

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036150.D
 Acq On : 11 Dec 2020 5:25
 Operator : SY/AP
 Sample : L5005-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 07:51:17 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	1305053	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2578672	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2313111	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2022265	11.01	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	3112	0.020	ppbv #	57
4) Chloromethane	3.13	50	798	0.011	ppbv #	88
5) Vinyl Chloride	3.25	62	93	0.001	ppbv #	44
6) Bromomethane	3.49	94	174	0.004	ppbv #	1
7) Chloroethane	3.57	64	115	0.004	ppbv #	40
8) Dichlorotetrafluoroethane	3.35	85	69	0.000	ppbv	88
9) Propene	2.99	41	19852m	0.266	ppbv	
10) Heptane	8.10	43	927	0.005	ppbv #	1
11) Trichlorofluoromethane	3.94	101	777	0.004	ppbv #	55
12) 1,1,2-Trichlorotrifluoroet	4.48	101	115	0.001	ppbv #	1
13) Ethanol	3.59	45	160654m	15.624	ppbv	
14) Bromoethene	3.76	108	142	0.003	ppbv #	1
15) Acetone	3.85	43	83839m	0.535	ppbv	
17) tert-Butyl alcohol	4.29	59	168	0.001	ppbv #	71
18) 1,1-Dichloroethene	4.50	96	129	0.002	ppbv #	1
19) Isopropyl Alcohol	3.73	45	1409	0.015	ppbv #	100
20) Methylene Chloride	4.33	84	36919	0.574	ppbv	95
21) Allyl Chloride	4.39	41	547	0.005	ppbv #	18
22) trans-1,2-Dichloroethene	4.87	96	145	0.003	ppbv #	1
23) Vinyl Acetate	5.05	43	3157	0.015	ppbv #	1
24) 1,1-Dichloroethane	5.00	63	200	0.001	ppbv #	88
25) Ethyl Acetate	5.67	43	37105m	0.118	ppbv	
26) Hexane	5.67	57	25524m	0.181	ppbv	
27) Carbon Disulfide	4.53	76	497	0.004	ppbv #	59
28) Methyl tert-Butyl Ether	5.02	73	147	0.001	ppbv #	51
29) Chloroform	5.72	83	692	0.004	ppbv	91
30) Cyclohexane	7.10	84	104	0.001	ppbv #	1
31) cis-1,2-Dichloroethene	5.53	61	380	0.003	ppbv #	54
32) 1,1,1-Trichloroethane	6.67	97	84	0.000	ppbv	91
34) 2-Butanone	5.23	43	1631	0.010	ppbv #	1
35) Carbon Tetrachloride	7.00	117	290	0.002	ppbv #	54
36) Benzene	6.87	78	836	0.004	ppbv #	1
37) 1,2-Dichloroethane	6.29	62	471	0.004	ppbv #	83
38) Trichloroethene	7.80	130	185	0.002	ppbv #	25
40) 1,4-Dioxane	7.81	88	215	0.008	ppbv #	1
41) Tetrahydrofuran	6.01	42	122	0.001	ppbv #	42
42) Bromodichloromethane	7.77	83	339	0.002	ppbv #	24
43) Methyl Methacrylate	8.00	69	297	0.003	ppbv #	1
44) 2,2,4-Trimethylpentane	7.85	57	753	0.002	ppbv #	41
45) t-1,3-Dichloropropene	9.19	75	73	0.001	ppbv #	42
46) cis-1,3-Dichloropropene	8.68	75	92	0.001	ppbv #	1

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

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

Response via : Initial Calibration

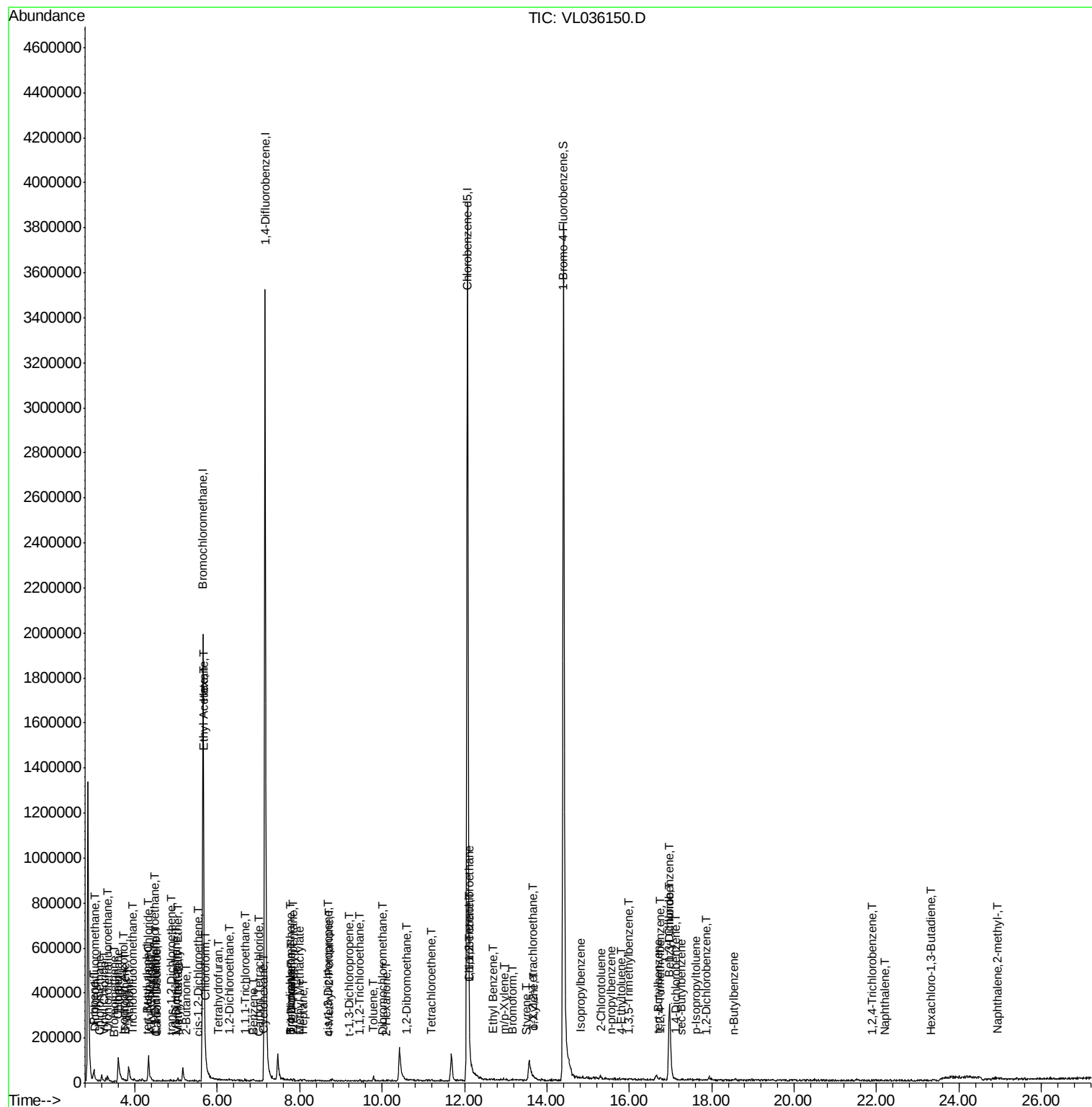
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

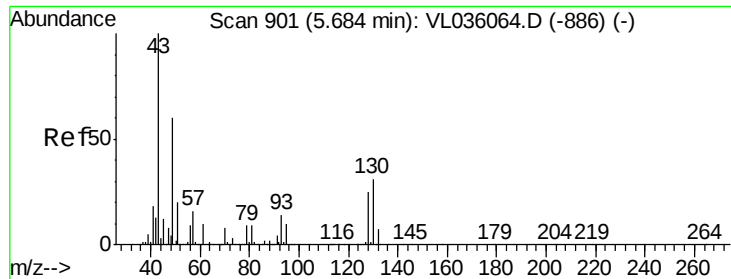
47) 1,1,2-Trichloroethane	9.45	97	260	0.003	ppbv #	14
48) Dibromochloromethane	10.00	129	240	0.002	ppbv	80
49) Bromoform	13.17	173	112	0.001	ppbv #	4
50) 4-Methyl-2-Pentanone	8.71	43	294	0.001	ppbv #	40
51) 2-Hexanone	10.10	43	176	0.001	ppbv #	29
52) Tetrachloroethene	11.19	164	82	0.001	ppbv #	1
53) Toluene	9.78	91	3667	0.015	ppbv #	21
54) 1,2-Dibromoethane	10.59	107	121	0.001	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.13	131	232	0.002	ppbv #	1
57) Chlorobenzene	12.13	112	531	0.003	ppbv #	21
58) Ethyl Benzene	12.69	91	571	0.002	ppbv	98
59) m/p-Xylene	12.97	91	1717	0.006	ppbv #	1
60) o-Xylene	13.67	91	877	0.003	ppbv #	1
61) Styrene	13.51	104	368	0.002	ppbv #	1
62) Isopropylbenzene	14.82	105	146	0.000	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.66	83	403	0.002	ppbv #	20
64) n-propylbenzene	15.56	120	207	0.002	ppbv	85
65) tert-Butylbenzene	16.72	119	119	0.000	ppbv #	1
66) Benzyl Chloride	16.95	91	44	0.001	ppbv #	1
67) sec-Butylbenzene	17.27	105	122	0.000	ppbv #	60
69) p-Isopropyltoluene	17.62	119	271	0.001	ppbv #	59
70) n-Butylbenzene	18.54	91	204	0.001	ppbv #	27
71) 2-Chlorotoluene	15.32	91	484	0.002	ppbv	72
72) 4-Ethyltoluene	15.80	105	307	0.001	ppbv #	48
73) 1,3,5-Trimethylbenzene	15.98	105	559	0.002	ppbv #	65
74) 1,2,4-Trimethylbenzene	16.74	105	698	0.003	ppbv #	64
75) 1,3-Dichlorobenzene	16.96	146	203	0.002	ppbv #	1
76) 1,4-Dichlorobenzene	17.11	146	88	0.001	ppbv #	7
77) 1,2-Dichlorobenzene	17.87	146	91	0.001	ppbv	77
78) Hexachloro-1,3-Butadiene	23.32	225	101	0.001	ppbv #	18
79) Naphthalene	22.20	128	127	0.001	ppbv #	67
80) Naphthalene,2-methyl-	24.93	142	91	0.003	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.88	180	30	0.000	ppbv #	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

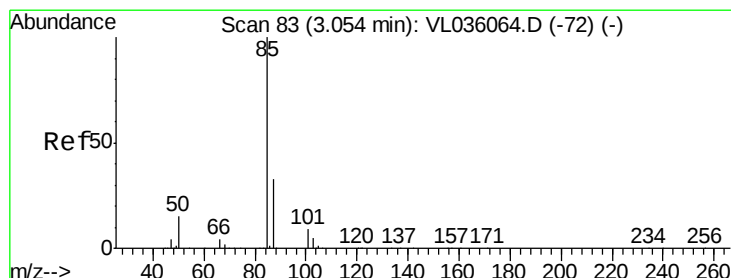
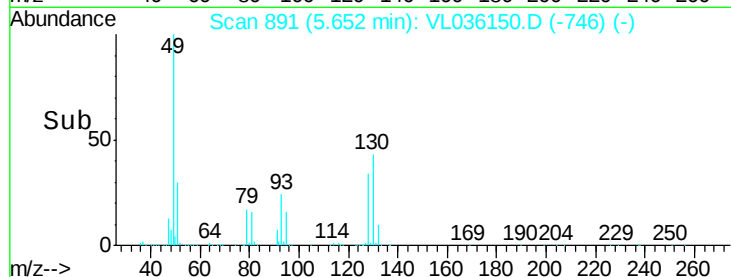
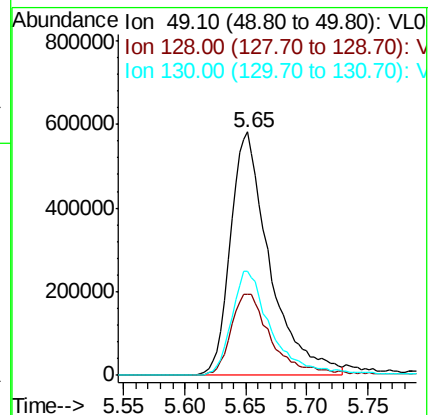
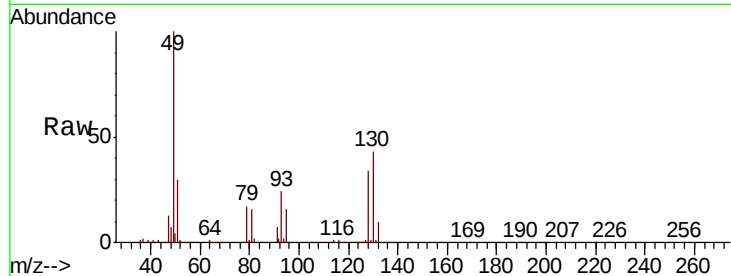
Tot Ion: 49 Resp: 1305053

Ion Ratio Lower Upper

49 100

128 35.6 21.1 63.1

130 44.4 27.1 81.3



#2

Dichlorodifluoromethane

Concen: 0.020 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL036150.D

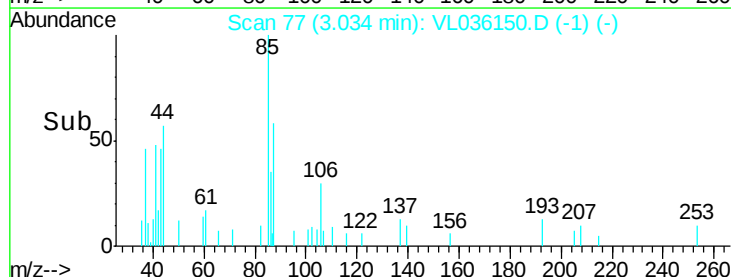
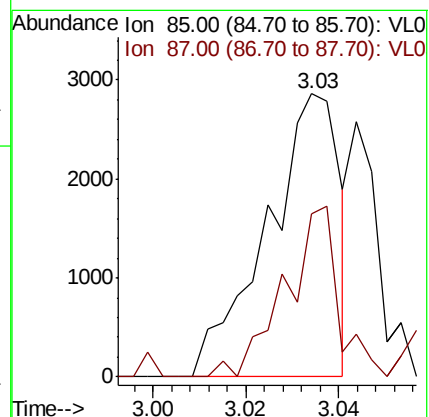
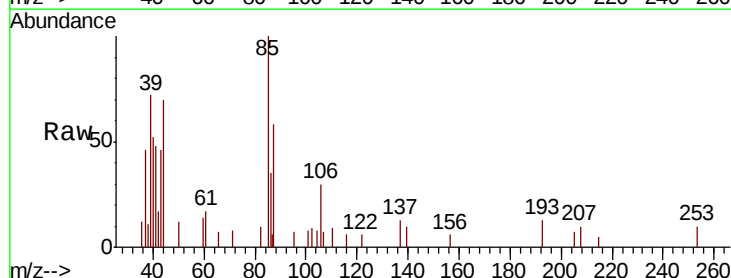
Acq: 11 Dec 2020 5:25

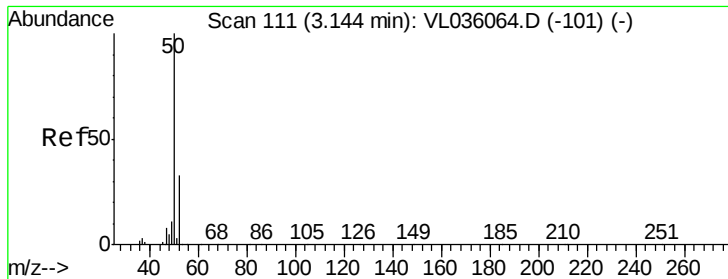
Tgt Ion: 85 Resp: 3112

Ion Ratio Lower Upper

85 100

87 57.6 26.5 39.7#





#4

Chloromethane

Concen: 0.011 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL036150.D

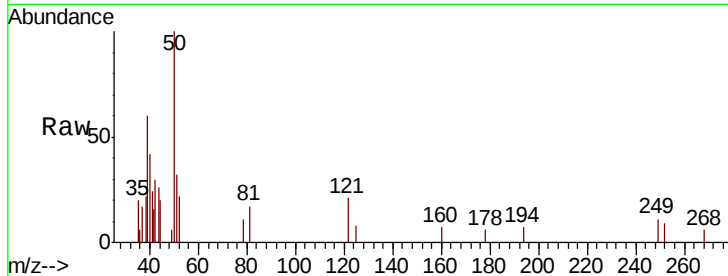
Acq: 11 Dec 2020 5:25

Tot Ion: 50 Resp: 798

Ion Ratio Lower Upper

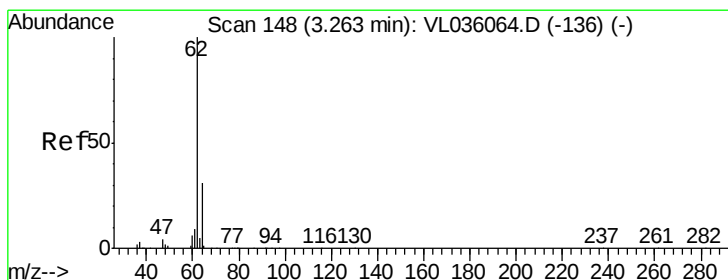
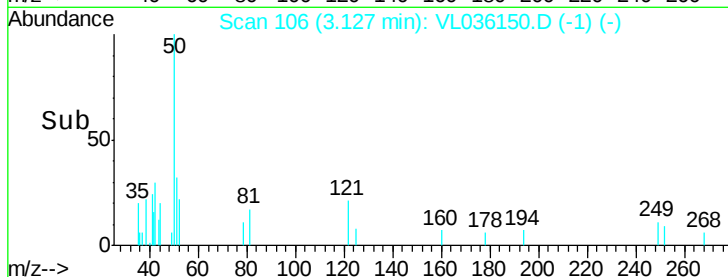
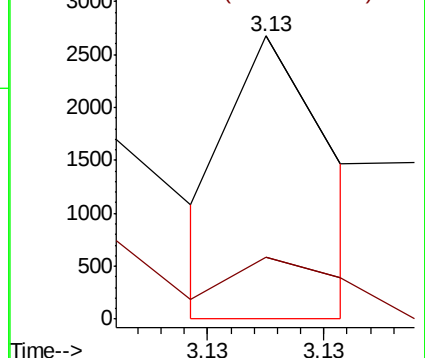
50 100

52 25.7 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: 0.001 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.01 min

Lab File: VL036150.D

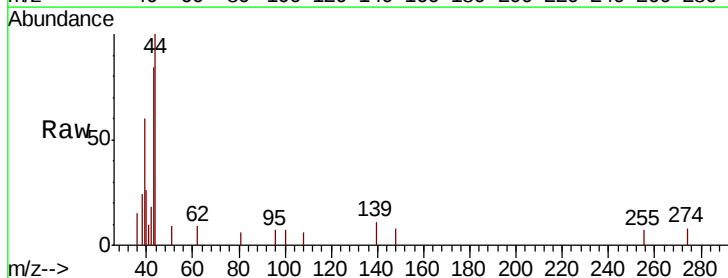
Acq: 11 Dec 2020 5:25

Tgt Ion: 62 Resp: 93

Ion Ratio Lower Upper

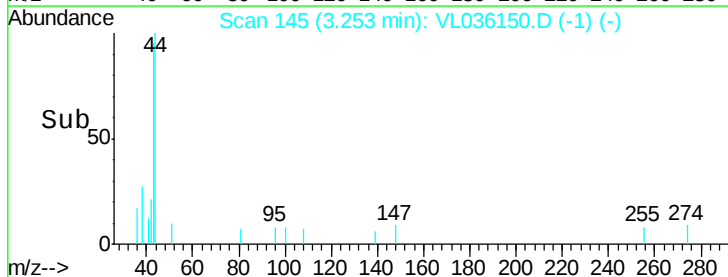
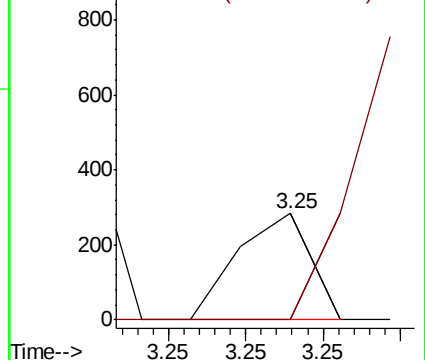
62 100

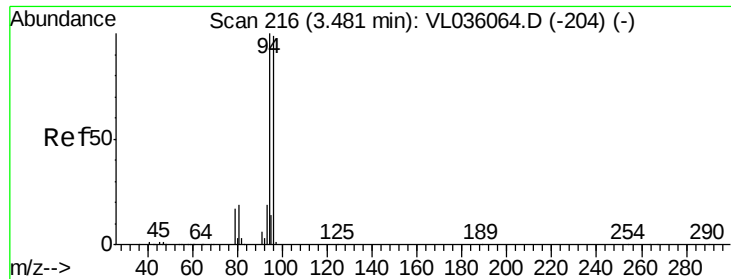
64 0.0 24.5 36.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#6

Bromomethane

Concen: 0.004 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL036150.D

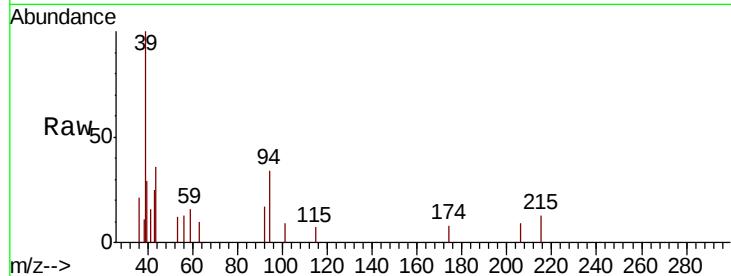
Acq: 11 Dec 2020 5:25

Tot Ion: 94 Resp: 174

Ion Ratio Lower Upper

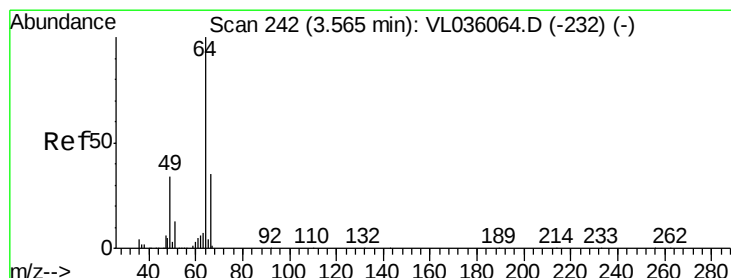
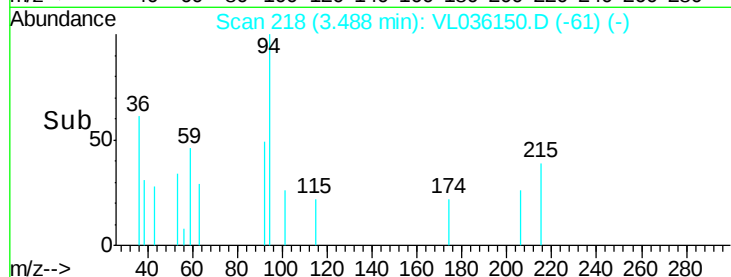
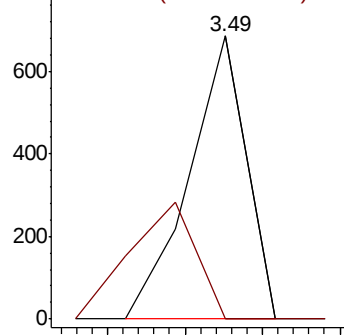
94 100

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: 0.004 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL036150.D

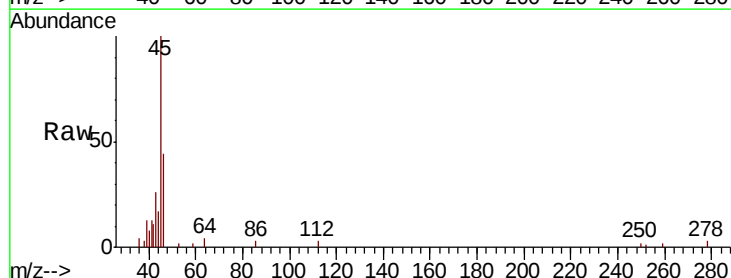
Acq: 11 Dec 2020 5:25

Tgt Ion: 64 Resp: 115

Ion Ratio Lower Upper

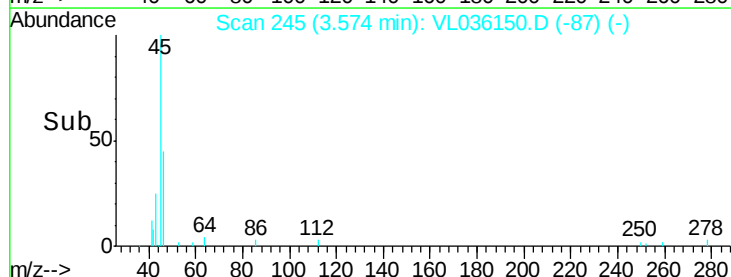
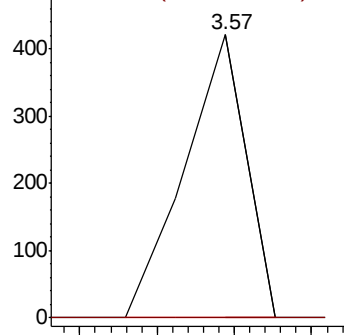
64 100

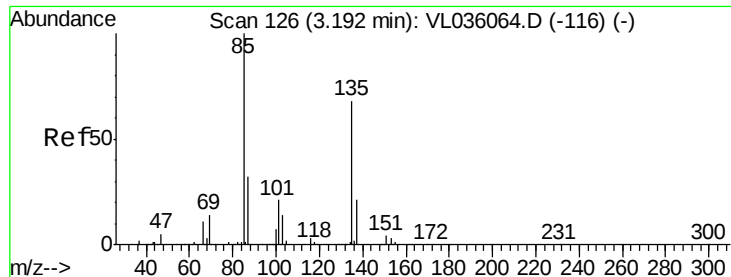
66 0.0 27.7 41.5#



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: 3.35 min Scan# 174

Delta R.T. 0.15 min

Lab File: VL036150.D

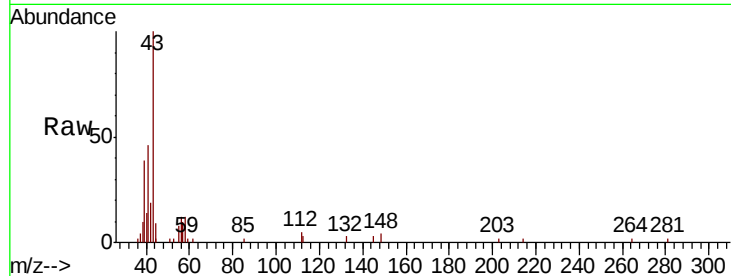
Acq: 11 Dec 2020 5:25

Tot Ion: 85 Resp: 69

Ion Ratio Lower Upper

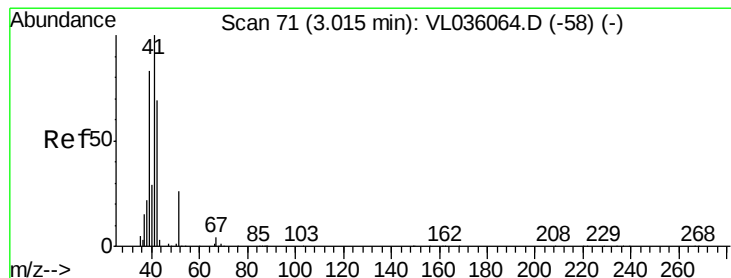
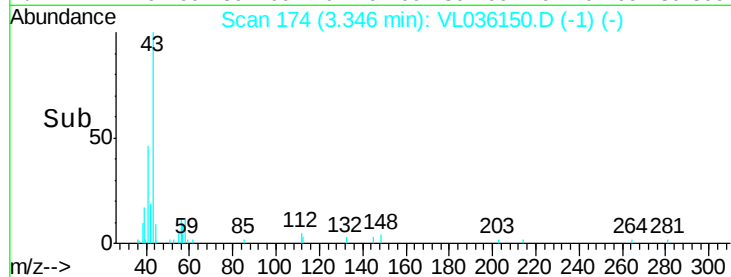
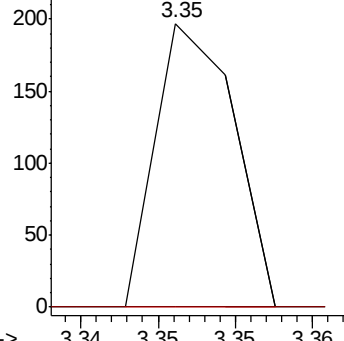
85 100

135 58.0 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: 0.266 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL036150.D

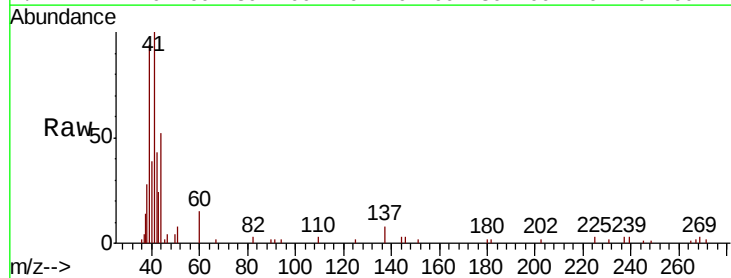
Acq: 11 Dec 2020 5:25

Tgt Ion: 41 Resp: 19852

Ion Ratio Lower Upper

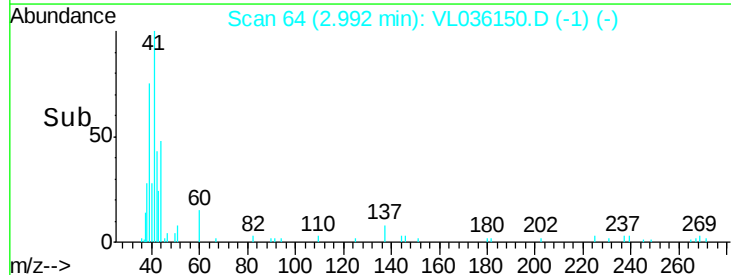
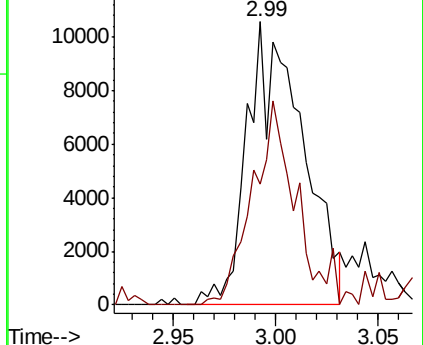
41 100

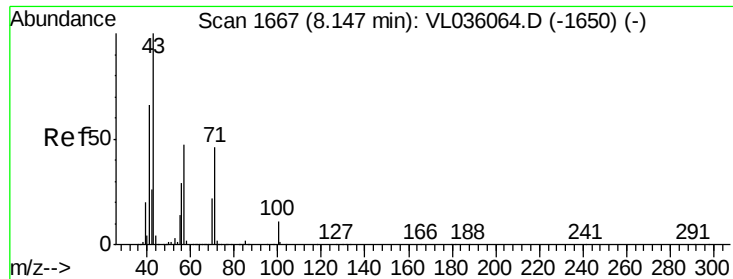
42 56.8 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.005 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.05 min

Lab File: VL036150.D

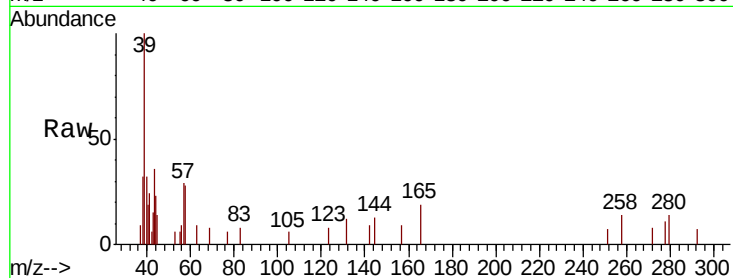
Acq: 11 Dec 2020 5:25

Tot Ion: 43 Resp: 927

Ion Ratio Lower Upper

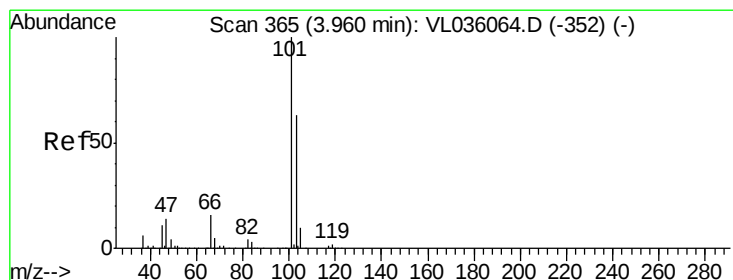
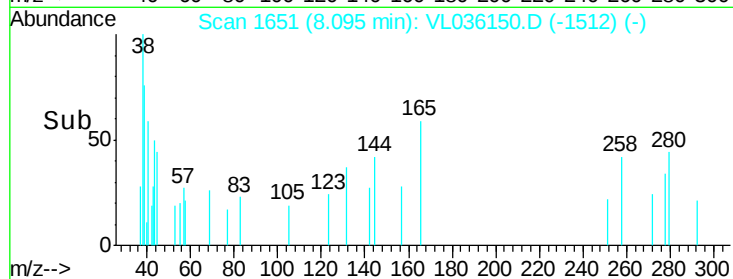
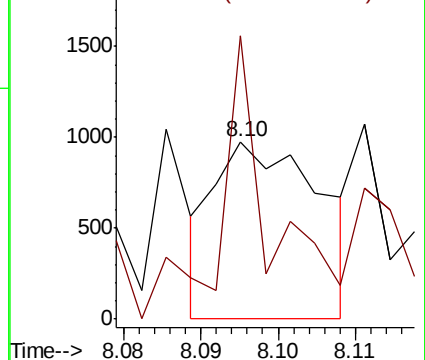
43 100

57 242.2 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: 0.004 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL036150.D

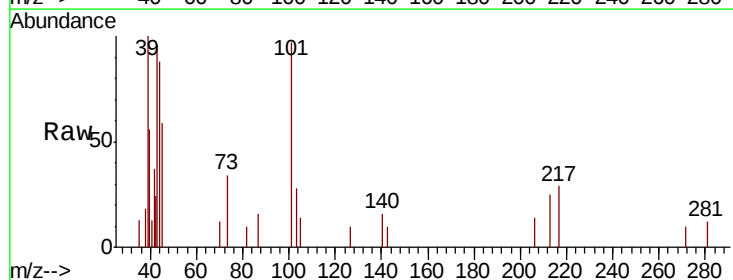
Acq: 11 Dec 2020 5:25

Tgt Ion: 101 Resp: 777

Ion Ratio Lower Upper

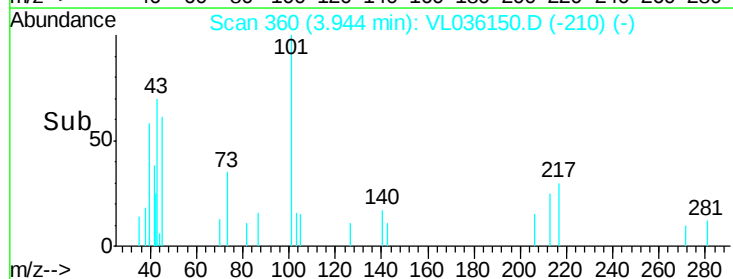
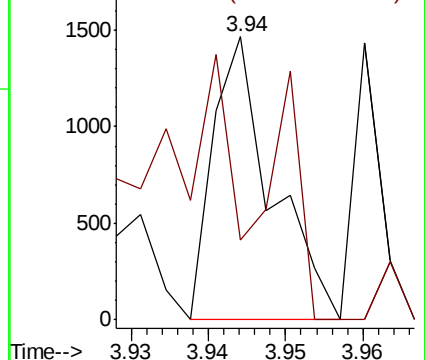
101 100

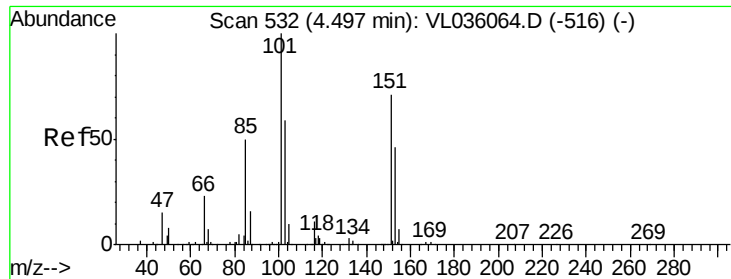
103 28.4 50.3 75.5#



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: 4.48 min Scan# 527

Delta R.T. -0.02 min

Lab File: VL036150.D

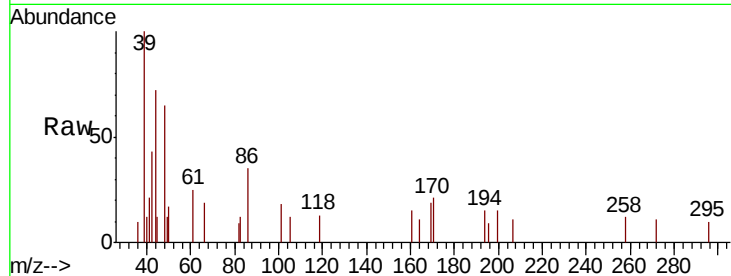
Acq: 11 Dec 2020 5:25

Tot Ion: 101 Resp: 115

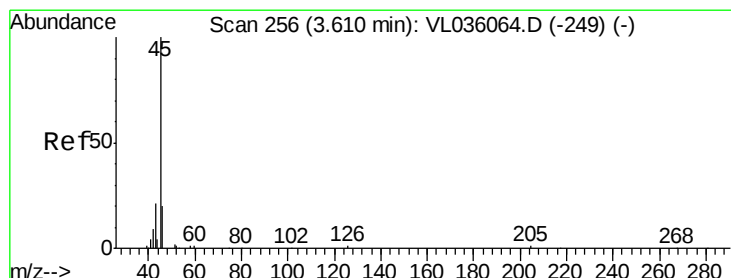
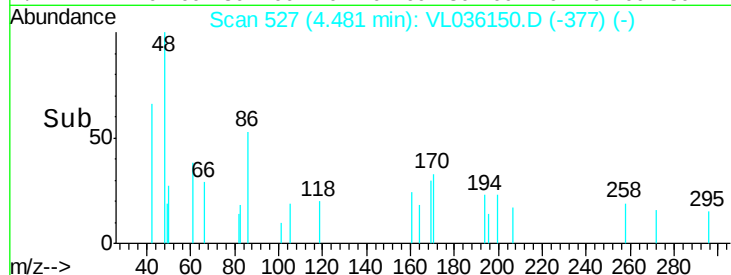
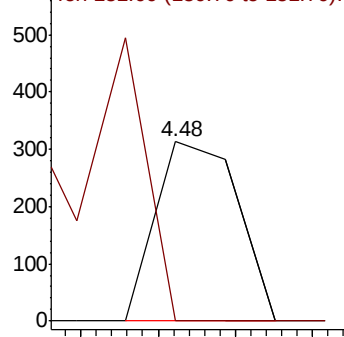
Ion Ratio Lower Upper

101 100

151 173.0 59.3 88.9#



Abundance Ion 101.00 (100.70 to 101.70): V



#13

Ethanol

Concen: 15.624 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL036150.D

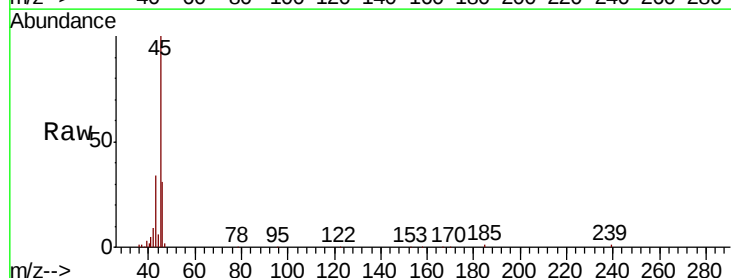
Acq: 11 Dec 2020 5:25

Tgt Ion: 45 Resp: 160654

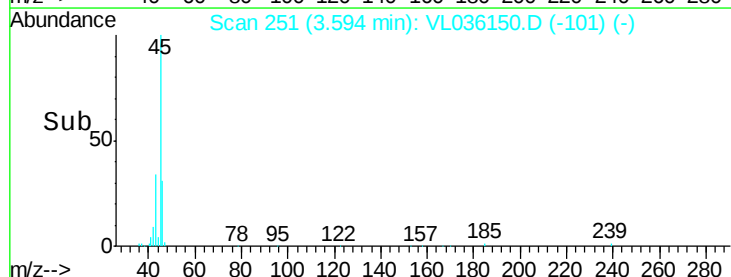
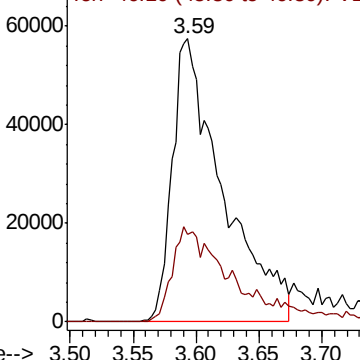
Ion Ratio Lower Upper

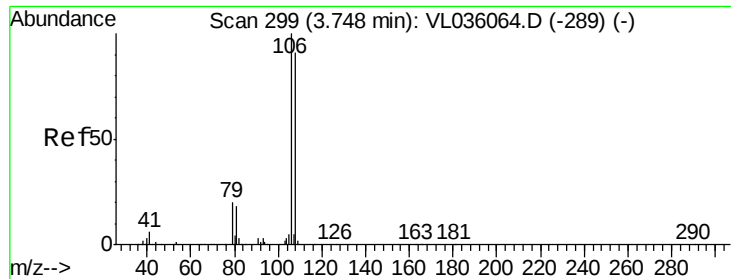
45 100

46 41.3 19.0 75.8



Abundance Ion 45.10 (44.80 to 45.80): VL0





#14

Bromoethene

Concen: 0.003 ppbv

RT: 3.76 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

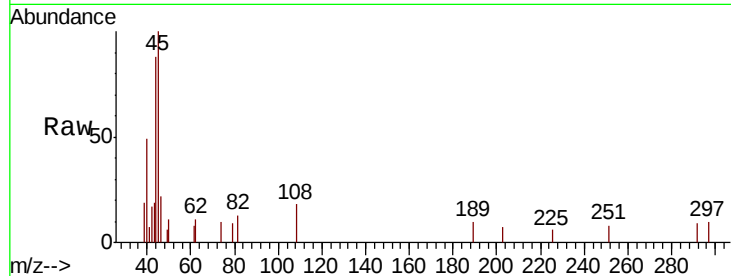
Tot Ion: 108 Resp: 142

Ion Ratio Lower Upper

108 100

106 0.0 91.0 136.4#

79 62.0 19.3 28.9#



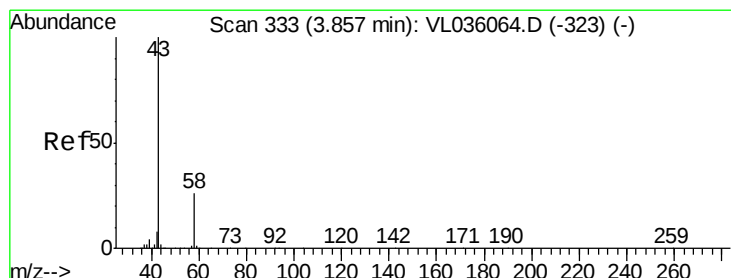
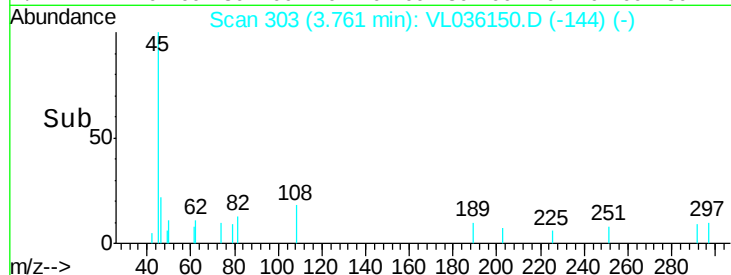
Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): V

3.76

Time-->



#15

Acetone

Concen: 0.535 ppbv m

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL036150.D

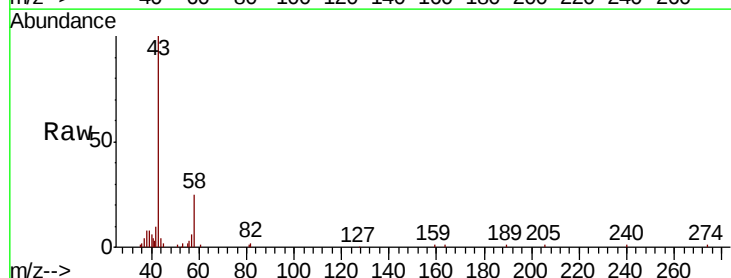
Acq: 11 Dec 2020 5:25

Tgt Ion: 43 Resp: 83839

Ion Ratio Lower Upper

43 100

58 32.0 20.9 31.3#

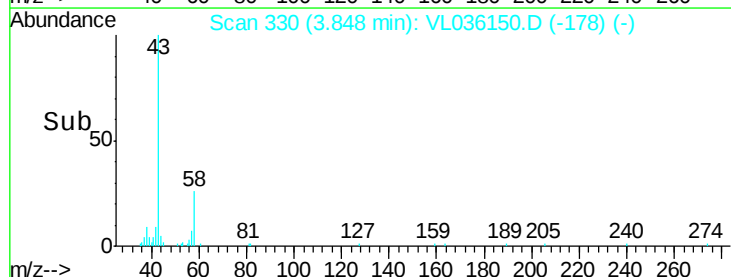


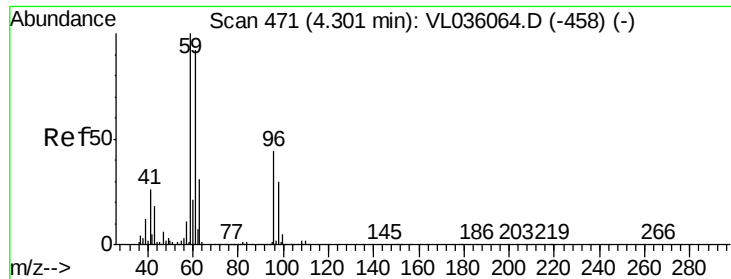
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

Time-->





#17

tert-Butyl alcohol

Concen: 0.001 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.01 min

Lab File: VL036150.D

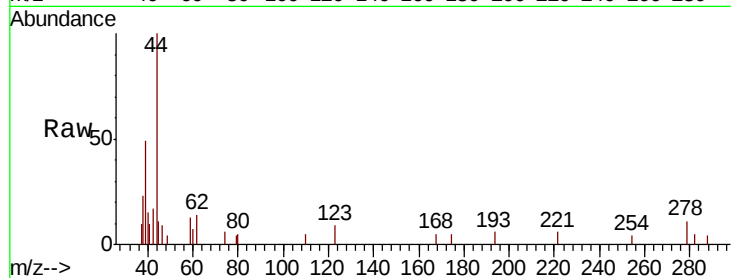
Acq: 11 Dec 2020 5:25

Tot Ion: 59 Resp: 168

Ion Ratio Lower Upper

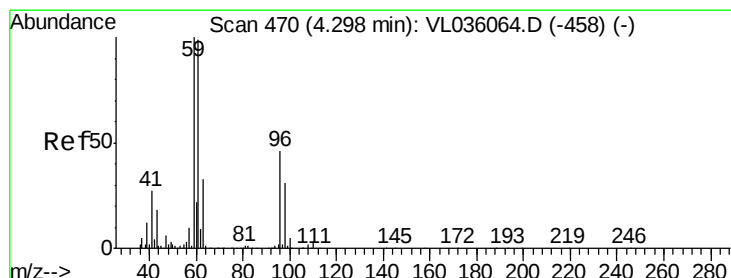
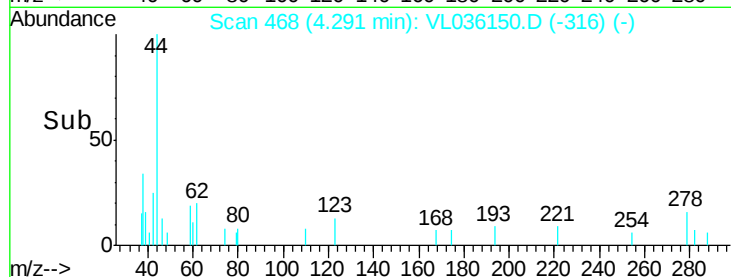
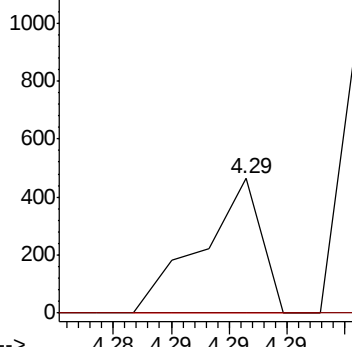
59 100

57 0.0 8.7 13.1#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.002 ppbv

RT: 4.50 min Scan# 534

Delta R.T. 0.21 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

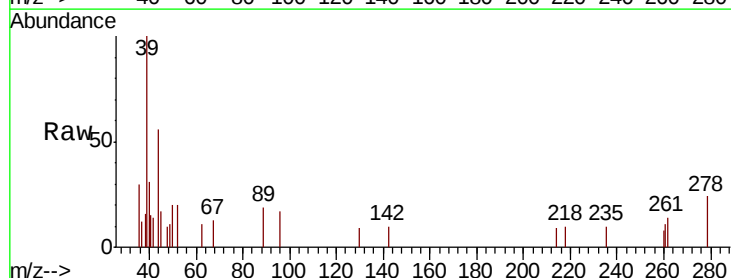
Tgt Ion: 96 Resp: 129

Ion Ratio Lower Upper

96 100

61 0.0 171.4 257.2#

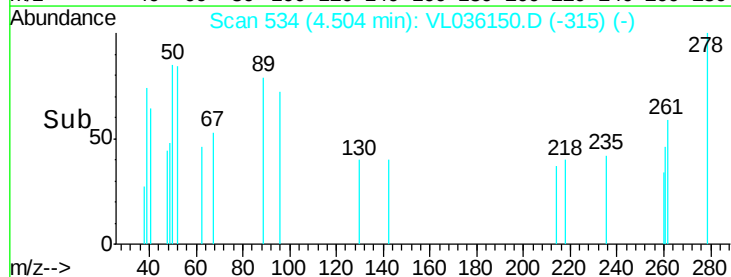
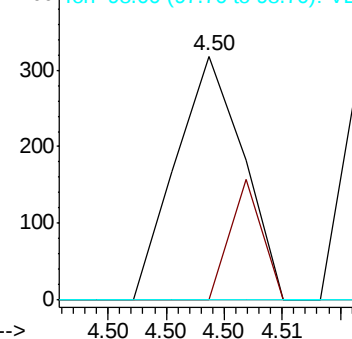
98 0.0 54.2 81.2#

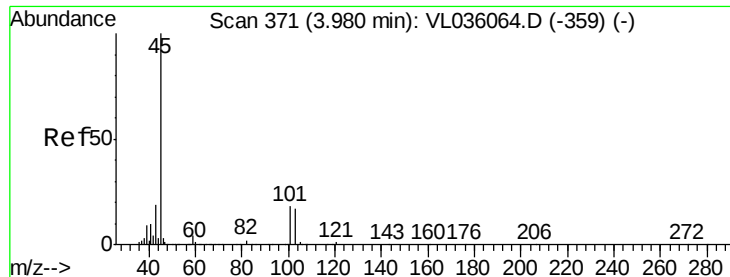


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.015 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.25 min

Lab File: VL036150.D

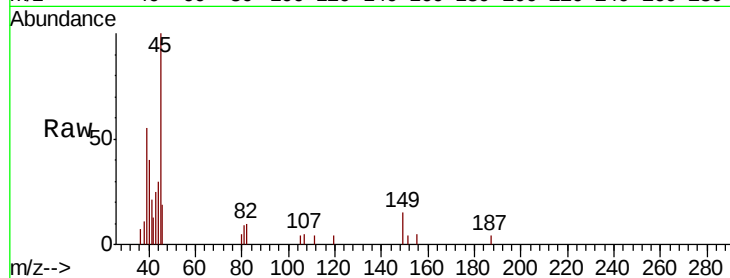
Acq: 11 Dec 2020 5:25

Tot Ion: 45 Resp: 1409

Ion Ratio Lower Upper

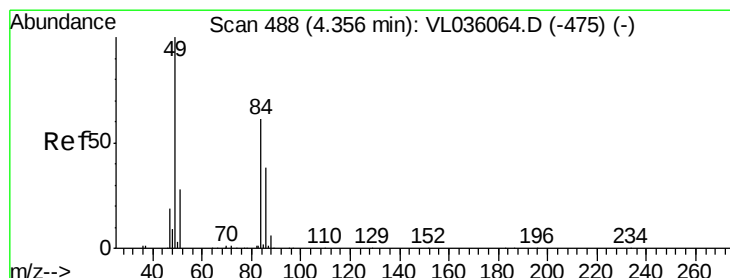
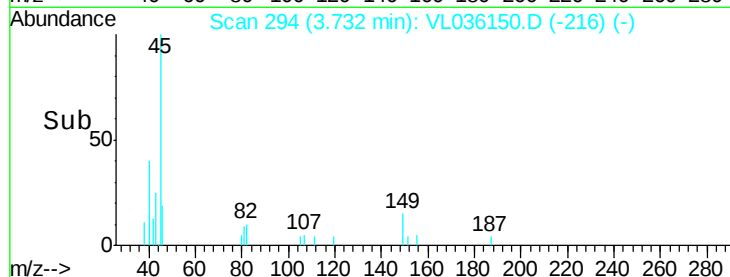
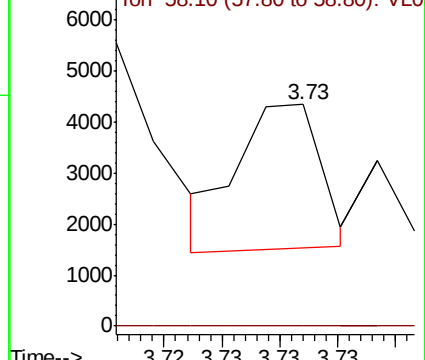
45 100

58 2016.8 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: 0.574 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.03 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tgt Ion: 84 Resp: 36919

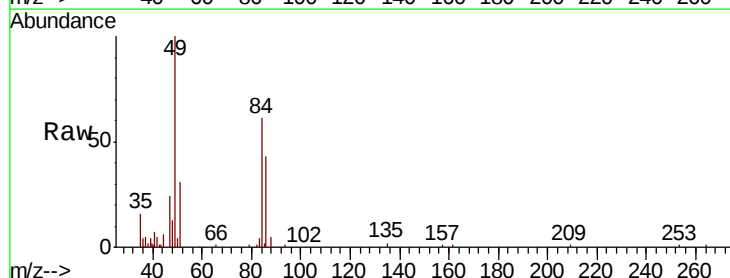
Ion Ratio Lower Upper

84 100

49 161.0 133.0 199.4

51 49.1 38.9 58.3

86 69.7 48.8 73.2

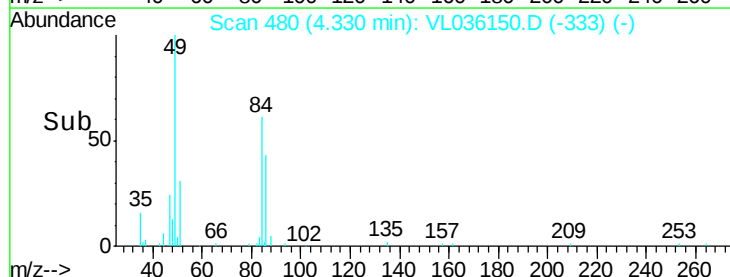
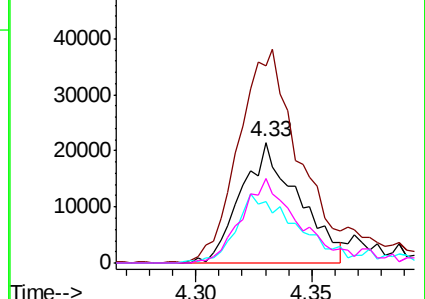


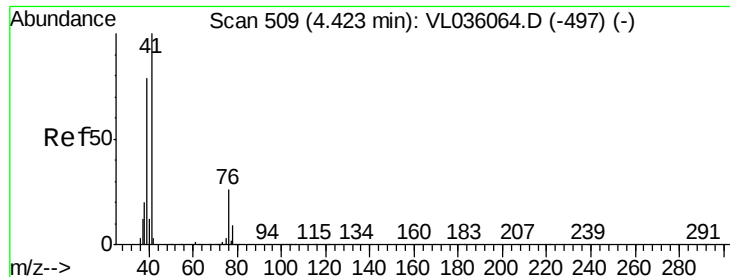
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.005 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.03 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

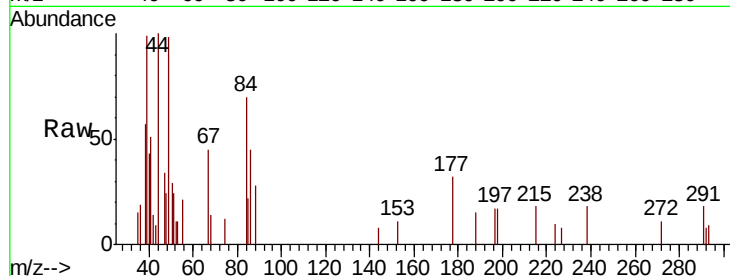
Tot Ion: 41 Resp: 547

Ion Ratio Lower Upper

41 100

76 0.0 21.0 31.4#

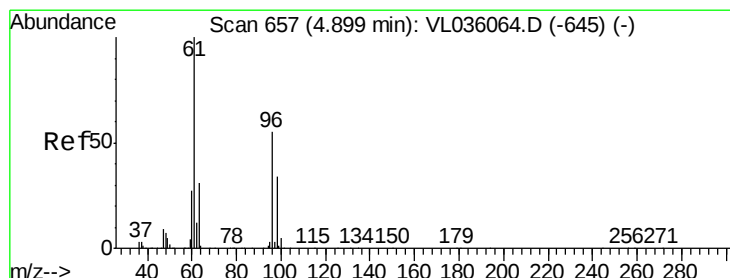
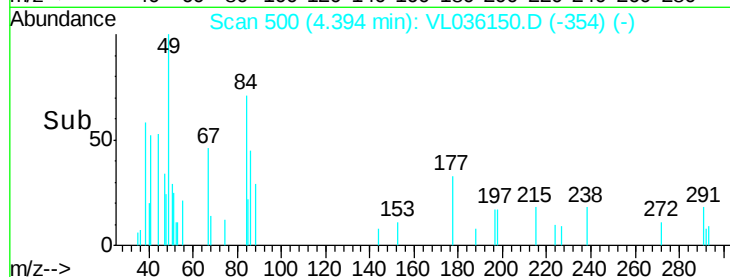
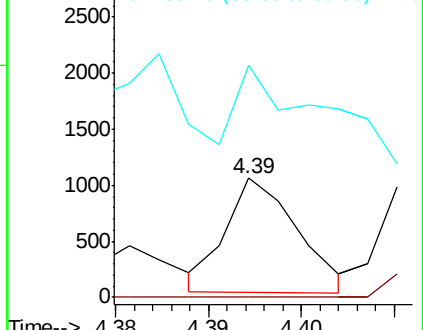
39 0.0 66.0 99.0#



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: 0.003 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.03 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

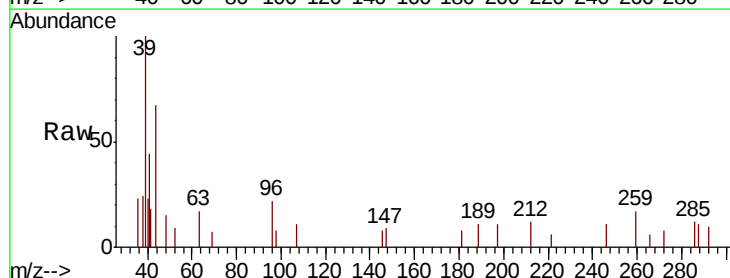
Tgt Ion: 96 Resp: 145

Ion Ratio Lower Upper

96 100

61 0.0 145.7 218.5#

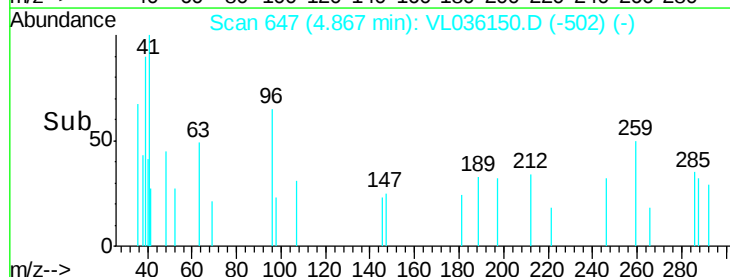
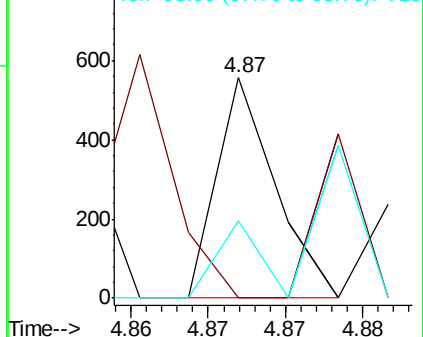
98 35.2 49.2 73.8#

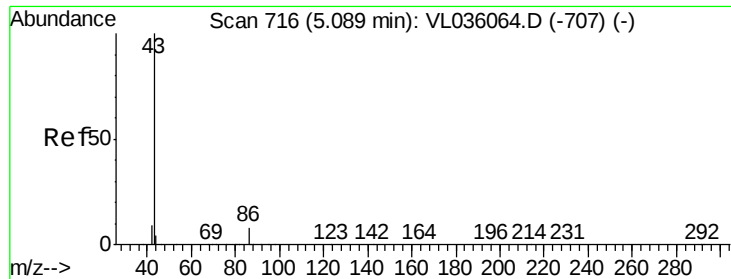


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.015 ppbv

RT: 5.05 min Scan# 704

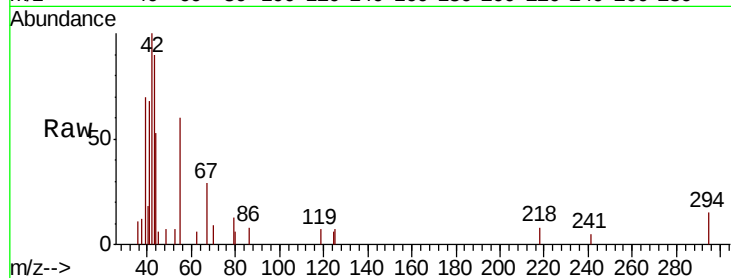
Delta R.T. -0.04 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tot Ion: 43 Resp: 3157

Ion	Ratio	Lower	Upper
43	100		
86	10.5	5.0	7.4#
42	129.2	7.8	11.6#
44	12.4	3.2	4.8#

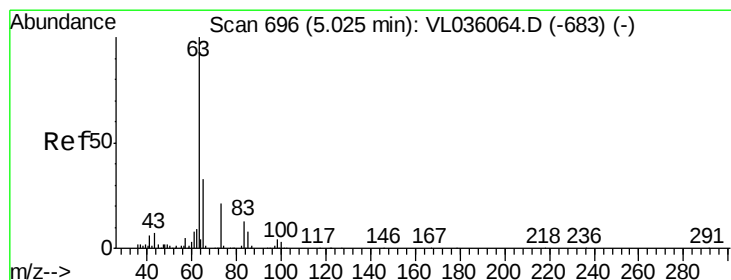
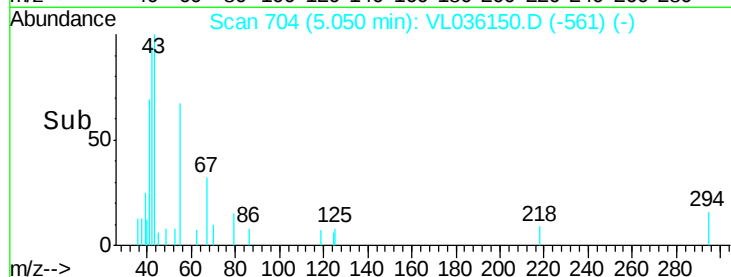
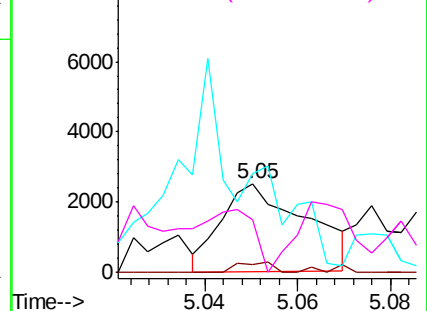


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.001 ppbv

RT: 5.00 min Scan# 687

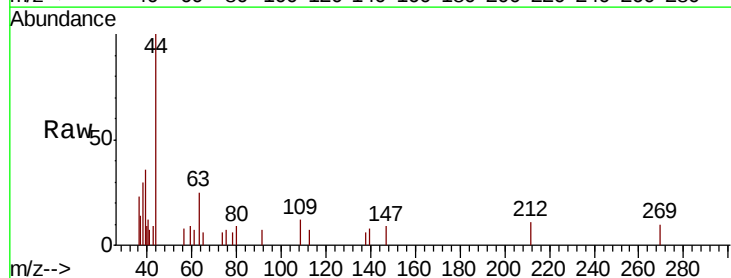
Delta R.T. -0.03 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tgt Ion: 63 Resp: 200

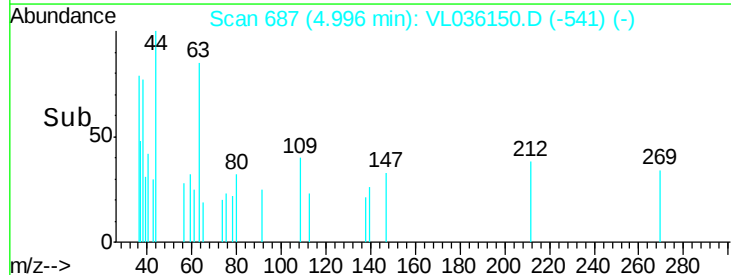
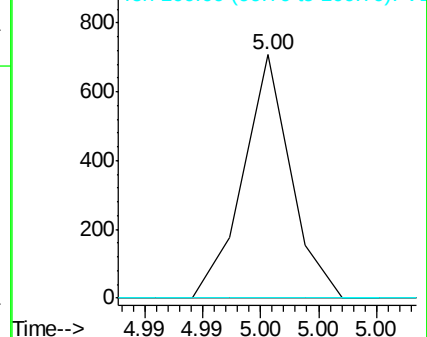
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.5	4.4#

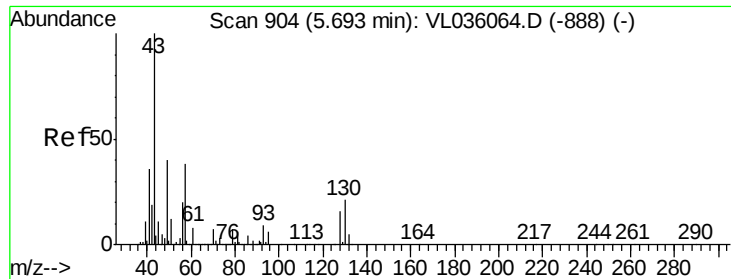


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

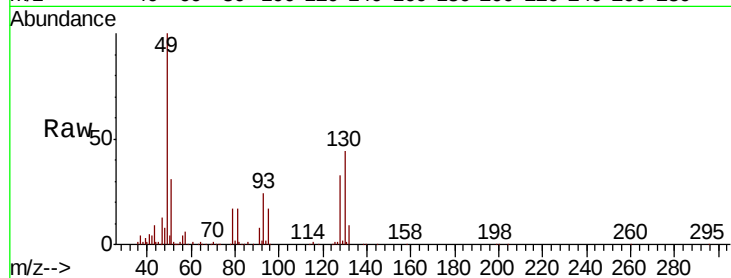
Ion 100.00 (99.70 to 100.70): VL0



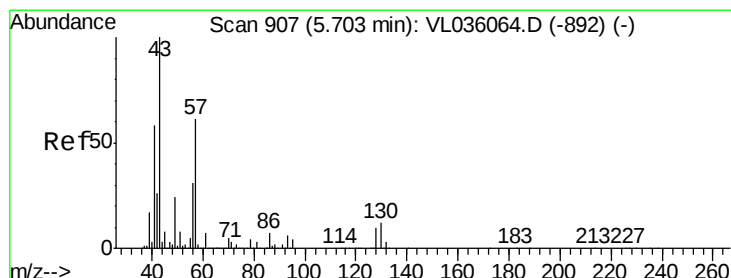
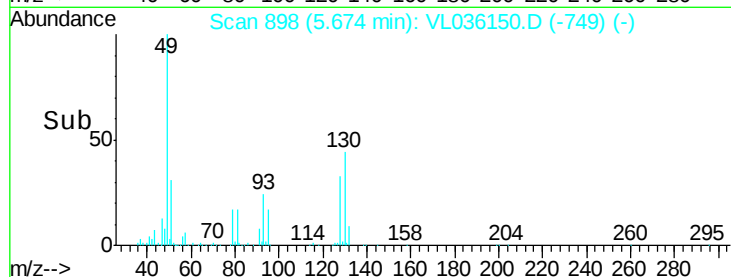
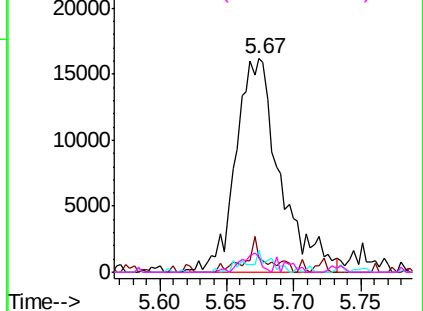


#25
Ethyl Acetate
Concen: 0.118 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tot Ion:	43	Resp:	37105
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#

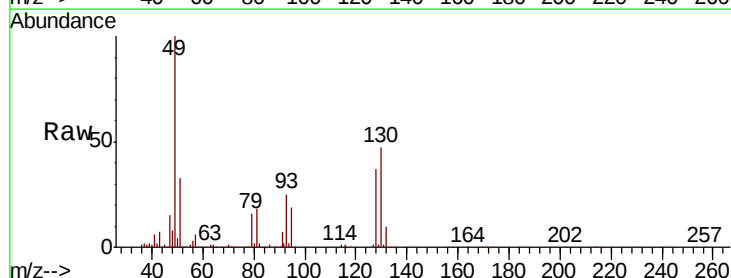


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

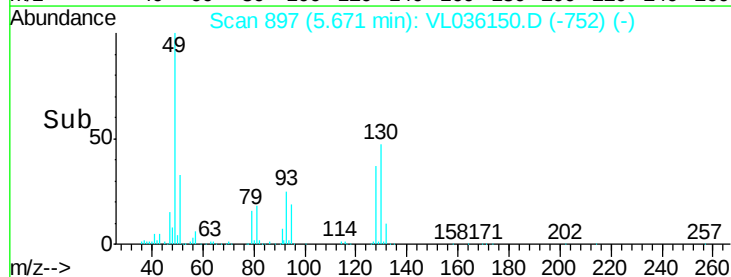
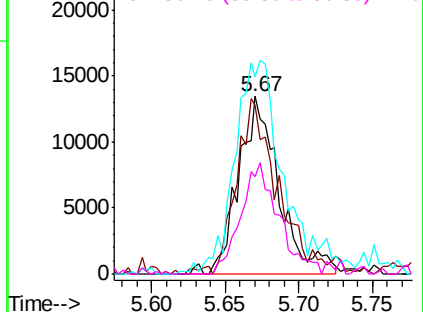


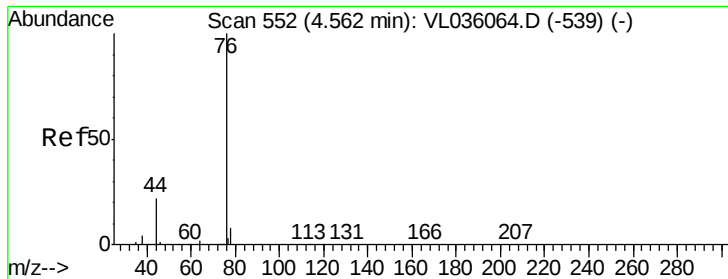
#26
Hexane
Concen: 0.181 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion:	57	Resp:	25524
Ion	Ratio	Lower	Upper
57	100		
41	107.0	82.9	124.3
43	147.5	199.9	299.9#
56	62.3	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: 0.004 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.03 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

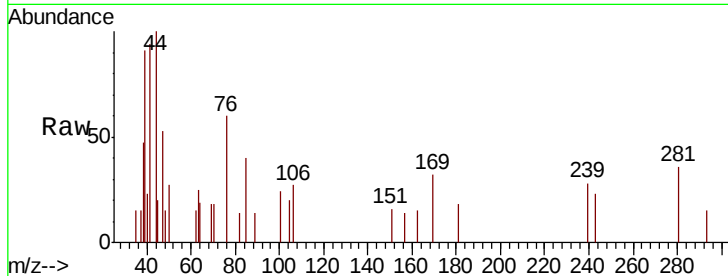
Tot Ion: 76 Resp: 497

Ion Ratio Lower Upper

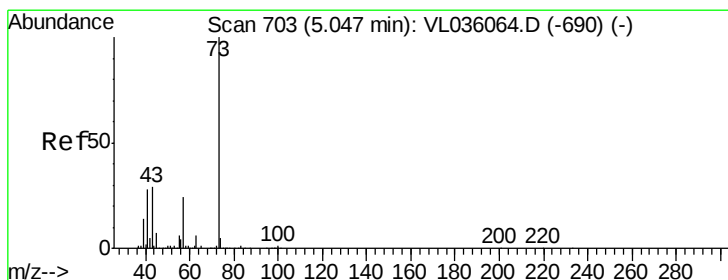
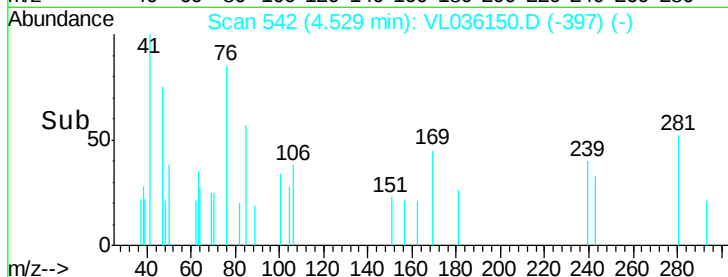
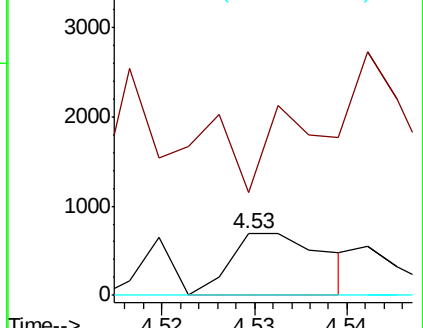
76 100

44 0.0 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: 0.001 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL036150.D

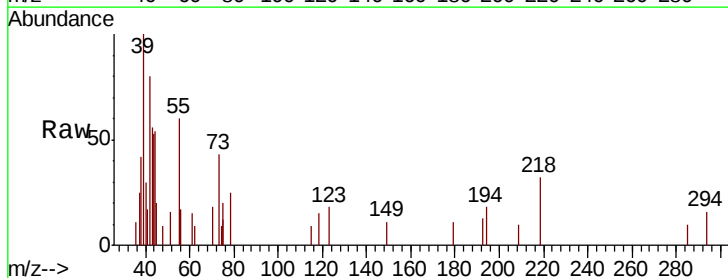
Acq: 11 Dec 2020 5:25

Tgt Ion: 73 Resp: 147

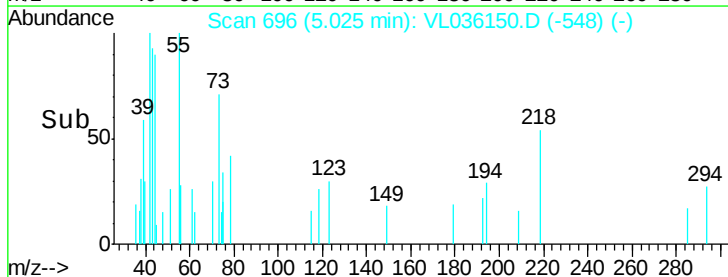
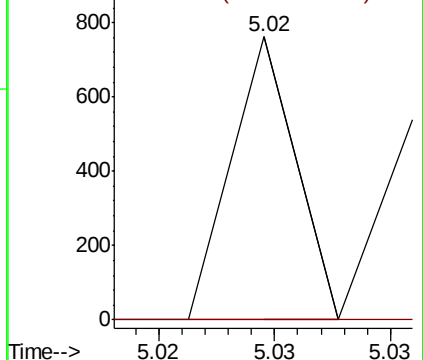
Ion Ratio Lower Upper

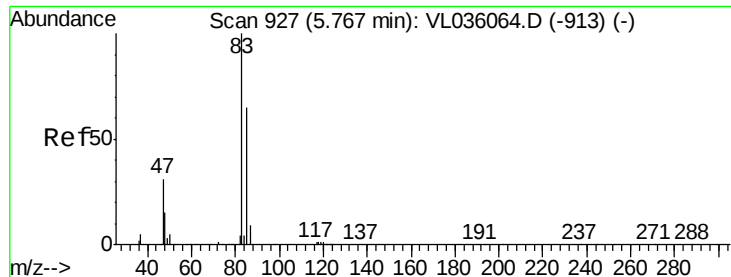
73 100

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: 0.004 ppbv

RT: 5.72 min Scan# 911

Delta R.T. -0.05 min

Lab File: VL036150.D

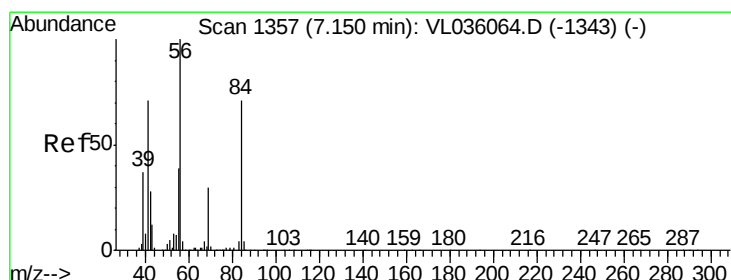
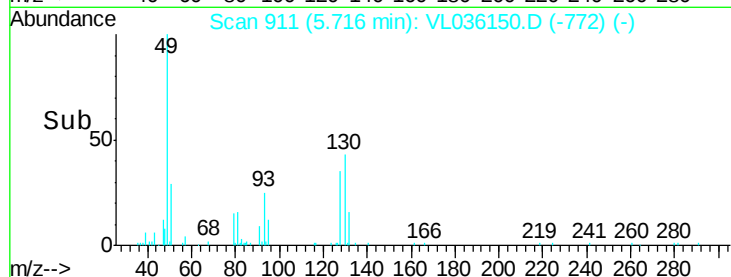
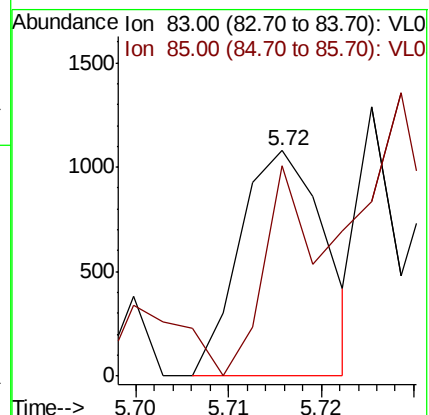
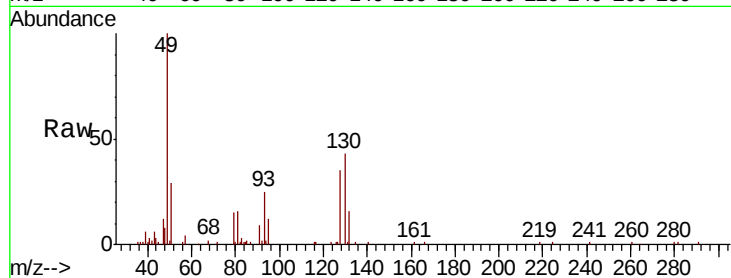
Acq: 11 Dec 2020 5:25

Tot Ion: 83 Resp: 692

Ion Ratio Lower Upper

83 100

85 71.9 51.8 77.6



#30

Cyclohexane

Concen: 0.001 ppbv

RT: 7.10 min Scan# 1343

Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

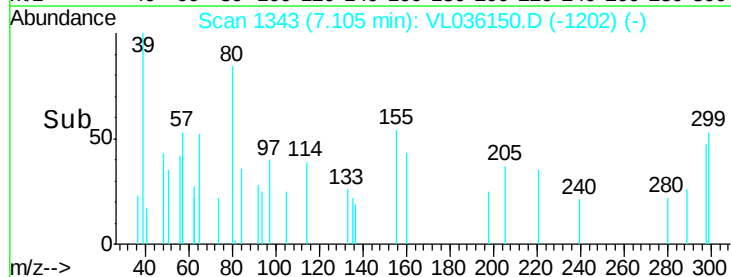
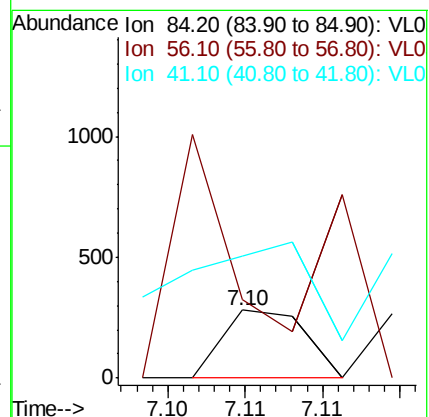
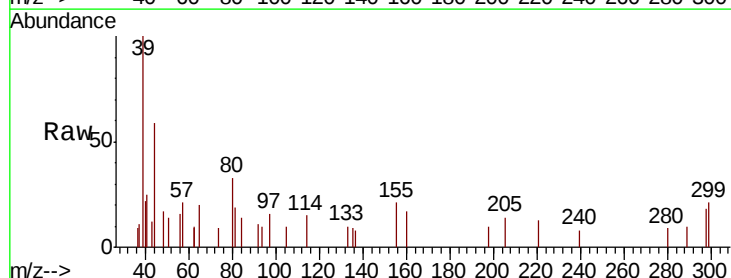
Tgt Ion: 84 Resp: 104

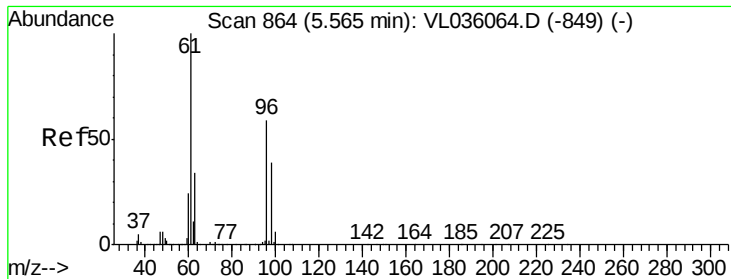
Ion Ratio Lower Upper

84 100

56 0.0 128.0 192.0#

41 0.0 81.3 121.9#

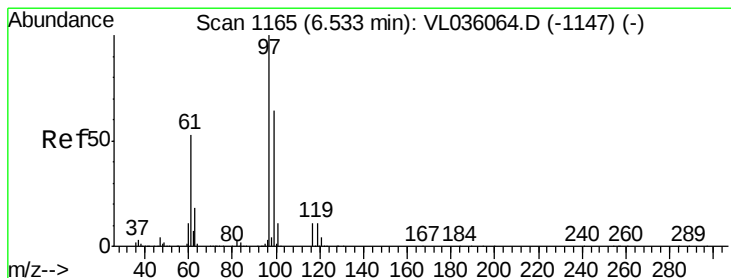
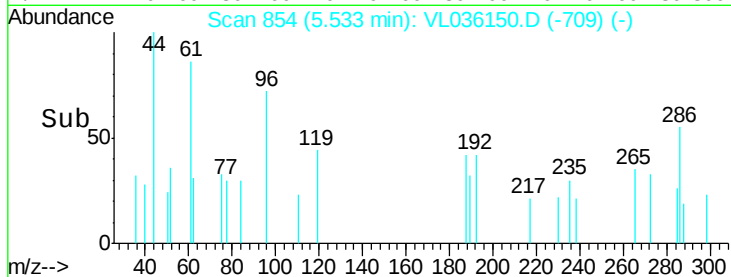
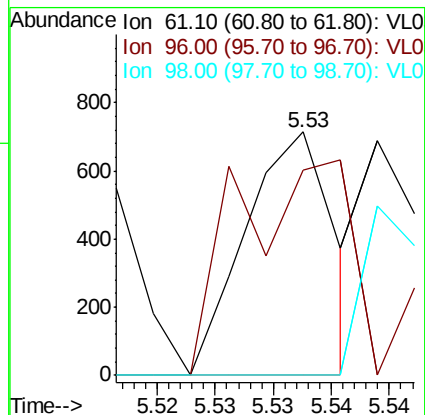
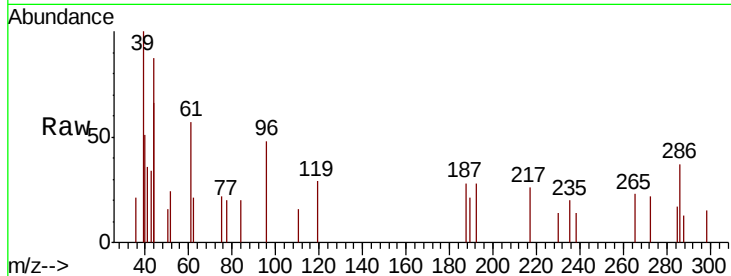




#31

cis-1,2-Dichloroethene
Concen: 0.003 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.03 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

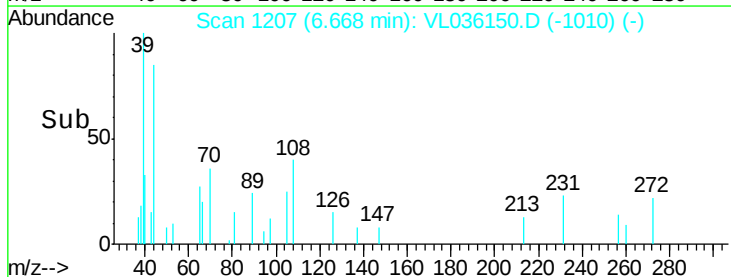
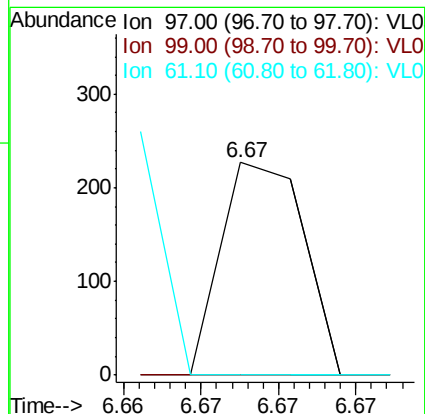
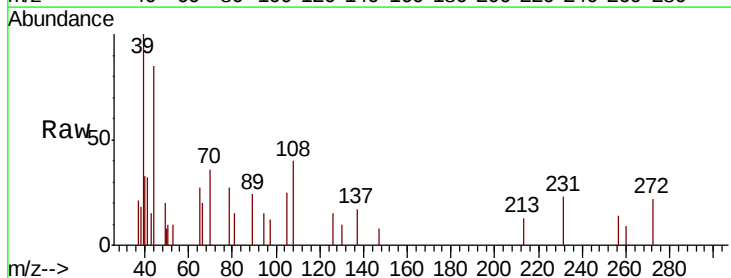
Tot Ion	Ratio	Lower	Upper
61	100		
96	84.2	47.3	70.9#
98	0.0	31.4	47.0#

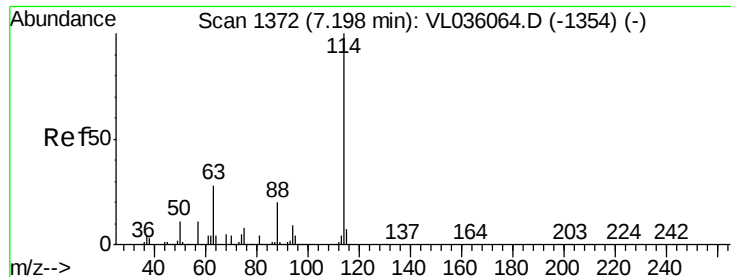


#32

1,1,1-Trichloroethane
Concen: 0.000 ppbv
RT: 6.67 min Scan# 1207
Delta R.T. 0.13 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

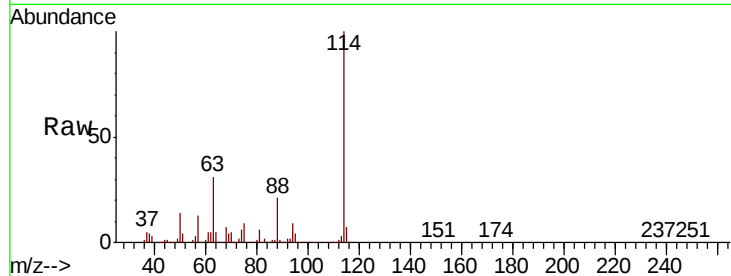
Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	52.4	78.6
61	44.0	43.4	65.0



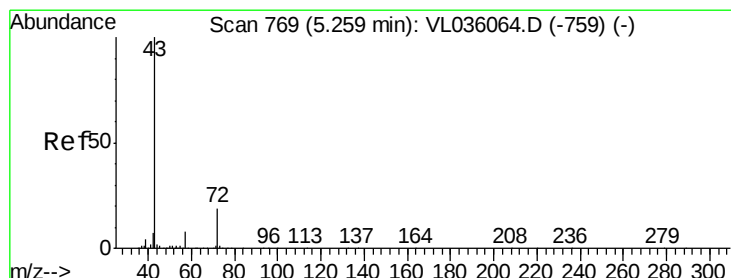
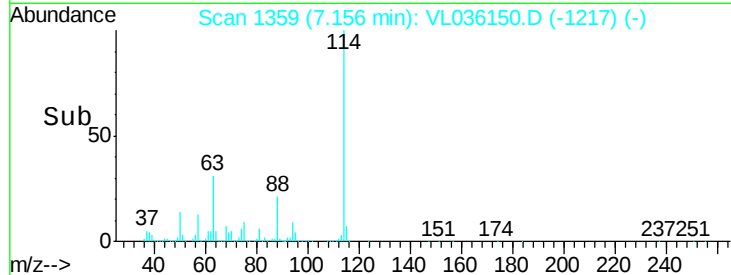
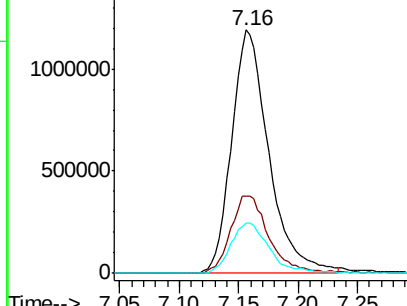


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.04 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

Tot Ion:114 Resp: 2578672
 Ion Ratio Lower Upper
 114 100
 63 33.5 23.6 35.4
 88 21.7 15.8 23.6

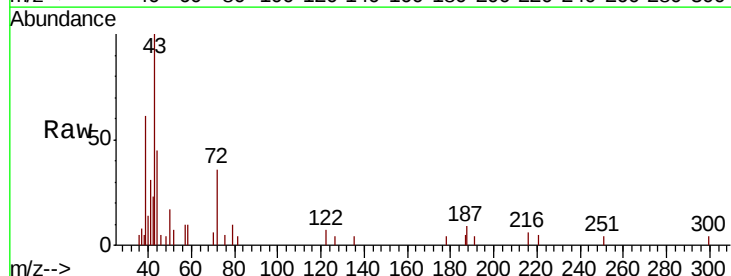


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

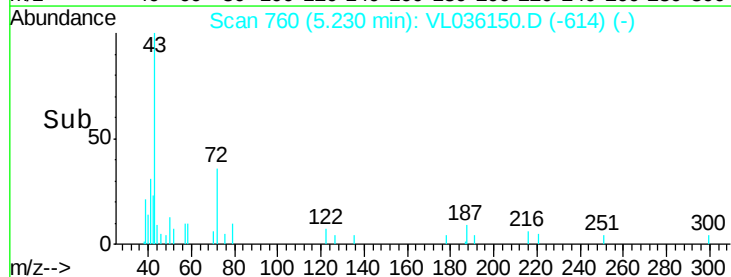
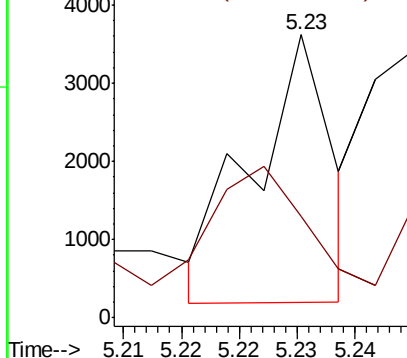


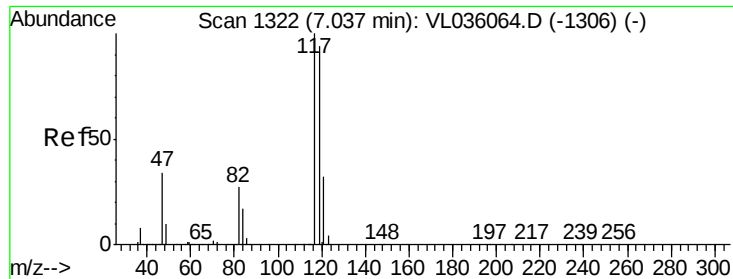
#34
 2-Butanone
 Concen: 0.010 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.03 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

Tgt Ion: 43 Resp: 1631
 Ion Ratio Lower Upper
 43 100
 72 172.5 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: 0.002 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.04 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

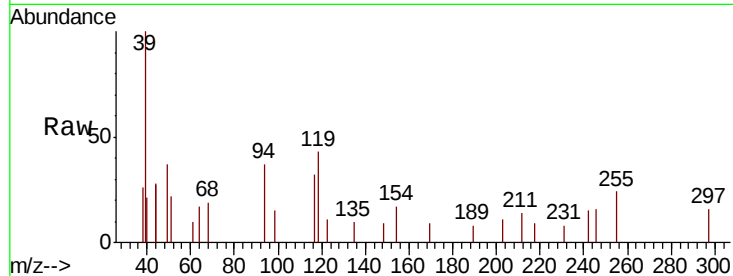
Tot Ion: 117 Resp: 290

Ion Ratio Lower Upper

117 100

119 134.8 75.1 112.7#

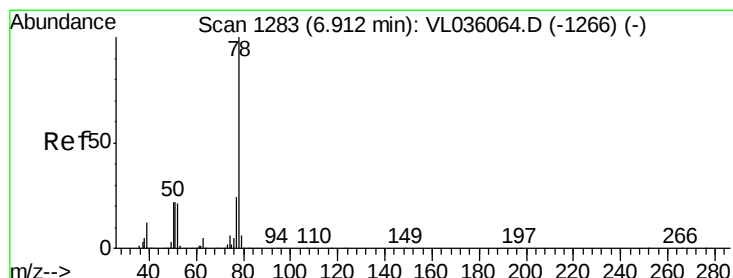
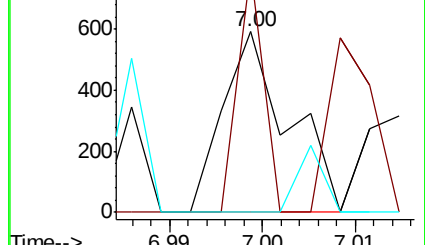
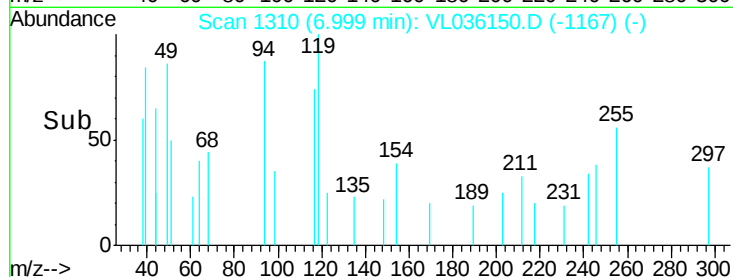
121 0.0 25.6 38.4#



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: 0.004 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.04 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

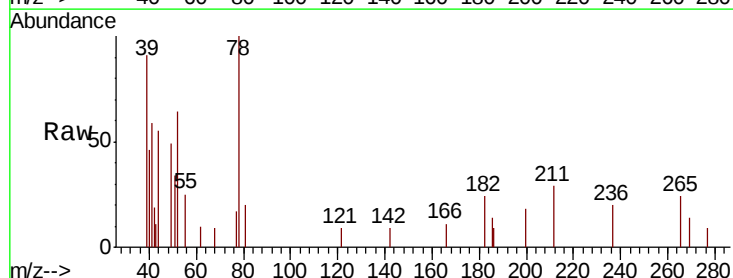
Tgt Ion: 78 Resp: 836

Ion Ratio Lower Upper

78 100

77 0.0 19.4 29.2#

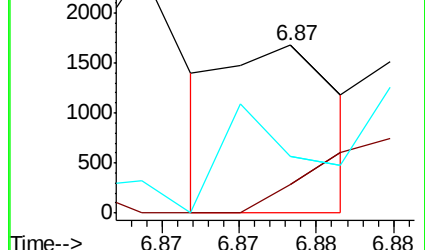
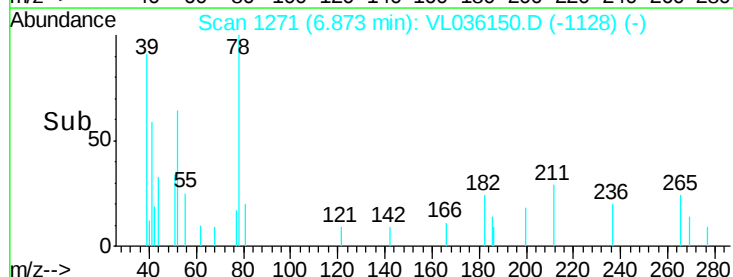
50 115.5 17.8 26.8#

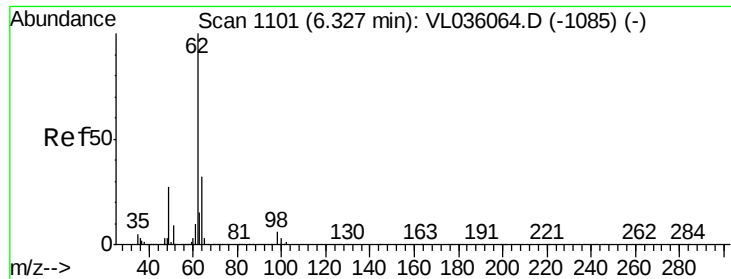


Abundance Ion 78.10 (77.80 to 78.80): VL0

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: 6.29 min Scan# 1089

Delta R.T. -0.04 min

Lab File: VL036150.D

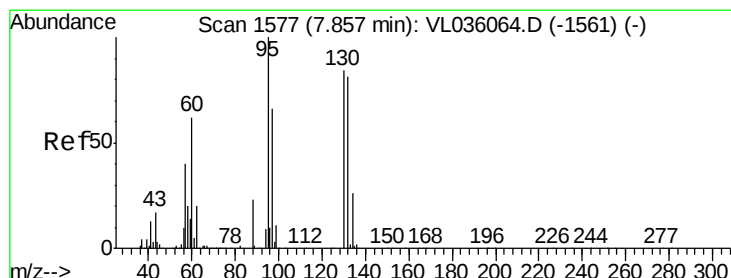
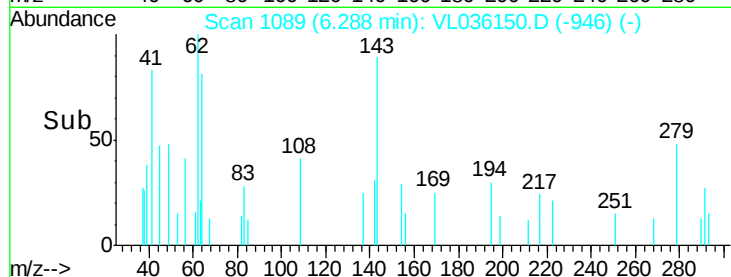
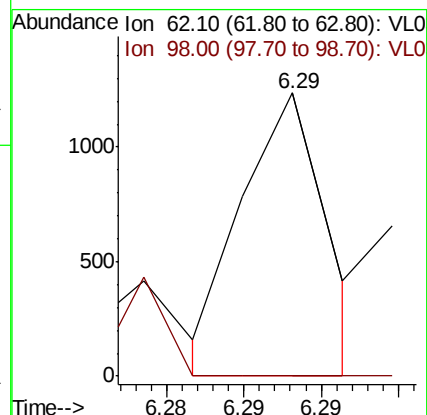
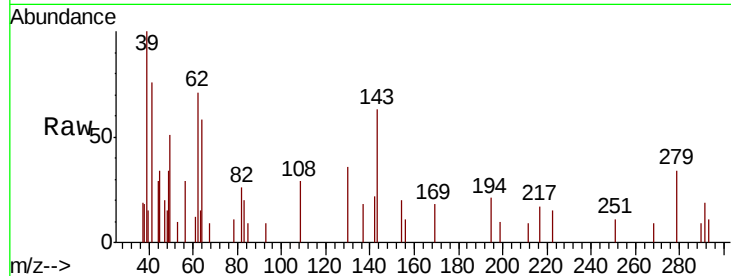
Acq: 11 Dec 2020 5:25

Tot Ion: 62 Resp: 471

Ion Ratio Lower Upper

62 100

98 0.0 4.6 7.0#



#38

Trichloroethene

Concen: 0.002 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tgt Ion: 130 Resp: 185

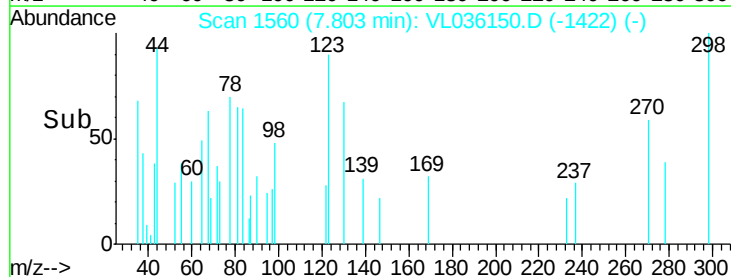
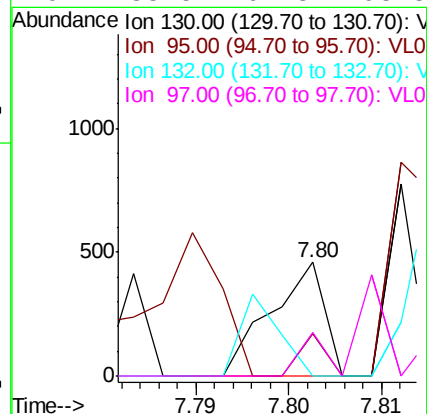
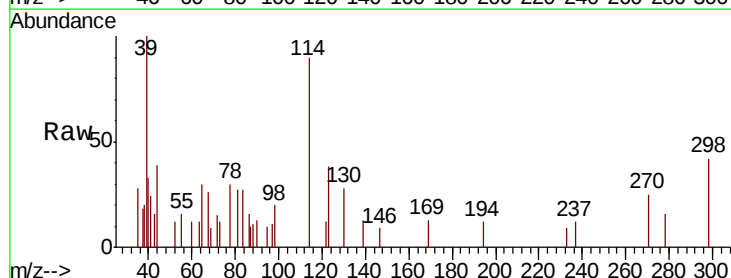
Ion Ratio Lower Upper

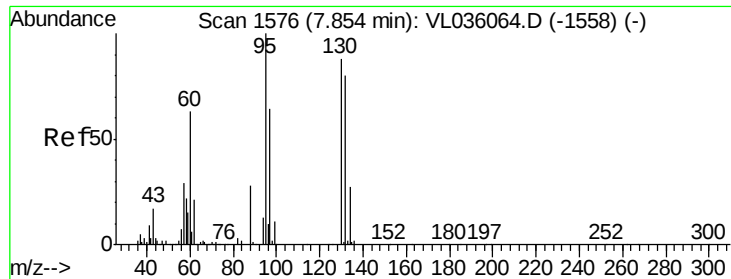
130 100

95 36.7 95.2 142.8#

132 0.0 76.9 115.3#

97 38.5 62.3 93.5#





#40

1,4-Dioxane

Concen: 0.008 ppbv

RT: 7.81 min Scan# 1561

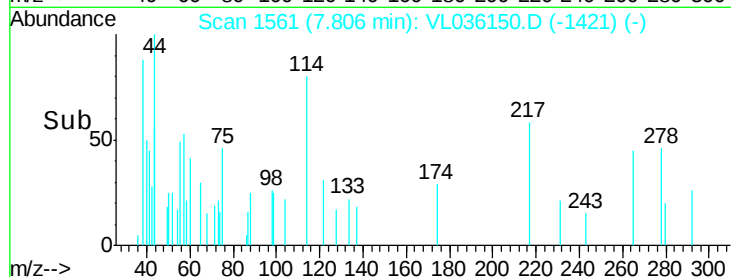
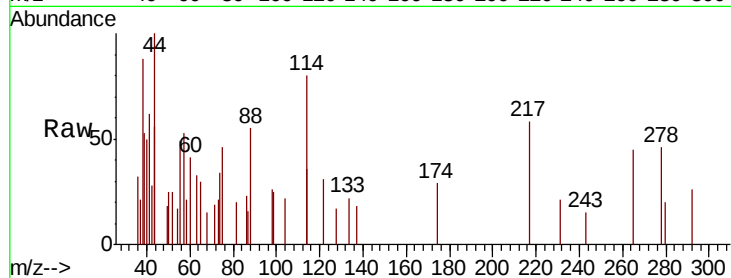
Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tot Ion: 88 Resp: 215

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

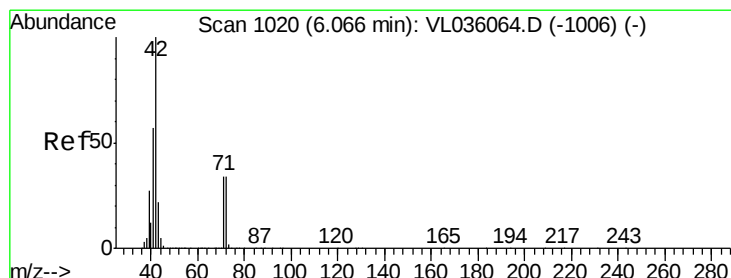
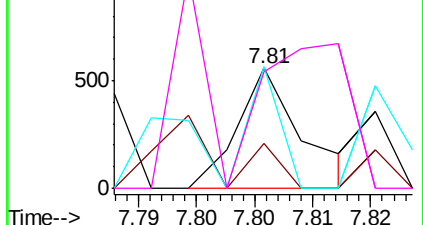


Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.001 ppbv

RT: 6.01 min Scan# 1004

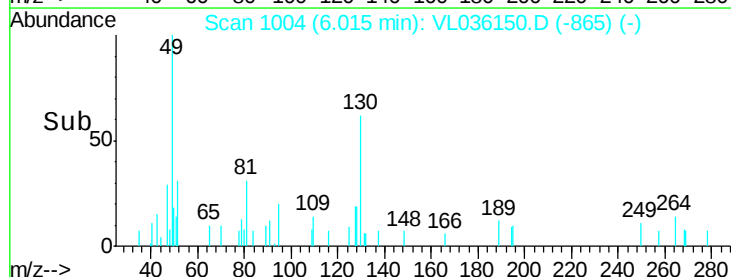
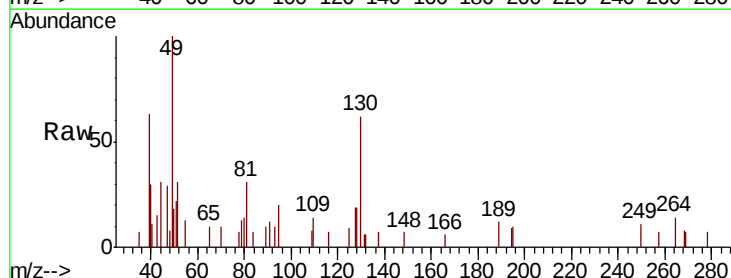
Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tgt Ion: 42 Resp: 122

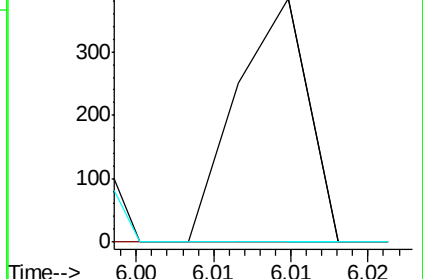
Ion	Ratio	Lower	Upper
42	100		
72	68.0	28.3	42.5#
71	0.0	27.3	40.9#

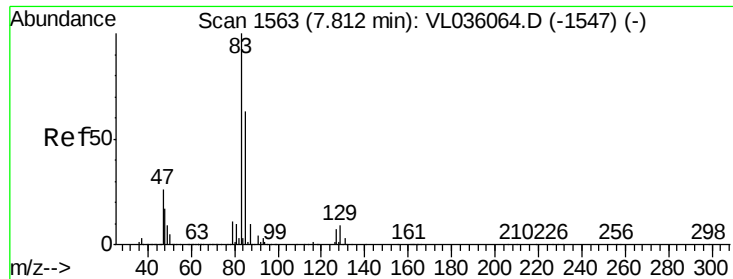


Abundance Ion 42.10 (41.80 to 42.80): VL0

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: 7.77 min Scan# 1550

Delta R.T. -0.04 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

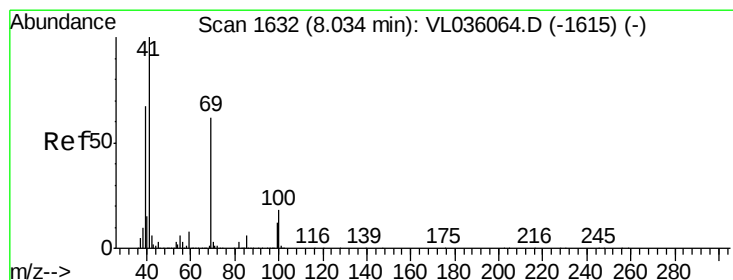
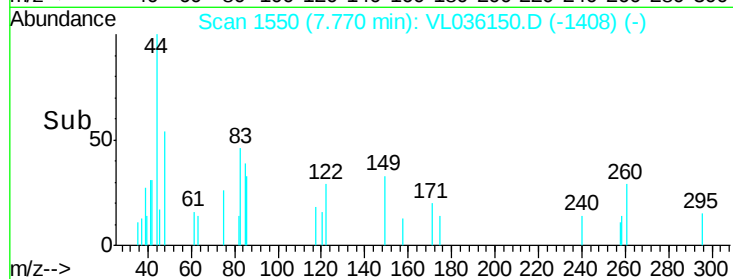
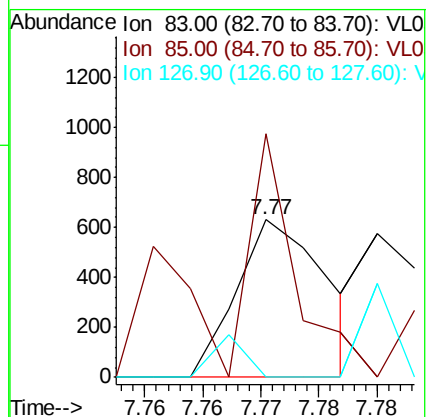
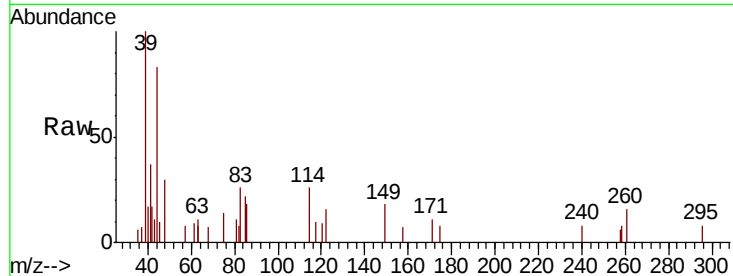
Tot Ion: 83 Resp: 339

Ion Ratio Lower Upper

83 100

85 126.2 50.2 75.2#

127 0.0 5.5 8.3#



#43

Methyl Methacrylate

Concen: 0.003 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. -0.03 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

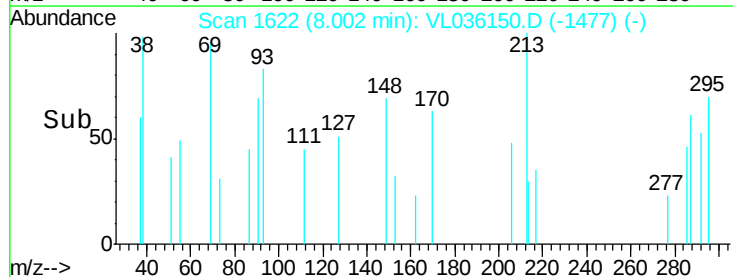
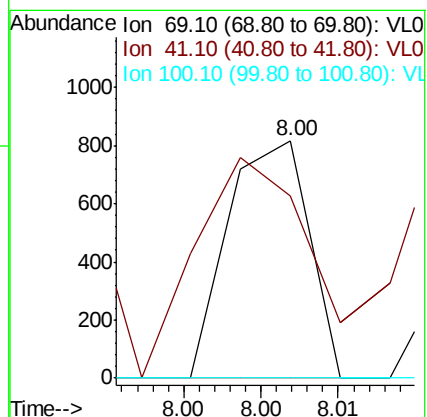
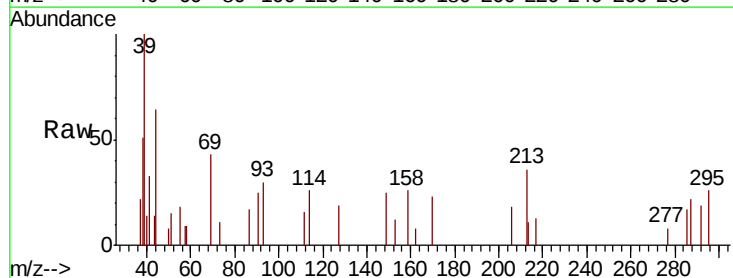
Tgt Ion: 69 Resp: 297

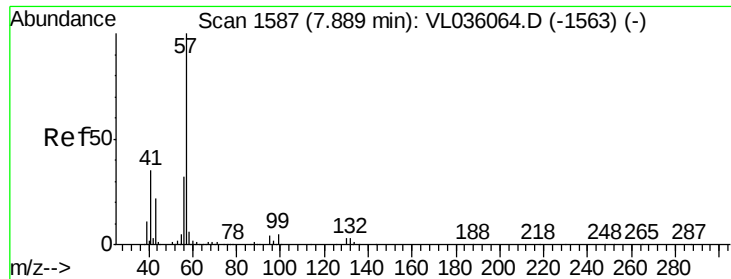
Ion Ratio Lower Upper

69 100

41 0.0 133.0 199.6#

100 0.0 25.4 38.0#





#44

2,2,4-Trimethylpentane

Concen: 0.002 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.04 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

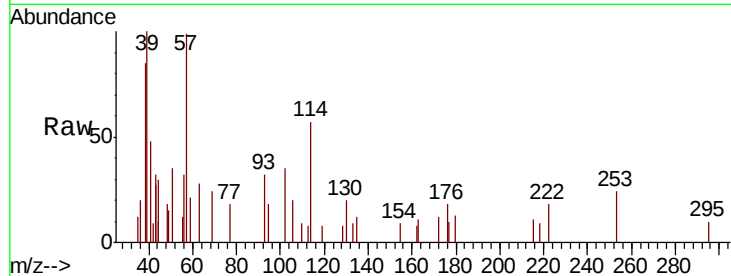
Tot Ion: 57 Resp: 753

Ion Ratio Lower Upper

57 100

41 0.0 28.9 43.3#

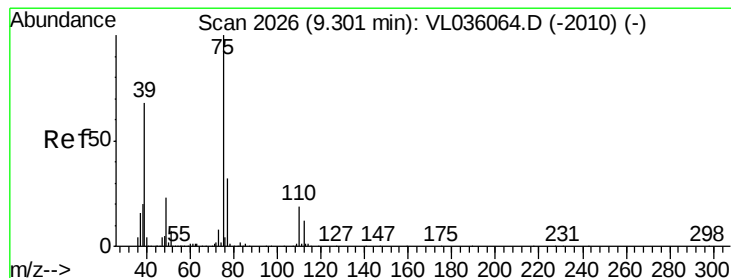
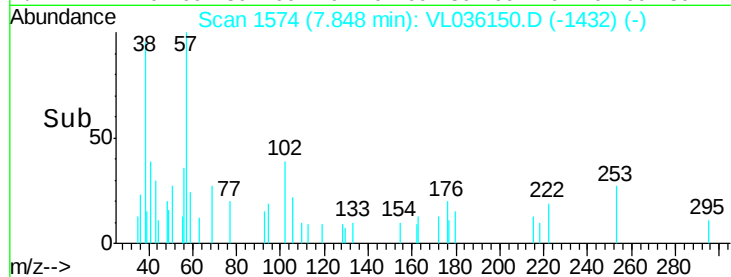
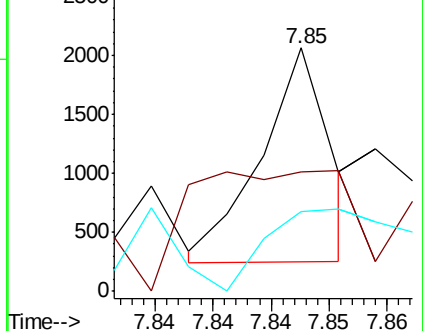
56 0.0 25.3 37.9#



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: 9.19 min Scan# 1993

Delta R.T. -0.11 min

Lab File: VL036150.D

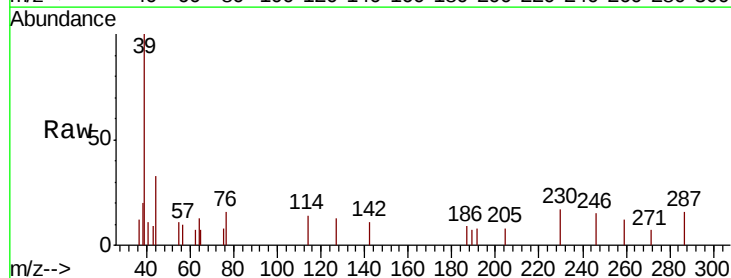
Acq: 11 Dec 2020 5:25

Tgt Ion: 75 Resp: 73

Ion Ratio Lower Upper

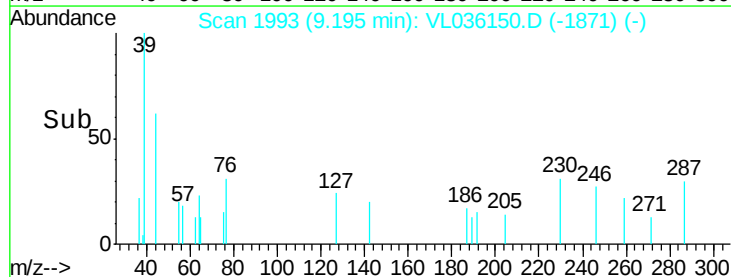
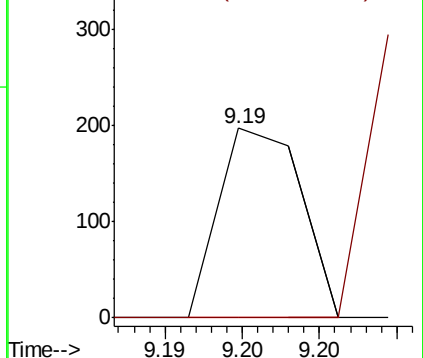
75 100

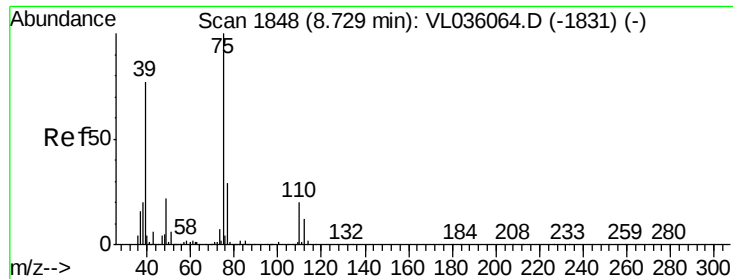
77 0.0 26.0 39.0#



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. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

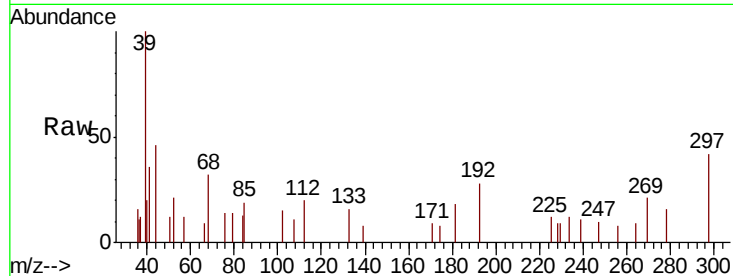
Tot Ion: 75 Resp: 92

Ion Ratio Lower Upper

75 100

39 511.9 61.6 92.4#

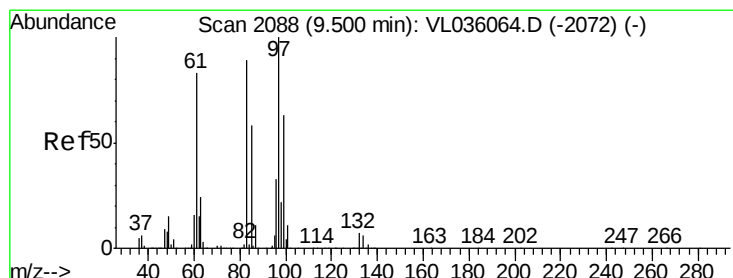
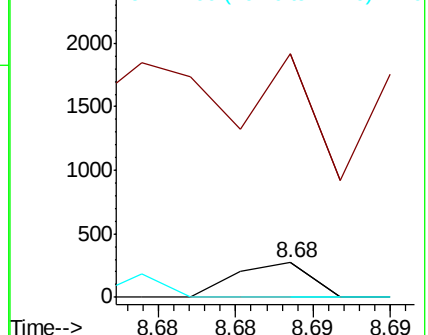
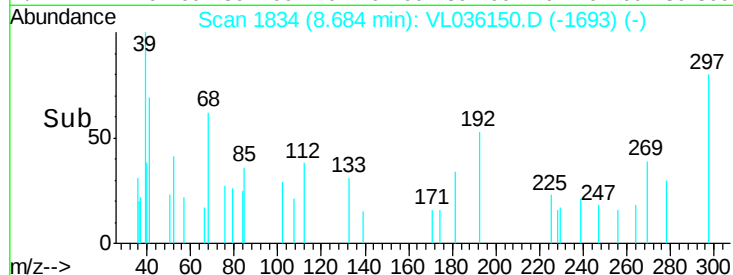
77 0.0 23.0 34.6#



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: 0.003 ppbv

RT: 9.45 min Scan# 2073

Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tgt Ion: 97 Resp: 260

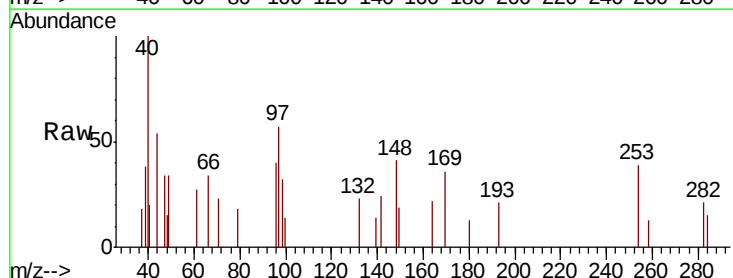
Ion Ratio Lower Upper

97 100

83 0.0 71.4 107.2#

85 0.0 46.6 70.0#

99 0.0 50.7 76.1#

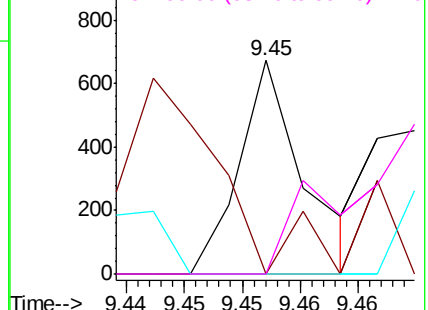
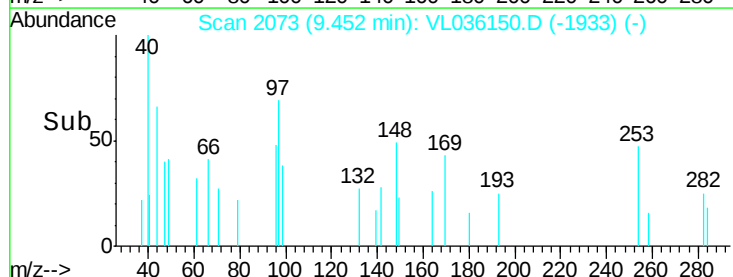


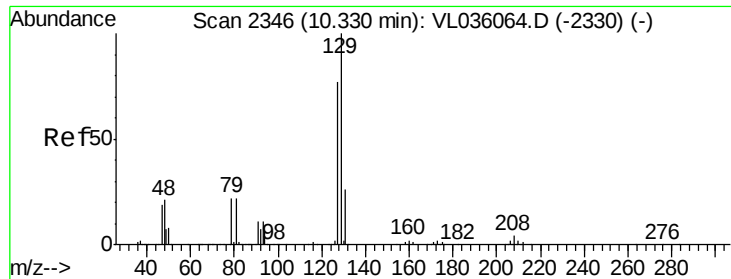
Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.002 ppbv

RT: 10.00 min Scan# 2243

Delta R.T. -0.33 min

Lab File: VL036150.D

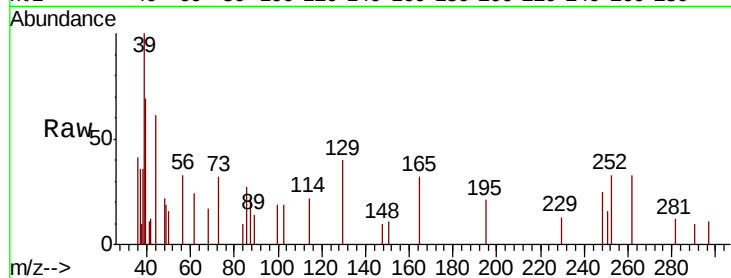
Acq: 11 Dec 2020 5:25

Tot Ion:129 Resp: 240

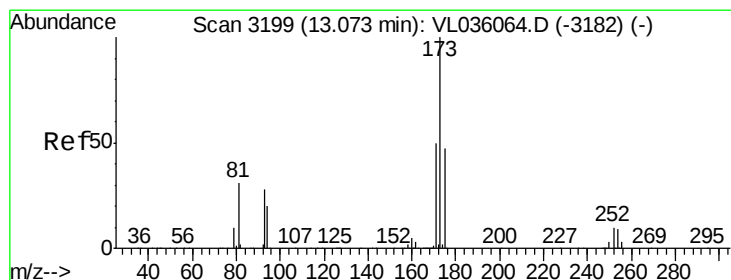
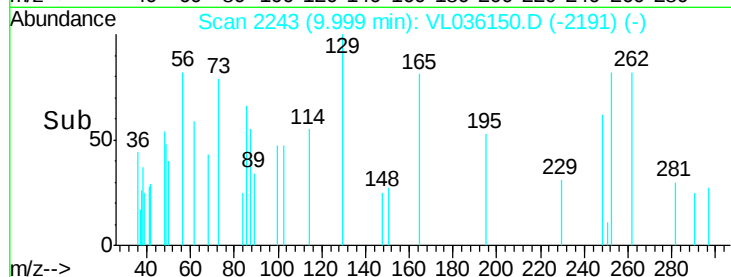
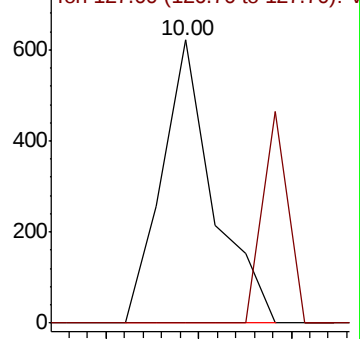
Ion Ratio Lower Upper

129 100

127 95.0 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V



#49

Bromoform

Concen: 0.001 ppbv

RT: 13.17 min Scan# 3230

Delta R.T. 0.10 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

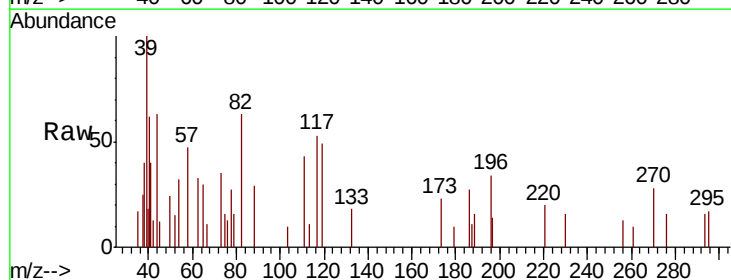
Tgt Ion:173 Resp: 112

Ion Ratio Lower Upper

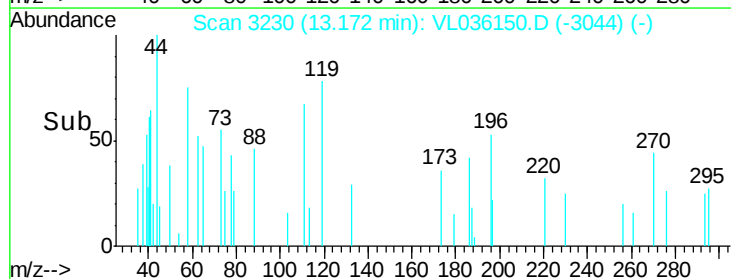
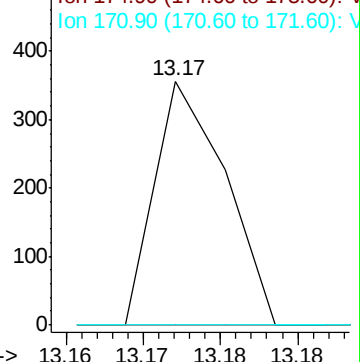
173 100

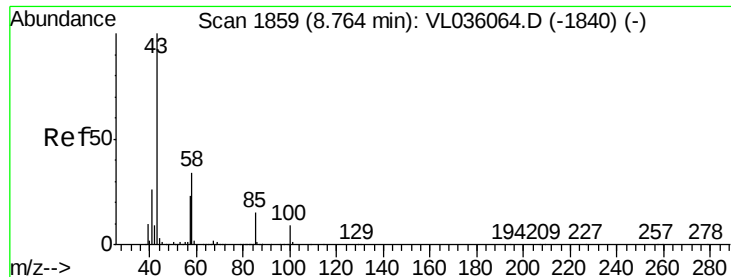
175 150.0 39.8 59.6#

171 88.4 42.5 63.7#



Abundance Ion 172.90 (172.60 to 173.60): V





#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.05 min

Lab File: VL036150.D

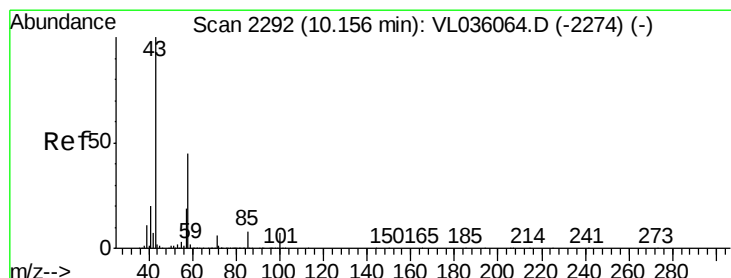
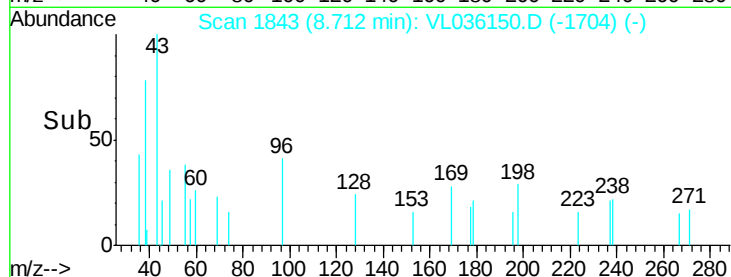
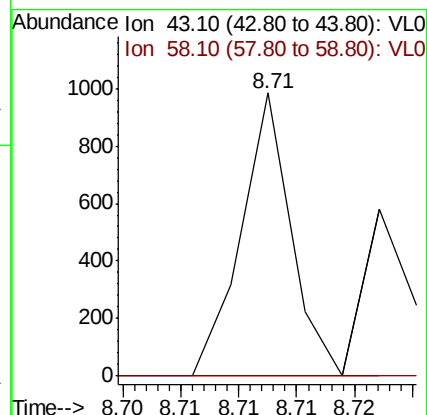
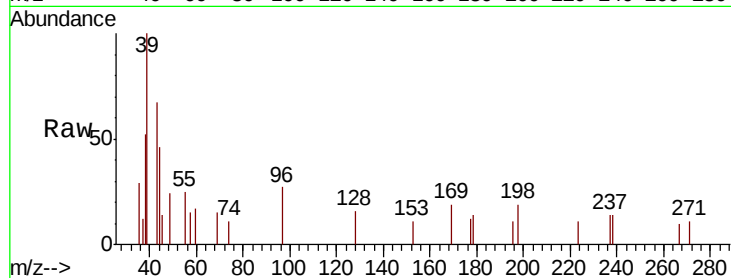
Acq: 11 Dec 2020 5:25

Tot Ion: 43 Resp: 294

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.2#



#51

2-Hexanone

Concen: 0.001 ppbv

RT: 10.10 min Scan# 2274

Delta R.T. -0.06 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

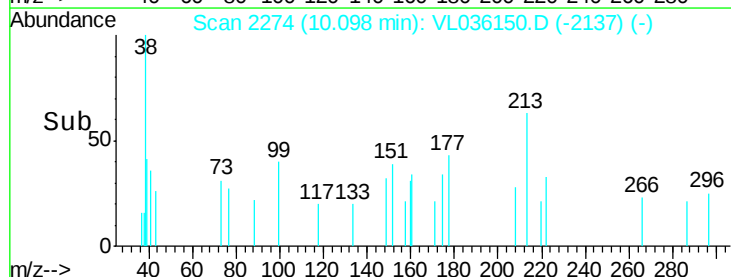
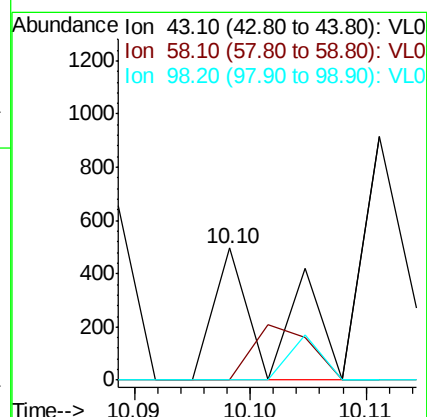
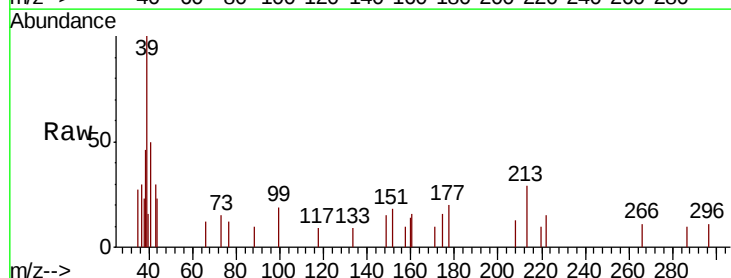
Tgt Ion: 43 Resp: 176

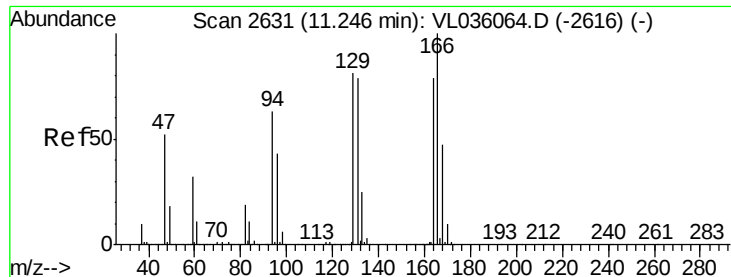
Ion Ratio Lower Upper

43 100

58 0.0 38.7 58.1#

98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.001 ppbv

RT: 11.19 min Scan# 2614

Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tot Ion:164 Resp: 82

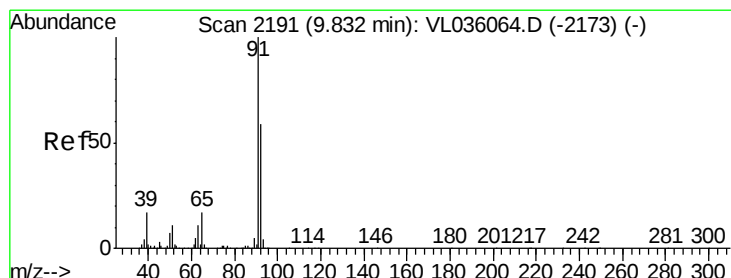
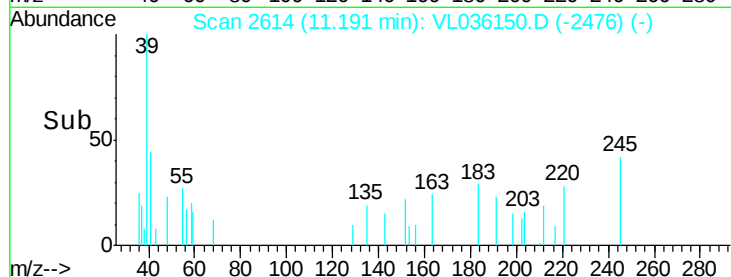
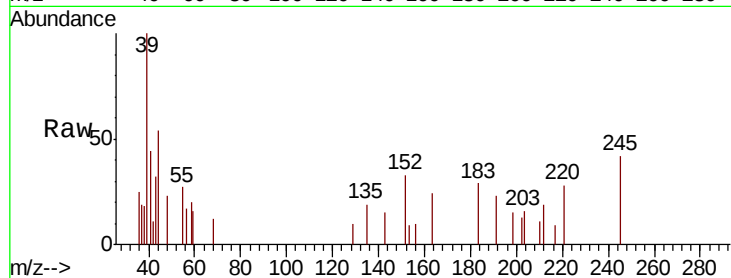
Ion Ratio Lower Upper

164 100

166 0.0 101.9 152.9#

129 0.9 82.1 123.1#

131 0.0 80.8 121.2#



#53

Toluene

Concen: 0.015 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.05 min

Lab File: VL036150.D

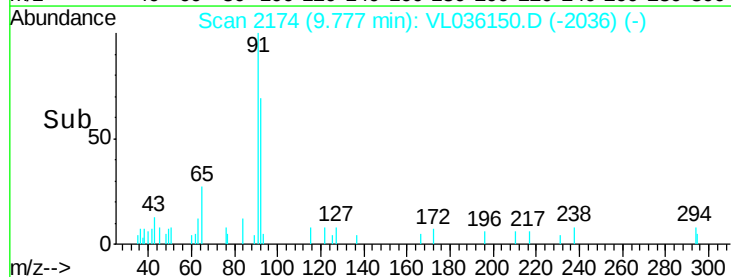
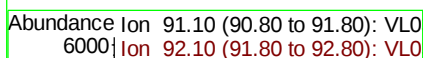
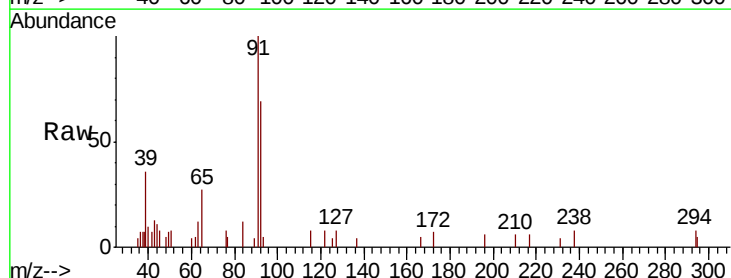
Acq: 11 Dec 2020 5:25

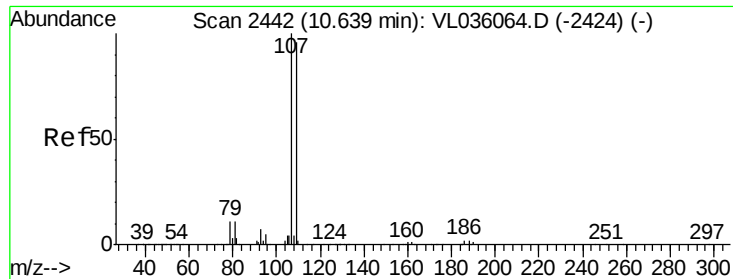
Tgt Ion: 91 Resp: 3667

Ion Ratio Lower Upper

91 100

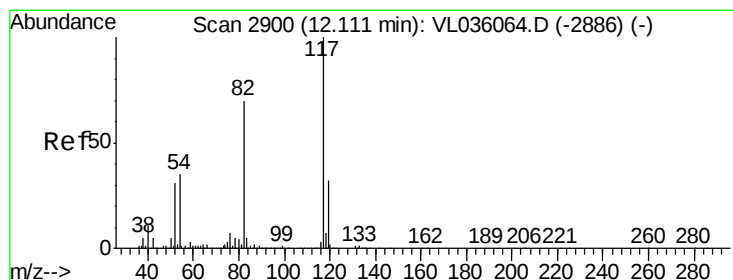
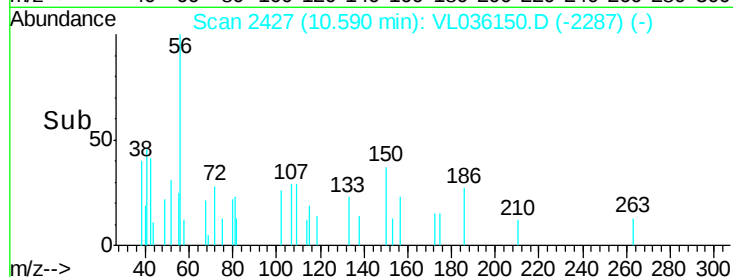
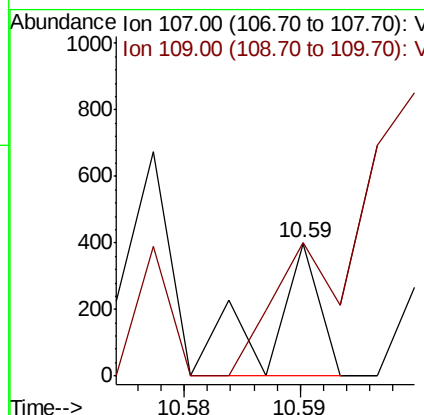
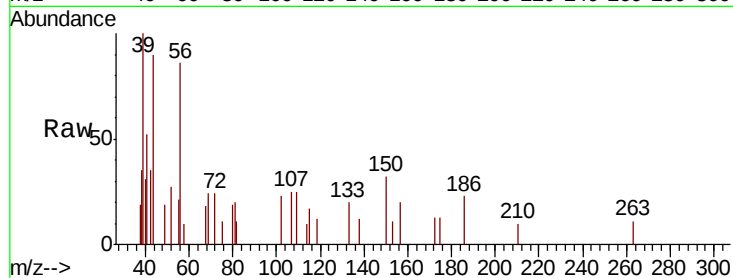
92 0.0 48.2 72.2#





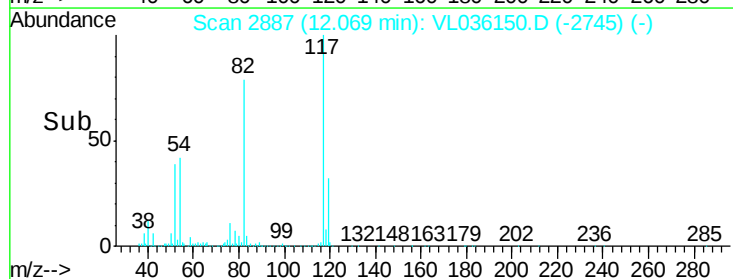
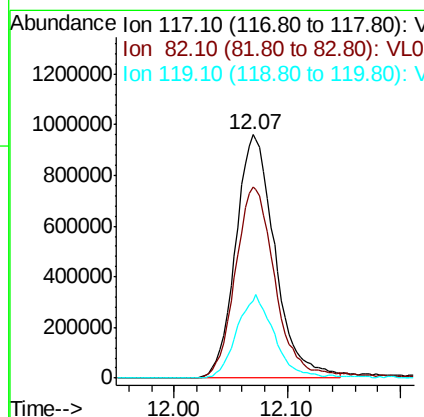
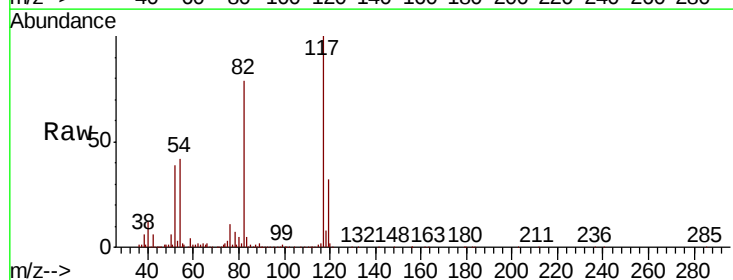
#54
 1,2-Dibromoethane
 Concen: 0.001 ppbv
 RT: 10.59 min Scan# 2427
 Delta R.T. -0.05 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

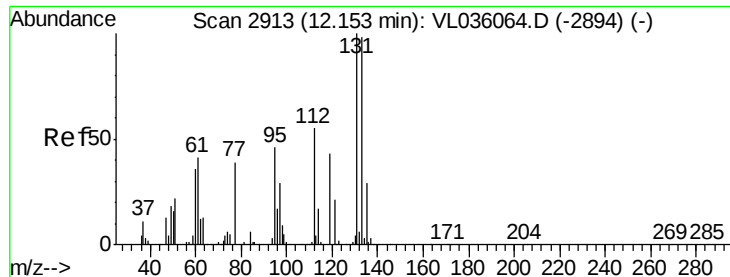
Tot Ion:107 Resp: 121
 Ion Ratio Lower Upper
 107 100
 109 101.0 76.6 115.0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T. -0.04 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

Tgt Ion:117 Resp: 2313111
 Ion Ratio Lower Upper
 117 100
 82 82.2 0.0 0.0#
 119 33.2 0.0 0.0#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.002 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.03 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

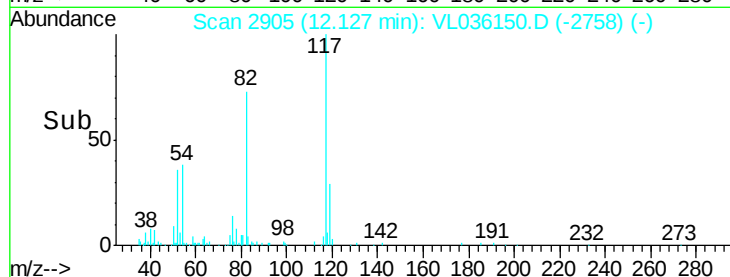
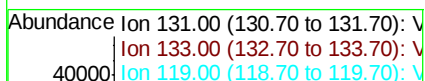
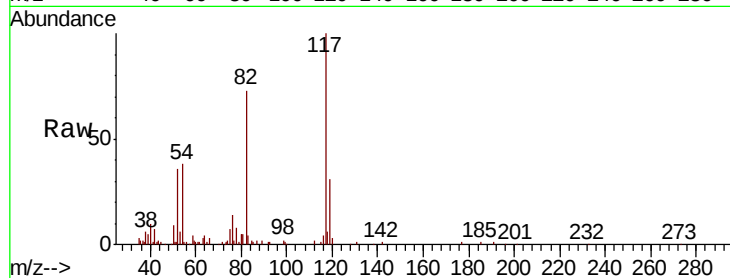
Tot Ion:131 Resp: 232

Ion Ratio Lower Upper

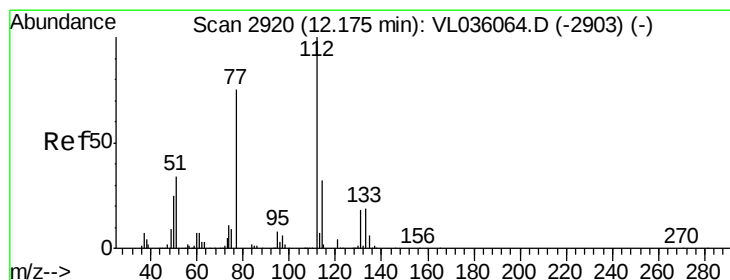
131 100

133 0.0 77.7 116.5#

119 333800.9 51.6 77.4#



Time--> 12.11 12.12 12.13



#57

Chlorobenzene

Concen: 0.003 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

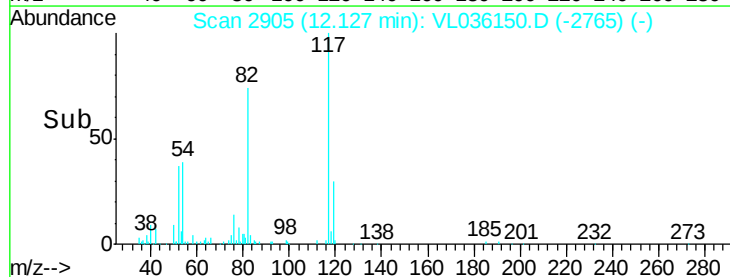
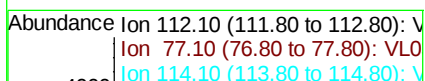
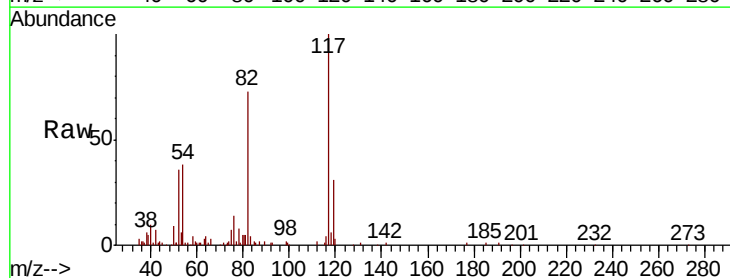
Tgt Ion:112 Resp: 531

Ion Ratio Lower Upper

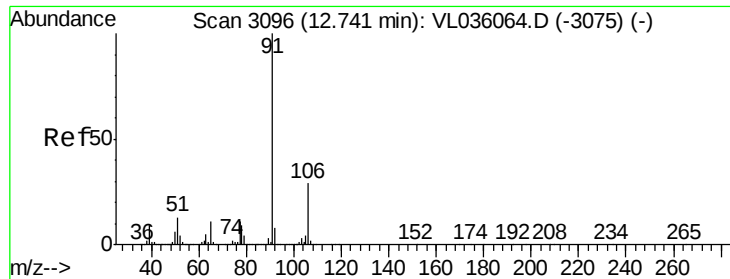
112 100

77 0.0 60.5 90.7#

114 0.0 29.2 35.6#



Time--> 12.11 12.12 12.13



#58

Ethyl Benzene

Concen: 0.002 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. -0.05 min

Lab File: VL036150.D

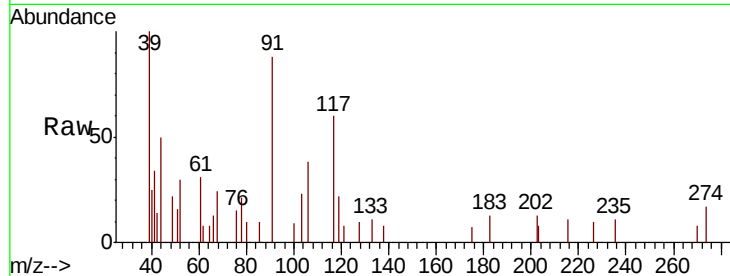
Acq: 11 Dec 2020 5:25

Tot Ion: 91 Resp: 571

Ion Ratio Lower Upper

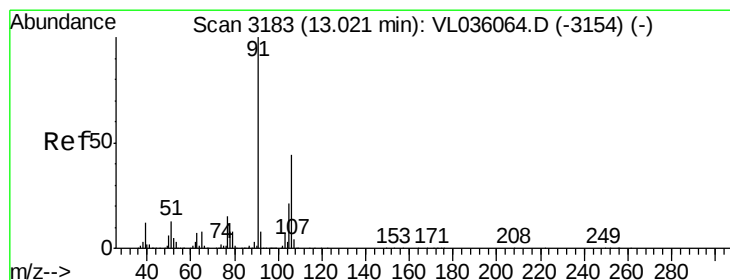
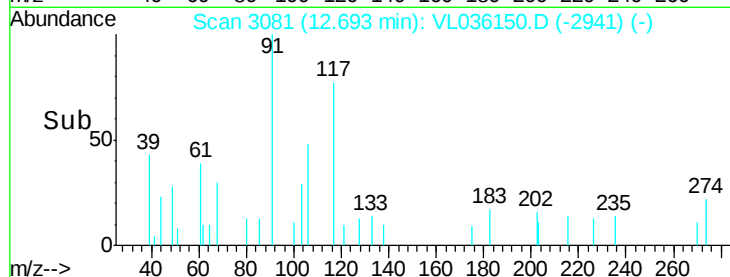
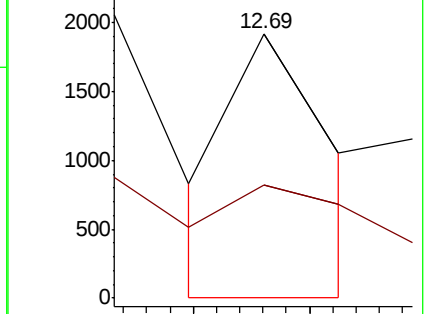
91 100

106 27.8 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: 0.006 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.05 min

Lab File: VL036150.D

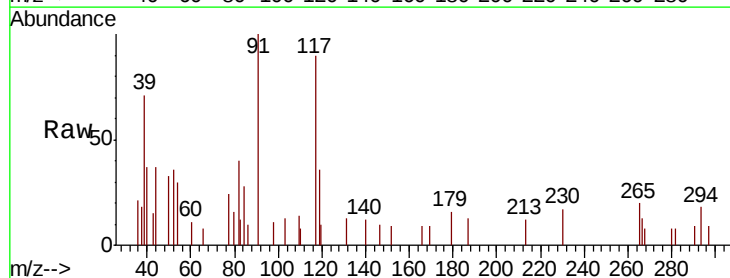
Acq: 11 Dec 2020 5:25

Tgt Ion: 91 Resp: 1717

Ion Ratio Lower Upper

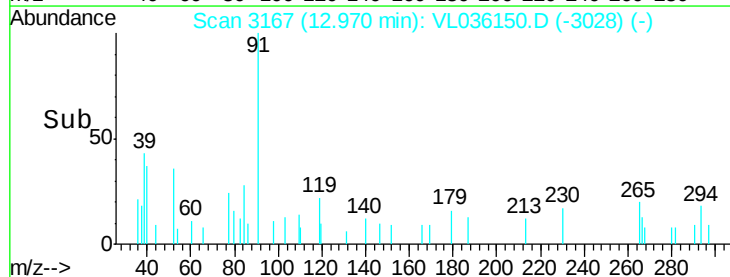
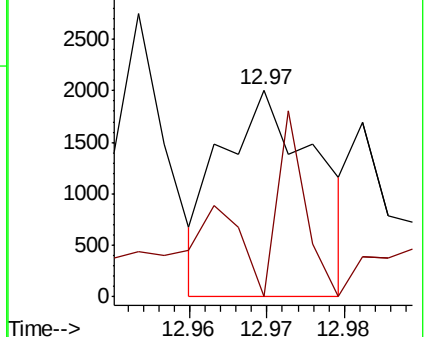
91 100

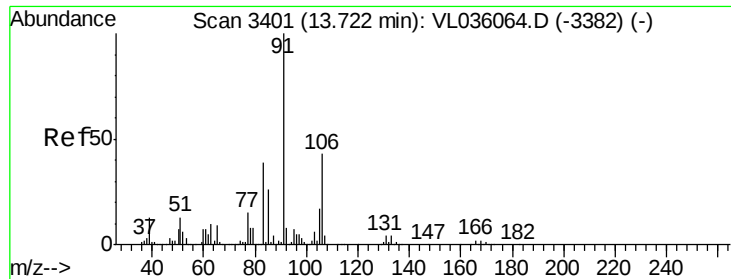
106 109.4 33.6 50.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

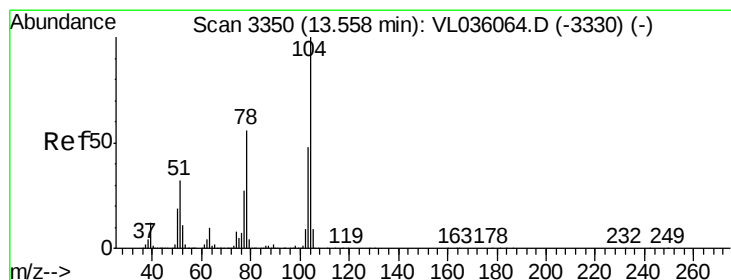
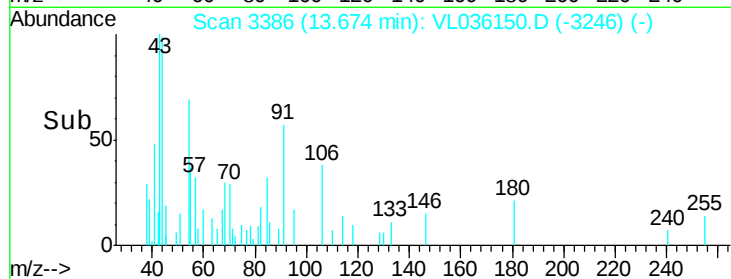
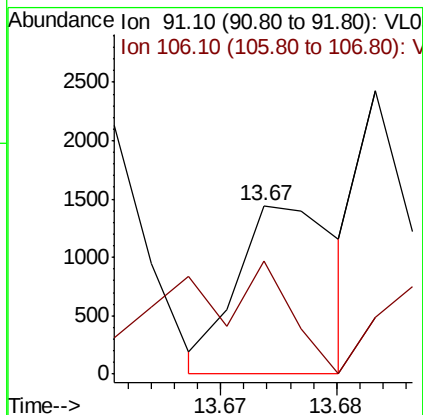
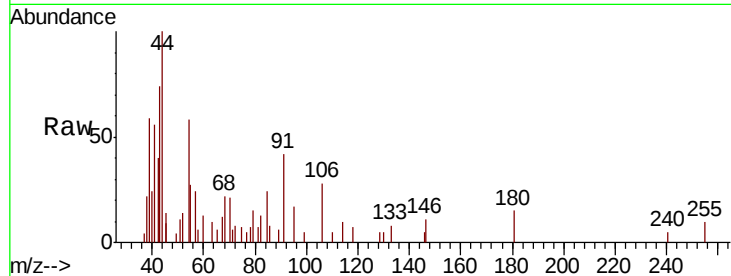
Ion 106.10 (105.80 to 106.80): V





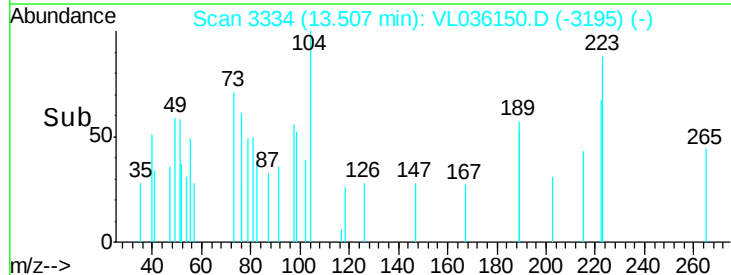
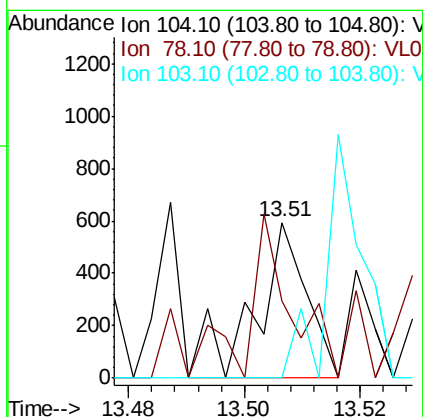
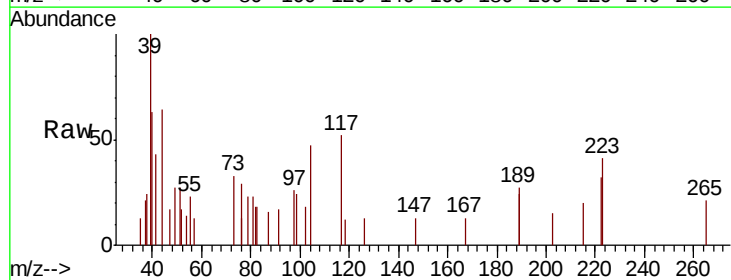
#60
o-Xylene
Concen: 0.003 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.05 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

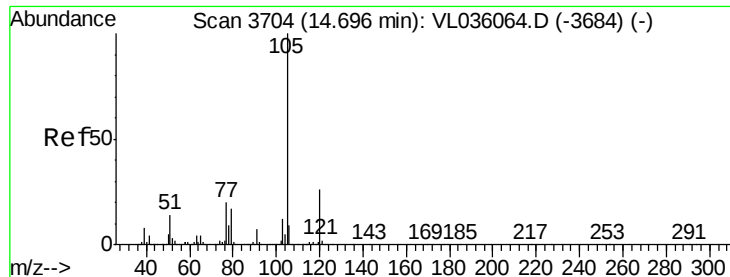
Tot Ion: 91 Resp: 877
Ion Ratio Lower Upper
91 100
106 123.6 21.6 64.6#



#61
Styrene
Concen: 0.002 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.05 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion: 104 Resp: 368
Ion Ratio Lower Upper
104 100
78 151.1 45.8 68.8#
103 0.0 38.6 57.8#





#62

Isopropylbenzene

Concen: 0.000 ppbv

RT: 14.82 min Scan# 3741

Delta R.T. 0.12 min

Lab File: VL036150.D

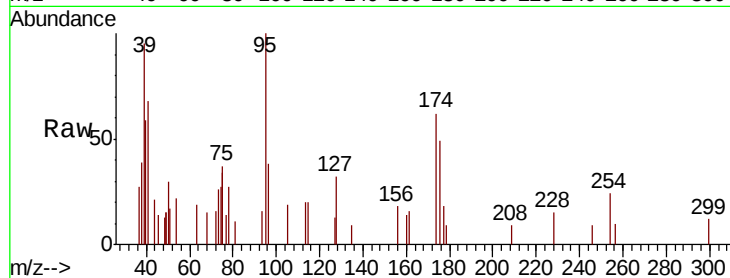
Acq: 11 Dec 2020 5:25

Tot Ion: 105 Resp: 146

Ion Ratio Lower Upper

105 100

120 28.1 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

400

300

200

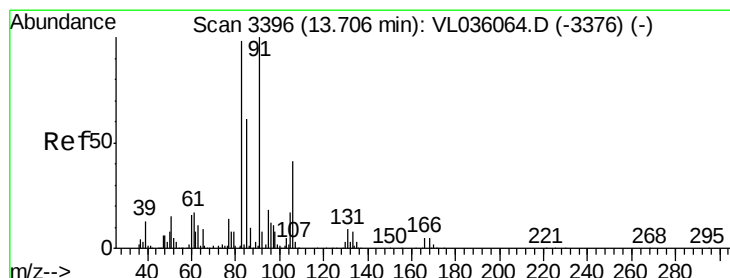
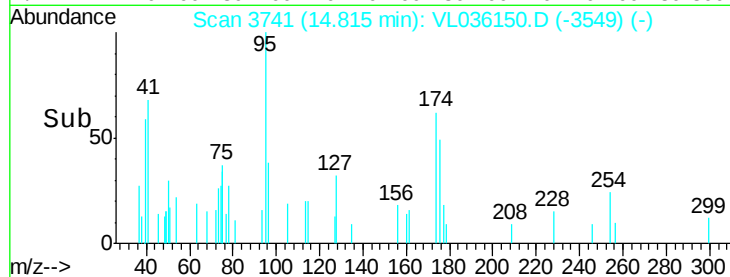
100

0

14.81

14.82

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.002 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

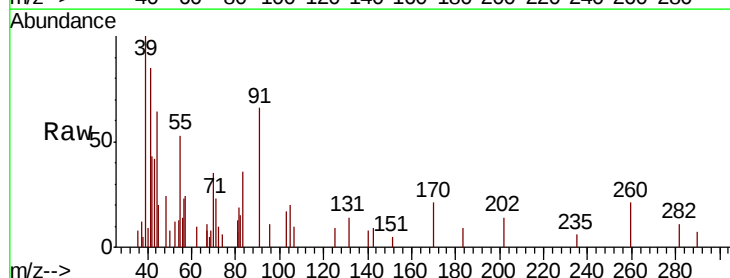
Tgt Ion: 83 Resp: 403

Ion Ratio Lower Upper

83 100

131 32.0 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

1500

1000

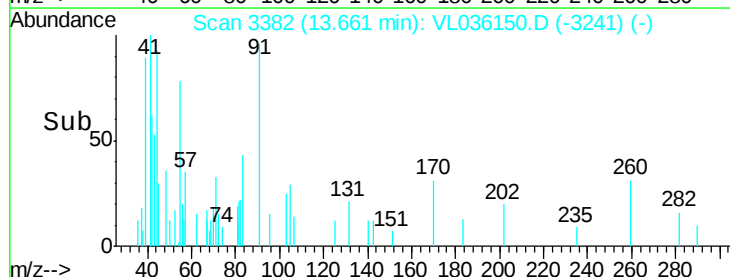
500

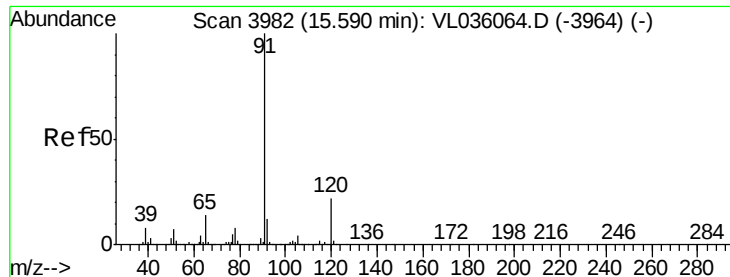
0

13.65

13.66

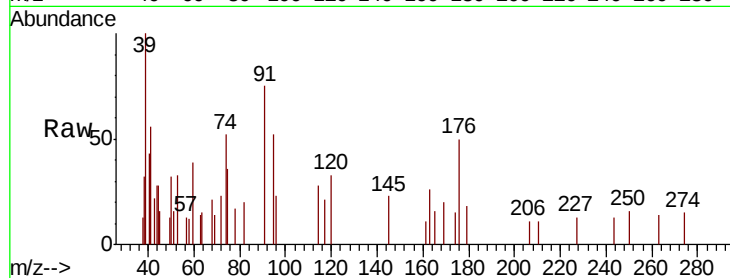
Time-->



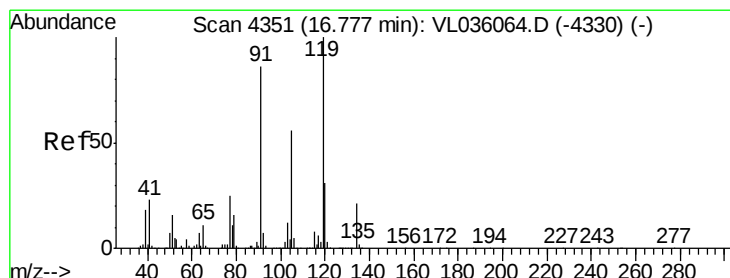
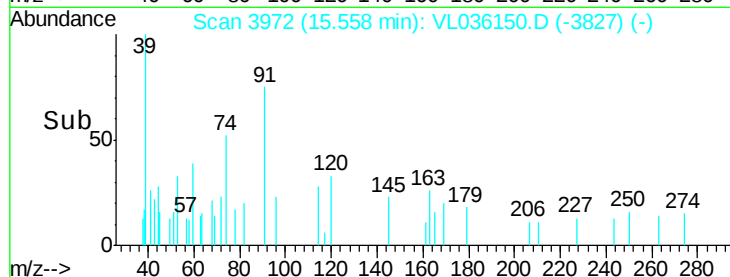
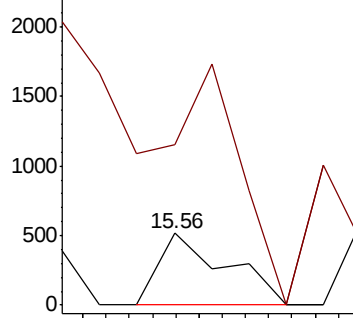


#64
n-propylbenzene
Concen: 0.002 ppbv
RT: 15.56 min Scan# 3972
Delta R.T. -0.03 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tot Ion:120 Resp: 207
Ion Ratio Lower Upper
120 100
91 446.4 388.9 583.3

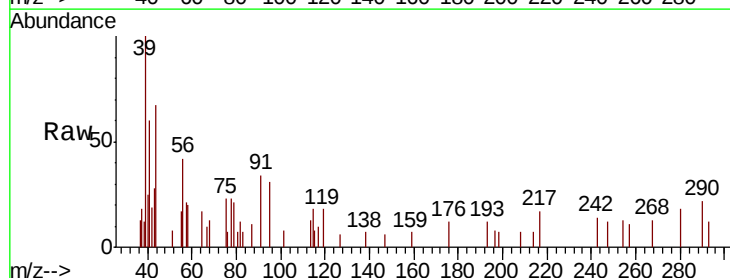


Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

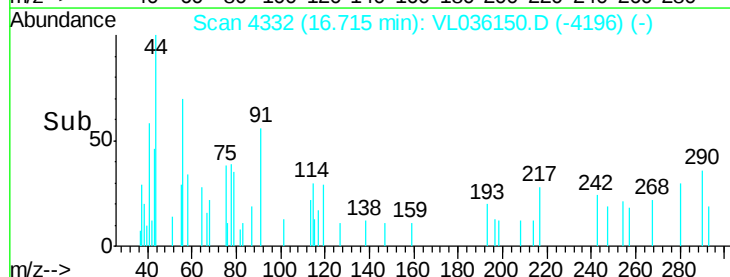
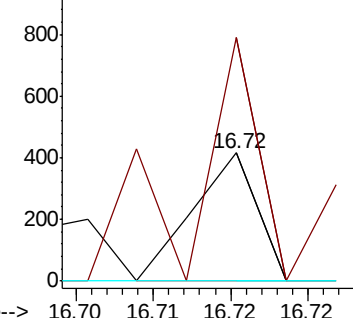


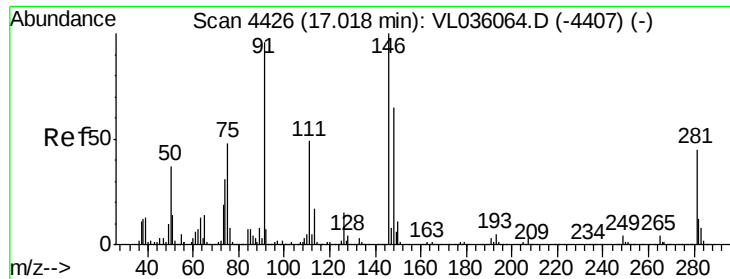
#65
tert-Butylbenzene
Concen: 0.000 ppbv
RT: 16.72 min Scan# 4332
Delta R.T. -0.06 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion:119 Resp: 119
Ion Ratio Lower Upper
119 100
91 1728.6 70.2 105.2#
134 0.0 15.8 23.6#



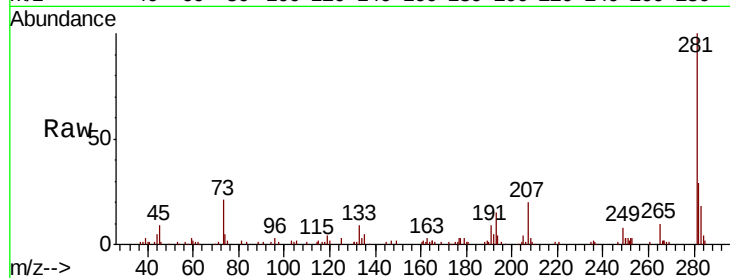
Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V



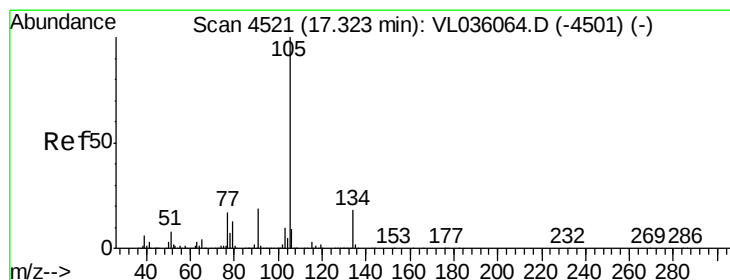
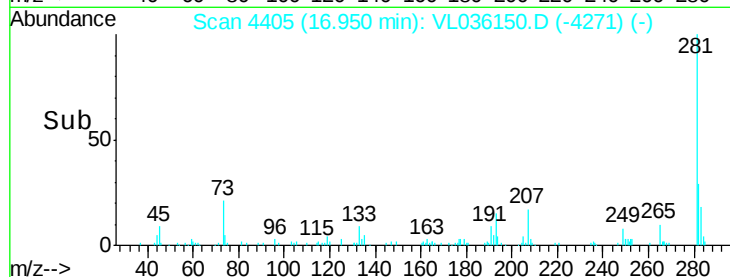
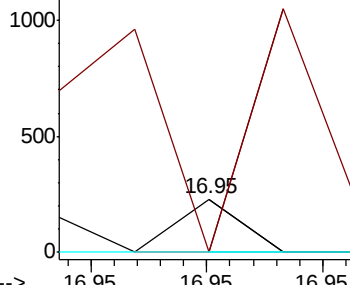


#66
Benzyl Chloride
Concen: 0.001 ppbv
RT: 16.95 min Scan# 4405
Delta R.T. -0.07 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tot Ion: 91 Resp: 44
Ion Ratio Lower Upper
91 100
126 2779.5 13.5 20.3#
128 0.0 4.4 6.6#

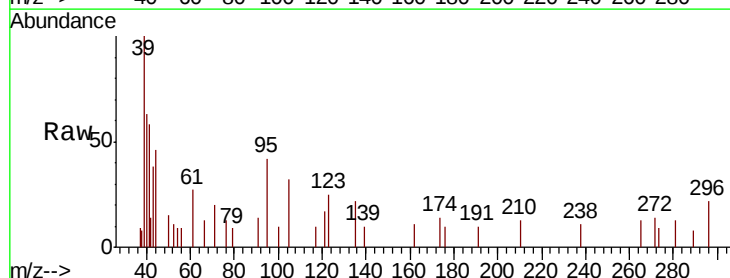


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

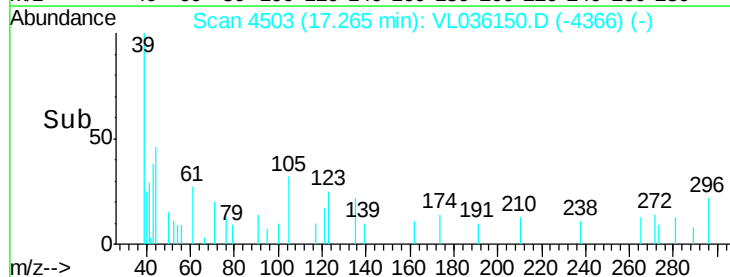
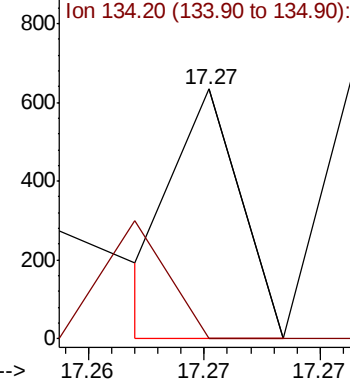


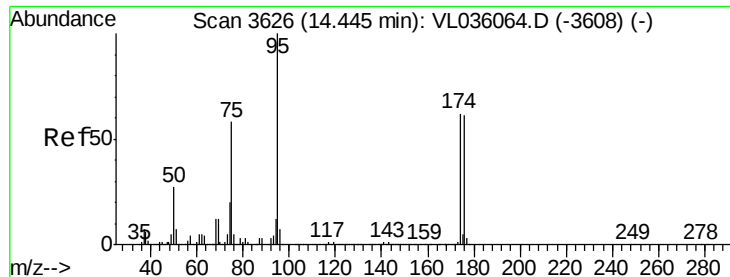
#67
sec-Butylbenzene
Concen: 0.000 ppbv
RT: 17.27 min Scan# 4503
Delta R.T. -0.06 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion: 105 Resp: 122
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: 11.010 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.04 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

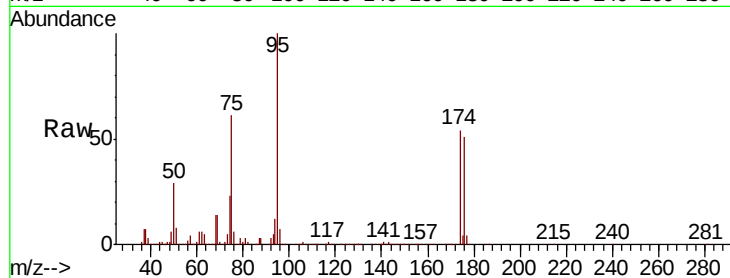
Tot Ion: 95 Resp: 2022265

Ion Ratio Lower Upper

95 100

174 56.0 50.7 76.1

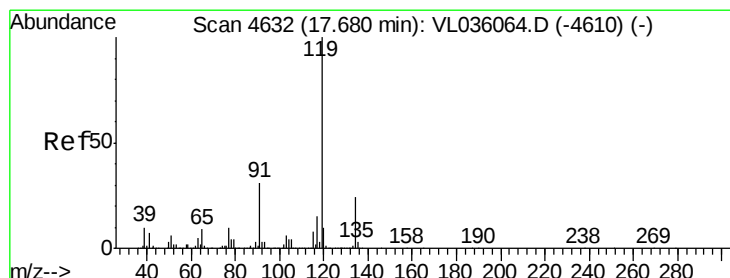
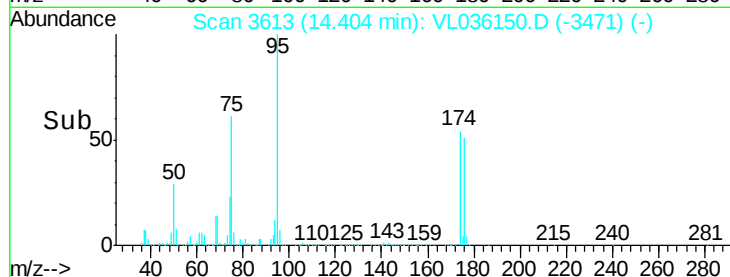
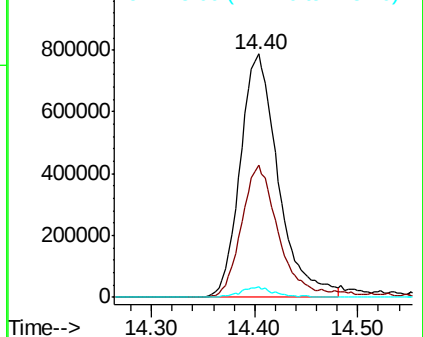
175 4.0 4.0 6.0#



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: VL036150.D

Acq: 11 Dec 2020 5:25

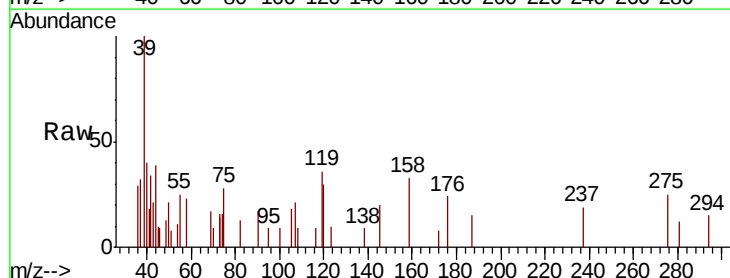
Tgt Ion: 119 Resp: 271

Ion Ratio Lower Upper

119 100

134 33.9 19.8 29.6#

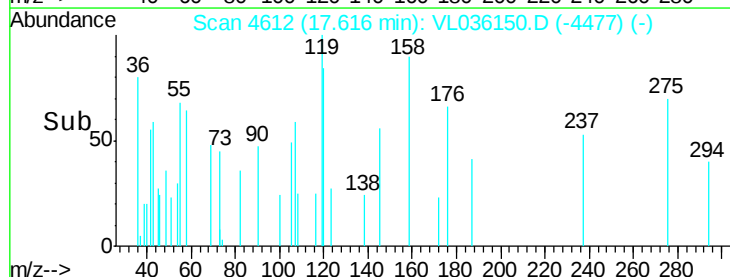
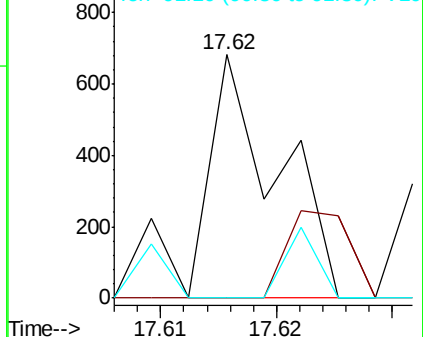
91 0.0 25.8 38.6#

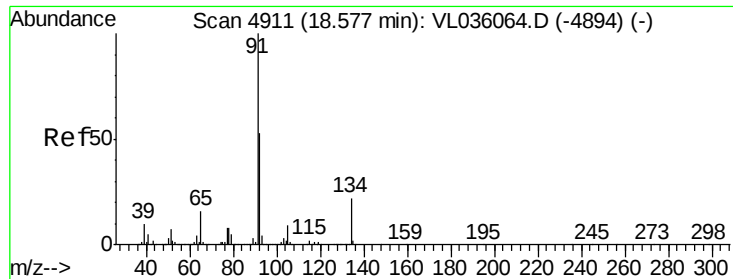


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

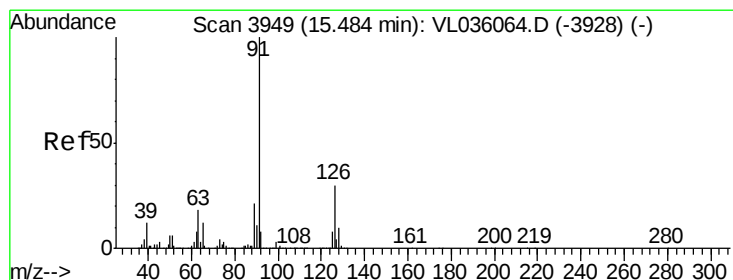
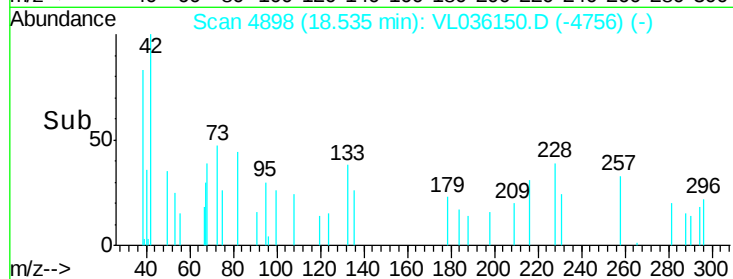
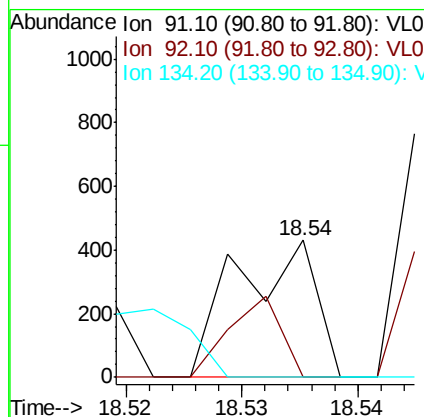
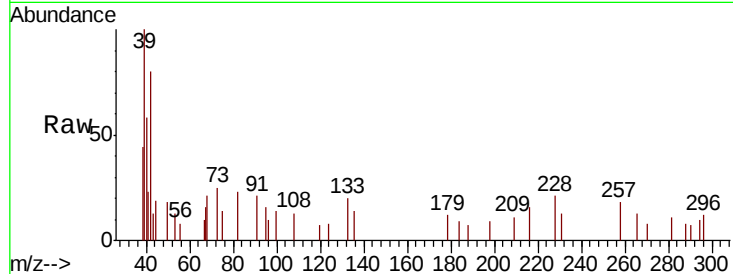
Ion 91.10 (90.80 to 91.80): VL0





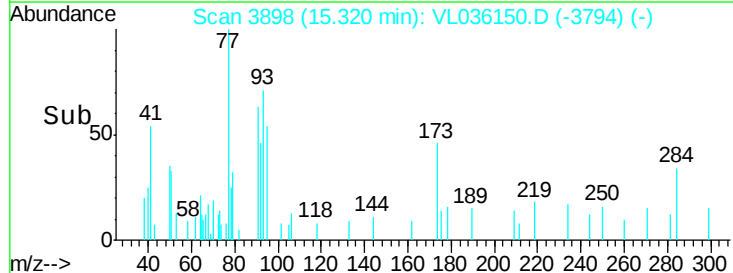
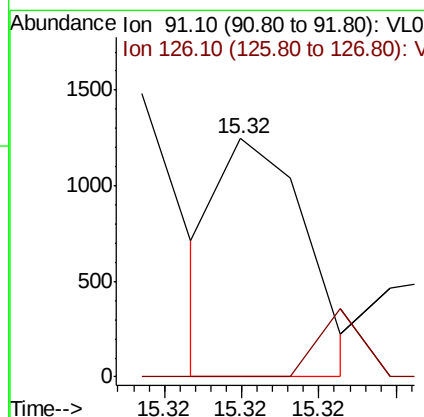
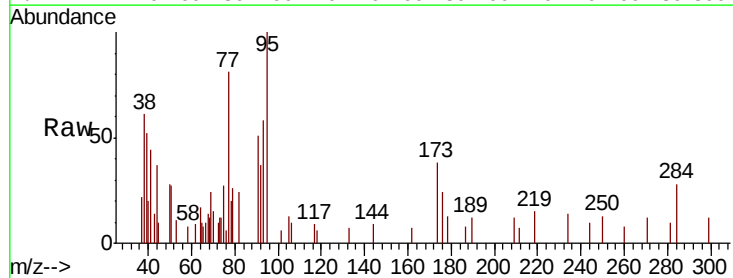
#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. -0.04 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

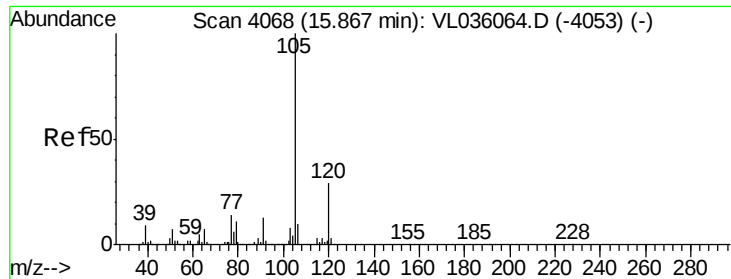
Tot Ion: 91 Resp: 204
Ion Ratio Lower Upper
91 100
92 0.0 43.3 64.9#
134 53.4 17.1 25.7#



#71
2-Chlorotoluene
Concen: 0.002 ppbv
RT: 15.32 min Scan# 3898
Delta R.T. -0.16 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion: 91 Resp: 484
Ion Ratio Lower Upper
91 100
126 14.3 11.6 46.4





#72

4-Ethyltoluene

Concen: 0.001 ppbv

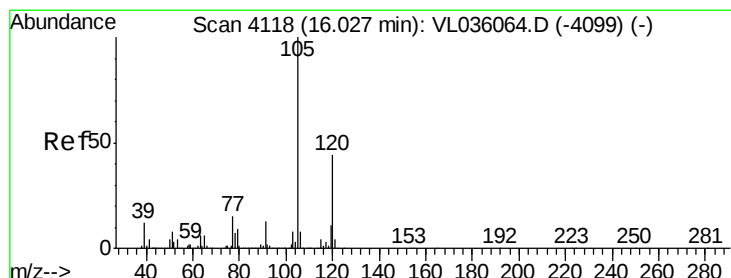
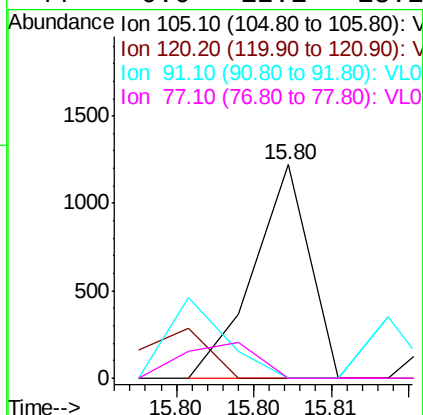
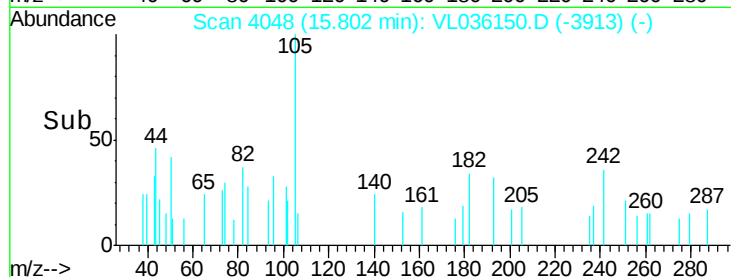
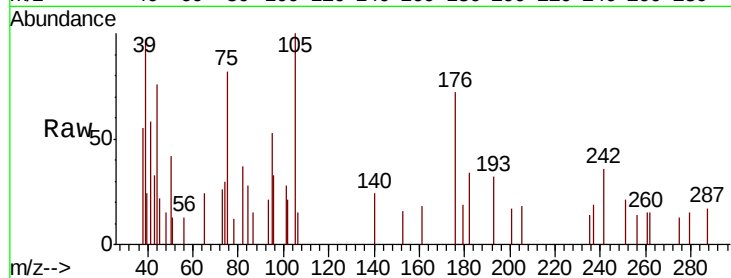
RT: 15.80 min Scan# 4048

Delta R.T. -0.06 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tot Ion:	105	Resp:	307
Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.6	35.4#
91	60.6	11.4	17.0#
77	0.0	12.1	18.1#



#73

1,3,5-Trimethylbenzene

Concen: 0.002 ppbv

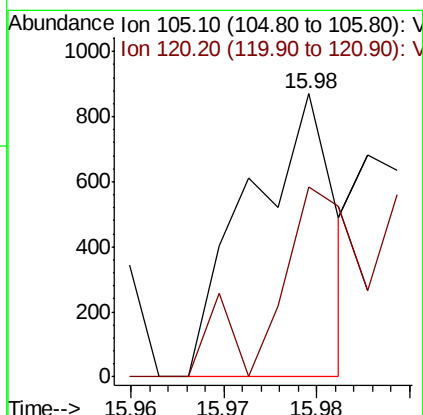
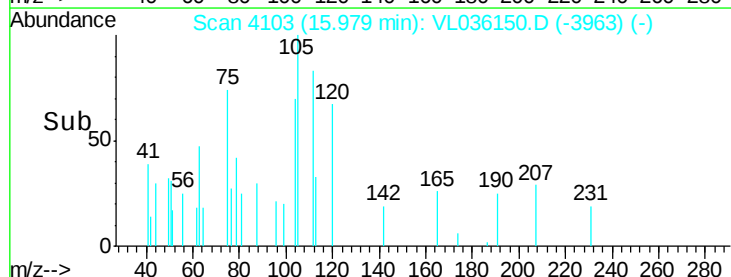
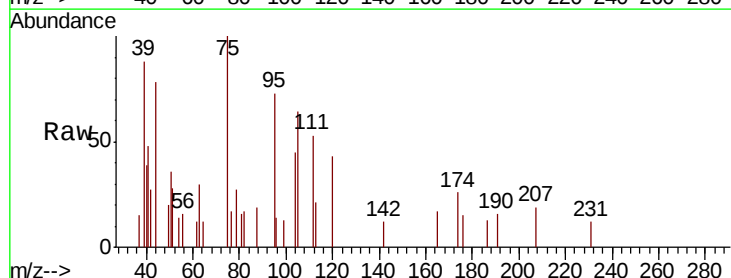
RT: 15.98 min Scan# 4103

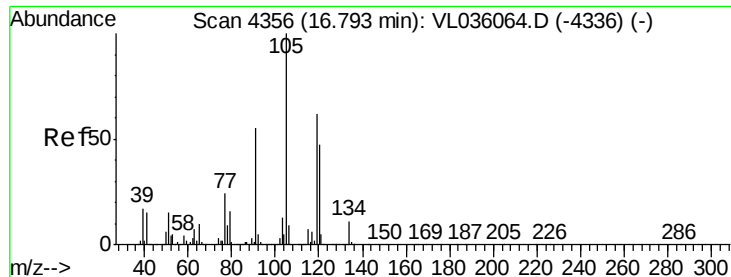
Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tgt Ion:	105	Resp:	559
Ion	Ratio	Lower	Upper
105	100		
120	67.0	35.4	53.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.003 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.05 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tot Ion:105 Resp: 698

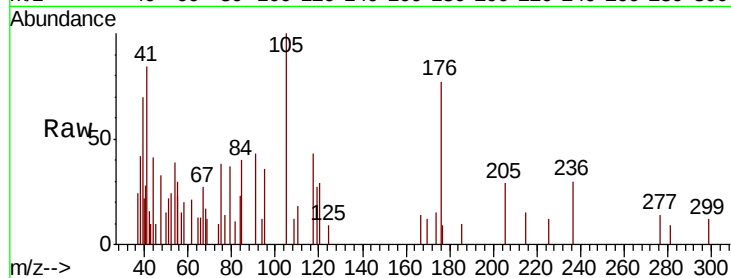
Ion Ratio Lower Upper

105 100

120 29.1 37.4 56.0#

91 27.0 45.6 68.4#

77 1.9 19.4 29.2#

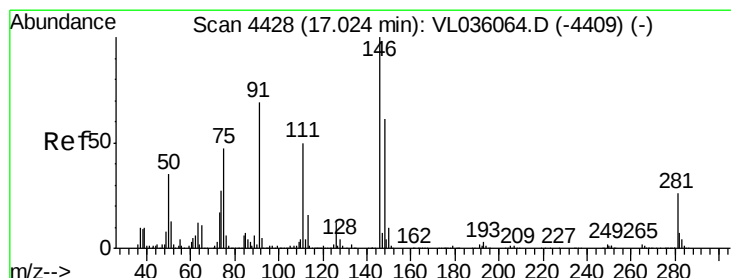
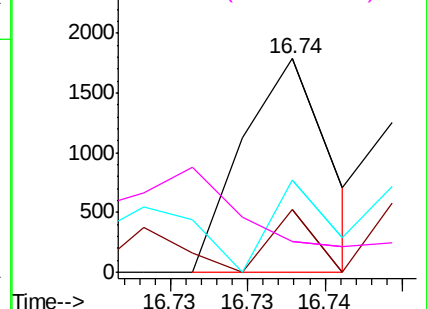
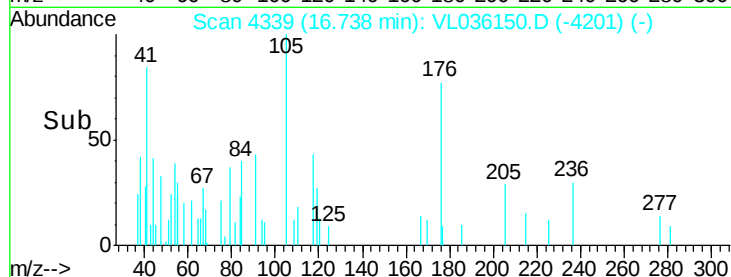


Abundance Ion 105.10 (104.80 to 105.80): V

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# 4408

Delta R.T. -0.06 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

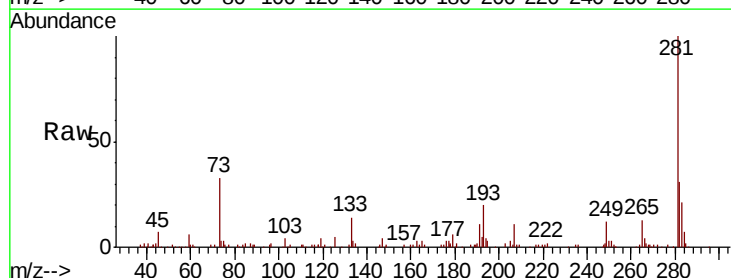
Tgt Ion:146 Resp: 203

Ion Ratio Lower Upper

146 100

111 0.0 25.1 75.3#

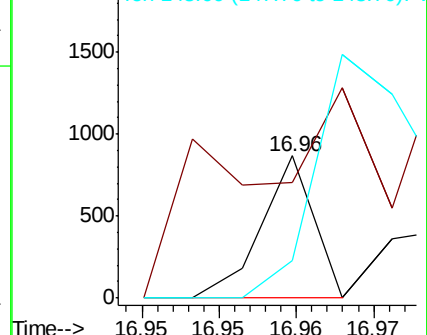
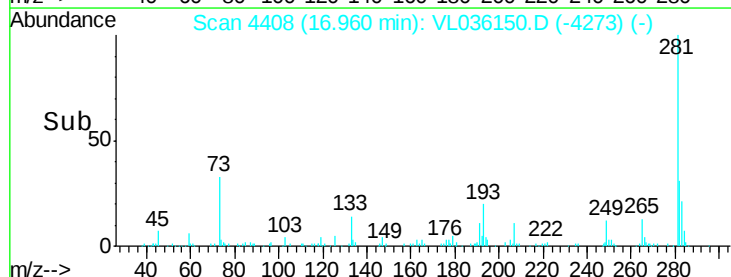
148 1271.4 32.9 98.6#

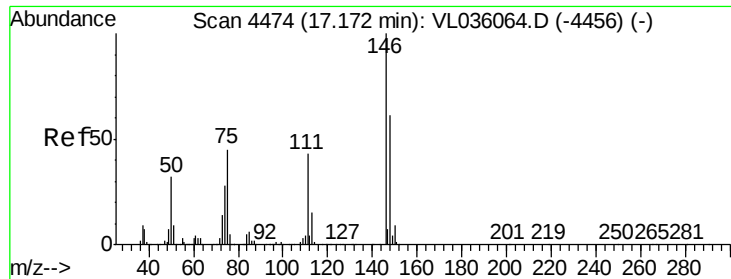


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

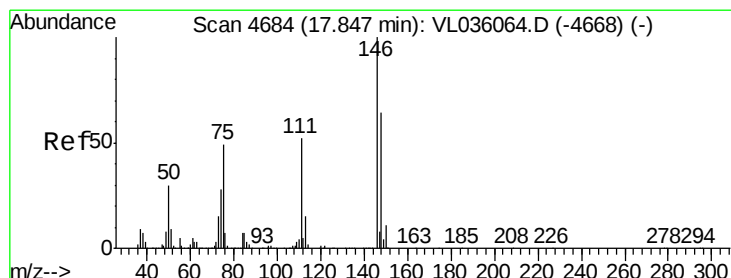
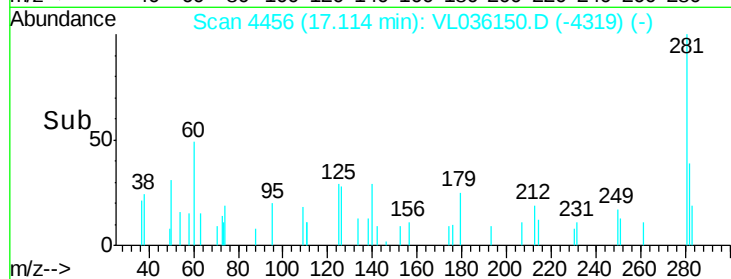
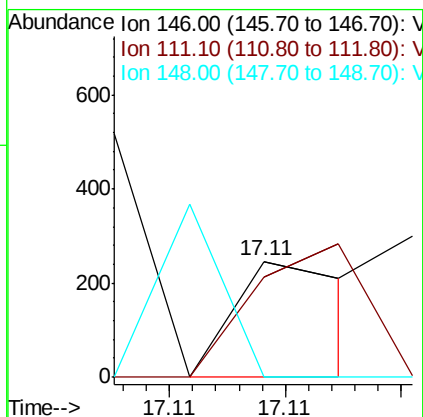
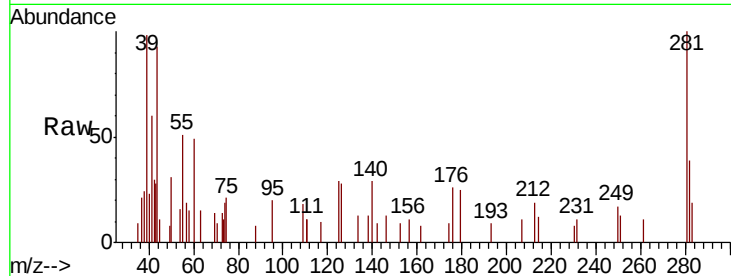
Ion 148.00 (147.70 to 148.70): V





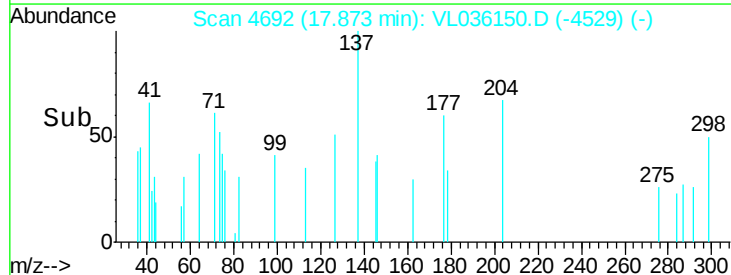
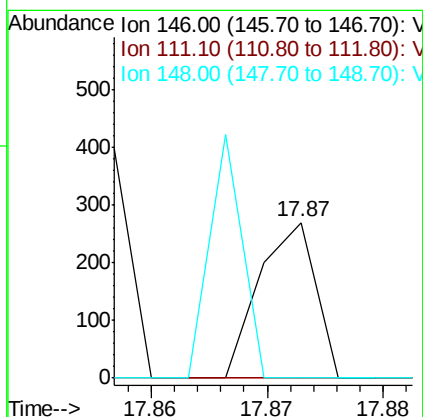
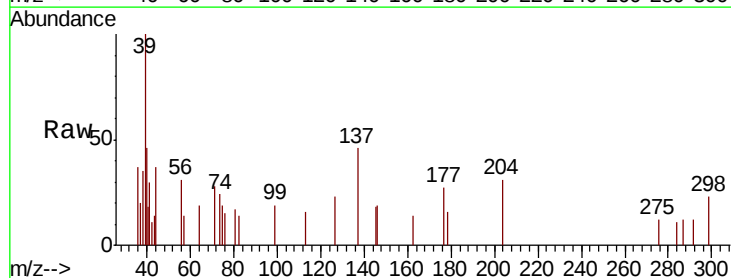
#76
 1,4-Dichlorobenzene
 Concen: 0.001 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.06 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

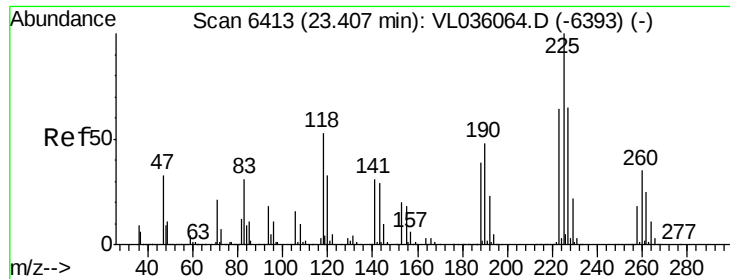
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.3	72.8#
148	152.3	32.8	98.3#



#77
 1,2-Dichlorobenzene
 Concen: 0.001 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. 0.03 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	26.1	78.2
148	90.1	33.1	99.5

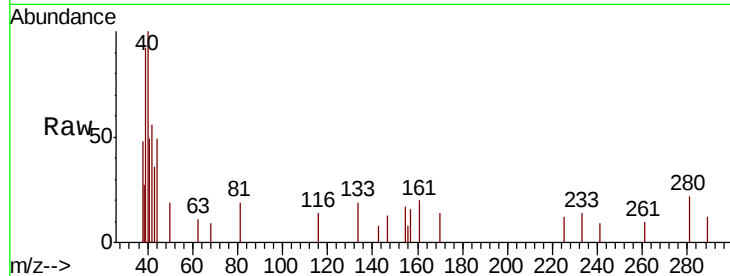




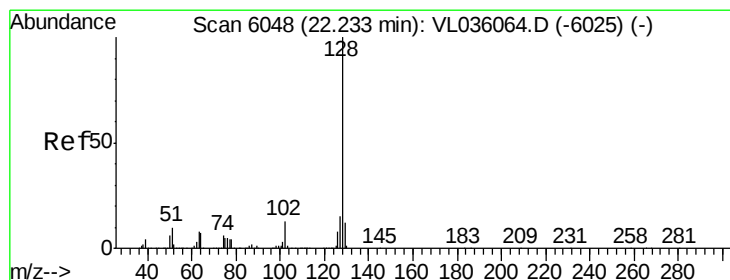
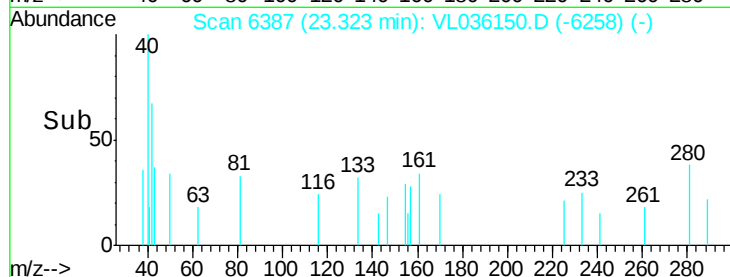
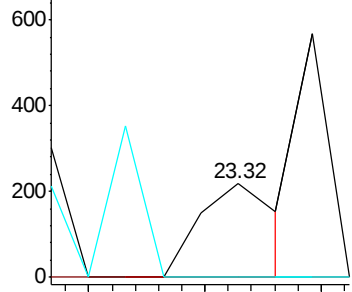
#78

Hexachloro-1,3-Butadiene
 Concen: 0.001 ppbv
 RT: 23.32 min Scan# 6387
 Delta R.T. -0.08 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

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



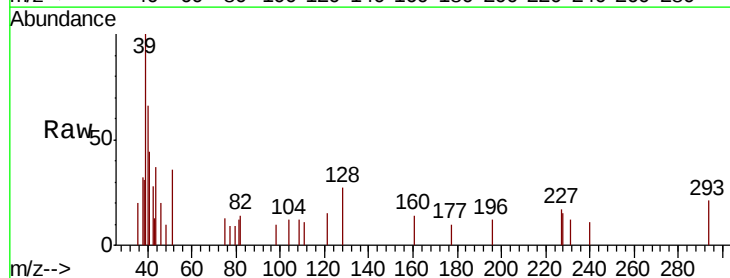
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



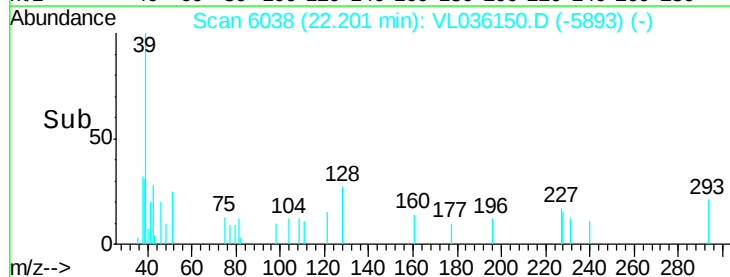
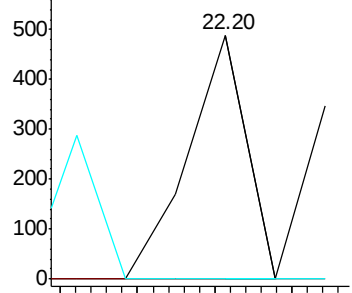
#79

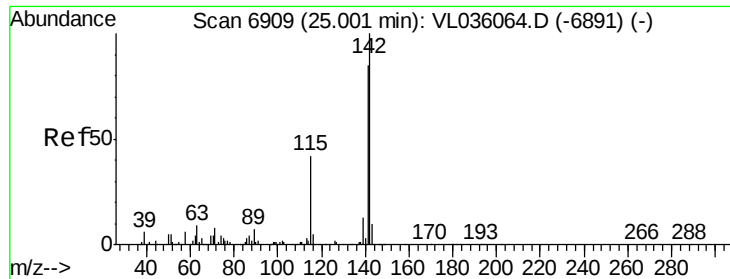
Naphthalene
 Concen: 0.001 ppbv
 RT: 22.20 min Scan# 6038
 Delta R.T. -0.03 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

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



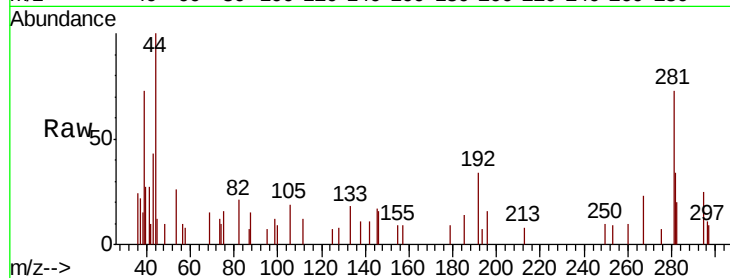
Abundance Ion 128.10 (127.80 to 128.80): V
 Ion 127.10 (126.80 to 127.80): V
 Ion 129.10 (128.80 to 129.80): V



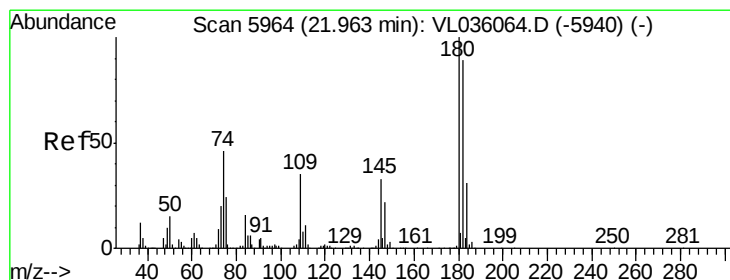
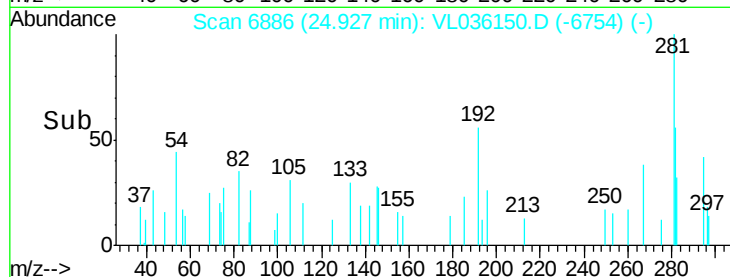
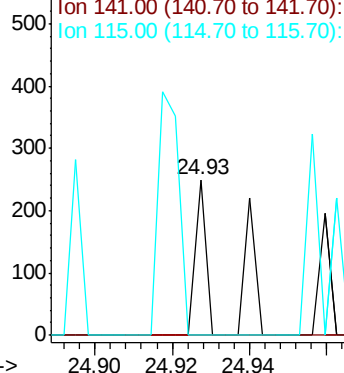


#80
Naphthalene, 2-methyl-
Concen: 0.003 ppbv
RT: 24.93 min Scan# 6886
Delta R.T. -0.07 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tot Ion	Ratio	Lower	Upper
142	100		
141	0.0	64.3	96.5#
115	157.1	33.9	50.9#

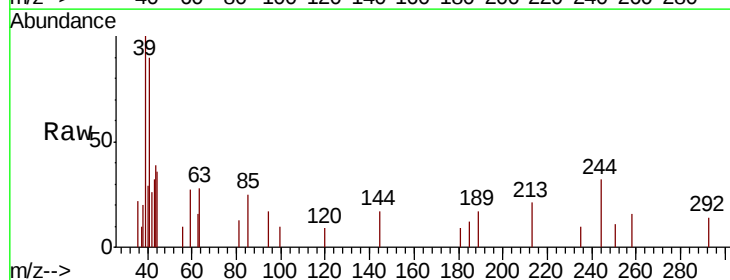


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



#81
1,2,4-Trichlorobenzene
Concen: 0.000 ppbv
RT: 21.88 min Scan# 5939
Delta R.T. -0.08 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.7	0.0	0.0#
184	0.0	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

