

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102021\
 Data File : VL037887.D
 Acq On : 20 Oct 2021 14:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Oct 21 01:32:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1234044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3627040	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4225646	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2293838	7.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1842764	9.349	ppbv	99
3) Chlorodifluoromethane	2.99	51	2527404	10.659	ppbv	99
4) Chloromethane	3.14	50	961685	11.073	ppbv	97
5) Vinyl Chloride	3.26	62	959659	12.054	ppbv	98
6) Bromomethane	3.47	94	448044	10.404	ppbv	99
7) Chloroethane	3.56	64	335940	11.476	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	2120697	10.885	ppbv	99
9) Propene	3.01	41	926435	10.619	ppbv	96
10) Heptane	8.12	43	2361618	11.919	ppbv	100
11) Trichlorofluoromethane	3.95	101	1892469	10.761	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1412288	10.599	ppbv	98
13) Ethanol	3.61	45	44398	6.223	ppbv #	55
14) Bromoethene	3.74	108	650076	11.096	ppbv	98
15) Acetone	3.85	43	1355359	12.235	ppbv	99
16) 1,3-Butadiene	3.33	39	938449	11.643	ppbv	99
17) tert-Butyl alcohol	4.28	59	1357763	11.900	ppbv	100
18) 1,1-Dichloroethene	4.29	96	670337	11.070	ppbv	96
19) Isopropyl Alcohol	3.96	45	802812	11.649	ppbv #	97
20) Methylene Chloride	4.34	84	564810	10.091	ppbv	97
21) Allyl Chloride	4.41	41	1064114	10.843	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	677834	11.134	ppbv	98
23) Vinyl Acetate	5.07	43	2085006	12.559	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1367362	11.315	ppbv	99
25) Ethyl Acetate	5.68	43	3634085	11.690	ppbv	99
26) Hexane	5.69	57	1729054	11.296	ppbv	100
27) Carbon Disulfide	4.55	76	1657757	12.220	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1353251	10.618	ppbv	100
29) Chloroform	5.75	83	2363145	10.800	ppbv	99
30) Cyclohexane	7.13	84	1422358	10.958	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1563061	11.248	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2245103	10.823	ppbv	100
34) 2-Butanone	5.24	43	1651248	11.277	ppbv	100
35) Carbon Tetrachloride	7.02	117	2344706	11.383	ppbv	98
36) Benzene	6.89	78	3498260	11.292	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1657079	11.360	ppbv	99
38) Trichloroethene	7.83	130	1387949	11.340	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1363979	11.705	ppbv	96
40) 1,4-Dioxane	7.84	88	267066	9.159	ppbv #	100
41) Tetrahydrofuran	6.05	42	856245	11.942	ppbv	98
42) Bromodichloromethane	7.79	83	2524605	11.783	ppbv	100
43) Methyl Methacrylate	8.01	69	1267873	12.530	ppbv	98

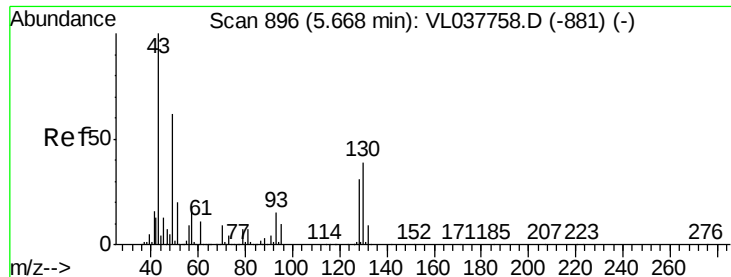
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102021\
 Data File : VL037887.D
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Quant Time: Oct 21 01:32:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5911142	11.357	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	852200	12.240	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1164918	12.071	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1428989	11.281	ppbv	97
48) Dibromochloromethane	10.30	129	2221211	12.300	ppbv	99
49) Bromoform	13.04	173	1829103	13.237	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2360620	12.384	ppbv	99
51) 2-Hexanone	10.14	43	1076497	12.650	ppbv #	99
52) Tetrachloroethene	11.22	164	1303337	10.813	ppbv	99
53) Toluene	9.81	91	4103128	11.951	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1977954	11.559	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1562325	8.931	ppbv	97
57) Chlorobenzene	12.15	112	2984954	8.611	ppbv	99
58) Ethyl Benzene	12.71	91	5172178	9.115	ppbv	98
59) m/p-Xylene	13.00	91	4677456	9.603	ppbv #	37
60) o-Xylene	13.69	91	4105909	8.796	ppbv	99
61) Styrene	13.53	104	2280394	10.100	ppbv	99
62) Isopropylbenzene	14.66	105	5657543	8.689	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2999280	8.327	ppbv	98
64) n-propylbenzene	15.56	120	1496327	9.216	ppbv	94
65) tert-Butylbenzene	16.74	119	5092493	8.888	ppbv	99
66) Benzyl Chloride	16.98	91	258148	9.130	ppbv #	94
67) sec-Butylbenzene	17.29	105	7130376	9.100	ppbv	100
69) p-Isopropyltoluene	17.65	119	6008041	9.484	ppbv	100
70) n-Butylbenzene	18.54	91	6036486	10.030	ppbv	100
71) 2-Chlorotoluene	15.45	91	4143752	9.013	ppbv	99
72) 4-Ethyltoluene	15.84	105	5017580	9.467	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	4409371	9.159	ppbv	94
74) 1,2,4-Trimethylbenzene	16.76	105	4654346	9.206	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	2861203	9.135	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2884498	9.654	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2838592	9.434	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2077704	8.457	ppbv	99
79) Naphthalene	22.19	128	3524016	11.382	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	884528	10.639	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	2099171	10.600	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

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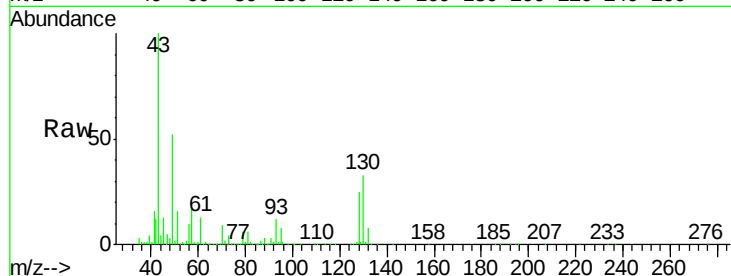
Tgt Ion: 49 Resp: 1234044

Ion Ratio Lower Upper

49 100

128 53.3 27.1 81.3

130 66.2 33.2 99.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

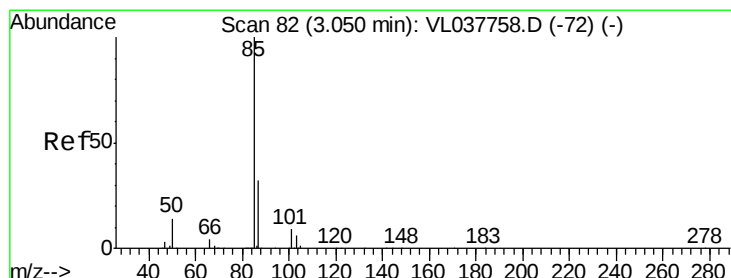
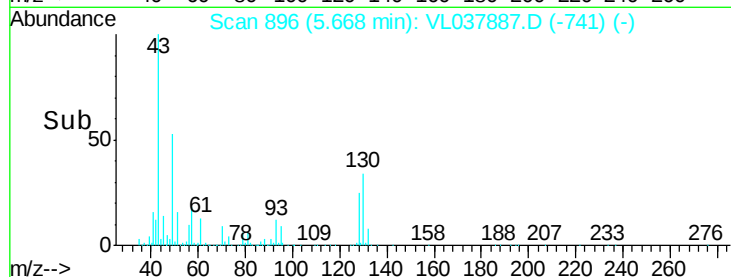
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.349 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL037887.D

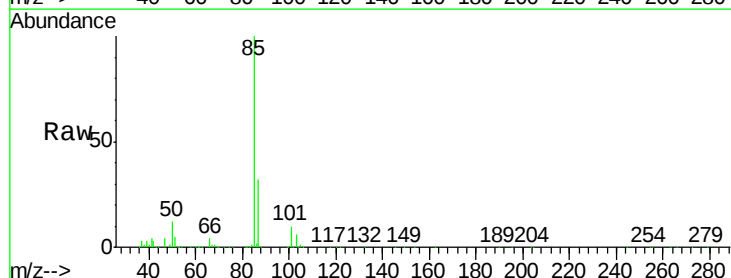
Acq: 20 Oct 2021 14:41

Tgt Ion: 85 Resp: 1842764

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

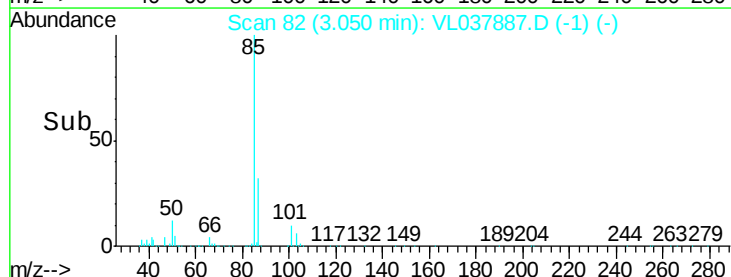
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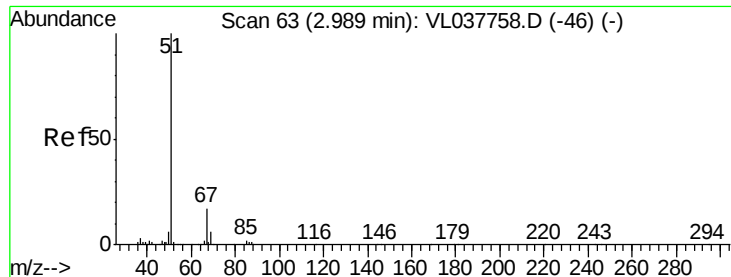
1000000

500000

0

Time-->





#3

Chlorodifluoromethane

Concen: 10.659 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

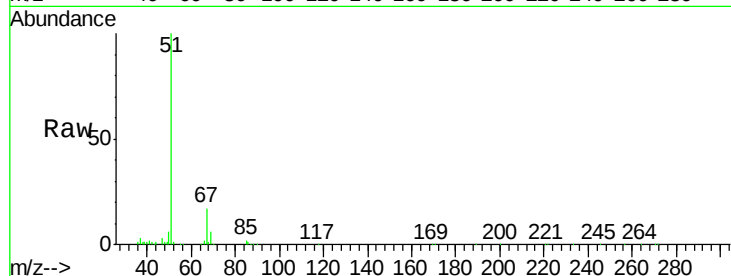
Acq: 20 Oct 2021 14:41 VSTDCCC010EC

Tgt Ion: 51 Resp: 2527404

Ion Ratio Lower Upper

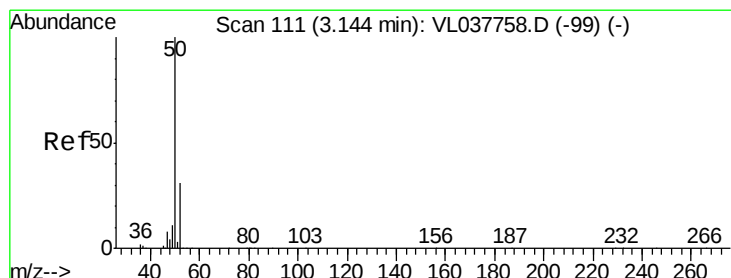
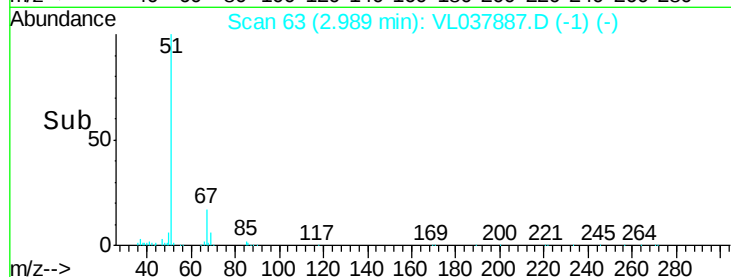
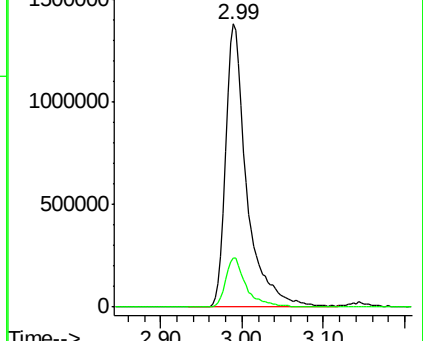
51 100

67 17.3 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.073 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL037887.D

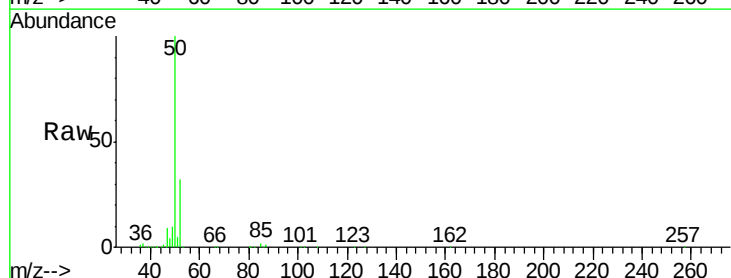
Acq: 20 Oct 2021 14:41

Tgt Ion: 50 Resp: 961685

Ion Ratio Lower Upper

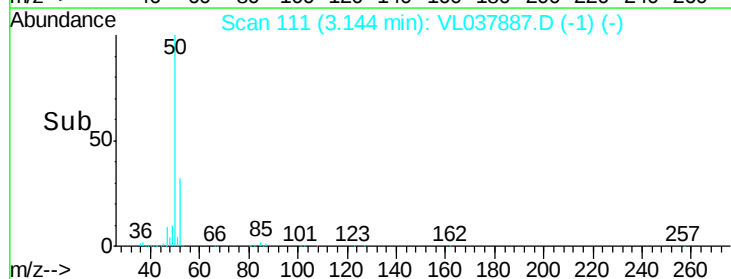
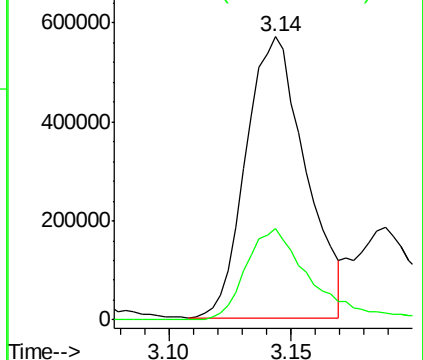
50 100

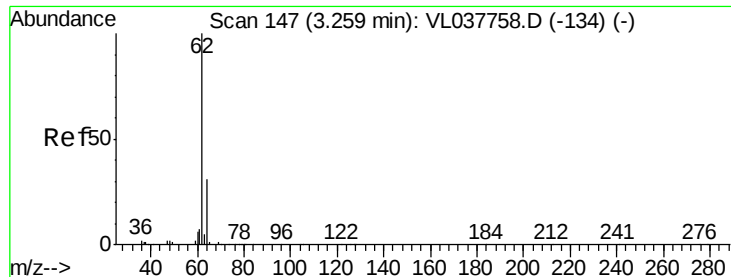
52 32.3 24.4 36.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.054 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

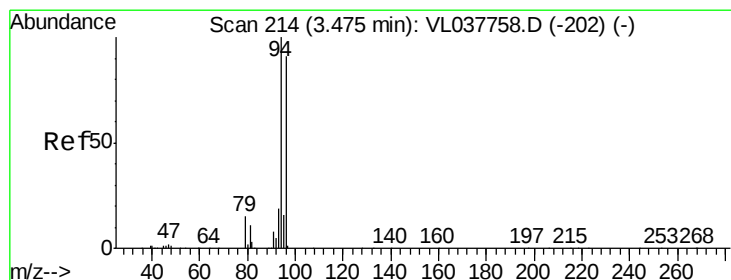
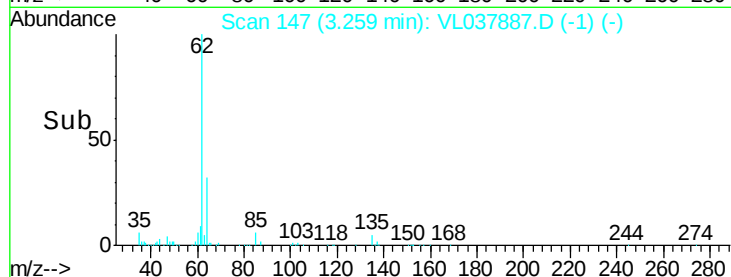
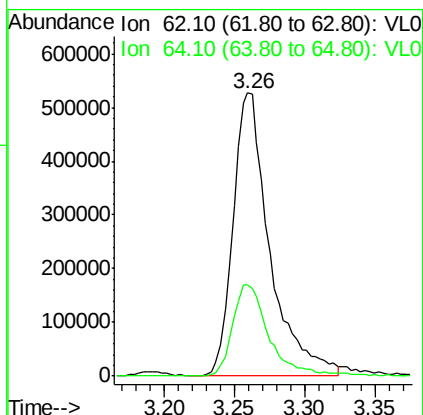
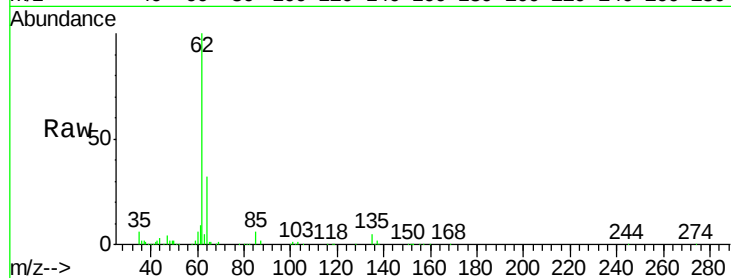
Acq: 20 Oct 2021 14:41

Tgt Ion: 62 Resp: 959659

Ion Ratio Lower Upper

62 100

64 32.2 24.9 37.3



#6

Bromomethane

Concen: 10.404 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL037887.D

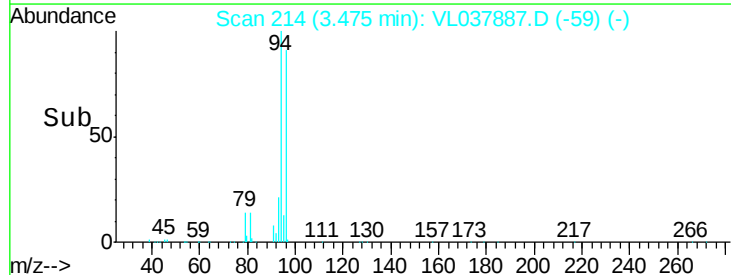
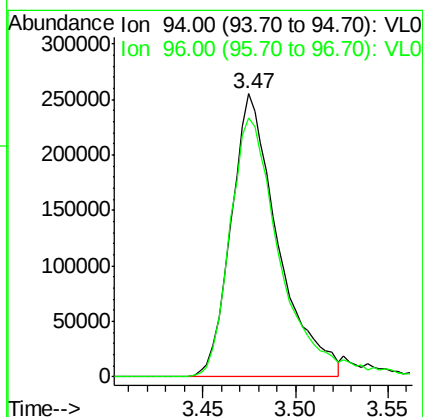
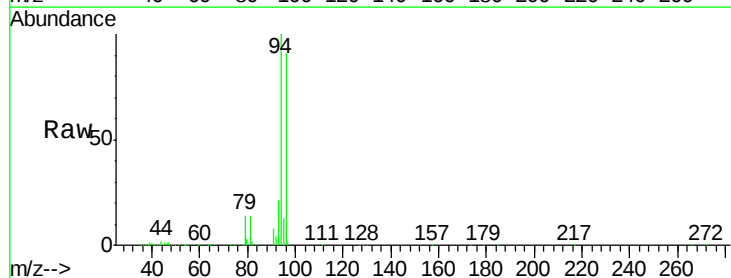
Acq: 20 Oct 2021 14:41

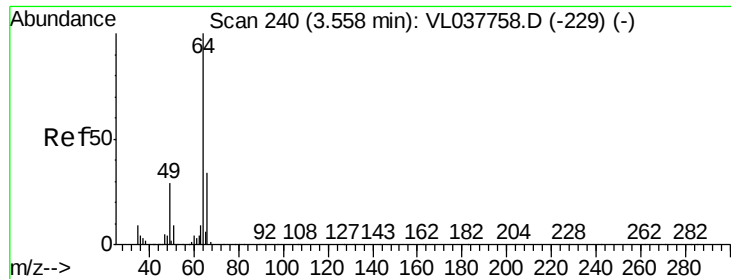
Tgt Ion: 94 Resp: 448044

Ion Ratio Lower Upper

94 100

96 91.2 72.5 108.7





#7

Chloroethane

Concen: 11.476 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

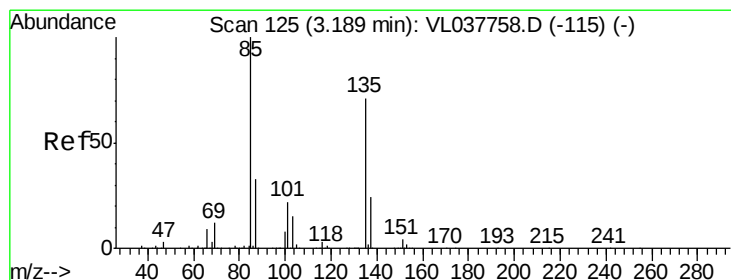
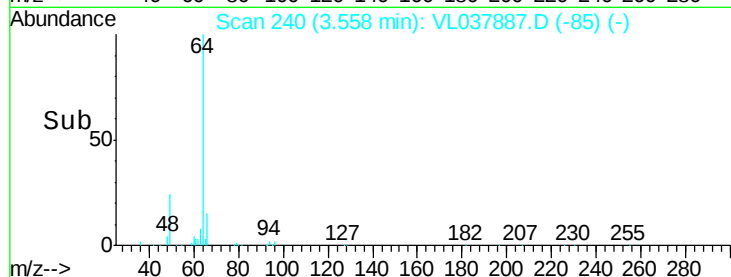
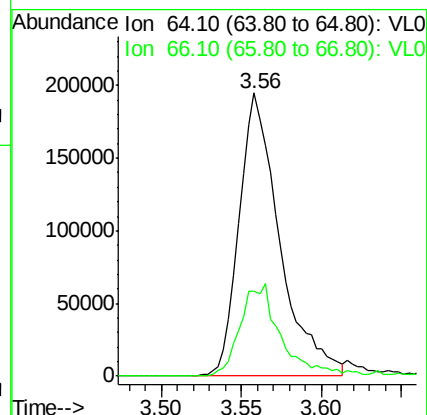
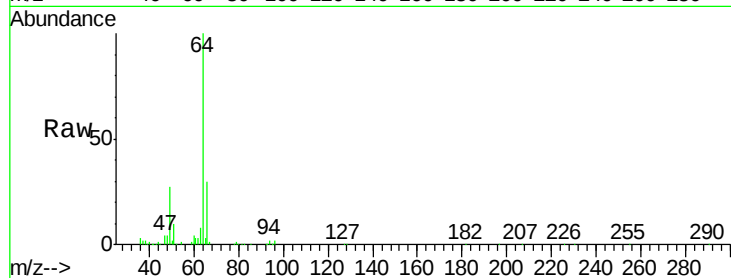
Acq: 20 Oct 2021 14:41 VSTDCCC010EC

Tgt Ion: 64 Resp: 335940

Ion Ratio Lower Upper

64 100

66 29.9 27.5 41.3



#8

Dichlorotetrafluoroethane

Concen: 10.885 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL037887.D

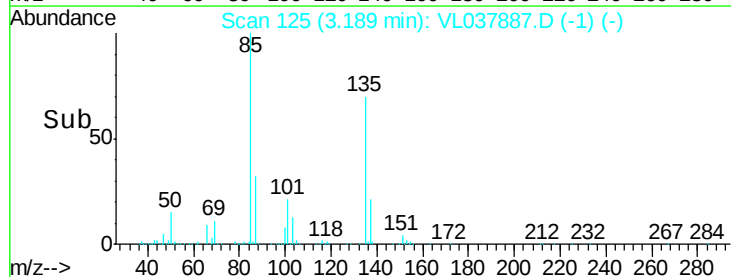
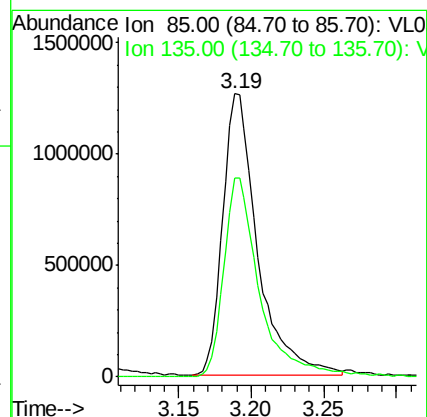
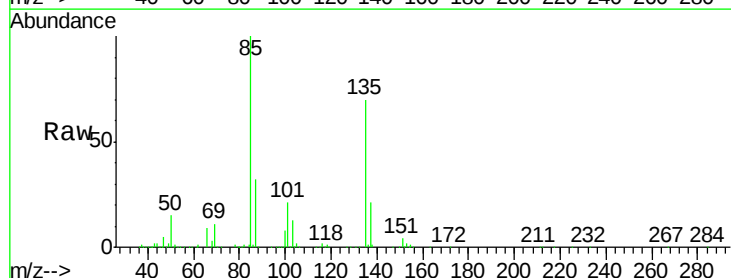
Acq: 20 Oct 2021 14:41

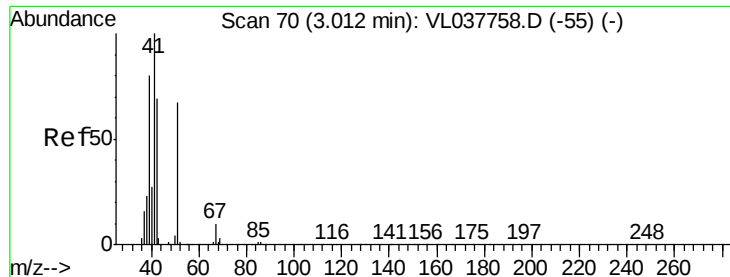
Tgt Ion: 85 Resp: 2120697

Ion Ratio Lower Upper

85 100

135 73.3 59.5 89.3





#9

Propene

Concen: 10.619 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

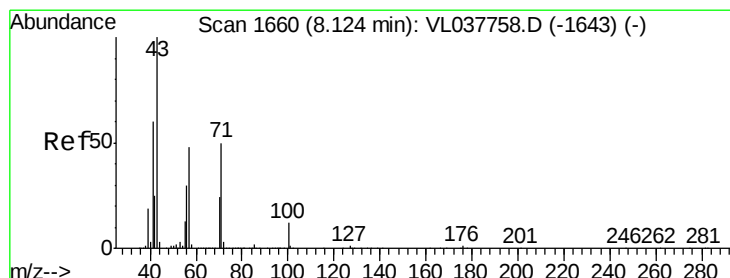
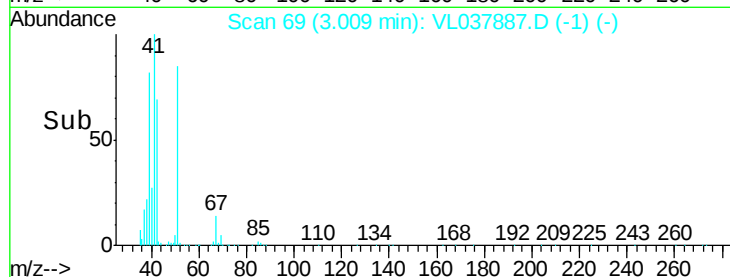
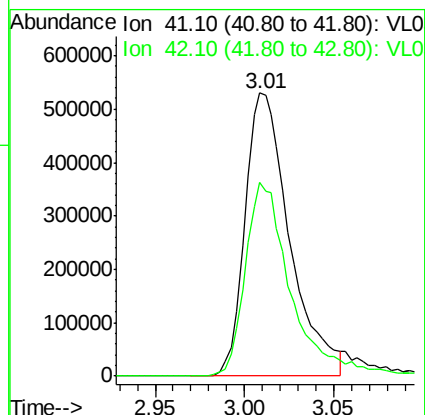
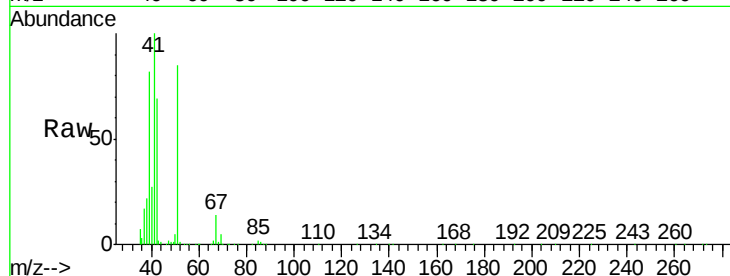
Acq: 20 Oct 2021 14:41

Tgt Ion: 41 Resp: 926435

Ion Ratio Lower Upper

41 100

42 71.3 54.2 81.2



#10

Heptane

Concen: 11.919 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VL037887.D

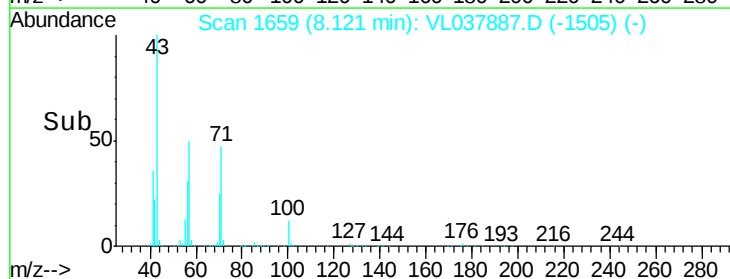
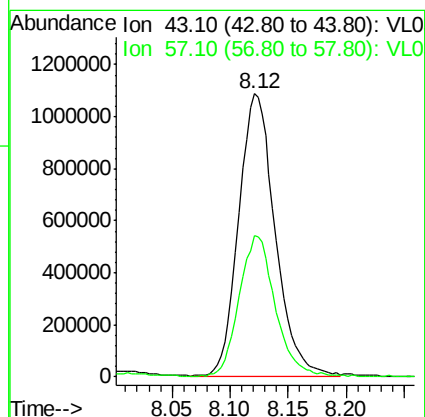
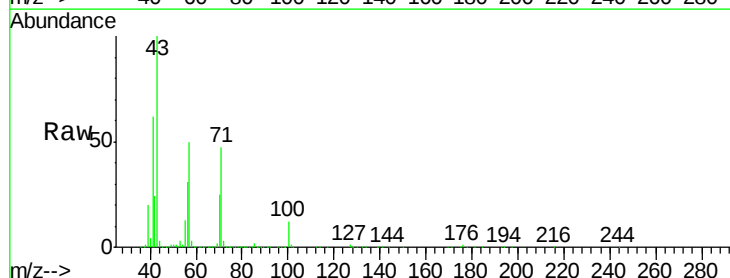
Acq: 20 Oct 2021 14:41

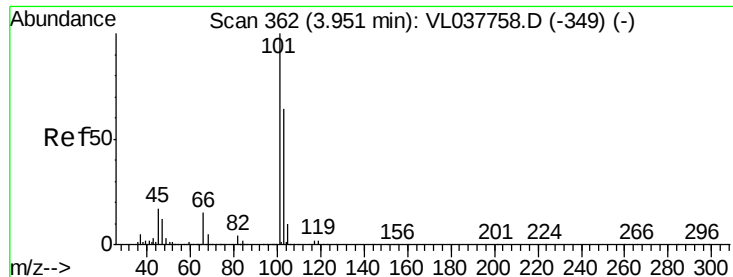
Tgt Ion: 43 Resp: 2361618

Ion Ratio Lower Upper

43 100

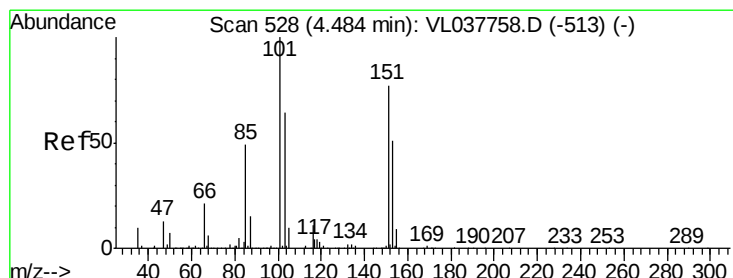
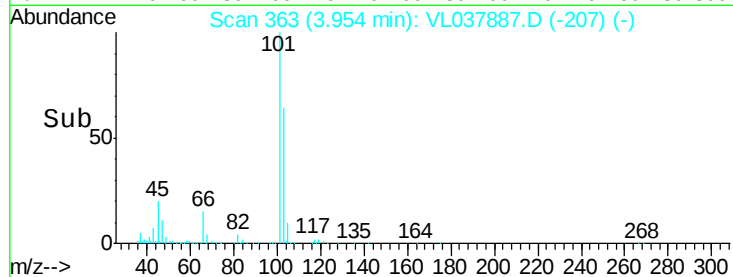
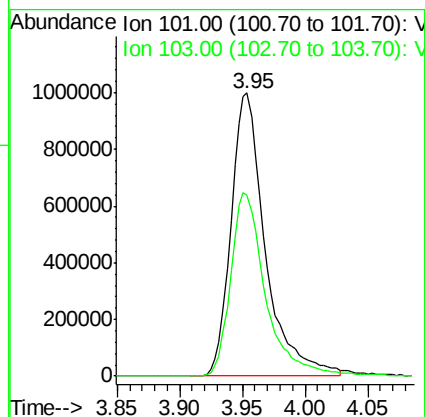
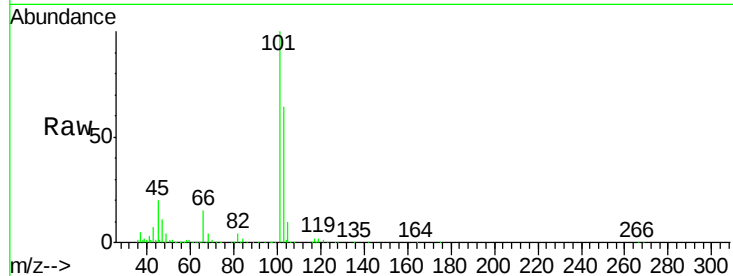
57 50.3 40.0 60.0





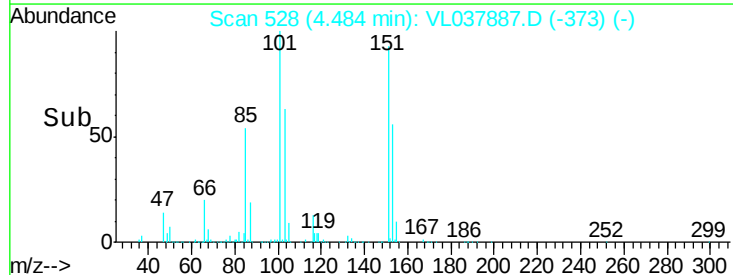
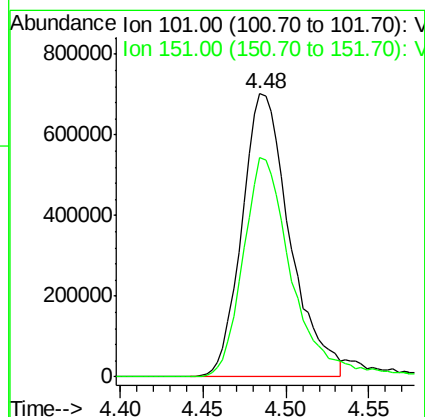
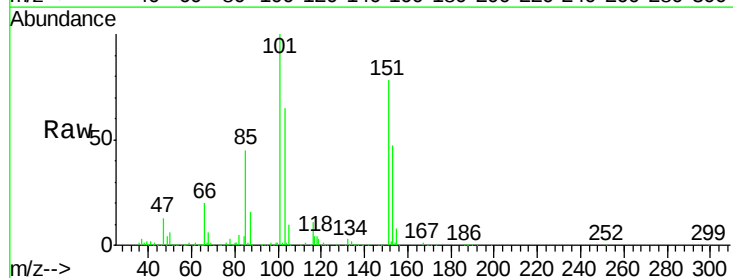
#11
 Trichlorofluoromethane
 Concen: 10.761 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

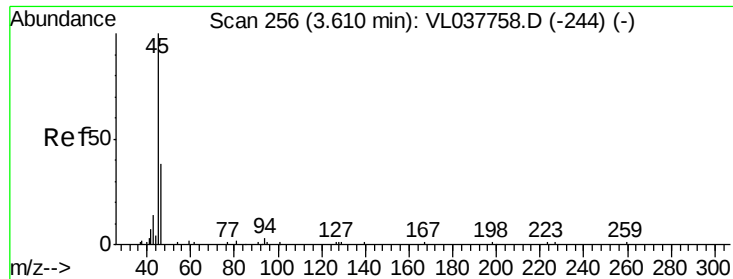
Tgt Ion:101 Resp: 1892469
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.599 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL037887.D
 Acq: 20 Oct 2021 14:41

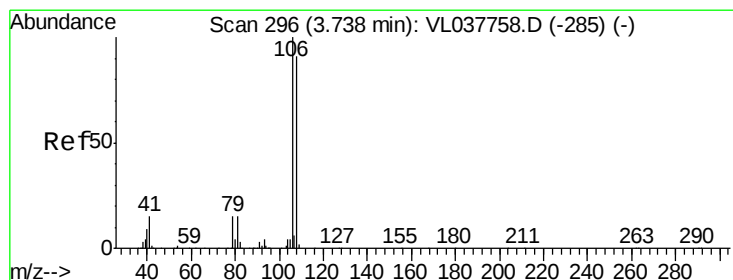
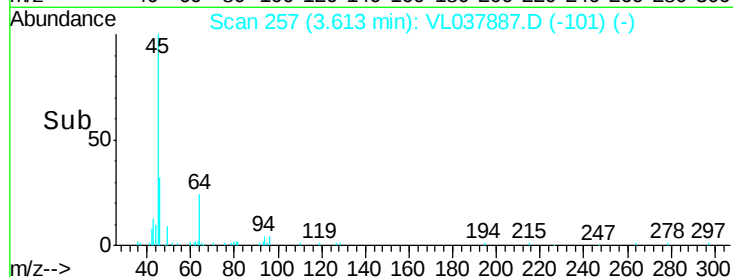
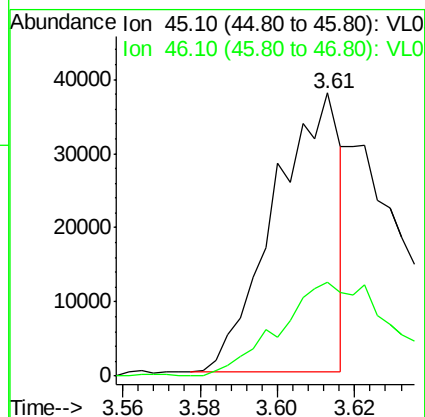
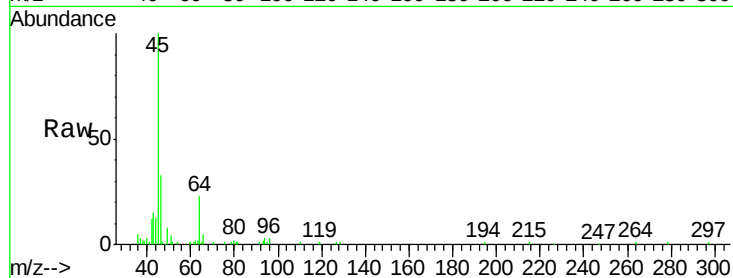
Tgt Ion:101 Resp: 1412288
 Ion Ratio Lower Upper
 101 100
 151 79.9 62.9 94.3





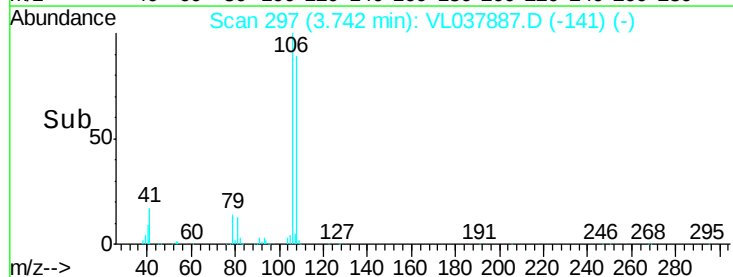
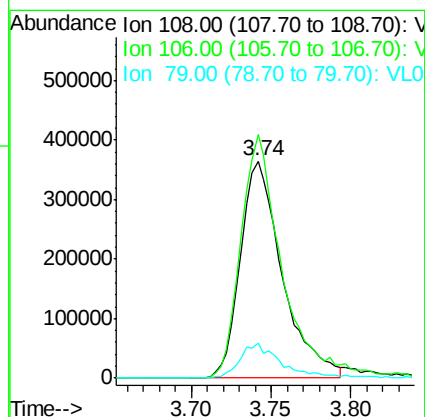
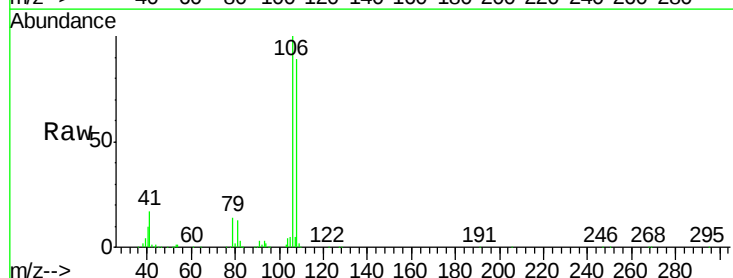
#13
 Ethanol
 Concen: 6.223 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

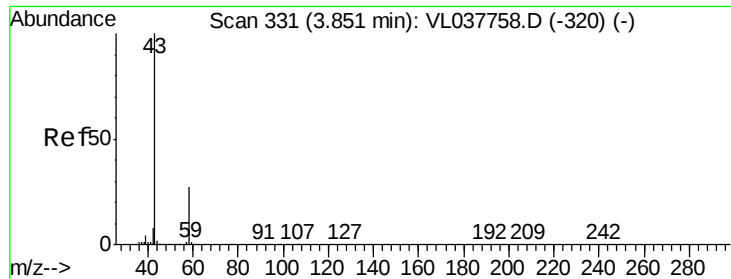
Tgt Ion: 45 Resp: 44398
 Ion Ratio Lower Upper
 45 100
 46 81.5 20.2 81.0#



#14
 Bromoethene
 Concen: 11.096 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T. 0.00 min
 Lab File: VL037887.D
 Acq: 20 Oct 2021 14:41

Tgt Ion: 108 Resp: 650076
 Ion Ratio Lower Upper
 108 100
 106 113.2 91.9 137.9
 79 16.6 13.9 20.9





#15

Acetone

Concen: 12.235 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

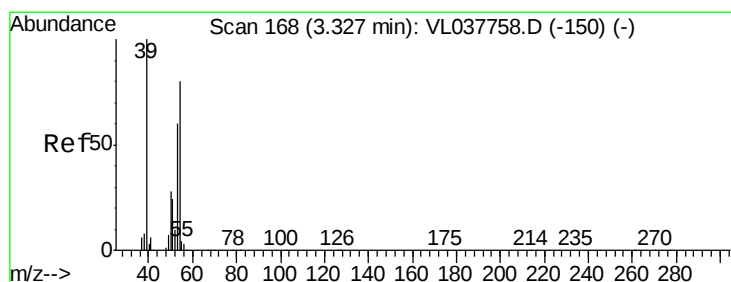
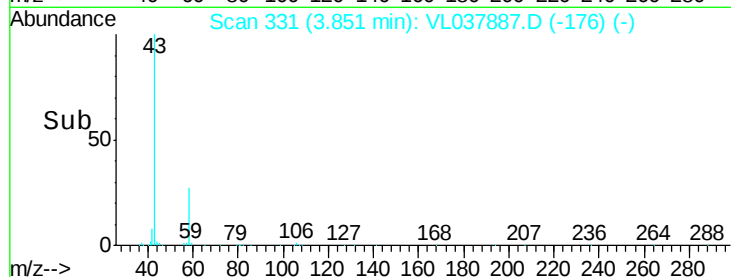
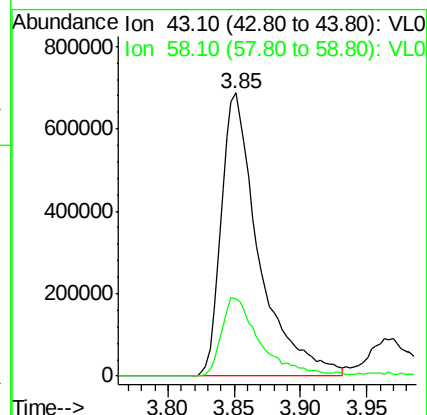
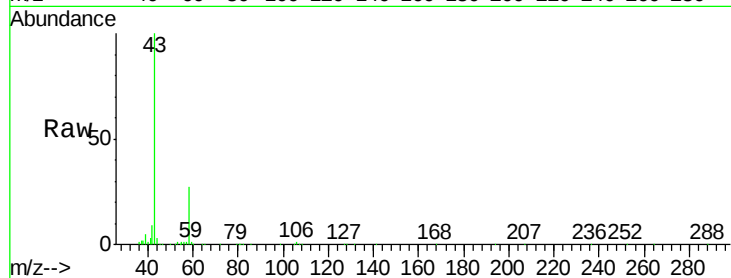
Acq: 20 Oct 2021 14:41 VSTDCCC010EC

Tgt Ion: 43 Resp: 1355359

Ion Ratio Lower Upper

43 100

58 29.1 23.0 34.6



#16

1,3-Butadiene

Concen: 11.643 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.00 min

Lab File: VL037887.D

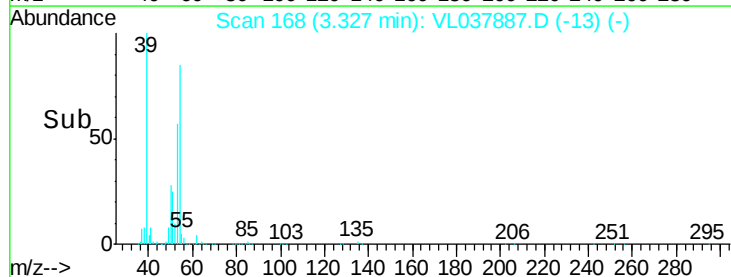
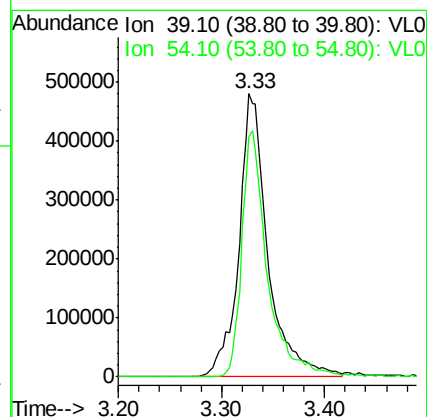
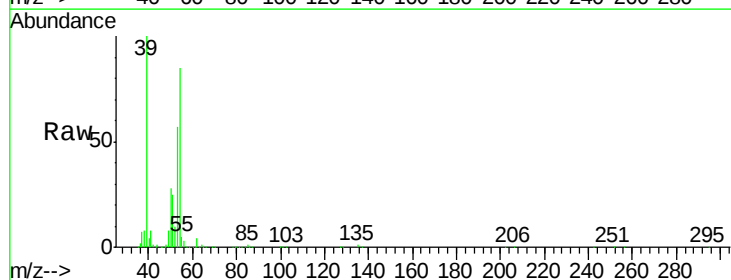
Acq: 20 Oct 2021 14:41

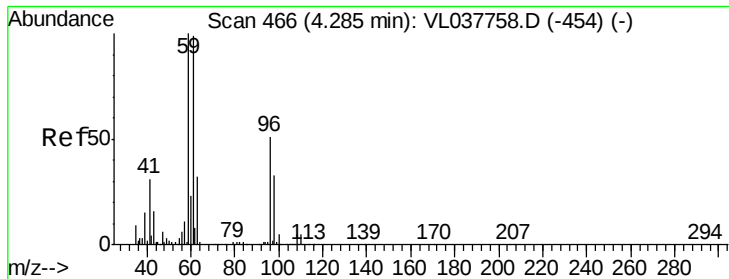
Tgt Ion: 39 Resp: 938449

Ion Ratio Lower Upper

39 100

54 77.9 61.7 92.5





#17

tert-Butyl alcohol

Concen: 11.900 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

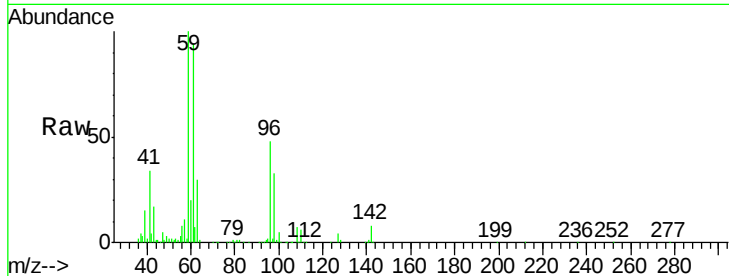
Acq: 20 Oct 2021 14:41

Tgt Ion: 59 Resp: 1357763

Ion Ratio Lower Upper

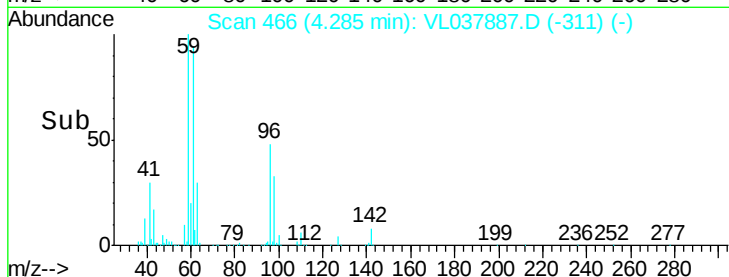
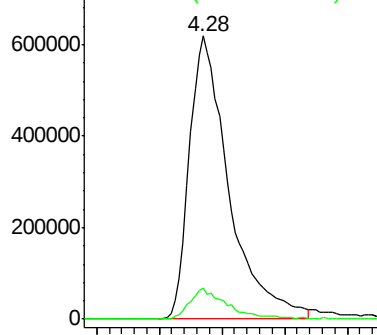
59 100

57 10.7 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 11.070 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

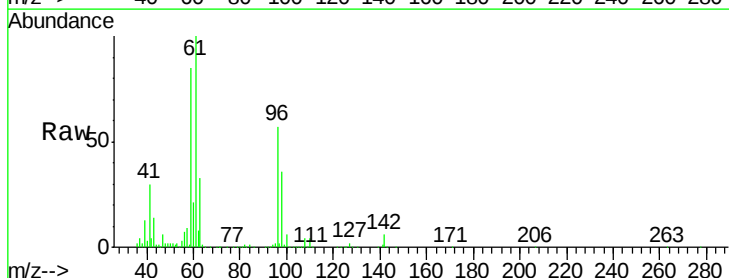
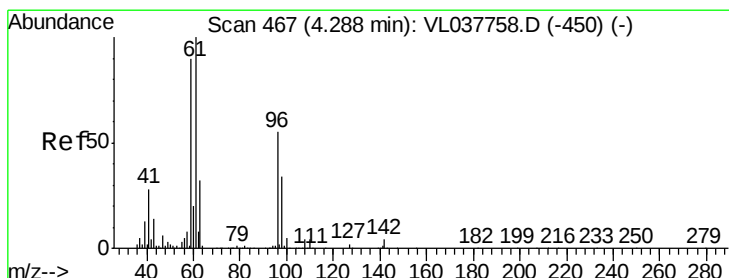
Tgt Ion: 96 Resp: 670337

Ion Ratio Lower Upper

96 100

61 176.3 146.2 219.4

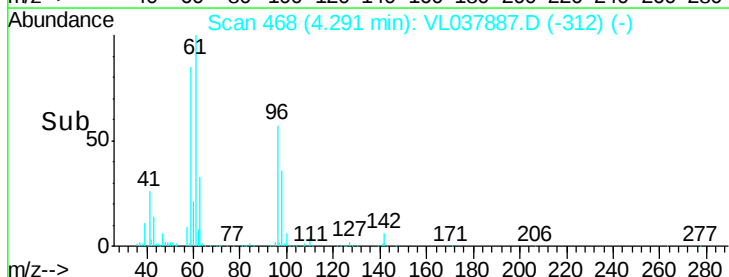
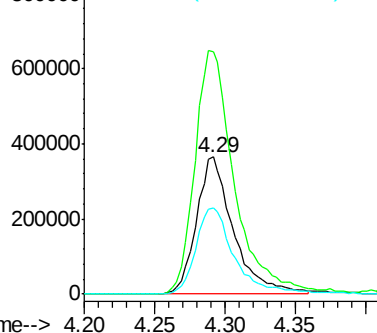
98 63.0 50.0 75.0

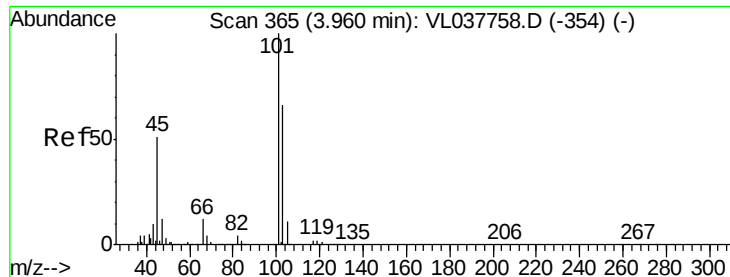


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 11.649 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

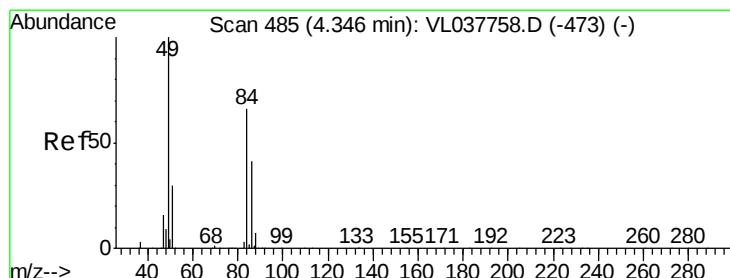
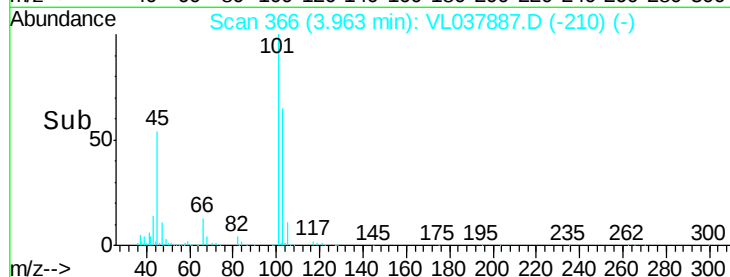
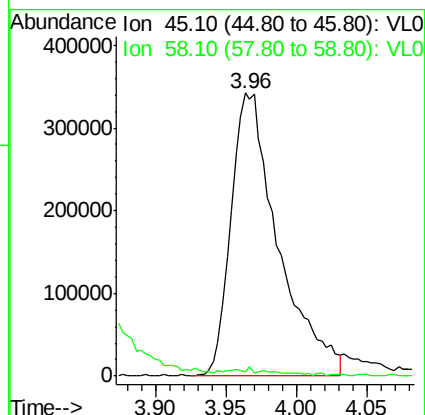
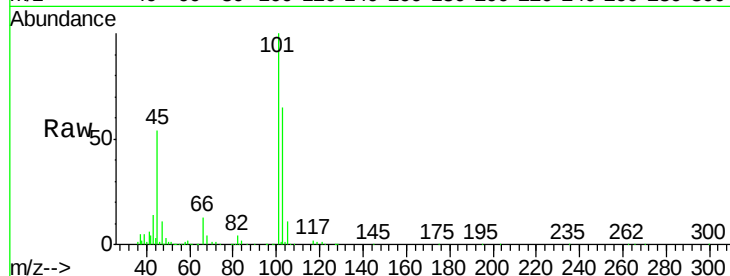
Acq: 20 Oct 2021 14:41 VSTDCCC010EC

Tgt Ion: 45 Resp: 802812

Ion Ratio Lower Upper

45 100

58 2.5 1.1 1.7#



#20

Methylene Chloride

Concen: 10.091 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

Tgt Ion: 84 Resp: 564810

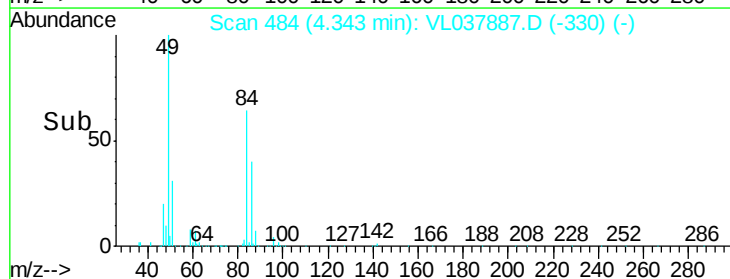
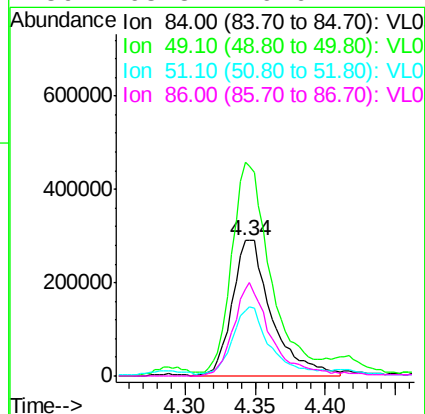
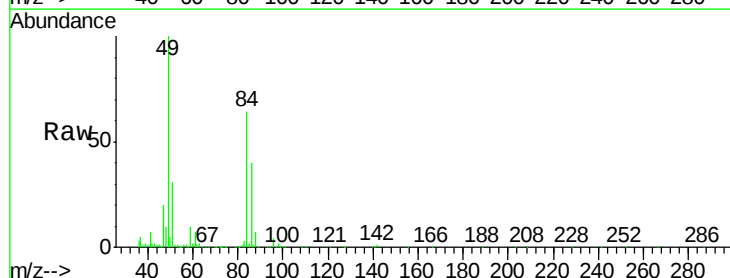
Ion Ratio Lower Upper

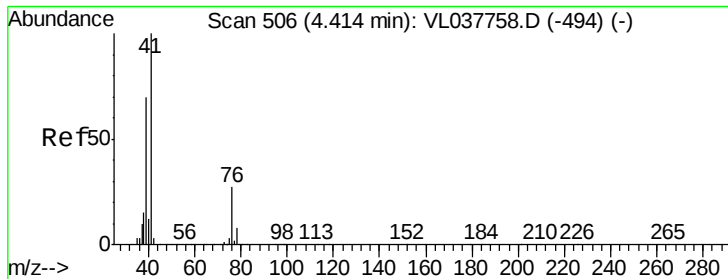
84 100

49 155.2 120.7 181.1

51 45.8 36.2 54.4

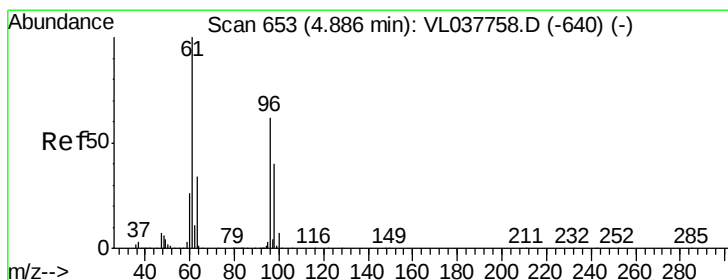
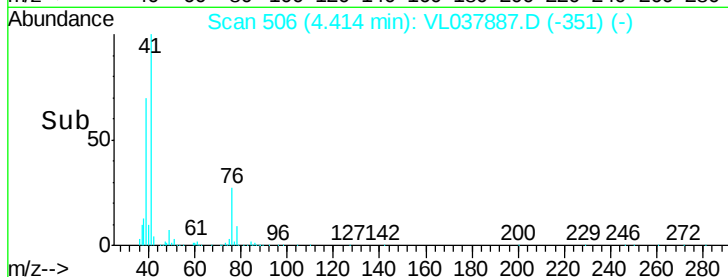
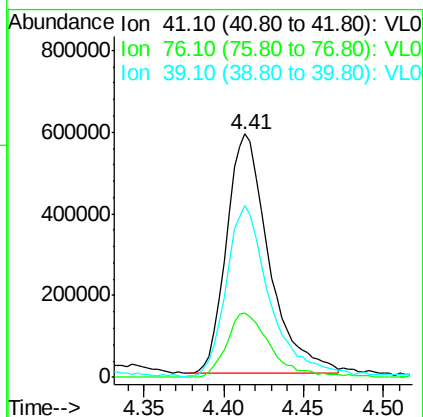
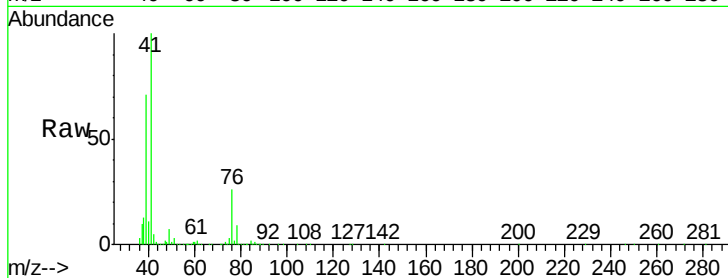
86 63.8 49.6 74.4





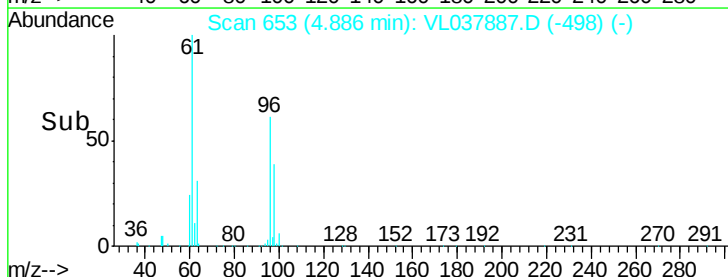
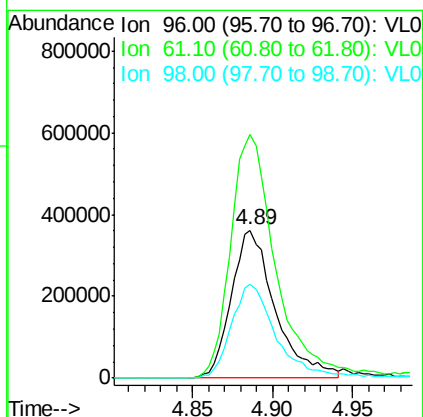
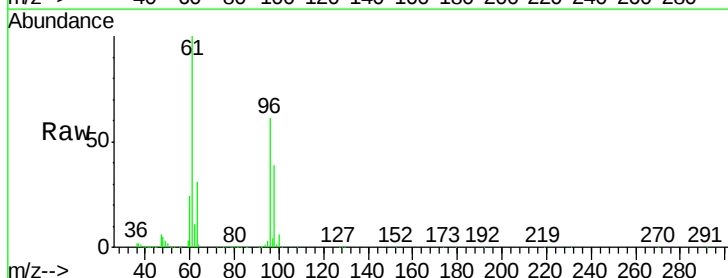
#21
 Allyl Chloride
 Concen: 10.843 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

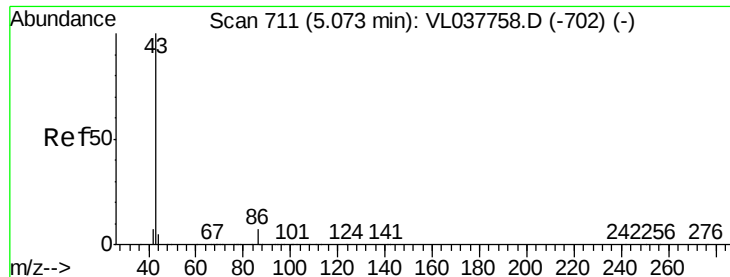
Tgt Ion: 41 Resp: 1064114
 Ion Ratio Lower Upper
 41 100
 76 28.3 22.4 33.6
 39 73.9 58.0 87.0



#22
 trans-1,2-Dichloroethene
 Concen: 11.134 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VL037887.D
 Acq: 20 Oct 2021 14:41

Tgt Ion: 96 Resp: 677834
 Ion Ratio Lower Upper
 96 100
 61 164.2 129.0 193.6
 98 63.4 51.7 77.5





#23

Vinyl Acetate

Concen: 12.559 ppbv

RT: 5.07 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 20 Oct 2021 14:41

Tgt Ion: 43 Resp: 2085006

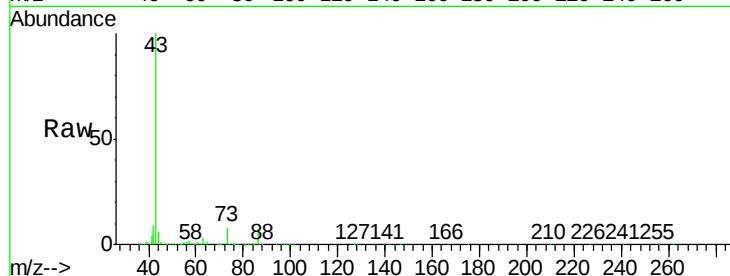
Ion Ratio Lower Upper

43 100

86 7.1 5.0 7.4

42 8.5 7.4 11.0

44 5.5 3.8 5.6

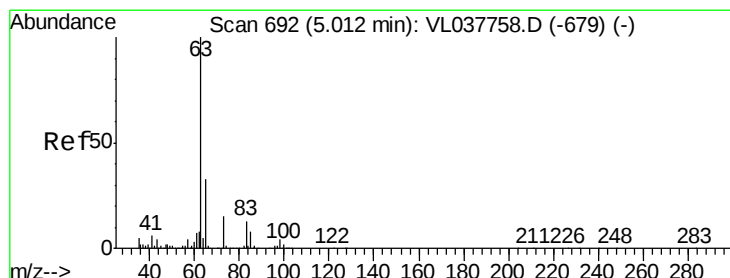
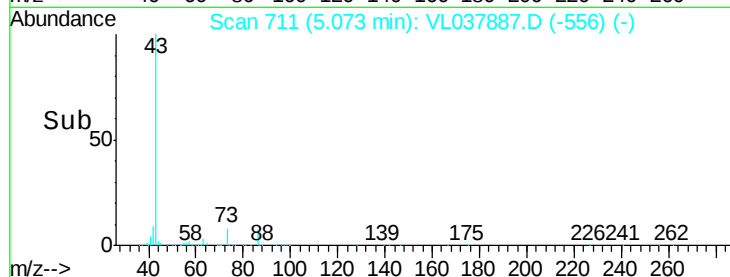
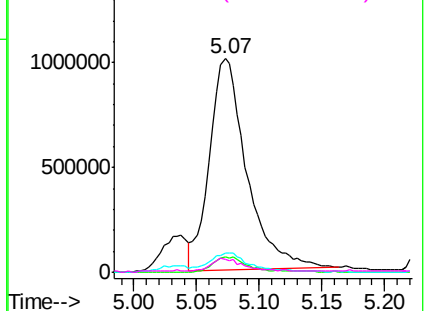


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.315 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

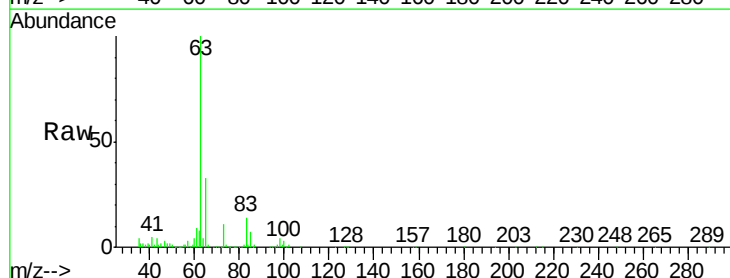
Tgt Ion: 63 Resp: 1367362

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.9

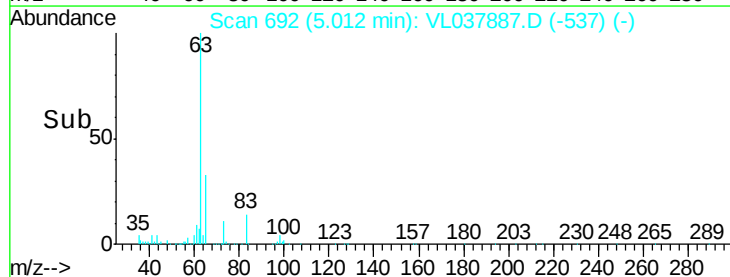
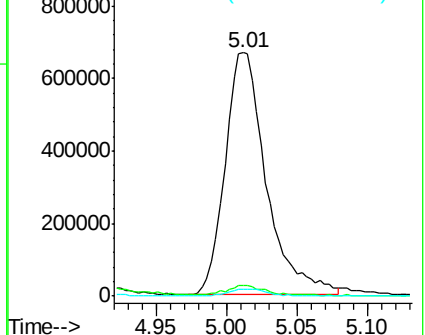
100 2.5 1.1 3.1

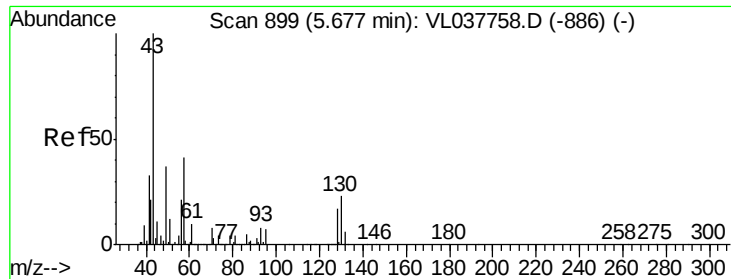


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

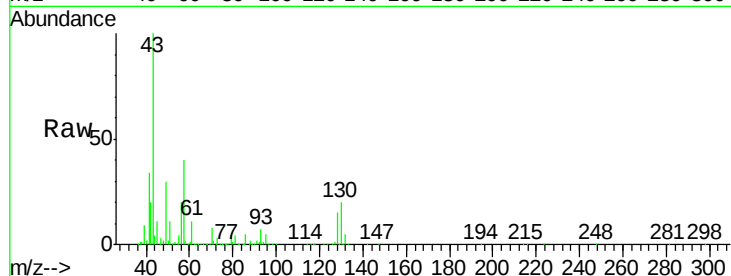
Ion 100.00 (99.70 to 100.70): VL0



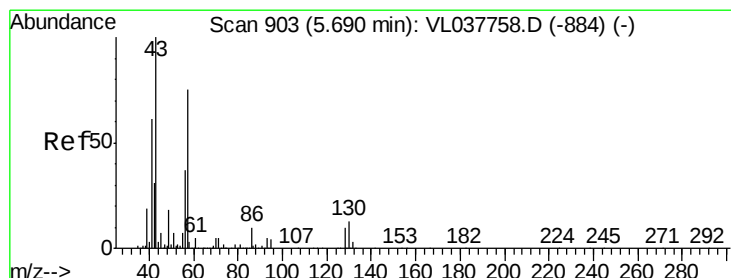
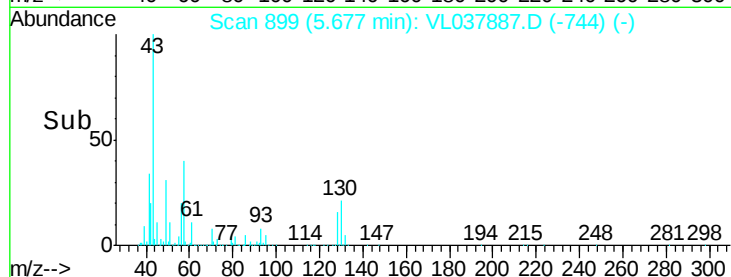
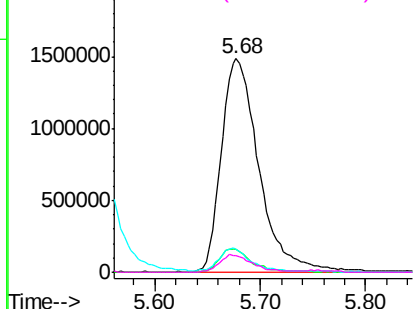


#25
Ethyl Acetate
Concen: 11.690 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 20 Oct 2021 14:41

Tgt Ion:	43	Resp:	3634085
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.1	12.1
61	10.3	7.5	11.3
70	7.4	5.9	8.9

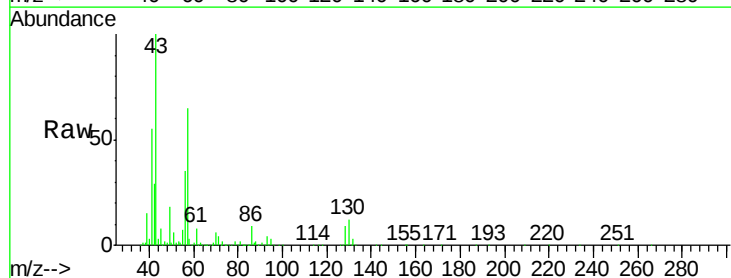


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

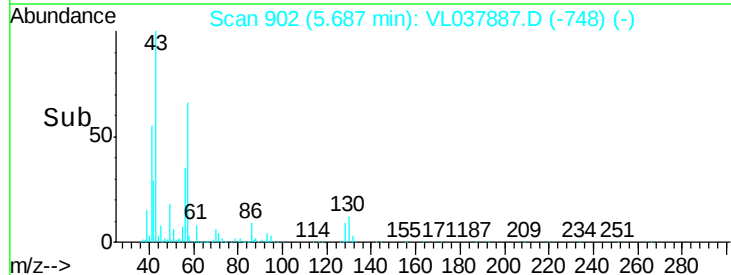
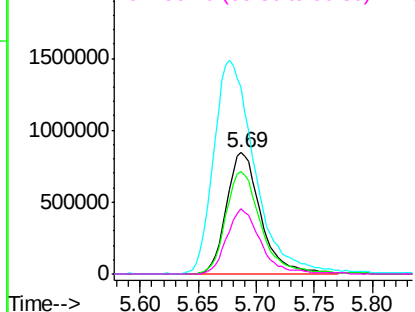


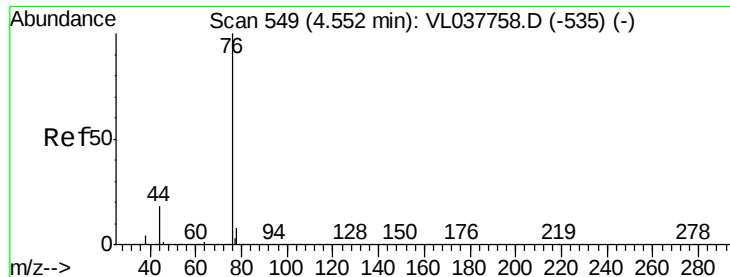
#26
Hexane
Concen: 11.296 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: -0.00 min
Lab File: VL037887.D
Acq: 20 Oct 2021 14:41

Tgt Ion:	57	Resp:	1729054
Ion	Ratio	Lower	Upper
57	100		
41	87.8	69.6	104.4
43	214.0	171.4	257.0
56	53.4	42.0	63.0



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





#27

Carbon Disulfide

Concen: 12.220 ppbv

RT: 4.55 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 20 Oct 2021 14:41 VSTDCCC010EC

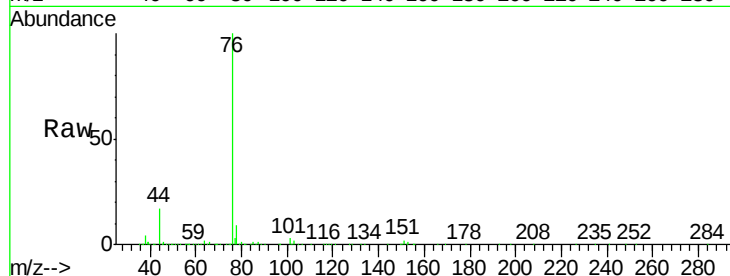
Tgt Ion: 76 Resp: 1657757

Ion Ratio Lower Upper

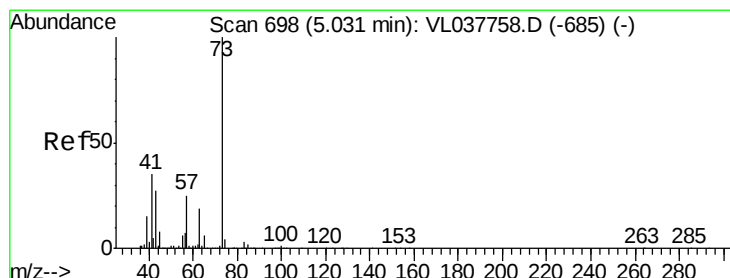
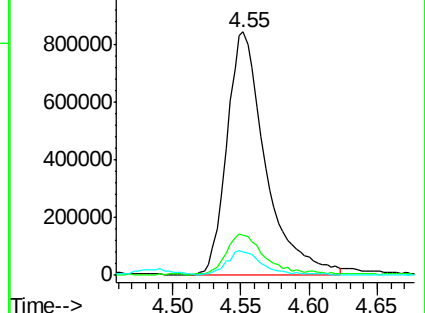
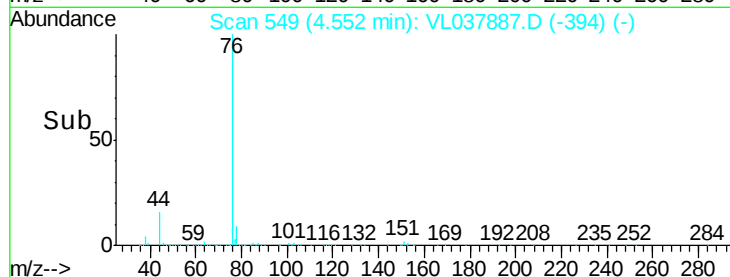
76 100

44 17.4 14.3 21.5

78 10.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.618 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL037887.D

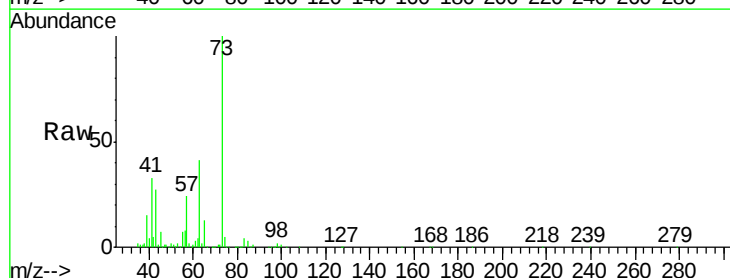
Acq: 20 Oct 2021 14:41

Tgt Ion: 73 Resp: 1353251

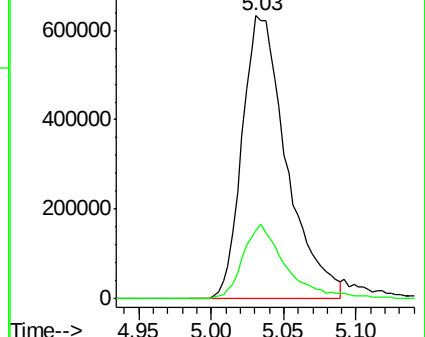
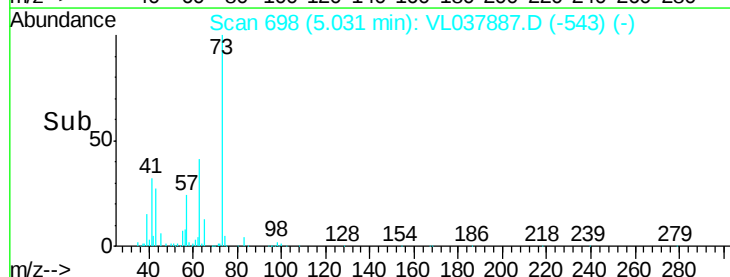
Ion Ratio Lower Upper

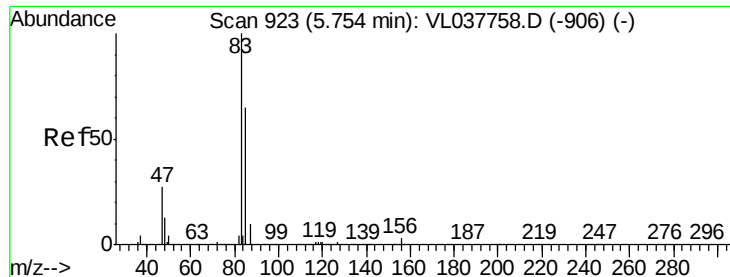
73 100

57 25.7 20.4 30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.800 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

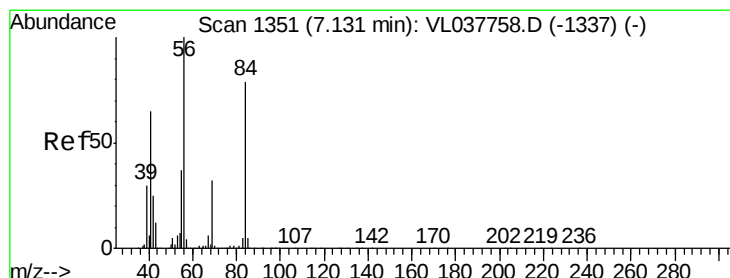
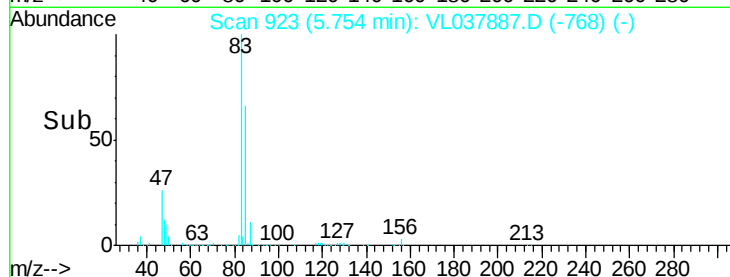
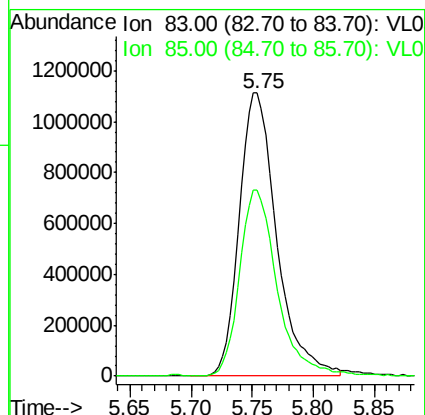
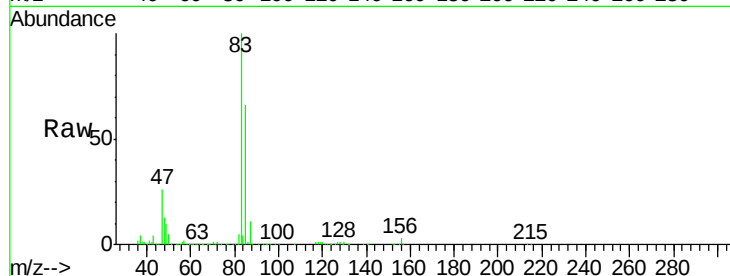
Acq: 20 Oct 2021 14:41 VSTDCCC010EC

Tgt Ion: 83 Resp: 2363145

Ion Ratio Lower Upper

83 100

85 65.6 51.8 77.8



#30

Cyclohexane

Concen: 10.958 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

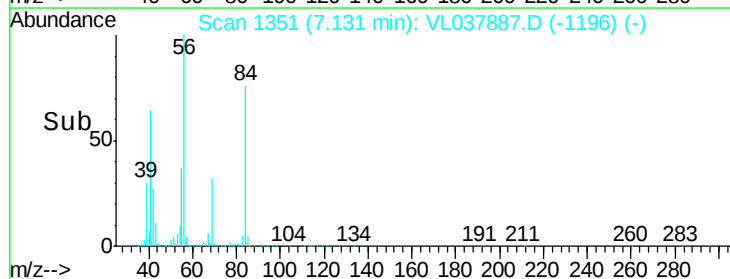
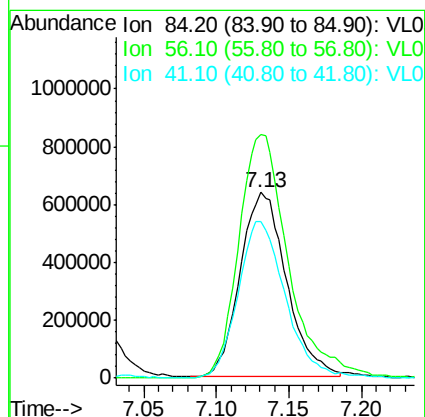
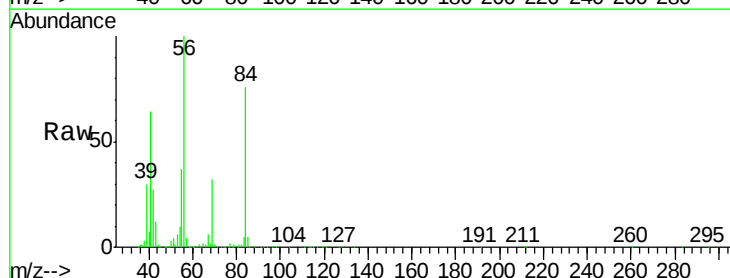
Tgt Ion: 84 Resp: 1422358

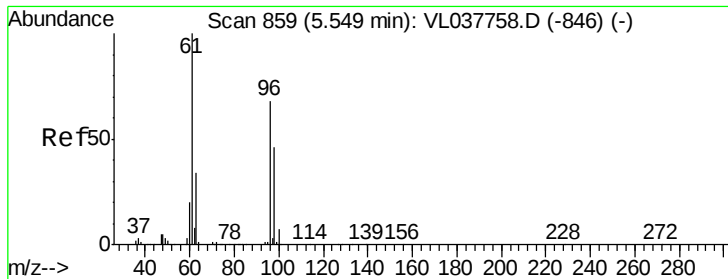
Ion Ratio Lower Upper

84 100

56 141.6 113.0 169.4

41 87.5 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 11.248 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 14:41 VSTDCCC010EC

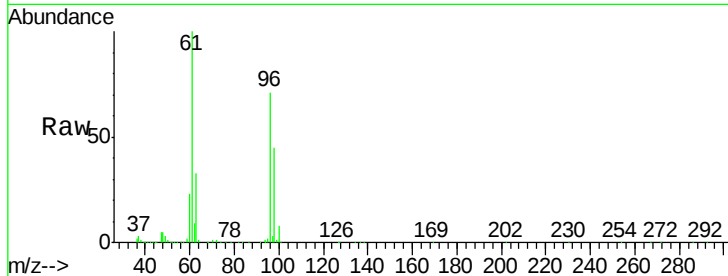
Tgt Ion: 61 Resp: 1563061

Ion Ratio Lower Upper

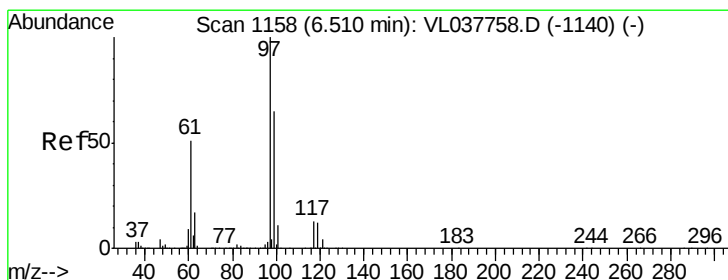
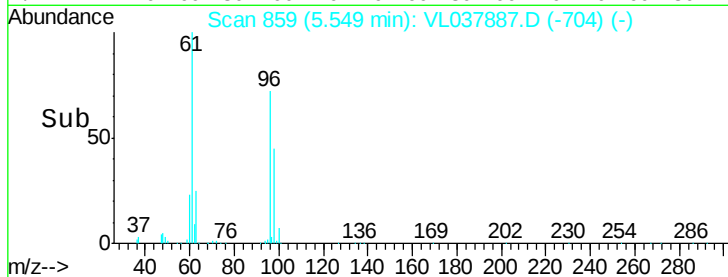
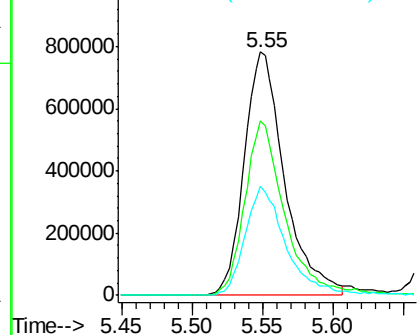
61 100

96 71.4 54.2 81.2

98 45.0 36.6 54.8



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



#32

1,1,1-Trichloroethane

Concen: 10.823 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

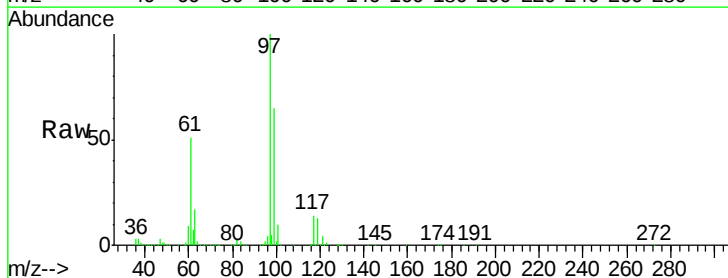
Tgt Ion: 97 Resp: 2245103

Ion Ratio Lower Upper

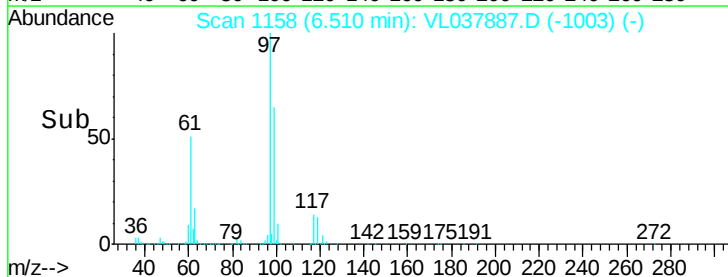
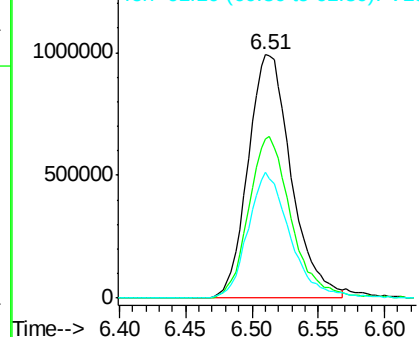
97 100

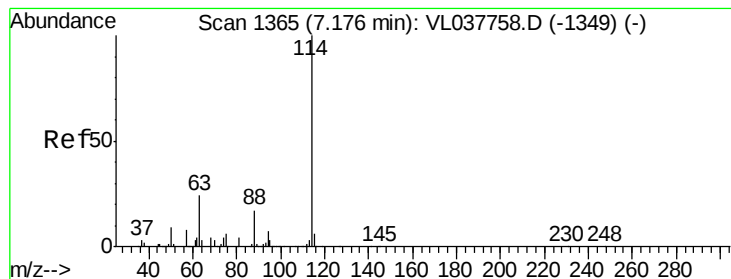
99 65.5 52.6 78.8

61 50.7 40.2 60.4



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 20 Oct 2021 14:41

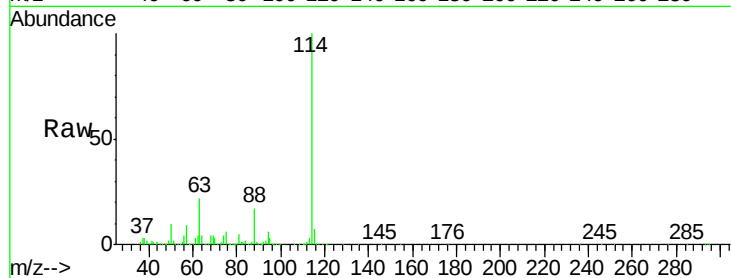
Tgt Ion: 114 Resp: 3627040

Ion Ratio Lower Upper

114 100

63 24.1 19.4 29.2

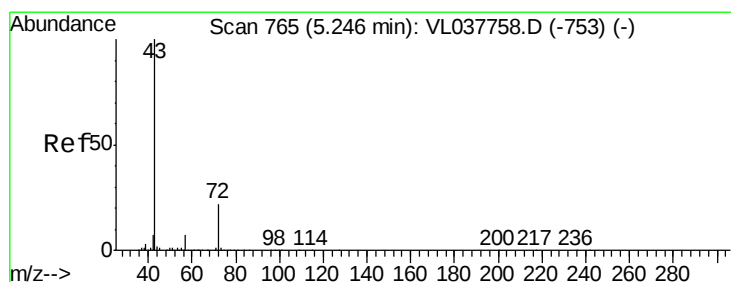
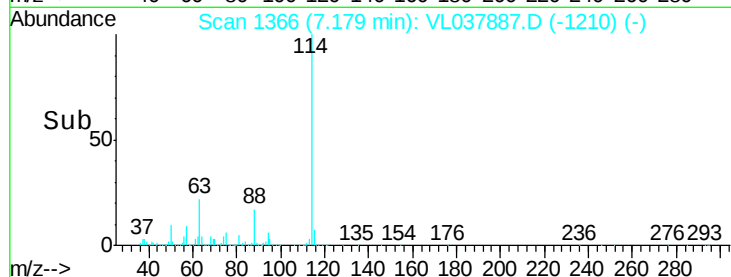
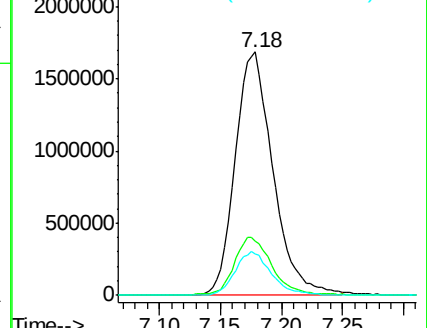
88 17.6 14.4 21.6



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: 11.277 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.00 min

Lab File: VL037887.D

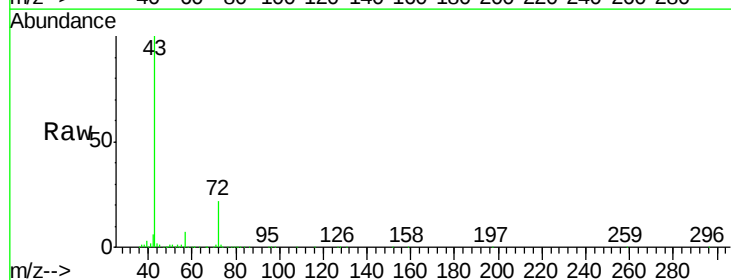
Acq: 20 Oct 2021 14:41

Tgt Ion: 43 Resp: 1651248

Ion Ratio Lower Upper

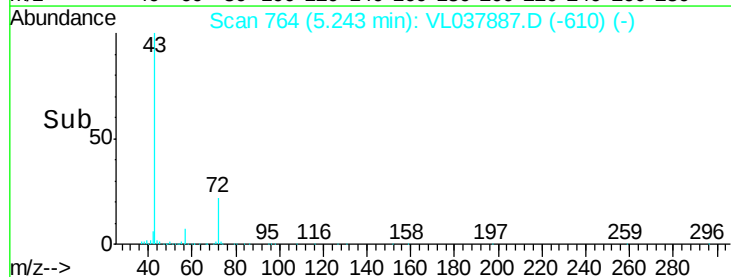
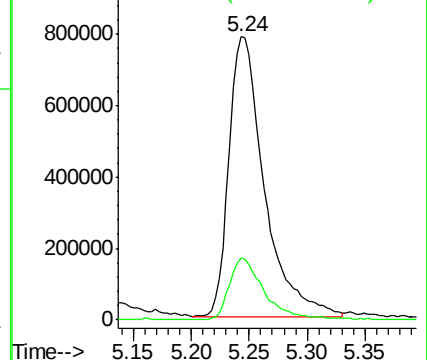
43 100

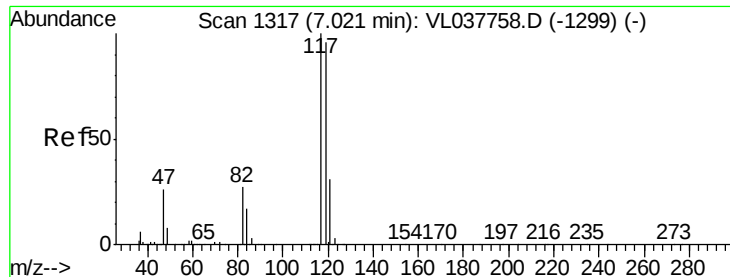
72 22.5 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.383 ppbv

RT: 7.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 14:41

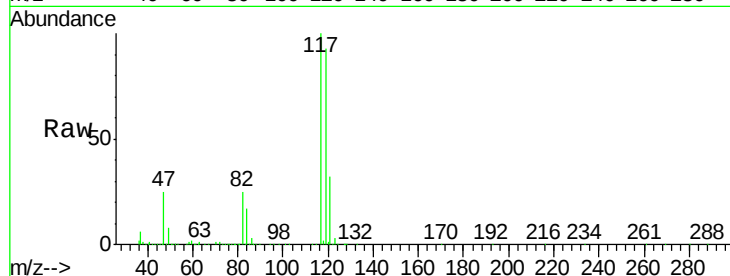
Tgt Ion: 117 Resp: 2344706

Ion Ratio Lower Upper

117 100

119 92.9 76.5 114.7

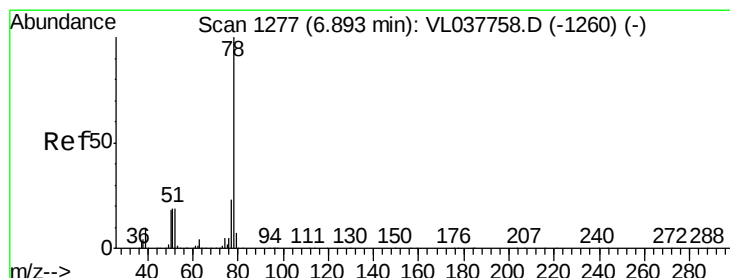
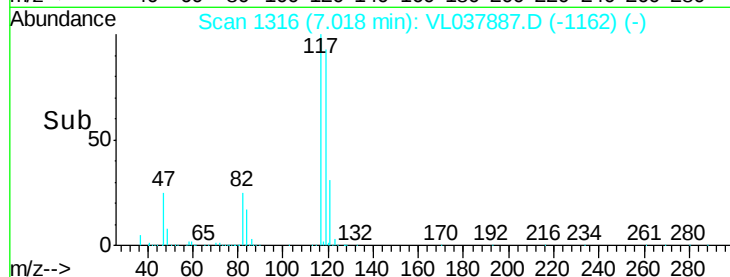
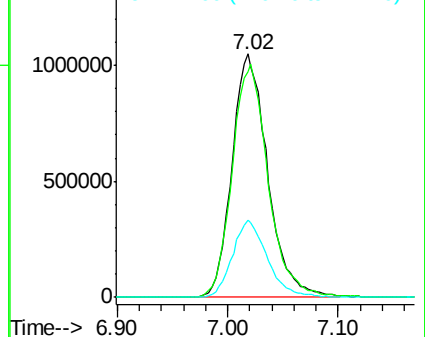
121 31.6 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.292 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

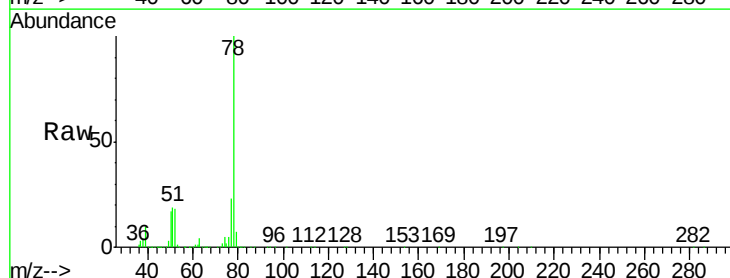
Tgt Ion: 78 Resp: 3498260

Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2

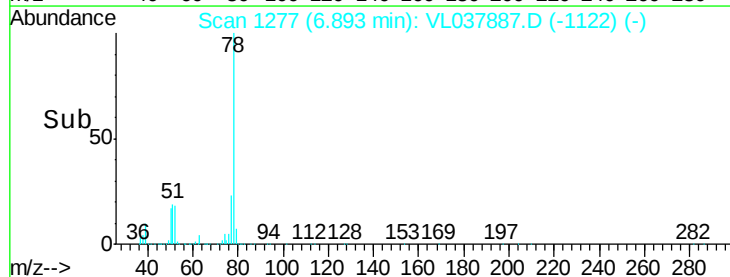
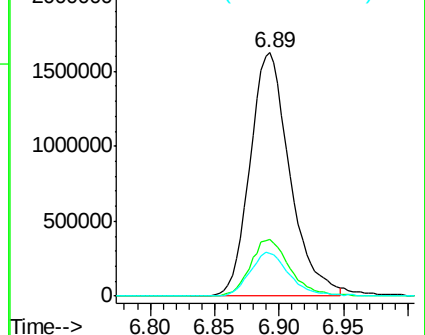
50 17.4 14.7 22.1

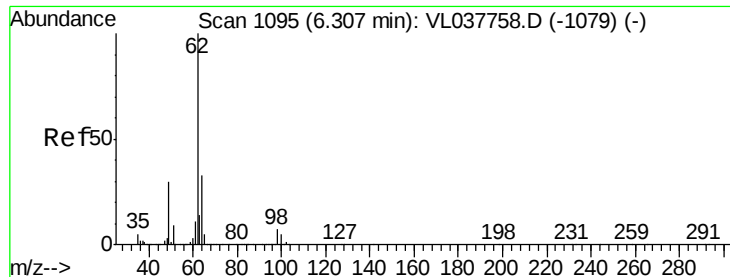


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.360 ppbv

RT: 6.31 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

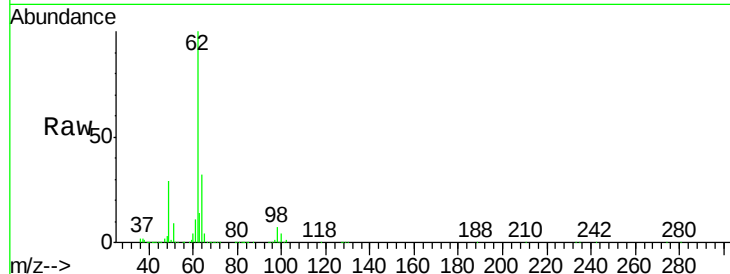
Acq: 20 Oct 2021 14:41 VSTDCCC010EC

Tgt Ion: 62 Resp: 1657079

Ion Ratio Lower Upper

62 100

98 7.9 6.1 9.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

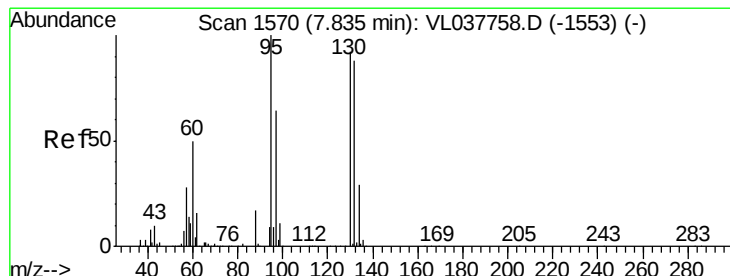
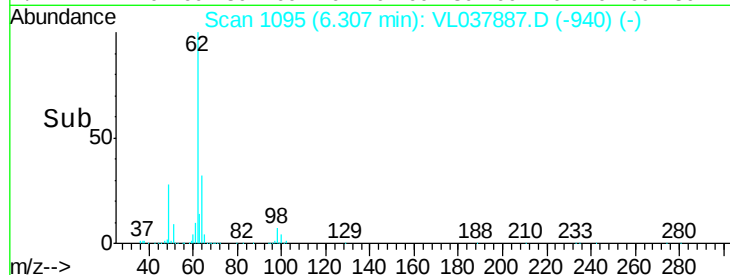
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35 6.40



#38

Trichloroethene

Concen: 11.340 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

Tgt Ion: 130 Resp: 1387949

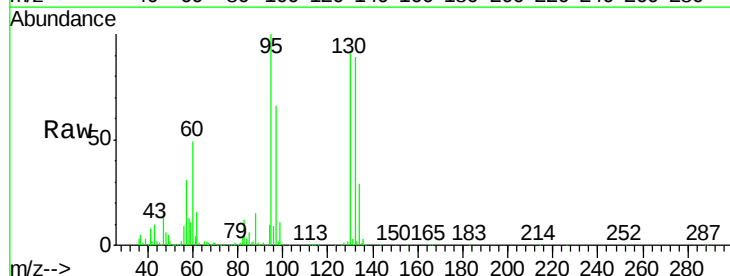
Ion Ratio Lower Upper

130 100

95 110.2 87.4 131.0

132 97.8 76.8 115.2

97 72.4 55.8 83.8



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

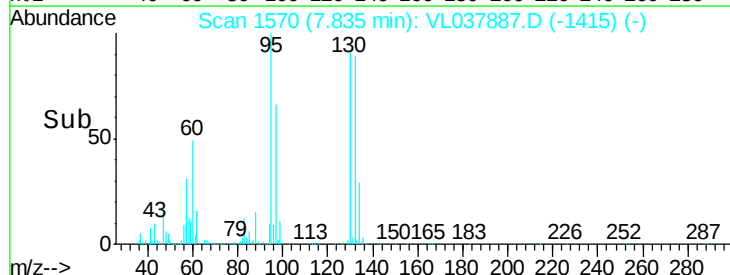
600000

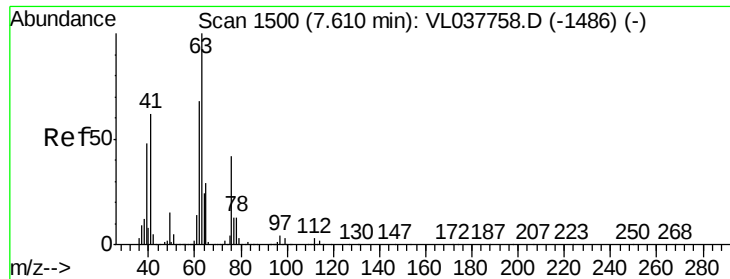
400000

200000

0

Time--> 7.75 7.80 7.85 7.90





#39

1,2-Dichloropropane

Concen: 11.705 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 14:41 VSTDCCC010EC

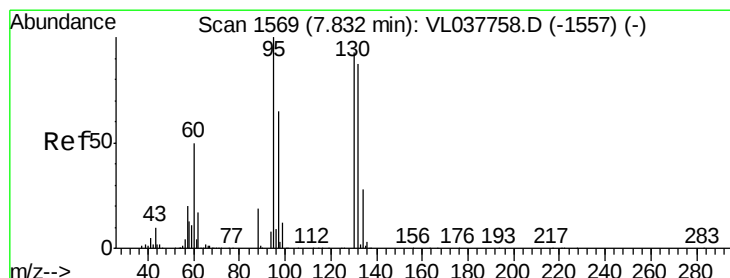
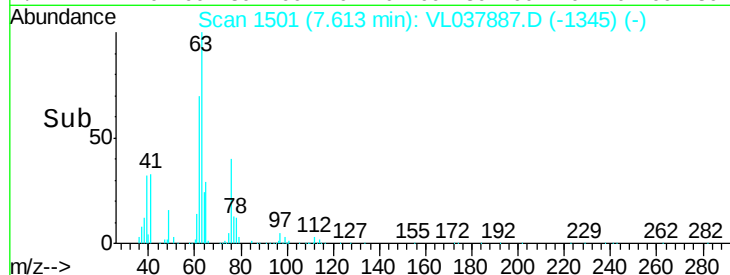
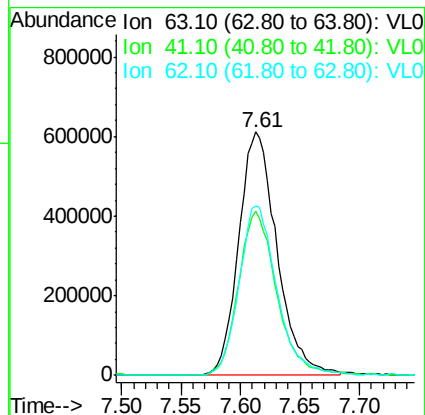
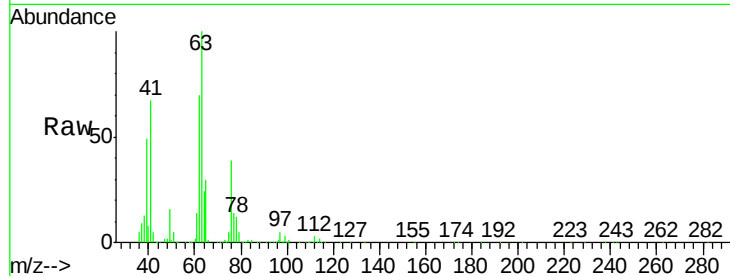
Tgt Ion: 63 Resp: 1363979

Ion Ratio Lower Upper

63 100

41 67.2 49.8 74.6

62 69.4 54.6 82.0



#40

1,4-Dioxane

Concen: 9.159 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

Tgt Ion: 88 Resp: 267066

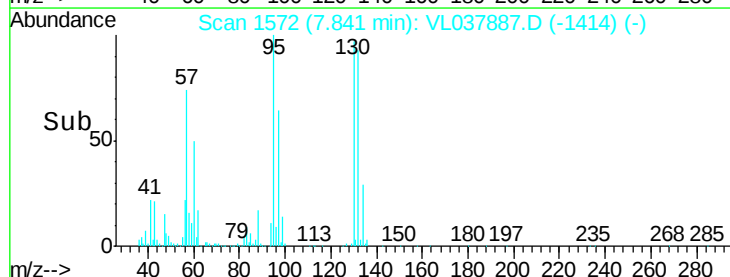
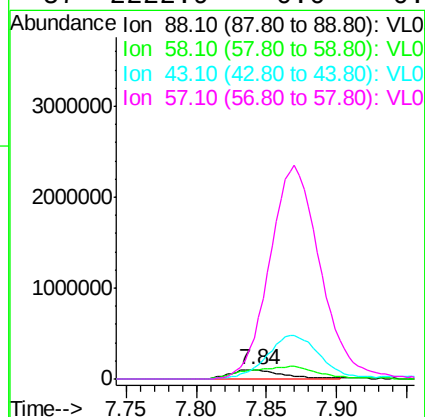
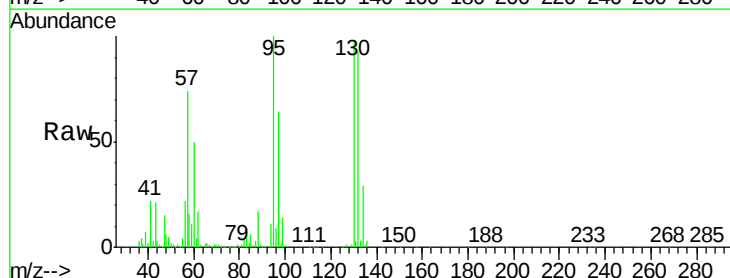
Ion Ratio Lower Upper

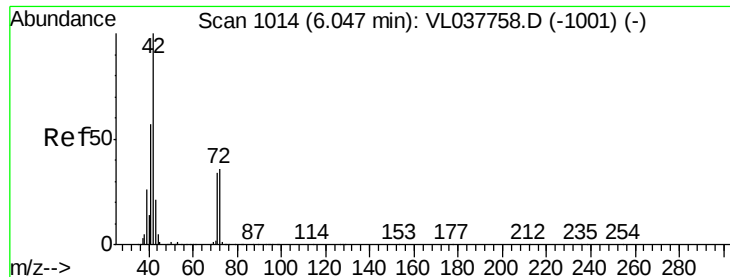
88 100

58 184.1 0.0 0.0#

43 476.8 0.0 0.0#

57 2222.9 0.0 0.0#





#41

Tetrahydrofuran

Concen: 11.942 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 20 Oct 2021 14:41

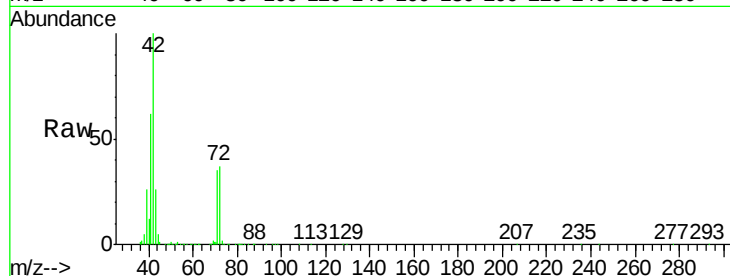
Tgt Ion: 42 Resp: 856245

Ion Ratio Lower Upper

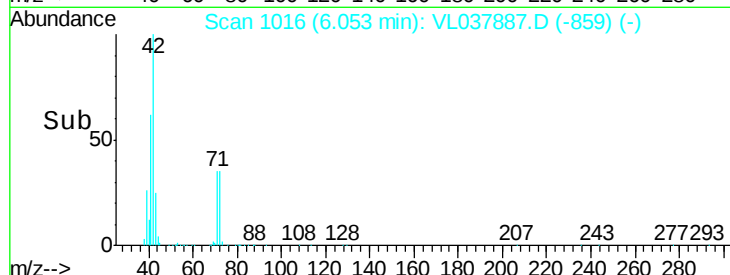
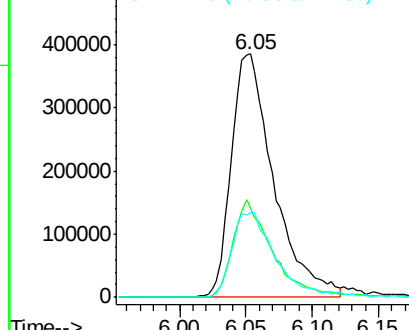
42 100

72 38.2 31.9 47.9

71 36.8 30.3 45.5



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: 11.783 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

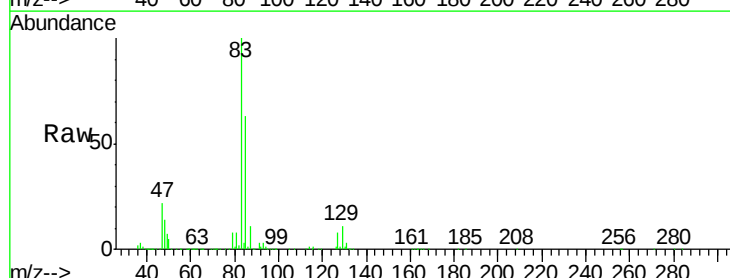
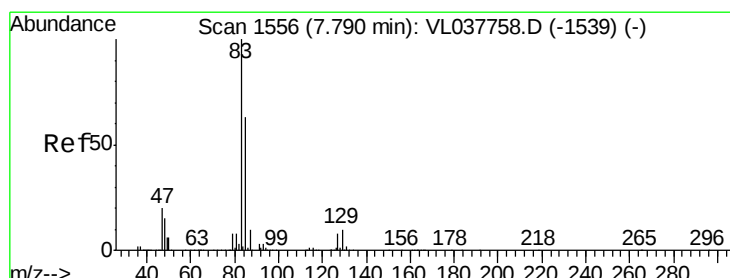
Tgt Ion: 83 Resp: 2524605

Ion Ratio Lower Upper

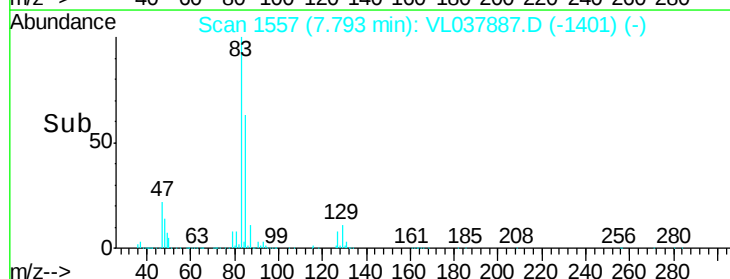
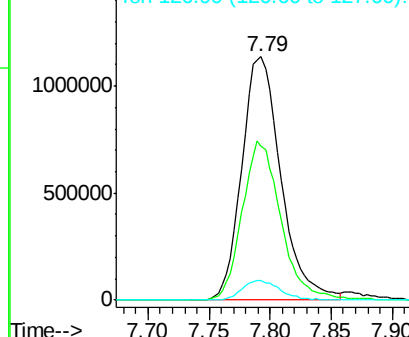
83 100

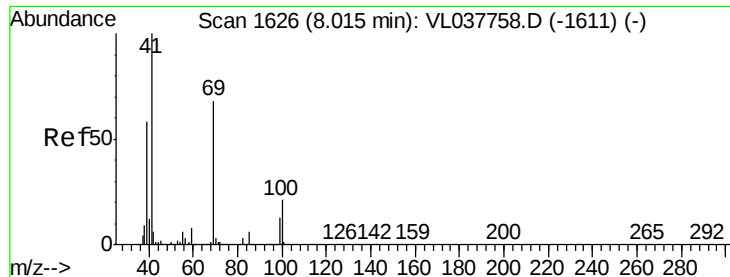
85 63.3 50.6 75.8

127 8.0 6.2 9.4



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): VL0

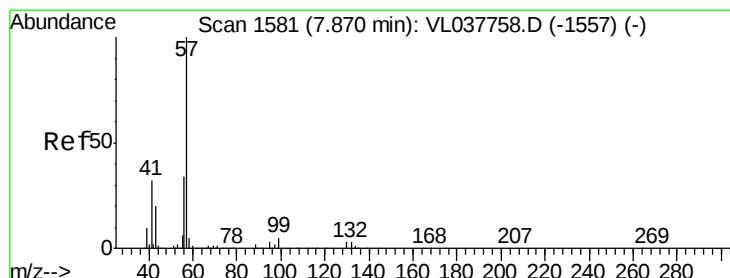
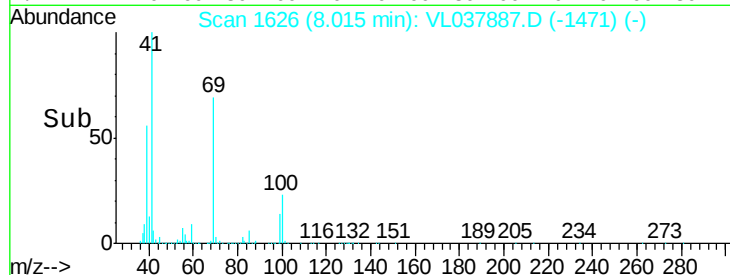
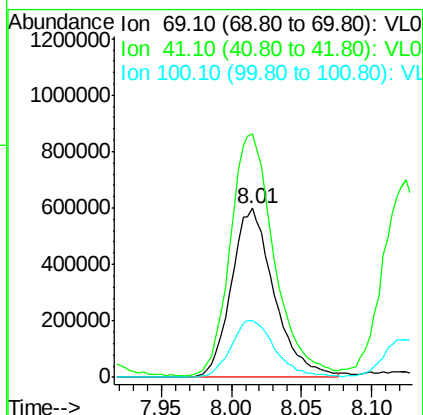
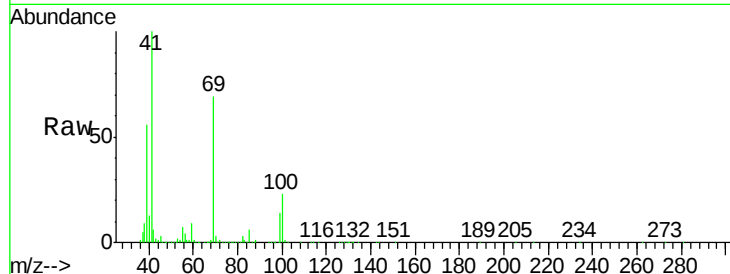




#43
Methyl Methacrylate
Concen: 12.530 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: VSTDCCC010EC
Acq: 20 Oct 2021 14:41

Tgt Ion: 69 Resp: 1267873

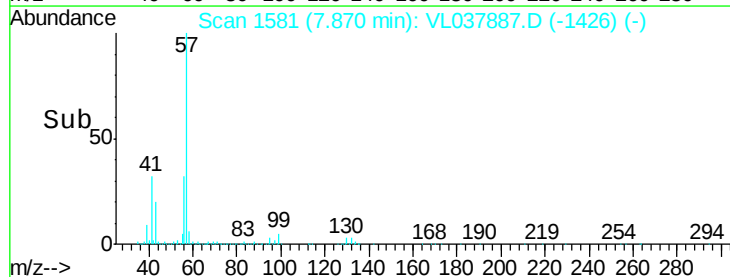
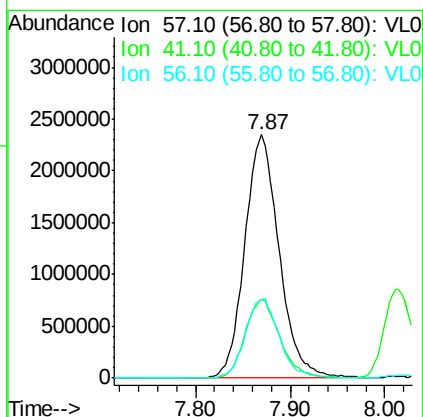
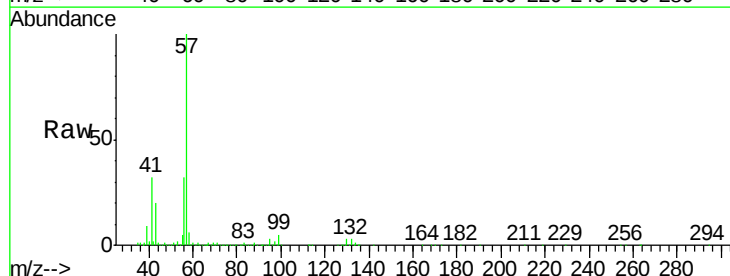
Ion	Ratio	Lower	Upper
69	100		
41	148.8	121.0	181.4
100	34.9	27.7	41.5

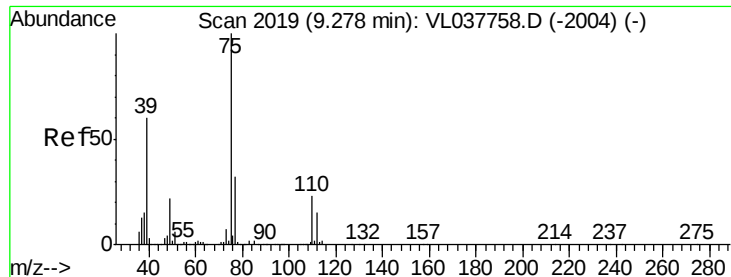


#44
2,2,4-Trimethylpentane
Concen: 11.357 ppbv
RT: 7.87 min Scan# 1581
Delta R.T.: -0.00 min
Lab File: VL037887.D
Acq: 20 Oct 2021 14:41

Tgt Ion: 57 Resp: 5911142

Ion	Ratio	Lower	Upper
57	100		
41	32.6	25.6	38.4
56	32.3	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 12.240 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

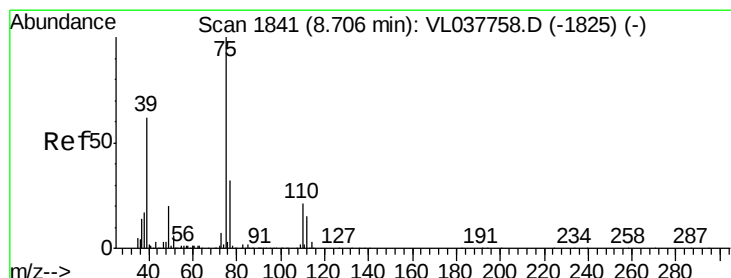
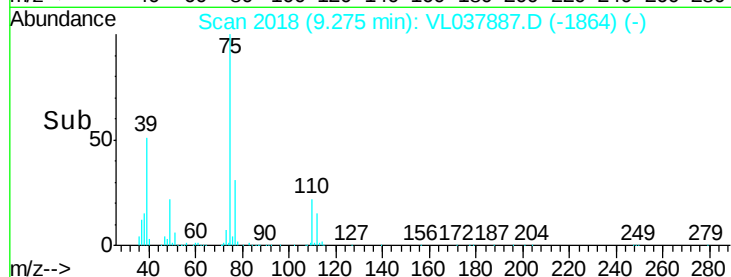
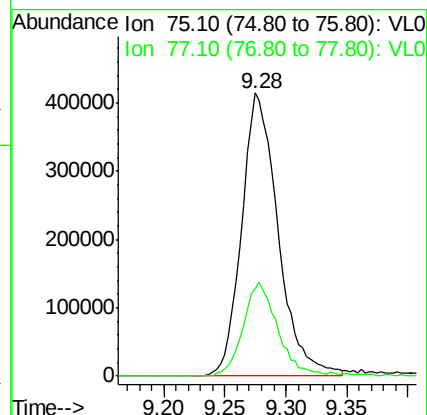
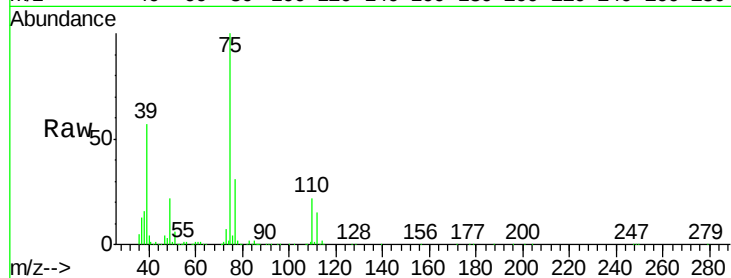
Acq: 20 Oct 2021 14:41 VSTDCCC010EC

Tgt Ion: 75 Resp: 852200

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 12.071 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

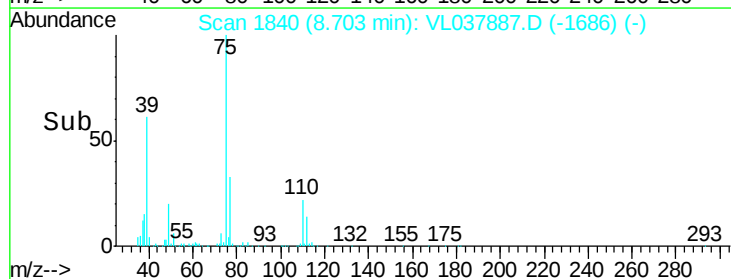
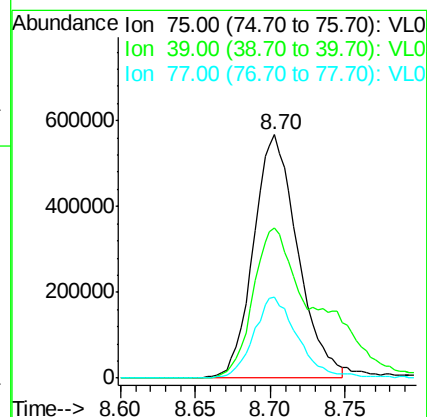
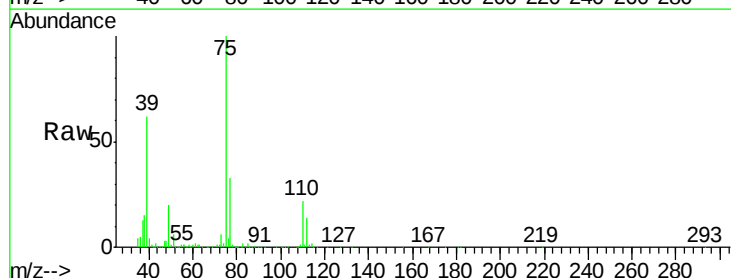
Tgt Ion: 75 Resp: 1164918

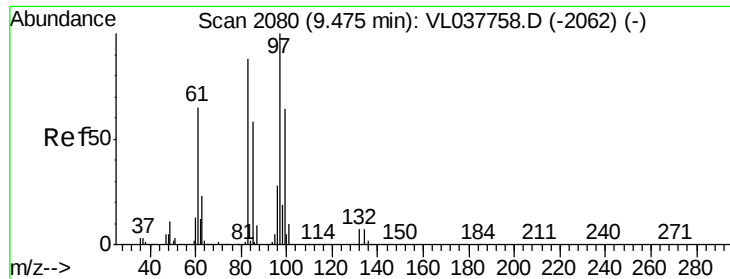
Ion Ratio Lower Upper

75 100

39 61.5 49.9 74.9

77 33.1 25.9 38.9

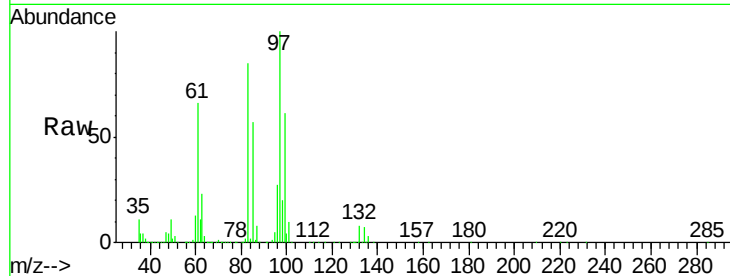




#47
 1,1,2-Trichloroethane
 Concen: 11.281 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

Tgt Ion: 97 Resp: 1428989

Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.6	105.8
85	56.7	45.9	68.9
99	60.7	51.5	77.3

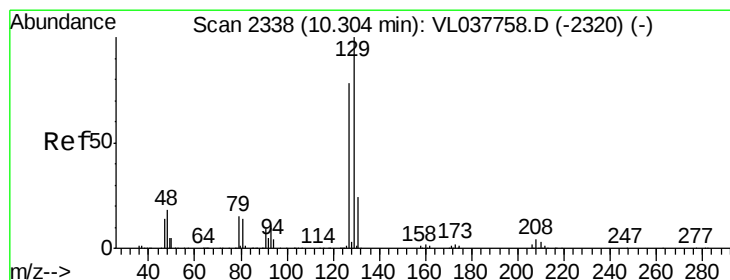
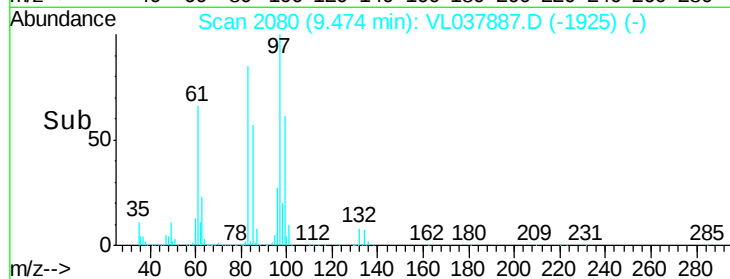
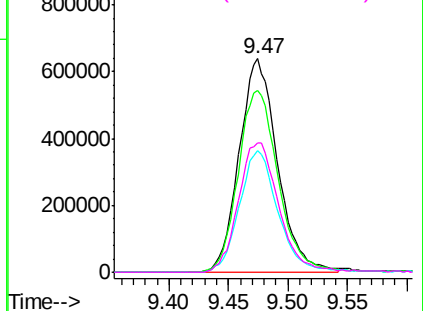


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

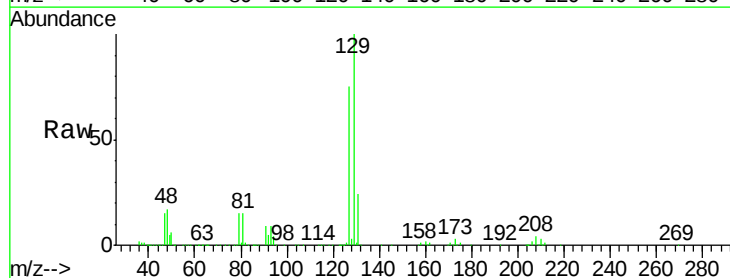
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 12.300 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL037887.D
 Acq: 20 Oct 2021 14:41

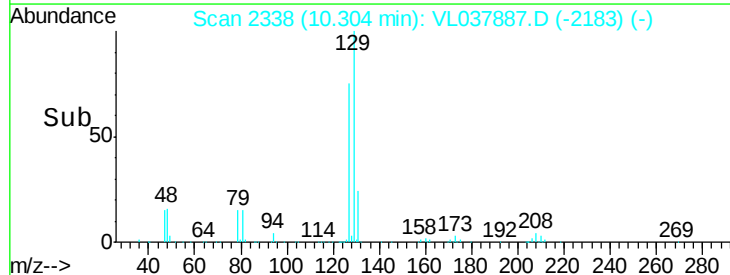
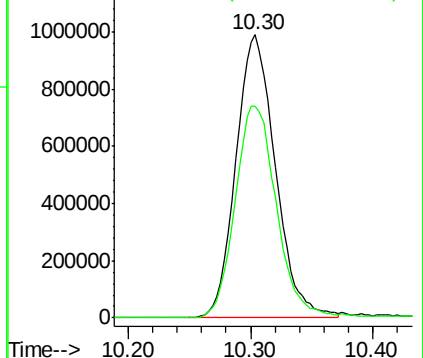
Tgt Ion: 129 Resp: 2221211

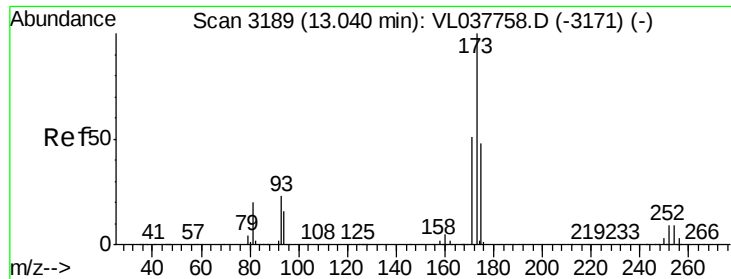
Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.5	118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 13.237 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Oct 2021 14:41 VSTDCCC010EC

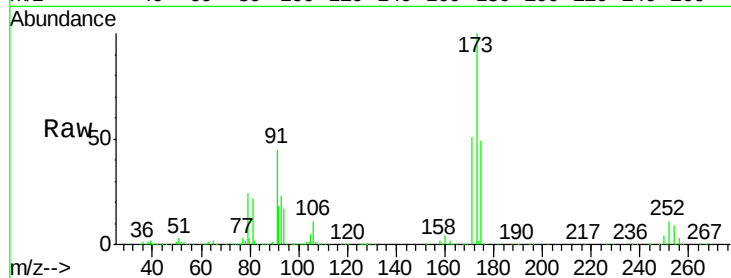
Tgt Ion:173 Resp: 1829103

Ion Ratio Lower Upper

173 100

175 51.2 39.9 59.9

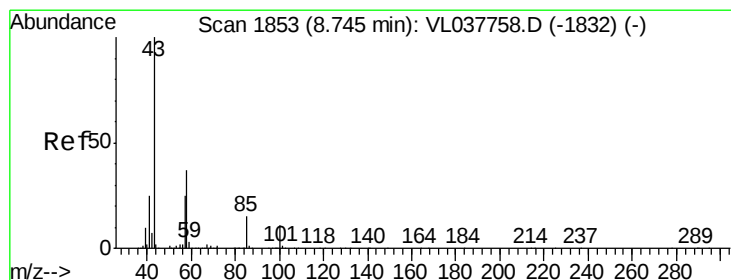
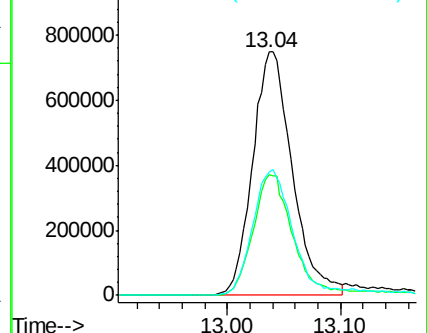
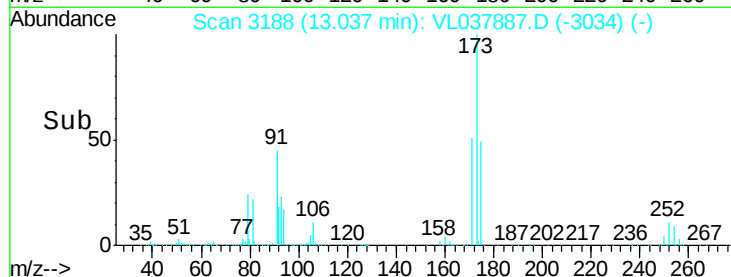
171 54.9 43.4 65.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 12.384 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL037887.D

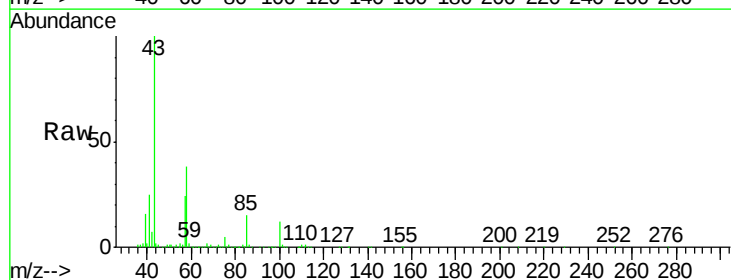
Acq: 20 Oct 2021 14:41

Tgt Ion: 43 Resp: 2360620

Ion Ratio Lower Upper

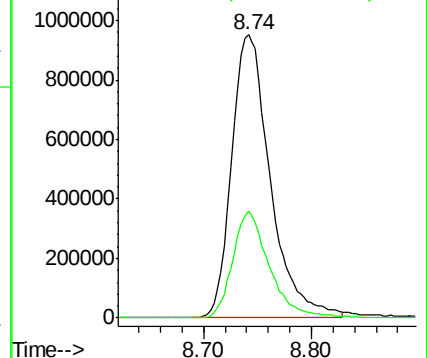
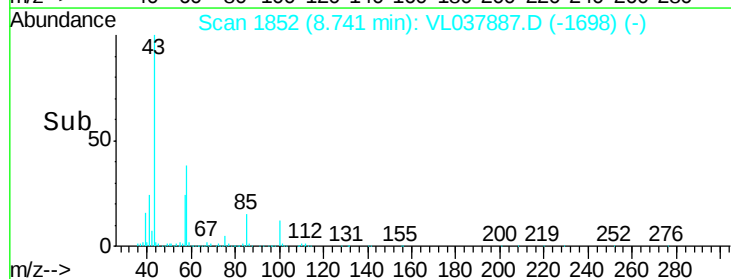
43 100

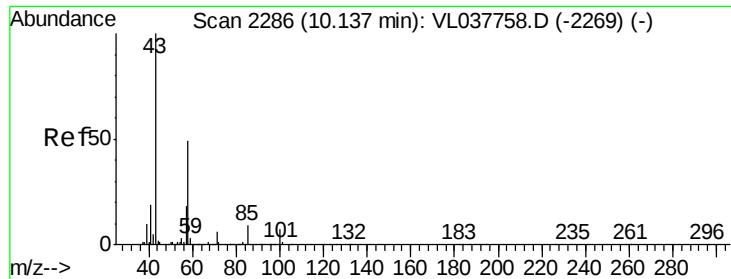
58 36.2 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

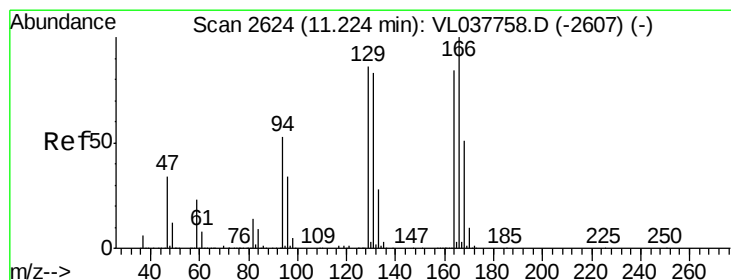
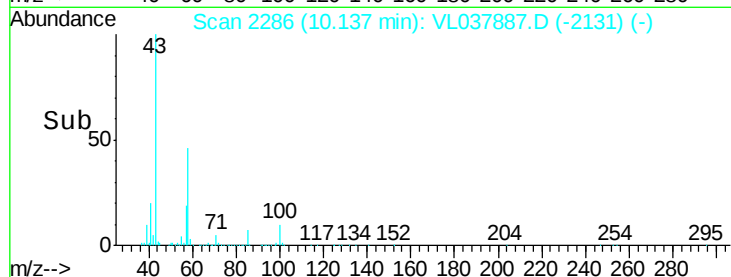
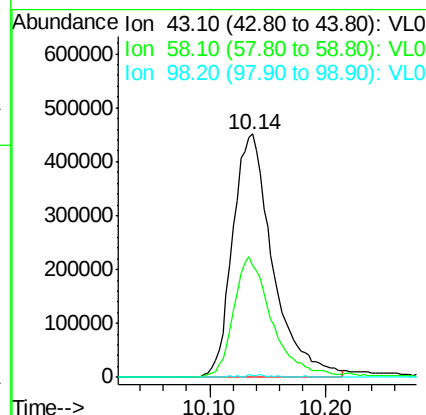
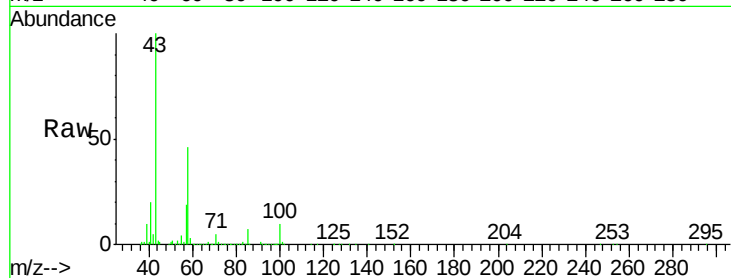
Ion 58.10 (57.80 to 58.80): VL0





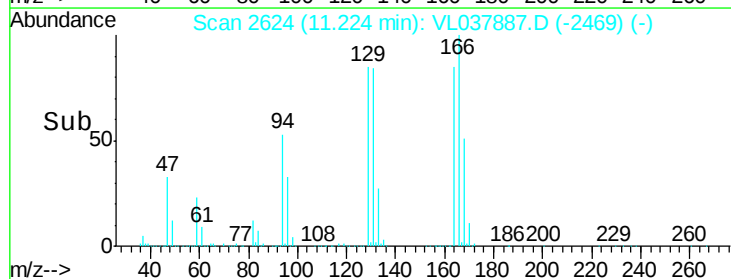
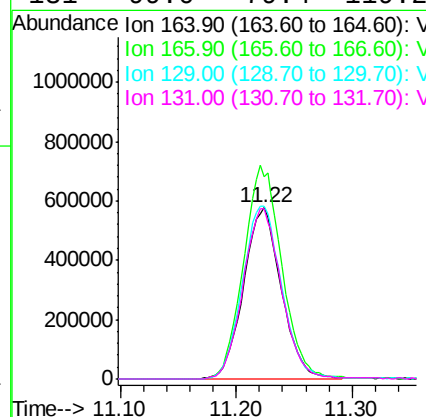
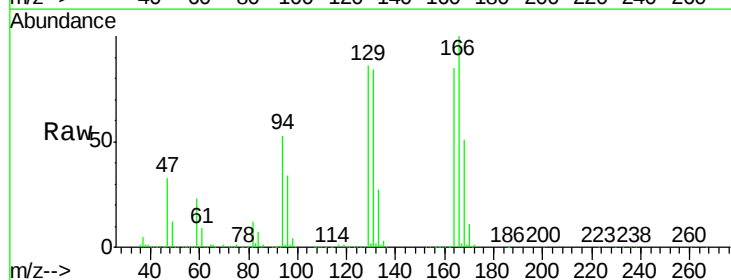
#51
2-Hexanone
Concen: 12.650 ppbv
RT: 10.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Oct 2021 14:41 VSTDCCC010EC

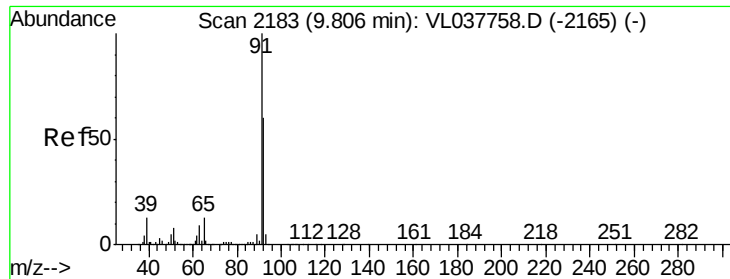
Tgt Ion: 43 Resp: 1076497
Ion Ratio Lower Upper
43 100
58 48.8 39.4 59.0
98 0.8 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.813 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL037887.D
Acq: 20 Oct 2021 14:41

Tgt Ion: 164 Resp: 1303337
Ion Ratio Lower Upper
164 100
166 117.9 95.4 143.2
129 100.8 82.2 123.4
131 99.0 79.4 119.2





#53

Toluene

Concen: 11.951 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

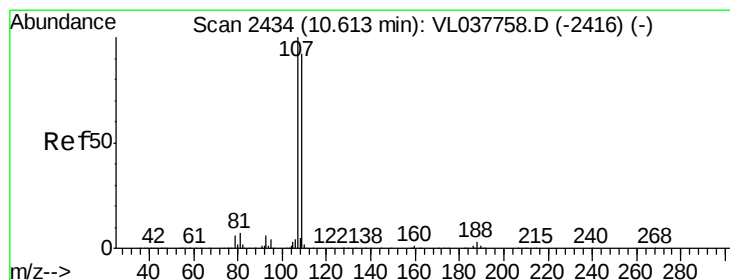
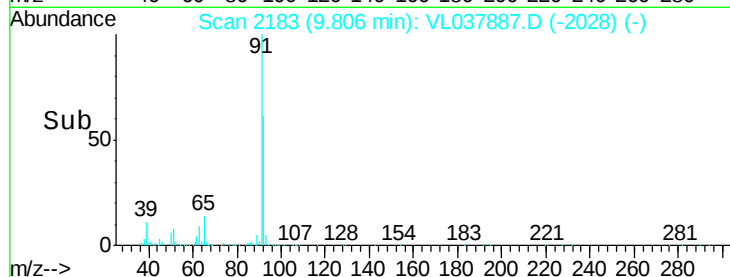
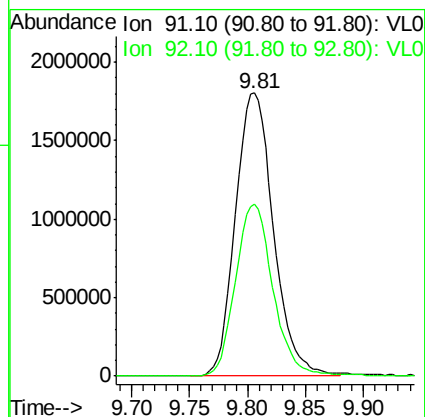
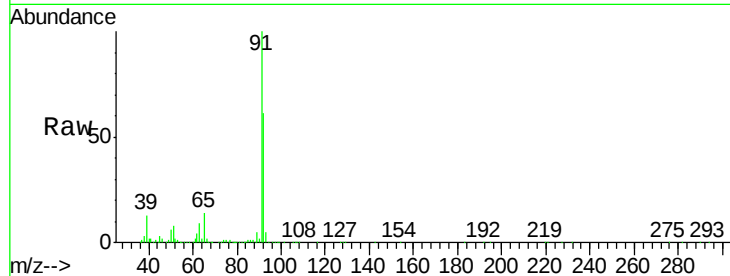
Acq: 20 Oct 2021 14:41 VSTDCCC010EC

Tgt Ion: 91 Resp: 4103128

Ion Ratio Lower Upper

91 100

92 60.3 48.4 72.6



#54

1,2-Dibromoethane

Concen: 11.559 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL037887.D

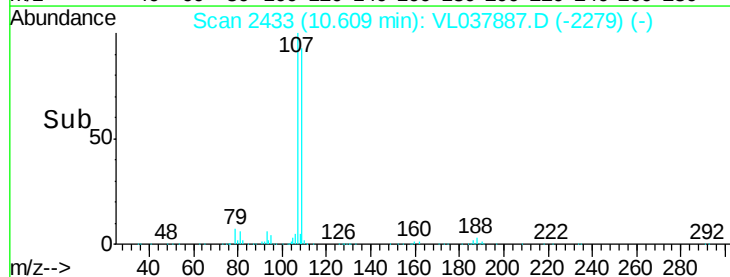
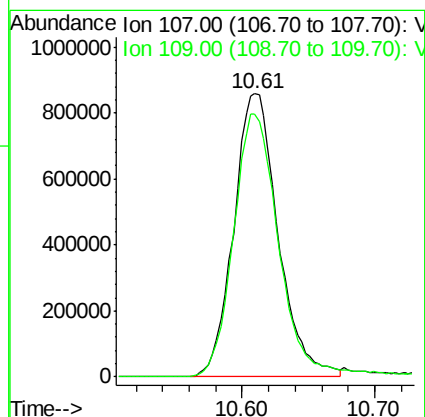
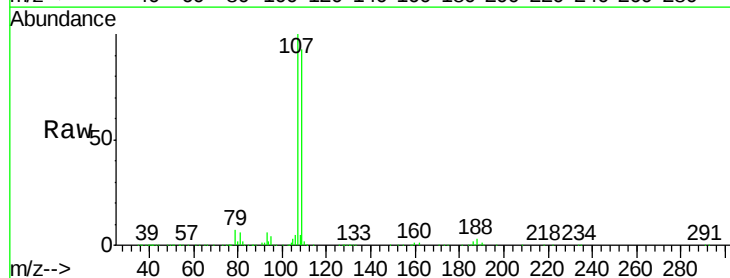
Acq: 20 Oct 2021 14:41

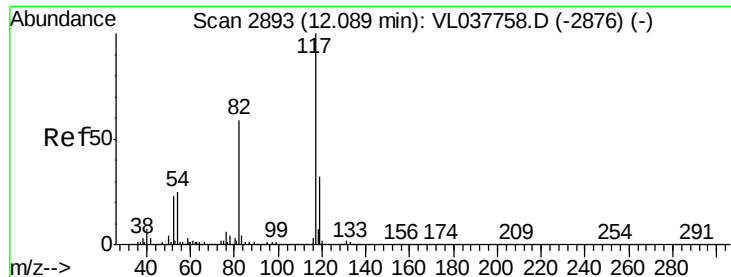
Tgt Ion: 107 Resp: 1977954

Ion Ratio Lower Upper

107 100

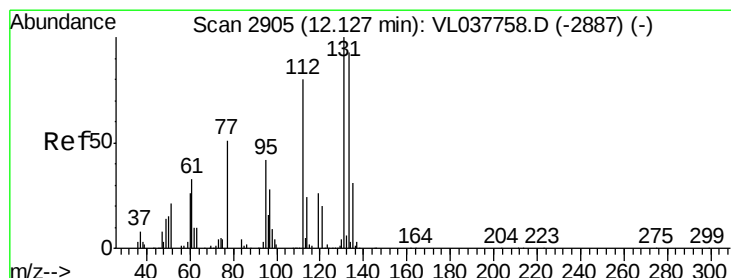
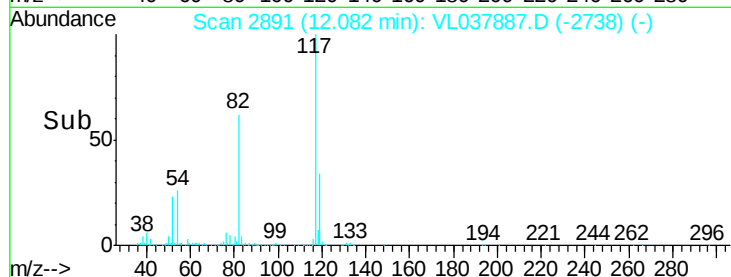
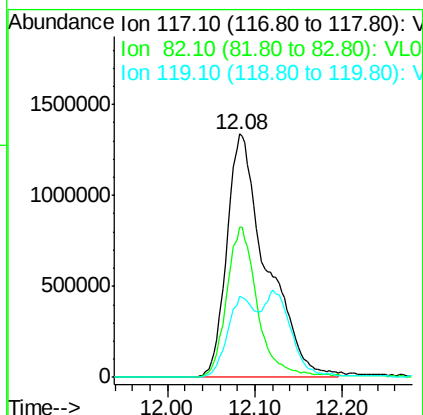
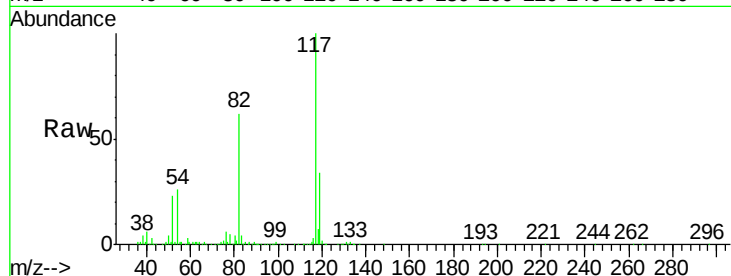
109 93.0 73.8 110.6





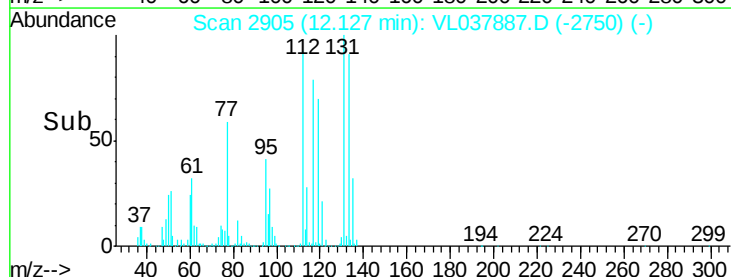
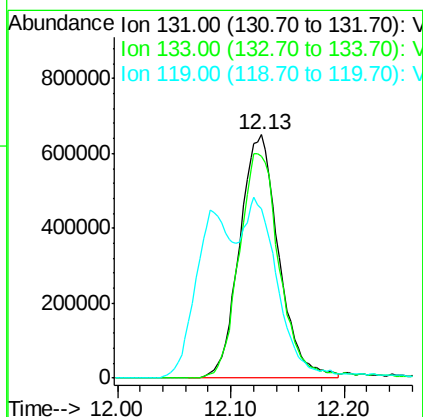
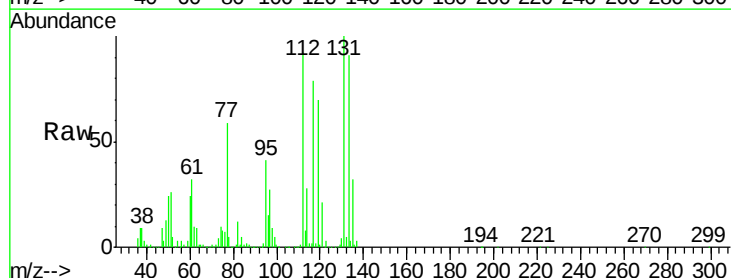
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 20 Oct 2021 14:41

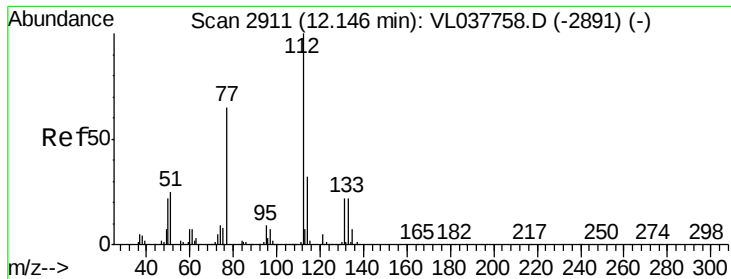
Tgt Ion:117 Resp: 4225646
Ion Ratio Lower Upper
117 100
82 49.0 52.2 78.2#
119 23.7 26.0 39.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.931 ppbv
RT: 12.13 min Scan# 2905
Delta R.T.: -0.00 min
Lab File: VL037887.D
Acq: 20 Oct 2021 14:41

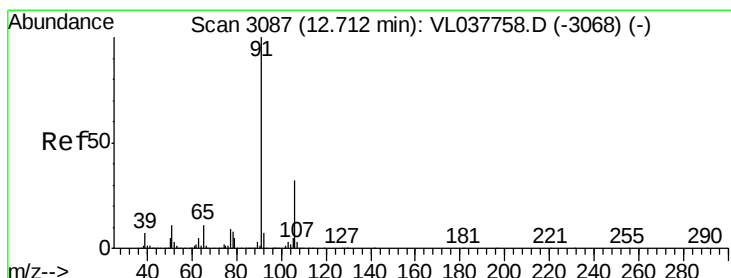
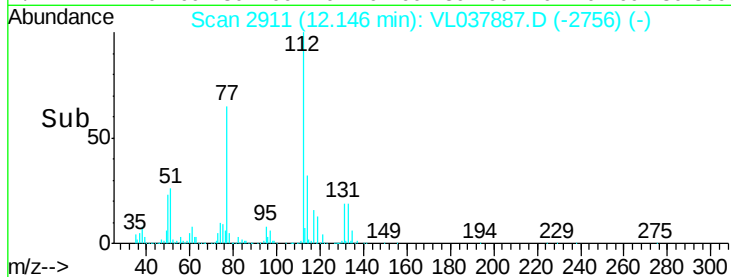
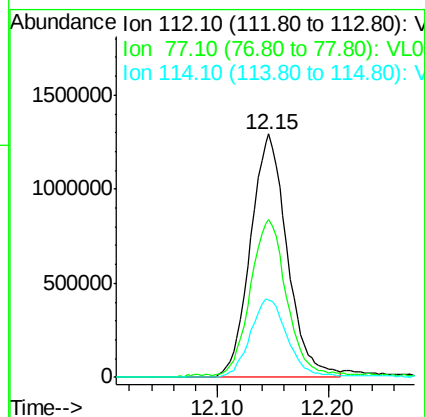
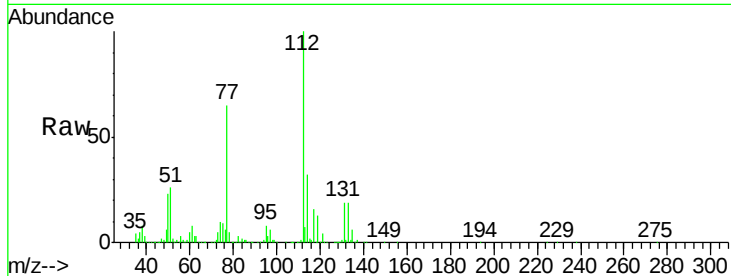
Tgt Ion:131 Resp: 1562325
Ion Ratio Lower Upper
131 100
133 97.8 78.5 117.7
119 69.7 51.7 77.5





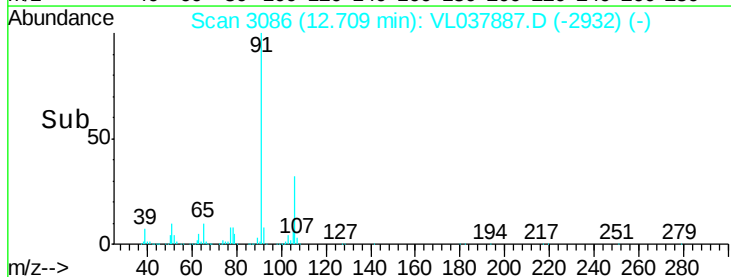
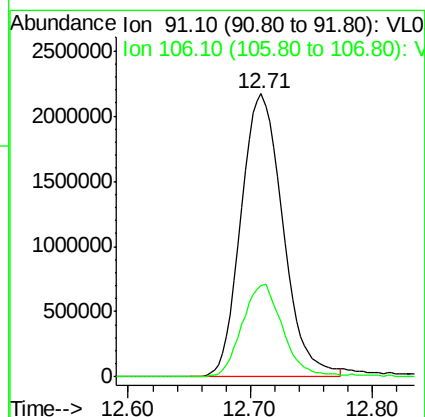
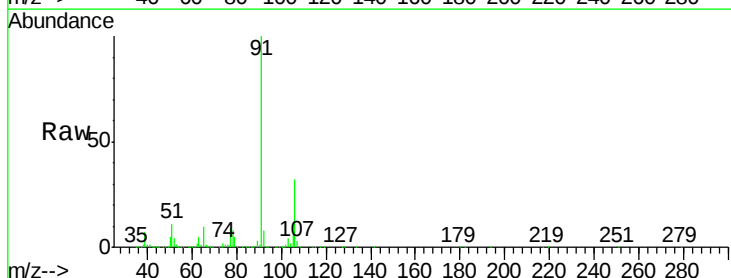
#57
Chlorobenzene
Concen: 8.611 ppbv
RT: 12.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 20 Oct 2021 14:41

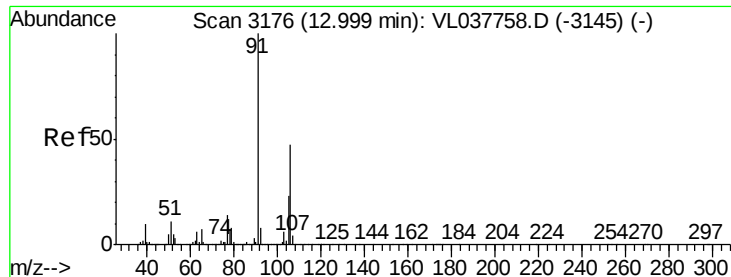
Tgt Ion: 112 Resp: 2984954
Ion Ratio Lower Upper
112 100
77 64.0 51.8 77.8
114 31.8 28.8 35.2



#58
Ethyl Benzene
Concen: 9.115 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL037887.D
Acq: 20 Oct 2021 14:41

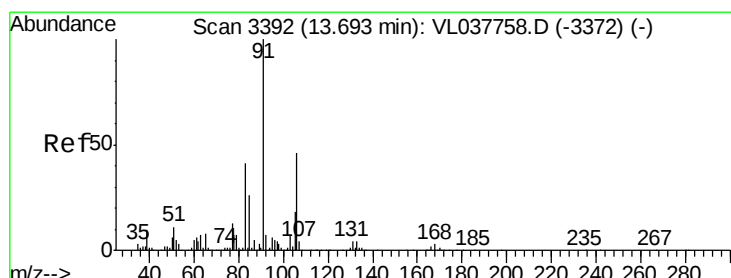
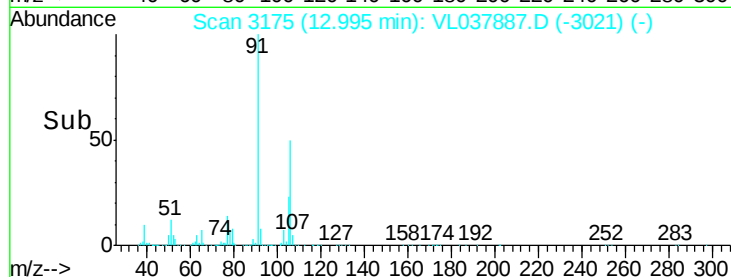
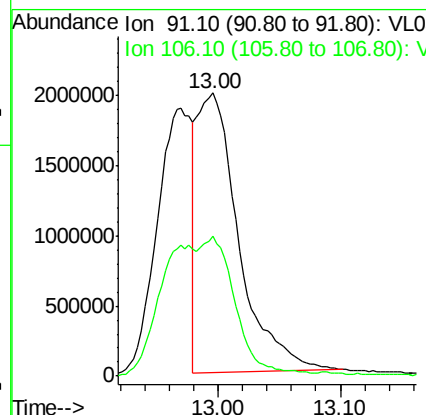
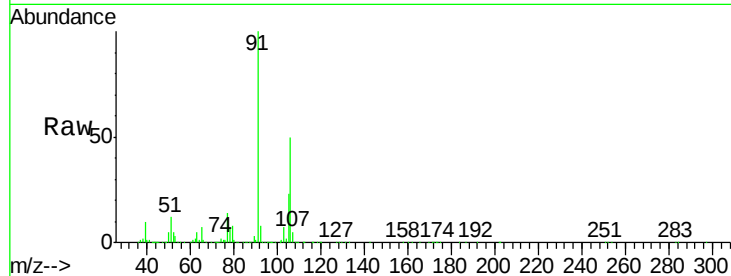
Tgt Ion: 91 Resp: 5172178
Ion Ratio Lower Upper
91 100
106 32.5 25.3 37.9





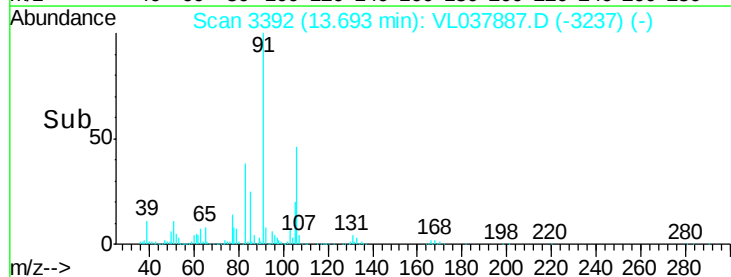
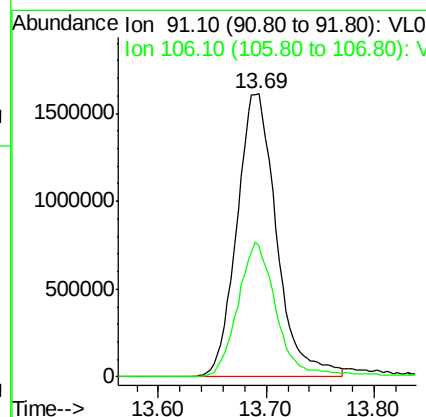
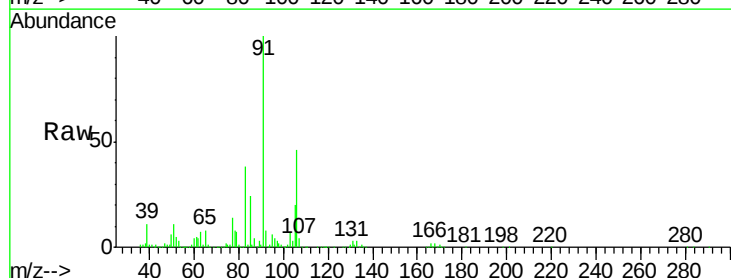
#59
m/p-Xylene
Concen: 9.603 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 20 Oct 2021 14:41

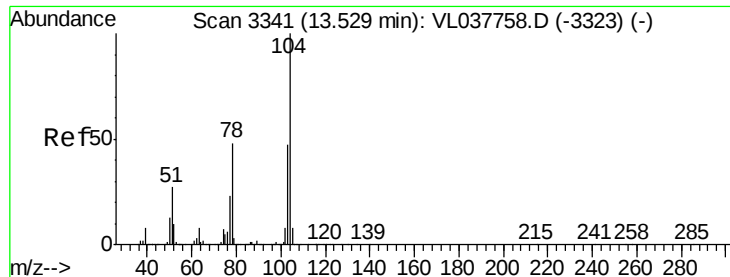
Tgt Ion: 91 Resp: 4677456
Ion Ratio Lower Upper
91 100
106 87.6 36.7 55.1#



#60
o-Xylene
Concen: 8.796 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL037887.D
Acq: 20 Oct 2021 14:41

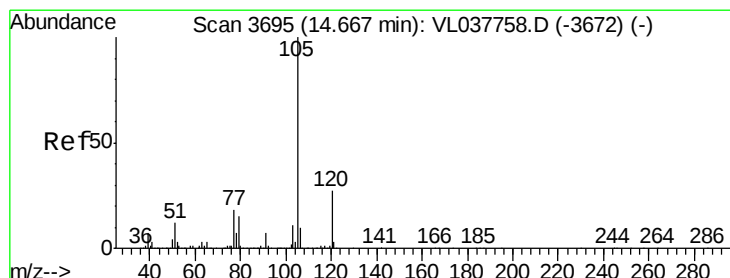
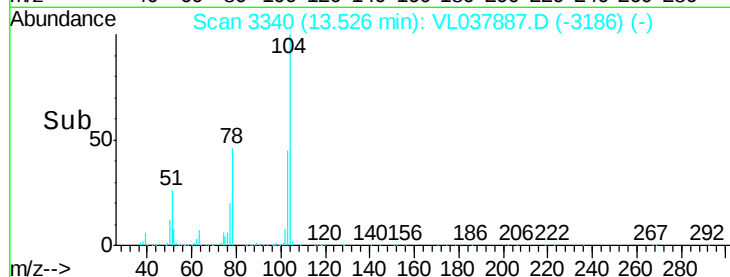
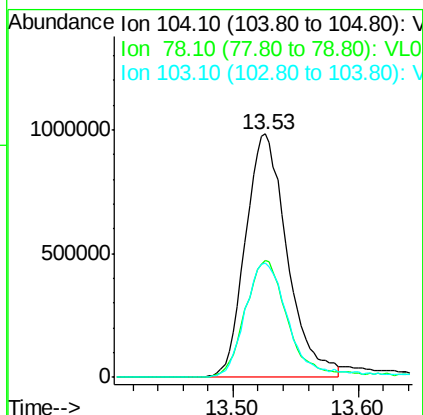
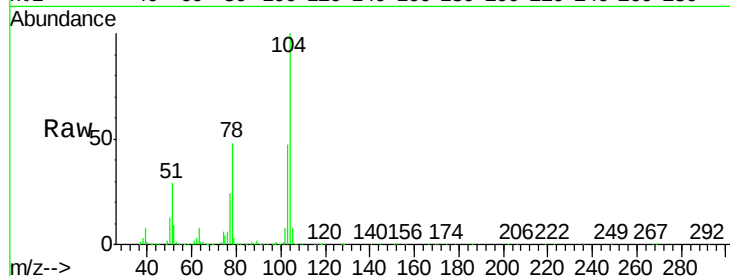
Tgt Ion: 91 Resp: 4105909
Ion Ratio Lower Upper
91 100
106 47.6 23.5 70.5





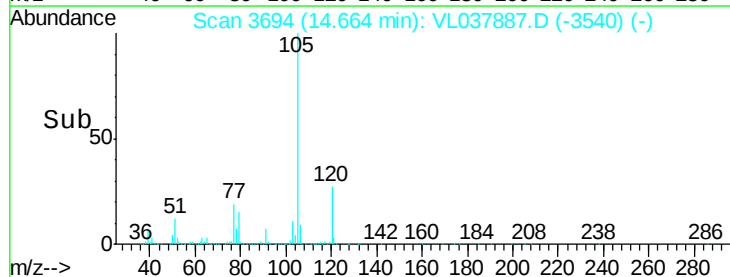
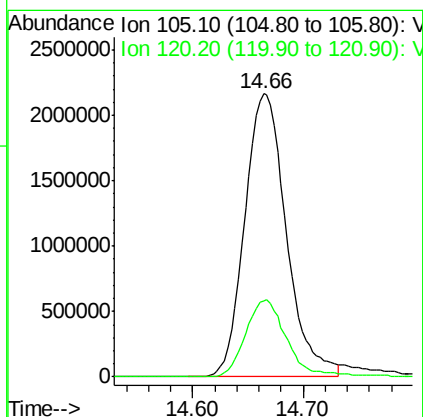
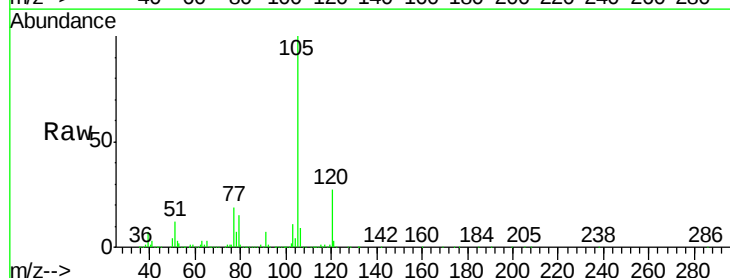
#61
Styrene
Concen: 10.100 ppbv
RT: 13.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 20 Oct 2021 14:41

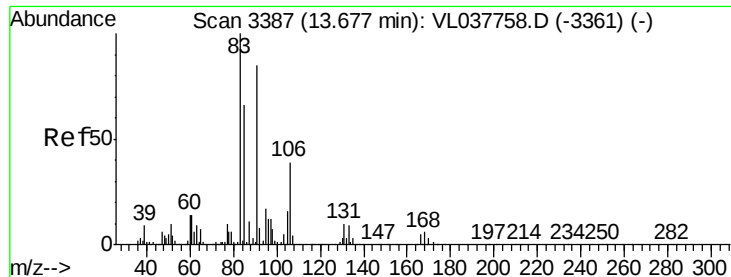
Tgt Ion:104 Resp: 2280394
Ion Ratio Lower Upper
104 100
78 49.8 40.6 61.0
103 49.7 39.6 59.4



#62
Isopropylbenzene
Concen: 8.689 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VL037887.D
Acq: 20 Oct 2021 14:41

Tgt Ion:105 Resp: 5657543
Ion Ratio Lower Upper
105 100
120 27.5 21.3 31.9





#63

1,1,2,2-Tetrachloroethane

Concen: 8.327 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 14:41 VSTDCCC010EC

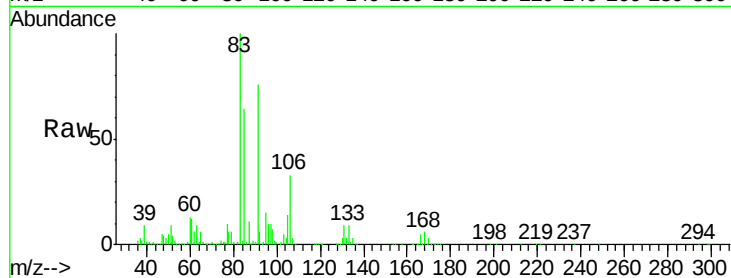
Tgt Ion: 83 Resp: 2999280

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

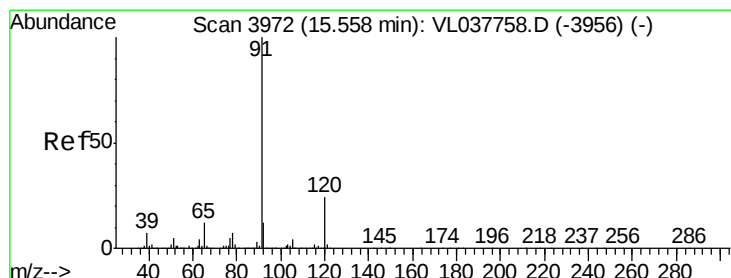
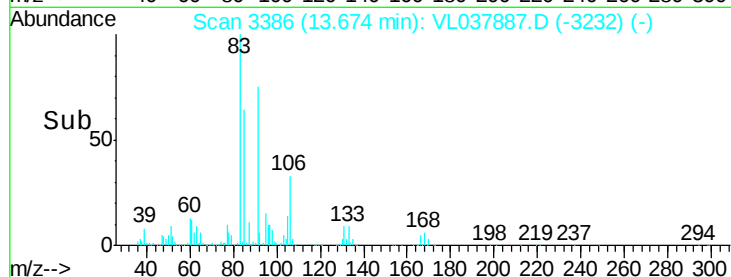
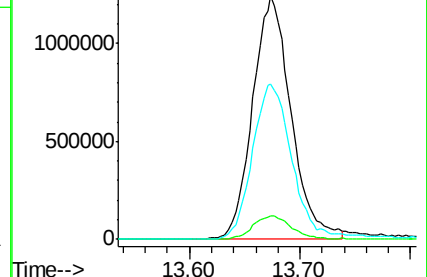
85 68.0 33.1 99.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.216 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VL037887.D

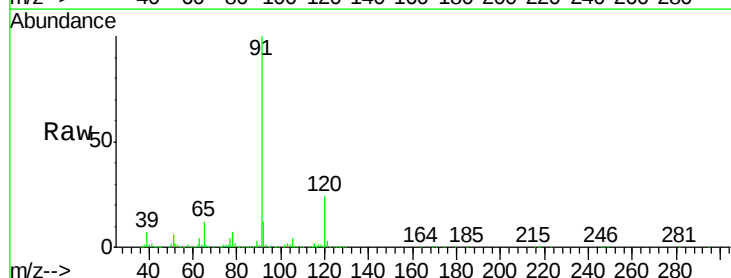
Acq: 20 Oct 2021 14:41

Tgt Ion: 120 Resp: 1496327

Ion Ratio Lower Upper

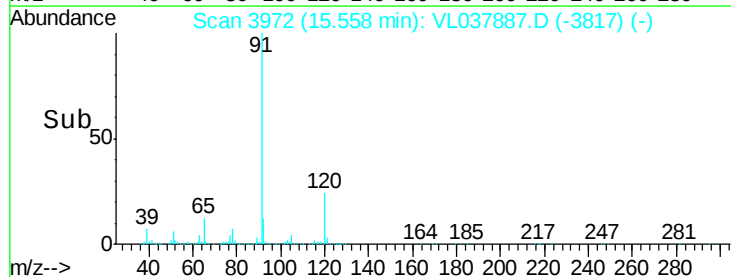
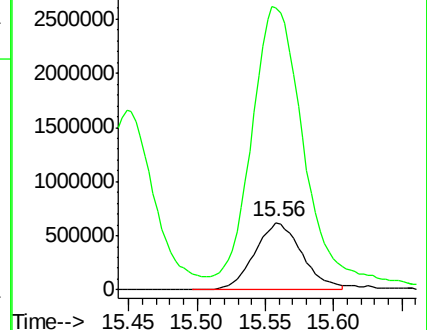
120 100

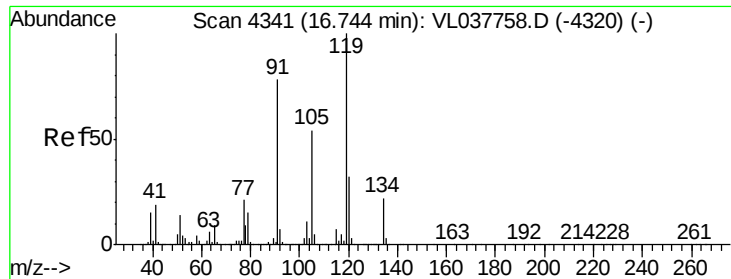
91 484.5 375.0 562.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

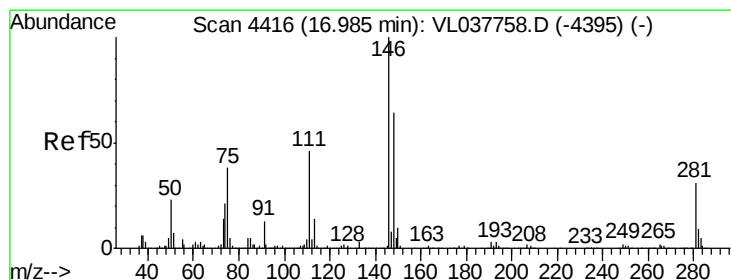
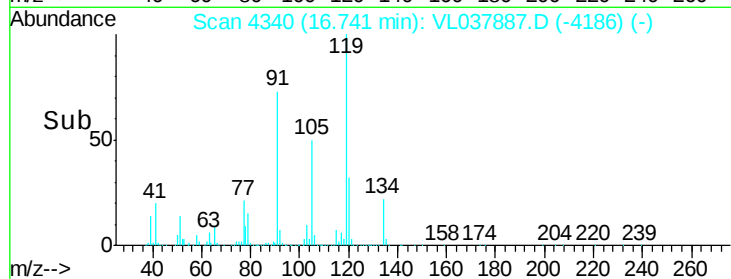
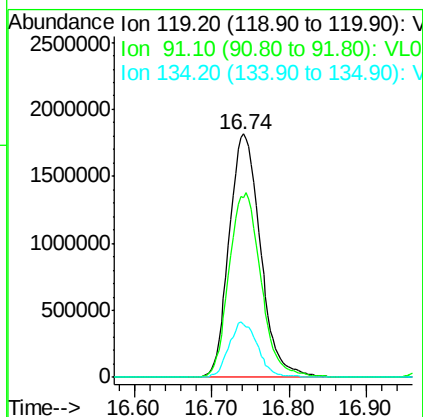
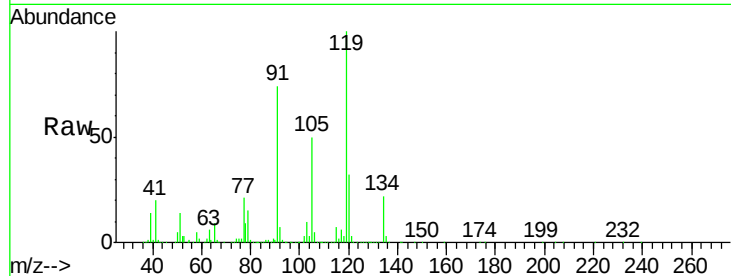
Ion 91.10 (90.80 to 91.80): VL0





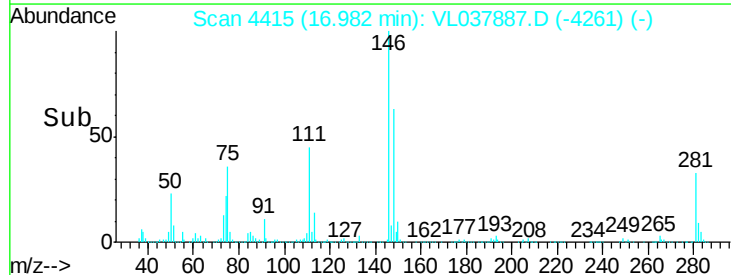
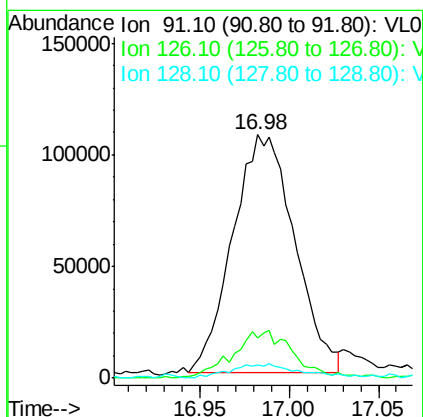
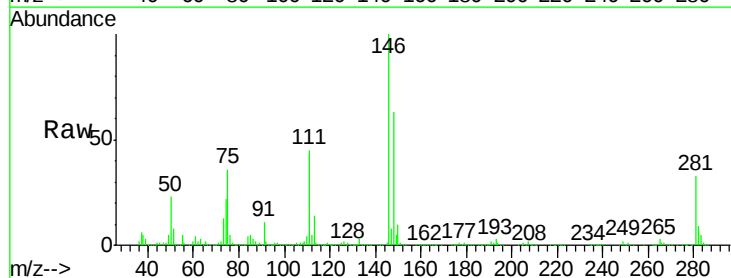
#65
 tert-Butylbenzene
 Concen: 8.888 ppbv
 RT: 16.74 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

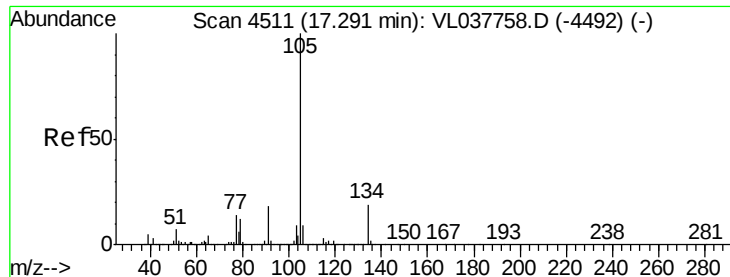
Tgt Ion: 119 Resp: 5092493
 Ion Ratio Lower Upper
 119 100
 91 77.2 62.6 94.0
 134 20.9 16.3 24.5



#66
 Benzyl Chloride
 Concen: 9.130 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.00 min
 Lab File: VL037887.D
 Acq: 20 Oct 2021 14:41

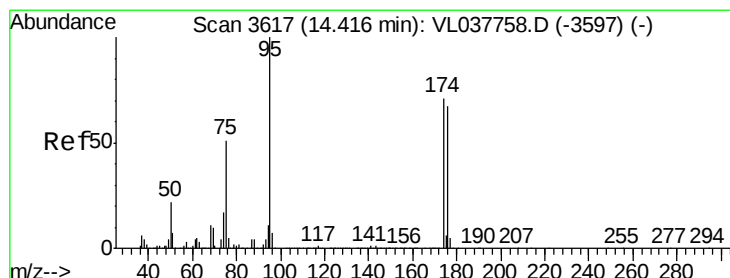
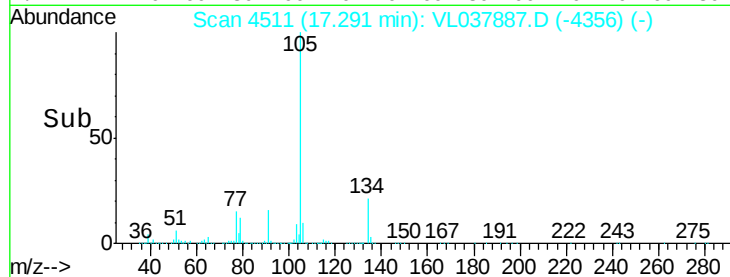
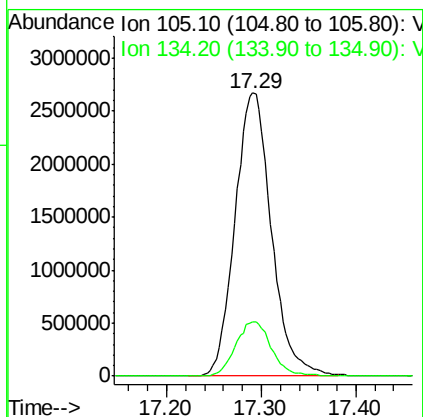
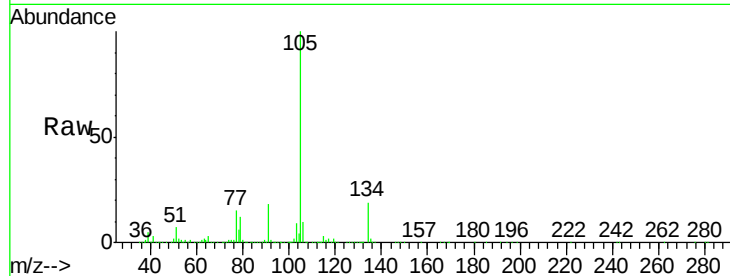
Tgt Ion: 91 Resp: 258148
 Ion Ratio Lower Upper
 91 100
 126 19.6 0.0 0.0#
 128 8.8 5.3 7.9#





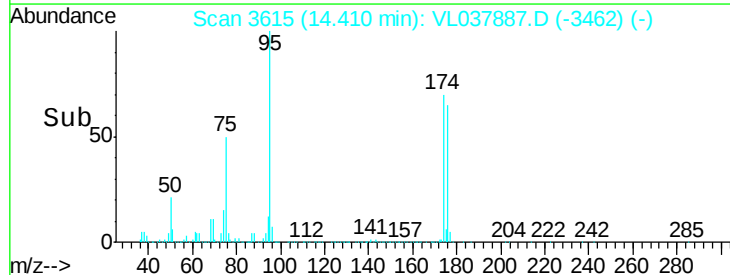
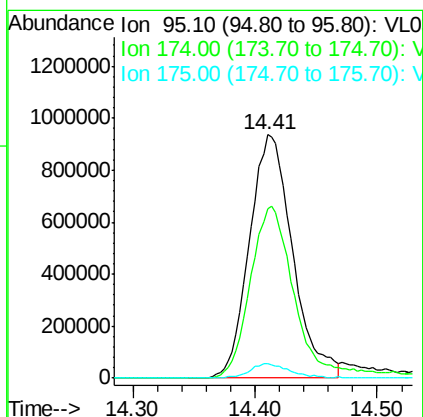
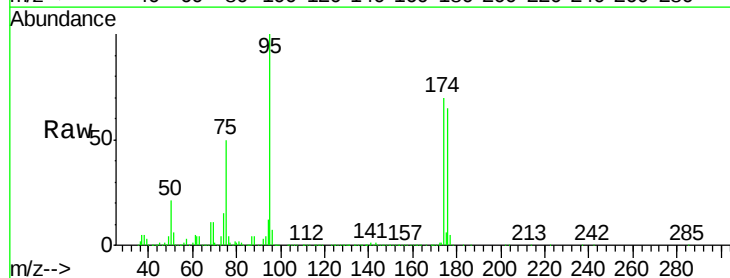
#67
 sec-Butylbenzene
 Concen: 9.100 ppbv
 RT: 17.29 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

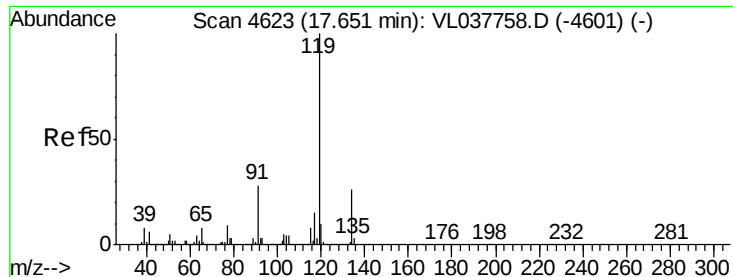
Tgt Ion: 105 Resp: 7130376
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.763 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T.: -0.01 min
 Lab File: VL037887.D
 Acq: 20 Oct 2021 14:41

Tgt Ion: 95 Resp: 2293838
 Ion Ratio Lower Upper
 95 100
 174 75.0 57.8 86.6
 175 5.9 4.7 7.1

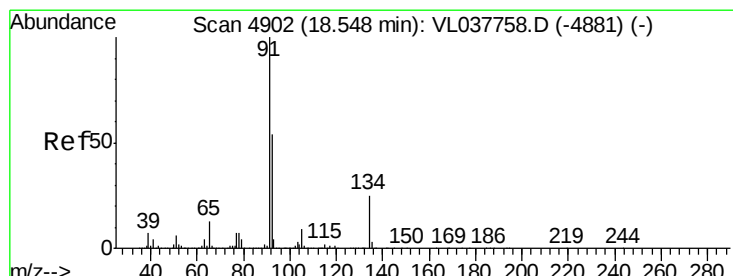
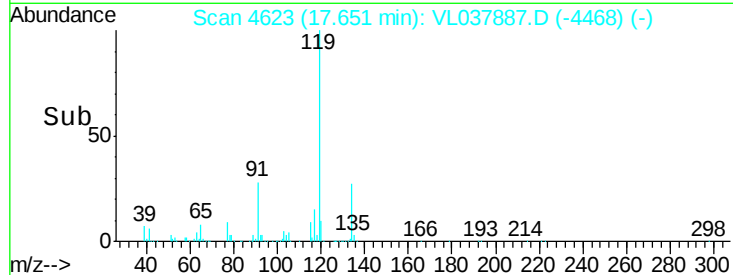
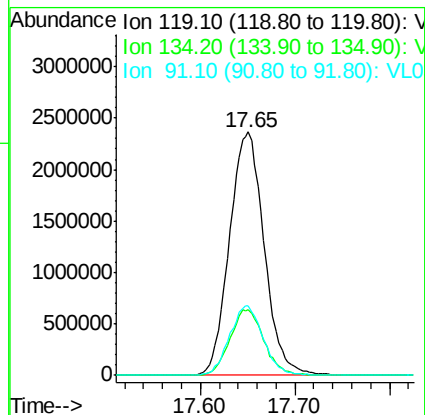
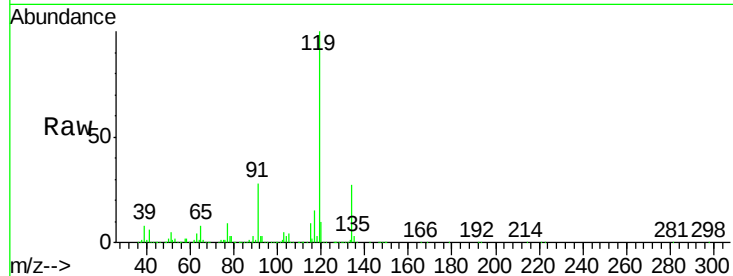




#69
 p-Isopropyltoluene
 Concen: 9.484 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

Tgt Ion: 119 Resp: 6008041

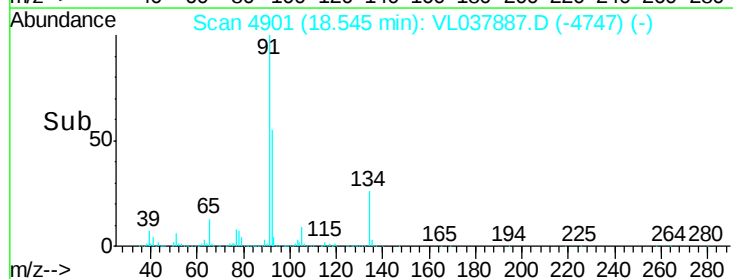
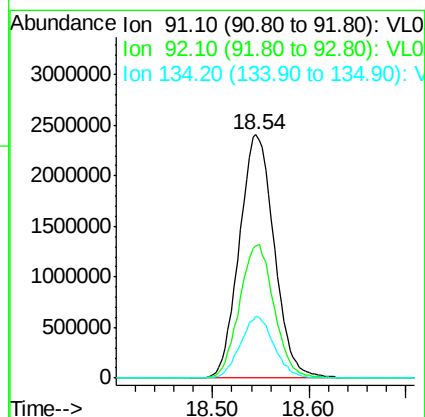
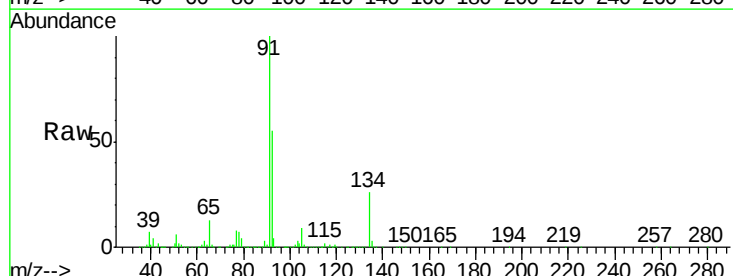
Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.2	31.8
91	27.6	22.2	33.4

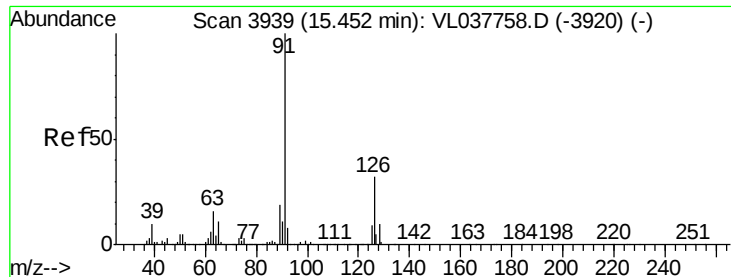


#70
 n-Butylbenzene
 Concen: 10.030 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. -0.00 min
 Lab File: VL037887.D
 Acq: 20 Oct 2021 14:41

Tgt Ion: 91 Resp: 6036486

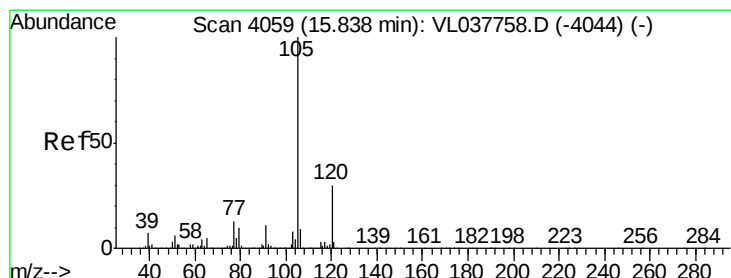
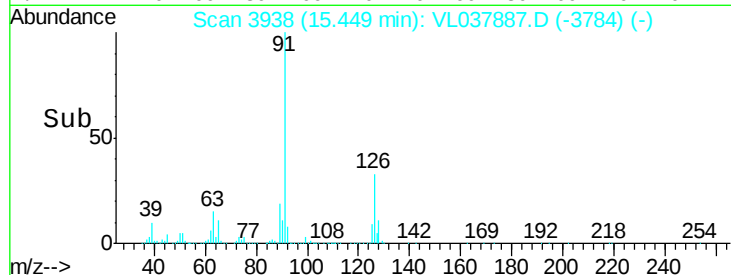
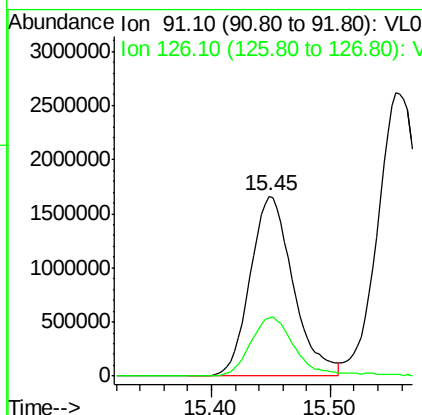
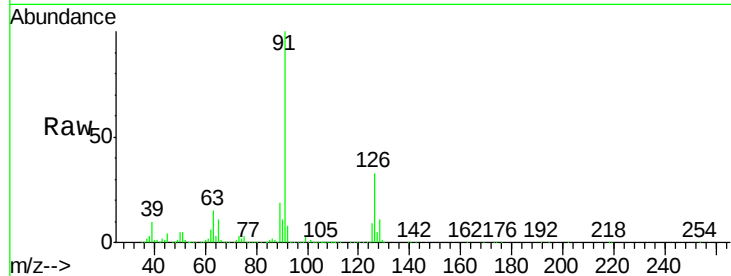
Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.4	65.0
134	24.5	19.8	29.6





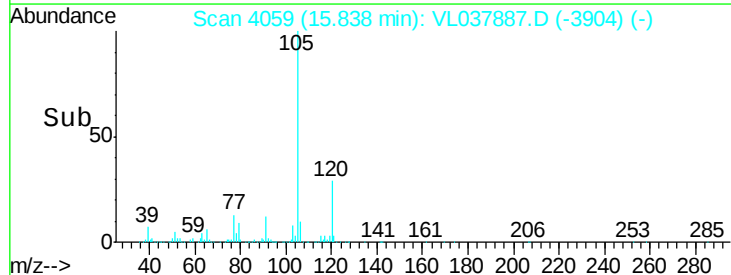
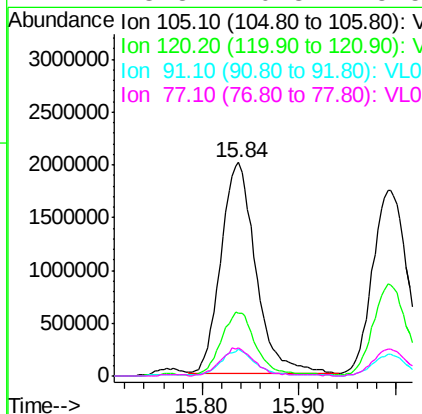
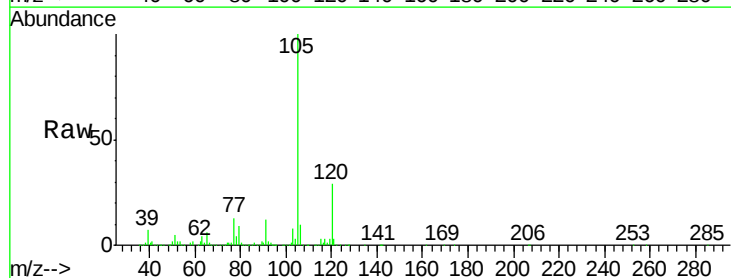
#71
 2-Chlorotoluene
 Concen: 9.013 ppbv
 RT: 15.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

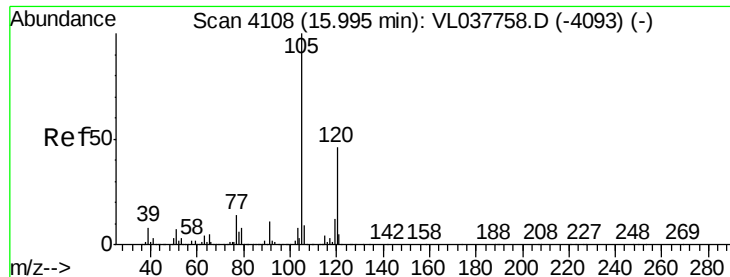
Tgt Ion: 91 Resp: 4143752
 Ion Ratio Lower Upper
 91 100
 126 34.9 13.6 54.6



#72
 4-Ethyltoluene
 Concen: 9.467 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. -0.00 min
 Lab File: VL037887.D
 Acq: 20 Oct 2021 14:41

Tgt Ion: 105 Resp: 5017580
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.2 36.2
 91 12.0 10.4 15.6
 77 13.8 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 9.159 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

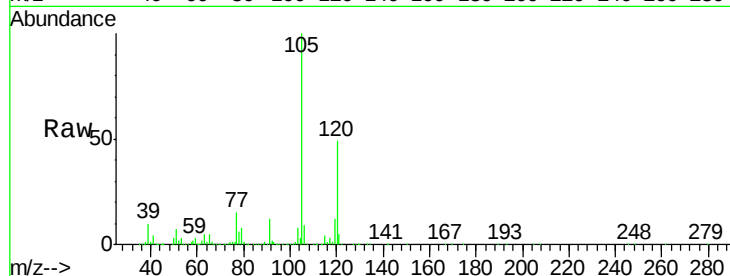
Acq: 20 Oct 2021 14:41

Tgt Ion:105 Resp: 4409371

Ion Ratio Lower Upper

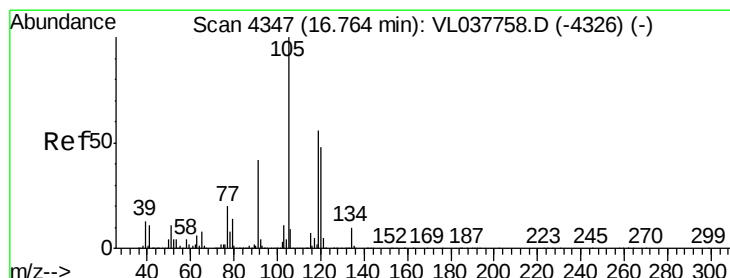
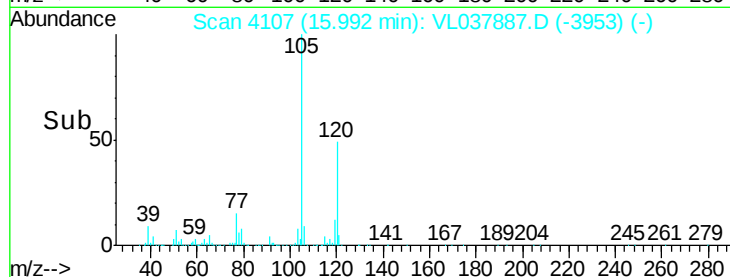
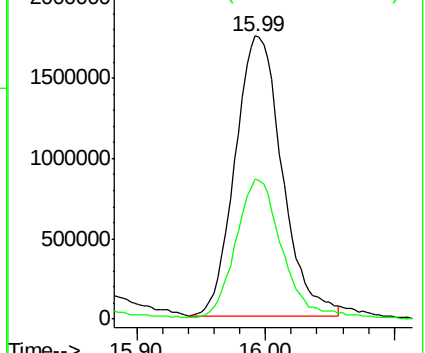
105 100

120 49.4 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.206 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

Tgt Ion:105 Resp: 4654346

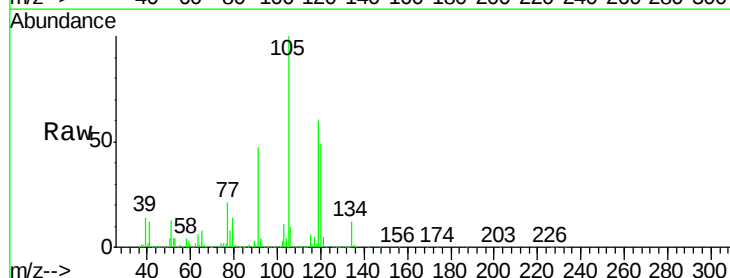
Ion Ratio Lower Upper

105 100

120 49.0 38.4 57.6

91 47.3 34.2 51.2

77 21.1 15.8 23.8

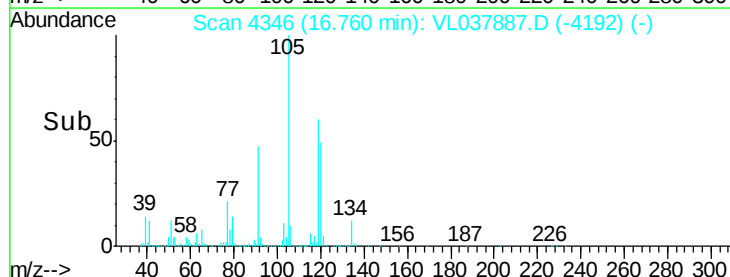
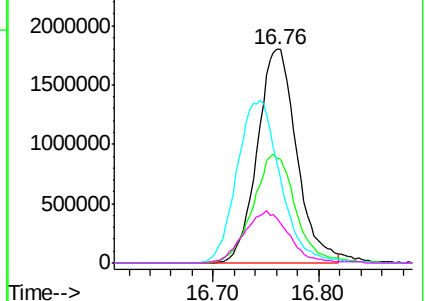


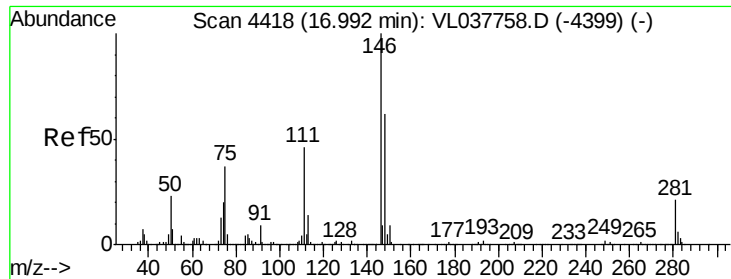
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

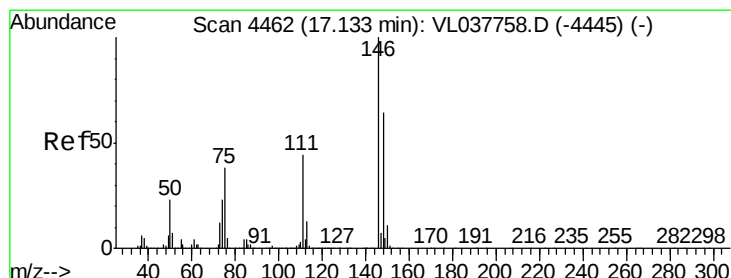
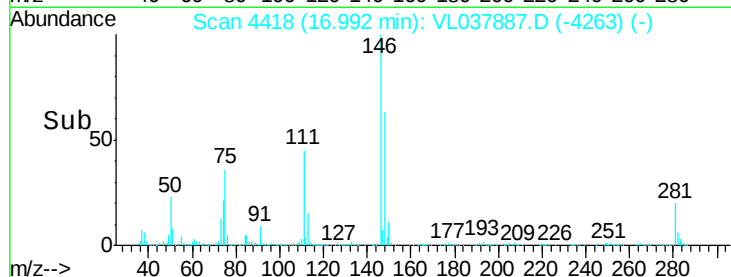
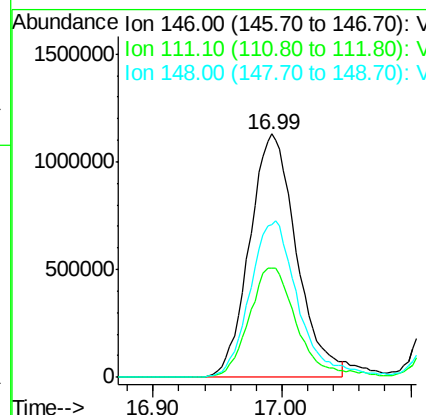
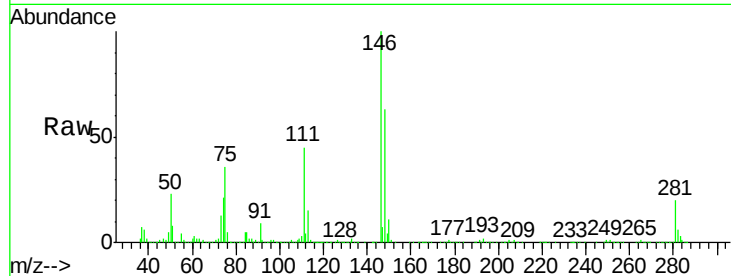
Ion 77.10 (76.80 to 77.80): VL0





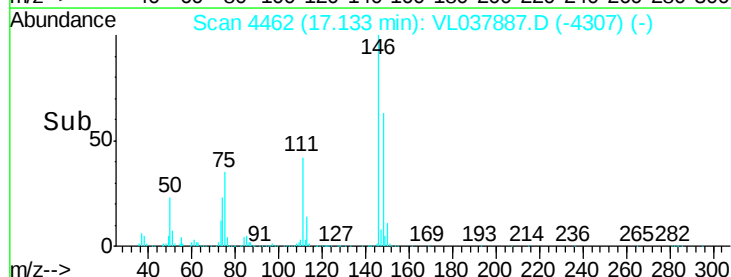
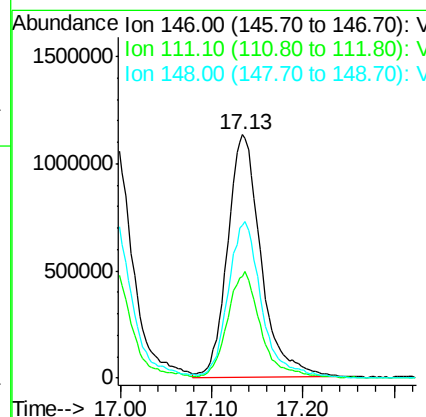
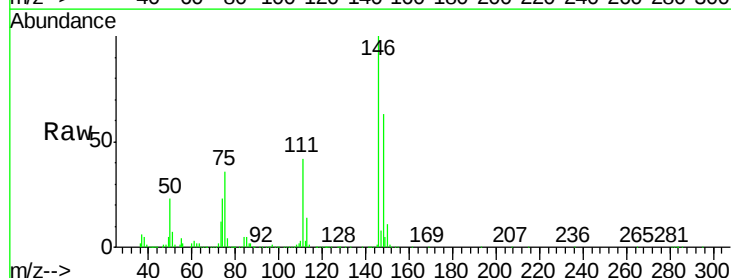
#75
 1,3-Dichlorobenzene
 Concen: 9.135 ppbv
 RT: 16.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

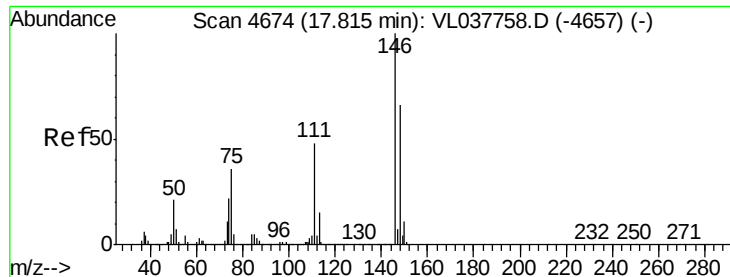
Tgt Ion:146 Resp: 2861203
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.8 68.4
 148 66.1 32.8 98.3



#76
 1,4-Dichlorobenzene
 Concen: 9.654 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. -0.00 min
 Lab File: VL037887.D
 Acq: 20 Oct 2021 14:41

Tgt Ion:146 Resp: 2884498
 Ion Ratio Lower Upper
 146 100
 111 43.8 22.4 67.3
 148 64.6 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 9.434 ppbv

RT: 17.81 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 14:41 VSTDCCC010EC

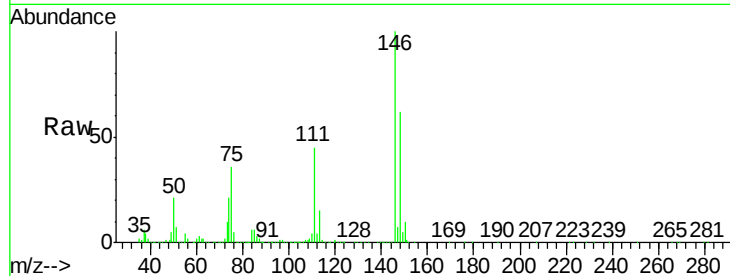
Tgt Ion:146 Resp: 2838592

Ion Ratio Lower Upper

146 100

111 46.3 23.6 70.8

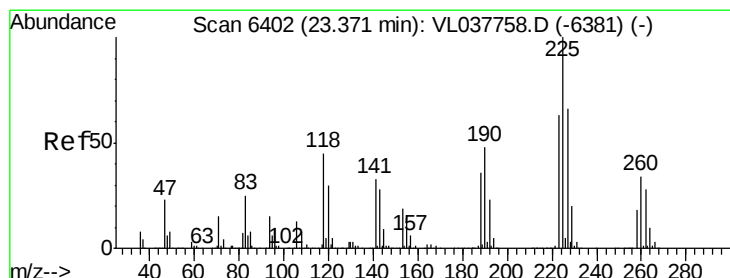
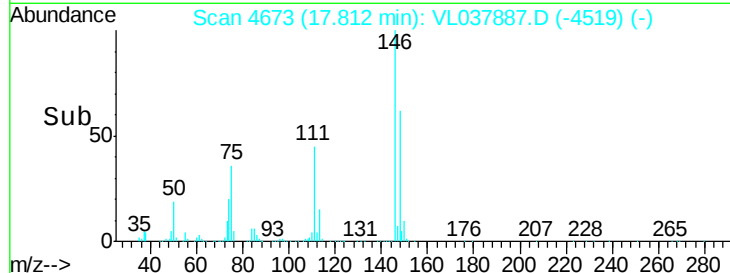
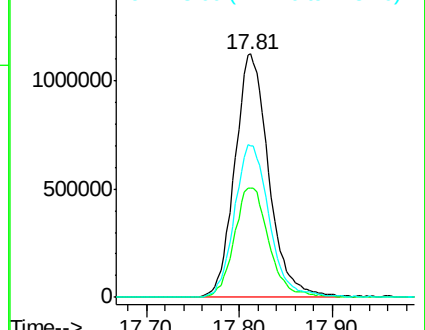
148 64.6 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.457 ppbv

RT: 23.37 min Scan# 6402

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

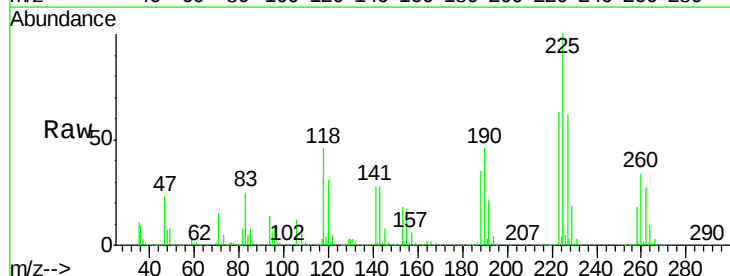
Tgt Ion:225 Resp: 2077704

Ion Ratio Lower Upper

225 100

223 64.2 51.2 76.8

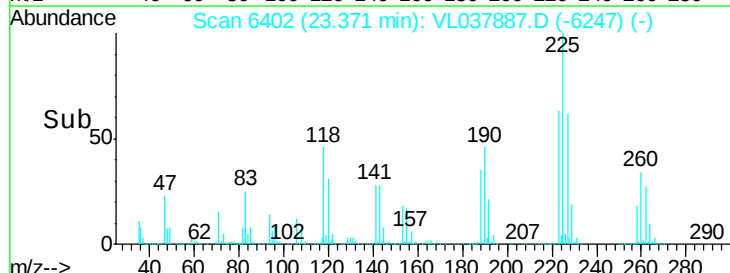
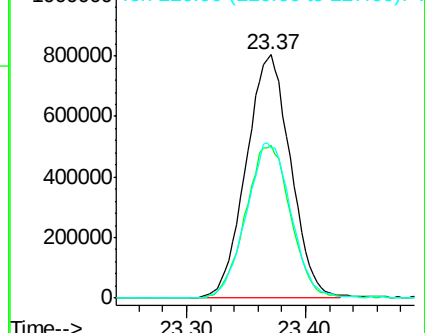
227 64.7 51.1 76.7

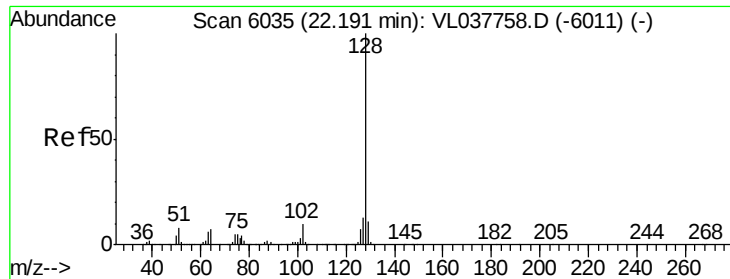


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.382 ppbv

RT: 22.19 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 14:41

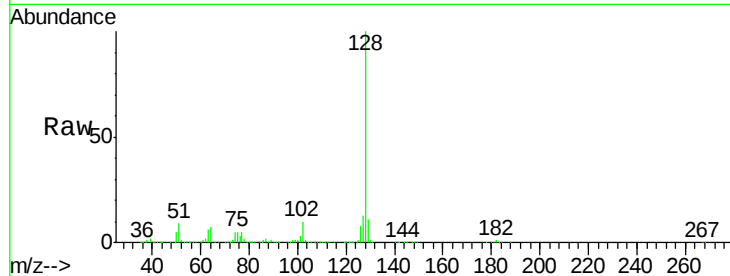
Tgt Ion:128 Resp: 3524016

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

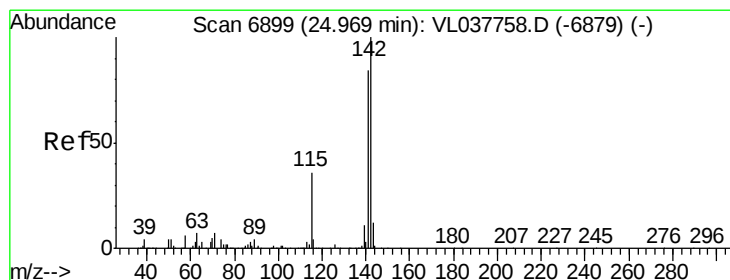
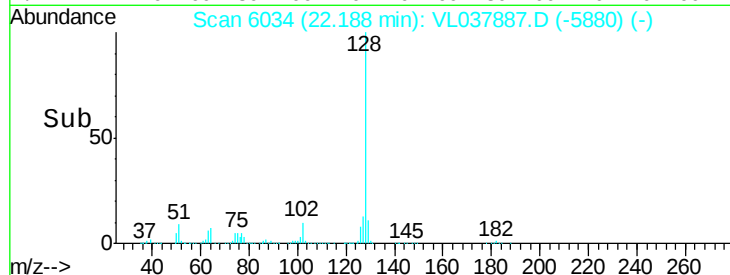
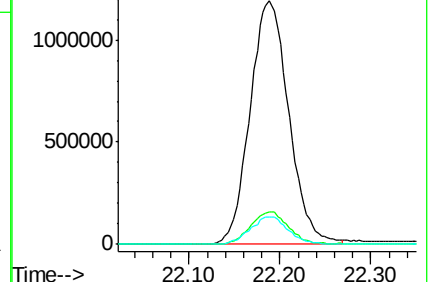
129 11.2 9.1 13.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.639 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL037887.D

Acq: 20 Oct 2021 14:41

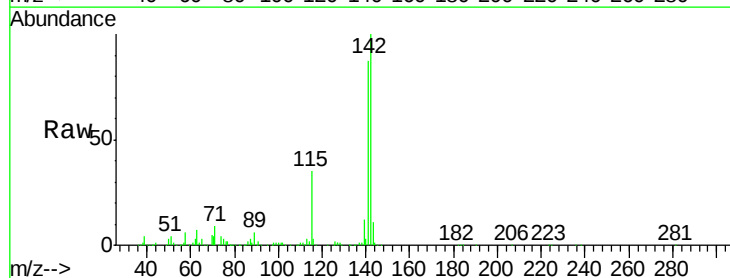
Tgt Ion:142 Resp: 884528

Ion Ratio Lower Upper

142 100

141 83.4 68.6 102.8

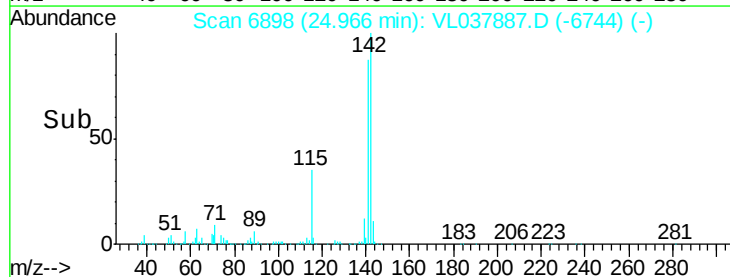
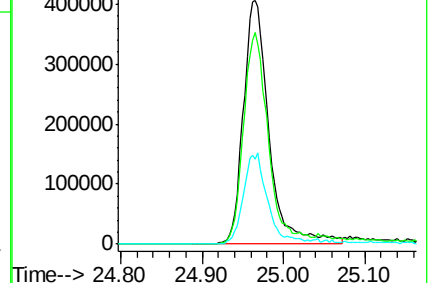
115 35.2 29.0 43.6

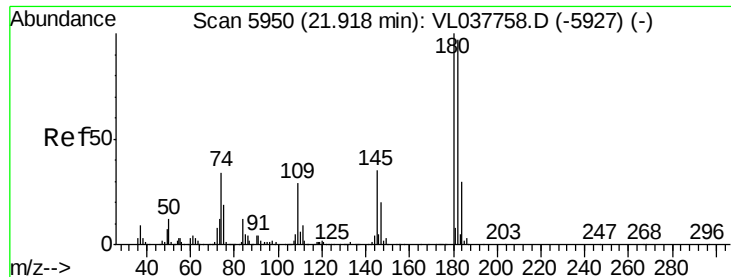


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

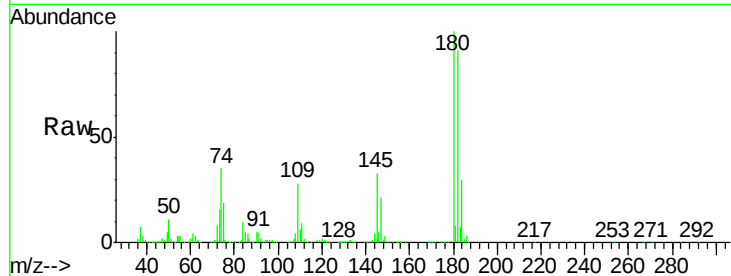
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.600 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Oct 2021 14:41

Tgt Ion:	180	Resp:	2099171
Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.6	116.4
184	31.5	25.0	37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

