

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036161.D
 Acq On : 11 Dec 2020 12:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 16:02:04 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020

QLast Update : Mon Dec 07 16:56:49 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1246972	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	2568980	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2464283m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2138951	10.93	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	1285354	8.845	ppbv	98
3) Chlorodifluoromethane	2.98	51	1565412	11.003	ppbv	97
4) Chloromethane	3.13	50	743140	10.639	ppbv	99
5) Vinyl Chloride	3.25	62	727485	9.362	ppbv	100
6) Bromomethane	3.46	94	364488	9.090	ppbv	84
7) Chloroethane	3.55	64	256019	9.672	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	1666698	10.320	ppbv	88
9) Propene	3.00	41	694302	9.742	ppbv	99
10) Heptane	8.11	43	1782866	9.795	ppbv	99
11) Trichlorofluoromethane	3.94	101	1776646	10.398	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1096775	9.452	ppbv	91
13) Ethanol	3.60	45	90757m	9.237	ppbv	
14) Bromoethene	3.73	108	458634	9.635	ppbv	96
15) Acetone	3.84	43	1538118	10.263	ppbv	97
16) 1,3-Butadiene	3.31	39	717332	9.503	ppbv	98
17) tert-Butyl alcohol	4.28	59	1059610	7.299	ppbv	99
18) 1,1-Dichloroethene	4.28	96	494107	9.591	ppbv	97
19) Isopropyl Alcohol	3.96	45	727912	7.947	ppbv #	100
20) Methylene Chloride	4.33	84	420956m	6.854	ppbv	
21) Allyl Chloride	4.40	41	855298	8.583	ppbv	90
22) trans-1,2-Dichloroethene	4.87	96	485578	9.414	ppbv	92
23) Vinyl Acetate	5.07	43	1947034	9.758	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1336865	9.526	ppbv	99
25) Ethyl Acetate	5.67	43	3015398	10.071	ppbv	100
26) Hexane	5.68	57	1235438	9.169	ppbv	99
27) Carbon Disulfide	4.54	76	1189498	8.882	ppbv	95
28) Methyl tert-Butyl Ether	5.02	73	1685056	8.796	ppbv	100
29) Chloroform	5.74	83	1886024	10.659	ppbv	99
30) Cyclohexane	7.12	84	968289	9.782	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1307166	10.672	ppbv	92
32) 1,1,1-Trichloroethane	6.51	97	1848533	10.124	ppbv	96
34) 2-Butanone	5.24	43	1827699	10.726	ppbv	99
35) Carbon Tetrachloride	7.01	117	1763120	11.769	ppbv	99
36) Benzene	6.89	78	2448345	11.246	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1626707	12.894	ppbv	97
38) Trichloroethene	7.83	130	741325	9.109	ppbv	92
39) 1,2-Dichloropropane	7.61	63	1004331	11.681	ppbv	96
40) 1,4-Dioxane	7.83	88	294350	10.885	ppbv #	42
41) Tetrahydrofuran	6.04	42	1134335	11.205	ppbv	99
42) Bromodichloromethane	7.79	83	2096414	12.471	ppbv	98
43) Methyl Methacrylate	8.01	69	1134201	12.143	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020

QLast Update : Mon Dec 07 16:56:49 2020

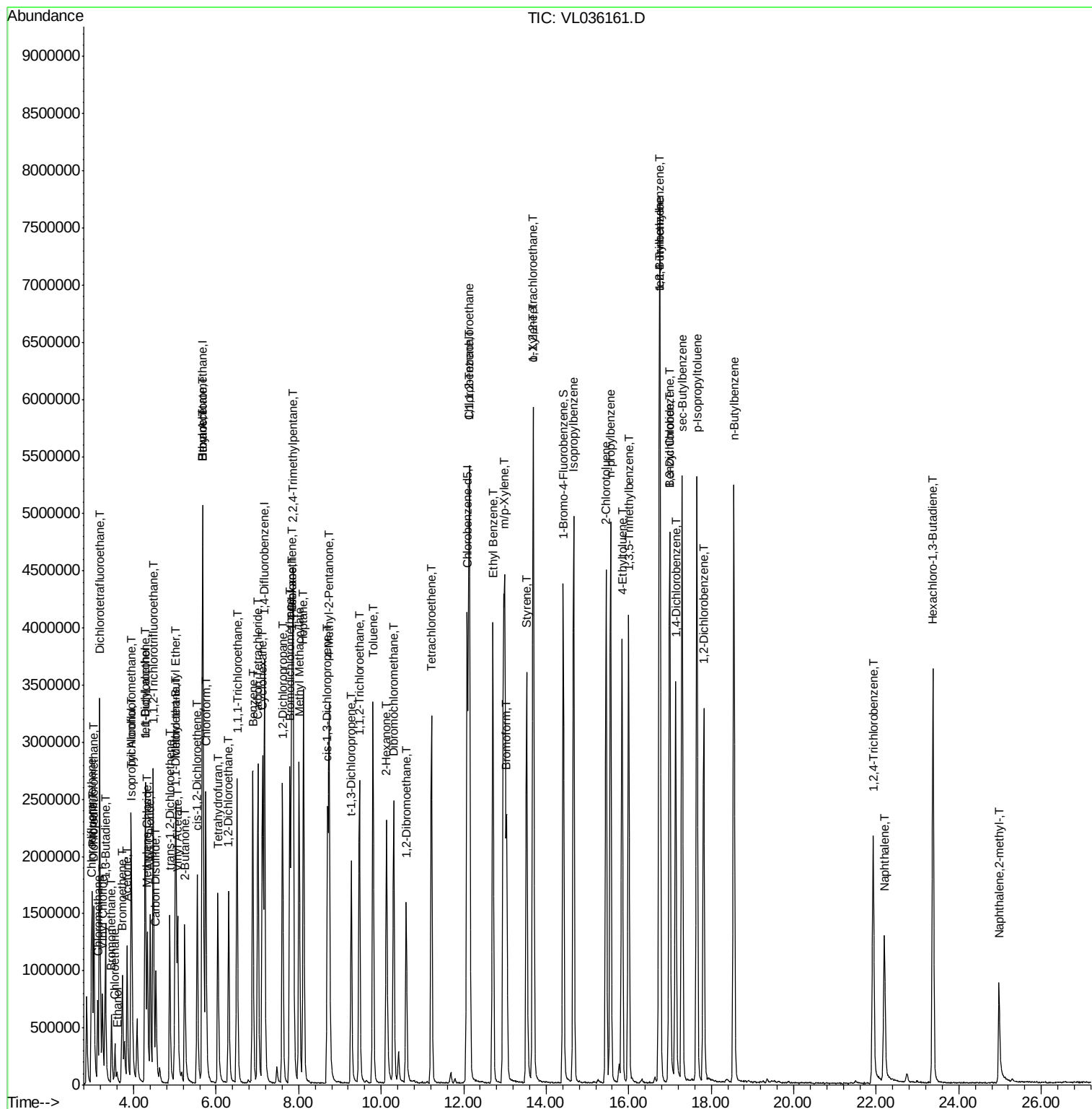
Response via : Initial Calibration

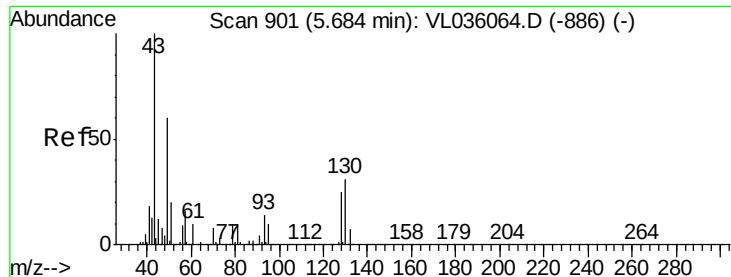
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4417915	11.205	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1190048	12.402	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1417642	11.787	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	933577	11.286	ppbv	98
48) Dibromochloromethane	10.30	129	1470757	11.774	ppbv	99
49) Bromoform	13.04	173	1185948	12.063	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	3011795	11.851	ppbv	99
51) 2-Hexanone	10.13	43	2419971	12.182	ppbv #	97
52) Tetrachloroethene	11.22	164	701528	8.901	ppbv	96
53) Toluene	9.80	91	2679151	10.959	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1398241	11.277	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1088108	10.649	ppbv	97
57) Chlorobenzene	12.14	112	1814385	10.488	ppbv	95
58) Ethyl Benzene	12.71	91	3718565	11.011	ppbv	100
59) m/p-Xylene	13.00	91	6310926m	22.187	ppbv	
60) o-Xylene	13.69	91	2954046	11.023	ppbv	96
61) Styrene	13.53	104	1963620	11.413	ppbv	95
62) Isopropylbenzene	14.67	105	4212334	10.604	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.67	83	2059277	11.410	ppbv	99
64) n-propylbenzene	15.56	120	1027012	10.746	ppbv	83
65) tert-Butylbenzene	16.74	119	3465118	10.657	ppbv	91
66) Benzyl Chloride	16.99	91	1054485	13.024	ppbv	95
67) sec-Butylbenzene	17.29	105	5046567	11.090	ppbv	97
69) p-Isopropyltoluene	17.65	119	3987118	11.015	ppbv	96
70) n-Butylbenzene	18.55	91	4537080	12.682	ppbv	98
71) 2-Chlorotoluene	15.45	91	3472272	11.563	ppbv	95
72) 4-Ethyltoluene	15.84	105	3290594	11.335	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	3091901	11.152	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	3158969	11.350	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	1539063	11.047	ppbv	97
76) 1,4-Dichlorobenzene	17.14	146	1515435	10.684	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	1488056	11.187	ppbv	97
78) Hexachloro-1,3-Butadiene	23.38	225	893752m	8.383	ppbv	
79) Naphthalene	22.19	128	1603767	11.336	ppbv	97
80) Naphthalene, 2-methyl-	24.98	142	629114	19.887	ppbv	89
81) 1,2,4-Trichlorobenzene	21.93	180	902230	9.546	ppbv #	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

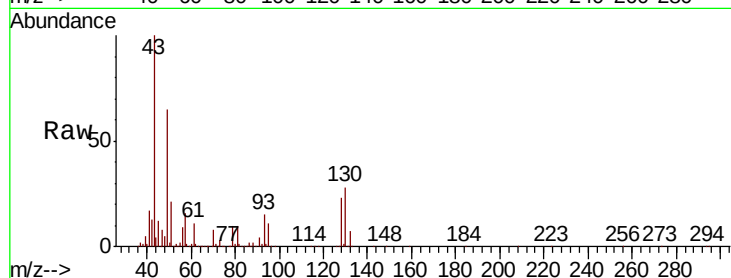
Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tot Ion: 49 Resp: 1246972

Ion	Ratio	Lower	Upper
49	100		
128	36.2	21.1	63.1
130	46.2	27.1	81.3



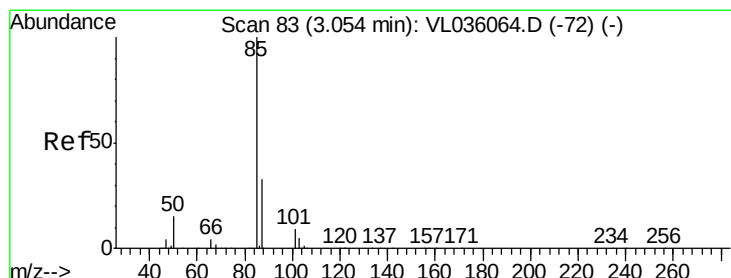
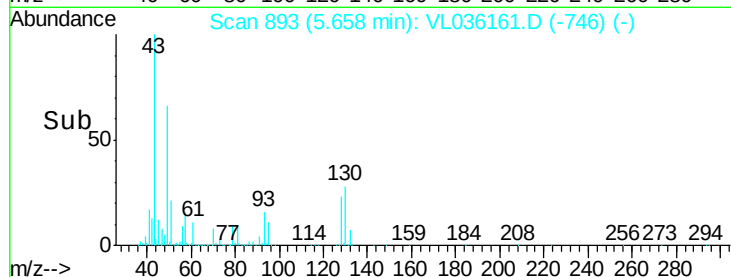
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 8.845 ppbv

RT: 3.04 min Scan# 78

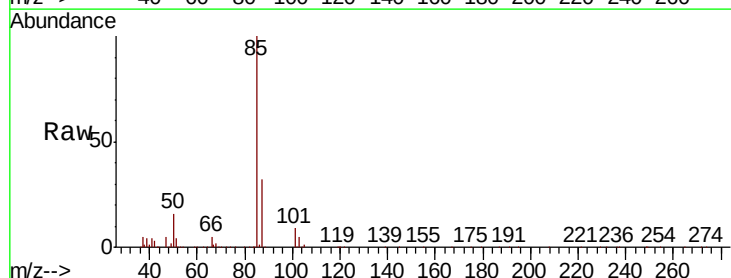
Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 85 Resp: 1285354

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.5	39.7

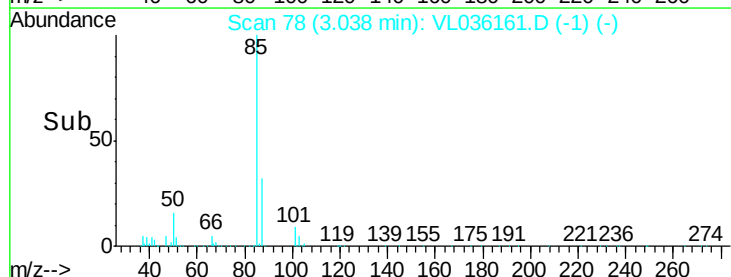


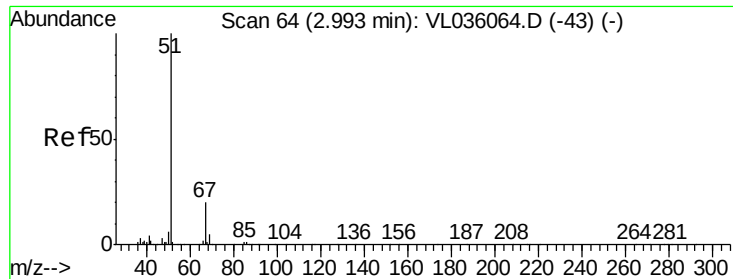
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 11.003 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.02 min

Lab File: VL036161.D

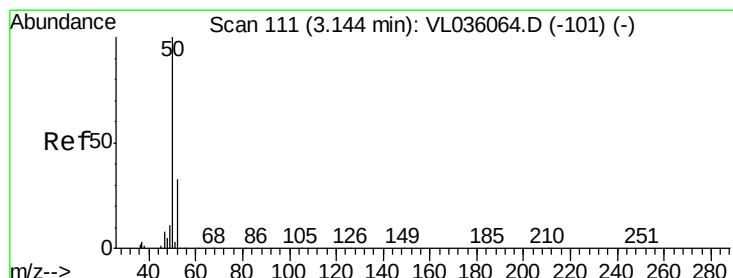
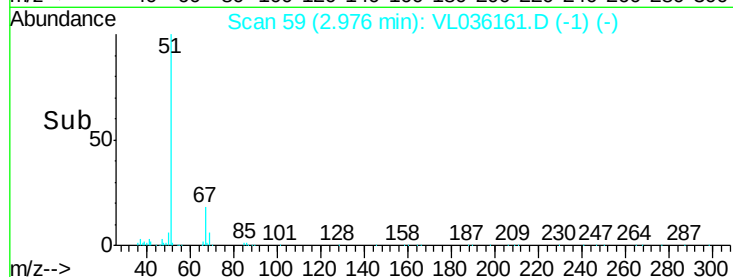
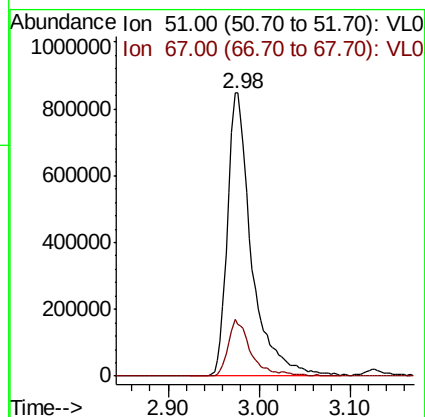
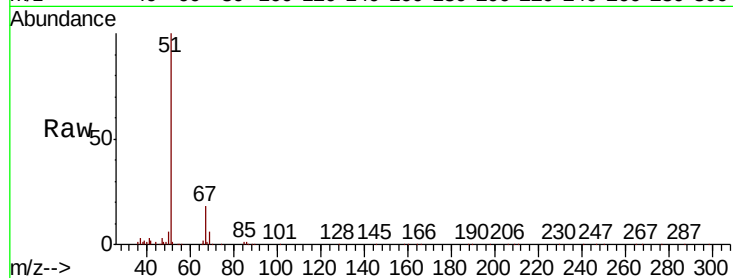
Acq: 11 Dec 2020 12:36

Tot Ion: 51 Resp: 1565412

Ion Ratio Lower Upper

51 100

67 19.1 14.3 21.5



#4

Chloromethane

Concen: 10.639 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036161.D

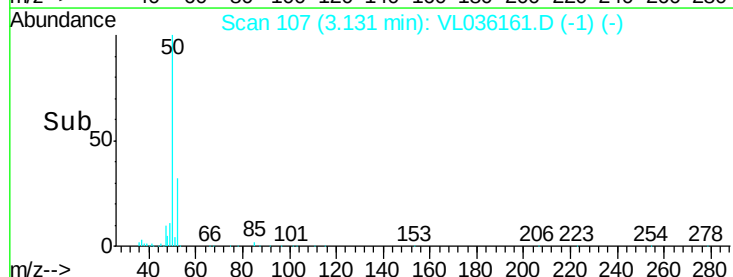
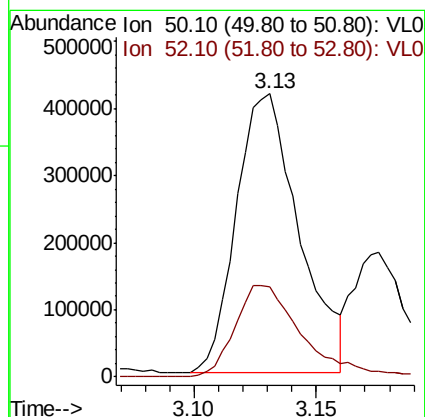
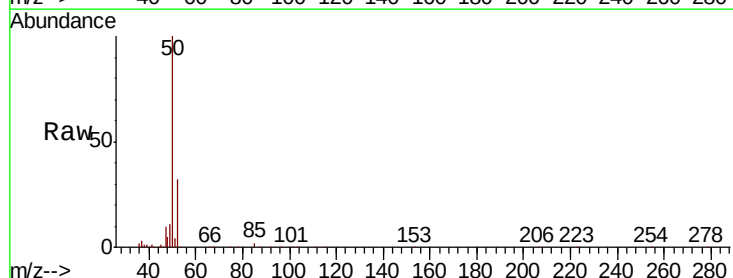
Acq: 11 Dec 2020 12:36

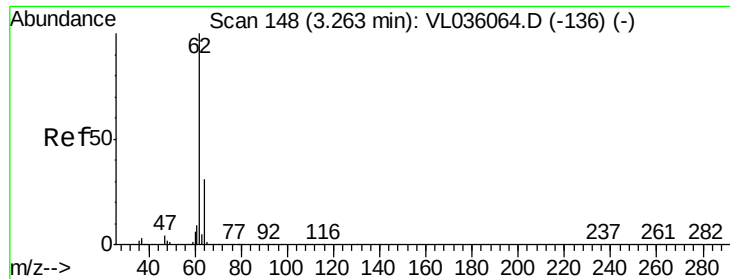
Tgt Ion: 50 Resp: 743140

Ion Ratio Lower Upper

50 100

52 32.0 26.1 39.1





#5

Vinyl Chloride

Concen: 9.362 ppbv

RT: 3.25 min Scan# 143

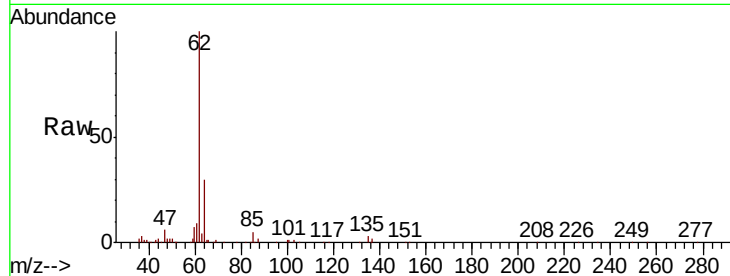
Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

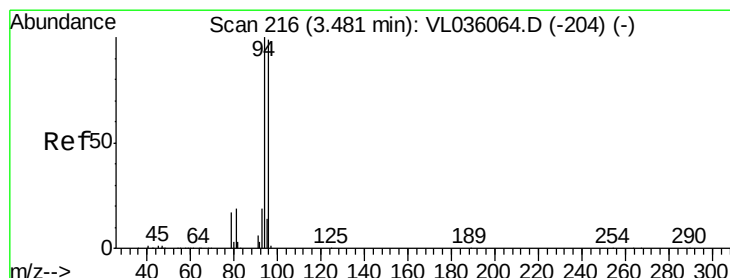
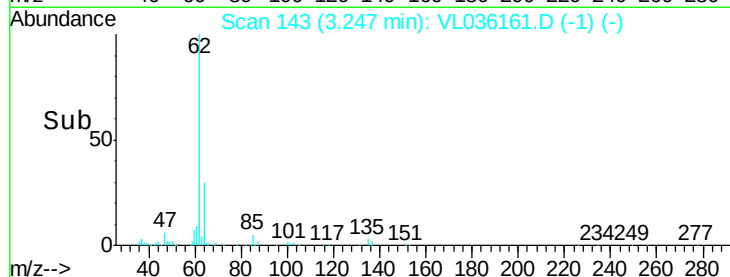
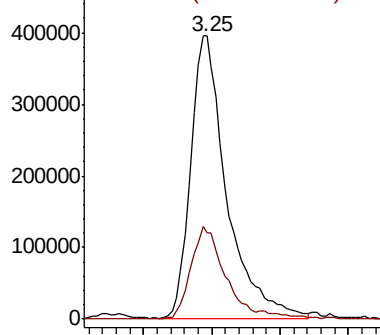
Tot Ion: 62 Resp: 727485

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.5	36.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.090 ppbv

RT: 3.46 min Scan# 210

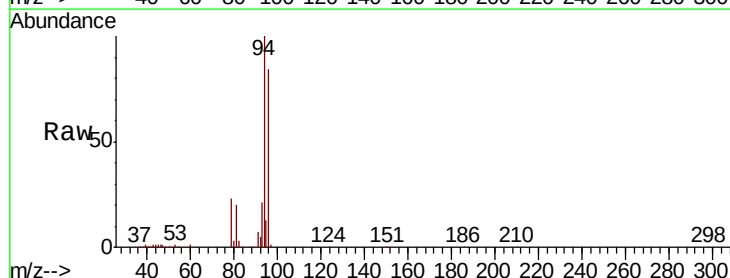
Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

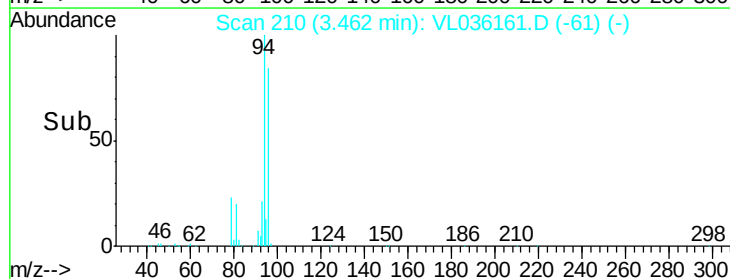
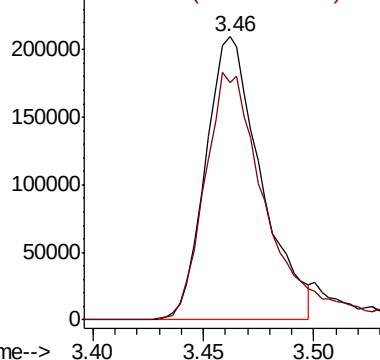
Tgt Ion: 94 Resp: 364488

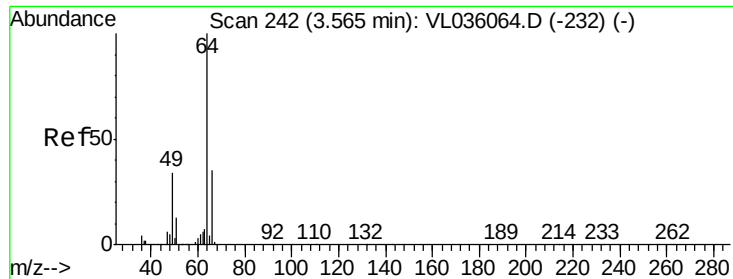
Ion	Ratio	Lower	Upper
94	100		
96	83.4	79.4	119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.672 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL036161.D

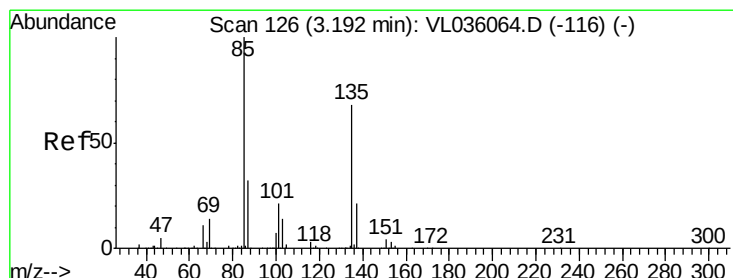
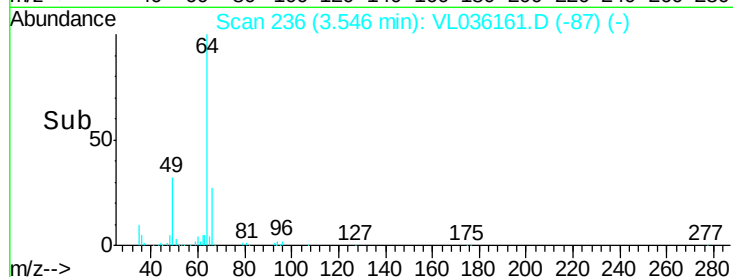
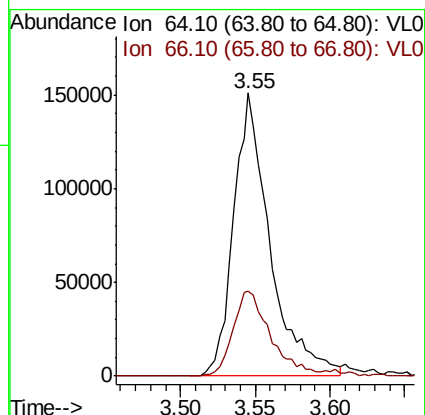
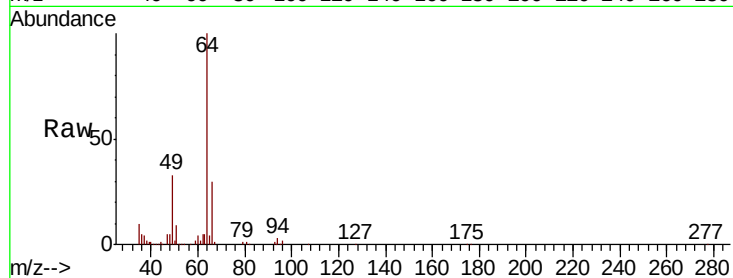
Acq: 11 Dec 2020 12:36

Tot Ion: 64 Resp: 256019

Ion Ratio Lower Upper

64 100

66 30.1 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 10.320 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.02 min

Lab File: VL036161.D

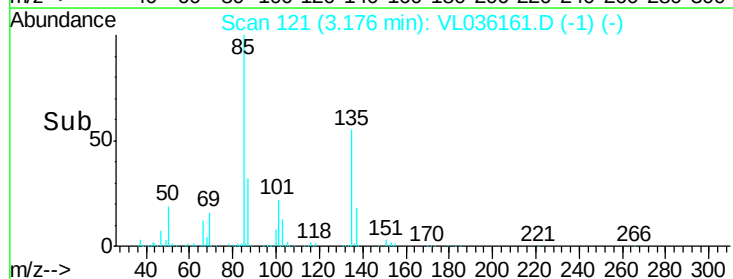
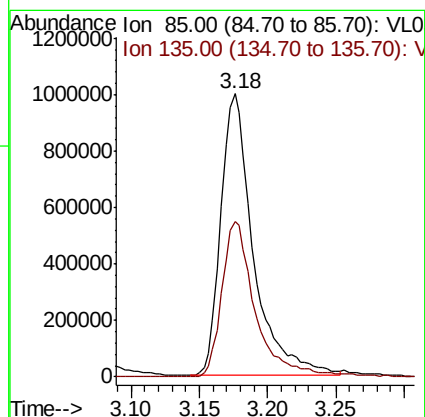
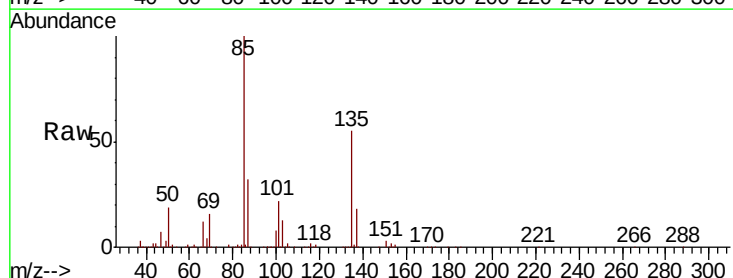
Acq: 11 Dec 2020 12:36

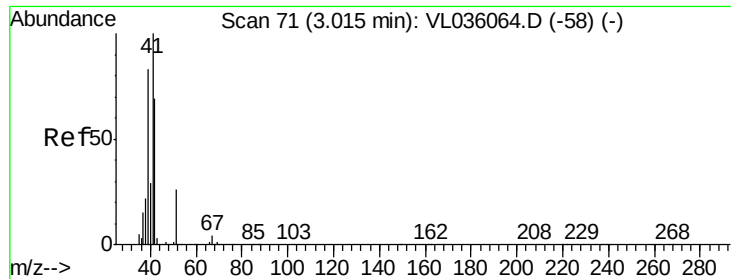
Tgt Ion: 85 Resp: 1666698

Ion Ratio Lower Upper

85 100

135 57.3 53.8 80.8





#9

Propene

Concen: 9.742 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL036161.D

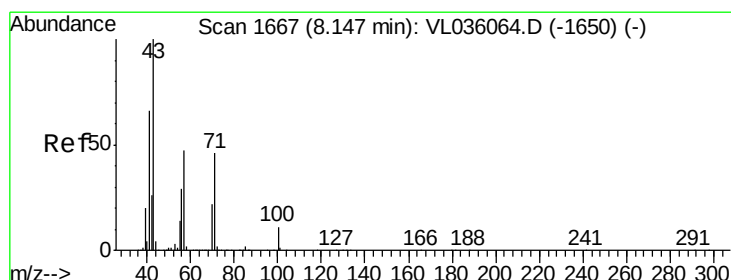
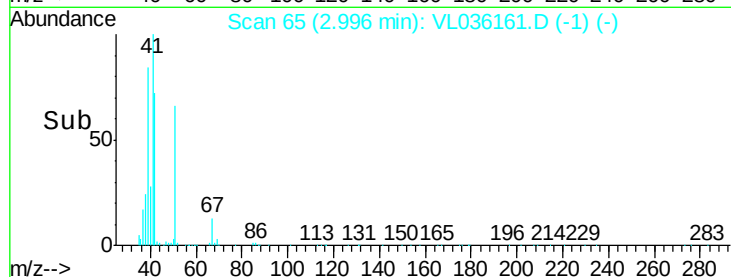
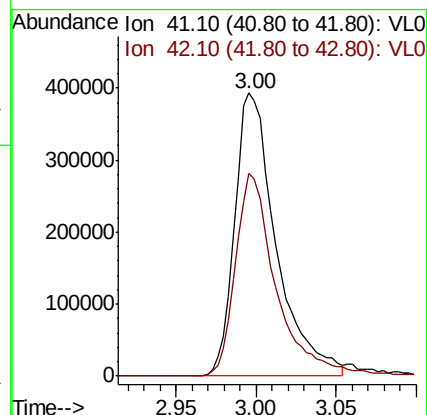
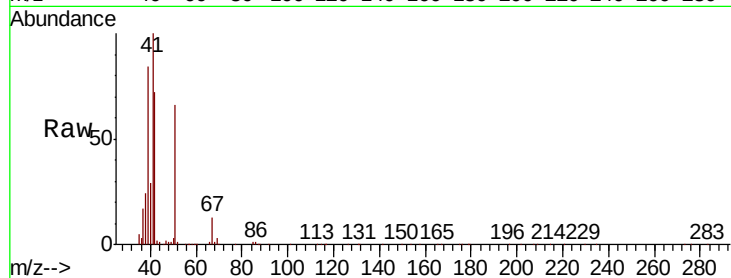
Acq: 11 Dec 2020 12:36

Tot Ion: 41 Resp: 694302

Ion Ratio Lower Upper

41 100

42 70.8 57.0 85.6



#10

Heptane

Concen: 9.795 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.03 min

Lab File: VL036161.D

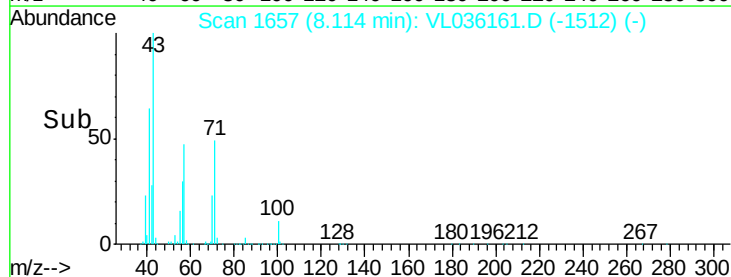
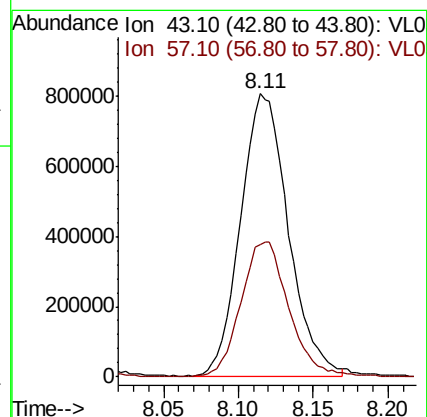
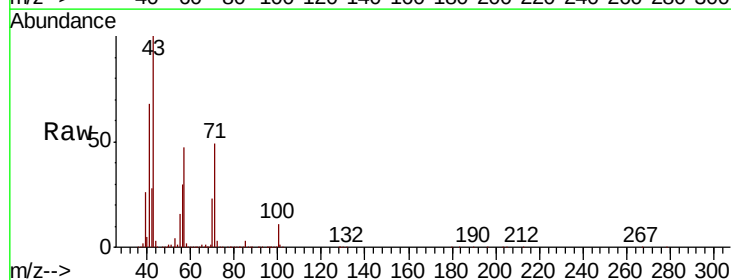
Acq: 11 Dec 2020 12:36

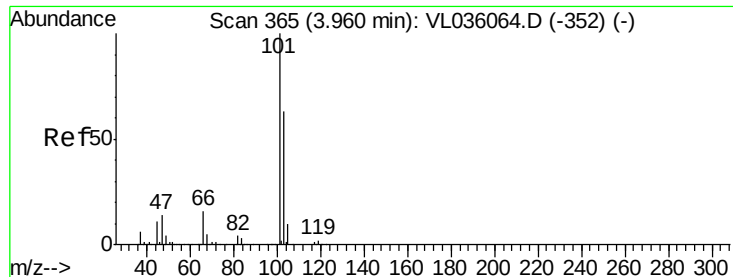
Tgt Ion: 43 Resp: 1782866

Ion Ratio Lower Upper

43 100

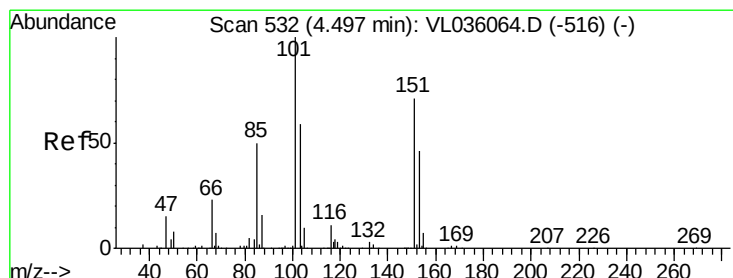
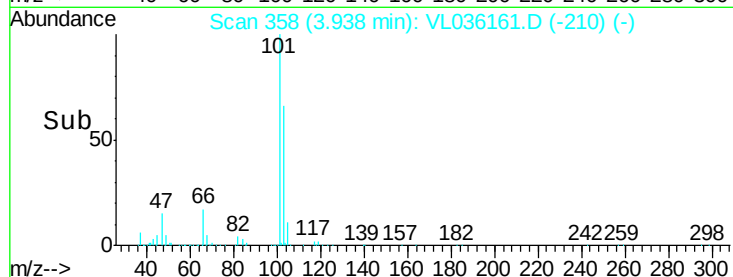
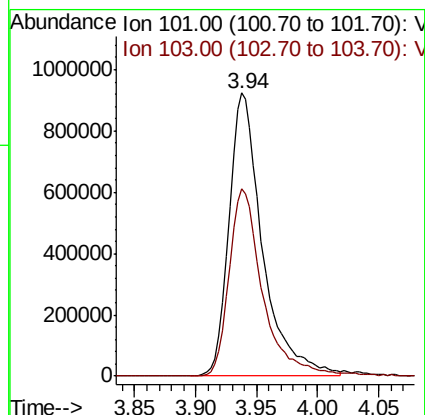
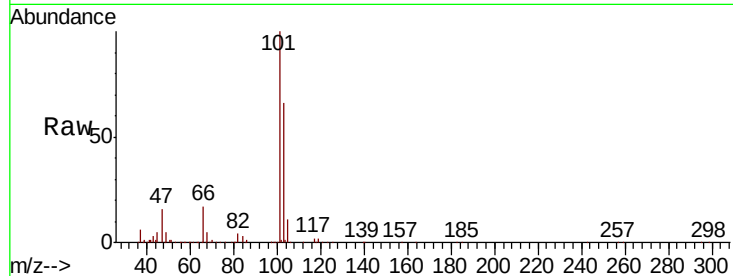
57 48.3 37.9 56.9





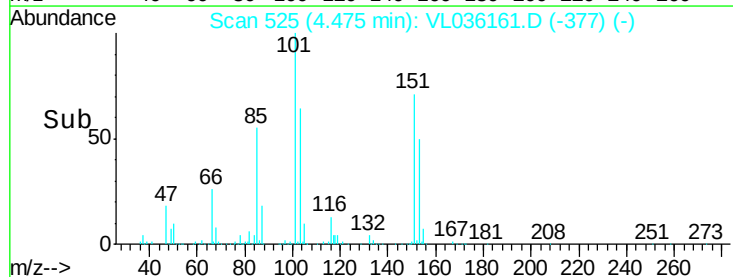
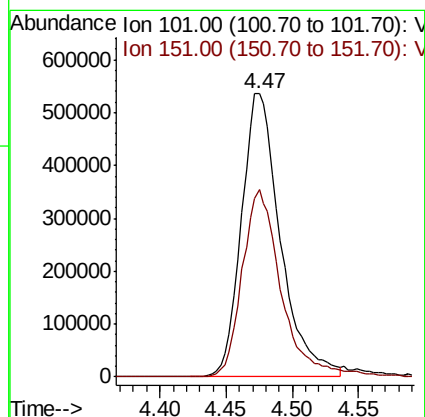
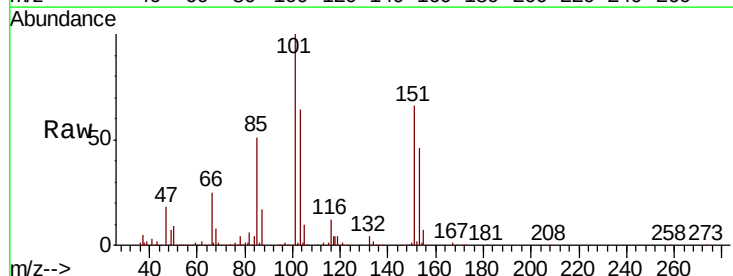
#11
 Trichlorofluoromethane
 Concen: 10.398 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

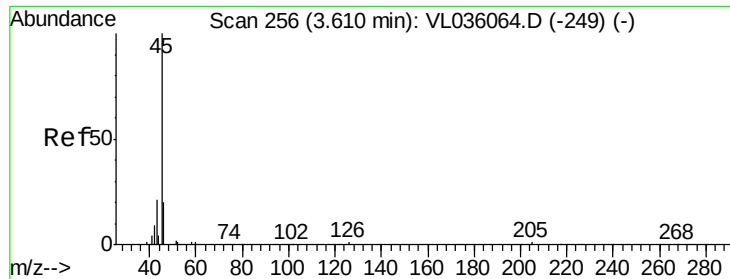
Tot Ion:101 Resp: 1776646
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.452 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.02 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion:101 Resp: 1096775
 Ion Ratio Lower Upper
 101 100
 151 66.9 59.3 88.9





#13

Ethanol

Concen: 9.237 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036161.D

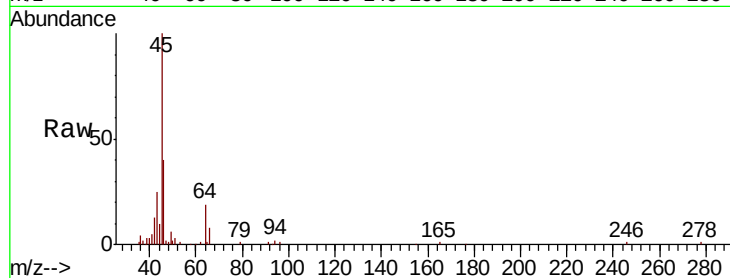
Acq: 11 Dec 2020 12:36

Tot Ion: 45 Resp: 90757

Ion Ratio Lower Upper

45 100

46 47.0 19.0 75.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.60

40000

30000

20000

10000

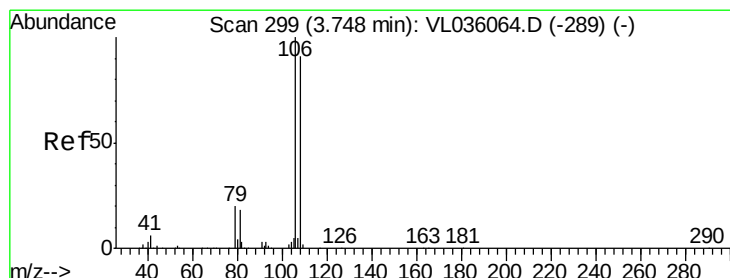
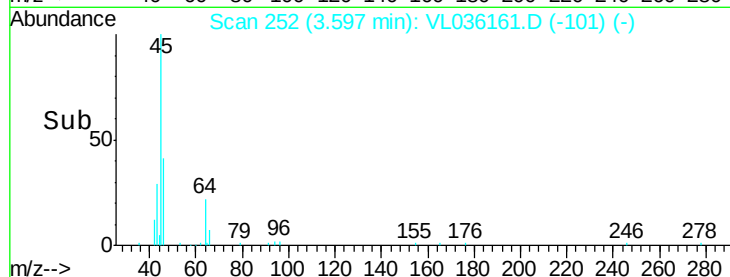
0

Time-->

3.55

3.60

3.65



#14

Bromoethene

Concen: 9.635 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

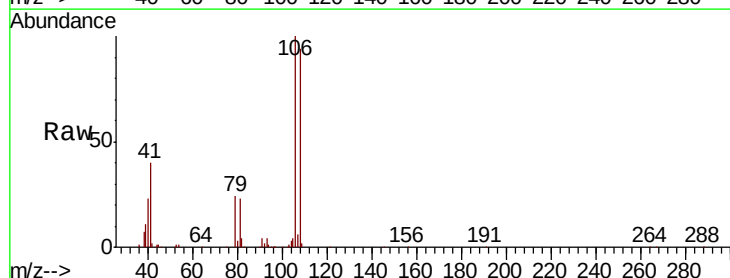
Tgt Ion: 108 Resp: 458634

Ion Ratio Lower Upper

108 100

106 108.9 91.0 136.4

79 25.6 19.3 28.9



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

300000

200000

100000

0

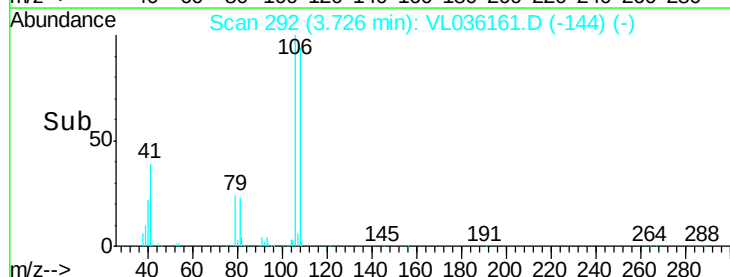
Time-->

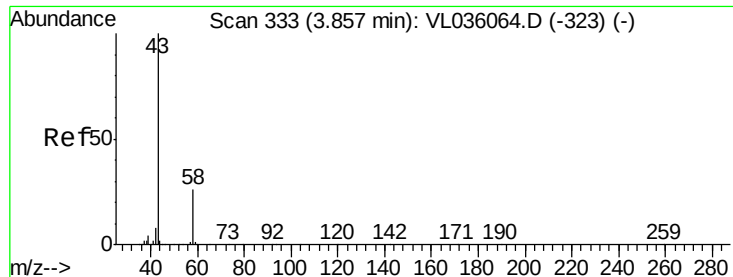
3.65

3.70

3.75

3.80





#15

Acetone

Concen: 10.263 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL036161.D

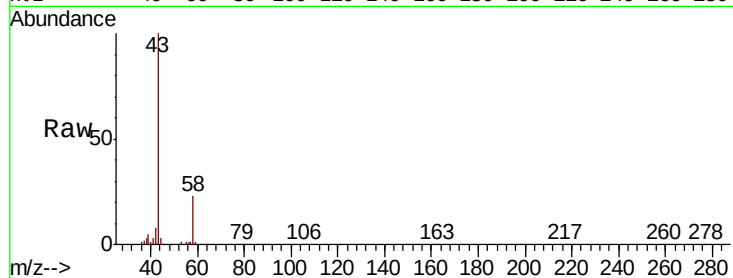
Acq: 11 Dec 2020 12:36

Tot Ion: 43 Resp: 1538118

Ion Ratio Lower Upper

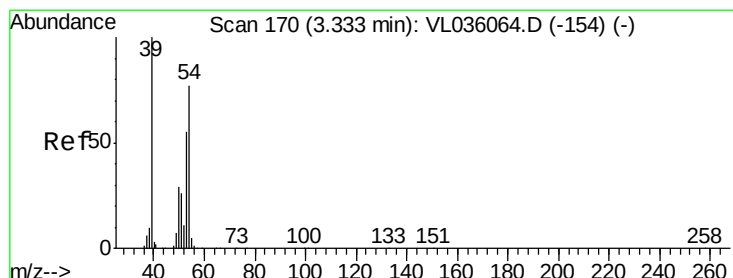
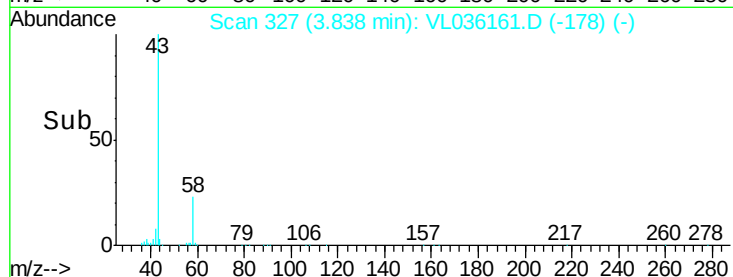
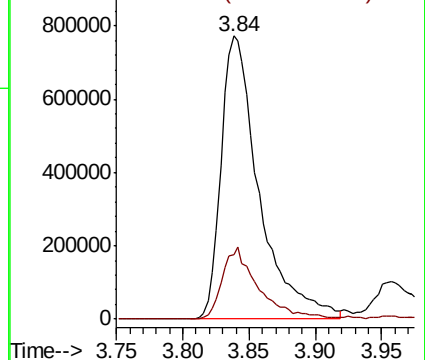
43 100

58 24.4 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.503 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL036161.D

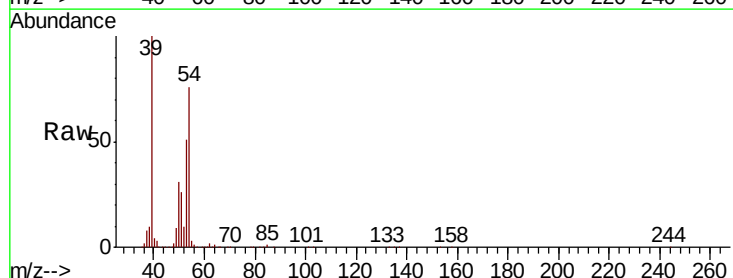
Acq: 11 Dec 2020 12:36

Tgt Ion: 39 Resp: 717332

Ion Ratio Lower Upper

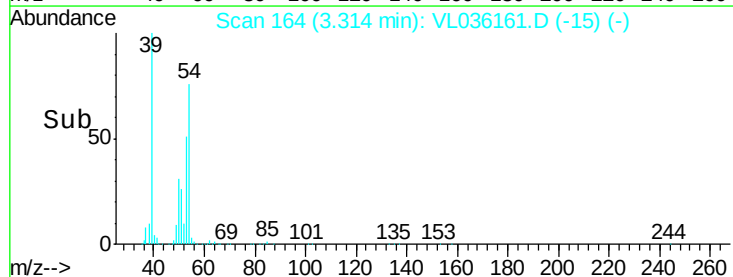
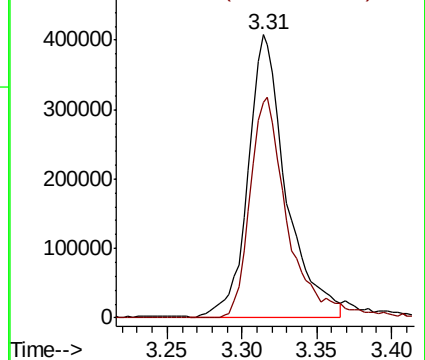
39 100

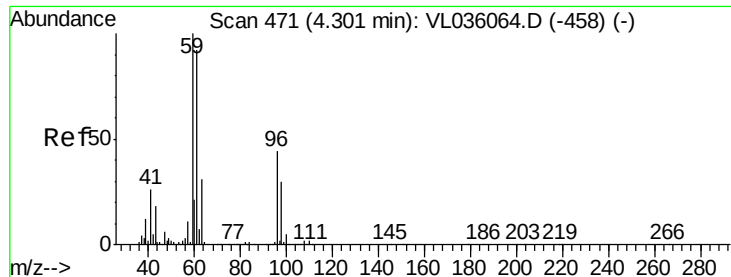
54 79.3 62.1 93.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 7.299 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL036161.D

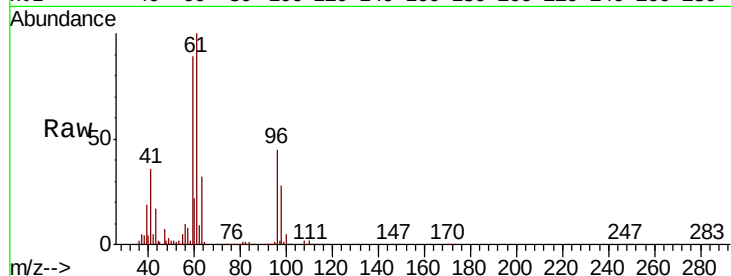
Acq: 11 Dec 2020 12:36

Tot Ion: 59 Resp: 1059610

Ion Ratio Lower Upper

59 100

57 11.4 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

500000

400000

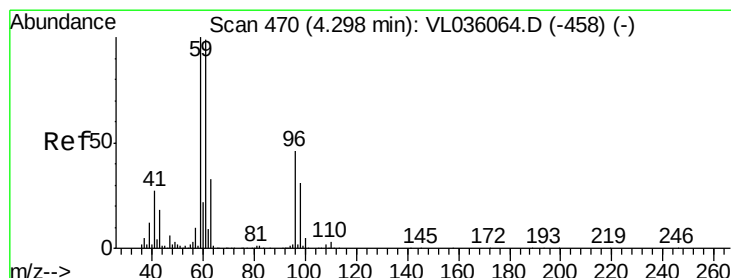
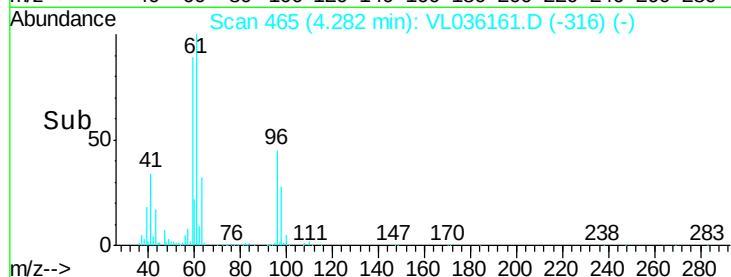
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.591 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

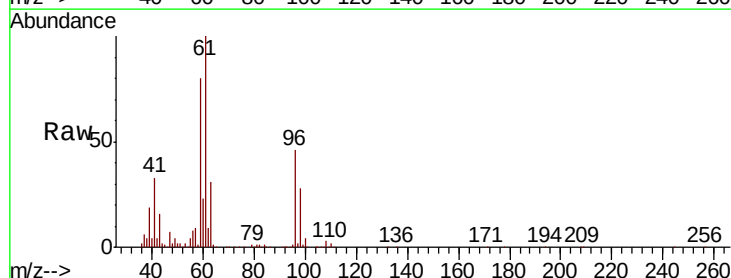
Tgt Ion: 96 Resp: 494107

Ion Ratio Lower Upper

96 100

61 215.2 171.4 257.2

98 59.1 54.2 81.2



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

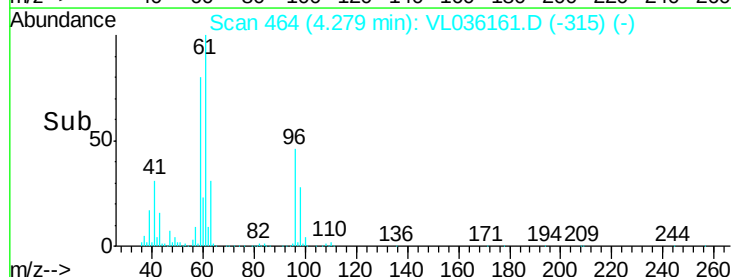
600000

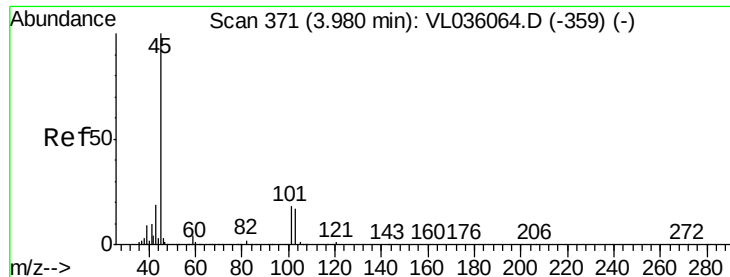
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 7.947 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL036161.D

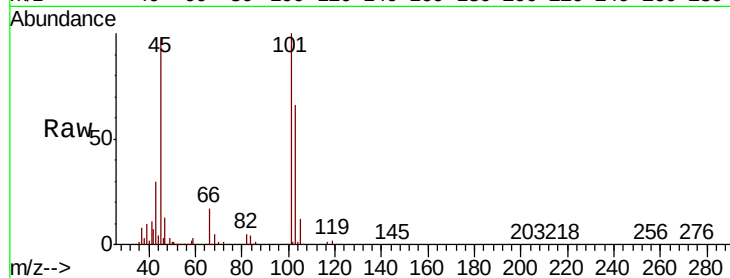
Acq: 11 Dec 2020 12:36

Tot Ion: 45 Resp: 727912

Ion Ratio Lower Upper

45 100

58 3.2 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

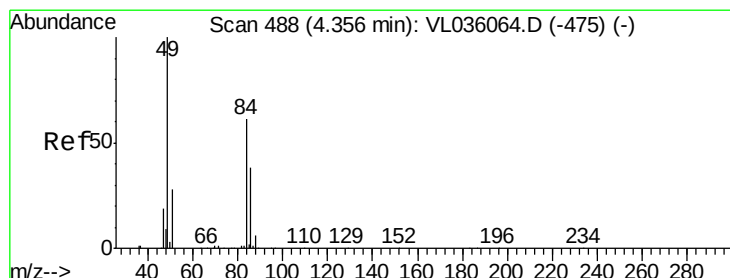
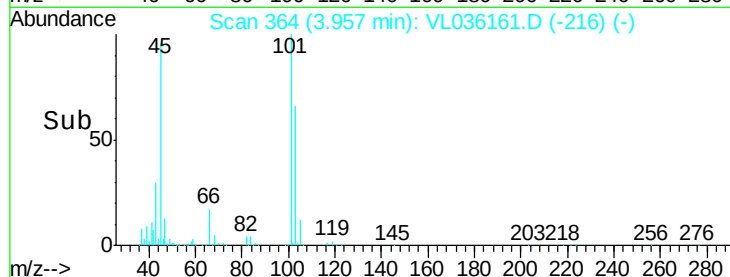
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 6.854 ppbv m

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 84 Resp: 420956

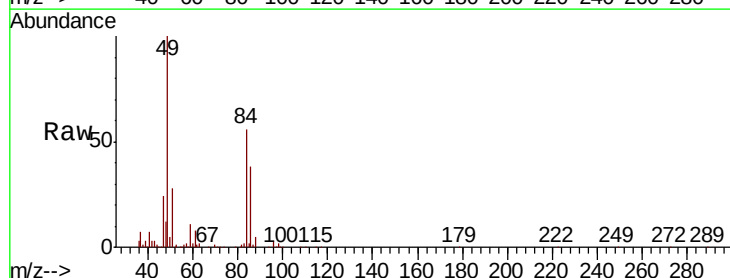
Ion Ratio Lower Upper

84 100

49 178.1 133.0 199.4

51 50.6 38.9 58.3

86 68.3 48.8 73.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

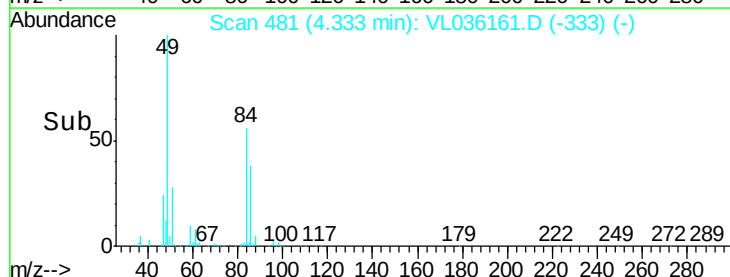
300000

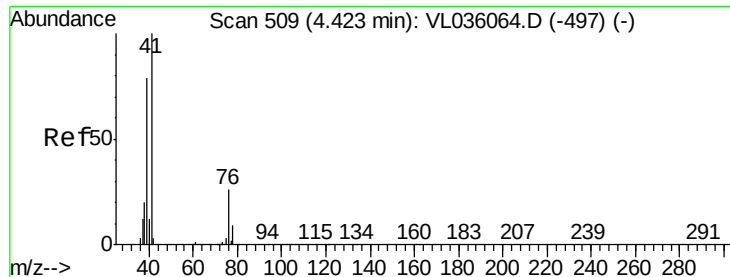
200000

100000

0

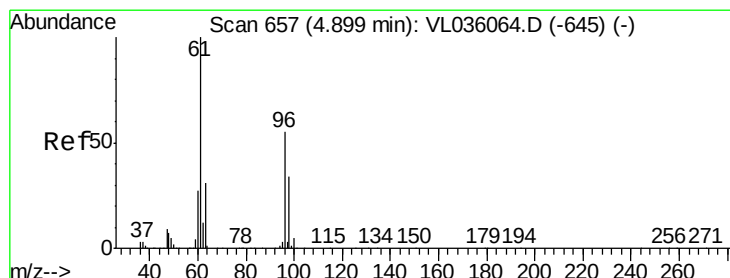
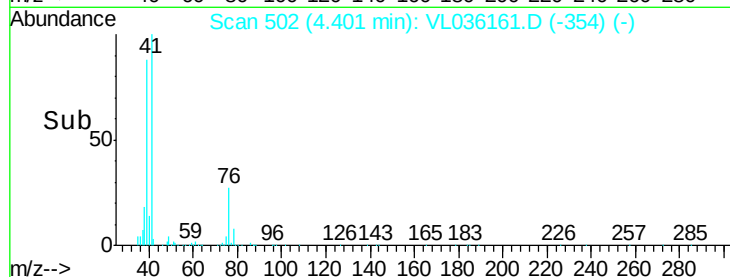
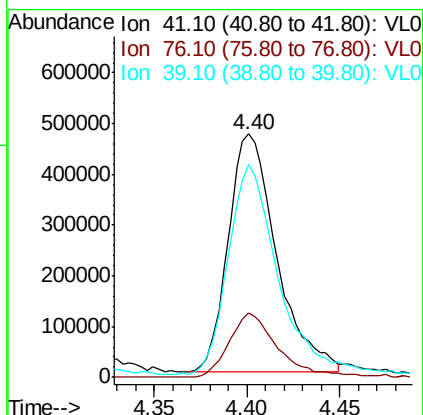
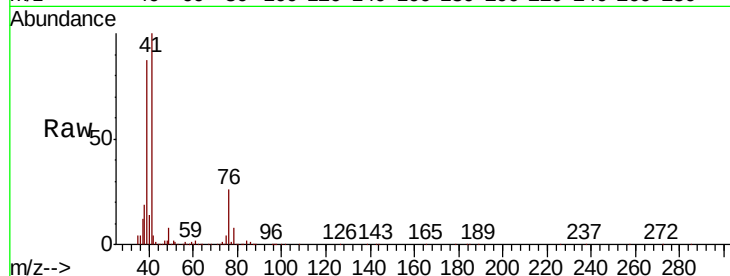
Time-->





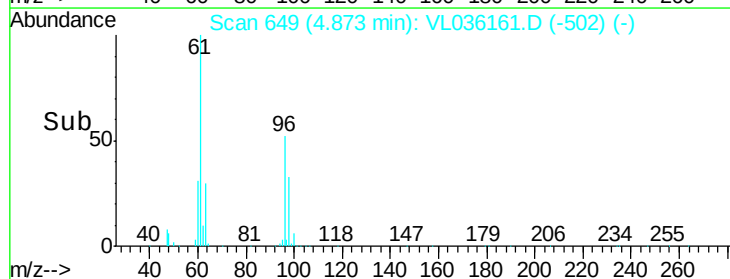
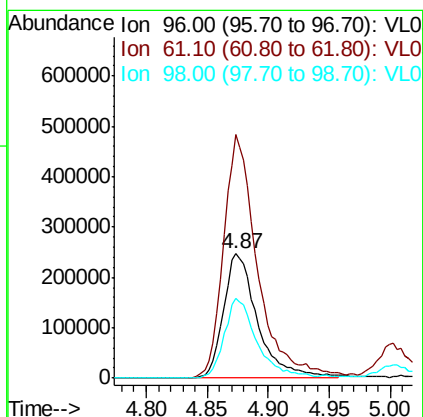
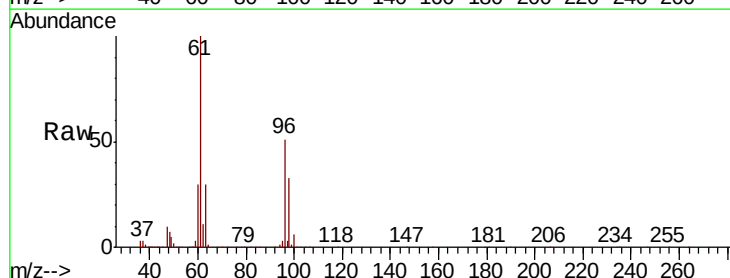
#21
Allvl Chloride
Concen: 8.583 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.02 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

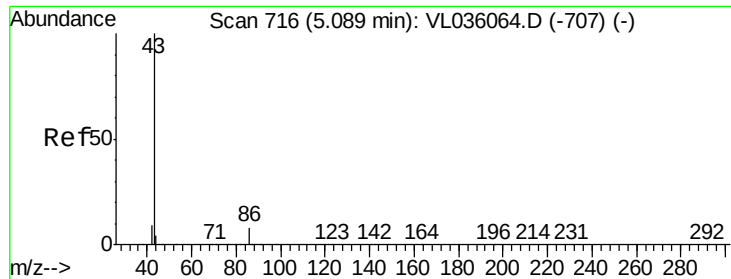
Tot Ion	Ratio	Lower	Upper
41	100		
76	27.5	21.0	31.4
39	93.1	66.0	99.0



#22
trans-1,2-Dichloroethene
Concen: 9.414 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.8	145.7	218.5
98	64.1	49.2	73.8





#23

Vinyl Acetate

Concen: 9.758 ppbv

RT: 5.07 min Scan# 709

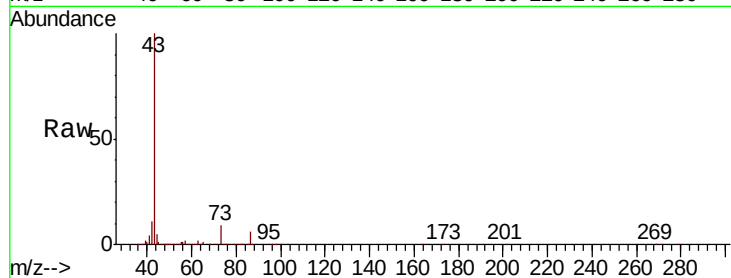
Delta R.T. -0.02 min

Lab File: VL036161.D

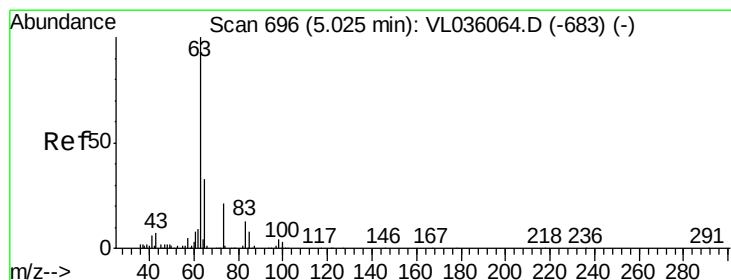
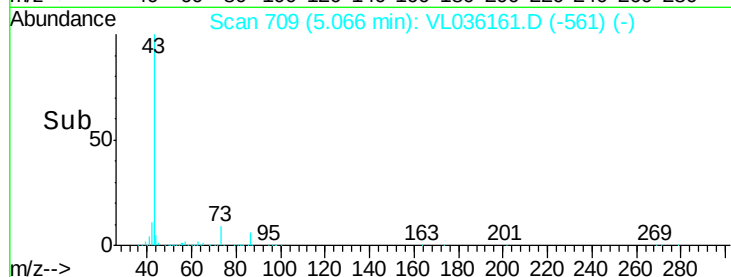
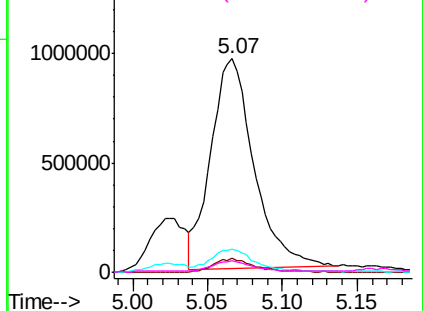
Acq: 11 Dec 2020 12:36

Tot Ion: 43 Resp: 1947034

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.0	7.4
42	10.8	7.8	11.6
44	5.1	3.2	4.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 1500000 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.526 ppbv

RT: 5.00 min Scan# 689

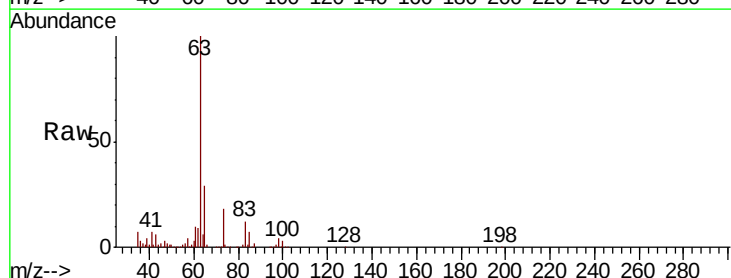
Delta R.T. -0.02 min

Lab File: VL036161.D

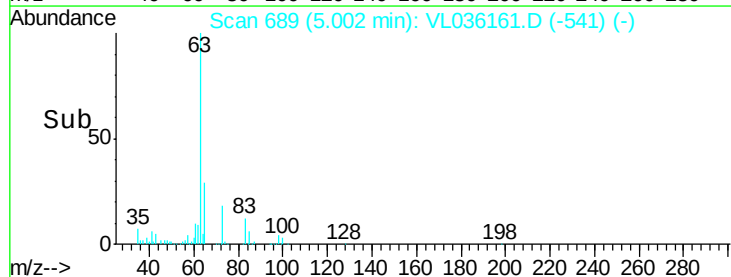
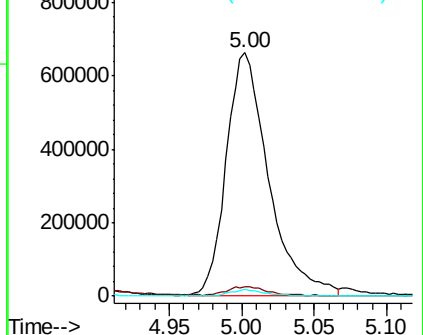
Acq: 11 Dec 2020 12:36

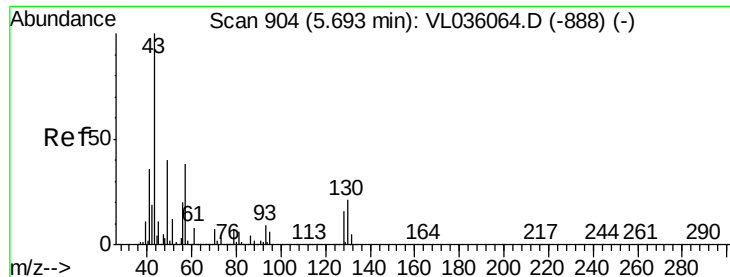
Tgt Ion: 63 Resp: 1336865

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.2	6.6
100	3.0	1.5	4.4



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





#25

Ethyl Acetate

Concen: 10.071 ppbv

RT: 5.67 min Scan# 896

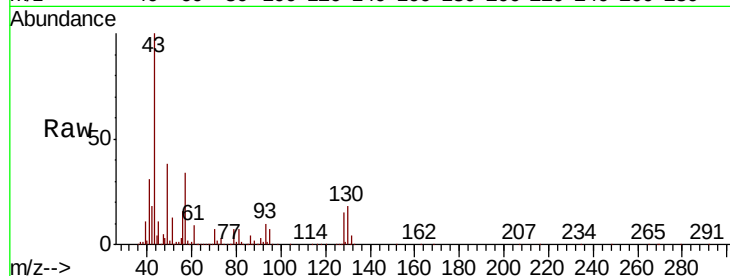
Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tot Ion: 43 Resp: 3015398

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.3	7.4	11.2
70	6.6	5.4	8.0



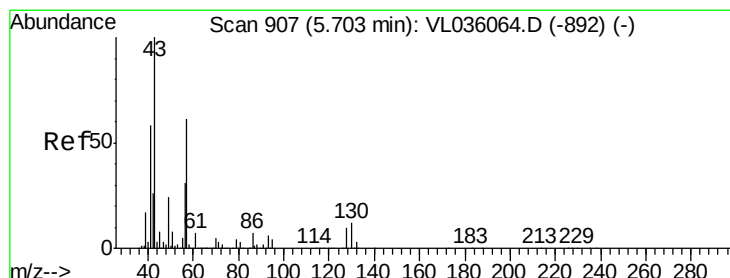
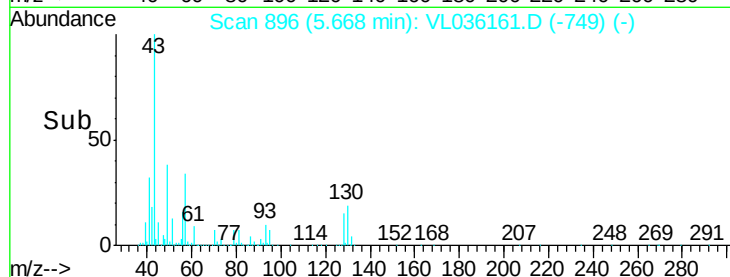
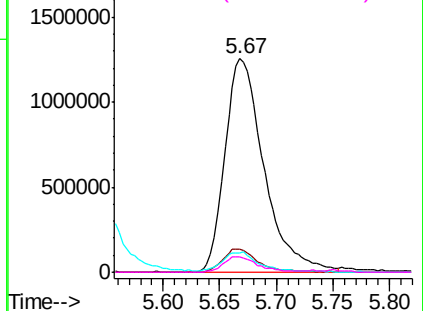
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.169 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 57 Resp: 1235438

Ion	Ratio	Lower	Upper
57	100		
41	103.5	82.9	124.3
43	248.4	199.9	299.9
56	52.7	43.1	64.7

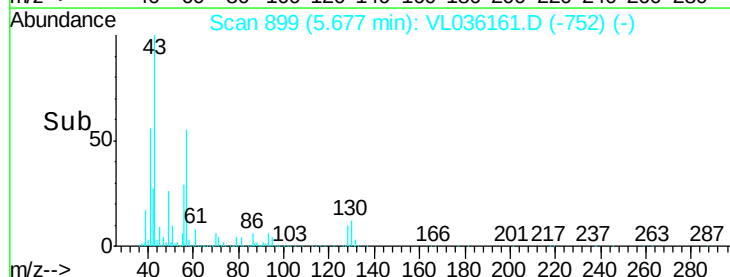
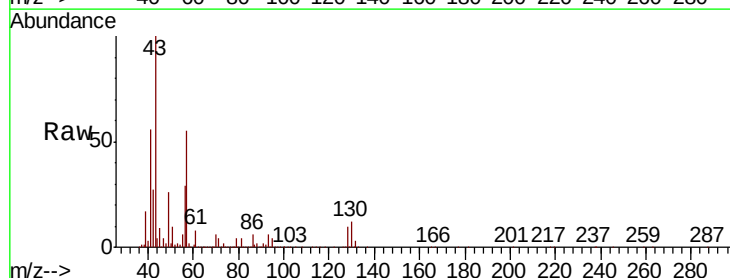
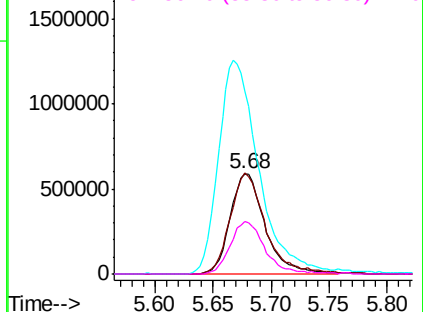
Abundance

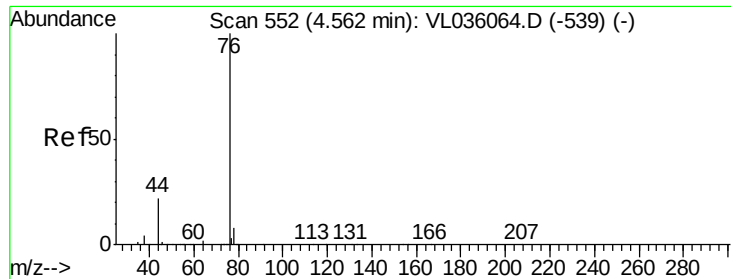
Ion 57.10 (56.80 to 57.80): VL0

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: 8.882 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

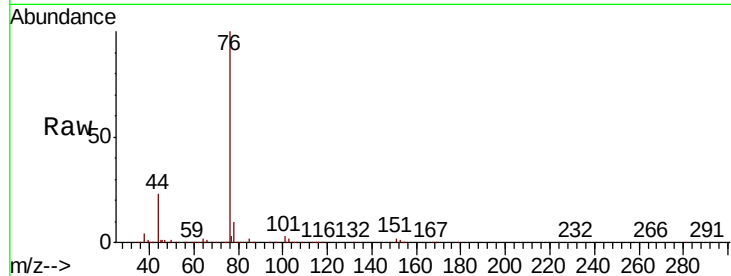
Tot Ion: 76 Resp: 1189498

Ion	Ratio	Lower	Upper
76	100		
44	25.9	17.9	26.9
78	9.6	7.8	11.8

76 100

44 25.9 17.9 26.9

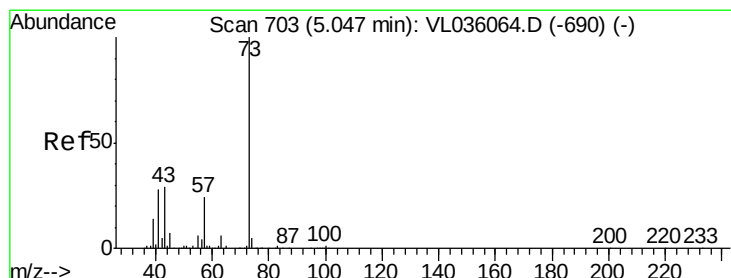
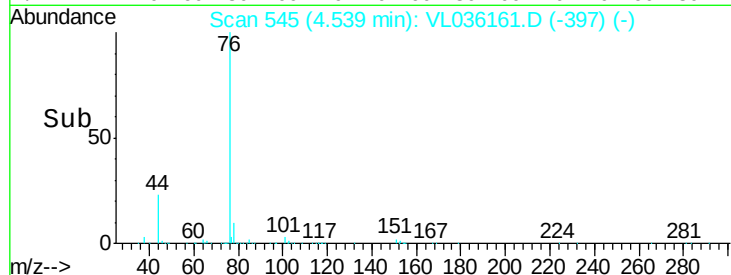
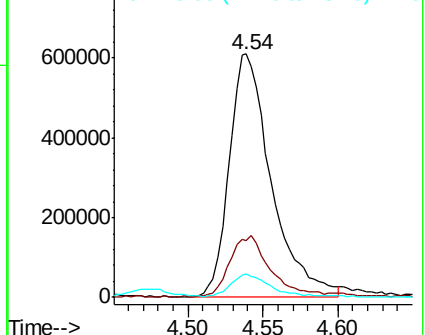
78 9.6 7.8 11.8



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: 8.796 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL036161.D

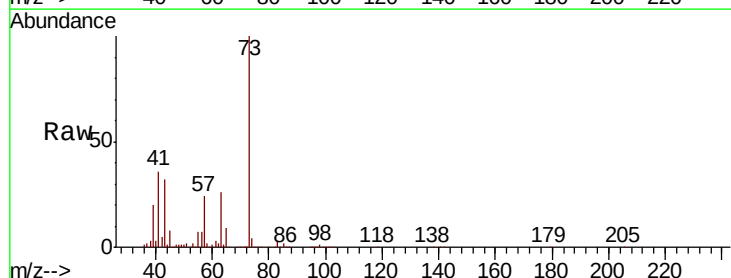
Acq: 11 Dec 2020 12:36

Tgt Ion: 73 Resp: 1685056

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.2	28.8

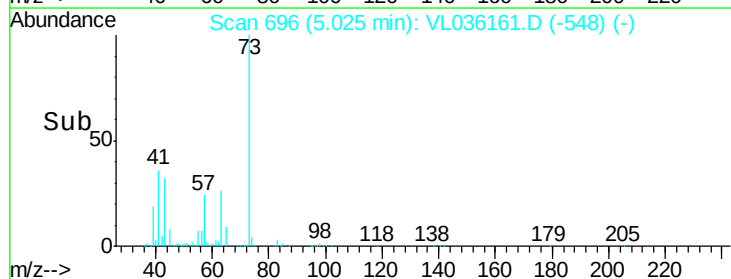
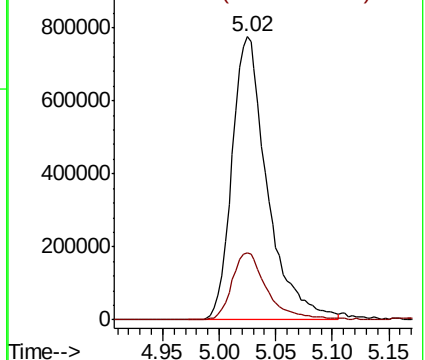
73 100

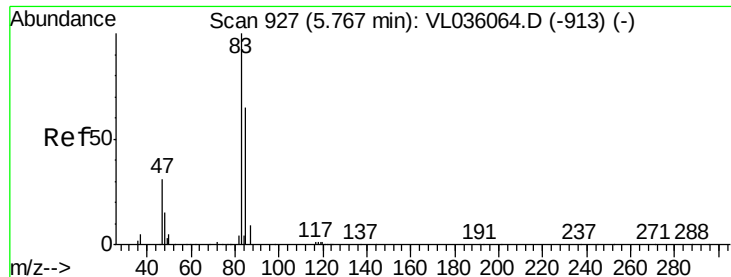
57 23.8 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.659 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.02 min

Lab File: VL036161.D

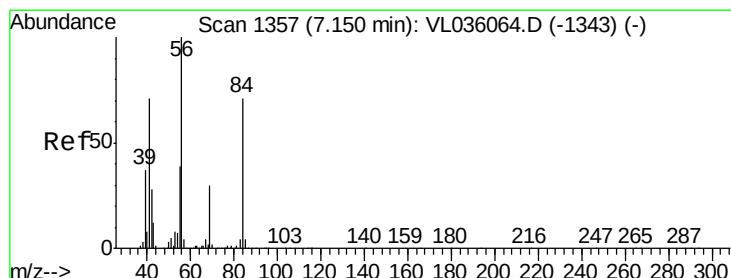
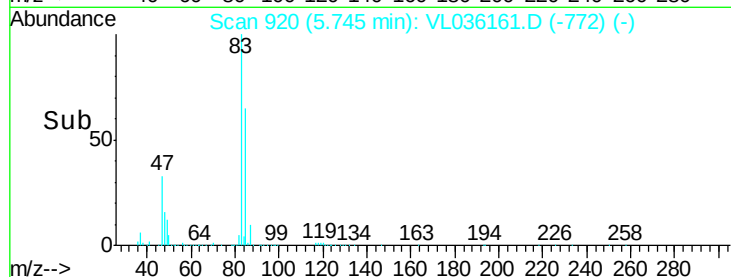
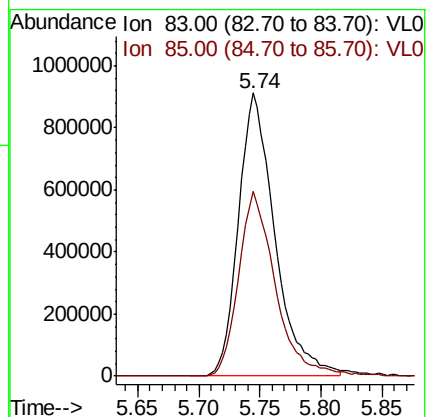
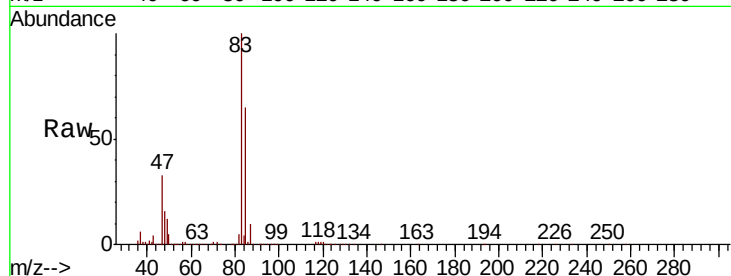
Acq: 11 Dec 2020 12:36

Tot Ion: 83 Resp: 1886024

Ion Ratio Lower Upper

83 100

85 65.2 51.8 77.6



#30

Cyclohexane

Concen: 9.782 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

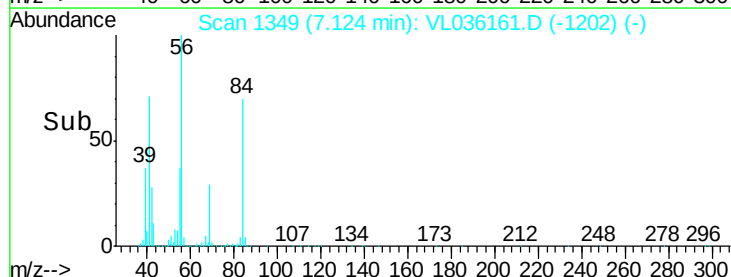
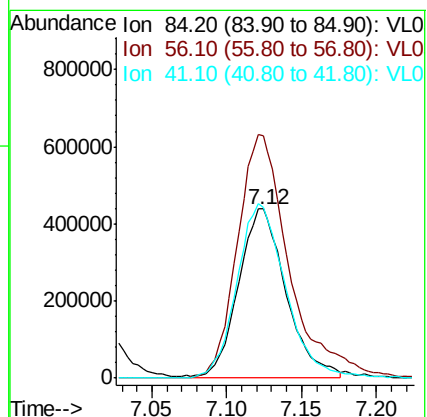
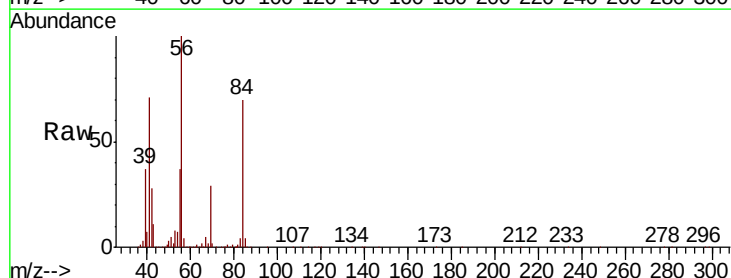
Tgt Ion: 84 Resp: 968289

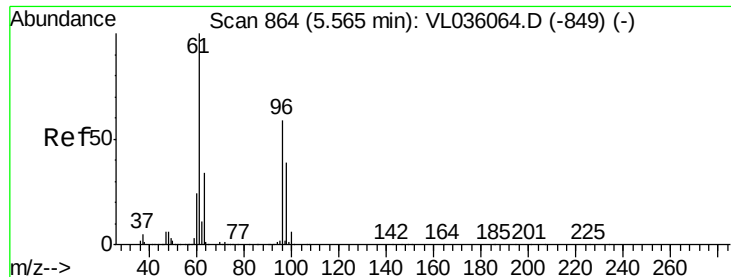
Ion Ratio Lower Upper

84 100

56 158.0 128.0 192.0

41 106.3 81.3 121.9

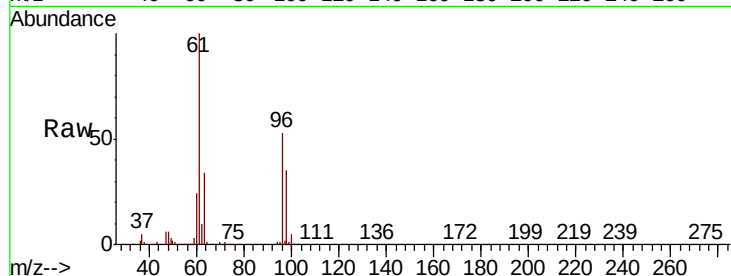




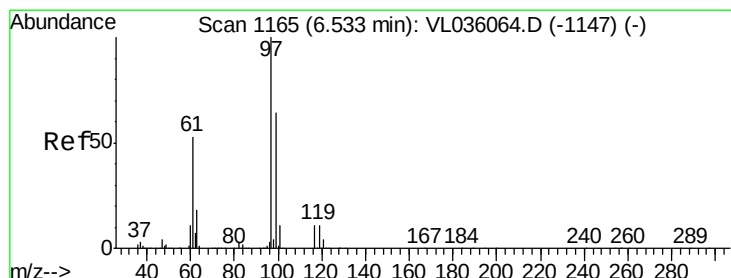
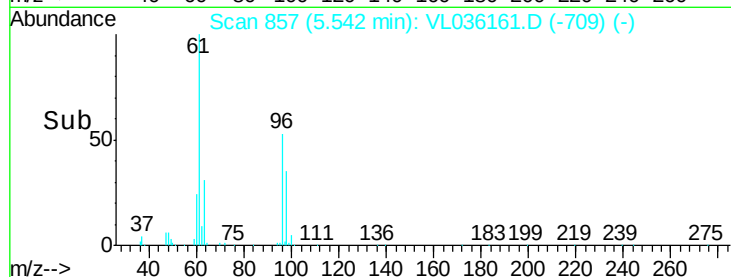
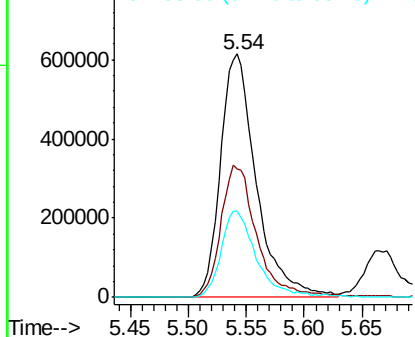
#31

cis-1,2-Dichloroethene
 Concen: 10.672 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tot Ion	61	Resp	1307166
Ion	Ratio	Lower	Upper
61	100		
96	52.5	47.3	70.9
98	35.0	31.4	47.0



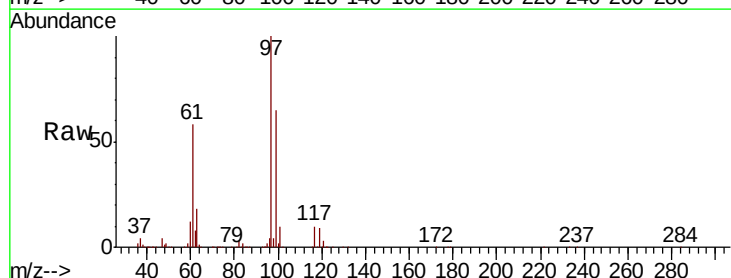
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



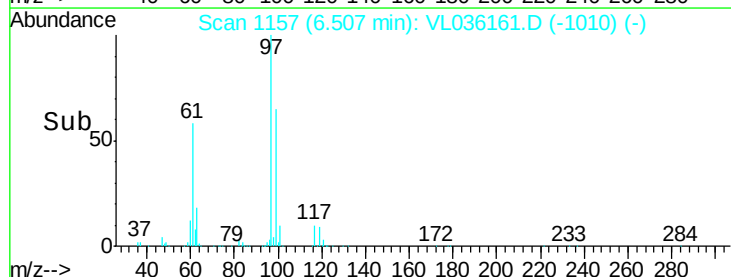
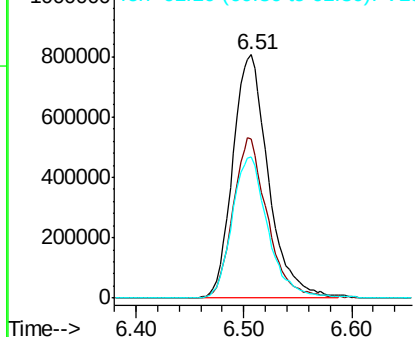
#32

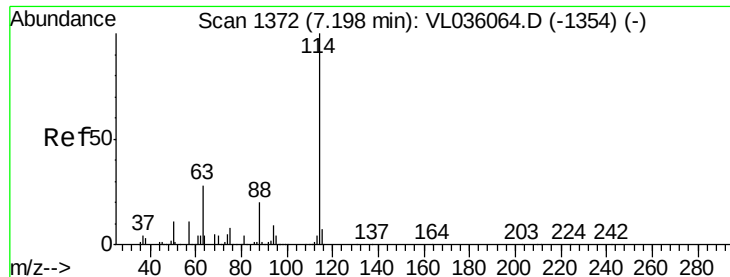
1,1,1-Trichloroethane
 Concen: 10.124 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion	97	Resp	1848533
Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.4	78.6
61	58.8	43.4	65.0



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: 7.17 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

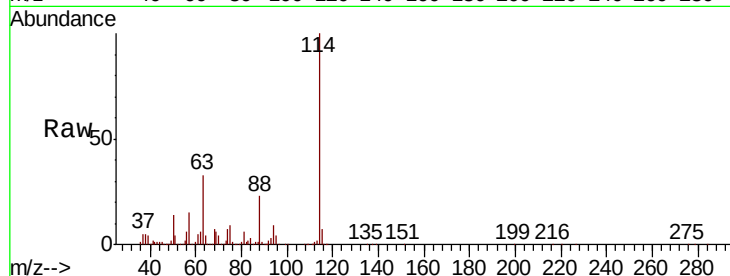
Tot Ion:114 Resp: 2568980

Ion Ratio Lower Upper

114 100

63 33.2 23.6 35.4

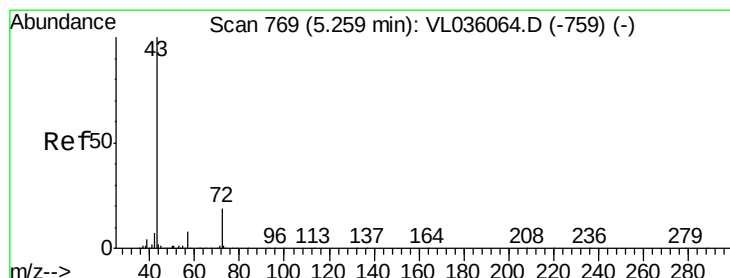
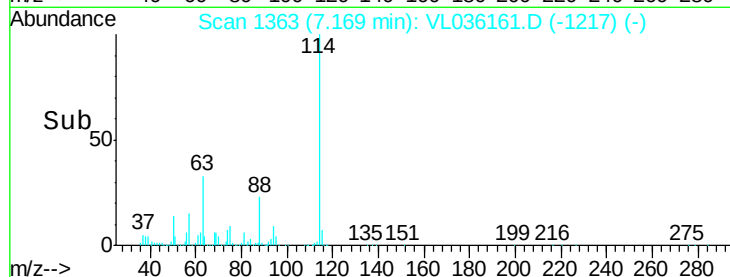
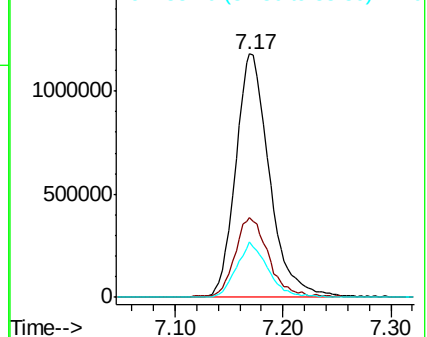
88 21.5 15.8 23.6



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: 10.726 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.02 min

Lab File: VL036161.D

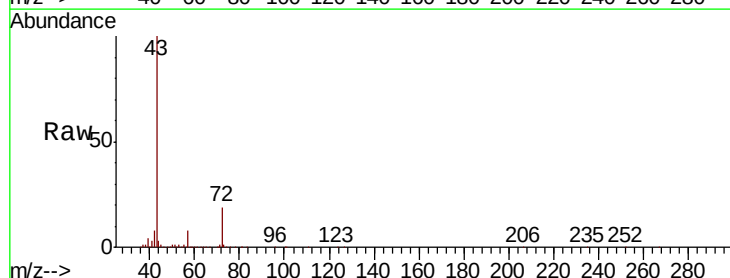
Acq: 11 Dec 2020 12:36

Tgt Ion: 43 Resp: 1827699

Ion Ratio Lower Upper

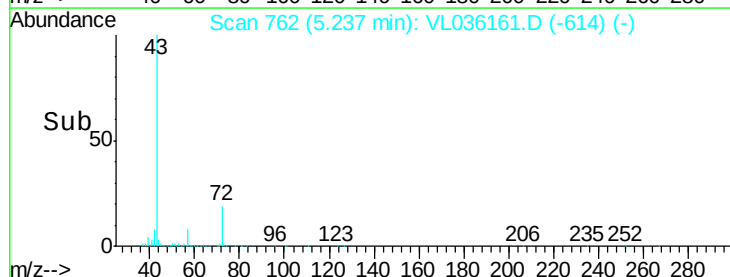
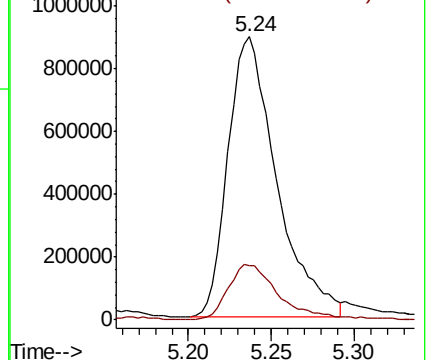
43 100

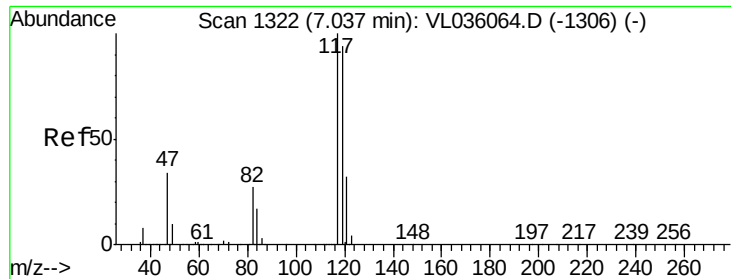
72 21.0 16.5 24.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.769 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

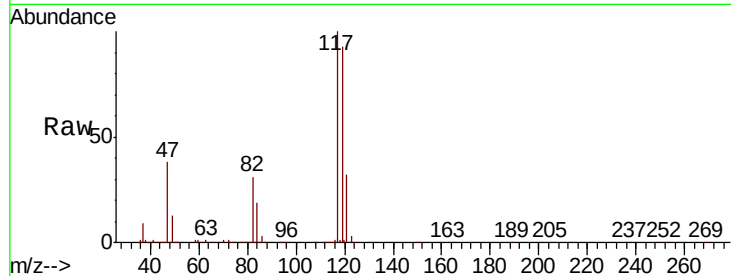
Tot Ion: 117 Resp: 1763120

Ion Ratio Lower Upper

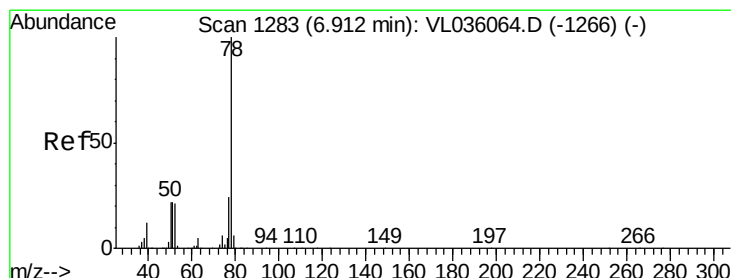
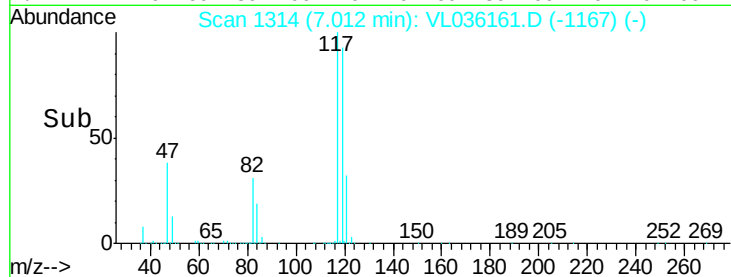
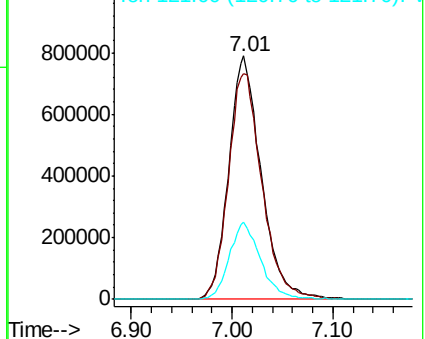
117 100

119 92.5 75.1 112.7

121 31.7 25.6 38.4



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: 11.246 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

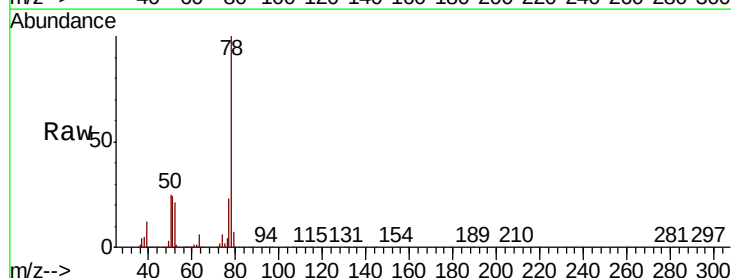
Tgt Ion: 78 Resp: 2448345

Ion Ratio Lower Upper

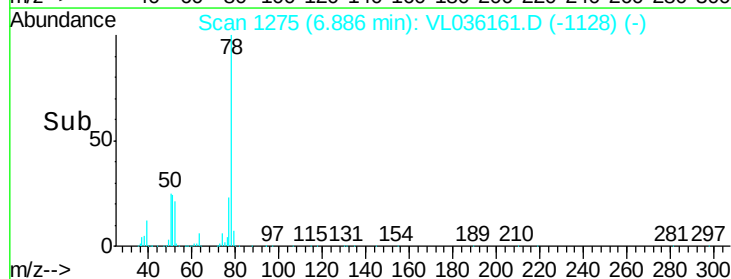
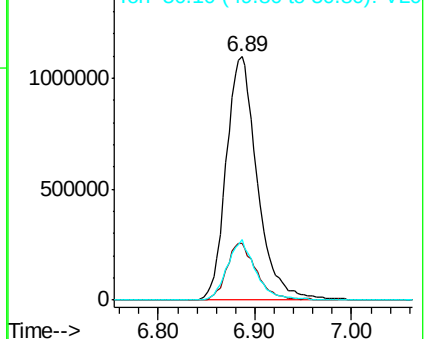
78 100

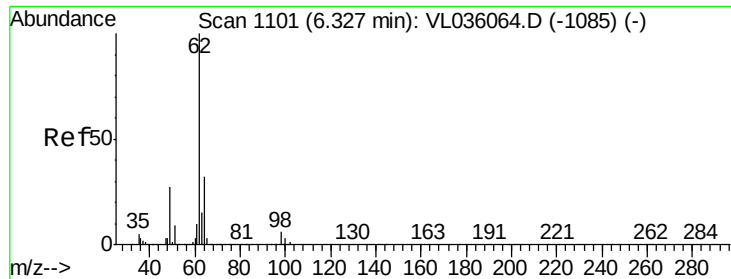
77 23.4 19.4 29.2

50 24.6 17.8 26.8



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: 12.894 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VL036161.D

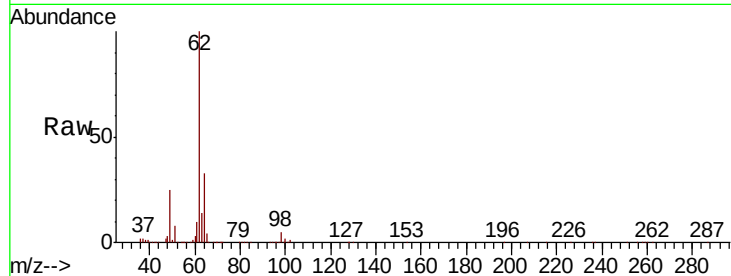
Acq: 11 Dec 2020 12:36

Tot Ion: 62 Resp: 1626707

Ion Ratio Lower Upper

62 100

98 4.9 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

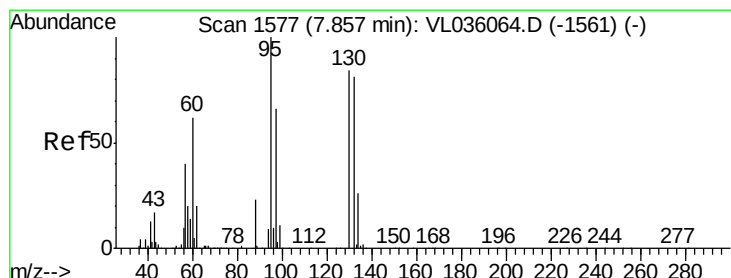
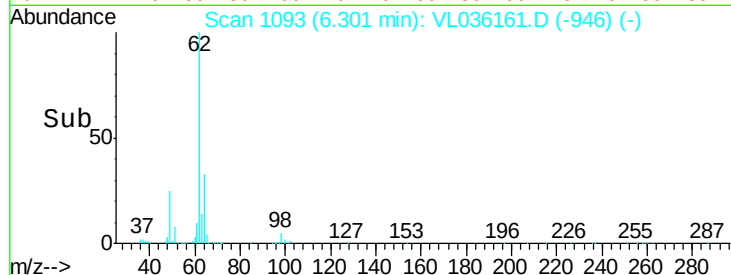
400000

200000

0

6.20 6.25 6.30 6.35 6.40

Time-->



#38

Trichloroethene

Concen: 9.109 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 130 Resp: 741325

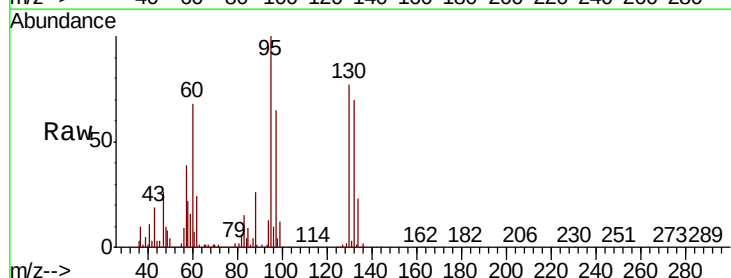
Ion Ratio Lower Upper

130 100

95 131.3 95.2 142.8

132 91.9 76.9 115.3

97 85.0 62.3 93.5



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

600000

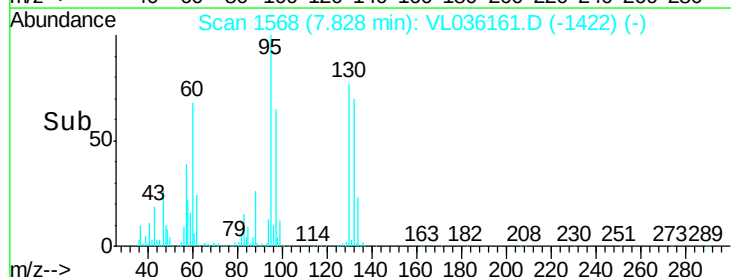
400000

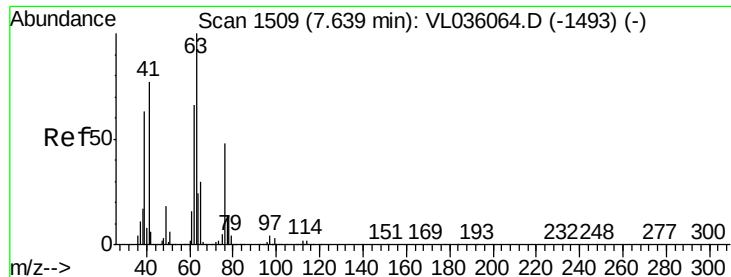
200000

0

7.75 7.80 7.85 7.90

Time-->





#39

1,2-Dichloropropane

Concen: 11.681 ppbv

RT: 7.61 min Scan# 1500

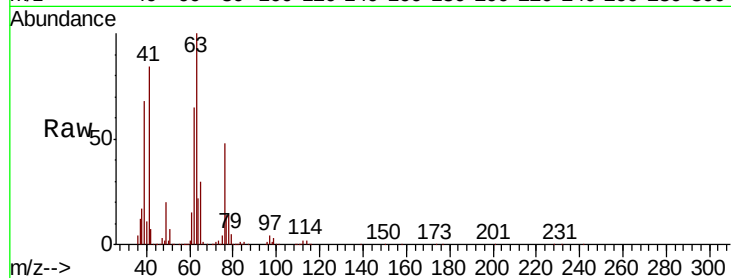
Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tot Ion: 63 Resp: 1004331

Ion	Ratio	Lower	Upper
63	100		
41	83.2	61.9	92.9
62	64.7	52.5	78.7

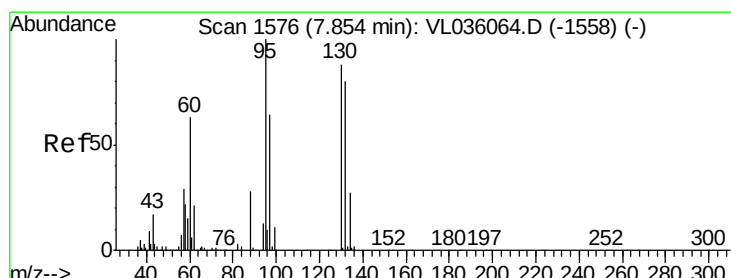
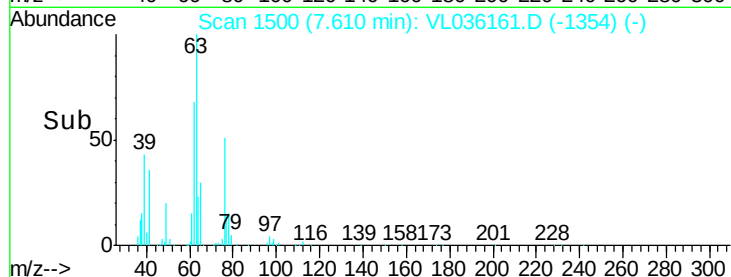
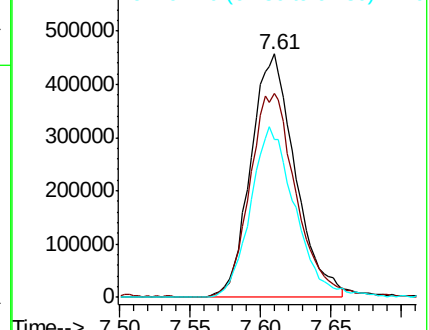


Abundance

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: 10.885 ppbv

RT: 7.83 min Scan# 1567

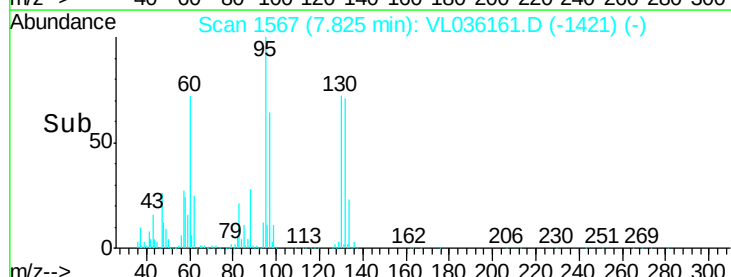
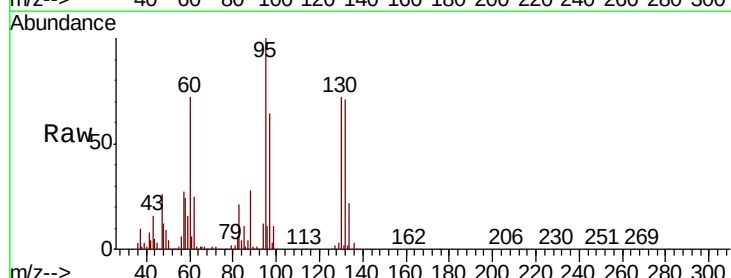
Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 88 Resp: 294350

Ion	Ratio	Lower	Upper
88	100		
58	78.3	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



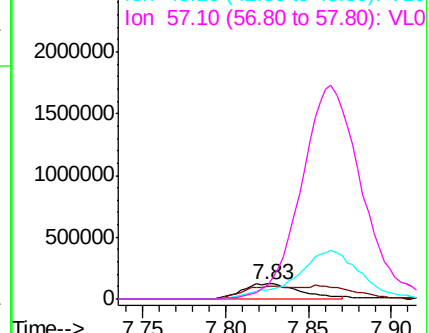
Abundance

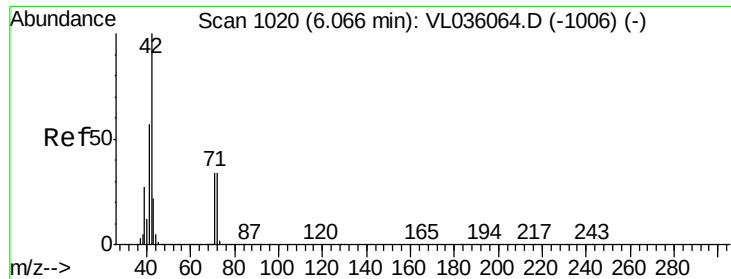
Ion 88.10 (87.80 to 88.80): VL0

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

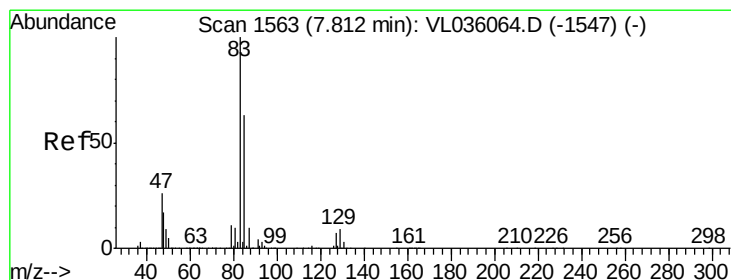
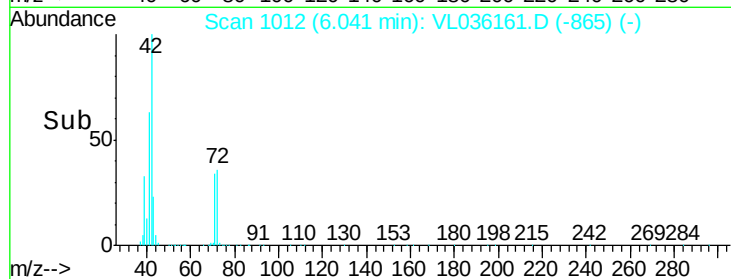
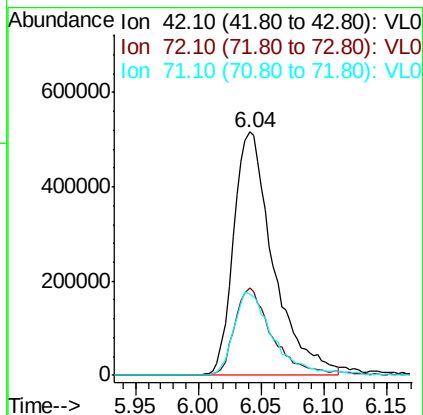
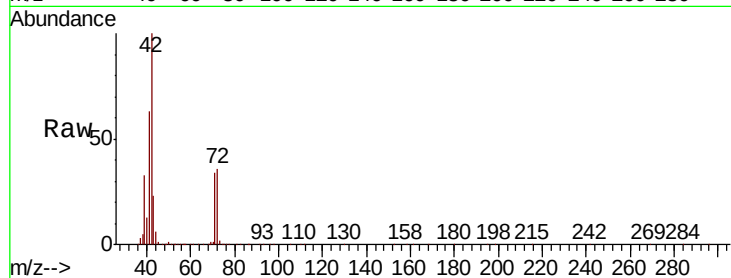




#41
Tetrahydrofuran
Concen: 11.205 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tot Ion: 42 Resp: 1134335

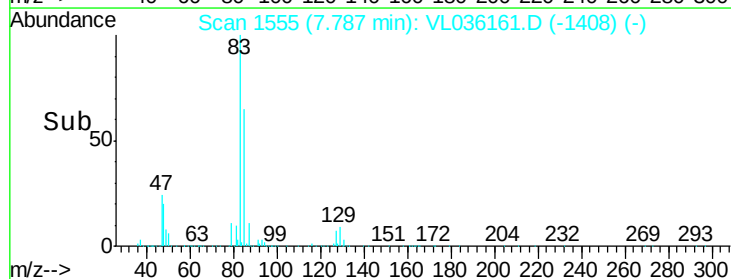
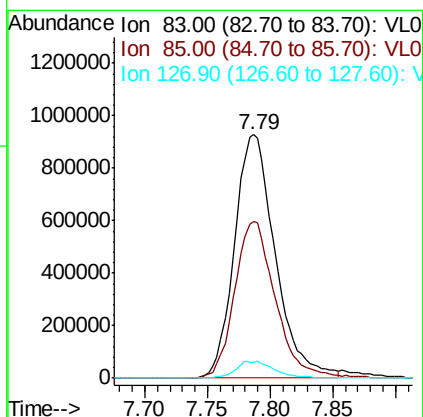
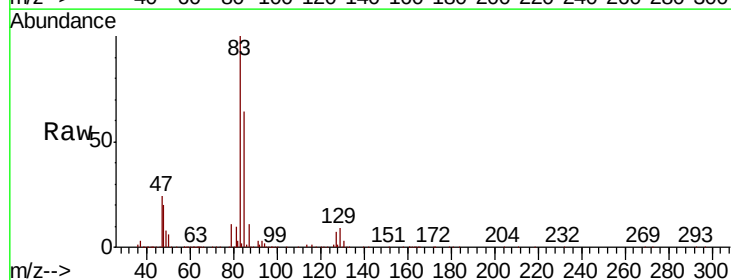
Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.3	42.5
71	34.8	27.3	40.9

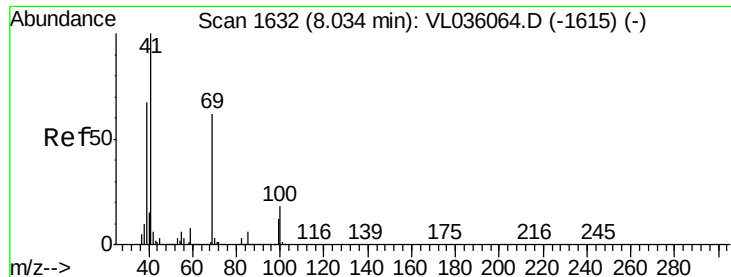


#42
Bromodichloromethane
Concen: 12.471 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 83 Resp: 2096414

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.2	75.2
127	6.5	5.5	8.3





#43

Methvl Methacrylate

Concen: 12.143 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

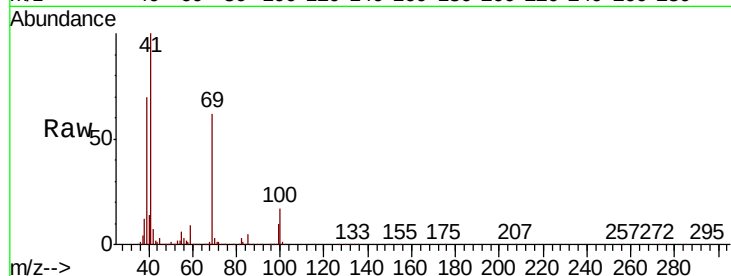
Tot Ion: 69 Resp: 1134201

Ion Ratio Lower Upper

69 100

41 165.2 133.0 199.6

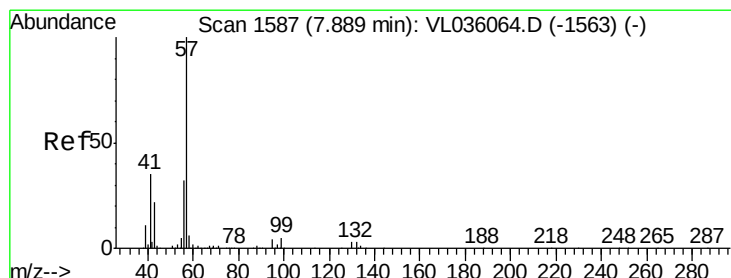
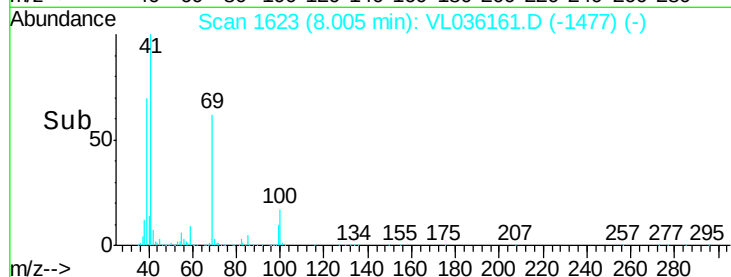
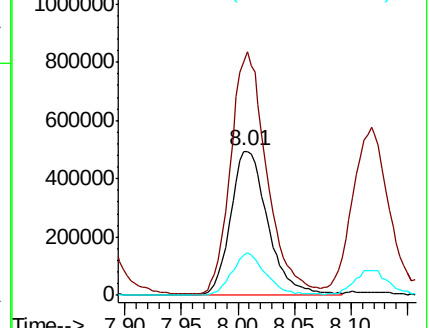
100 27.1 25.4 38.0



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 11.205 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

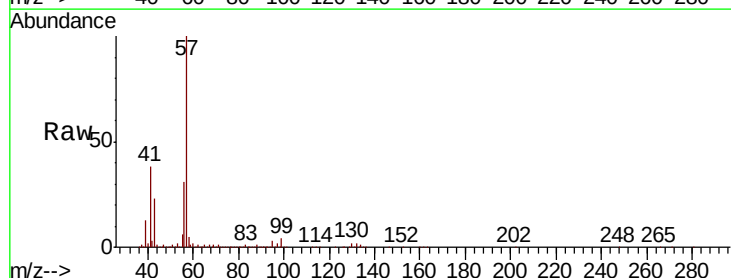
Tgt Ion: 57 Resp: 4417915

Ion Ratio Lower Upper

57 100

41 37.0 28.9 43.3

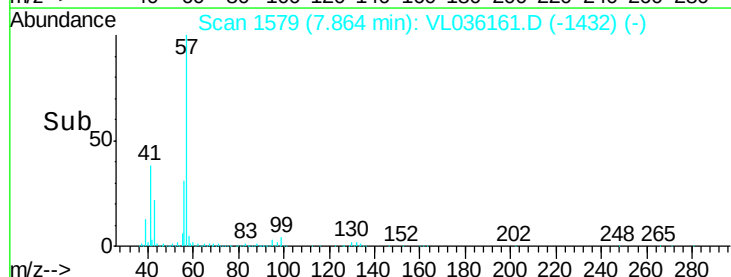
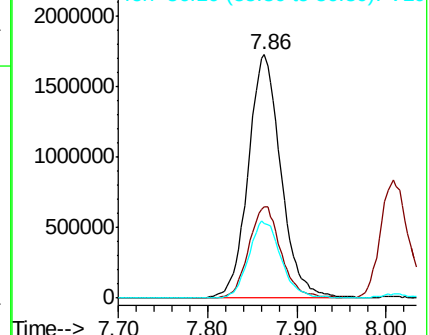
56 31.4 25.3 37.9

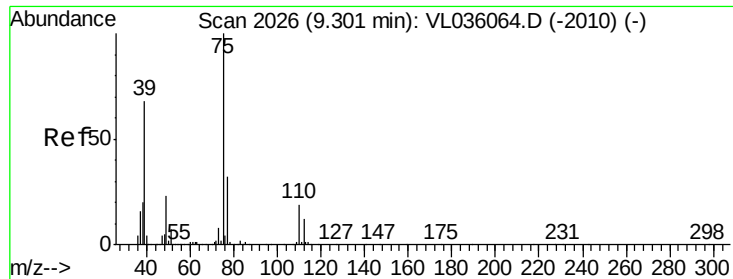


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.402 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. -0.03 min

Lab File: VL036161.D

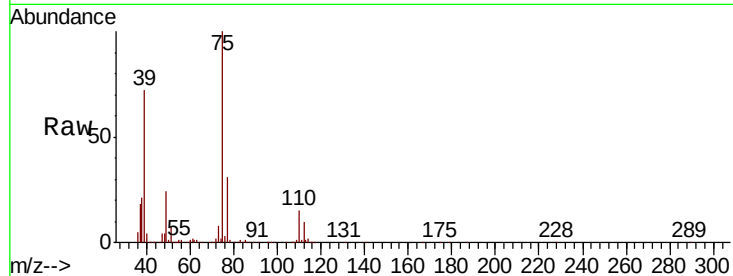
Acq: 11 Dec 2020 12:36

Tot Ion: 75 Resp: 1190048

Ion Ratio Lower Upper

75 100

77 30.6 26.0 39.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

600000

500000

400000

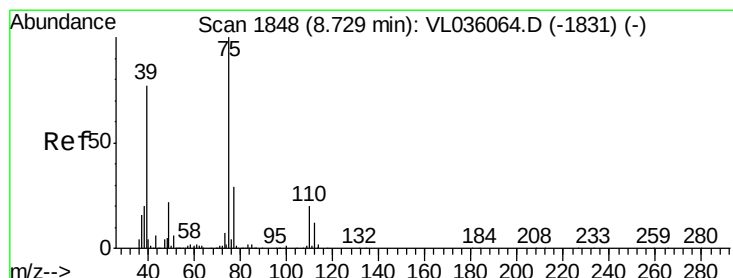
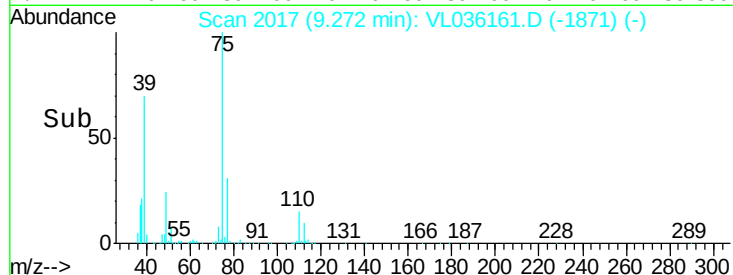
300000

200000

100000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 11.787 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

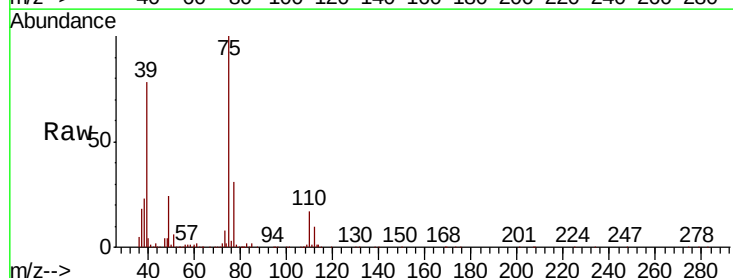
Tgt Ion: 75 Resp: 1417642

Ion Ratio Lower Upper

75 100

39 78.0 61.6 92.4

77 30.9 23.0 34.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.70

800000

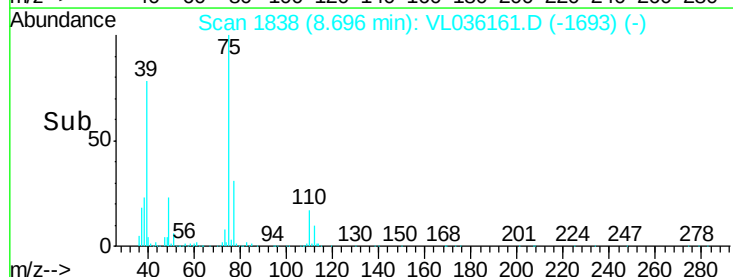
600000

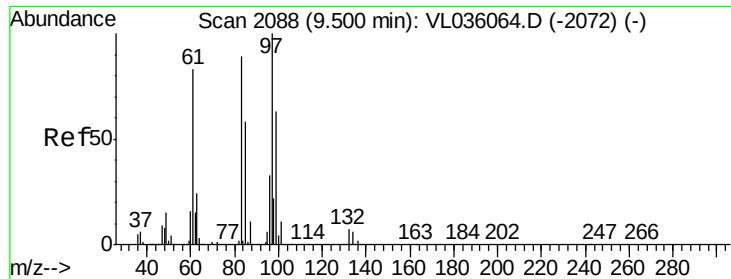
400000

200000

0

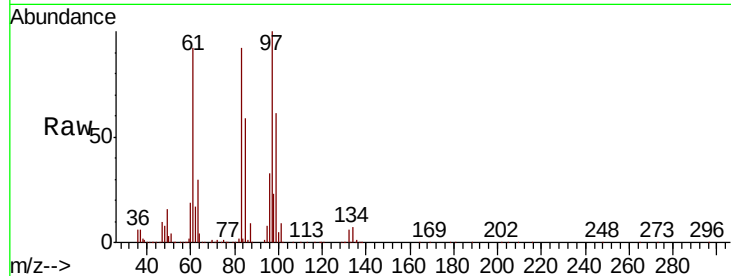
Time--> 8.60 8.65 8.70 8.75





#47
 1,1,2-Trichloroethane
 Concen: 11.286 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tot Ion:	97	Resp:	933577
Ion	Ratio	Lower	Upper
97	100		
83	92.1	71.4	107.2
85	59.3	46.6	70.0
99	61.1	50.7	76.1



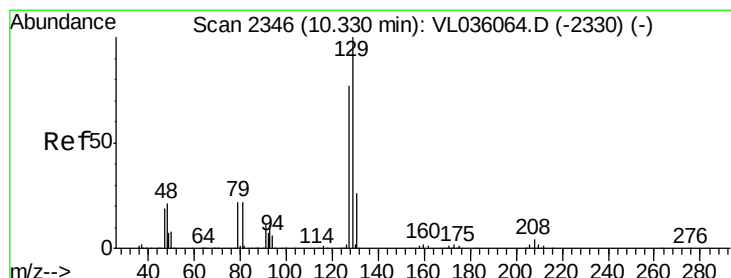
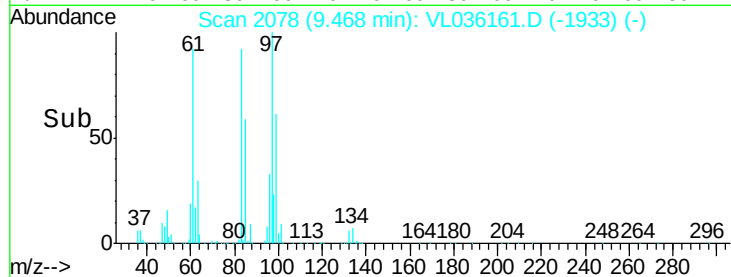
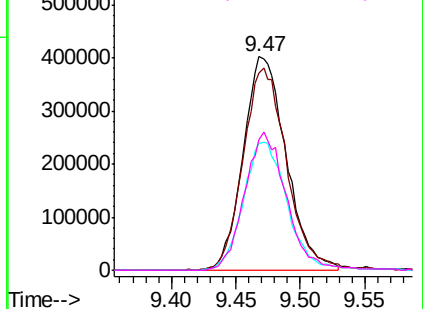
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

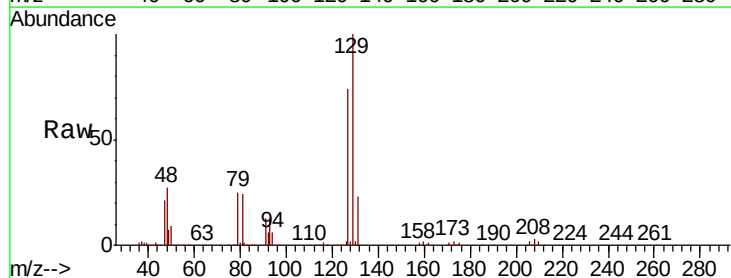
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.774 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

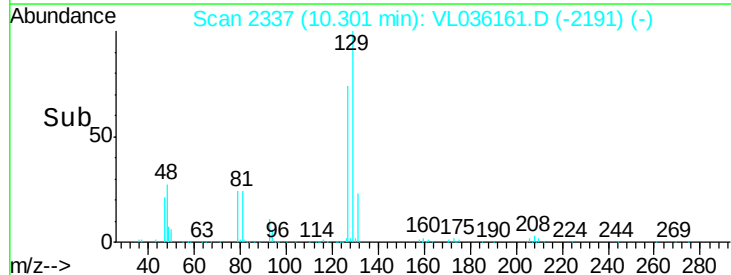
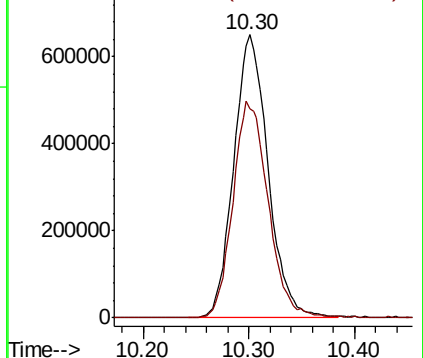
Tgt Ion:	129	Resp:	1470757
Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.0	117.0

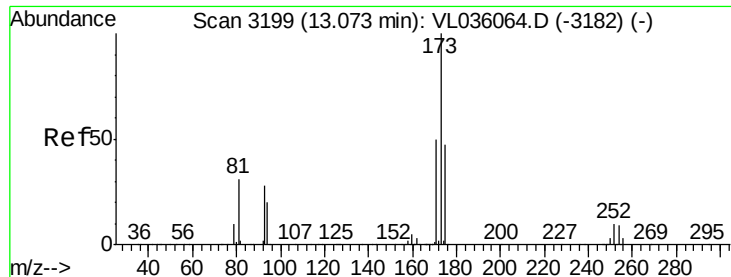


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.063 ppbv

RT: 13.04 min Scan# 3189

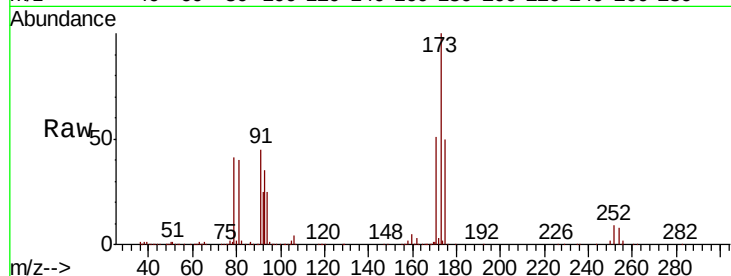
Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tot Ion:173 Resp: 1185948

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.8	59.6
171	51.0	42.5	63.7

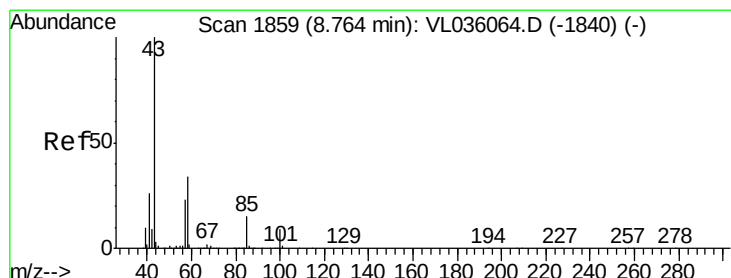
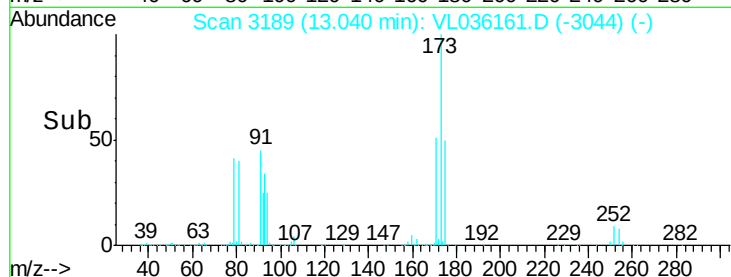
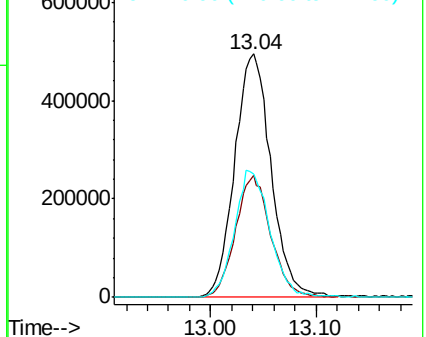


Abundance

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: 11.851 ppbv

RT: 8.74 min Scan# 1850

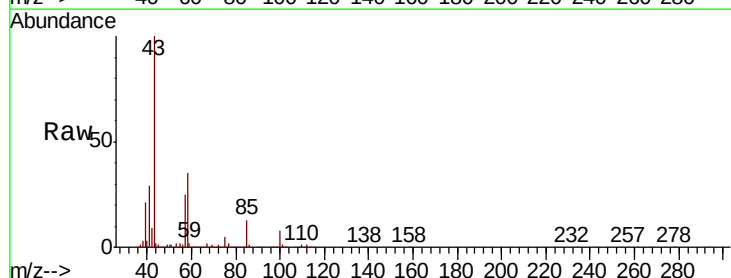
Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 43 Resp: 3011795

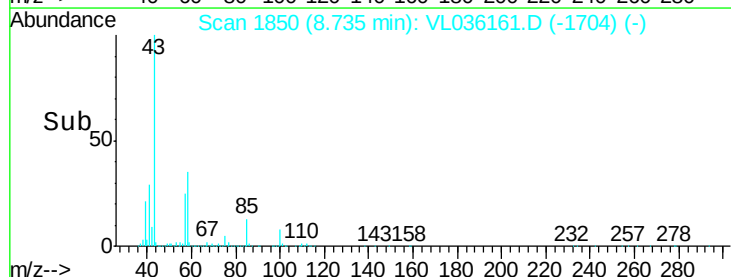
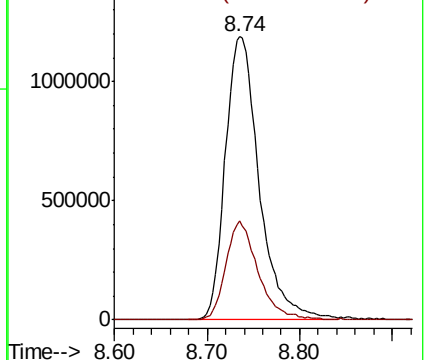
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.4	41.2

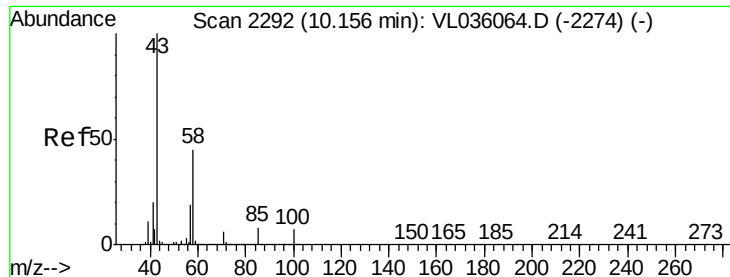


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.182 ppbv

RT: 10.13 min Scan# 2283

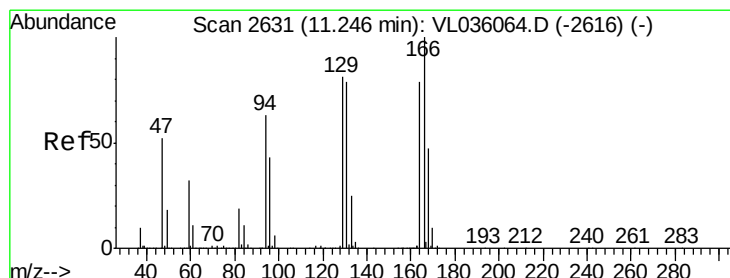
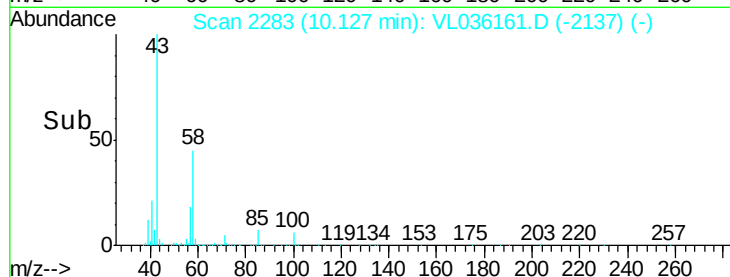
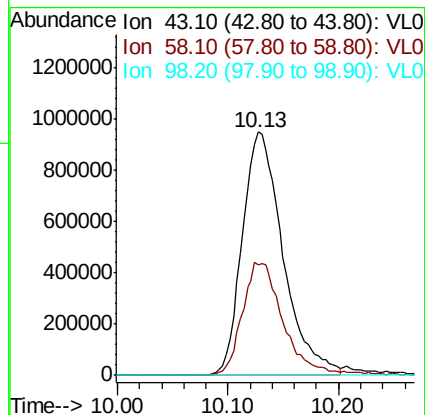
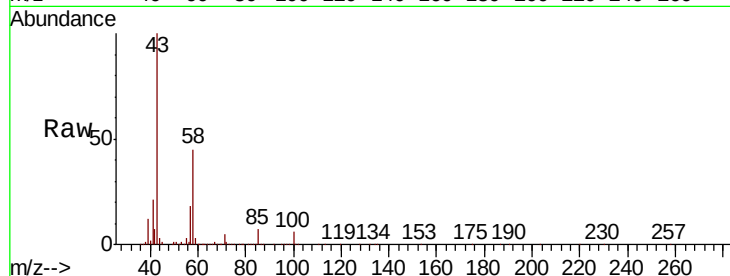
Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tot Ion: 43 Resp: 2419971

Ion	Ratio	Lower	Upper
43	100		
58	46.7	38.7	58.1
98	0.1	0.1	0.1#



#52

Tetrachloroethene

Concen: 8.901 ppbv

RT: 11.22 min Scan# 2623

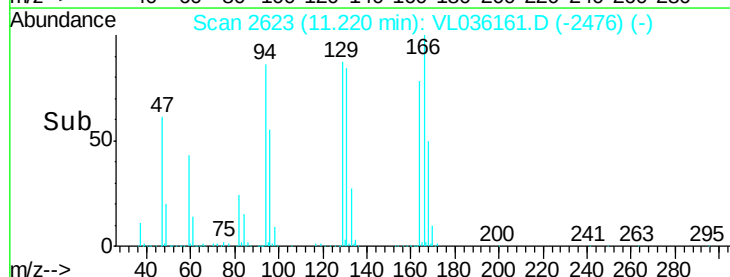
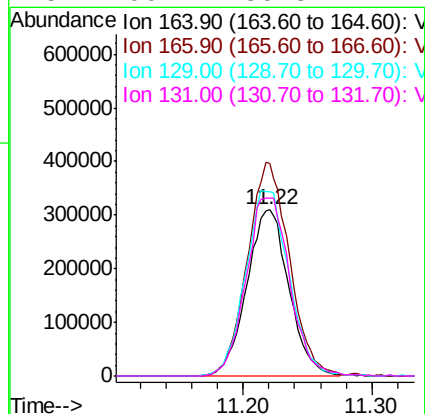
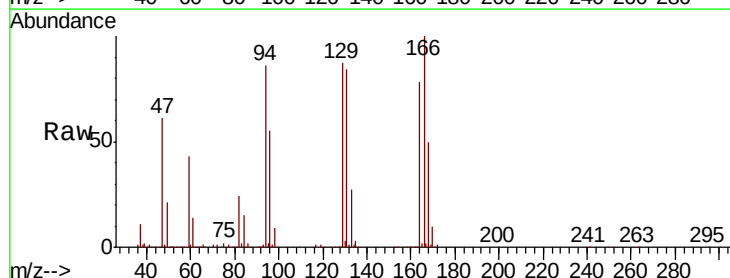
Delta R.T. -0.03 min

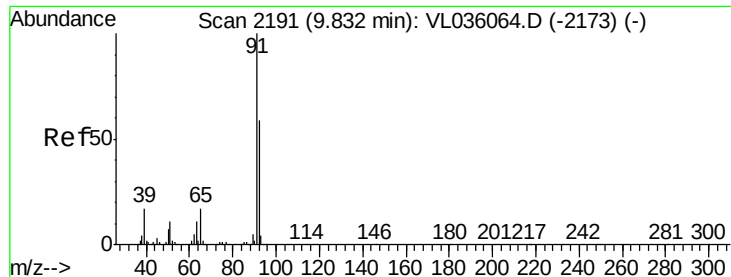
Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 164 Resp: 701528

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	110.4	82.1	123.1
131	106.7	80.8	121.2





#53

Toluene

Concen: 10.959 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.03 min

Lab File: VL036161.D

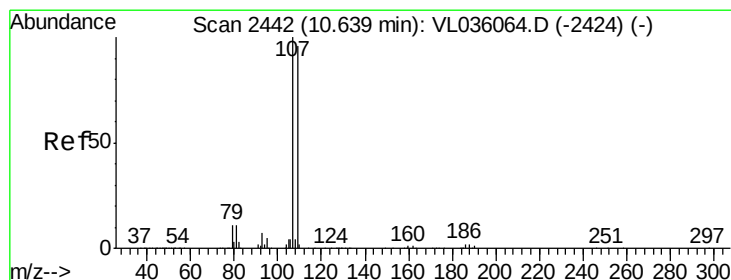
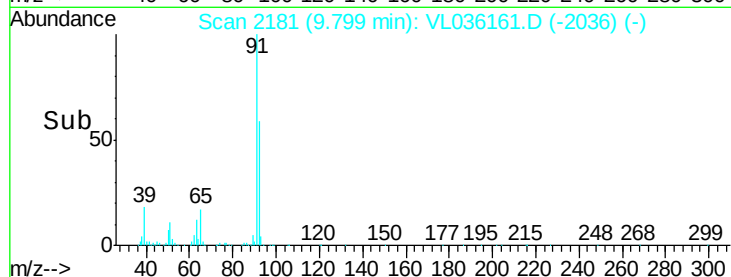
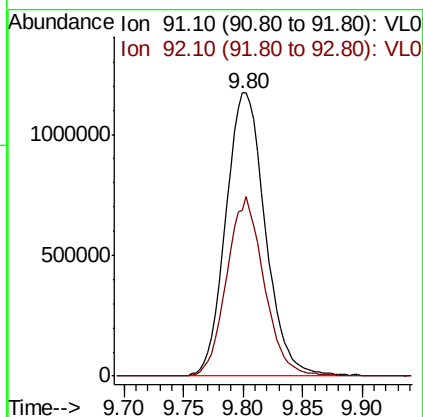
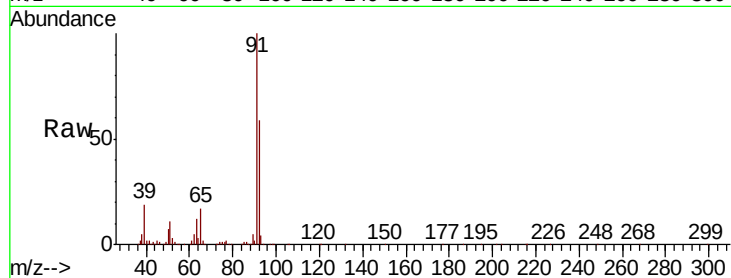
Acq: 11 Dec 2020 12:36

Tot Ion: 91 Resp: 2679151

Ion Ratio Lower Upper

91 100

92 60.6 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.277 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.03 min

Lab File: VL036161.D

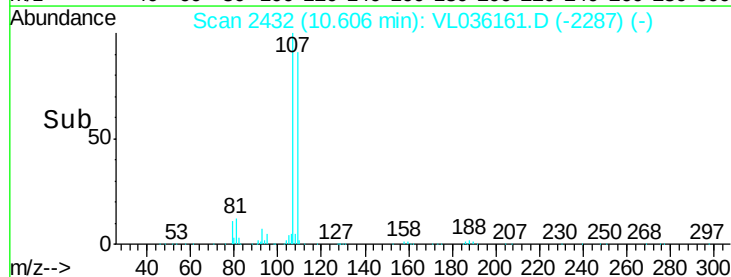
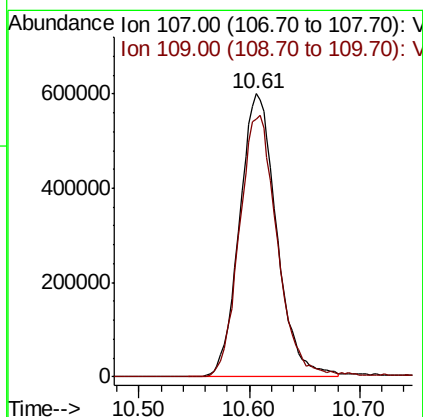
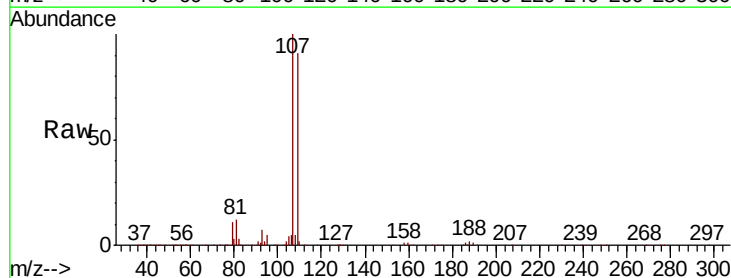
Acq: 11 Dec 2020 12:36

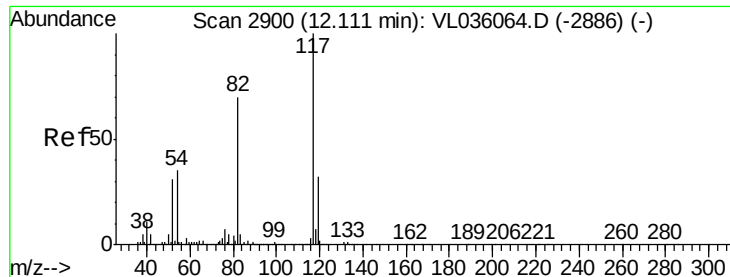
Tgt Ion: 107 Resp: 1398241

Ion Ratio Lower Upper

107 100

109 91.2 76.6 115.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.08 min Scan# 2890

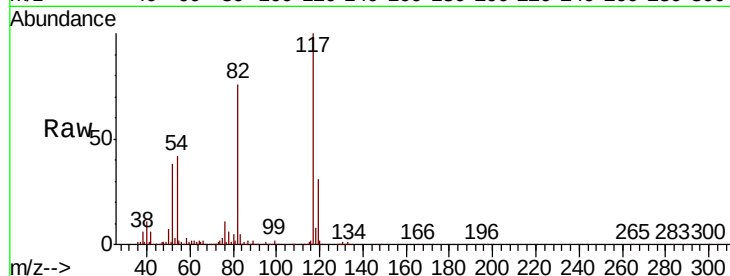
Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tot Ion:117 Resp: 2464283

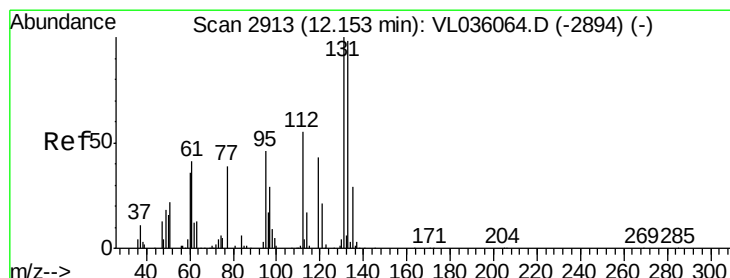
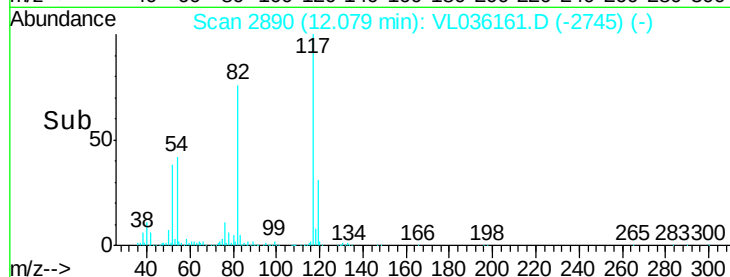
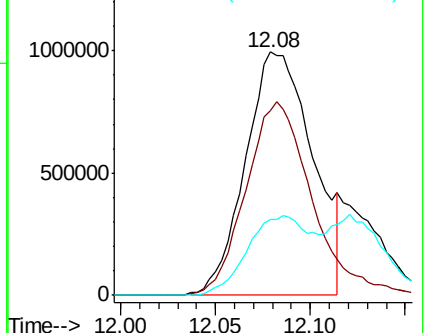
Ion	Ratio	Lower	Upper
117	100		
82	78.7	0.0	0.0#
119	31.1	0.0	0.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.649 ppbv

RT: 12.12 min Scan# 2904

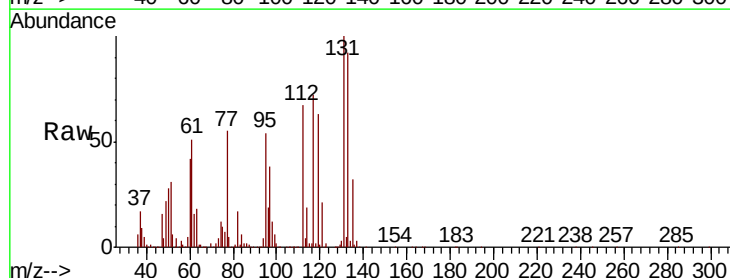
Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion:131 Resp: 1088108

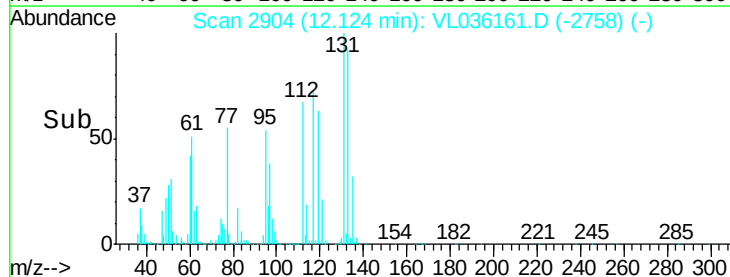
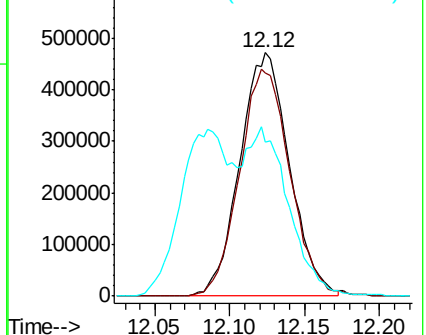
Ion	Ratio	Lower	Upper
131	100		
133	95.1	77.7	116.5
119	61.8	51.6	77.4

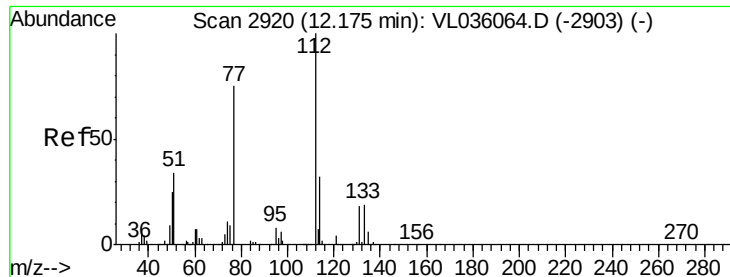


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

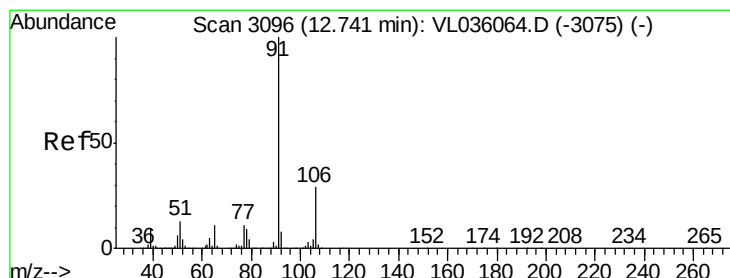
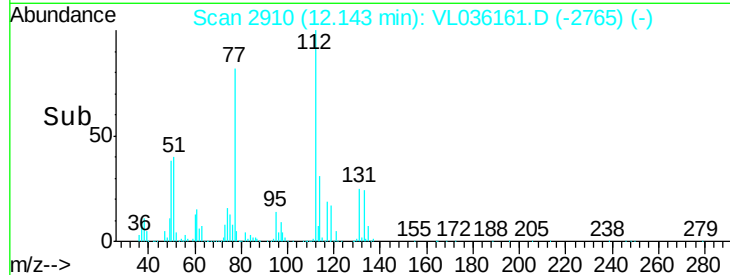
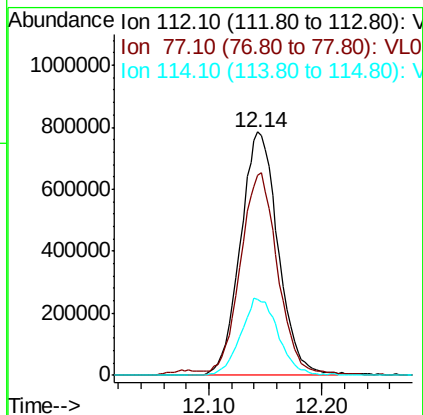
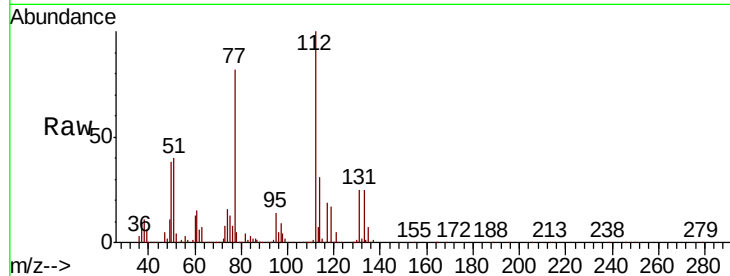
Ion 119.00 (118.70 to 119.70): V





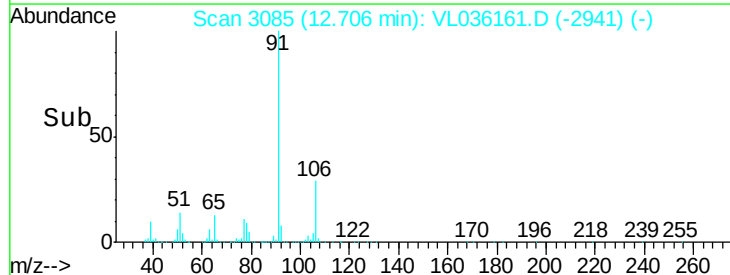
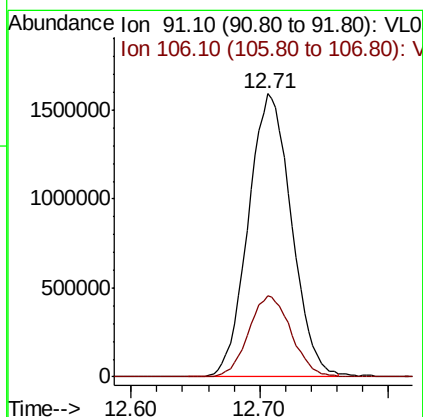
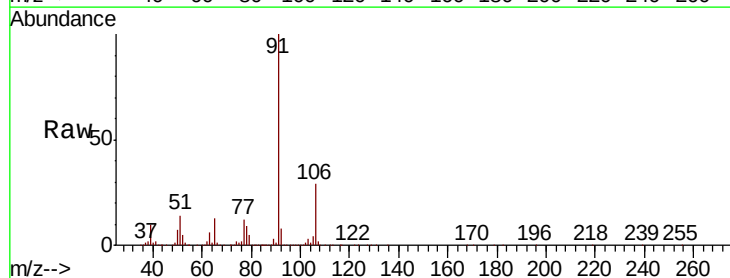
#57
Chlorobenzene
Concen: 10.488 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

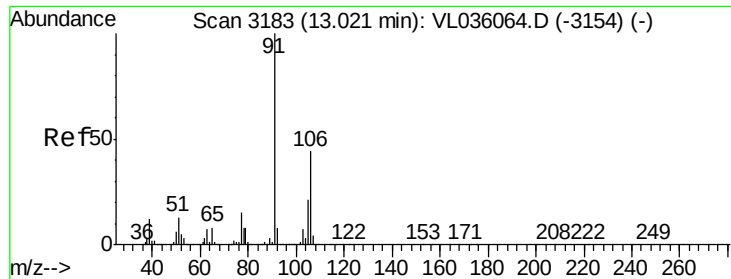
Tot Ion: 112 Resp: 1814385
Ion Ratio Lower Upper
112 100
77 81.2 60.5 90.7
114 31.2 29.2 35.6



#58
Ethyl Benzene
Concen: 11.011 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.04 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

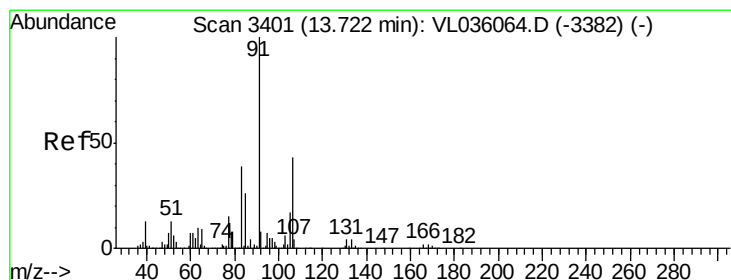
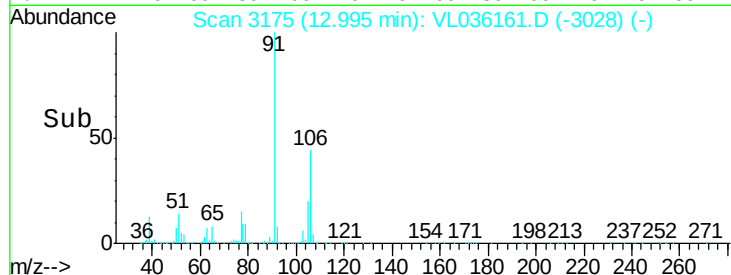
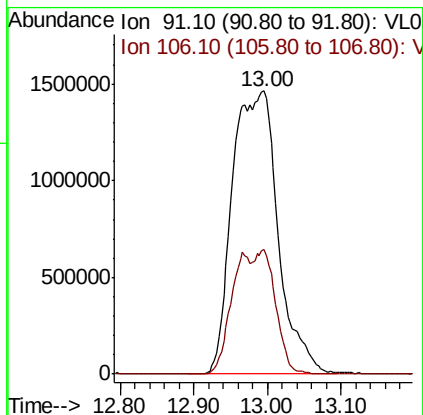
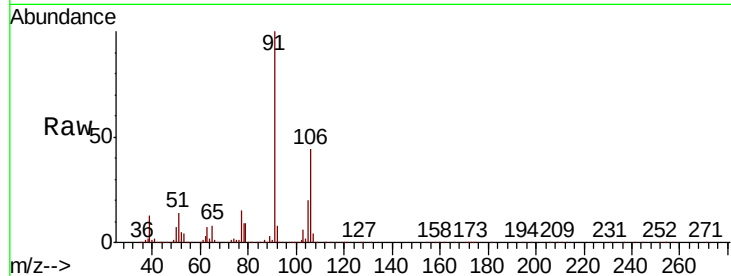
Tgt Ion: 91 Resp: 3718565
Ion Ratio Lower Upper
91 100
106 28.6 23.0 34.4





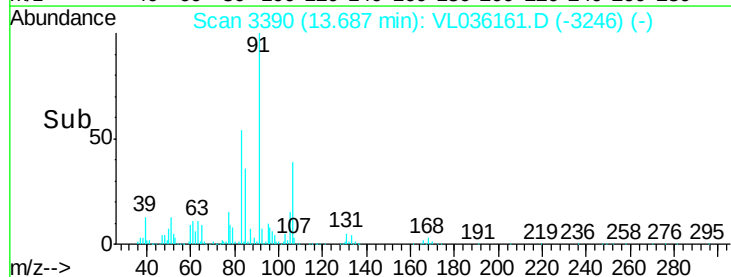
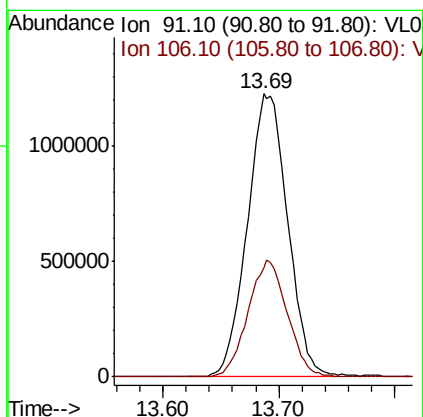
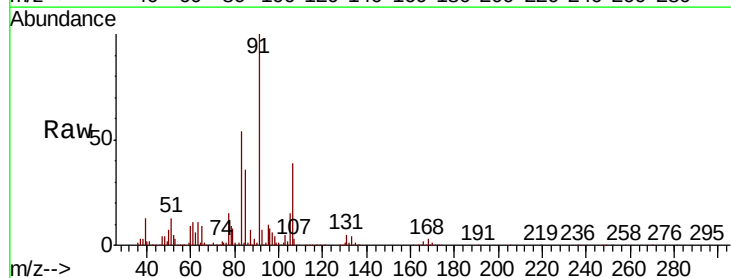
#59
m/p-Xylene
Concen: 22.187 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

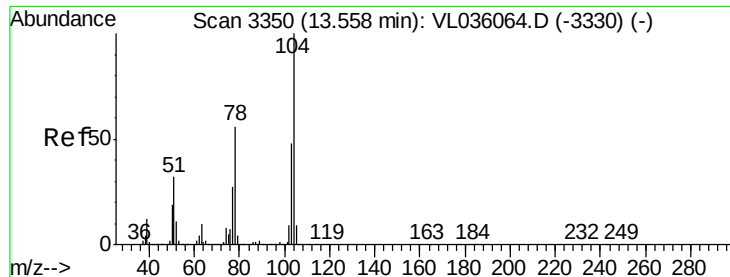
Tot Ion: 91 Resp: 6310926
Ion Ratio Lower Upper
91 100
106 40.3 33.6 50.4



#60
o-Xylene
Concen: 11.023 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.04 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 91 Resp: 2954046
Ion Ratio Lower Upper
91 100
106 40.6 21.6 64.6





#61

Stvrene

Concen: 11.413 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

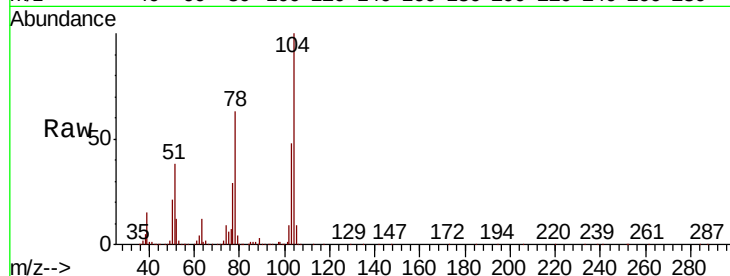
Tot Ion:104 Resp: 1963620

Ion	Ratio	Lower	Upper
104	100		
78	63.8	45.8	68.8
103	47.8	38.6	57.8

104 100

78 63.8 45.8 68.8

103 47.8 38.6 57.8



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

1200000

1000000

800000

600000

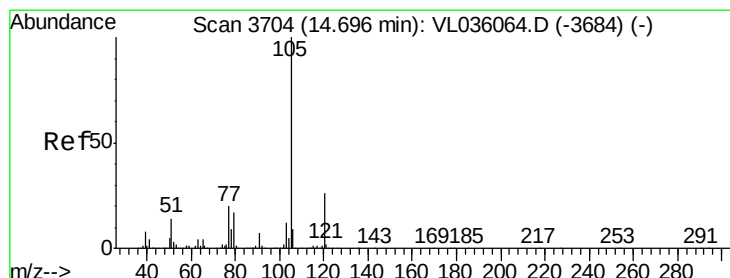
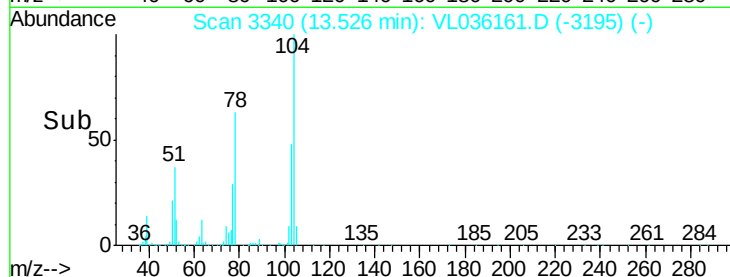
400000

200000

0

13.53

Time-->



#62

Isopropylbenzene

Concen: 10.604 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.03 min

Lab File: VL036161.D

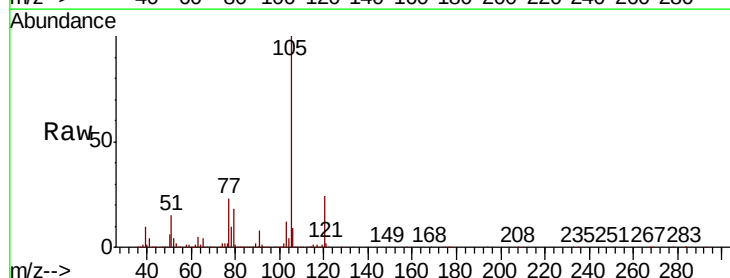
Acq: 11 Dec 2020 12:36

Tgt Ion:105 Resp: 4212334

Ion	Ratio	Lower	Upper
105	100		
120	23.6	20.1	30.1

105 100

120 23.6 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

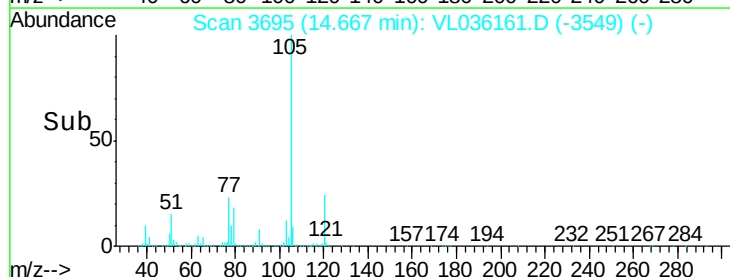
1000000

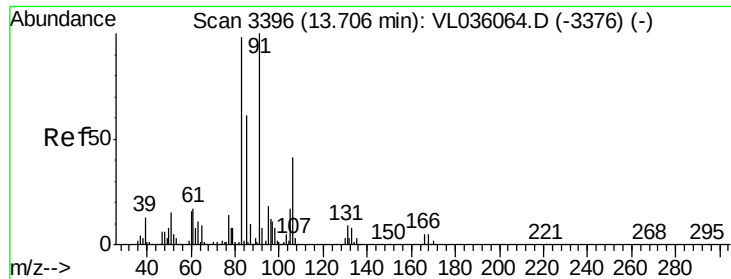
500000

0

14.67

Time-->

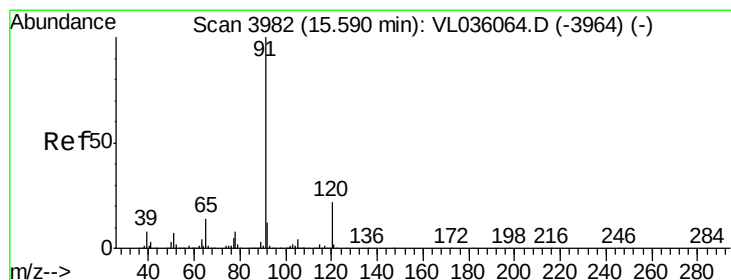
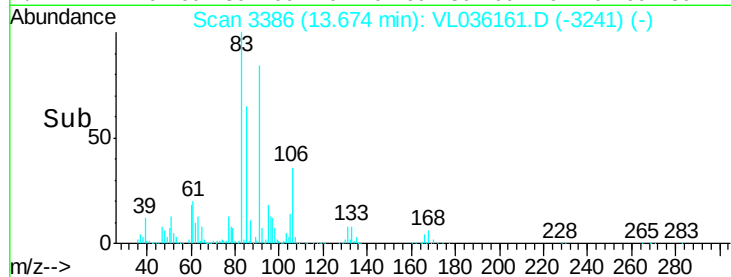
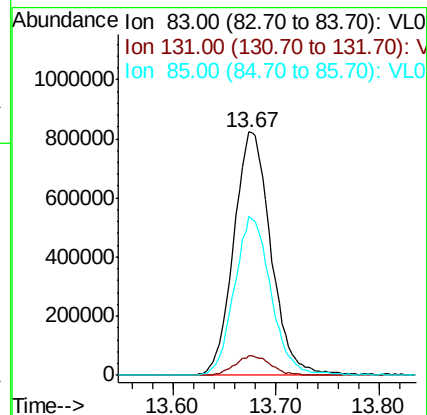
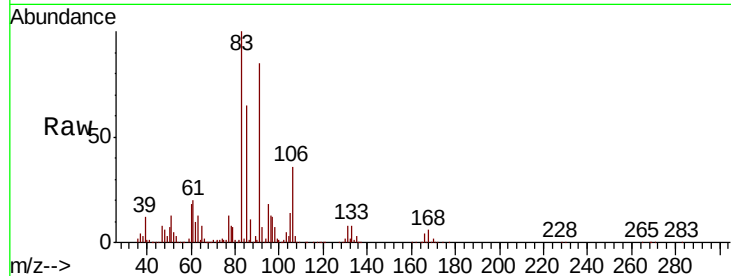




#63

1,1,2,2-Tetrachloroethane
Concen: 11.410 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

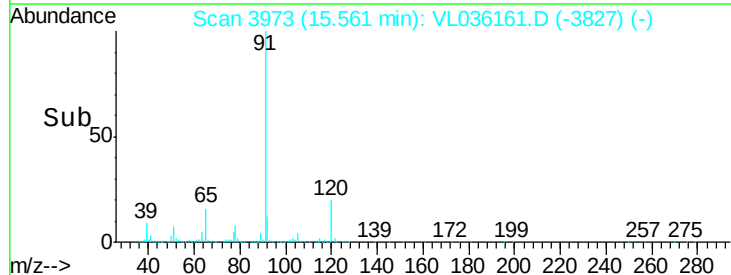
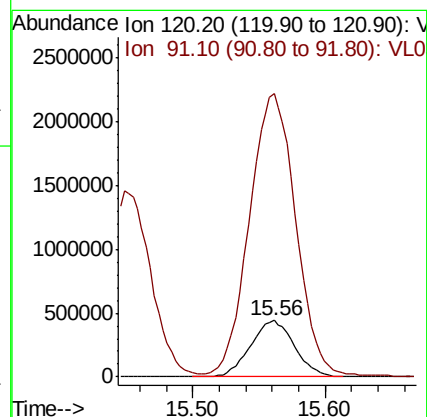
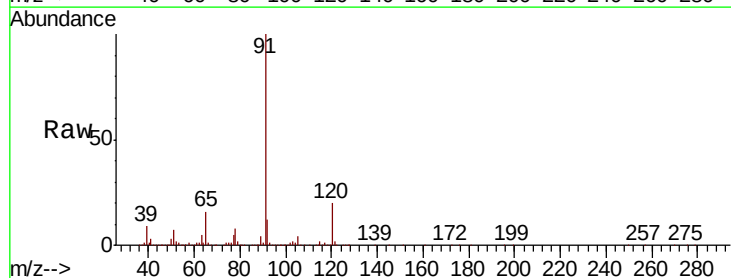
Tot Ion: 83 Resp: 2059277
Ion Ratio Lower Upper
83 100
131 7.9 4.6 13.8
85 65.1 32.5 97.5

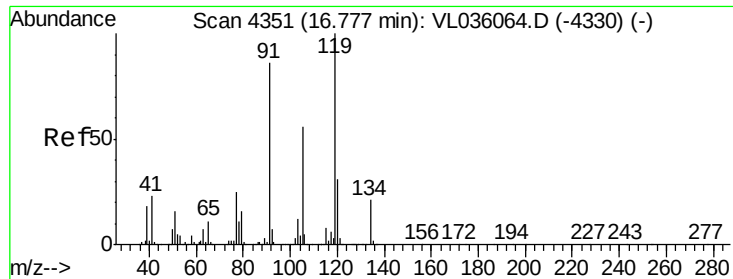


#64

n-propylbenzene
Concen: 10.746 ppbv
RT: 15.56 min Scan# 3973
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

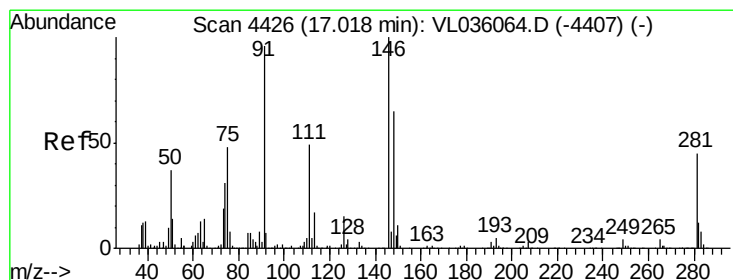
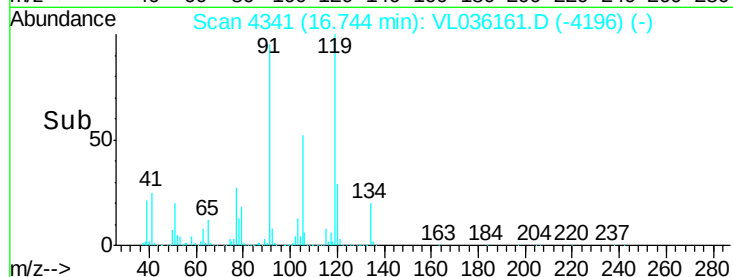
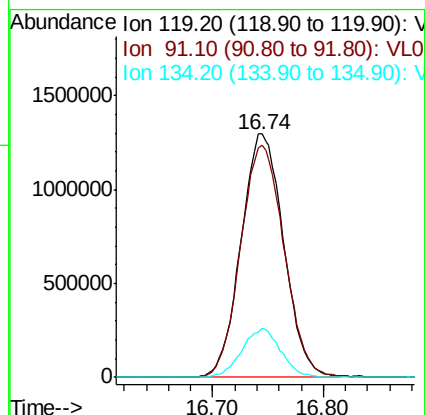
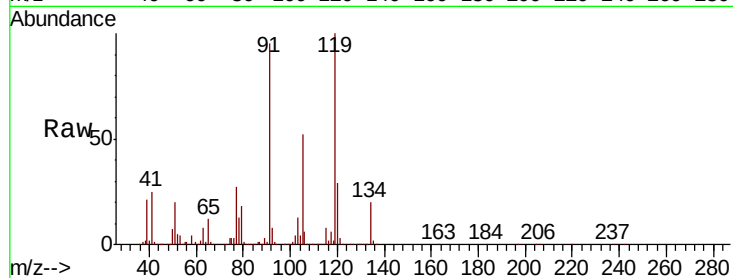
Tgt Ion:120 Resp: 1027012
Ion Ratio Lower Upper
120 100
91 531.1 388.9 583.3





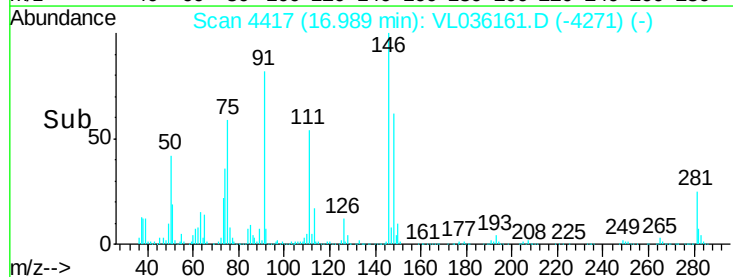
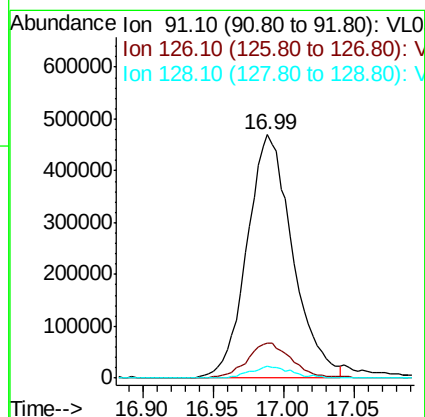
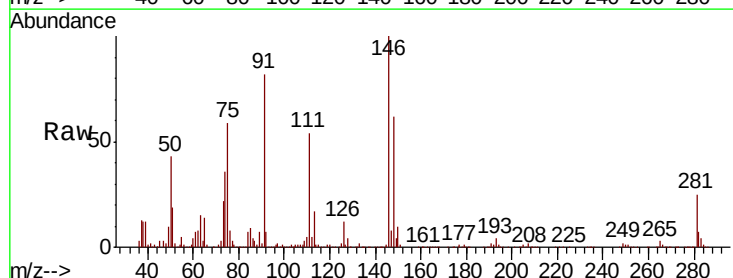
#65
tert-Butylbenzene
Concen: 10.657 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

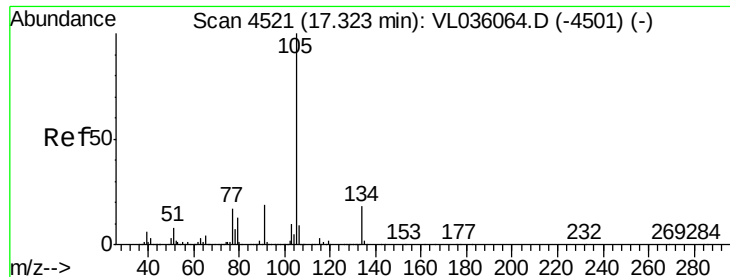
Tot Ion:119 Resp: 3465118
Ion Ratio Lower Upper
119 100
91 97.7 70.2 105.2
134 18.5 15.8 23.6



#66
Benzyl Chloride
Concen: 13.024 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 91 Resp: 1054485
Ion Ratio Lower Upper
91 100
126 14.5 13.5 20.3
128 4.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 11.090 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.03 min

Lab File: VL036161.D

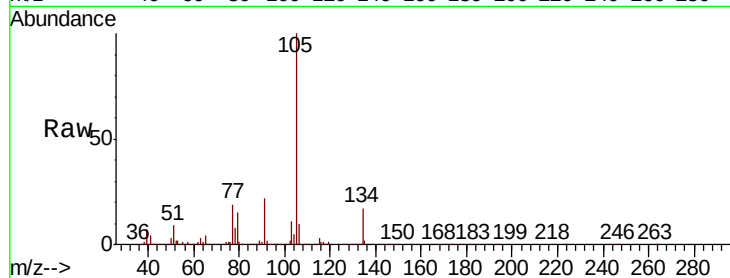
Acq: 11 Dec 2020 12:36

Tot Ion: 105 Resp: 5046567

Ion Ratio Lower Upper

105 100

134 16.7 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

1000000

500000

0

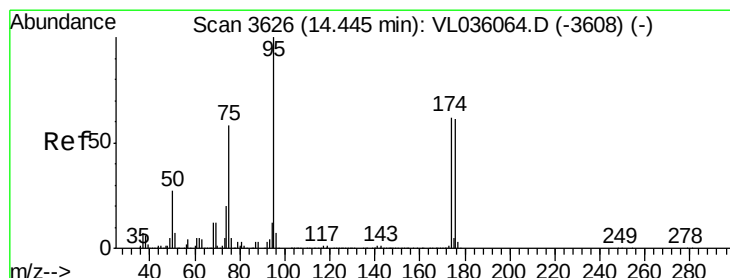
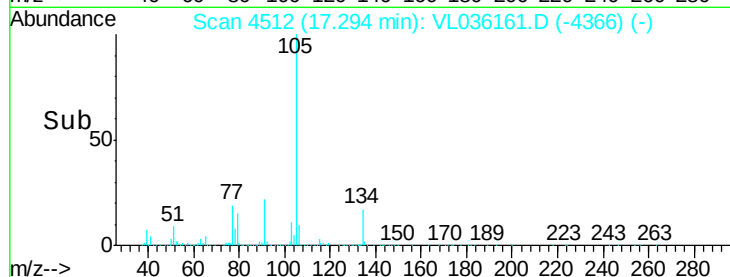
17.29

17.20

17.30

17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.931 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

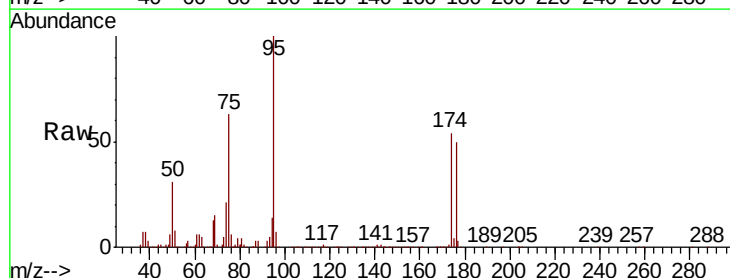
Tgt Ion: 95 Resp: 2138951

Ion Ratio Lower Upper

95 100

174 53.4 50.7 76.1

175 4.1 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

600000

400000

200000

0

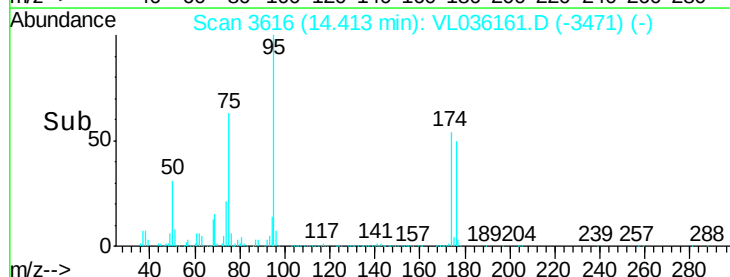
14.41

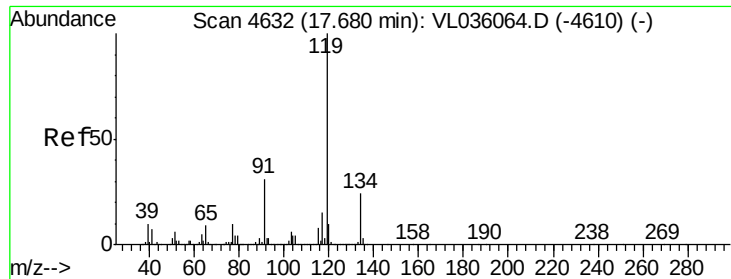
14.30

14.40

14.50

Time-->

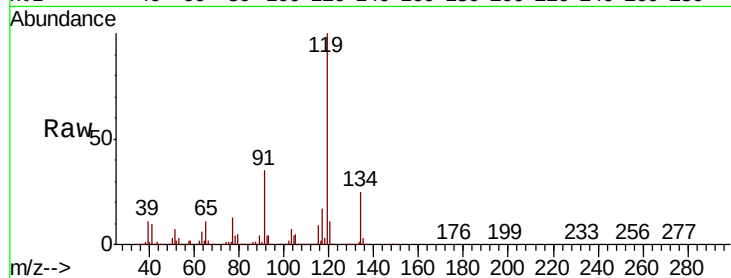




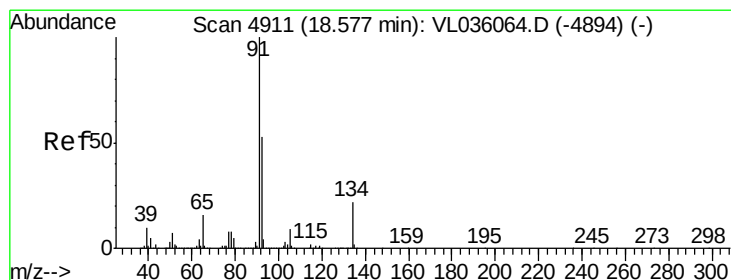
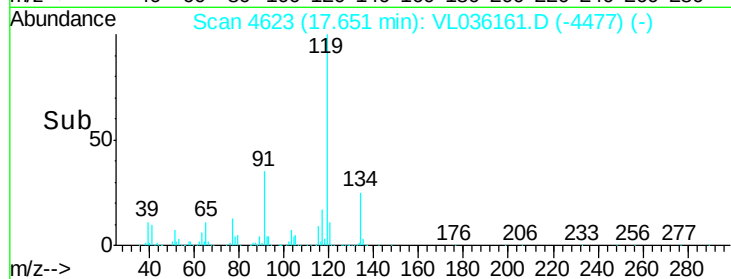
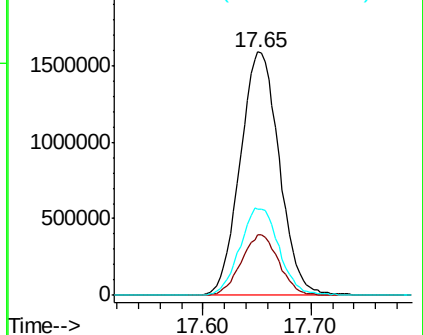
#69
 p-Isopropyltoluene
 Concen: 11.015 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tot Ion: 119 Resp: 3987118

Ion	Ratio	Lower	Upper
119	100		
134	24.3	19.8	29.6
91	36.0	25.8	38.6



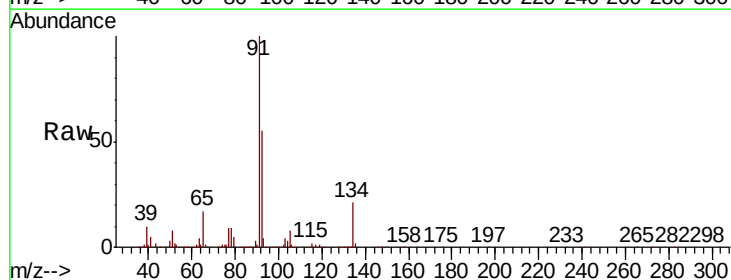
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



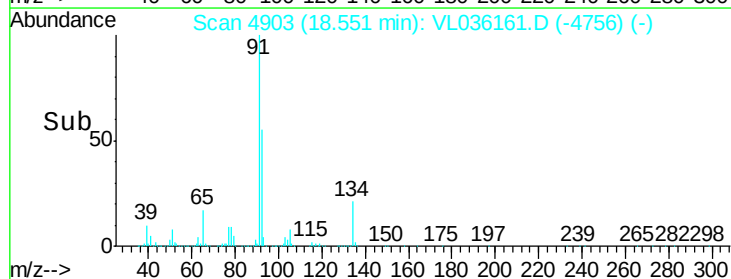
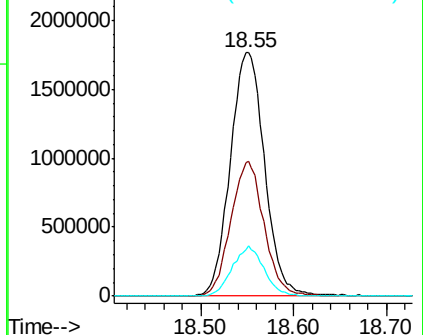
#70
 n-Butylbenzene
 Concen: 12.682 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

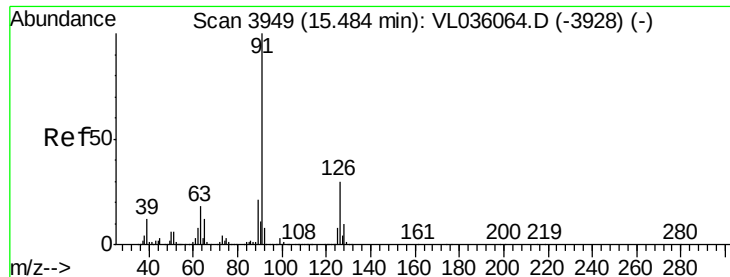
Tgt Ion: 91 Resp: 4537080

Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.3	64.9
134	19.2	17.1	25.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 11.563 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. -0.04 min

Lab File: VL036161.D

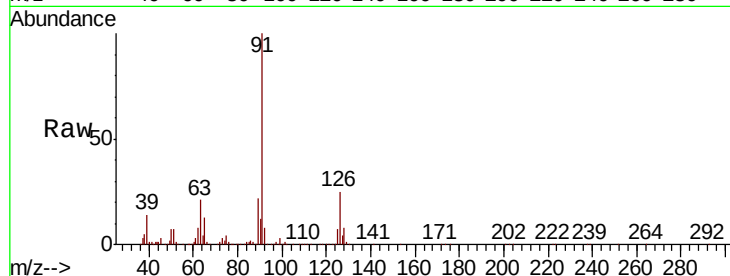
Acq: 11 Dec 2020 12:36

Tot Ion: 91 Resp: 3472272

Ion Ratio Lower Upper

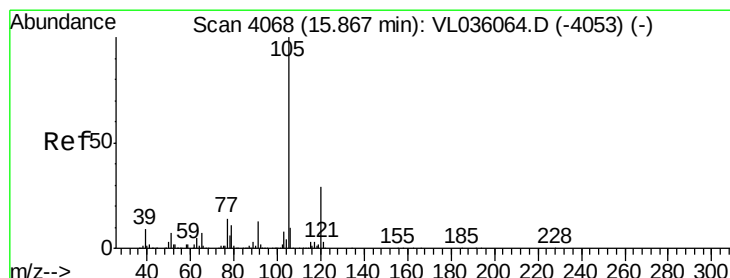
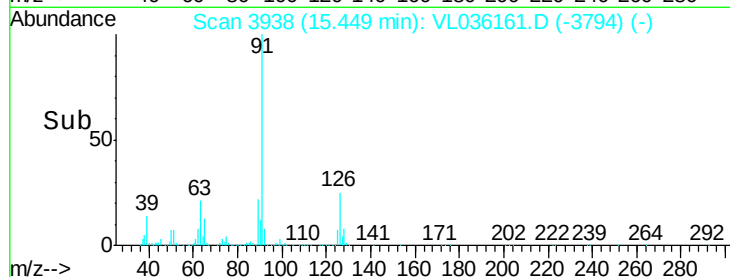
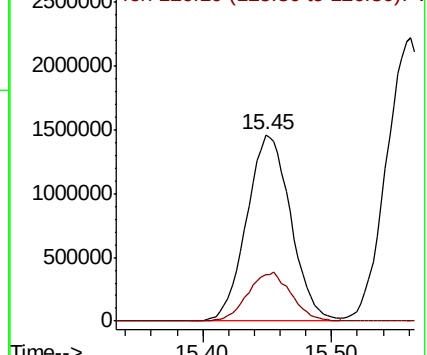
91 100

126 26.2 11.6 46.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.335 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion:105 Resp: 3290594

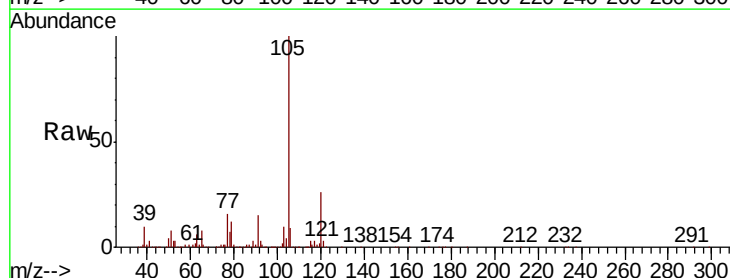
Ion Ratio Lower Upper

105 100

120 27.7 23.6 35.4

91 14.2 11.4 17.0

77 16.5 12.1 18.1

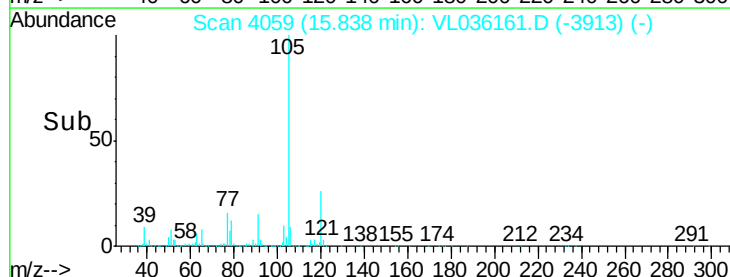
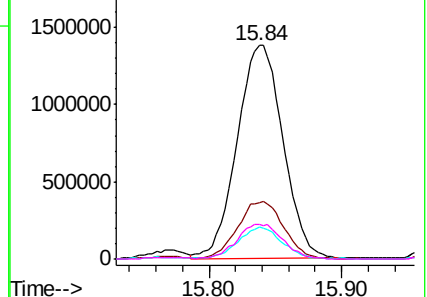


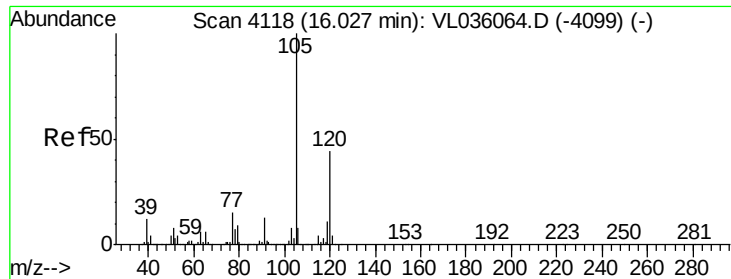
Abundance Ion 105.10 (104.80 to 105.80): V

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: 11.152 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.03 min

Lab File: VL036161.D

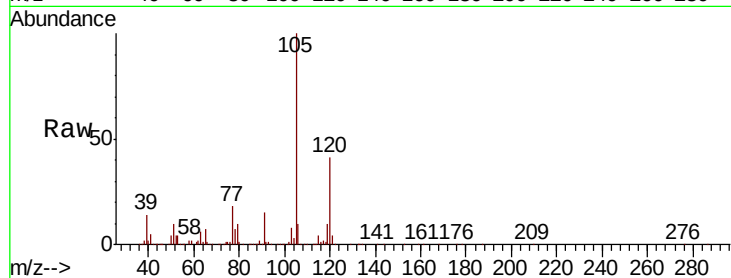
Acq: 11 Dec 2020 12:36

Tot Ion:105 Resp: 3091901

Ion Ratio Lower Upper

105 100

120 41.4 35.4 53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

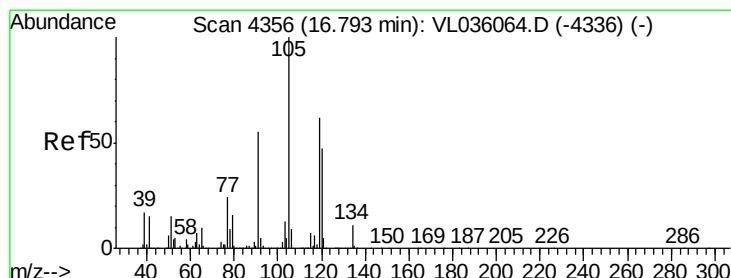
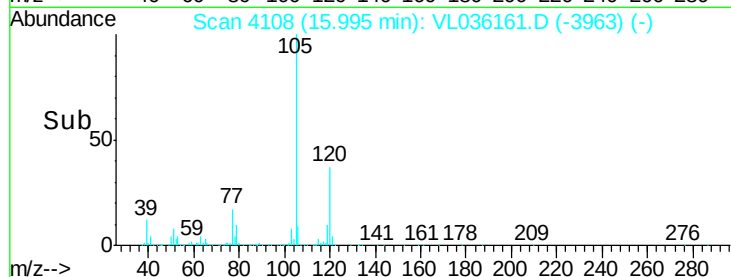
16.00

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 11.350 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion:105 Resp: 3158969

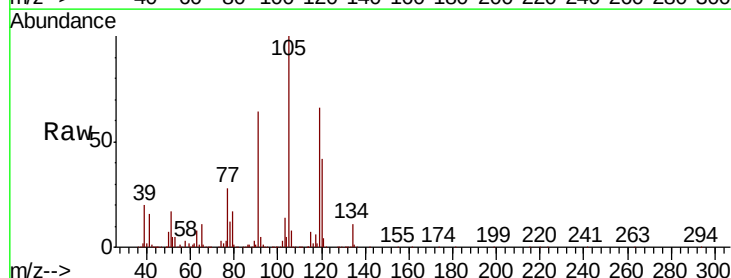
Ion Ratio Lower Upper

105 100

120 41.7 37.4 56.0

91 63.6 45.6 68.4

77 28.1 19.4 29.2



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

2000000

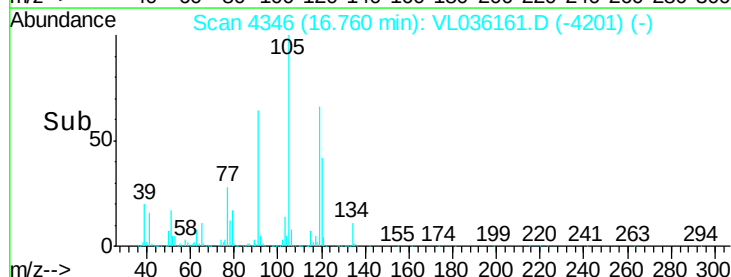
1500000

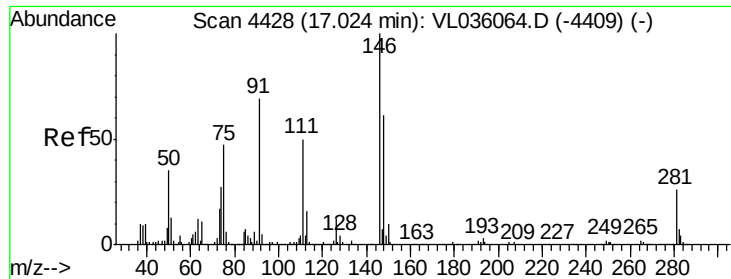
1000000

500000

0

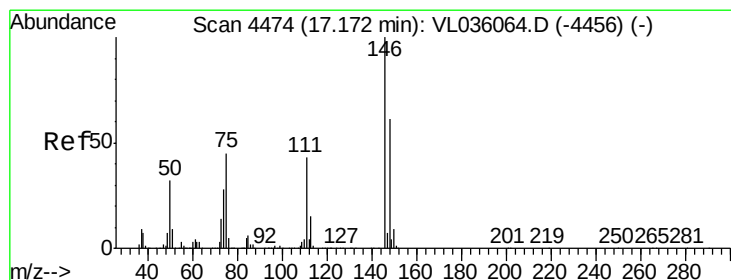
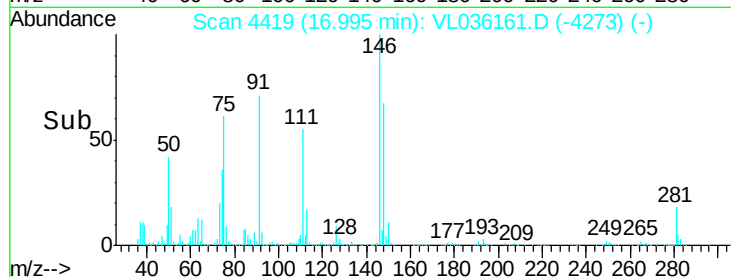
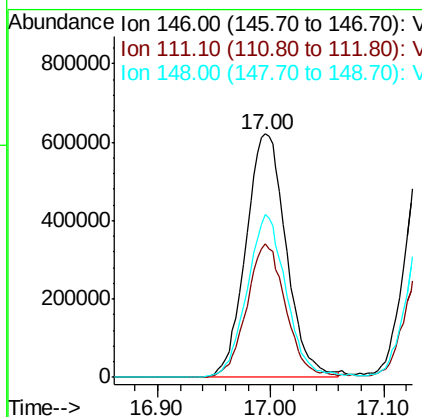
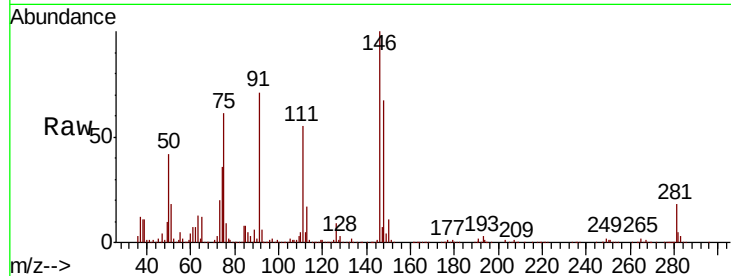
Time-->





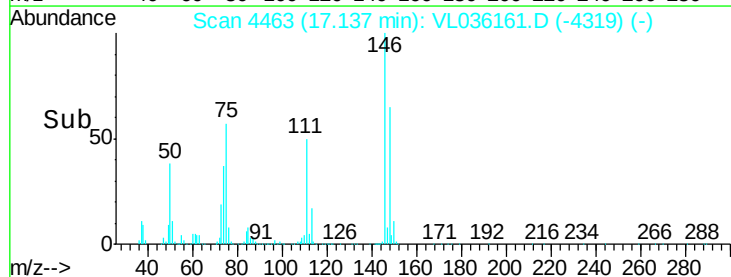
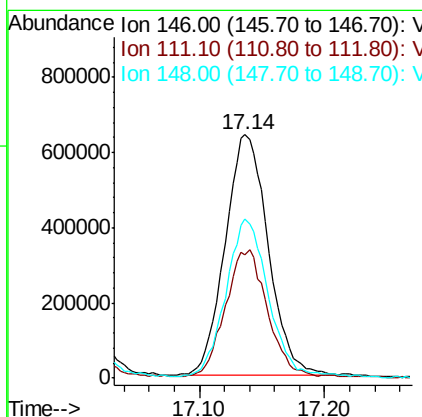
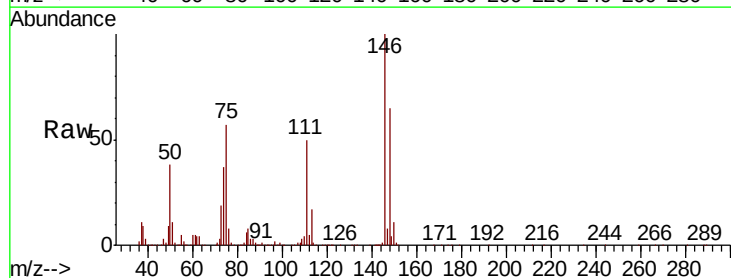
#75
 1,3-Dichlorobenzene
 Concen: 11.047 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

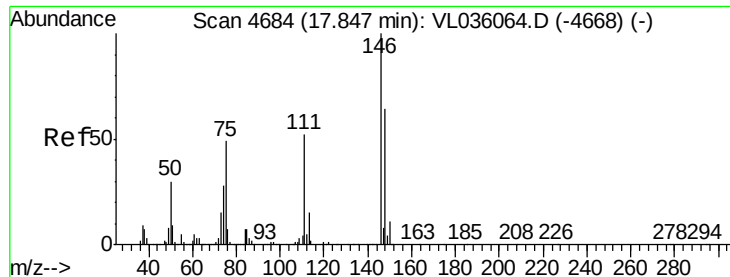
Tot Ion:146 Resp: 1539063
 Ion Ratio Lower Upper
 146 100
 111 53.3 25.1 75.3
 148 64.9 32.9 98.6



#76
 1,4-Dichlorobenzene
 Concen: 10.684 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.04 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

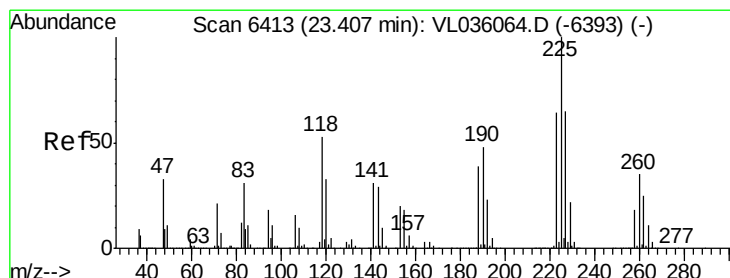
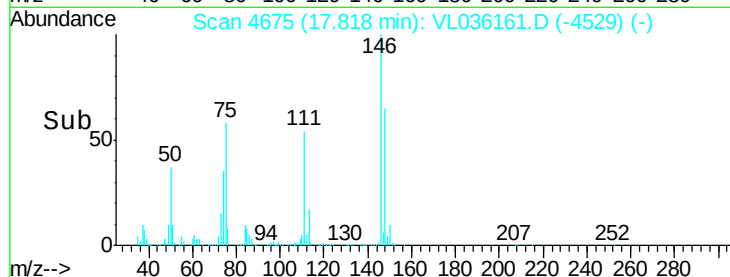
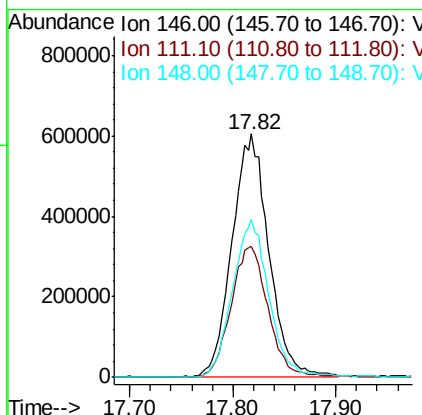
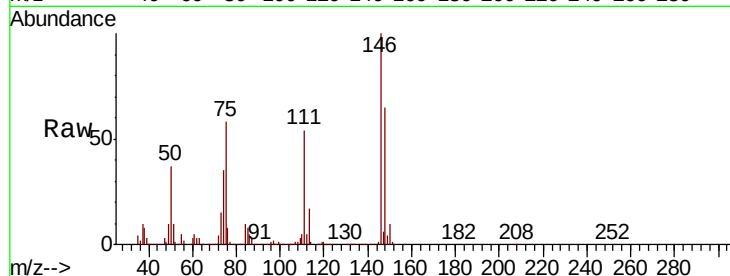
Tgt Ion:146 Resp: 1515435
 Ion Ratio Lower Upper
 146 100
 111 53.1 24.3 72.8
 148 65.9 32.8 98.3





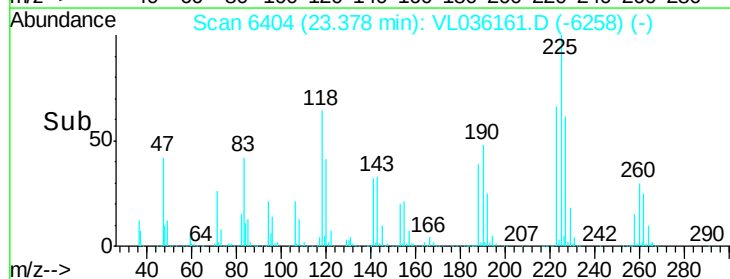
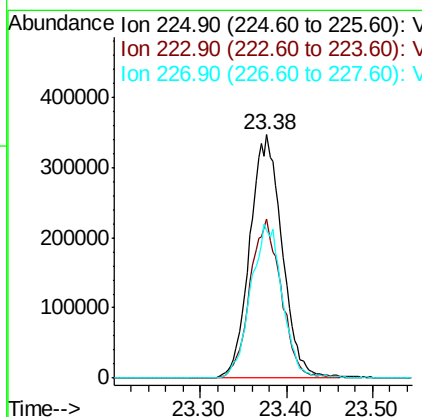
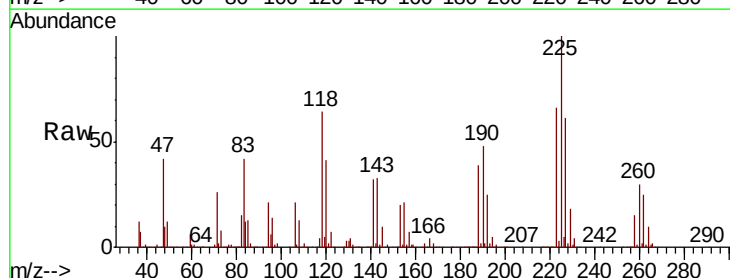
#77
 1,2-Dichlorobenzene
 Concen: 11.187 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

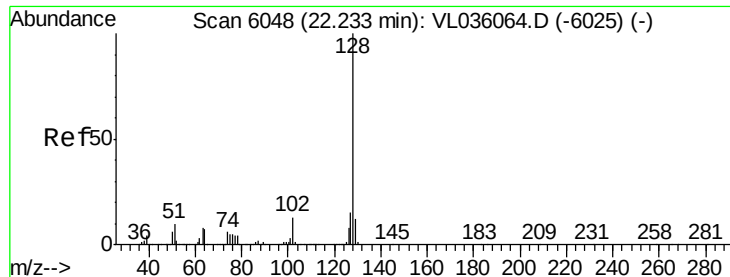
Tot Ion:146 Resp: 1488056
 Ion Ratio Lower Upper
 146 100
 111 55.3 26.1 78.2
 148 64.4 33.1 99.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.383 ppbv m
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion:225 Resp: 893752
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.1 76.7#
 227 62.3 51.7 77.5





#79

Naphthalene

Concen: 11.336 ppbv

RT: 22.19 min Scan# 6036

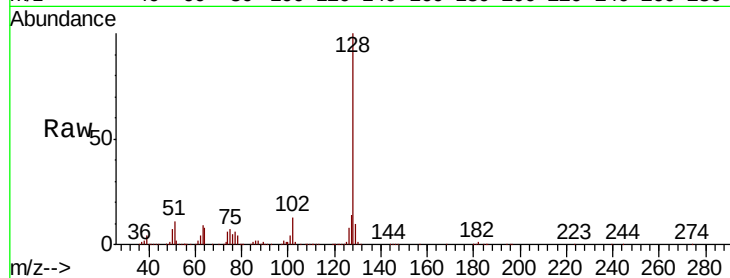
Delta R.T. -0.04 min

Lab File: VL036161.D

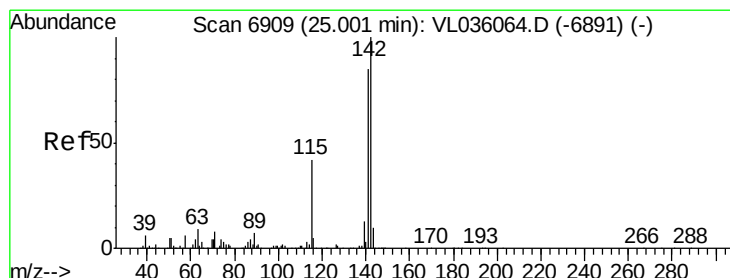
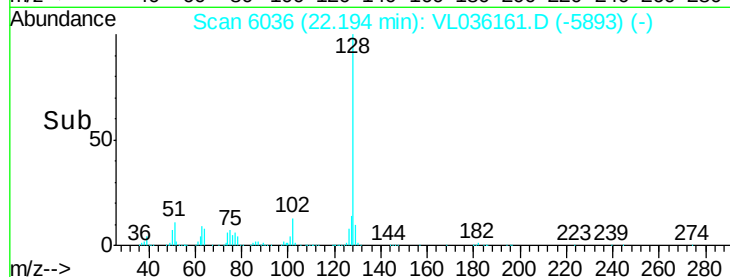
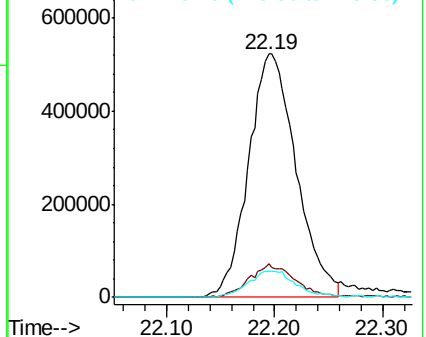
Acq: 11 Dec 2020 12:36

Tot Ion:128 Resp: 1603767

Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.7	17.5
129	10.4	9.3	13.9



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: 19.887 ppbv

RT: 24.98 min Scan# 6901

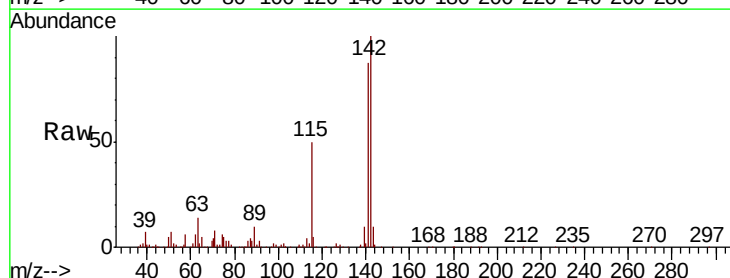
Delta R.T. -0.03 min

Lab File: VL036161.D

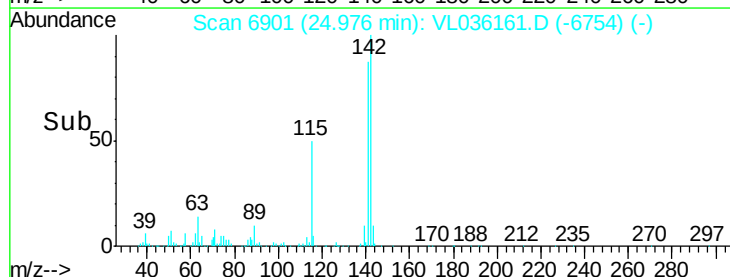
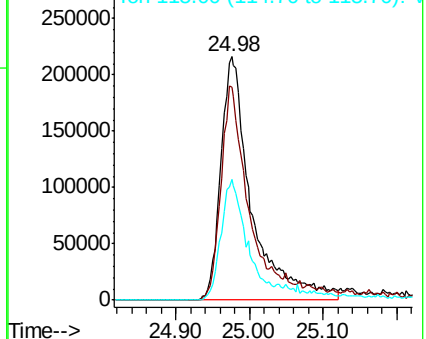
Acq: 11 Dec 2020 12:36

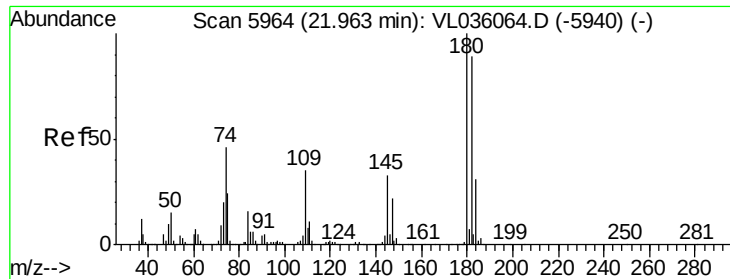
Tgt Ion:142 Resp: 629114

Ion	Ratio	Lower	Upper
142	100		
141	89.6	64.3	96.5
115	50.6	33.9	50.9



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: 9.546 ppbv

RT: 21.93 min Scan# 5953

Delta R.T. -0.04 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

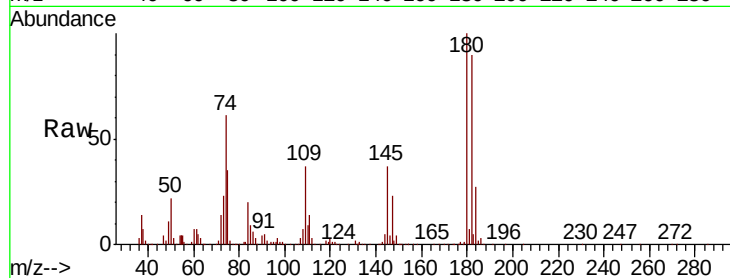
Tot Ion:180 Resp: 902230

Ion Ratio Lower Upper

180 100

182 99.1 0.0 0.0#

184 30.7 0.0 0.0#



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

