

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036154.D
 Acq On : 11 Dec 2020 7:59
 Operator : SY/AP
 Sample : L5005-01DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 12:13:17 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	5.65	49	1263439	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2535315	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2272428	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1995022	11.06	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	2561	0.017 ppbv	# 68
4) Chloromethane	3.12	50	1377	0.019 ppbv	98
5) Vinyl Chloride	3.24	62	132	0.002 ppbv	# 44
6) Bromomethane	3.47	94	110	0.003 ppbv	# 1
7) Chloroethane	3.55	64	364	0.014 ppbv	# 40
8) Dichlorotetrafluoroethane	3.08	85	30	0.000 ppbv	# 1
10) Heptane	8.10	43	320	0.002 ppbv	# 29
11) Trichlorofluoromethane	3.93	101	1048	0.006 ppbv	# 19
12) 1,1,2-Trichlorotrifluoroet	4.54	101	108	0.001 ppbv	87
13) Ethanol	3.60	45	151518m	15.221 ppbv	
14) Bromoethene	3.72	108	320	0.007 ppbv	# 4
15) Acetone	3.85	43	62218m	0.410 ppbv	
16) 1,3-Butadiene	3.32	39	1455	0.019 ppbv	# 11
17) tert-Butyl alcohol	4.30	59	229	0.002 ppbv	# 1
18) 1,1-Dichloroethene	4.27	96	168	0.003 ppbv	# 7
19) Isopropyl Alcohol	3.84	45	1356	0.015 ppbv	# 100
20) Methylene Chloride	4.33	84	11039m	0.177 ppbv	
21) Allyl Chloride	4.40	41	224	0.002 ppbv	# 18
22) trans-1,2-Dichloroethene	4.87	96	255	0.005 ppbv	# 1
23) Vinyl Acetate	5.06	43	880	0.004 ppbv	# 1
24) 1,1-Dichloroethane	5.00	63	135	0.001 ppbv	# 88
25) Ethyl Acetate	5.66	43	3329	0.011 ppbv	# 55
26) Hexane	5.66	57	2564	0.019 ppbv	# 41
27) Carbon Disulfide	4.54	76	329	0.002 ppbv	# 1
28) Methyl tert-Butyl Ether	5.02	73	329	0.002 ppbv	# 51
29) Chloroform	5.73	83	813	0.005 ppbv	# 35
30) Cyclohexane	7.11	84	176	0.002 ppbv	# 1
31) cis-1,2-Dichloroethene	5.53	61	415	0.003 ppbv	# 61
32) 1,1,1-Trichloroethane	6.49	97	161	0.001 ppbv	# 21
34) 2-Butanone	5.22	43	1090	0.006 ppbv	# 56
35) Carbon Tetrachloride	7.03	117	62	0.000 ppbv	# 13
36) Benzene	6.87	78	298	0.001 ppbv	# 1
37) 1,2-Dichloroethane	6.28	62	444	0.004 ppbv	# 83
38) Trichloroethene	7.81	130	124	0.002 ppbv	# 38
40) 1,4-Dioxane	7.81	88	31	0.001 ppbv	# 1
41) Tetrahydrofuran	6.01	42	229	0.002 ppbv	# 40
42) Bromodichloromethane	7.76	83	267	0.002 ppbv	# 64
43) Methyl Methacrylate	7.98	69	54	0.001 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.85	57	908	0.002 ppbv	# 1
45) t-1,3-Dichloropropene	9.26	75	114	0.001 ppbv	# 42
46) cis-1,3-Dichloropropene	8.68	75	167	0.001 ppbv	# 29

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 Misc : 400ml/MSVOA L
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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

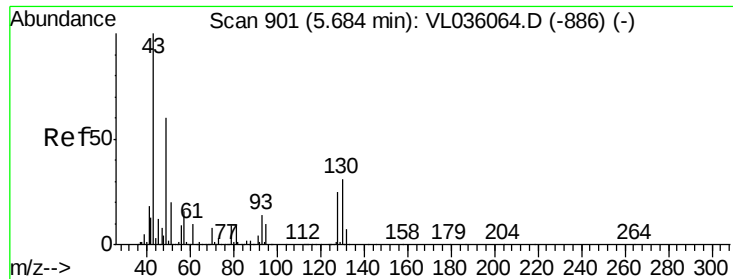
QLast Update : Mon Dec 07 16:56:49 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

47) 1,1,2-Trichloroethane	9.44	97	272	0.003	ppbv	# 14
48) Dibromochloromethane	10.27	129	48	0.000	ppbv	# 10
49) Bromoform	13.01	173	79	0.001	ppbv	# 26
50) 4-Methyl-2-Pentanone	8.73	43	223	0.001	ppbv	# 40
51) 2-Hexanone	10.14	43	423	0.002	ppbv	# 29
52) Tetrachloroethene	11.18	164	111	0.001	ppbv	# 18
53) Toluene	9.36	91	148	0.001	ppbv	100
54) 1,2-Dibromoethane	10.56	107	41	0.000	ppbv	# 2
56) 1,1,1,2-Tetrachloroethane	12.12	131	163	0.002	ppbv	# 8
57) Chlorobenzene	12.14	112	285	0.002	ppbv	# 21
58) Ethyl Benzene	12.69	91	582	0.002	ppbv	# 86
59) m/p-Xylene	12.98	91	284	0.001	ppbv	# 34
60) o-Xylene	13.66	91	511	0.002	ppbv	80
61) Styrene	13.21	104	179	0.001	ppbv	89
62) Isopropylbenzene	14.41	105	966	0.003	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.66	83	352	0.002	ppbv	# 25
64) n-propylbenzene	15.20	120	75	0.001	ppbv	82
65) tert-Butylbenzene	16.72	119	131	0.000	ppbv	# 1
66) Benzyl Chloride	16.95	91	59	0.001	ppbv	# 1
67) sec-Butylbenzene	17.27	105	30	0.000	ppbv	# 60
69) p-Isopropyltoluene	17.62	119	192	0.001	ppbv	# 1
70) n-Butylbenzene	18.51	91	152	0.000	ppbv	# 33
71) 2-Chlorotoluene	15.58	91	528	0.002	ppbv	79
72) 4-Ethyltoluene	15.82	105	164	0.001	ppbv	# 55
73) 1,3,5-Trimethylbenzene	15.96	105	138	0.001	ppbv	# 32
74) 1,2,4-Trimethylbenzene	16.73	105	139	0.001	ppbv	# 42
75) 1,3-Dichlorobenzene	16.98	146	98	0.001	ppbv	# 1
76) 1,4-Dichlorobenzene	17.11	146	263	0.002	ppbv	# 22
77) 1,2-Dichlorobenzene	17.82	146	353	0.003	ppbv	64
78) Hexachloro-1,3-Butadiene	23.36	225	229	0.002	ppbv	# 3
79) Naphthalene	22.15	128	161	0.001	ppbv	# 67
80) Naphthalene,2-methyl-	25.05	142	78	0.003	ppbv	# 29
81) 1,2,4-Trichlorobenzene	21.92	180	100	0.001	ppbv	# 100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.04 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

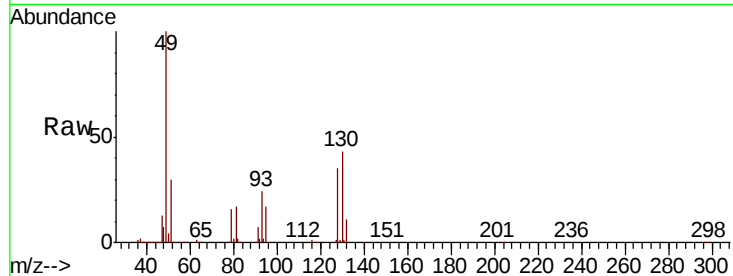
Tot Ion: 49 Resp: 1263439

Ion Ratio Lower Upper

49 100

128 36.4 21.1 63.1

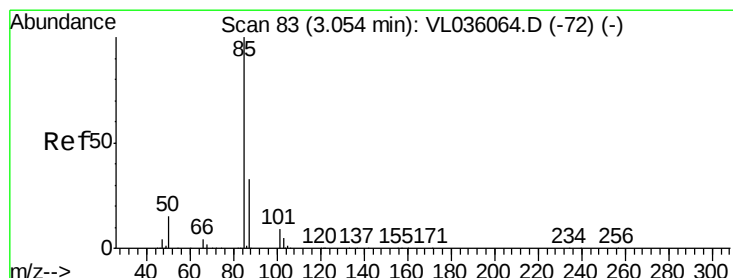
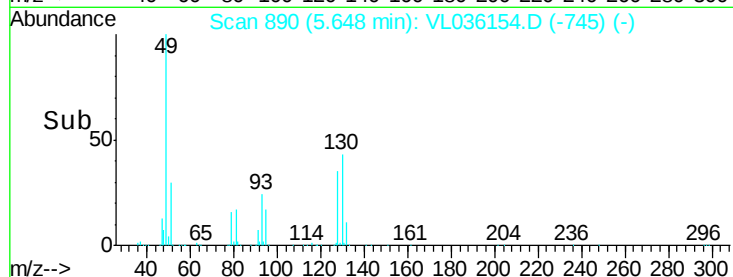
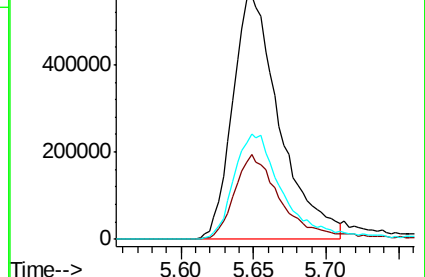
130 46.5 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.017 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL036154.D

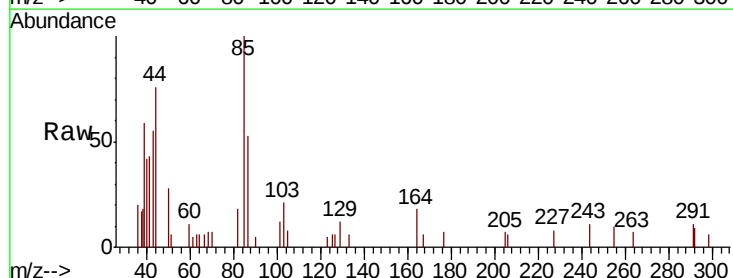
Acq: 11 Dec 2020 7:59

Tgt Ion: 85 Resp: 2561

Ion Ratio Lower Upper

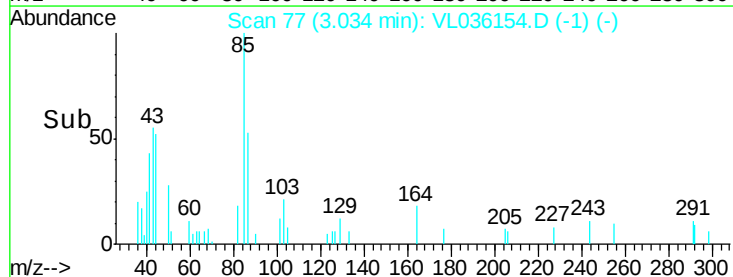
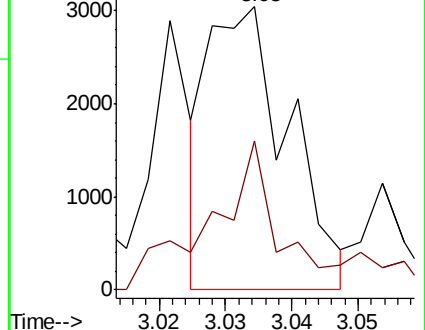
85 100

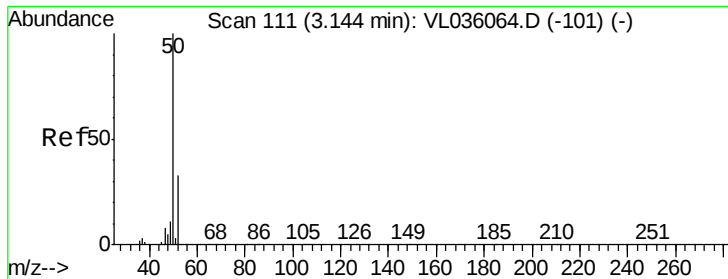
87 51.1 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.019 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036154.D

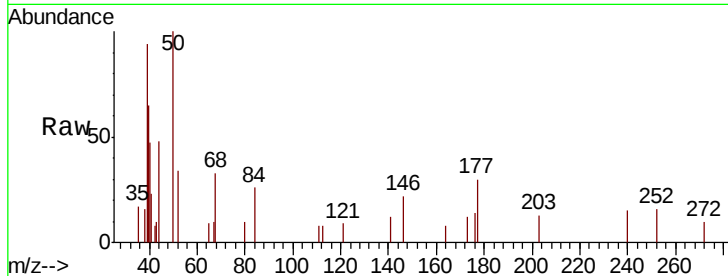
Acq: 11 Dec 2020 7:59

Tot Ion: 50 Resp: 1377

Ion Ratio Lower Upper

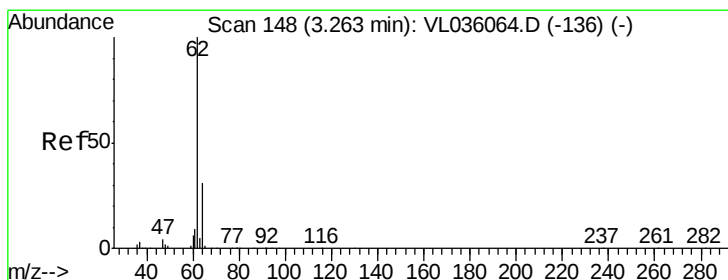
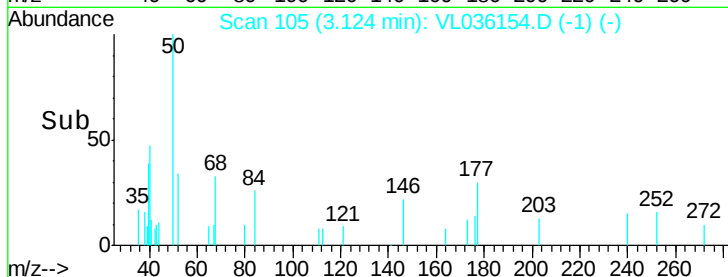
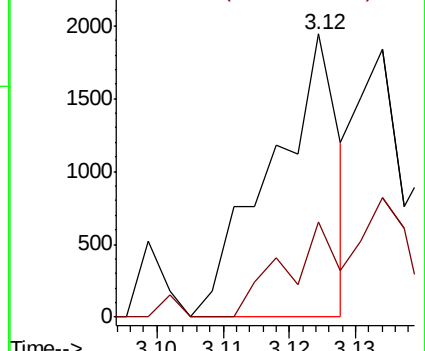
50 100

52 33.6 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#5

Vinyl Chloride

Concen: 0.002 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.03 min

Lab File: VL036154.D

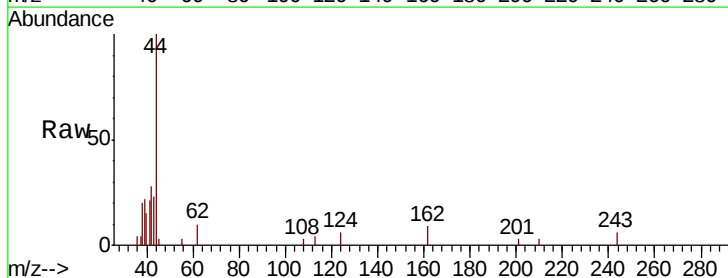
Acq: 11 Dec 2020 7:59

Tgt Ion: 62 Resp: 132

Ion Ratio Lower Upper

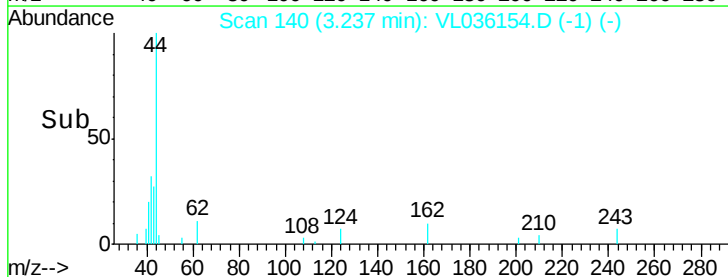
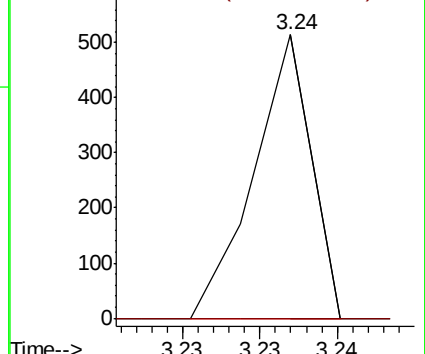
62 100

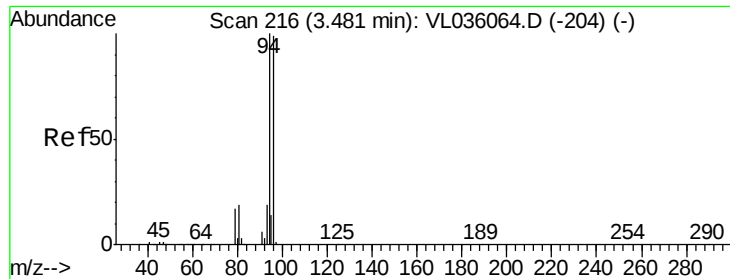
64 0.0 24.5 36.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#6

Bromomethane

Concen: 0.003 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL036154.D

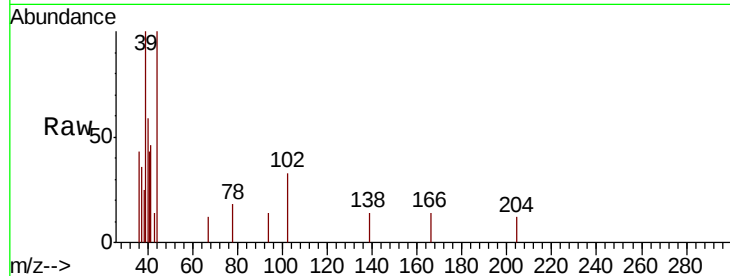
Acq: 11 Dec 2020 7:59

Tot Ion: 94 Resp: 110

Ion Ratio Lower Upper

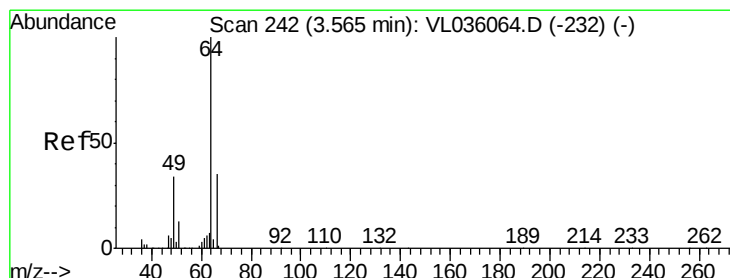
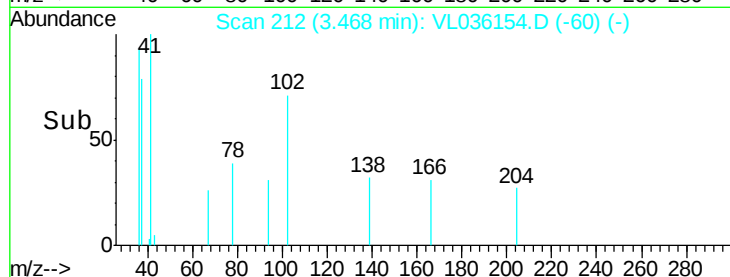
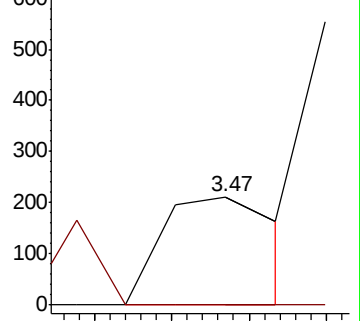
94 100

96 0.0 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: 0.014 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL036154.D

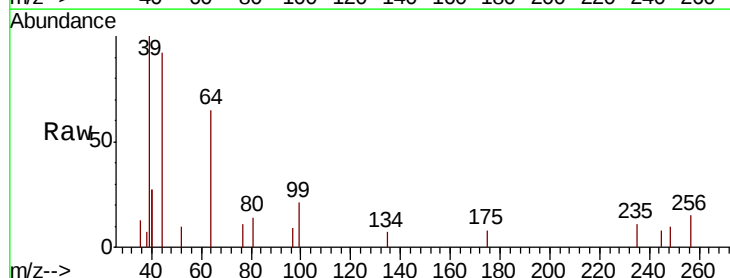
Acq: 11 Dec 2020 7:59

Tgt Ion: 64 Resp: 364

Ion Ratio Lower Upper

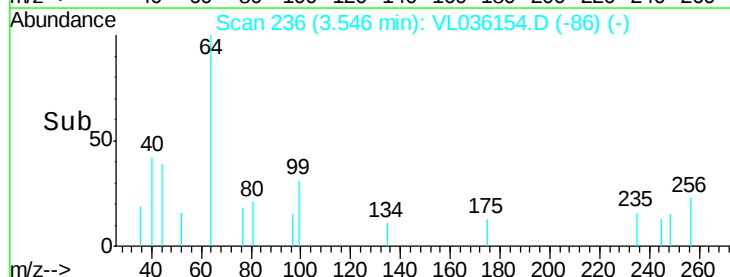
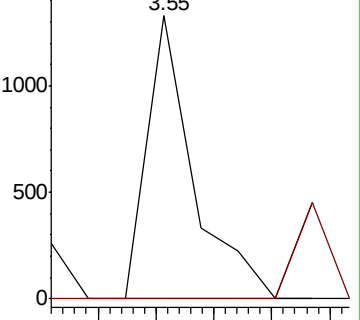
64 100

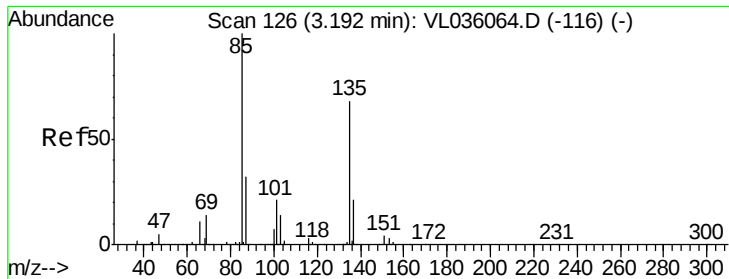
66 0.0 27.7 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.000 ppbv

RT: 3.08 min Scan# 90

Delta R.T. -0.12 min

Lab File: VL036154.D

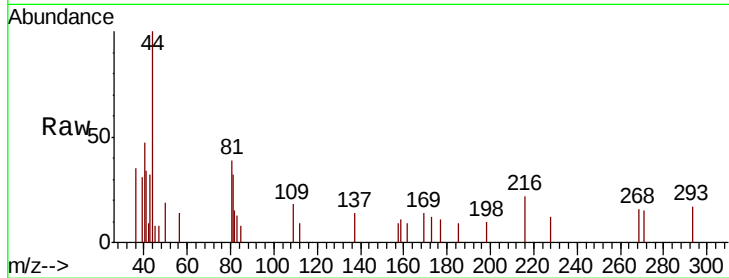
Acq: 11 Dec 2020 7:59

Tot Ion: 85 Resp: 30

Ion Ratio Lower Upper

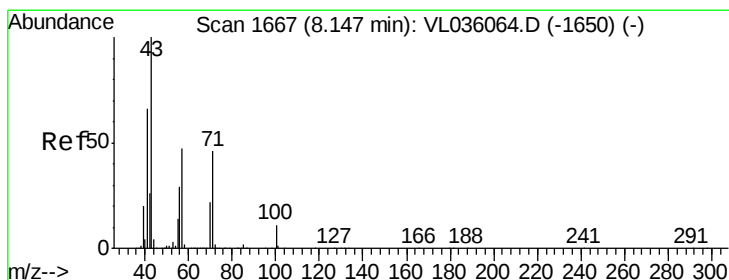
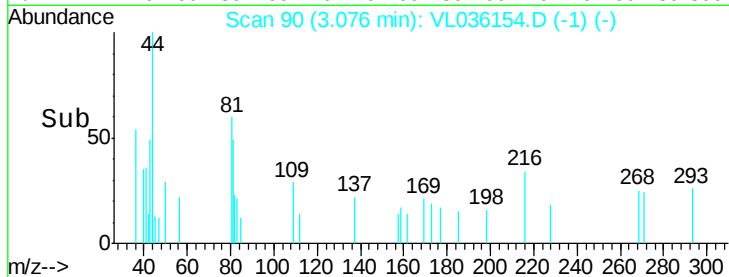
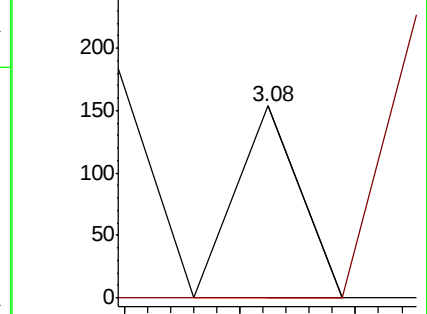
85 100

135 396.7 53.8 80.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#10

Heptane

Concen: 0.002 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.05 min

Lab File: VL036154.D

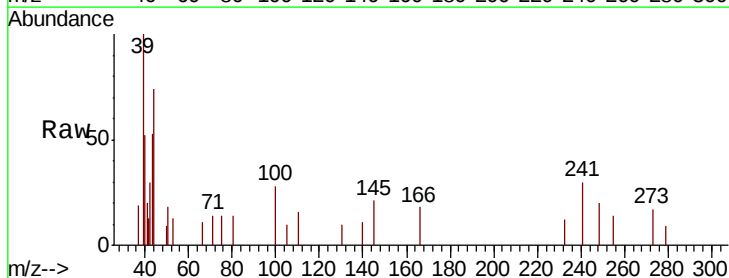
Acq: 11 Dec 2020 7:59

Tgt Ion: 43 Resp: 320

Ion Ratio Lower Upper

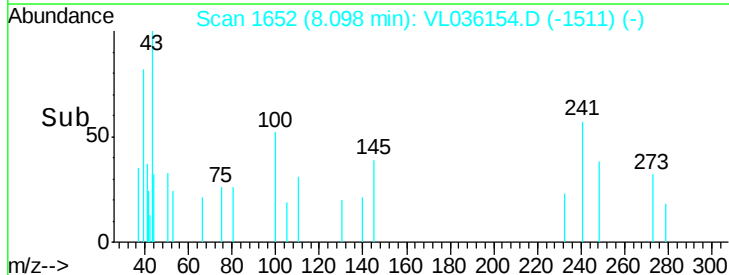
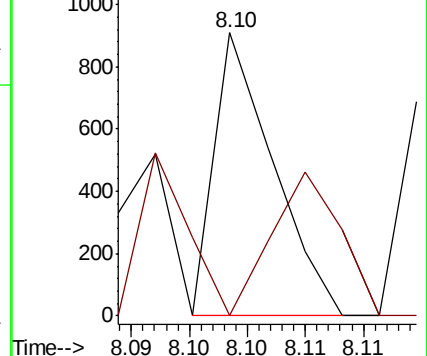
43 100

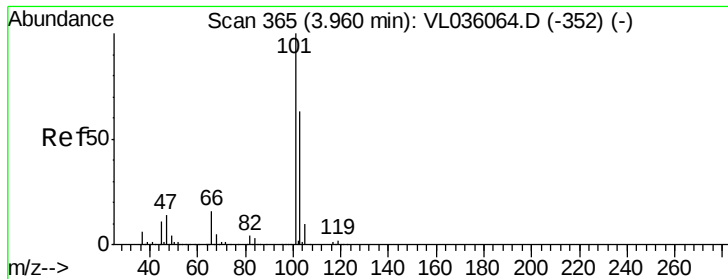
57 0.0 37.9 56.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

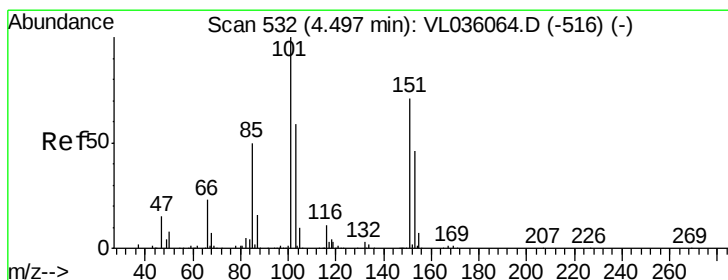
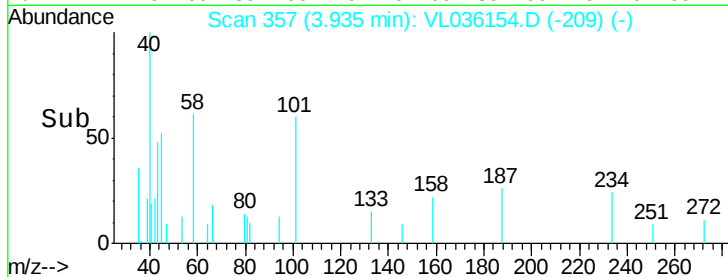
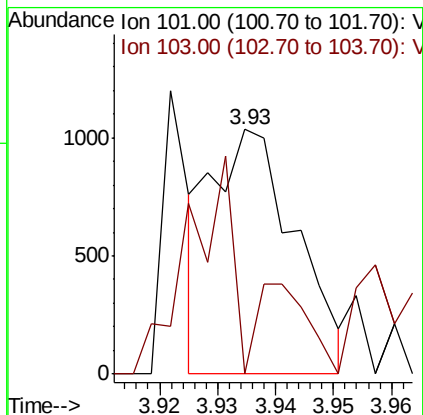
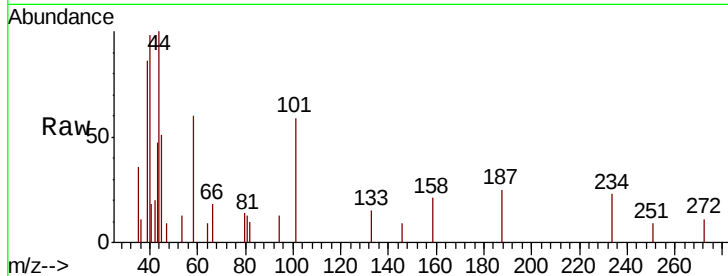
Ion 57.10 (56.80 to 57.80): VL0





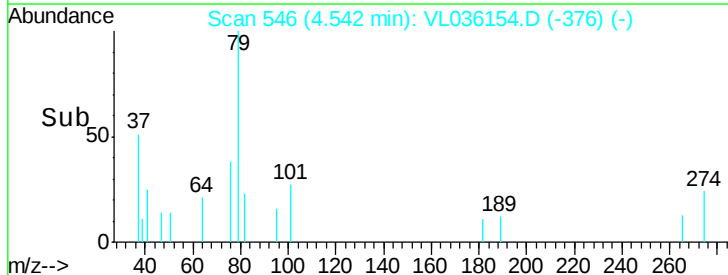
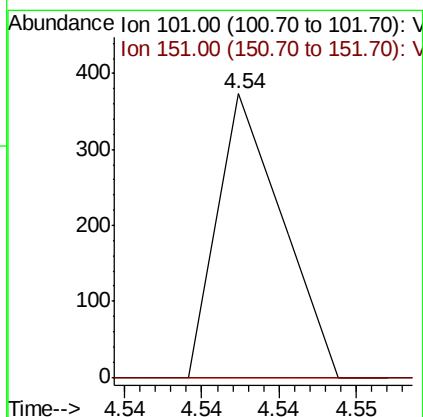
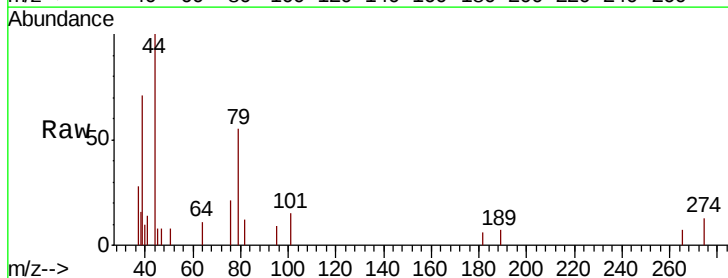
#11
 Trichlorofluoromethane
 Concen: 0.006 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.03 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

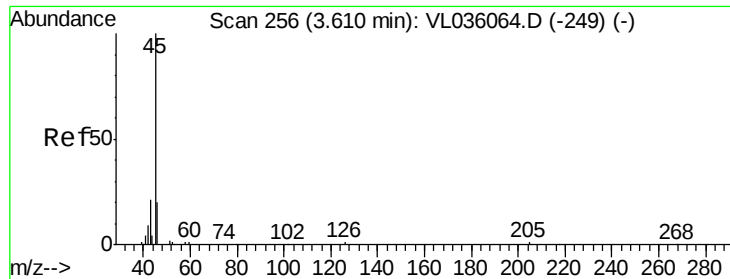
Tot Ion:101 Resp: 1048
 Ion Ratio Lower Upper
 101 100
 103 0.0 50.3 75.5#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.001 ppbv
 RT: 4.54 min Scan# 546
 Delta R.T. 0.05 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

Tgt Ion:101 Resp: 108
 Ion Ratio Lower Upper
 101 100
 151 63.0 59.3 88.9





#13

Ethanol

Concen: 15.221 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036154.D

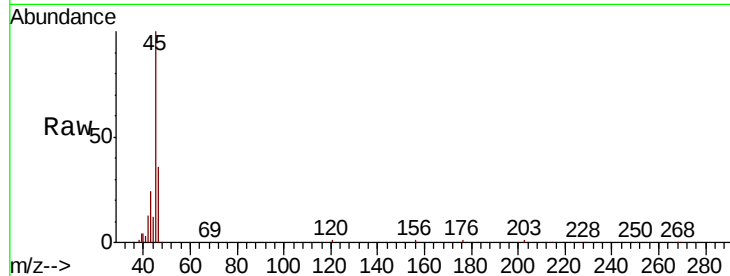
Acq: 11 Dec 2020 7:59

Tot Ion: 45 Resp: 151518

Ion Ratio Lower Upper

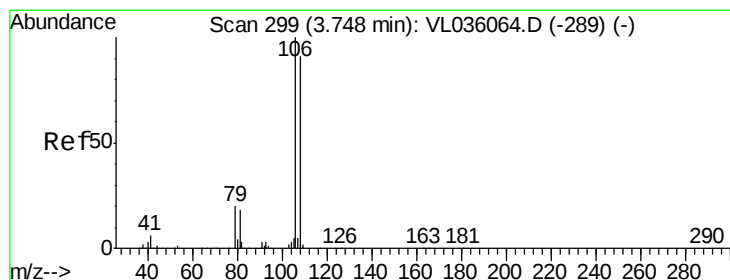
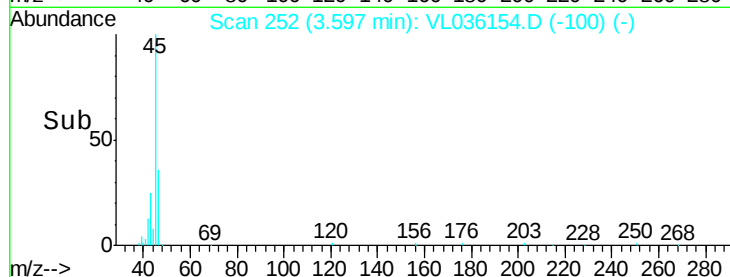
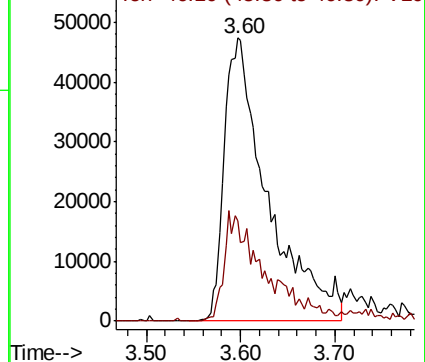
45 100

46 36.3 19.0 75.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.007 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.03 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

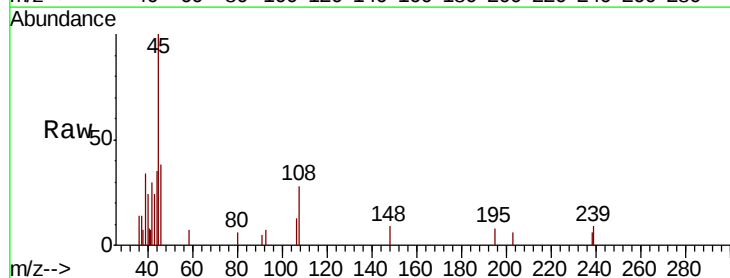
Tgt Ion: 108 Resp: 320

Ion Ratio Lower Upper

108 100

106 0.0 91.0 136.4#

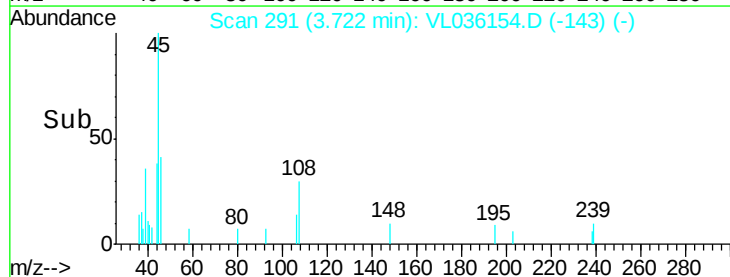
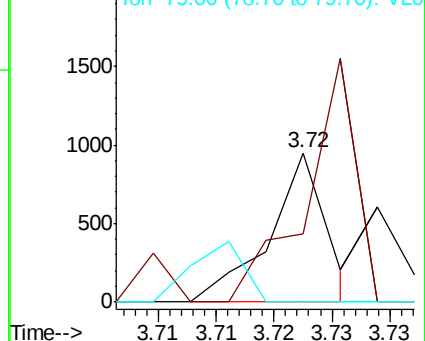
79 0.0 19.3 28.9#

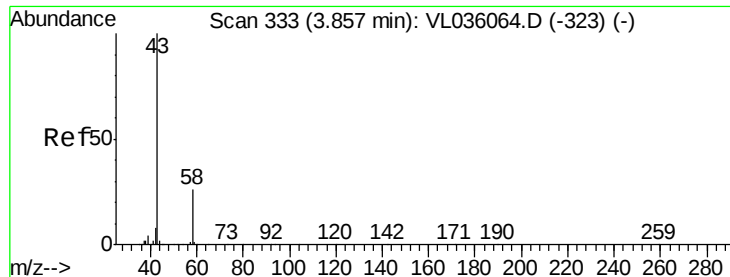


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.410 ppbv m

RT: 3.85 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL036154.D

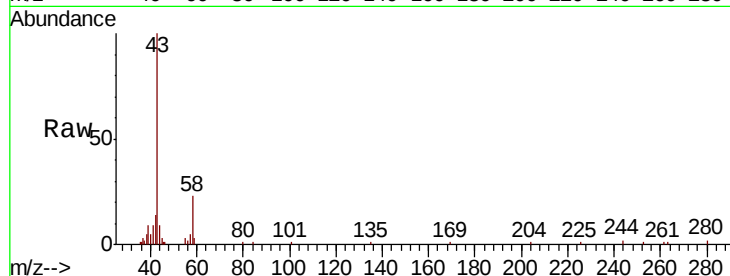
Acq: 11 Dec 2020 7:59

Tot Ion: 43 Resp: 62218

Ion Ratio Lower Upper

43 100

58 0.0 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

30000

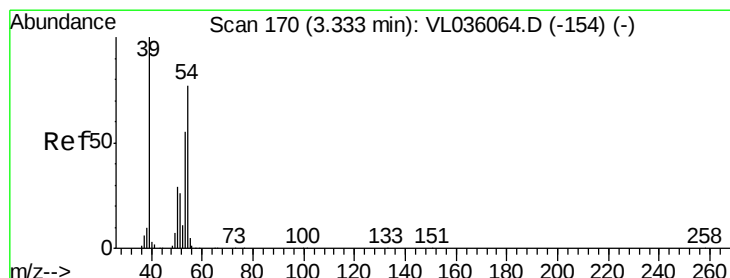
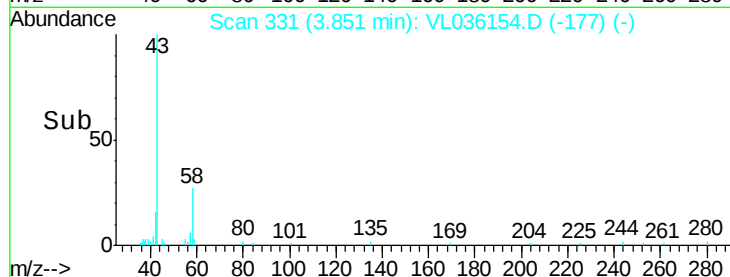
20000

10000

0

Time-->

3.75 3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 0.019 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL036154.D

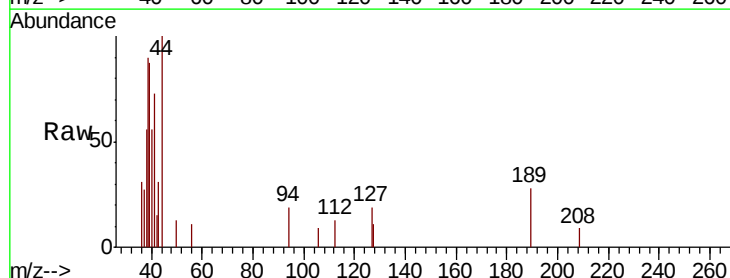
Acq: 11 Dec 2020 7:59

Tgt Ion: 39 Resp: 1455

Ion Ratio Lower Upper

39 100

54 0.0 62.1 93.1#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

3000

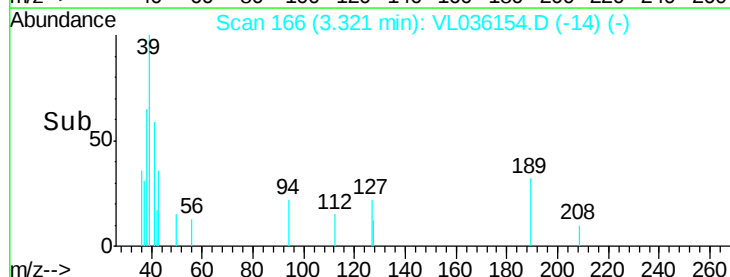
2000

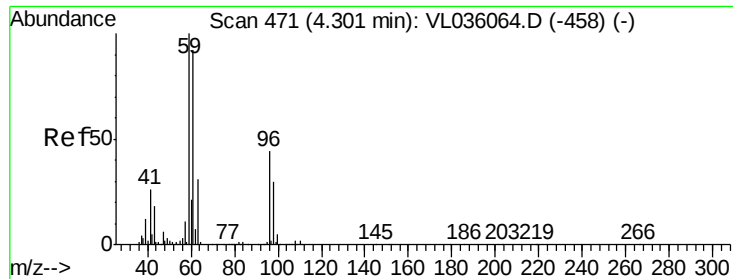
1000

0

Time-->

3.30 3.31 3.32 3.33

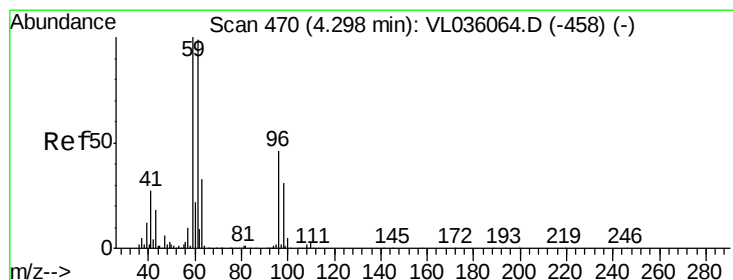
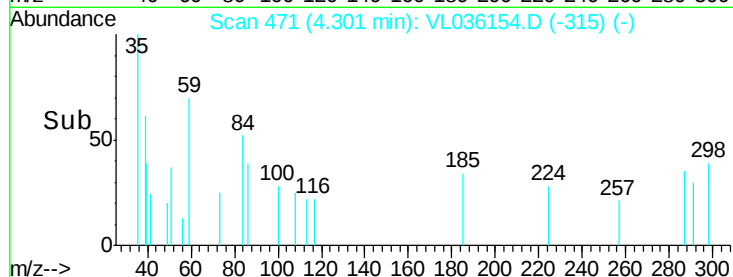
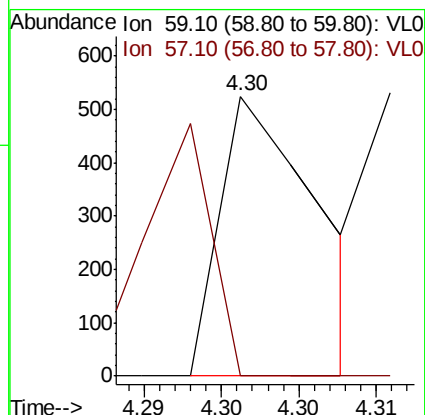
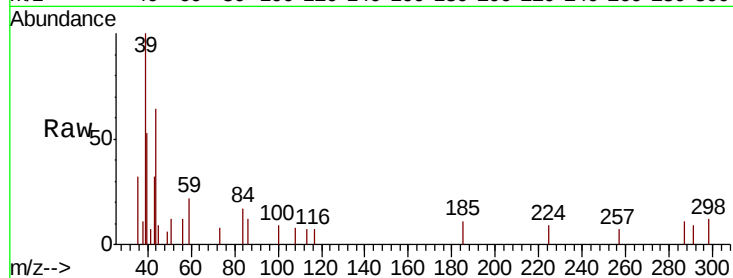




#17

tert-Butyl alcohol
Concen: 0.002 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.00 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

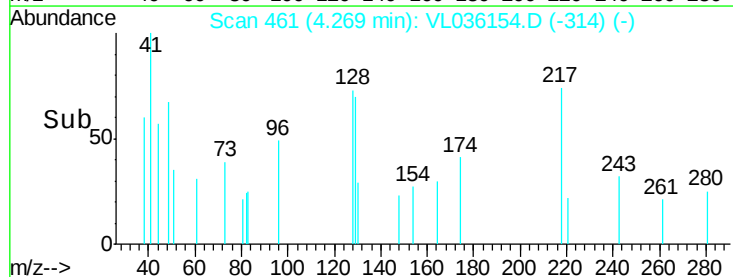
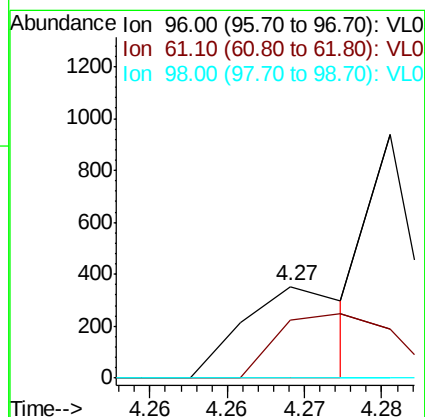
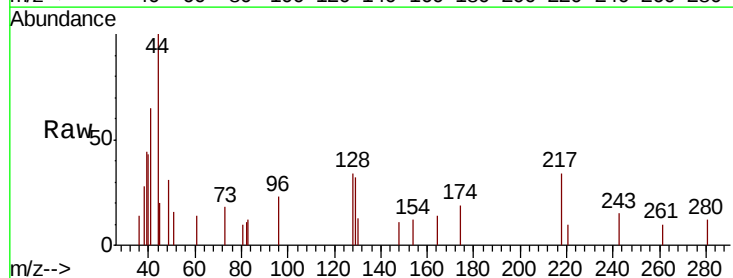
Tot Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 61.1 8.7 13.1#

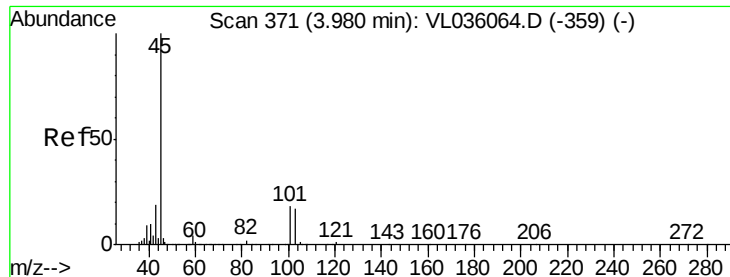


#18

1,1-Dichloroethene
Concen: 0.003 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.03 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion: 96 Resp: 168
Ion Ratio Lower Upper
96 100
61 63.7 171.4 257.2#
98 0.0 54.2 81.2#





#19

Isopropyl Alcohol

Concen: 0.015 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.14 min

Lab File: VL036154.D

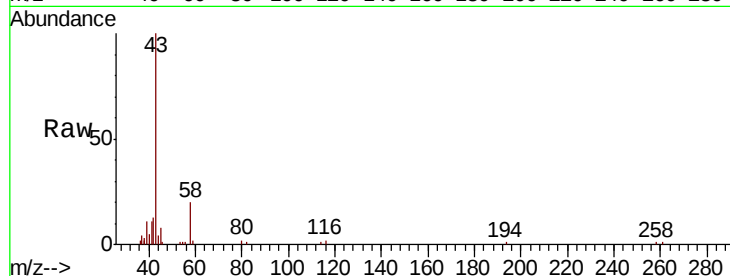
Acq: 11 Dec 2020 7:59

Tot Ion: 45 Resp: 1356

Ion Ratio Lower Upper

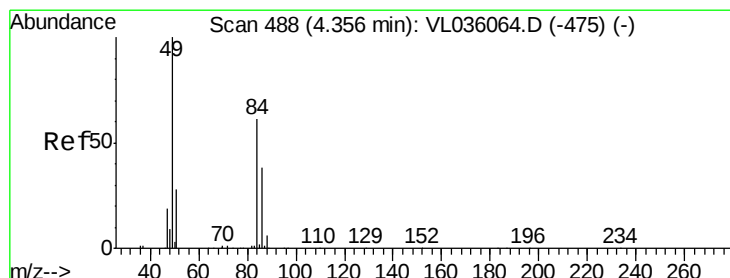
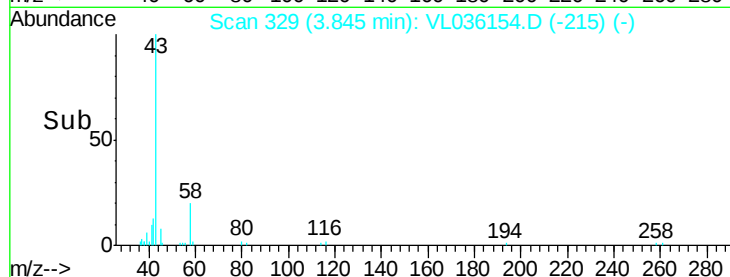
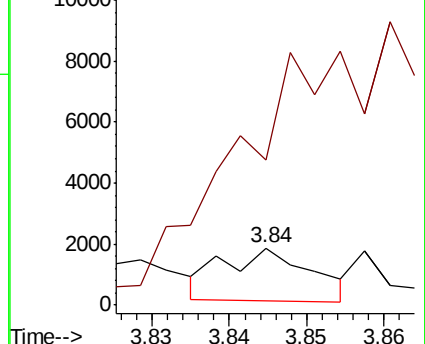
45 100

58 1779.4 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.177 ppbv m

RT: 4.33 min Scan# 479

Delta R.T. -0.03 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tgt Ion: 84 Resp: 11039

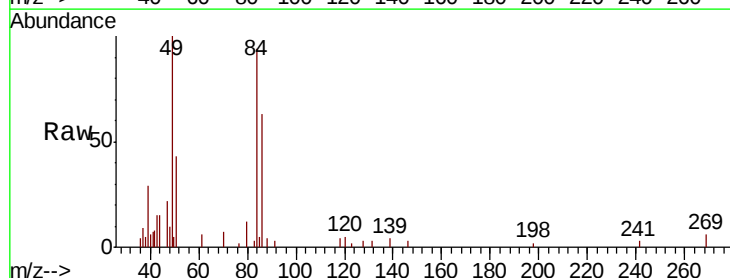
Ion Ratio Lower Upper

84 100

49 106.6 133.0 199.4#

51 45.7 38.9 58.3

86 67.0 48.8 73.2

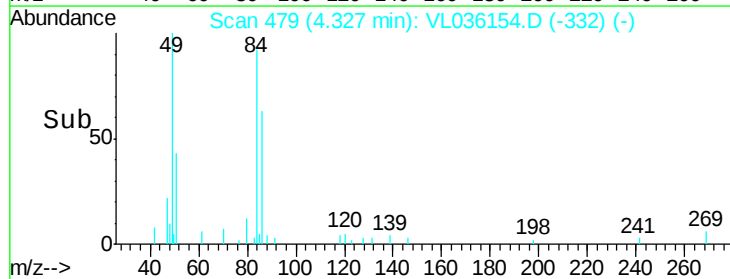
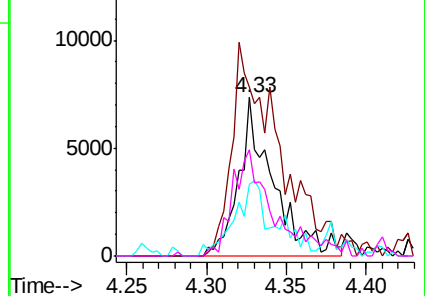


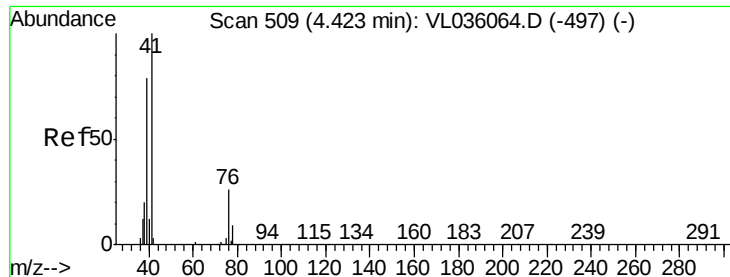
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 0.002 ppbv

RT: 4.40 min Scan# 501

Delta R.T. -0.03 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

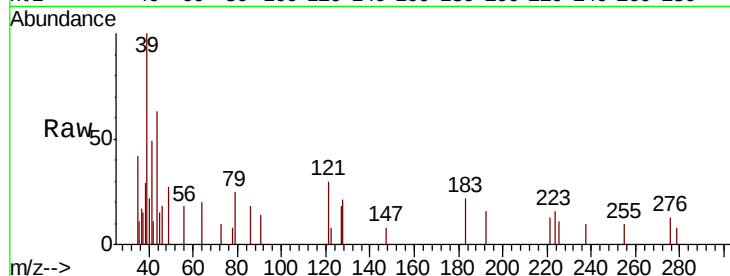
Tot Ion: 41 Resp: 224

Ion Ratio Lower Upper

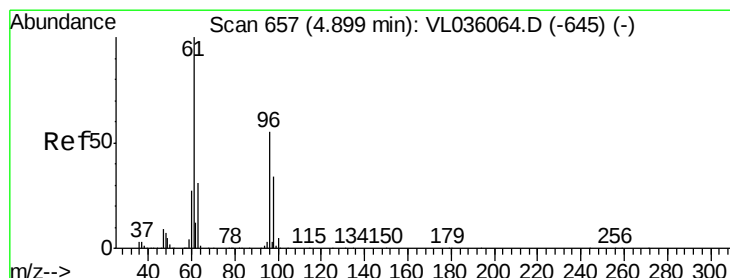
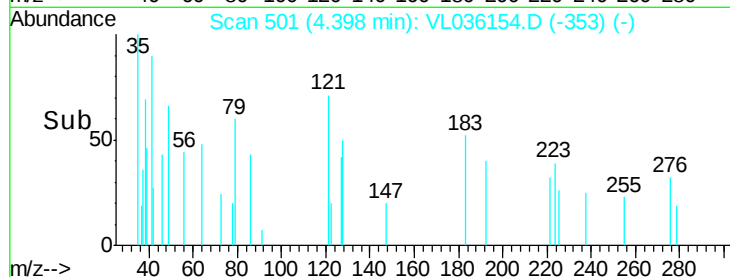
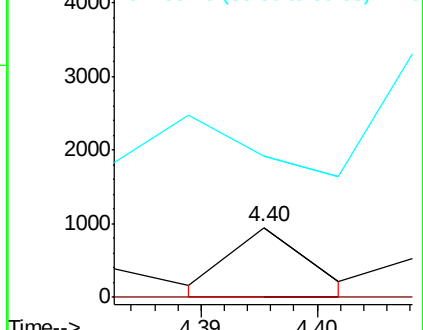
41 100

76 0.0 21.0 31.4#

39 0.0 66.0 99.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.005 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.03 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

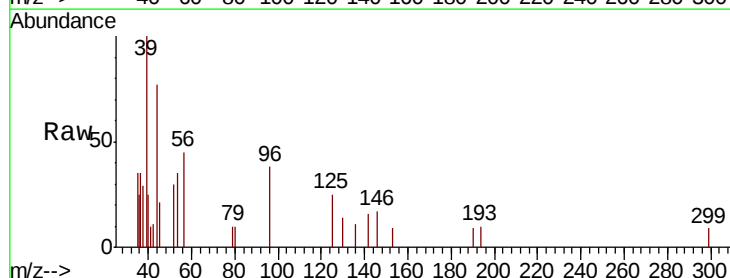
Tgt Ion: 96 Resp: 255

Ion Ratio Lower Upper

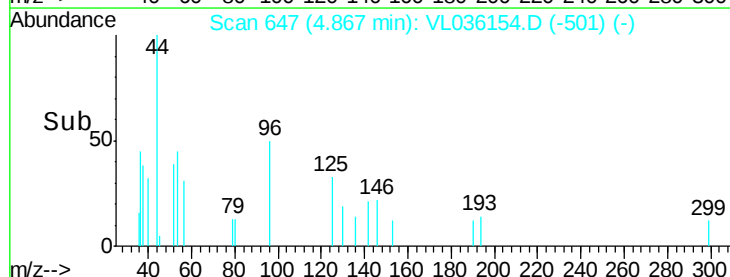
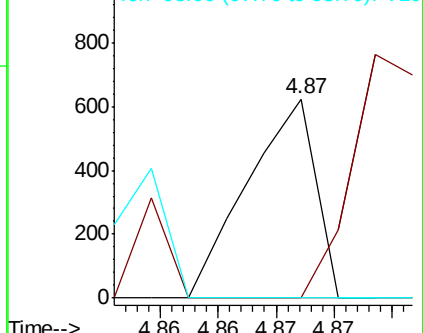
96 100

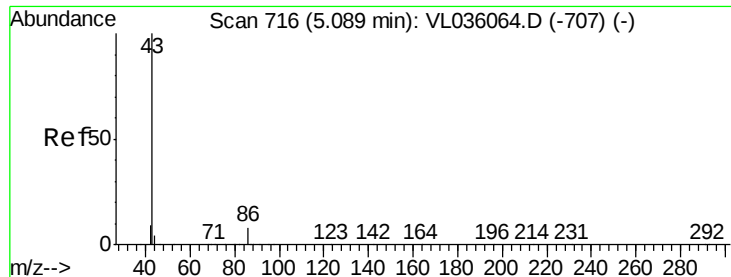
61 0.0 145.7 218.5#

98 0.0 49.2 73.8#



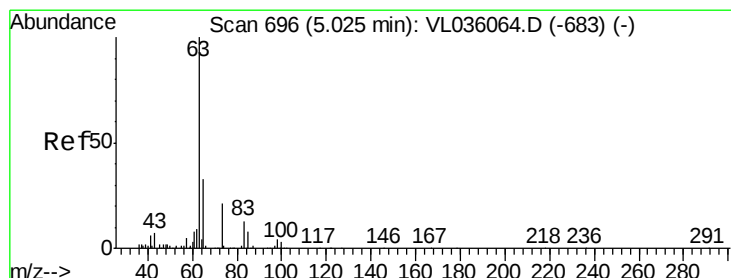
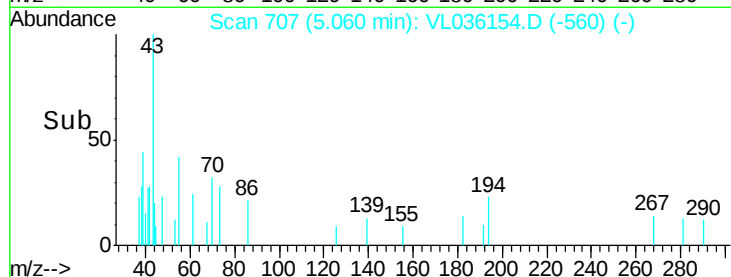
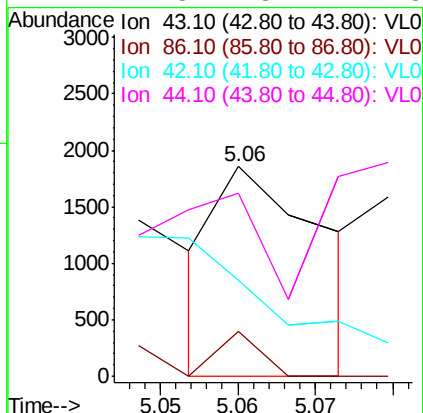
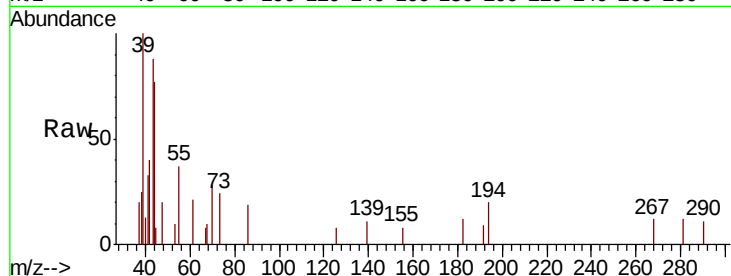
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





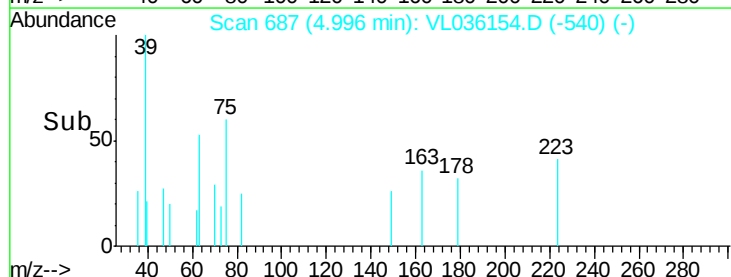
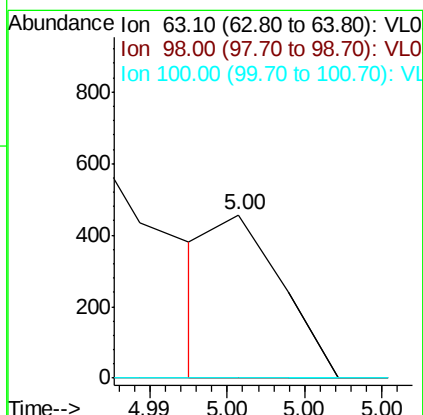
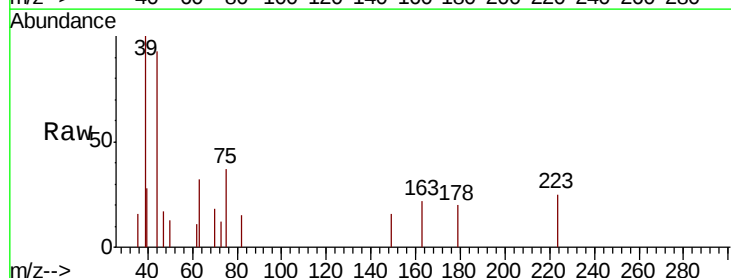
#23
 Vinyl Acetate
 Concen: 0.004 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

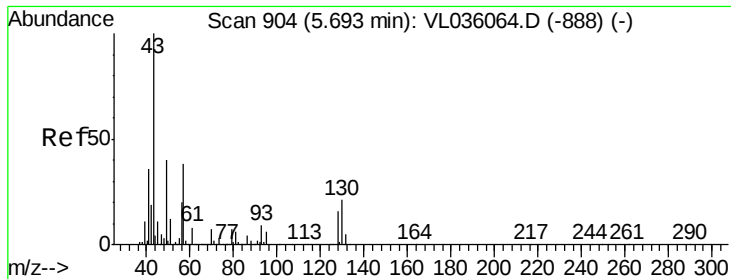
Tot Ion:	43	Resp:	880
Ion	Ratio	Lower	Upper
43	100		
86	53.6	5.0	7.4#
42	48.7	7.8	11.6#
44	41.8	3.2	4.8#



#24
 1,1-Dichloroethane
 Concen: 0.001 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

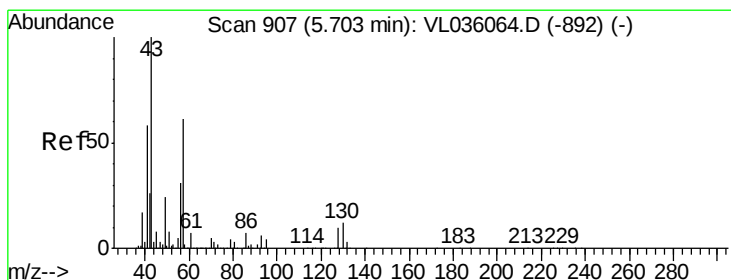
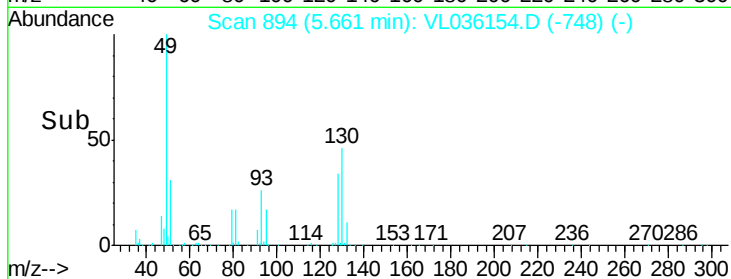
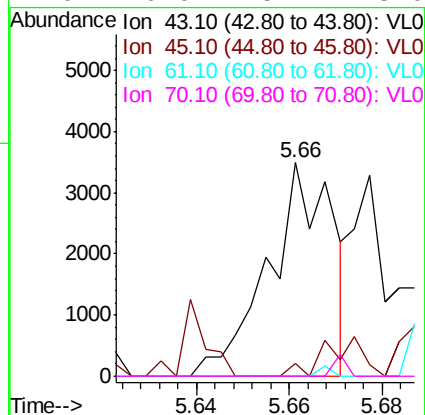
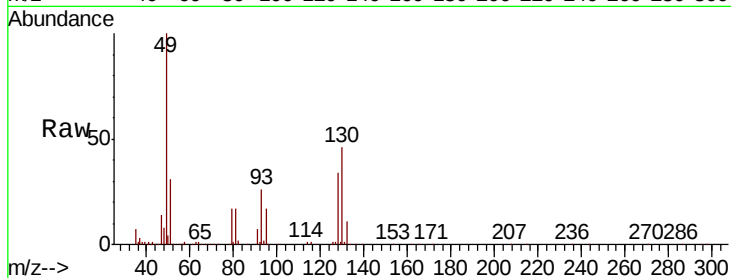
Tgt Ion:	63	Resp:	135
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.5	4.4#





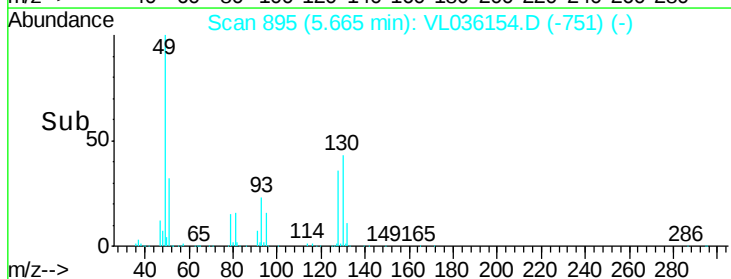
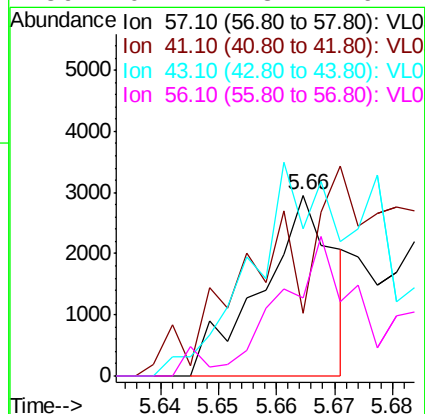
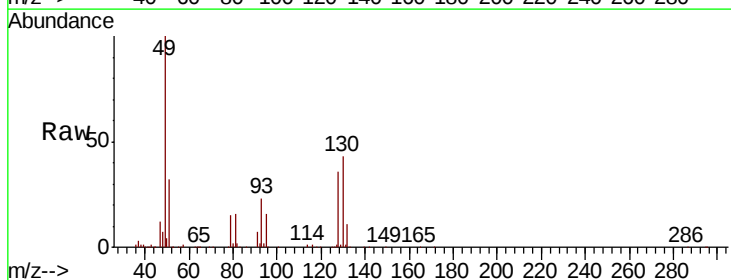
#25
Ethyl Acetate
Concen: 0.011 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

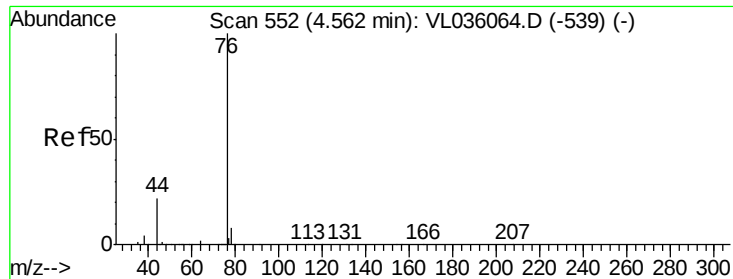
Tot Ion:	43	Resp:	3329
Ion	Ratio	Lower	Upper
43	100		
45	40.0	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.019 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion:	57	Resp:	2564
Ion	Ratio	Lower	Upper
57	100		
41	298.5	82.9	124.3#
43	252.2	199.9	299.9
56	107.2	43.1	64.7#





#27

Carbon Disulfide

Concen: 0.002 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

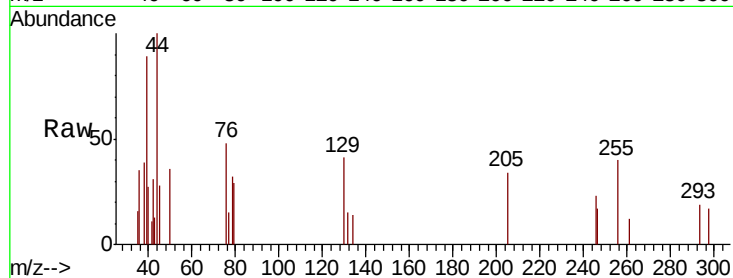
Tot Ion: 76 Resp: 329

Ion Ratio Lower Upper

76 100

44 535.6 17.9 26.9#

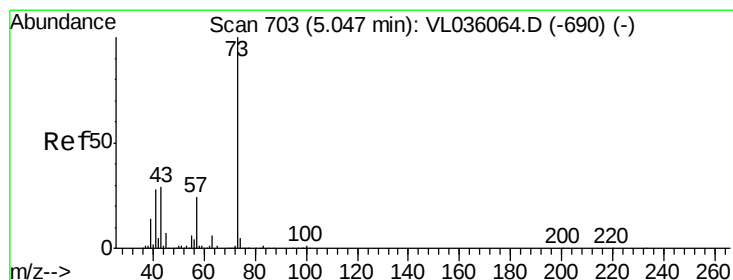
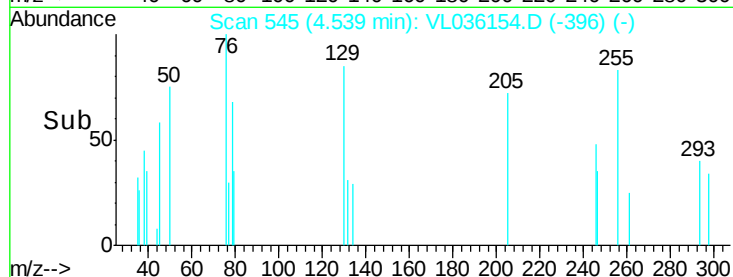
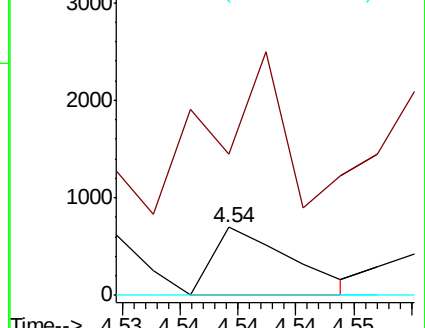
78 0.0 7.8 11.8#



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: 0.002 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL036154.D

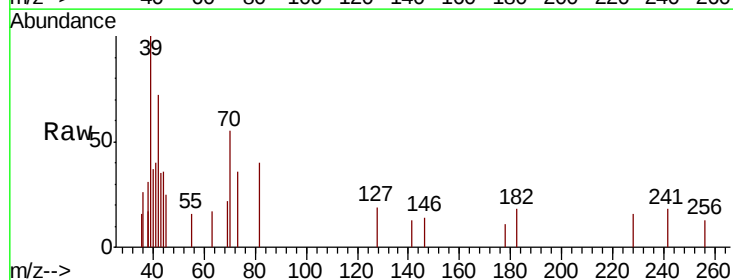
Acq: 11 Dec 2020 7:59

Tgt Ion: 73 Resp: 329

Ion Ratio Lower Upper

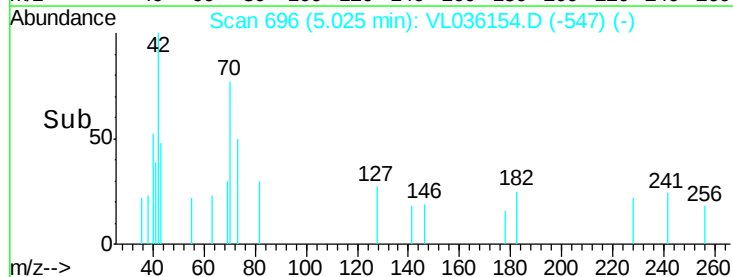
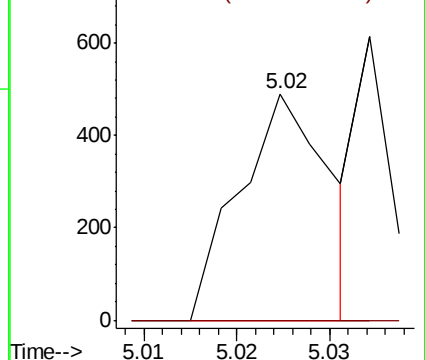
73 100

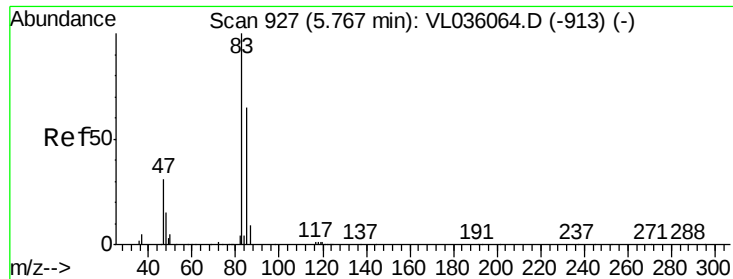
57 0.0 19.2 28.8#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.005 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.04 min

Lab File: VL036154.D

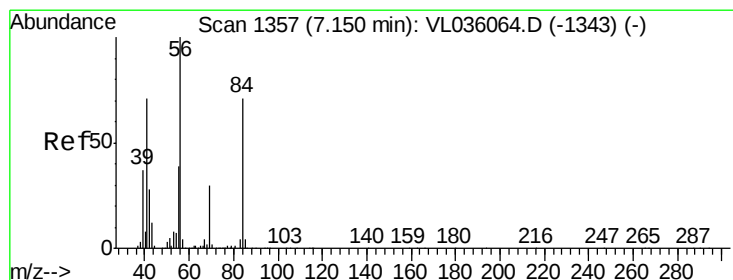
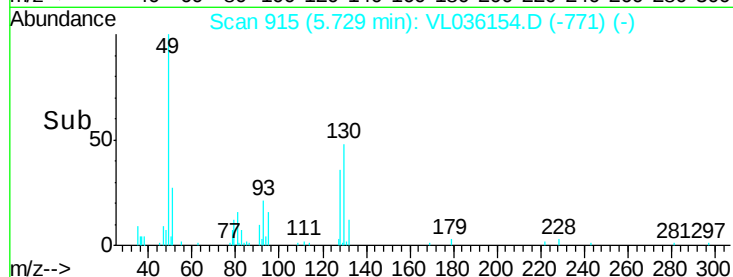
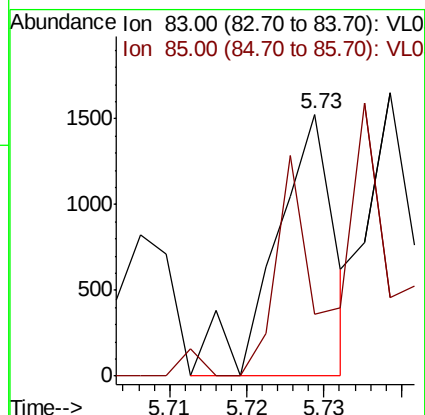
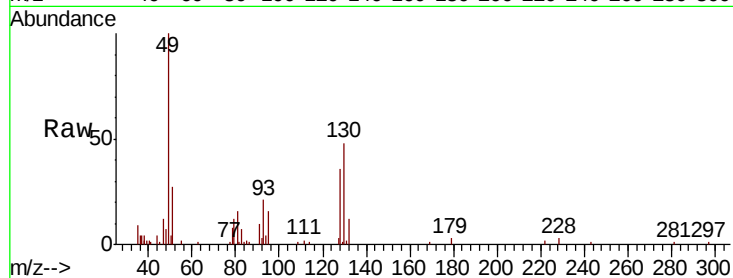
Acq: 11 Dec 2020 7:59

Tot Ion: 83 Resp: 813

Ion Ratio Lower Upper

83 100

85 13.4 51.8 77.6#



#30

Cyclohexane

Concen: 0.002 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. -0.04 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

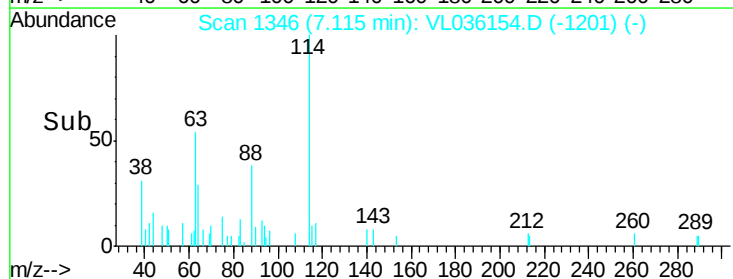
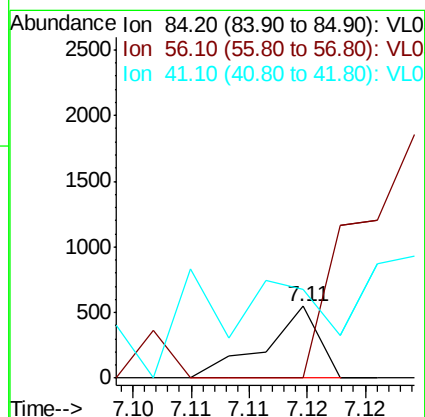
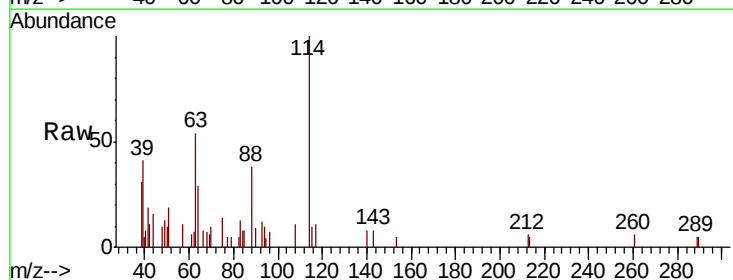
Tgt Ion: 84 Resp: 176

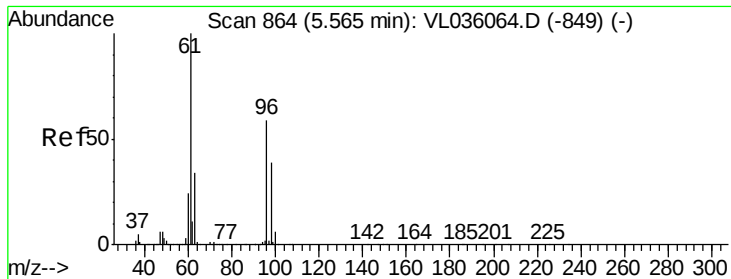
Ion Ratio Lower Upper

84 100

56 0.0 128.0 192.0#

41 0.0 81.3 121.9#

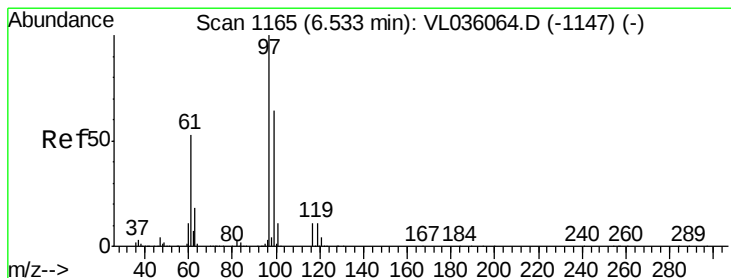
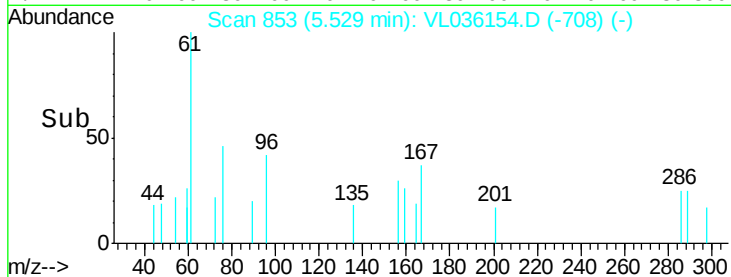
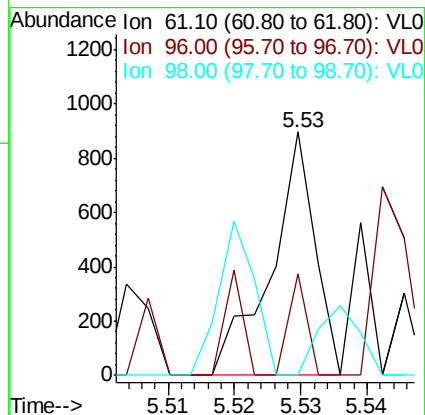
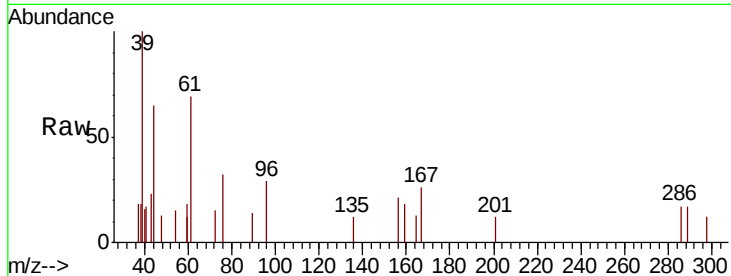




#31

cis-1,2-Dichloroethene
Concen: 0.003 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.04 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

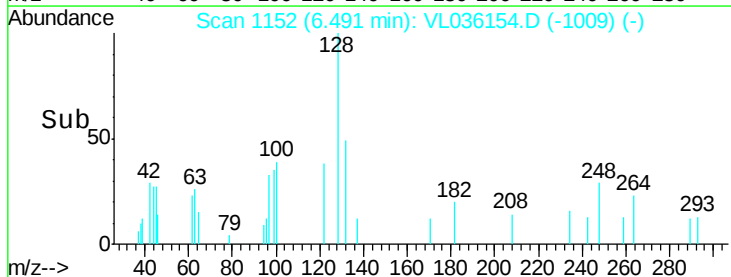
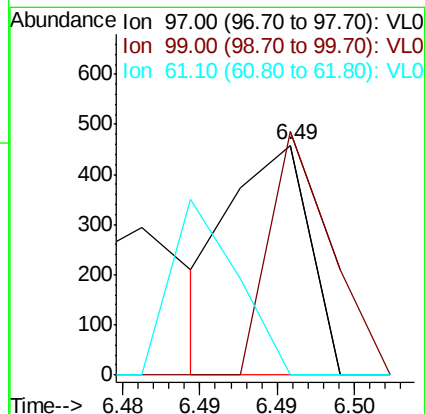
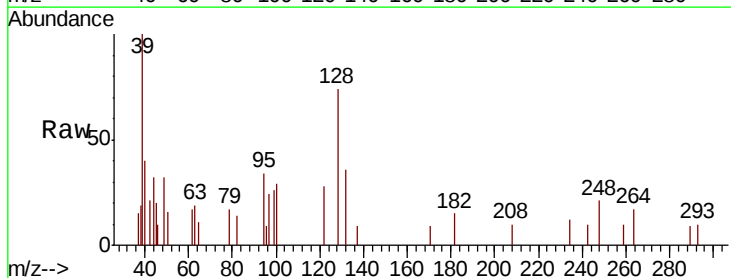
Tot Ion	Ratio	Lower	Upper
61	100		
96	41.7	47.3	70.9#
98	0.0	31.4	47.0#

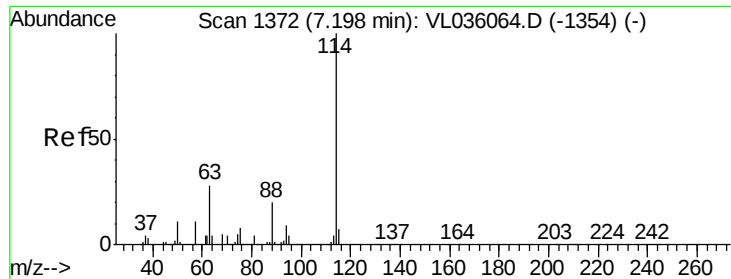


#32

1,1,1-Trichloroethane
Concen: 0.001 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.04 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

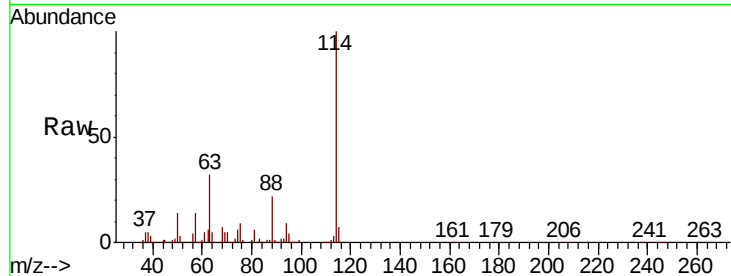
Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.4	78.6#
61	0.0	43.4	65.0#



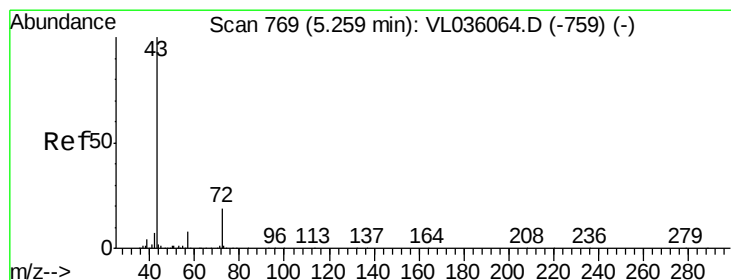
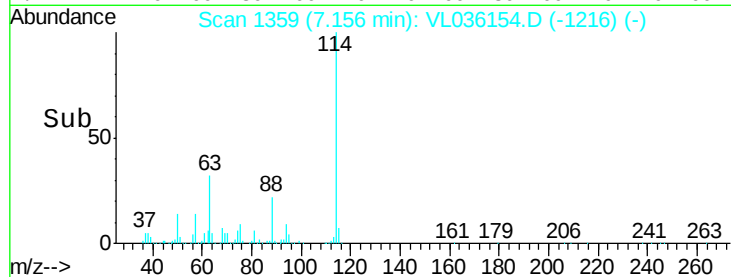
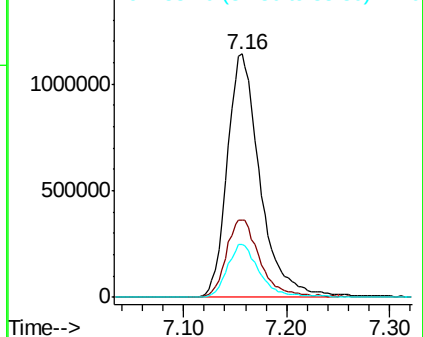


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.04 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

Tot Ion:114 Resp: 2535315
 Ion Ratio Lower Upper
 114 100
 63 33.2 23.6 35.4
 88 21.4 15.8 23.6

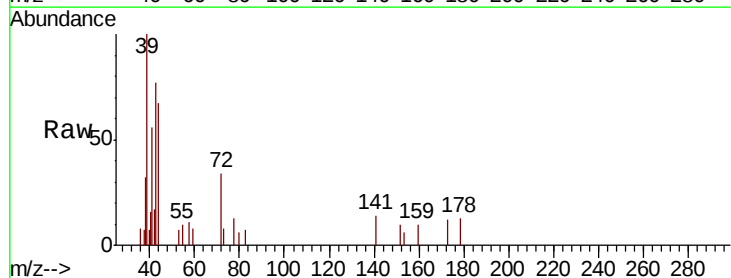


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

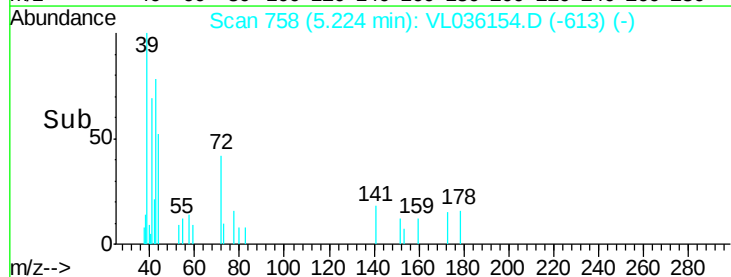
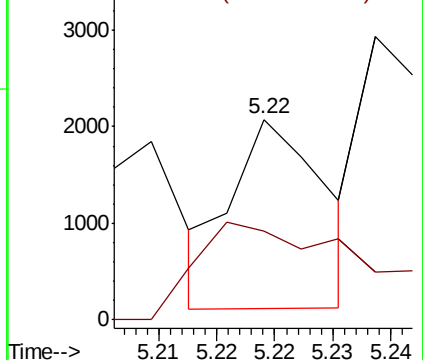


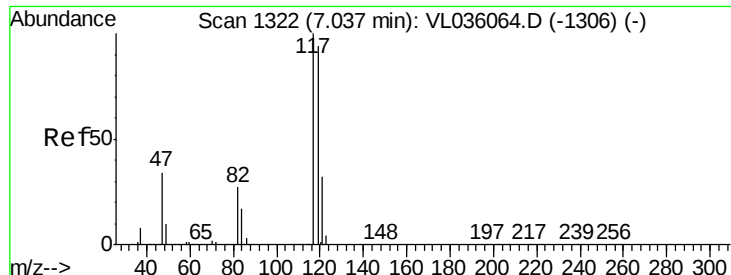
#34
 2-Butanone
 Concen: 0.006 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.04 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

Tgt Ion: 43 Resp: 1090
 Ion Ratio Lower Upper
 43 100
 72 0.0 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: 0.000 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

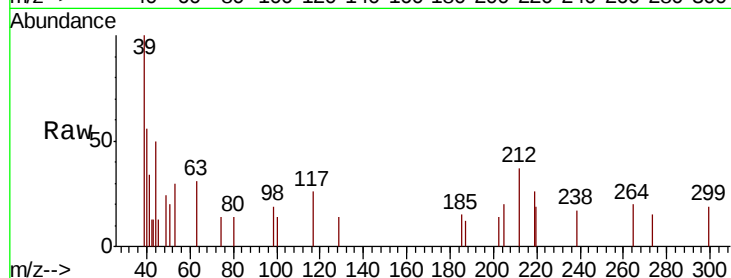
Tot Ion: 117 Resp: 62

Ion Ratio Lower Upper

117 100

119 0.0 75.1 112.7#

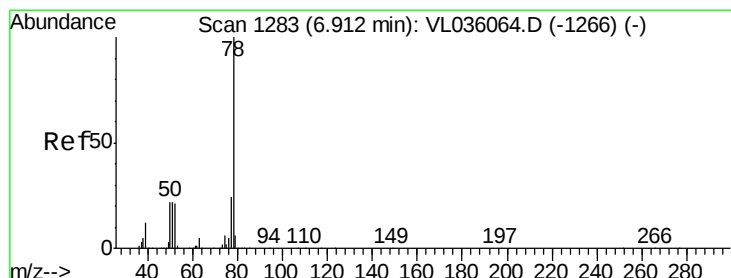
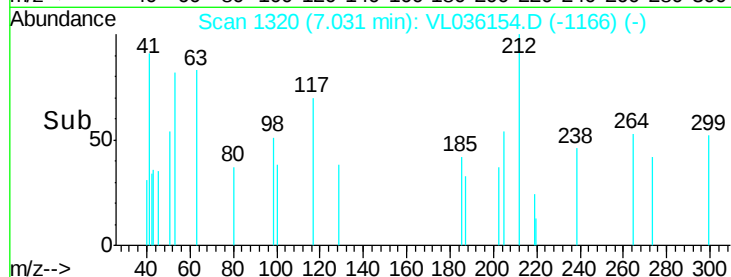
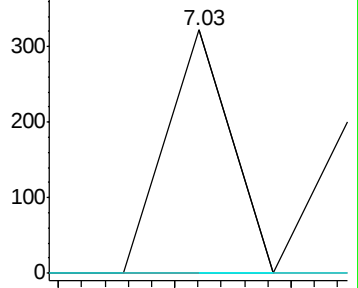
121 0.0 25.6 38.4#



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: 0.001 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.04 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

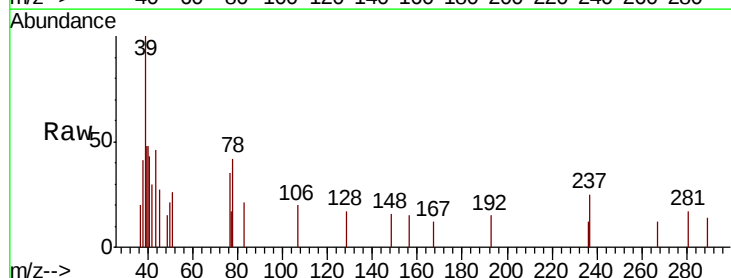
Tgt Ion: 78 Resp: 298

Ion Ratio Lower Upper

78 100

77 470.5 19.4 29.2#

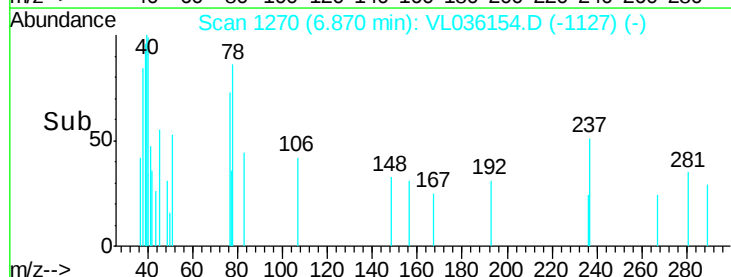
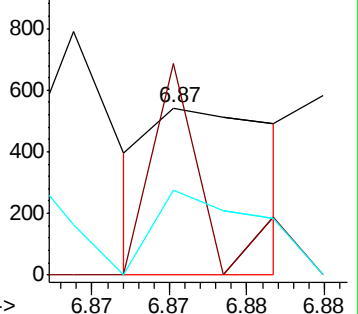
50 189.0 17.8 26.8#

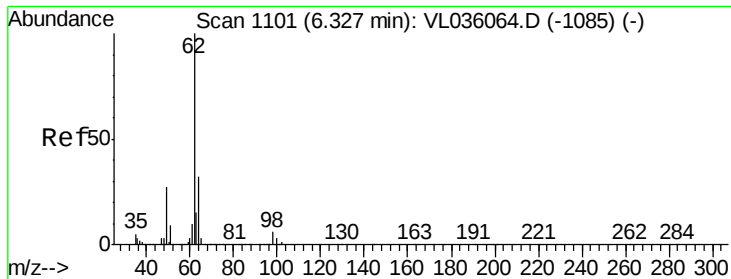


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

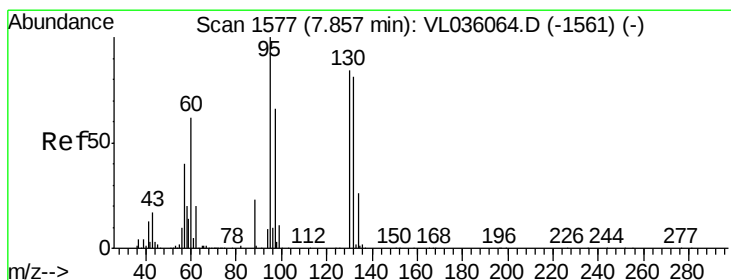
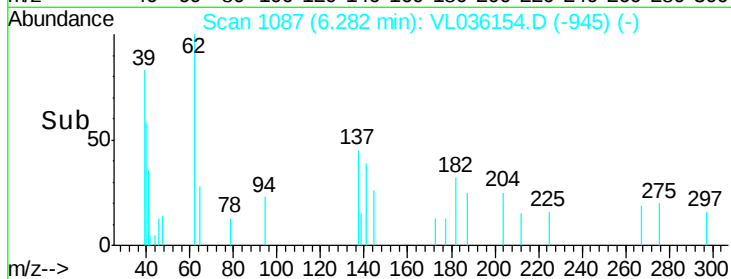
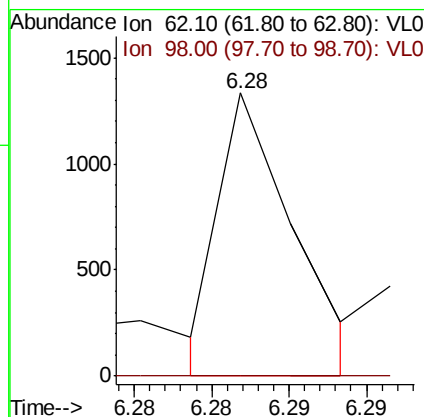
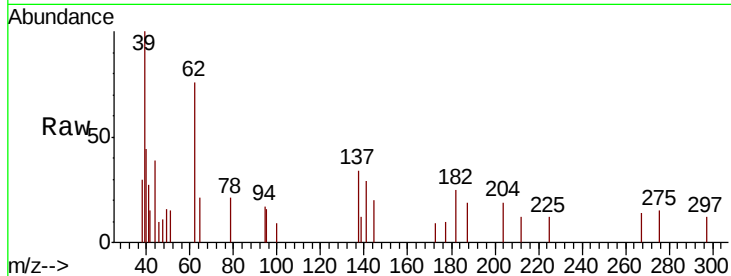
Ion 50.10 (49.80 to 50.80): VL0





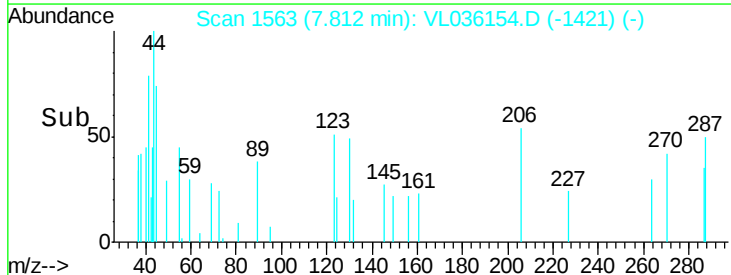
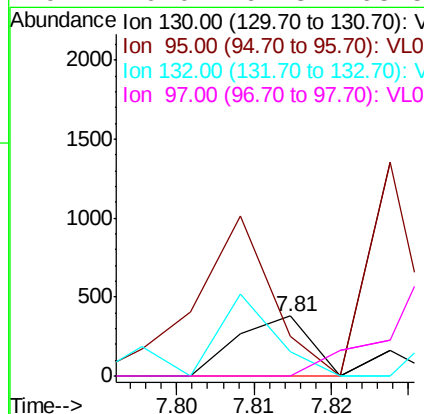
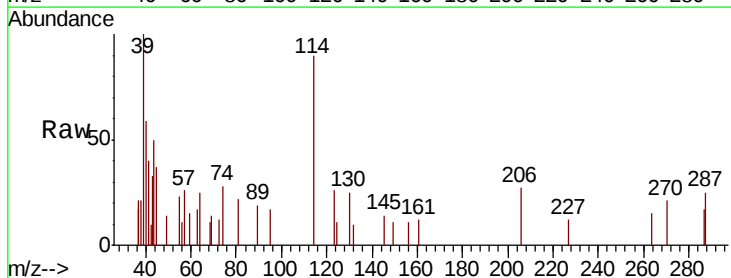
#37
 1,2-Dichloroethane
 Concen: 0.004 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.04 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

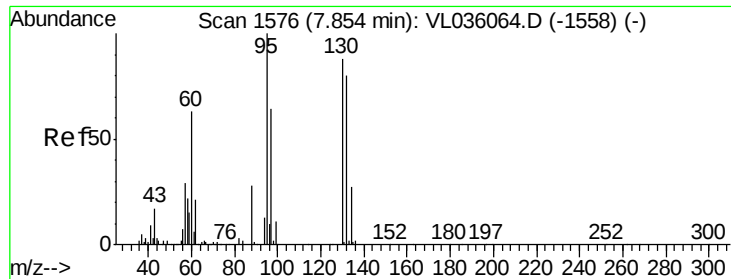
Tot Ion: 62 Resp: 444
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.6 7.0#



#38
 Trichloroethene
 Concen: 0.002 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.04 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

Tgt Ion: 130 Resp: 124
 Ion Ratio Lower Upper
 130 100
 95 67.1 95.2 142.8#
 132 40.1 76.9 115.3#
 97 0.0 62.3 93.5#





#40

1,4-Dioxane

Concen: 0.001 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.04 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tot Ion: 88 Resp: 31

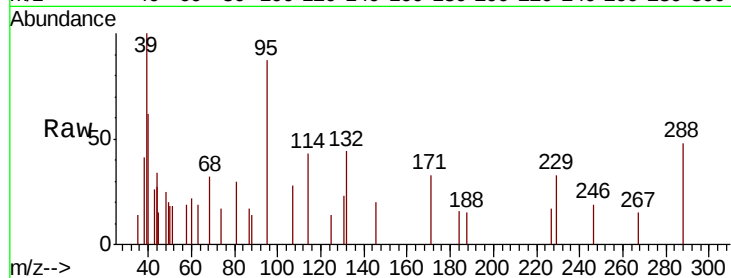
Ion Ratio Lower Upper

88 100

58 0.0 122.6 184.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

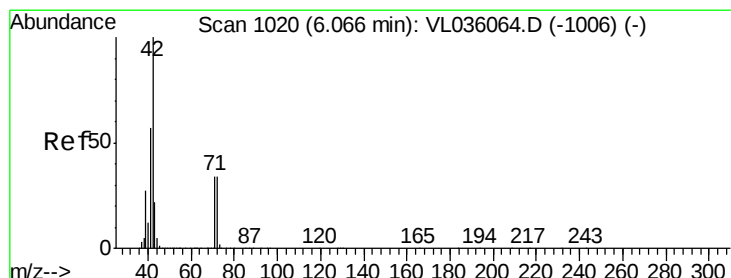
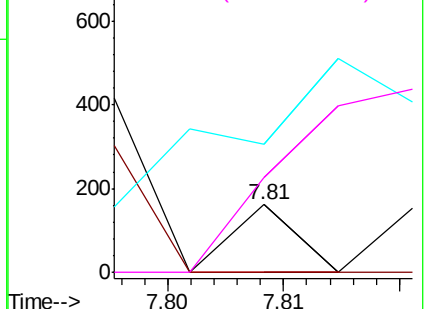
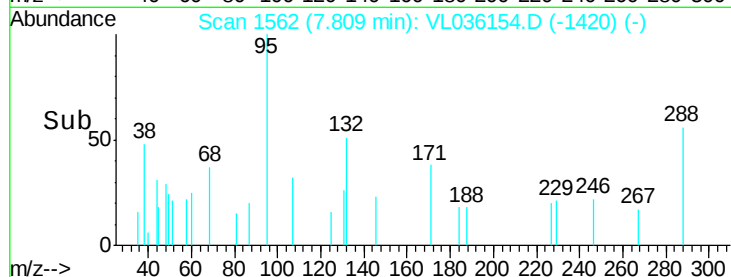


Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.002 ppbv

RT: 6.01 min Scan# 1003

Delta R.T. -0.05 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

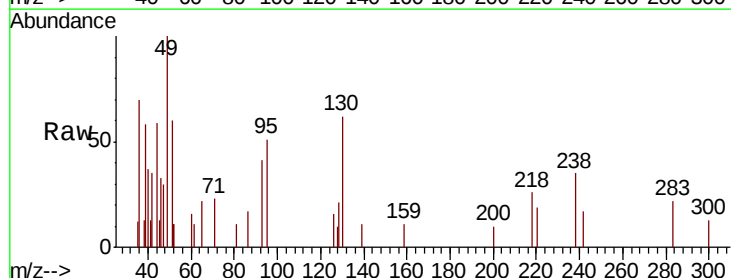
Tgt Ion: 42 Resp: 229

Ion Ratio Lower Upper

42 100

72 0.0 28.3 42.5#

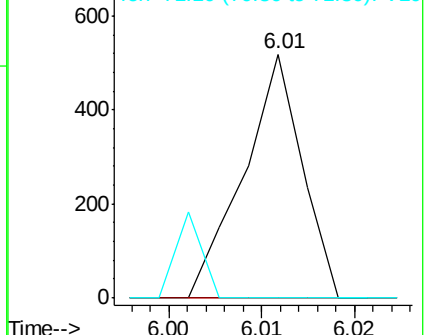
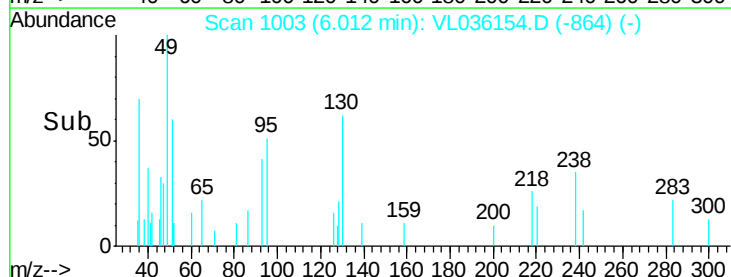
71 0.0 27.3 40.9#

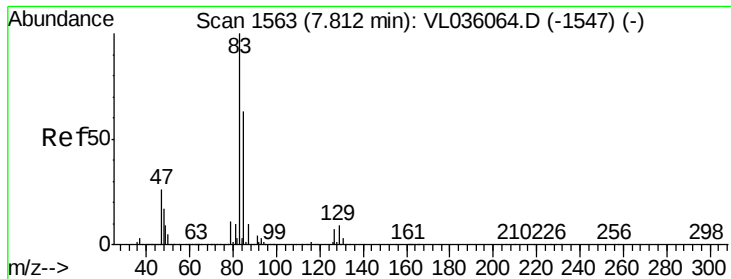


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.002 ppbv

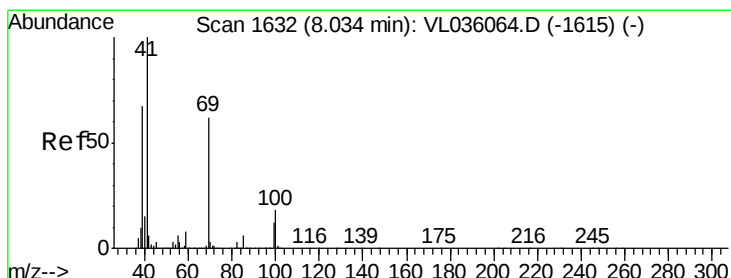
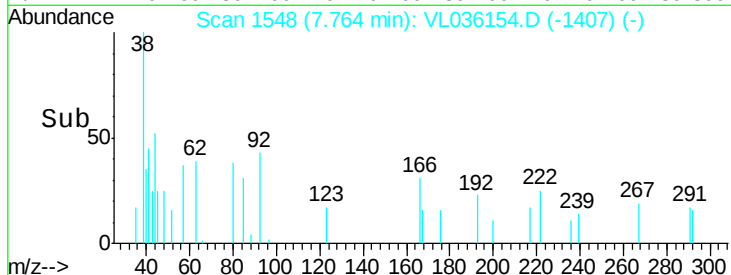
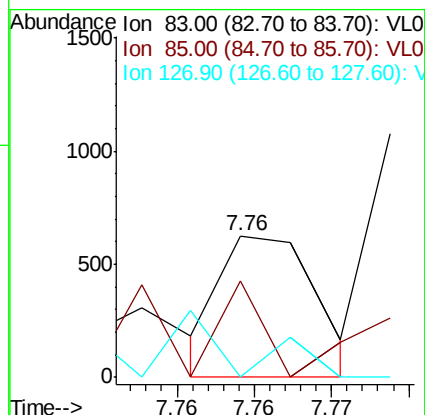
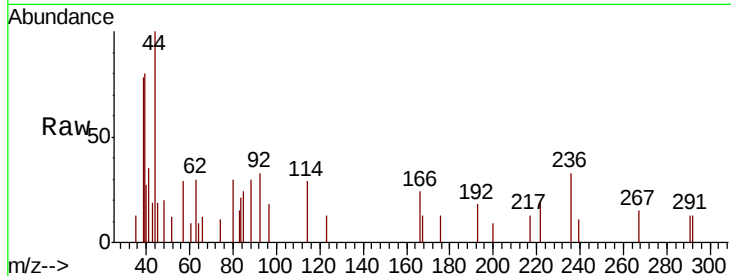
RT: 7.76 min Scan# 1548

Delta R.T. -0.05 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tot Ion:	83	Resp:	267
Ion	Ratio	Lower	Upper
83	100		
85	92.0	50.2	75.2#
127	0.0	5.5	8.3#



#43

Methyl Methacrylate

Concen: 0.001 ppbv

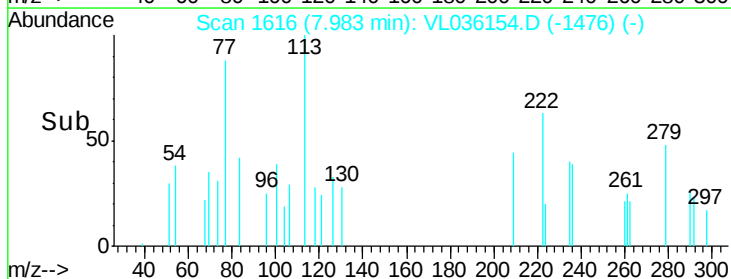
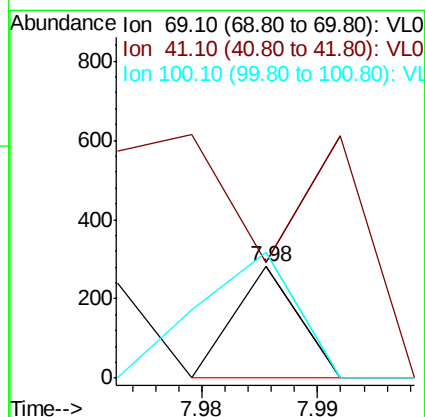
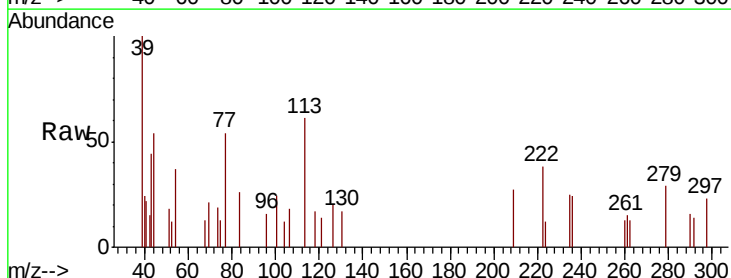
RT: 7.98 min Scan# 1616

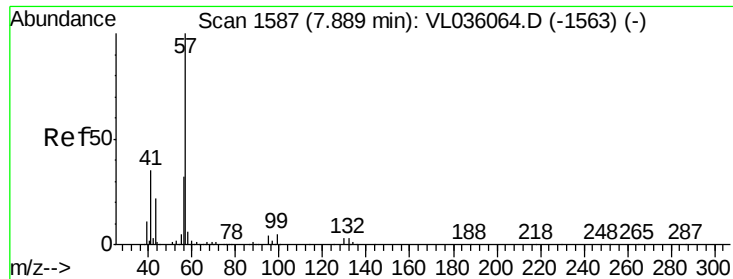
Delta R.T. -0.05 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tgt Ion:	69	Resp:	54
Ion	Ratio	Lower	Upper
69	100		
41	0.0	133.0	199.6#
100	175.9	25.4	38.0#





#44

2,2,4-Trimethylpentane

Concen: 0.002 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.04 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

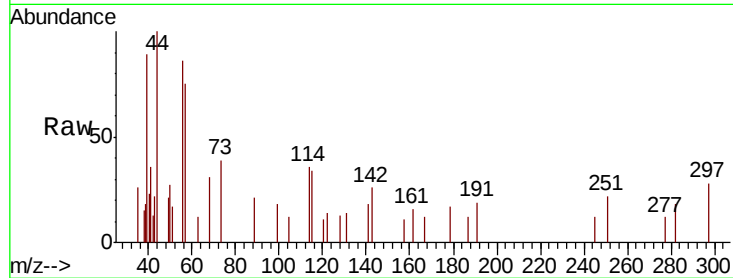
Tot Ion: 57 Resp: 908

Ion Ratio Lower Upper

57 100

41 283.8 28.9 43.3#

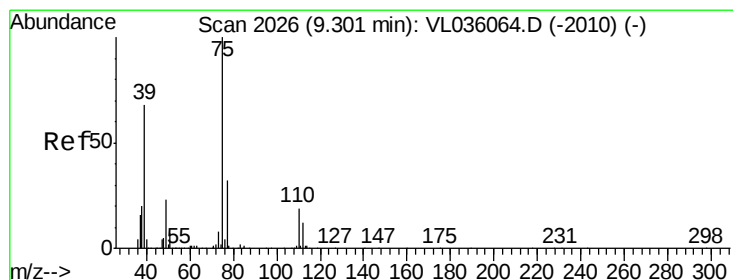
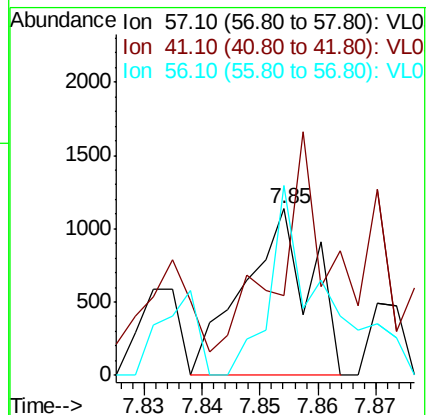
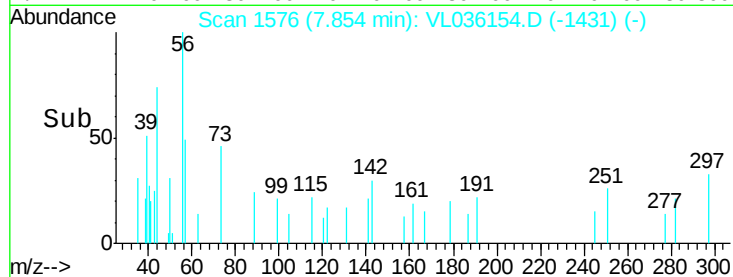
56 141.3 25.3 37.9#



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: 0.001 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.04 min

Lab File: VL036154.D

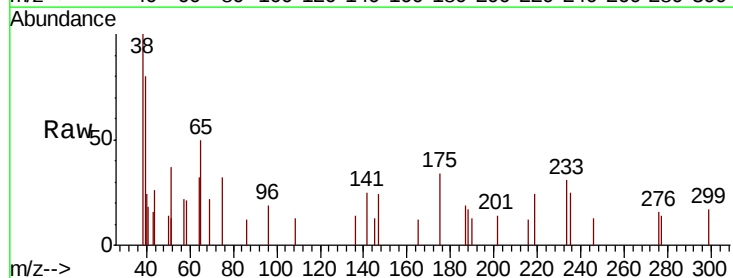
Acq: 11 Dec 2020 7:59

Tgt Ion: 75 Resp: 114

Ion Ratio Lower Upper

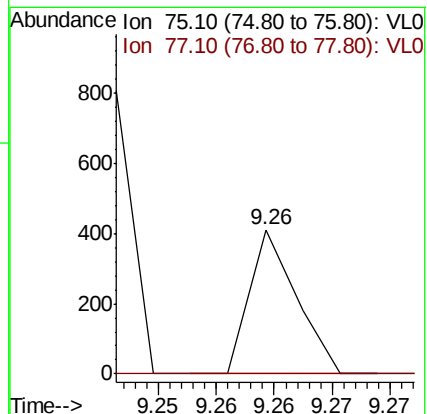
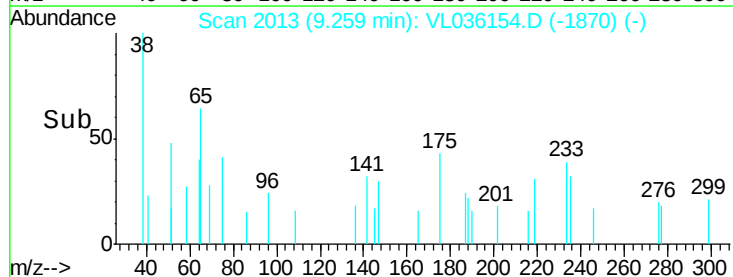
75 100

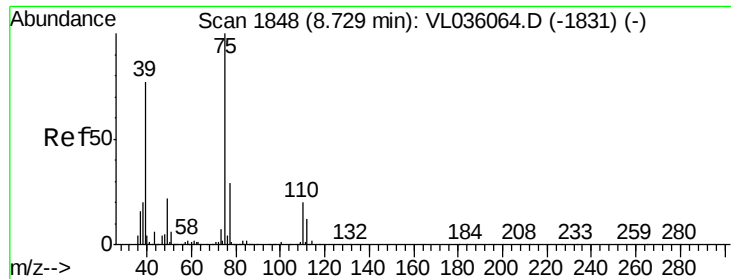
77 0.0 26.0 39.0#



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#46

cis-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.04 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

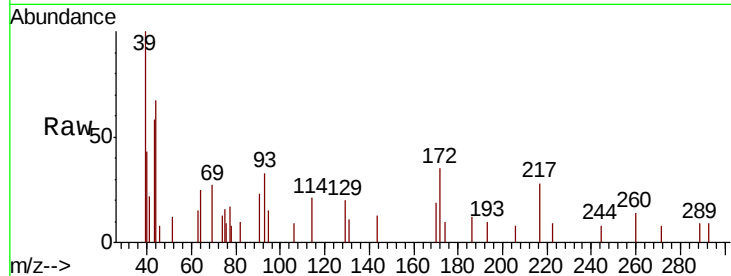
Tot Ion: 75 Resp: 167

Ion Ratio Lower Upper

75 100

39 138.8 61.6 92.4#

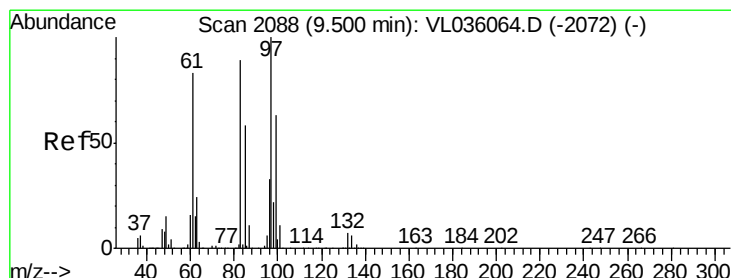
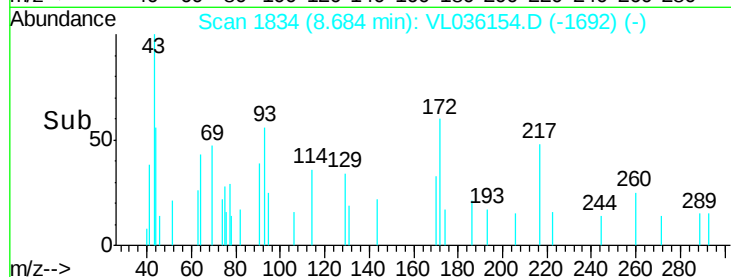
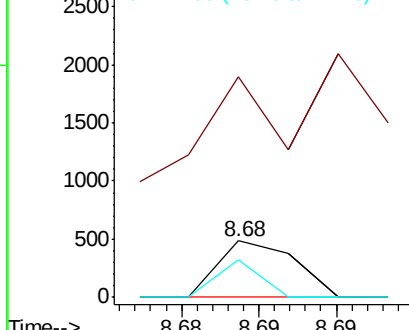
77 66.1 23.0 34.6#



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



#47

1,1,2-Trichloroethane

Concen: 0.003 ppbv

RT: 9.44 min Scan# 2070

Delta R.T. -0.06 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tgt Ion: 97 Resp: 272

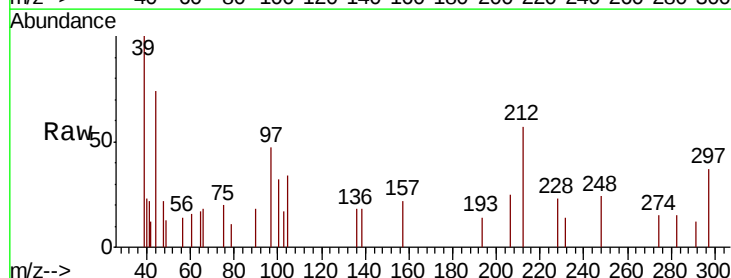
Ion Ratio Lower Upper

97 100

83 0.0 71.4 107.2#

85 0.0 46.6 70.0#

99 0.0 50.7 76.1#

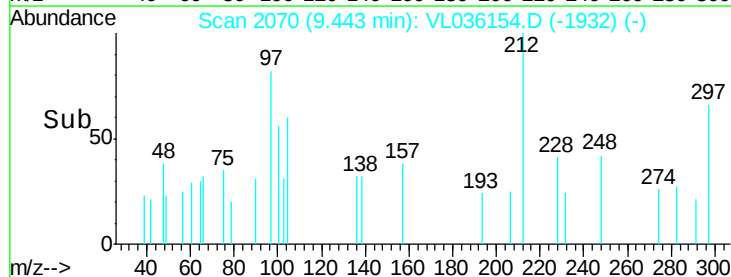
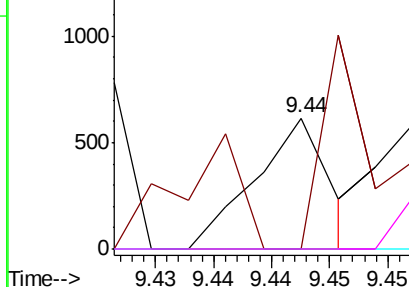


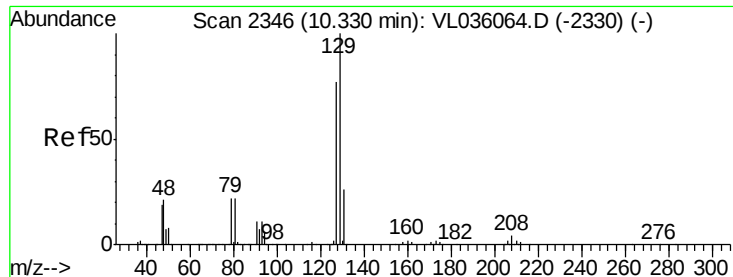
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

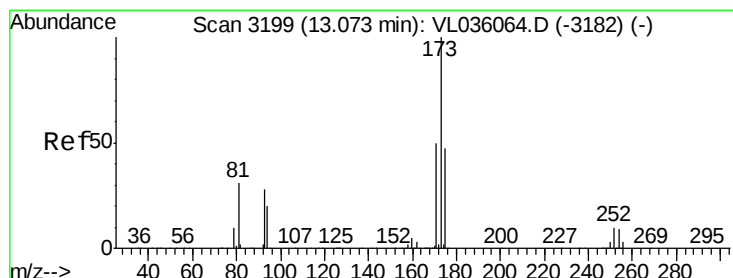
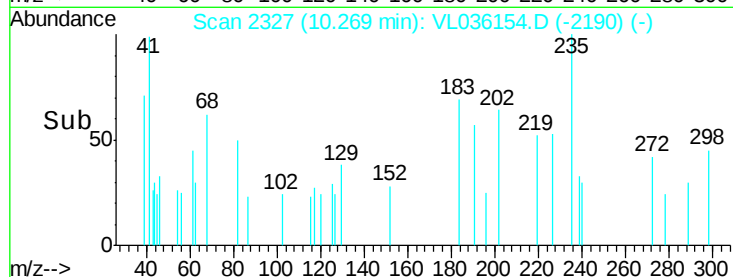
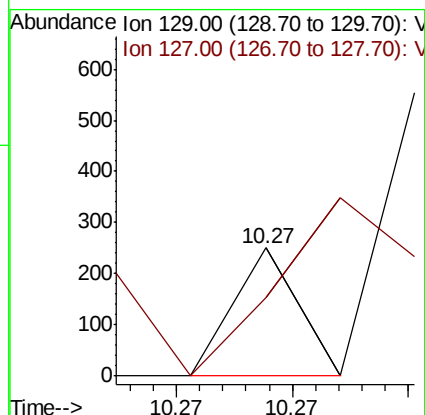
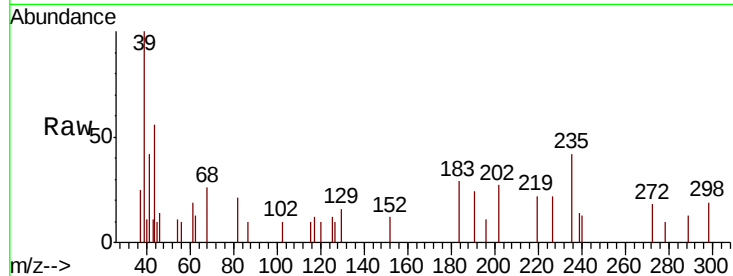
Ion 99.00 (98.70 to 99.70): VL0





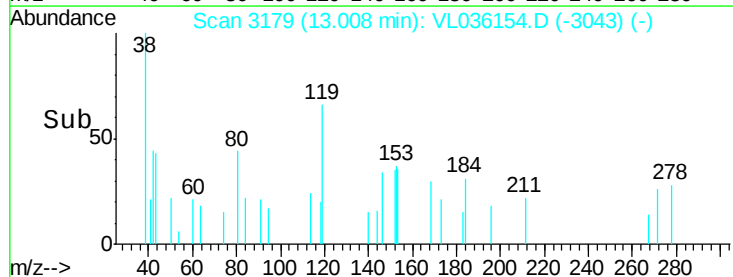
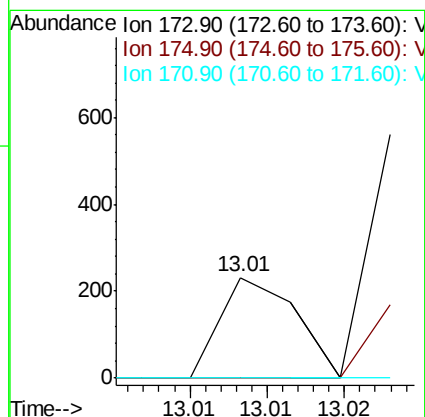
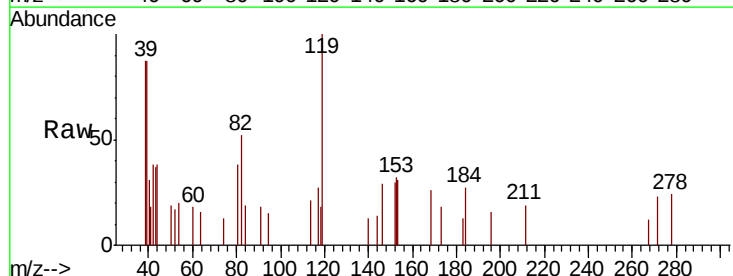
#48
 Dibromochloromethane
 Concen: 0.000 ppbv
 RT: 10.27 min Scan# 2327
 Delta R.T. -0.06 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

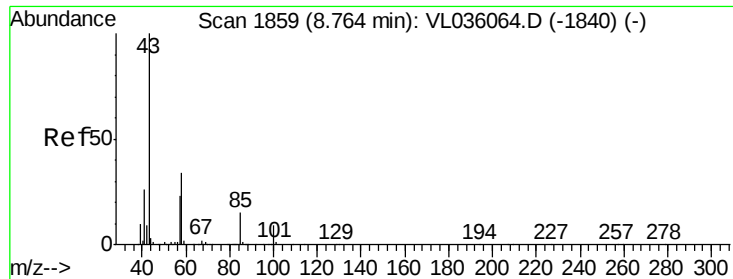
Tot Ion:129 Resp: 48
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 117.0#



#49
 Bromoform
 Concen: 0.001 ppbv
 RT: 13.01 min Scan# 3179
 Delta R.T. -0.06 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

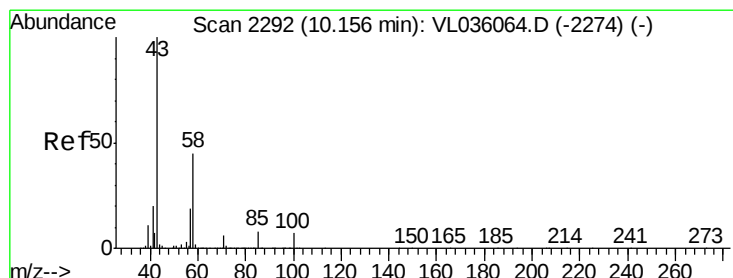
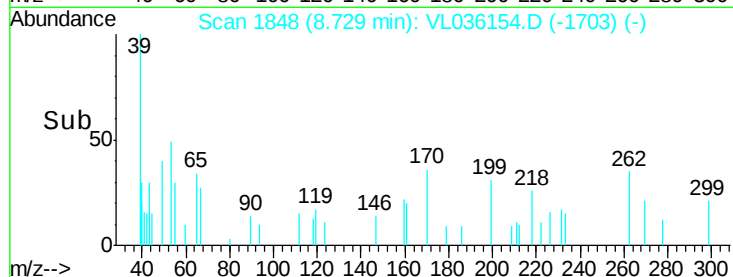
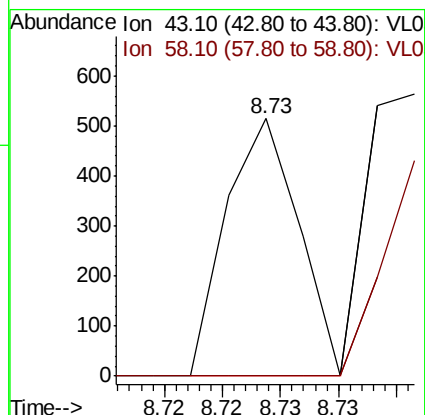
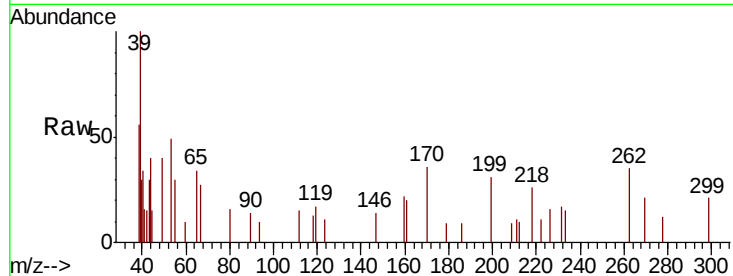
Tgt Ion:173 Resp: 79
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.8 59.6#
 171 0.0 42.5 63.7#





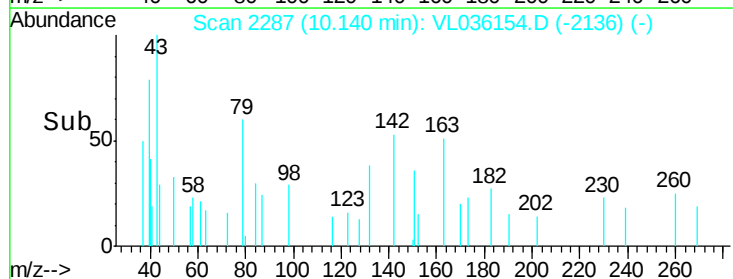
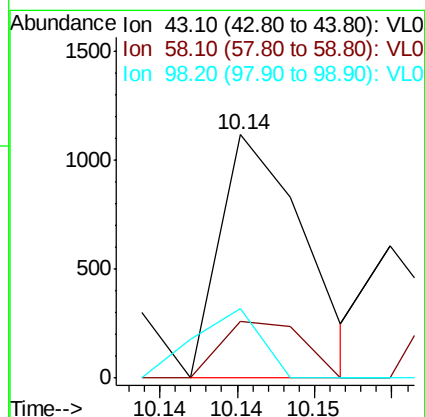
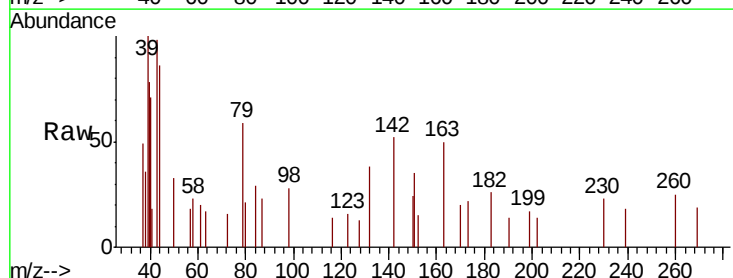
#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

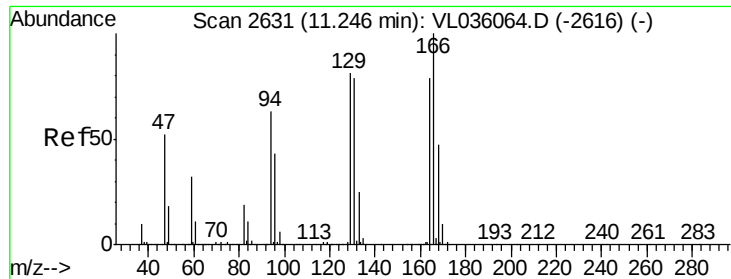
Tot Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.2#



#51
2-Hexanone
Concen: 0.002 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.02 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
58 0.0 38.7 58.1#
98 22.5 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.001 ppbv

RT: 11.18 min Scan# 2609

Delta R.T. -0.07 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tot Ion:164 Resp: 111

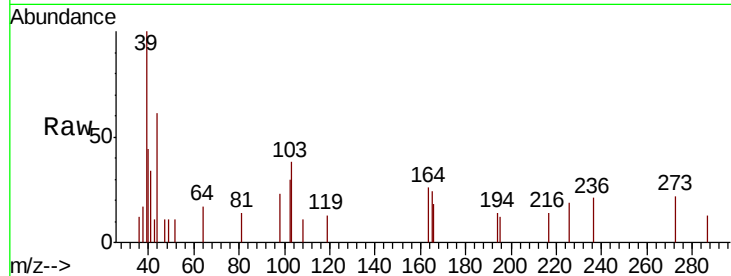
Ion Ratio Lower Upper

164 100

166 66.6 101.9 152.9#

129 0.0 82.1 123.1#

131 0.0 80.8 121.2#

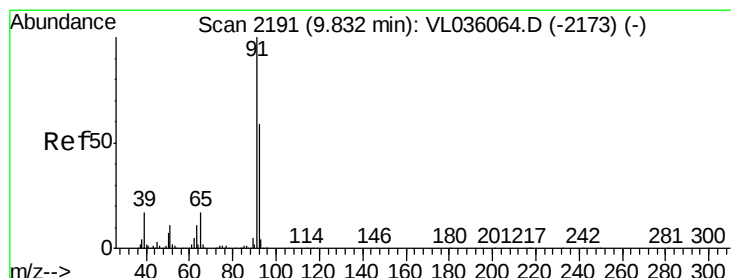
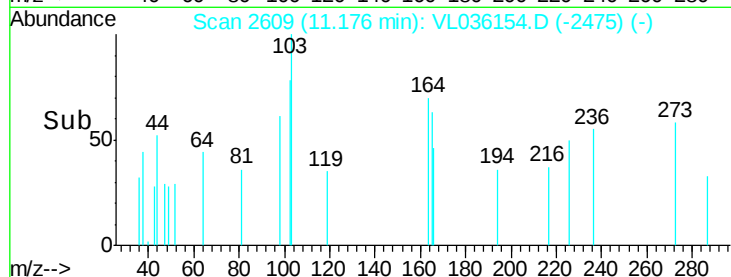
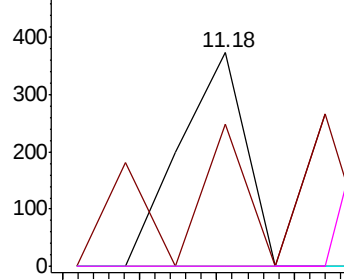


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.001 ppbv

RT: 9.36 min Scan# 2043

Delta R.T. -0.48 min

Lab File: VL036154.D

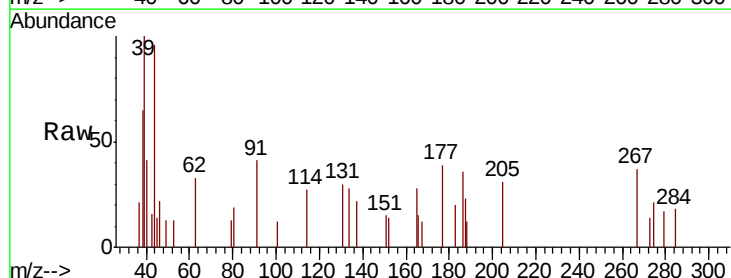
Acq: 11 Dec 2020 7:59

Tgt Ion: 91 Resp: 148

Ion Ratio Lower Upper

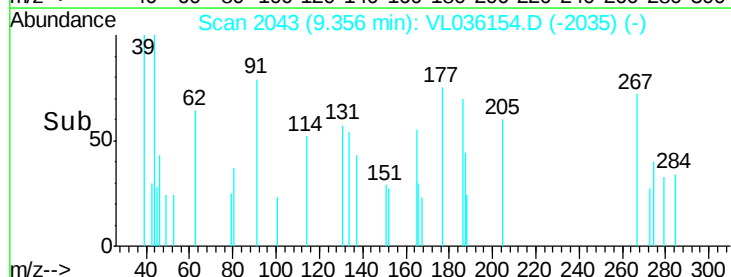
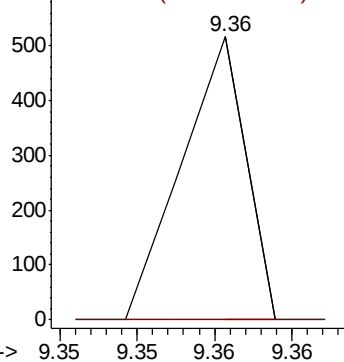
91 100

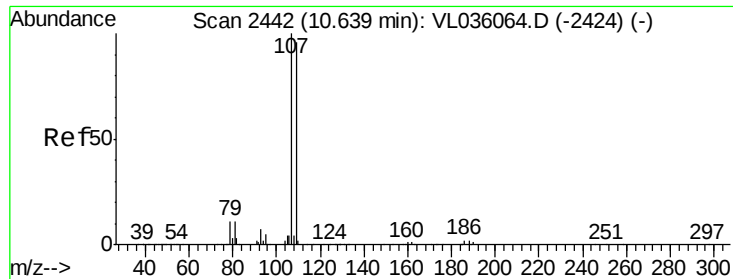
92 60.1 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

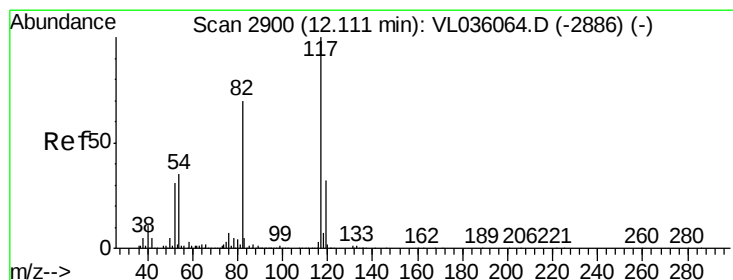
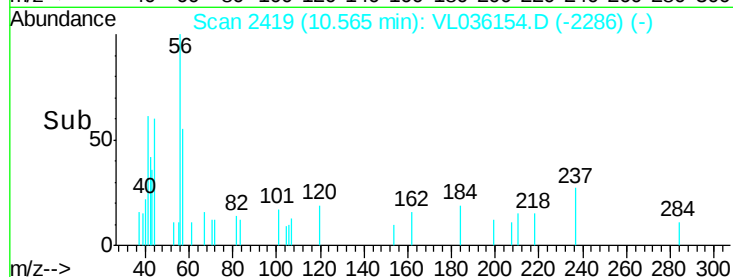
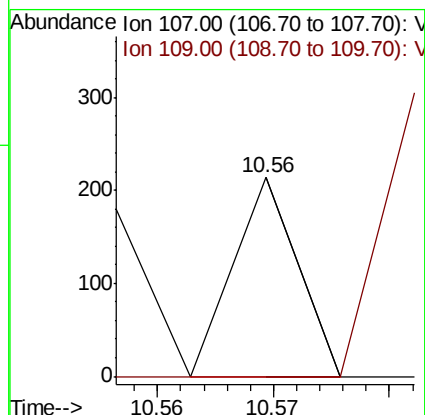
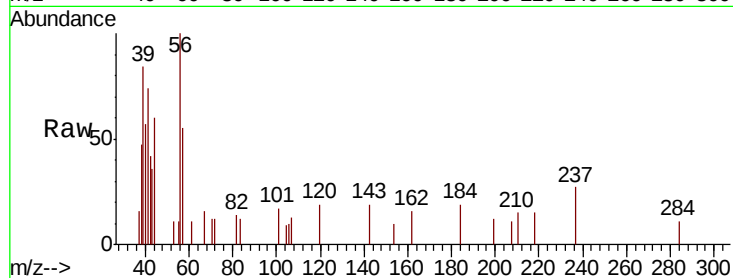
Ion 92.10 (91.80 to 92.80): VL0





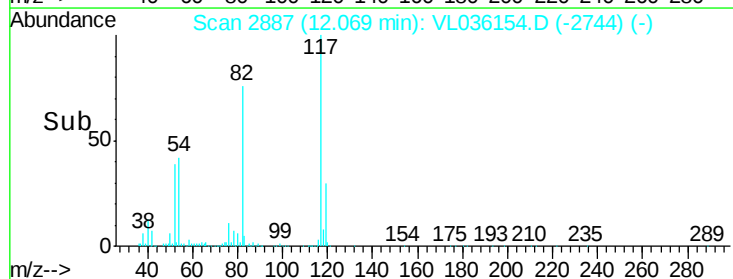
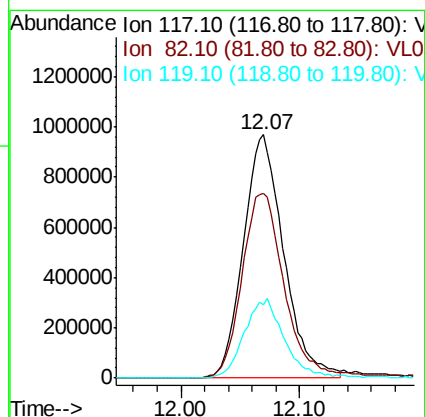
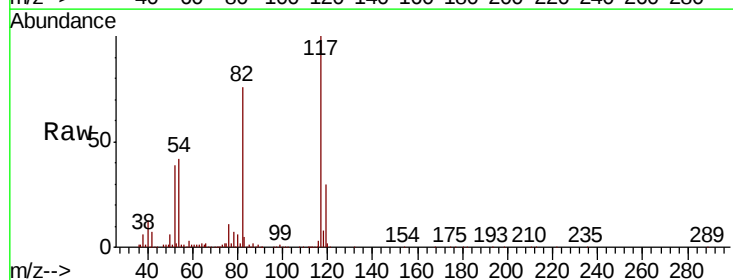
#54
 1,2-Dibromoethane
 Concen: 0.000 ppbv
 RT: 10.56 min Scan# 2419
 Delta R.T. -0.07 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

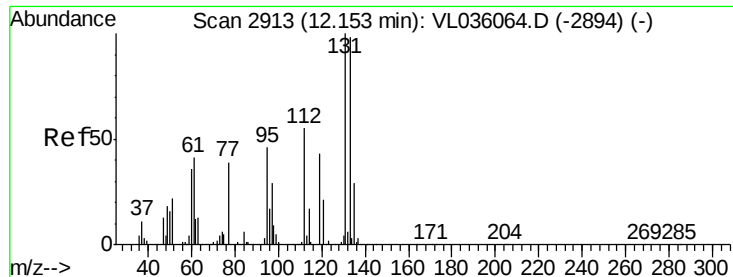
Tot Ion:107 Resp: 41
 Ion Ratio Lower Upper
 107 100
 109 0.0 76.6 115.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T. -0.04 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

Tgt Ion:117 Resp: 2272428
 Ion Ratio Lower Upper
 117 100
 82 81.9 0.0 0.0#
 119 32.7 0.0 0.0#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.002 ppbv

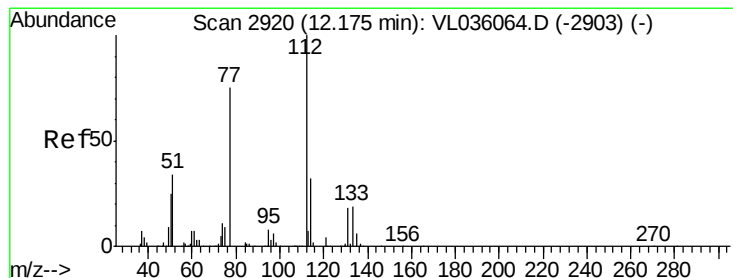
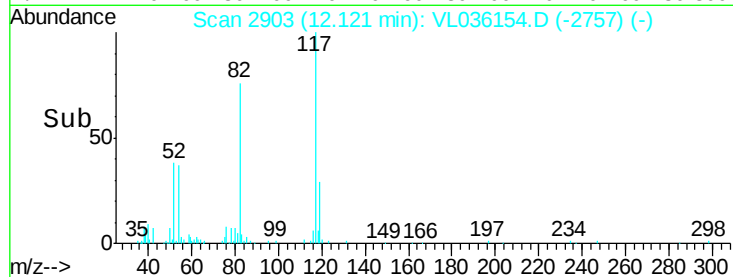
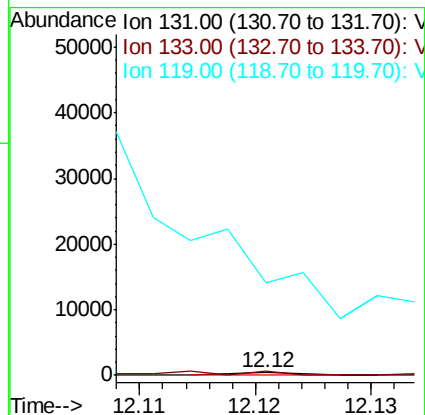
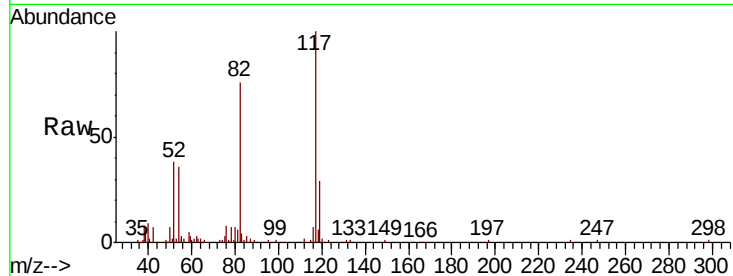
RT: 12.12 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tot Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.7	116.5#
119	0.0	51.6	77.4#



#57

Chlorobenzene

Concen: 0.002 ppbv

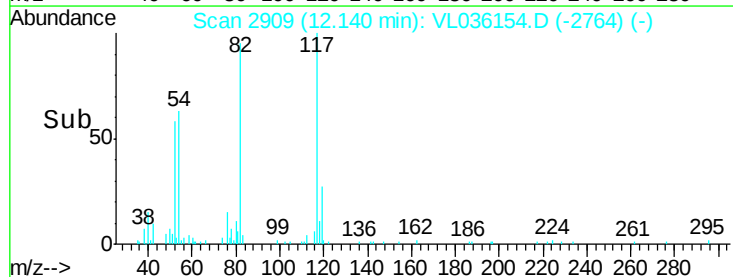
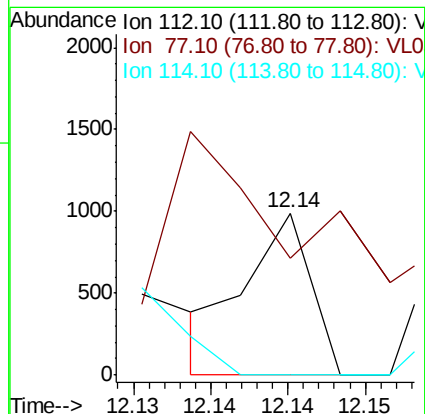
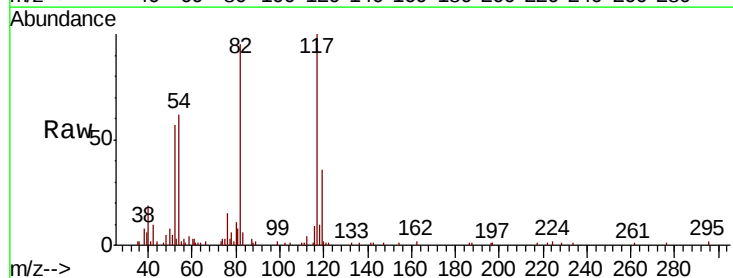
RT: 12.14 min Scan# 2909

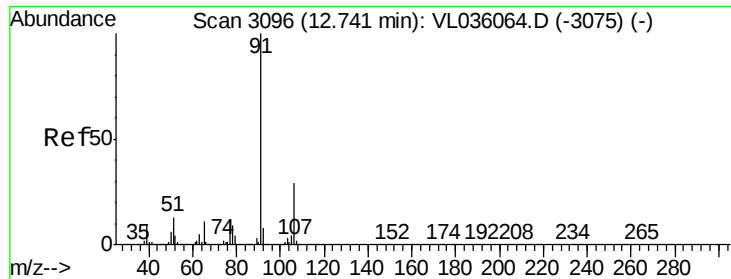
Delta R.T. -0.04 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tgt Ion	Ratio	Lower	Upper
112	100		
77	0.0	60.5	90.7#
114	0.0	29.2	35.6#





#58

Ethyl Benzene

Concen: 0.002 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.05 min

Lab File: VL036154.D

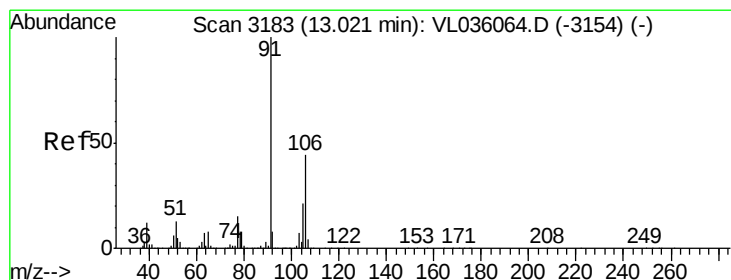
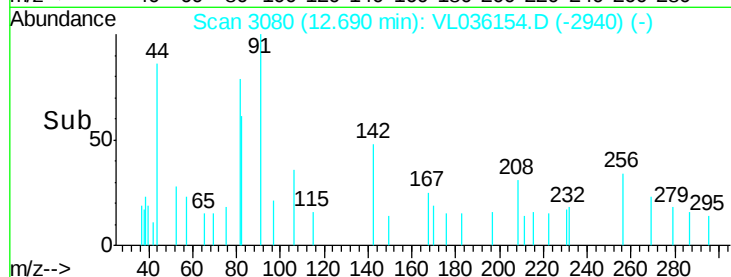
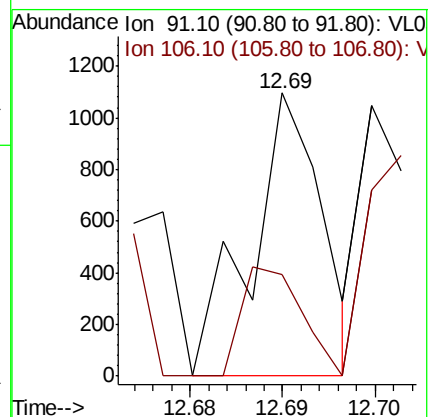
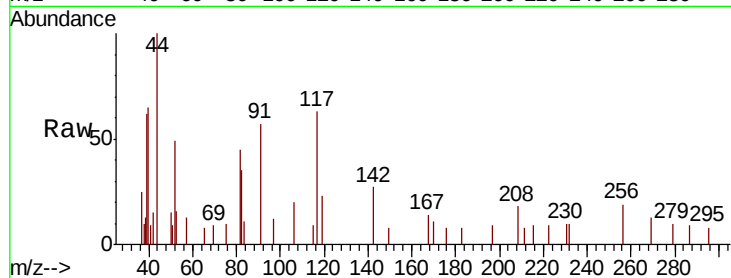
Acq: 11 Dec 2020 7:59

Tot Ion: 91 Resp: 582

Ion Ratio Lower Upper

91 100

106 35.9 23.0 34.4#



#59

m/p-Xylene

Concen: 0.001 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. -0.04 min

Lab File: VL036154.D

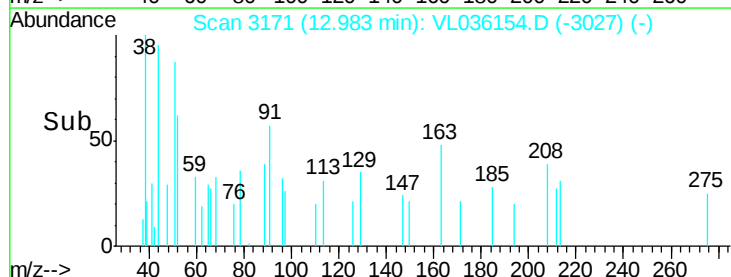
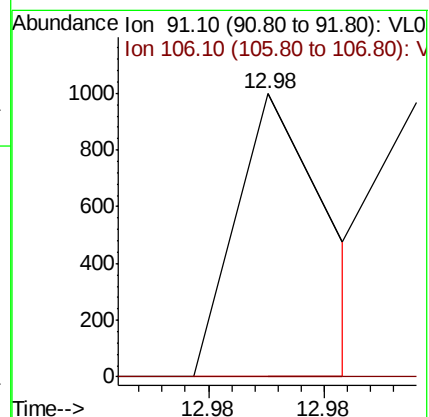
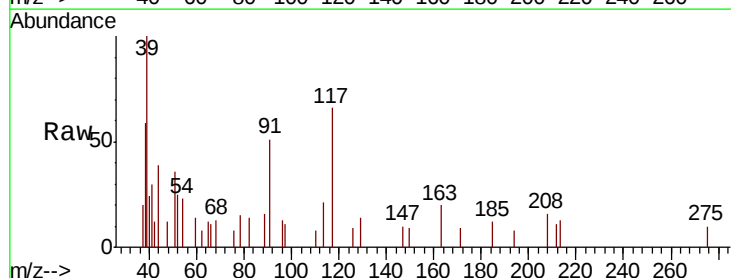
Acq: 11 Dec 2020 7:59

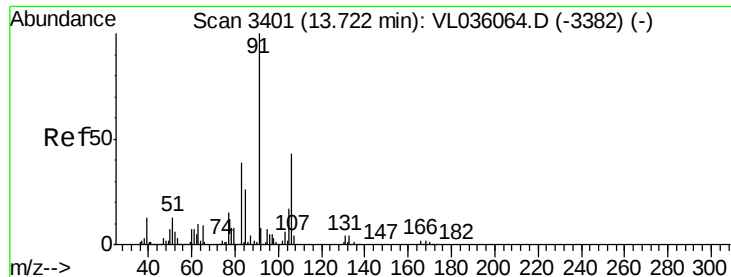
Tgt Ion: 91 Resp: 284

Ion Ratio Lower Upper

91 100

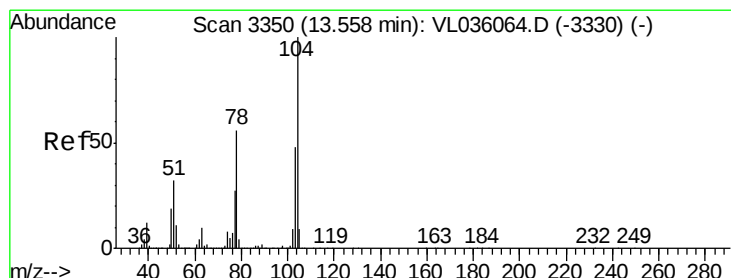
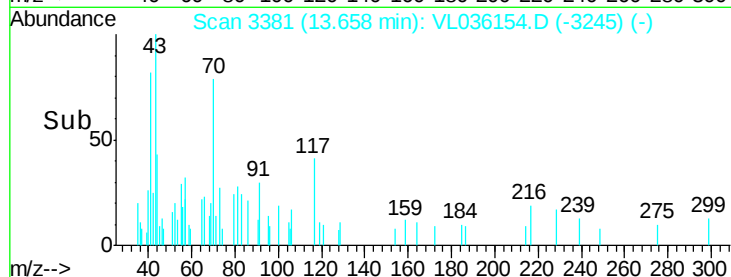
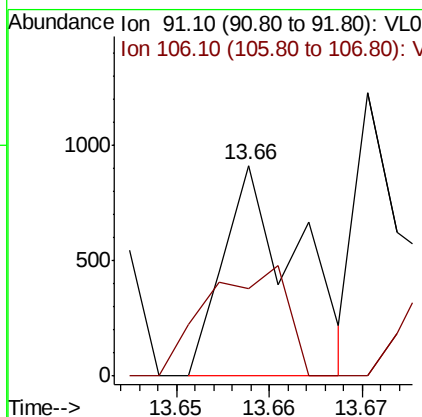
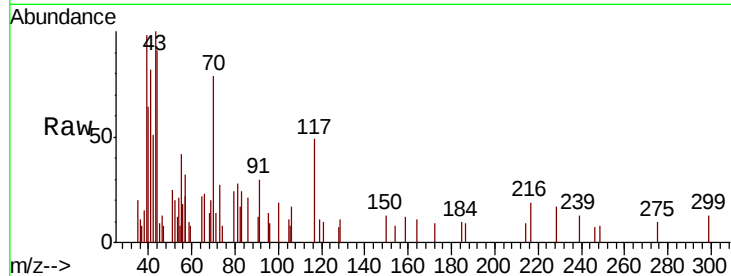
106 0.0 33.6 50.4#





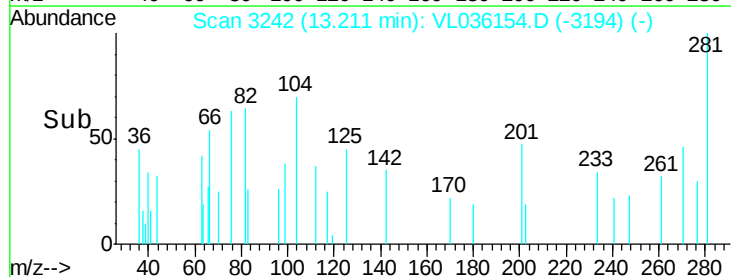
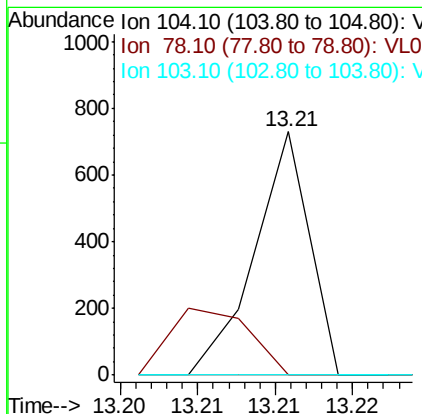
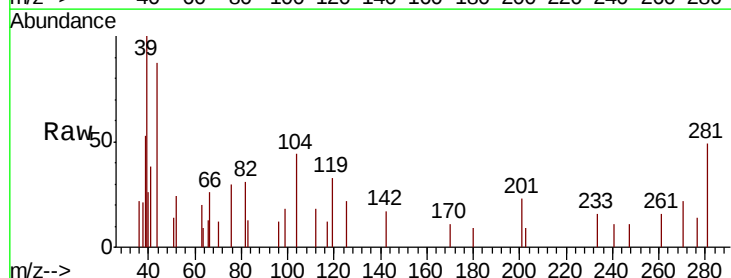
#60
o-Xylene
Concen: 0.002 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.06 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

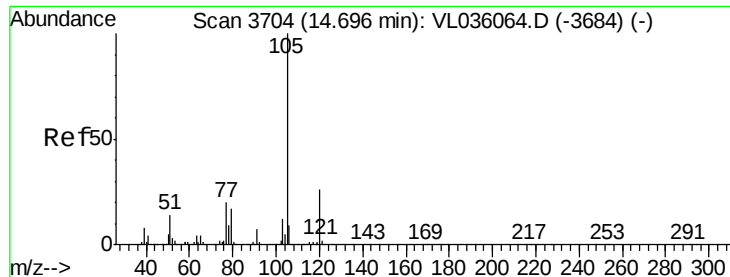
Tot Ion: 91 Resp: 511
Ion Ratio Lower Upper
91 100
106 56.0 21.6 64.6



#61
Styrene
Concen: 0.001 ppbv
RT: 13.21 min Scan# 3242
Delta R.T. -0.35 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion: 104 Resp: 179
Ion Ratio Lower Upper
104 100
78 65.9 45.8 68.8
103 41.9 38.6 57.8





#62

Isopropylbenzene

Concen: 0.003 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.29 min

Lab File: VL036154.D

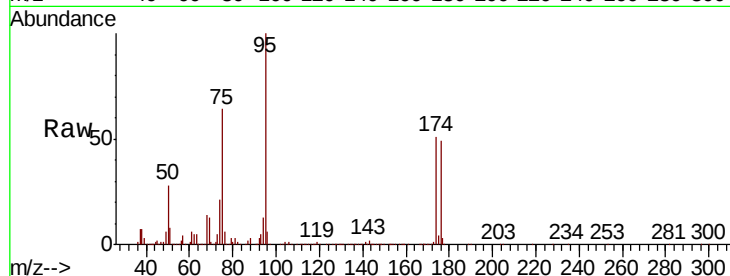
Acq: 11 Dec 2020 7:59

Tot Ion: 105 Resp: 966

Ion Ratio Lower Upper

105 100

120 21.2 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500

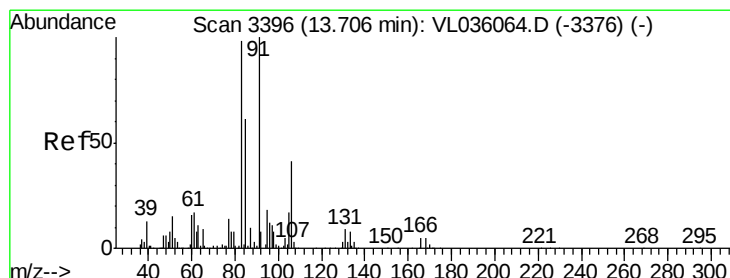
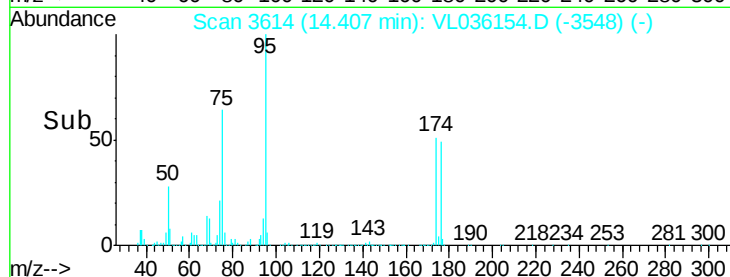
1000

500

0

14.40 14.41 14.42

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.002 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. -0.05 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

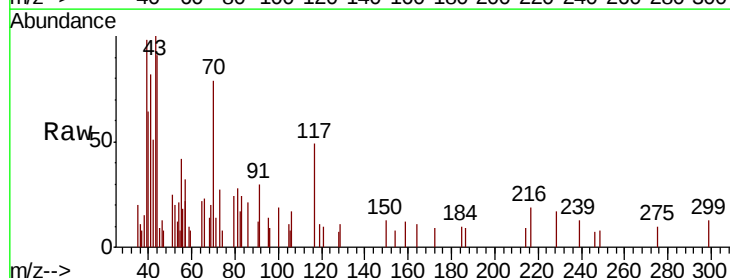
Tgt Ion: 83 Resp: 352

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 0.0 32.5 97.5#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

800

600

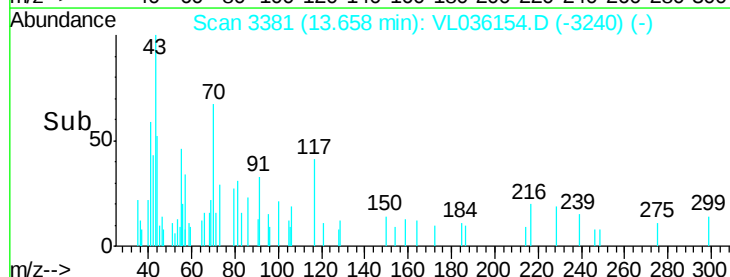
400

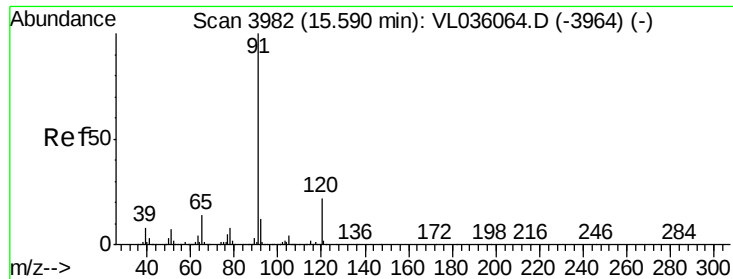
200

0

13.65 13.66 13.67

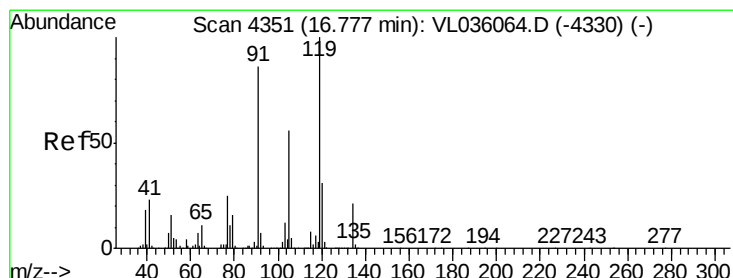
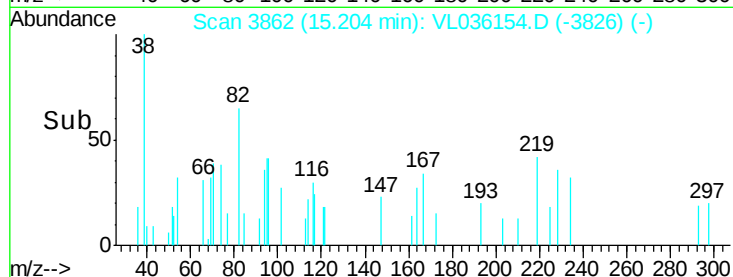
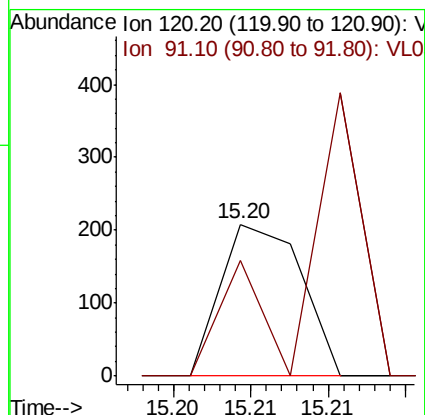
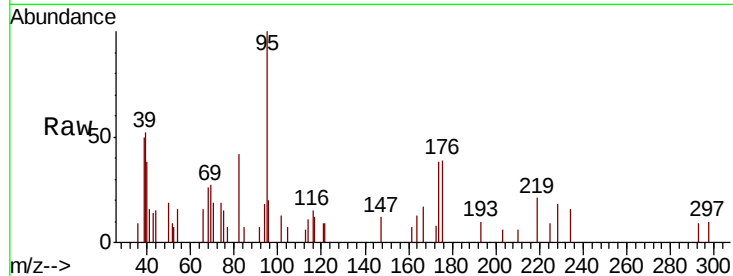
Time-->





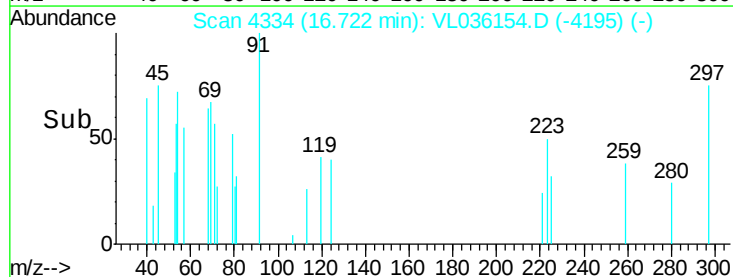
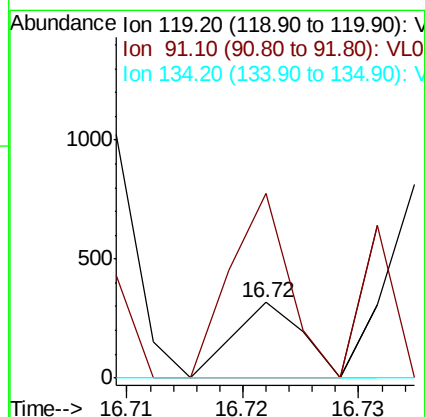
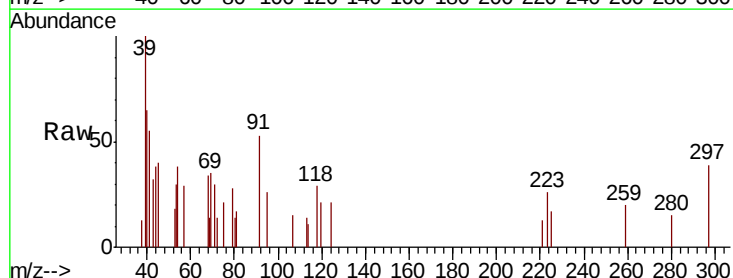
#64
n-propylbenzene
Concen: 0.001 ppbv
RT: 15.20 min Scan# 3862
Delta R.T. -0.39 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

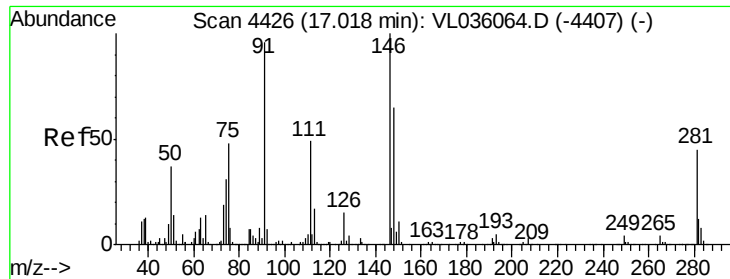
Tot Ion:120 Resp: 75
Ion Ratio Lower Upper
120 100
91 534.7 388.9 583.3



#65
tert-Butylbenzene
Concen: 0.000 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.05 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

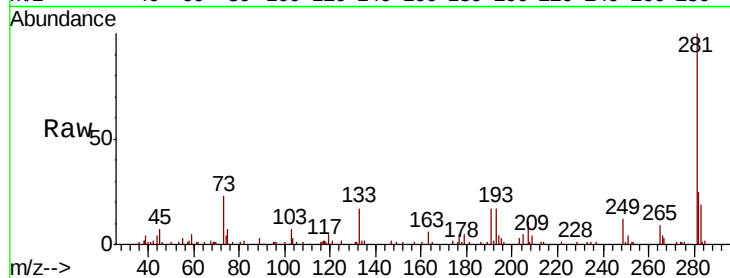
Tgt Ion:119 Resp: 131
Ion Ratio Lower Upper
119 100
91 369.5 70.2 105.2#
134 0.0 15.8 23.6#



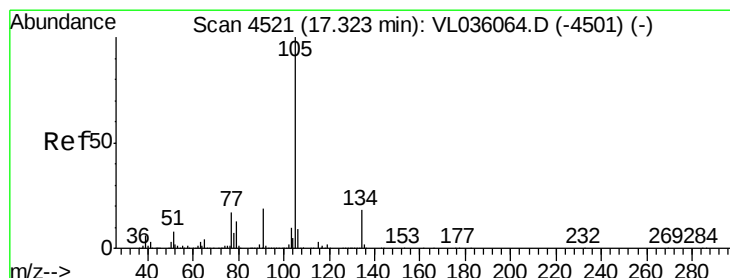
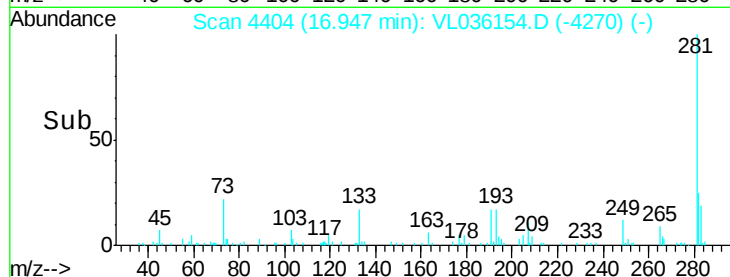
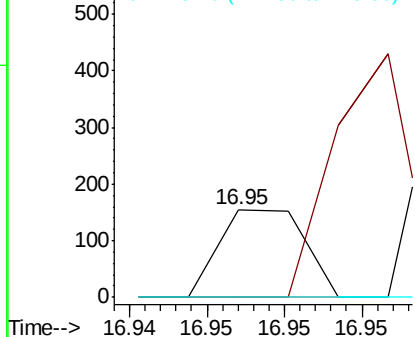


#66
Benzyl Chloride
Concen: 0.001 ppbv
RT: 16.95 min Scan# 4404
Delta R.T. -0.07 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tot Ion: 91 Resp: 59
Ion Ratio Lower Upper
91 100
126 3613.6 13.5 20.3#
128 0.0 4.4 6.6#

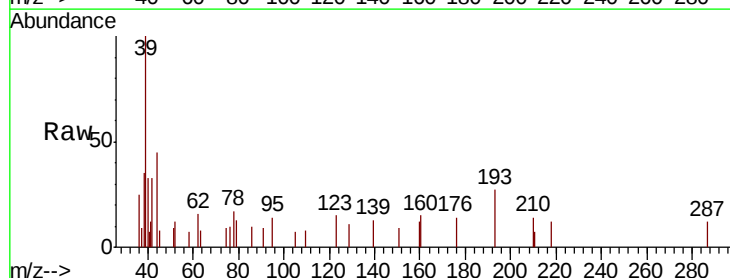


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

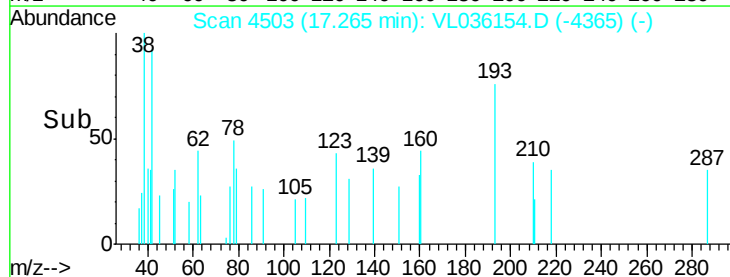
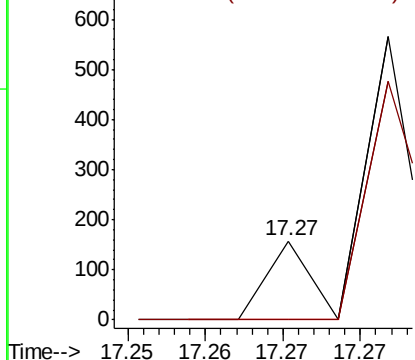


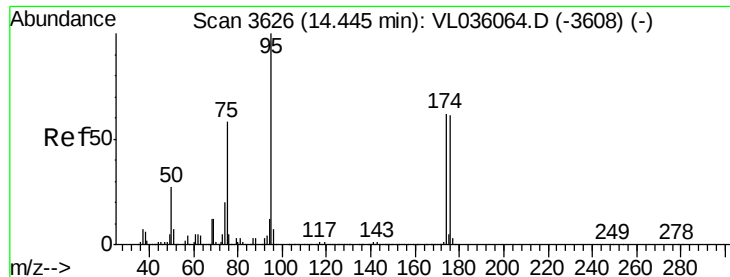
#67
sec-Butylbenzene
Concen: 0.000 ppbv
RT: 17.27 min Scan# 4503
Delta R.T. -0.06 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion: 105 Resp: 30
Ion Ratio Lower Upper
105 100
134 0.0 14.2 21.4#



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.056 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.05 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

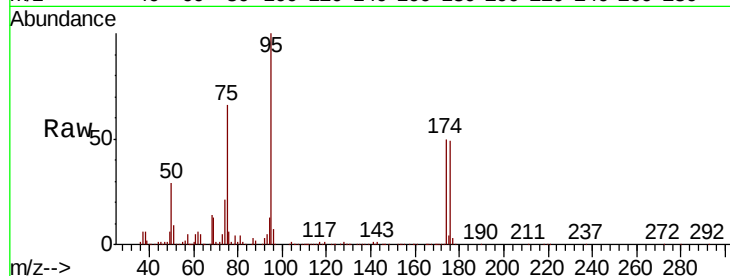
Tot Ion: 95 Resp: 1995022

Ion Ratio Lower Upper

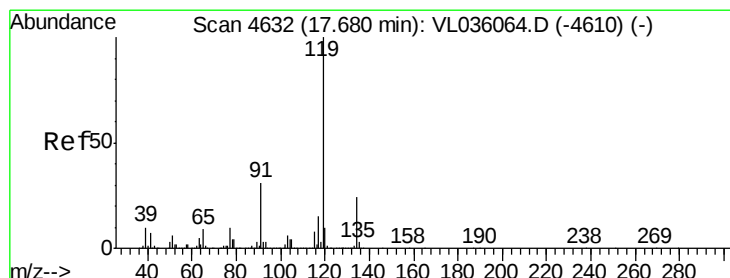
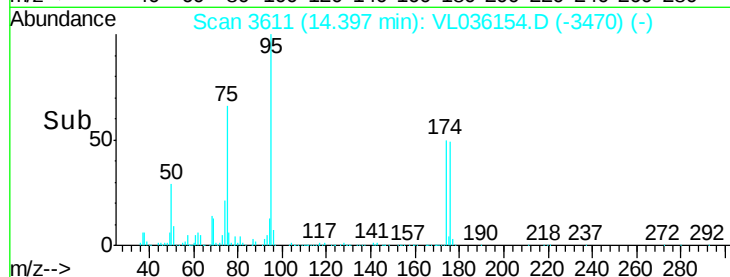
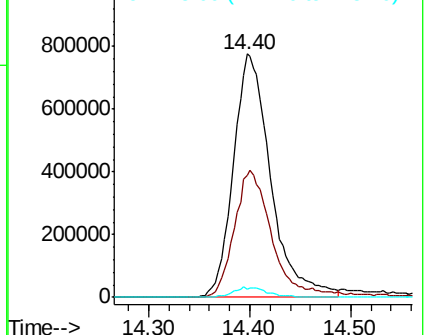
95 100

174 53.8 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



#69

p-Isopropyltoluene

Concen: 0.001 ppbv

RT: 17.62 min Scan# 4612

Delta R.T. -0.06 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

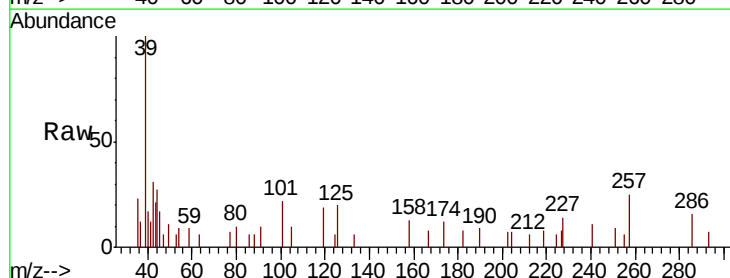
Tgt Ion: 119 Resp: 192

Ion Ratio Lower Upper

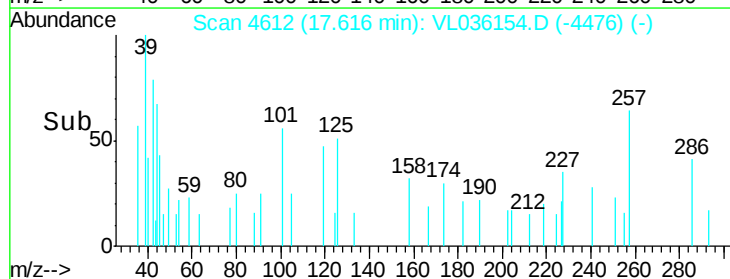
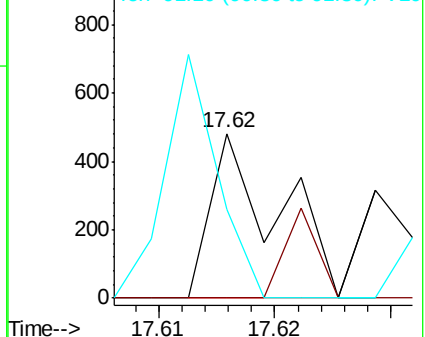
119 100

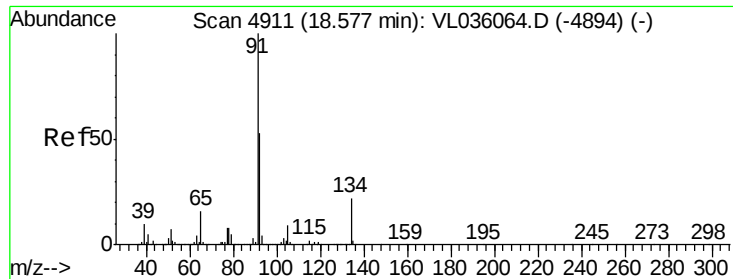
134 0.0 19.8 29.6#

91 254.2 25.8 38.6#



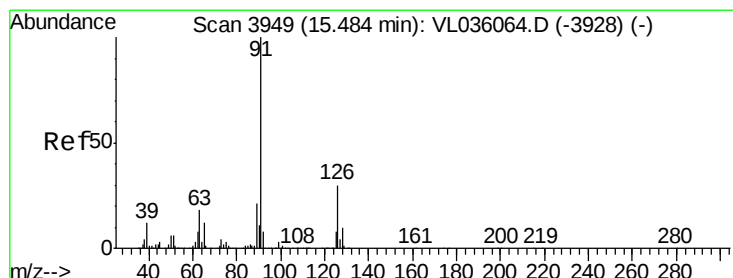
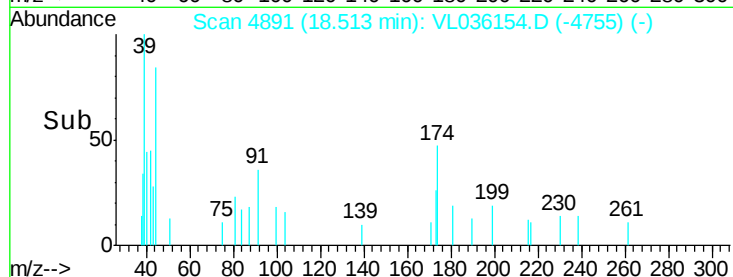
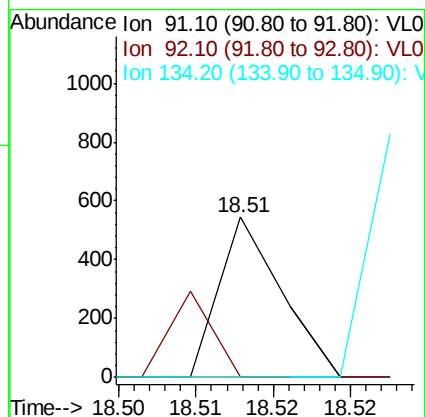
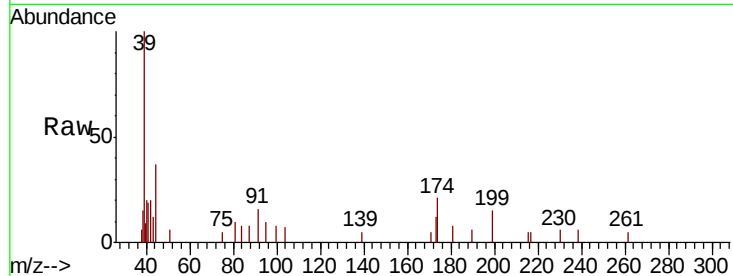
Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): VL0





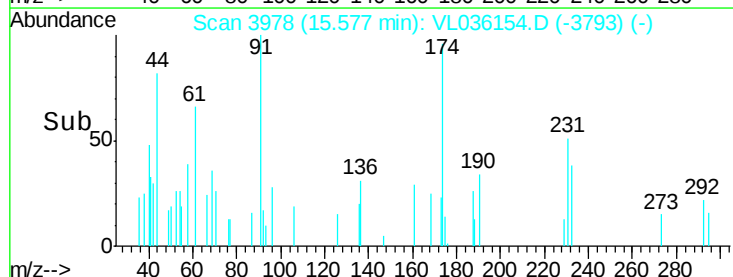
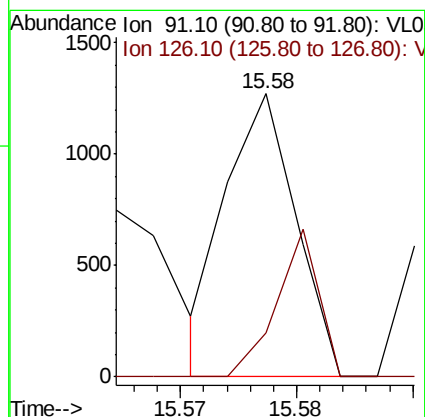
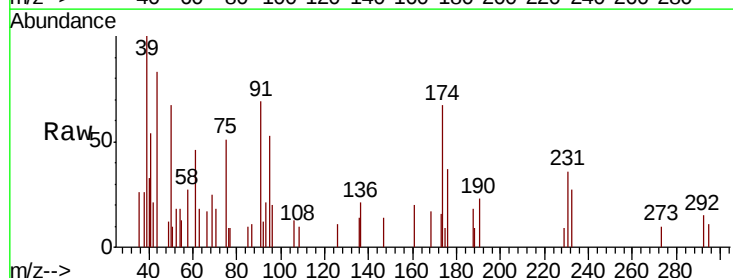
#70
n-Butylbenzene
Concen: 0.000 ppbv
RT: 18.51 min Scan# 4891
Delta R.T. -0.06 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

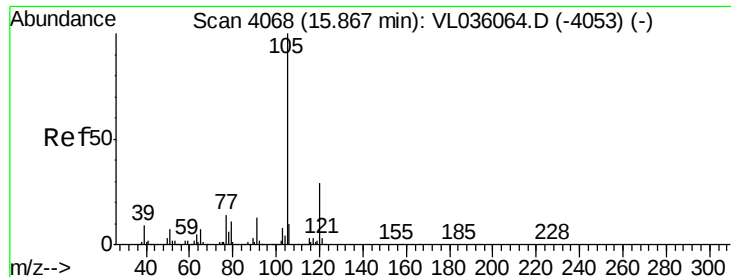
Tot Ion: 91 Resp: 152
Ion Ratio Lower Upper
91 100
92 0.0 43.3 64.9#
134 0.0 17.1 25.7#



#71
2-Chlorotoluene
Concen: 0.002 ppbv
RT: 15.58 min Scan# 3978
Delta R.T. 0.09 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion: 91 Resp: 528
Ion Ratio Lower Upper
91 100
126 40.2 11.6 46.4





#72

4-Ethyltoluene

Concen: 0.001 ppbv

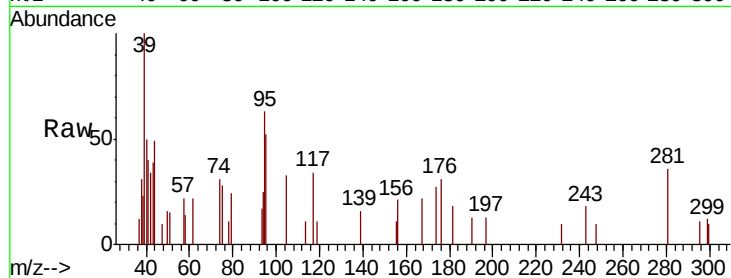
RT: 15.82 min Scan# 4052

Delta R.T. -0.05 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tot Ion:	105	Resp:	164
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.6	35.4#
91	0.0	11.4	17.0#
77	0.0	12.1	18.1#

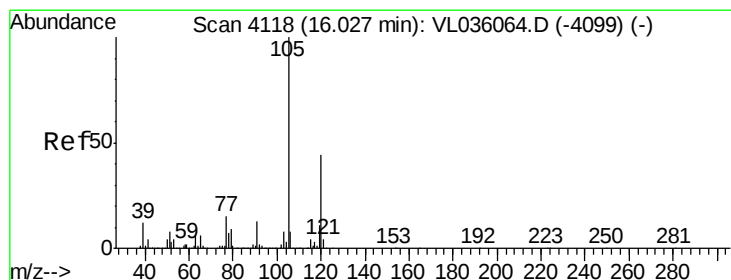
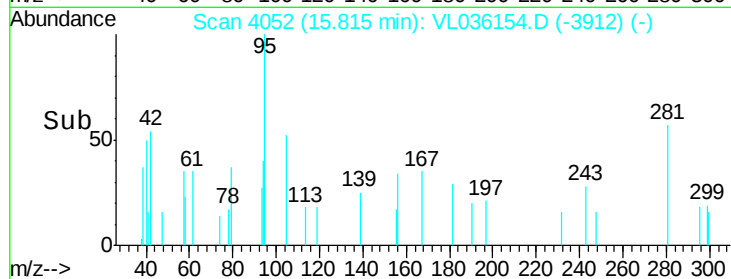
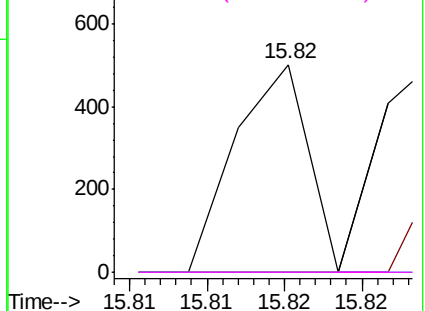


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.001 ppbv

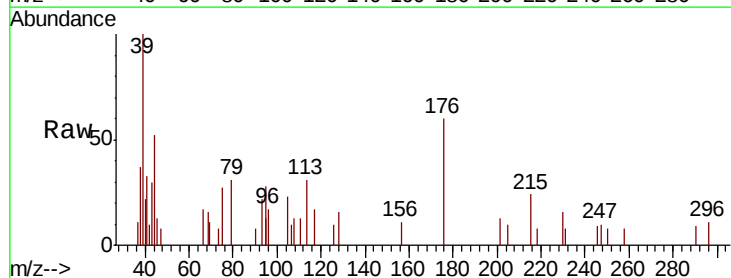
RT: 15.96 min Scan# 4098

Delta R.T. -0.06 min

Lab File: VL036154.D

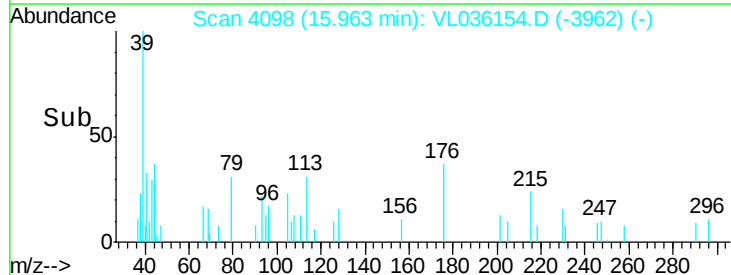
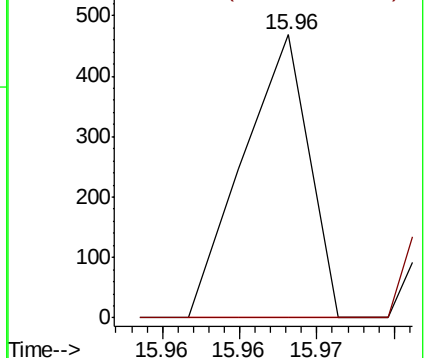
Acq: 11 Dec 2020 7:59

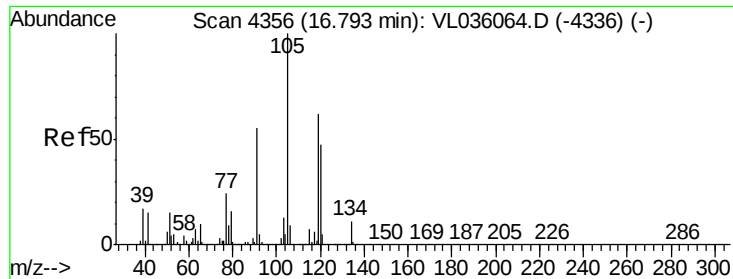
Tgt Ion:	105	Resp:	138
Ion	Ratio	Lower	Upper
105	100		
120	0.0	35.4	53.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

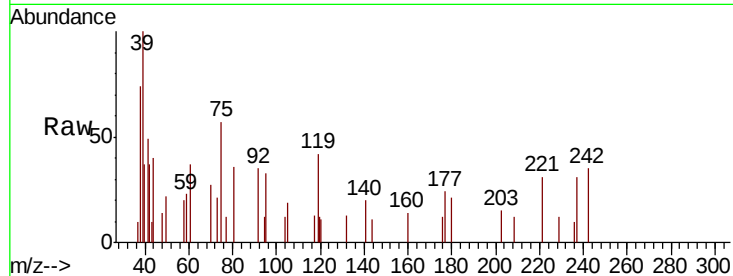




#74

1,2,4-Trimethylbenzene
Concen: 0.001 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. -0.06 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tot Ion:	105	Resp:	139
Ion	Ratio	Lower	Upper
105	100		
120	61.2	37.4	56.0#
91	0.0	45.6	68.4#
77	65.5	19.4	29.2#



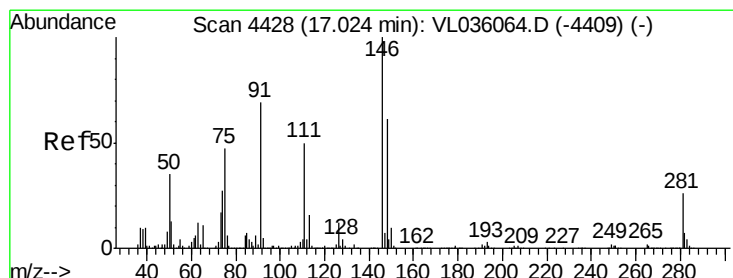
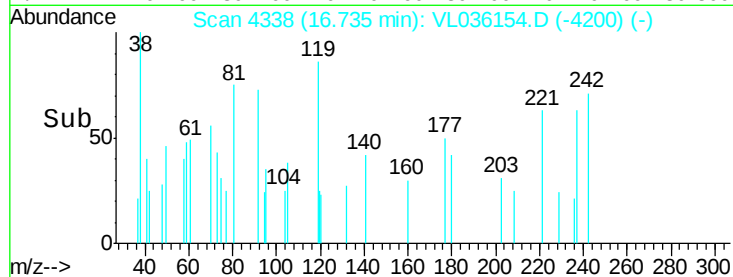
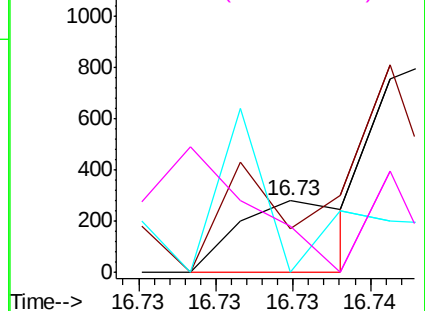
Abundance

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

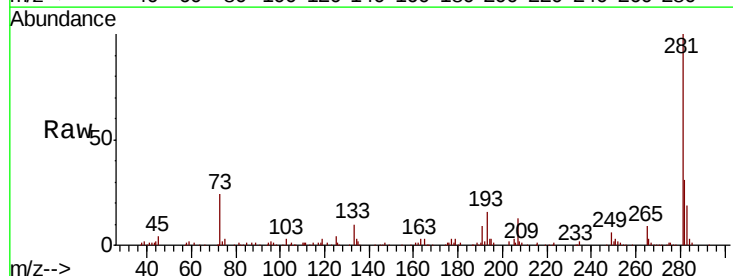
Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.05 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion:	146	Resp:	98
Ion	Ratio	Lower	Upper
146	100		
111	2870.4	25.1	75.3#
148	0.0	32.9	98.6#

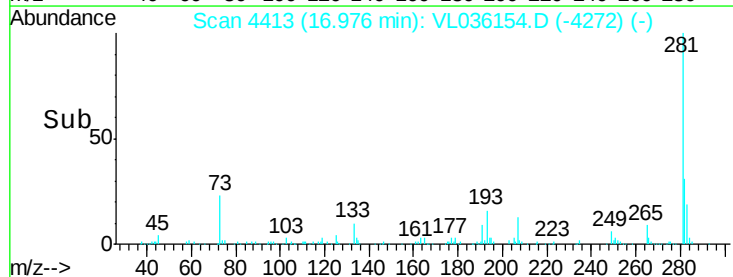
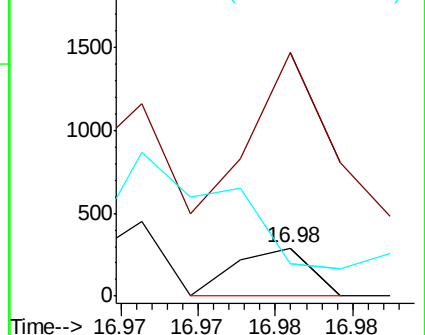


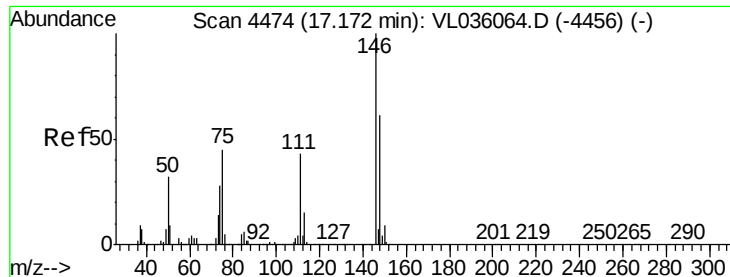
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.002 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.06 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

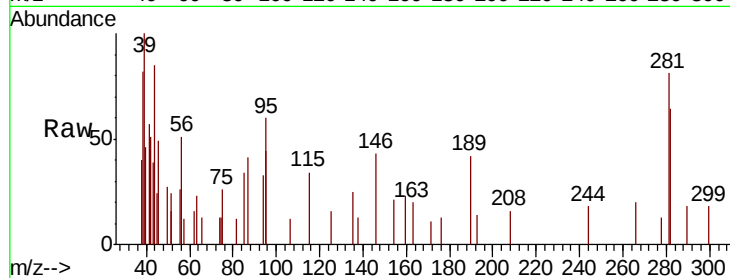
Tot Ion:146 Resp: 263

Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.8#

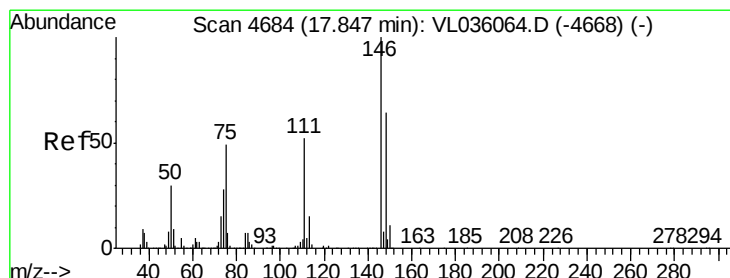
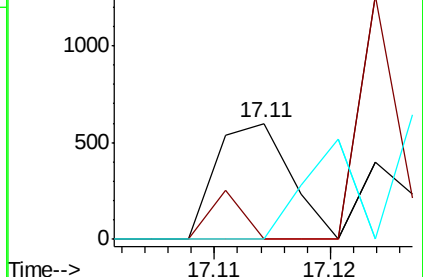
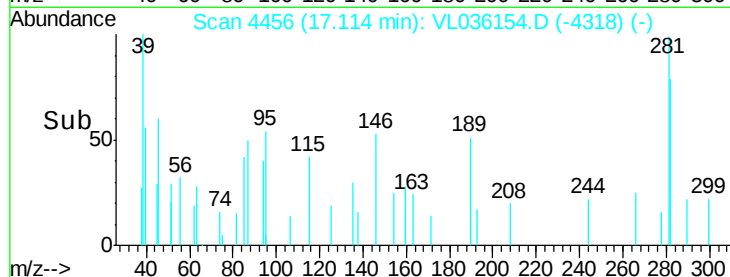
148 0.0 32.8 98.3#



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



#77

1,2-Dichlorobenzene

Concen: 0.003 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. -0.02 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

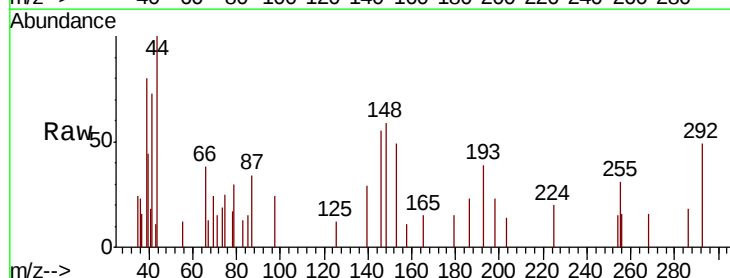
Tgt Ion:146 Resp: 353

Ion Ratio Lower Upper

146 100

111 73.1 26.1 78.2

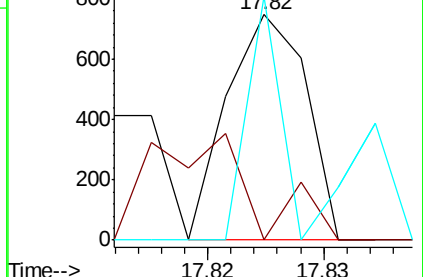
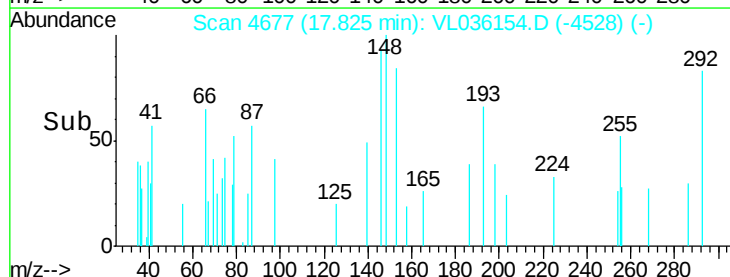
148 98.3 33.1 99.5

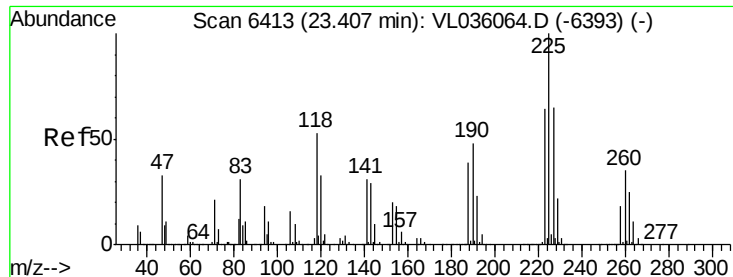


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

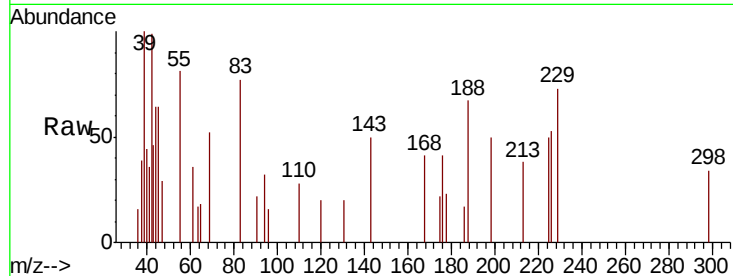




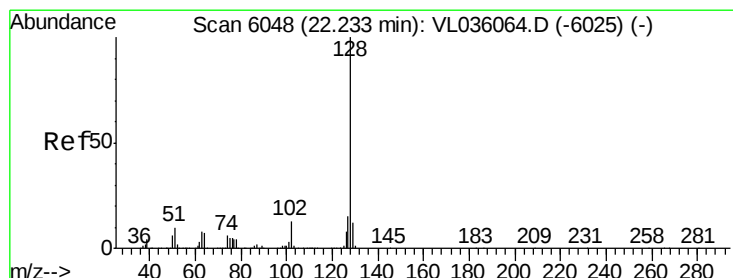
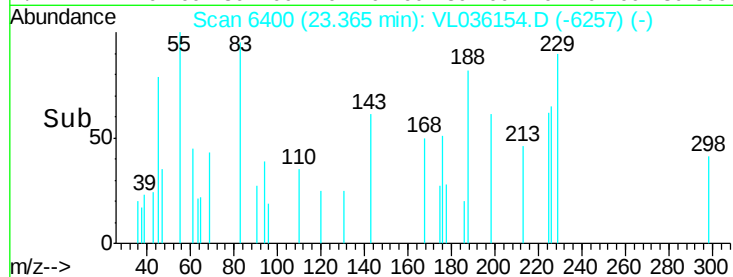
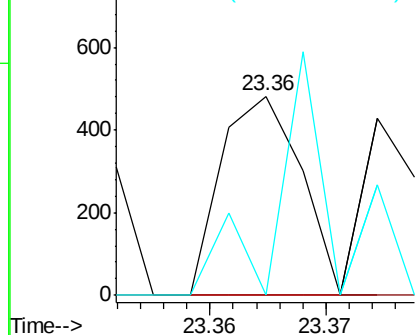
#78

Hexachloro-1,3-Butadiene
 Concen: 0.002 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. -0.04 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

Tot Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.1	76.7#
227	153.3	51.7	77.5#



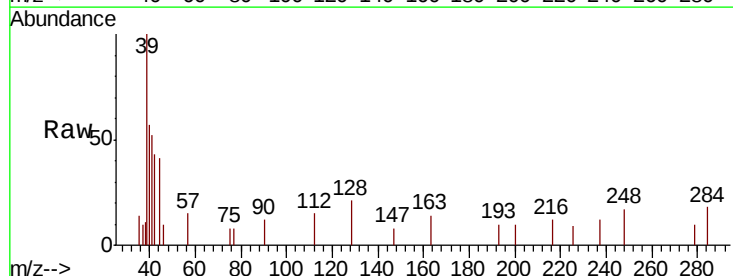
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



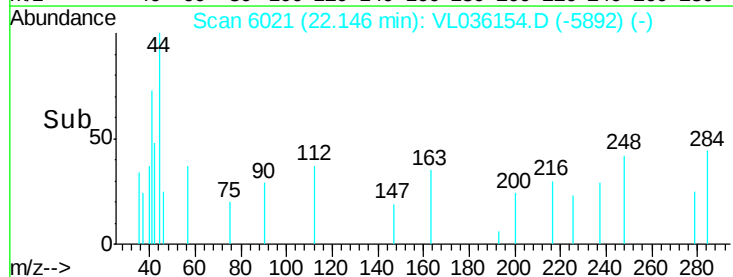
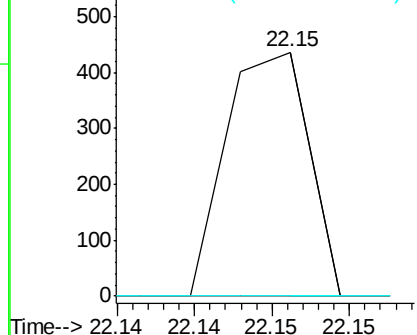
#79

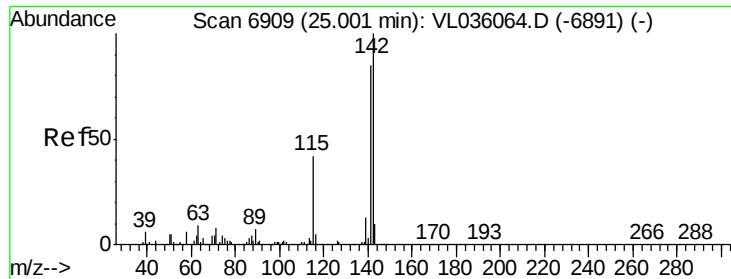
Naphthalene
 Concen: 0.001 ppbv
 RT: 22.15 min Scan# 6021
 Delta R.T. -0.09 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.7	17.5#
129	0.0	9.3	13.9#



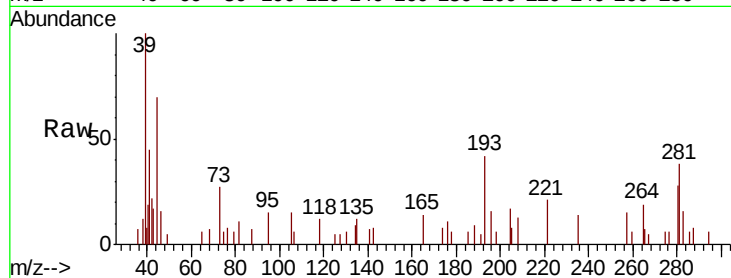
Abundance Ion 128.10 (127.80 to 128.80): V
 Ion 127.10 (126.80 to 127.80): V
 Ion 129.10 (128.80 to 129.80): V



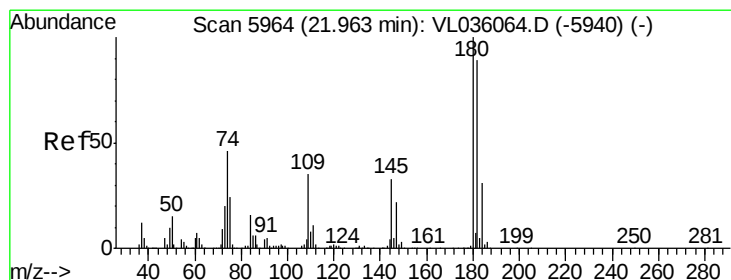
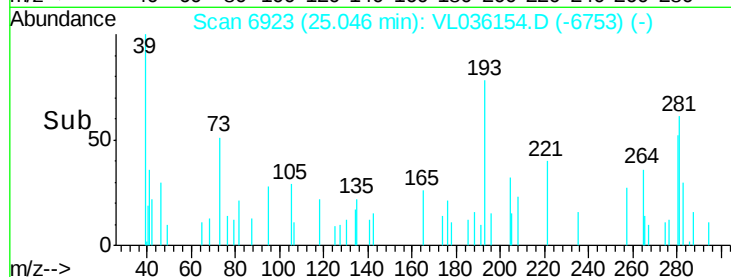
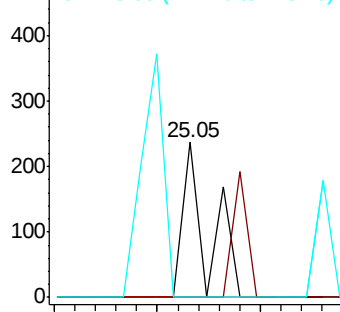


#80
Naphthalene, 2-methyl-
Concen: 0.003 ppbv
RT: 25.05 min Scan# 6923
Delta R.T. 0.05 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tot Ion	Ratio	Lower	Upper
142	100		
141	134.6	64.3	96.5#
115	100.0	33.9	50.9#

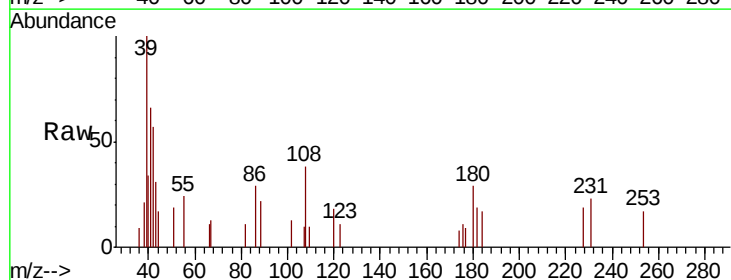


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



#81
1,2,4-Trichlorobenzene
Concen: 0.001 ppbv
RT: 21.92 min Scan# 5952
Delta R.T. -0.04 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	353.0	0.0	0.0#
184	96.0	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

