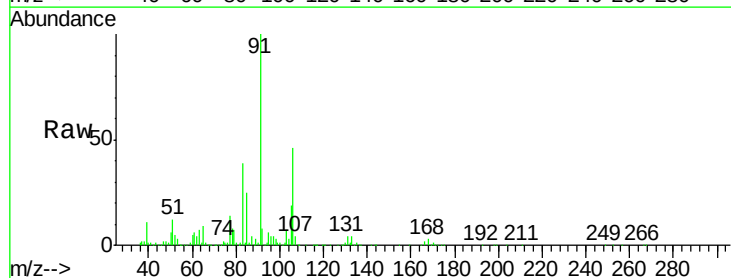
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

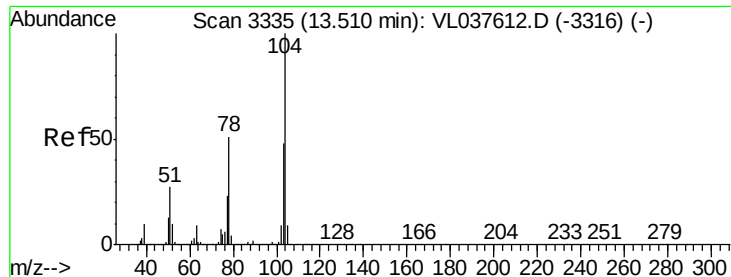
Tgt Ion: 91 Resp: 4291916
Ion Ratio Lower Upper
91 100
106 91.8 36.6 55.0#



#60
o-Xylene
Concen: 7.506 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 91 Resp: 3919119
Ion Ratio Lower Upper
91 100
106 47.3 23.0 69.0





#61

Styrene

Concen: 8.525 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

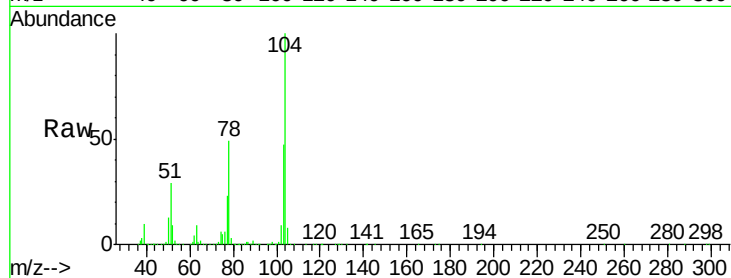
Tgt Ion:104 Resp: 2194933

Ion Ratio Lower Upper

104 100

78 51.6 39.7 59.5

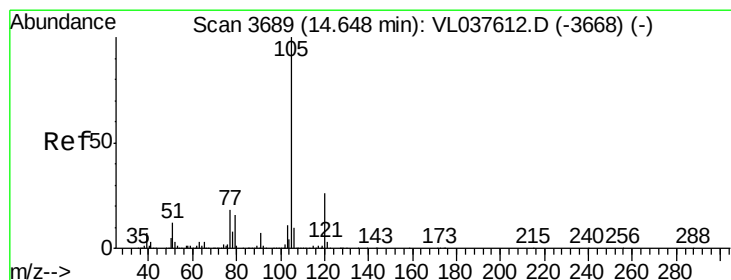
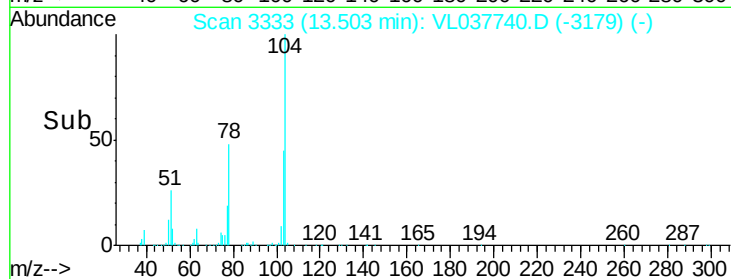
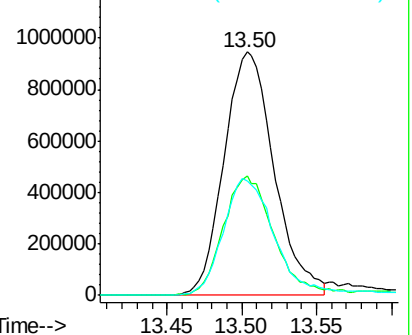
103 50.8 38.8 58.2



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: 7.623 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VL037740.D

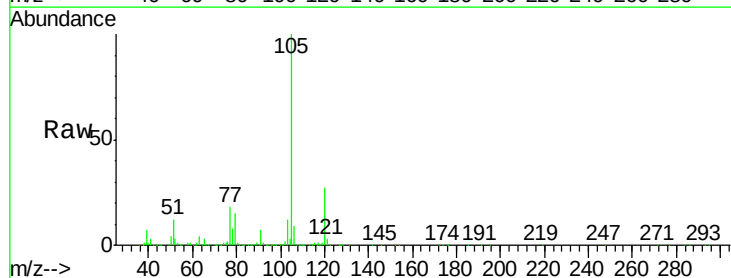
Acq: 1 Oct 2021 12:54

Tgt Ion:105 Resp: 5560383

Ion Ratio Lower Upper

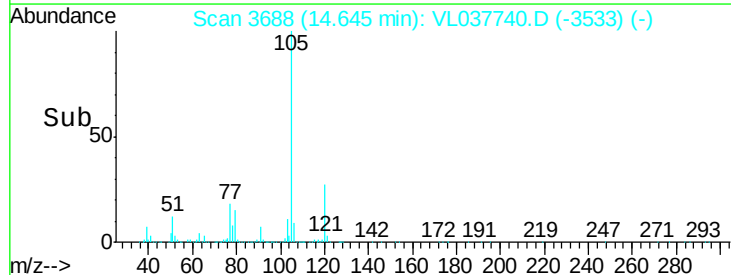
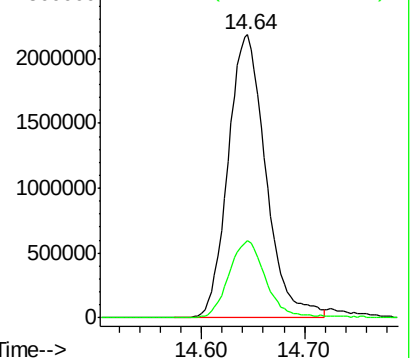
105 100

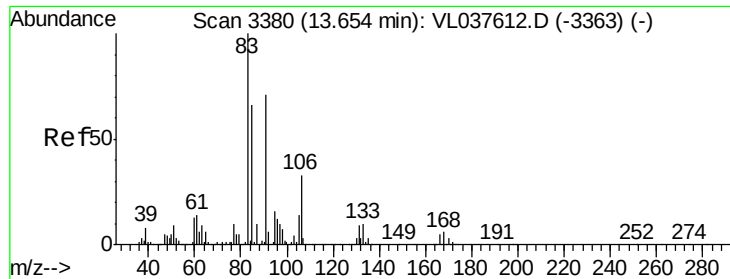
120 27.2 21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

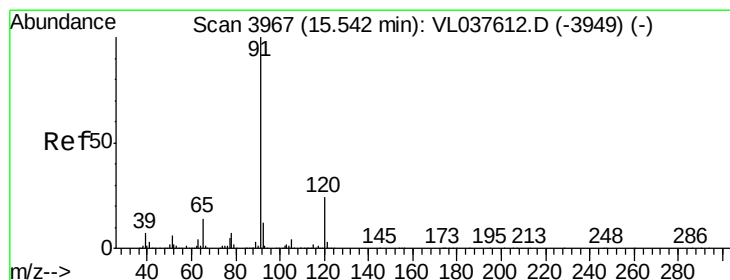
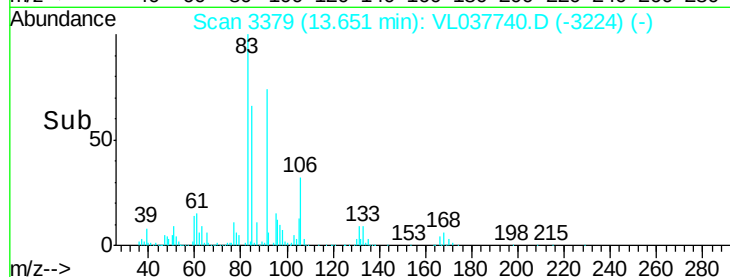
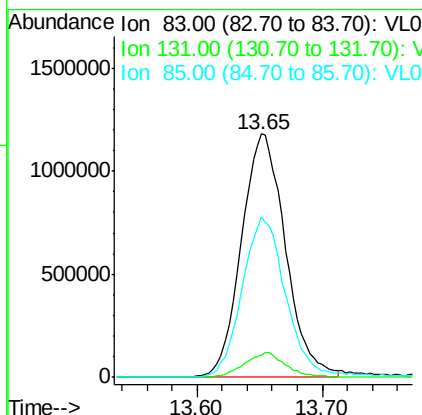
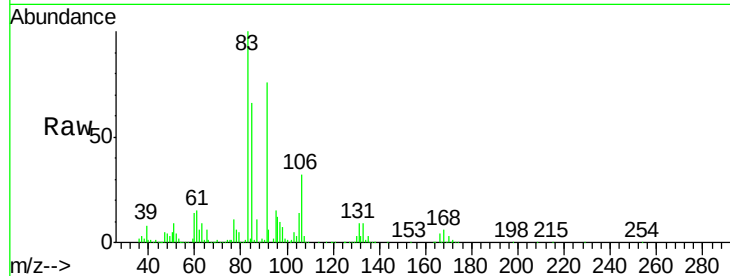




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.021 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

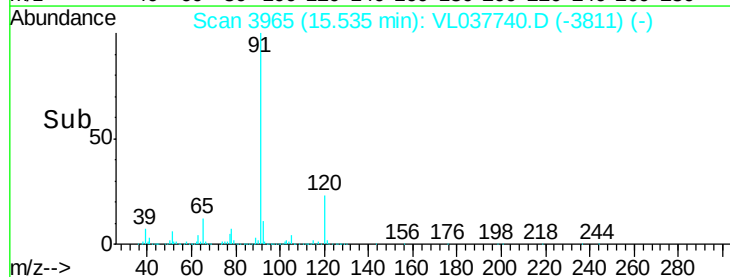
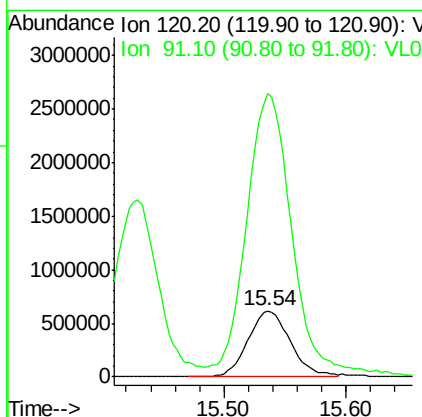
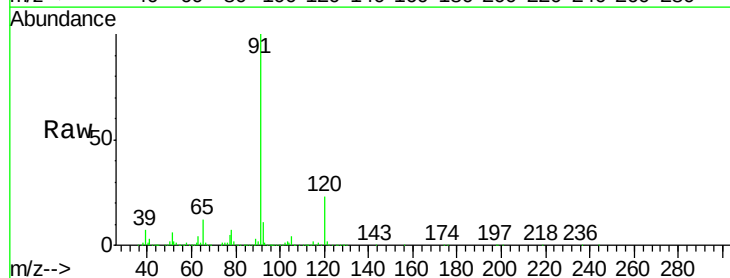
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

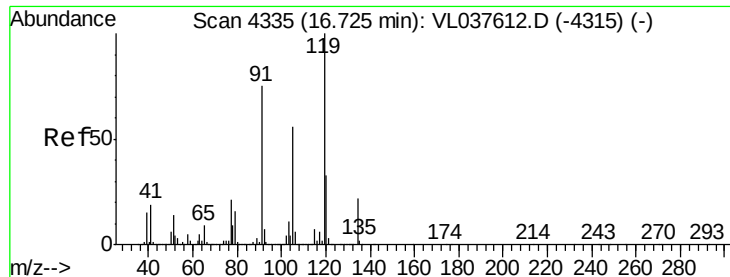
Tgt Ion: 83 Resp: 2868835
 Ion Ratio Lower Upper
 83 100
 131 9.8 5.1 15.3
 85 66.1 33.3 99.9



#64
 n-propylbenzene
 Concen: 7.865 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.01 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion: 120 Resp: 1480386
 Ion Ratio Lower Upper
 120 100
 91 466.5 345.0 517.4





#65

tert-Butylbenzene

Concen: 7.471 ppbv

RT: 16.72 min Scan# 4335

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

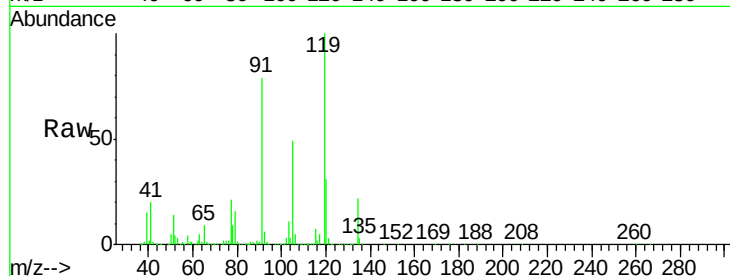
Tgt Ion: 119 Resp: 4913244

Ion Ratio Lower Upper

119 100

91 78.0 61.9 92.9

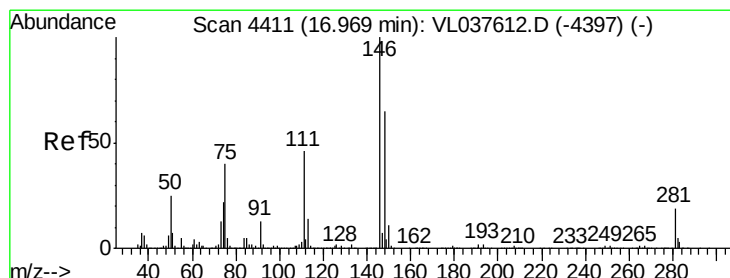
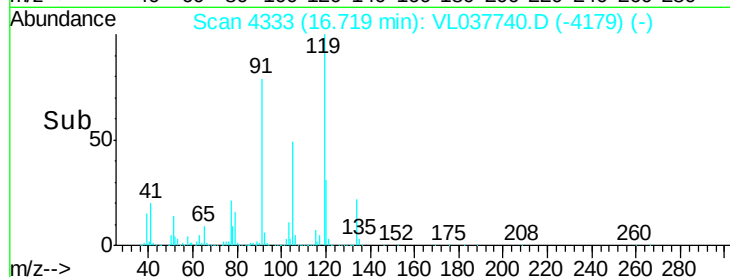
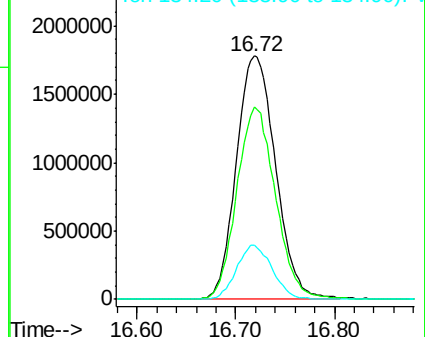
134 20.5 16.5 24.7



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 7.386 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

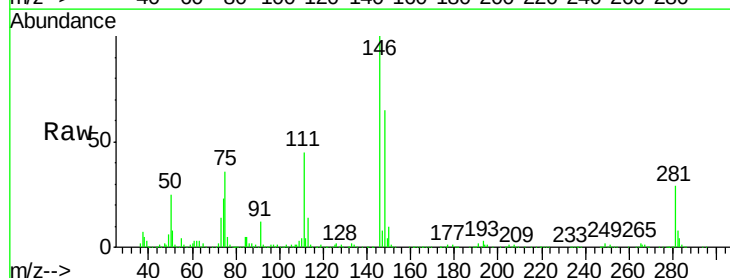
Tgt Ion: 91 Resp: 265437

Ion Ratio Lower Upper

91 100

126 19.9 14.4 21.6

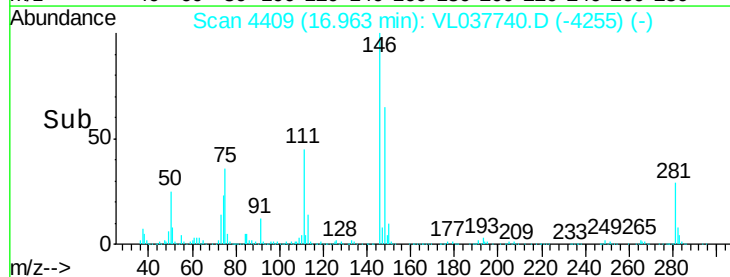
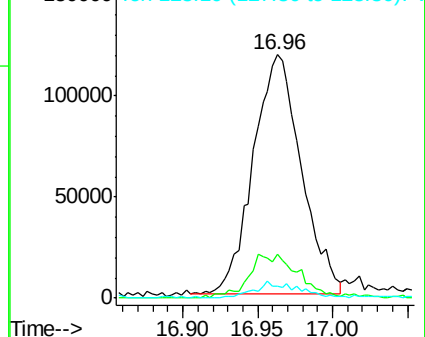
128 6.5 5.7 8.5

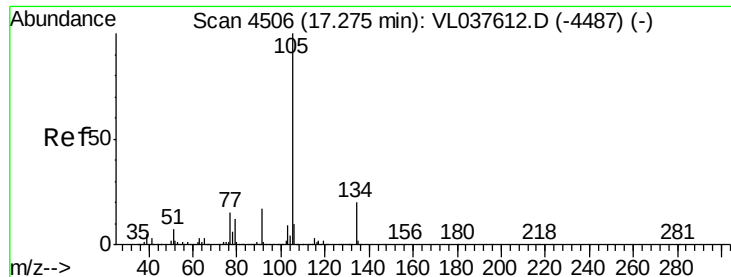


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.661 ppbv

RT: 17.27 min Scan# 4504

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

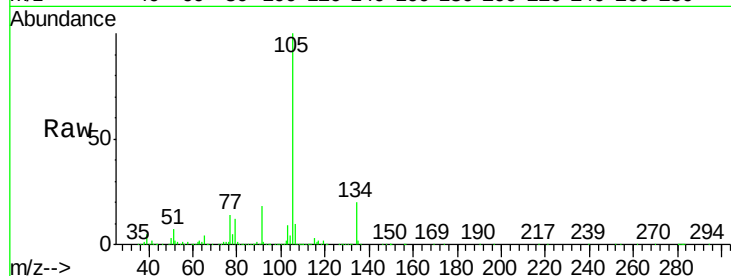
VL1001ABS01

Tgt Ion:105 Resp: 6834984

Ion Ratio Lower Upper

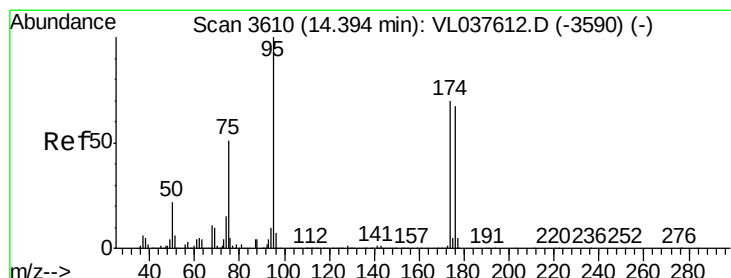
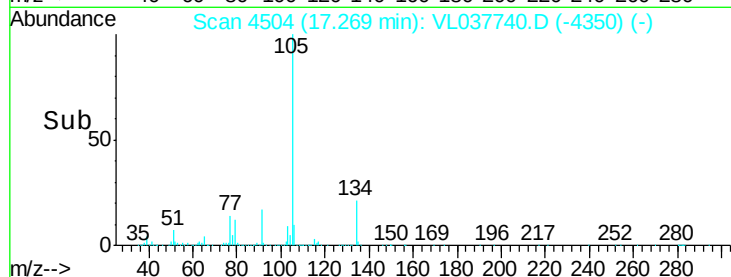
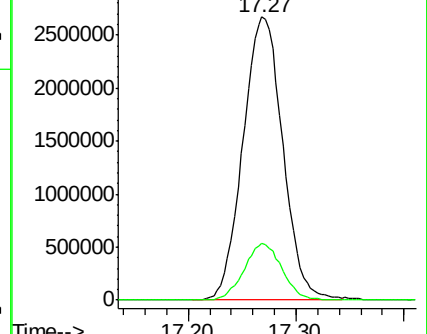
105 100

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: 7.719 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

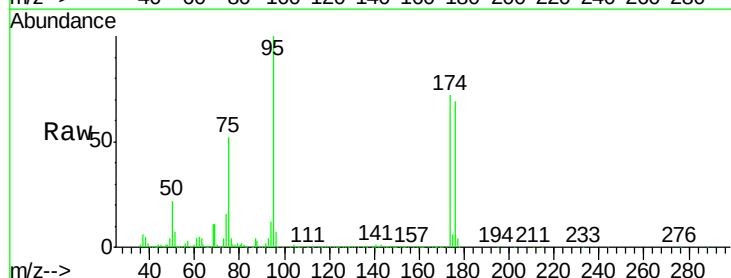
Tgt Ion: 95 Resp: 2645464

Ion Ratio Lower Upper

95 100

174 75.9 56.3 84.5

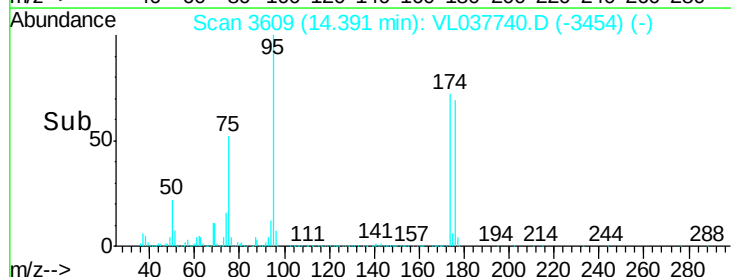
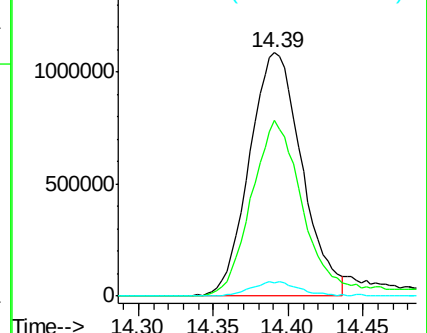
175 6.0 4.4 6.6

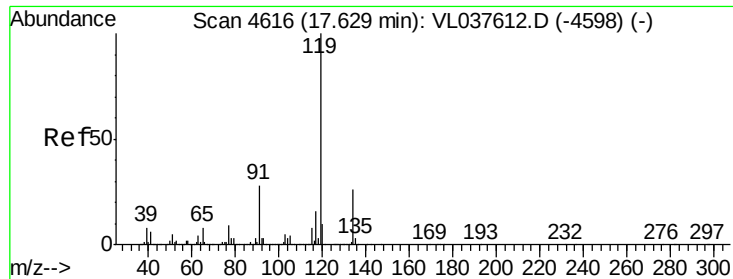


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.768 ppbv

RT: 17.63 min Scan# 4615

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

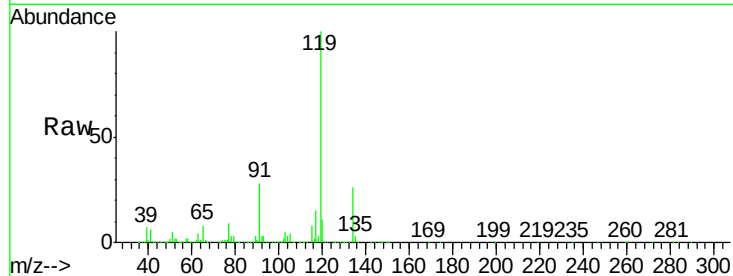
Tgt Ion:119 Resp: 5662584

Ion Ratio Lower Upper

119 100

134 26.6 21.2 31.8

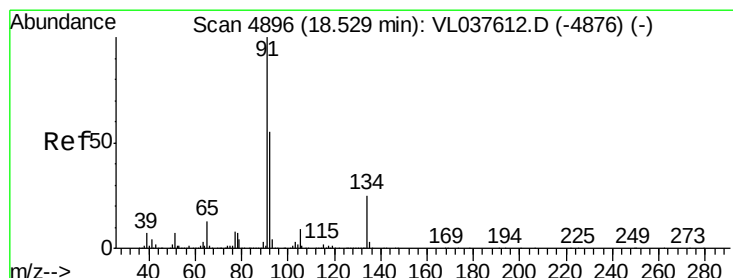
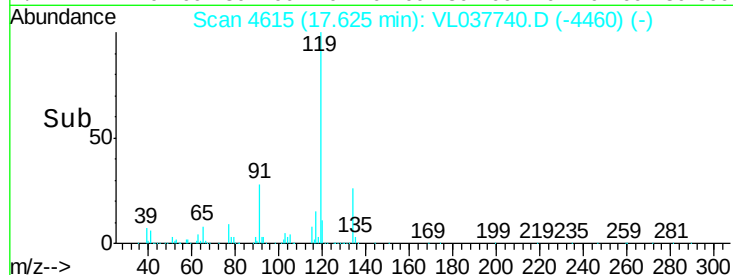
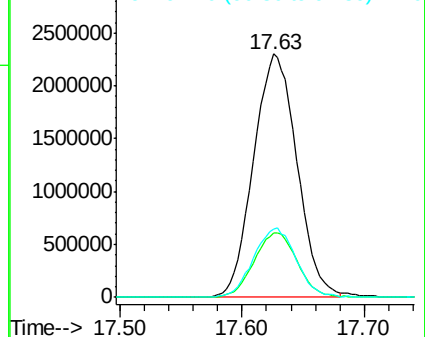
91 28.2 22.2 33.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.047 ppbv

RT: 18.52 min Scan# 4894

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

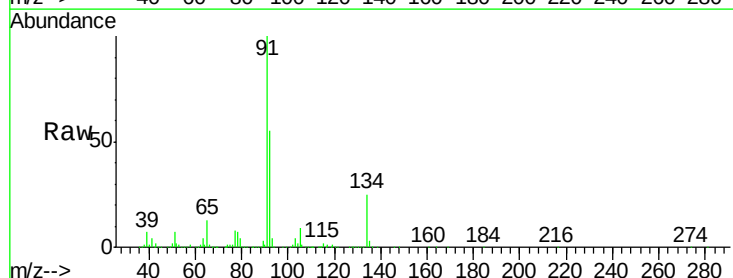
Tgt Ion: 91 Resp: 5549705

Ion Ratio Lower Upper

91 100

92 54.2 44.0 66.0

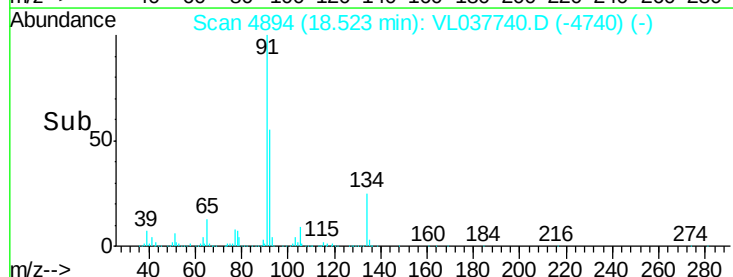
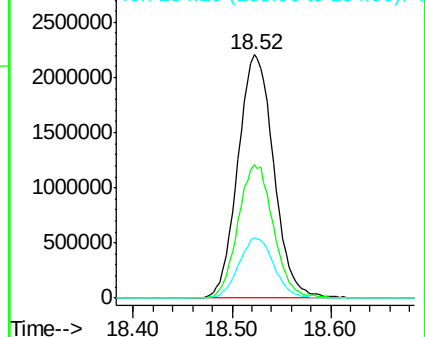
134 24.4 19.5 29.3

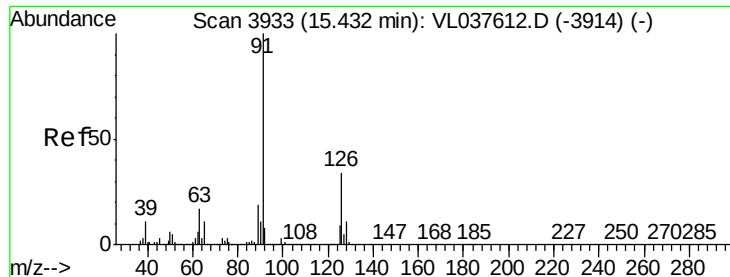


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.820 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

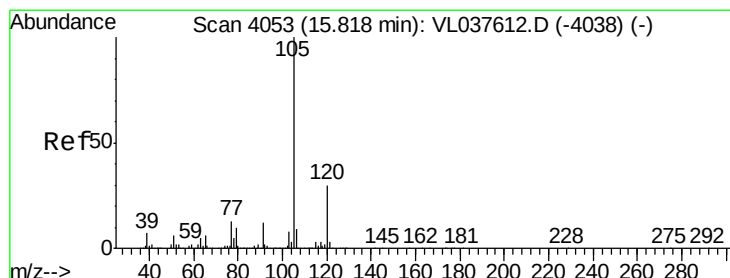
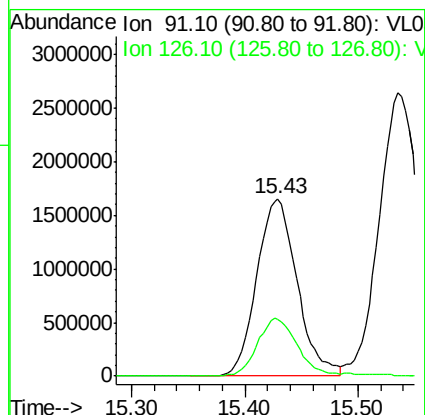
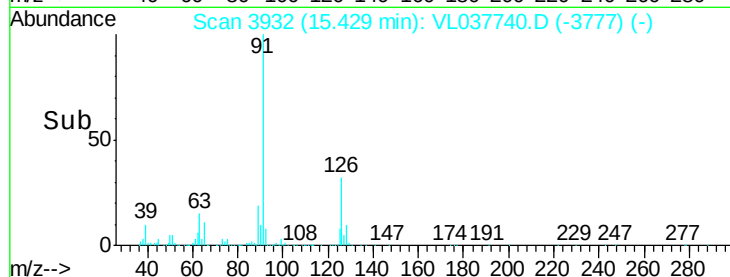
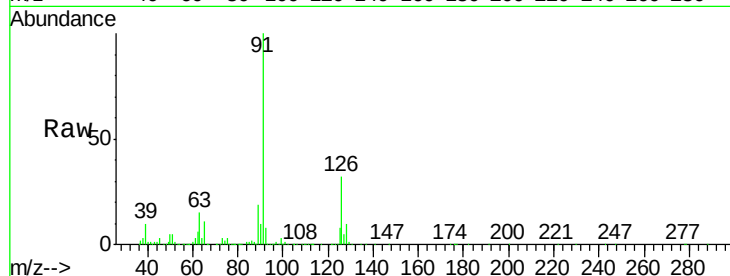
VL1001ABS01

Tgt Ion: 91 Resp: 4087820

Ion Ratio Lower Upper

91 100

126 33.7 13.2 52.8



#72

4-Ethyltoluene

Concen: 7.875 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion: 105 Resp: 4719974

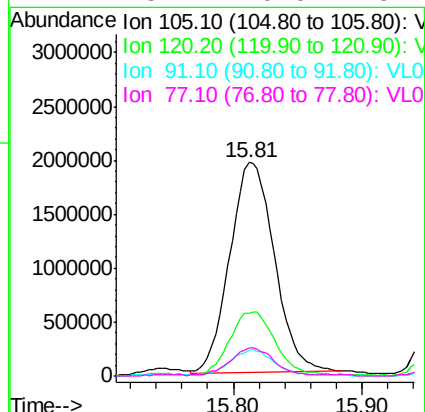
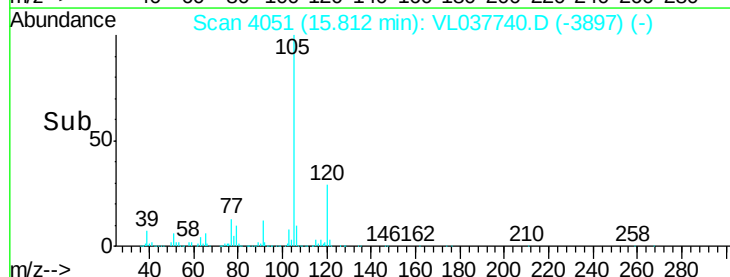
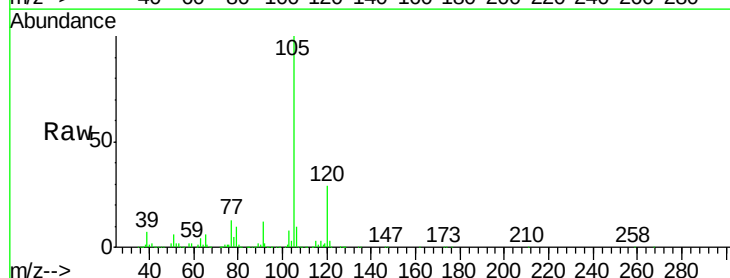
Ion Ratio Lower Upper

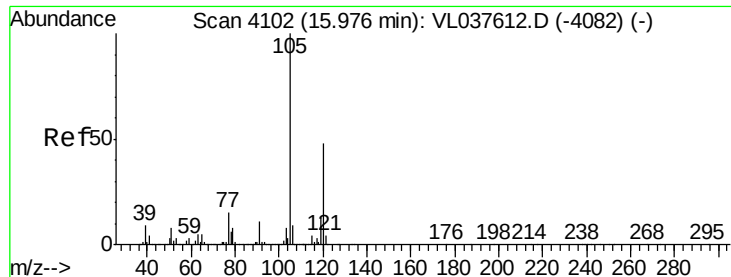
105 100

120 32.0 24.7 37.1

91 12.0 9.9 14.9

77 13.7 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 7.640 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

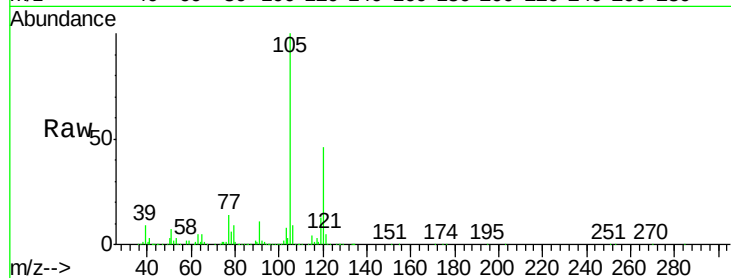
VL1001ABS01

Tgt Ion:105 Resp: 4268203

Ion Ratio Lower Upper

105 100

120 45.7 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

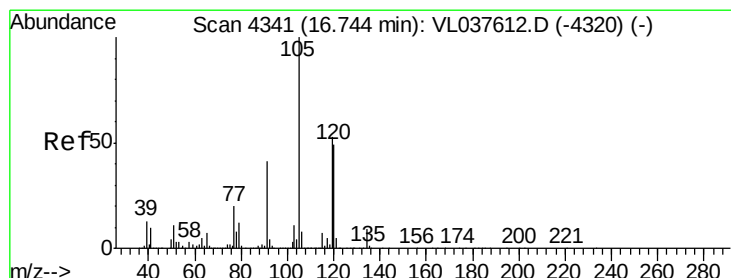
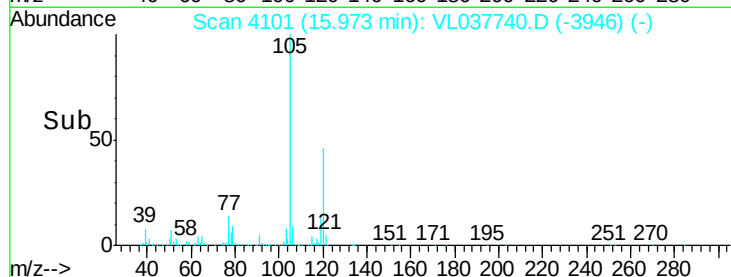
500000

0

15.90

16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.590 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion:105 Resp: 4466144

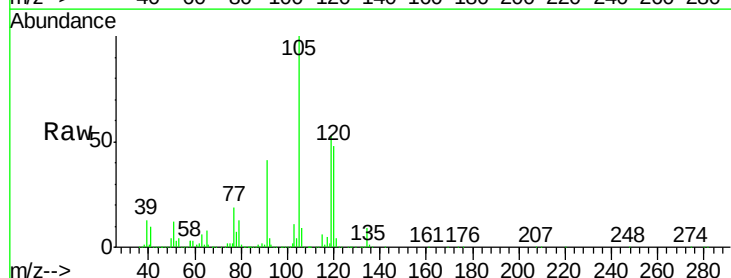
Ion Ratio Lower Upper

105 100

120 47.9 39.4 59.0

91 40.4 33.3 49.9

77 19.2 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

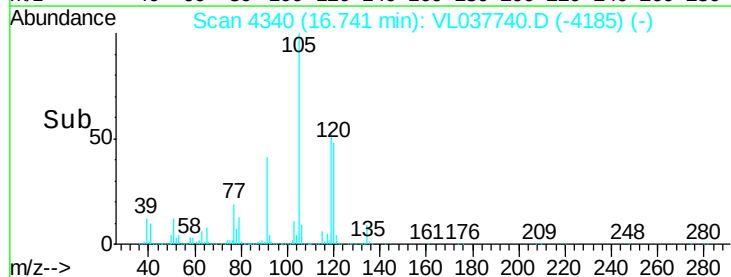
0

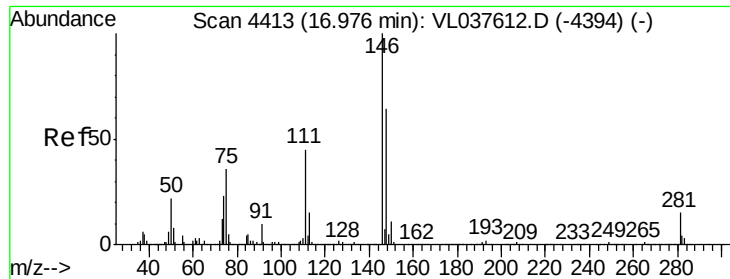
16.74

16.70

16.80

Time-->

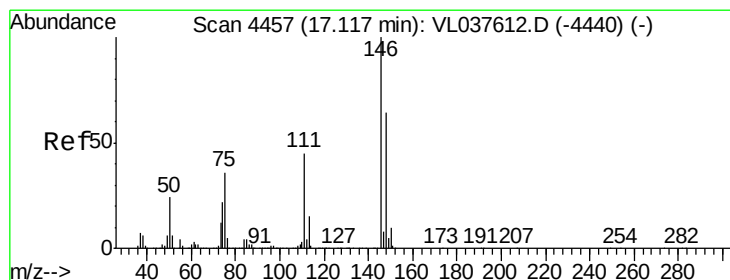
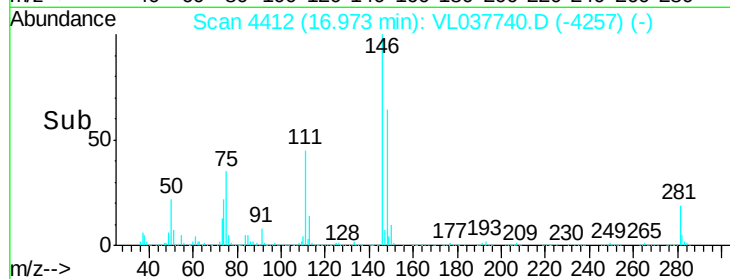
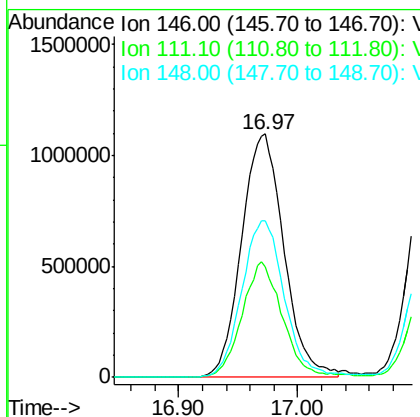
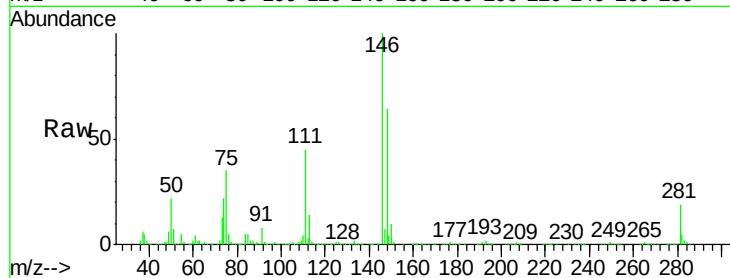




#75
 1,3-Dichlorobenzene
 Concen: 7.393 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

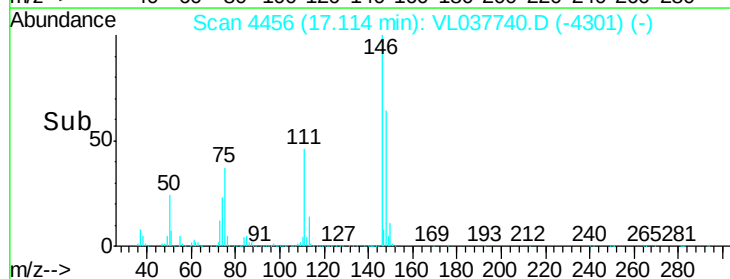
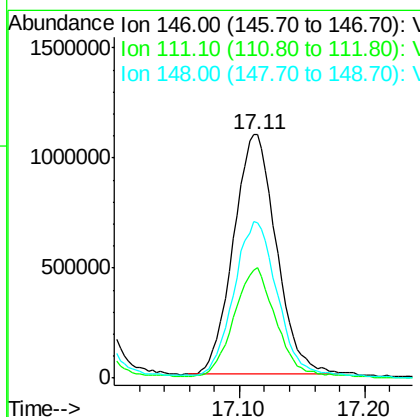
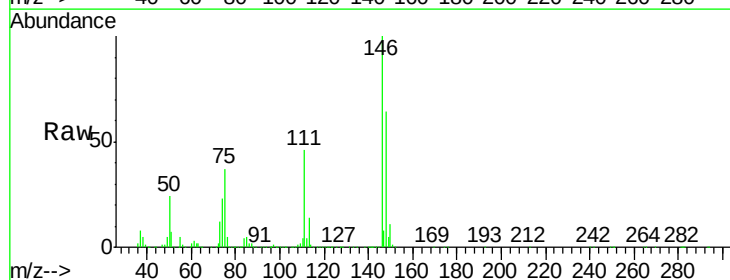
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

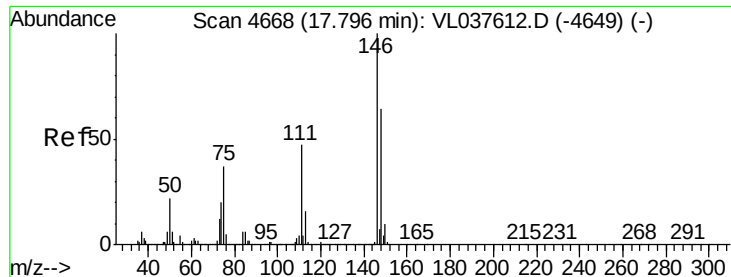
Tgt Ion:146 Resp: 2702730
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.8 68.3
 148 65.0 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.197 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion:146 Resp: 2594952
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.5 67.5
 148 68.0 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 7.575 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

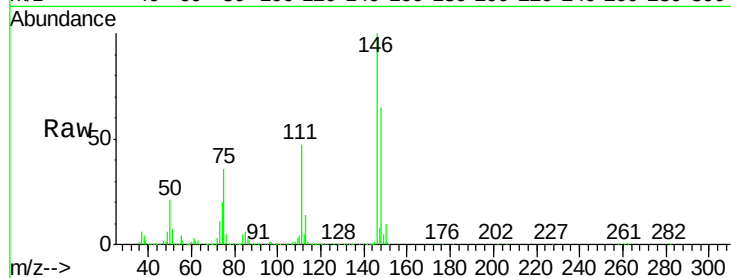
Tgt Ion:146 Resp: 2626794

Ion Ratio Lower Upper

146 100

111 46.5 24.0 72.0

148 64.6 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

