

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036155.D
 Acq On : 11 Dec 2020 8:37
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 12:13:55 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	1311641	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2525227	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2263842	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1994673	11.10	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	117	0.001 ppbv	# 42
3) Chlorodifluoromethane	3.07	51	203	0.001 ppbv	95
4) Chloromethane	3.12	50	897	0.012 ppbv	# 42
5) Vinyl Chloride	3.24	62	156	0.002 ppbv	# 44
6) Bromomethane	3.54	94	30	0.001 ppbv	# 1
7) Chloroethane	3.54	64	90	0.003 ppbv	# 40
8) Dichlorotetrafluoroethane	3.17	85	66	0.000 ppbv	84
9) Propene	3.33	41	324	0.004 ppbv	98
10) Heptane	8.09	43	402	0.002 ppbv	# 1
11) Trichlorofluoromethane	3.95	101	42	0.000 ppbv	# 19
12) 1,1,2-Trichlorotrifluoroet	4.06	101	81	0.001 ppbv	88
13) Ethanol	3.60	45	39	0.004 ppbv	# 1
14) Bromoethene	3.74	108	116	0.002 ppbv	# 1
15) Acetone	3.85	43	21689m	0.138 ppbv	
16) 1,3-Butadiene	3.31	39	295	0.004 ppbv	# 68
17) tert-Butyl alcohol	4.29	59	94	0.001 ppbv	# 1
18) 1,1-Dichloroethene	4.26	96	120	0.002 ppbv	# 1
19) Isopropyl Alcohol	3.97	45	109	0.001 ppbv	# 100
20) Methylene Chloride	4.33	84	6292m	0.097 ppbv	
21) Allyl Chloride	4.39	41	32	0.000 ppbv	# 1
22) trans-1,2-Dichloroethene	4.87	96	239	0.004 ppbv	# 79
23) Vinyl Acetate	5.06	43	658	0.003 ppbv	# 67
24) 1,1-Dichloroethane	4.99	63	179	0.001 ppbv	# 62
25) Ethyl Acetate	5.65	43	249	0.001 ppbv	# 1
26) Hexane	5.67	57	558	0.004 ppbv	# 1
27) Carbon Disulfide	4.53	76	65	0.000 ppbv	# 1
28) Methyl tert-Butyl Ether	5.02	73	78	0.000 ppbv	# 1
29) Chloroform	5.73	83	444	0.002 ppbv	93
30) Cyclohexane	7.11	84	210	0.002 ppbv	# 1
31) cis-1,2-Dichloroethene	5.53	61	590	0.005 ppbv	# 27
32) 1,1,1-Trichloroethane	6.49	97	126	0.001 ppbv	# 1
34) 2-Butanone	5.23	43	564	0.003 ppbv	# 56
35) Carbon Tetrachloride	7.00	117	93	0.001 ppbv	# 13
36) Benzene	6.87	78	736	0.003 ppbv	# 56
37) 1,2-Dichloroethane	6.29	62	318	0.003 ppbv	# 83
38) Trichloroethene	7.81	130	144	0.002 ppbv	# 15
40) 1,4-Dioxane	7.81	88	93	0.003 ppbv	# 1
41) Tetrahydrofuran	6.02	42	270	0.003 ppbv	# 57
42) Bromodichloromethane	7.77	83	288	0.002 ppbv	# 58
43) Methyl Methacrylate	7.99	69	64	0.001 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.84	57	790	0.002 ppbv	# 41

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Quant Time: Dec 11 12:13:55 2020

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

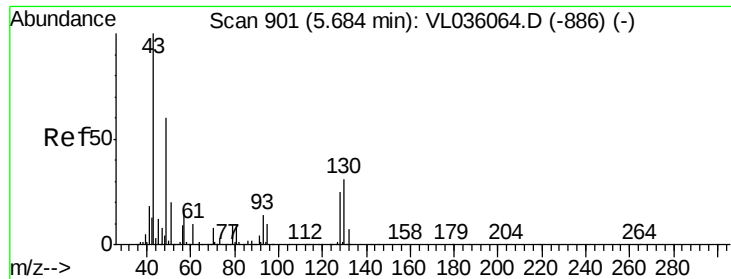
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.45	75	127	0.001	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	70	0.001	ppbv #	20
47) 1,1,2-Trichloroethane	9.44	97	93	0.001	ppbv #	36
48) Dibromochloromethane	10.29	129	228	0.002	ppbv	84
49) Bromoform	13.02	173	45	0.000	ppbv #	26
50) 4-Methyl-2-Pentanone	8.72	43	225	0.001	ppbv #	58
51) 2-Hexanone	10.13	43	236	0.001	ppbv #	29
52) Tetrachloroethene	11.19	164	134	0.002	ppbv #	10
53) Toluene	9.62	91	138	0.001	ppbv	86
54) 1,2-Dibromoethane	10.66	107	58	0.000	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.11	131	296	0.003	ppbv #	67
57) Chlorobenzene	12.14	112	246	0.002	ppbv #	36
58) Ethyl Benzene	12.70	91	367	0.001	ppbv	97
59) m/p-Xylene	12.98	91	396	0.002	ppbv #	1
60) o-Xylene	13.71	91	169	0.001	ppbv	76
61) Styrene	13.51	104	199	0.001	ppbv #	49
62) Isopropylbenzene	14.64	105	130	0.000	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	13.65	83	150	0.001	ppbv #	25
64) n-propylbenzene	15.57	120	90	0.001	ppbv #	1
65) tert-Butylbenzene	16.73	119	99	0.000	ppbv #	15
66) Benzyl Chloride	16.95	91	201	0.003	ppbv #	1
67) sec-Butylbenzene	17.27	105	39	0.000	ppbv #	1
69) p-Isopropyltoluene	17.64	119	147	0.000	ppbv #	1
70) n-Butylbenzene	18.54	91	387	0.001	ppbv #	80
71) 2-Chlorotoluene	15.43	91	506	0.002	ppbv #	46
72) 4-Ethyltoluene	15.82	105	276	0.001	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.98	105	414	0.002	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.73	105	274	0.001	ppbv #	35
75) 1,3-Dichlorobenzene	16.96	146	295	0.002	ppbv #	1
76) 1,4-Dichlorobenzene	17.11	146	178	0.001	ppbv #	1
77) 1,2-Dichlorobenzene	17.81	146	162	0.001	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.36	225	162	0.002	ppbv #	57
79) Naphthalene	22.17	128	101	0.001	ppbv #	1
80) Naphthalene,2-methyl-	24.97	142	72	0.002	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.94	180	124	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: VL036155.D

Acq: 11 Dec 2020 8:37

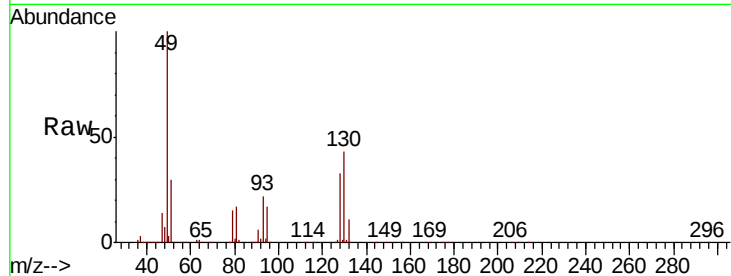
Tot Ion: 49 Resp: 1311641

Ion Ratio Lower Upper

49 100

128 34.5 21.1 63.1

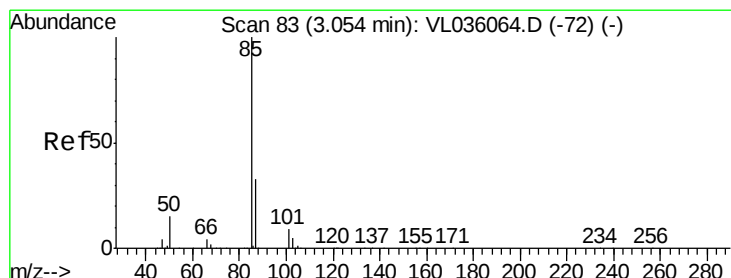
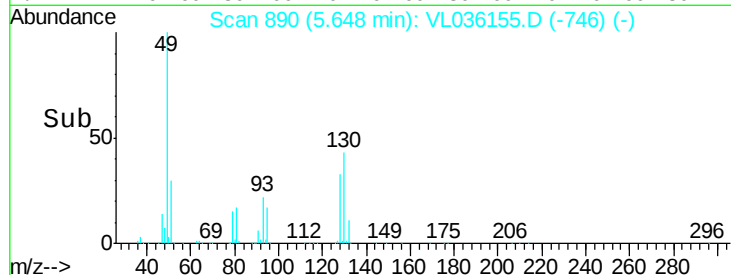
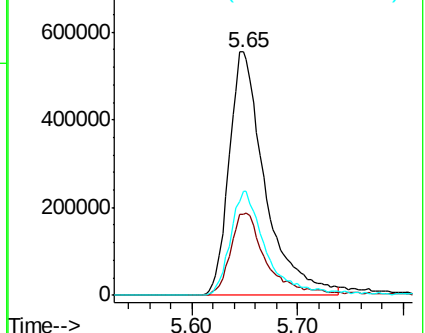
130 43.2 27.1 81.3



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



#2

Dichlorodifluoromethane

Concen: 0.001 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL036155.D

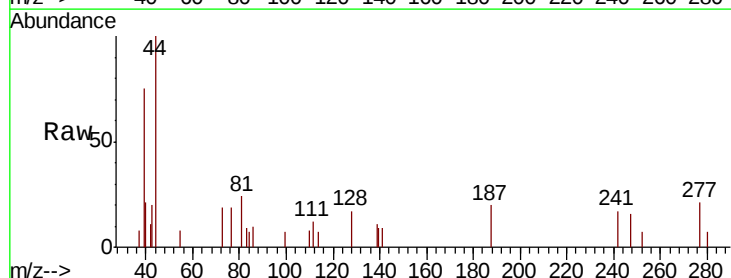
Acq: 11 Dec 2020 8:37

Tgt Ion: 85 Resp: 117

Ion Ratio Lower Upper

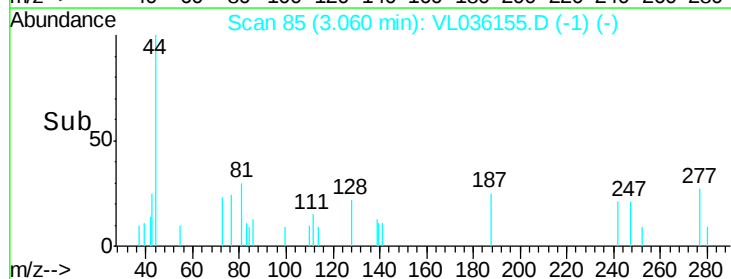
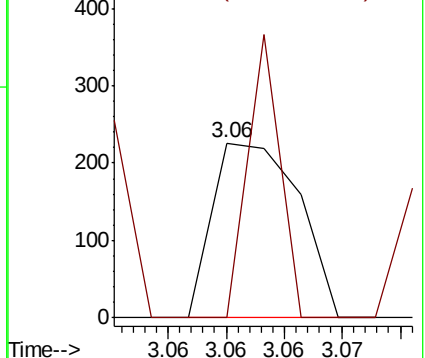
85 100

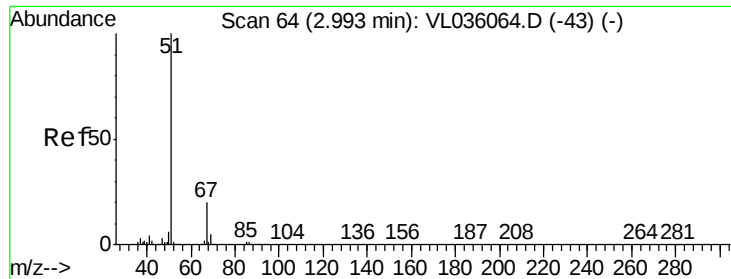
87 0.0 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

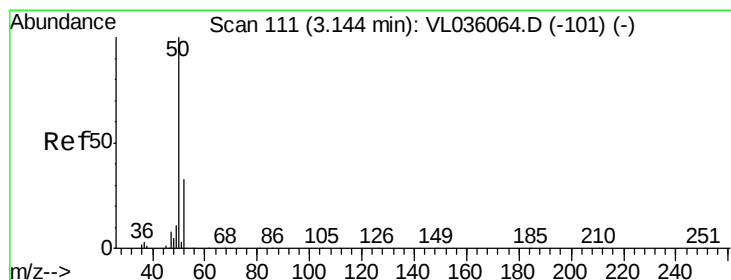
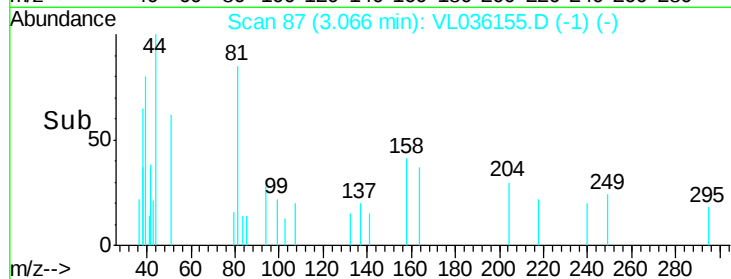
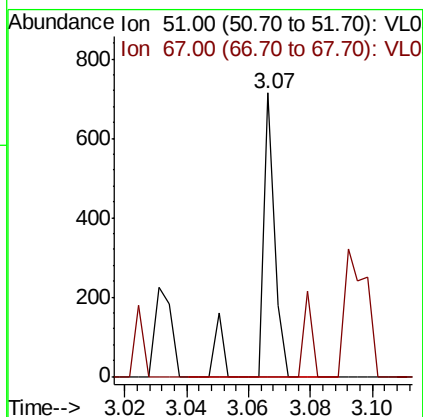
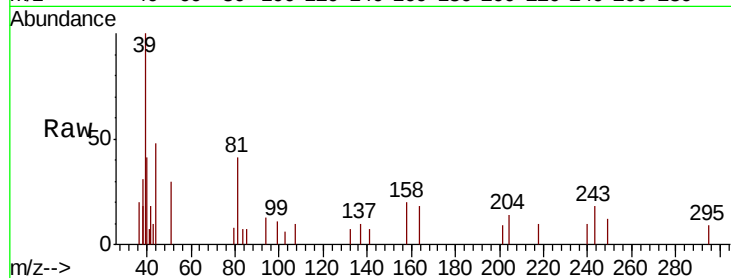
Ion 87.00 (86.70 to 87.70): VL0





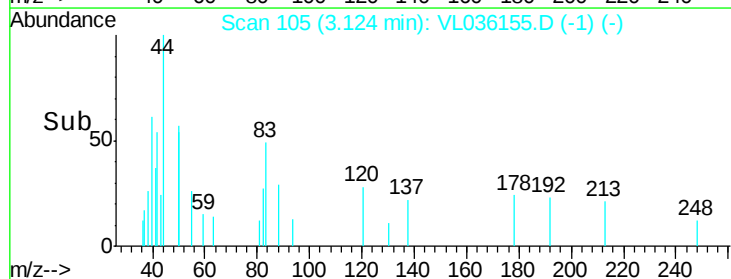
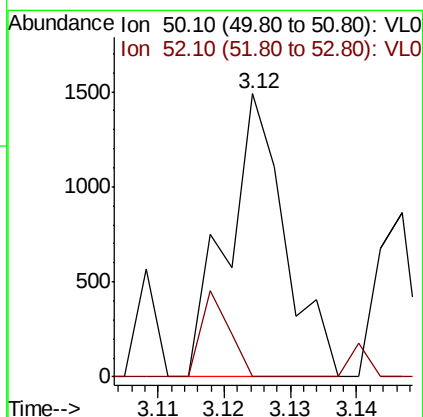
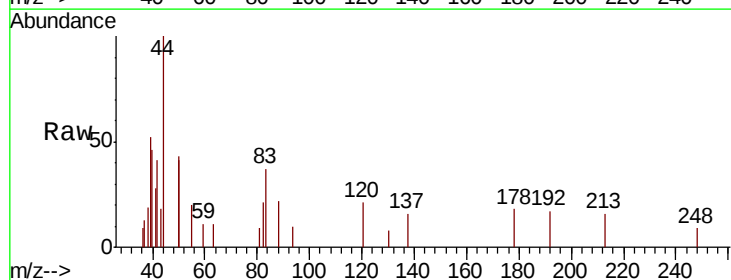
#3
Chlorodifluoromethane
Concen: 0.001 ppbv
RT: 3.07 min Scan# 87
Delta R.T. 0.07 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

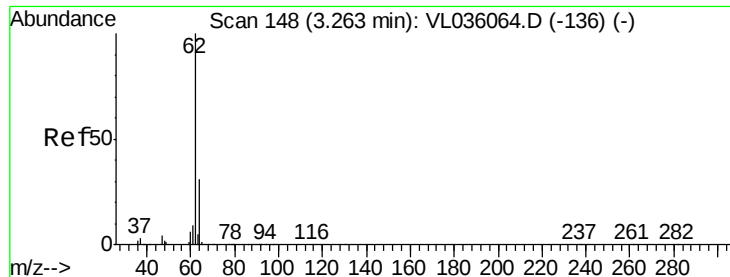
Tot Ion: 51 Resp: 203
Ion Ratio Lower Upper
51 100
67 20.2 14.3 21.5



#4
Chloromethane
Concen: 0.012 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.02 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tgt Ion: 50 Resp: 897
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#





#5

Vinyl Chloride

Concen: 0.002 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.03 min

Lab File: VL036155.D

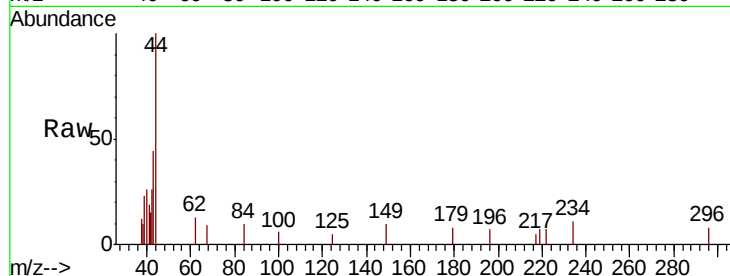
Acq: 11 Dec 2020 8:37

Tot Ion: 62 Resp: 156

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

3.24

400

300

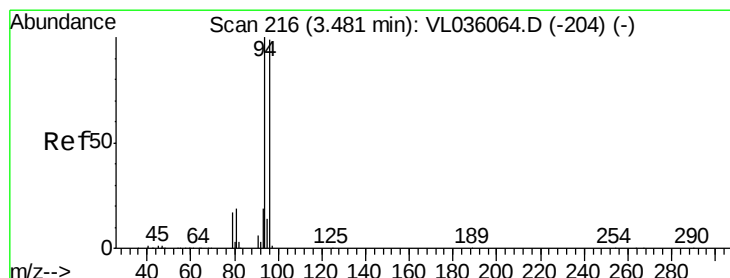
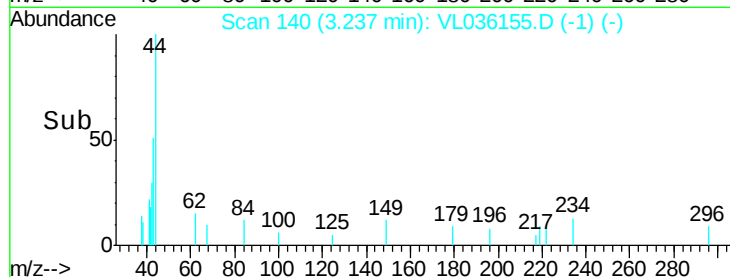
200

100

0

3.23 3.23 3.24

Time-->



#6

Bromomethane

Concen: 0.001 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.06 min

Lab File: VL036155.D

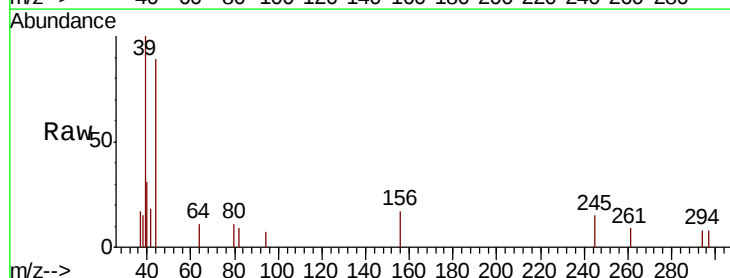
Acq: 11 Dec 2020 8:37

Tgt Ion: 94 Resp: 30

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

3.54

150

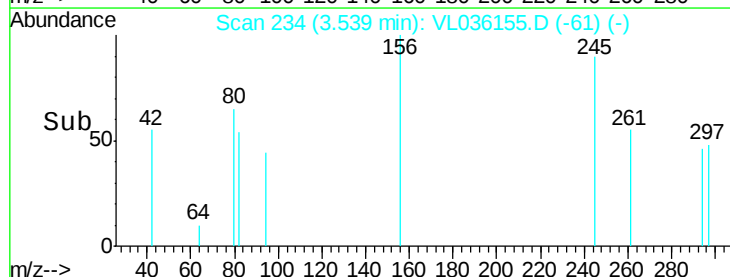
100

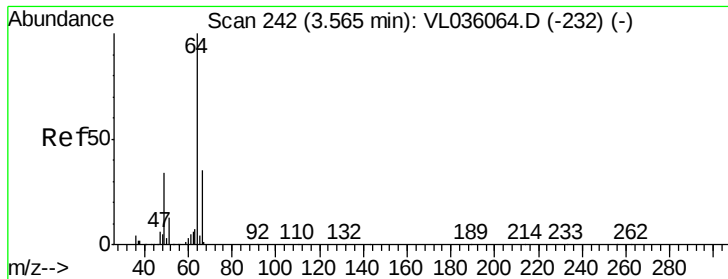
50

0

3.54 3.54

Time-->





#7

Chloroethane

Concen: 0.003 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.03 min

Lab File: VL036155.D

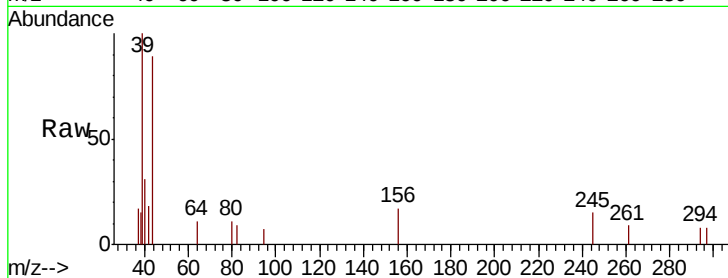
Acq: 11 Dec 2020 8:37

Tot Ion: 64 Resp: 90

Ion Ratio Lower Upper

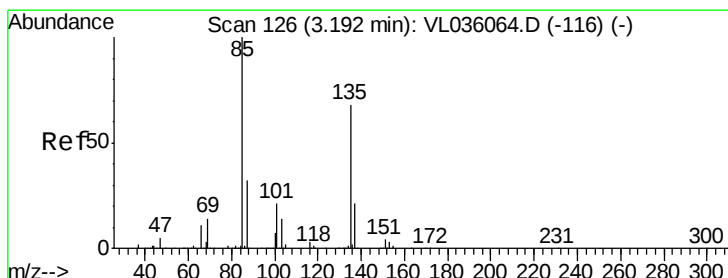
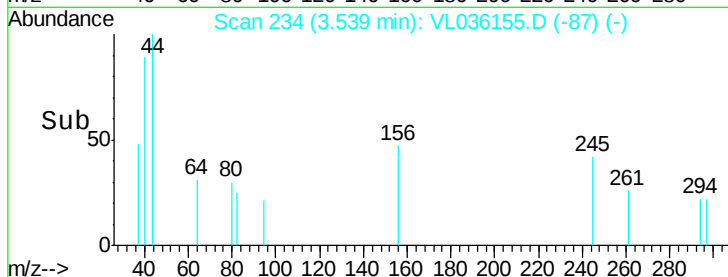
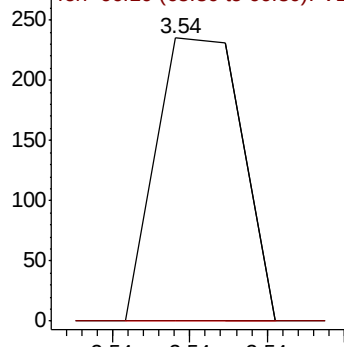
64 100

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: 3.17 min Scan# 119

Delta R.T. -0.02 min

Lab File: VL036155.D

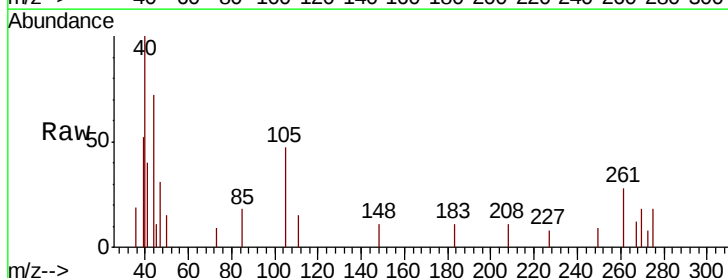
Acq: 11 Dec 2020 8:37

Tgt Ion: 85 Resp: 66

Ion Ratio Lower Upper

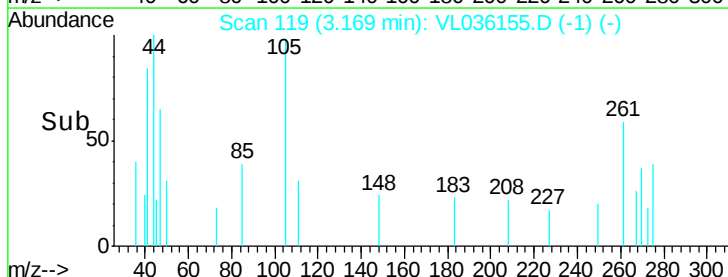
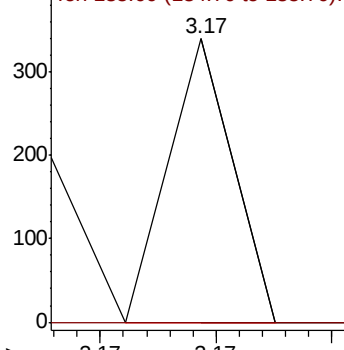
85 100

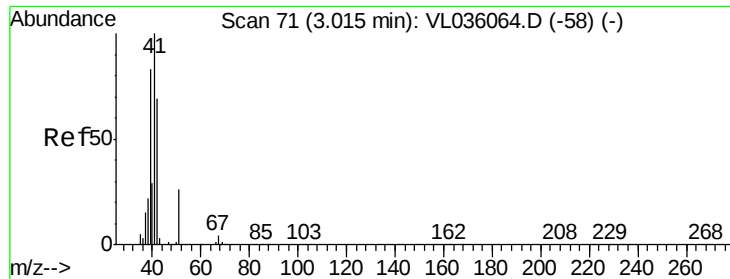
135 80.3 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.004 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.31 min

Lab File: VL036155.D

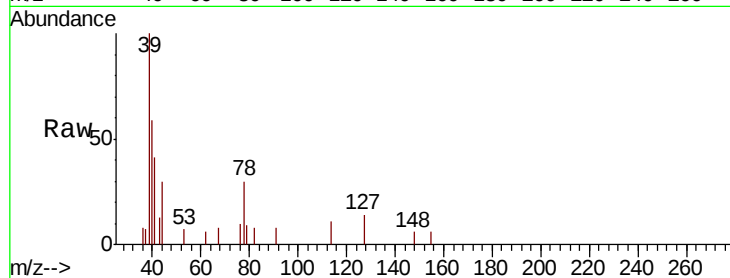
Acq: 11 Dec 2020 8:37

Tot Ion: 41 Resp: 324

Ion Ratio Lower Upper

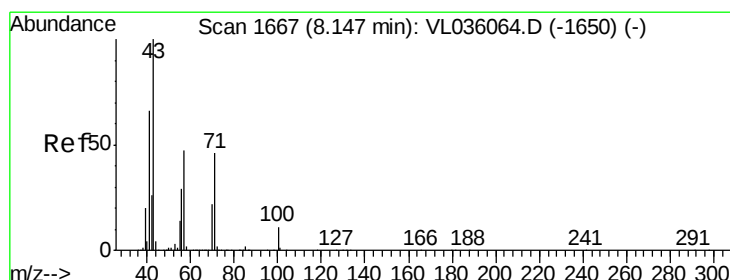
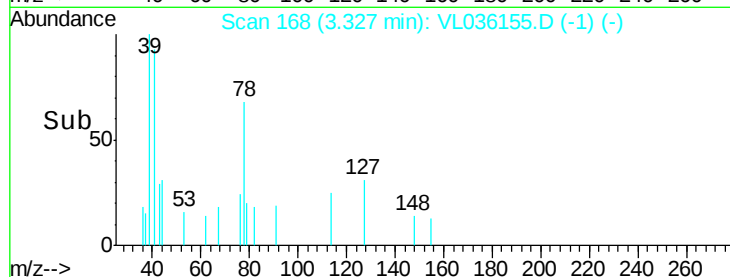
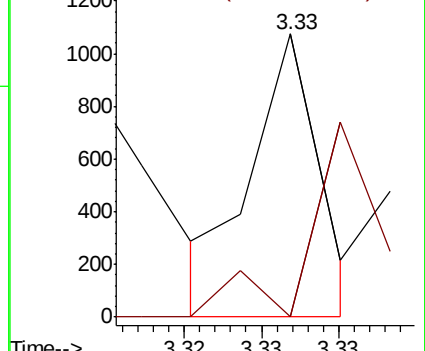
41 100

42 69.4 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.002 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.05 min

Lab File: VL036155.D

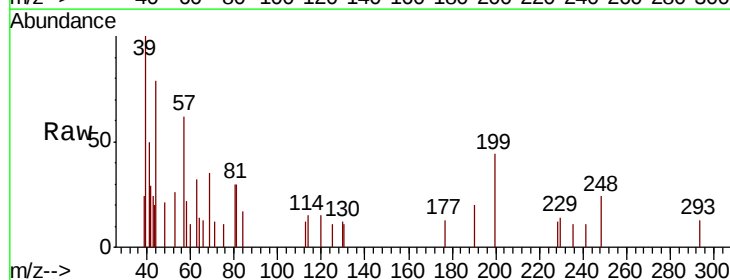
Acq: 11 Dec 2020 8:37

Tgt Ion: 43 Resp: 402

Ion Ratio Lower Upper

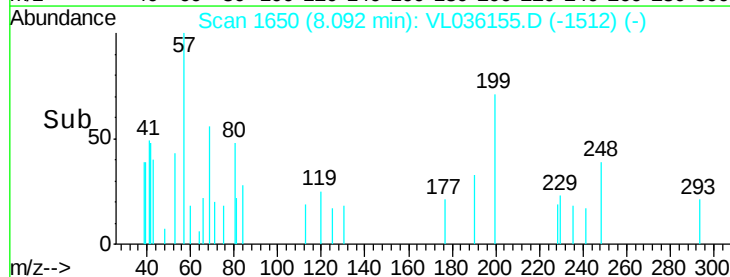
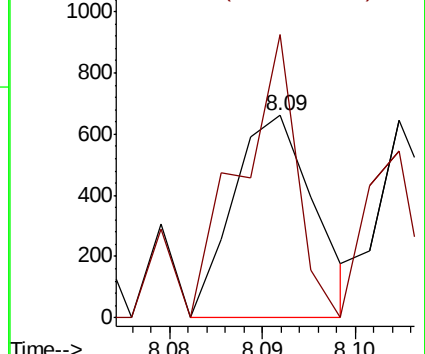
43 100

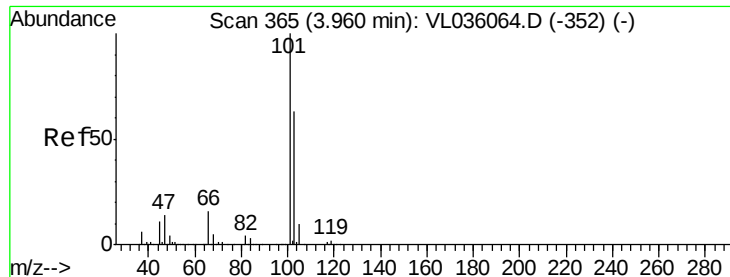
57 157.0 37.9 56.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.000 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL036155.D

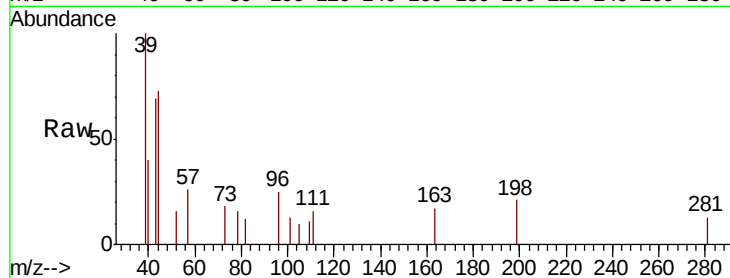
Acq: 11 Dec 2020 8:37

Tot Ion:101 Resp: 42

Ion Ratio Lower Upper

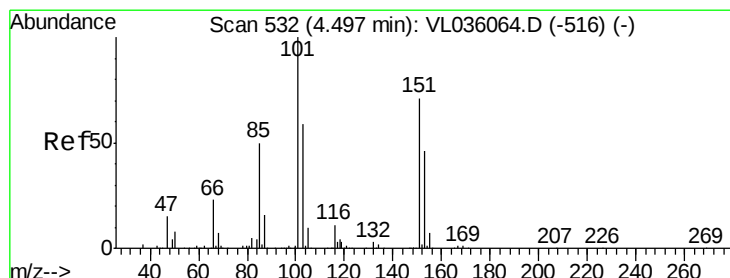
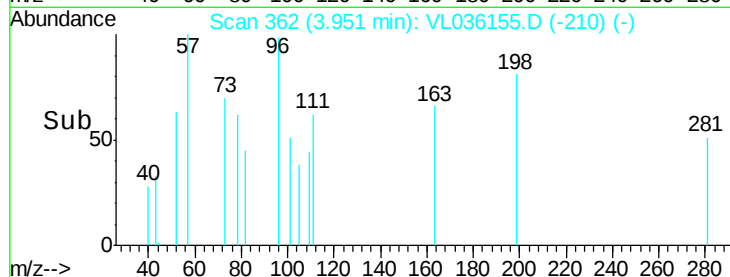
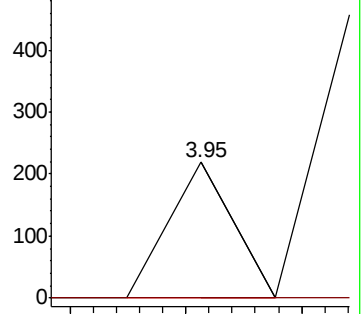
101 100

103 0.0 50.3 75.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.001 ppbv

RT: 4.06 min Scan# 396

Delta R.T. -0.44 min

Lab File: VL036155.D

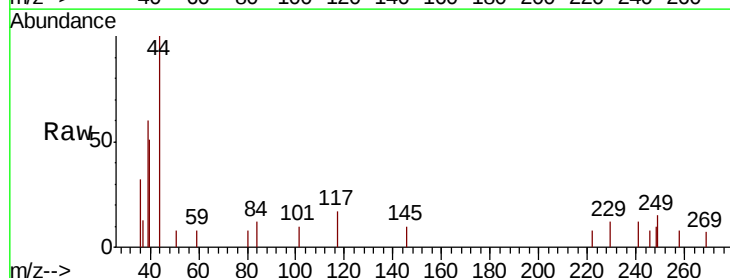
Acq: 11 Dec 2020 8:37

Tgt Ion:101 Resp: 81

Ion Ratio Lower Upper

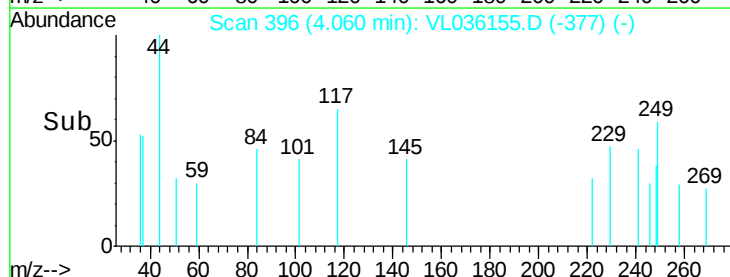
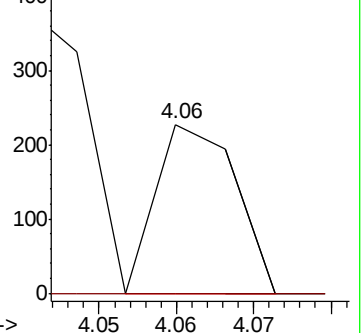
101 100

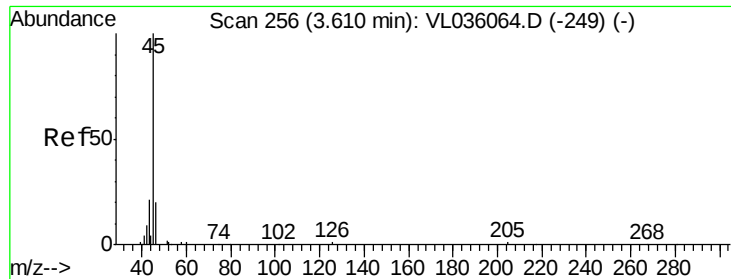
151 84.0 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.004 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036155.D

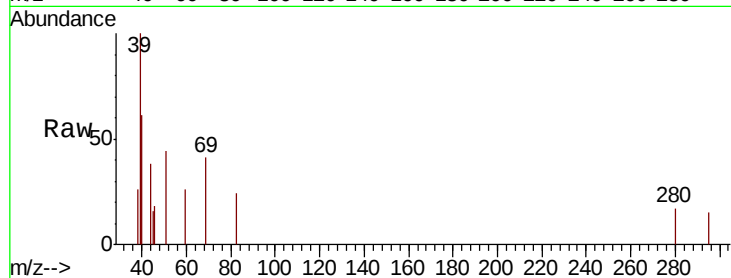
Acq: 11 Dec 2020 8:37

Tot Ion: 45 Resp: 39

Ion Ratio Lower Upper

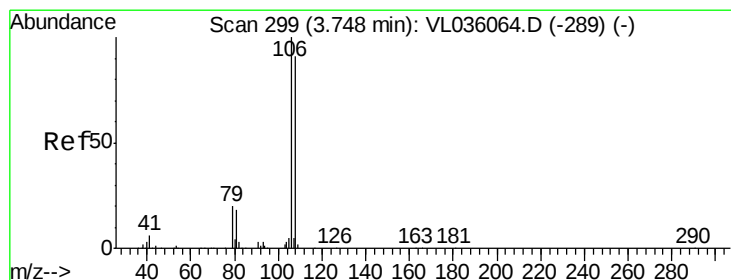
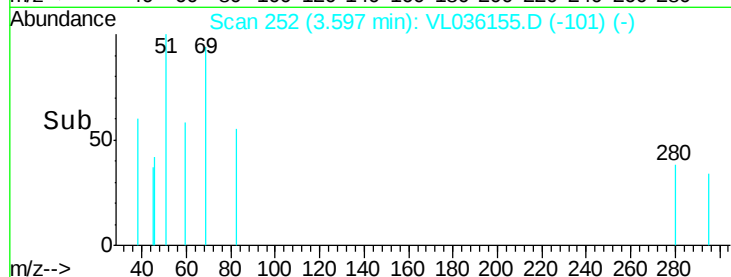
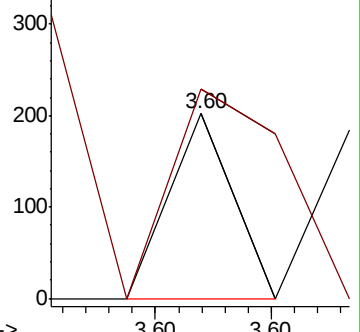
45 100

46 617.9 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: 0.002 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.01 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

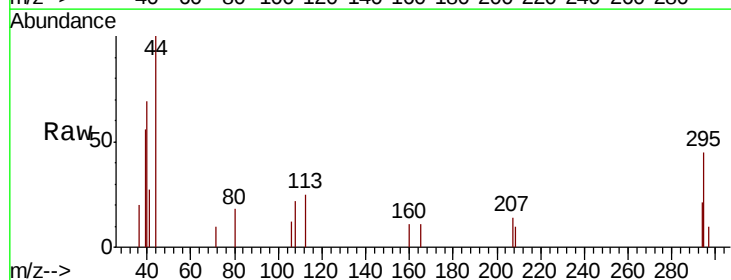
Tgt Ion: 108 Resp: 116

Ion Ratio Lower Upper

108 100

106 376.7 91.0 136.4#

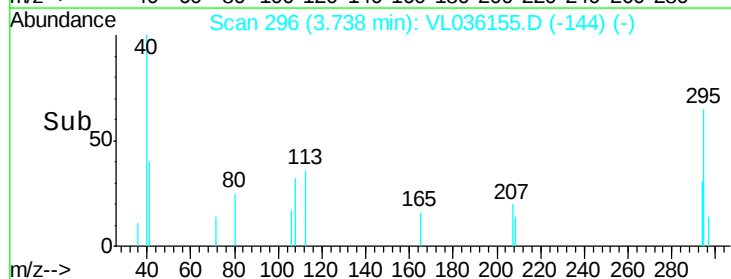
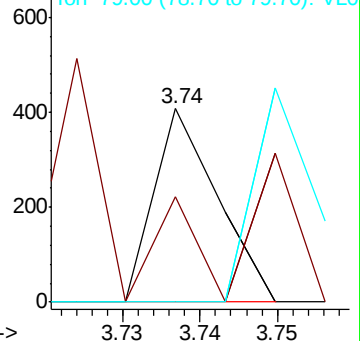
79 319.0 19.3 28.9#

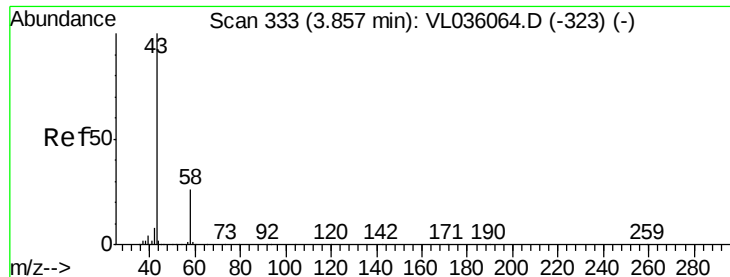


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.138 ppbv m

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL036155.D

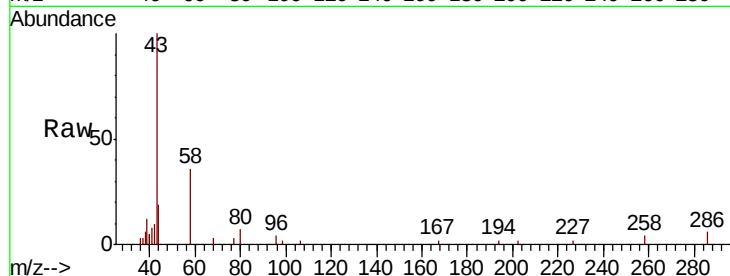
Acq: 11 Dec 2020 8:37

Tot Ion: 43 Resp: 21689

Ion Ratio Lower Upper

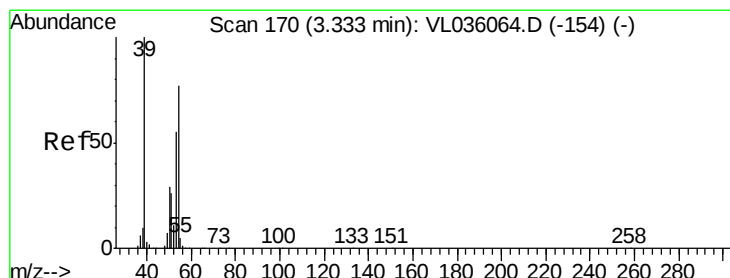
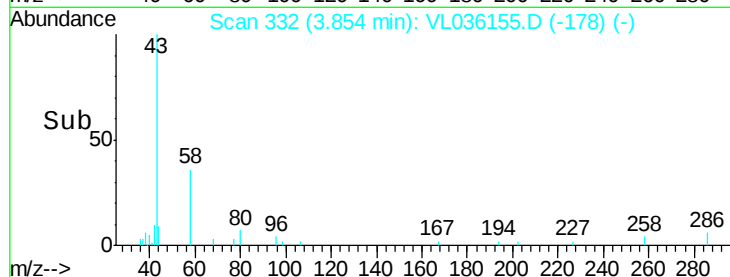
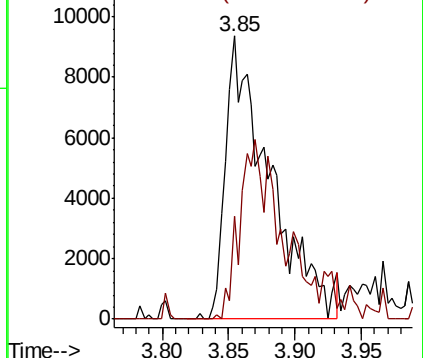
43 100

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



#16

1,3-Butadiene

Concen: 0.004 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL036155.D

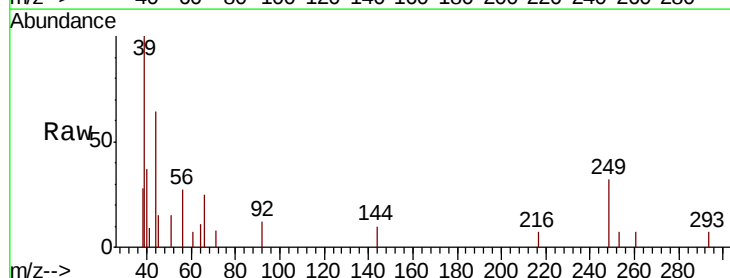
Acq: 11 Dec 2020 8:37

Tgt Ion: 39 Resp: 295

Ion Ratio Lower Upper

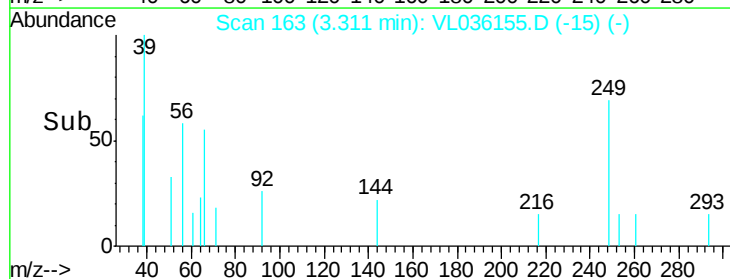
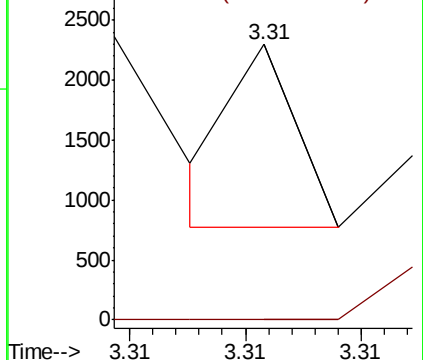
39 100

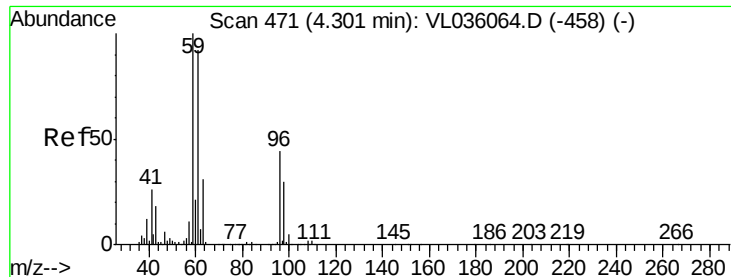
54 49.8 62.1 93.1#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

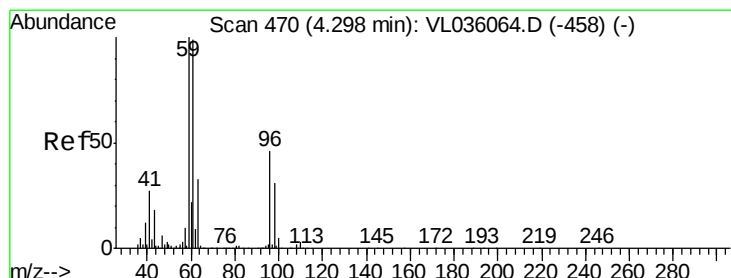
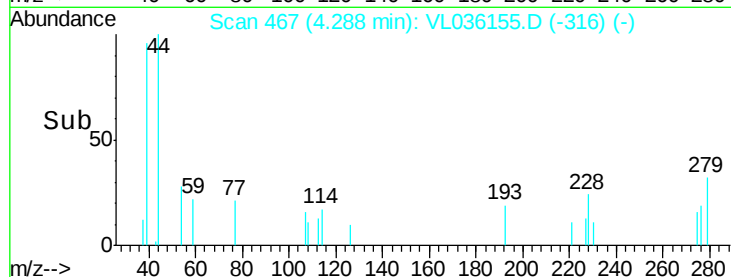
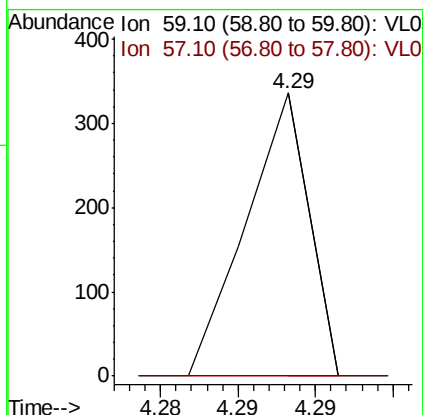
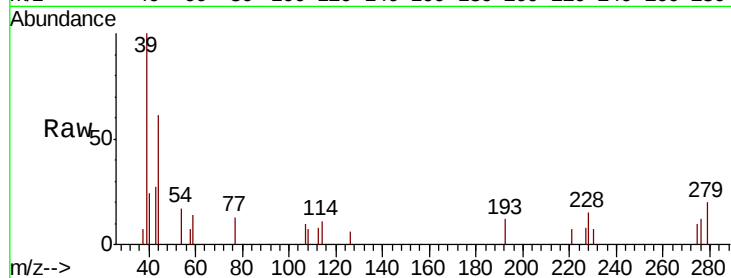




#17

tert-Butyl alcohol
Concen: 0.001 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

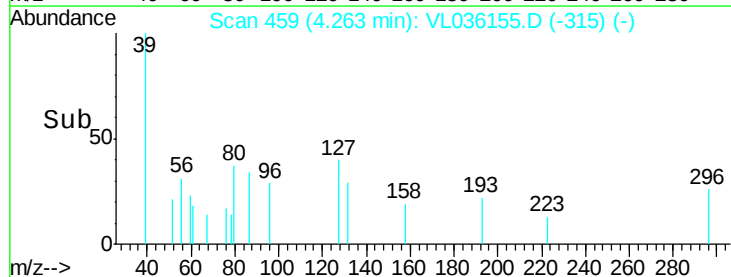
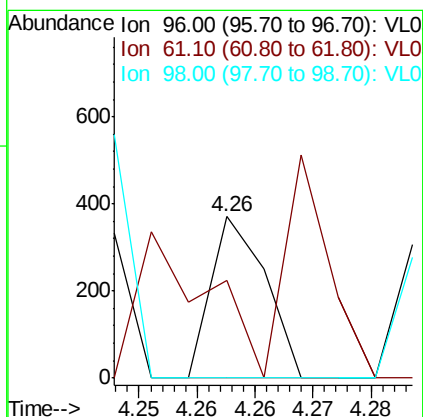
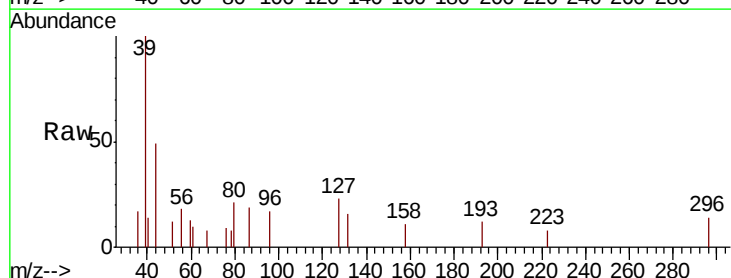
Tot Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 87.2 8.7 13.1#

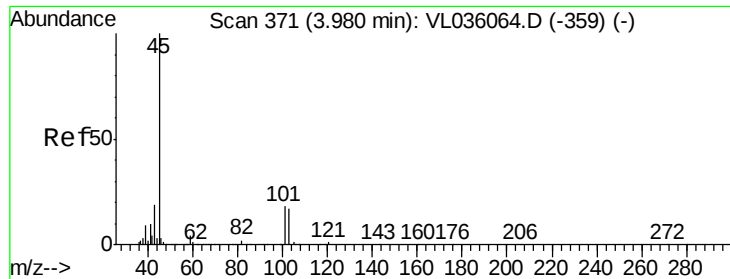


#18

1,1-Dichloroethene
Concen: 0.002 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.04 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tgt Ion: 96 Resp: 120
Ion Ratio Lower Upper
96 100
61 13.8 171.4 257.2#
98 0.0 54.2 81.2#





#19

Isopropyl Alcohol

Concen: 0.001 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.01 min

Lab File: VL036155.D

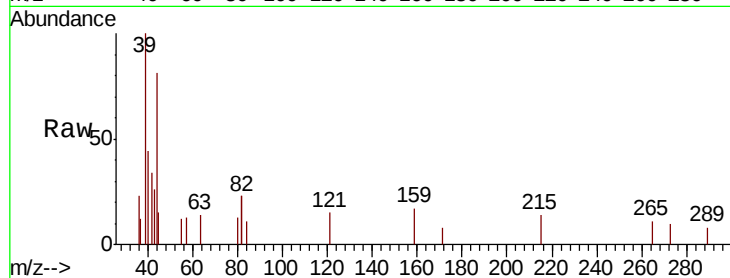
Acq: 11 Dec 2020 8:37

Tot Ion: 45 Resp: 109

Ion Ratio Lower Upper

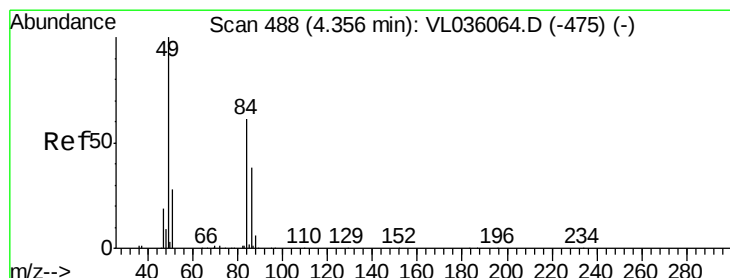
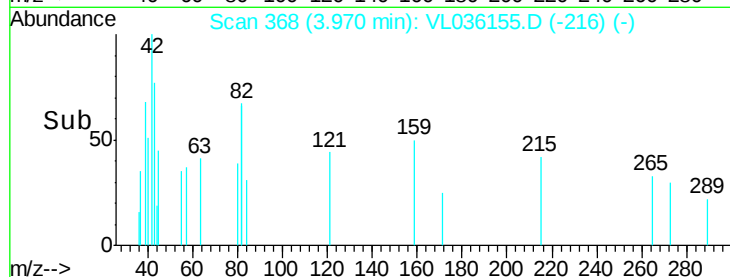
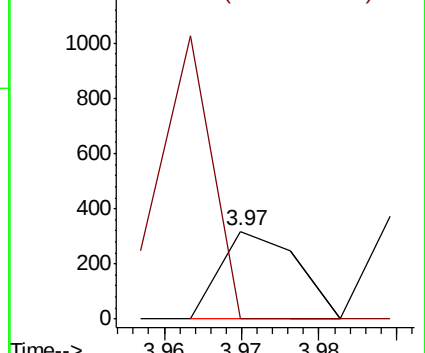
45 100

58 0.0 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: 0.097 ppbv m

RT: 4.33 min Scan# 479

Delta R.T. -0.03 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tgt Ion: 84 Resp: 6292

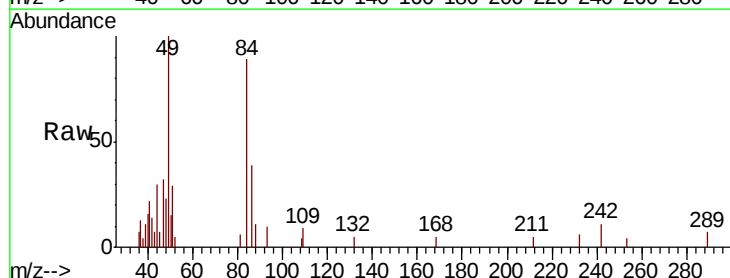
Ion Ratio Lower Upper

84 100

49 112.4 133.0 199.4#

51 32.6 38.9 58.3#

86 43.9 48.8 73.2#

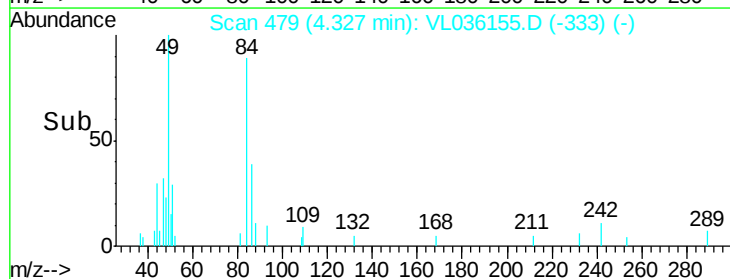
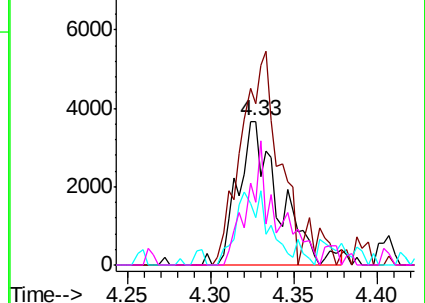


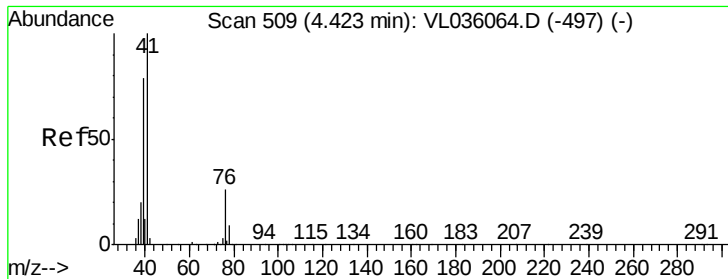
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

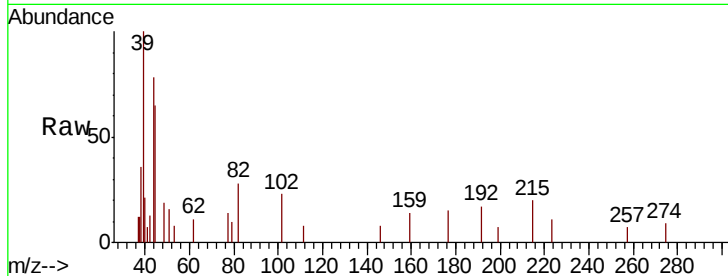
Ion 86.00 (85.70 to 86.70): VL0



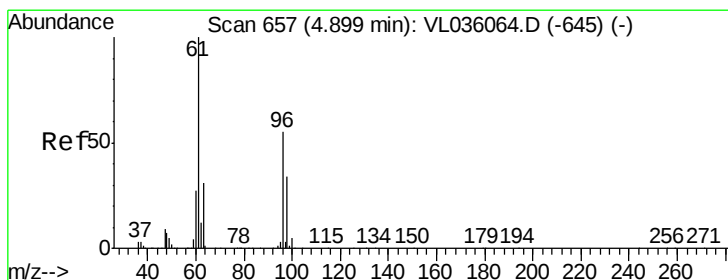
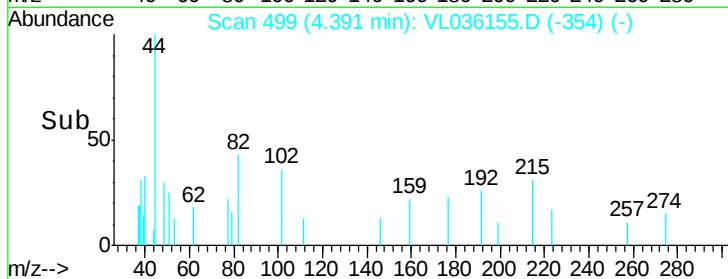
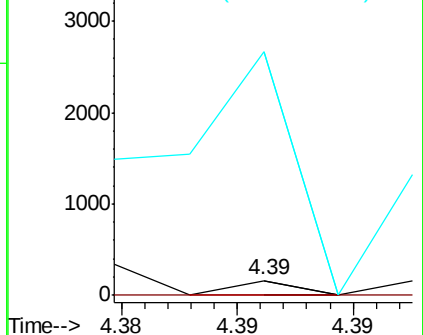


#21
Allvl Chloride
Concen: 0.000 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.03 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tot Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.0	31.4#
39	5040.6	66.0	99.0#

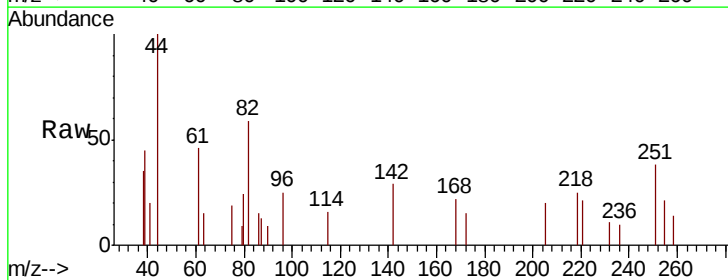


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

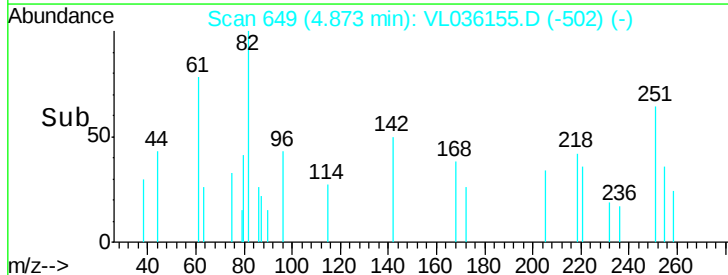
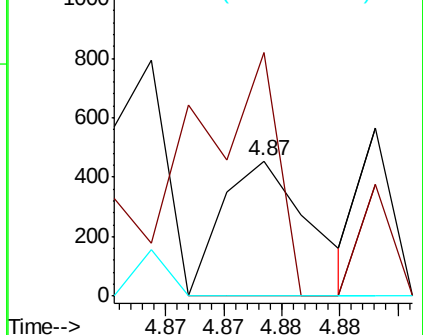


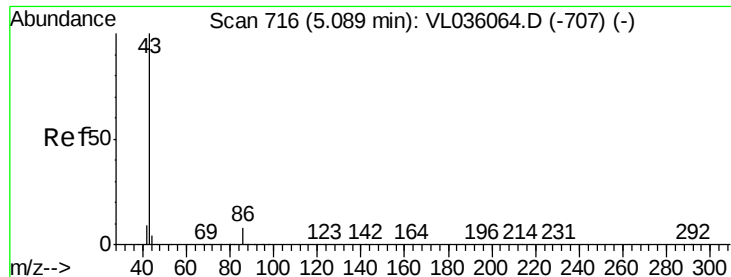
#22
trans-1,2-Dichloroethene
Concen: 0.004 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.03 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.4	145.7	218.5
98	0.0	49.2	73.8#



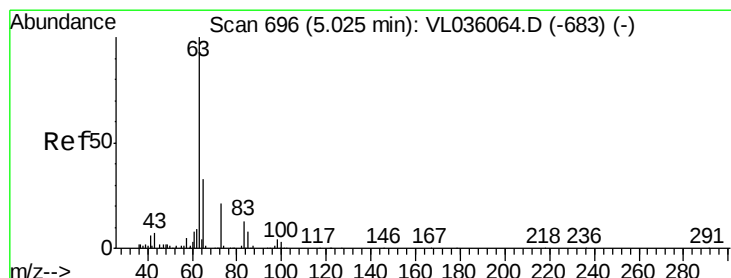
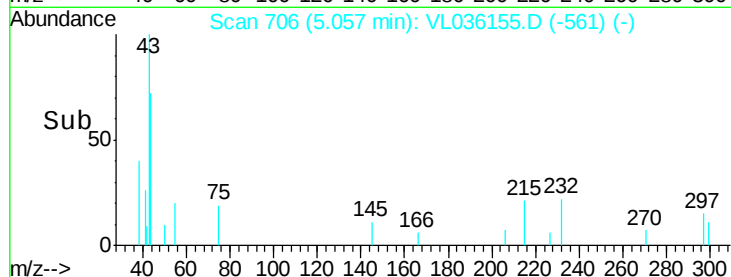
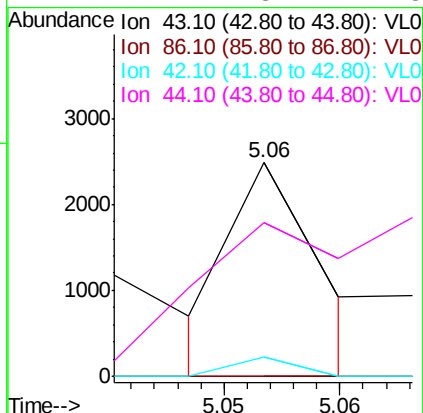
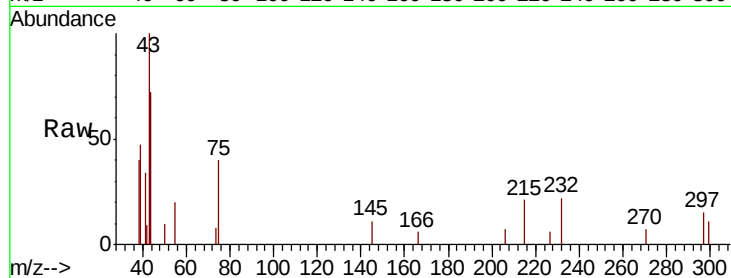
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





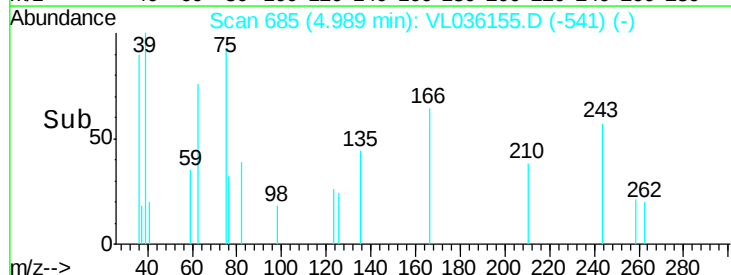
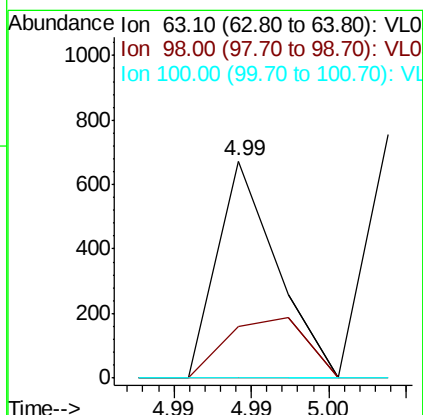
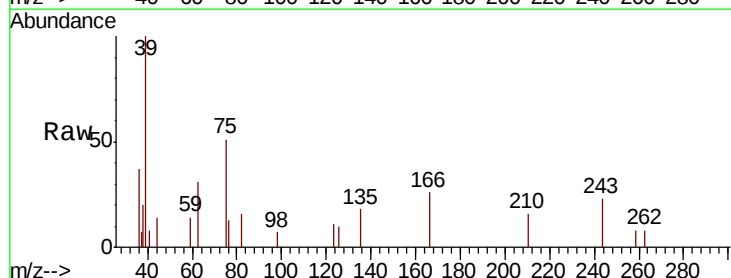
#23
 Vinyl Acetate
 Concen: 0.003 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. -0.03 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

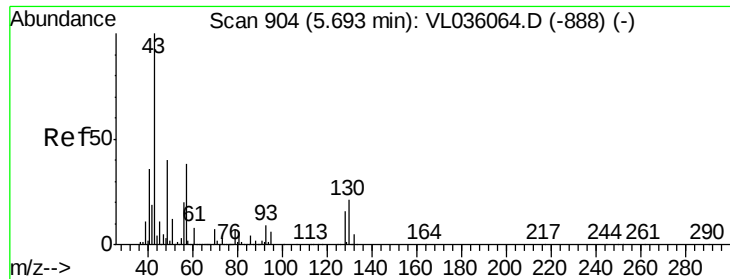
Tot Ion:	43	Resp:	658
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	12.8	7.8	11.6#
44	42.2	3.2	4.8#



#24
 1,1-Dichloroethane
 Concen: 0.001 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.04 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

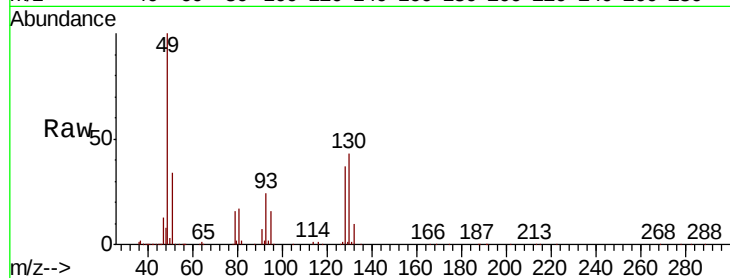
Tgt Ion:	63	Resp:	179
Ion	Ratio	Lower	Upper
63	100		
98	23.5	2.2	6.6#
100	0.0	1.5	4.4#





#25
Ethyl Acetate
Concen: 0.001 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.04 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tot Ion:	43	Resp:	249
Ion	Ratio	Lower	Upper
43	100		
45	262.2	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#



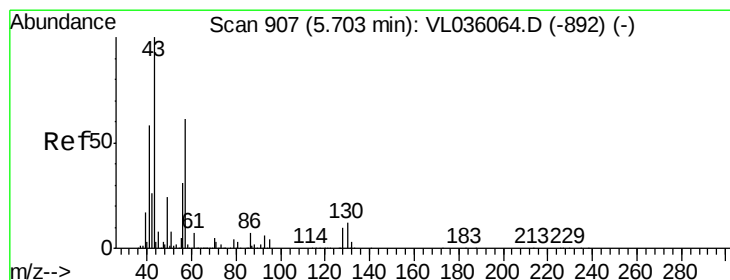
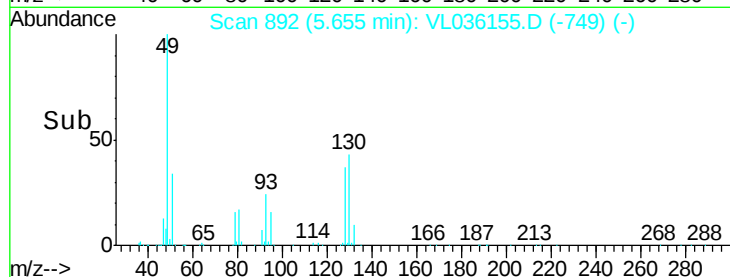
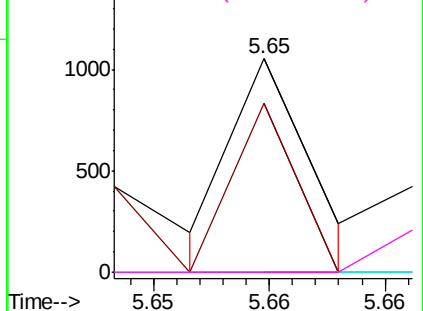
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

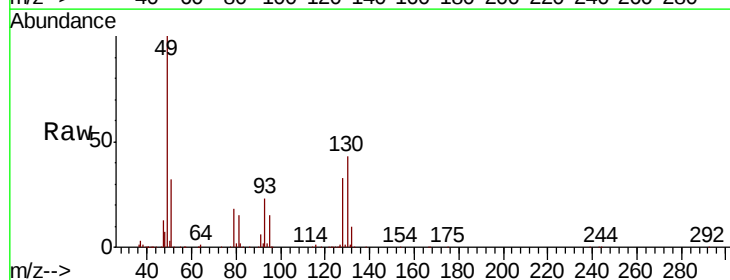
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.004 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.04 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tgt Ion:	57	Resp:	558
Ion	Ratio	Lower	Upper
57	100		
41	0.0	82.9	124.3#
43	0.0	199.9	299.9#
56	0.0	43.1	64.7#



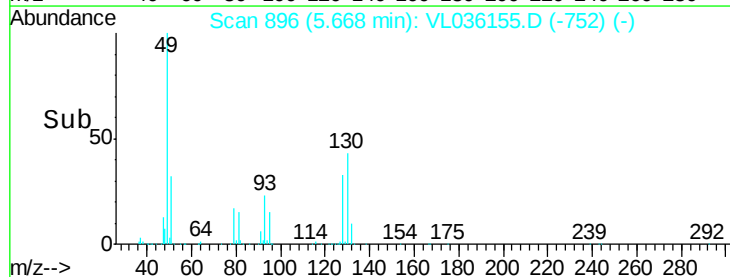
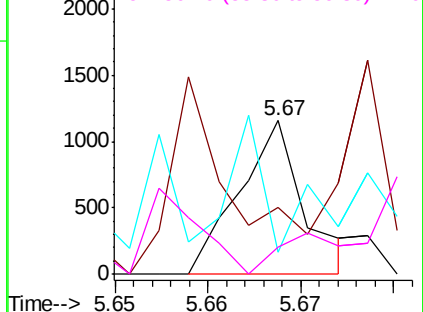
Abundance

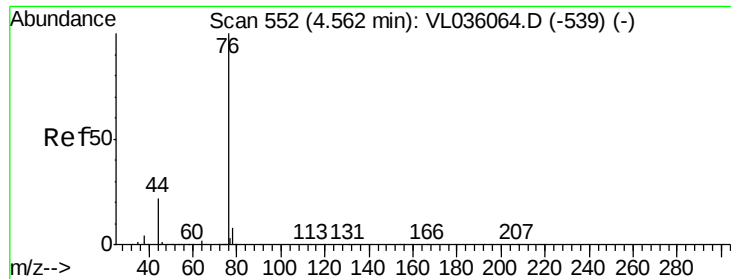
Ion 57.10 (56.80 to 57.80): VL0

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: 0.000 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.03 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

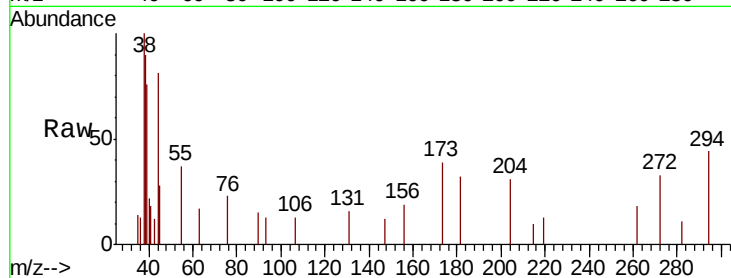
Tot Ion: 76 Resp: 65

Ion Ratio Lower Upper

76 100

44 4772.3 17.9 26.9#

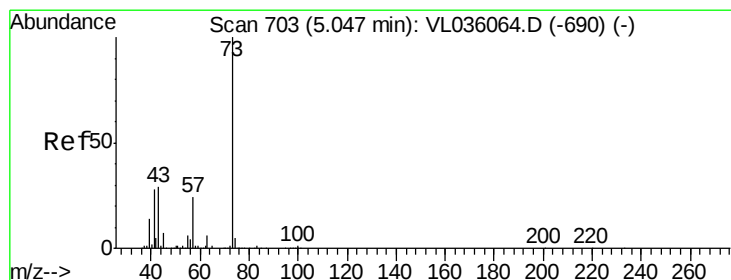
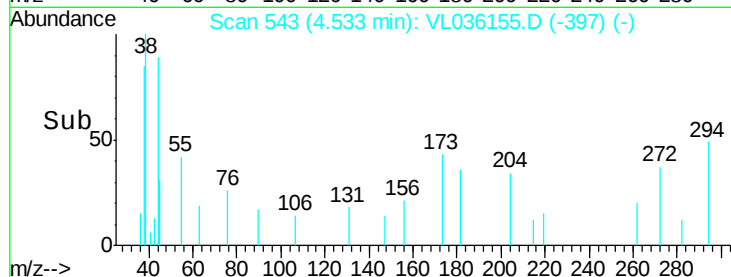
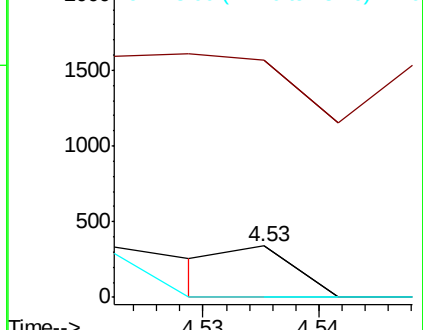
78 87.7 7.8 11.8#



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: 0.000 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL036155.D

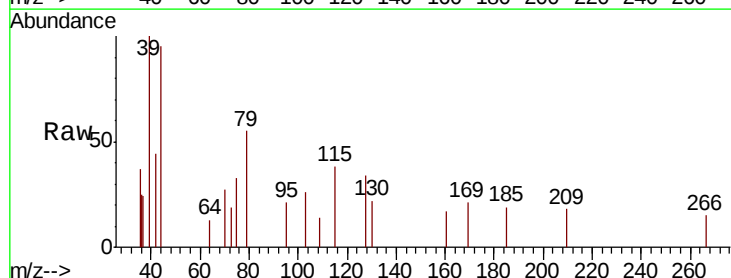
Acq: 11 Dec 2020 8:37

Tgt Ion: 73 Resp: 78

Ion Ratio Lower Upper

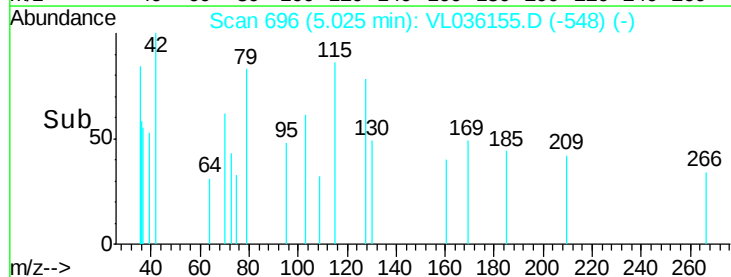
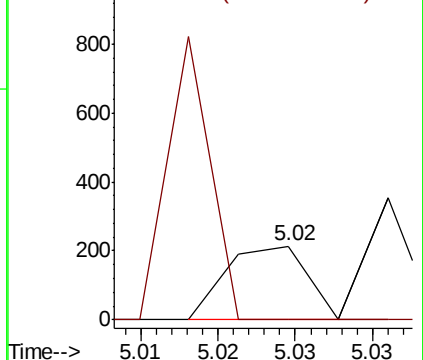
73 100

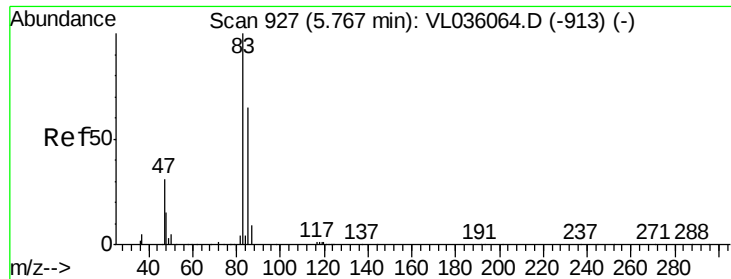
57 373.1 19.2 28.8#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.002 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.04 min

Lab File: VL036155.D

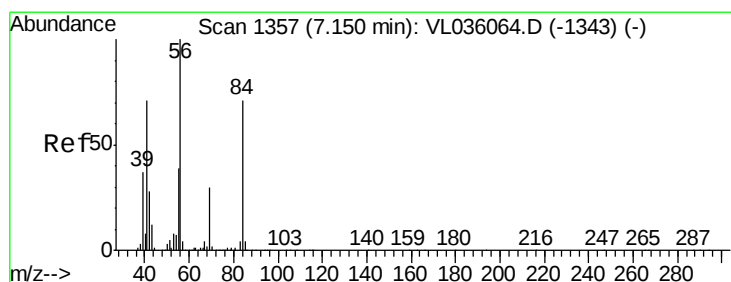
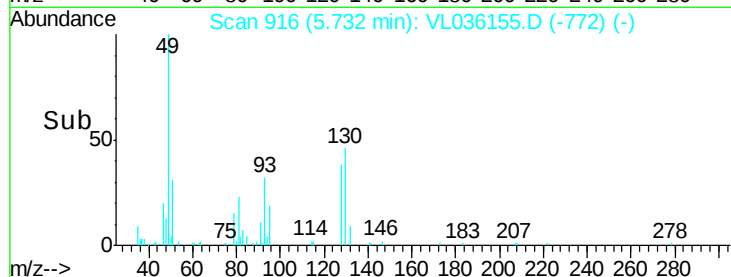
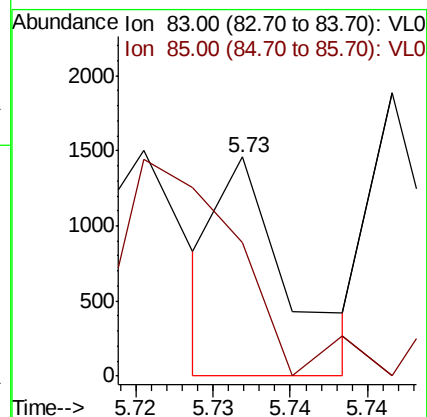
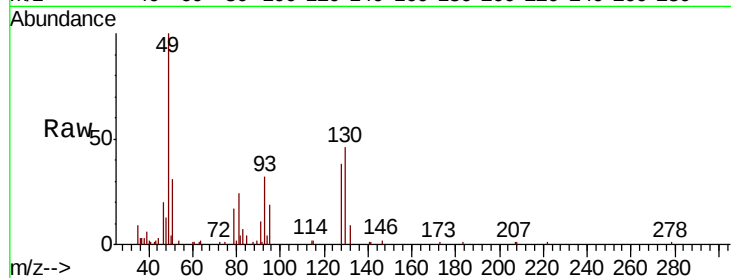
Acq: 11 Dec 2020 8:37

Tot Ion: 83 Resp: 444

Ion Ratio Lower Upper

83 100

85 59.4 51.8 77.6



#30

Cyclohexane

Concen: 0.002 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. -0.04 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

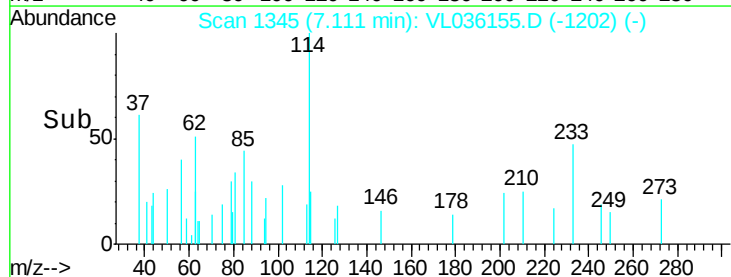
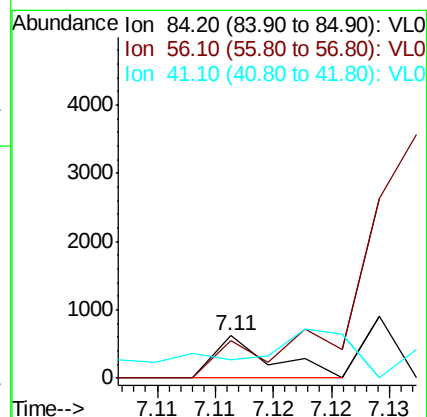
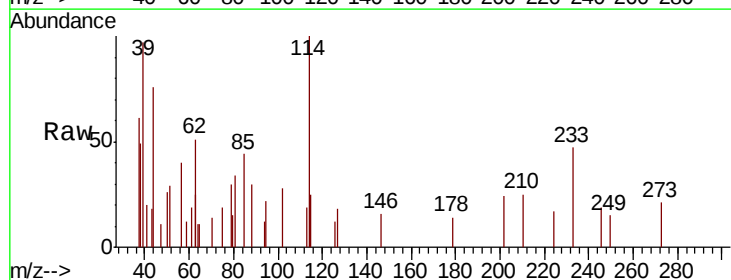
Tgt Ion: 84 Resp: 210

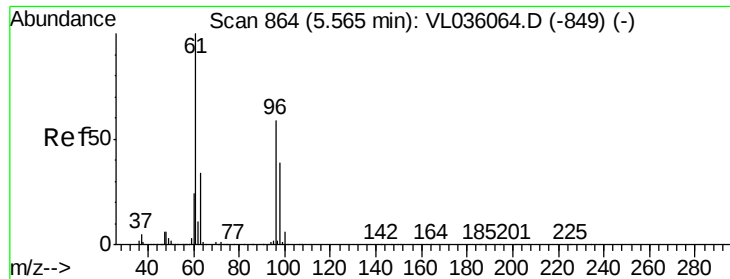
Ion Ratio Lower Upper

84 100

56 0.0 128.0 192.0#

41 0.0 81.3 121.9#

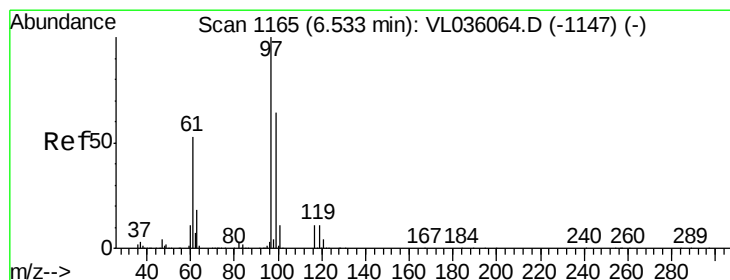
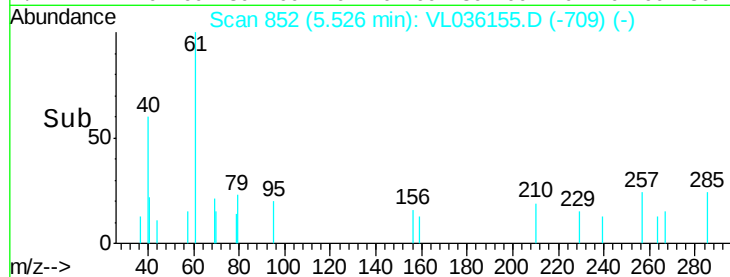
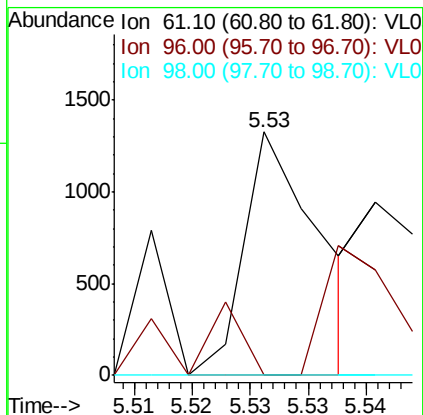
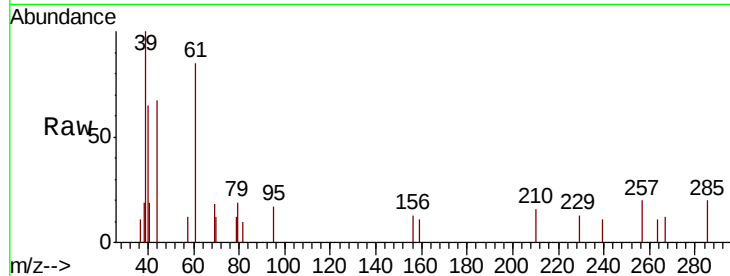




#31

cis-1,2-Dichloroethene
Concen: 0.005 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.04 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

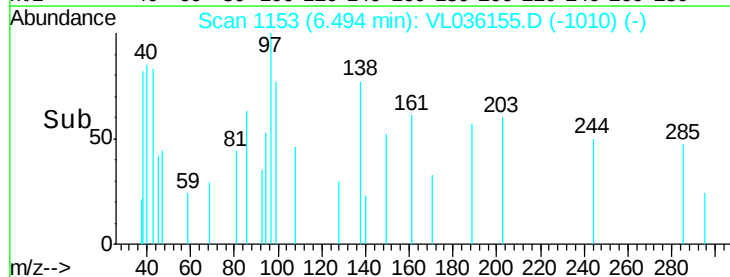
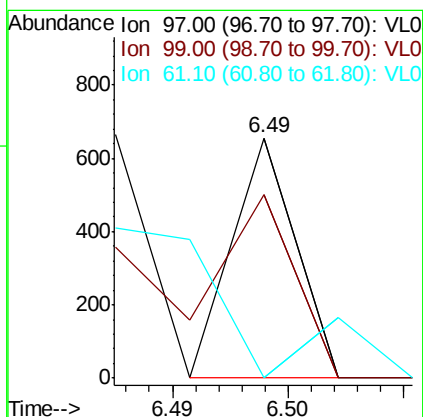
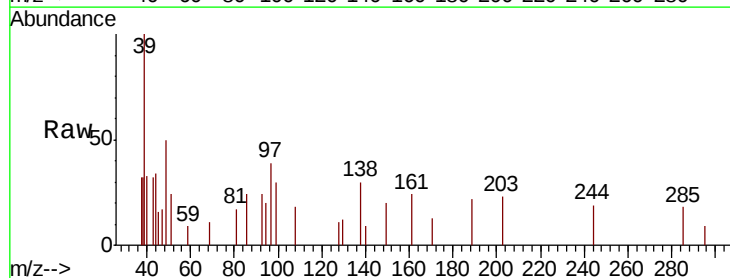
Tot Ion	Ratio	Lower	Upper
61	100		
96	0.0	47.3	70.9#
98	0.0	31.4	47.0#

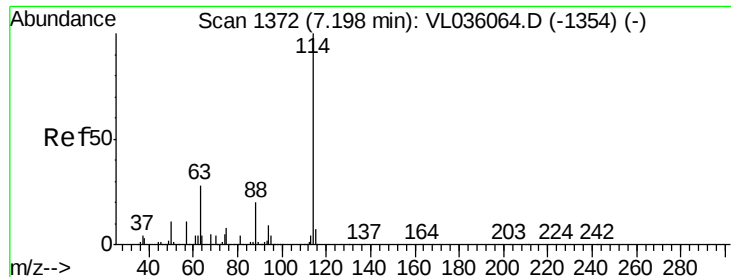


#32

1,1,1-Trichloroethane
Concen: 0.001 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.04 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	217.5	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: VL036155.D

Acq: 11 Dec 2020 8:37

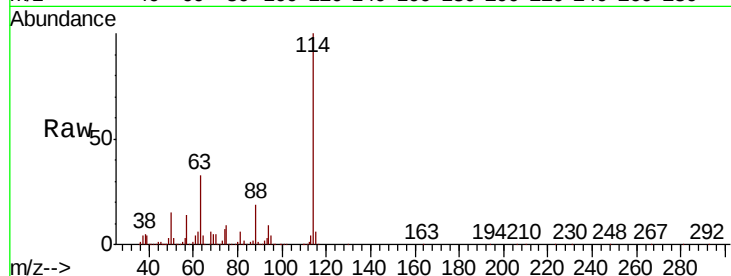
Tot Ion:114 Resp: 2525227

Ion Ratio Lower Upper

114 100

63 33.3 23.6 35.4

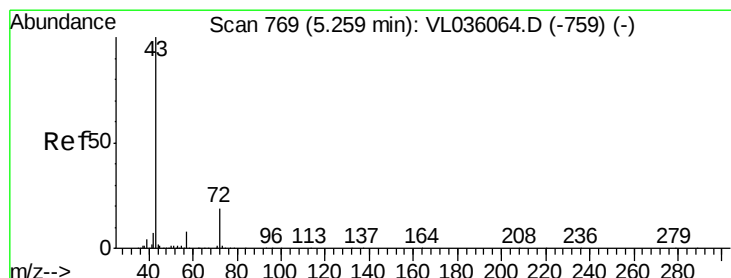
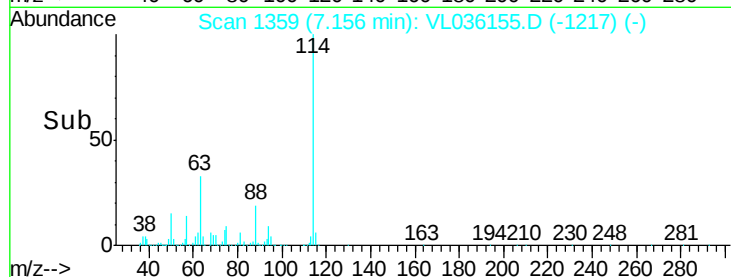
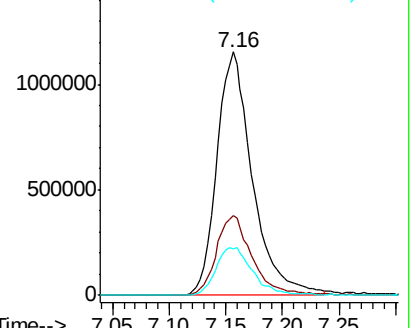
88 20.9 15.8 23.6



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: 0.003 ppbv

RT: 5.23 min Scan# 761

Delta R.T. -0.03 min

Lab File: VL036155.D

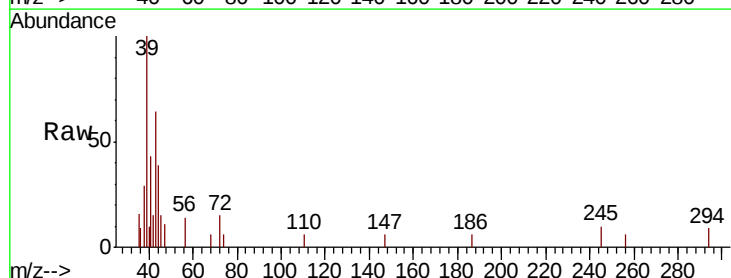
Acq: 11 Dec 2020 8:37

Tgt Ion: 43 Resp: 564

Ion Ratio Lower Upper

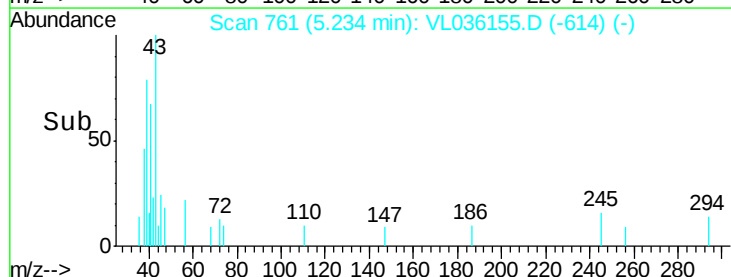
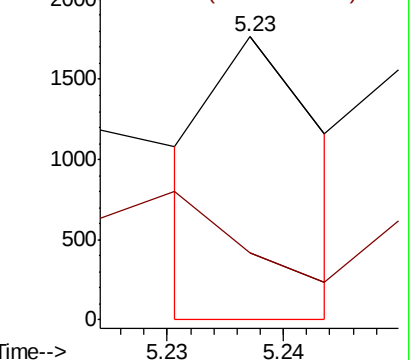
43 100

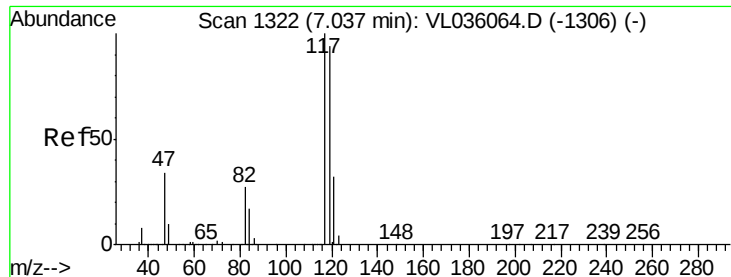
72 0.0 16.5 24.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.001 ppbv

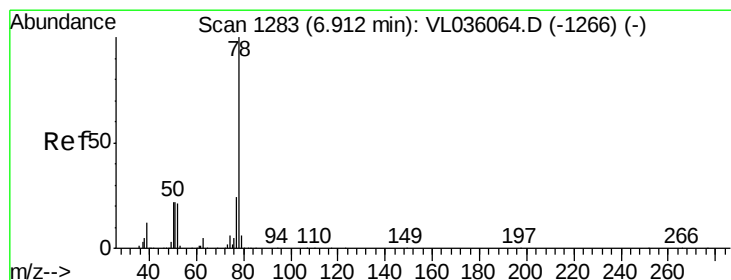
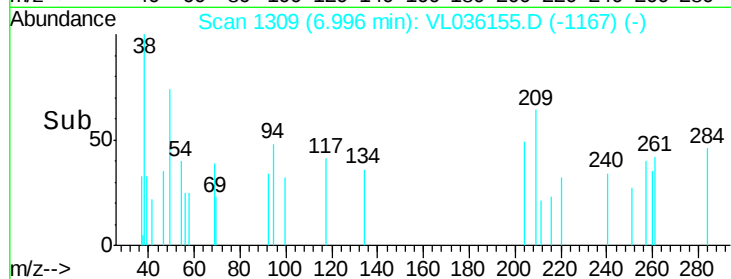
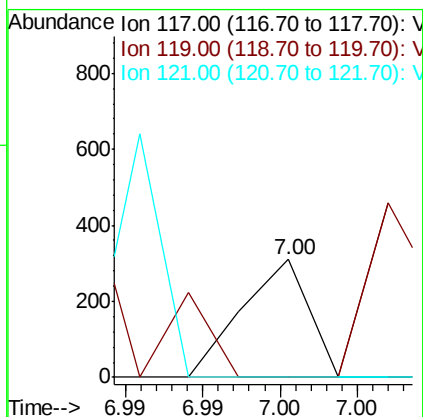
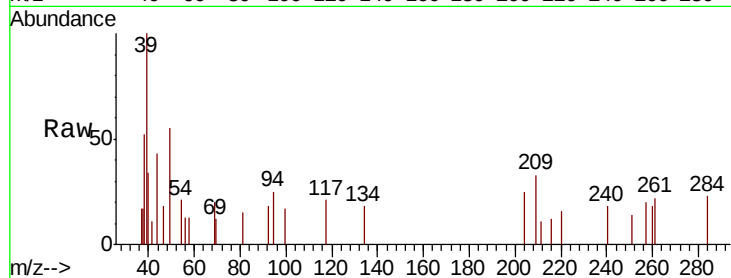
RT: 7.00 min Scan# 1309

Delta R.T. -0.04 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tot Ion:	117	Resp:	93
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.1	112.7#
121	0.0	25.6	38.4#



#36

Benzene

Concen: 0.003 ppbv

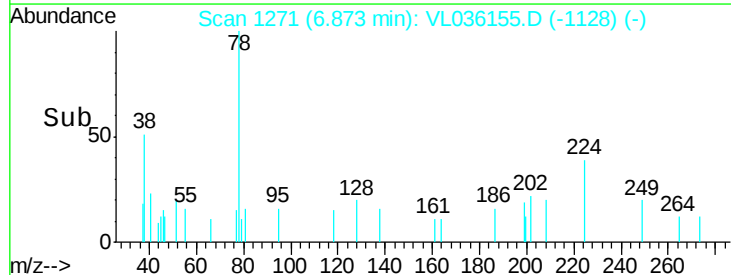
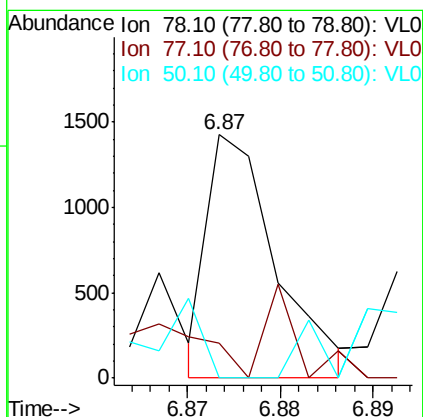
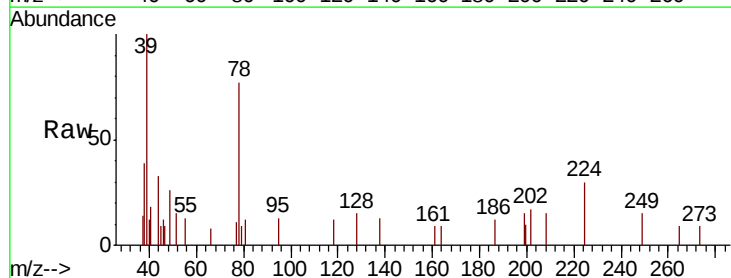
RT: 6.87 min Scan# 1271

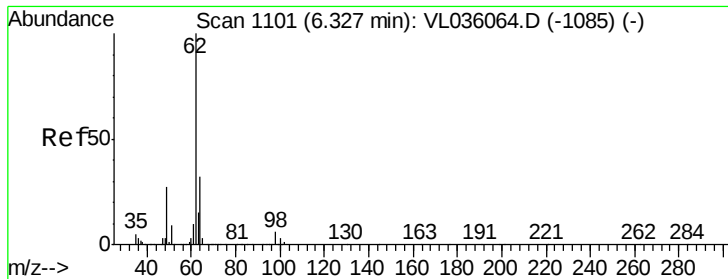
Delta R.T. -0.04 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tgt Ion:	78	Resp:	736
Ion	Ratio	Lower	Upper
78	100		
77	3.6	19.4	29.2#
50	0.0	17.8	26.8#





#37

1,2-Dichloroethane

Concen: 0.003 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. -0.04 min

Lab File: VL036155.D

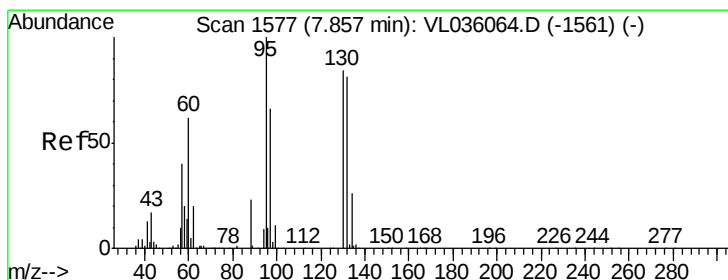
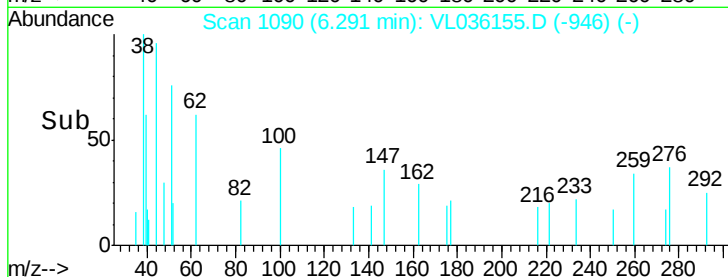
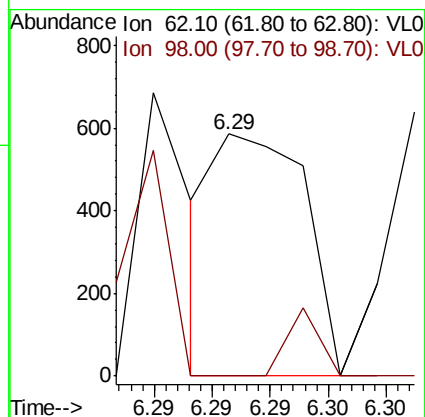
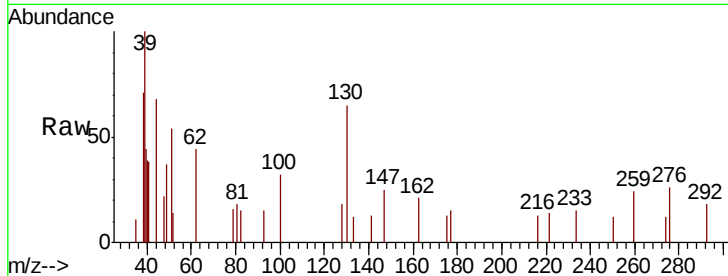
Acq: 11 Dec 2020 8:37

Tot Ion: 62 Resp: 318

Ion Ratio Lower Upper

62 100

98 0.0 4.6 7.0#



#38

Trichloroethene

Concen: 0.002 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.05 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tgt Ion: 130 Resp: 144

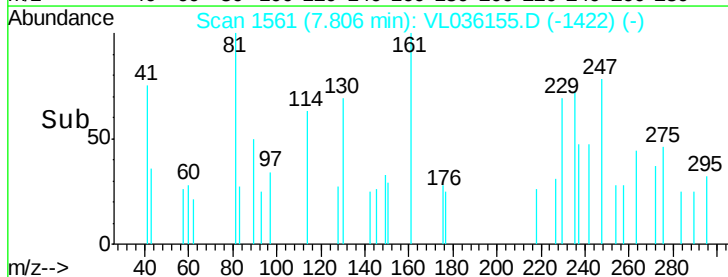
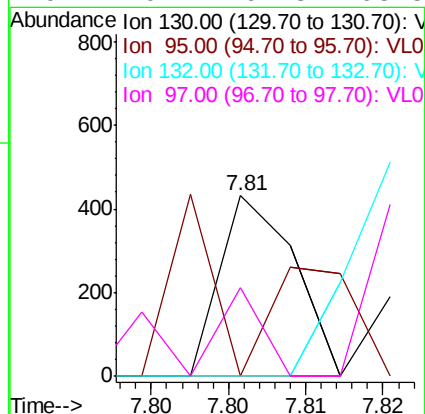
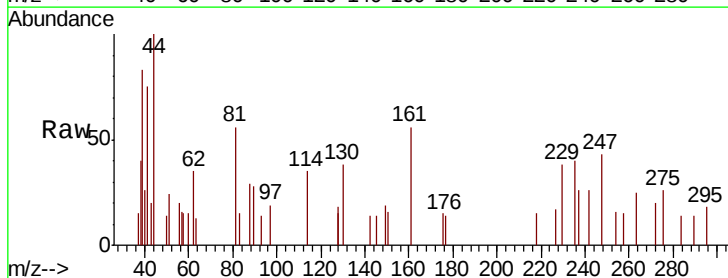
Ion Ratio Lower Upper

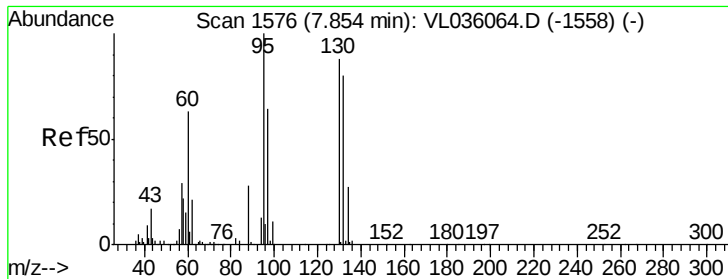
130 100

95 0.0 95.2 142.8#

132 0.0 76.9 115.3#

97 49.1 62.3 93.5#





#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 7.81 min Scan# 1561

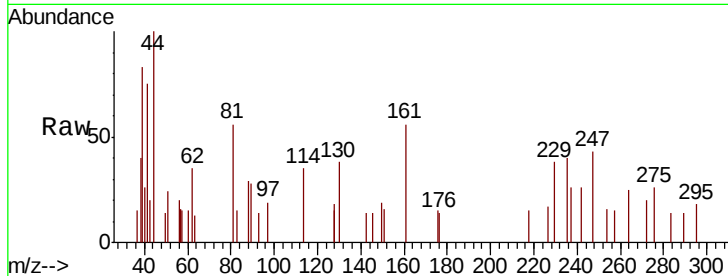
Delta R.T. -0.05 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tot Ion: 88 Resp: 93

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



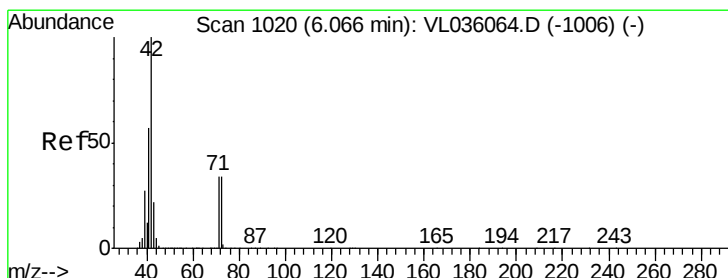
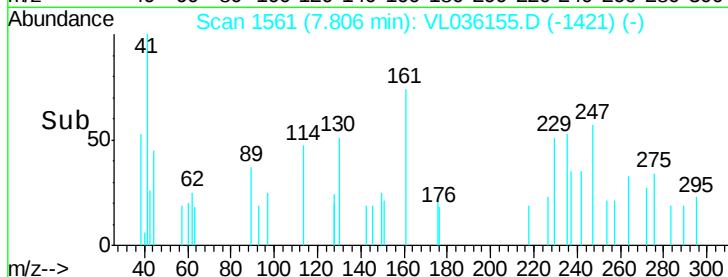
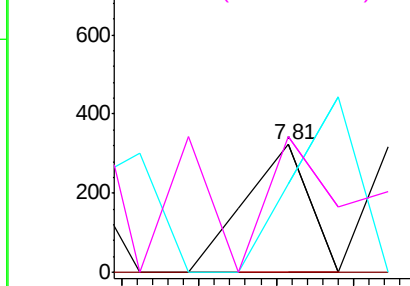
Abundance

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: 0.003 ppbv

RT: 6.02 min Scan# 1006

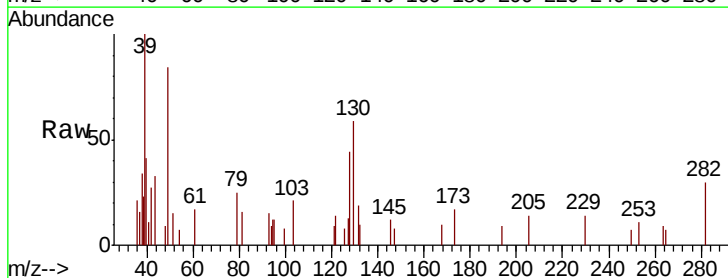
Delta R.T. -0.05 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tgt Ion: 42 Resp: 270

Ion	Ratio	Lower	Upper
42	100		
72	50.7	28.3	42.5#
71	0.0	27.3	40.9#

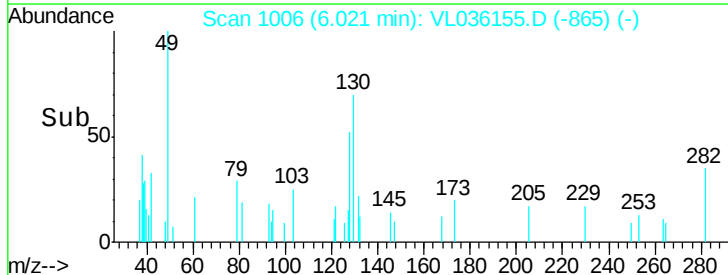
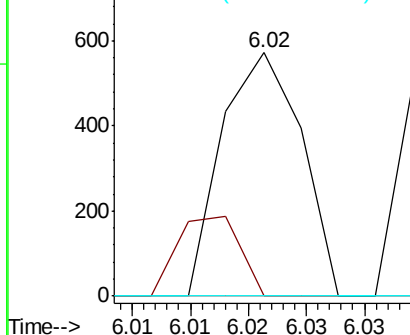


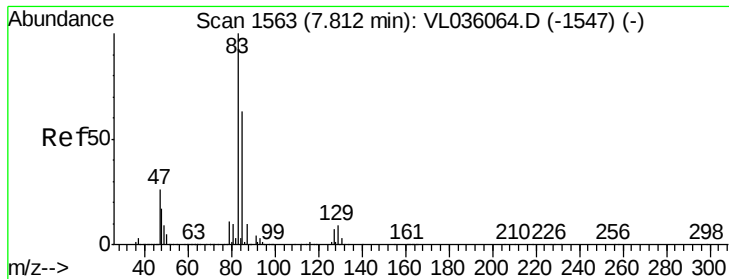
Abundance

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: 7.77 min Scan# 1549

Delta R.T. -0.05 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

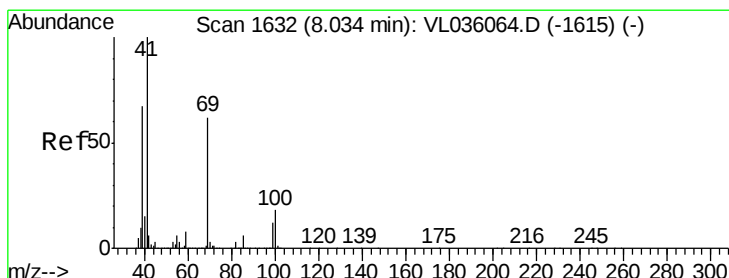
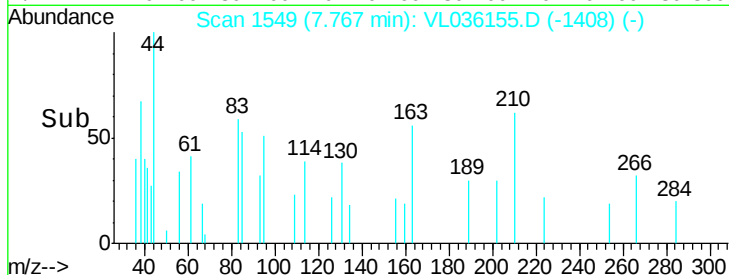
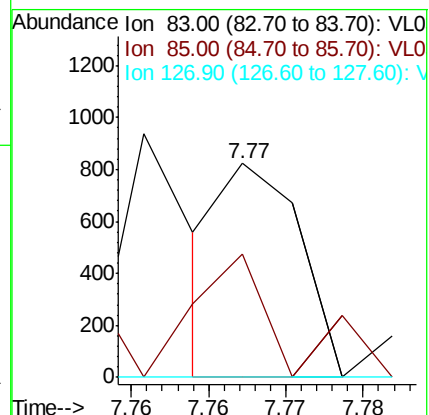
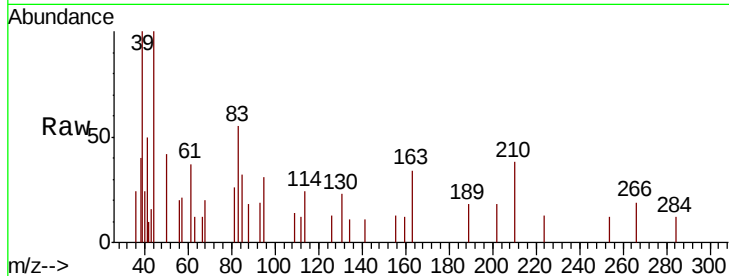
Tot Ion: 83 Resp: 288

Ion Ratio Lower Upper

83 100

85 28.5 50.2 75.2#

127 0.0 5.5 8.3#



#43

Methyl Methacrylate

Concen: 0.001 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.04 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

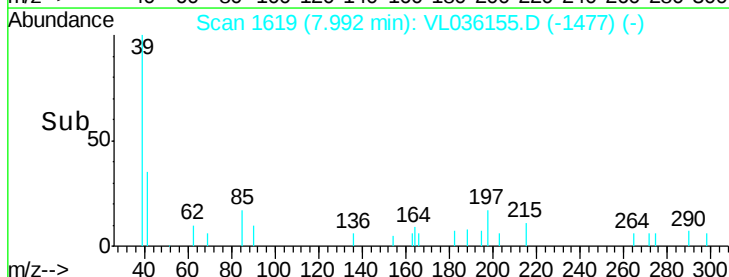
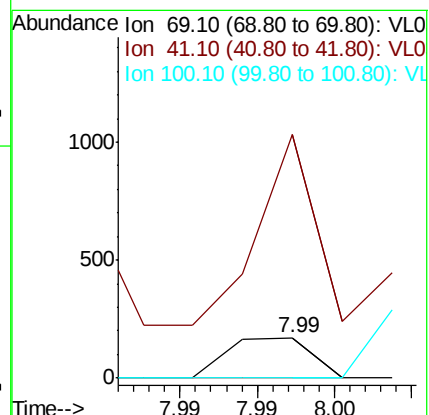
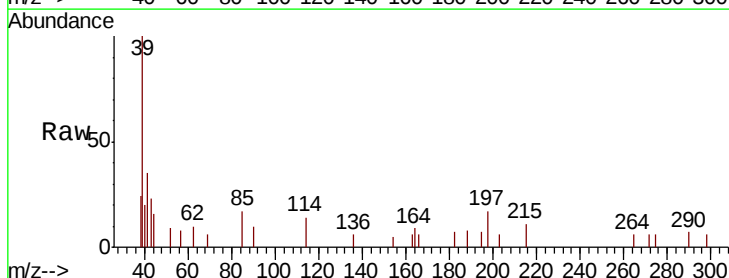
Tgt Ion: 69 Resp: 64

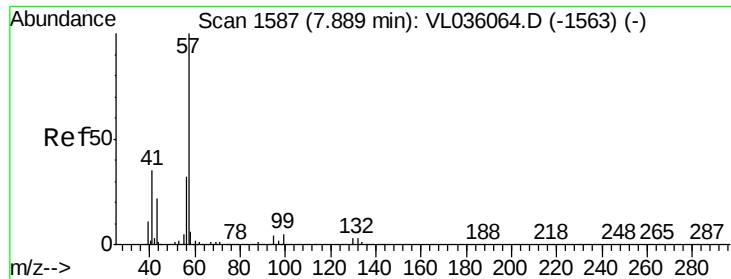
Ion Ratio Lower Upper

69 100

41 718.8 133.0 199.6#

100 0.0 25.4 38.0#





#44

2,2,4-Trimethylpentane

Concen: 0.002 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.05 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

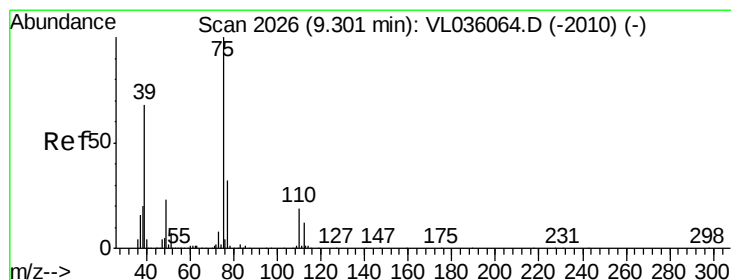
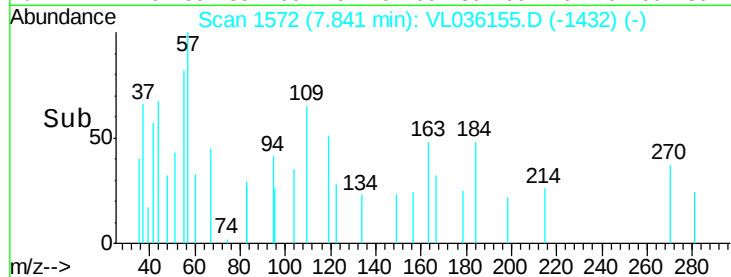
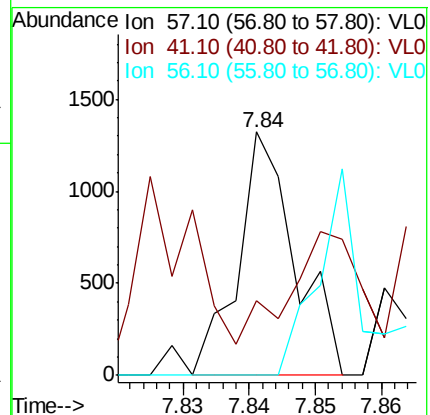
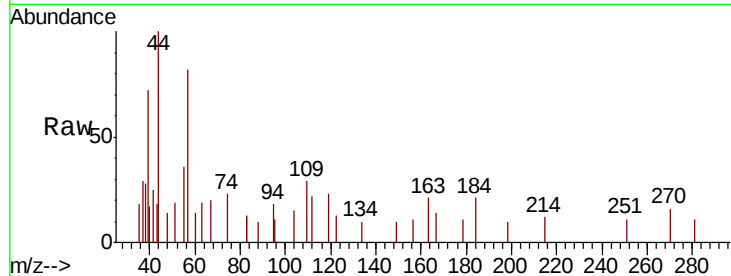
Tot Ion: 57 Resp: 790

Ion Ratio Lower Upper

57 100

41 0.0 28.9 43.3#

56 0.0 25.3 37.9#



#45

t-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 9.45 min Scan# 2072

Delta R.T. 0.15 min

Lab File: VL036155.D

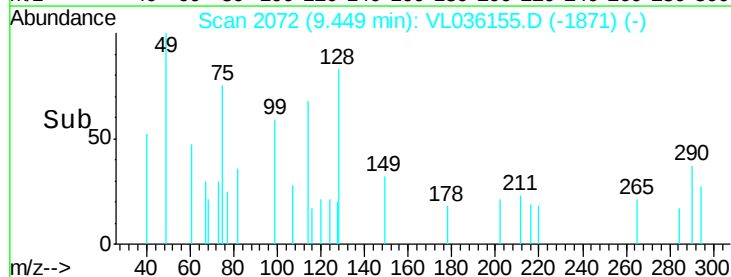
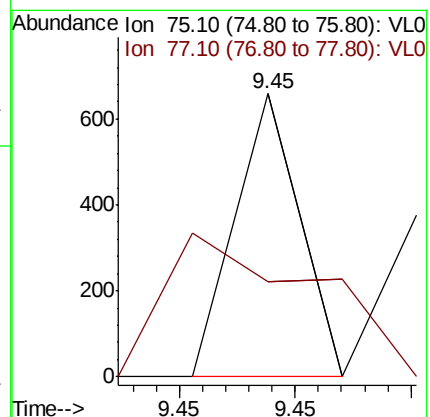
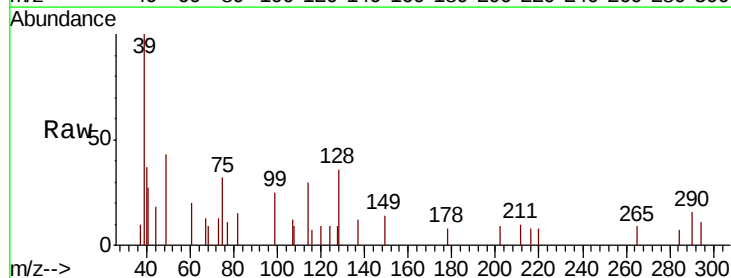
Acq: 11 Dec 2020 8:37

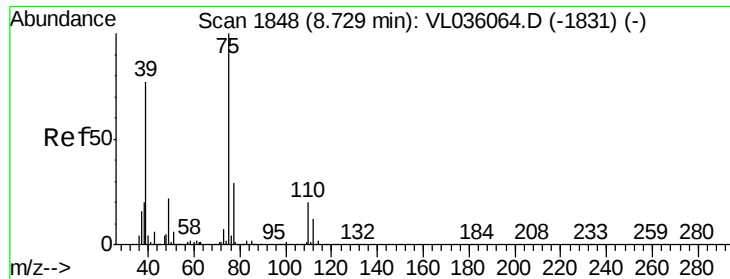
Tgt Ion: 75 Resp: 127

Ion Ratio Lower Upper

75 100

77 33.6 26.0 39.0





#46

cis-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.04 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

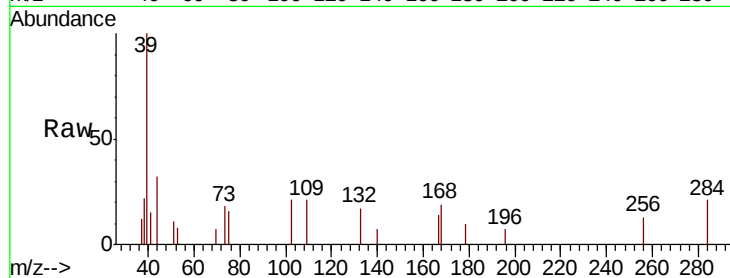
Tot Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

39 0.0 61.6 92.4#

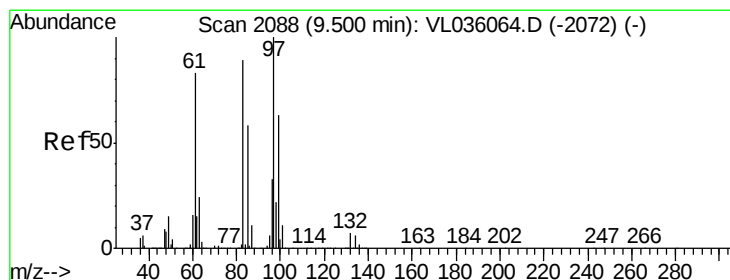
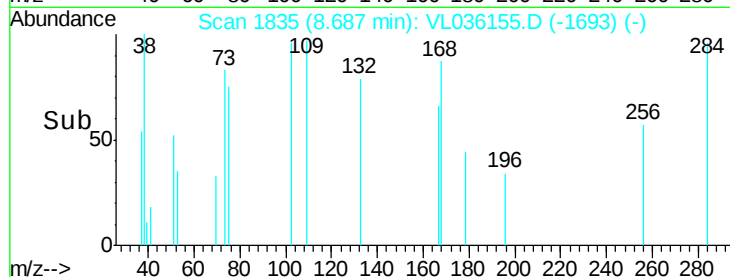
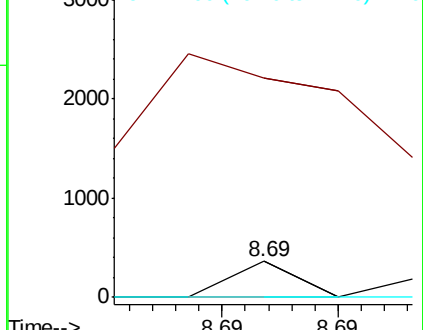
77 0.0 23.0 34.6#



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: 0.001 ppbv

RT: 9.44 min Scan# 2069

Delta R.T. -0.06 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tgt Ion: 97 Resp: 93

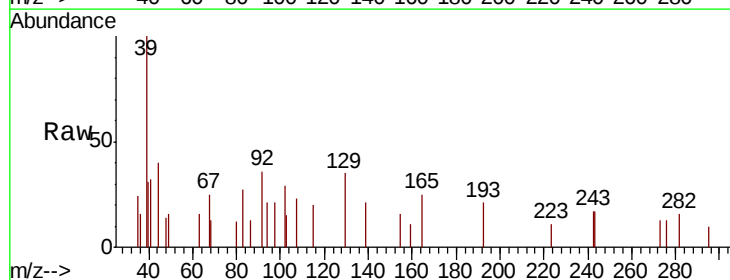
Ion Ratio Lower Upper

97 100

83 129.1 71.4 107.2#

85 0.0 46.6 70.0#

99 0.0 50.7 76.1#

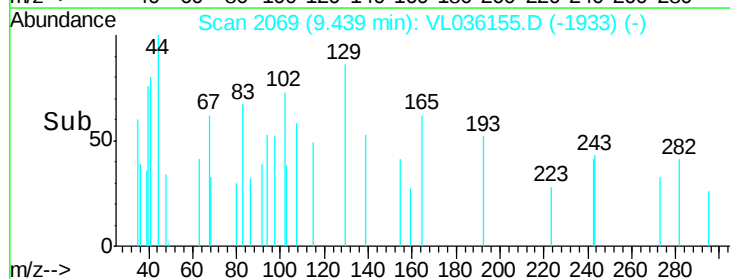
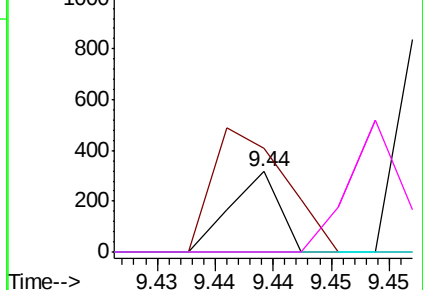


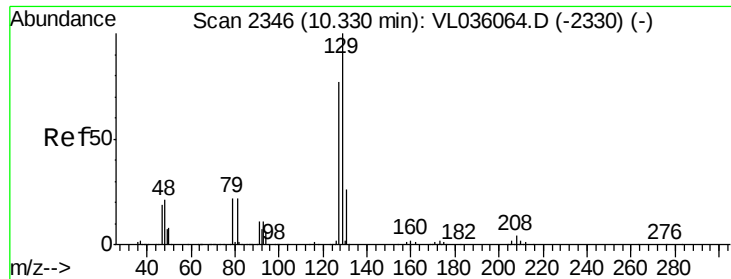
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

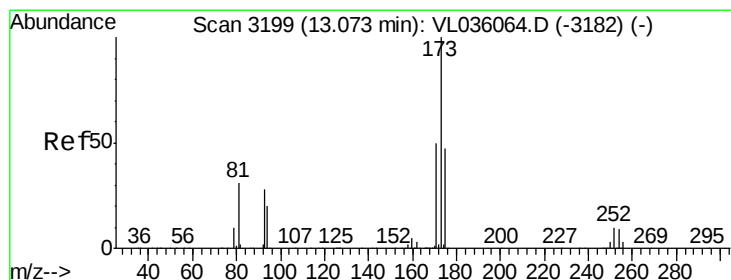
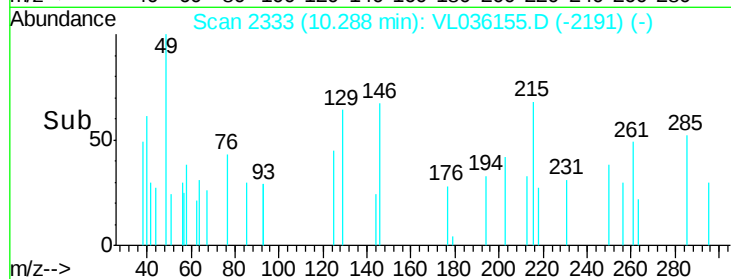
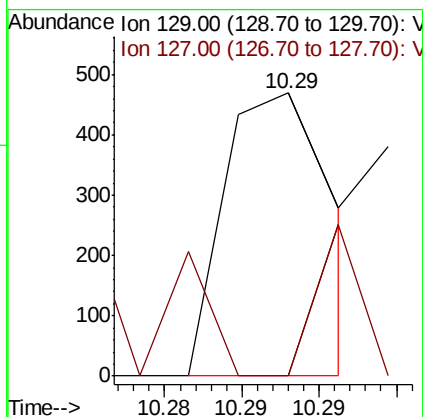
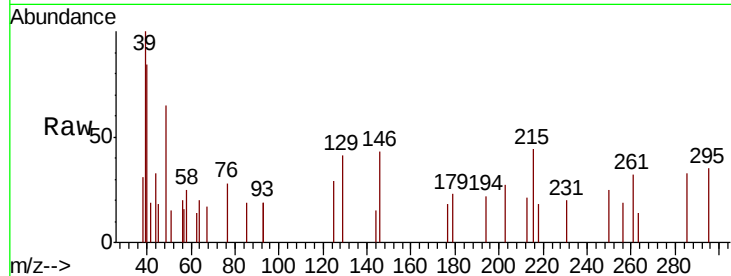
Ion 99.00 (98.70 to 99.70): VL0





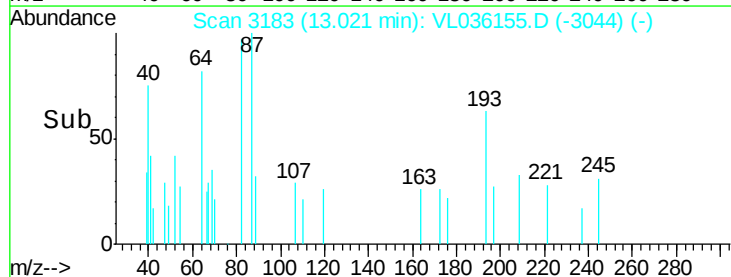
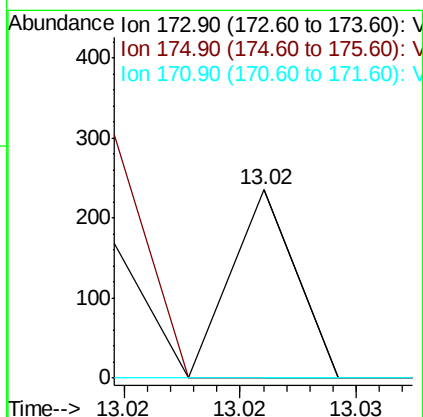
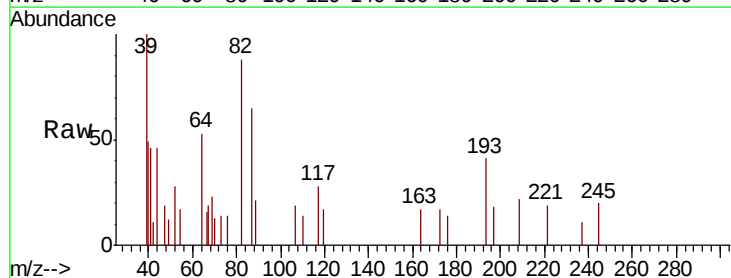
#48
 Dibromochloromethane
 Concen: 0.002 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.04 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

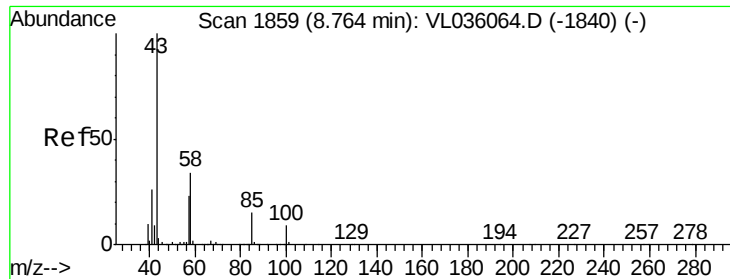
Tot Ion:129 Resp: 228
 Ion Ratio Lower Upper
 129 100
 127 92.1 39.0 117.0



#49
 Bromoform
 Concen: 0.000 ppbv
 RT: 13.02 min Scan# 3183
 Delta R.T. -0.05 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

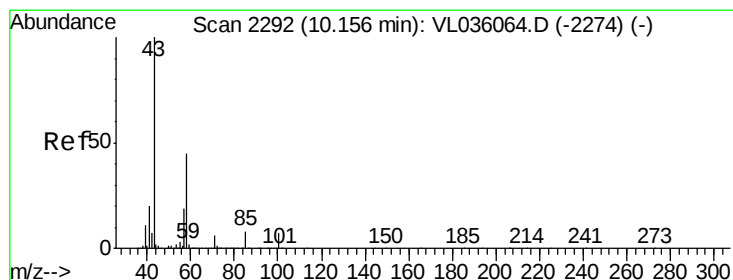
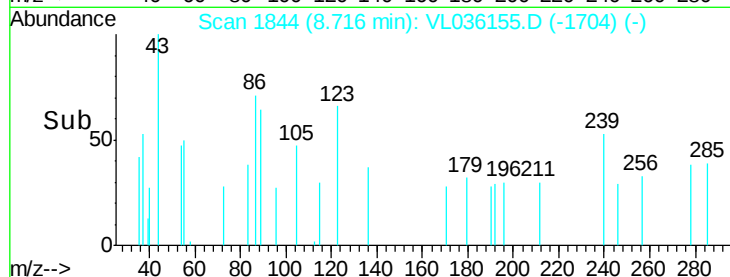
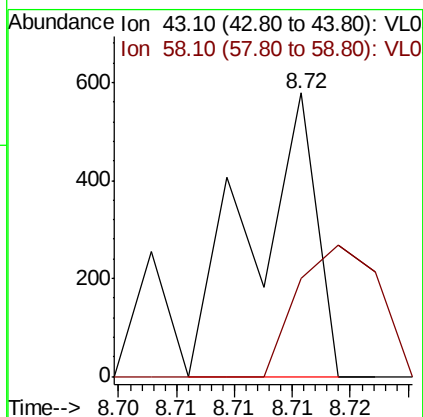
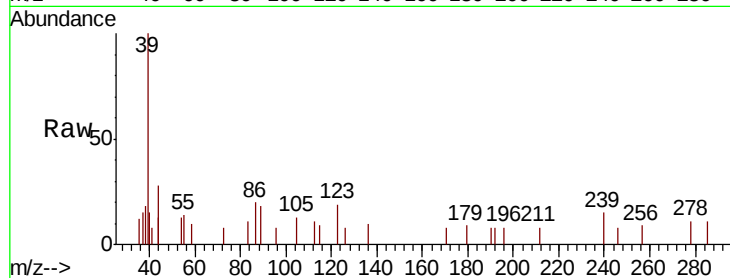
Tgt Ion:173 Resp: 45
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.8 59.6#
 171 0.0 42.5 63.7#





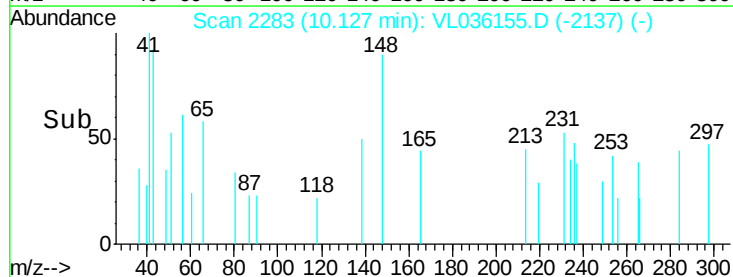
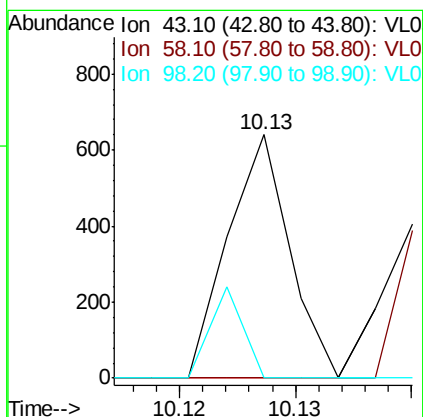
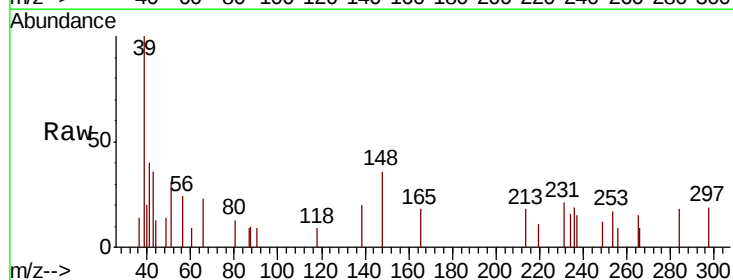
#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.05 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

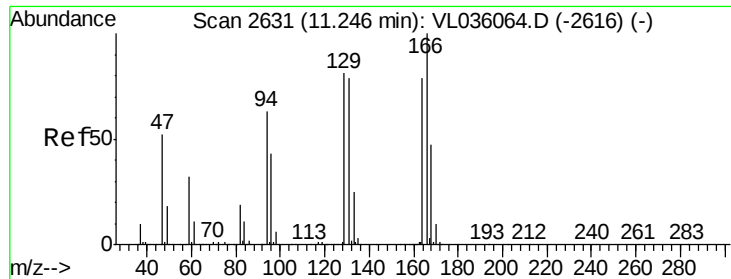
Tot Ion: 43 Resp: 225
Ion Ratio Lower Upper
43 100
58 58.2 27.4 41.2#



#51
2-Hexanone
Concen: 0.001 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.03 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tgt Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
58 0.0 38.7 58.1#
98 80.5 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.002 ppbv

RT: 11.19 min Scan# 2613

Delta R.T. -0.06 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tot Ion:164 Resp: 134

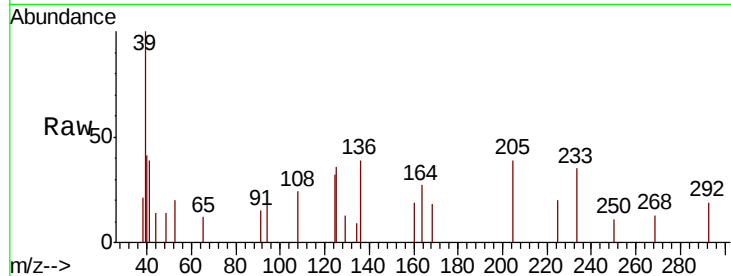
Ion Ratio Lower Upper

164 100

166 0.0 101.9 152.9#

129 47.9 82.1 123.1#

131 0.0 80.8 121.2#

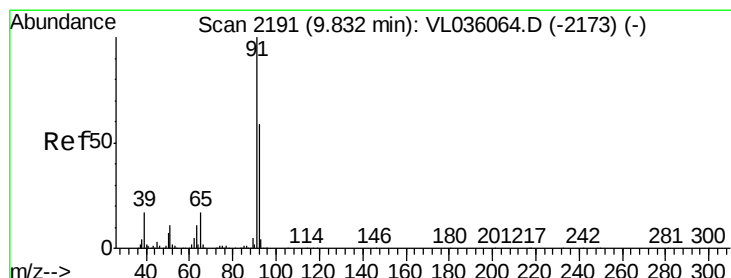
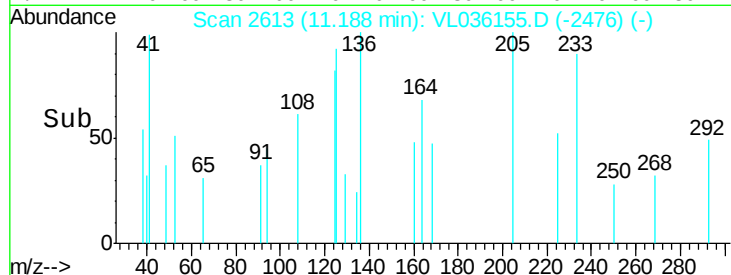
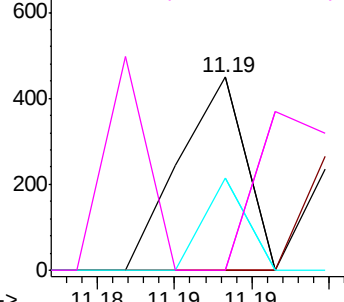


Abundance Ion 163.90 (163.60 to 164.60): V

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: 9.62 min Scan# 2124

Delta R.T. -0.22 min

Lab File: VL036155.D

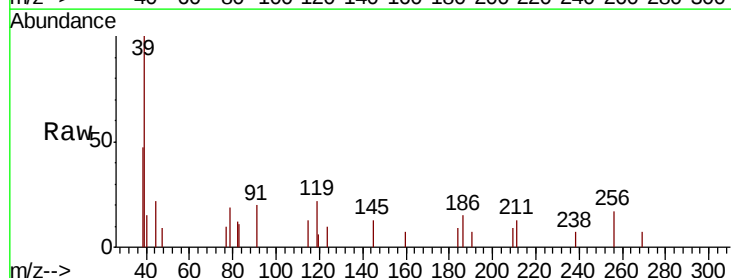
Acq: 11 Dec 2020 8:37

Tgt Ion: 91 Resp: 138

Ion Ratio Lower Upper

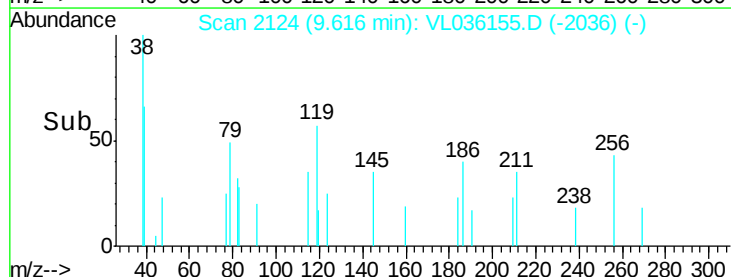
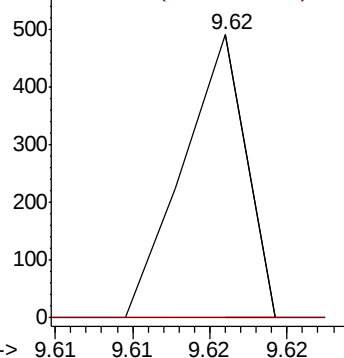
91 100

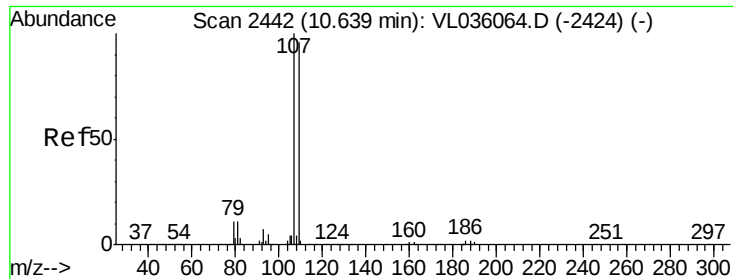
92 71.0 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

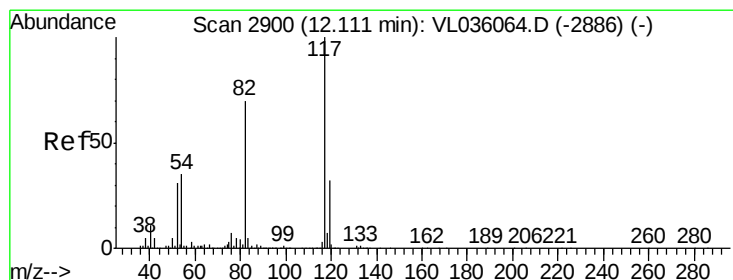
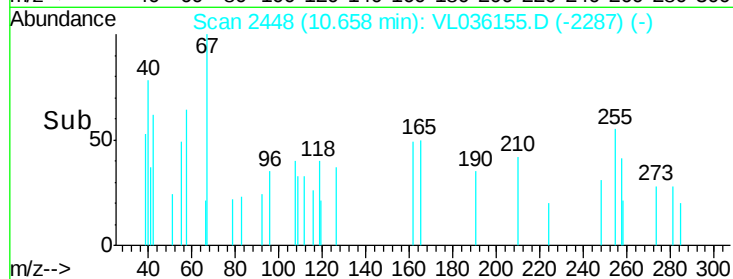
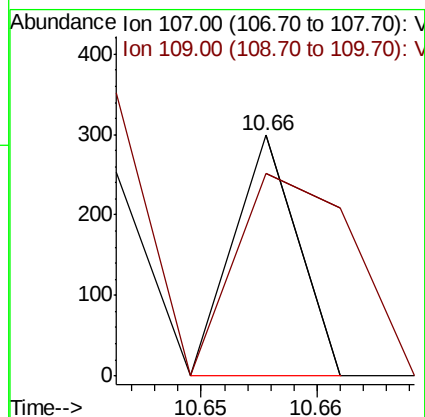
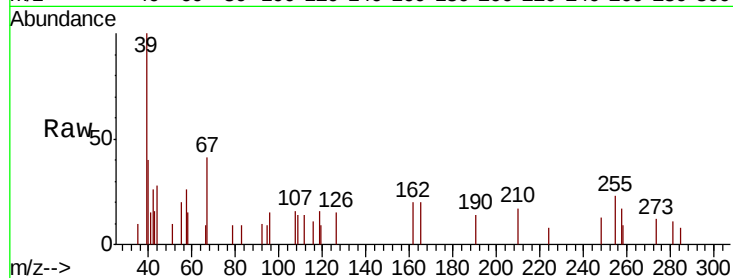
Ion 92.10 (91.80 to 92.80): VL0





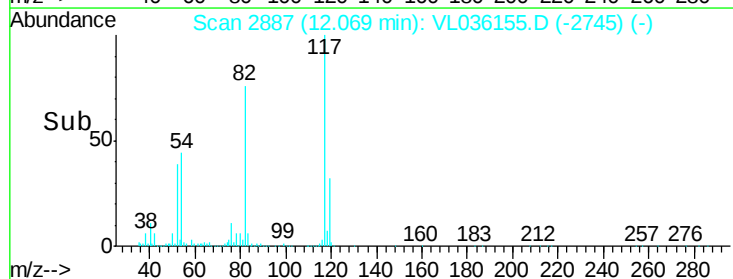
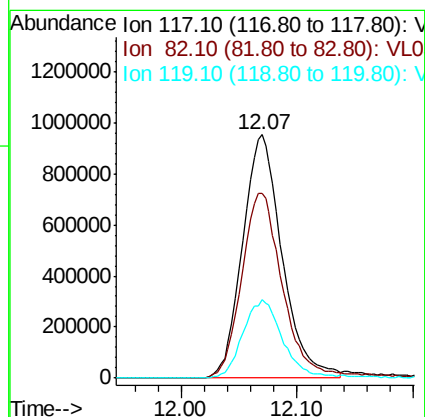
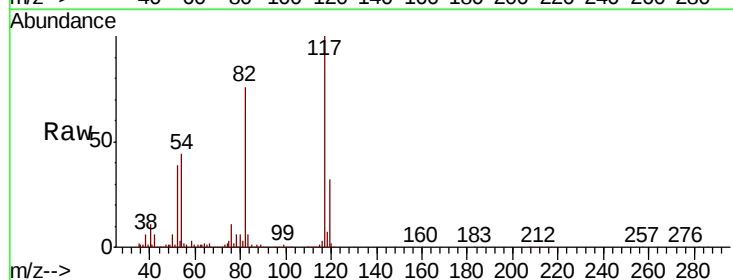
#54
 1,2-Dibromoethane
 Concen: 0.000 ppbv
 RT: 10.66 min Scan# 2448
 Delta R.T. 0.02 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

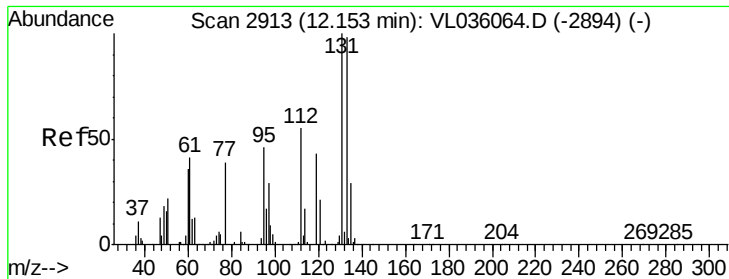
Tot Ion:107 Resp: 58
 Ion Ratio Lower Upper
 107 100
 109 83.9 76.6 115.0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T. -0.04 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

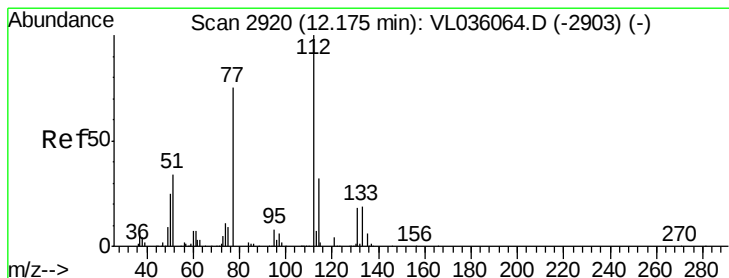
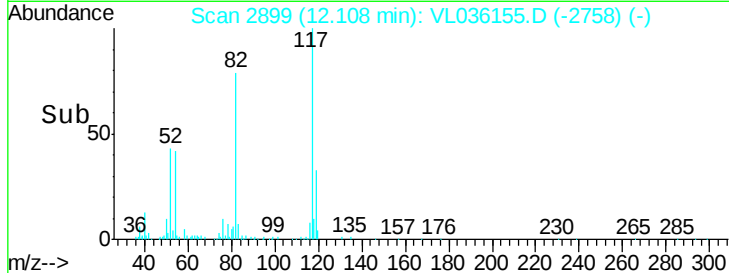
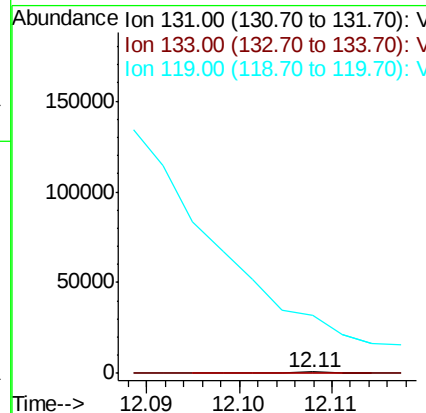
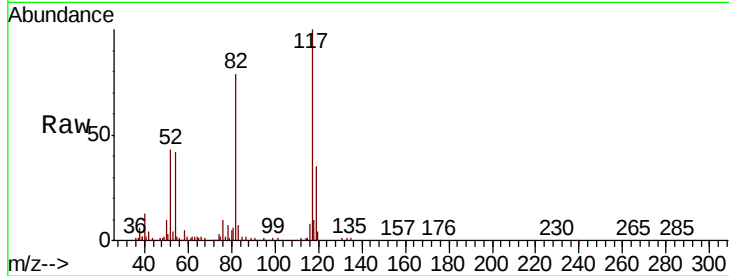
Tgt Ion:117 Resp: 2263842
 Ion Ratio Lower Upper
 117 100
 82 80.3 0.0 0.0#
 119 32.9 0.0 0.0#





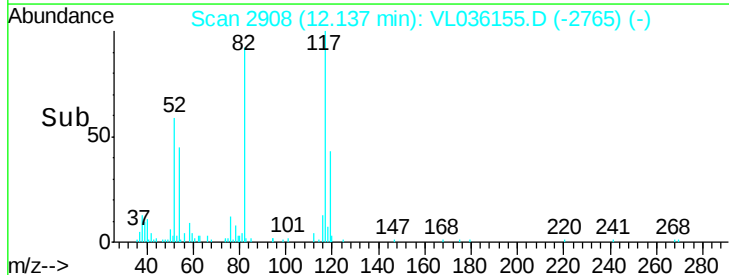
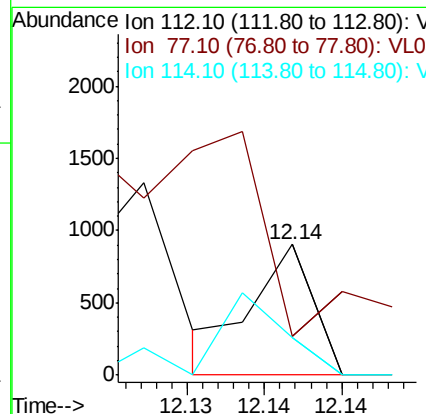
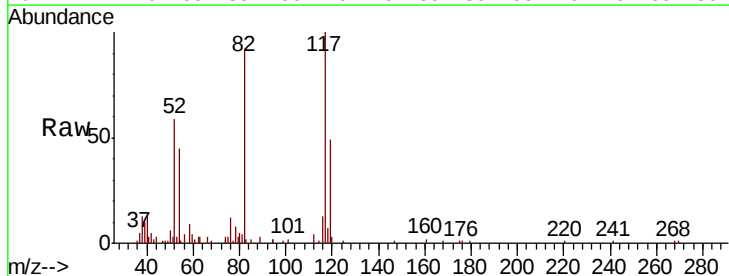
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.003 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. -0.05 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

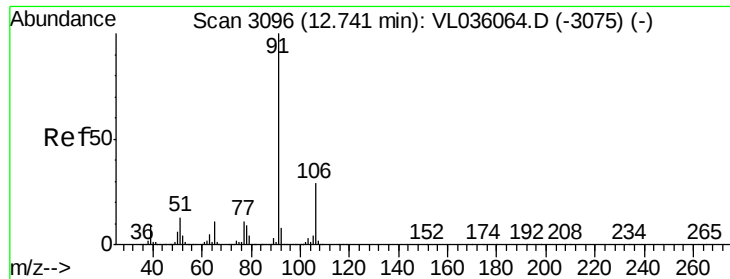
Tot Ion:131 Resp: 296
 Ion Ratio Lower Upper
 131 100
 133 97.3 77.7 116.5
 119 0.0 51.6 77.4#



#57
 Chlorobenzene
 Concen: 0.002 ppbv
 RT: 12.14 min Scan# 2908
 Delta R.T. -0.04 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

Tgt Ion:112 Resp: 246
 Ion Ratio Lower Upper
 112 100
 77 0.0 60.5 90.7#
 114 28.5 29.2 35.6#





#58

Ethyl Benzene

Concen: 0.001 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. -0.04 min

Lab File: VL036155.D

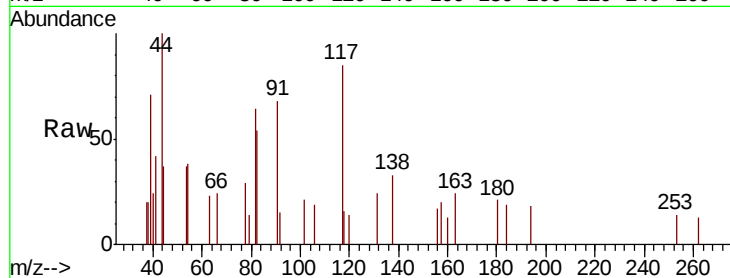
Acq: 11 Dec 2020 8:37

Tot Ion: 91 Resp: 367

Ion Ratio Lower Upper

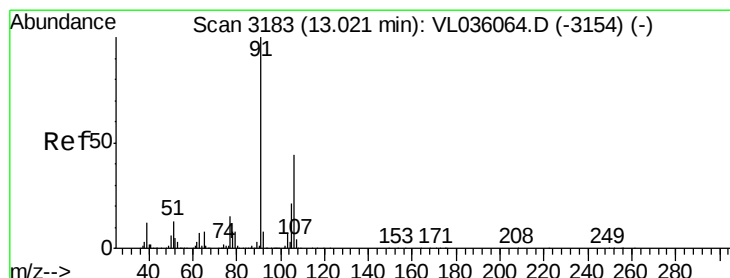
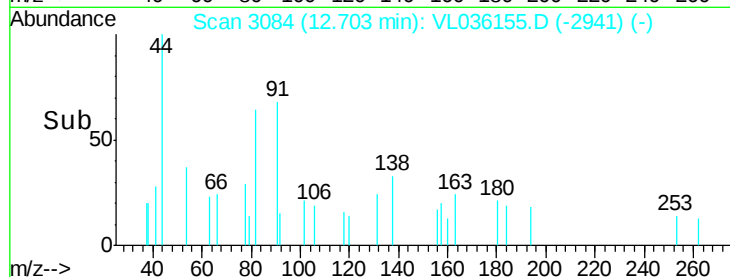
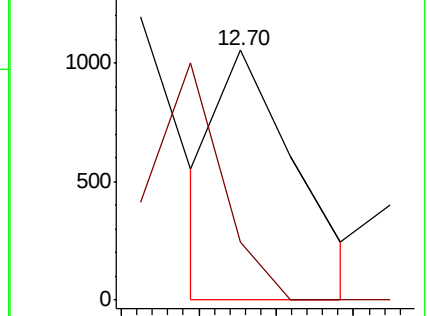
91 100

106 30.2 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.002 ppbv

RT: 12.98 min Scan# 3170

Delta R.T. -0.04 min

Lab File: VL036155.D

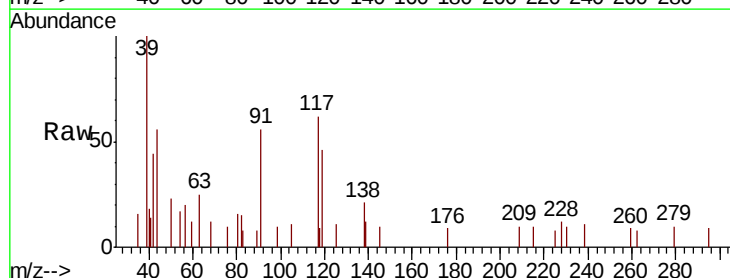
Acq: 11 Dec 2020 8:37

Tgt Ion: 91 Resp: 396

Ion Ratio Lower Upper

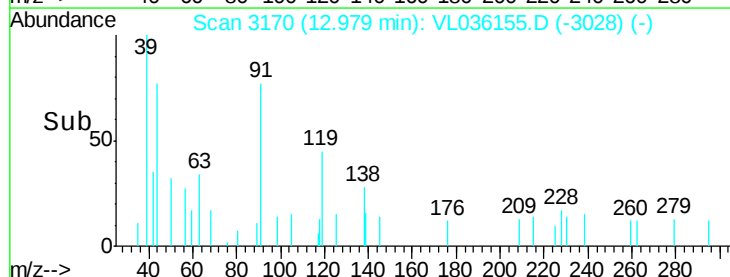
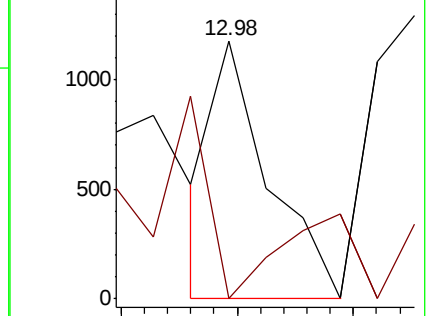
91 100

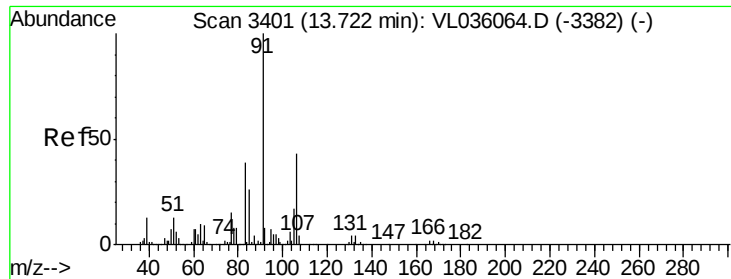
106 167.9 33.6 50.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

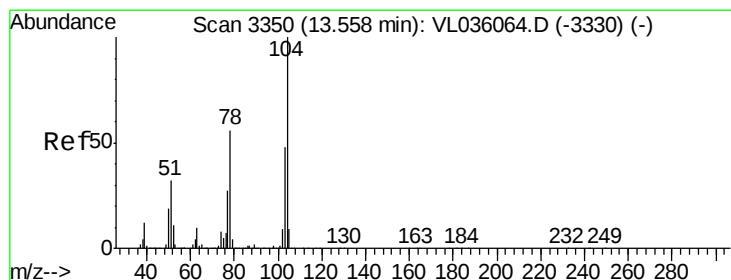
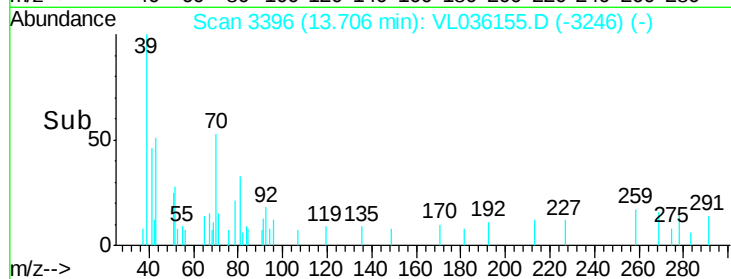
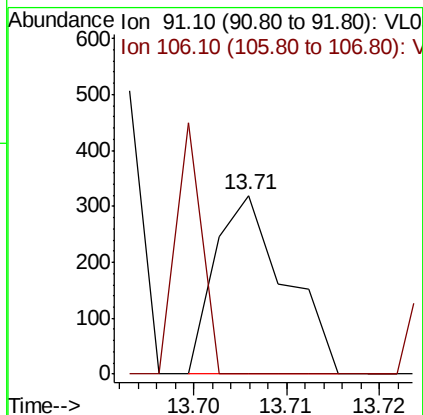
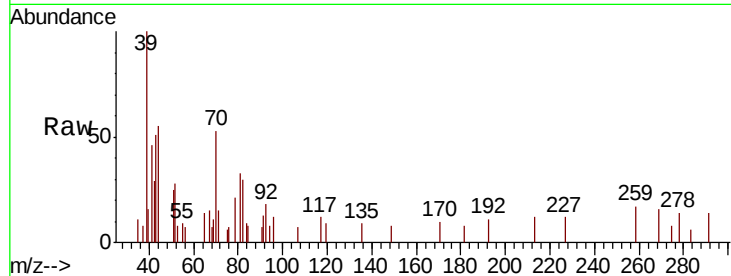
Ion 106.10 (105.80 to 106.80): V





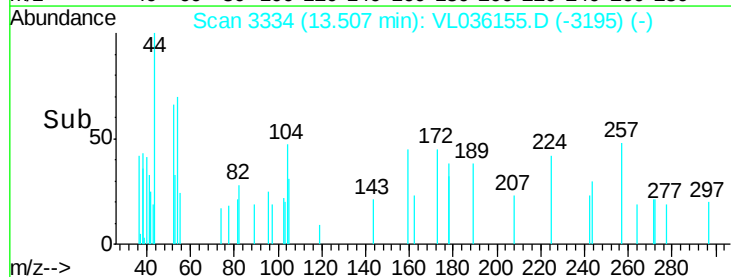
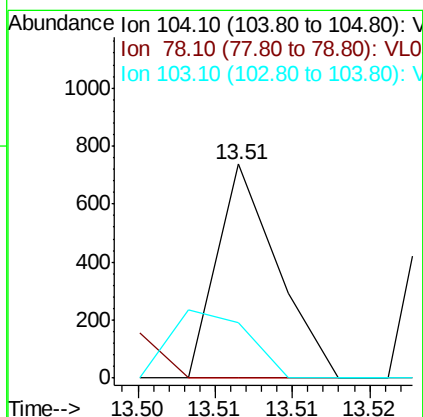
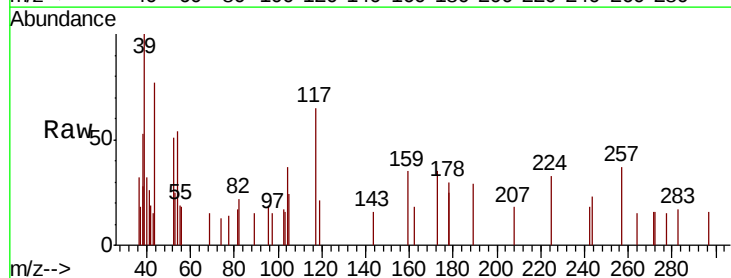
#60
o-Xylene
Concen: 0.001 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

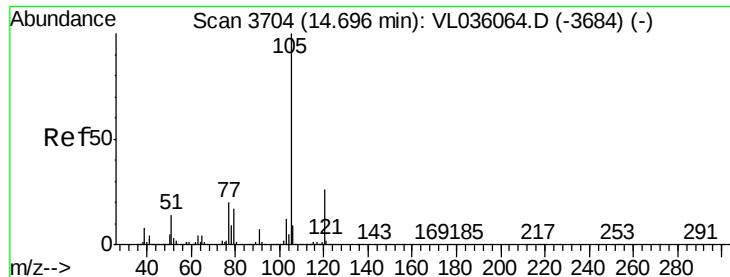
Tot Ion: 91 Resp: 169
Ion Ratio Lower Upper
91 100
106 27.8 21.6 64.6



#61
Styrene
Concen: 0.001 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.05 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tgt Ion: 104 Resp: 199
Ion Ratio Lower Upper
104 100
78 0.0 45.8 68.8#
103 61.3 38.6 57.8#





#62

Isopropylbenzene

Concen: 0.000 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.05 min

Lab File: VL036155.D

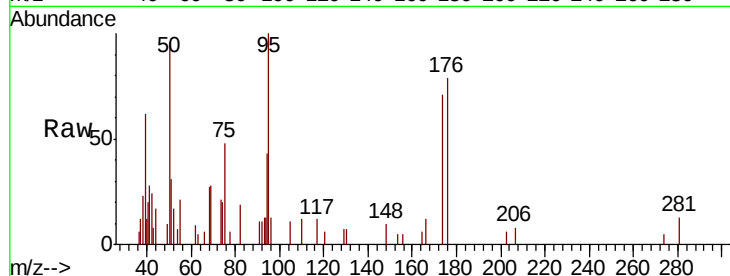
Acq: 11 Dec 2020 8:37

Tot Ion: 105 Resp: 130

Ion Ratio Lower Upper

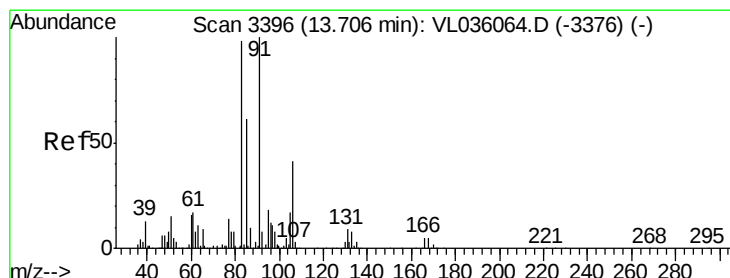
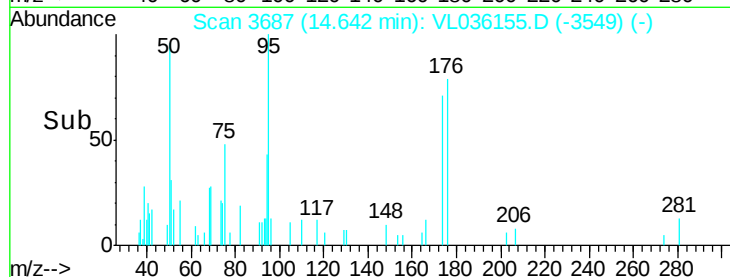
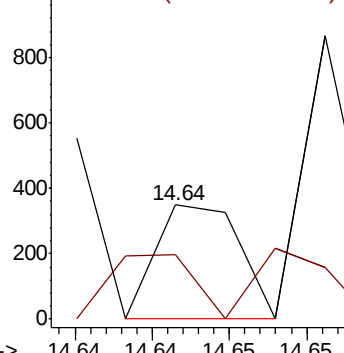
105 100

120 0.0 20.1 30.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.05 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

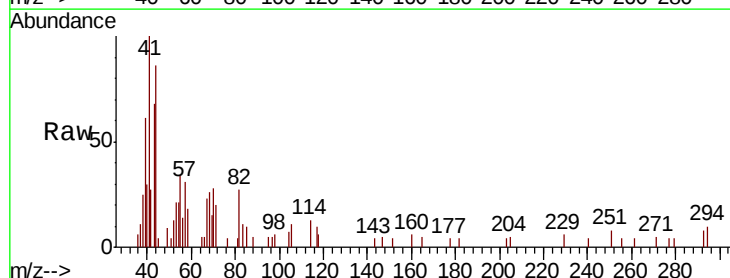
Tgt Ion: 83 Resp: 150

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

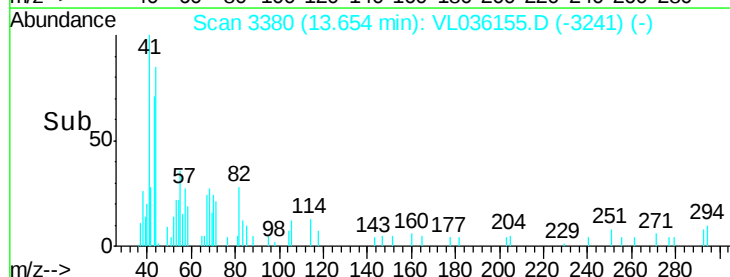
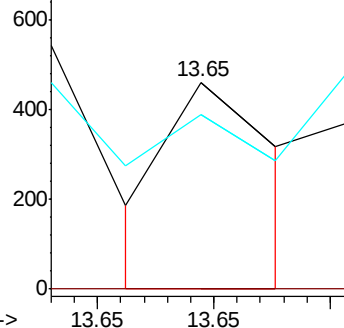
85 0.0 32.5 97.5#

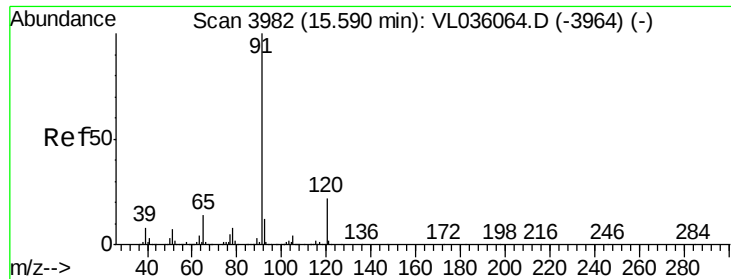


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

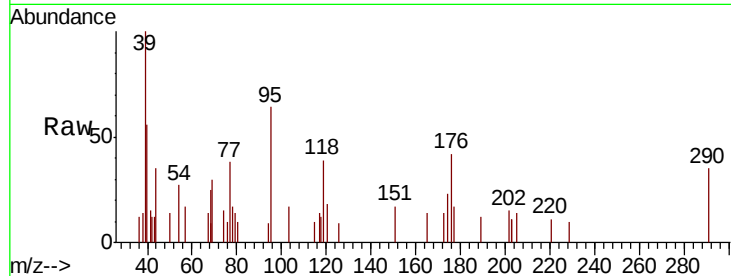
Ion 85.00 (84.70 to 85.70): VL0



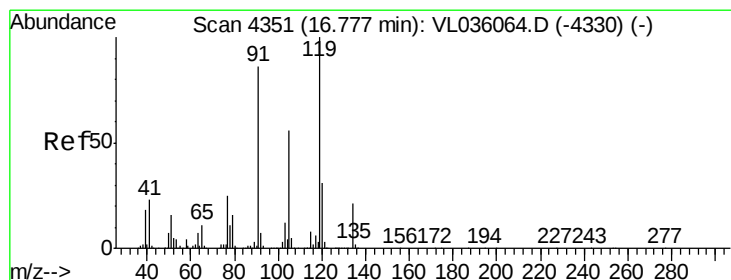
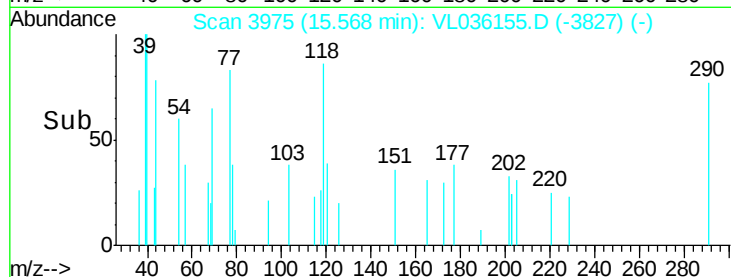
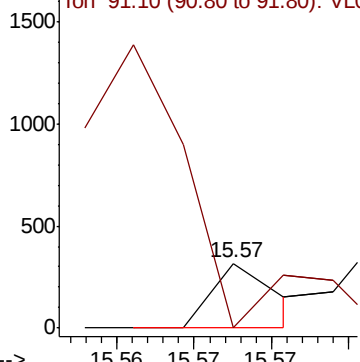


#64
n-propylbenzene
Concen: 0.001 ppbv
RT: 15.57 min Scan# 3975
Delta R.T. -0.02 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tot Ion:120 Resp: 90
Ion Ratio Lower Upper
120 100
91 2151.1 388.9 583.3#

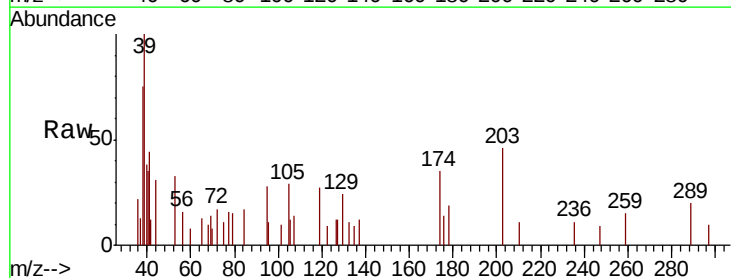


Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

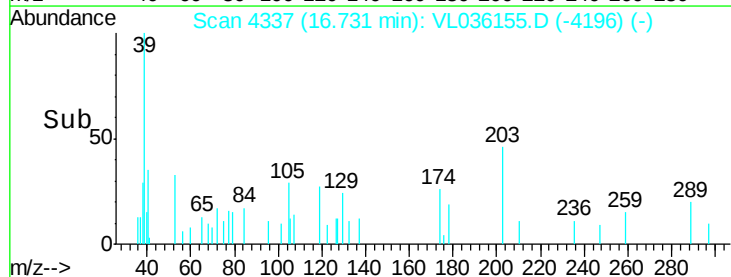
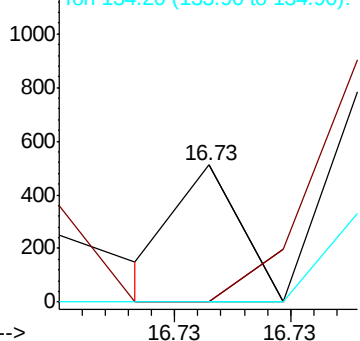


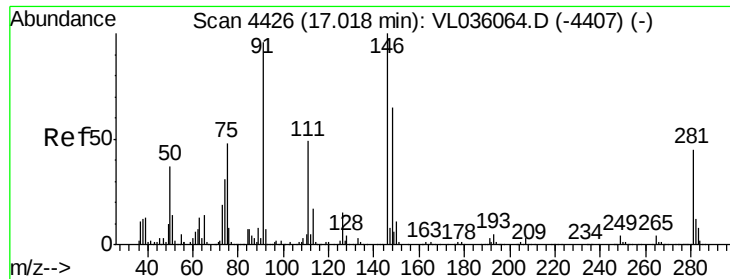
#65
tert-Butylbenzene
Concen: 0.000 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.05 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tgt Ion:119 Resp: 99
Ion Ratio Lower Upper
119 100
91 0.0 70.2 105.2#
134 0.0 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V





#66

Benzyl Chloride

Concen: 0.003 ppbv

RT: 16.95 min Scan# 4405

Delta R.T. -0.07 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

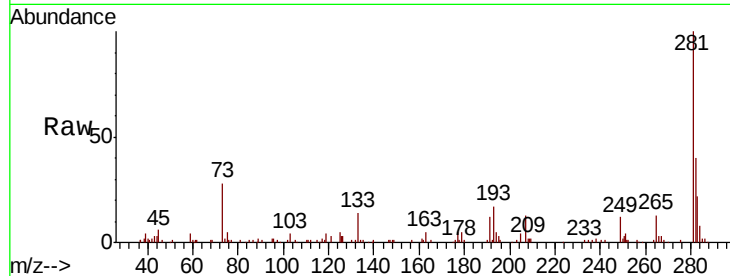
Tot Ion: 91 Resp: 201

Ion Ratio Lower Upper

91 100

126 751.2 13.5 20.3#

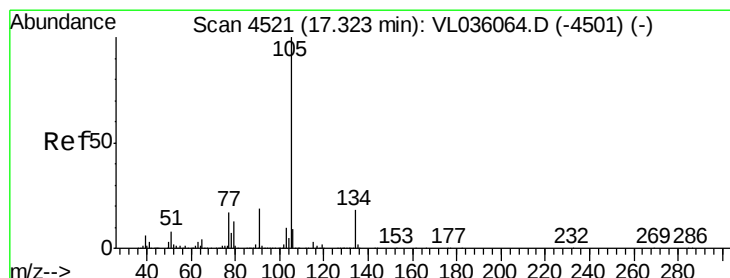
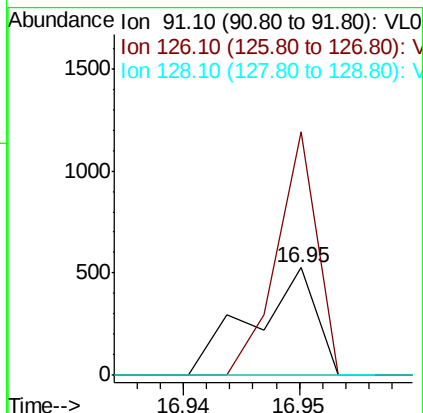
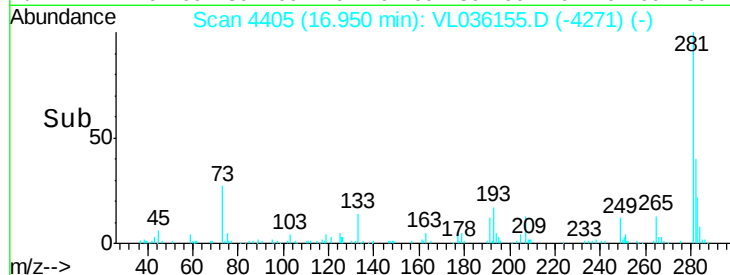
128 147.8 4.4 6.6#



Abundance Ion 91.10 (90.80 to 91.80): VL036155.D (-4271) (-)

Ion 126.10 (125.80 to 126.80): VL036155.D (-4271) (-)

Ion 128.10 (127.80 to 128.80): VL036155.D (-4271) (-)



#67

sec-Butylbenzene

Concen: 0.000 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.06 min

Lab File: VL036155.D

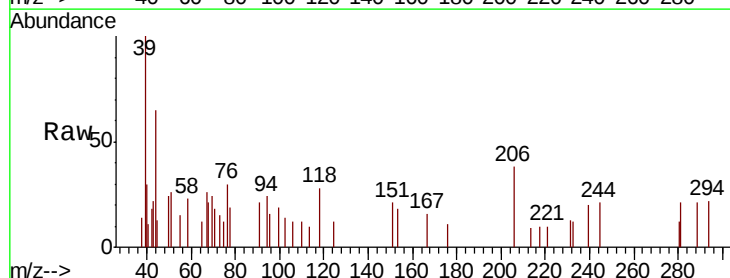
Acq: 11 Dec 2020 8:37

Tgt Ion: 105 Resp: 39

Ion Ratio Lower Upper

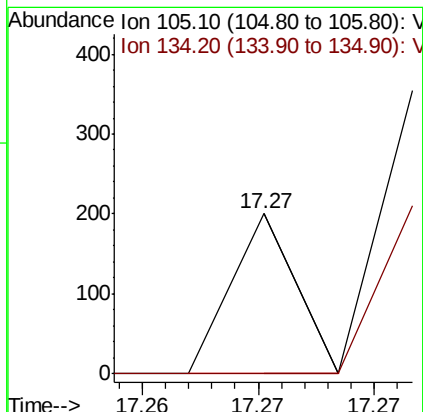
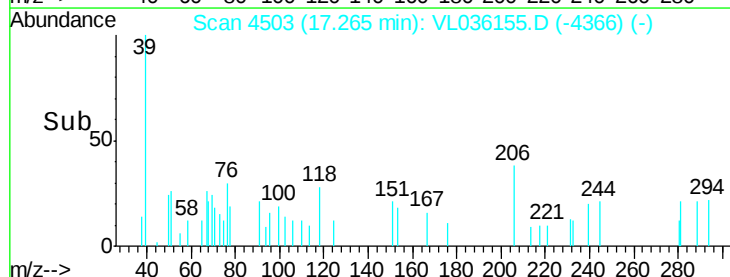
105 100

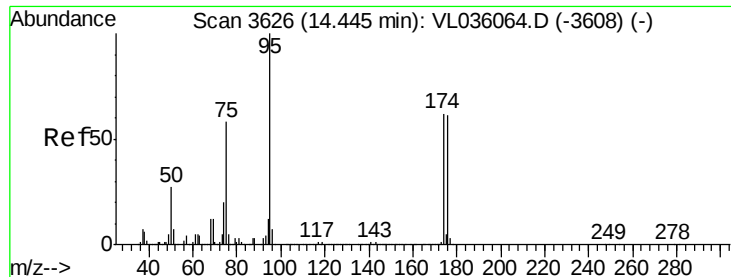
134 392.3 14.2 21.4#



Abundance Ion 105.10 (104.80 to 105.80): VL036155.D (-4366) (-)

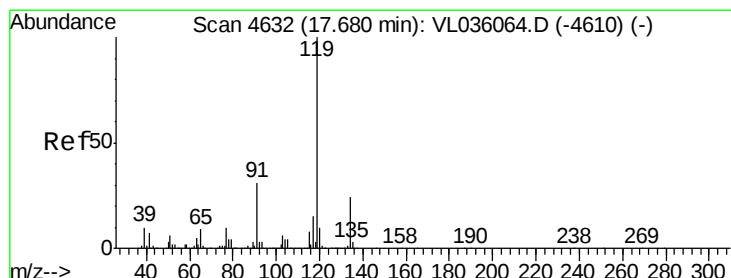
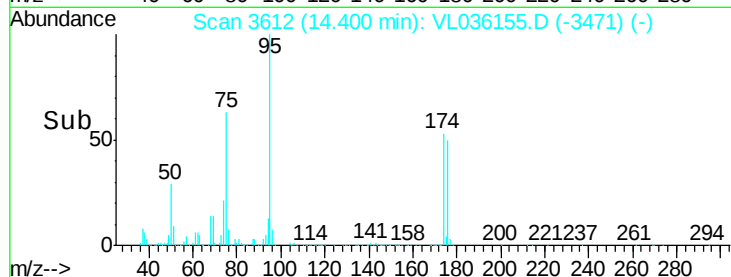
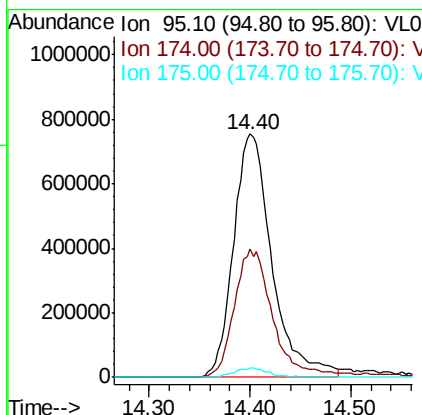
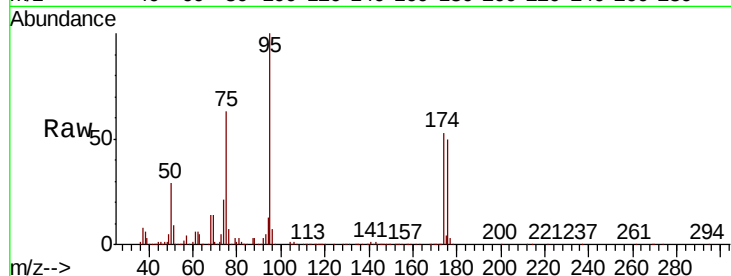
Ion 134.20 (133.90 to 134.90): VL036155.D (-4366) (-)





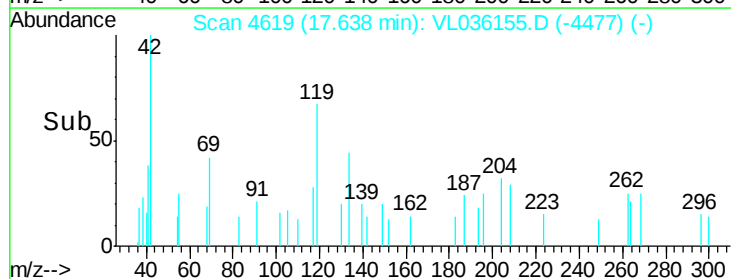
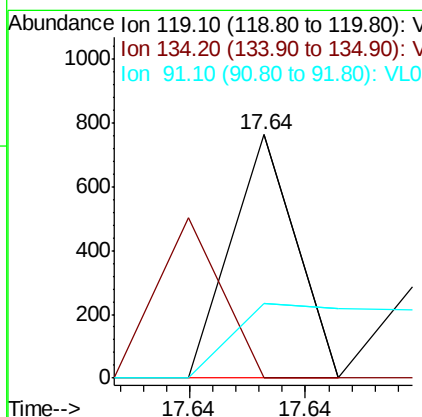
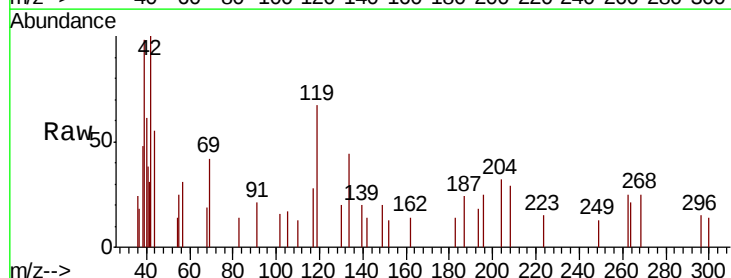
#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.096 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.05 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

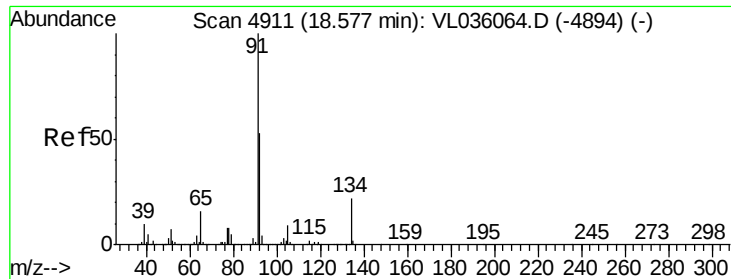
Tot Ion: 95 Resp: 1994673
 Ion Ratio Lower Upper
 95 100
 174 54.3 50.7 76.1
 175 3.7 4.0 6.0#



#69
 p-Isopropyltoluene
 Concen: 0.000 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.04 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

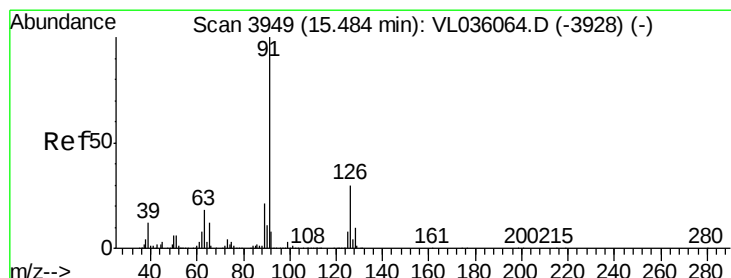
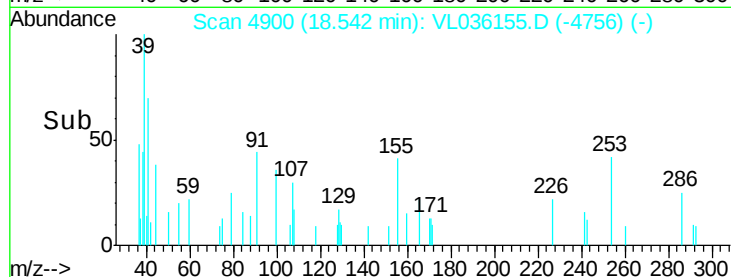
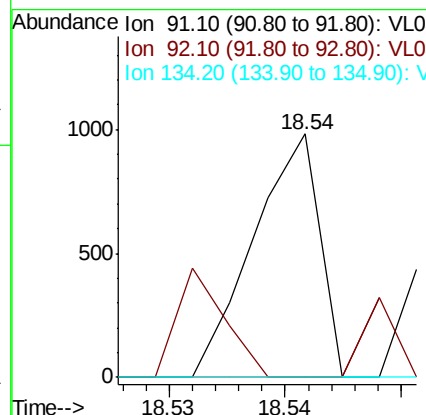
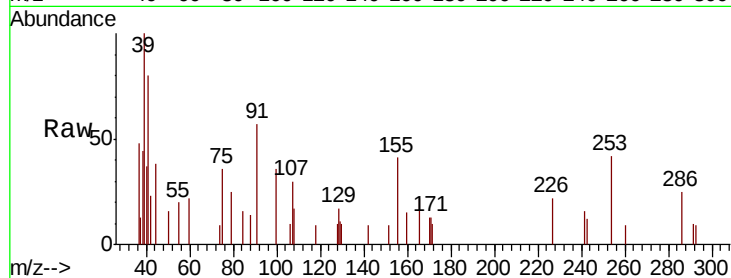
Tgt Ion: 119 Resp: 147
 Ion Ratio Lower Upper
 119 100
 134 148.3 19.8 29.6#
 91 0.0 25.8 38.6#





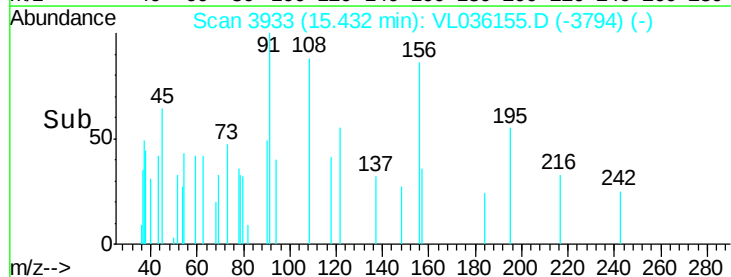
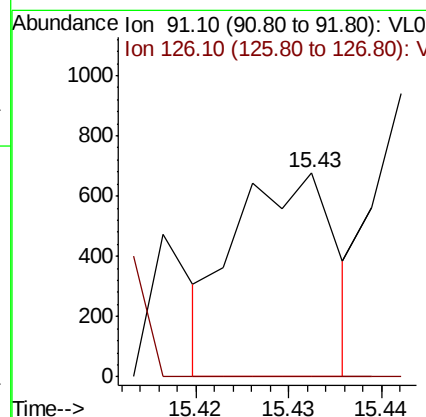
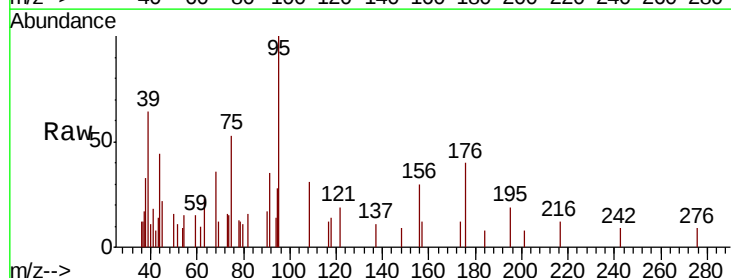
#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 18.54 min Scan# 4900
Delta R.T. -0.04 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

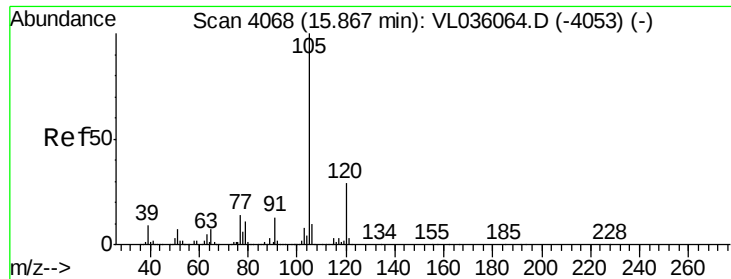
Tot Ion: 91 Resp: 387
Ion Ratio Lower Upper
91 100
92 61.5 43.3 64.9
134 0.0 17.1 25.7#



#71
2-Chlorotoluene
Concen: 0.002 ppbv
RT: 15.43 min Scan# 3933
Delta R.T. -0.05 min
Lab File: VL036155.D
Acq: 11 Dec 2020 8:37

Tgt Ion: 91 Resp: 506
Ion Ratio Lower Upper
91 100
126 0.0 11.6 46.4#





#72

4-Ethyltoluene

Concen: 0.001 ppbv

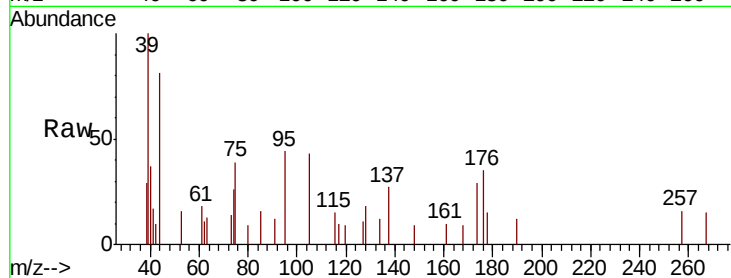
RT: 15.82 min Scan# 4052

Delta R.T. -0.05 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tot Ion:	105	Resp:	276
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#

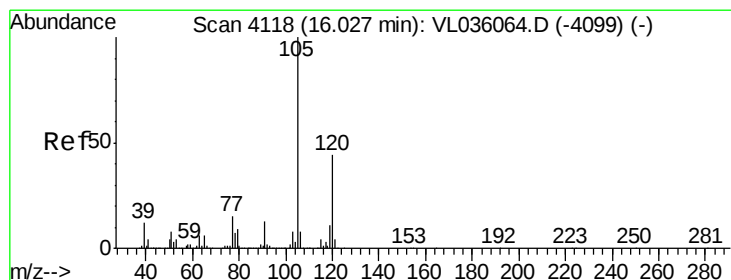
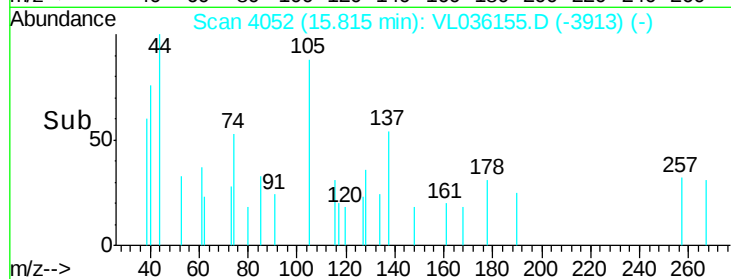
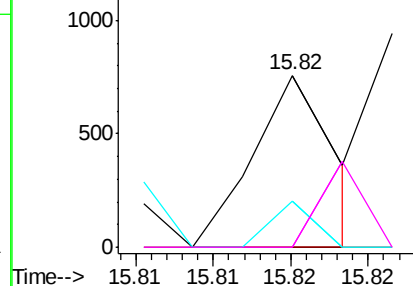


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.002 ppbv

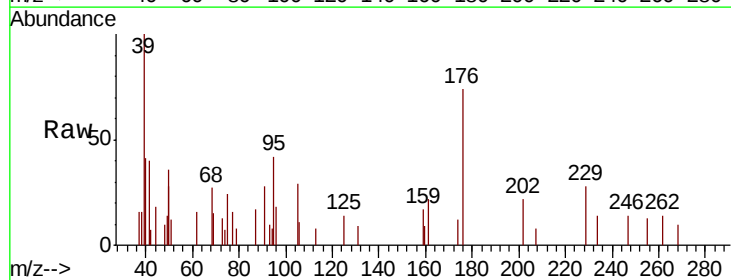
RT: 15.98 min Scan# 4104

Delta R.T. -0.05 min

Lab File: VL036155.D

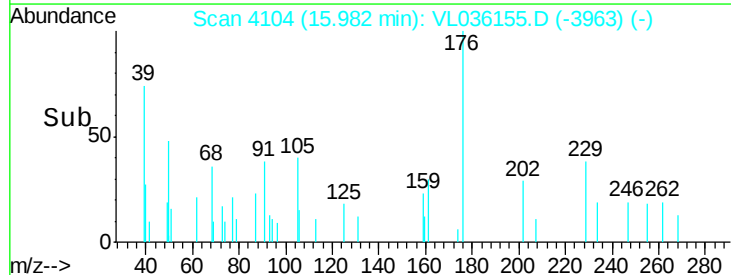
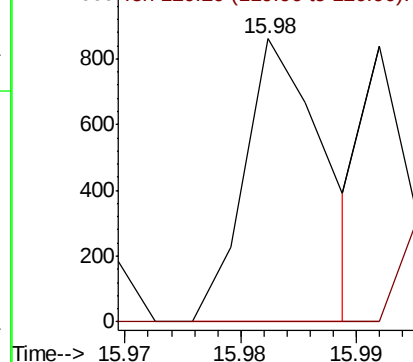
Acq: 11 Dec 2020 8:37

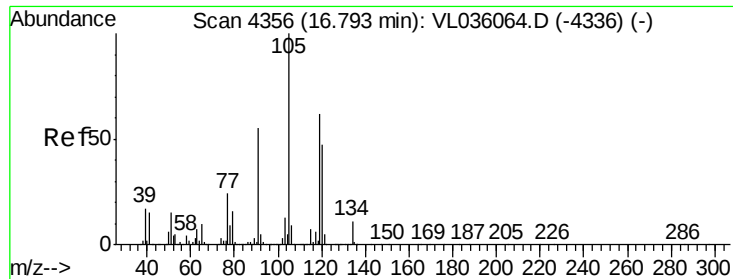
Tgt Ion:	105	Resp:	414
Ion	Ratio	Lower	Upper
105	100		
120	0.0	35.4	53.2#



Abundance Ion 105.10 (104.80 to 105.80): V

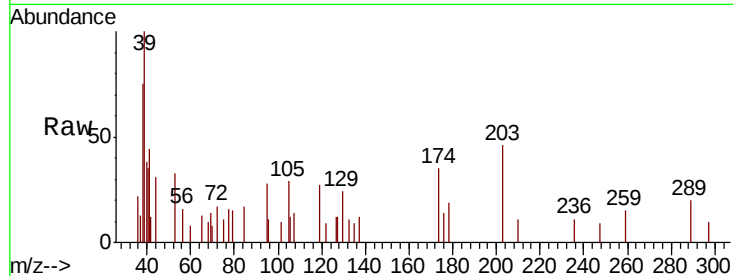
Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.001 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. -0.06 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

Tot Ion:	105	Resp:	274
Ion	Ratio	Lower	Upper
105	100		
120	0.0	37.4	56.0#
91	0.0	45.6	68.4#
77	38.3	19.4	29.2#

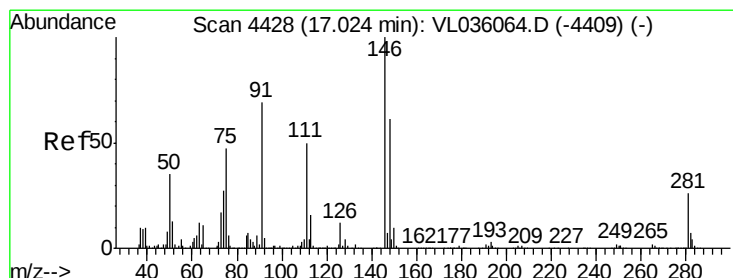
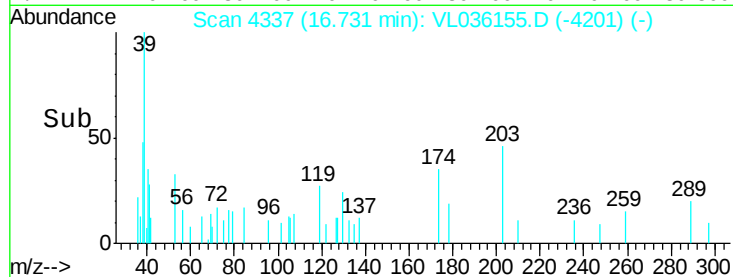
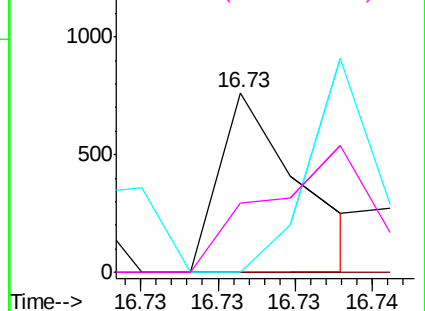


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

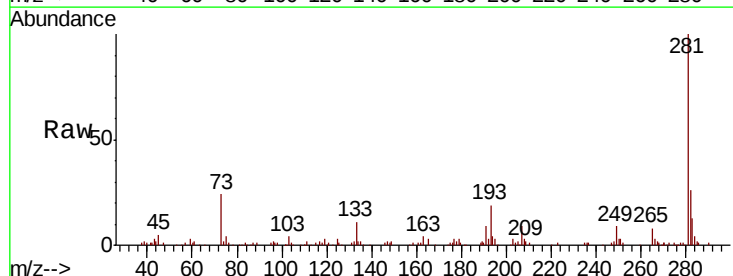
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75
 1,3-Dichlorobenzene
 Concen: 0.002 ppbv
 RT: 16.96 min Scan# 4409
 Delta R.T. -0.06 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

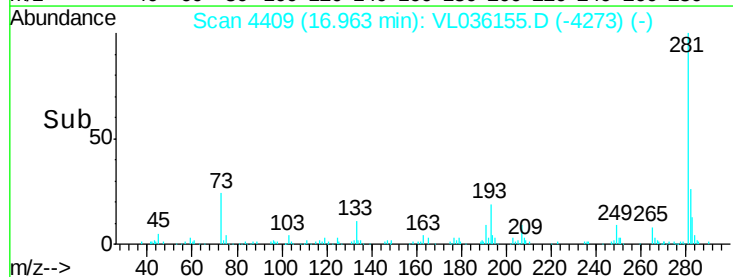
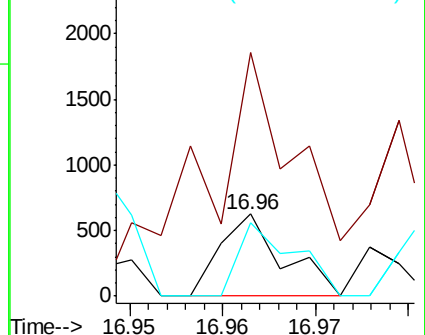
Tgt Ion:	146	Resp:	295
Ion	Ratio	Lower	Upper
146	100		
111	858.6	25.1	75.3#
148	0.0	32.9	98.6#

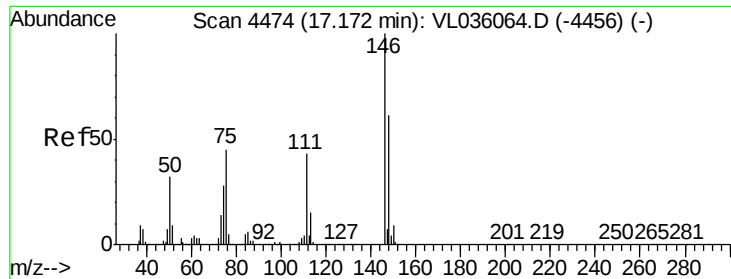


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.001 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.06 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

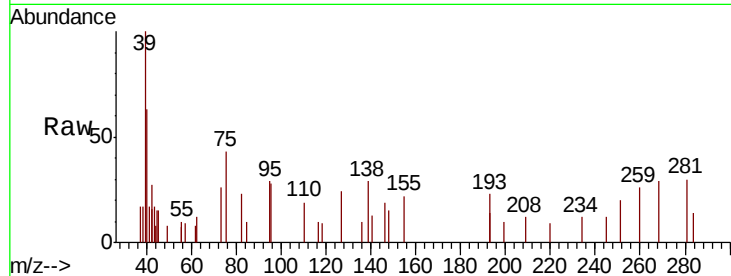
Tot Ion:146 Resp: 178

Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.8#

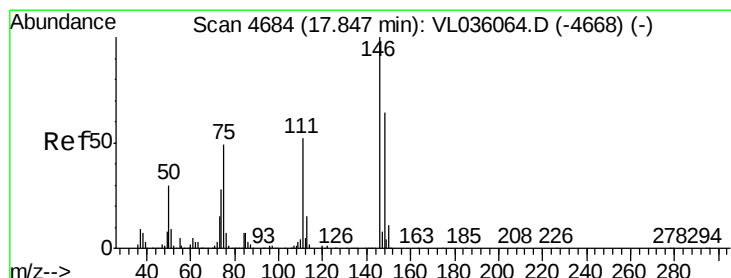
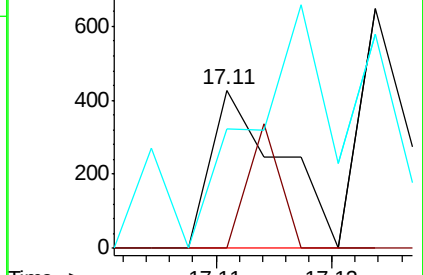
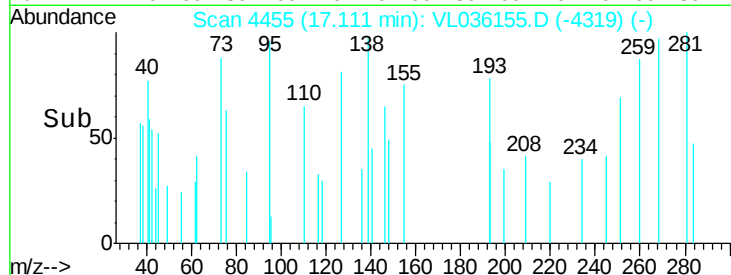
148 353.4 32.8 98.3#



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: 0.001 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. -0.04 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

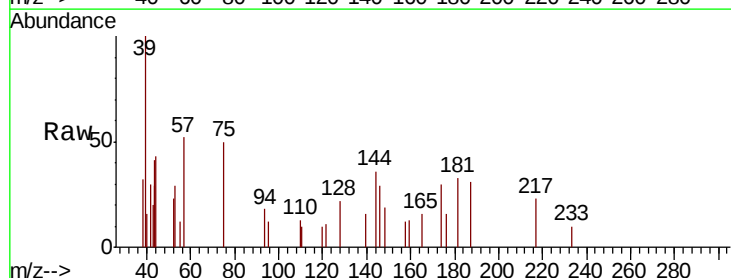
Tgt Ion:146 Resp: 162

Ion Ratio Lower Upper

146 100

111 456.2 26.1 78.2#

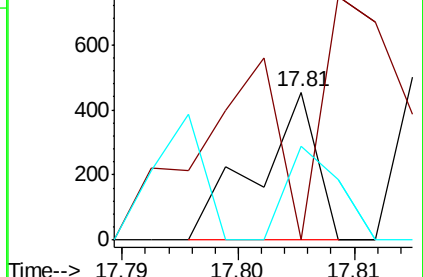
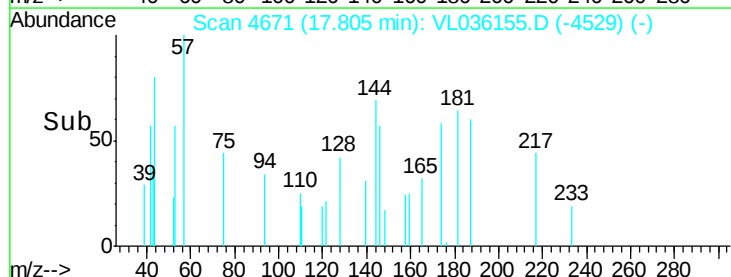
148 0.0 33.1 99.5#

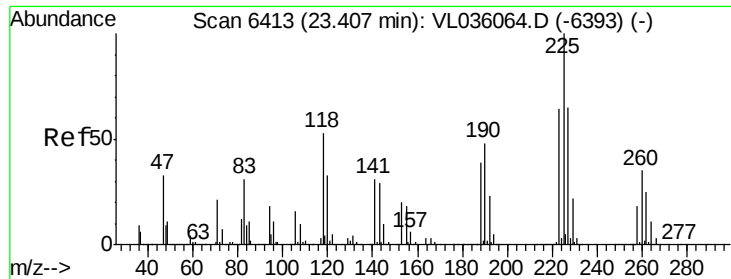


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

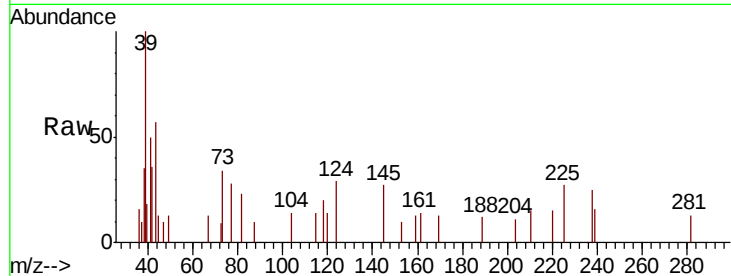




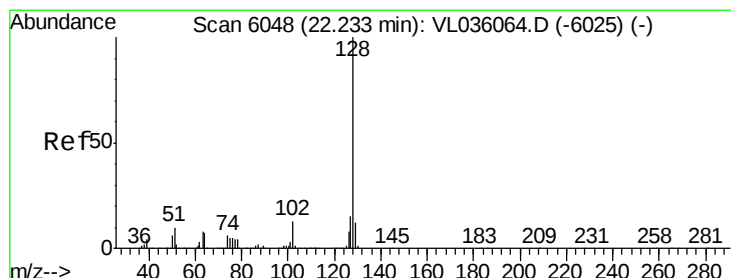
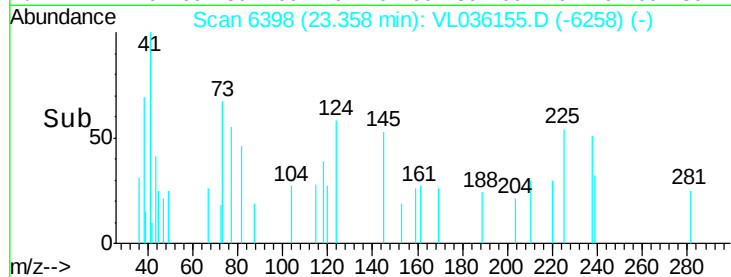
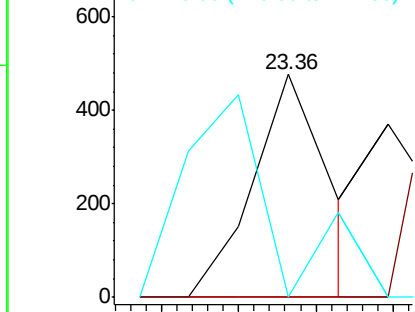
#78

Hexachloro-1,3-Butadiene
 Concen: 0.002 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.05 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

Tot Ion	Ratio	Lower	Upper
225	100		
223	84.6	51.1	76.7#
227	17.9	51.7	77.5#



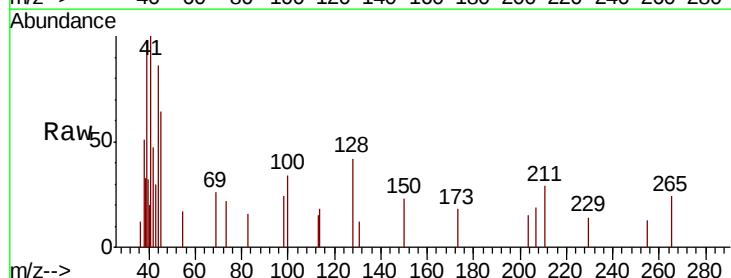
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



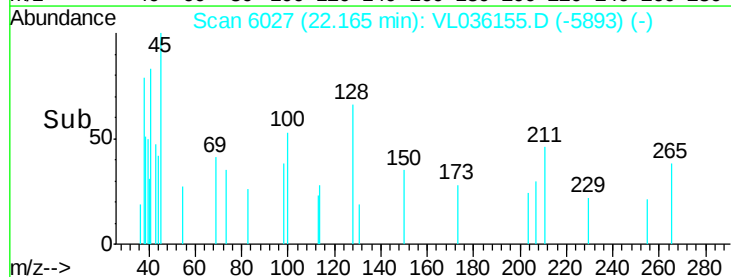
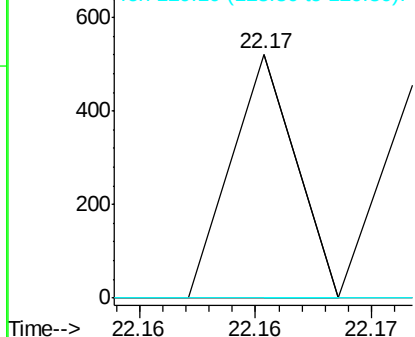
#79

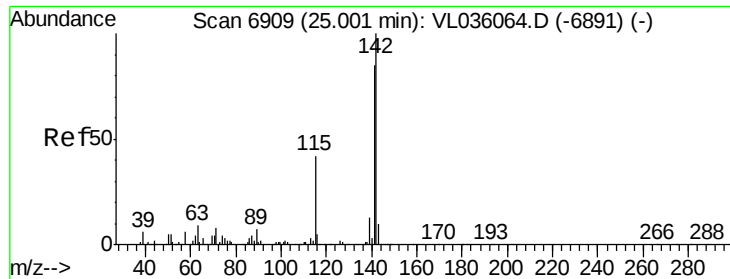
Naphthalene
 Concen: 0.001 ppbv
 RT: 22.17 min Scan# 6027
 Delta R.T. -0.07 min
 Lab File: VL036155.D
 Acq: 11 Dec 2020 8:37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	100.0	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: 0.002 ppbv

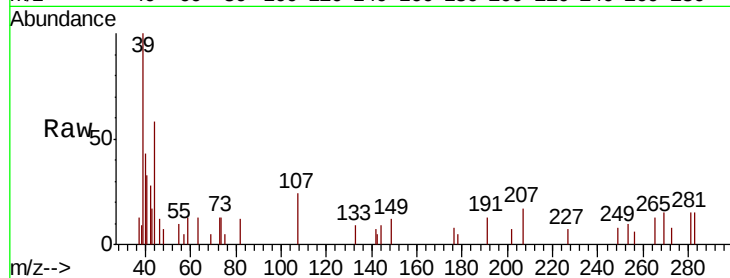
RT: 24.97 min Scan# 6898

Delta R.T. -0.04 min

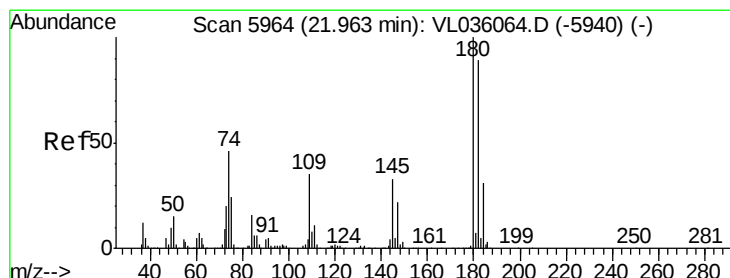
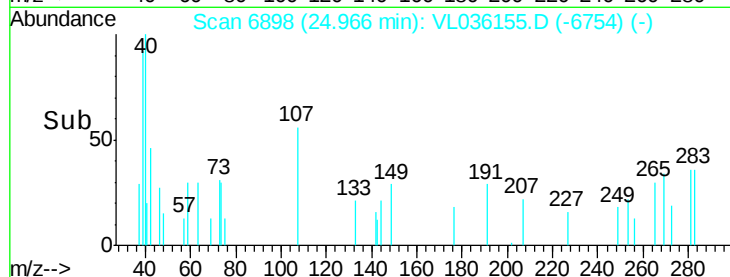
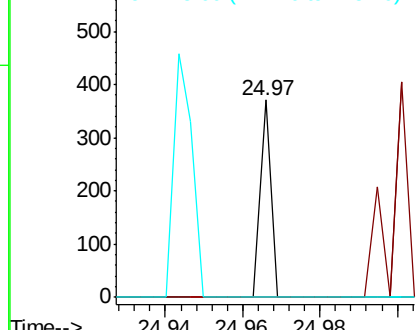
Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tot Ion:	142	Resp:	72
Ion	Ratio	Lower	Upper
142	100		
141	0.0	64.3	96.5#
115	211.1	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

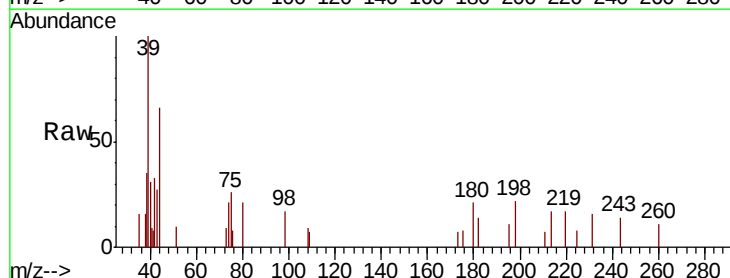
RT: 21.94 min Scan# 5956

Delta R.T. -0.03 min

Lab File: VL036155.D

Acq: 11 Dec 2020 8:37

Tgt Ion:	180	Resp:	124
Ion	Ratio	Lower	Upper
180	100		
182	119.4	0.0	0.0#
184	130.6	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

