

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036140.D
 Acq On : 10 Dec 2020 22:53
 Operator : SY/AP
 Sample : L4930-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 04:34:32 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	1347704	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2661779	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2372354	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2020417	10.73	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	380	0.002	ppbv 90
3) Chlorodifluoromethane	2.97	51	3308	0.022	ppbv # 76
4) Chloromethane	3.12	50	1117	0.015	ppbv # 42
5) Vinyl Chloride	3.16	62	178	0.002	ppbv # 44
6) Bromomethane	3.46	94	115	0.003	ppbv # 1
7) Chloroethane	3.54	64	98	0.003	ppbv # 40
8) Dichlorotetrafluoroethane	3.18	85	52	0.000	ppbv # 16
10) Heptane	8.10	43	314	0.002	ppbv # 29
11) Trichlorofluoromethane	3.93	101	780	0.004	ppbv # 20
12) 1,1,2-Trichlorotrifluoroet	4.47	101	183	0.001	ppbv # 76
13) Ethanol	3.59	45	157	0.015	ppbv # 29
14) Bromoethene	3.82	108	88	0.002	ppbv # 28
15) Acetone	3.83	43	764	0.005	ppbv # 49
16) 1,3-Butadiene	3.31	39	488	0.006	ppbv # 11
17) tert-Butyl alcohol	4.30	59	30	0.000	ppbv # 71
18) 1,1-Dichloroethene	4.25	96	222	0.004	ppbv # 1
19) Isopropyl Alcohol	3.95	45	38	0.000	ppbv # 100
20) Methylene Chloride	4.33	84	24592m	0.371	ppbv
21) Allvl Chloride	4.39	41	237	0.002	ppbv # 30
22) trans-1,2-Dichloroethene	4.87	96	299	0.005	ppbv # 4
23) Vinyl Acetate	5.07	43	951	0.004	ppbv # 84
24) 1,1-Dichloroethane	4.99	63	219	0.001	ppbv # 88
25) Ethyl Acetate	5.66	43	1622	0.005	ppbv # 79
27) Carbon Disulfide	4.54	76	422	0.003	ppbv # 1
28) Methyl tert-Butyl Ether	5.04	73	148	0.001	ppbv # 51
29) Chloroform	5.73	83	348	0.002	ppbv 94
30) Cyclohexane	7.12	84	248	0.002	ppbv # 1
31) cis-1,2-Dichloroethene	5.54	61	327	0.002	ppbv # 72
32) 1,1,1-Trichloroethane	6.50	97	329	0.002	ppbv # 21
34) 2-Butanone	5.22	43	829	0.005	ppbv # 1
35) Carbon Tetrachloride	7.00	117	65	0.000	ppbv # 13
36) Benzene	6.88	78	2114	0.009	ppbv # 81
37) 1,2-Dichloroethane	6.29	62	1376	0.011	ppbv # 83
38) Trichloroethene	7.82	130	486	0.006	ppbv # 39
40) 1,4-Dioxane	7.83	88	188	0.007	ppbv # 1
41) Tetrahydrofuran	6.03	42	50	0.000	ppbv # 40
42) Bromodichloromethane	7.77	83	461	0.003	ppbv # 25
43) Methyl Methacrylate	8.00	69	99	0.001	ppbv # 1
44) 2,2,4-Trimethylpentane	7.84	57	654	0.002	ppbv # 41
45) t-1,3-Dichloropropene	9.25	75	292	0.003	ppbv # 42
46) cis-1,3-Dichloropropene	8.69	75	171	0.001	ppbv # 62

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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

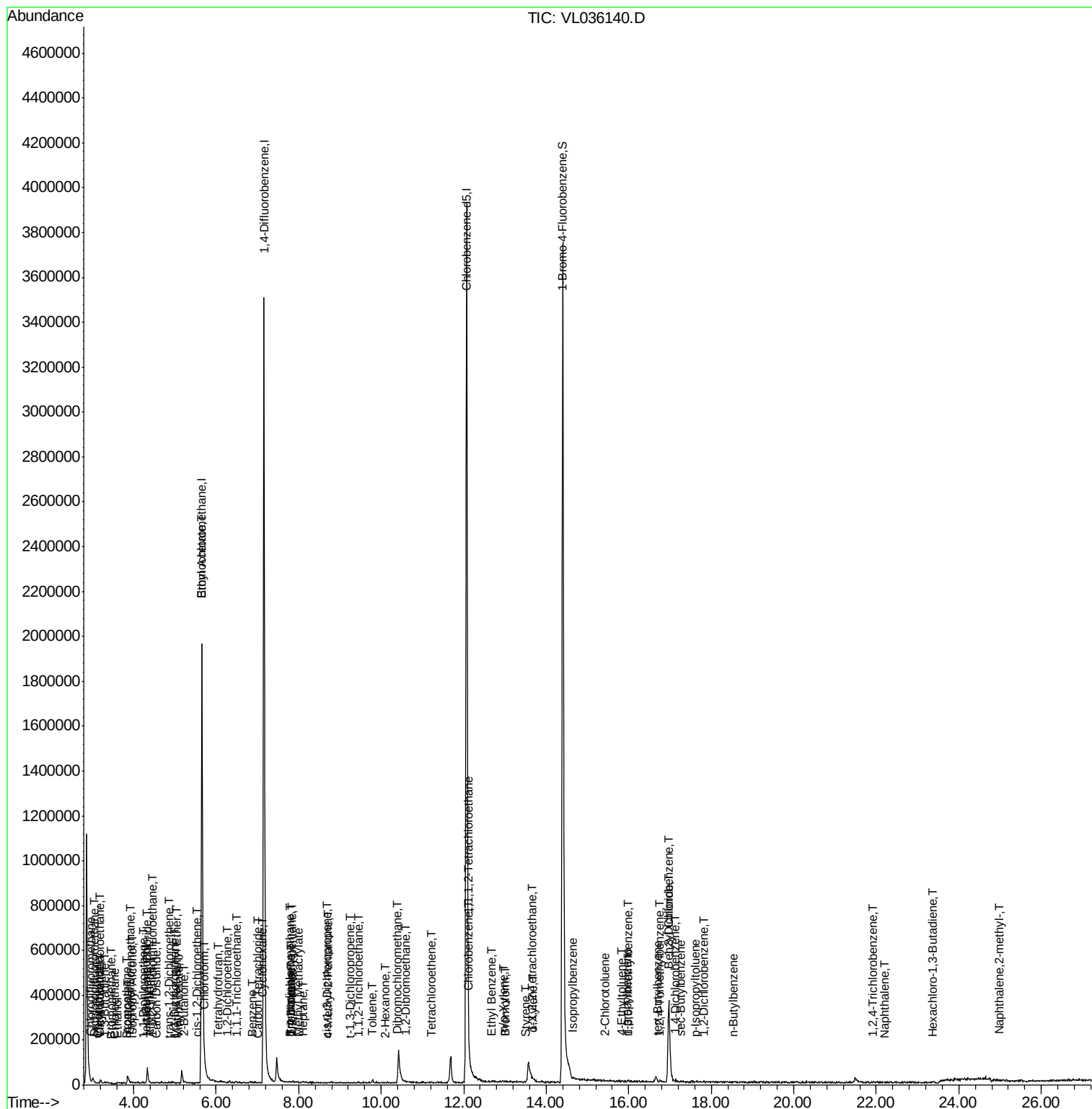
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

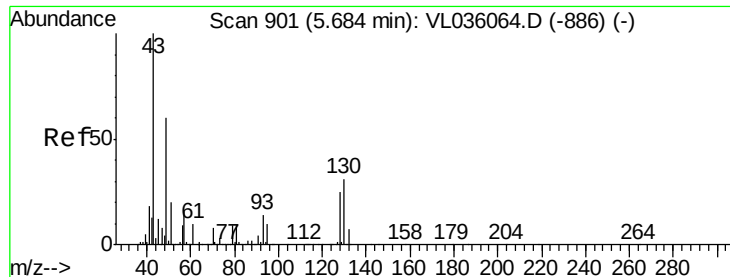
47) 1,1,2-Trichloroethane	9.44	97	123	0.001	ppbv #	14
48) Dibromochloromethane	10.38	129	91	0.001	ppbv	87
49) Bromoform	13.01	173	74	0.001	ppbv #	1
50) 4-Methyl-2-Pentanone	8.71	43	47	0.000	ppbv #	40
51) 2-Hexanone	10.10	43	263	0.001	ppbv #	29
52) Tetrachloroethene	11.21	164	166	0.002	ppbv #	21
53) Toluene	9.77	91	1857	0.007	ppbv #	21
54) 1,2-Dibromoethane	10.58	107	158	0.001	ppbv #	53
56) 1,1,1,2-Tetrachloroethane	12.11	131	83	0.001	ppbv #	8
57) Chlorobenzene	12.13	112	480	0.003	ppbv #	24
58) Ethyl Benzene	12.66	91	244	0.001	ppbv	92
59) m/p-Xylene	12.97	91	346	0.001	ppbv #	34
60) o-Xylene	13.68	91	748	0.003	ppbv #	33
61) Styrene	13.51	104	251	0.002	ppbv #	1
62) Isopropylbenzene	14.64	105	620	0.002	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.65	83	360	0.002	ppbv #	25
64) n-propylbenzene	15.96	120	63	0.001	ppbv	83
65) tert-Butylbenzene	16.71	119	88	0.000	ppbv #	15
66) Benzyl Chloride	16.95	91	80	0.001	ppbv #	1
67) sec-Butylbenzene	17.27	105	352	0.001	ppbv #	60
69) p-Isopropyltoluene	17.62	119	247	0.001	ppbv #	46
70) n-Butylbenzene	18.52	91	91	0.000	ppbv #	26
71) 2-Chlorotoluene	15.44	91	334	0.001	ppbv	94
72) 4-Ethyltoluene	15.82	105	249	0.001	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.97	105	687	0.003	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.73	105	52	0.000	ppbv #	31
75) 1,3-Dichlorobenzene	16.97	146	464	0.003	ppbv #	22
76) 1,4-Dichlorobenzene	17.12	146	463	0.003	ppbv #	65
77) 1,2-Dichlorobenzene	17.81	146	1164	0.009	ppbv #	41
78) Hexachloro-1,3-Butadiene	23.36	225	226	0.002	ppbv #	79
79) Naphthalene	22.21	128	150	0.001	ppbv #	67
80) Naphthalene,2-methyl-	24.97	142	218	0.007	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.92	180	97	0.001	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

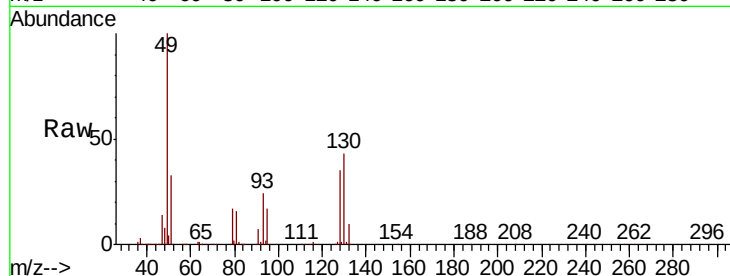
Delta R.T. -0.03 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tot Ion: 49 Resp: 1347704

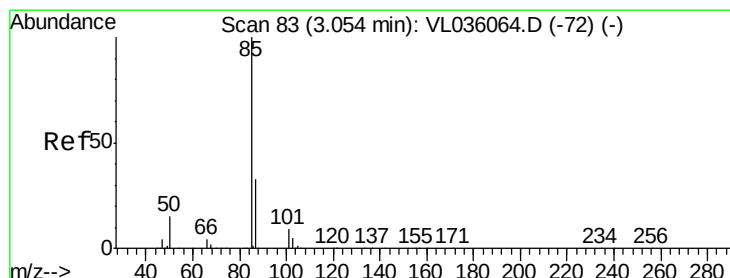
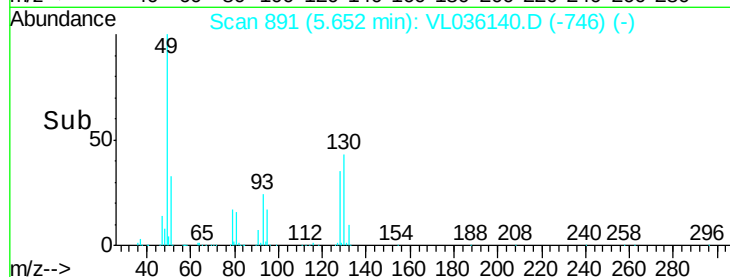
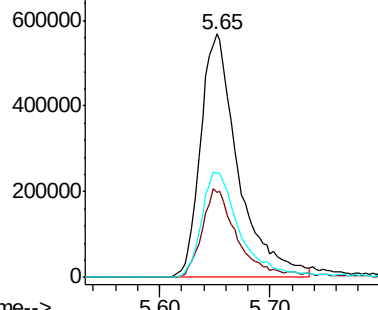
Ion	Ratio	Lower	Upper
49	100		
128	35.8	21.1	63.1
130	45.4	27.1	81.3



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: 0.002 ppbv

RT: 3.05 min Scan# 83

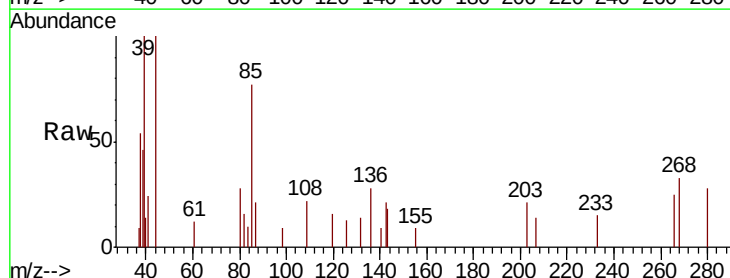
Delta R.T. -0.00 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

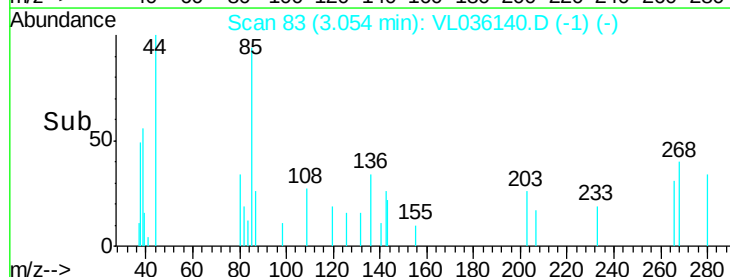
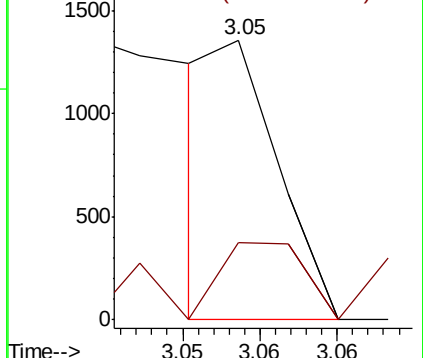
Tgt Ion: 85 Resp: 380

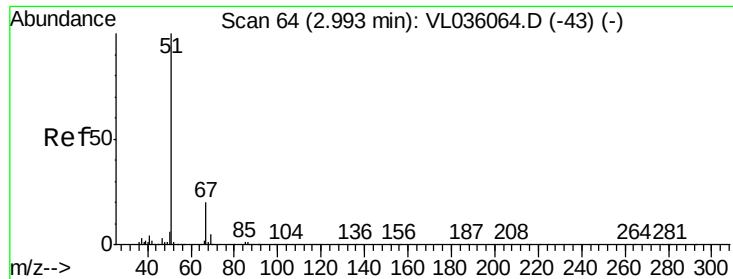
Ion	Ratio	Lower	Upper
85	100		
87	27.7	26.5	39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

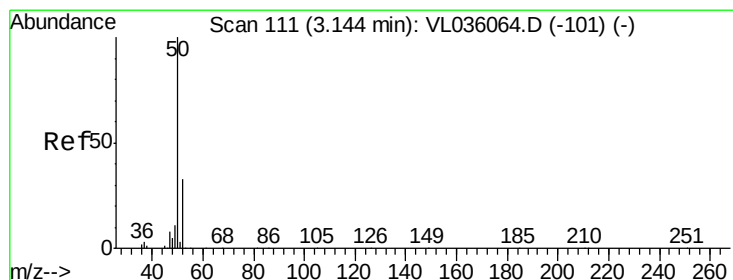
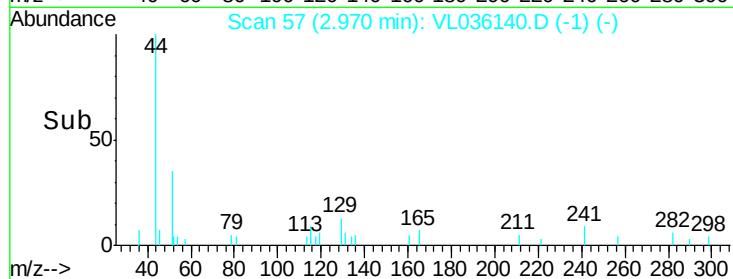
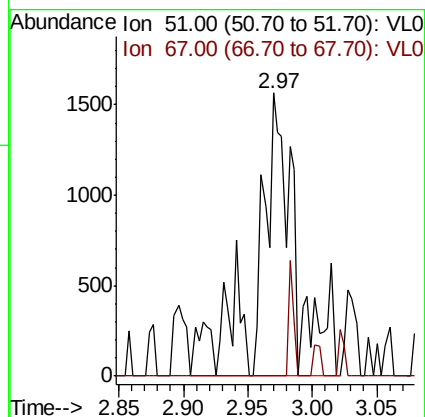
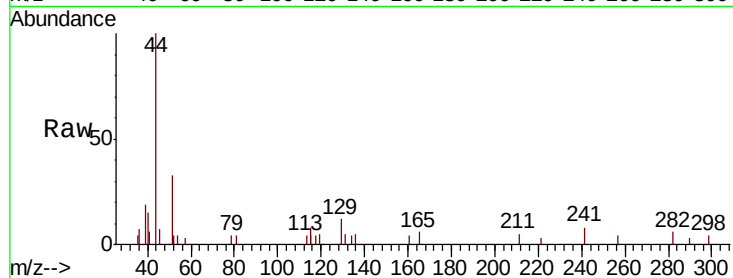
Ion 87.00 (86.70 to 87.70): VL0





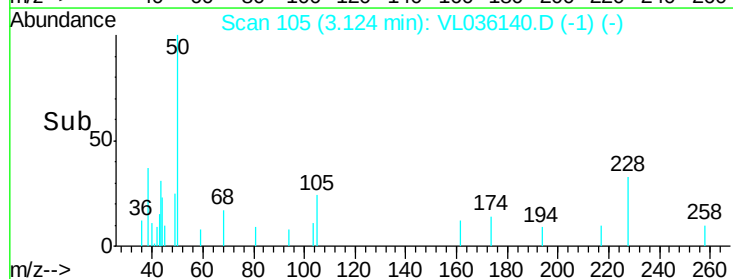
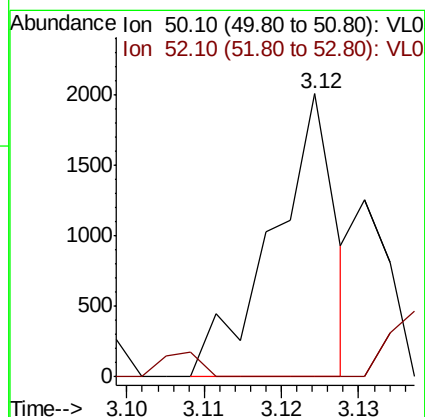
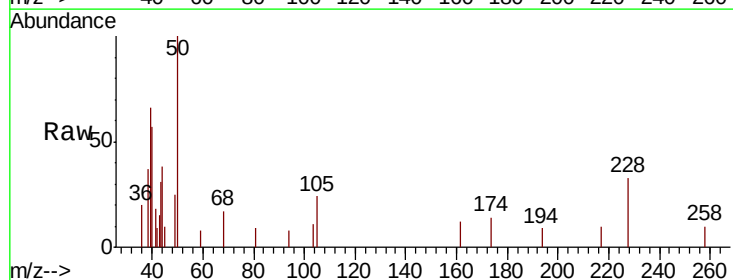
#3
Chlorodifluoromethane
Concen: 0.022 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

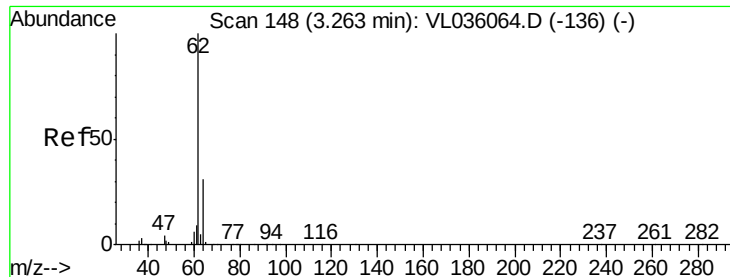
Tot Ion: 51 Resp: 3308
Ion Ratio Lower Upper
51 100
67 7.4 14.3 21.5#



#4
Chloromethane
Concen: 0.015 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.02 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

Tgt Ion: 50 Resp: 1117
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#





#5

Vinyl Chloride

Concen: 0.002 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.10 min

Lab File: VL036140.D

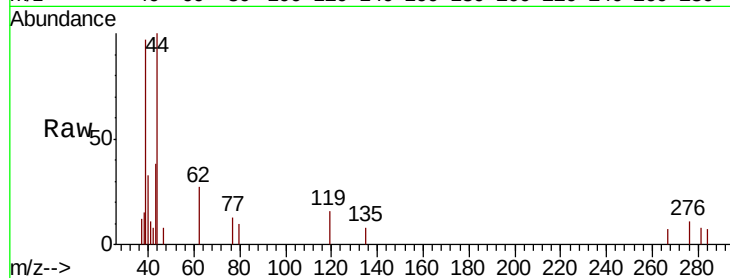
Acq: 10 Dec 2020 22:53

Tot Ion: 62 Resp: 178

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

3.16

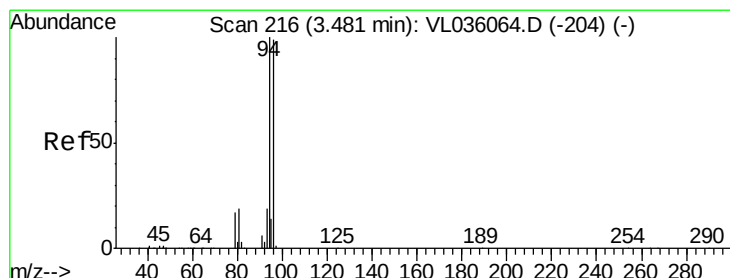
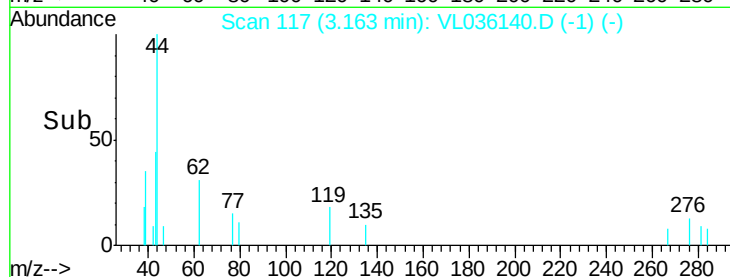
600

400

200

0

Time--> 3.15 3.16 3.17 3.17



#6

Bromomethane

Concen: 0.003 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.03 min

Lab File: VL036140.D

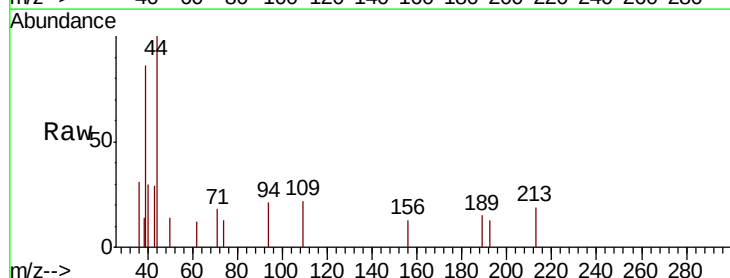
Acq: 10 Dec 2020 22:53

Tgt Ion: 94 Resp: 115

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

3.46

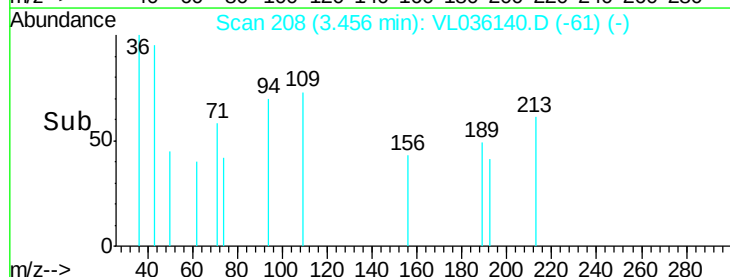
300

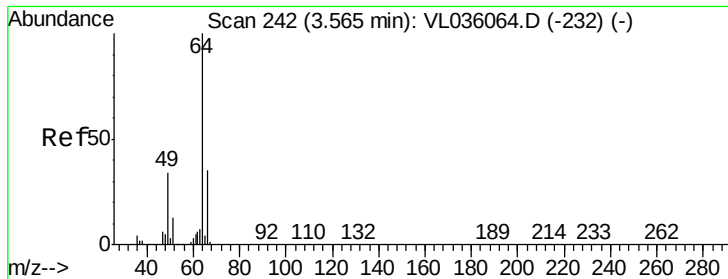
200

100

0

Time--> 3.45 3.46 3.46 3.46





#7

Chloroethane

Concen: 0.003 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL036140.D

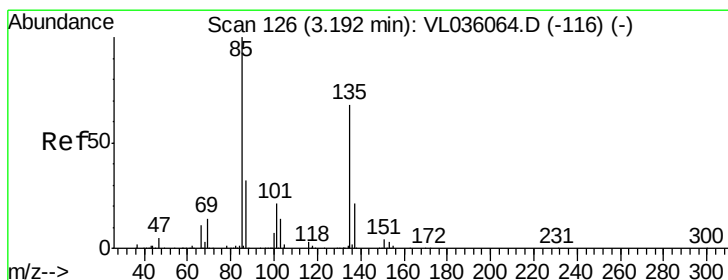
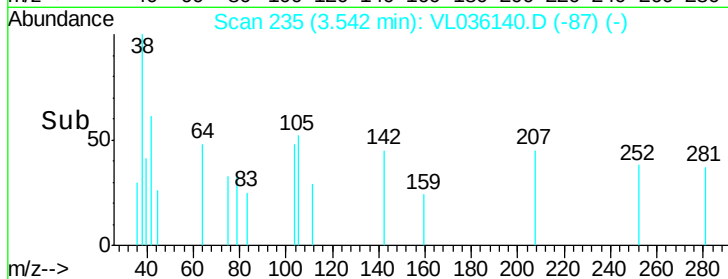
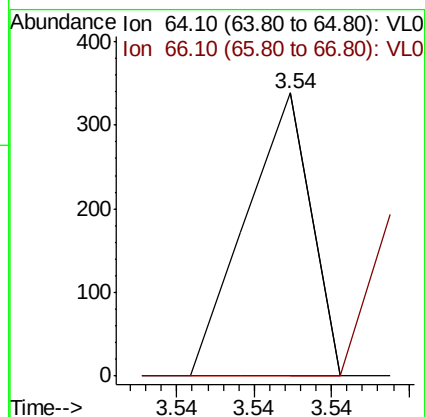
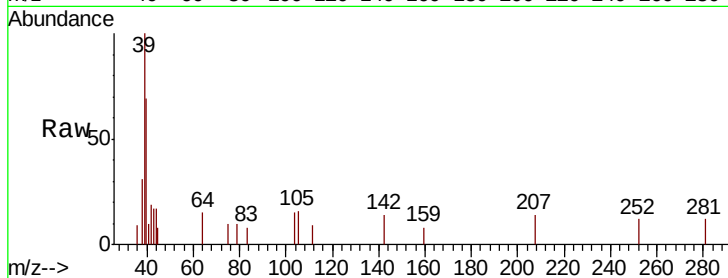
Acq: 10 Dec 2020 22:53

Tot Ion: 64 Resp: 98

Ion Ratio Lower Upper

64 100

66 0.0 27.7 41.5#



#8

Dichlorotetrafluoroethane

Concen: 0.000 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036140.D

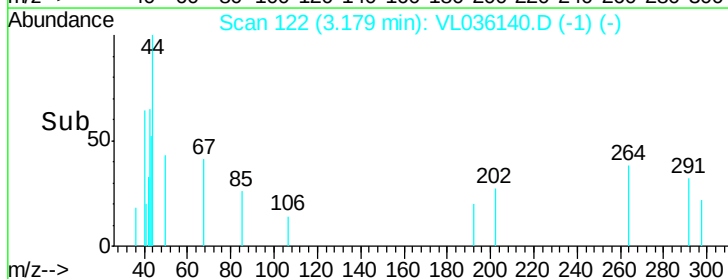
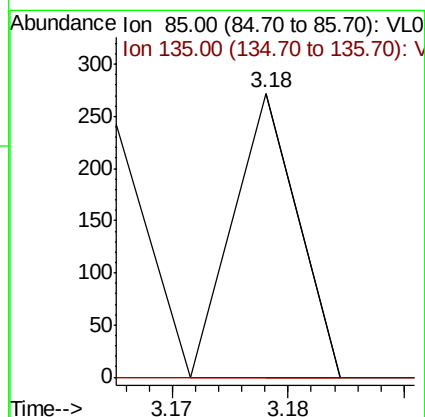
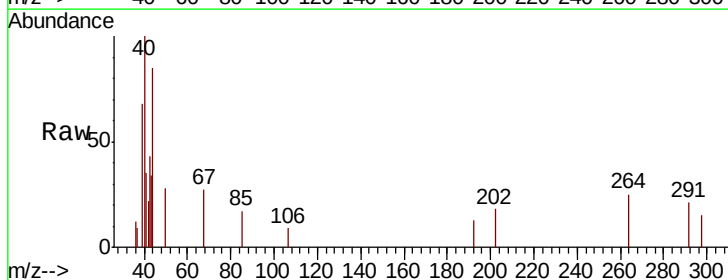
Acq: 10 Dec 2020 22:53

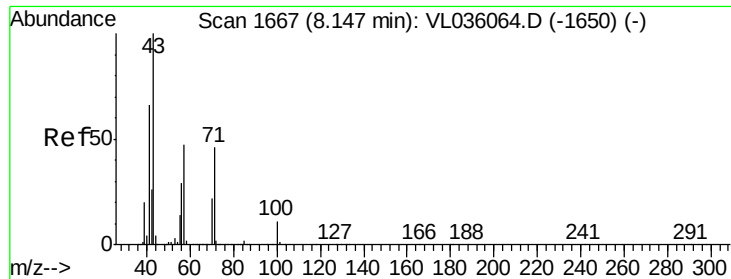
Tgt Ion: 85 Resp: 52

Ion Ratio Lower Upper

85 100

135 0.0 53.8 80.8#





#10

Heptane

Concen: 0.002 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.04 min

Lab File: VL036140.D

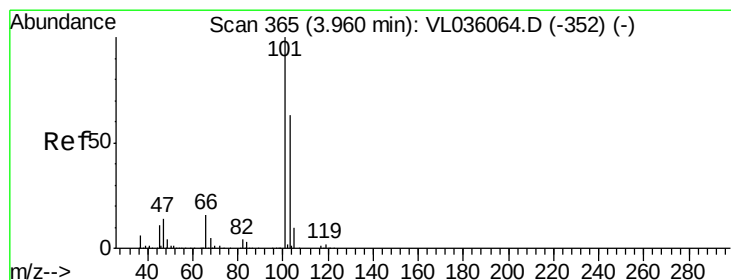
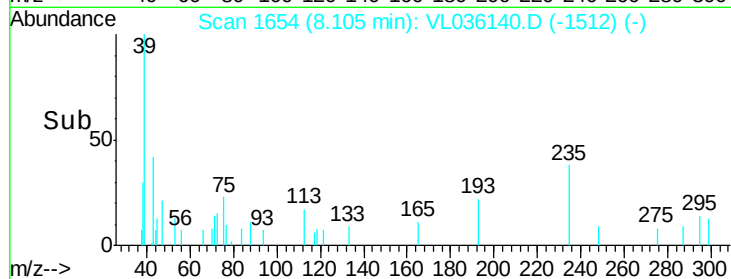
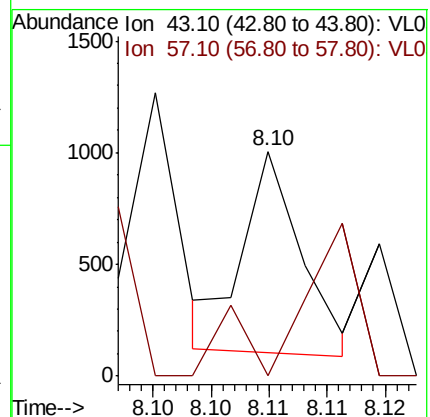
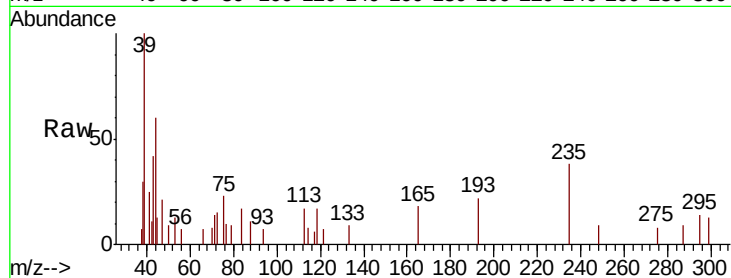
Acq: 10 Dec 2020 22:53

Tot Ion: 43 Resp: 314

Ion Ratio Lower Upper

43 100

57 0.0 37.9 56.9#



#11

Trichlorofluoromethane

Concen: 0.004 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.03 min

Lab File: VL036140.D

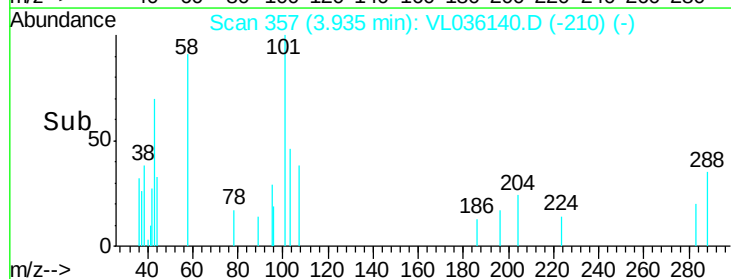
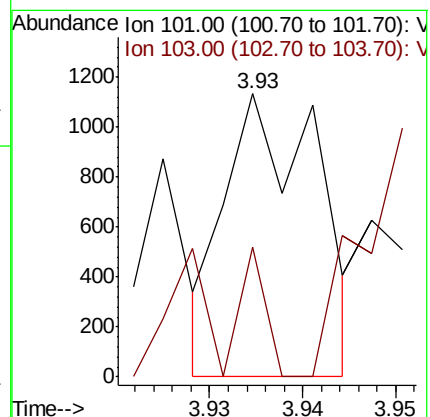
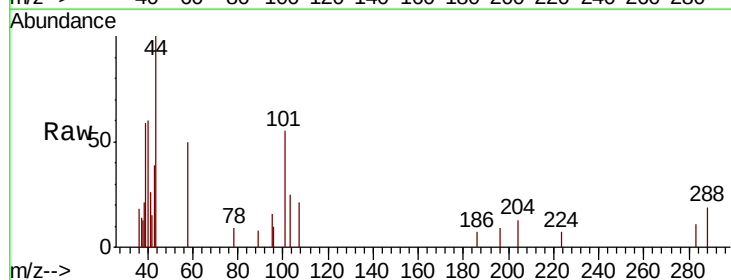
Acq: 10 Dec 2020 22:53

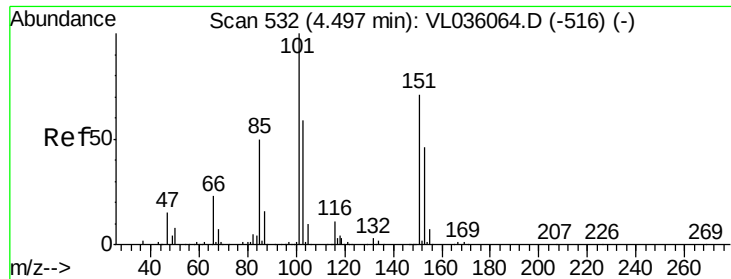
Tgt Ion: 101 Resp: 780

Ion Ratio Lower Upper

101 100

103 0.6 50.3 75.5#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.001 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.03 min

Lab File: VL036140.D

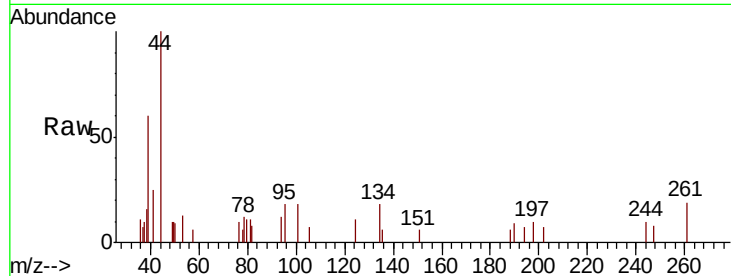
Acq: 10 Dec 2020 22:53

Tot Ion: 101 Resp: 183

Ion Ratio Lower Upper

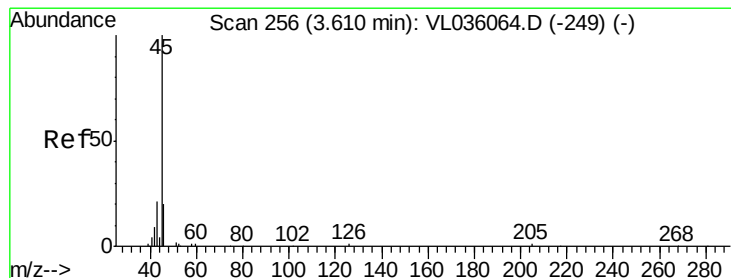
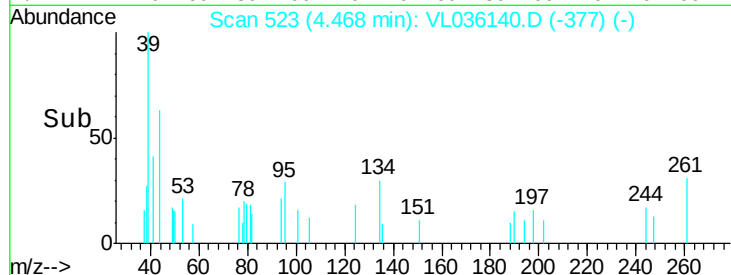
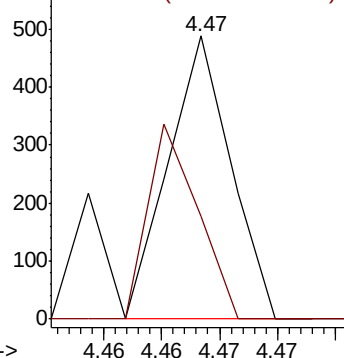
101 100

151 54.1 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: 0.015 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL036140.D

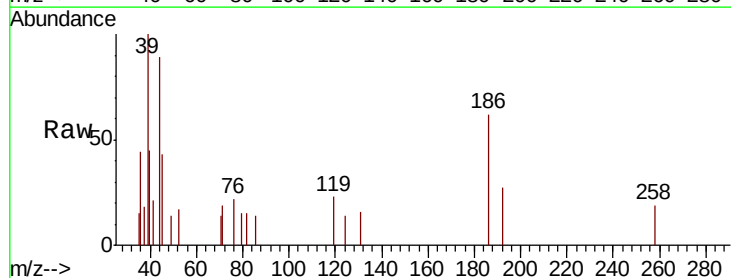
Acq: 10 Dec 2020 22:53

Tgt Ion: 45 Resp: 157

Ion Ratio Lower Upper

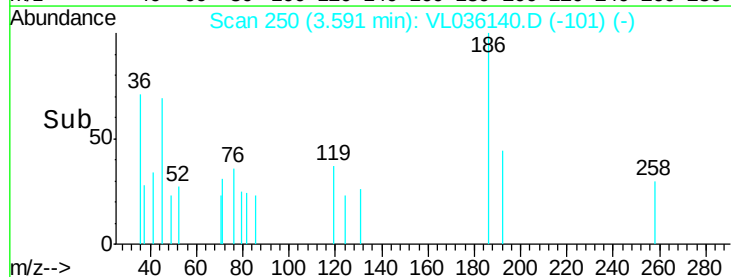
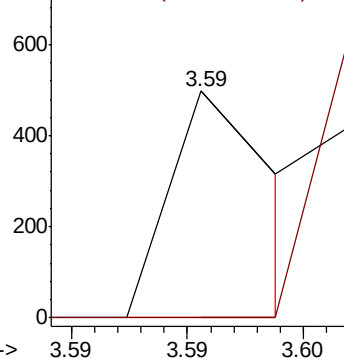
45 100

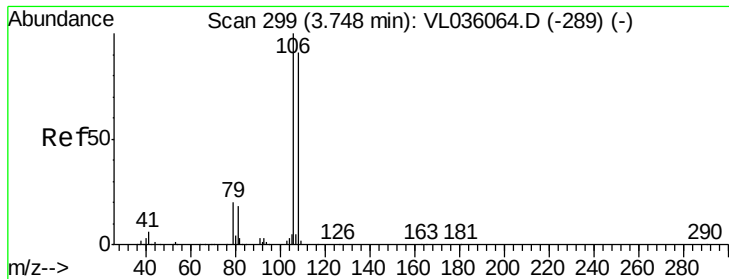
46 0.0 19.0 75.8#



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: 3.82 min Scan# 322

Delta R.T. 0.07 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

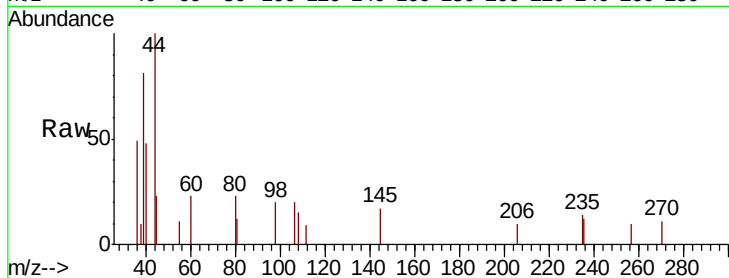
Tot Ion:108 Resp: 88

Ion Ratio Lower Upper

108 100

106 198.9 91.0 136.4#

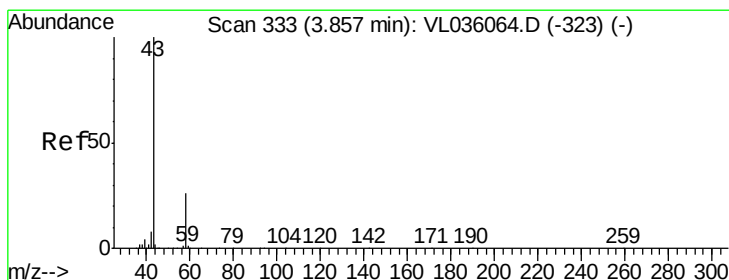
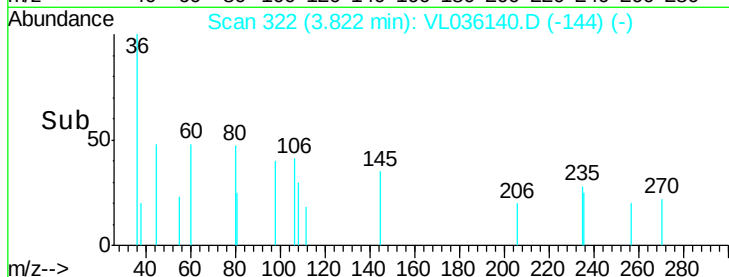
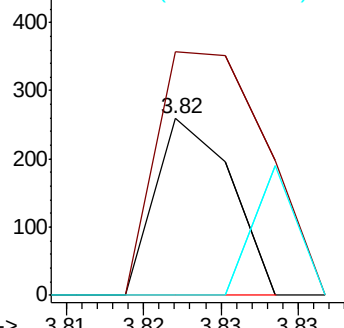
79 42.0 19.3 28.9#



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: 0.005 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036140.D

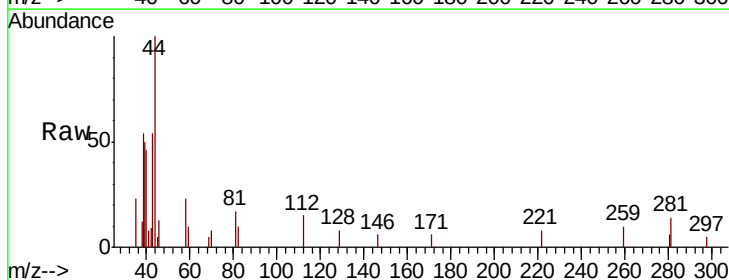
Acq: 10 Dec 2020 22:53

Tgt Ion: 43 Resp: 764

Ion Ratio Lower Upper

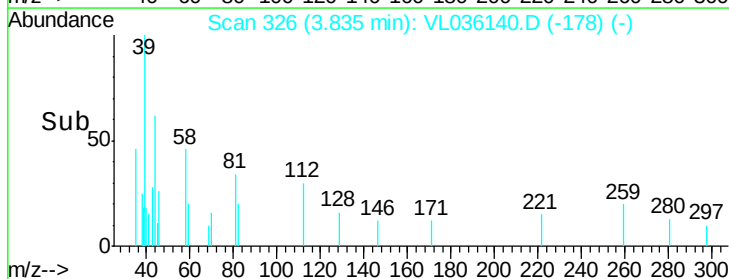
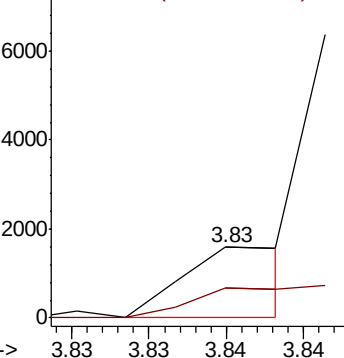
43 100

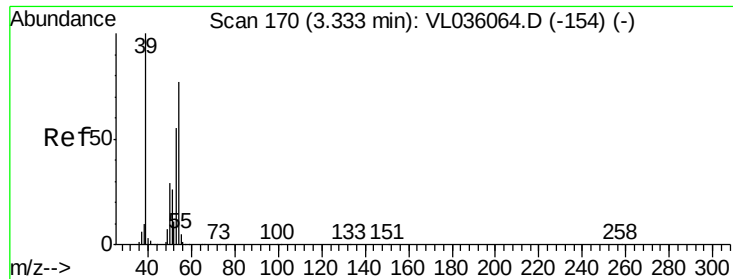
58 0.0 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#16

1,3-Butadiene

Concen: 0.006 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL036140.D

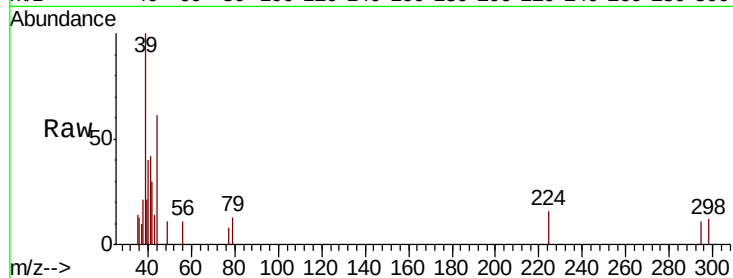
Acq: 10 Dec 2020 22:53

Tot Ion: 39 Resp: 488

Ion Ratio Lower Upper

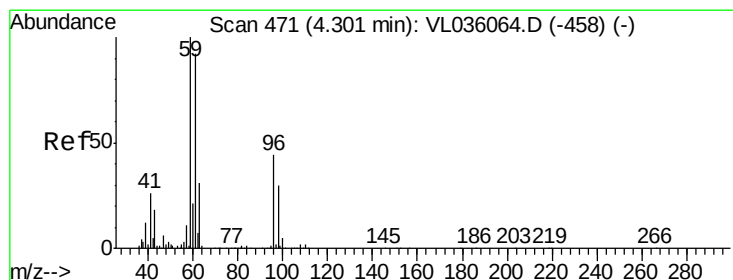
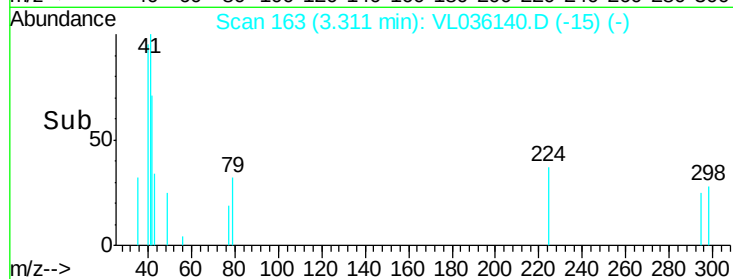
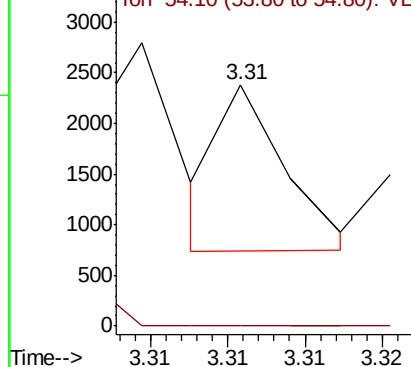
39 100

54 0.0 62.1 93.1#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



#17

tert-Butyl alcohol

Concen: 0.000 ppbv

RT: 4.30 min Scan# 471

Delta R.T. -0.00 min

Lab File: VL036140.D

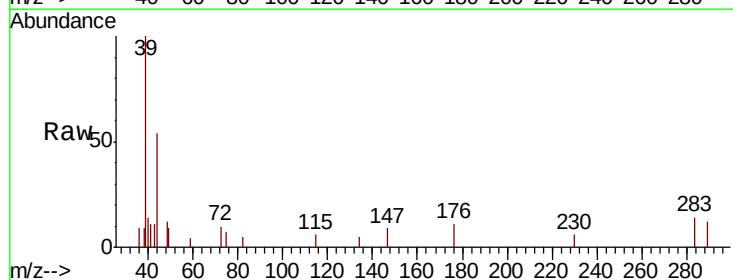
Acq: 10 Dec 2020 22:53

Tgt Ion: 59 Resp: 30

Ion Ratio Lower Upper

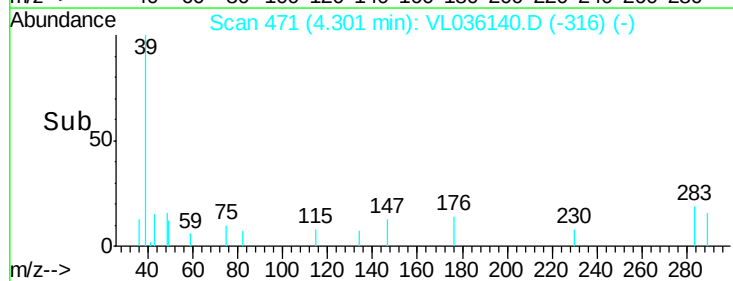
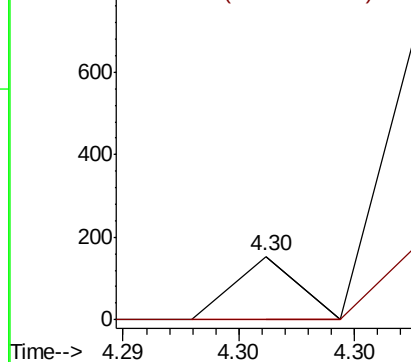
59 100

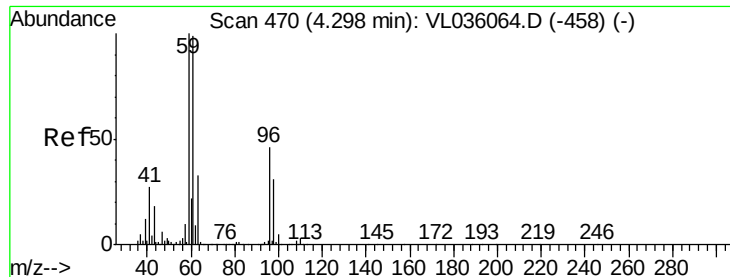
57 0.0 8.7 13.1#



Abundance Ion 59.10 (58.80 to 59.80): VL0

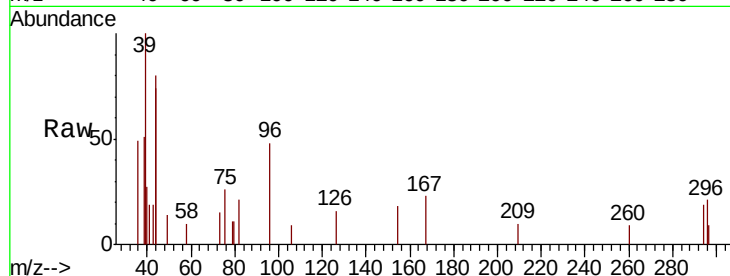
Ion 57.10 (56.80 to 57.80): VL0



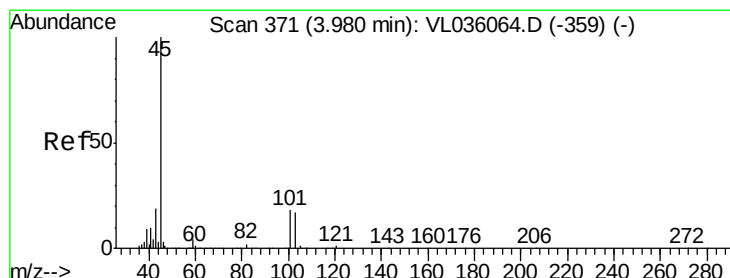
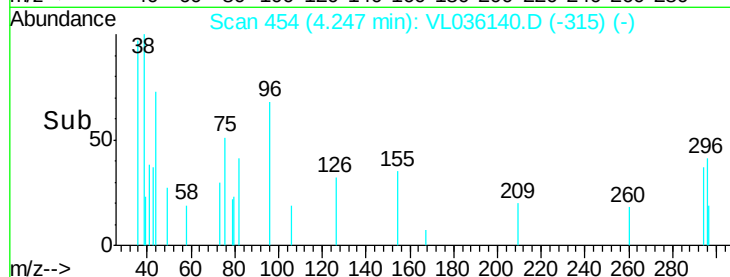
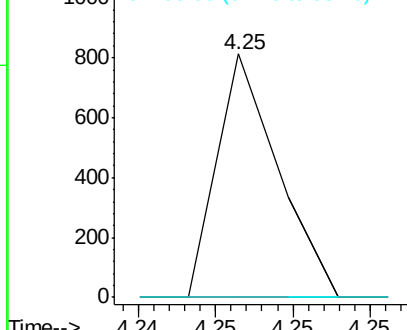


#18
 1,1-Dichloroethene
 Concen: 0.004 ppbv
 RT: 4.25 min Scan# 454
 Delta R.T. -0.05 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

Tot Ion: 96 Resp: 222
 Ion Ratio Lower Upper
 96 100
 61 0.0 171.4 257.2#
 98 0.0 54.2 81.2#

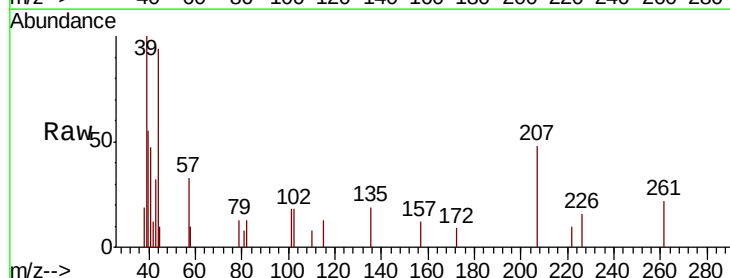


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

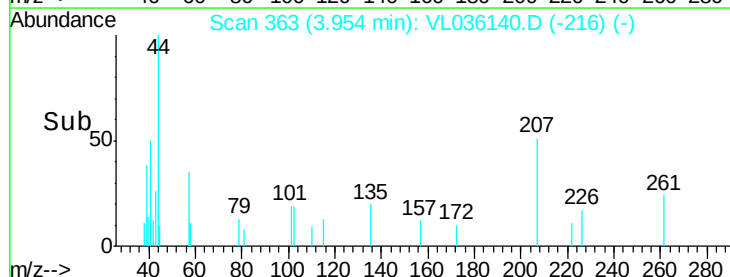
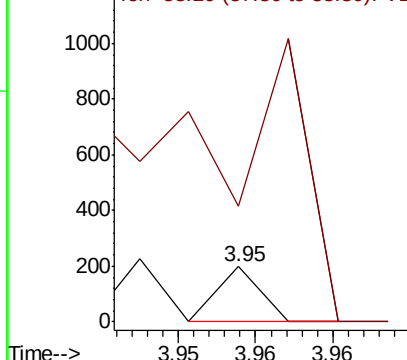


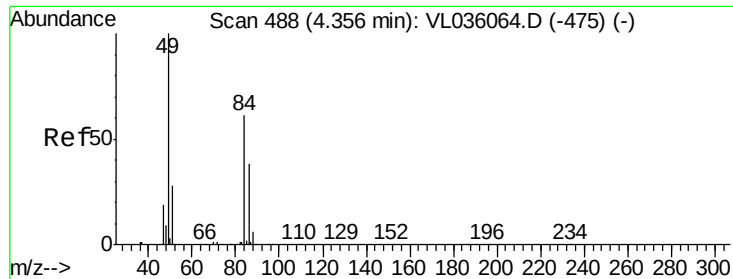
#19
 Isopropyl Alcohol
 Concen: 0.000 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. -0.03 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

Tgt Ion: 45 Resp: 38
 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: 0.371 ppbv m

RT: 4.33 min Scan# 481

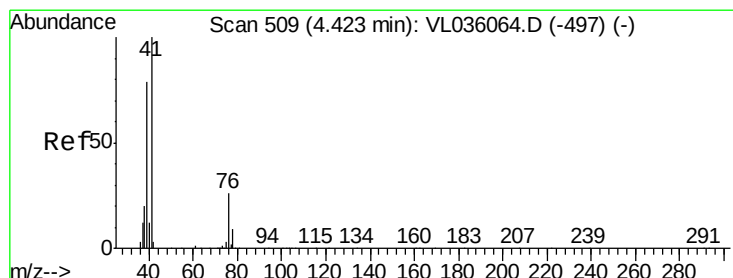
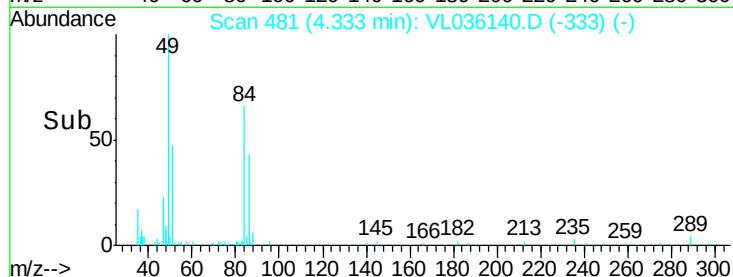
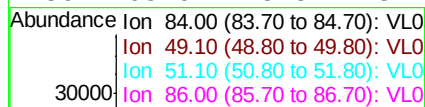
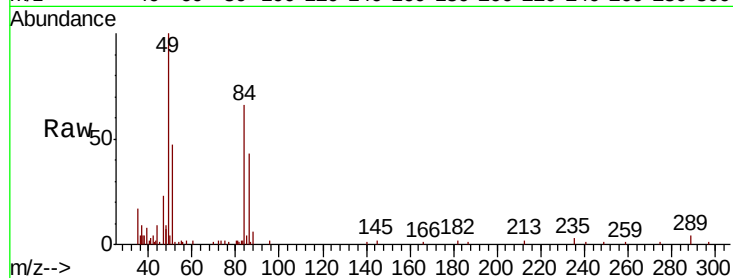
Delta R.T. -0.02 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tot Ion: 84 Resp: 24592

Ion	Ratio	Lower	Upper
84	100		
49	150.9	133.0	199.4
51	70.5	38.9	58.3#
86	65.0	48.8	73.2



#21

Allyl Chloride

Concen: 0.002 ppbv

RT: 4.39 min Scan# 500

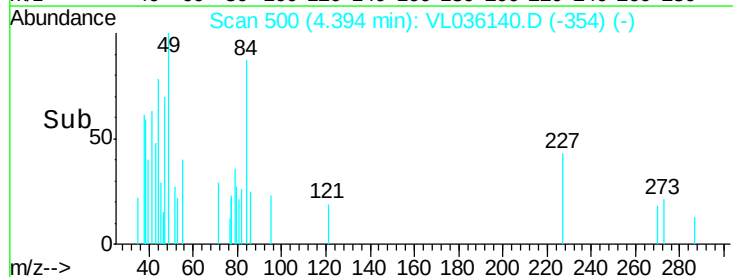
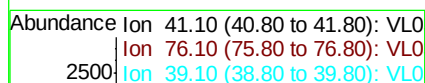
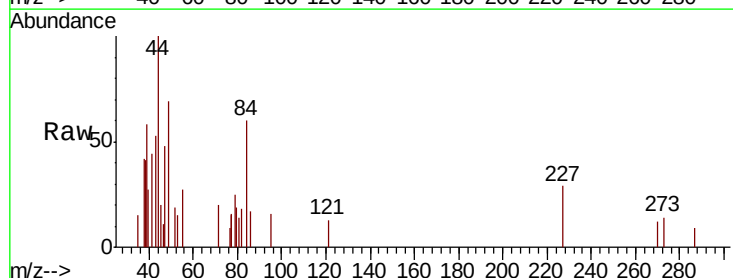
Delta R.T. -0.03 min

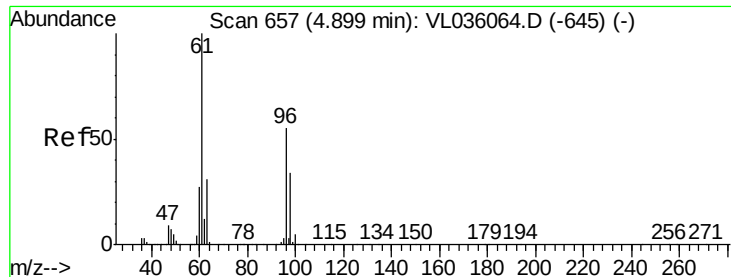
Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tgt Ion: 41 Resp: 237

Ion	Ratio	Lower	Upper
41	100		
76	25.3	21.0	31.4
39	0.0	66.0	99.0#





#22

trans-1,2-Dichloroethene

Concen: 0.005 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.03 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

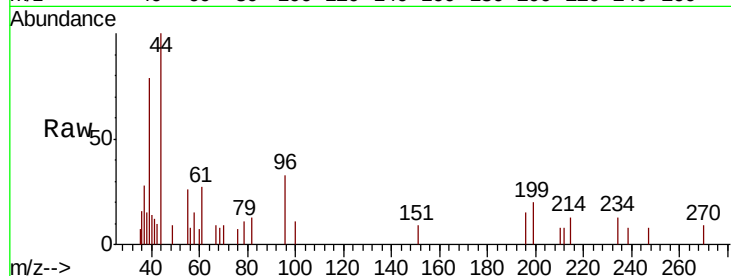
Tot Ion: 96 Resp: 299

Ion Ratio Lower Upper

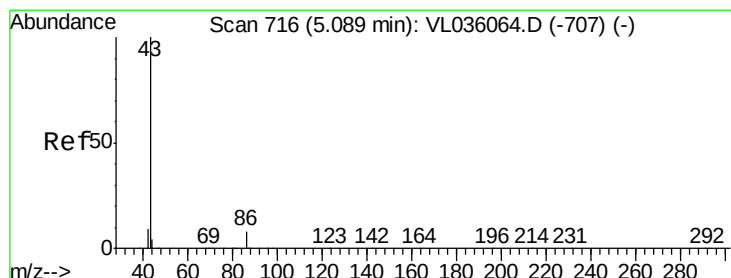
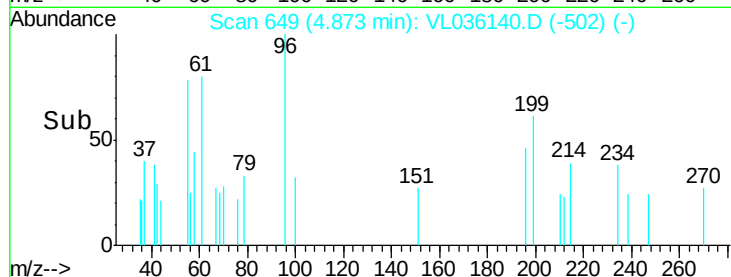
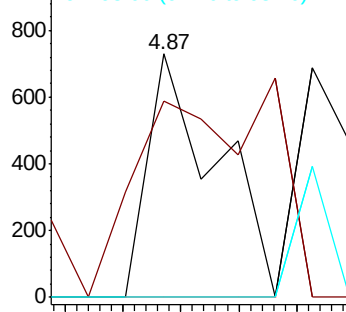
96 100

61 37.0 145.7 218.5#

98 0.0 49.2 73.8#



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



#23

Vinyl Acetate

Concen: 0.004 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tgt Ion: 43 Resp: 951

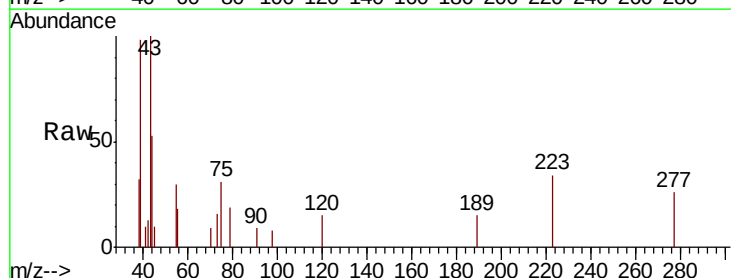
Ion Ratio Lower Upper

43 100

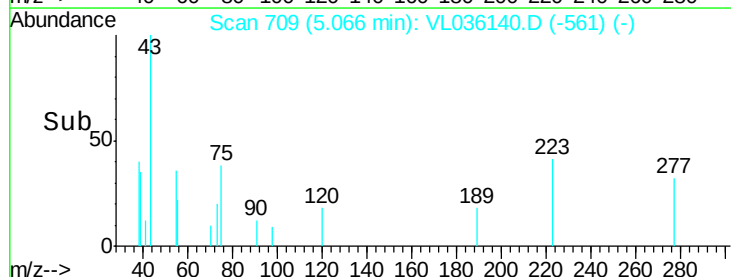
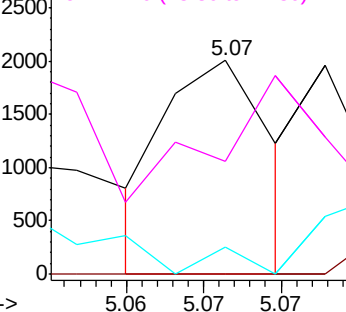
86 0.0 5.0 7.4#

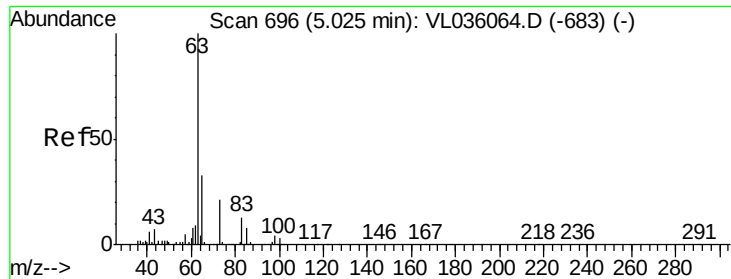
42 11.5 7.8 11.6

44 17.3 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

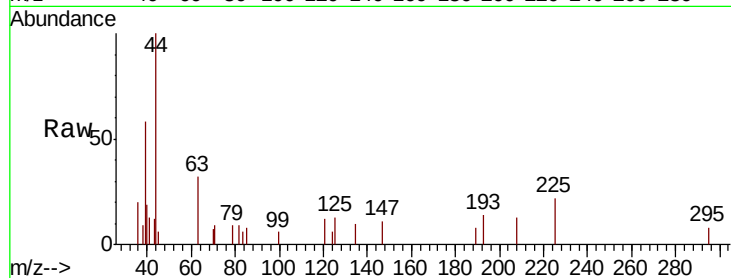
RT: 4.99 min Scan# 685

Delta R.T. -0.04 min

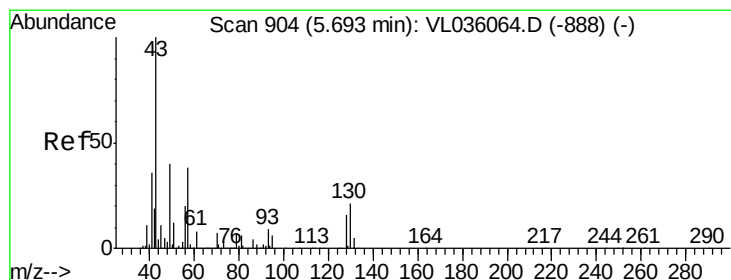
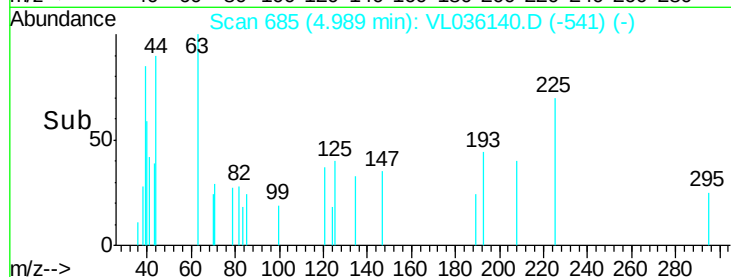
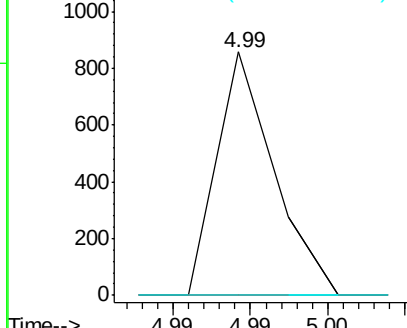
Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tot Ion:	63	Resp:	219
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: 0.005 ppbv

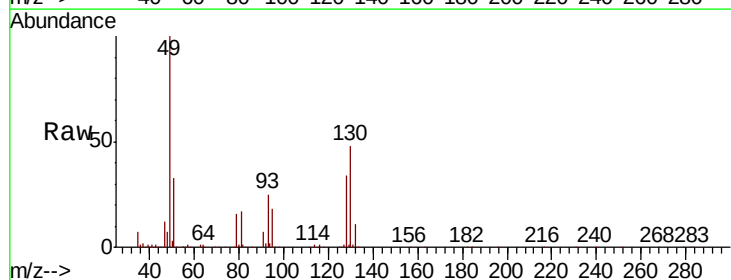
RT: 5.66 min Scan# 894

Delta R.T. -0.03 min

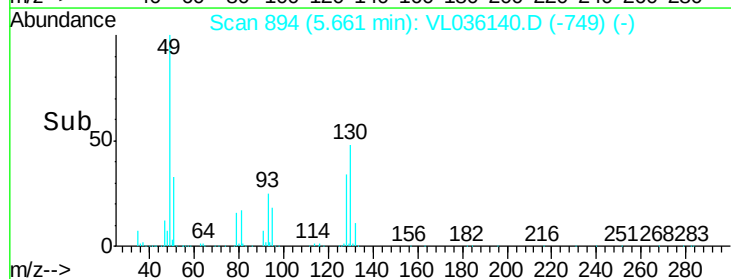
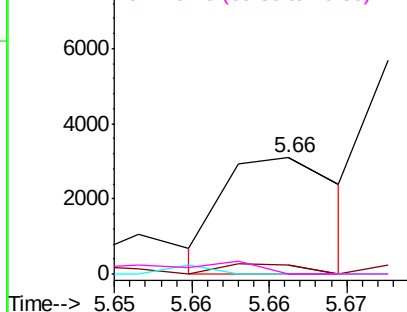
Lab File: VL036140.D

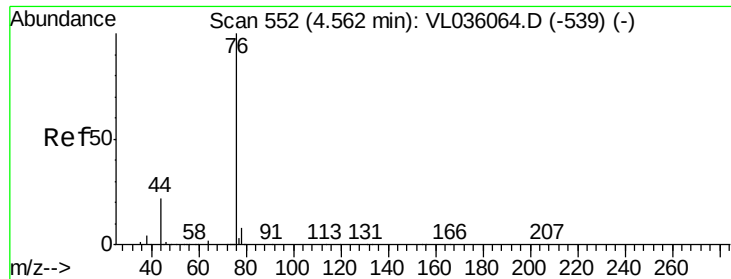
Acq: 10 Dec 2020 22:53

Tgt Ion:	43	Resp:	1622
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	4.6	7.4	11.2#
70	14.4	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





#27

Carbon Disulfide

Concen: 0.003 ppbv

RT: 4.54 min Scan# 546

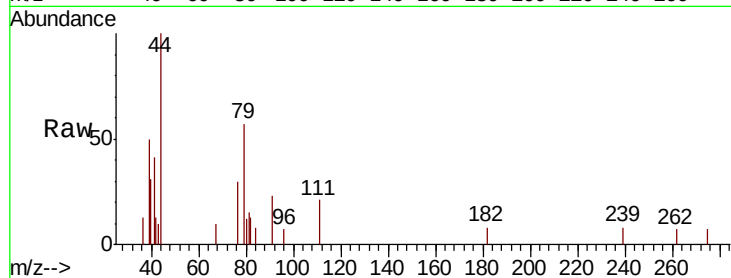
Delta R.T. -0.02 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tot Ion: 76 Resp: 422

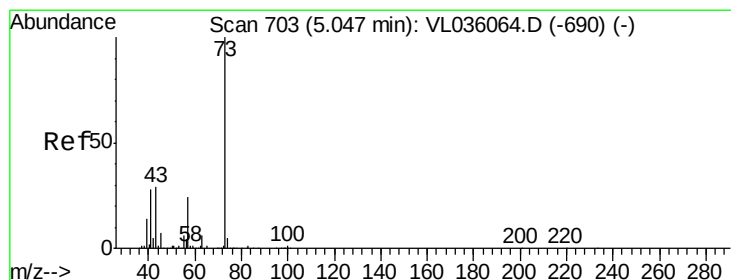
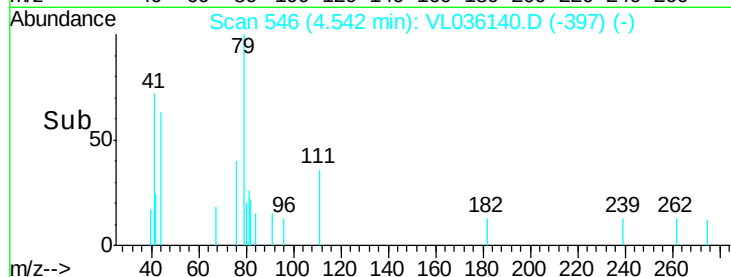
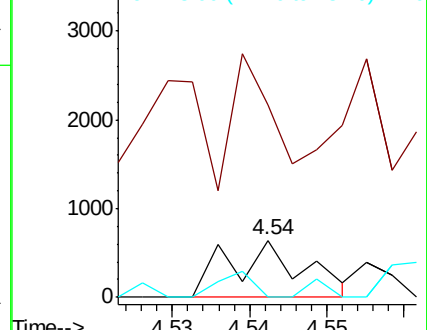
Ion	Ratio	Lower	Upper
76	100		
44	743.8	17.9	26.9#
78	0.0	7.8	11.8#



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: 5.04 min Scan# 700

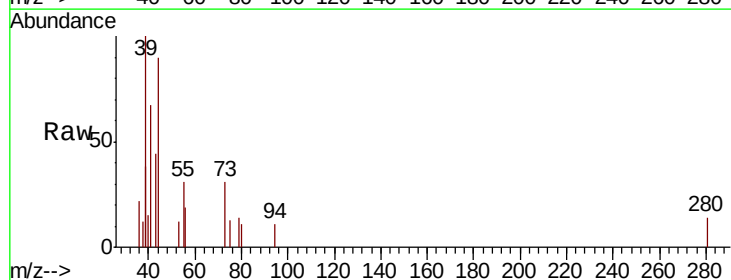
Delta R.T. -0.01 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

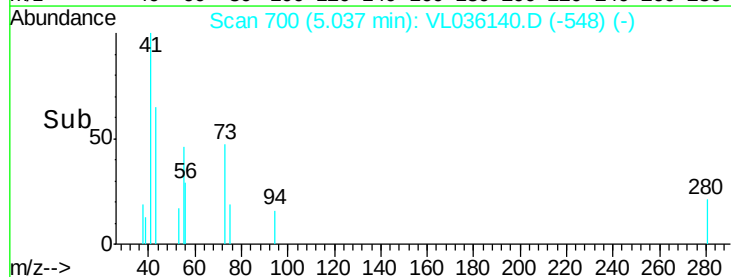
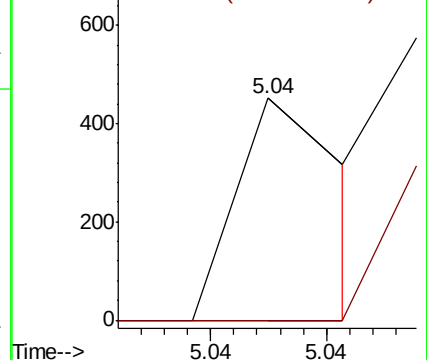
Tgt Ion: 73 Resp: 148

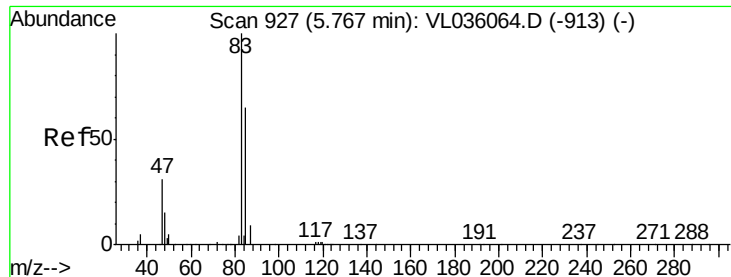
Ion	Ratio	Lower	Upper
73	100		
57	0.0	19.2	28.8#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.002 ppbv

RT: 5.73 min Scan# 914

Delta R.T. -0.04 min

Lab File: VL036140.D

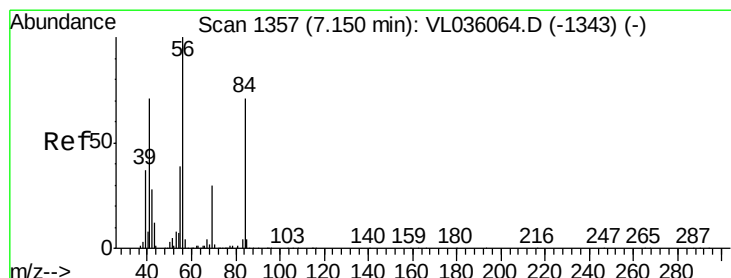
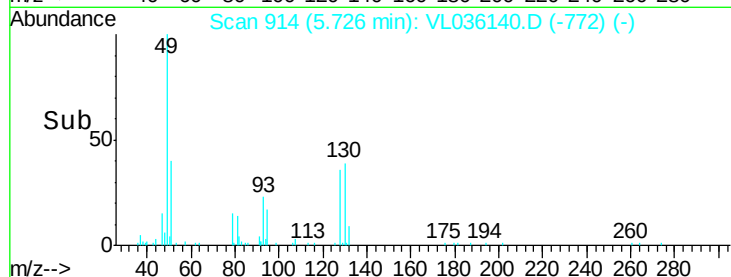
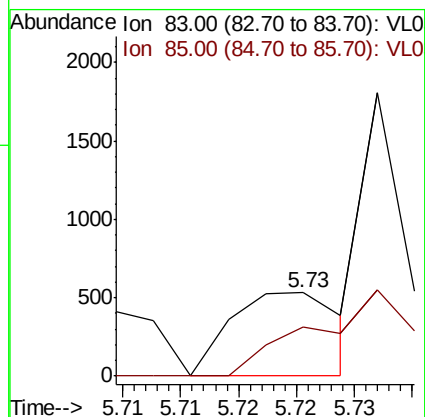
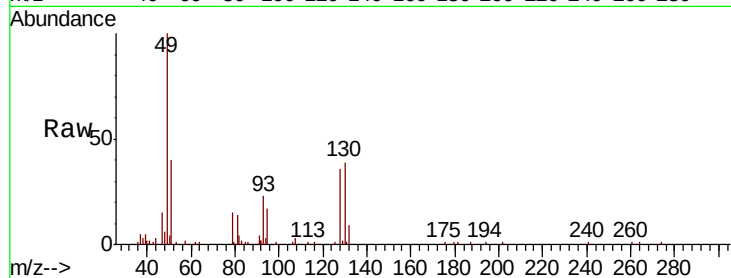
Acq: 10 Dec 2020 22:53

Tot Ion: 83 Resp: 348

Ion Ratio Lower Upper

83 100

85 59.8 51.8 77.6



#30

Cyclohexane

Concen: 0.002 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.03 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

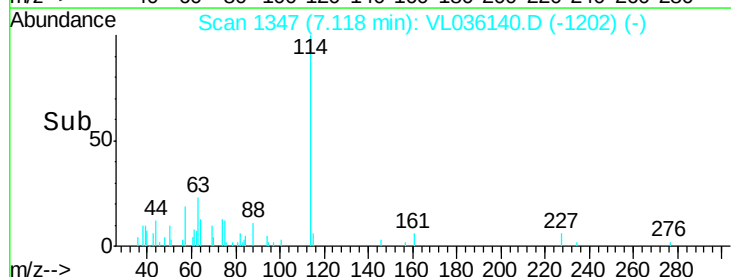
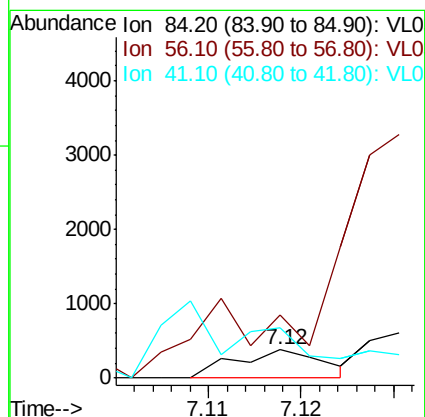
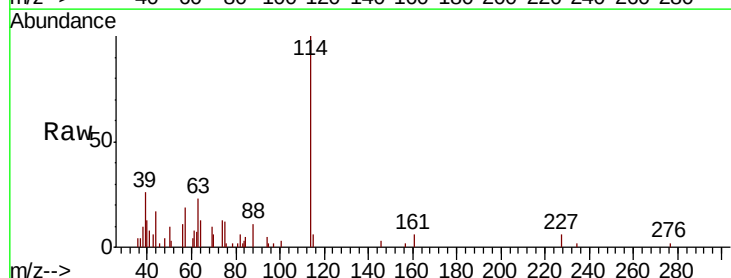
Tgt Ion: 84 Resp: 248

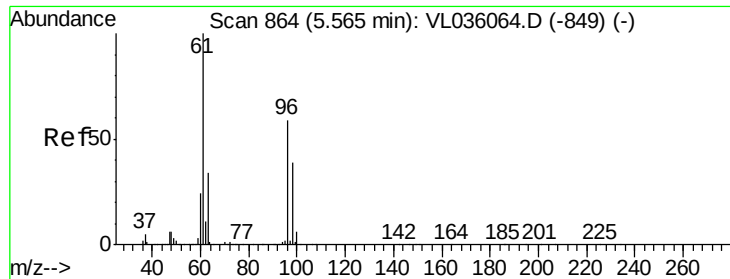
Ion Ratio Lower Upper

84 100

56 0.0 128.0 192.0#

41 0.0 81.3 121.9#

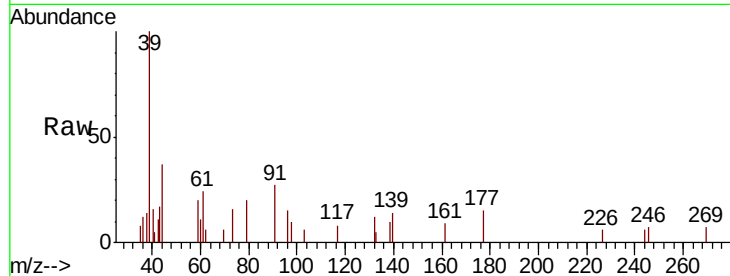




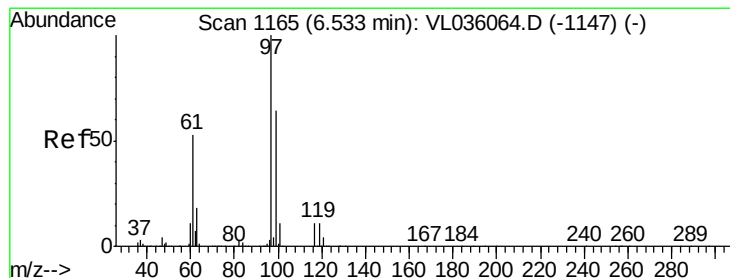
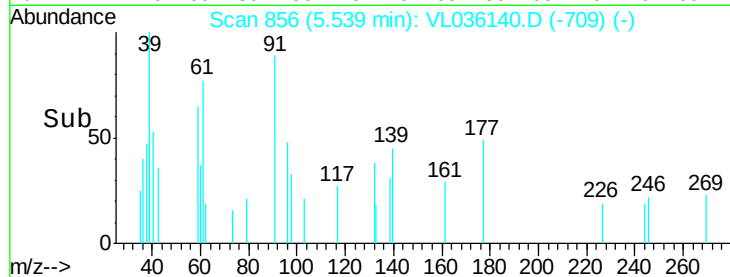
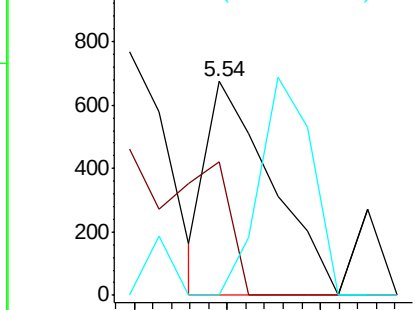
#31

cis-1,2-Dichloroethene
Concen: 0.002 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.03 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.8	47.3	70.9
98	0.0	31.4	47.0#



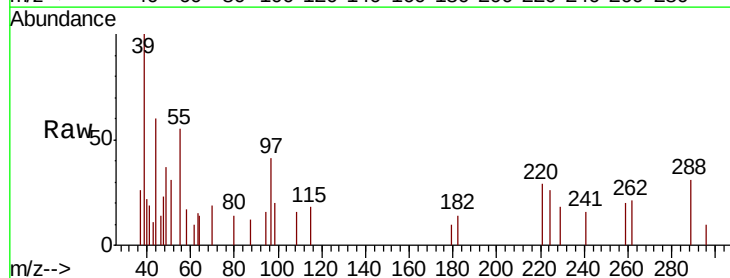
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



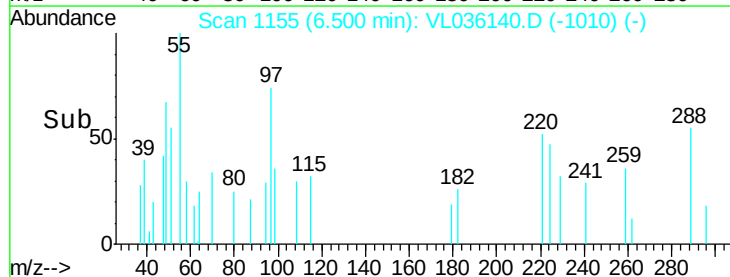
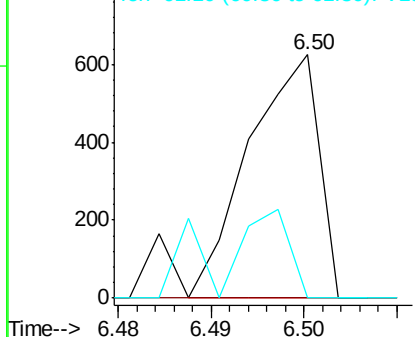
#32

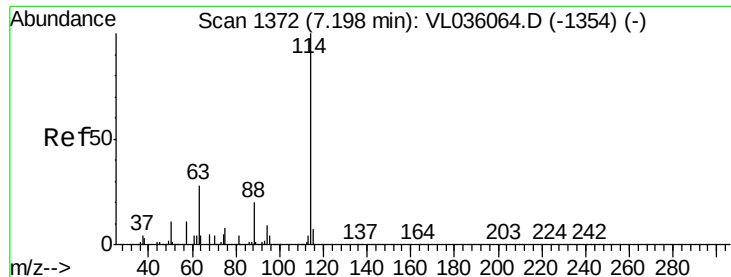
1,1,1-Trichloroethane
Concen: 0.002 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.03 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

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



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

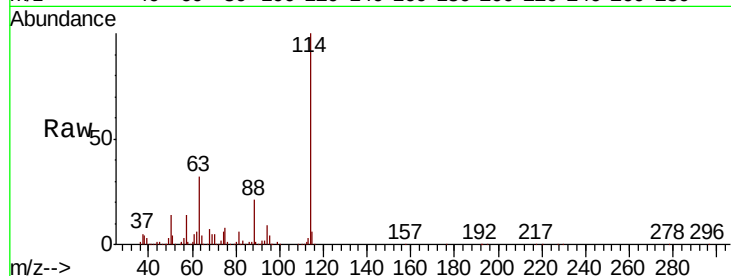
Tot Ion:114 Resp: 2661779

Ion Ratio Lower Upper

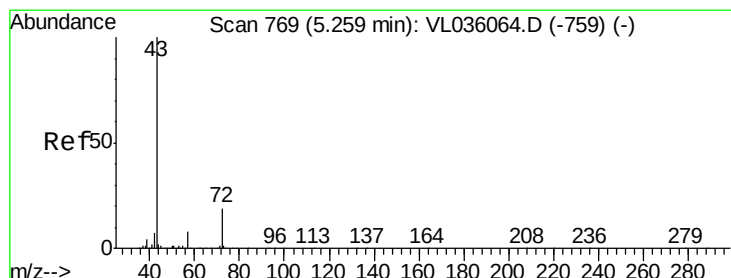
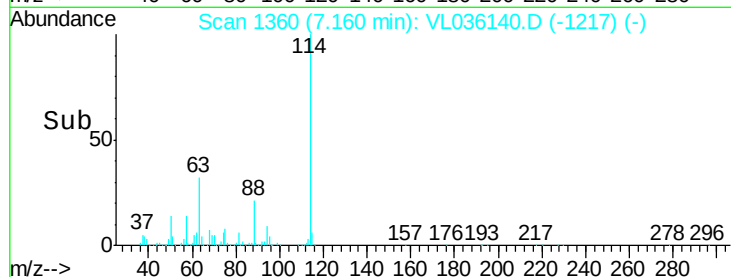
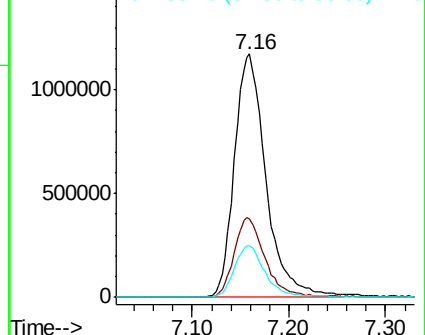
114 100

63 32.6 23.6 35.4

88 21.1 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: 0.005 ppbv

RT: 5.22 min Scan# 757

Delta R.T. -0.04 min

Lab File: VL036140.D

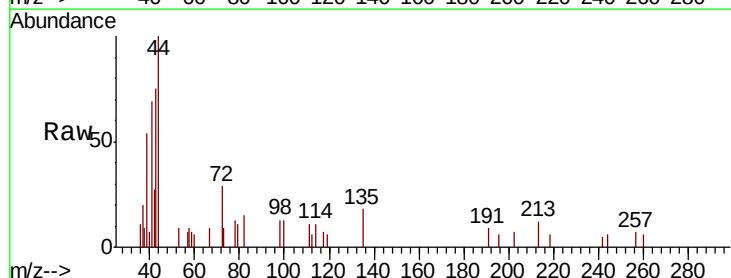
Acq: 10 Dec 2020 22:53

Tgt Ion: 43 Resp: 829

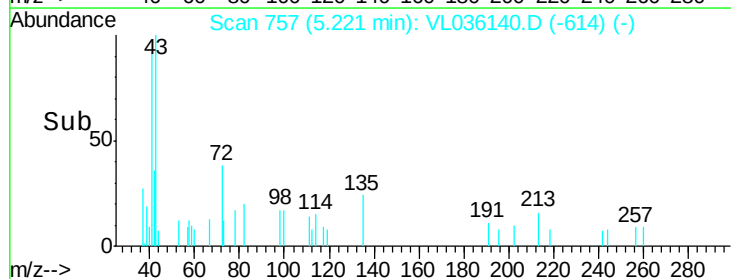
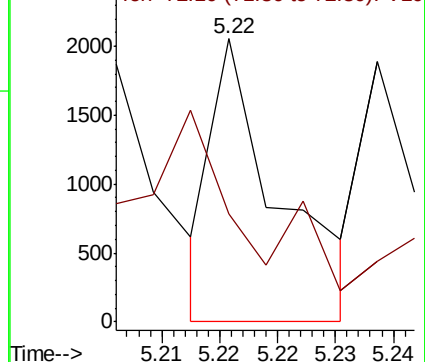
Ion Ratio Lower Upper

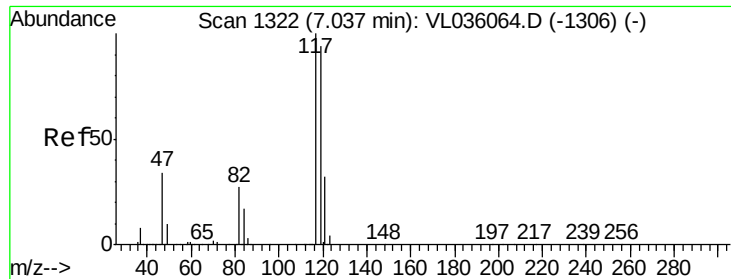
43 100

72 224.7 16.5 24.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.000 ppbv

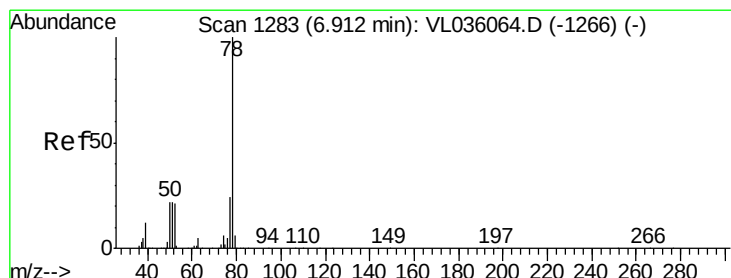
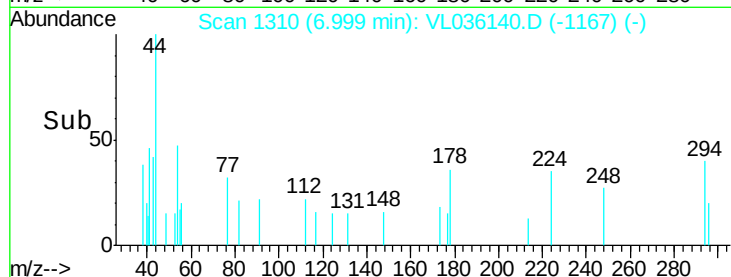
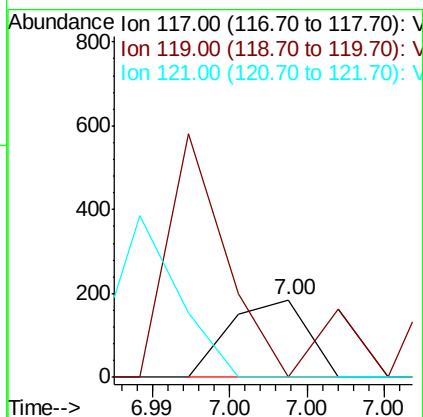
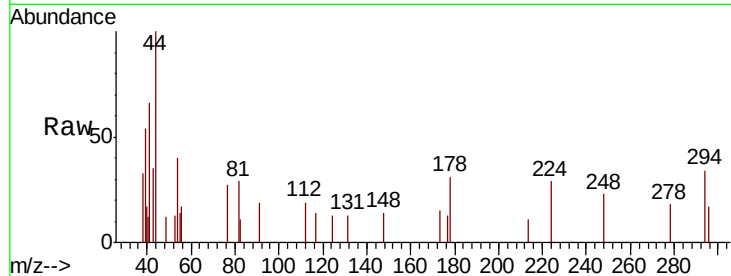
RT: 7.00 min Scan# 1310

Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tot Ion:	117	Resp:	65
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.1	112.7#
121	0.0	25.6	38.4#



#36

Benzene

Concen: 0.009 ppbv

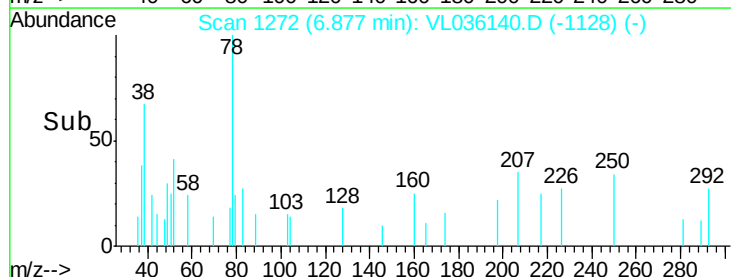
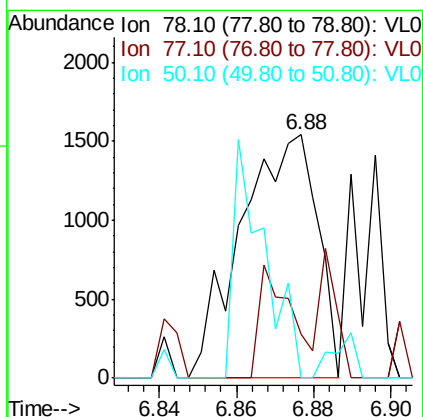
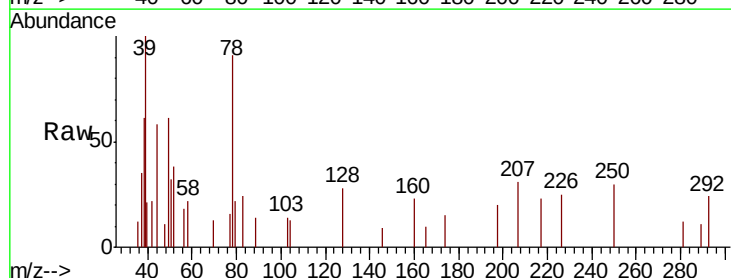
RT: 6.88 min Scan# 1272

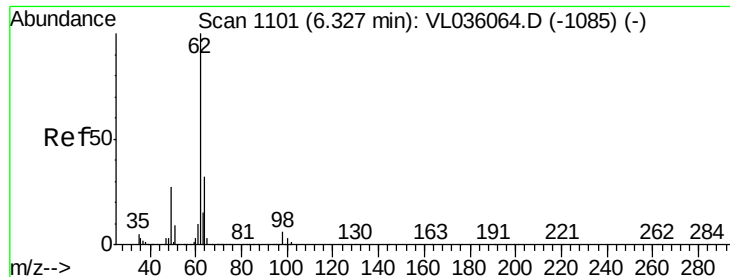
Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tgt Ion:	78	Resp:	2114
Ion	Ratio	Lower	Upper
78	100		
77	18.1	19.4	29.2#
50	35.1	17.8	26.8#





#37

1,2-Dichloroethane

Concen: 0.011 ppbv

RT: 6.29 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VL036140.D

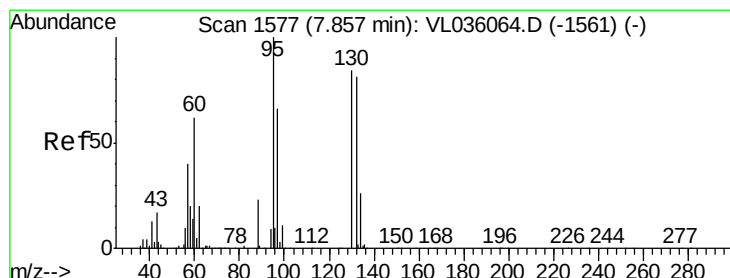
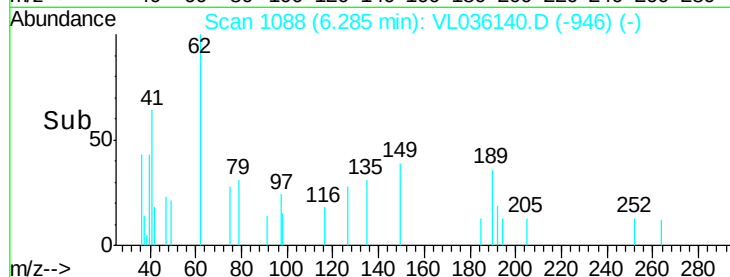
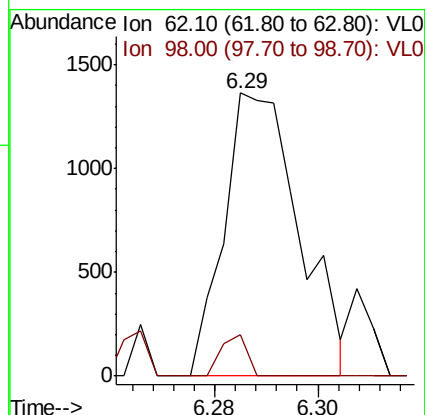
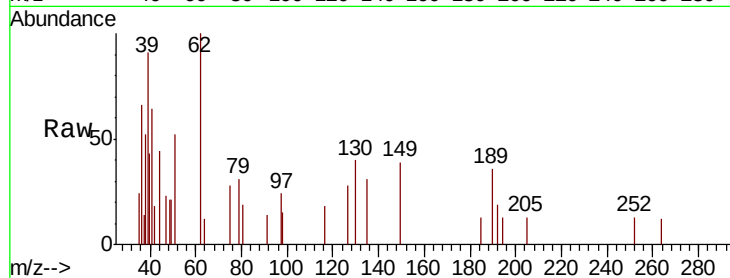
Acq: 10 Dec 2020 22:53

Tot Ion: 62 Resp: 1376

Ion Ratio Lower Upper

62 100

98 0.0 4.6 7.0#



#38

Trichloroethene

Concen: 0.006 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tgt Ion: 130 Resp: 486

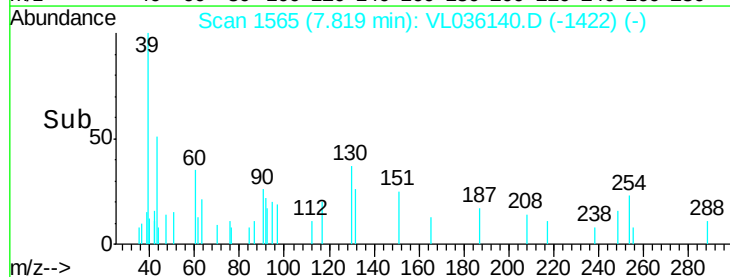
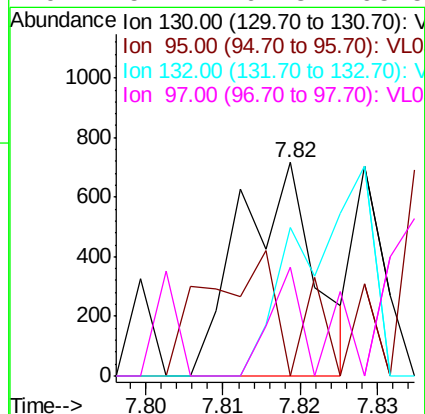
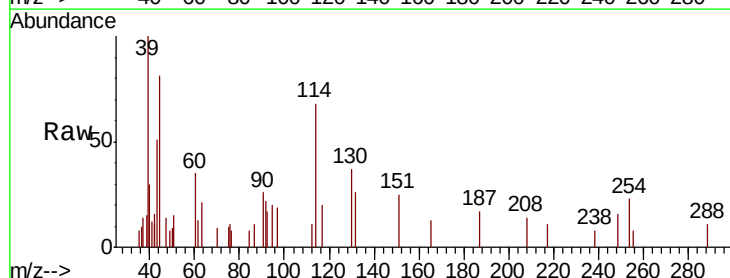
Ion Ratio Lower Upper

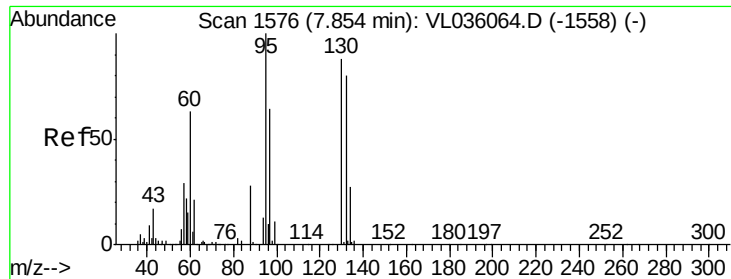
130 100

95 0.0 95.2 142.8#

132 69.3 76.9 115.3#

97 51.2 62.3 93.5#





#40

1,4-Dioxane

Concen: 0.007 ppbv

RT: 7.83 min Scan# 1567

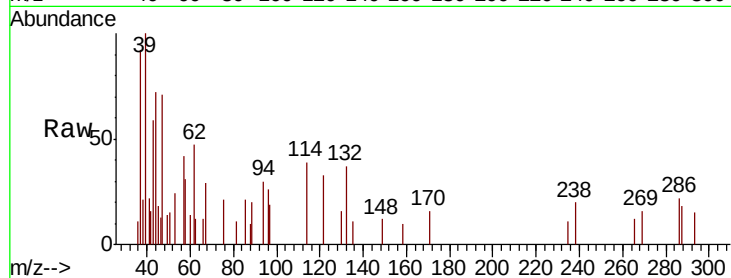
Delta R.T. -0.03 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tot Ion: 88 Resp: 188

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

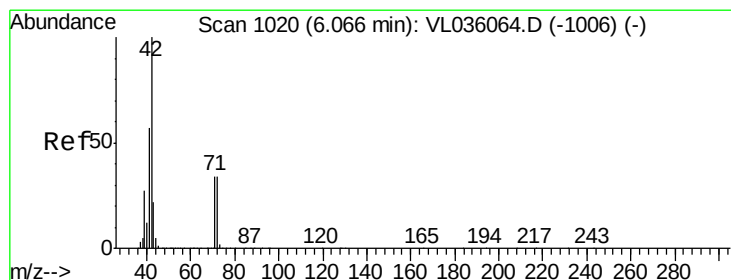
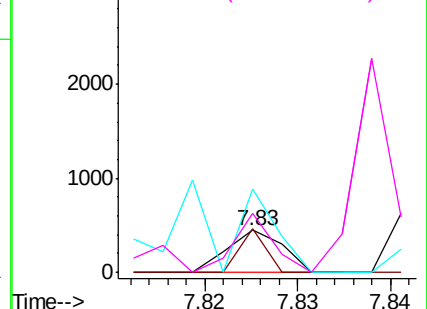
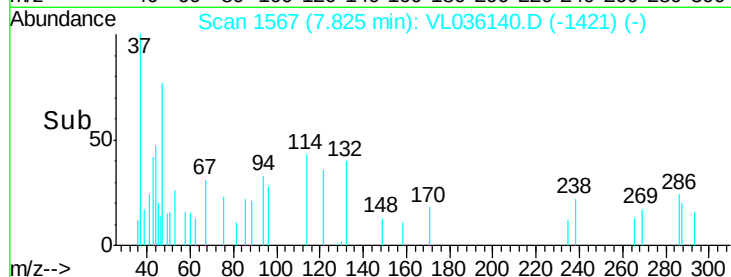


Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.000 ppbv

RT: 6.03 min Scan# 1009

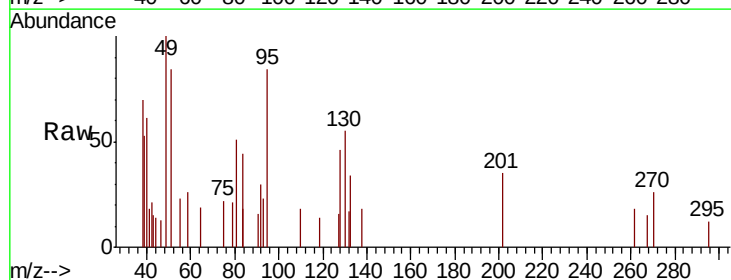
Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tgt Ion: 42 Resp: 50

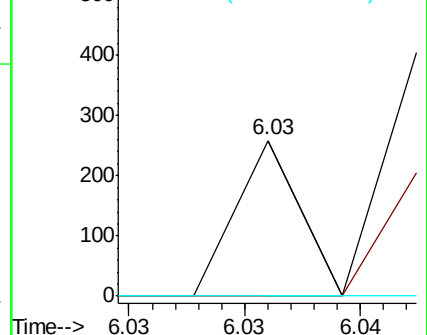
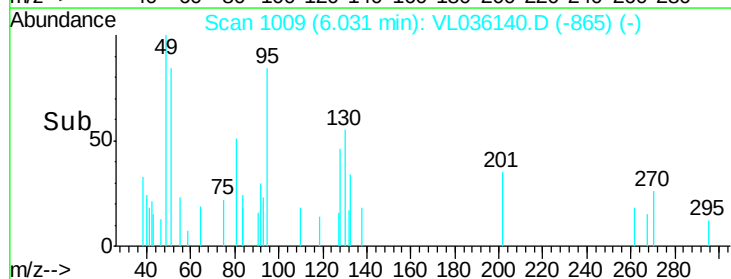
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.3	42.5#
71	0.0	27.3	40.9#

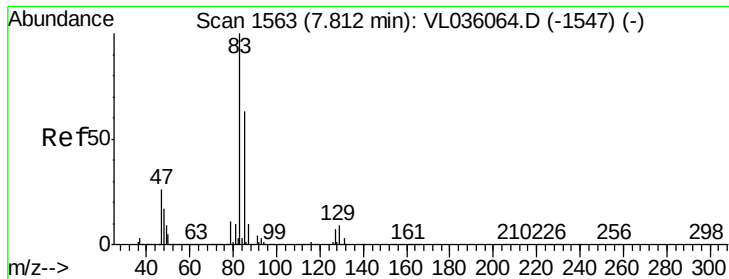


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.003 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

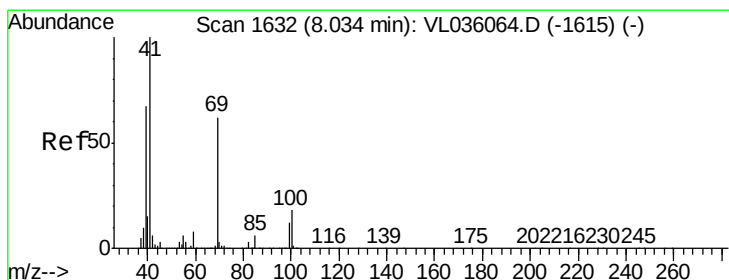
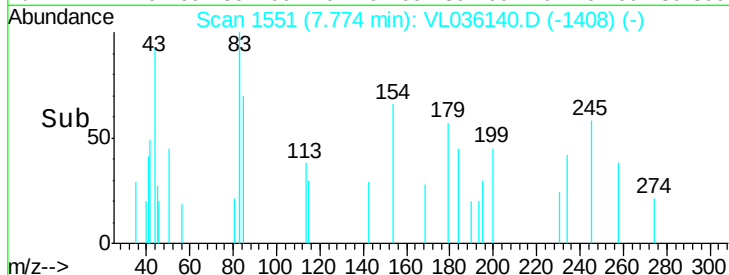
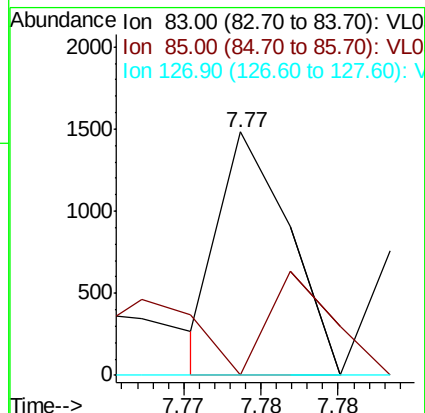
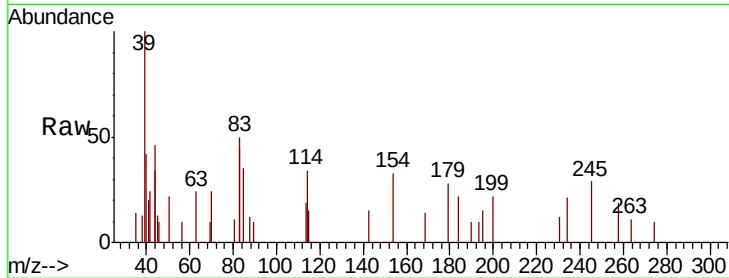
Tot Ion: 83 Resp: 461

Ion Ratio Lower Upper

83 100

85 0.0 50.2 75.2#

127 0.0 5.5 8.3#



#43

Methyl Methacrylate

Concen: 0.001 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

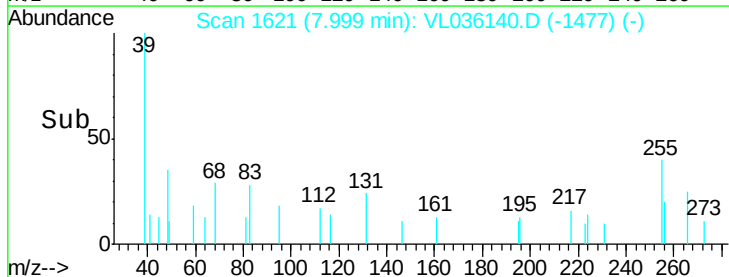
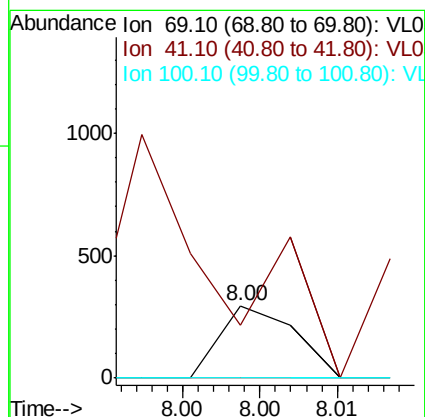
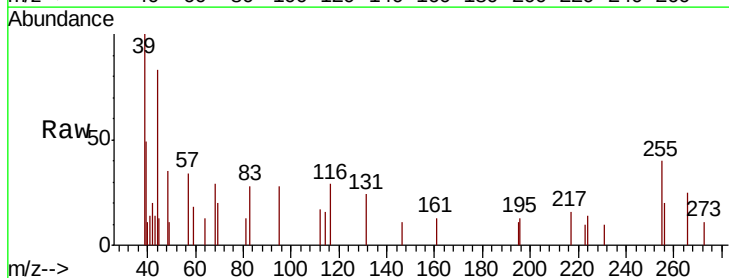
Tgt Ion: 69 Resp: 99

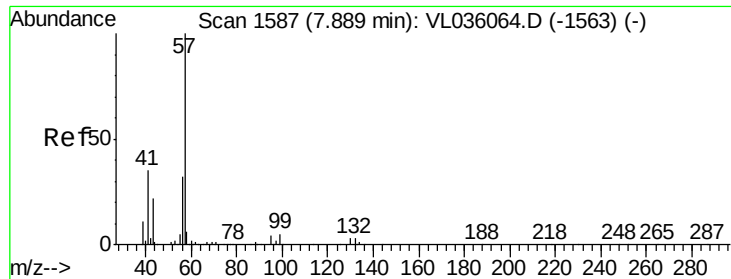
Ion Ratio Lower Upper

69 100

41 1905.1 133.0 199.6#

100 0.0 25.4 38.0#





#44

2,2,4-Trimethylpentane

Concen: 0.002 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.05 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

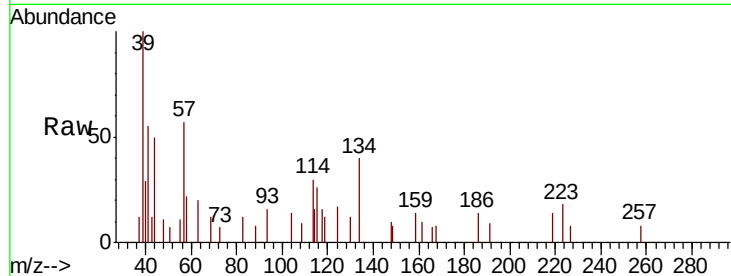
Tot Ion: 57 Resp: 654

Ion Ratio Lower Upper

57 100

41 0.0 28.9 43.3#

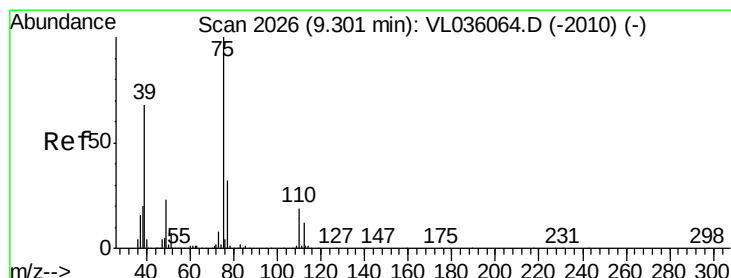
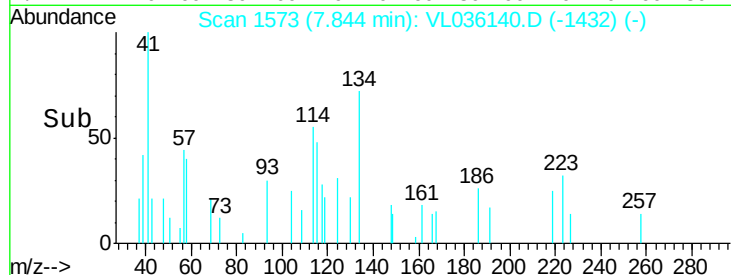
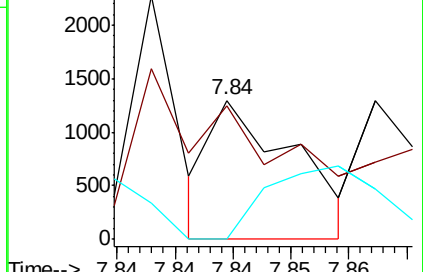
56 0.0 25.3 37.9#



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: 0.003 ppbv

RT: 9.25 min Scan# 2009

Delta R.T. -0.05 min

Lab File: VL036140.D

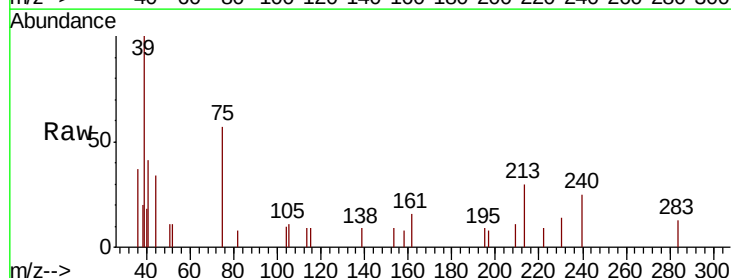
Acq: 10 Dec 2020 22:53

Tgt Ion: 75 Resp: 292

Ion Ratio Lower Upper

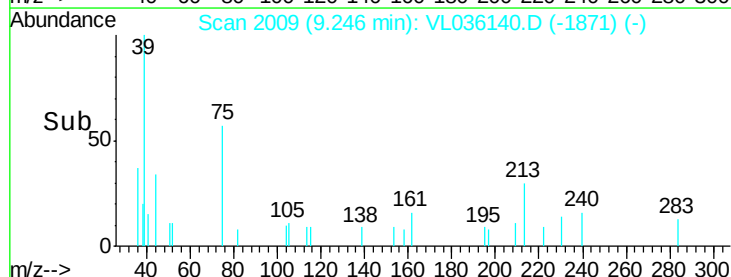
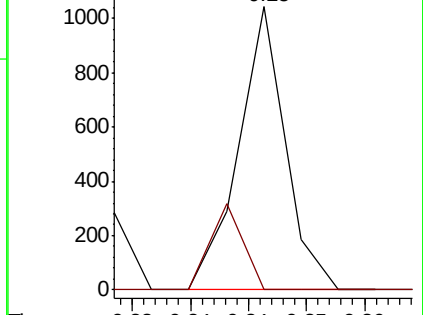
75 100

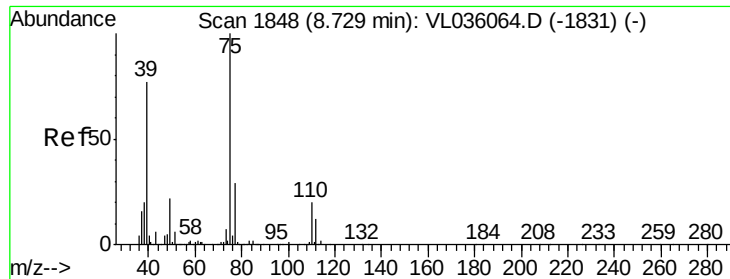
77 0.0 26.0 39.0#



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: 8.69 min Scan# 1837

Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

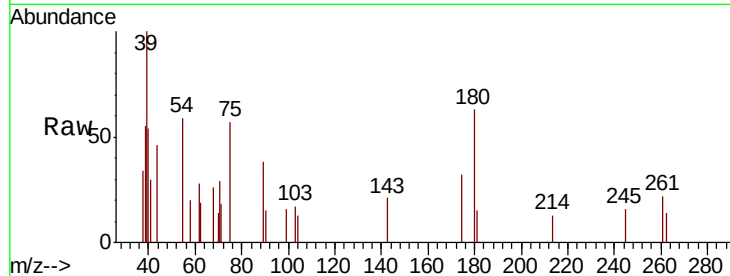
Tot Ion: 75 Resp: 171

Ion Ratio Lower Upper

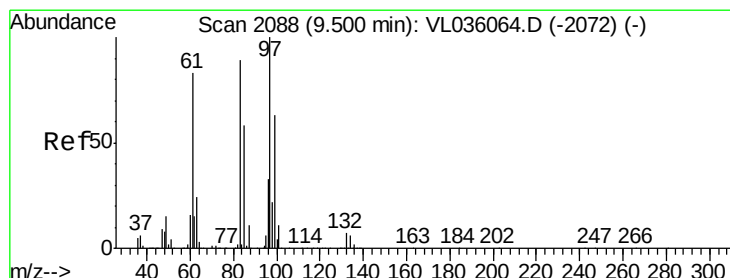
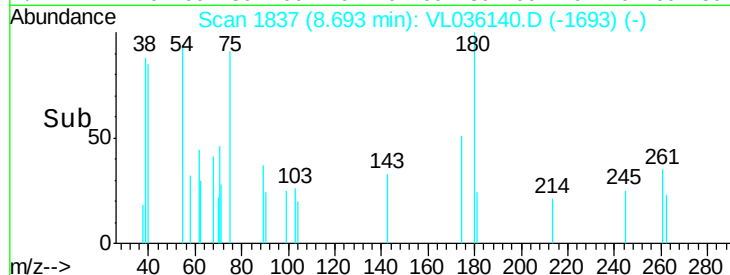
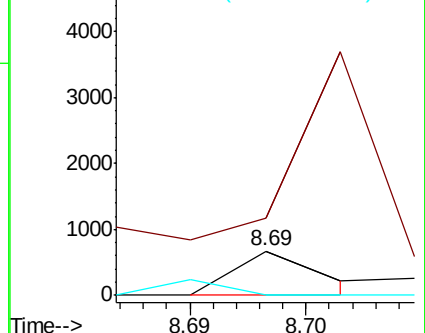
75 100

39 49.3 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# 2070

Delta R.T. -0.06 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tgt Ion: 97 Resp: 123

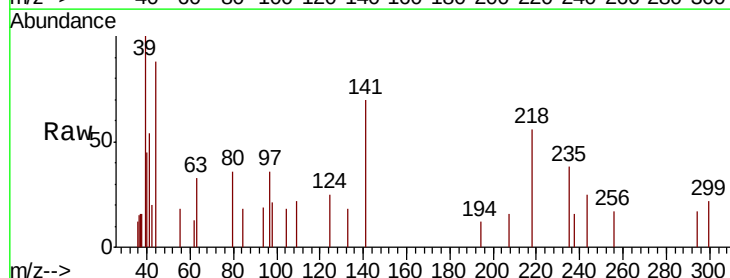
Ion Ratio Lower Upper

97 100

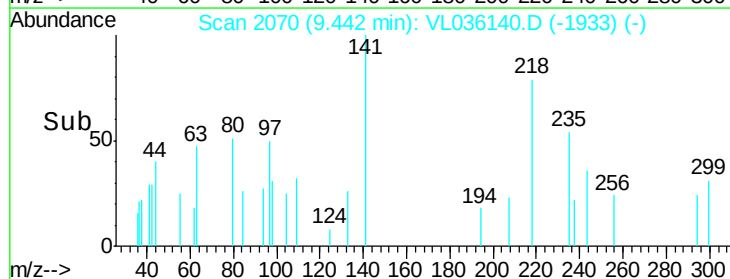
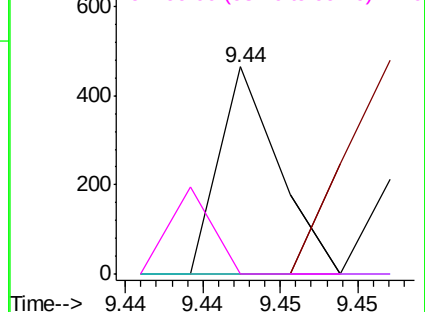
83 0.0 71.4 107.2#

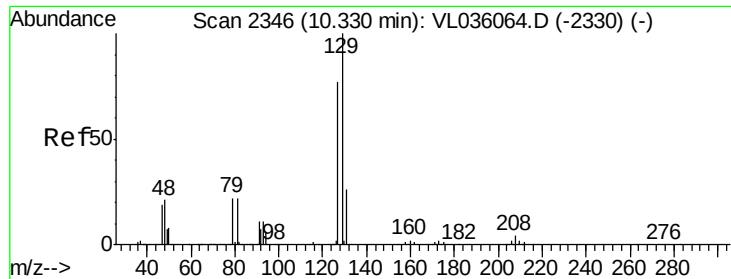
85 0.0 46.6 70.0#

99 0.0 50.7 76.1#



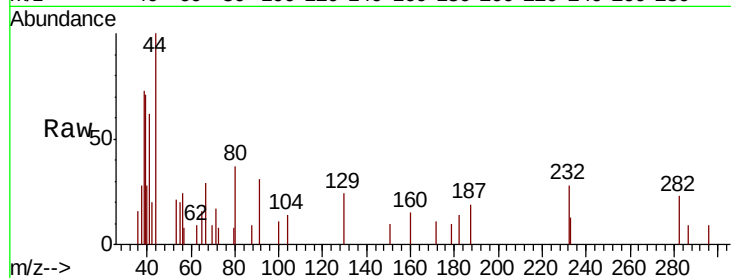
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 99.00 (98.70 to 99.70): VL0



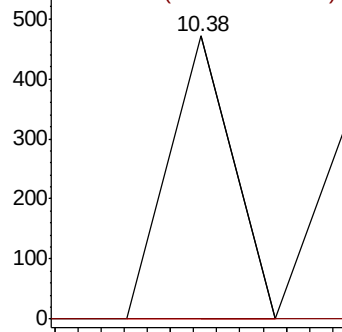


#48
 Dibromochloromethane
 Concen: 0.001 ppbv
 RT: 10.38 min Scan# 2362
 Delta R.T. 0.05 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

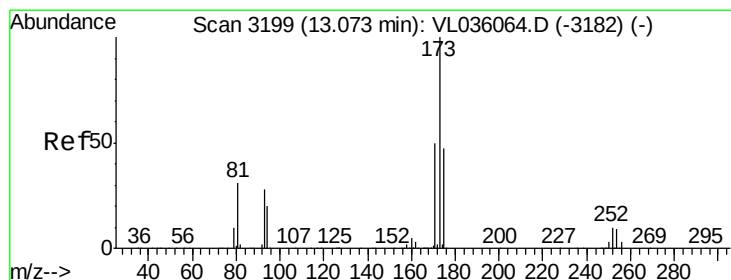
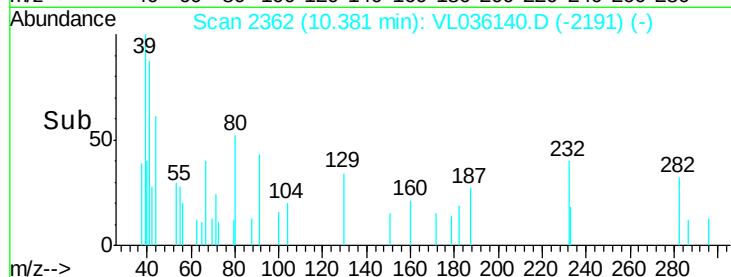
Tot Ion:129 Resp: 91
 Ion Ratio Lower Upper
 129 100
 127 89.0 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

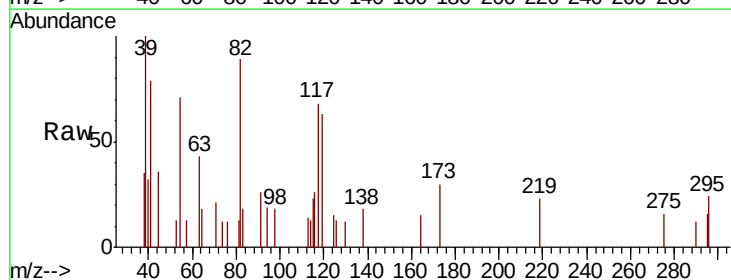


Time--> 10.38 10.38 10.39

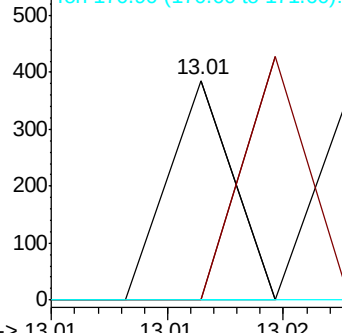


#49
 Bromoform
 Concen: 0.001 ppbv
 RT: 13.01 min Scan# 3180
 Delta R.T. -0.06 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

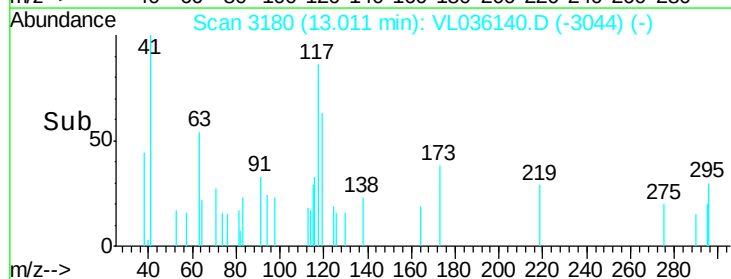
Tgt Ion:173 Resp: 74
 Ion Ratio Lower Upper
 173 100
 175 194.6 39.8 59.6#
 171 50.0 42.5 63.7

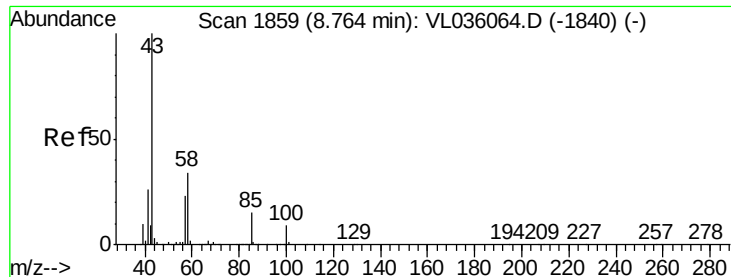


Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 170.90 (170.60 to 171.60): V



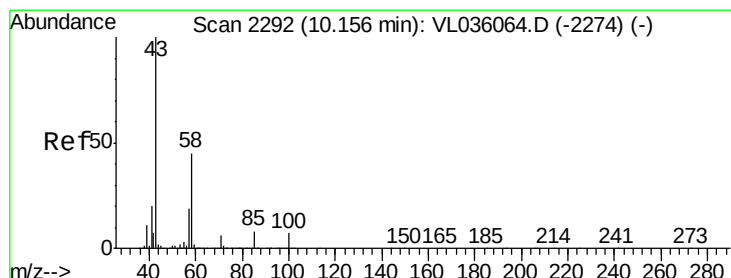
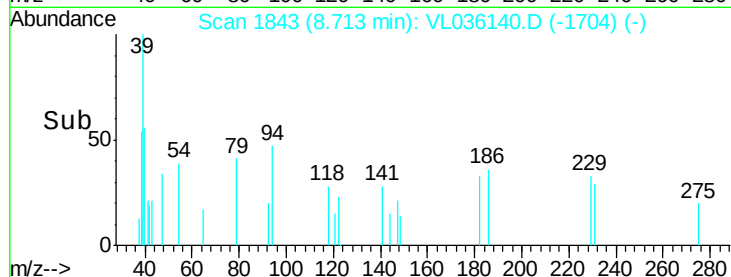
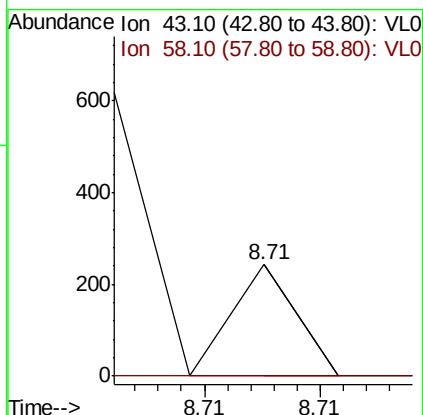
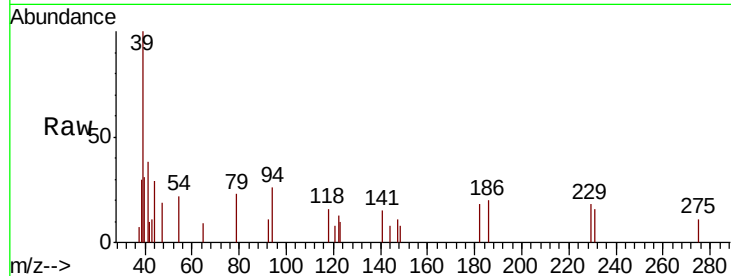
Time--> 13.01 13.01 13.02





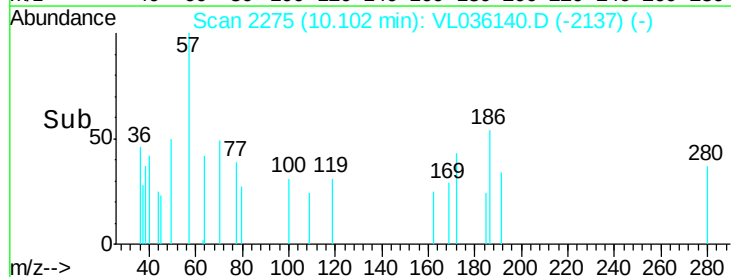
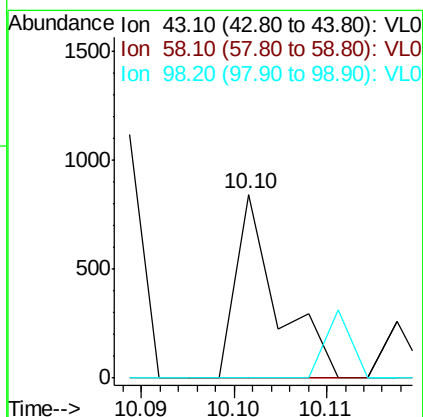
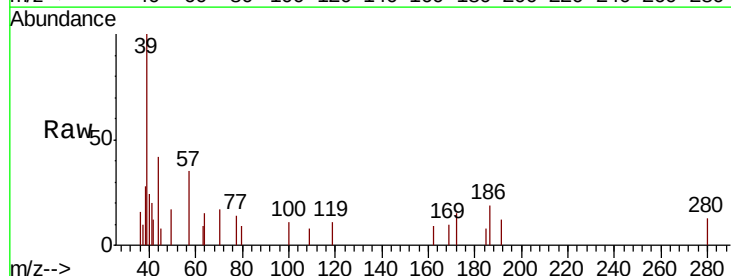
#50
4-Methyl-2-Pentanone
Concen: 0.000 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.05 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

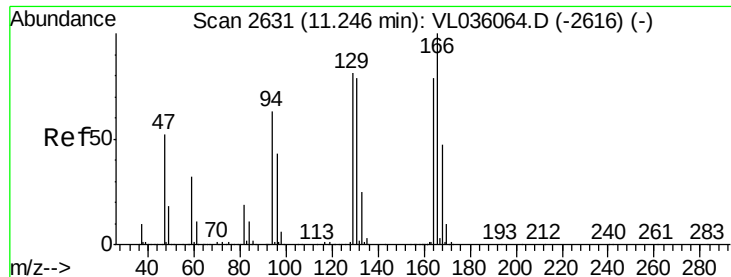
Tot Ion: 43 Resp: 47
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.2#



#51
2-Hexanone
Concen: 0.001 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.05 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

Tgt Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
58 0.0 38.7 58.1#
98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.002 ppbv

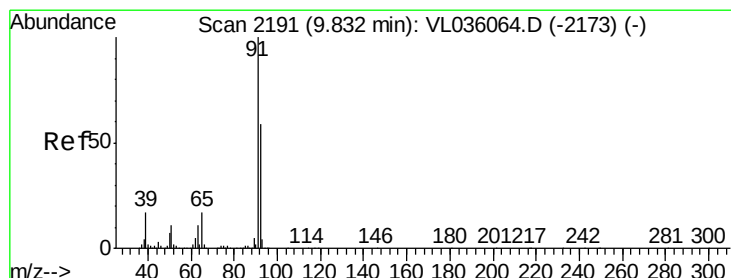
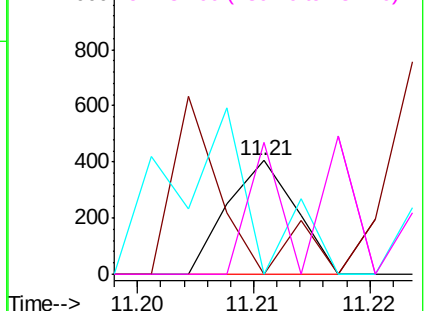
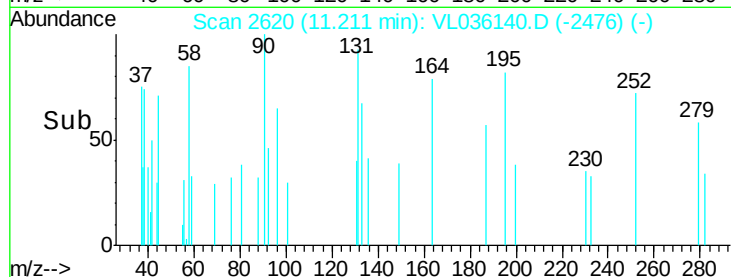
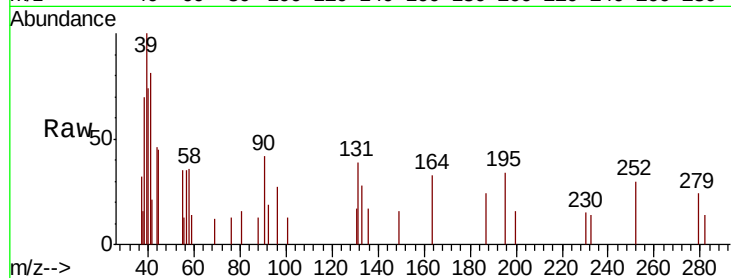
RT: 11.21 min Scan# 2620

Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tot Ion:	164	Resp:	166
Ion	Ratio	Lower	Upper
164	100		
166	0.0	101.9	152.9#
129	0.0	82.1	123.1#
131	116.8	80.8	121.2



#53

Toluene

Concen: 0.007 ppbv

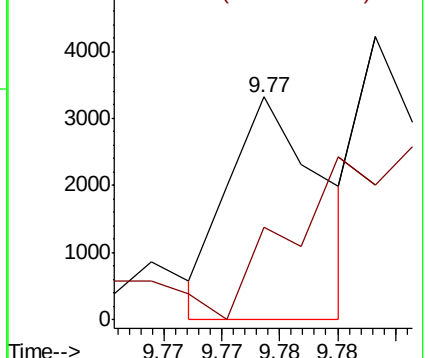
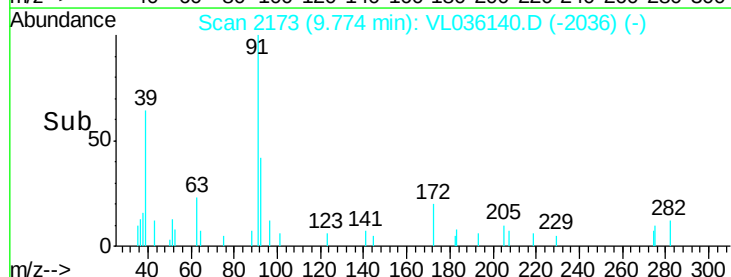
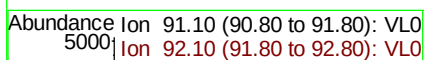
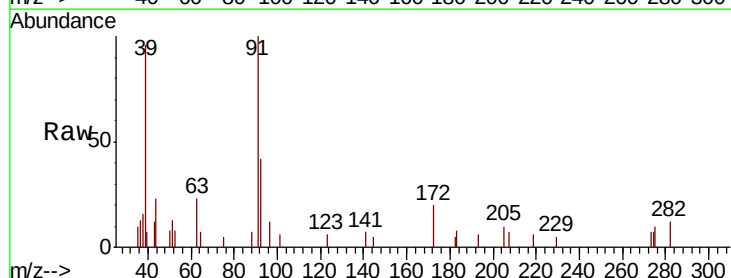
RT: 9.77 min Scan# 2173

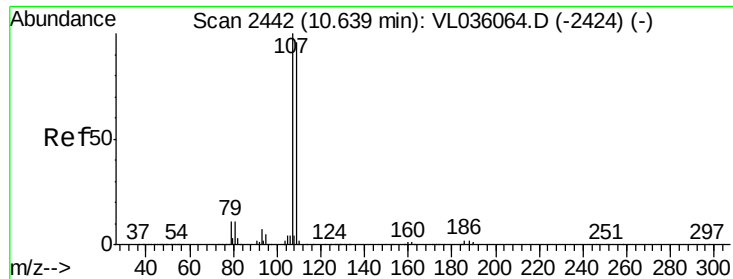
Delta R.T. -0.06 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

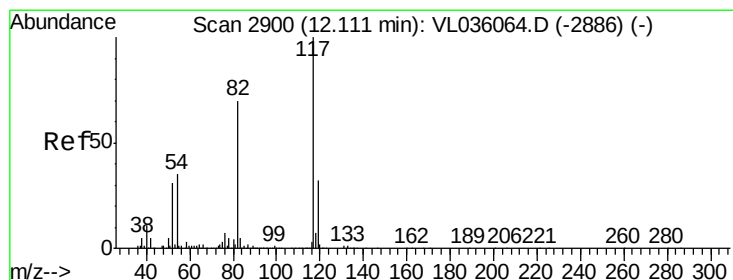
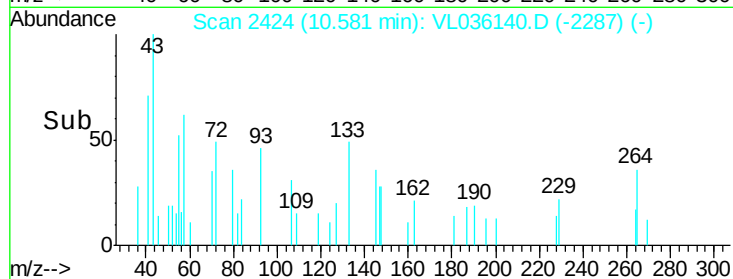
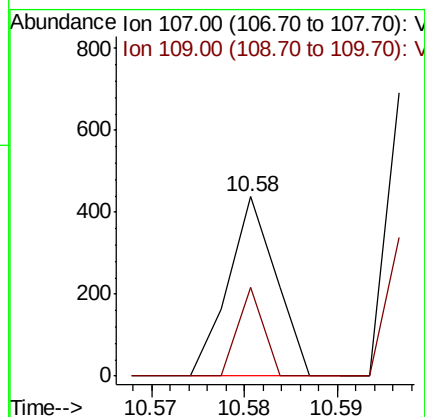
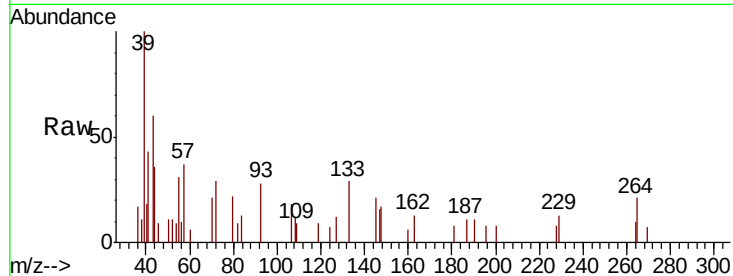
Tgt Ion:	91	Resp:	1857
Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.2#





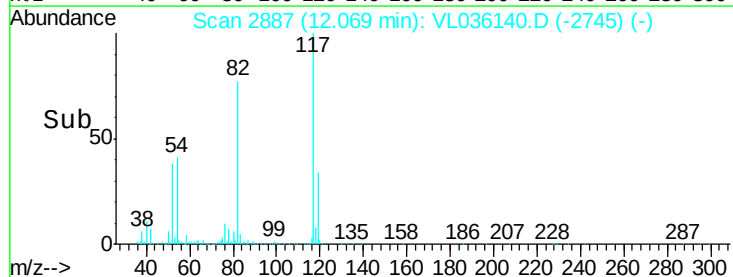
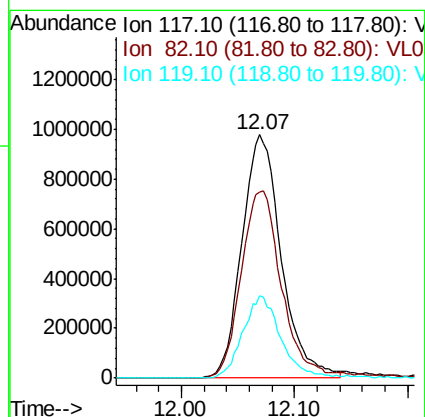
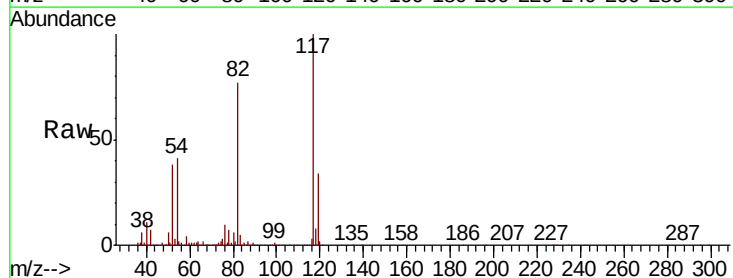
#54
 1,2-Dibromoethane
 Concen: 0.001 ppbv
 RT: 10.58 min Scan# 2424
 Delta R.T. -0.06 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

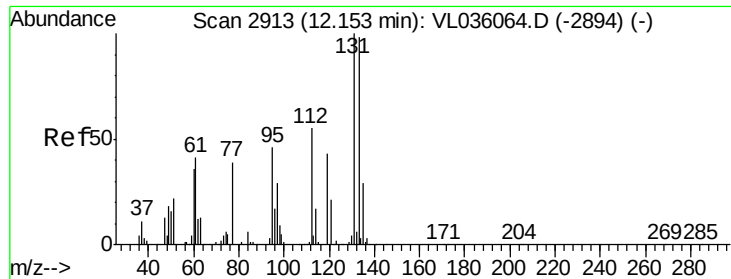
Tot Ion:107 Resp: 158
 Ion Ratio Lower Upper
 107 100
 109 49.9 76.6 115.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T. -0.04 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

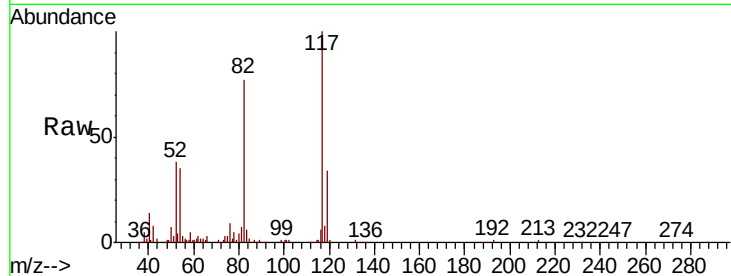
Tgt Ion:117 Resp: 2372354
 Ion Ratio Lower Upper
 117 100
 82 80.7 0.0 0.0#
 119 33.4 0.0 0.0#



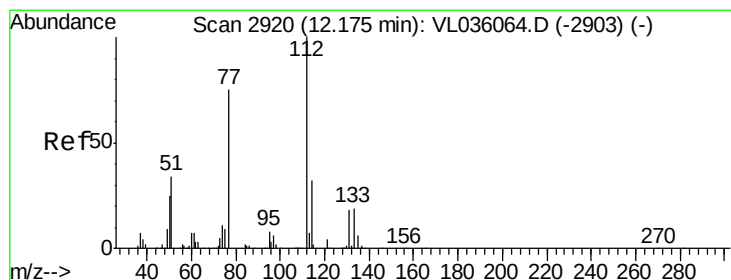
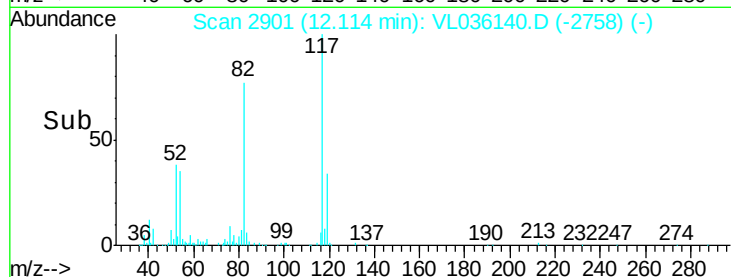
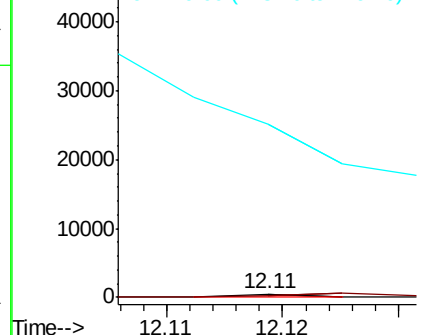


#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.001 ppbv
 RT: 12.11 min Scan# 2901
 Delta R.T. -0.04 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

Tot Ion	131	Resp	83
Ion Ratio	100		
Lower		77.7	
Upper		116.5	
133	0.0		
119	0.0		

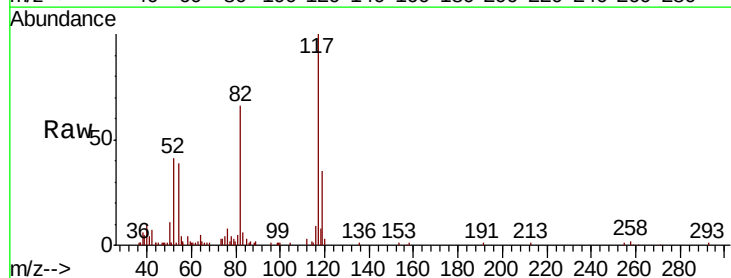


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

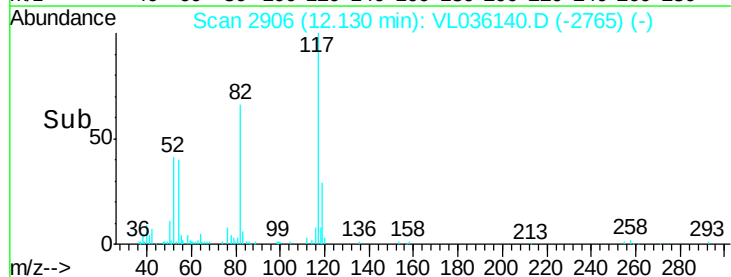
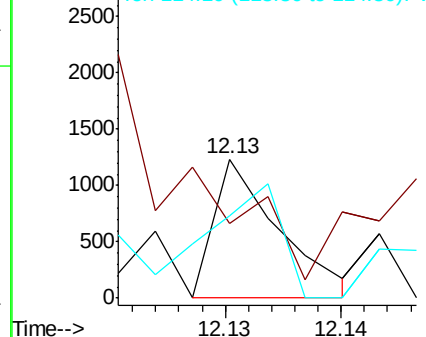


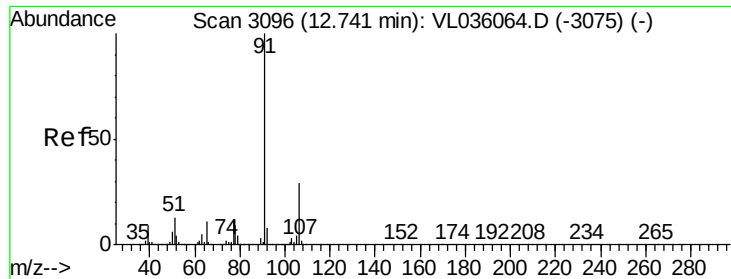
#57
 Chlorobenzene
 Concen: 0.003 ppbv
 RT: 12.13 min Scan# 2906
 Delta R.T. -0.05 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

Tgt Ion	112	Resp	480
Ion Ratio	100		
Lower		60.5	
Upper		90.7	
77	0.0		
114	59.4		



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.001 ppbv

RT: 12.66 min Scan# 3071

Delta R.T. -0.08 min

Lab File: VL036140.D

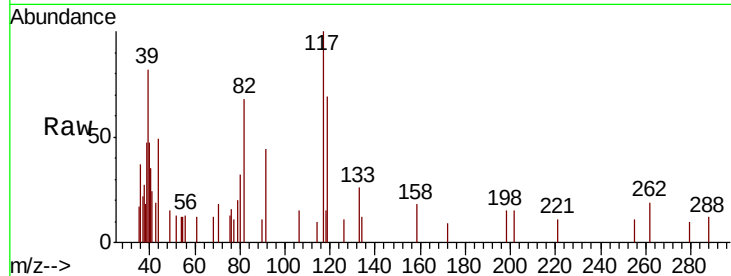
Acq: 10 Dec 2020 22:53

Tot Ion: 91 Resp: 244

Ion Ratio Lower Upper

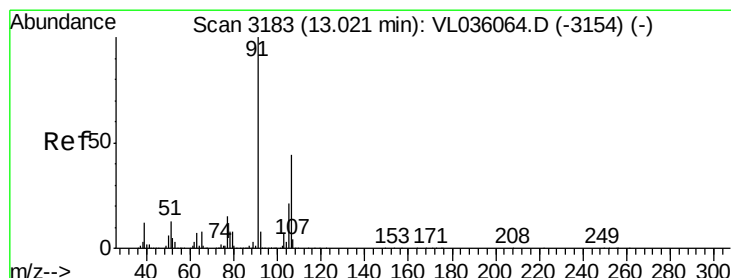
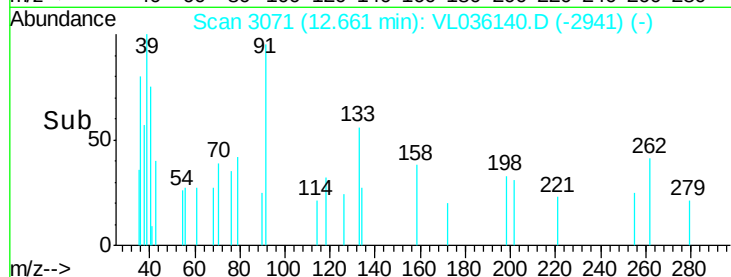
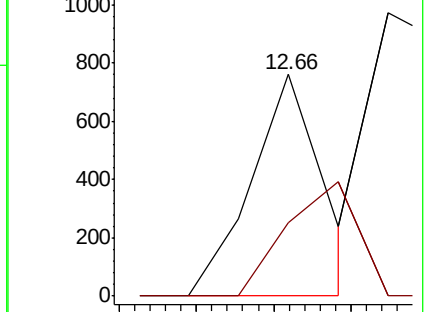
91 100

106 33.2 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: 0.001 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.05 min

Lab File: VL036140.D

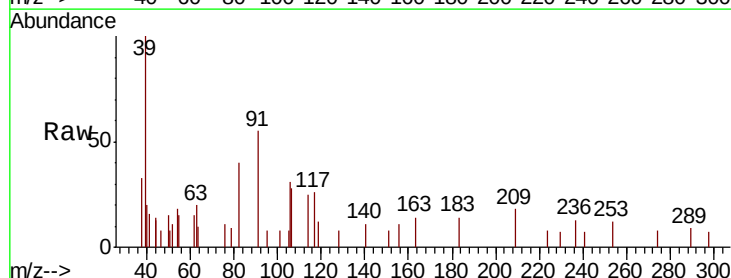
Acq: 10 Dec 2020 22:53

Tgt Ion: 91 Resp: 346

Ion Ratio Lower Upper

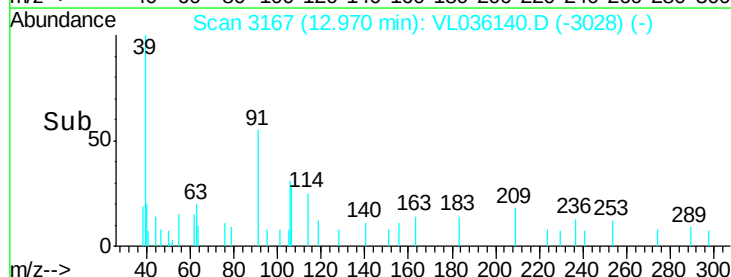
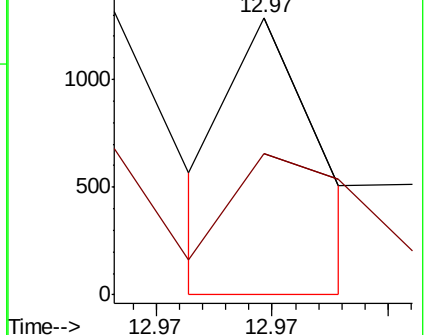
91 100

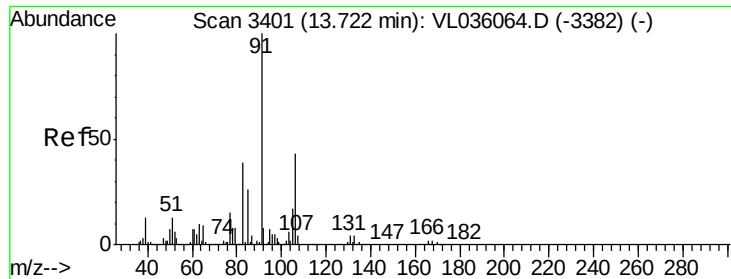
106 0.0 33.6 50.4#



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: 13.68 min Scan# 3387

Delta R.T. -0.05 min

Lab File: VL036140.D

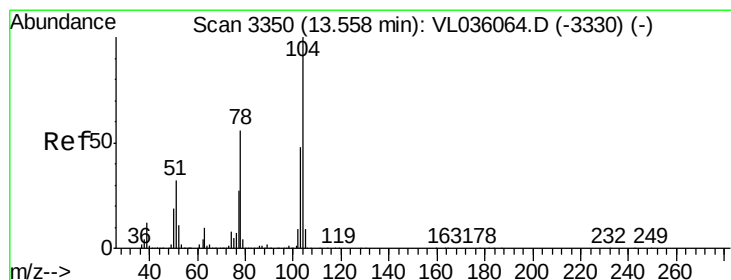
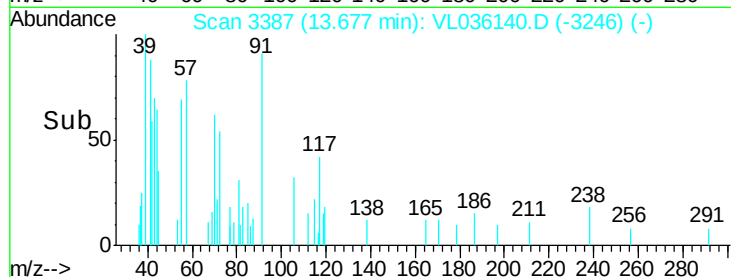
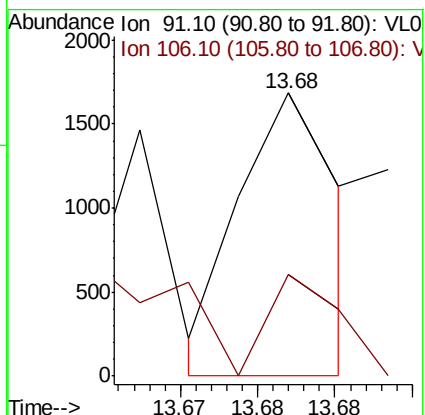
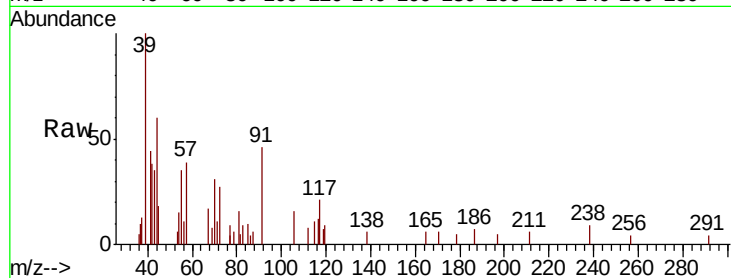
Acq: 10 Dec 2020 22:53

Tot Ion: 91 Resp: 748

Ion Ratio Lower Upper

91 100

106 0.0 21.6 64.6#



#61

Styrene

Concen: 0.002 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.05 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

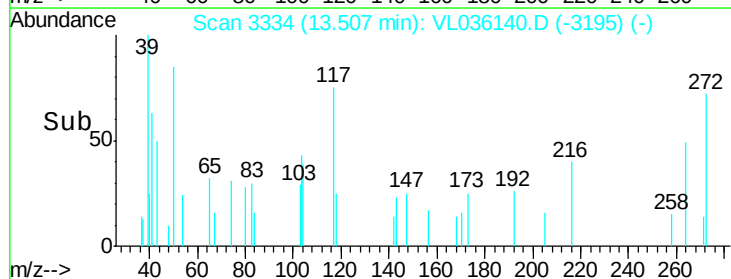
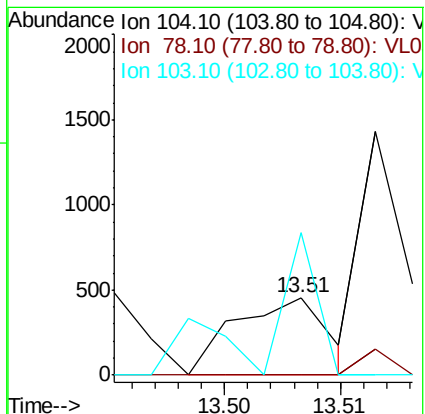
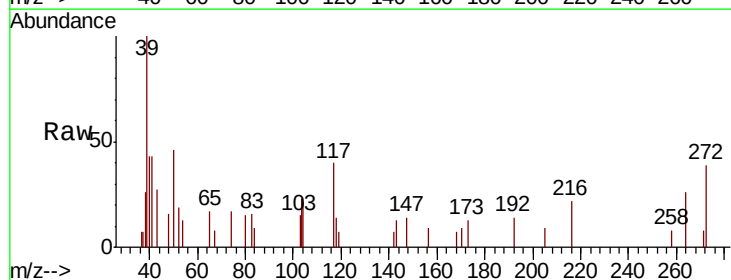
Tgt Ion: 104 Resp: 251

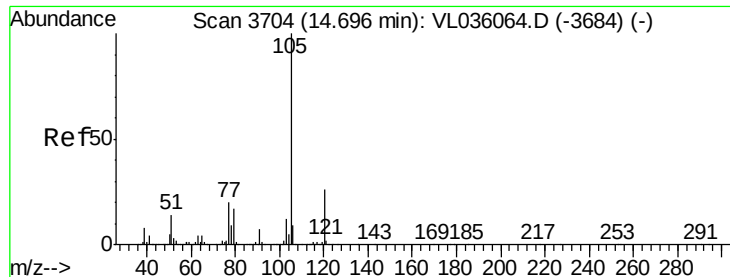
Ion Ratio Lower Upper

104 100

78 0.0 45.8 68.8#

103 248.2 38.6 57.8#





#62

Isopropylbenzene

Concen: 0.002 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.05 min

Lab File: VL036140.D

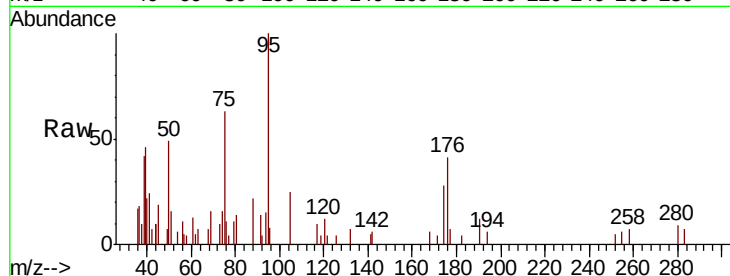
Acq: 10 Dec 2020 22:53

Tot Ion: 105 Resp: 620

Ion Ratio Lower Upper

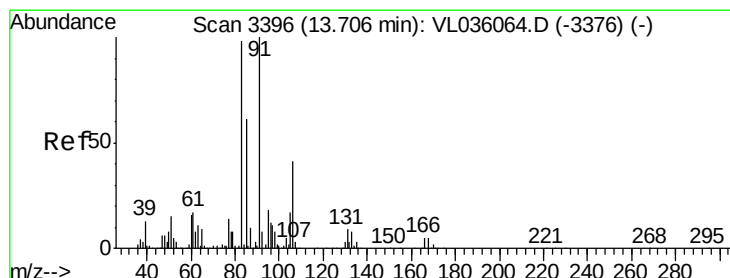
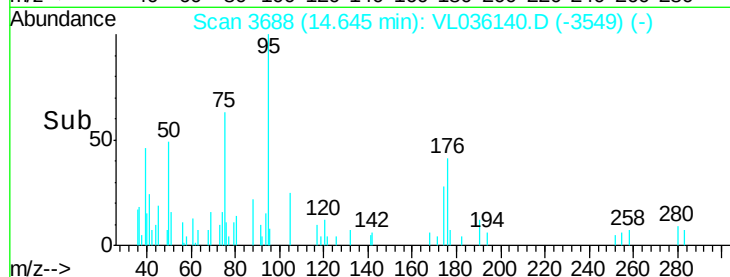
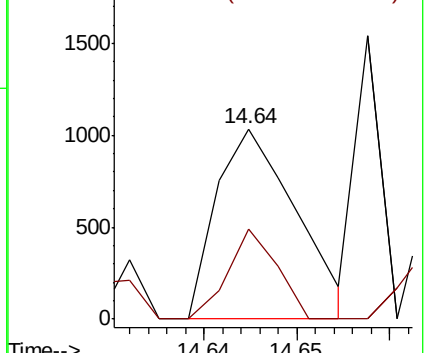
105 100

120 29.2 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: 0.002 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.05 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

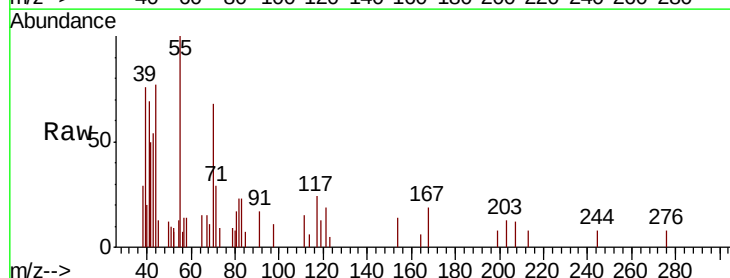
Tgt Ion: 83 Resp: 360

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

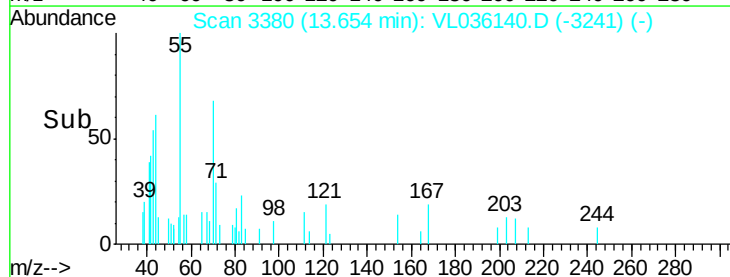
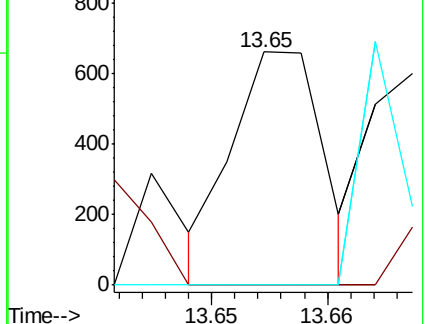
85 0.0 32.5 97.5#

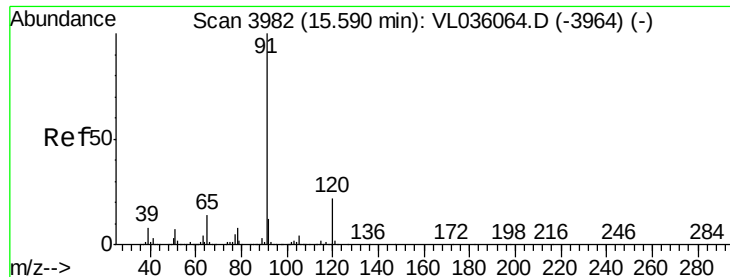


Abundance Ion 83.00 (82.70 to 83.70): VL0

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: 15.96 min Scan# 4097

Delta R.T. 0.37 min

Lab File: VL036140.D

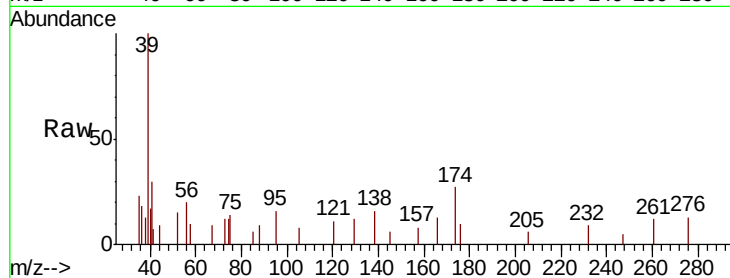
Acq: 10 Dec 2020 22:53

Tot Ion:120 Resp: 63

Ion Ratio Lower Upper

120 100

91 533.3 388.9 583.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

600

400

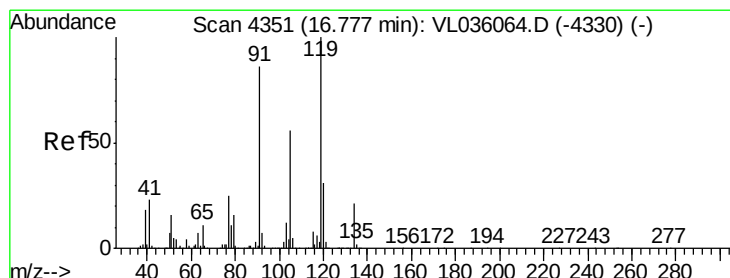
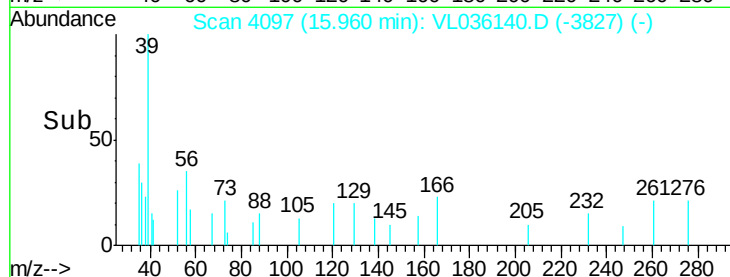
200

0

15.96

15.97

Time-->



#65

tert-Butylbenzene

Concen: 0.000 ppbv

RT: 16.71 min Scan# 4331

Delta R.T. -0.06 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

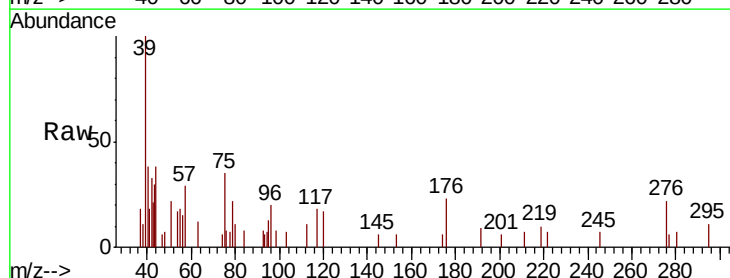
Tgt Ion:119 Resp: 88

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

600

500

400

300

200

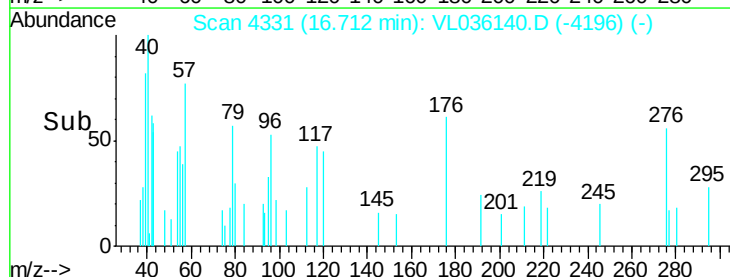
100

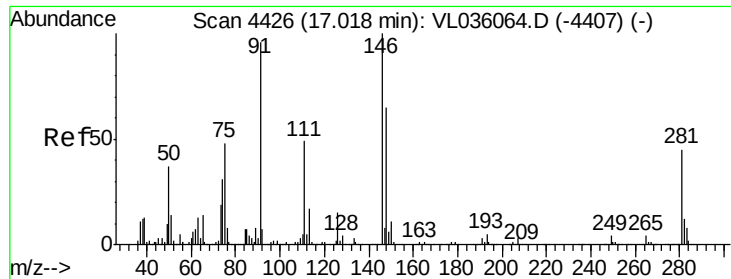
0

16.71

16.72

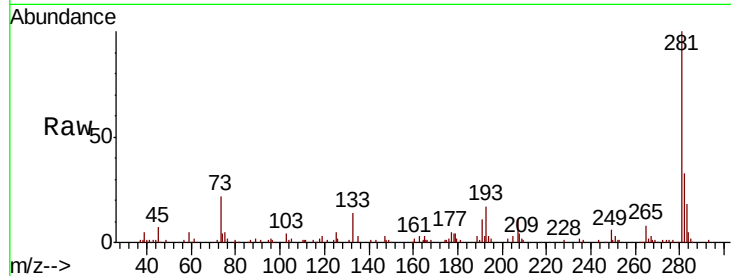
Time-->



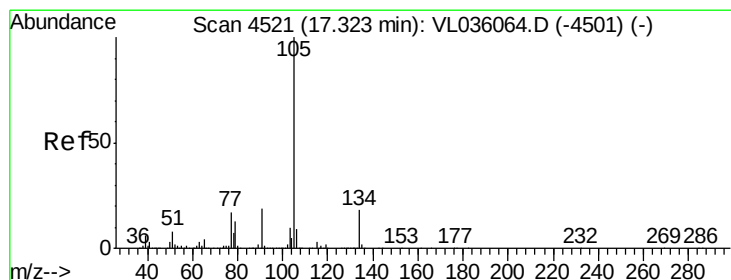
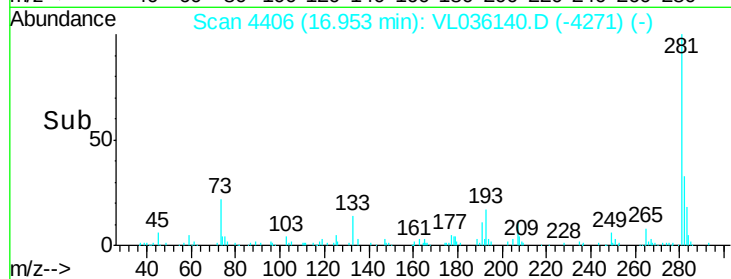
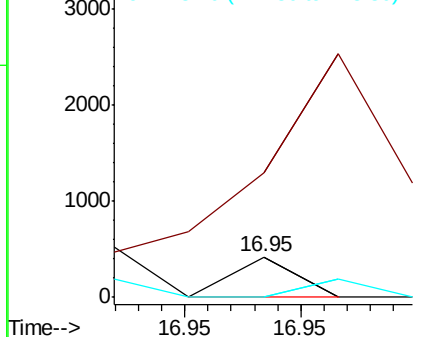


#66
Benzyl Chloride
Concen: 0.001 ppbv
RT: 16.95 min Scan# 4406
Delta R.T. -0.06 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

Tot Ion: 91 Resp: 80
Ion Ratio Lower Upper
91 100
126 2203.8 13.5 20.3#
128 0.0 4.4 6.6#

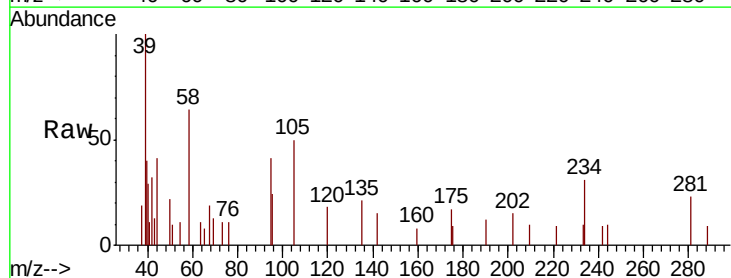


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

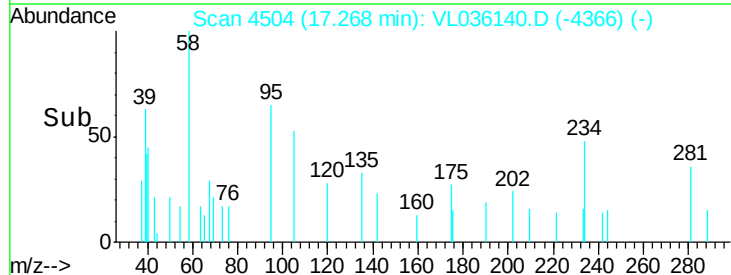
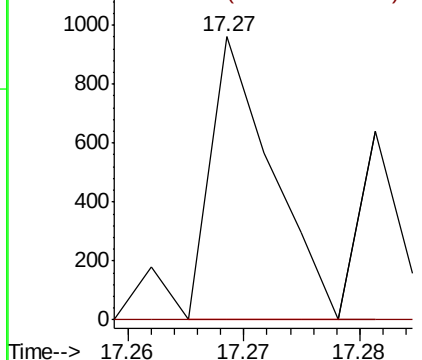


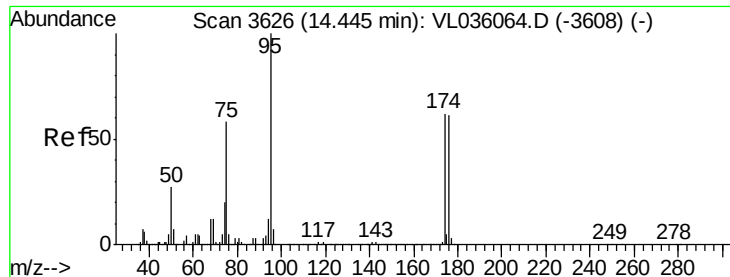
#67
sec-Butylbenzene
Concen: 0.001 ppbv
RT: 17.27 min Scan# 4504
Delta R.T. -0.05 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

Tgt Ion: 105 Resp: 352
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: 10.725 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.04 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

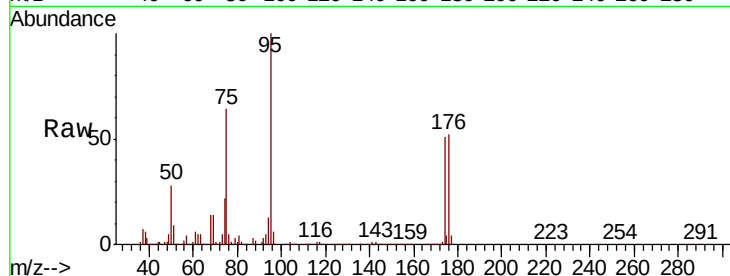
Tot Ion: 95 Resp: 2020417

Ion Ratio Lower Upper

95 100

174 56.6 50.7 76.1

175 3.8 4.0 6.0#

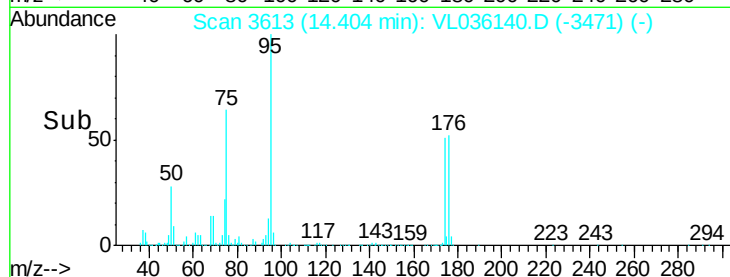


Abundance Ion 95.10 (94.80 to 95.80): VL036140.D (-3613) (-)

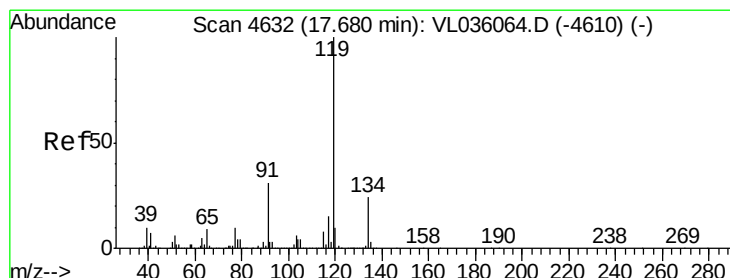
Ion 174.00 (173.70 to 174.70): VL036140.D (-3613) (-)

Ion 175.00 (174.70 to 175.70): VL036140.D (-3613) (-)

Time-->



Time-->



#69

p-Isopropyltoluene

Concen: 0.001 ppbv

RT: 17.62 min Scan# 4612

Delta R.T. -0.06 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

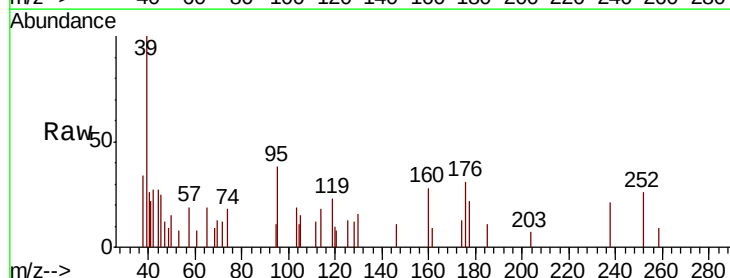
Tgt Ion: 119 Resp: 247

Ion Ratio Lower Upper

119 100

134 0.0 19.8 29.6#

91 0.0 25.8 38.6#

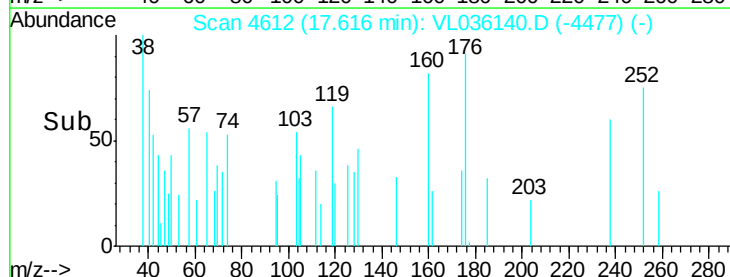


Abundance Ion 119.10 (118.80 to 119.80): VL036140.D (-4612) (-)

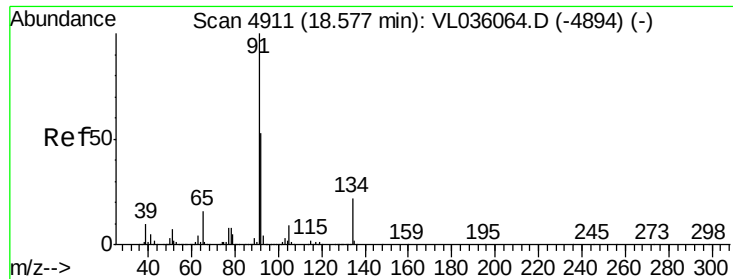
Ion 134.20 (133.90 to 134.90): VL036140.D (-4612) (-)

Ion 91.10 (90.80 to 91.80): VL036140.D (-4612) (-)

Time-->

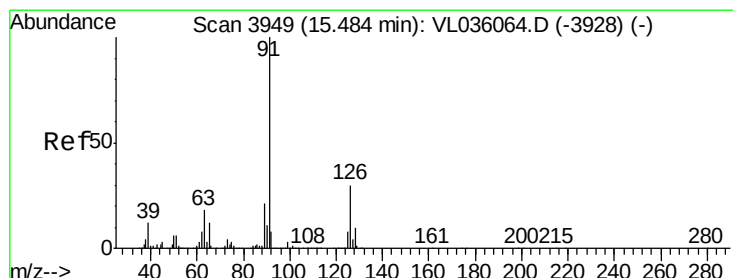
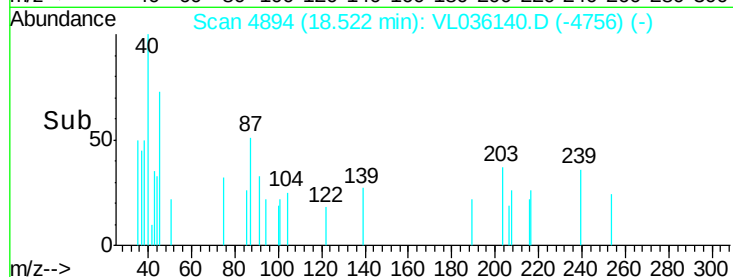
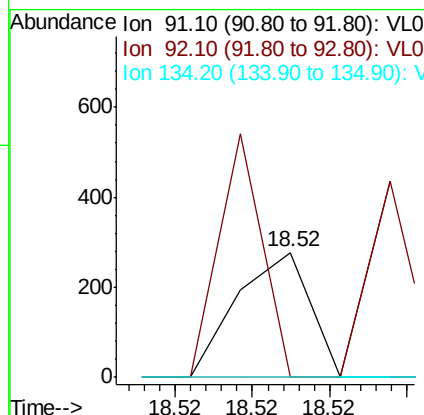
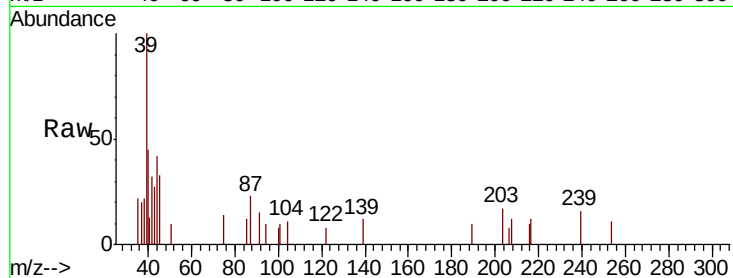


Time-->



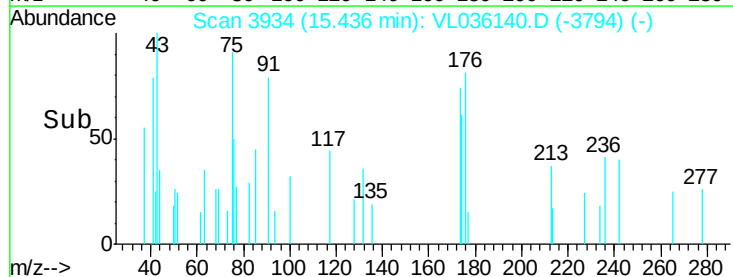
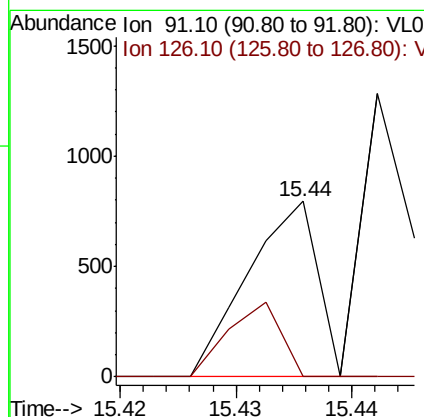
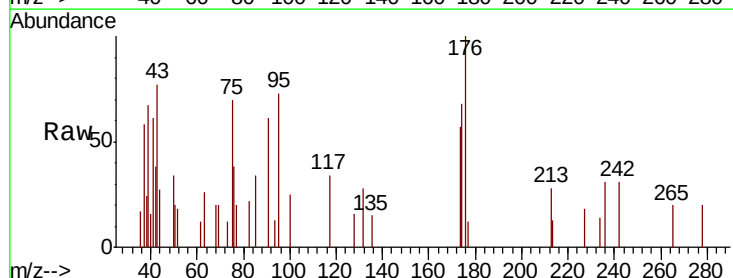
#70
n-Butylbenzene
Concen: 0.000 ppbv
RT: 18.52 min Scan# 4894
Delta R.T. -0.05 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

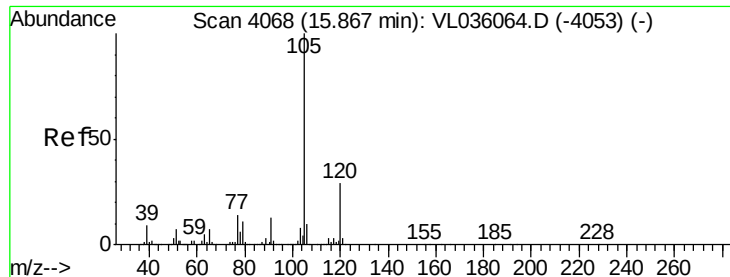
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.3	64.9#
134	53.8	17.1	25.7#



#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 15.44 min Scan# 3934
Delta R.T. -0.05 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	11.6	46.4





#72

4-Ethyltoluene

Concen: 0.001 ppbv

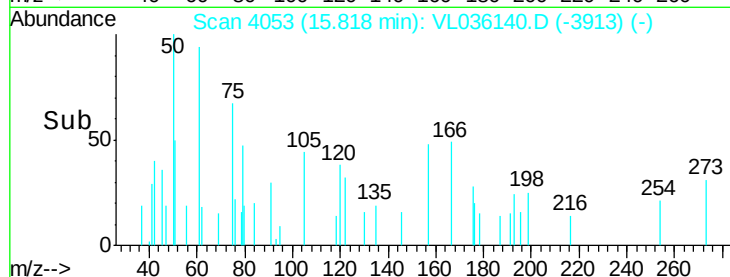
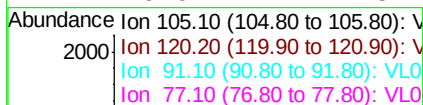
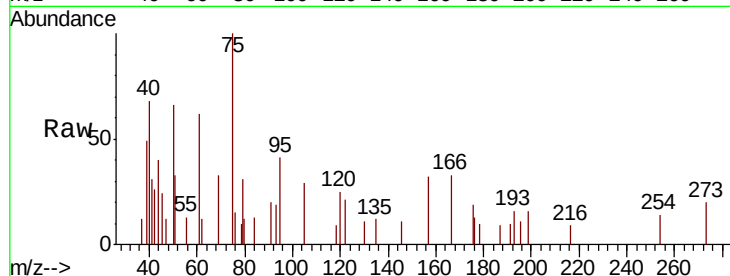
RT: 15.82 min Scan# 4053

Delta R.T. -0.05 min

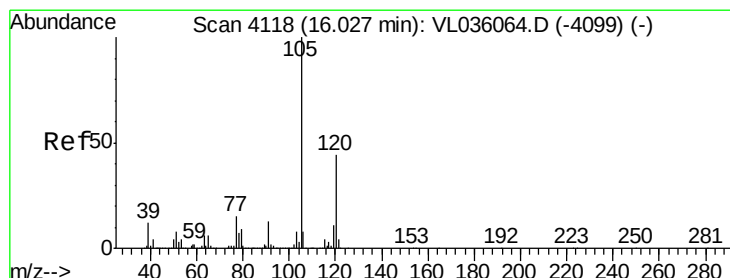
Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tot Ion:105	Resp:	249
Ion Ratio	Lower	Upper
105 100		
120 113.7	23.6	35.4#
91 56.2	11.4	17.0#
77 0.0	12.1	18.1#



Time-->



#73

1,3,5-Trimethylbenzene

Concen: 0.003 ppbv

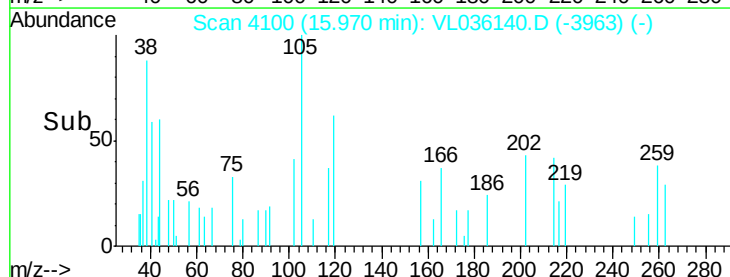
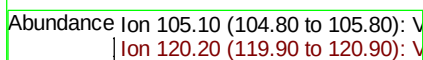
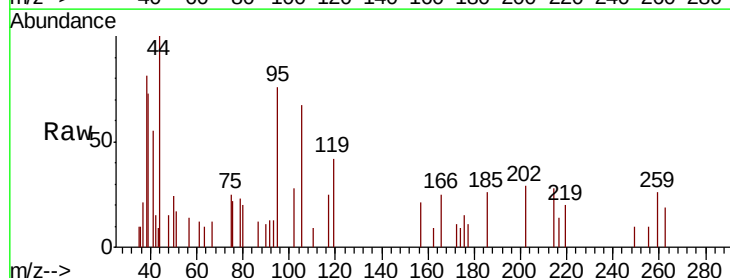
RT: 15.97 min Scan# 4100

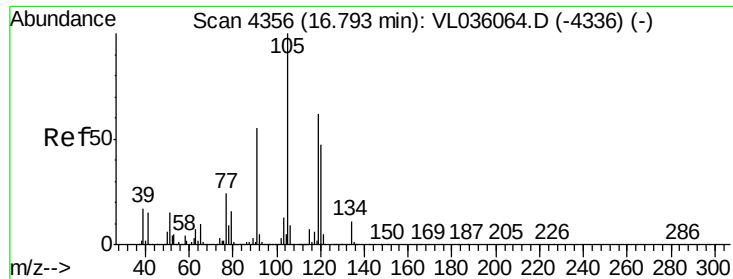
Delta R.T. -0.06 min

Lab File: VL036140.D

Acq: 10 Dec 2020 22:53

Tgt	Ion:105	Resp:	687
Ion	Ratio	Lower	Upper
105	100		
120	0.0	35.4	53.2#

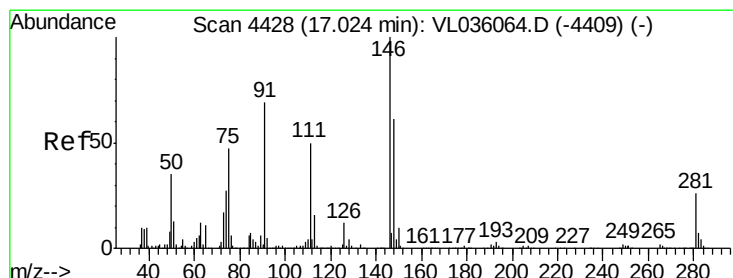
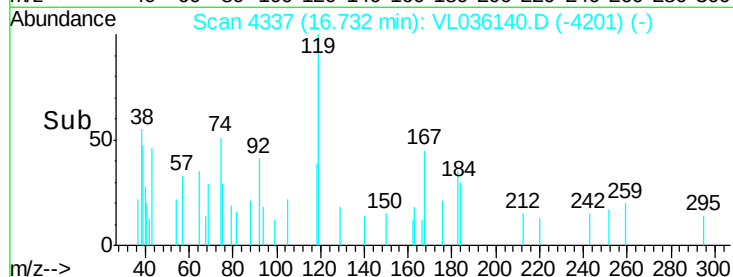
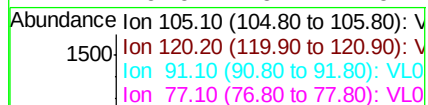
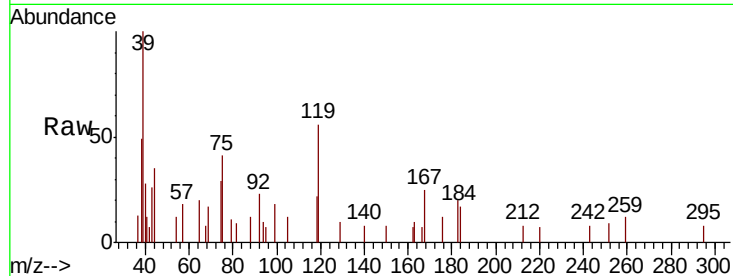




#74

1,2,4-Trimethylbenzene
Concen: 0.000 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.06 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

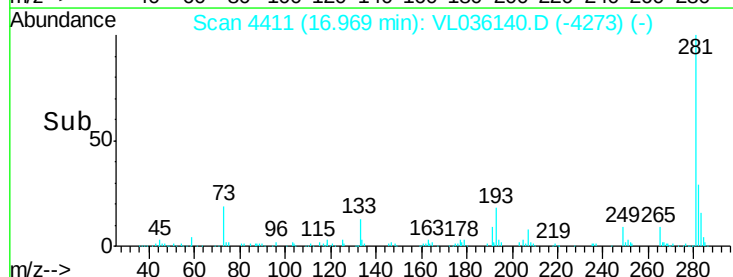
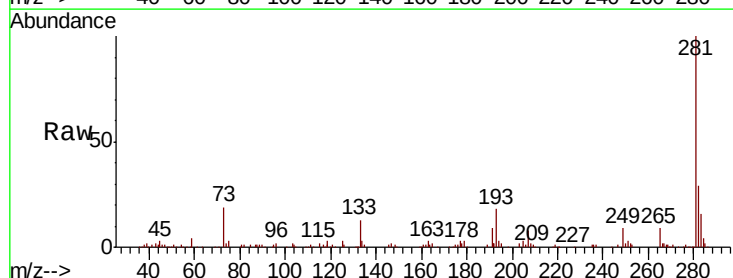
Tot Ion:	105	Resp:	52
Ion	Ratio	Lower	Upper
105	100		
120	0.0	37.4	56.0#
91	0.0	45.6	68.4#
77	0.0	19.4	29.2#

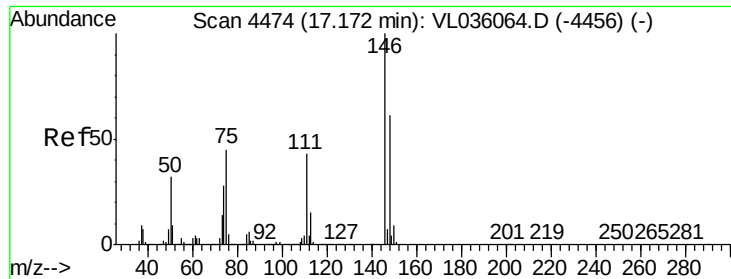


#75

1,3-Dichlorobenzene
Concen: 0.003 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. -0.05 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

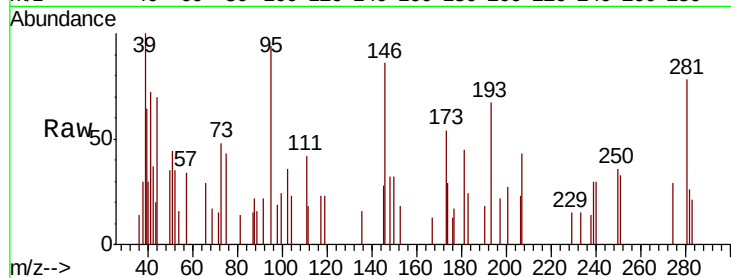
Tgt Ion:	146	Resp:	464
Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.1	75.3#
148	0.0	32.9	98.6#



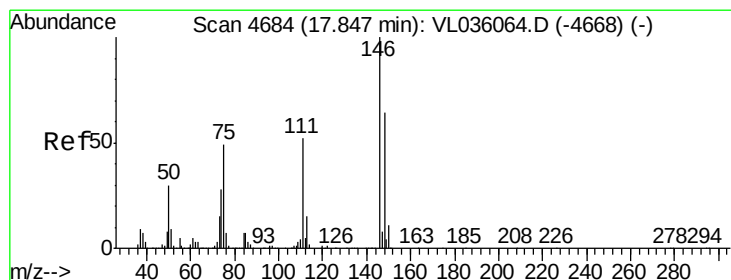
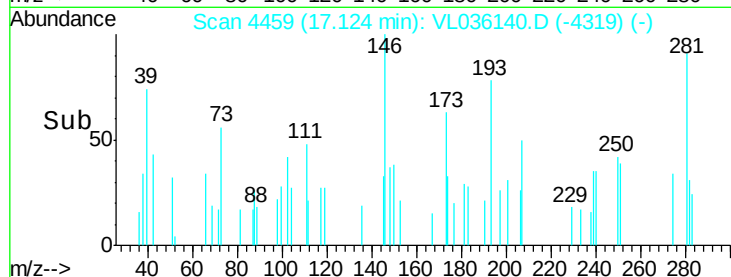
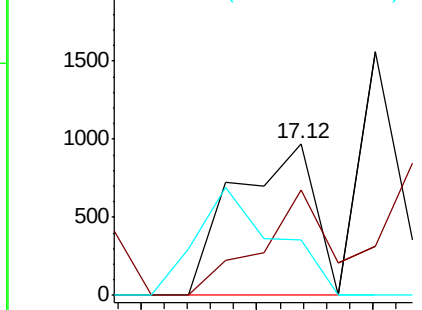


#76
 1,4-Dichlorobenzene
 Concen: 0.003 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.05 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

Tot Ion:146 Resp: 463
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.3 72.8#
 148 71.3 32.8 98.3

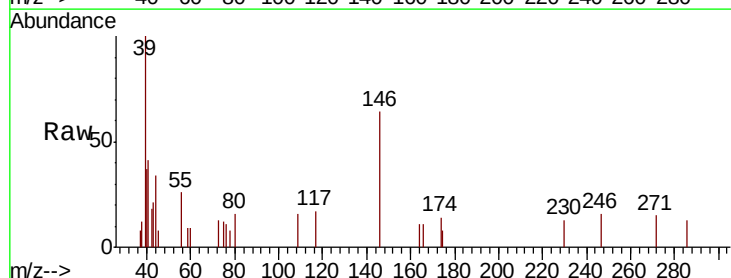


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

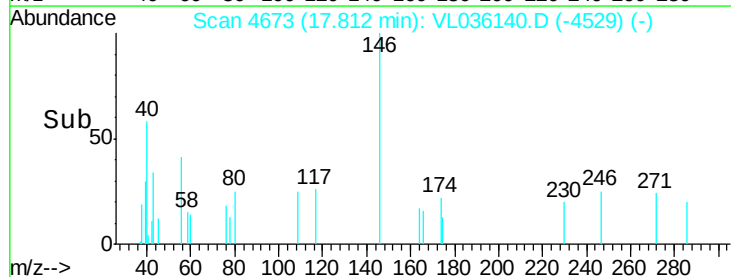
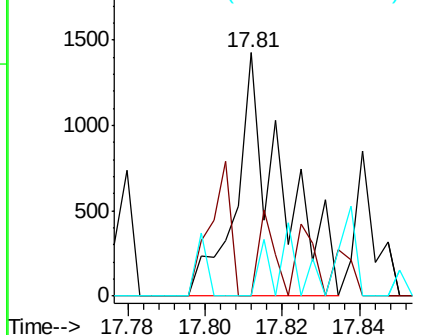


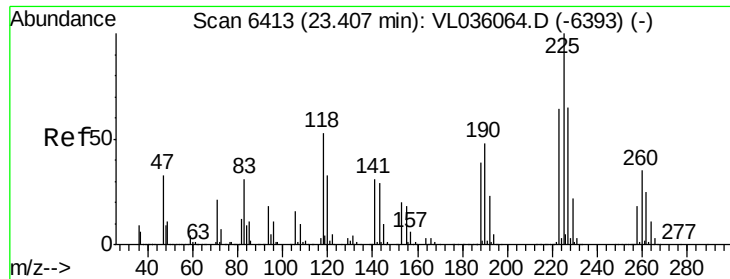
#77
 1,2-Dichlorobenzene
 Concen: 0.009 ppbv
 RT: 17.81 min Scan# 4673
 Delta R.T. -0.04 min
 Lab File: VL036140.D
 Acq: 10 Dec 2020 22:53

Tgt Ion:146 Resp: 1164
 Ion Ratio Lower Upper
 146 100
 111 25.9 26.1 78.2#
 148 6.1 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

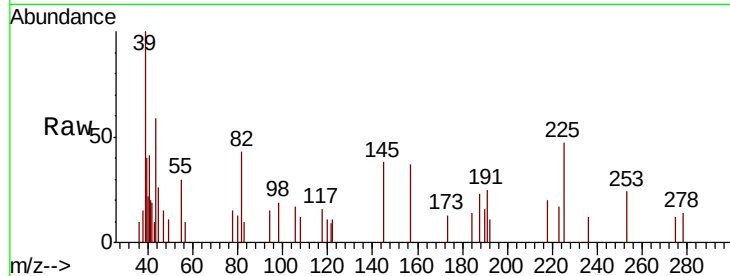




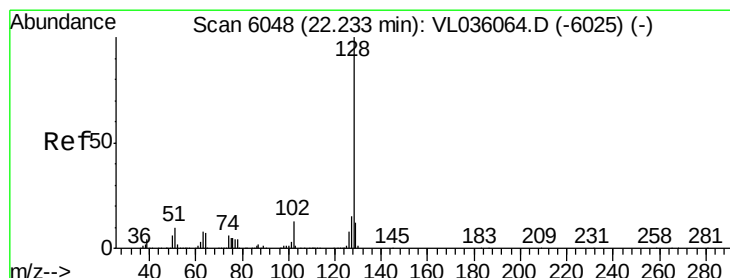
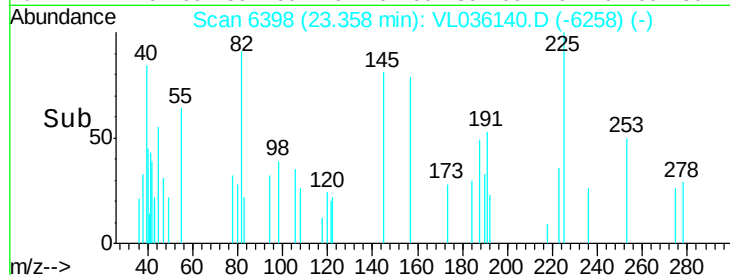
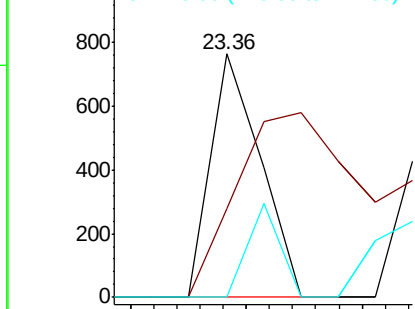
#78

Hexachloro-1,3-Butadiene
Concen: 0.002 ppbv
RT: 23.36 min Scan# 6398
Delta R.T. -0.05 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

Tot Ion	Ratio	Lower	Upper
225	100		
223	32.7	51.1	76.7#
227	65.9	51.7	77.5



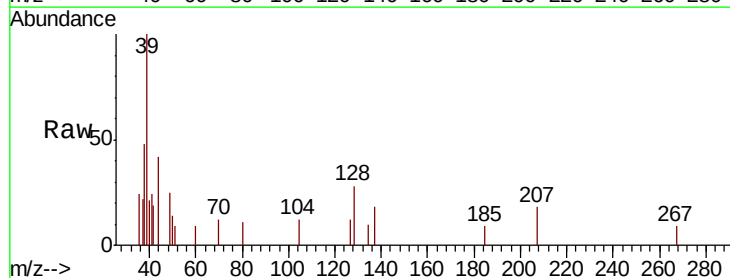
Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



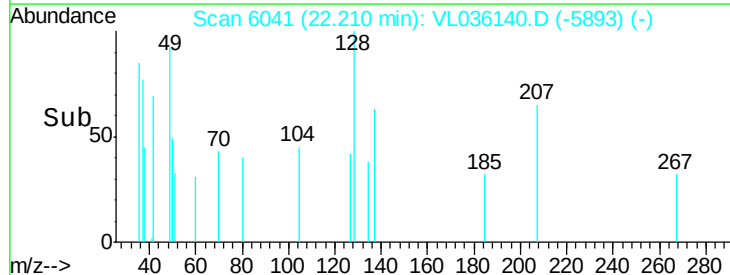
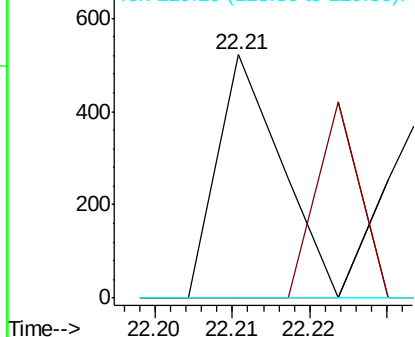
#79

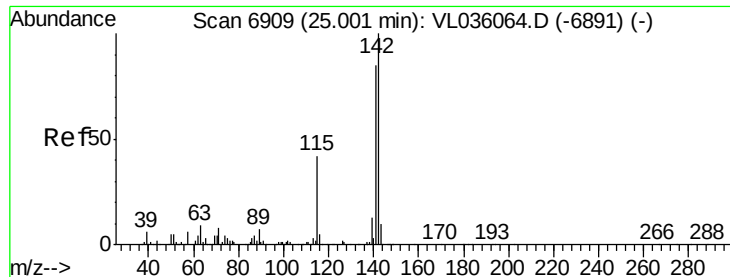
Naphthalene
Concen: 0.001 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. -0.02 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

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



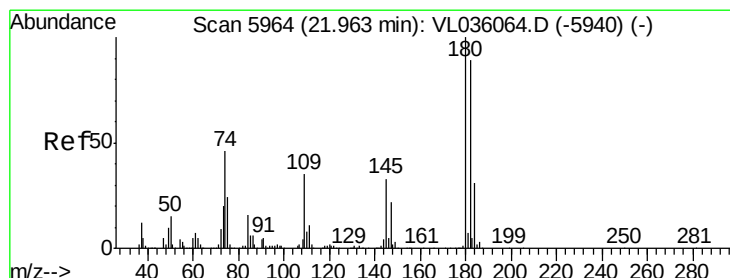
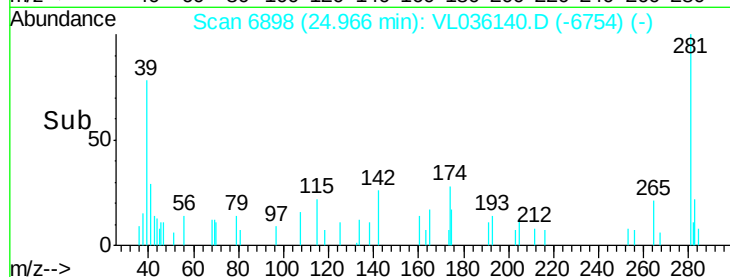
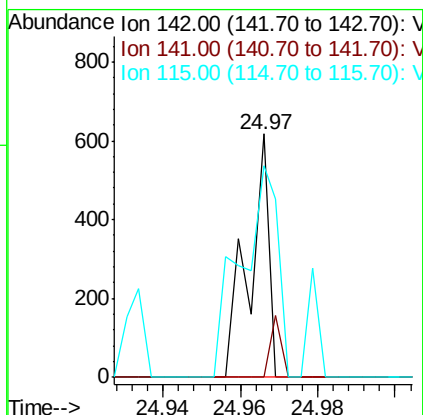
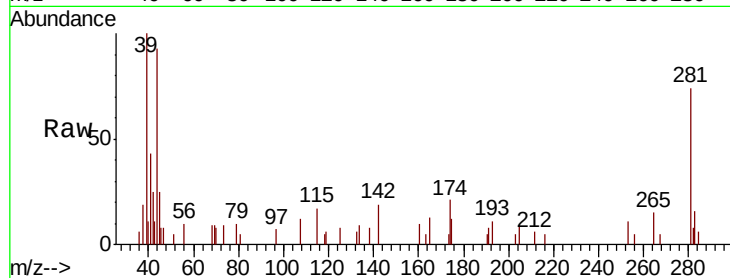
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V





#80
Naphthalene, 2-methyl-
Concen: 0.007 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.04 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

Tot Ion	Ratio	Lower	Upper
142	100		
141	0.0	64.3	96.5#
115	188.1	33.9	50.9#



#81
1,2,4-Trichlorobenzene
Concen: 0.001 ppbv
RT: 21.92 min Scan# 5952
Delta R.T. -0.04 min
Lab File: VL036140.D
Acq: 10 Dec 2020 22:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	404.1	0.0	0.0#
184	95.9	0.0	0.0#

