

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037727.D
 Acq On : 29 Sep 2021 11:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Sep 29 22:21:56 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	5.67	49	1327396	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4019490	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4506661	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2541388	7.80	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1800542	7.496	ppbv	99
3) Chlorodifluoromethane	2.99	51	2605278	10.405	ppbv	98
4) Chloromethane	3.14	50	984146	10.639	ppbv	100
5) Vinyl Chloride	3.26	62	1005387	11.571	ppbv	99
6) Bromomethane	3.48	94	549012	10.871	ppbv	92
7) Chloroethane	3.56	64	345279	10.633	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2233178	10.777	ppbv	99
9) Propene	3.01	41	1030402	11.667	ppbv	93
10) Heptane	8.12	43	2422547	11.755	ppbv	99
11) Trichlorofluoromethane	3.95	101	1987218	10.305	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1537969	10.805	ppbv	97
13) Ethanol	3.62	45	74692	8.646	ppbv	100
14) Bromoethene	3.74	108	677088	10.450	ppbv	98
15) Acetone	3.85	43	1218912	8.838	ppbv	99
16) 1,3-Butadiene	3.33	39	987145	11.455	ppbv	98
17) tert-Butyl alcohol	4.29	59	1355803	11.593	ppbv	99
18) 1,1-Dichloroethene	4.29	96	699288	10.546	ppbv	93
19) Isopropyl Alcohol	3.97	45	775268	10.331	ppbv	99
20) Methylene Chloride	4.35	84	594486	9.029	ppbv	98
21) Allyl Chloride	4.41	41	1190478	11.554	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	736378	11.037	ppbv	99
23) Vinyl Acetate	5.07	43	2285569	11.976	ppbv	97
24) 1,1-Dichloroethane	5.01	63	1432891	10.481	ppbv	99
25) Ethyl Acetate	5.68	43	3718185	11.131	ppbv	100
26) Hexane	5.69	57	1775418	11.189	ppbv	99
27) Carbon Disulfide	4.55	76	1670764	11.510	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1581299	11.315	ppbv	100
29) Chloroform	5.75	83	2369226	10.226	ppbv	98
30) Cyclohexane	7.13	84	1460588	10.763	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1632896	11.336	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2252794	10.444	ppbv	99
34) 2-Butanone	5.24	43	1705053	10.439	ppbv	100
35) Carbon Tetrachloride	7.02	117	2304394	10.135	ppbv	98
36) Benzene	6.89	78	3607963	10.765	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1669012	10.125	ppbv	100
38) Trichloroethene	7.83	130	1408137	10.057	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1387641	10.809	ppbv	98
40) 1,4-Dioxane	7.83	88	317873	10.179	ppbv	65
41) Tetrahydrofuran	6.05	42	894262	11.646	ppbv	100
42) Bromodichloromethane	7.79	83	2501223	10.587	ppbv	99
43) Methyl Methacrylate	8.01	69	1320943	11.847	ppbv	99

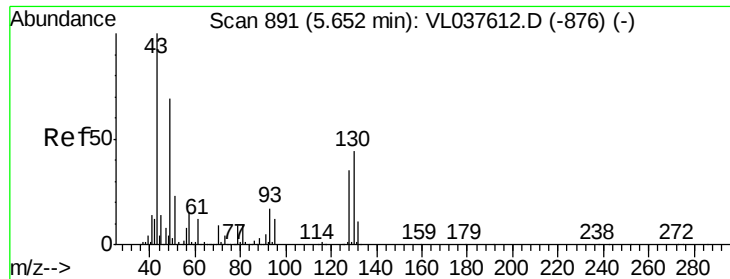
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037727.D
 Acq On : 29 Sep 2021 11:02
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Quant Time: Sep 29 22:21:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: 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)
44) 2,2,4-Trimethylpentane	7.87	57	6090091	10.808	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1113115	12.709	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1509577	12.760	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1403577	9.884	ppbv	97
48) Dibromochloromethane	10.30	129	2127451	10.739	ppbv	98
49) Bromoform	13.04	173	1660208	10.471	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2420863	11.677	ppbv	99
51) 2-Hexanone	10.13	43	1111166	12.147	ppbv #	98
52) Tetrachloroethene	11.22	164	1314819	10.218	ppbv	96
53) Toluene	9.81	91	4162423	11.173	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1999564	10.283	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1474595	7.888	ppbv #	90
57) Chlorobenzene	12.15	112	2880707	7.689	ppbv	97
58) Ethyl Benzene	12.71	91	5139157	8.590	ppbv	97
59) m/p-Xylene	12.99	91	4522561	8.675	ppbv #	36
60) o-Xylene	13.69	91	3931099	7.922	ppbv	98
61) Styrene	13.53	104	2221749	9.080	ppbv	98
62) Isopropylbenzene	14.66	105	5477708	7.902	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2749631	7.081	ppbv	100
64) n-propylbenzene	15.56	120	1434774	8.021	ppbv	83
65) tert-Butylbenzene	16.74	119	4828474	7.726	ppbv	100
66) Benzyl Chloride	16.98	91	285108	8.348	ppbv	97
67) sec-Butylbenzene	17.29	105	6708732	7.912	ppbv	100
69) p-Isopropyltoluene	17.65	119	5626703	8.122	ppbv	100
70) n-Butylbenzene	18.54	91	5503953	8.397	ppbv	99
71) 2-Chlorotoluene	15.45	91	3983912	8.020	ppbv	98
72) 4-Ethyltoluene	15.83	105	4818205	8.459	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4279297	8.060	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4377214	7.827	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2729433	7.856	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2571936	7.505	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2585250	7.845	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2130688	7.682	ppbv	100
79) Naphthalene	22.18	128	3741267	10.896	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	990040	12.615	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2162952	9.811	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02 VSTDCCC010EC

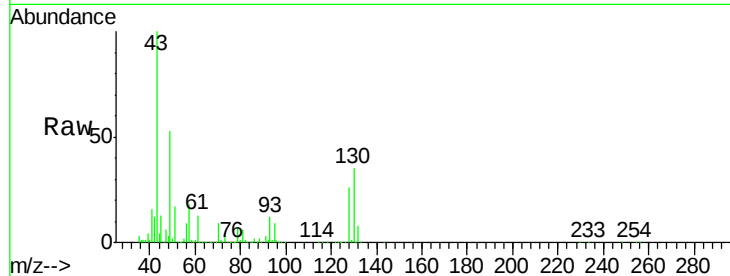
Tgt Ion: 49 Resp: 1327396

Ion Ratio Lower Upper

49 100

128 54.2 27.9 83.6

130 66.9 33.9 101.7



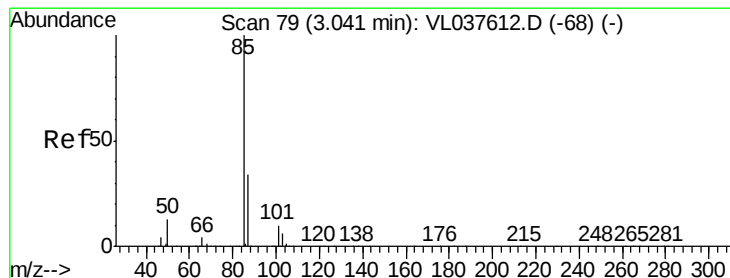
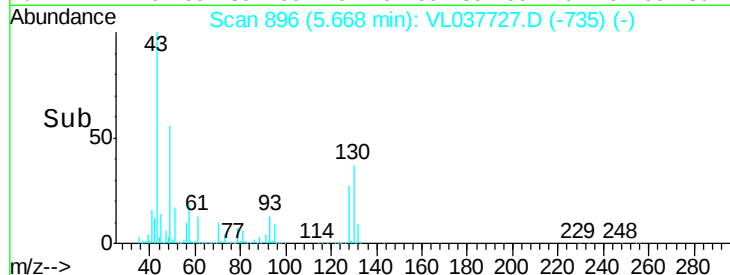
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 7.496 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL037727.D

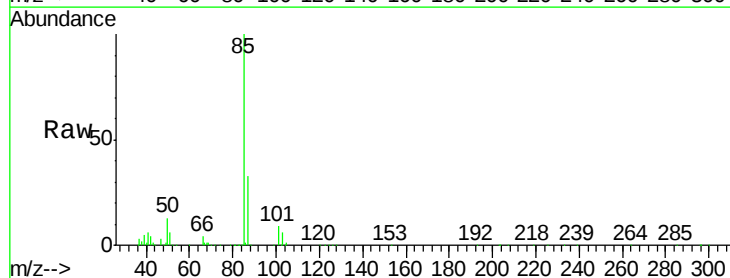
Acq: 29 Sep 2021 11:02

Tgt Ion: 85 Resp: 1800542

Ion Ratio Lower Upper

85 100

87 32.7 26.8 40.2

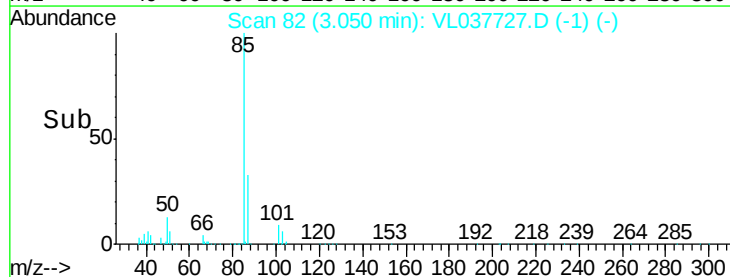


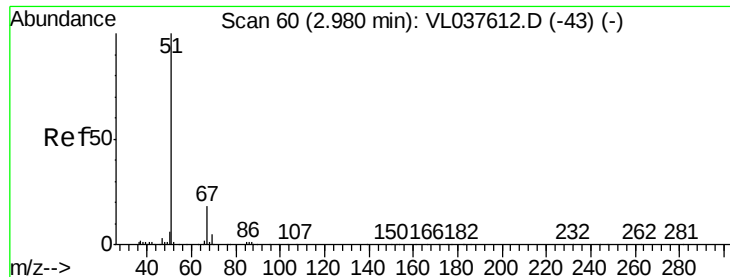
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->





#3

Chlorodifluoromethane

Concen: 10.405 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

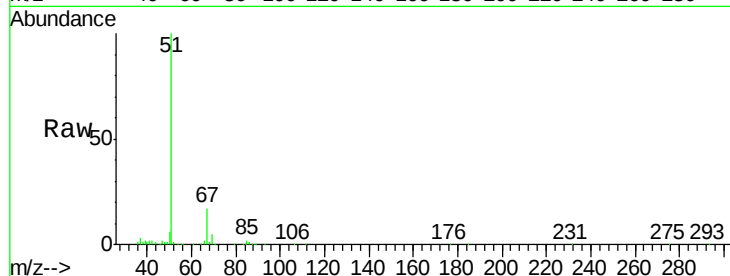
Acq: 29 Sep 2021 11:02 VSTDCCC010EC

Tgt Ion: 51 Resp: 2605278

Ion Ratio Lower Upper

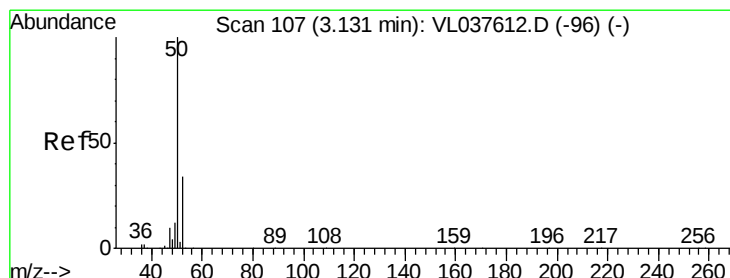
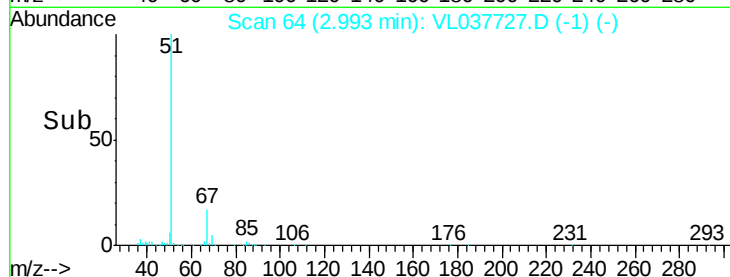
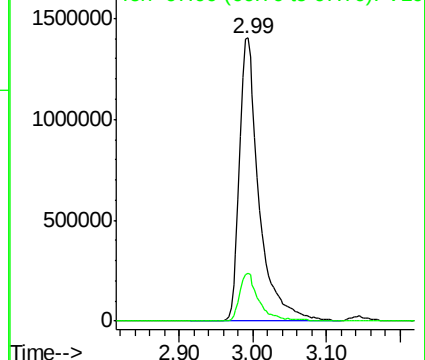
51 100

67 16.8 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.639 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL037727.D

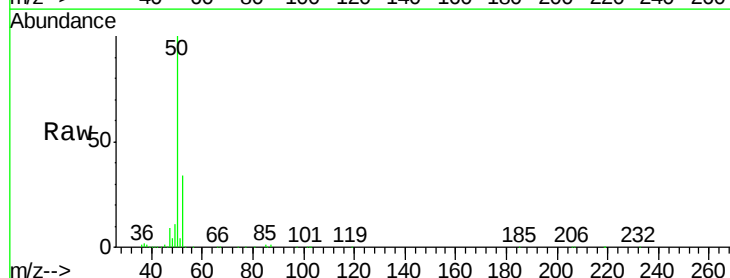
Acq: 29 Sep 2021 11:02

Tgt Ion: 50 Resp: 984146

Ion Ratio Lower Upper

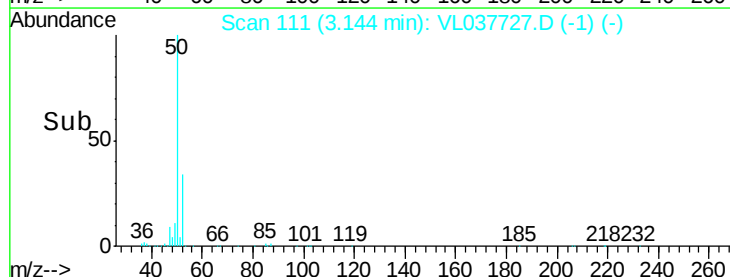
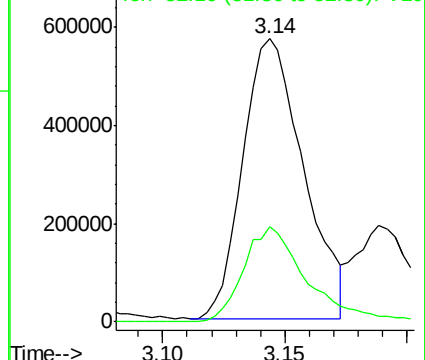
50 100

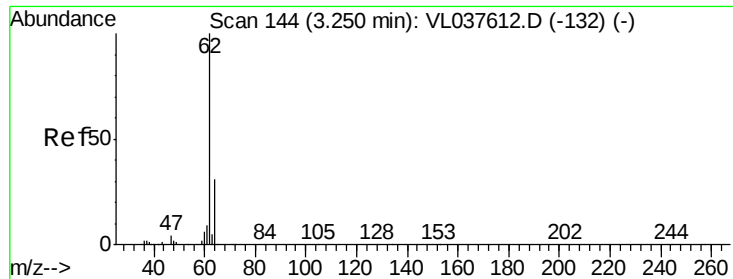
52 34.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.571 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

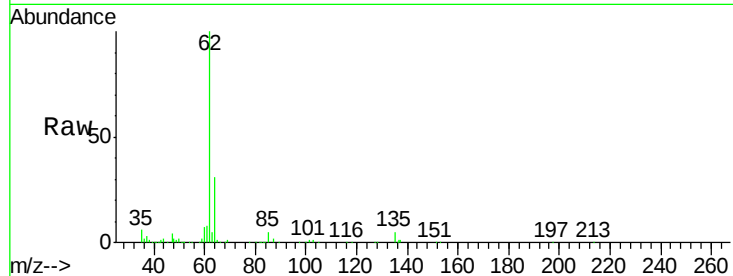
Acq: 29 Sep 2021 11:02

Tgt Ion: 62 Resp: 1005387

Ion Ratio Lower Upper

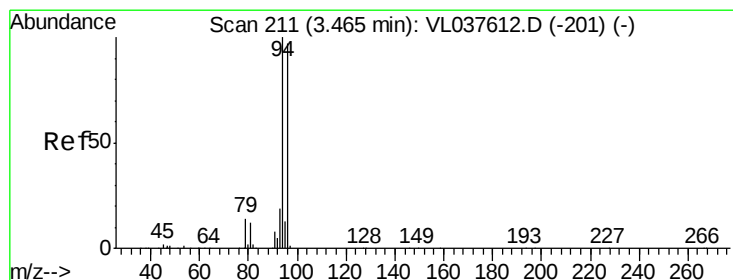
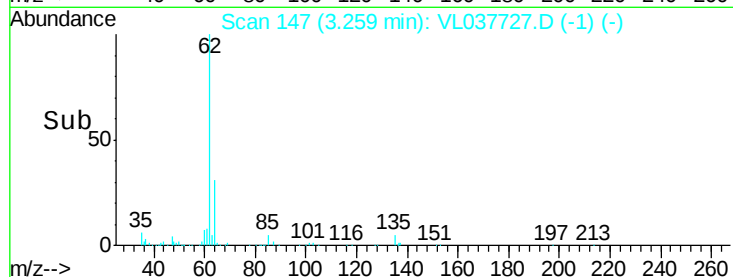
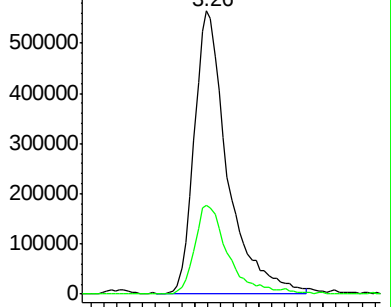
62 100

64 31.4 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.871 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037727.D

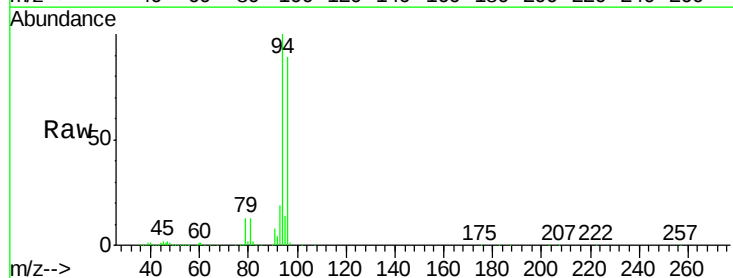
Acq: 29 Sep 2021 11:02

Tgt Ion: 94 Resp: 549012

Ion Ratio Lower Upper

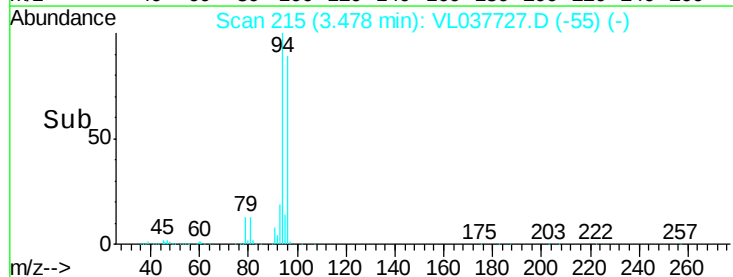
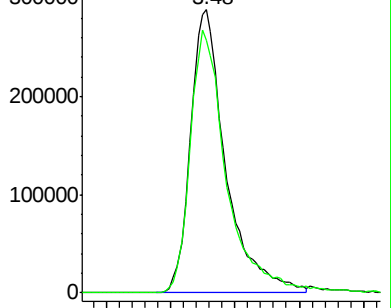
94 100

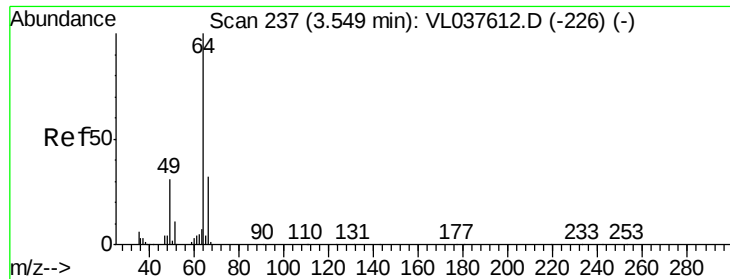
96 89.2 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.633 ppbv

RT: 3.56 Instrument: MSVOA_L

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

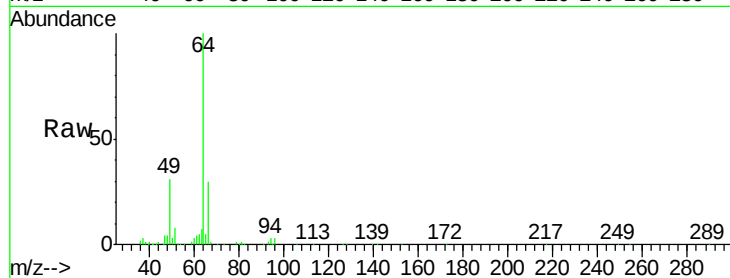
Acq: 29 Sep 2021 11:02

Tgt Ion: 64 Resp: 345279

Ion Ratio Lower Upper

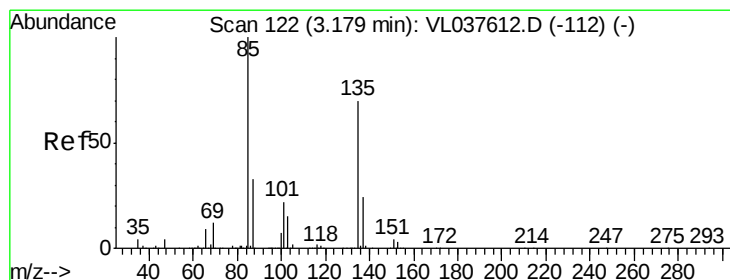
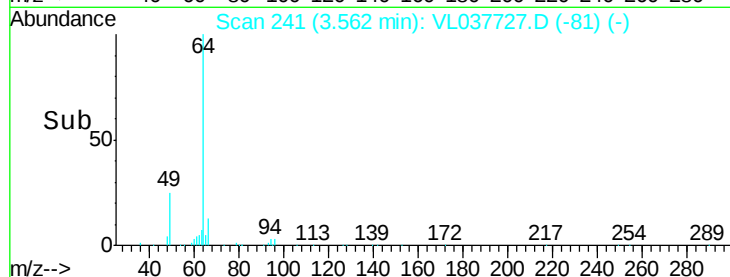
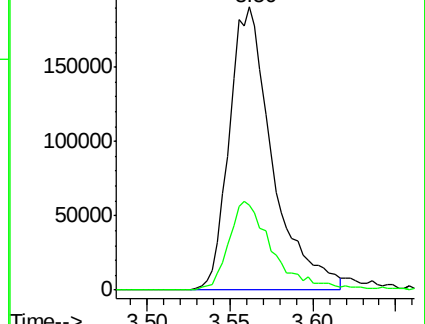
64 100

66 30.1 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: 10.777 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL037727.D

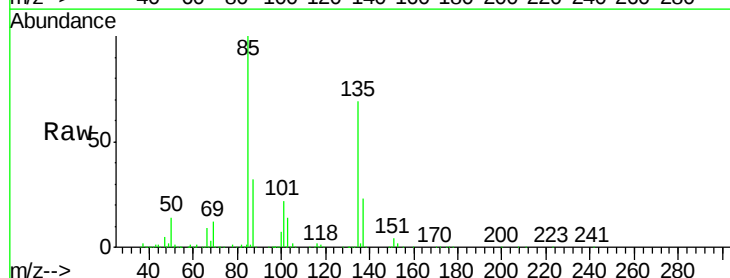
Acq: 29 Sep 2021 11:02

Tgt Ion: 85 Resp: 2233178

Ion Ratio Lower Upper

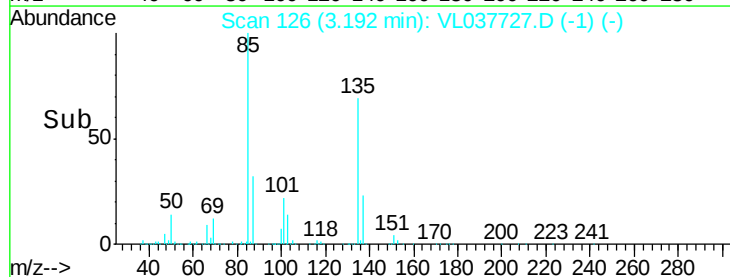
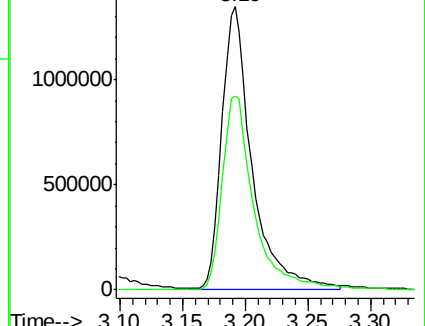
85 100

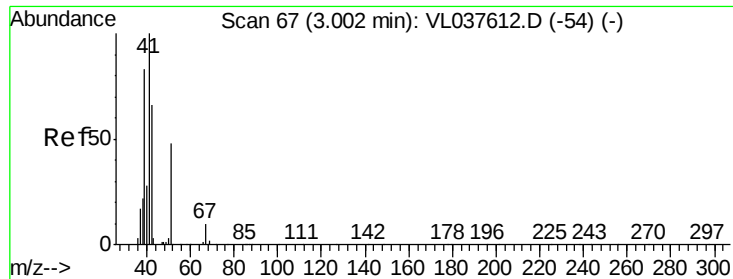
135 73.4 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.667 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

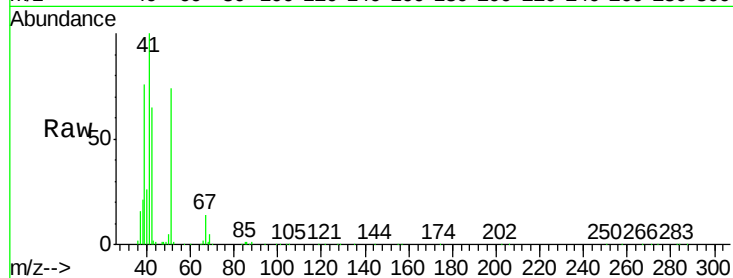
Acq: 29 Sep 2021 11:02

Tgt Ion: 41 Resp: 1030402

Ion Ratio Lower Upper

41 100

42 66.1 57.2 85.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

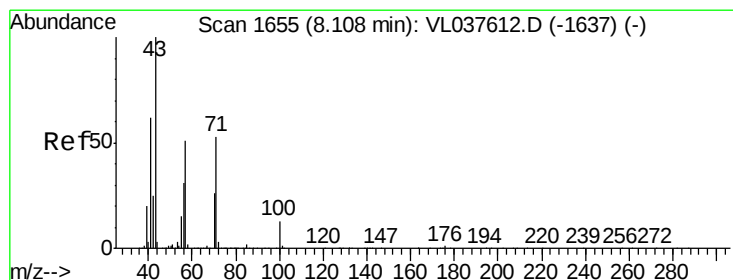
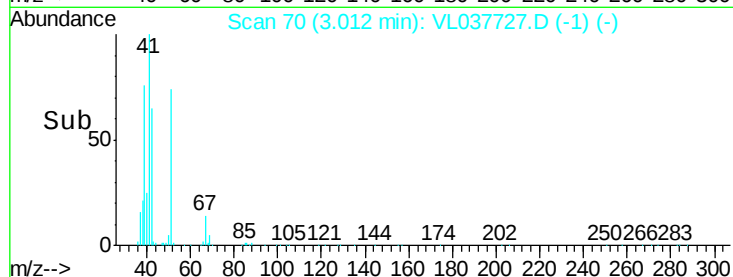
600000

400000

200000

0

Time-->



#10

Heptane

Concen: 11.755 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VL037727.D

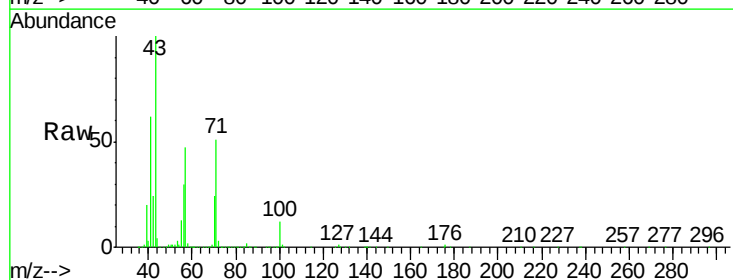
Acq: 29 Sep 2021 11:02

Tgt Ion: 43 Resp: 2422547

Ion Ratio Lower Upper

43 100

57 49.4 40.1 60.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

1200000

1000000

800000

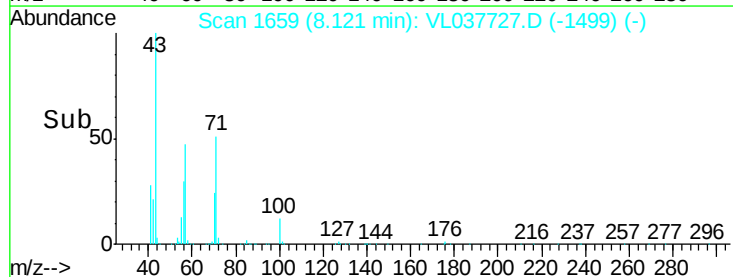
600000

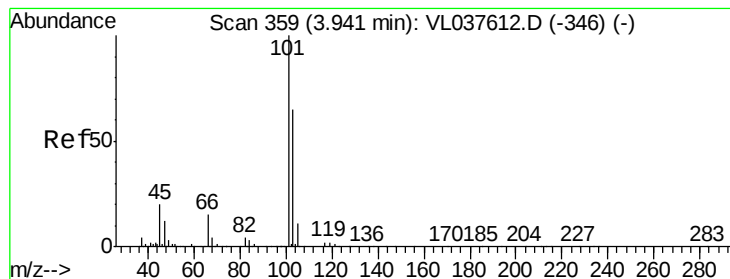
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 10.305 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

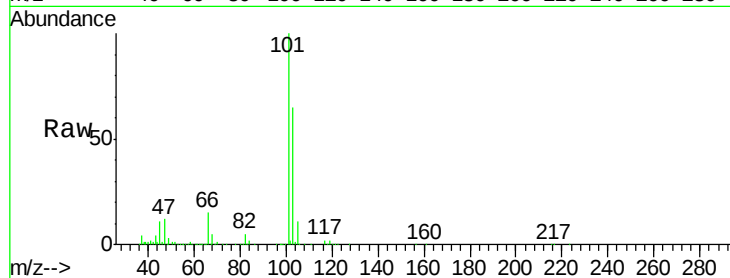
Acq: 29 Sep 2021 11:02 VSTDCCC010EC

Tgt Ion:101 Resp: 1987218

Ion Ratio Lower Upper

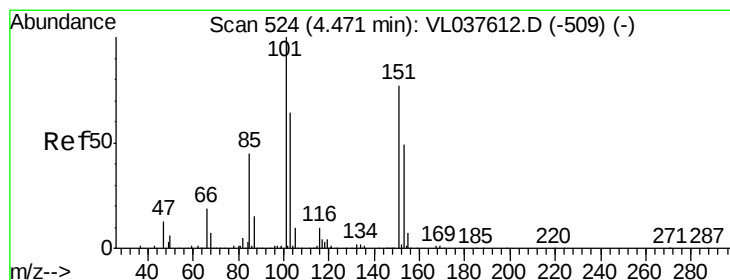
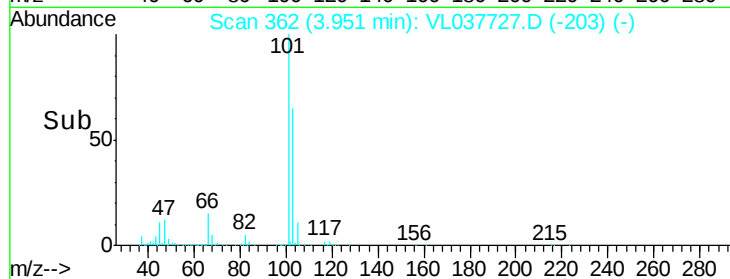
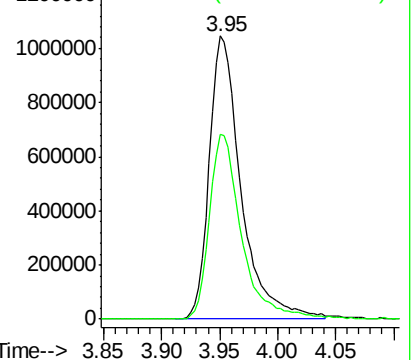
101 100

103 65.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.805 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.01 min

Lab File: VL037727.D

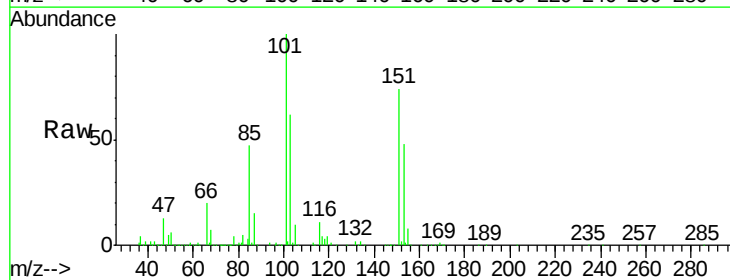
Acq: 29 Sep 2021 11:02

Tgt Ion:101 Resp: 1537969

Ion Ratio Lower Upper

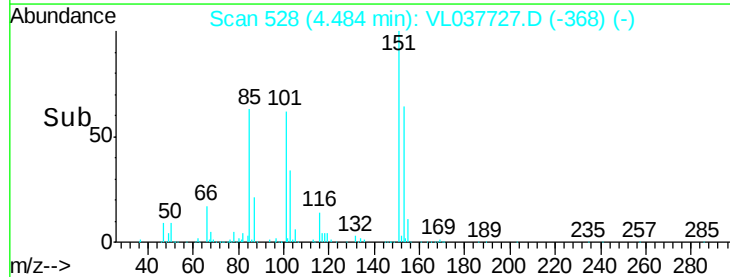
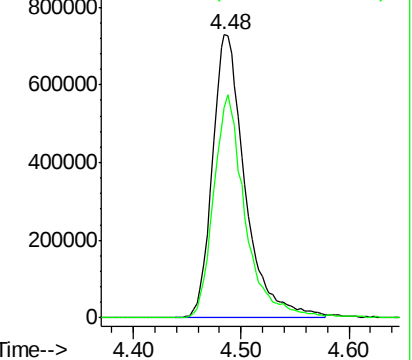
101 100

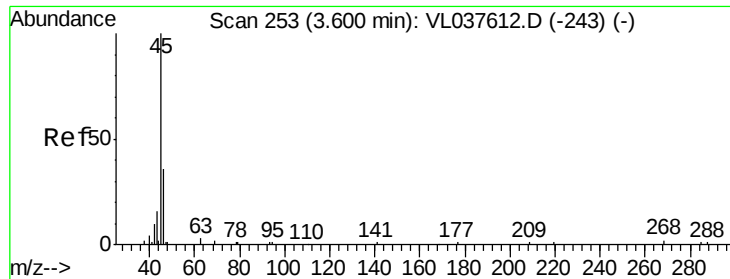
151 76.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

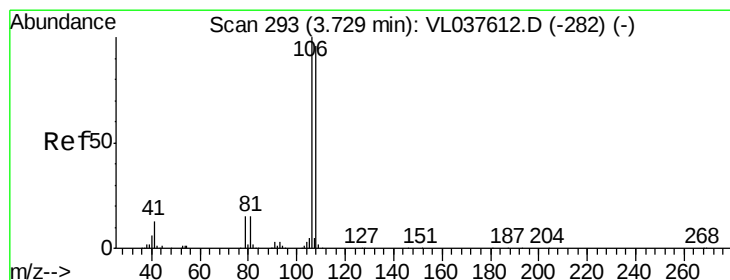
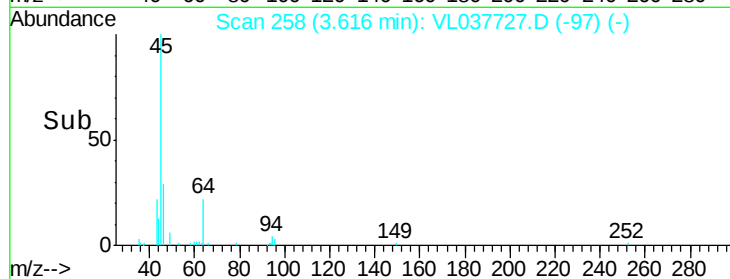
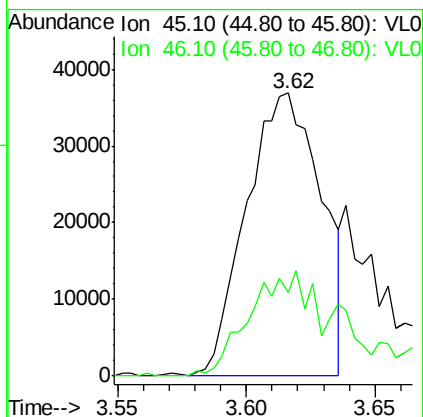
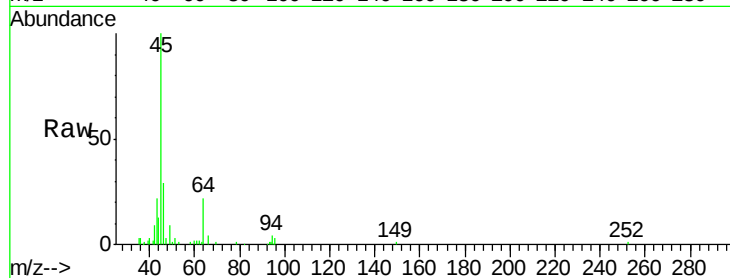
Ion 151.00 (150.70 to 151.70): V





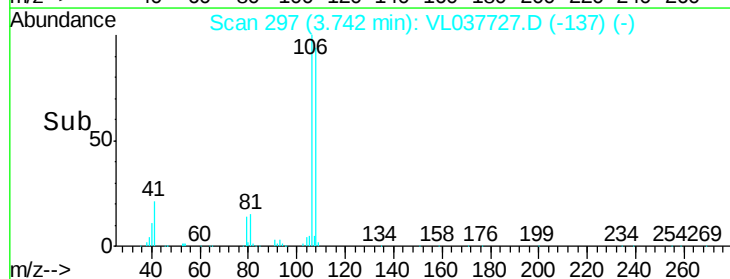
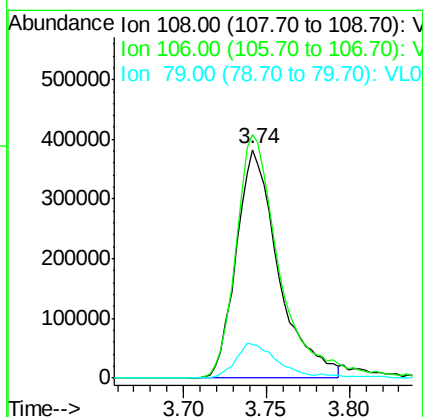
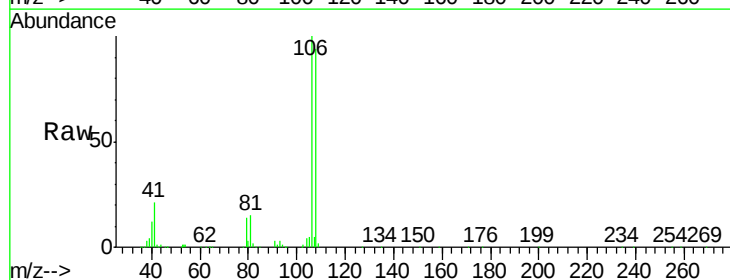
#13
Ethanol
Concen: 8.646 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 29 Sep 2021 11:02

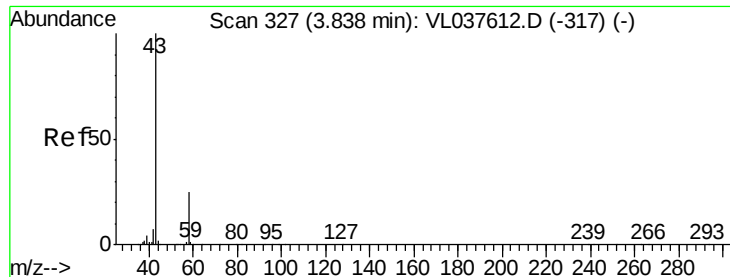
Tgt Ion: 45 Resp: 74692
Ion Ratio Lower Upper
45 100
46 43.1 17.2 68.8



#14
Bromoethene
Concen: 10.450 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL037727.D
Acq: 29 Sep 2021 11:02

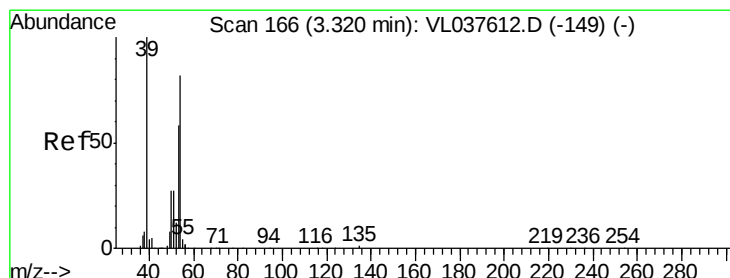
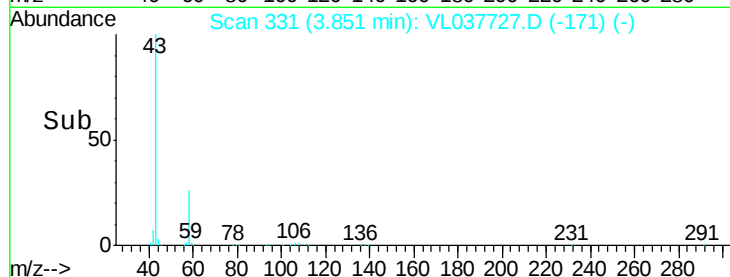
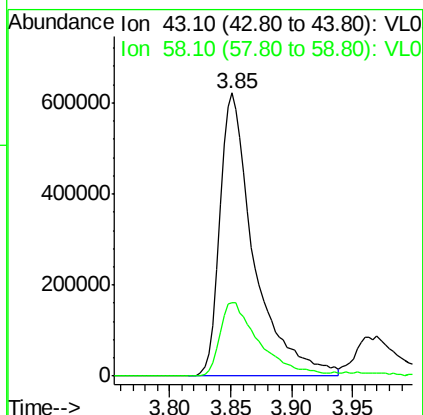
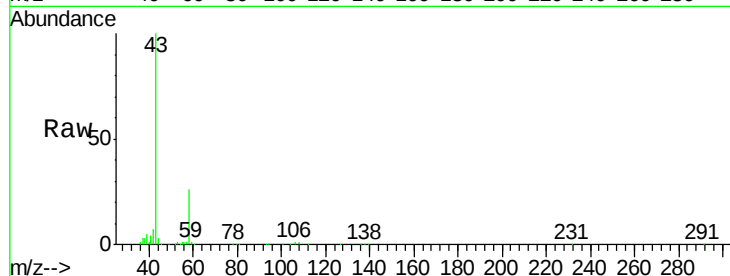
Tgt Ion: 108 Resp: 677088
Ion Ratio Lower Upper
108 100
106 112.7 88.2 132.4
79 16.2 12.8 19.2





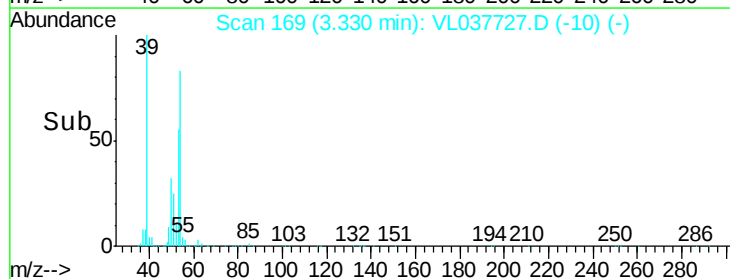
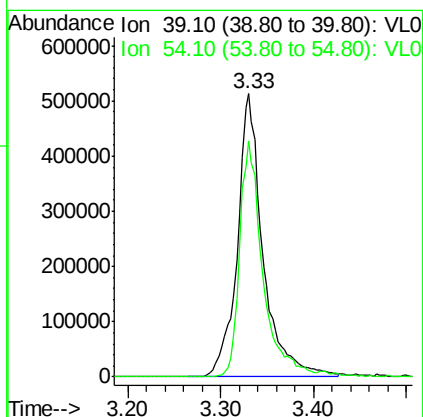
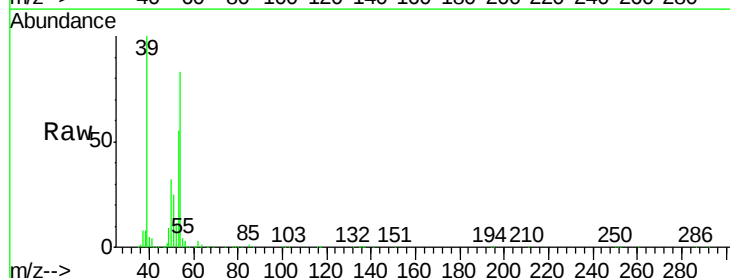
#15
Acetone
Concen: 8.838 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 29 Sep 2021 11:02

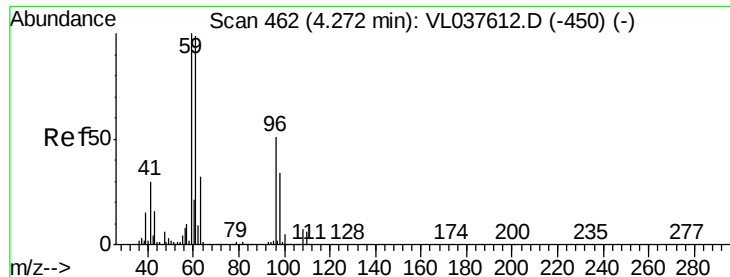
Tgt Ion: 43 Resp: 1218912
Ion Ratio Lower Upper
43 100
58 30.4 24.9 37.3



#16
1,3-Butadiene
Concen: 11.455 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL037727.D
Acq: 29 Sep 2021 11:02

Tgt Ion: 39 Resp: 987145
Ion Ratio Lower Upper
39 100
54 76.5 62.6 93.8





#17

tert-Butyl alcohol

Concen: 11.593 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

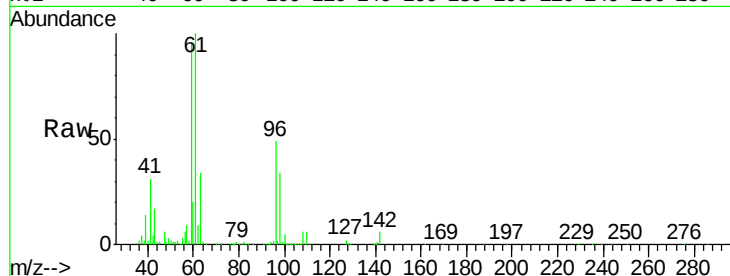
Acq: 29 Sep 2021 11:02

Tgt Ion: 59 Resp: 1355803

Ion Ratio Lower Upper

59 100

57 10.8 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

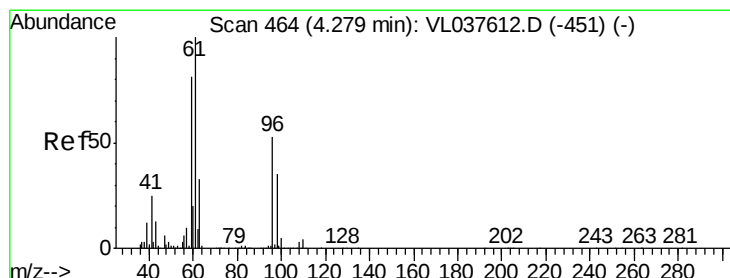
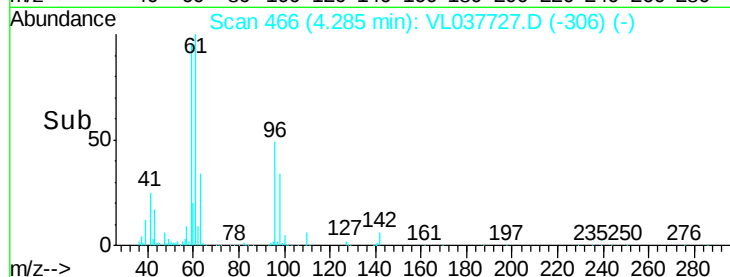
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 10.546 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

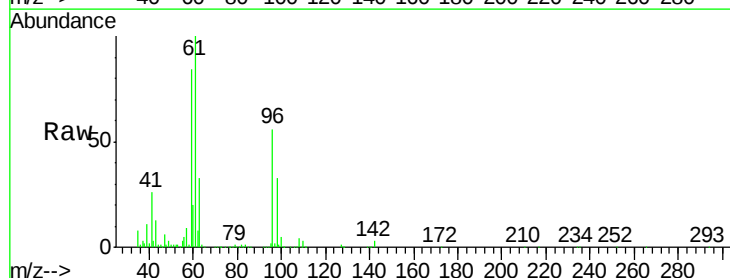
Tgt Ion: 96 Resp: 699288

Ion Ratio Lower Upper

96 100

61 178.8 150.4 225.6

98 59.2 52.1 78.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

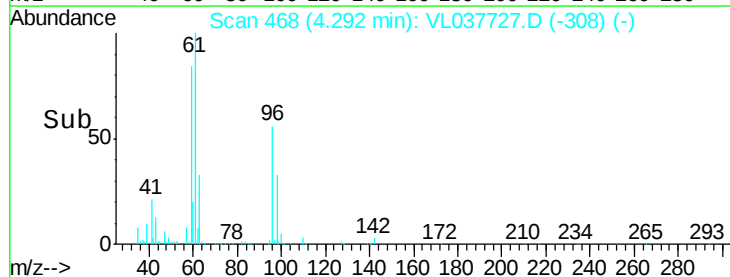
600000

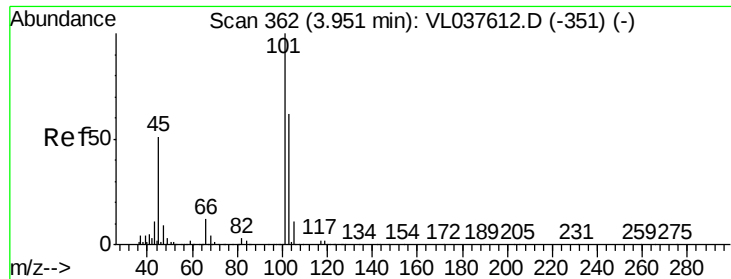
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 10.331 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

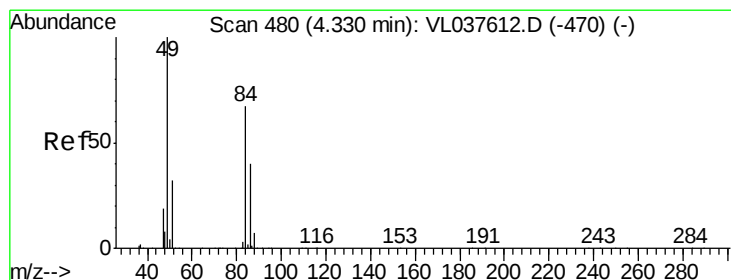
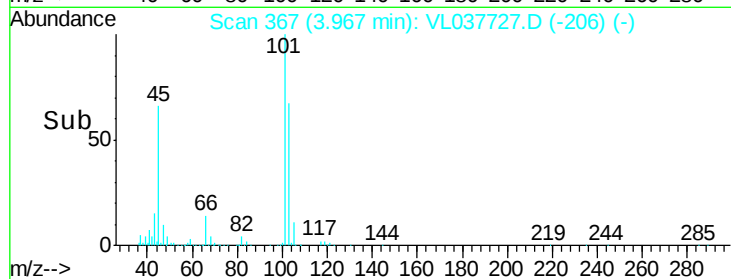
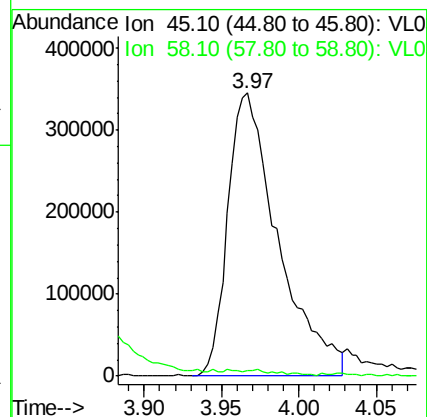
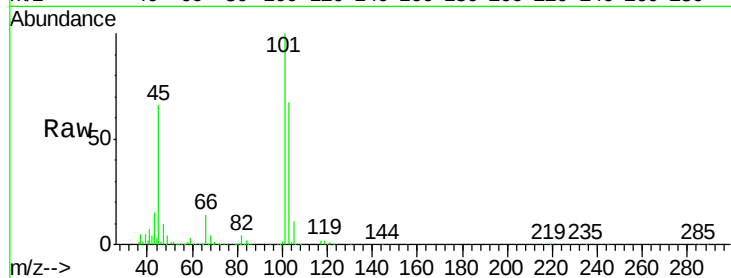
Acq: 29 Sep 2021 11:02 VSTDCCC010EC

Tgt Ion: 45 Resp: 775268

Ion Ratio Lower Upper

45 100

58 3.2 2.9 4.3



#20

Methylene Chloride

Concen: 9.029 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

Tgt Ion: 84 Resp: 594486

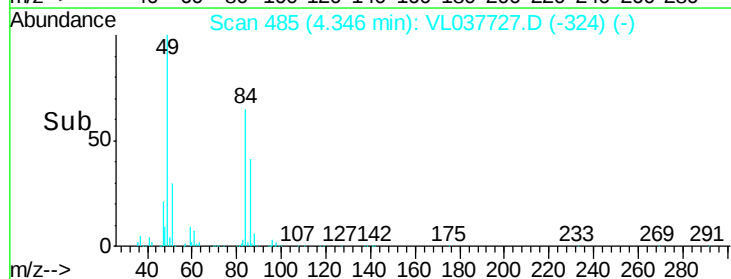
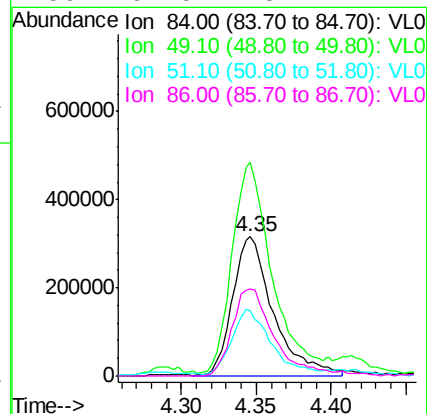
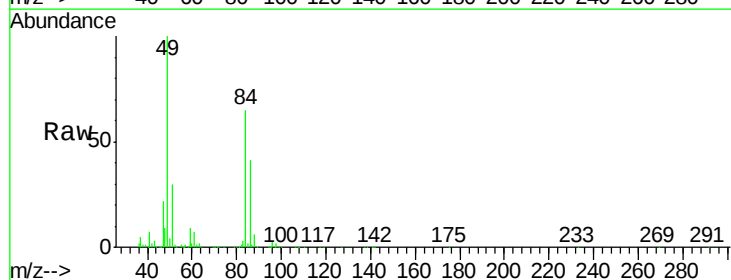
Ion Ratio Lower Upper

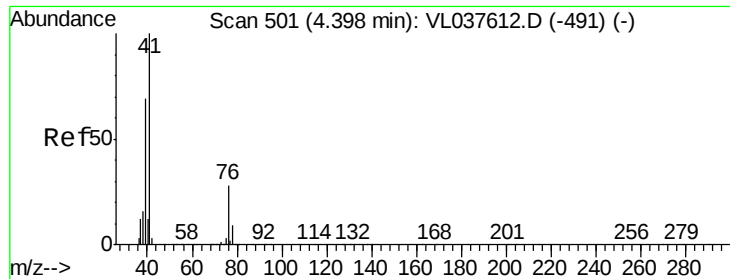
84 100

49 150.5 120.0 180.0

51 45.1 38.0 57.0

86 62.5 48.2 72.2





#21

Allyl Chloride

Concen: 11.554 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02 VSTDCCC010EC

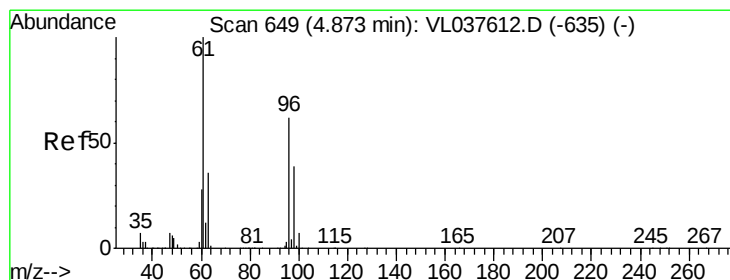
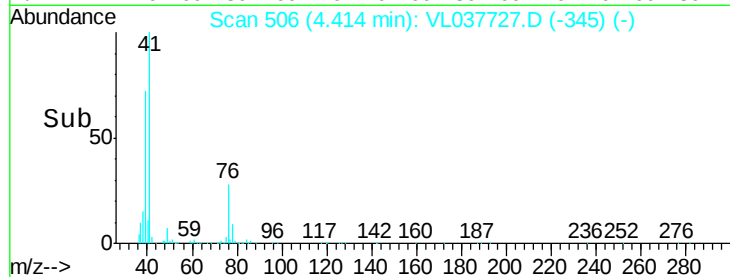
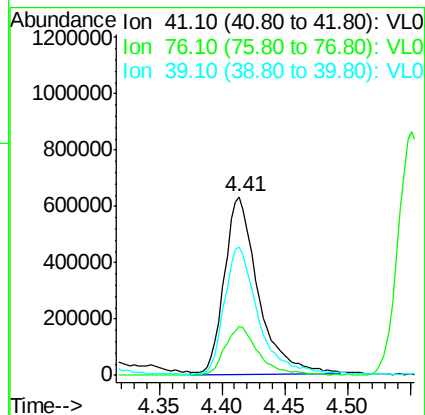
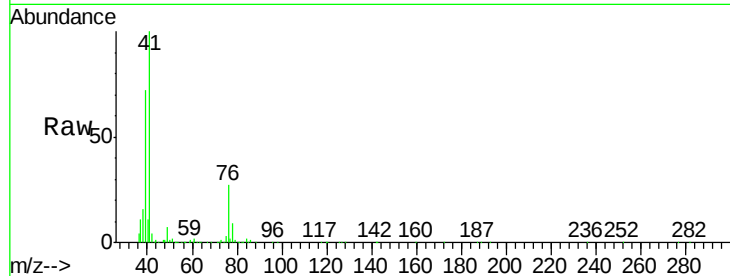
Tgt Ion: 41 Resp: 1190478

Ion Ratio Lower Upper

41 100

76 27.7 23.1 34.7

39 72.4 61.0 91.6



#22

trans-1,2-Dichloroethene

Concen: 11.037 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.01 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

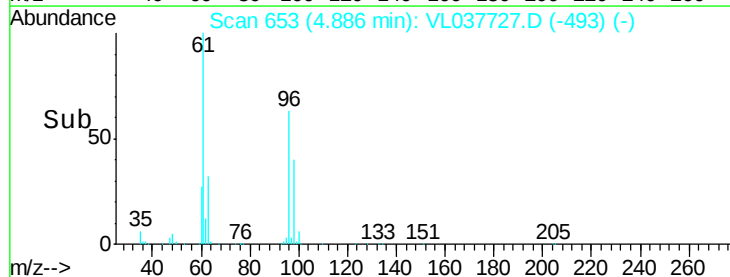
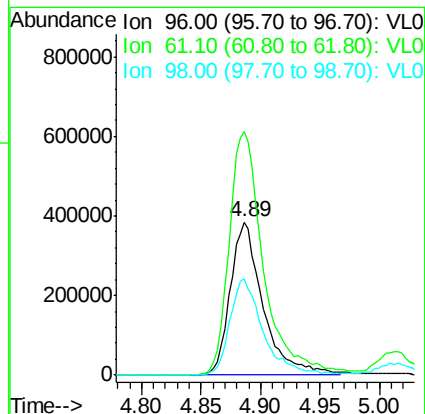
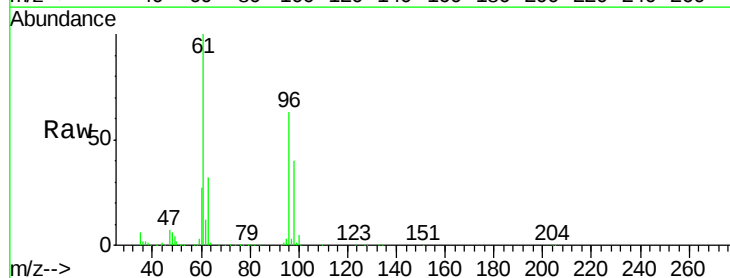
Tgt Ion: 96 Resp: 736378

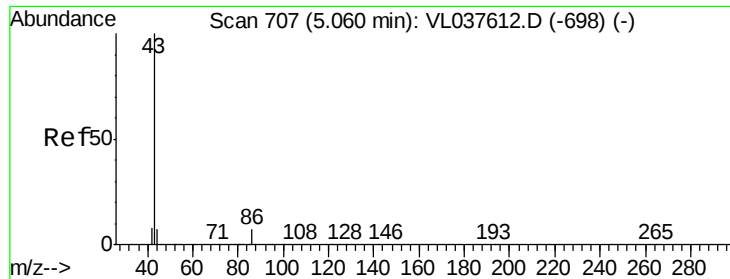
Ion Ratio Lower Upper

96 100

61 159.1 129.2 193.8

98 63.2 50.4 75.6





#23

Vinyl Acetate

Concen: 11.976 ppbv

RT: 5.07 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 29 Sep 2021 11:02

Tgt Ion: 43 Resp: 2285569

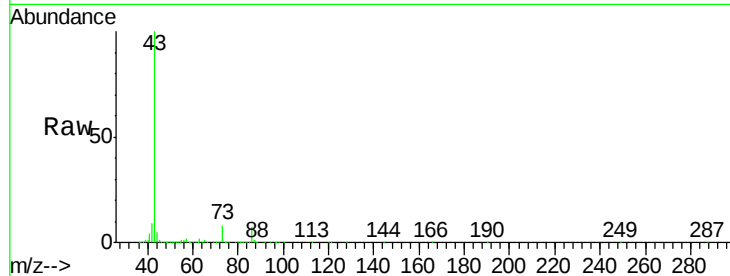
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.0	7.6
42	8.7	7.5	11.3
44	4.8	4.7	7.1

43 100

86 7.3 5.0 7.6

42 8.7 7.5 11.3

44 4.8 4.7 7.1

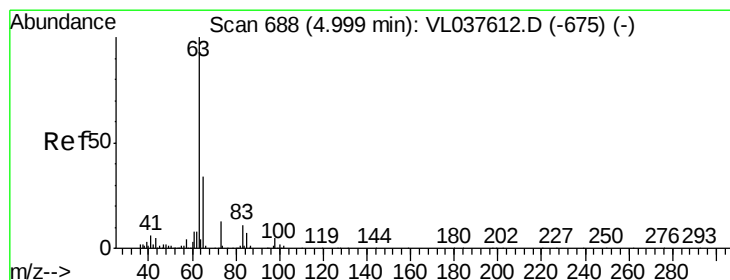
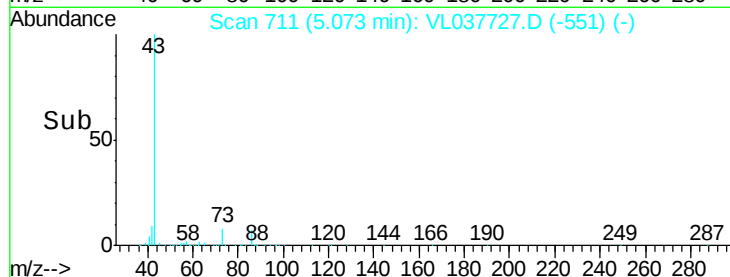
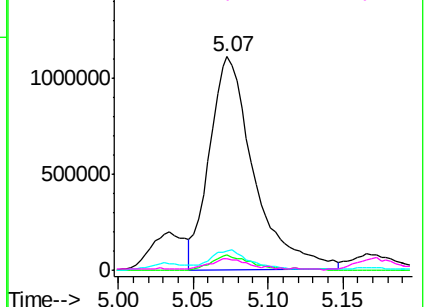


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.481 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.01 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

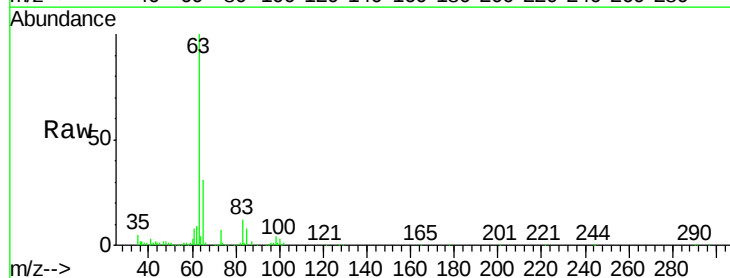
Tgt Ion: 63 Resp: 1432891

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.2
100	2.7	1.1	3.5

63 100

98 4.3 2.4 7.2

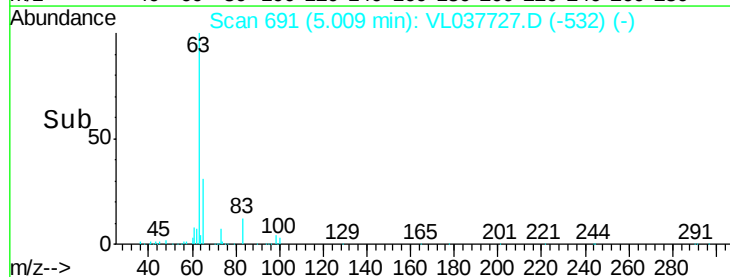
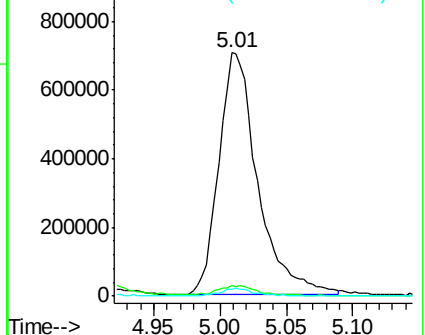
100 2.7 1.1 3.5

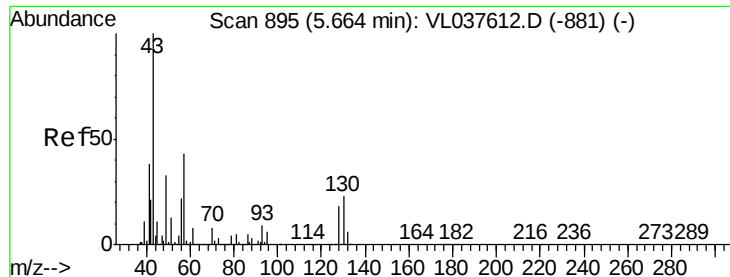


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

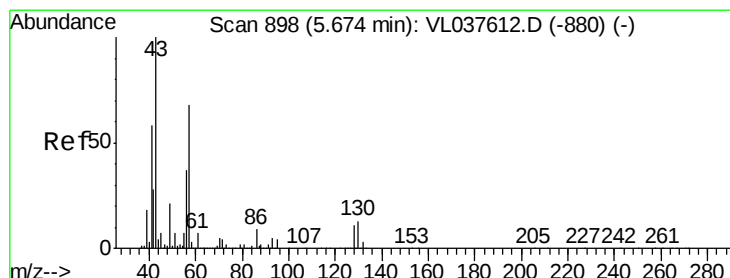
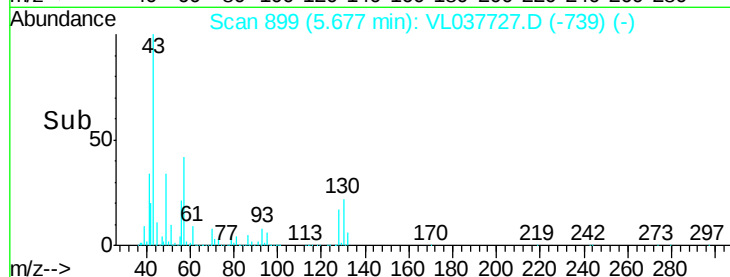
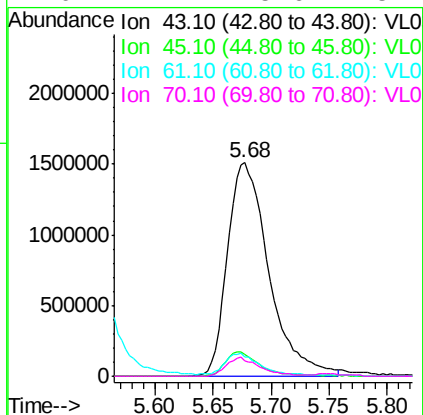
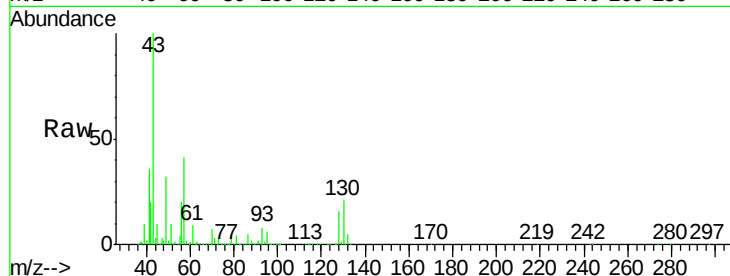




#25
Ethyl Acetate
Concen: 11.131 ppbv
RT: 5.68
Instrument: MSVOA_L
Delta R.T.:
Client SampleId:
Lab File: VSTDCCC010EC
Acq: 29 Sep 2021 11:02

Tgt Ion: 43 Resp: 3718185

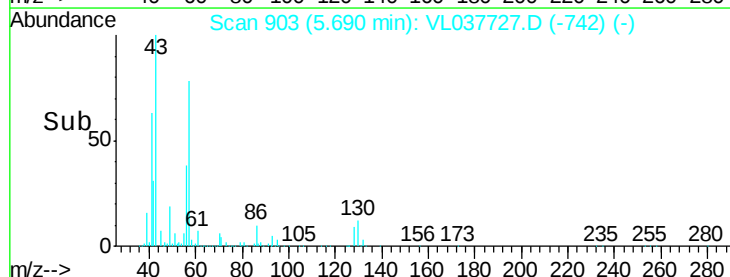
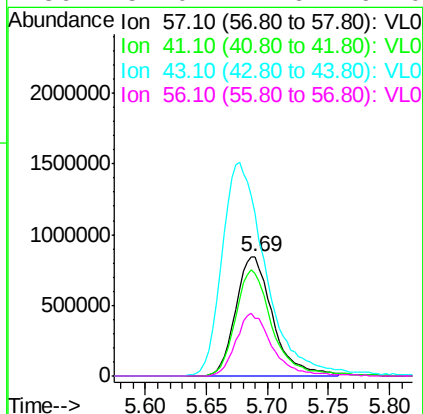
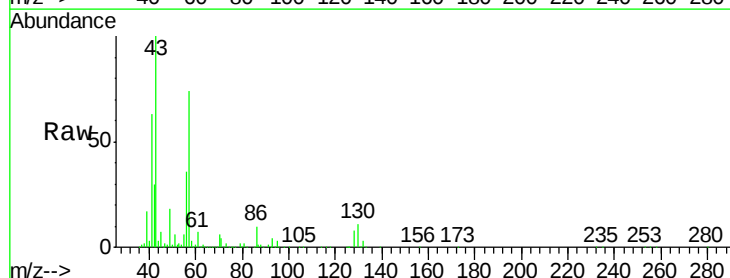
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.6	7.5	11.3
70	7.2	5.6	8.4

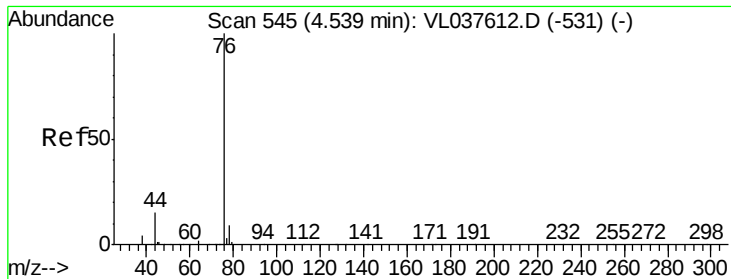


#26
Hexane
Concen: 11.189 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.02 min
Lab File: VL037727.D
Acq: 29 Sep 2021 11:02

Tgt Ion: 57 Resp: 1775418

Ion	Ratio	Lower	Upper
57	100		
41	89.1	70.9	106.3
43	214.7	170.4	255.6
56	52.0	42.6	64.0





#27

Carbon Disulfide

Concen: 11.510 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 29 Sep 2021 11:02

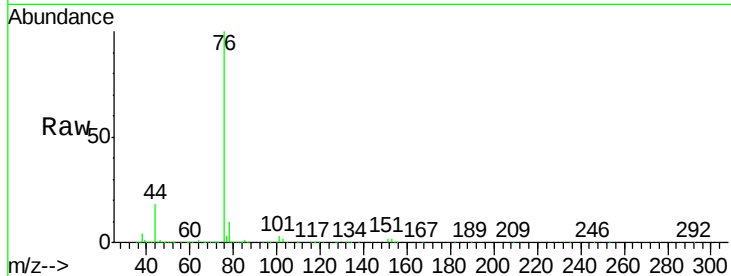
Tgt Ion: 76 Resp: 1670764

Ion Ratio Lower Upper

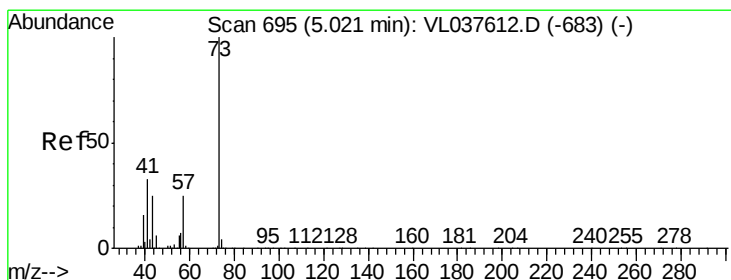
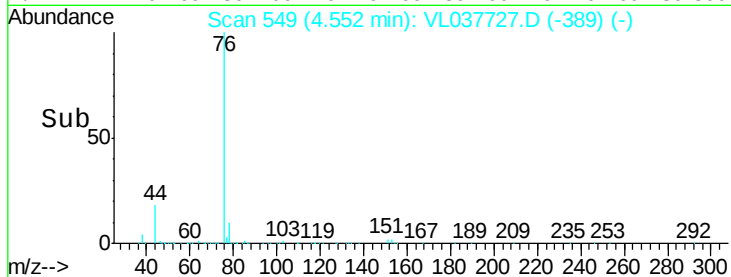
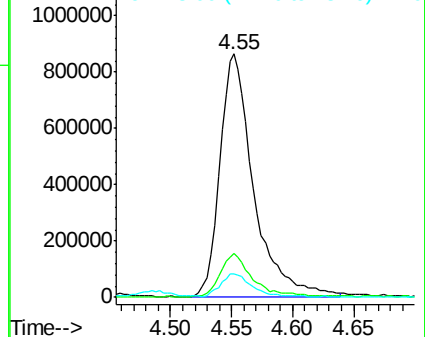
76 100

44 17.3 14.2 21.2

78 9.5 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: 11.315 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL037727.D

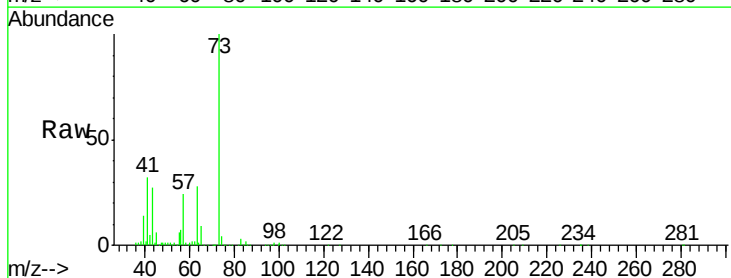
Acq: 29 Sep 2021 11:02

Tgt Ion: 73 Resp: 1581299

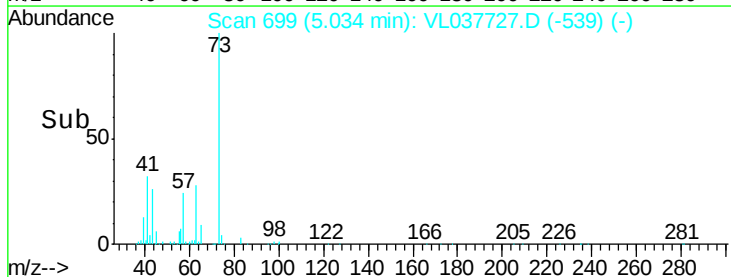
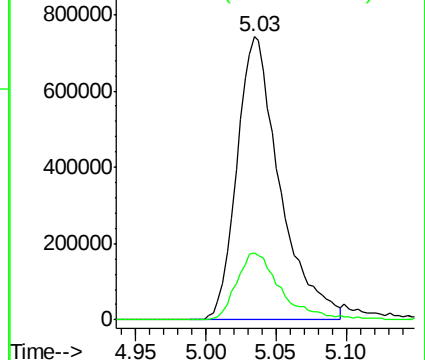
Ion Ratio Lower Upper

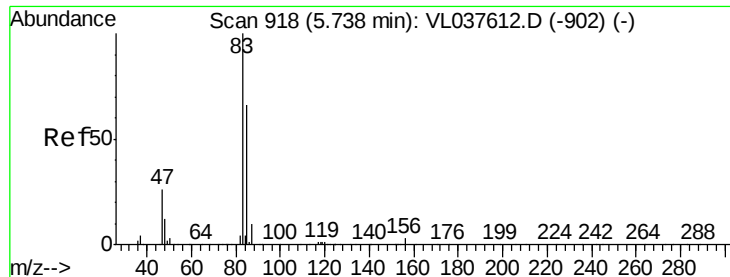
73 100

57 24.9 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: 10.226 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

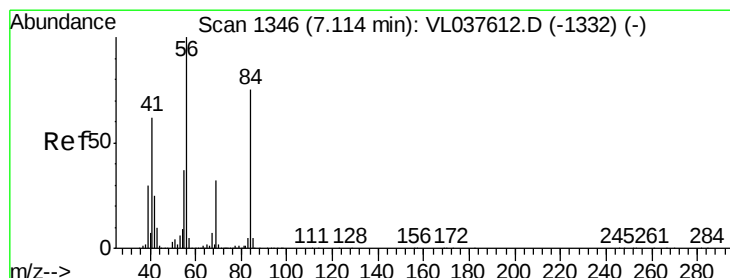
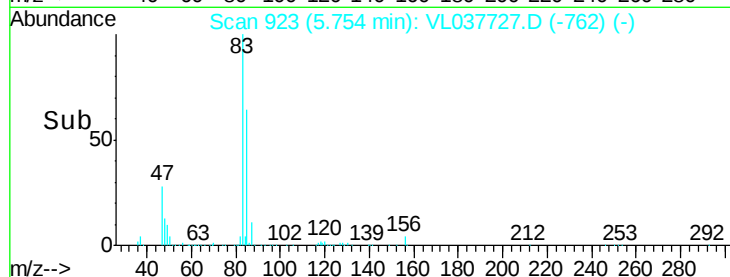
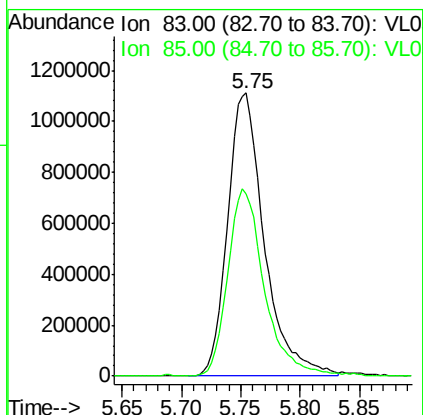
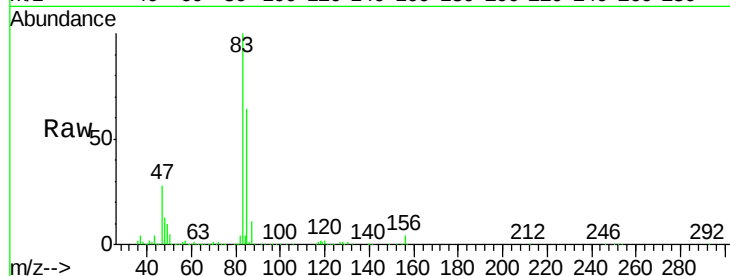
Acq: 29 Sep 2021 11:02 VSTDCCC010EC

Tgt Ion: 83 Resp: 2369226

Ion Ratio Lower Upper

83 100

85 64.2 52.6 79.0



#30

Cyclohexane

Concen: 10.763 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.02 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

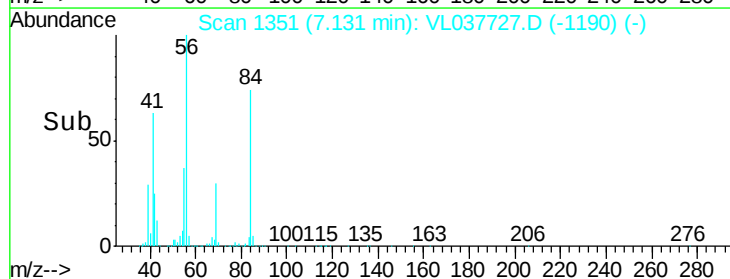
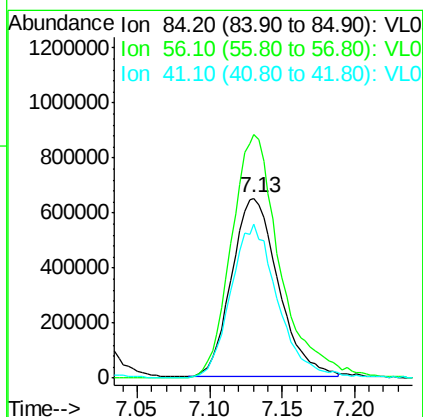
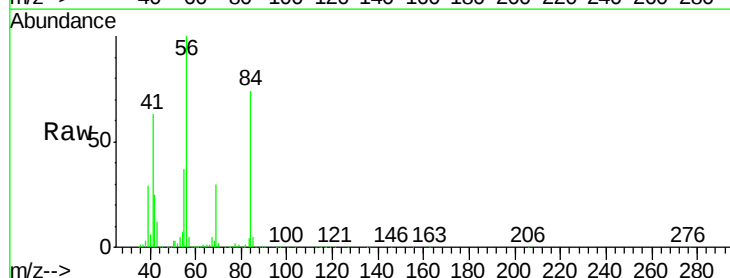
Tgt Ion: 84 Resp: 1460588

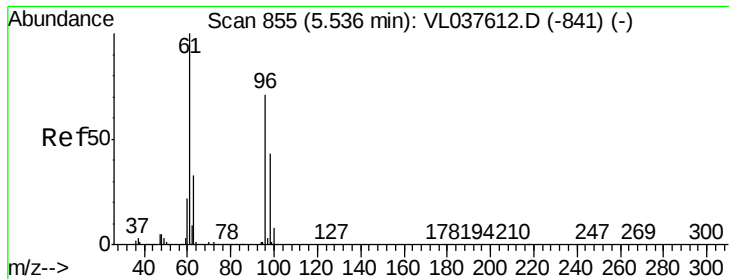
Ion Ratio Lower Upper

84 100

56 143.0 113.6 170.4

41 87.0 67.9 101.9





#31

cis-1,2-Dichloroethene

Concen: 11.336 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02 VSTDCCC010EC

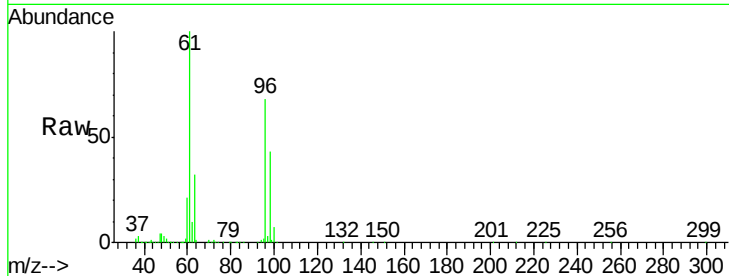
Tgt Ion: 61 Resp: 1632896

Ion Ratio Lower Upper

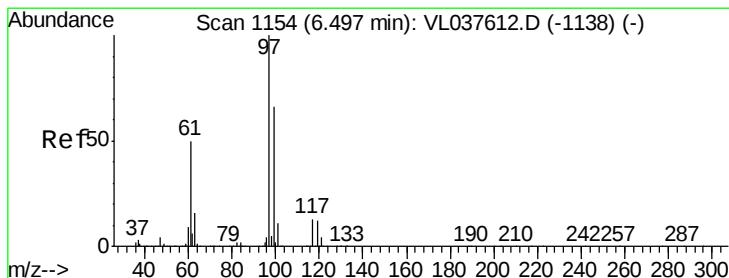
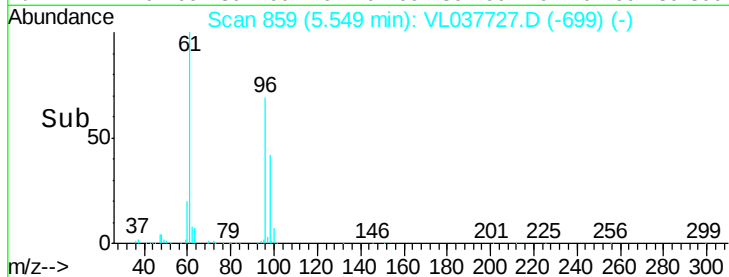
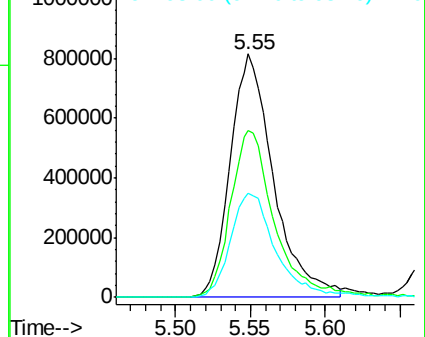
61 100

96 68.5 56.7 85.1

98 42.7 34.6 52.0



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: 10.444 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

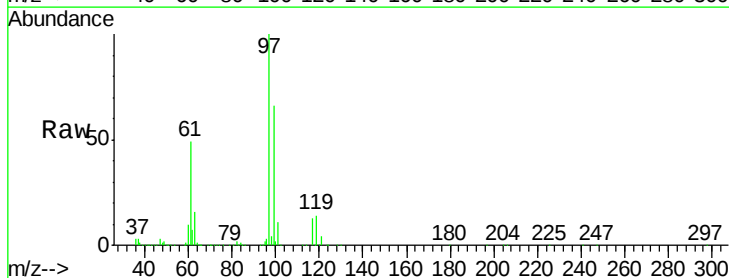
Tgt Ion: 97 Resp: 2252794

Ion Ratio Lower Upper

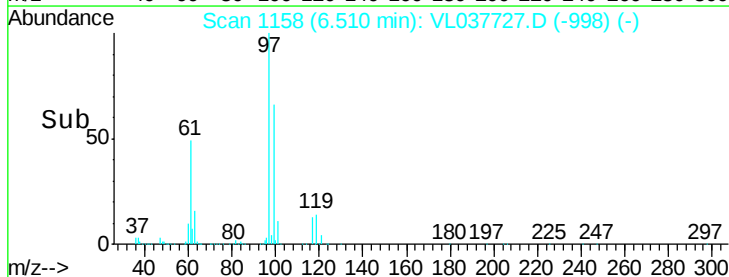
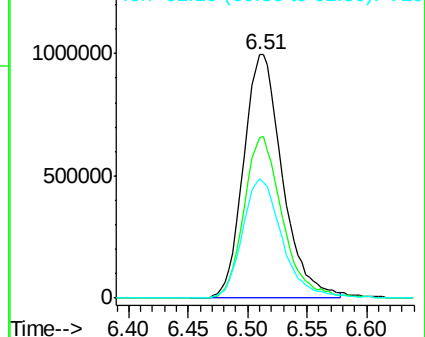
97 100

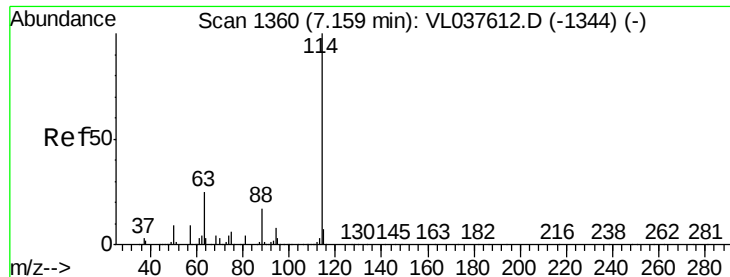
99 66.0 52.3 78.5

61 50.4 39.5 59.3



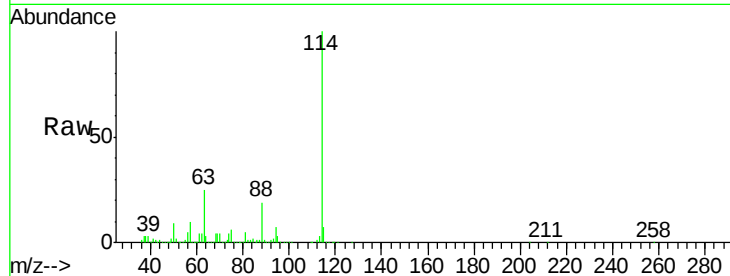
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



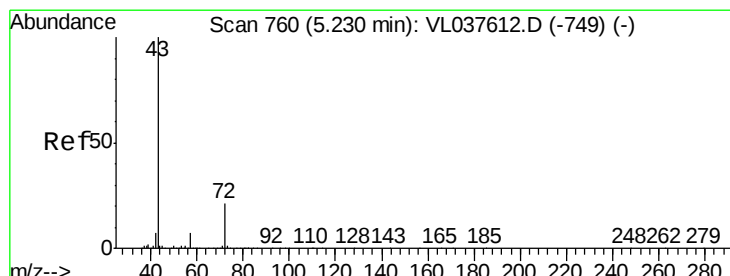
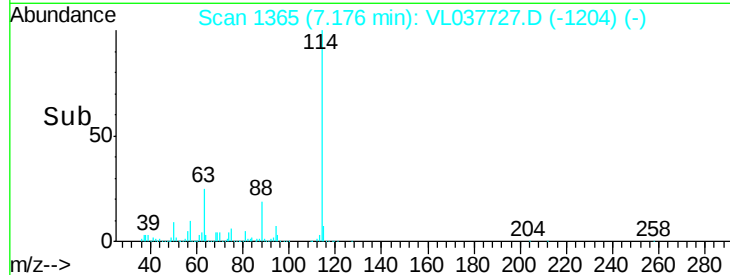
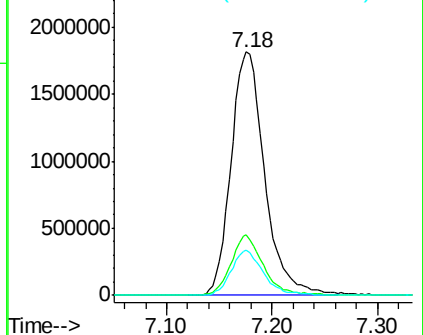


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

Tgt Ion: 114 Resp: 4019490
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.6 29.4
 88 17.9 14.2 21.4

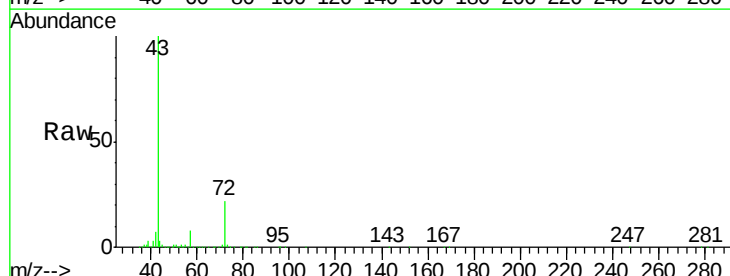


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

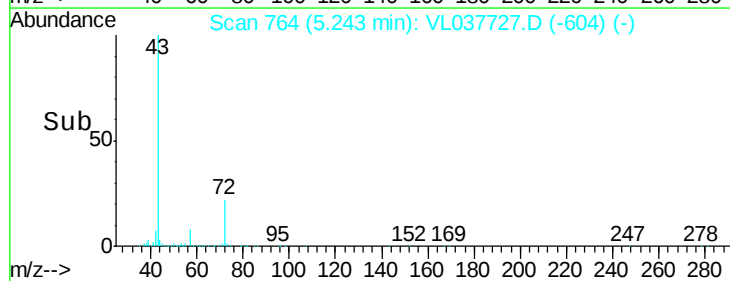
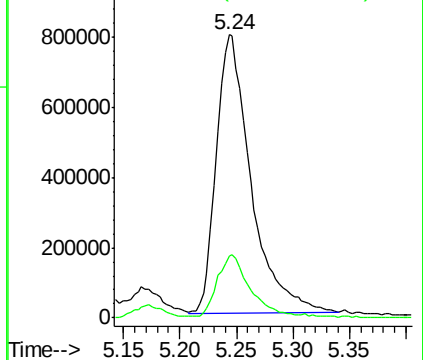


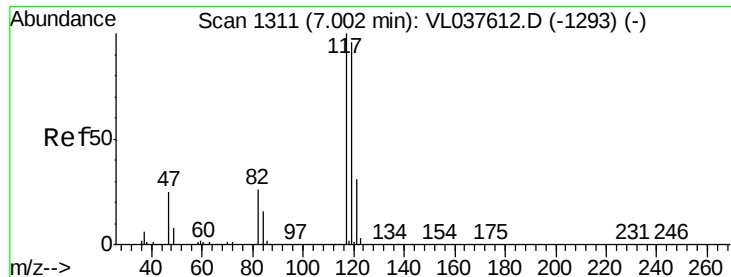
#34
 2-Butanone
 Concen: 10.439 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T.: 0.01 min
 Lab File: VL037727.D
 Acq: 29 Sep 2021 11:02

Tgt Ion: 43 Resp: 1705053
 Ion Ratio Lower Upper
 43 100
 72 22.9 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: 10.135 ppbv

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02 VSTDCCC010EC

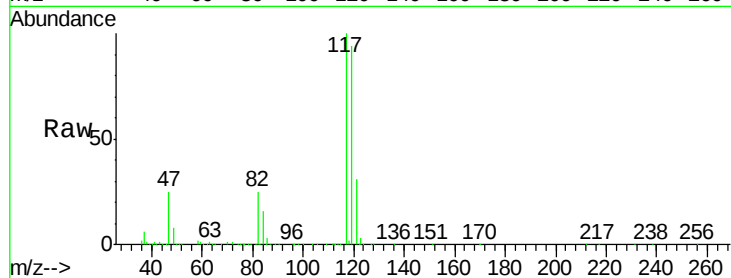
Tgt Ion: 117 Resp: 2304394

Ion Ratio Lower Upper

117 100

119 94.3 77.0 115.6

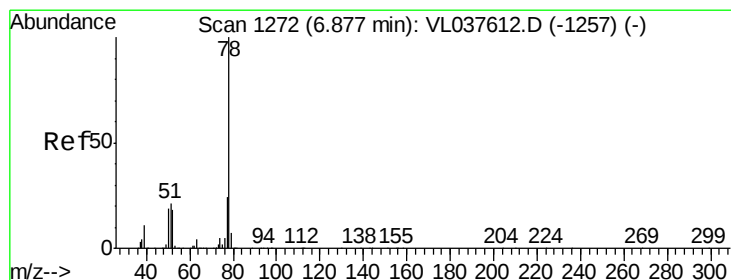
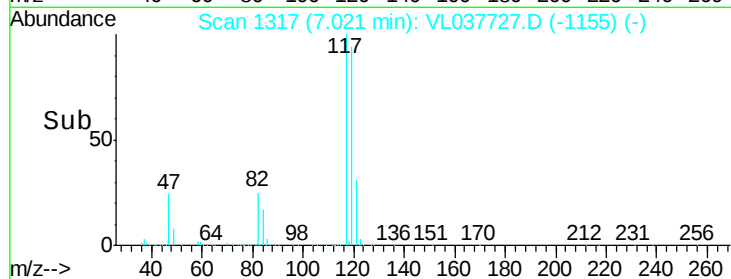
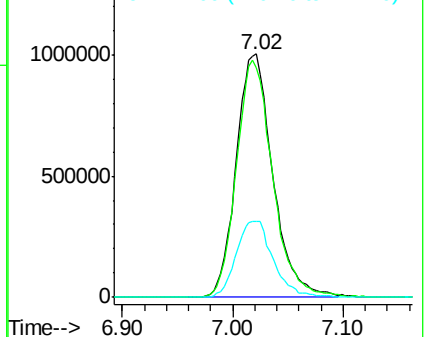
121 31.3 24.5 36.7



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: 10.765 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

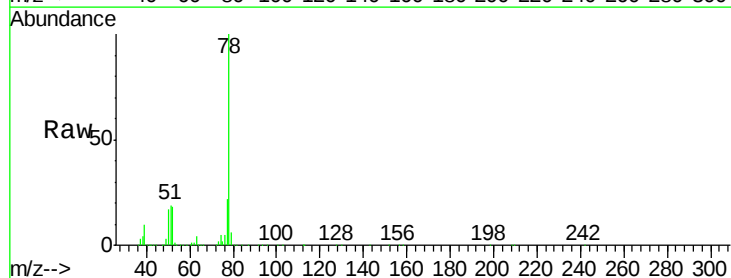
Tgt Ion: 78 Resp: 3607963

Ion Ratio Lower Upper

78 100

77 22.4 19.0 28.4

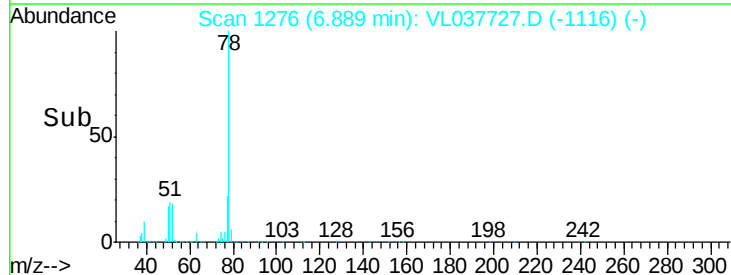
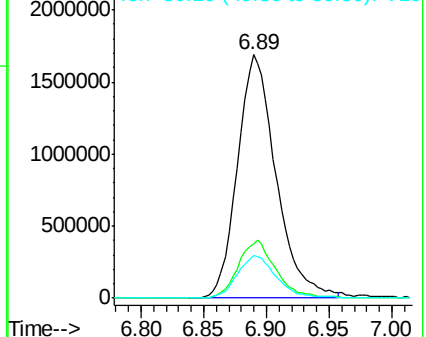
50 17.5 14.8 22.2

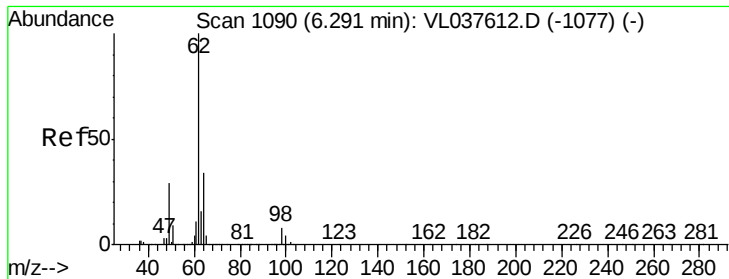


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

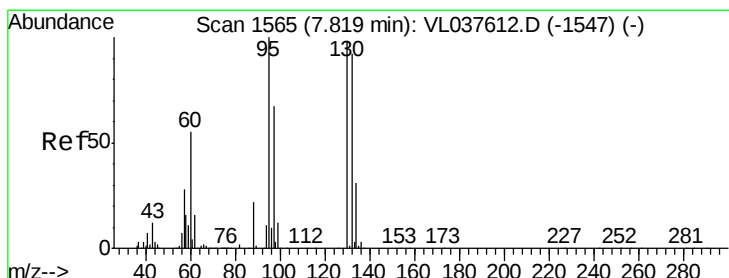
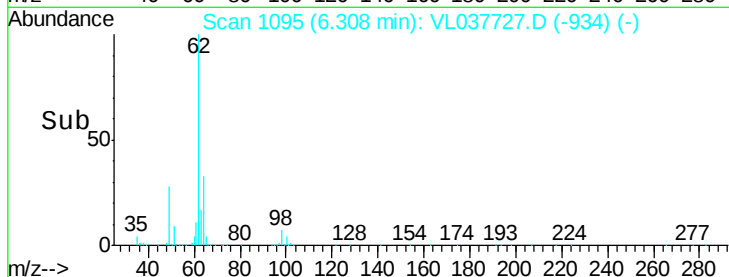
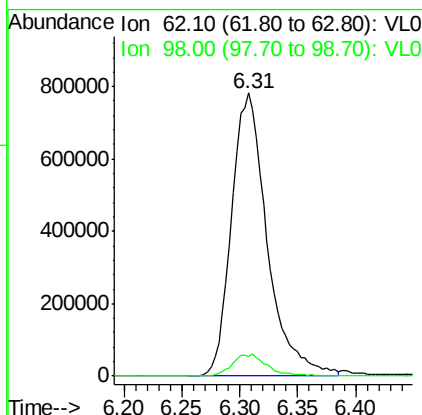
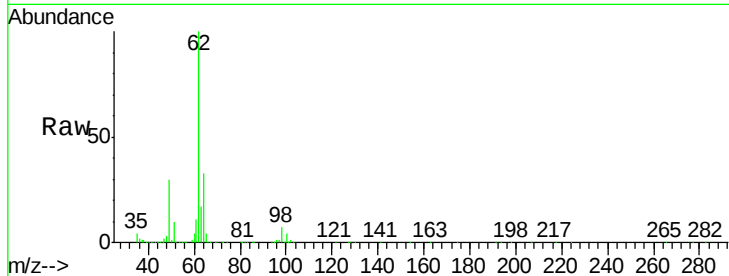
Ion 50.10 (49.80 to 50.80): VL0





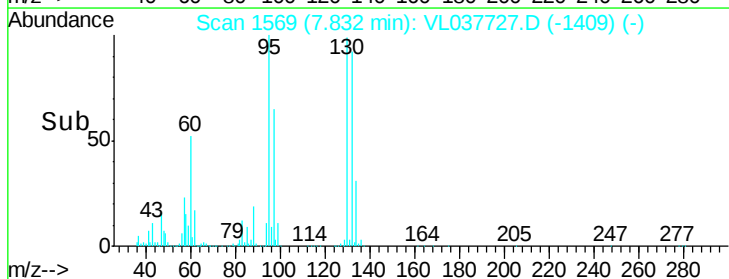
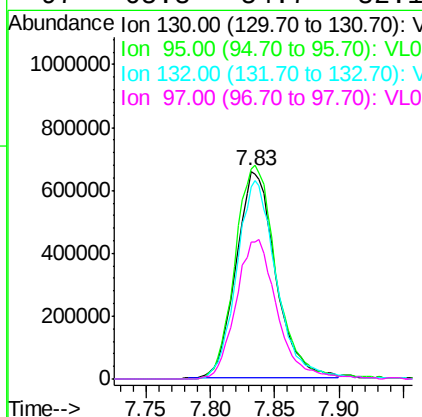
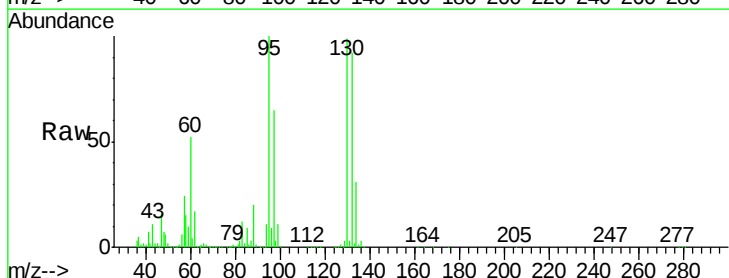
#37
 1,2-Dichloroethane
 Concen: 10.125 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

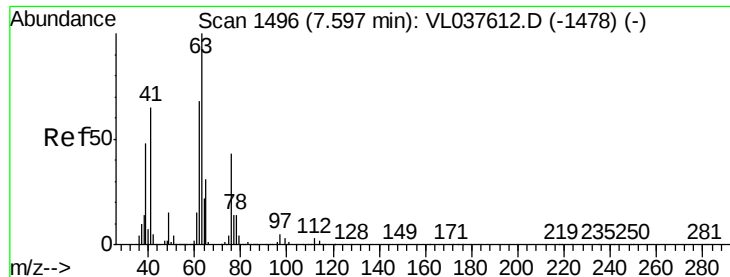
Tgt Ion: 62 Resp: 1669012
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.1 9.1



#38
 Trichloroethene
 Concen: 10.057 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VL037727.D
 Acq: 29 Sep 2021 11:02

Tgt Ion: 130 Resp: 1408137
 Ion Ratio Lower Upper
 130 100
 95 101.4 81.8 122.6
 132 92.9 75.3 112.9
 97 65.8 54.7 82.1





#39

1,2-Dichloropropane

Concen: 10.809 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02 VSTDCCC010EC

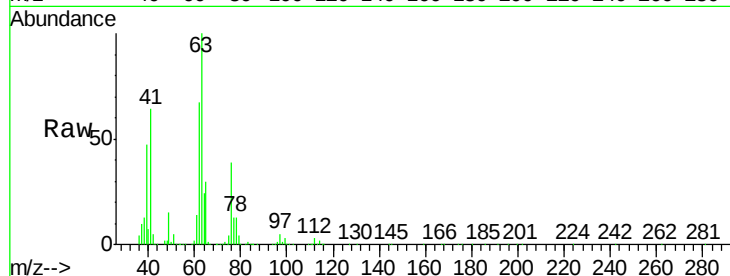
Tgt Ion: 63 Resp: 1387641

Ion Ratio Lower Upper

63 100

41 63.4 51.6 77.4

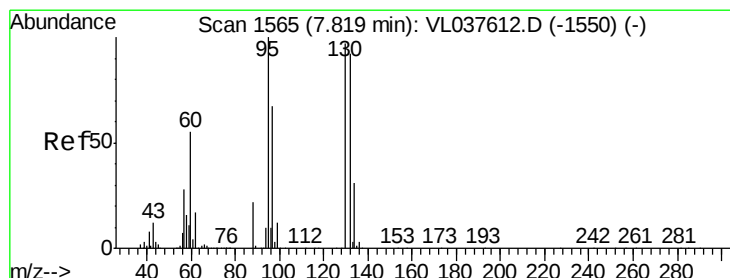
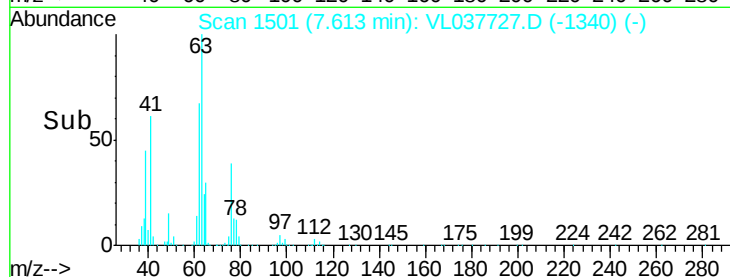
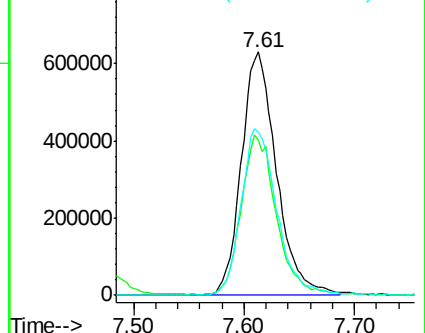
62 66.8 54.6 81.8



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: 10.179 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

Tgt Ion: 88 Resp: 317873

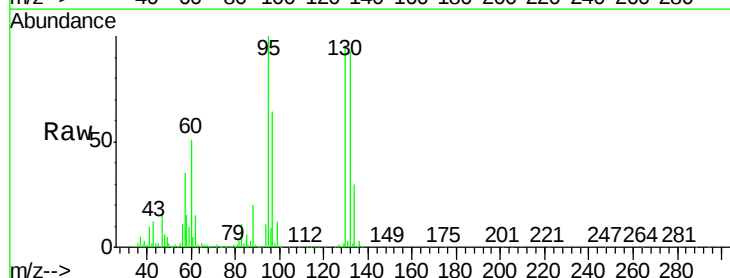
Ion Ratio Lower Upper

88 100

58 170.1 122.4 183.6

43 421.4 297.4 446.0

57 1917.0 1329.8 1994.8

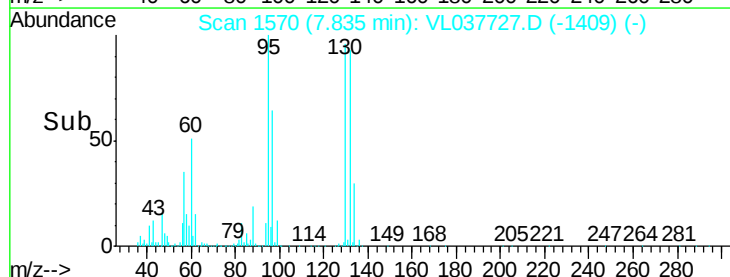
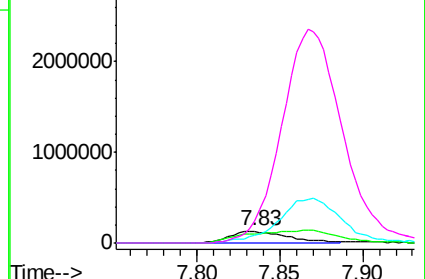


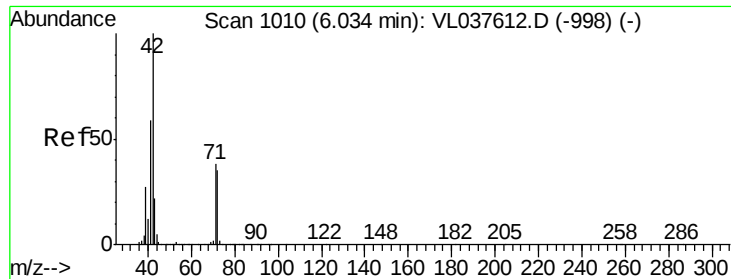
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.646 ppbv

RT: 6.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02

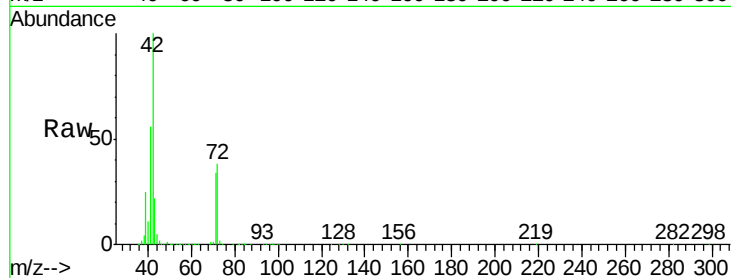
Tgt Ion: 42 Resp: 894262

Ion Ratio Lower Upper

42 100

72 39.1 31.4 47.2

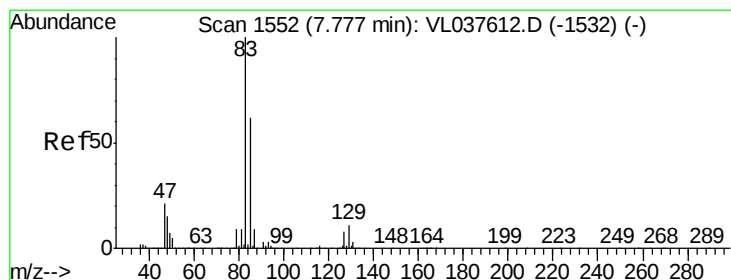
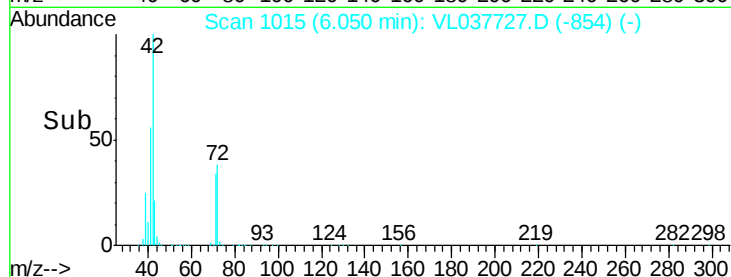
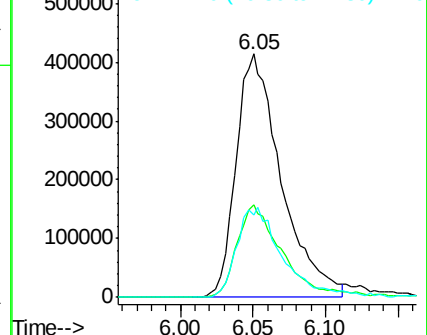
71 38.4 30.6 46.0



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.587 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.01 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

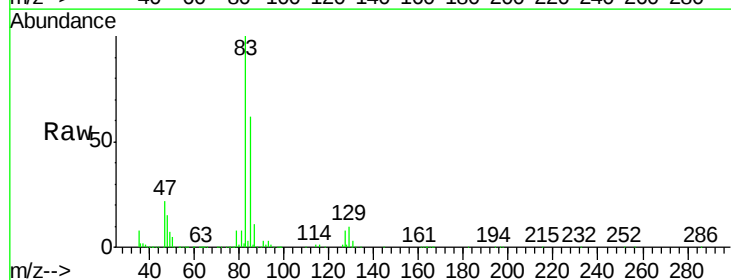
Tgt Ion: 83 Resp: 2501223

Ion Ratio Lower Upper

83 100

85 61.7 49.8 74.6

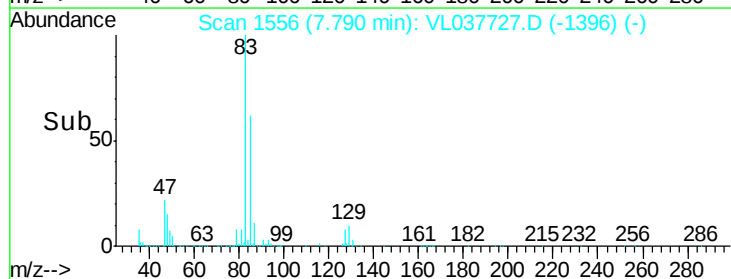
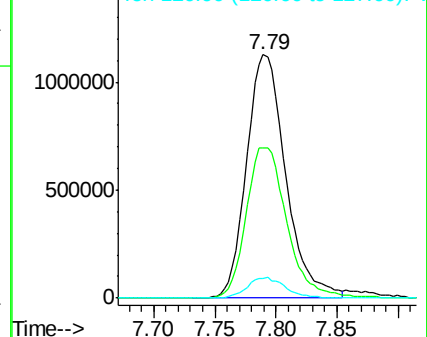
127 8.1 6.4 9.6

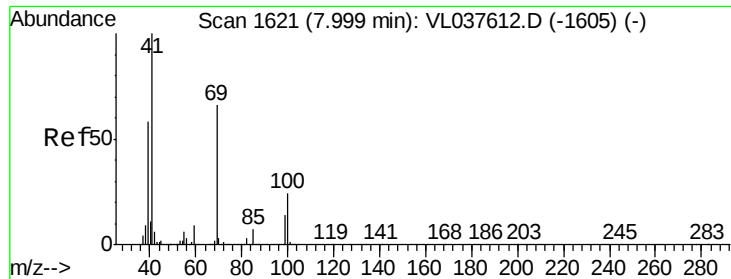


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.847 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02 VSTDCCC010EC

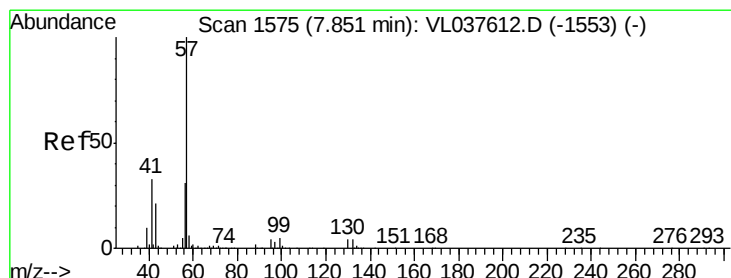
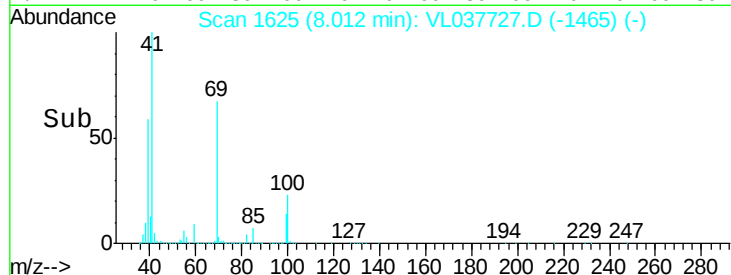
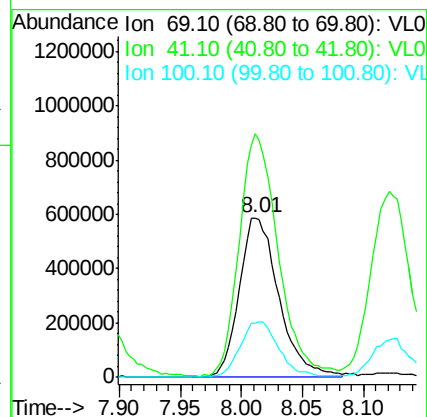
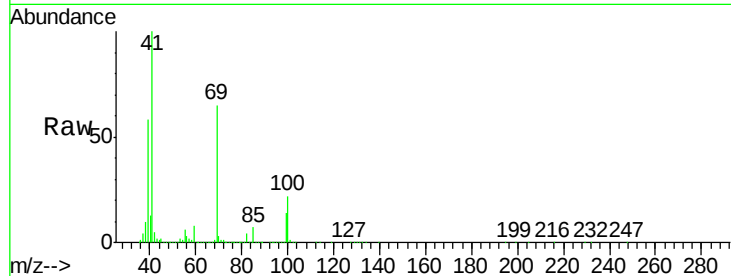
Tgt Ion: 69 Resp: 1320943

Ion Ratio Lower Upper

69 100

41 150.6 119.0 178.4

100 34.2 27.6 41.4



#44

2,2,4-Trimethylpentane

Concen: 10.808 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

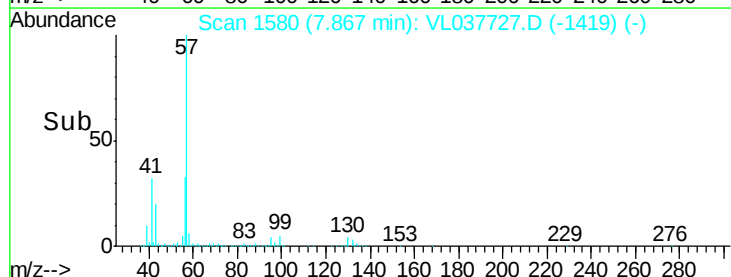
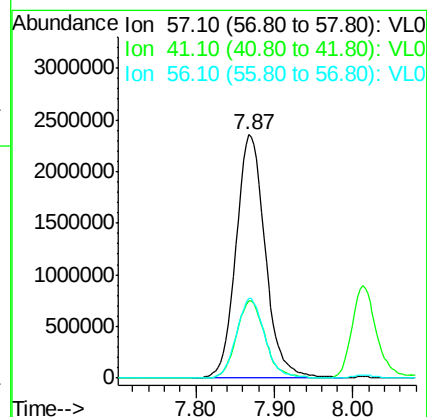
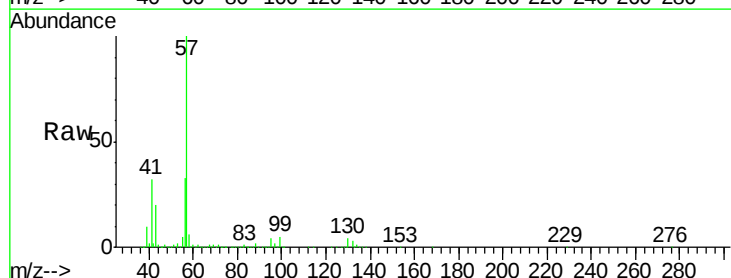
Tgt Ion: 57 Resp: 6090091

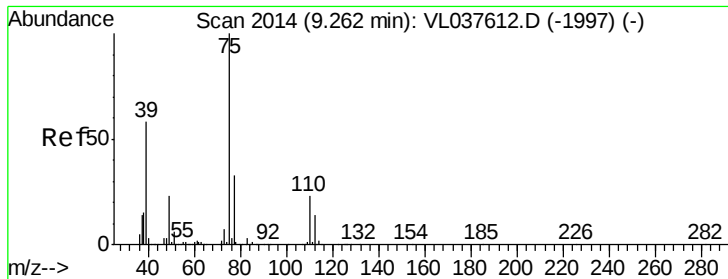
Ion Ratio Lower Upper

57 100

41 31.5 26.1 39.1

56 31.8 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 12.709 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

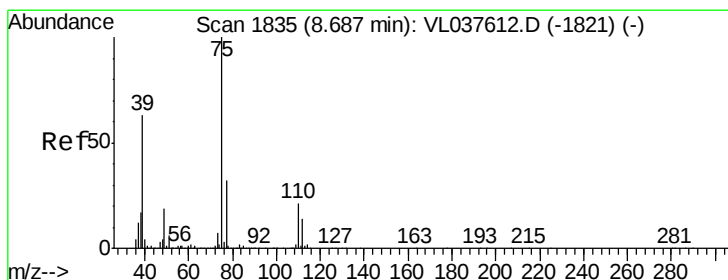
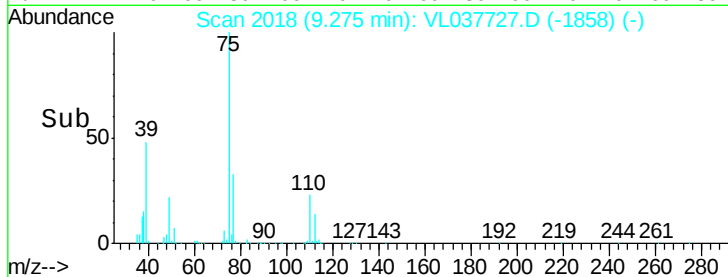
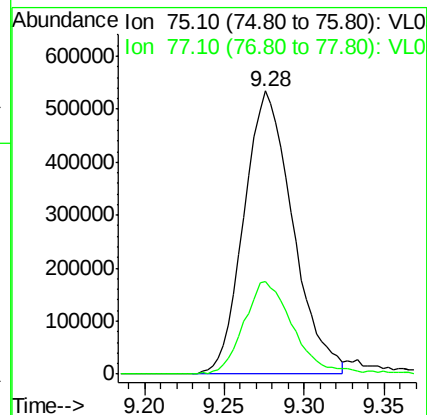
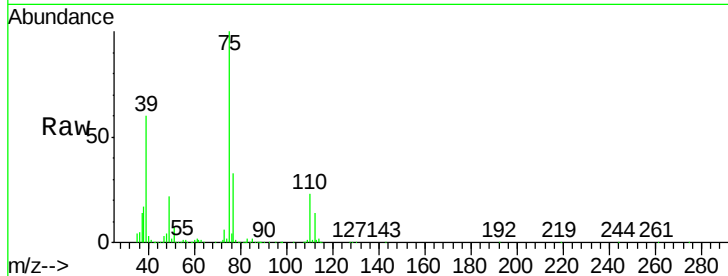
Acq: 29 Sep 2021 11:02 VSTDCCC010EC

Tgt Ion: 75 Resp: 1113115

Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 12.760 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.02 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

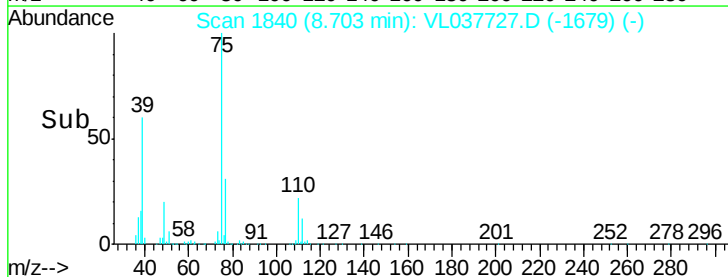
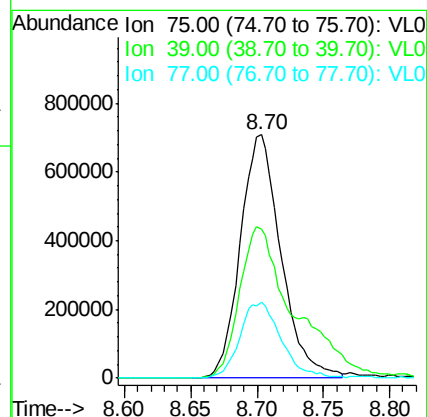
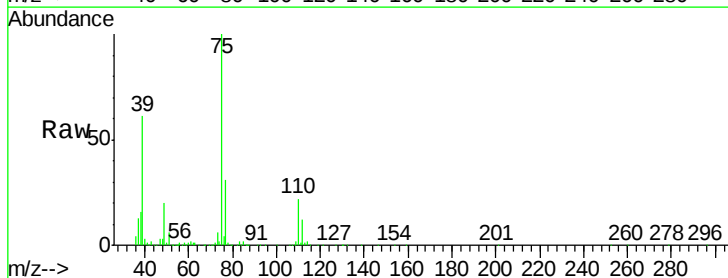
Tgt Ion: 75 Resp: 1509577

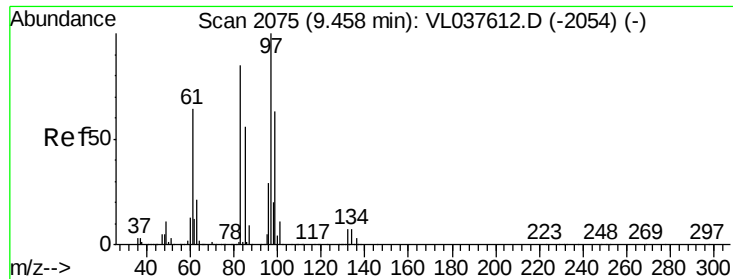
Ion Ratio Lower Upper

75 100

39 60.8 50.2 75.4

77 31.2 25.2 37.8

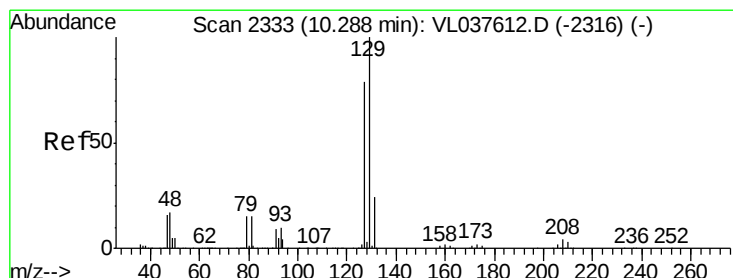
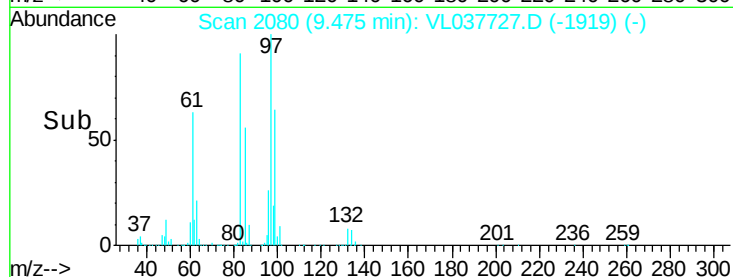
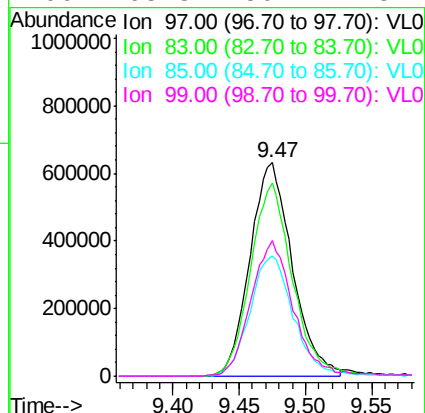
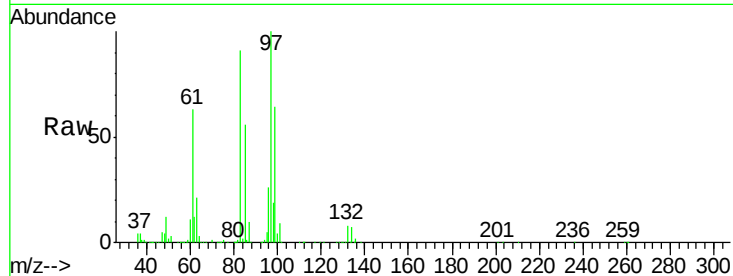




#47
 1,1,2-Trichloroethane
 Concen: 9.884 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

Tgt Ion: 97 Resp: 1403577

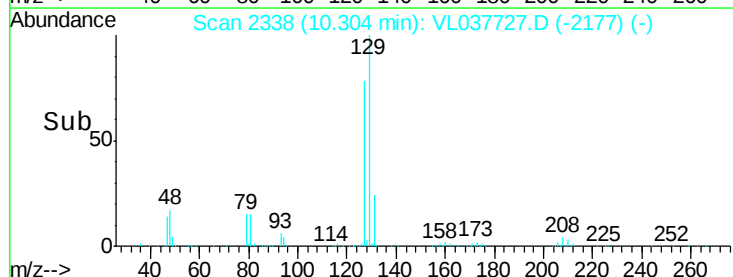
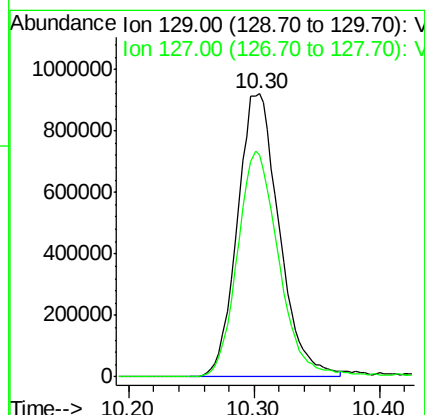
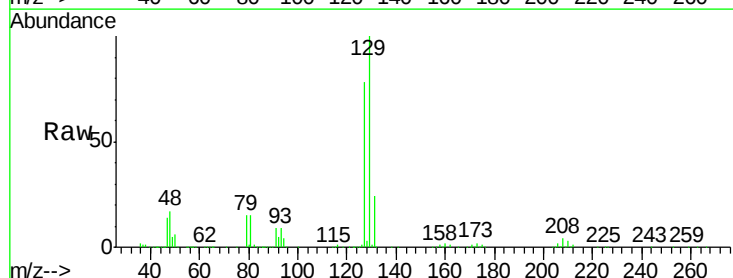
Ion	Ratio	Lower	Upper
97	100		
83	90.5	67.9	101.9
85	56.1	44.8	67.2
99	63.8	50.1	75.1

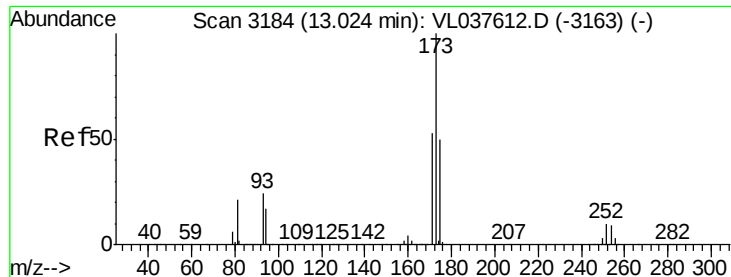


#48
 Dibromochloromethane
 Concen: 10.739 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL037727.D
 Acq: 29 Sep 2021 11:02

Tgt Ion: 129 Resp: 2127451

Ion	Ratio	Lower	Upper
129	100		
127	80.6	39.3	117.8





#49

Bromoform

Concen: 10.471 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02

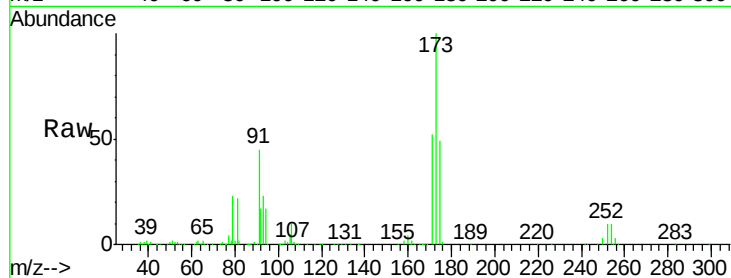
Tgt Ion: 173 Resp: 1660208

Ion Ratio Lower Upper

173 100

175 51.0 39.8 59.8

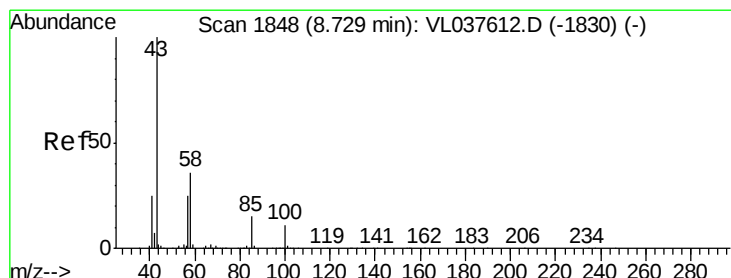
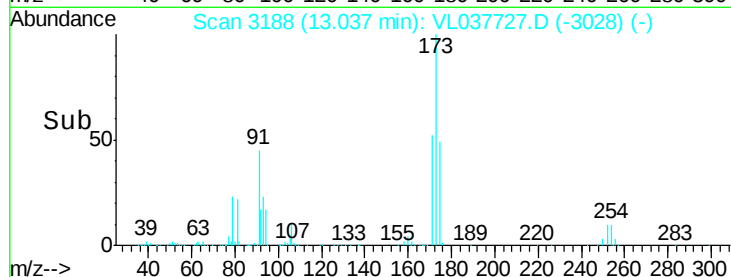
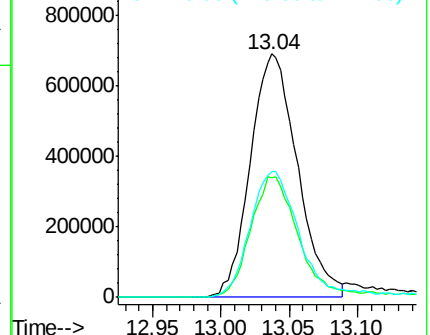
171 54.4 42.2 63.4



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: 11.677 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VL037727.D

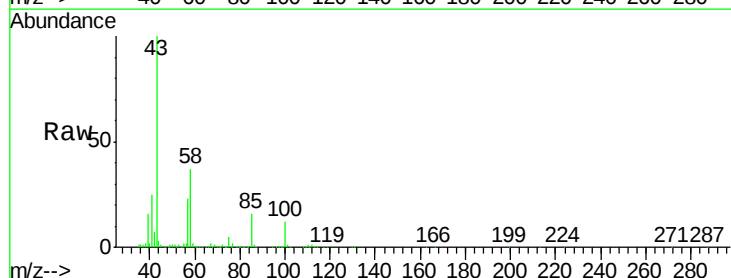
Acq: 29 Sep 2021 11:02

Tgt Ion: 43 Resp: 2420863

Ion Ratio Lower Upper

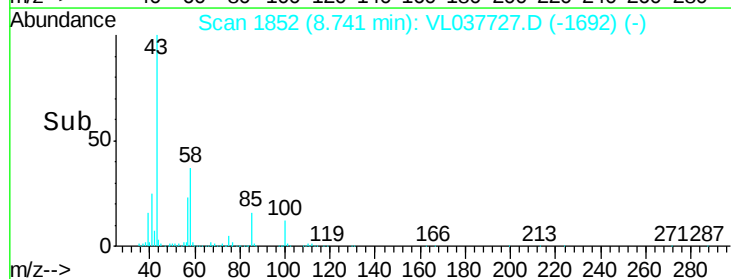
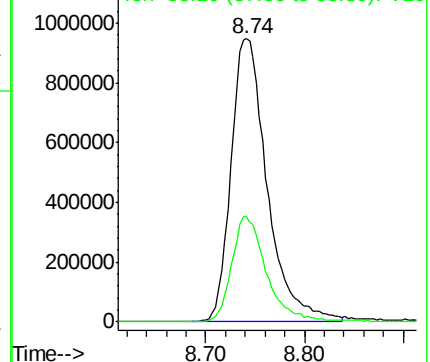
43 100

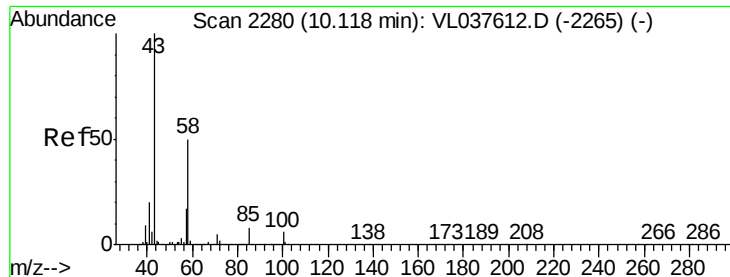
58 36.2 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

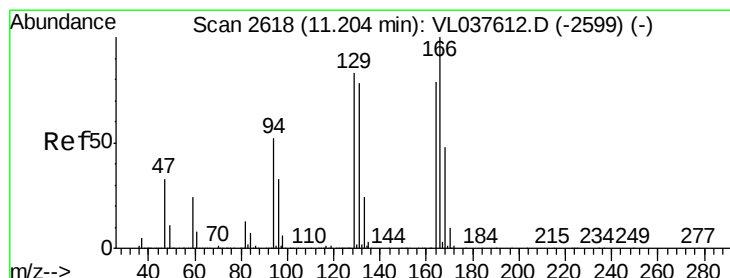
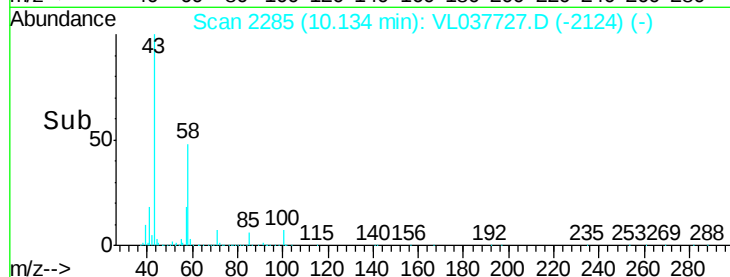
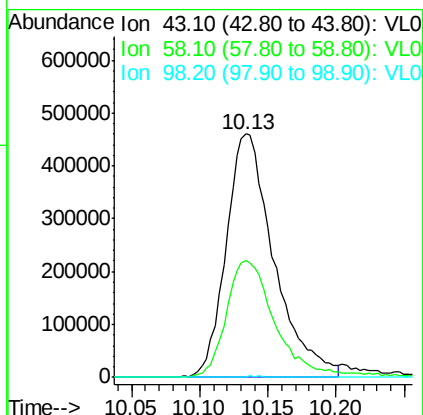
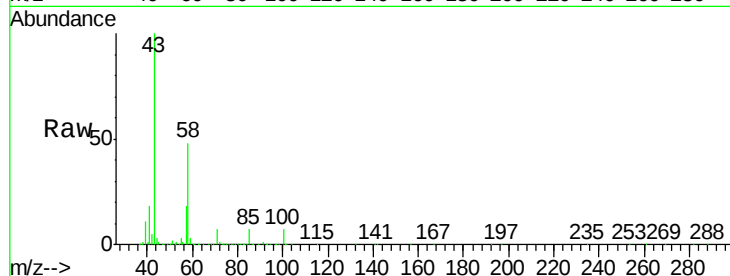
Ion 58.10 (57.80 to 58.80): VL0





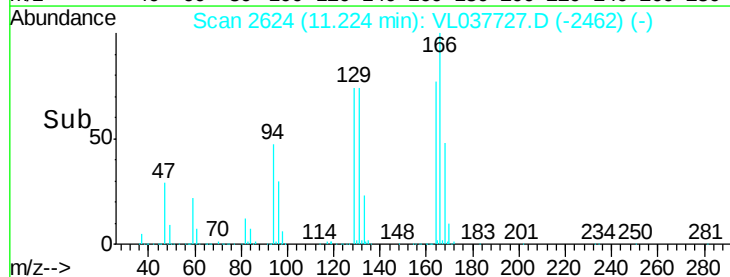
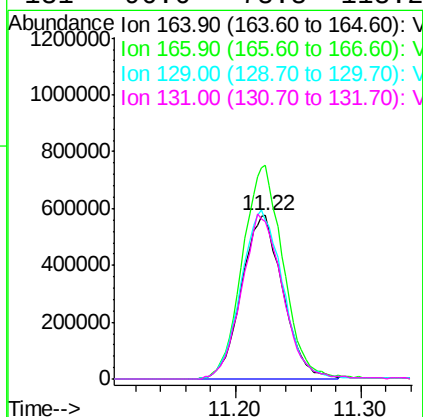
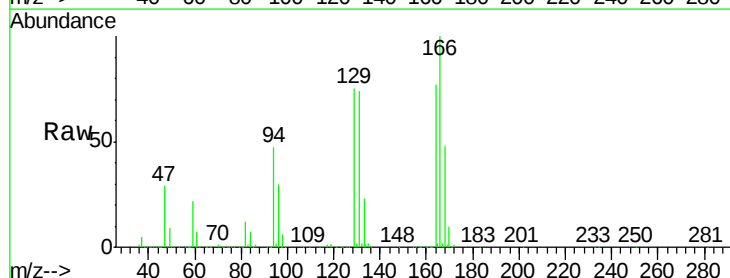
#51
2-Hexanone
Concen: 12.147 ppbv
RT: 10.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Sep 2021 11:02

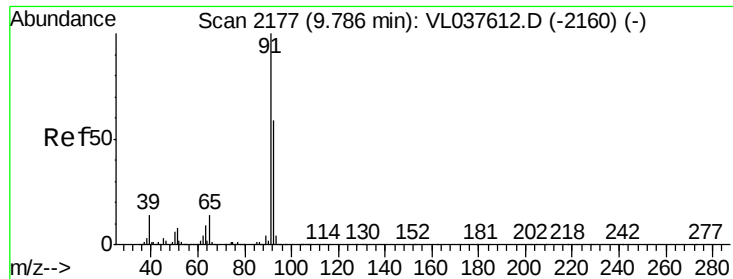
Tgt Ion: 43 Resp: 1111166
Ion Ratio Lower Upper
43 100
58 50.4 39.3 58.9
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.218 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.02 min
Lab File: VL037727.D
Acq: 29 Sep 2021 11:02

Tgt Ion: 164 Resp: 1314819
Ion Ratio Lower Upper
164 100
166 130.5 101.2 151.8
129 97.2 84.0 126.0
131 96.6 78.8 118.2





#53

Toluene

Concen: 11.173 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

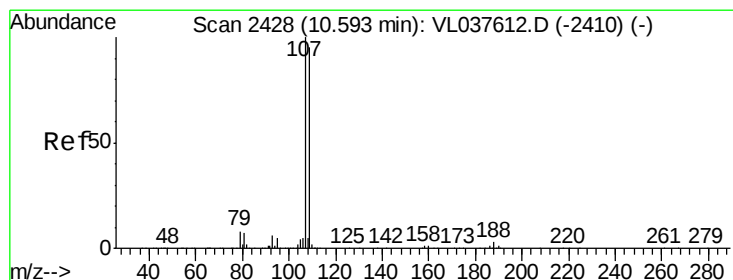
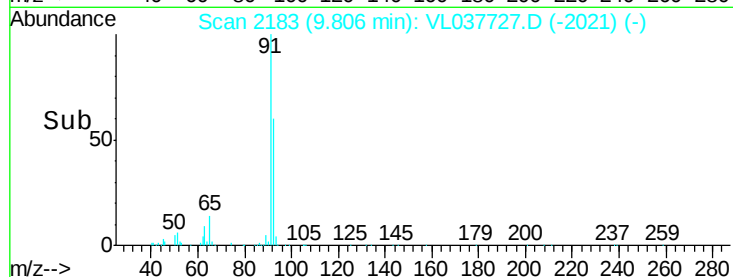
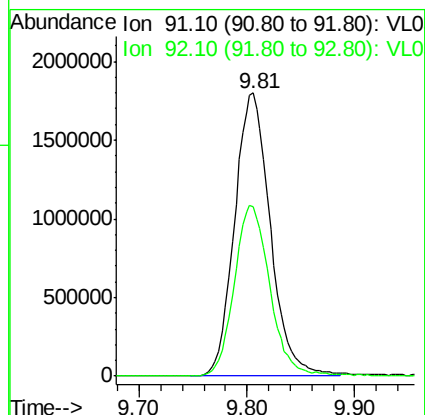
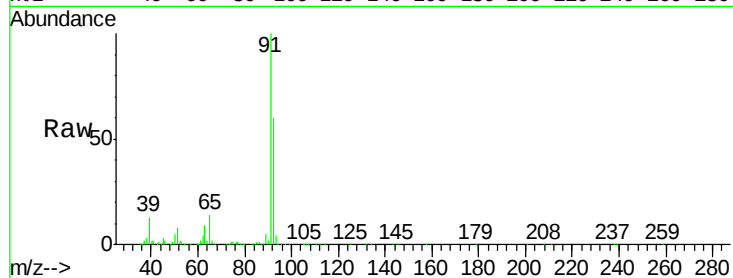
Acq: 29 Sep 2021 11:02 VSTDCCC010EC

Tgt Ion: 91 Resp: 4162423

Ion Ratio Lower Upper

91 100

92 60.5 48.9 73.3



#54

1,2-Dibromoethane

Concen: 10.283 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL037727.D

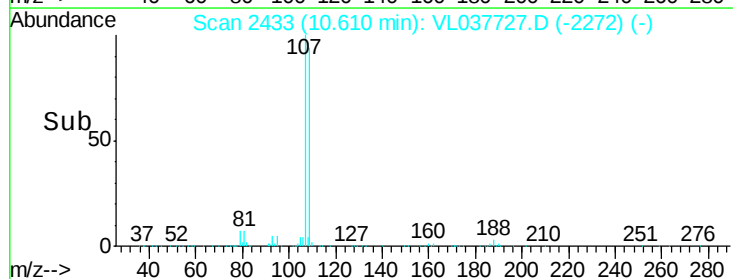
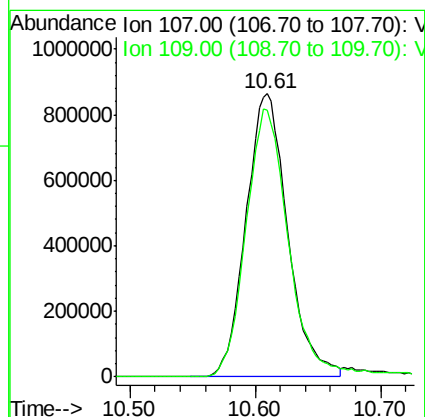
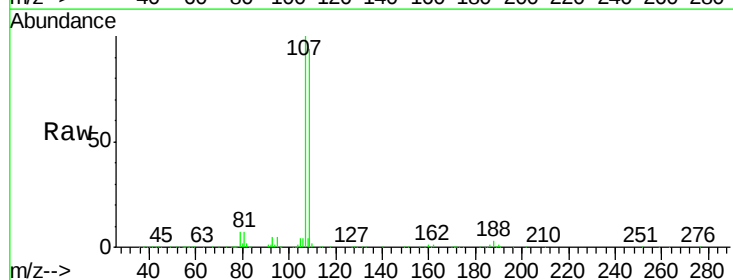
Acq: 29 Sep 2021 11:02

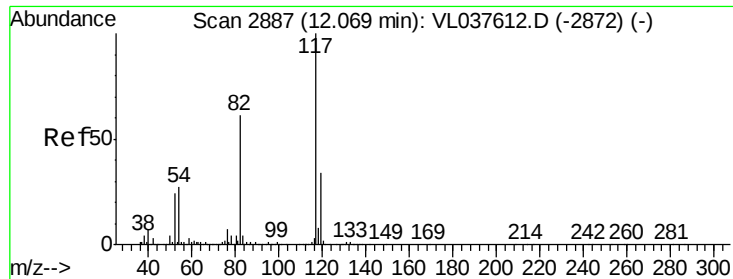
Tgt Ion: 107 Resp: 1999564

Ion Ratio Lower Upper

107 100

109 94.2 76.0 114.0

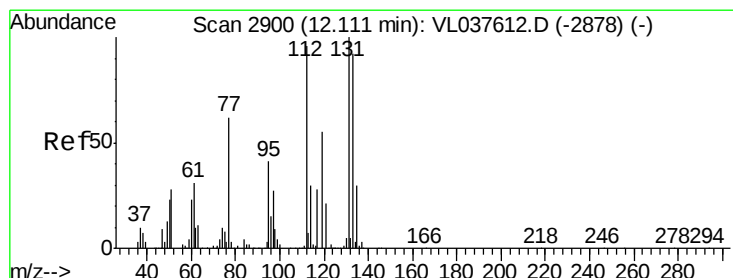
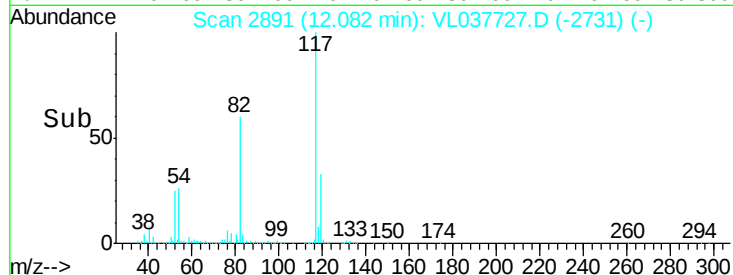
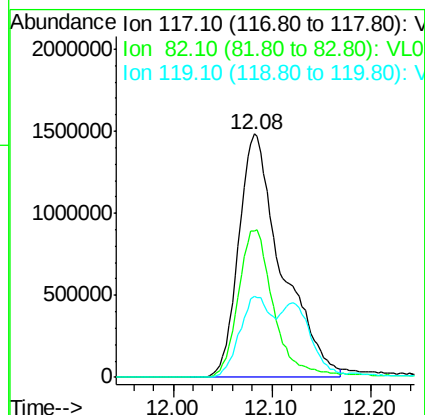
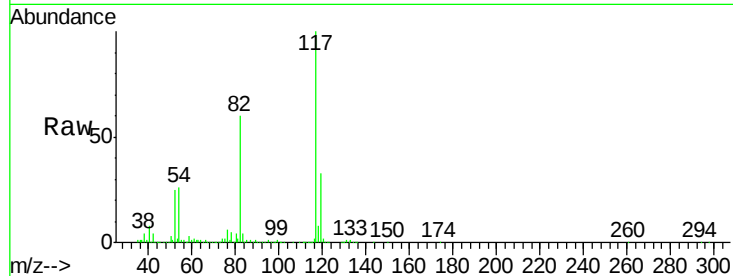




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

Tgt Ion: 117 Resp: 4506661

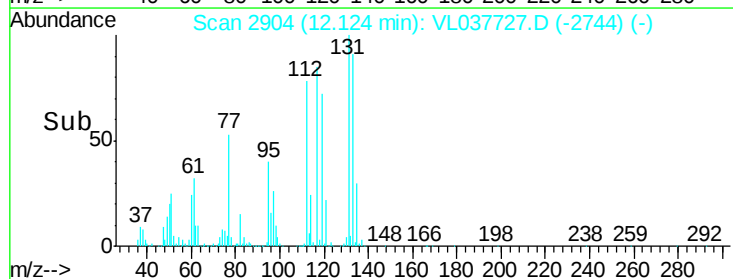
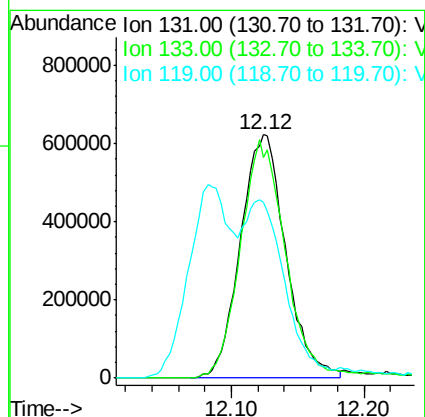
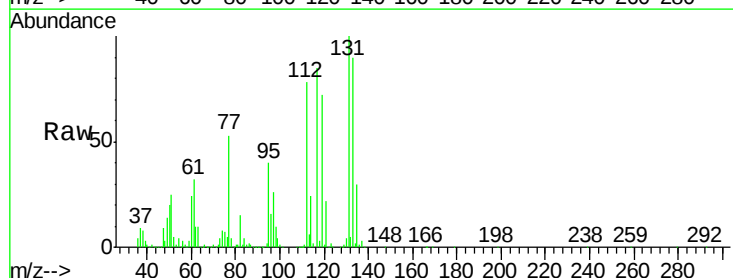
Ion	Ratio	Lower	Upper
117	100		
82	52.0	50.6	75.8
119	26.6	26.2	39.2

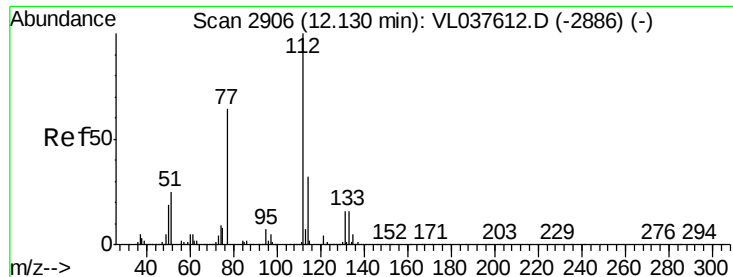


#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.888 ppbv
 RT: 12.12 min Scan# 2904
 Delta R.T.: 0.01 min
 Lab File: VL037727.D
 Acq: 29 Sep 2021 11:02

Tgt Ion: 131 Resp: 1474595

Ion	Ratio	Lower	Upper
131	100		
133	101.2	76.8	115.2
119	72.1	47.8	71.8#





#57

Chlorobenzene

Concen: 7.689 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02 VSTDCCC010EC

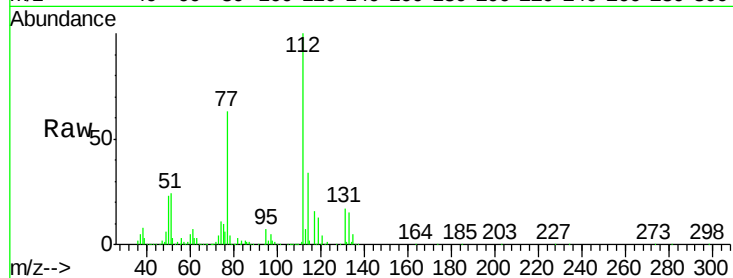
Tgt Ion: 112 Resp: 2880707

Ion Ratio Lower Upper

112 100

77 62.3 52.1 78.1

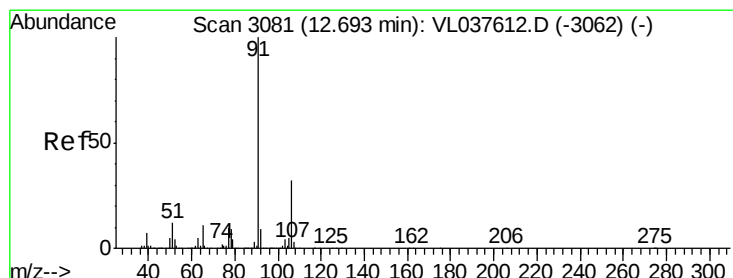
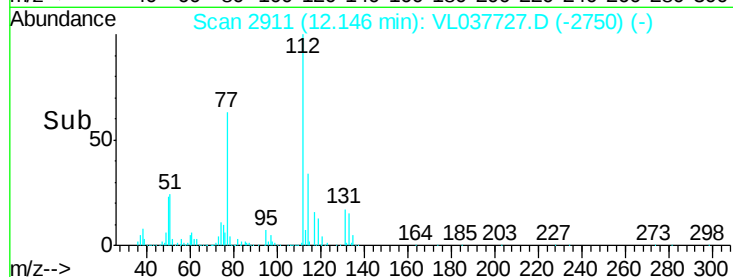
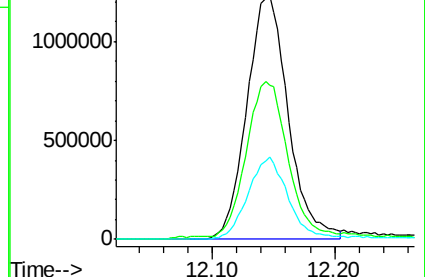
114 33.8 29.2 35.6



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: 8.590 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.01 min

Lab File: VL037727.D

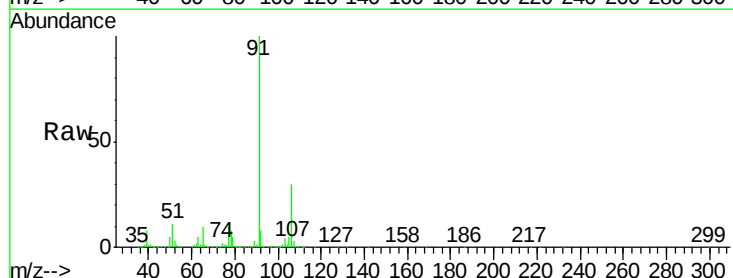
Acq: 29 Sep 2021 11:02

Tgt Ion: 91 Resp: 5139157

Ion Ratio Lower Upper

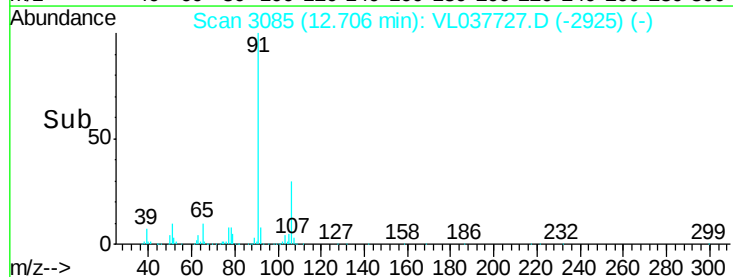
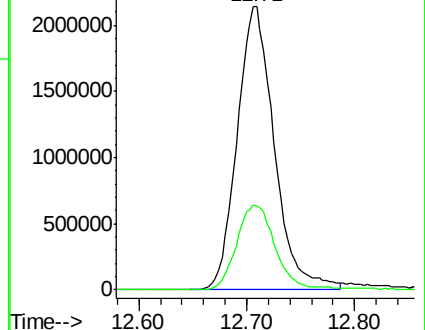
91 100

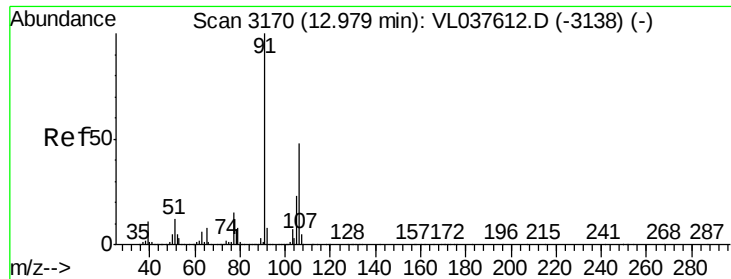
106 30.1 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

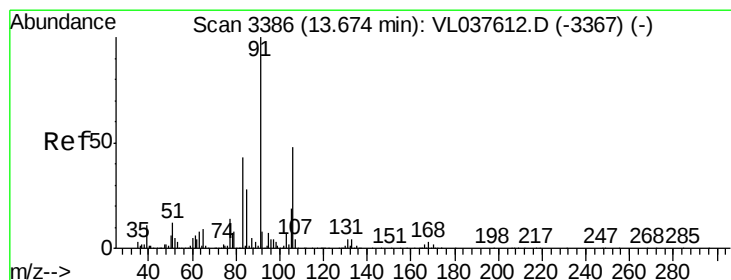
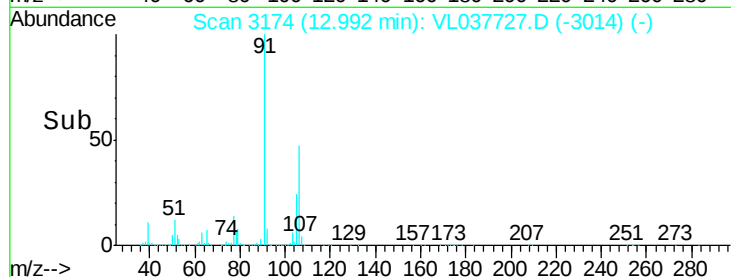
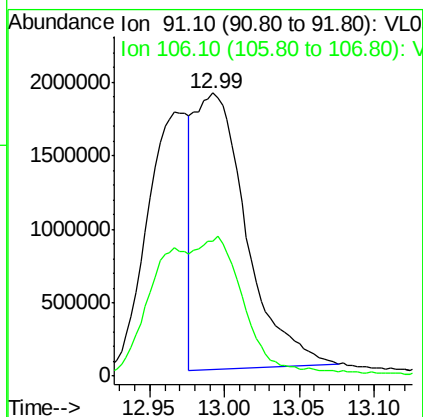
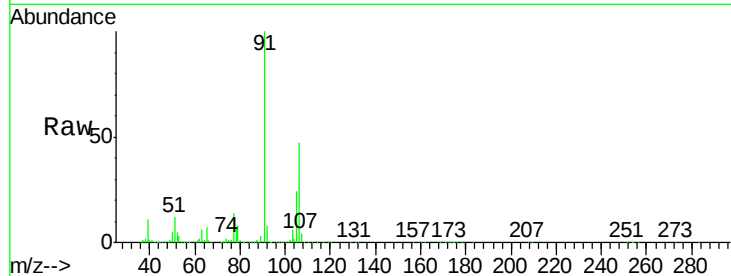
Ion 106.10 (105.80 to 106.80): V





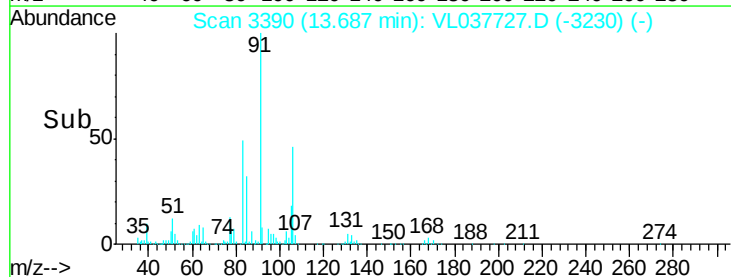
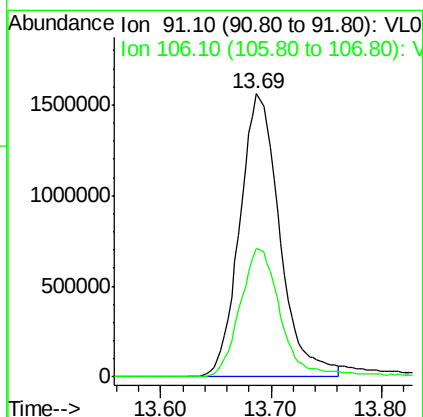
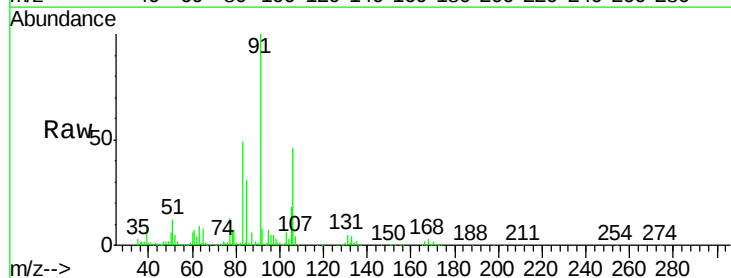
#59
m/p-Xylene
Concen: 8.675 ppbv
RT: 12.99 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 29 Sep 2021 11:02

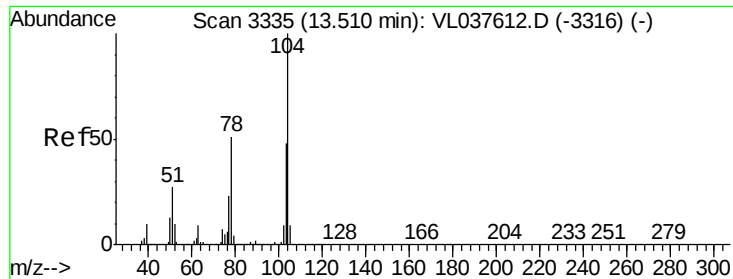
Tgt Ion: 91 Resp: 4522561
Ion Ratio Lower Upper
91 100
106 88.0 36.6 55.0#



#60
o-Xylene
Concen: 7.922 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL037727.D
Acq: 29 Sep 2021 11:02

Tgt Ion: 91 Resp: 3931099
Ion Ratio Lower Upper
91 100
106 47.5 23.0 69.0





#61

Styrene

Concen: 9.080 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02

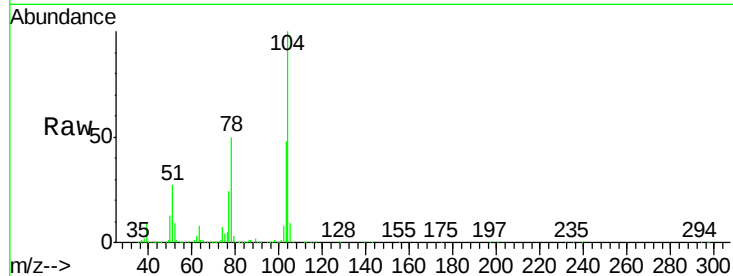
Tgt Ion:104 Resp: 2221749

Ion Ratio Lower Upper

104 100

78 50.6 39.7 59.5

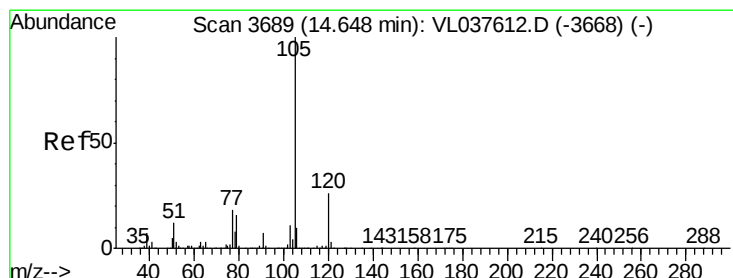
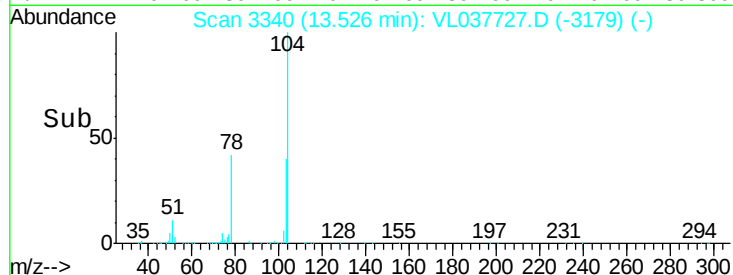
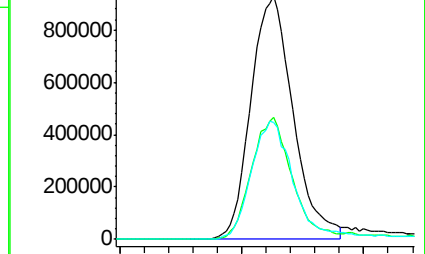
103 49.8 38.8 58.2



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: 7.902 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.02 min

Lab File: VL037727.D

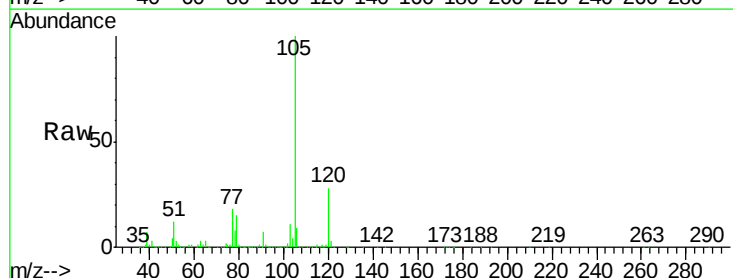
Acq: 29 Sep 2021 11:02

Tgt Ion:105 Resp: 5477708

Ion Ratio Lower Upper

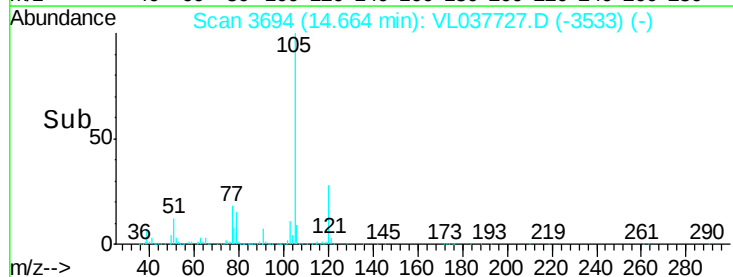
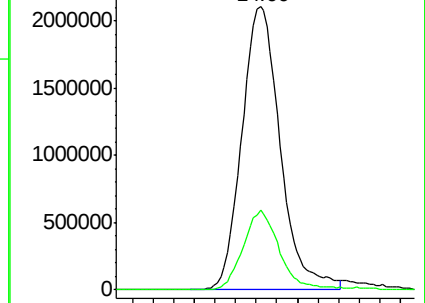
105 100

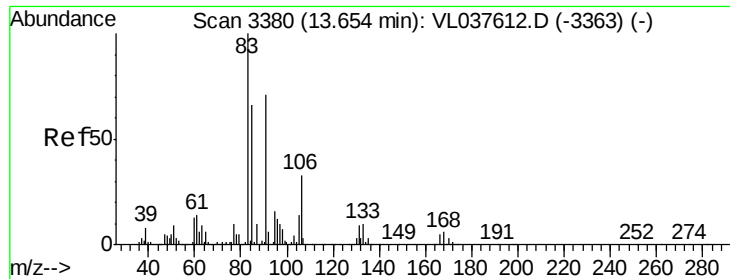
120 27.2 21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

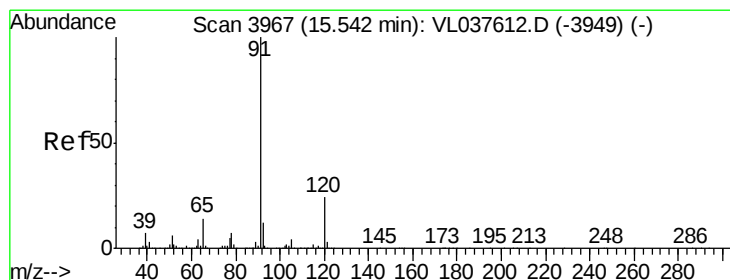
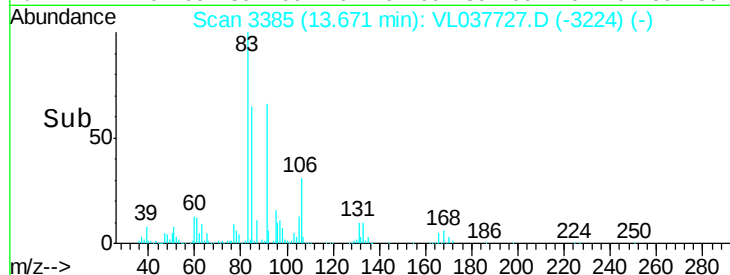
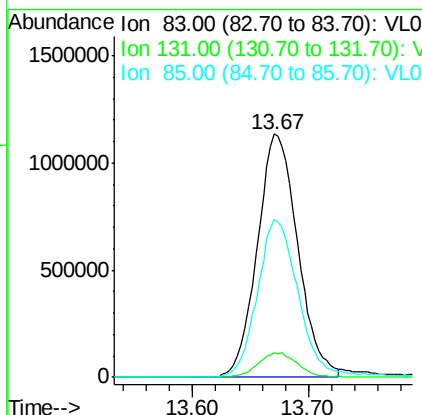
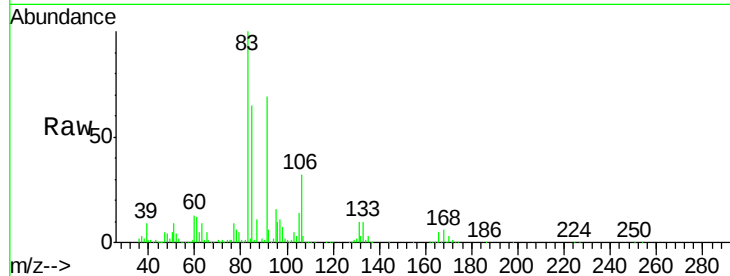




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.081 ppbv
 RT: 13.67 min
 Delta R.T. 0.02 min
 Lab File: VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

Tgt Ion: 83 Resp: 2749631

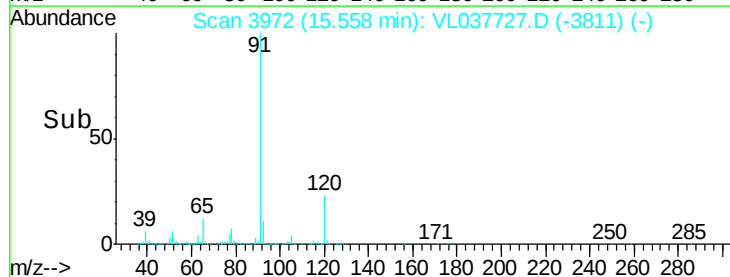
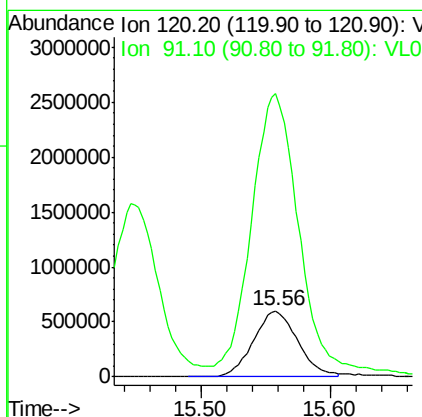
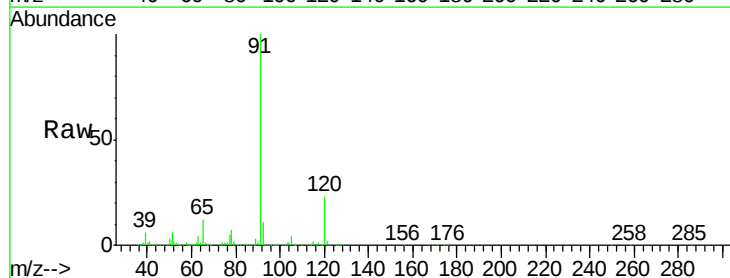
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	66.8	33.3	99.9

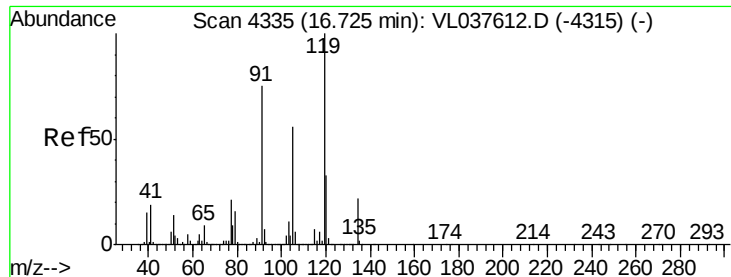


#64
 n-propylbenzene
 Concen: 8.021 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.02 min
 Lab File: VL037727.D
 Acq: 29 Sep 2021 11:02

Tgt Ion: 120 Resp: 1434774

Ion	Ratio	Lower	Upper
120	100		
91	474.4	345.0	517.4

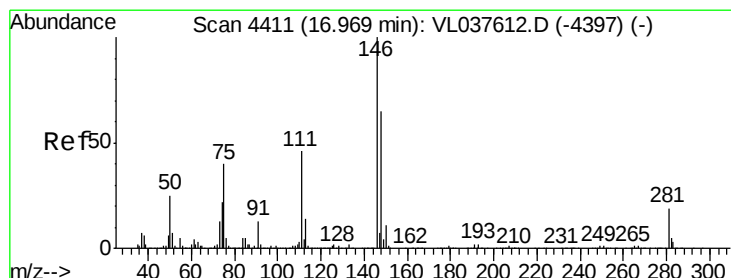
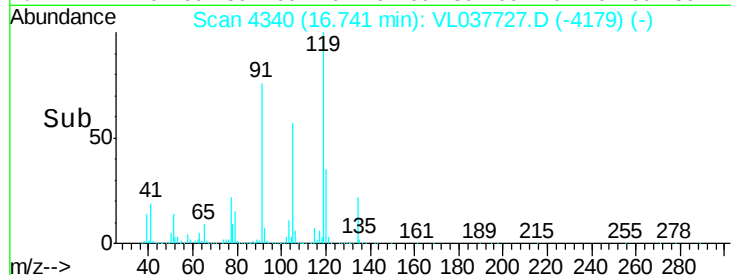
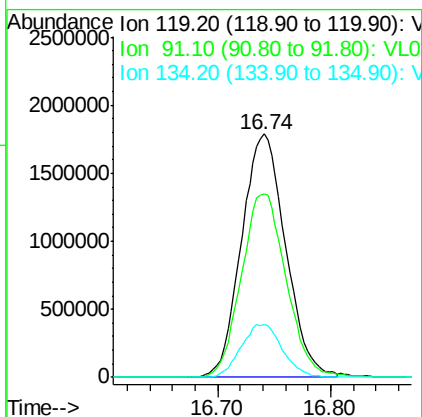
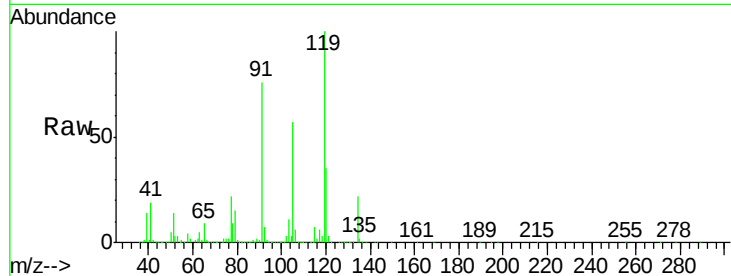




#65
 tert-Butylbenzene
 Concen: 7.726 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

Tgt Ion: 119 Resp: 4828474

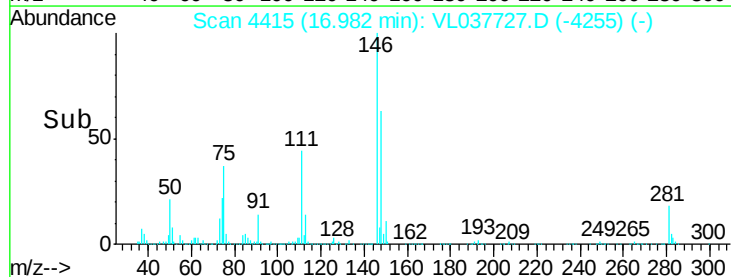
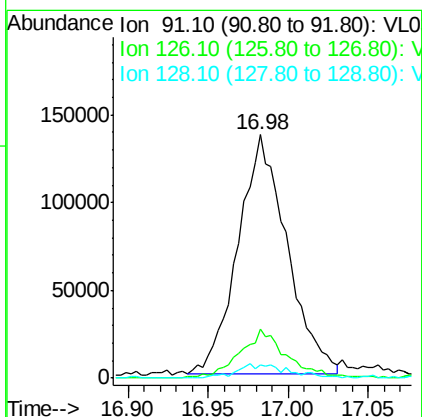
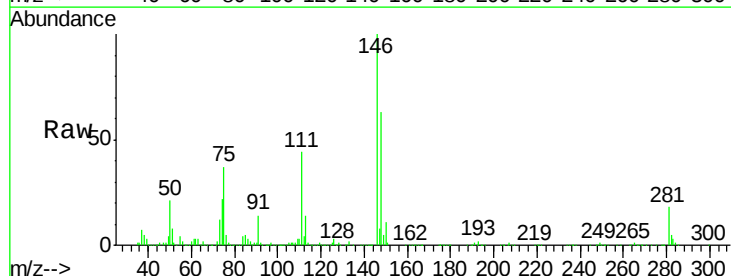
Ion	Ratio	Lower	Upper
119	100		
91	76.9	61.9	92.9
134	20.7	16.5	24.7

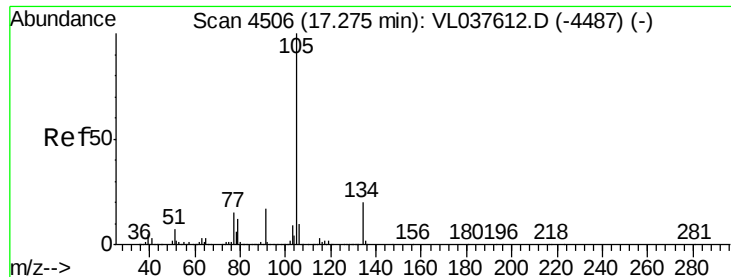


#66
 Benzyl Chloride
 Concen: 8.348 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T.: 0.01 min
 Lab File: VL037727.D
 Acq: 29 Sep 2021 11:02

Tgt Ion: 91 Resp: 285108

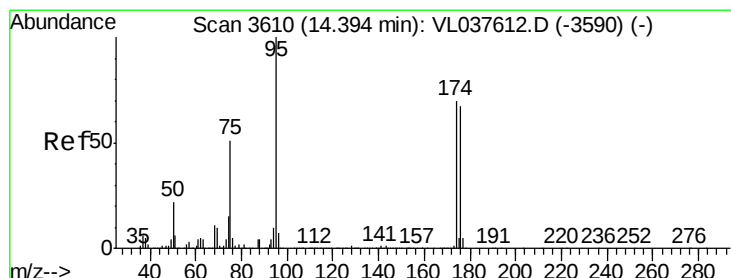
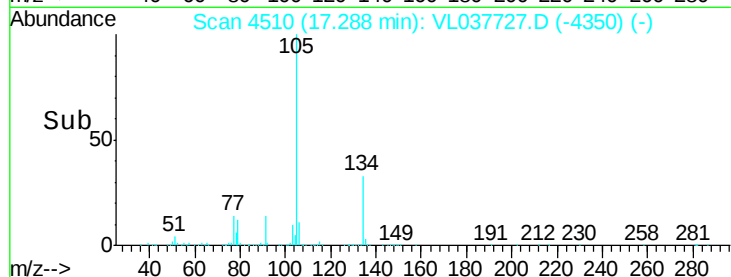
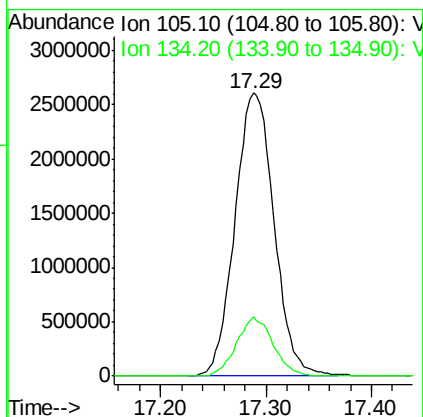
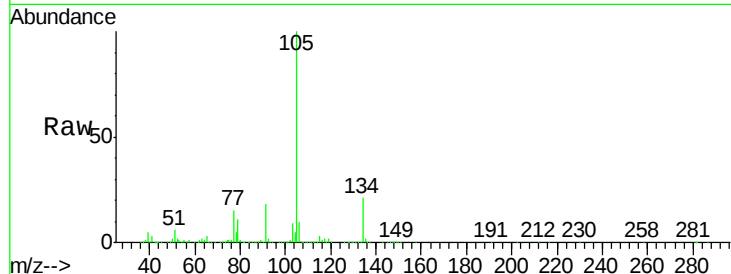
Ion	Ratio	Lower	Upper
91	100		
126	19.8	14.4	21.6
128	6.6	5.7	8.5





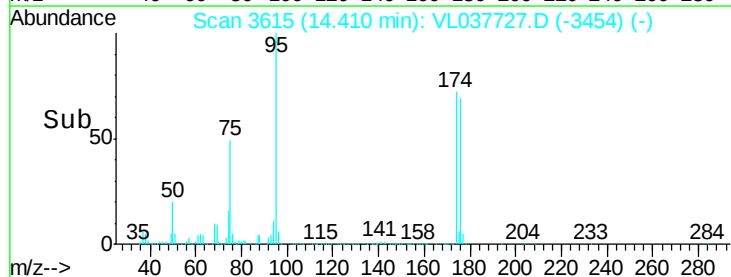
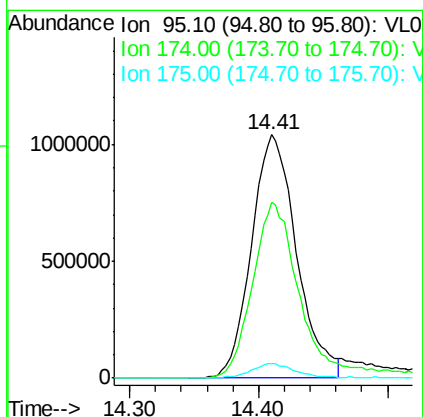
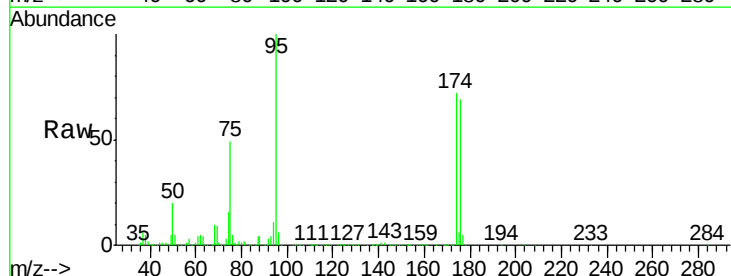
#67
 sec-Butylbenzene
 Concen: 7.912 ppbv
 RT: 17.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

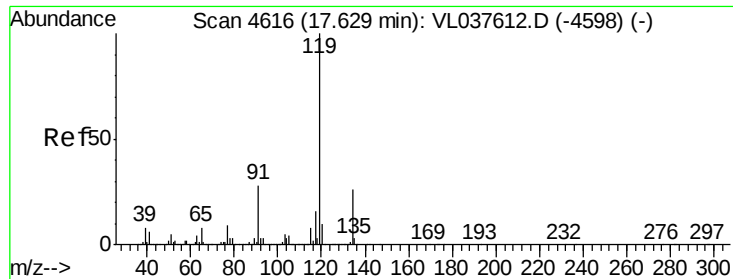
Tgt Ion: 105 Resp: 6708732
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.803 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.02 min
 Lab File: VL037727.D
 Acq: 29 Sep 2021 11:02

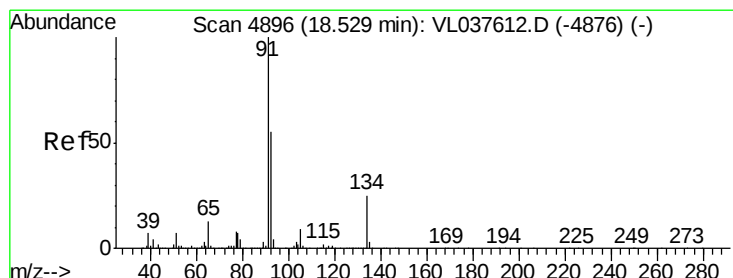
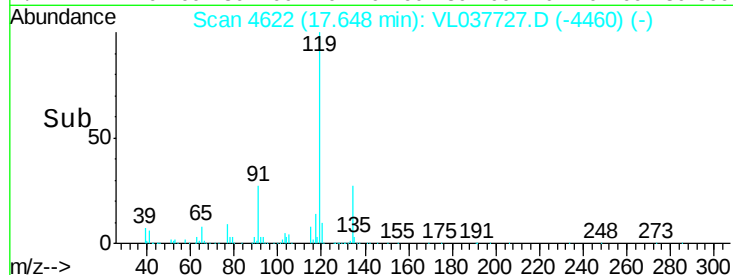
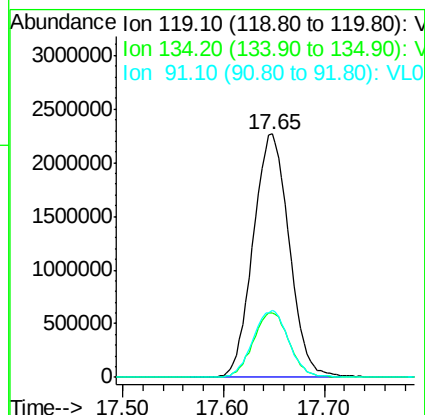
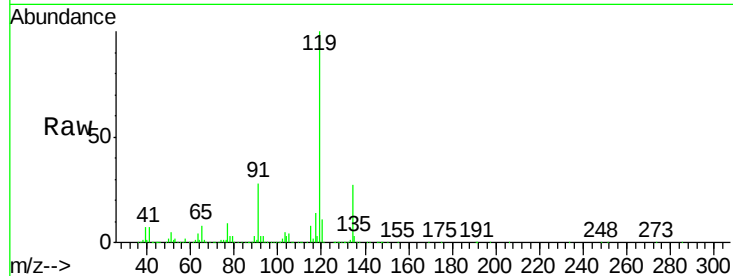
Tgt Ion: 95 Resp: 2541388
 Ion Ratio Lower Upper
 95 100
 174 78.5 56.3 84.5
 175 6.4 4.4 6.6





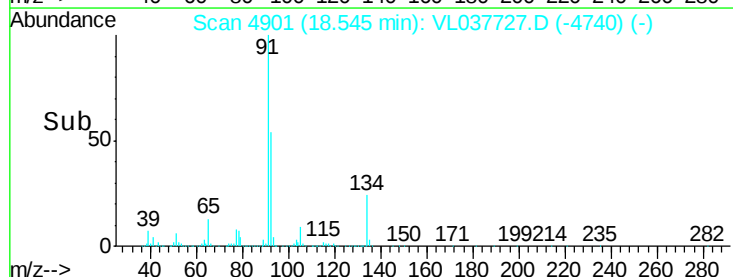
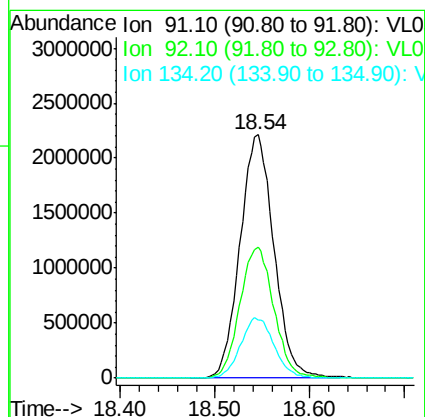
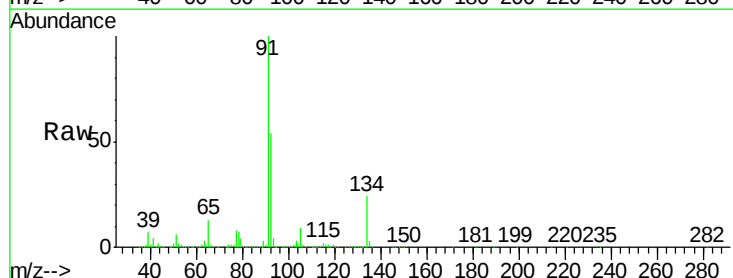
#69
 p-Isopropyltoluene
 Concen: 8.122 ppbv
 RT: 17.65
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

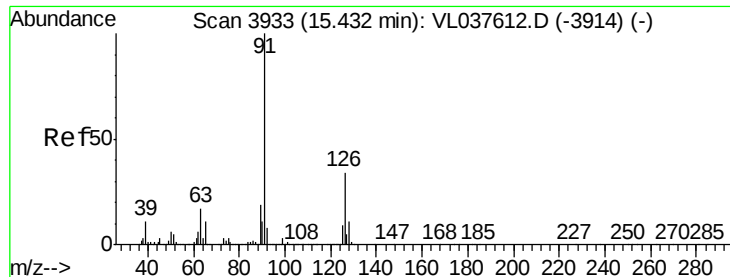
Tgt Ion: 119 Resp: 5626703
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.2 31.8
 91 27.4 22.2 33.2



#70
 n-Butylbenzene
 Concen: 8.397 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. 0.02 min
 Lab File: VL037727.D
 Acq: 29 Sep 2021 11:02

Tgt Ion: 91 Resp: 5503953
 Ion Ratio Lower Upper
 91 100
 92 54.2 44.0 66.0
 134 24.7 19.5 29.3





#71

2-Chlorotoluene

Concen: 8.020 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

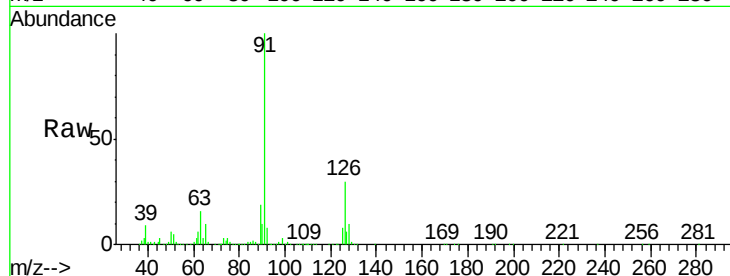
Acq: 29 Sep 2021 11:02

Tgt Ion: 91 Resp: 3983912

Ion Ratio Lower Upper

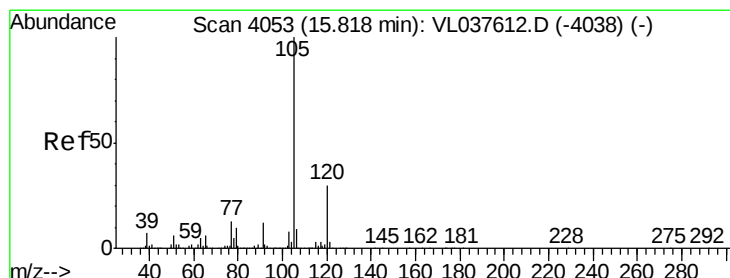
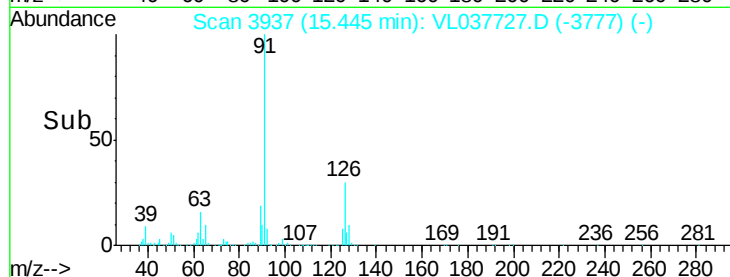
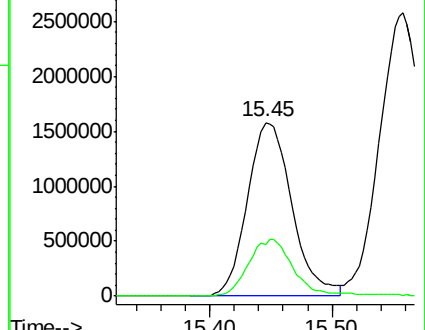
91 100

126 34.0 13.2 52.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.459 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.02 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

Tgt Ion: 105 Resp: 4818205

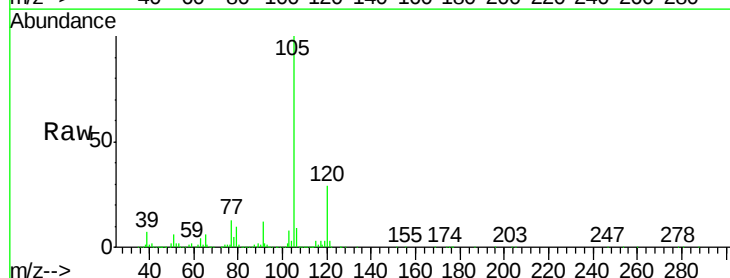
Ion Ratio Lower Upper

105 100

120 30.0 24.7 37.1

91 11.6 9.9 14.9

77 12.8 10.5 15.7

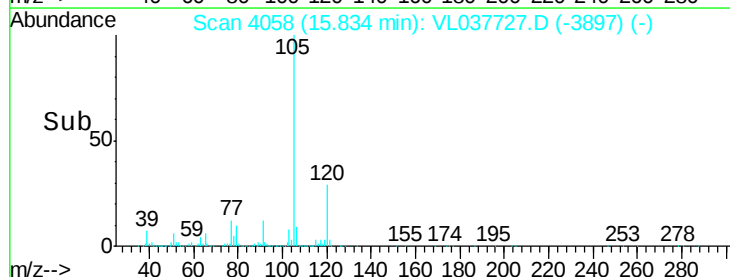
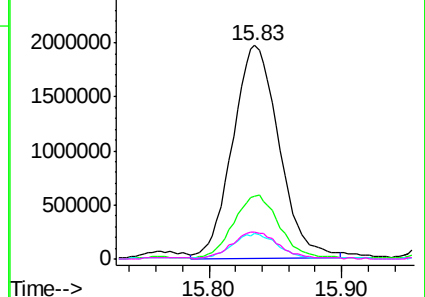


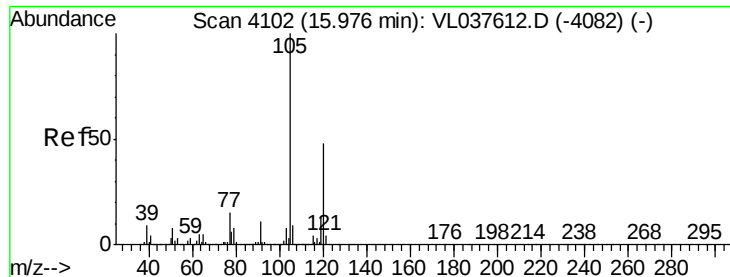
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 8.060 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

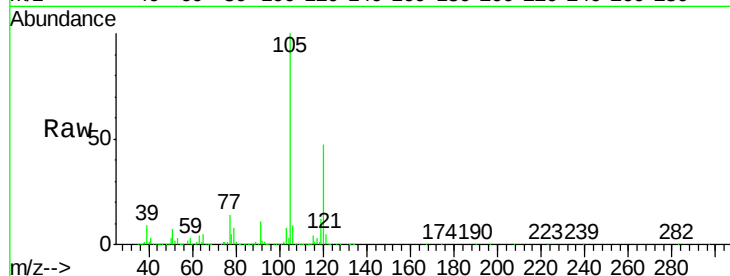
Acq: 29 Sep 2021 11:02

Tgt Ion:105 Resp: 4279297

Ion Ratio Lower Upper

105 100

120 47.2 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

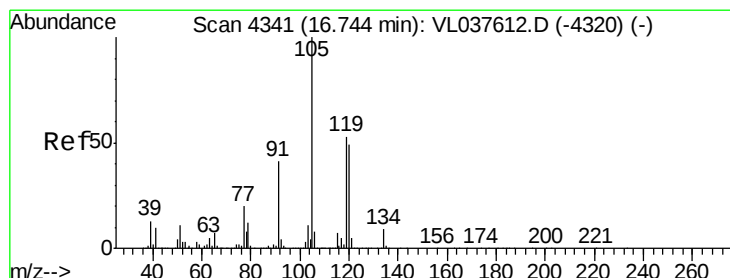
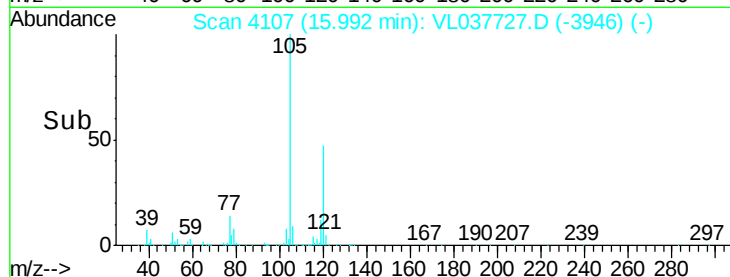
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.827 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

Tgt Ion:105 Resp: 4377214

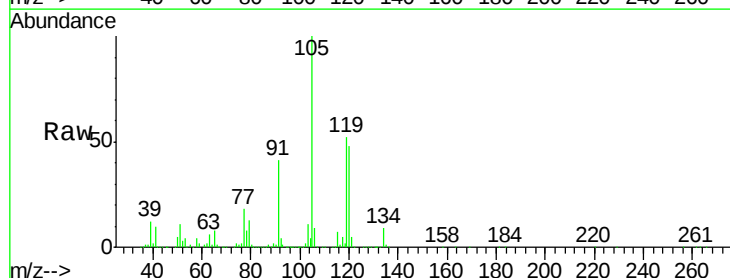
Ion Ratio Lower Upper

105 100

120 47.4 39.4 59.0

91 40.4 33.3 49.9

77 18.2 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

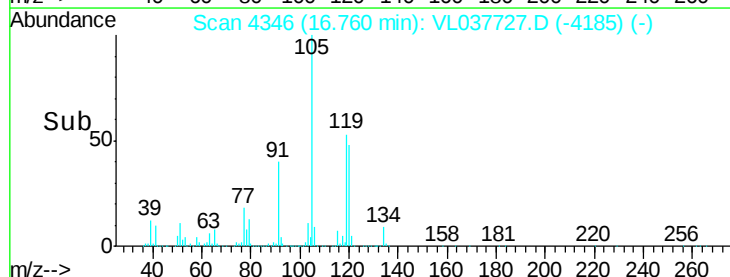
1000000

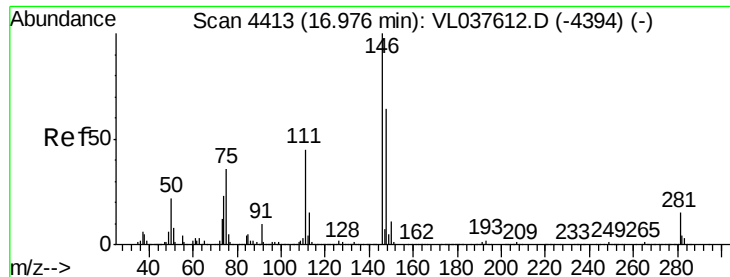
500000

0

16.70 16.80 16.90

Time-->

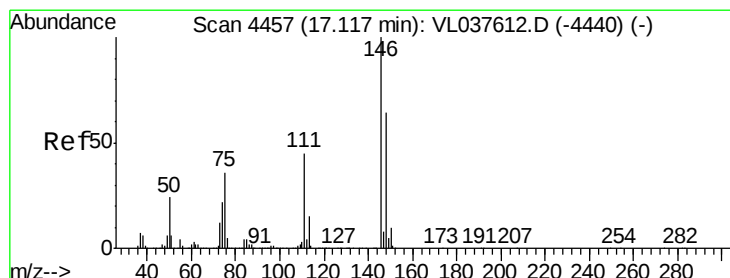
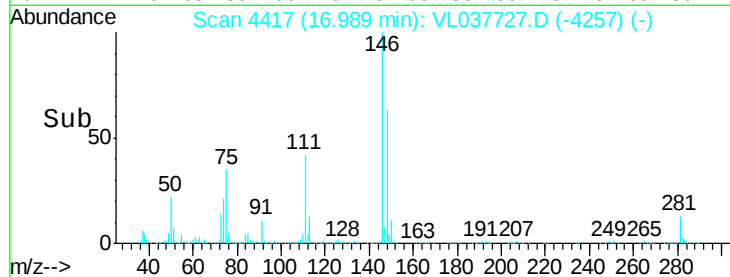
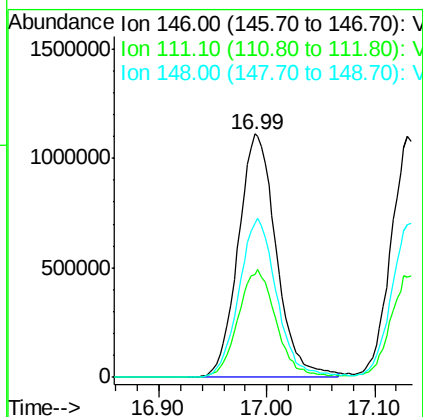
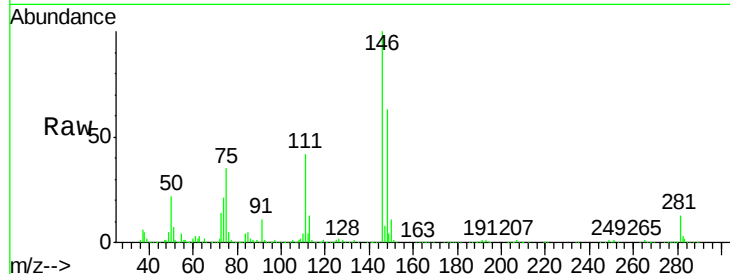




#75
 1,3-Dichlorobenzene
 Concen: 7.856 ppbv
 RT: 16.99 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

Tgt Ion:146 Resp: 2729433

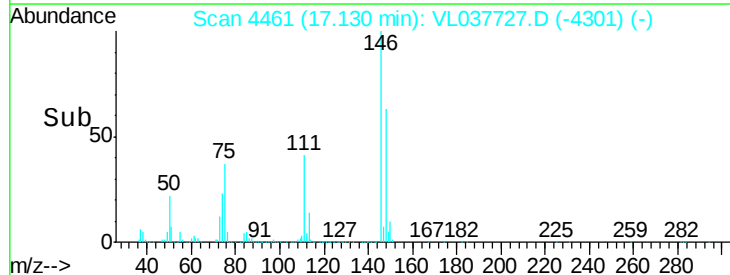
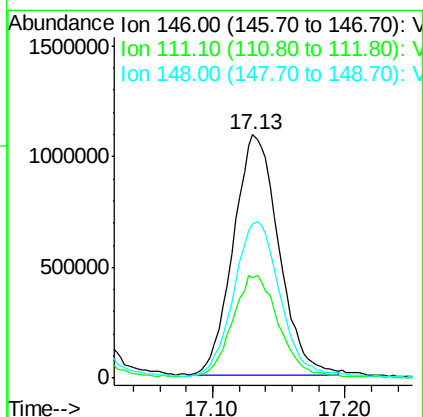
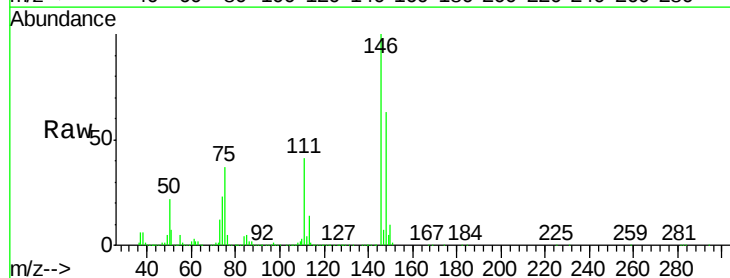
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.8	68.3
148	64.9	32.1	96.5

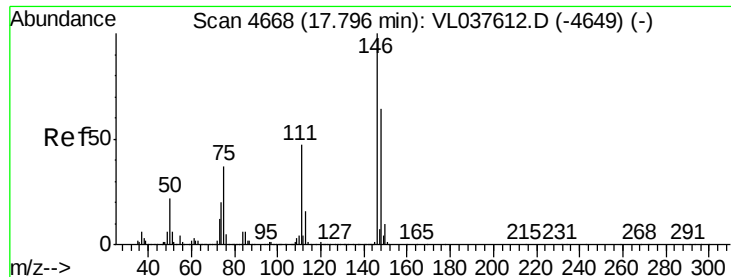


#76
 1,4-Dichlorobenzene
 Concen: 7.505 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.01 min
 Lab File: VL037727.D
 Acq: 29 Sep 2021 11:02

Tgt Ion:146 Resp: 2571936

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.5	67.5
148	68.4	32.9	98.6





#77

1,2-Dichlorobenzene

Concen: 7.845 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 11:02

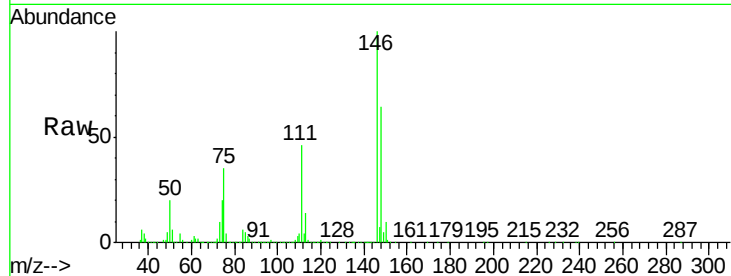
Tgt Ion:146 Resp: 2585250

Ion Ratio Lower Upper

146 100

111 46.0 24.0 72.0

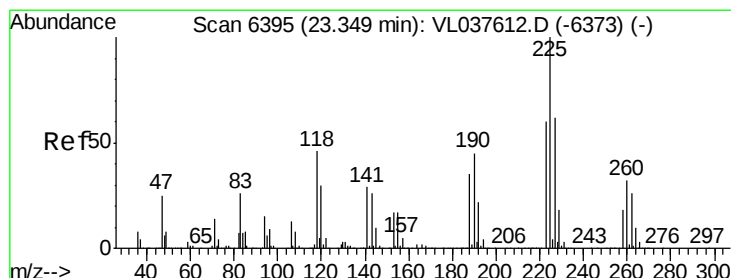
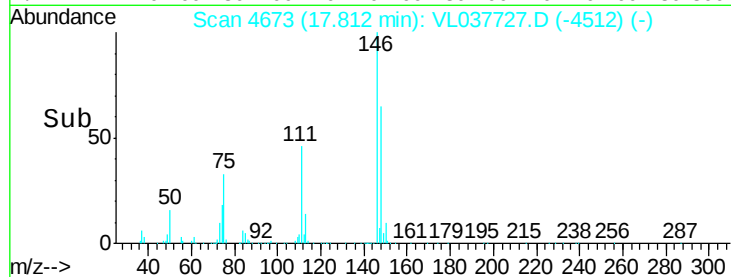
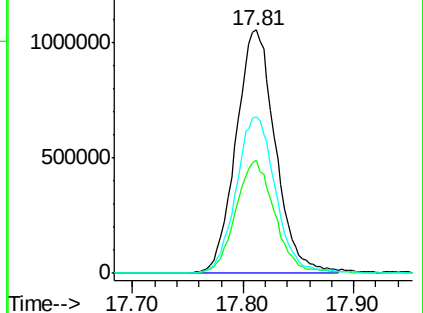
148 65.2 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.682 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.02 min

Lab File: VL037727.D

Acq: 29 Sep 2021 11:02

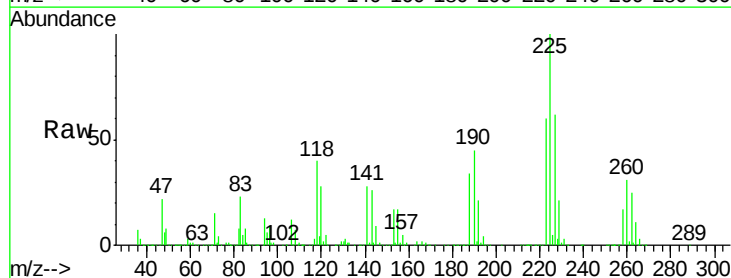
Tgt Ion:225 Resp: 2130688

Ion Ratio Lower Upper

225 100

223 64.0 51.1 76.7

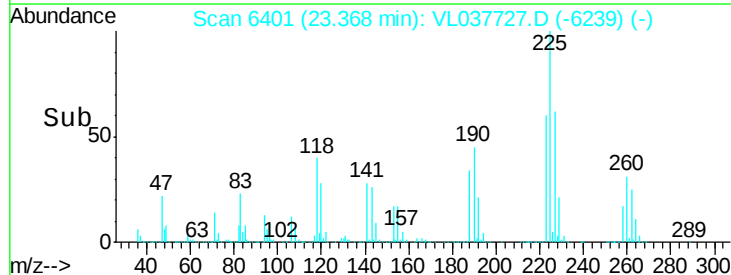
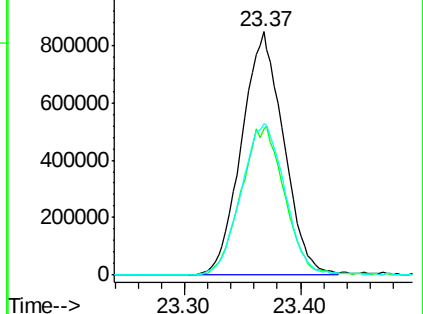
227 65.4 52.2 78.4

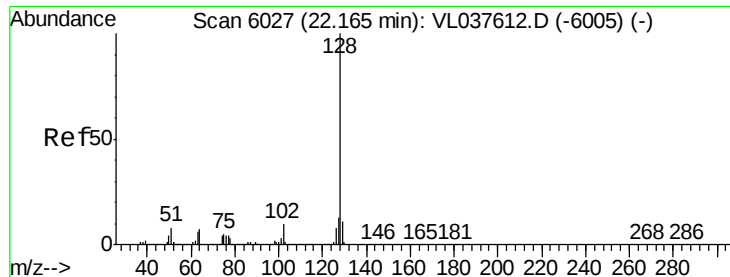


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

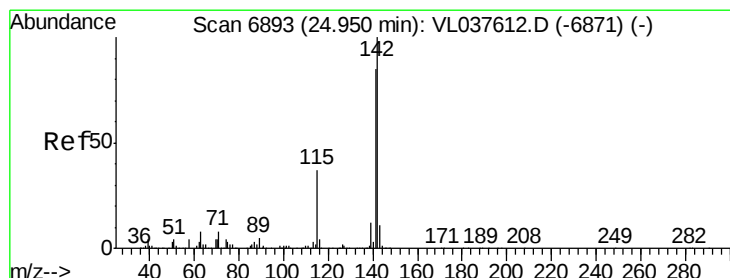
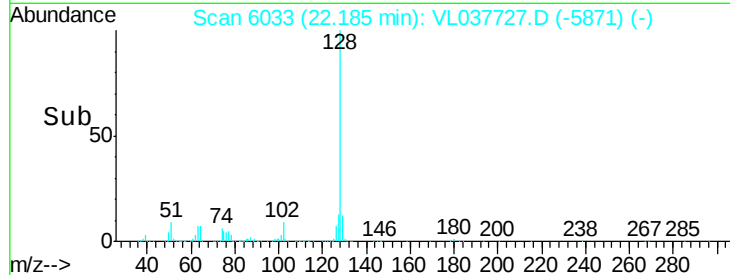
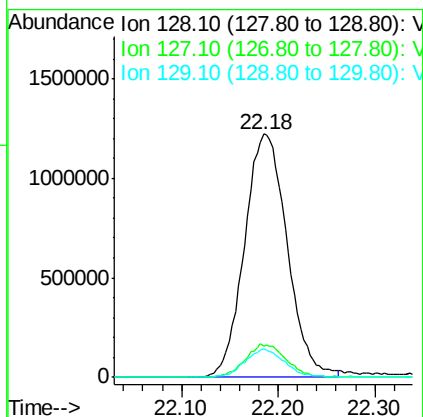
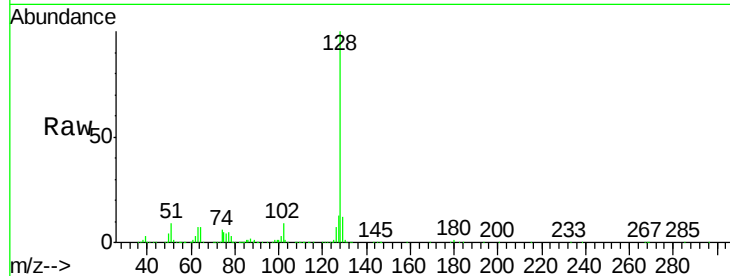




#79
Naphthalene
Concen: 10.896 ppbv
RT: 22.18 min
Instrument: MSVOA_L
Delta R.T.: 0.02 min
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 29 Sep 2021 11:02

Tgt Ion:128 Resp: 3741267

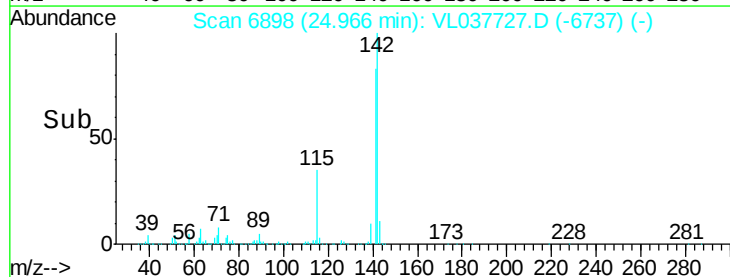
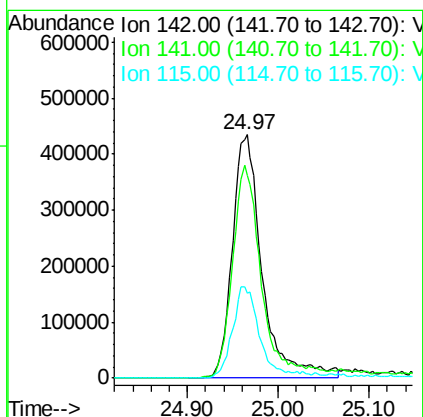
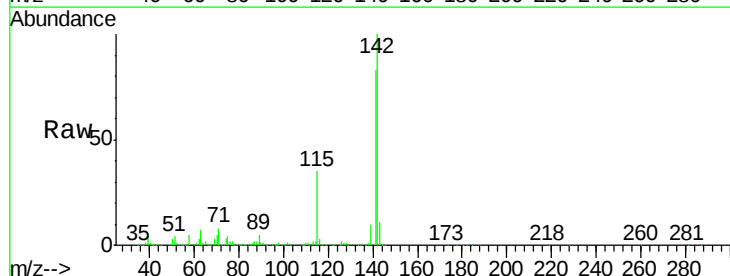
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	11.5	8.6	12.8

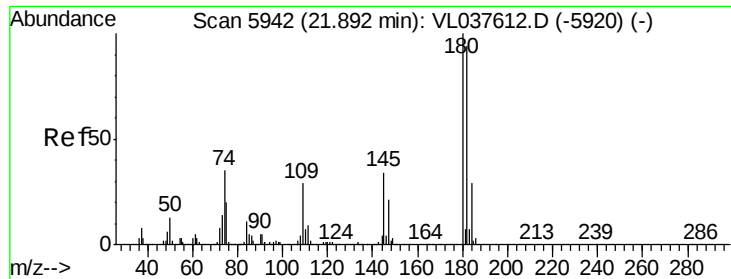


#80
Naphthalene, 2-methyl-
Concen: 12.615 ppbv
RT: 24.97 min Scan# 6898
Delta R.T.: 0.02 min
Lab File: VL037727.D
Acq: 29 Sep 2021 11:02

Tgt Ion:142 Resp: 990040

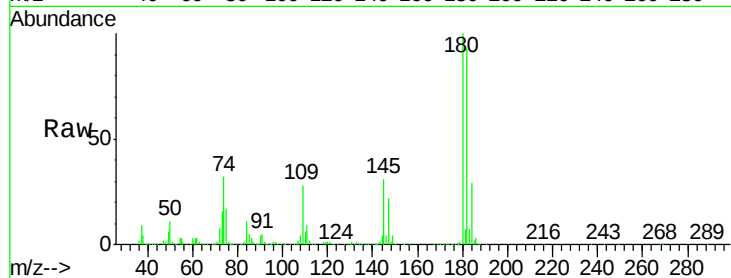
Ion	Ratio	Lower	Upper
142	100		
141	92.5	70.9	106.3
115	35.2	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.811 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 29 Sep 2021 11:02

Tgt Ion:180 Resp: 2162952
 Ion Ratio Lower Upper
 180 100
 182 99.7 78.9 118.3
 184 31.8 24.7 37.1



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

