

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036133.D
 Acq On : 10 Dec 2020 17:43
 Operator : SY/AP
 Sample : VL1210ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 22:45:55 2020

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

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

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1257470	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	2575266	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2554479m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2140169	10.55	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1128240	7.699	ppbv 98
3) Chlorodifluoromethane	2.97	51	1503547	10.480	ppbv 98
4) Chloromethane	3.12	50	720005	10.222	ppbv 98
5) Vinyl Chloride	3.24	62	704902	8.995	ppbv 94
6) Bromomethane	3.46	94	390006	9.646	ppbv 95
7) Chloroethane	3.54	64	246453	9.232	ppbv 97
8) Dichlorotetrafluoroethane	3.17	85	1605513	9.858	ppbv 88
9) Propene	2.99	41	699777	9.737	ppbv 97
10) Heptane	8.11	43	1790064	9.752	ppbv 99
11) Trichlorofluoromethane	3.93	101	1716081	9.960	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1115151	9.530	ppbv 93
13) Ethanol	3.59	45	99678	10.061	ppbv 99
14) Bromoethene	3.72	108	470695	9.805	ppbv 95
15) Acetone	3.84	43	1374241	9.093	ppbv 96
16) 1,3-Butadiene	3.31	39	707770	9.298	ppbv 97
17) tert-Butyl alcohol	4.28	59	1164272	7.953	ppbv 99
18) 1,1-Dichloroethene	4.27	96	469022	9.028	ppbv 95
19) Isopropyl Alcohol	3.95	45	768416	8.319	ppbv # 100
20) Methylene Chloride	4.33	84	453465m	7.322	ppbv
21) Allyl Chloride	4.39	41	932035m	9.275	ppbv
22) trans-1,2-Dichloroethene	4.87	96	485656m	9.337	ppbv
23) Vinyl Acetate	5.06	43	1966749	9.775	ppbv # 97
24) 1,1-Dichloroethane	5.00	63	1336998	9.448	ppbv 98
25) Ethyl Acetate	5.66	43	2917768	9.664	ppbv 100
26) Hexane	5.67	57	1198124	8.818	ppbv 99
27) Carbon Disulfide	4.53	76	1251296	9.266	ppbv 96
28) Methyl tert-Butyl Ether	5.02	73	1710762	8.856	ppbv 98
29) Chloroform	5.74	83	1833078	10.273	ppbv 98
30) Cyclohexane	7.11	84	956660	9.584	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1265513	10.245	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	1818689	9.877	ppbv 97
34) 2-Butanone	5.23	43	1793611	10.500	ppbv 100
35) Carbon Tetrachloride	7.01	117	1762445	11.736	ppbv 99
36) Benzene	6.88	78	2419285	11.085	ppbv 96
37) 1,2-Dichloroethane	6.29	62	1566251	12.385	ppbv 98
38) Trichloroethene	7.82	130	753152	9.232	ppbv 90
39) 1,2-Dichloropropane	7.60	63	995886	11.555	ppbv 97
40) 1,4-Dioxane	7.82	88	283241	10.448	ppbv # 30
41) Tetrahydrofuran	6.03	42	1079838	10.641	ppbv 99
42) Bromodichloromethane	7.78	83	2061442	12.233	ppbv 99
43) Methyl Methacrylate	8.00	69	1099574	11.744	ppbv 99

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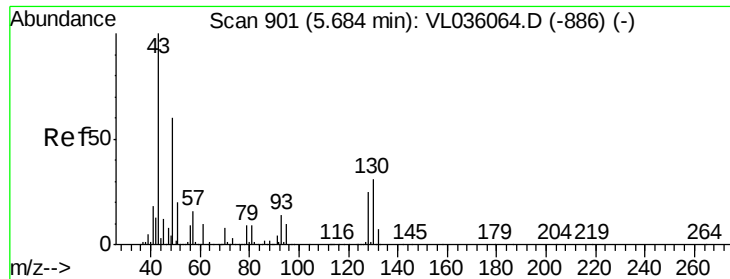
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4368735	11.053	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1152553	11.982	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1405533	11.658	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	932807	11.250	ppbv	97
48) Dibromochloromethane	10.29	129	1409980	11.260	ppbv	99
49) Bromoform	13.03	173	1091186	11.072	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2899890	11.383	ppbv	99
51) 2-Hexanone	10.12	43	2301774	11.559	ppbv #	97
52) Tetrachloroethene	11.21	164	694751	8.794	ppbv	95
53) Toluene	9.80	91	2702066	11.026	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1354529	10.898	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1071519	10.116	ppbv	96
57) Chlorobenzene	12.14	112	1755868	9.791	ppbv	97
58) Ethyl Benzene	12.70	91	3633667	10.380	ppbv	98
59) m/p-Xylene	12.99	91	6078594m	20.616	ppbv	
60) o-Xylene	13.68	91	2842572	10.232	ppbv	96
61) Styrene	13.52	104	1838856	10.310	ppbv	96
62) Isopropylbenzene	14.66	105	4013788	9.747	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	1881670	10.057	ppbv	99
64) n-propylbenzene	15.55	120	955448	9.644	ppbv	85
65) tert-Butylbenzene	16.73	119	3179781	9.434	ppbv	93
66) Benzyl Chloride	16.98	91	768590	9.158	ppbv	96
67) sec-Butylbenzene	17.29	105	4594769	9.740	ppbv	97
69) p-Isopropyltoluene	17.64	119	3554227	9.473	ppbv	96
70) n-Butylbenzene	18.54	91	3849399	10.380	ppbv	99
71) 2-Chlorotoluene	15.44	91	3192037	10.255	ppbv	95
72) 4-Ethyltoluene	15.83	105	3074532	10.217	ppbv	97
73) 1,3,5-Trimethylbenzene	15.99	105	2854192	9.931	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	2826572	9.798	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	1385253	9.592	ppbv	97
76) 1,4-Dichlorobenzene	17.13	146	1375314	9.354	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	1272114	9.226	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	939713	8.503	ppbv	98
79) Naphthalene	22.19	128	1672714	11.406	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	664790	20.273	ppbv	92
81) 1,2,4-Trichlorobenzene	21.91	180	964698m	9.846	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

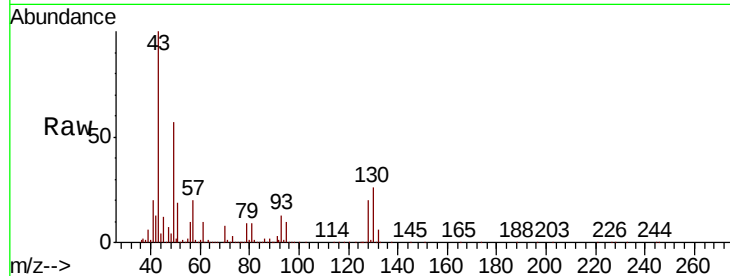
Tot Ion: 49 Resp: 1257470

Ion Ratio Lower Upper

49 100

128 36.7 21.1 63.1

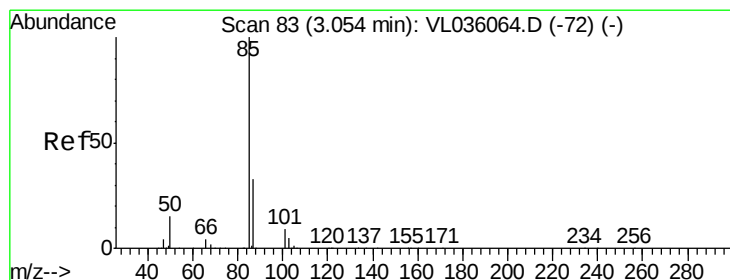
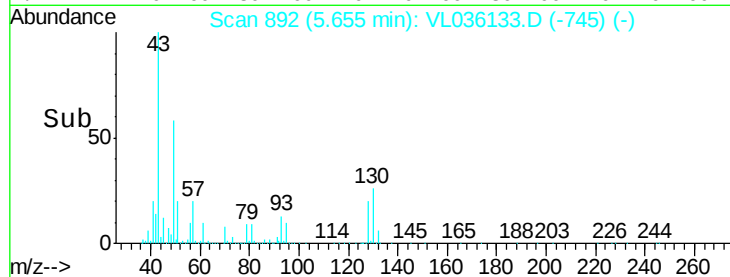
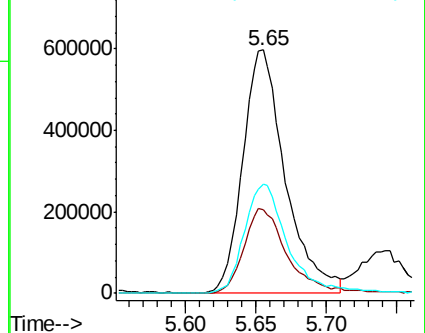
130 46.7 27.1 81.3



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: 7.699 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036133.D

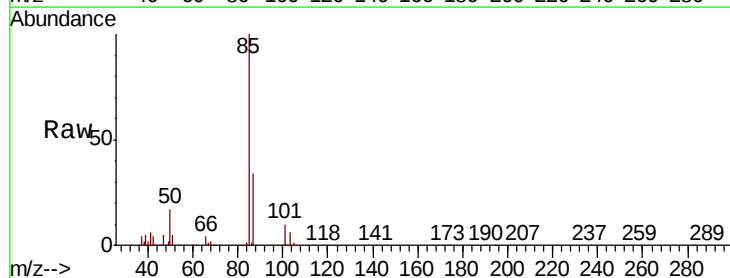
Acq: 10 Dec 2020 17:43

Tgt Ion: 85 Resp: 1128240

Ion Ratio Lower Upper

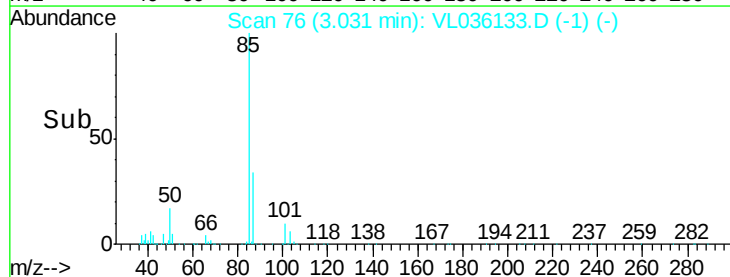
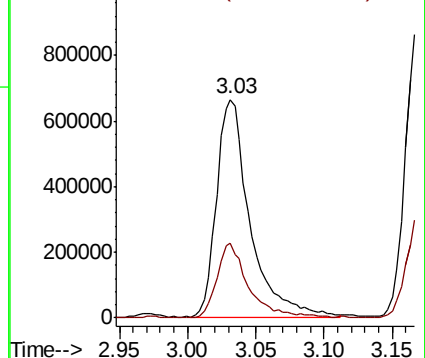
85 100

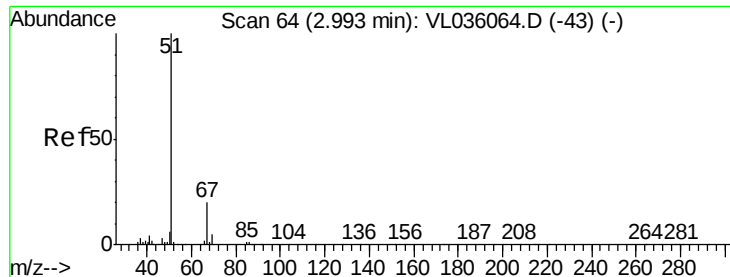
87 34.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.480 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036133.D

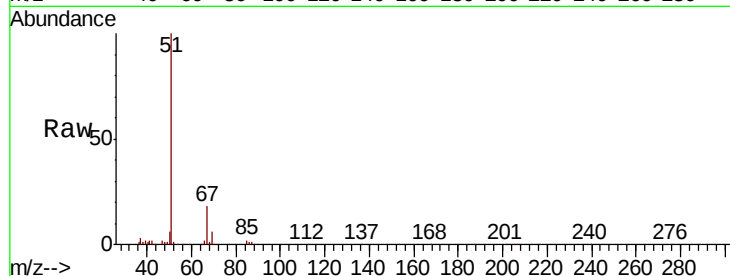
Acq: 10 Dec 2020 17:43

Tot Ion: 51 Resp: 1503547

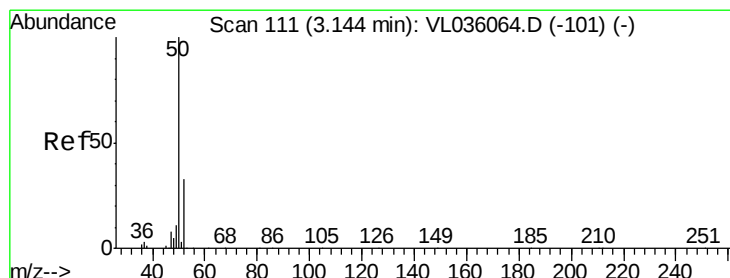
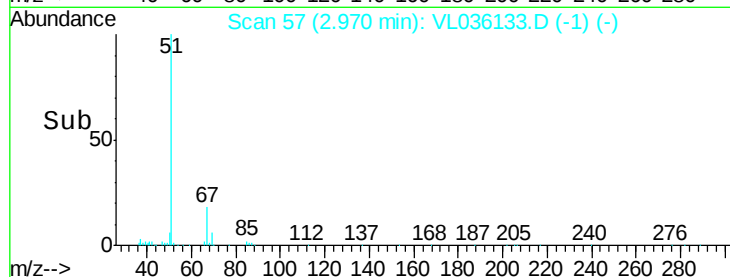
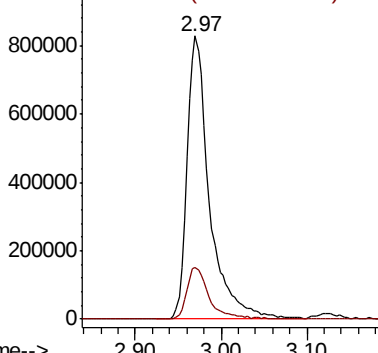
Ion Ratio Lower Upper

51 100

67 18.6 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.222 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036133.D

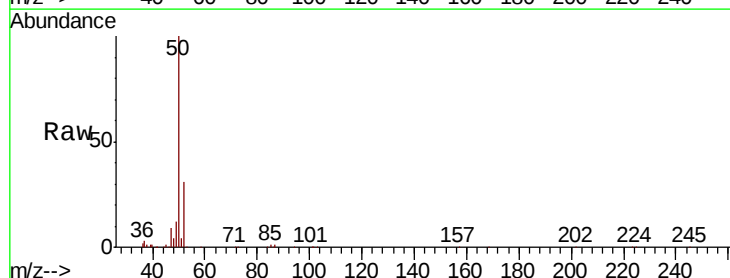
Acq: 10 Dec 2020 17:43

Tgt Ion: 50 Resp: 720005

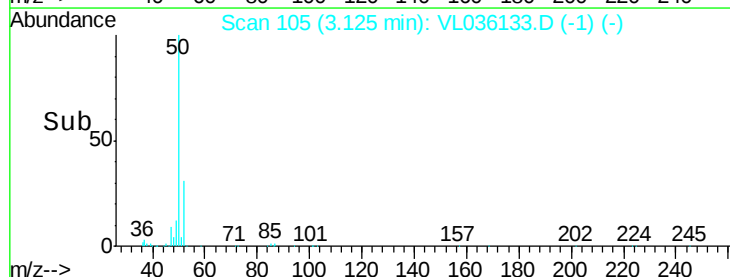
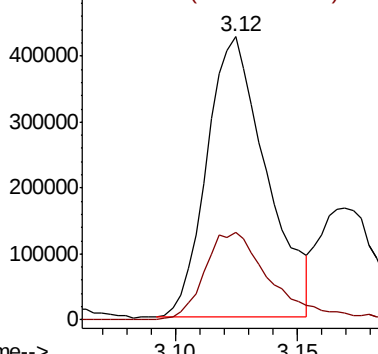
Ion Ratio Lower Upper

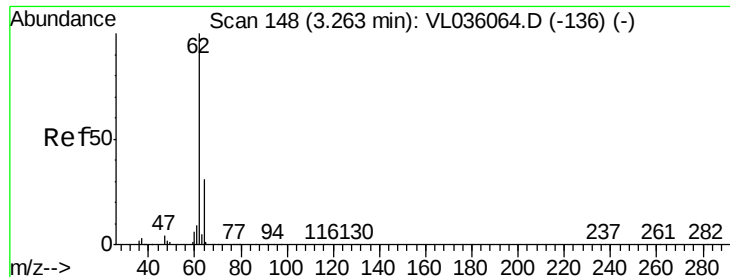
50 100

52 31.2 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: 8.995 ppbv

RT: 3.24 min Scan# 141

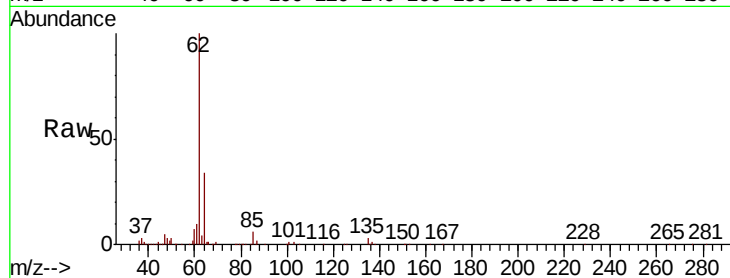
Delta R.T. -0.02 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

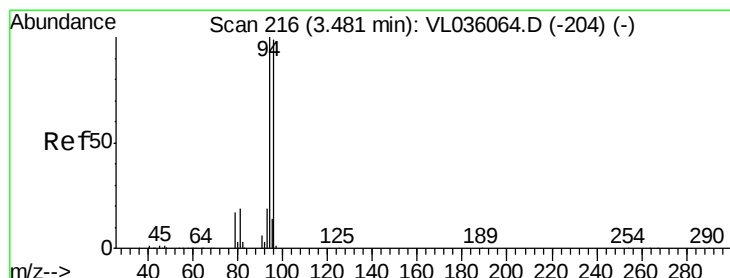
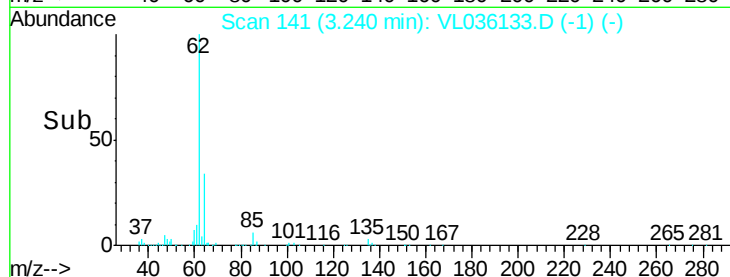
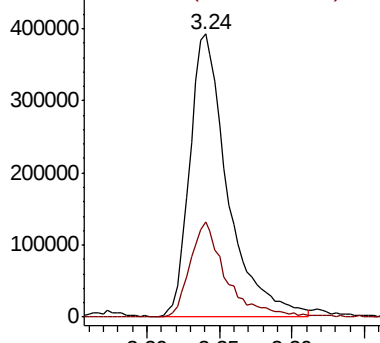
Tot Ion: 62 Resp: 704902

Ion	Ratio	Lower	Upper
62	100		
64	33.7	24.5	36.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.646 ppbv

RT: 3.46 min Scan# 209

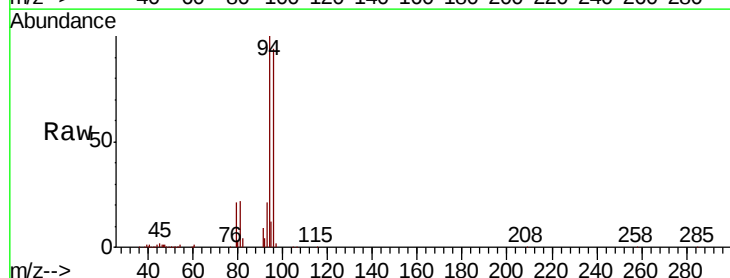
Delta R.T. -0.02 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

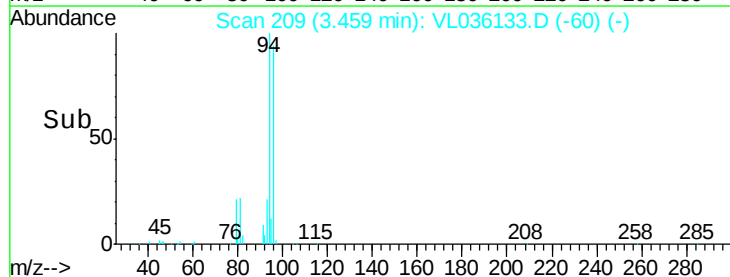
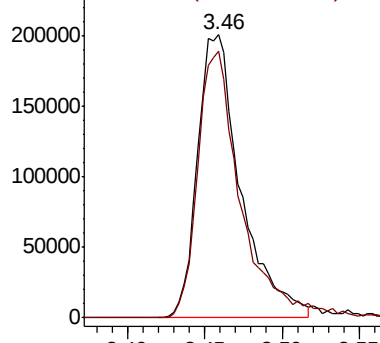
Tgt Ion: 94 Resp: 390006

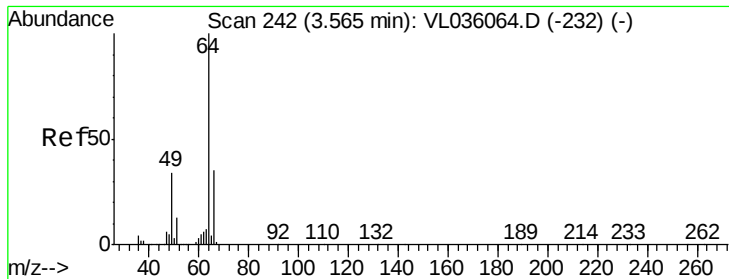
Ion	Ratio	Lower	Upper
94	100		
96	94.2	79.4	119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.232 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.03 min

Lab File: VL036133.D

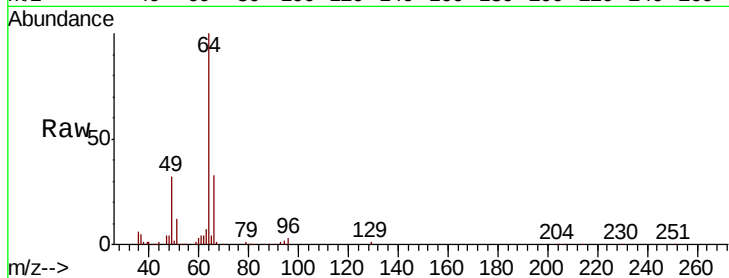
Acq: 10 Dec 2020 17:43

Tot Ion: 64 Resp: 246453

Ion Ratio Lower Upper

64 100

66 32.9 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

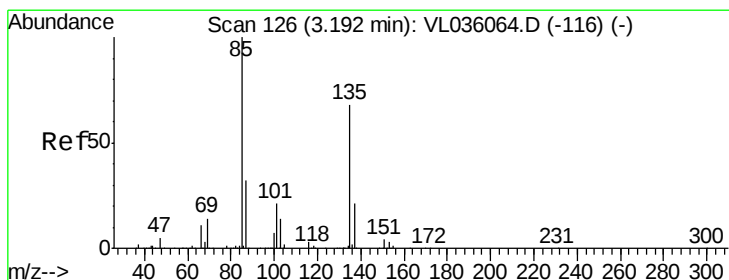
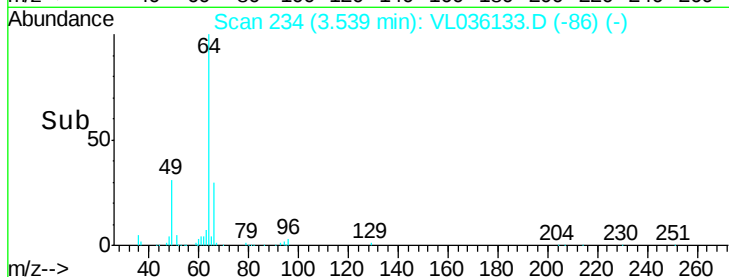
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.858 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.02 min

Lab File: VL036133.D

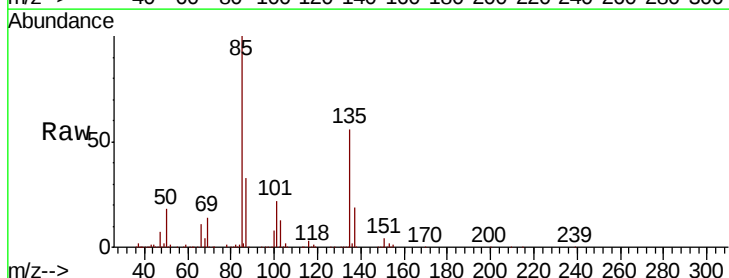
Acq: 10 Dec 2020 17:43

Tgt Ion: 85 Resp: 1605513

Ion Ratio Lower Upper

85 100

135 57.8 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1000000

800000

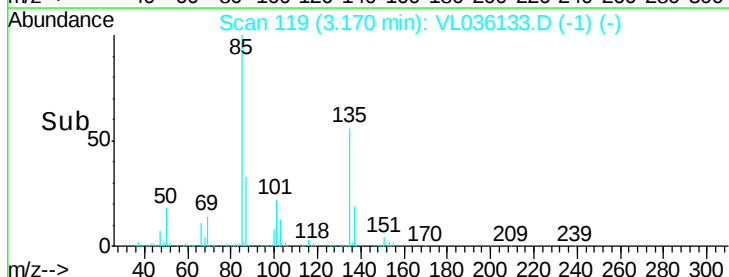
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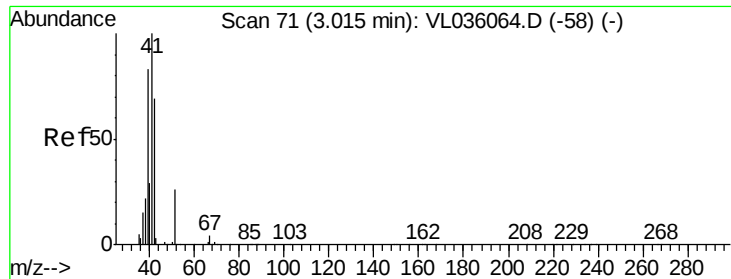
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200000

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Time-->





#9

Propene

Concen: 9.737 ppbv

RT: 2.99 min Scan# 64

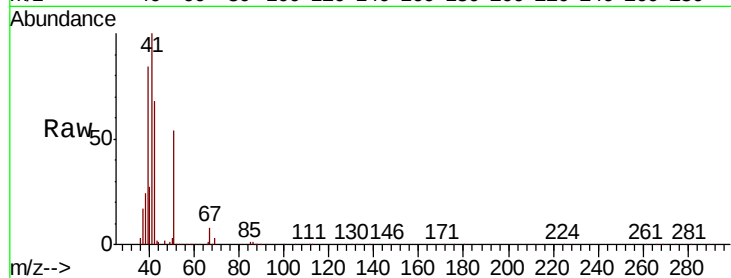
Delta R.T. -0.02 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

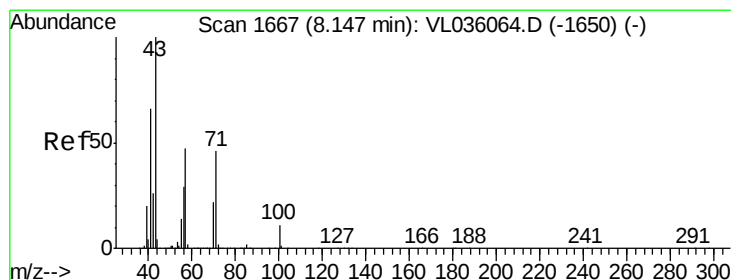
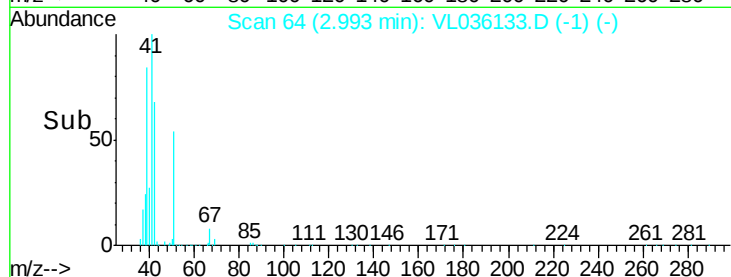
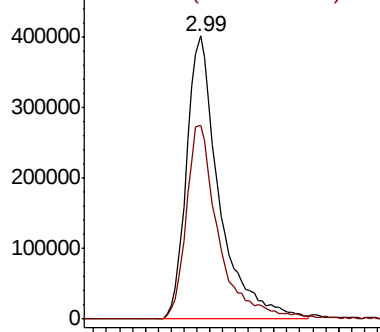
Tot Ion: 41 Resp: 699777

Ion	Ratio	Lower	Upper
41	100		
42	69.0	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: 9.752 ppbv

RT: 8.11 min Scan# 1655

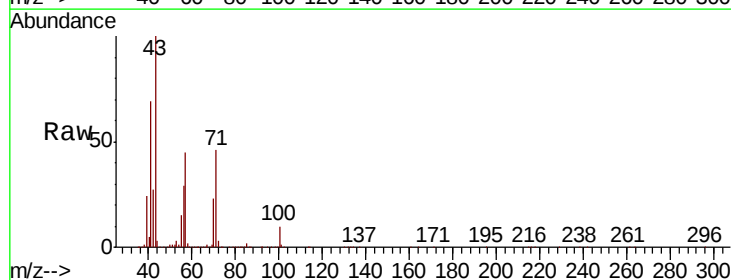
Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

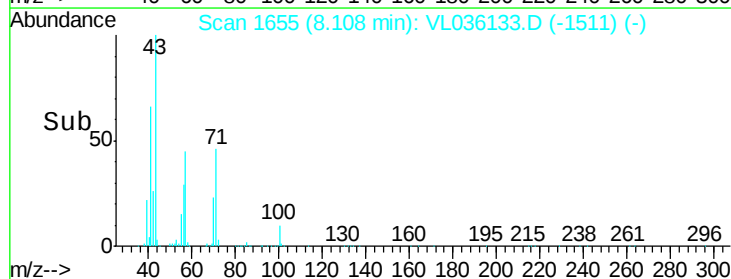
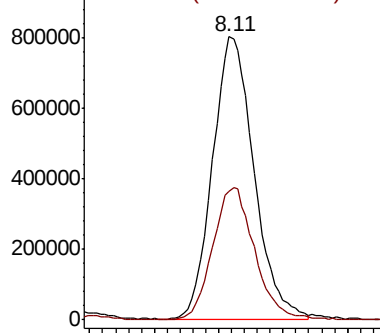
Tgt Ion: 43 Resp: 1790064

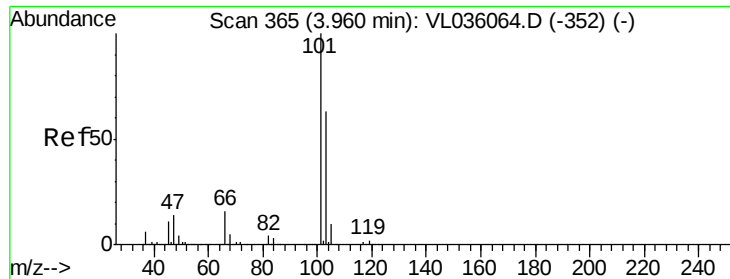
Ion	Ratio	Lower	Upper
43	100		
57	47.8	37.9	56.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

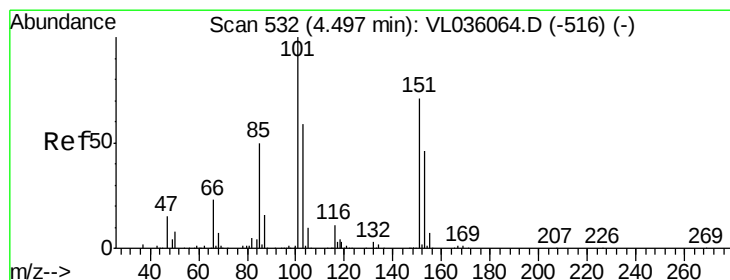
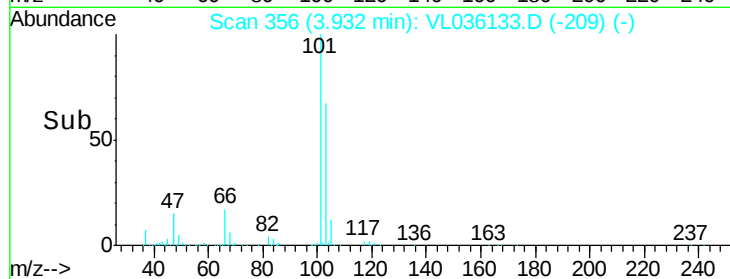
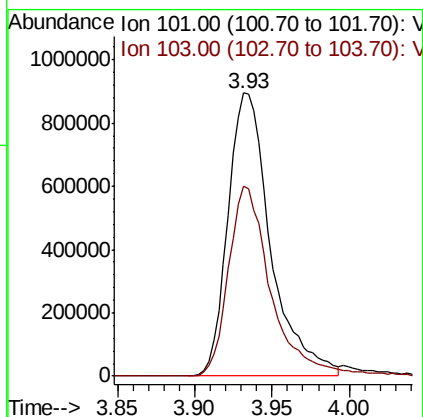
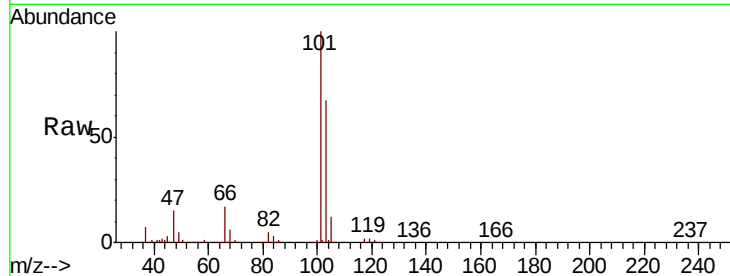
Ion 57.10 (56.80 to 57.80): VL0





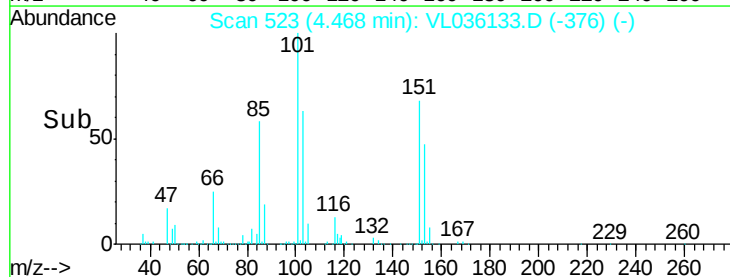
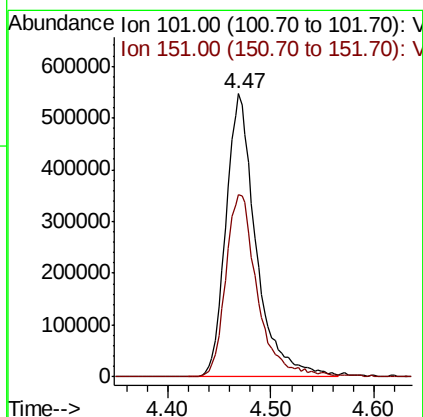
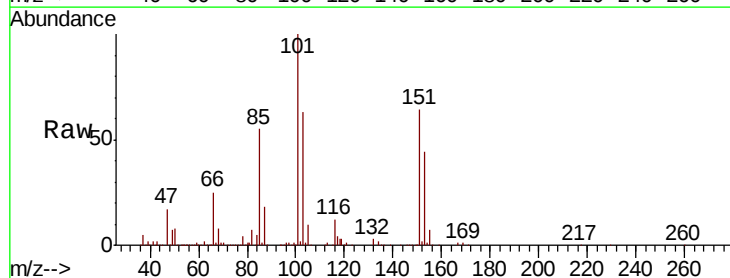
#11
 Trichlorofluoromethane
 Concen: 9.960 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.03 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

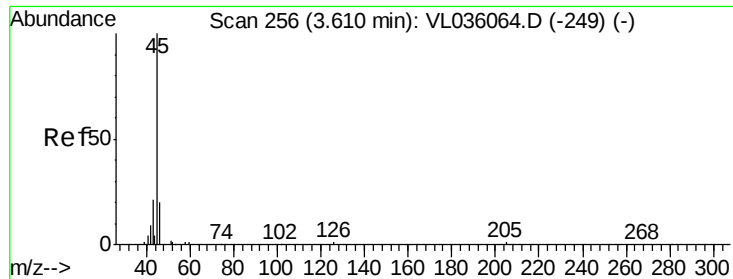
Tot Ion:101 Resp: 1716081
 Ion Ratio Lower Upper
 101 100
 103 66.9 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.530 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.03 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

Tgt Ion:101 Resp: 1115151
 Ion Ratio Lower Upper
 101 100
 151 68.0 59.3 88.9





#13

Ethanol

Concen: 10.061 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL036133.D

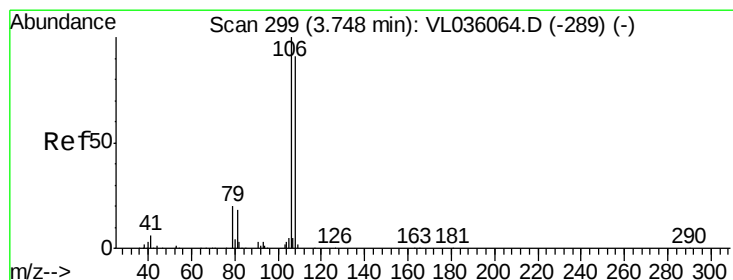
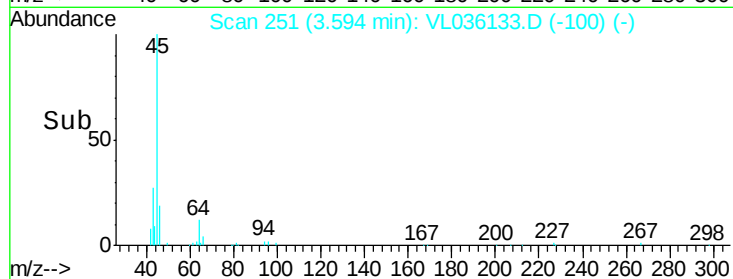
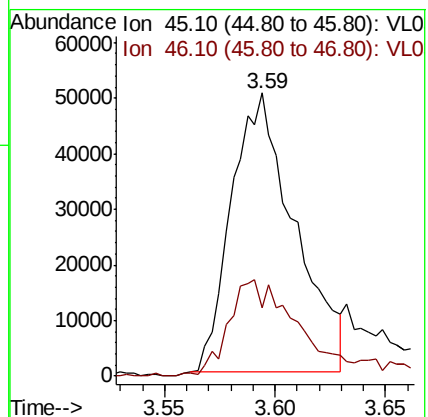
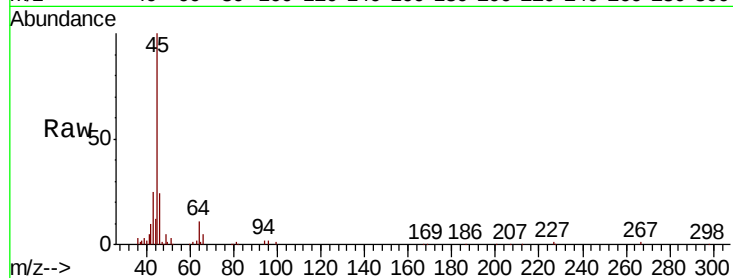
Acq: 10 Dec 2020 17:43

Tot Ion: 45 Resp: 99678

Ion Ratio Lower Upper

45 100

46 47.7 19.0 75.8



#14

Bromoethene

Concen: 9.805 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

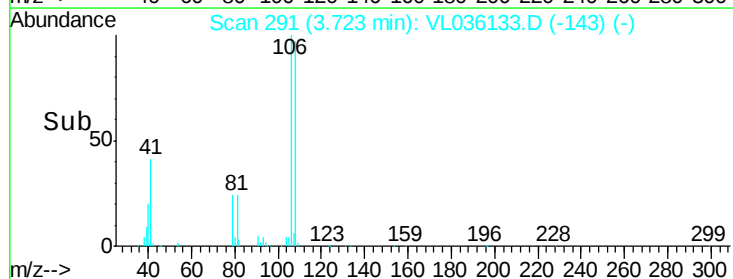
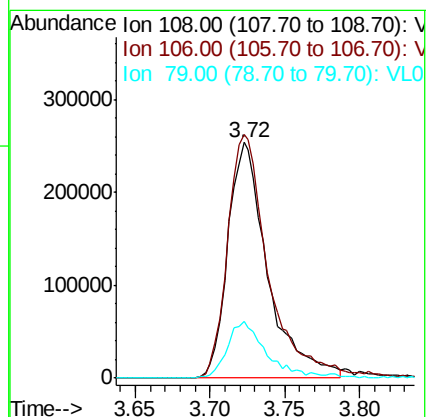
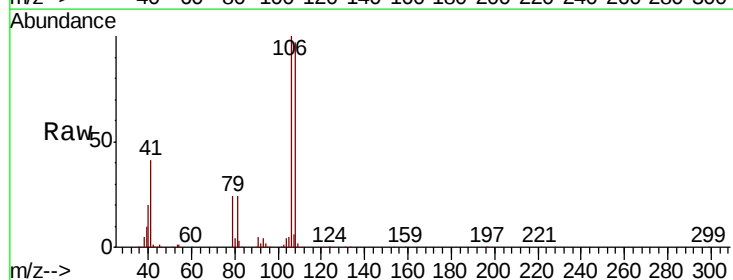
Tgt Ion: 108 Resp: 470695

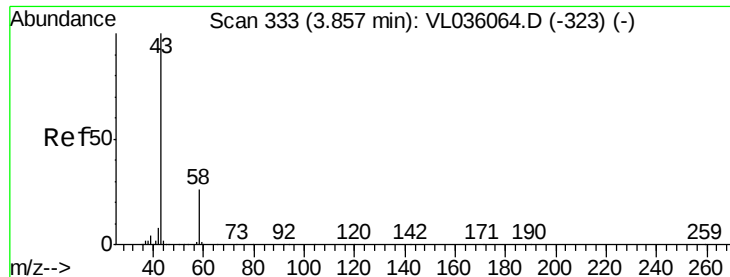
Ion Ratio Lower Upper

108 100

106 107.8 91.0 136.4

79 24.8 19.3 28.9





#15

Acetone

Concen: 9.093 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036133.D

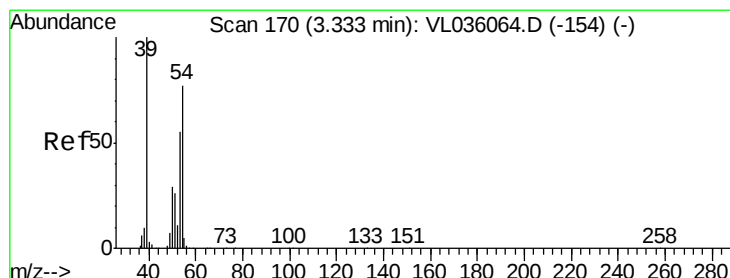
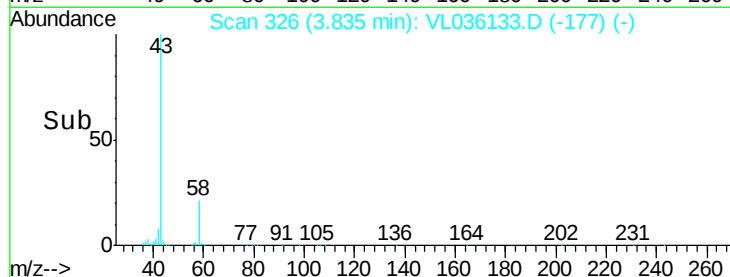
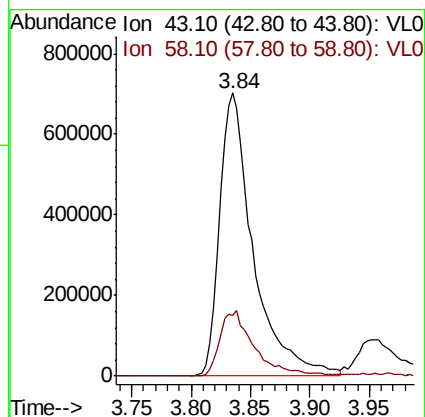
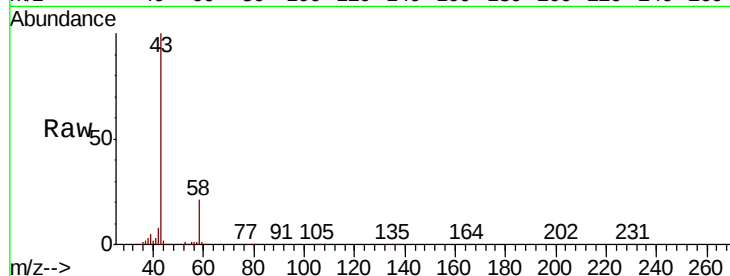
Acq: 10 Dec 2020 17:43

Tot Ion: 43 Resp: 1374241

Ion Ratio Lower Upper

43 100

58 23.8 20.9 31.3



#16

1,3-Butadiene

Concen: 9.298 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.03 min

Lab File: VL036133.D

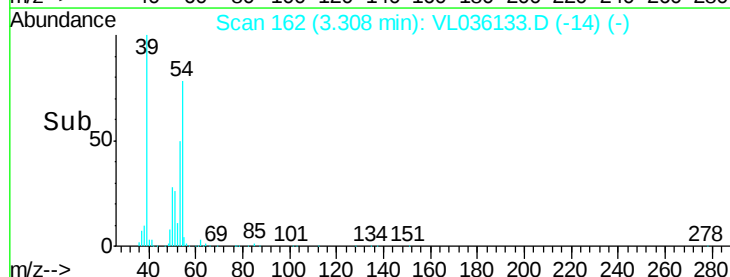
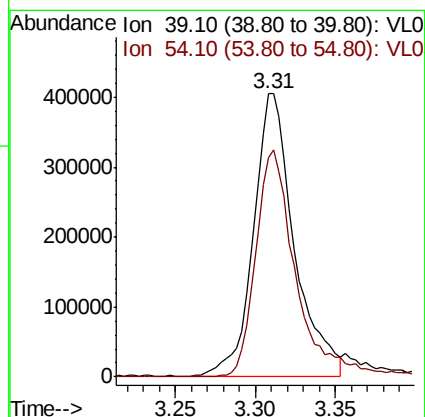
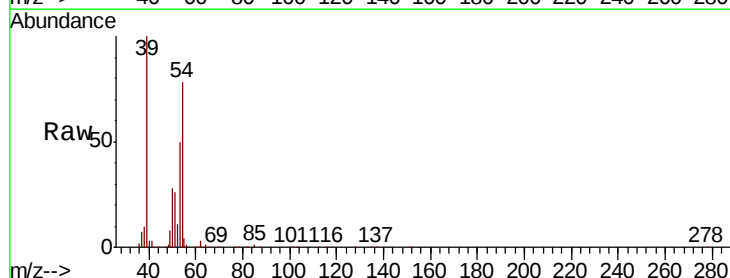
Acq: 10 Dec 2020 17:43

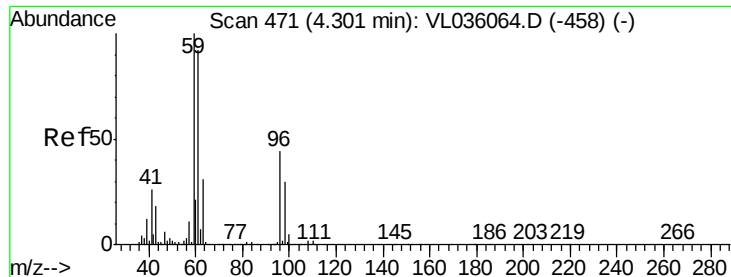
Tgt Ion: 39 Resp: 707770

Ion Ratio Lower Upper

39 100

54 80.5 62.1 93.1



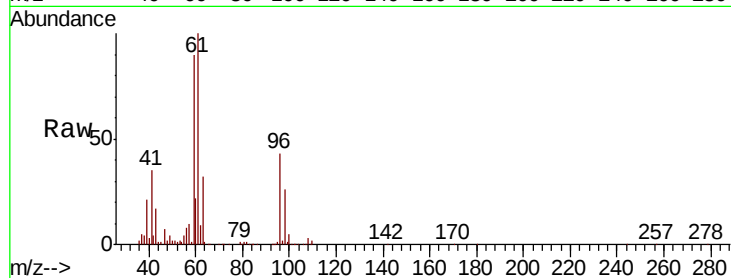


#17

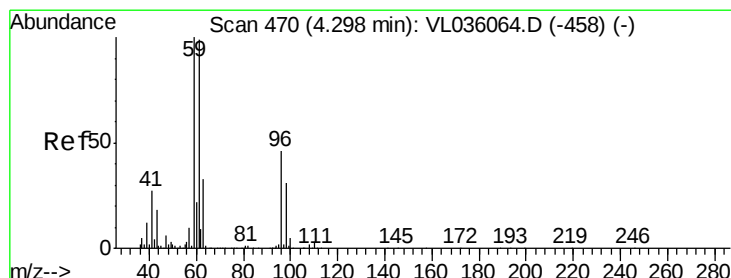
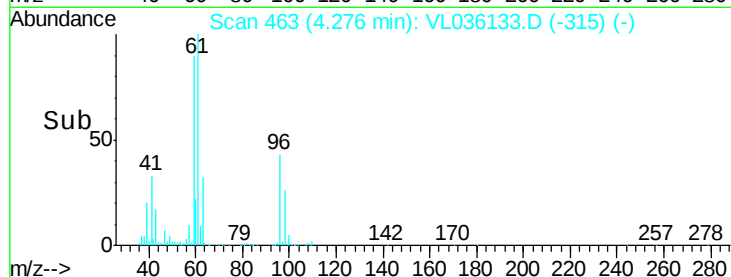
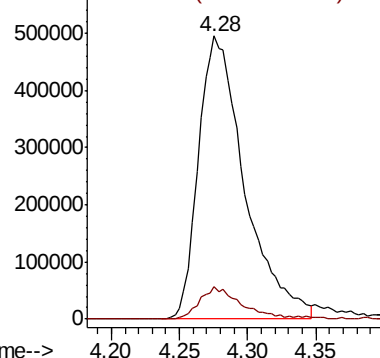
tert-Butyl alcohol
Concen: 7.953 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.03 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

Tot Ion: 59 Resp: 1164272

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.7	13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

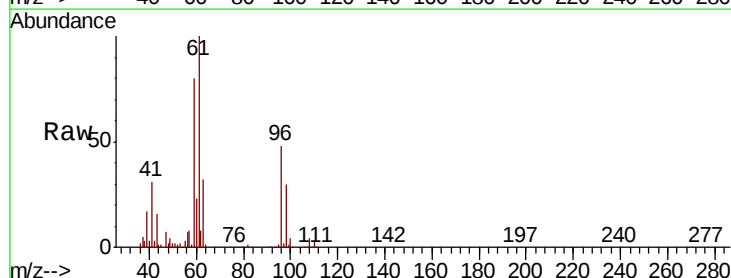


#18

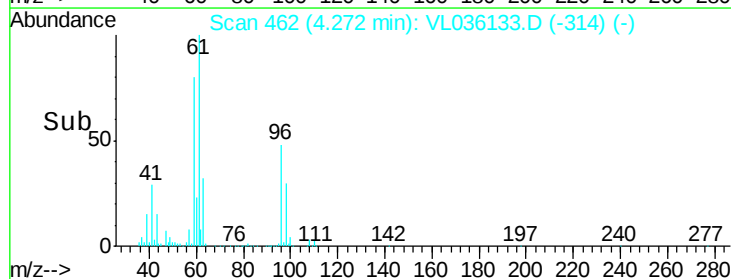
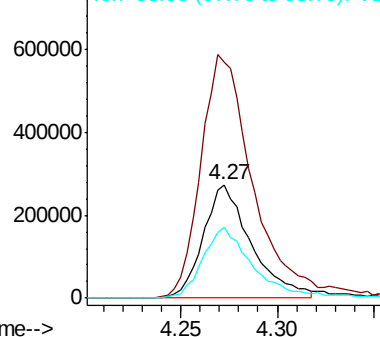
1,1-Dichloroethene
Concen: 9.028 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.03 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

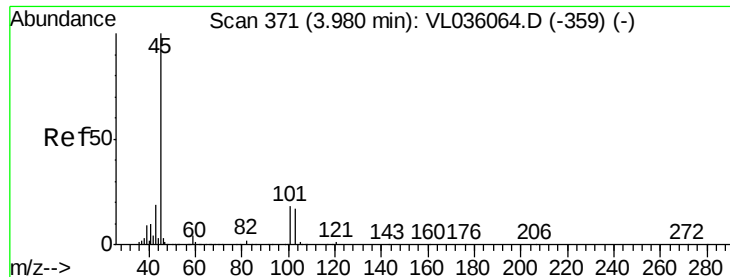
Tgt Ion: 96 Resp: 469022

Ion	Ratio	Lower	Upper
96	100		
61	206.5	171.4	257.2
98	62.3	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: 8.319 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.03 min

Lab File: VL036133.D

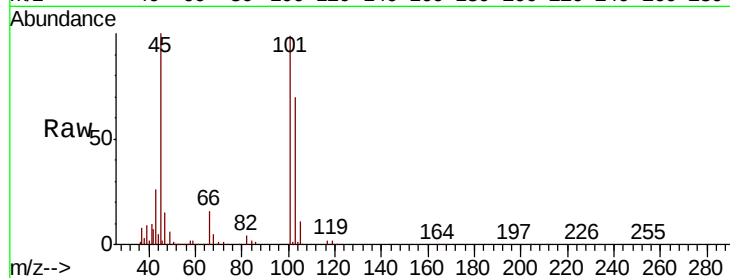
Acq: 10 Dec 2020 17:43

Tot Ion: 45 Resp: 768416

Ion Ratio Lower Upper

45 100

58 2.0 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

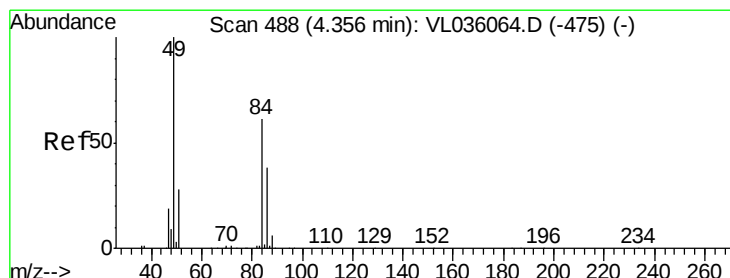
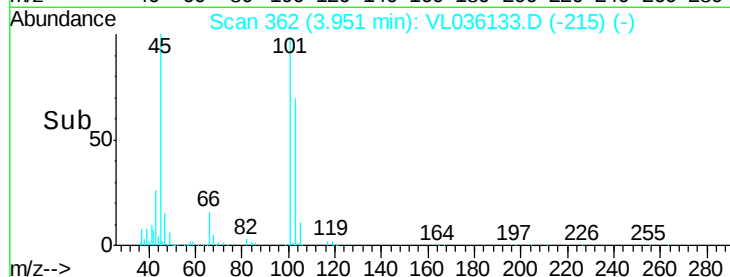
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.322 ppbv m

RT: 4.33 min Scan# 479

Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion: 84 Resp: 453465

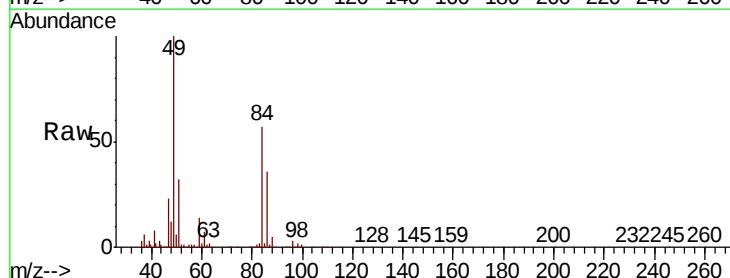
Ion Ratio Lower Upper

84 100

49 175.0 133.0 199.4

51 56.7 38.9 58.3

86 63.2 48.8 73.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

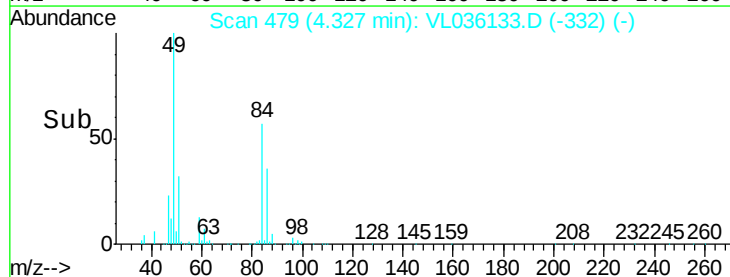
300000

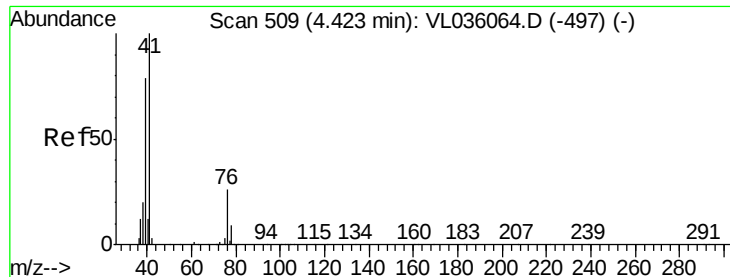
200000

100000

0

Time-->





#21

Allvl Chloride

Concen: 9.275 ppbv m

RT: 4.39 min Scan# 500

Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

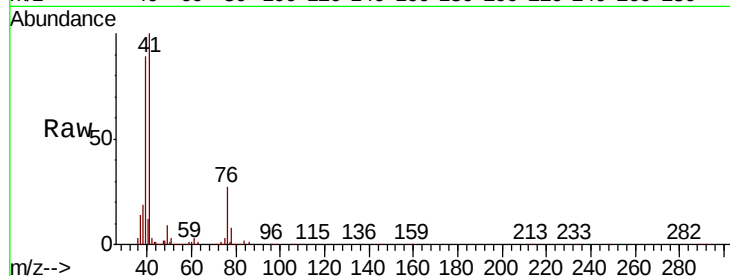
Tot Ion: 41 Resp: 932035

Ion Ratio Lower Upper

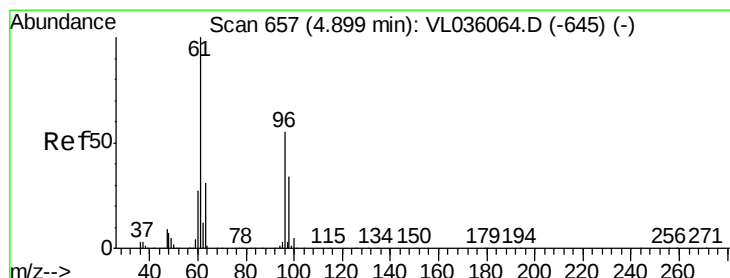
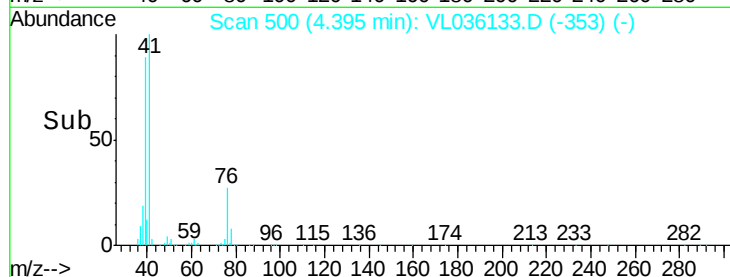
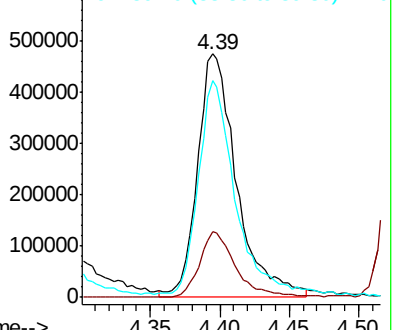
41 100

76 25.4 21.0 31.4

39 87.3 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: 9.337 ppbv m

RT: 4.87 min Scan# 647

Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

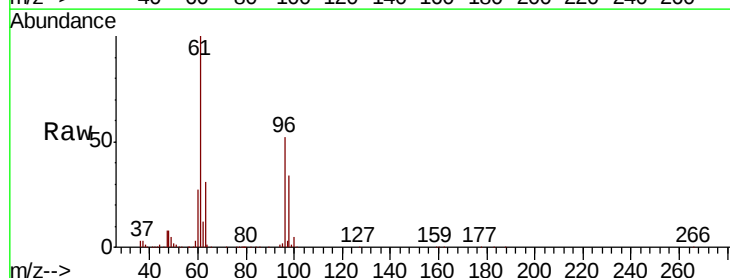
Tgt Ion: 96 Resp: 485656

Ion Ratio Lower Upper

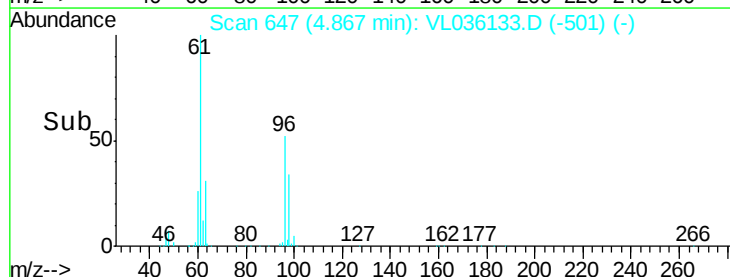
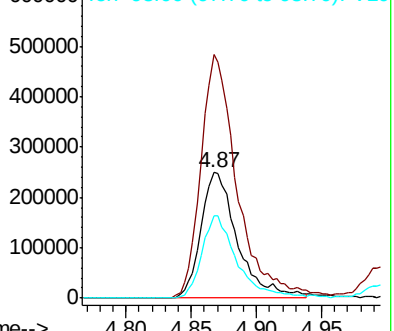
96 100

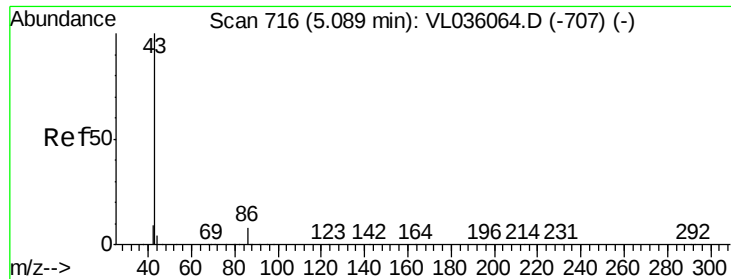
61 194.1 145.7 218.5

98 65.3 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: 9.775 ppbv

RT: 5.06 min Scan# 707

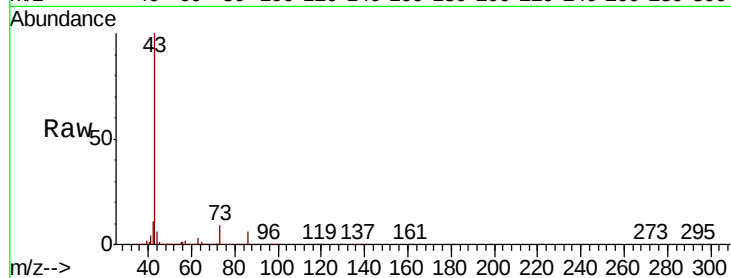
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tot Ion: 43 Resp: 1966749

Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.0	7.4
42	11.0	7.8	11.6
44	5.2	3.2	4.8#

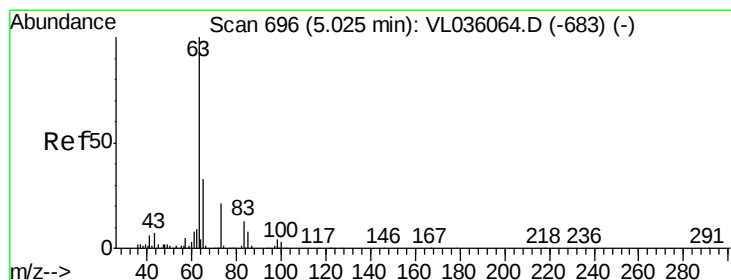
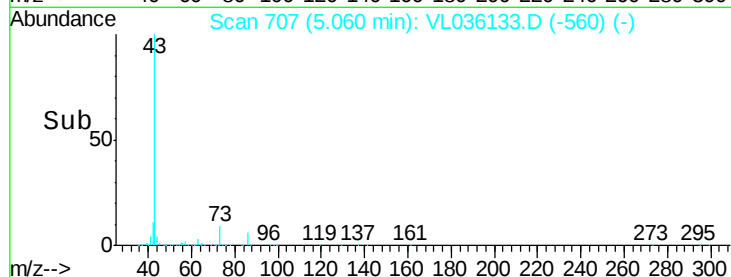
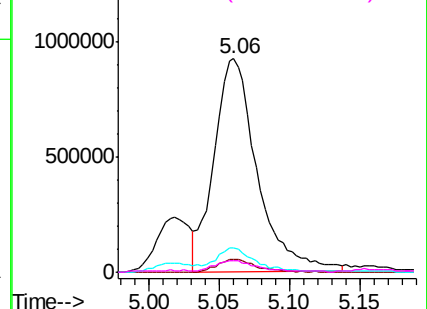


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.448 ppbv

RT: 5.00 min Scan# 687

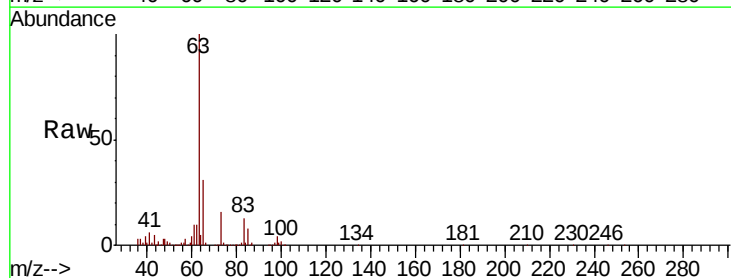
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion: 63 Resp: 1336998

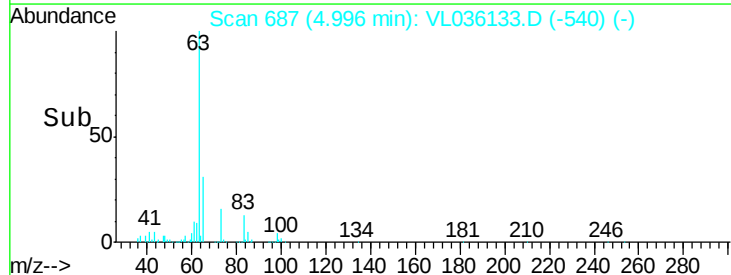
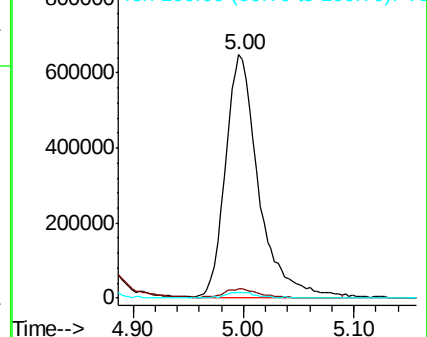
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.2	6.6
100	2.3	1.5	4.4

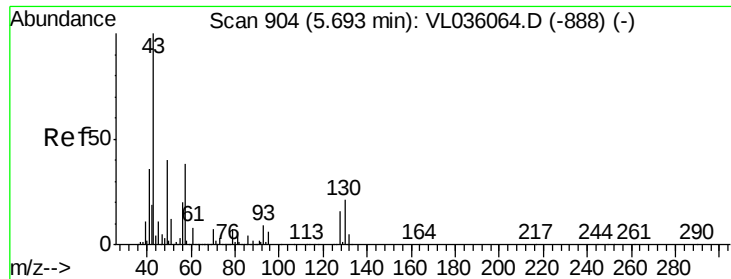


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.664 ppbv

RT: 5.66 min Scan# 895

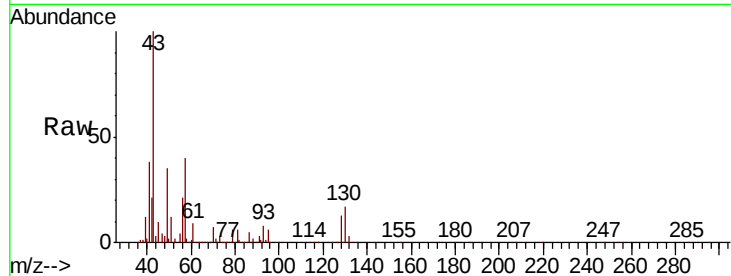
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tot Ion: 43 Resp: 2917768

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.3	7.4	11.2
70	6.7	5.4	8.0



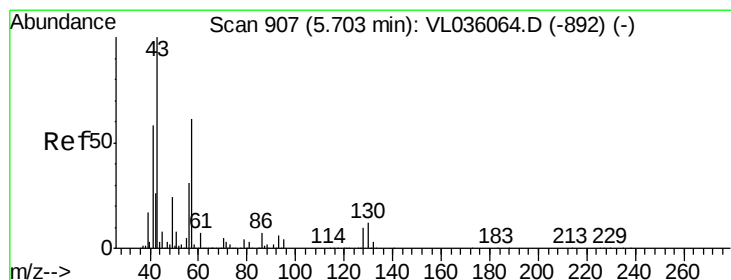
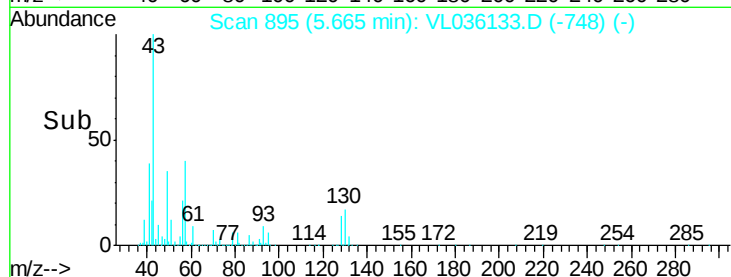
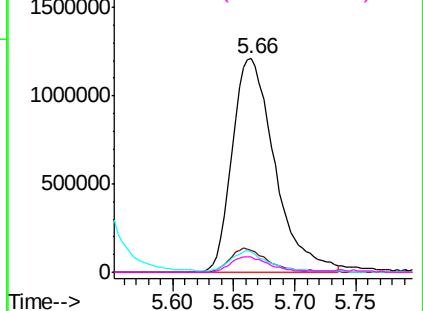
Abundance

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: 8.818 ppbv

RT: 5.67 min Scan# 898

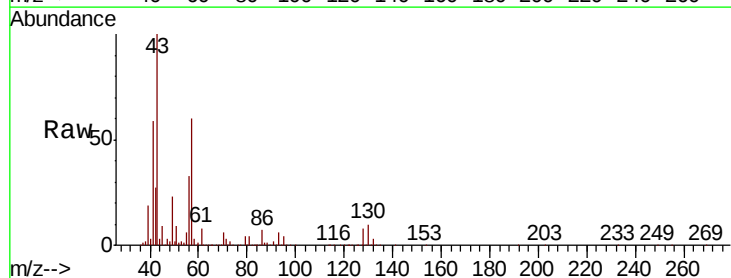
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion: 57 Resp: 1198124

Ion	Ratio	Lower	Upper
57	100		
41	106.2	82.9	124.3
43	250.1	199.9	299.9
56	55.1	43.1	64.7



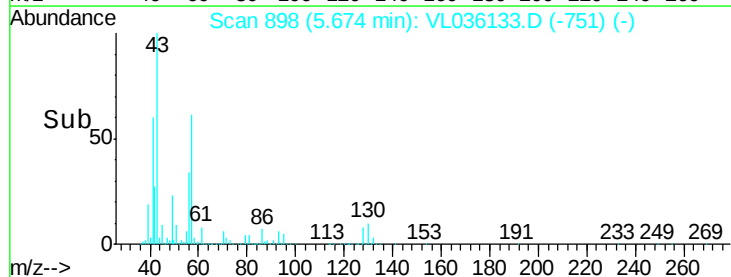
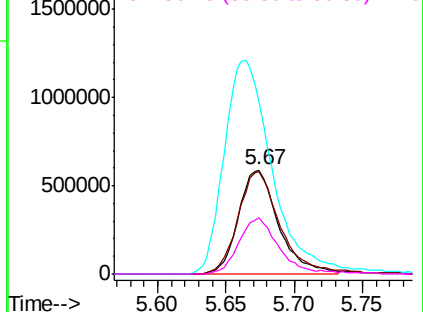
Abundance

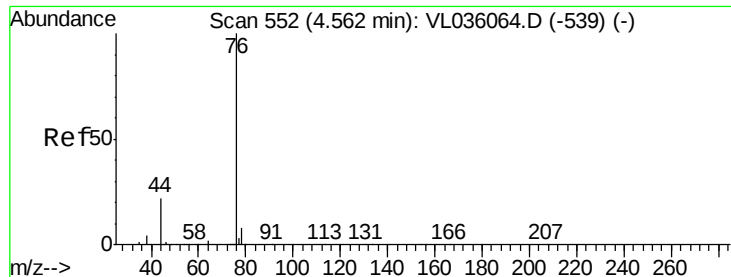
Ion 57.10 (56.80 to 57.80): VL0

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: 9.266 ppbv

RT: 4.53 min Scan# 543

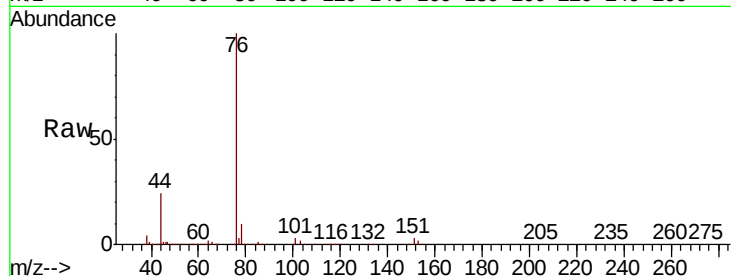
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tot Ion: 76 Resp: 1251296

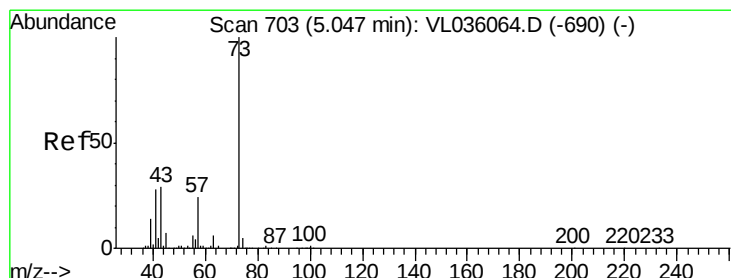
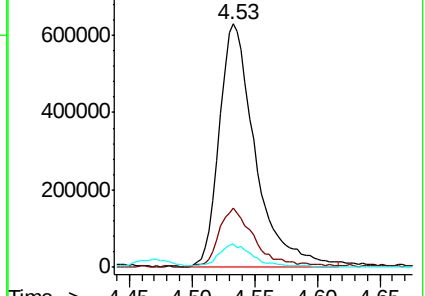
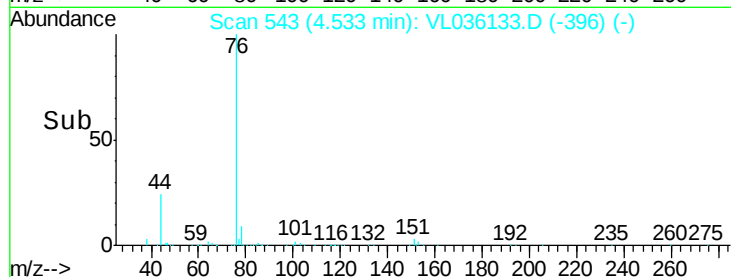
Ion	Ratio	Lower	Upper
76	100		
44	25.2	17.9	26.9
78	9.4	7.8	11.8



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.856 ppbv

RT: 5.02 min Scan# 694

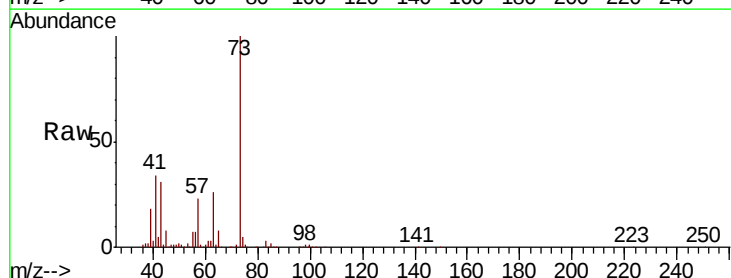
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

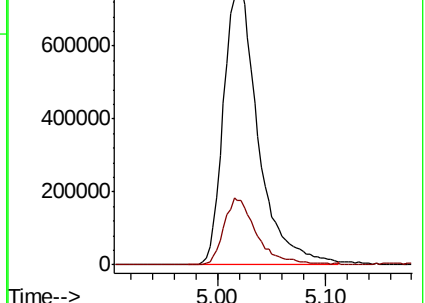
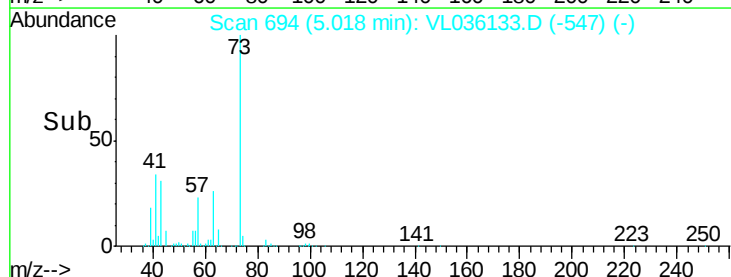
Tgt Ion: 73 Resp: 1710762

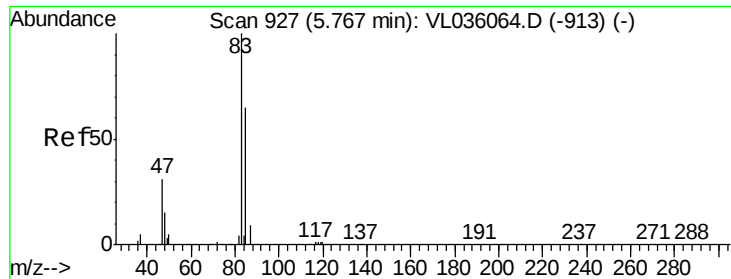
Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.2	28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.273 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.03 min

Lab File: VL036133.D

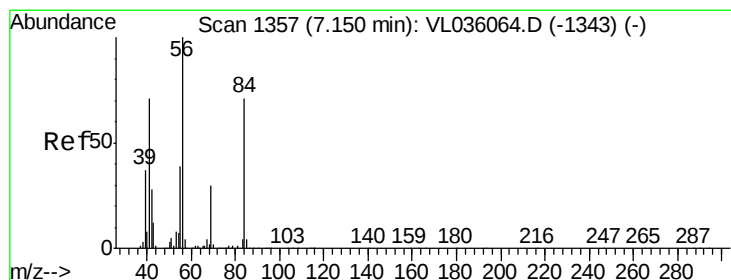
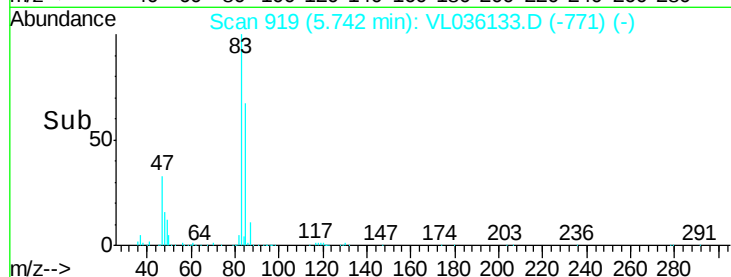
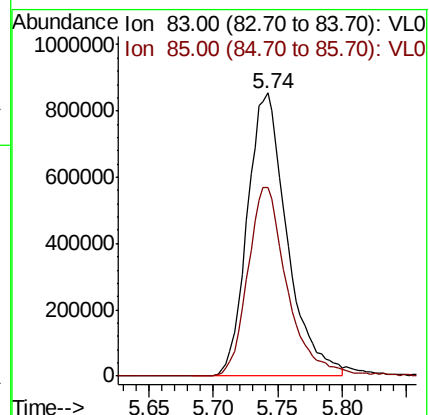
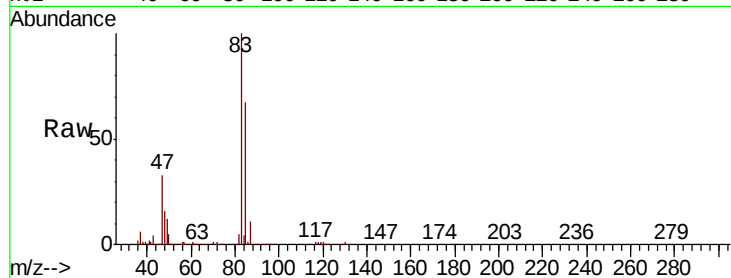
Acq: 10 Dec 2020 17:43

Tot Ion: 83 Resp: 1833078

Ion Ratio Lower Upper

83 100

85 66.6 51.8 77.6



#30

Cyclohexane

Concen: 9.584 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

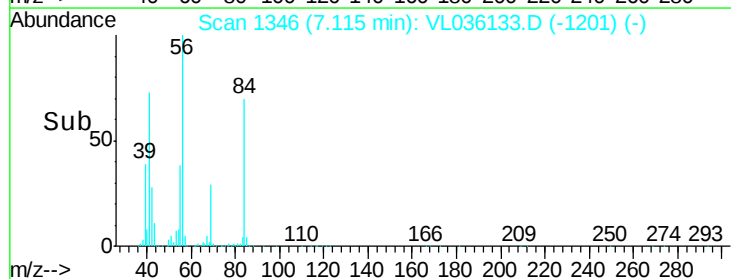
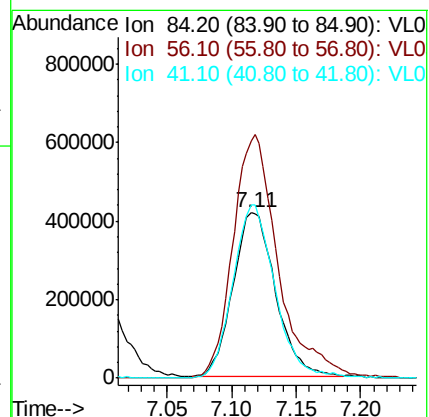
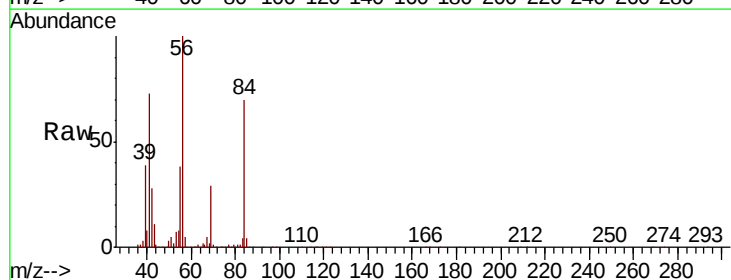
Tgt Ion: 84 Resp: 956660

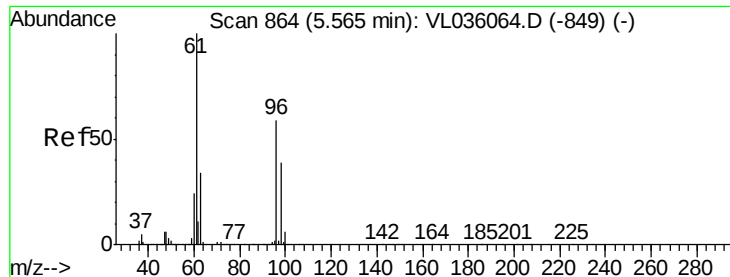
Ion Ratio Lower Upper

84 100

56 159.5 128.0 192.0

41 105.6 81.3 121.9



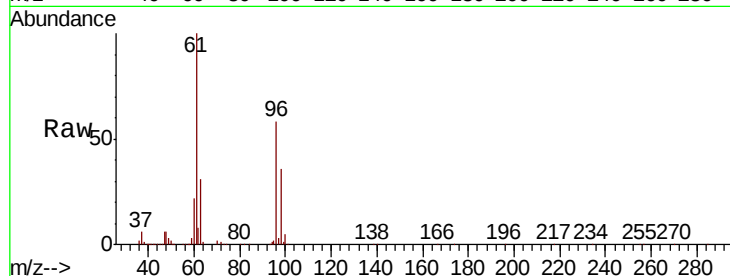


#31

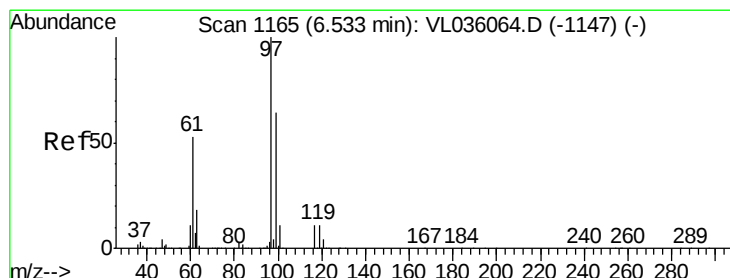
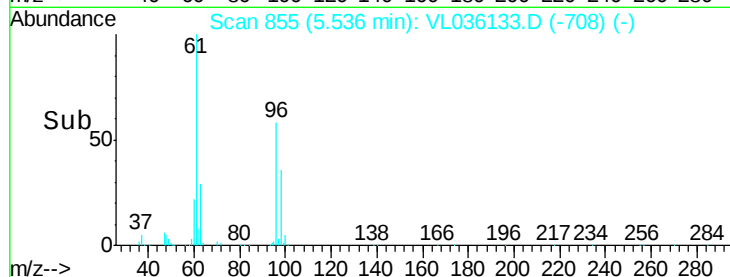
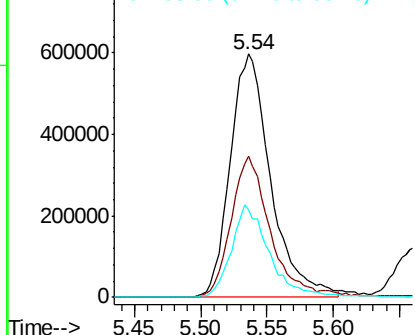
cis-1,2-Dichloroethene
Concen: 10.245 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.03 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

Tot Ion: 61 Resp: 1265513

Ion	Ratio	Lower	Upper
61	100		
96	57.9	47.3	70.9
98	35.8	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

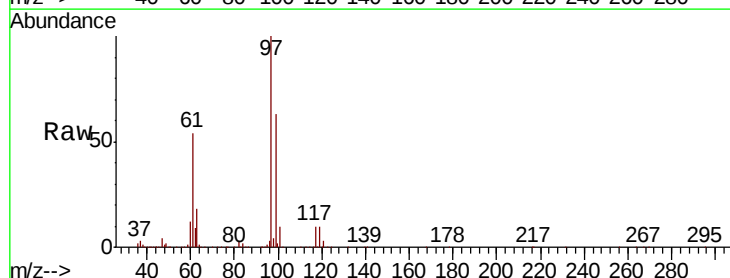


#32

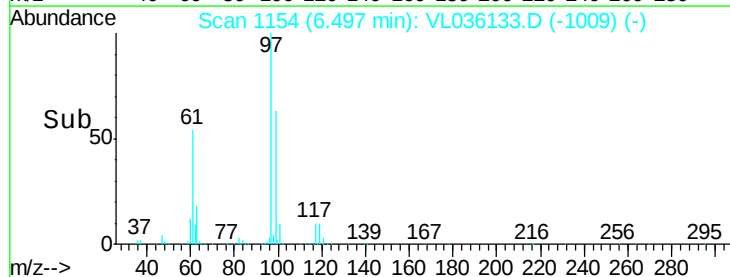
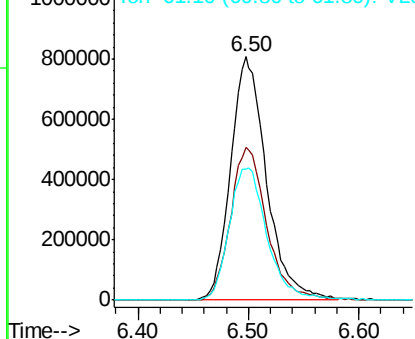
1,1,1-Trichloroethane
Concen: 9.877 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.04 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

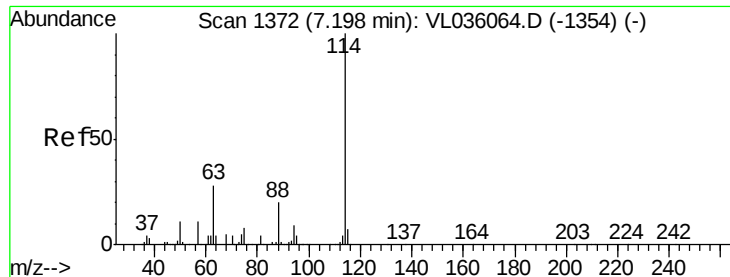
Tgt Ion: 97 Resp: 1818689

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	57.6	43.4	65.0



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

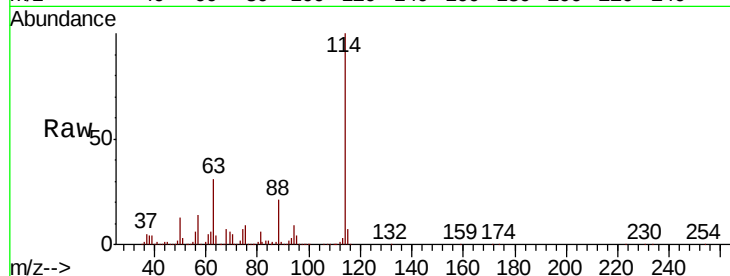
Tot Ion:114 Resp: 2575266

Ion Ratio Lower Upper

114 100

63 32.7 23.6 35.4

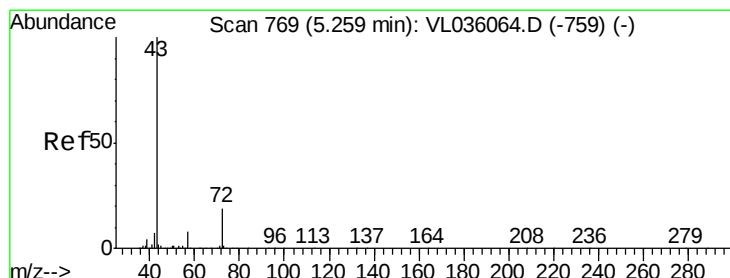
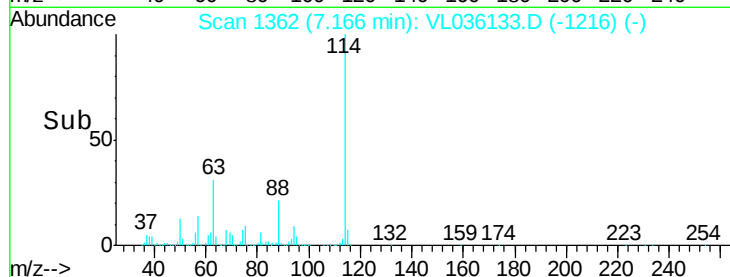
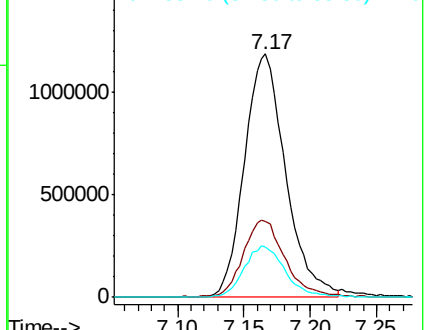
88 21.4 15.8 23.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.500 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.03 min

Lab File: VL036133.D

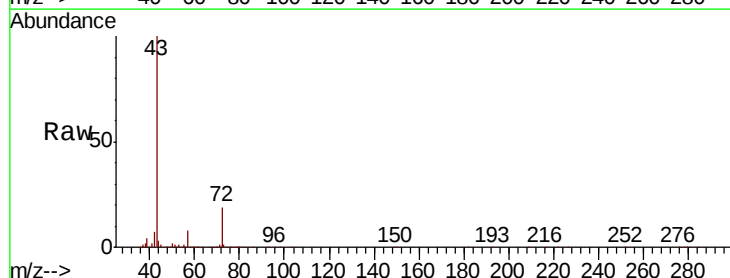
Acq: 10 Dec 2020 17:43

Tgt Ion: 43 Resp: 1793611

Ion Ratio Lower Upper

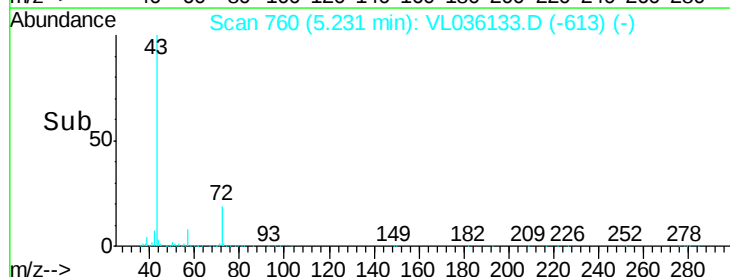
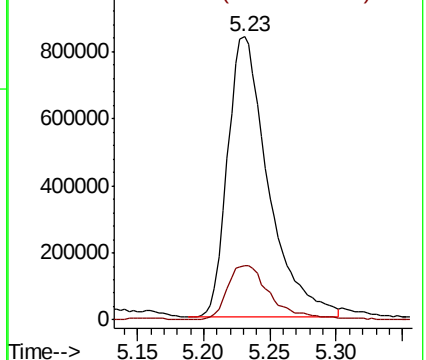
43 100

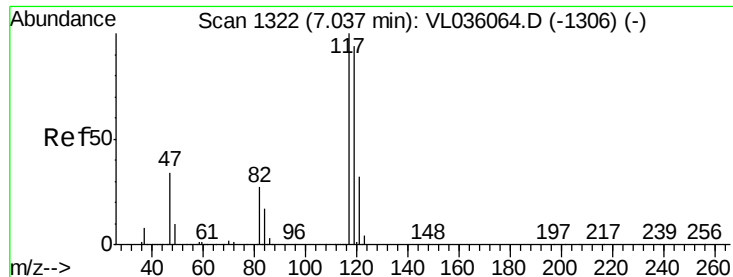
72 20.7 16.5 24.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.736 ppbv

RT: 7.01 min Scan# 1312

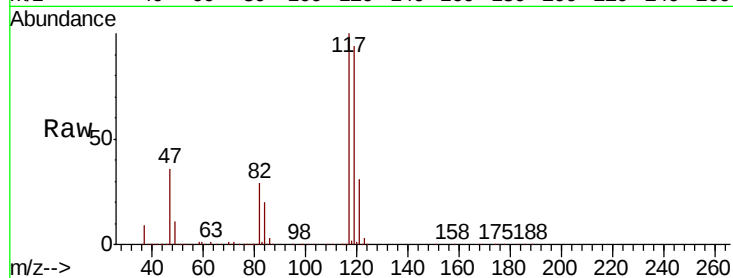
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tot Ion:117 Resp: 1762445

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.1	112.7
121	30.6	25.6	38.4

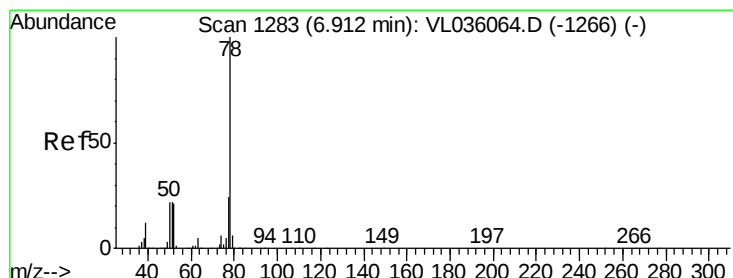
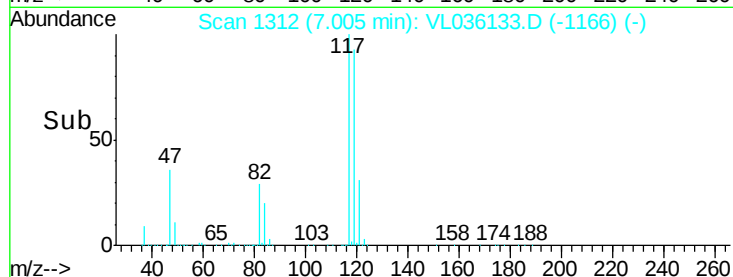
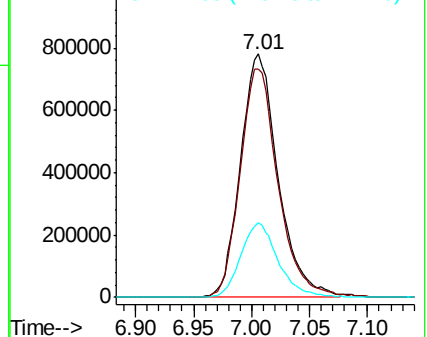


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.085 ppbv

RT: 6.88 min Scan# 1272

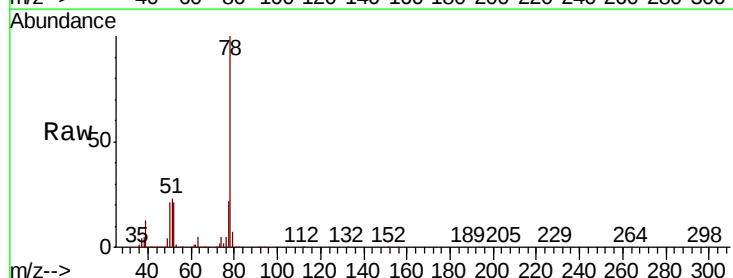
Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion: 78 Resp: 2419285

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.4	29.2
50	20.8	17.8	26.8

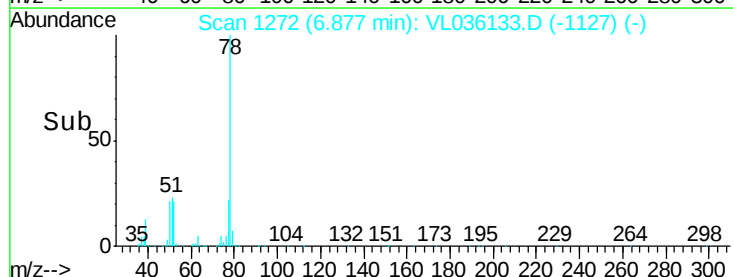
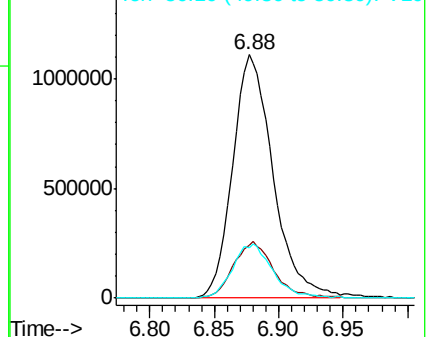


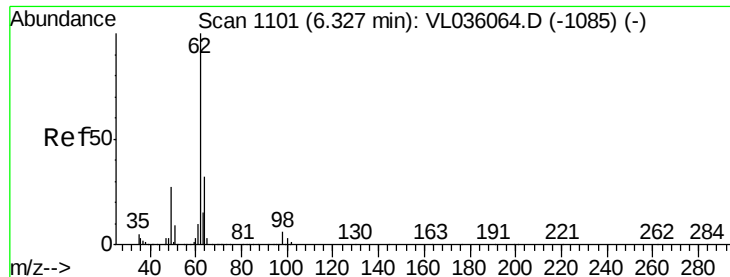
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 12.385 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VL036133.D

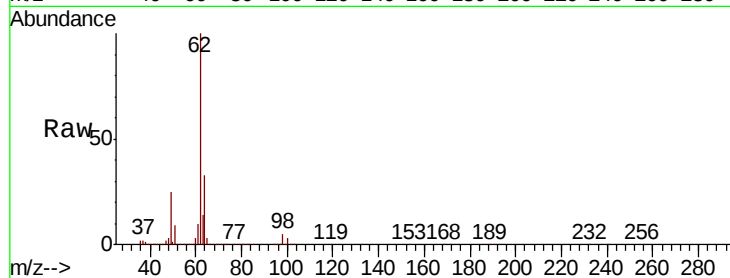
Acq: 10 Dec 2020 17:43

Tot Ion: 62 Resp: 1566251

Ion Ratio Lower Upper

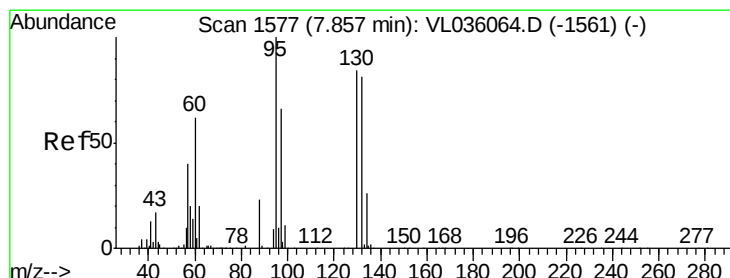
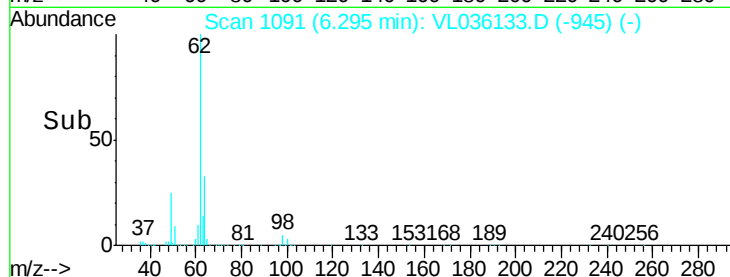
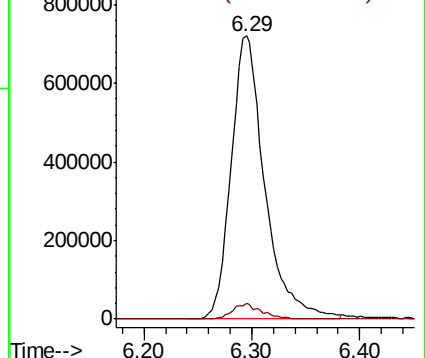
62 100

98 5.2 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.232 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion: 130 Resp: 753152

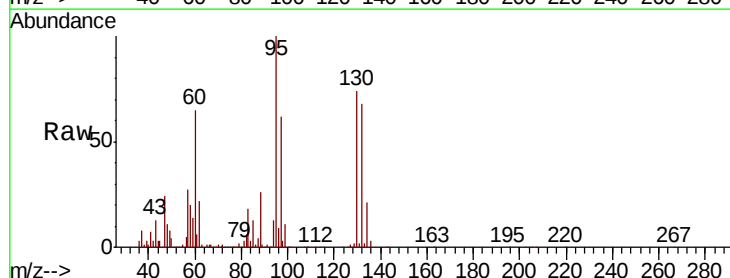
Ion Ratio Lower Upper

130 100

95 135.1 95.2 142.8

132 91.3 76.9 115.3

97 84.4 62.3 93.5

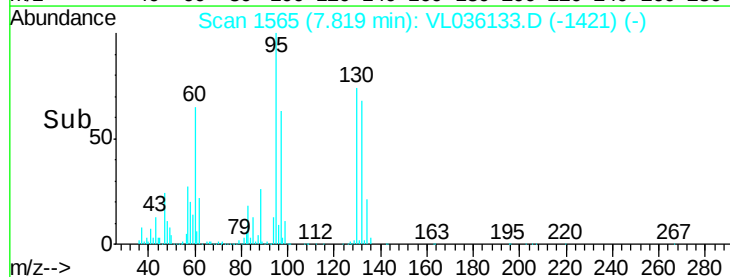
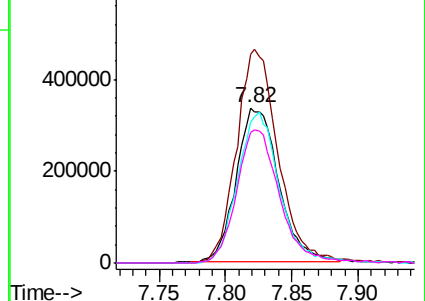


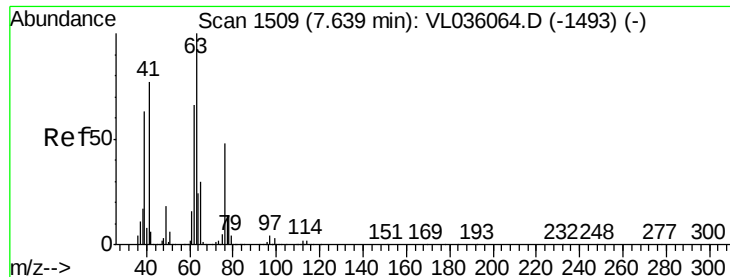
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 11.555 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

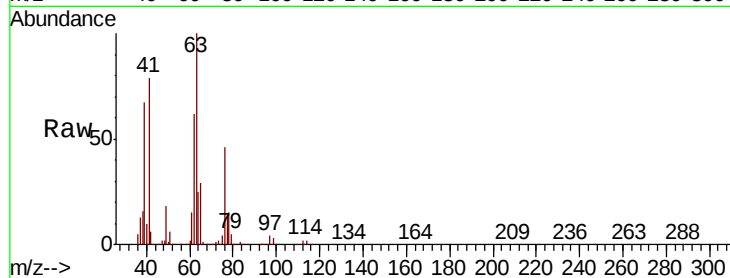
Tot Ion: 63 Resp: 995886

Ion Ratio Lower Upper

63 100

41 78.7 61.9 92.9

62 61.8 52.5 78.7

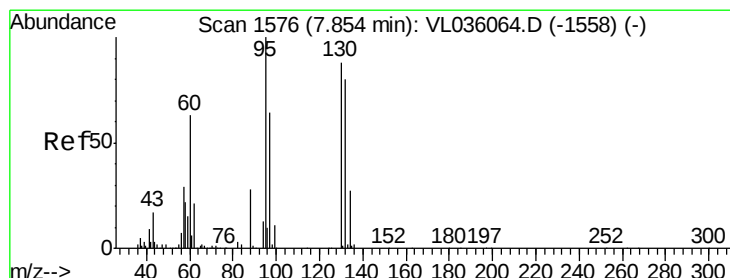
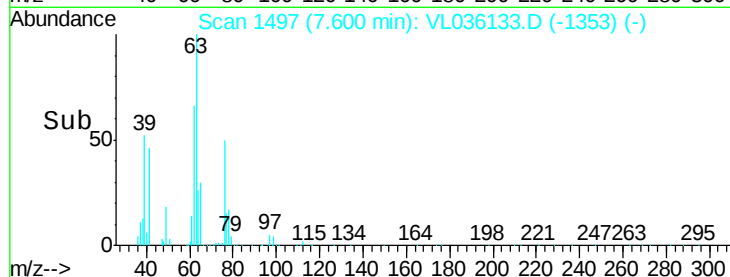
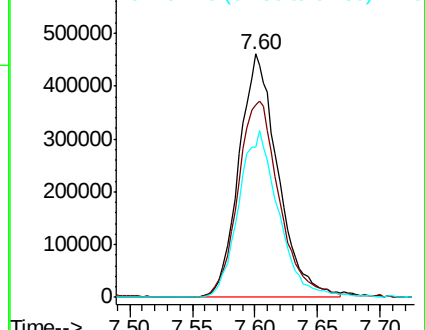


Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.448 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion: 88 Resp: 283241

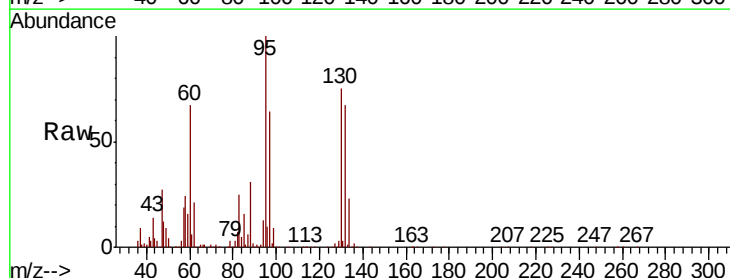
Ion Ratio Lower Upper

88 100

58 63.2 122.6 184.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0



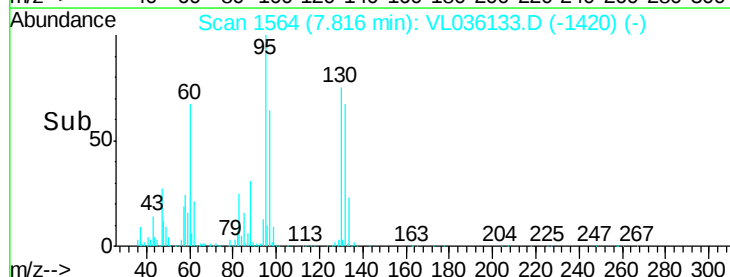
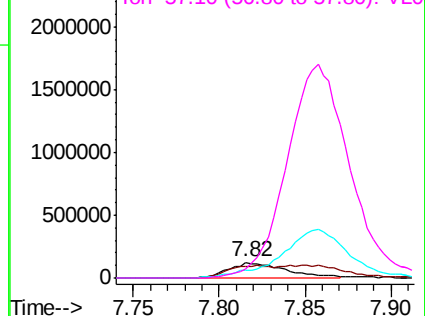
Abundance

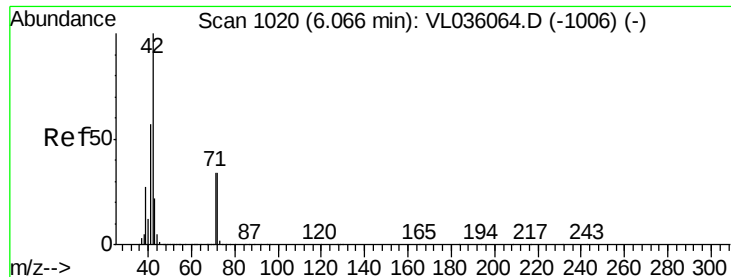
Ion 88.10 (87.80 to 88.80): VL0

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: 10.641 ppbv

RT: 6.03 min Scan# 1010

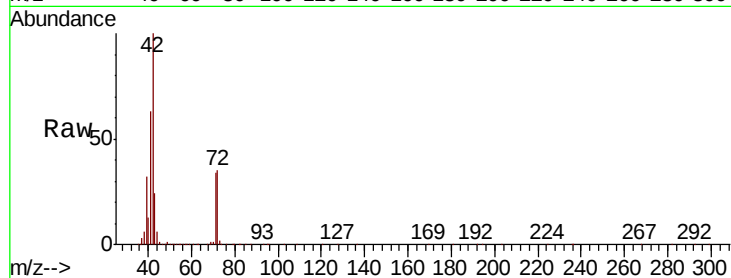
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tot Ion: 42 Resp: 1079838

Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.3	42.5
71	35.1	27.3	40.9

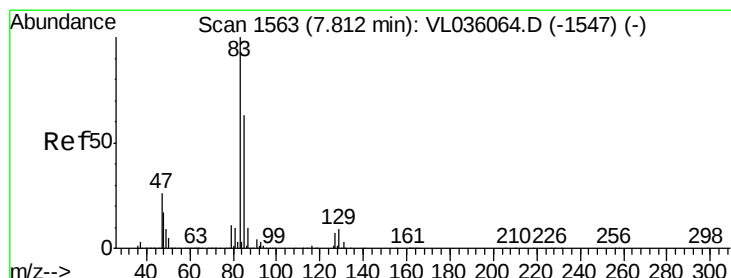
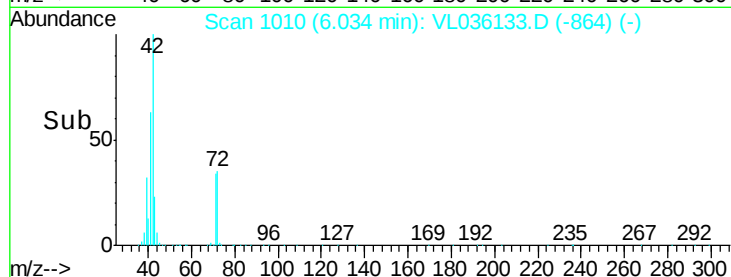
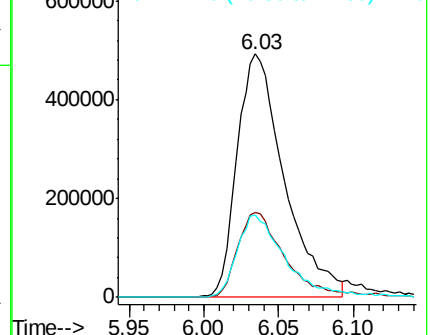


Abundance

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: 12.233 ppbv

RT: 7.78 min Scan# 1553

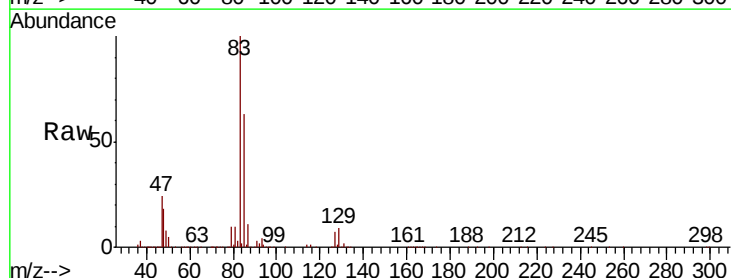
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion: 83 Resp: 2061442

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.2	75.2
127	6.8	5.5	8.3

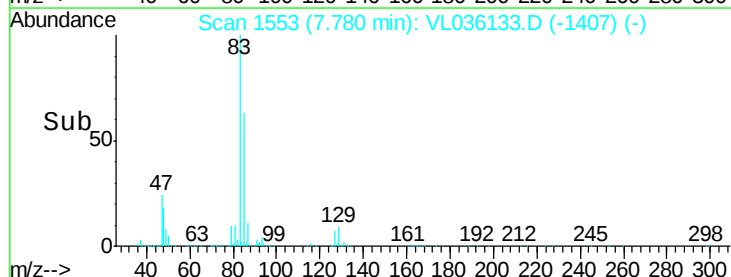
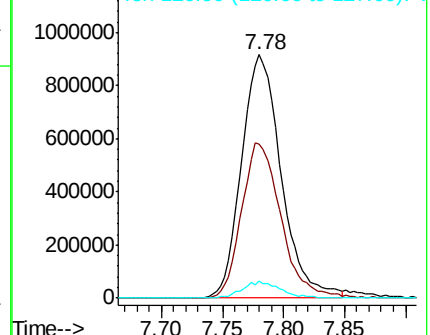


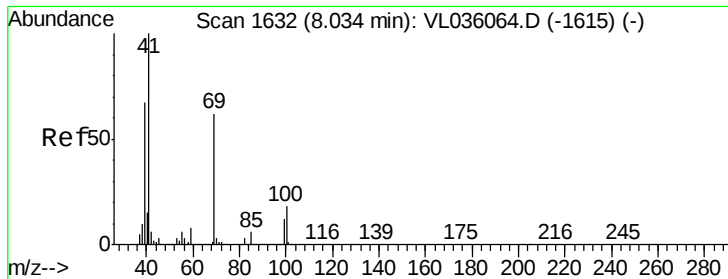
Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0





#43

Methvl Methacrvlate

Concen: 11.744 ppbv

RT: 8.00 min Scan# 1622

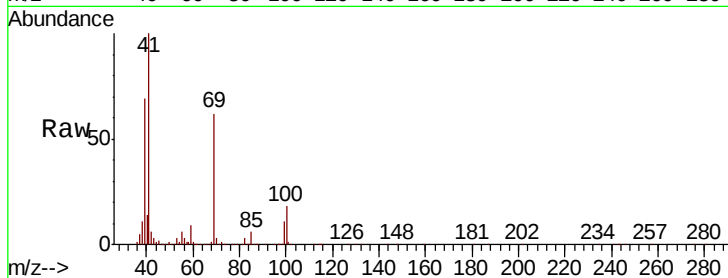
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tot Ion: 69 Resp: 1099574

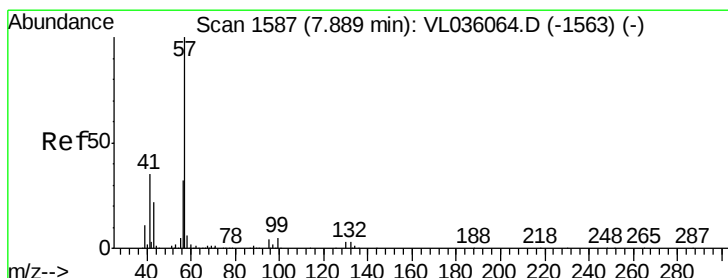
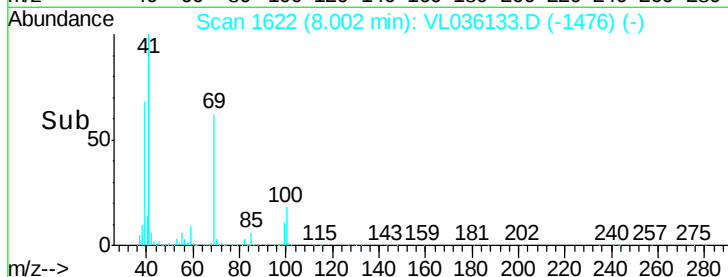
Ion	Ratio	Lower	Upper
69	100		
41	167.0	133.0	199.6
100	28.5	25.4	38.0



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 11.053 ppbv

RT: 7.86 min Scan# 1577

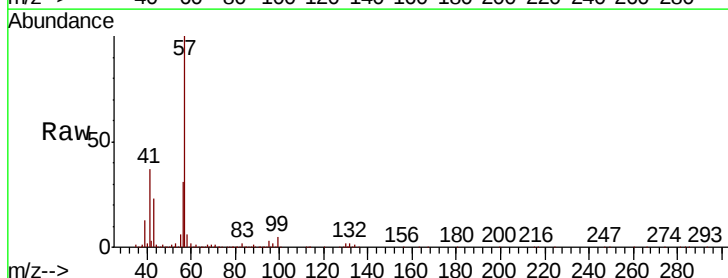
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion: 57 Resp: 4368735

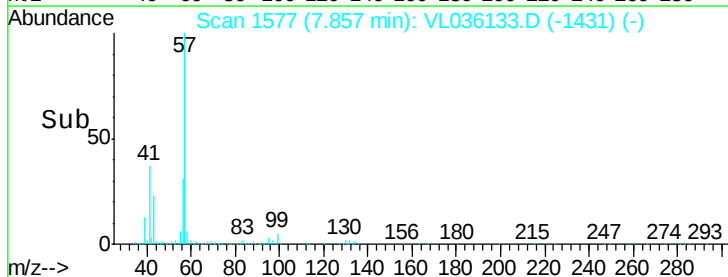
Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.9	43.3
56	31.3	25.3	37.9

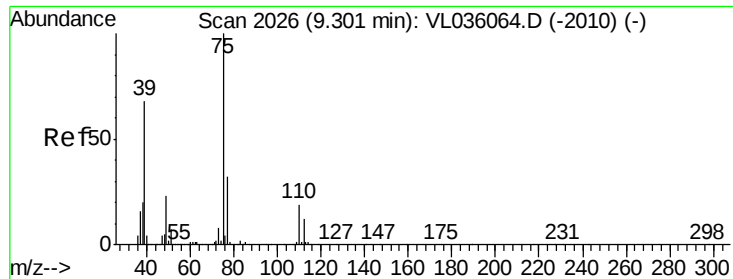


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.982 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. -0.04 min

Lab File: VL036133.D

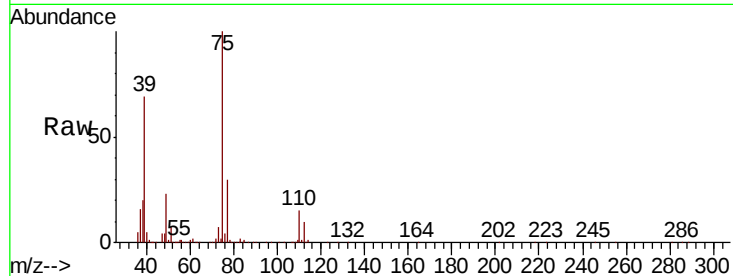
Acq: 10 Dec 2020 17:43

Tot Ion: 75 Resp: 1152553

Ion Ratio Lower Upper

75 100

77 30.0 26.0 39.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

600000

500000

400000

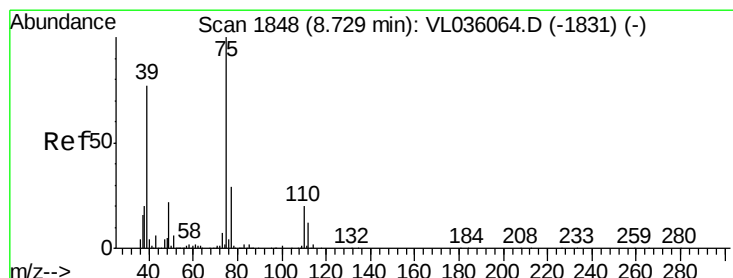
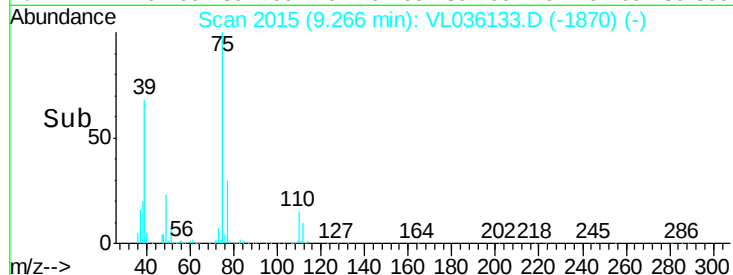
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.658 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

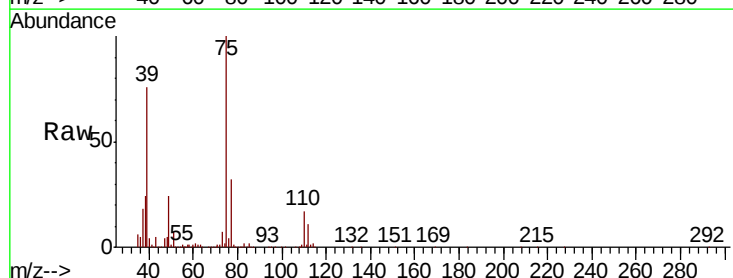
Tgt Ion: 75 Resp: 1405533

Ion Ratio Lower Upper

75 100

39 75.2 61.6 92.4

77 32.5 23.0 34.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.69

800000

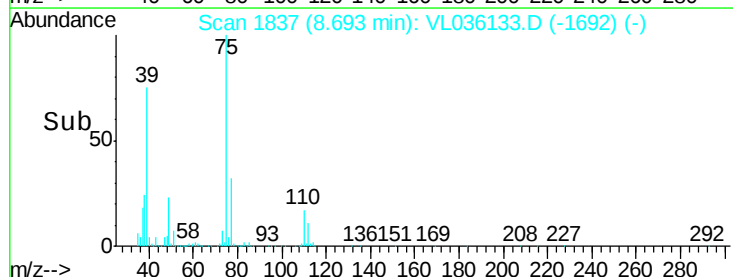
600000

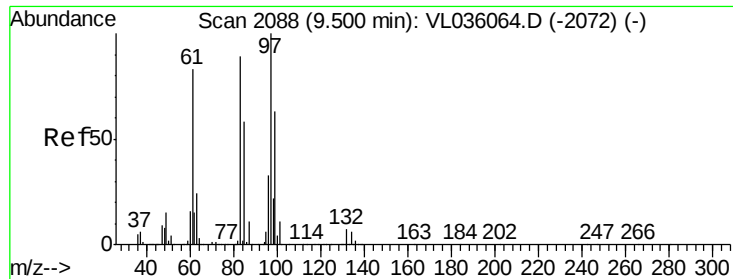
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 11.250 ppbv

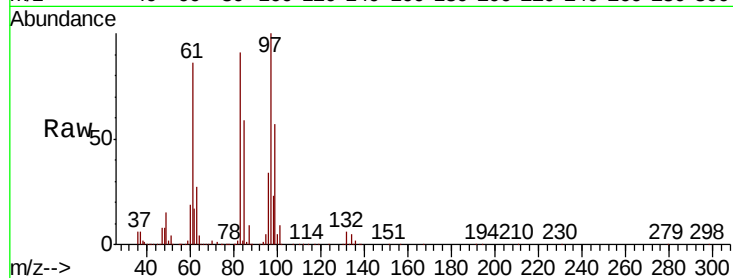
RT: 9.47 min Scan# 2077

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tot Ion:	97	Resp:	932807
Ion	Ratio	Lower	Upper
97	100		
83	90.6	71.4	107.2
85	59.5	46.6	70.0
99	57.1	50.7	76.1



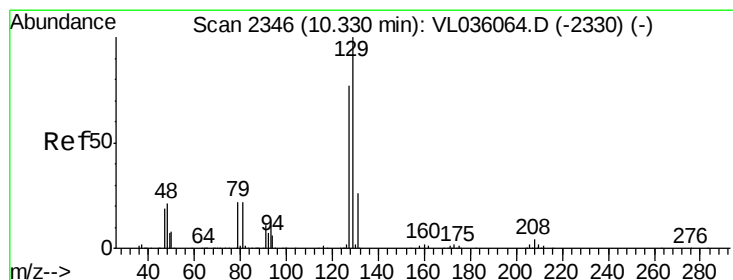
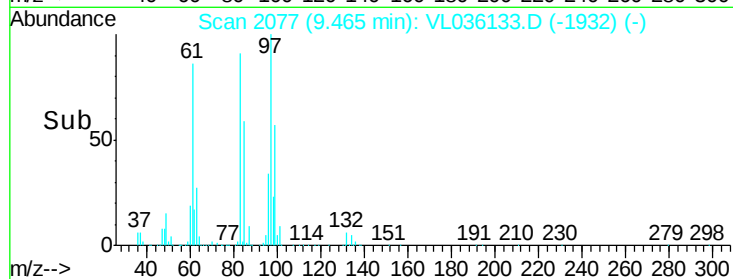
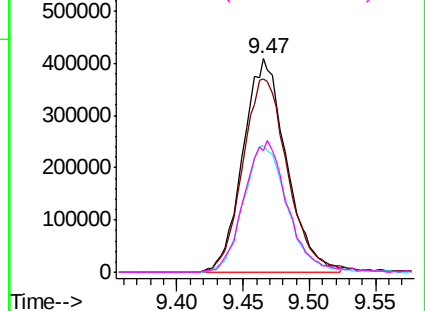
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.260 ppbv

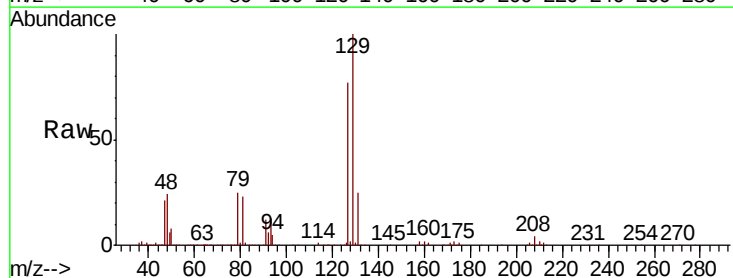
RT: 10.29 min Scan# 2335

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

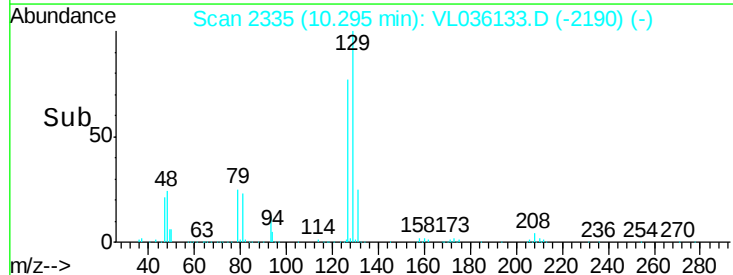
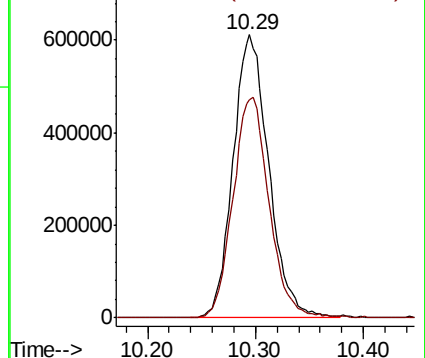
Tgt Ion:	129	Resp:	1409980
Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.0	117.0

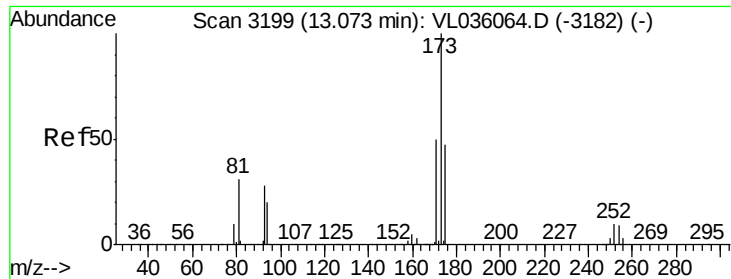


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.072 ppbv

RT: 13.03 min Scan# 3187

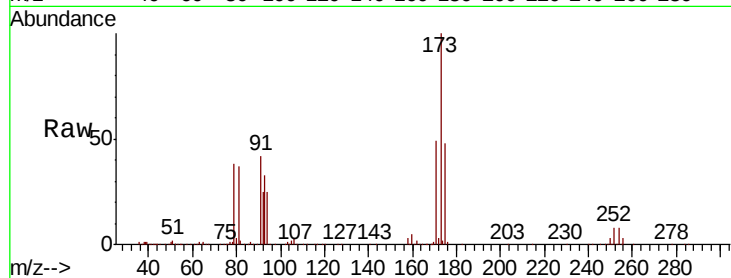
Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tot Ion:173 Resp: 1091186

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.8	59.6
171	52.1	42.5	63.7

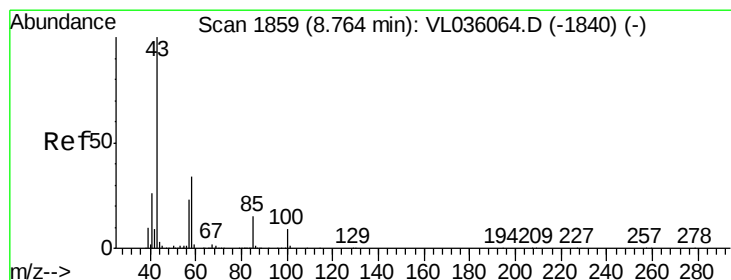
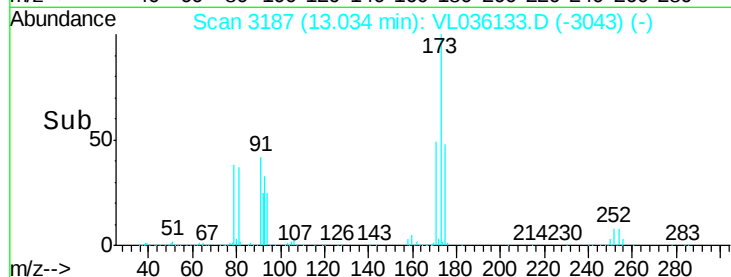
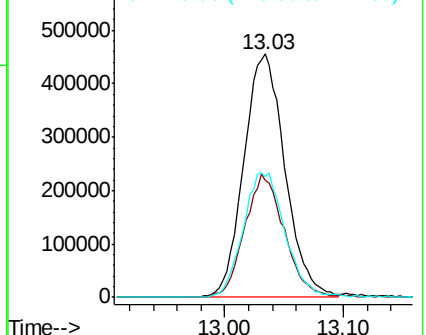


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.383 ppbv

RT: 8.73 min Scan# 1849

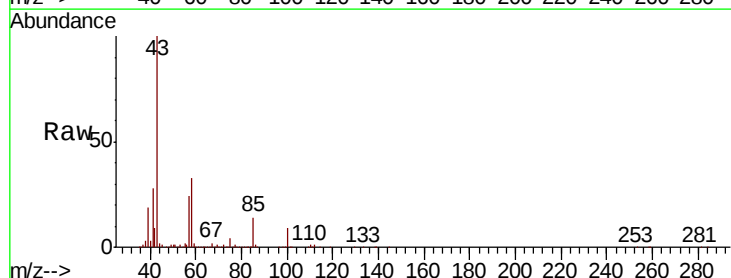
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion: 43 Resp: 2899890

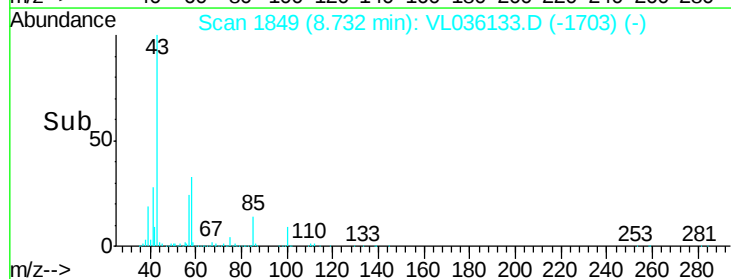
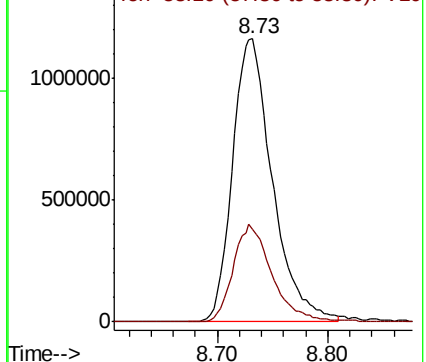
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.4	41.2

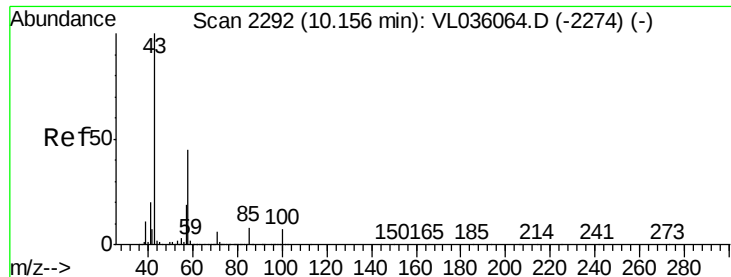


Abundance

Ion 43.10 (42.80 to 43.80): VL0

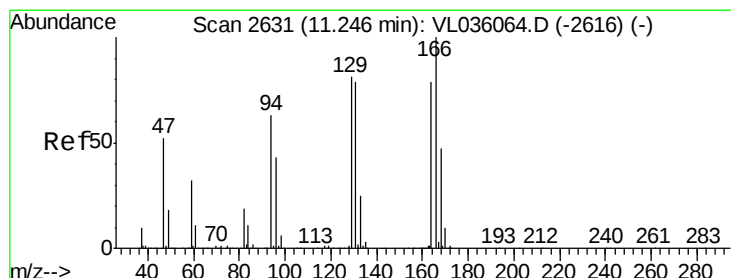
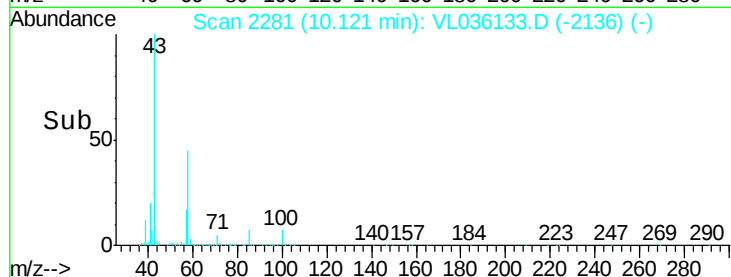
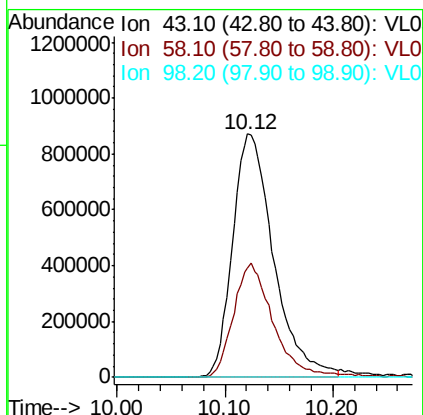
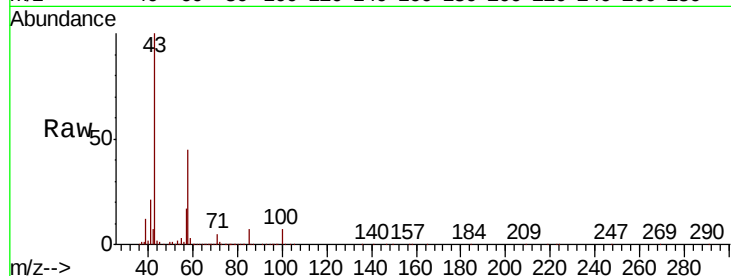
Ion 58.10 (57.80 to 58.80): VL0





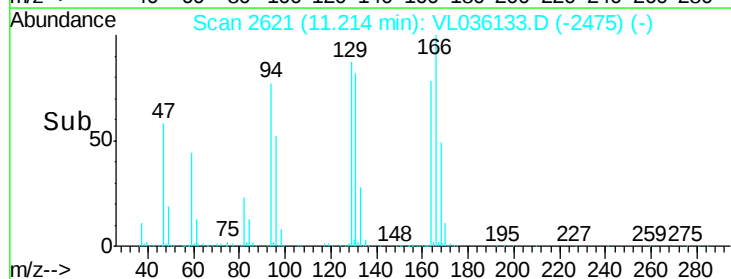
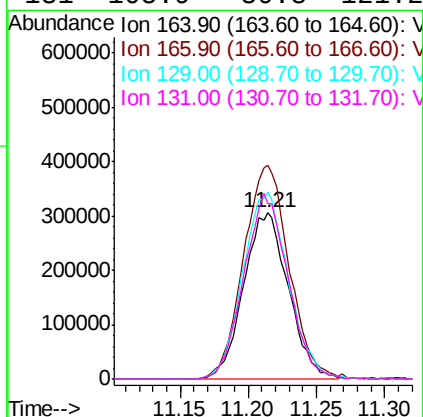
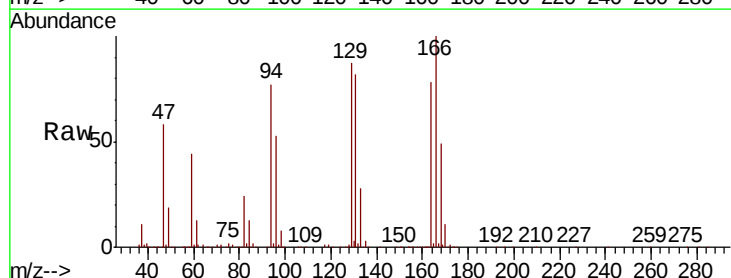
#51
2-Hexanone
Concen: 11.559 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.04 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

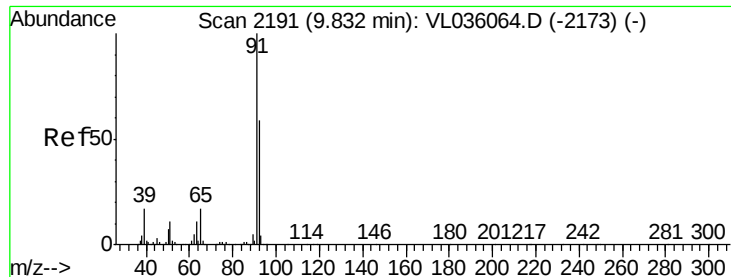
Tot Ion: 43 Resp: 2301774
Ion Ratio Lower Upper
43 100
58 46.2 38.7 58.1
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.794 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.03 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

Tgt Ion: 164 Resp: 694751
Ion Ratio Lower Upper
164 100
166 128.6 101.9 152.9
129 112.4 82.1 123.1
131 105.9 80.8 121.2





#53

Toluene

Concen: 11.026 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.04 min

Lab File: VL036133.D

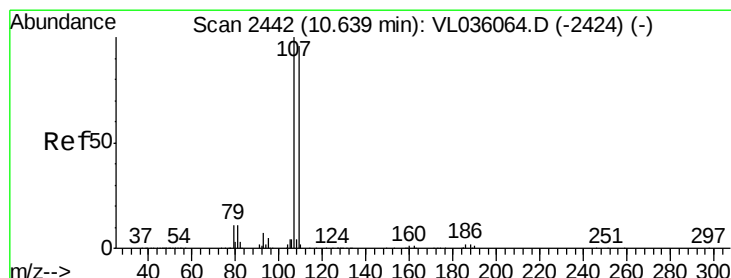
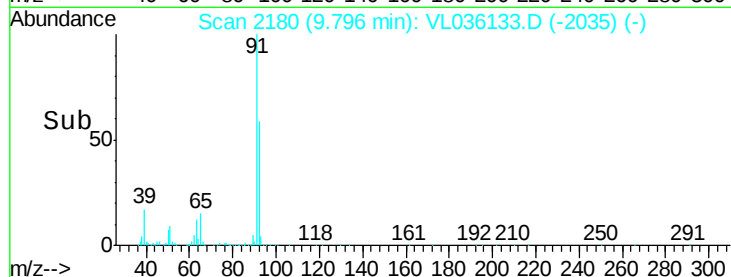
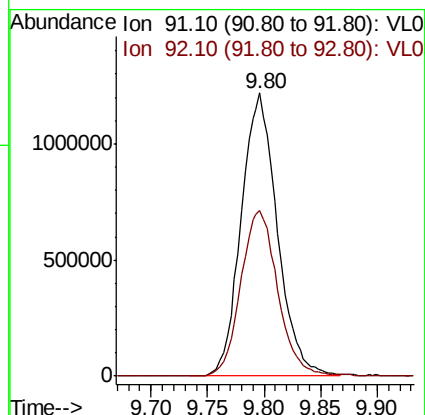
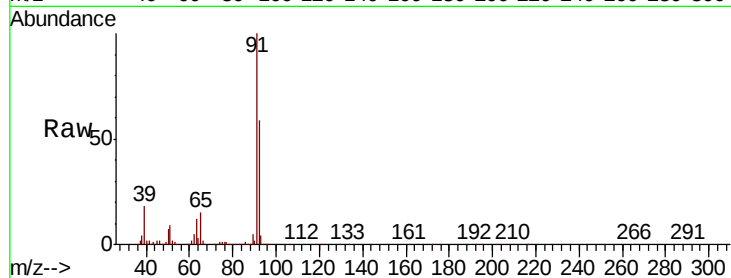
Acq: 10 Dec 2020 17:43

Tot Ion: 91 Resp: 2702066

Ion Ratio Lower Upper

91 100

92 60.4 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.898 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.04 min

Lab File: VL036133.D

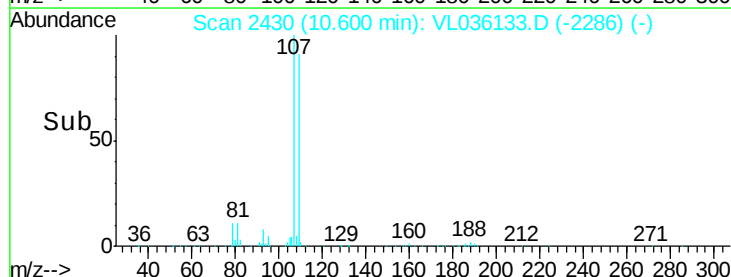
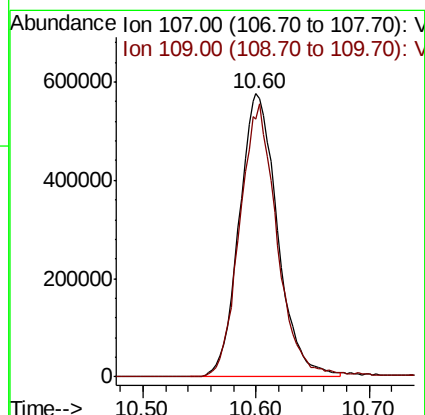
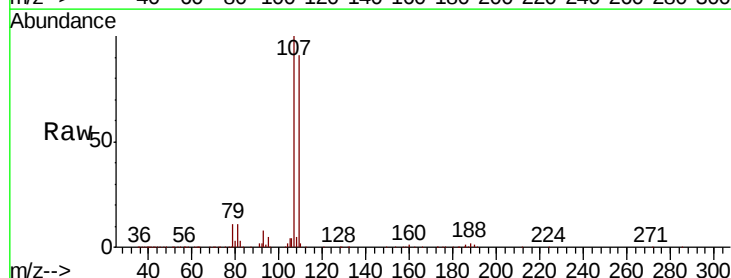
Acq: 10 Dec 2020 17:43

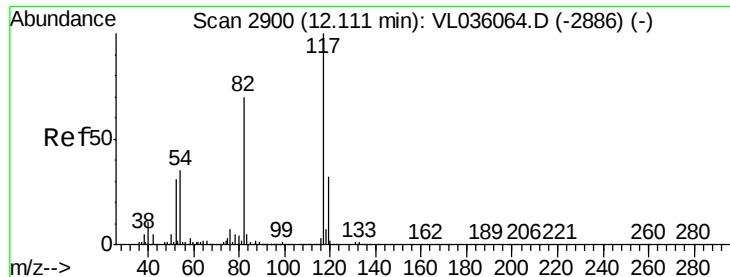
Tgt Ion: 107 Resp: 1354529

Ion Ratio Lower Upper

107 100

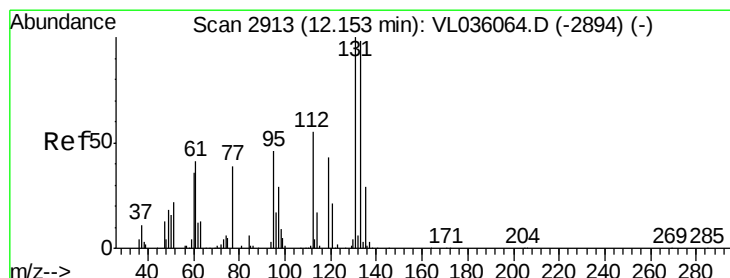
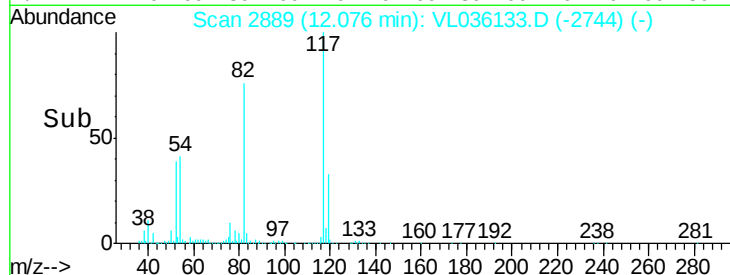
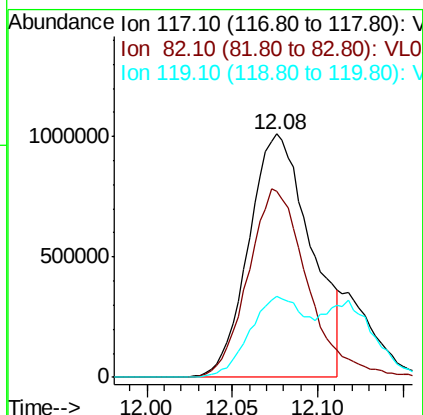
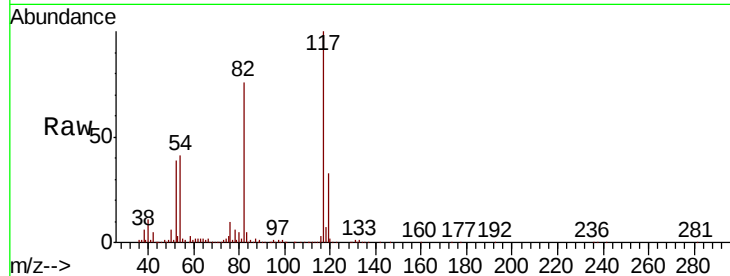
109 91.1 76.6 115.0





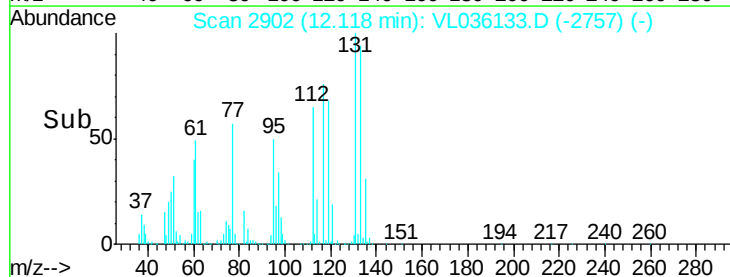
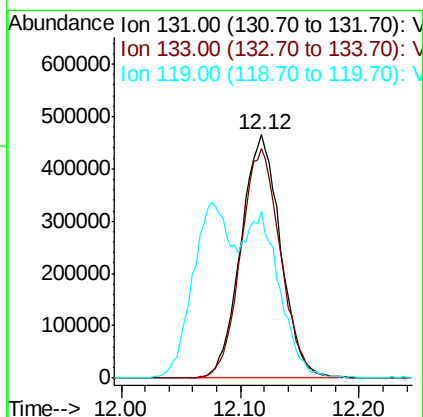
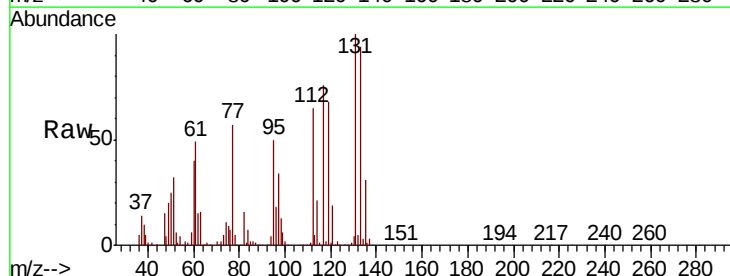
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. -0.04 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

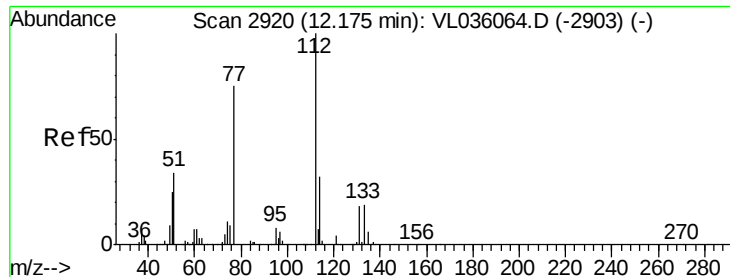
Tot Ion:117 Resp: 2554479
Ion Ratio Lower Upper
117 100
82 75.1 0.0 0.0#
119 30.5 0.0 0.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 10.116 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.04 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

Tgt Ion:131 Resp: 1071519
Ion Ratio Lower Upper
131 100
133 94.8 77.7 116.5
119 69.8 51.6 77.4

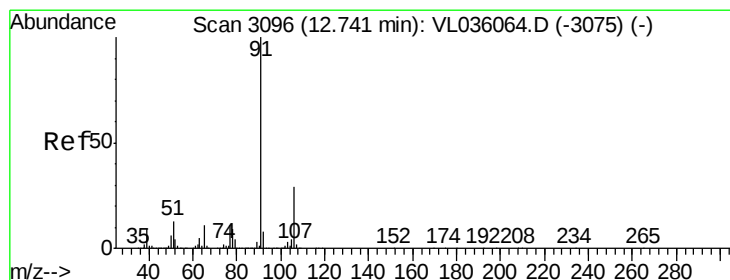
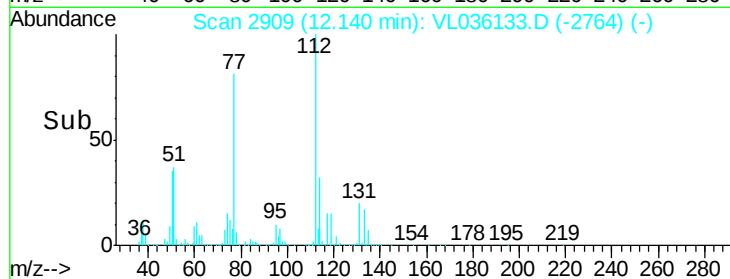
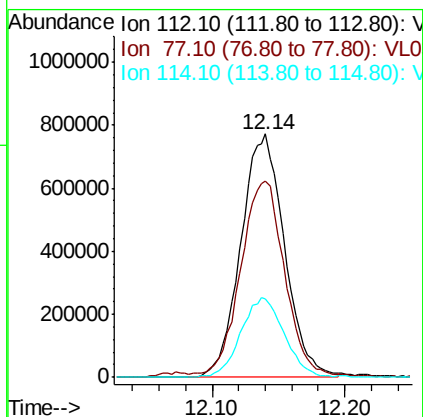
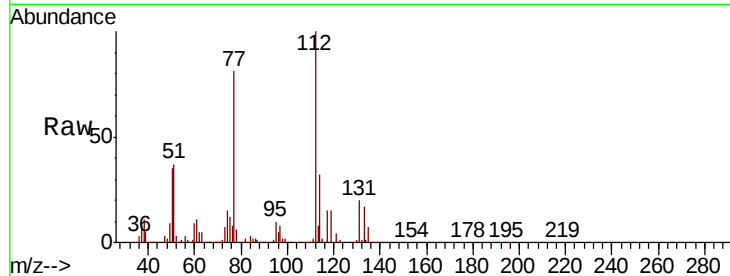




#57
Chlorobenzene
Concen: 9.791 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.04 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

Tot Ion: 112 Resp: 1755868

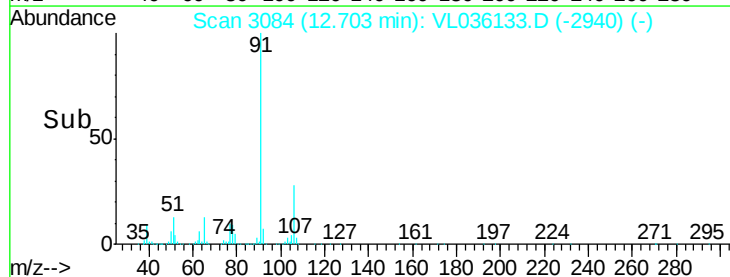
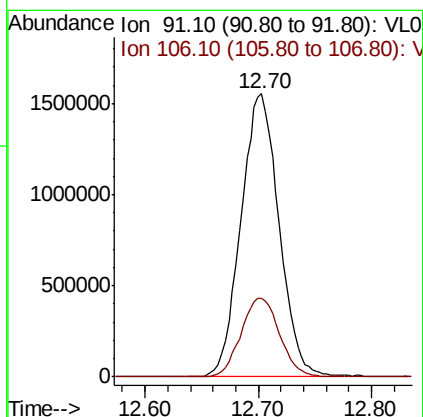
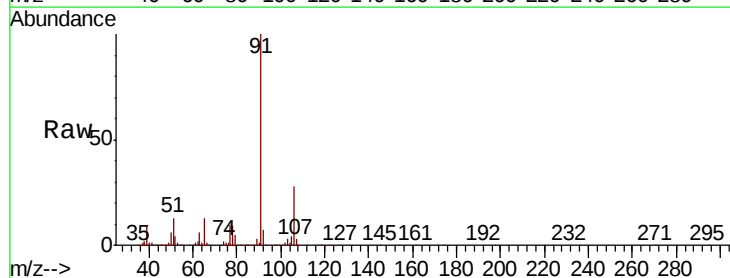
Ion	Ratio	Lower	Upper
112	100		
77	79.4	60.5	90.7
114	32.3	29.2	35.6

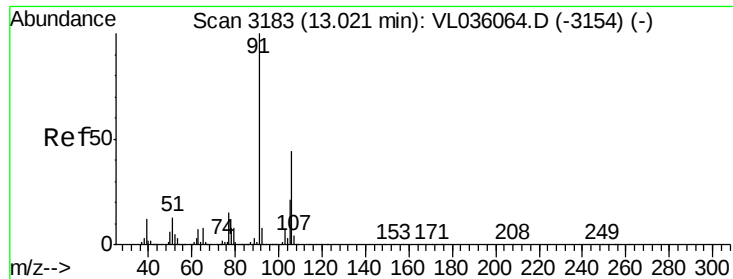


#58
Ethyl Benzene
Concen: 10.380 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.04 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

Tgt Ion: 91 Resp: 3633667

Ion	Ratio	Lower	Upper
91	100		
106	27.8	23.0	34.4





#59

m/p-Xylene

Concen: 20.616 ppbv m

RT: 12.99 min Scan# 3172

Delta R.T. -0.04 min

Lab File: VL036133.D

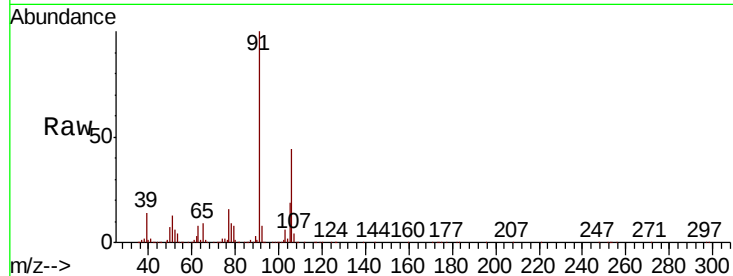
Acq: 10 Dec 2020 17:43

Tot Ion: 91 Resp: 6078594

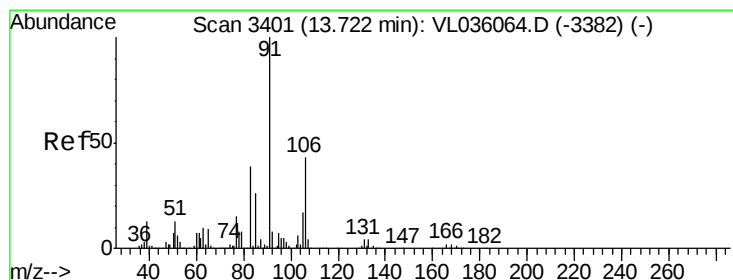
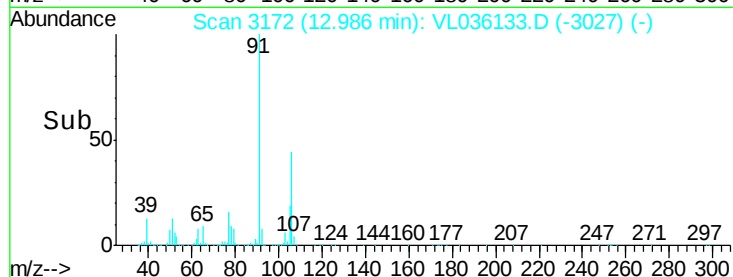
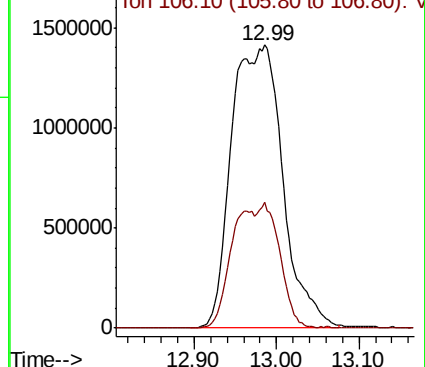
Ion Ratio Lower Upper

91 100

106 40.3 33.6 50.4



Abundance Ion 91.10 (90.80 to 91.80): VL0



#60

o-Xylene

Concen: 10.232 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.04 min

Lab File: VL036133.D

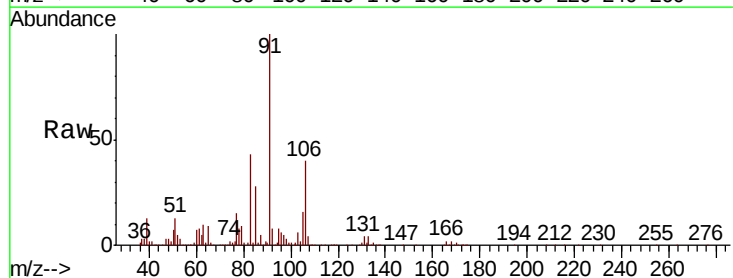
Acq: 10 Dec 2020 17:43

Tgt Ion: 91 Resp: 2842572

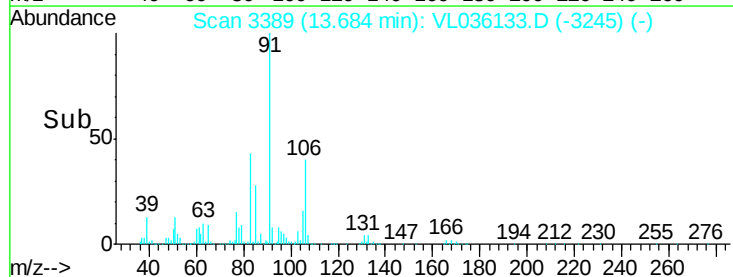
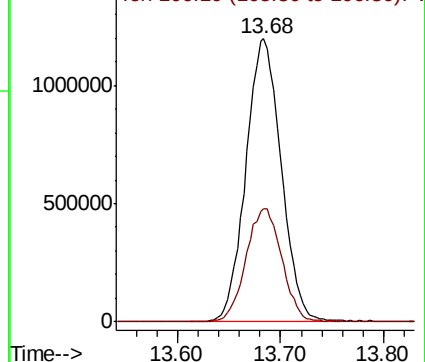
Ion Ratio Lower Upper

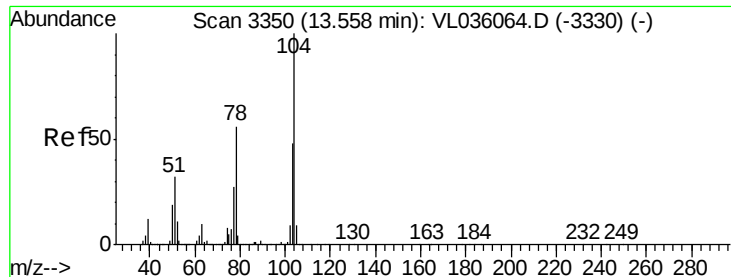
91 100

106 40.8 21.6 64.6



Abundance Ion 91.10 (90.80 to 91.80): VL0





#61

Stvrene

Concen: 10.310 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

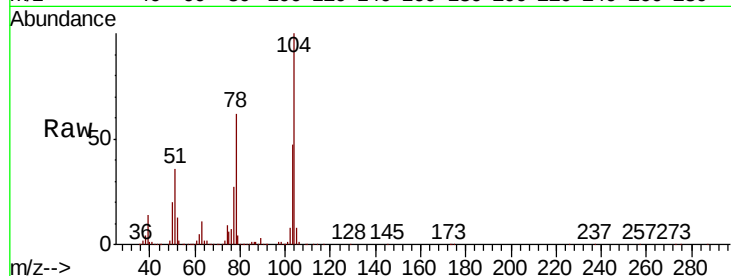
Tot Ion:104 Resp: 1838856

Ion Ratio Lower Upper

104 100

78 62.6 45.8 68.8

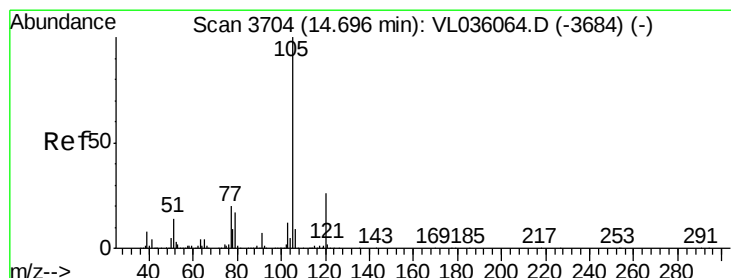
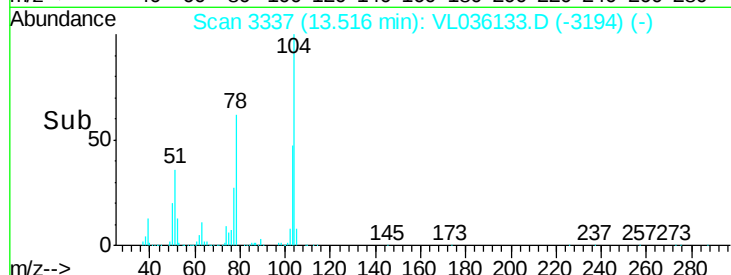
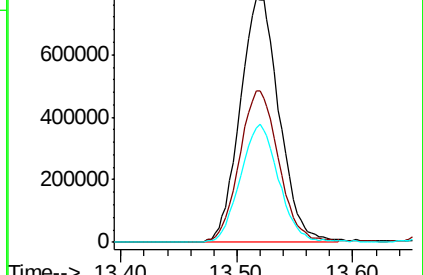
103 47.4 38.6 57.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.747 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.04 min

Lab File: VL036133.D

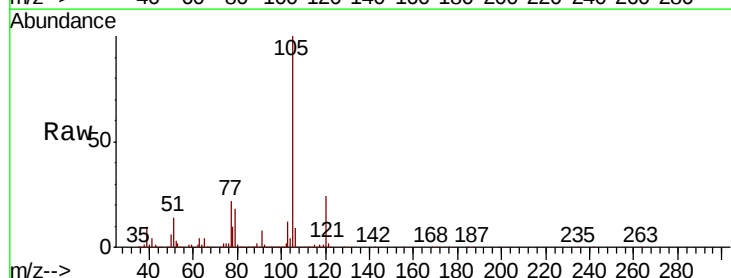
Acq: 10 Dec 2020 17:43

Tgt Ion:105 Resp: 4013788

Ion Ratio Lower Upper

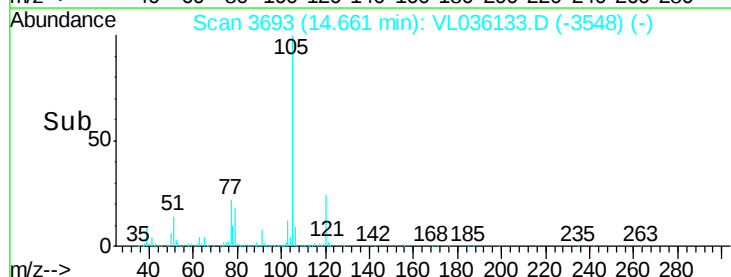
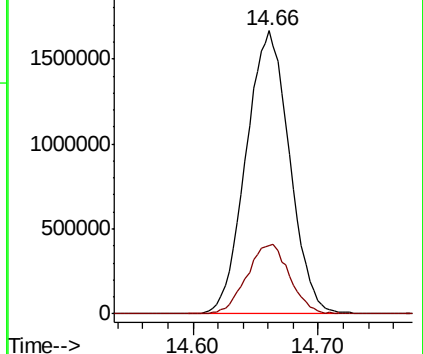
105 100

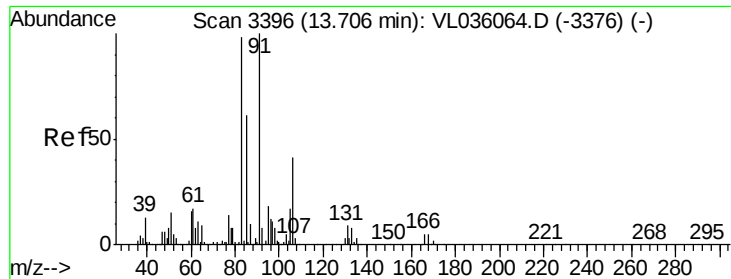
120 24.3 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

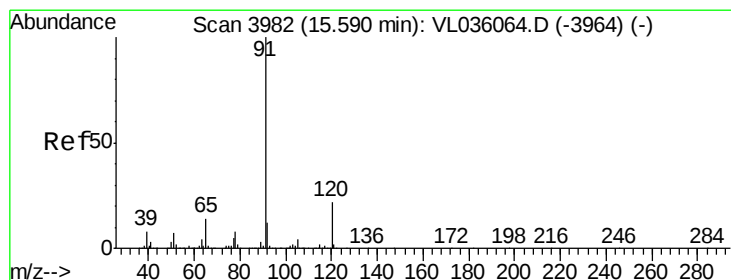
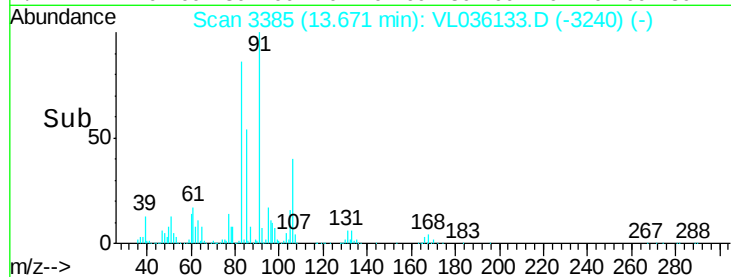
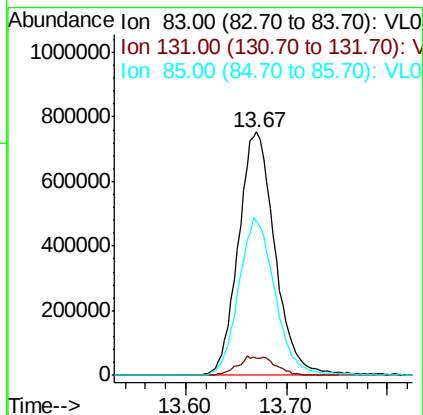
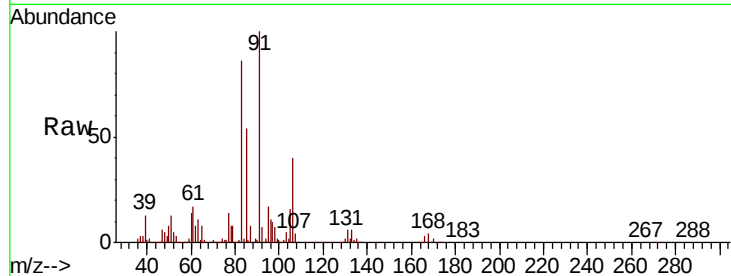
Ion 120.20 (119.90 to 120.90): V





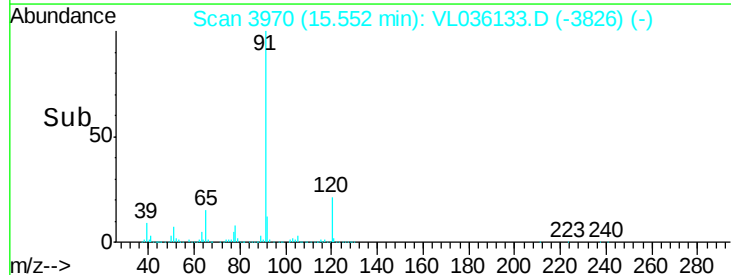
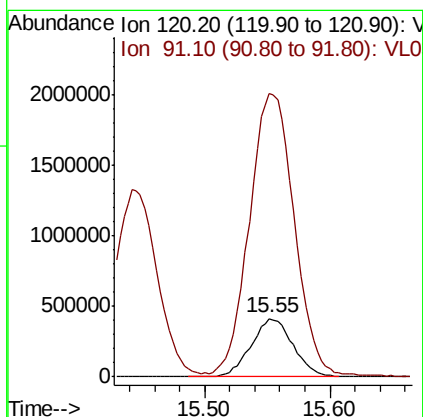
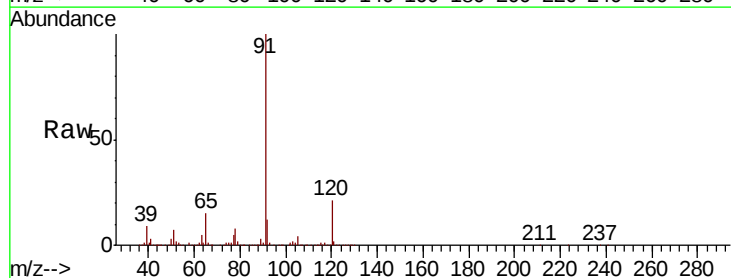
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.057 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.04 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

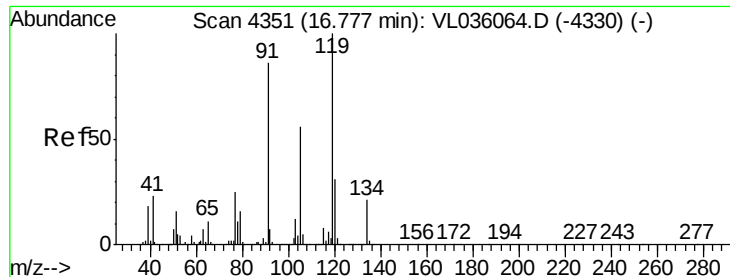
Tot Ion: 83 Resp: 1881670
 Ion Ratio Lower Upper
 83 100
 131 8.1 4.6 13.8
 85 64.5 32.5 97.5



#64
 n-propylbenzene
 Concen: 9.644 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.04 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

Tgt Ion:120 Resp: 955448
 Ion Ratio Lower Upper
 120 100
 91 525.8 388.9 583.3





#65

tert-Butylbenzene

Concen: 9.434 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

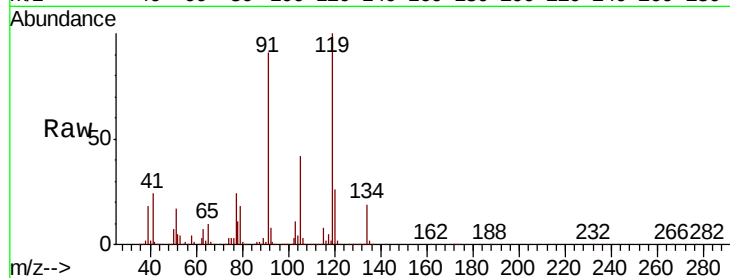
Tot Ion: 119 Resp: 3179781

Ion	Ratio	Lower	Upper
119	100		
91	95.5	70.2	105.2
134	18.6	15.8	23.6

119 100

91 95.5 70.2 105.2

134 18.6 15.8 23.6



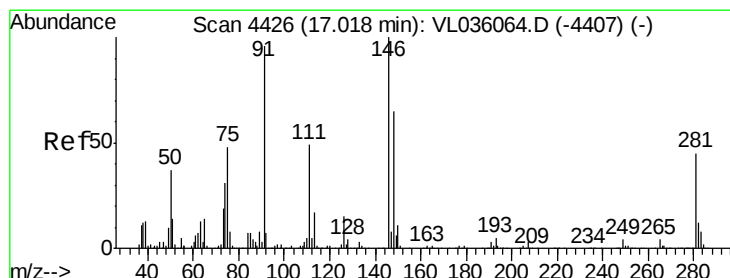
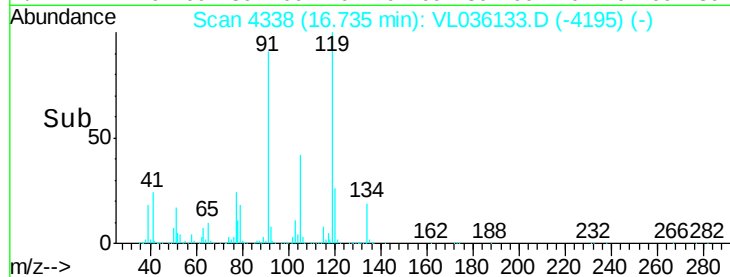
Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

16.73

Time-->



#66

Benzyl Chloride

Concen: 9.158 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

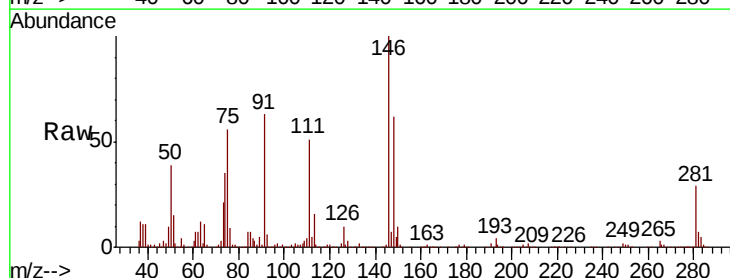
Tgt Ion: 91 Resp: 768590

Ion	Ratio	Lower	Upper
91	100		
126	14.7	13.5	20.3
128	4.8	4.4	6.6

91 100

126 14.7 13.5 20.3

128 4.8 4.4 6.6



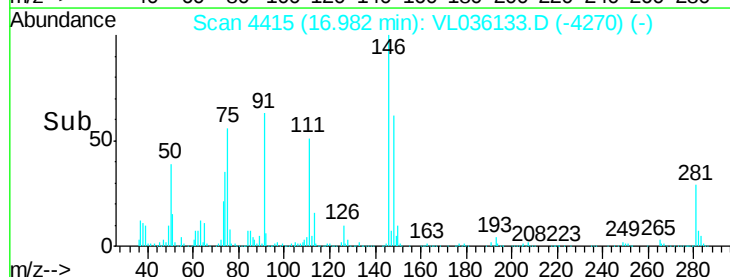
Abundance Ion 91.10 (90.80 to 91.80): VL0

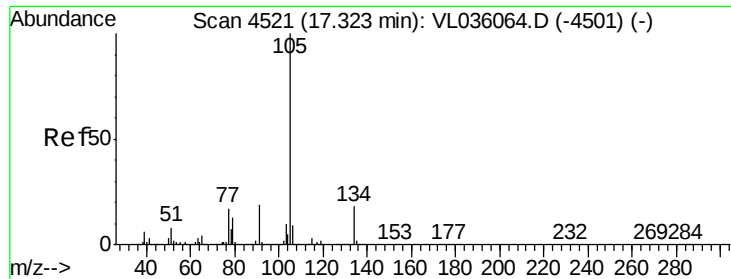
Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

16.98

Time-->





#67

sec-Butylbenzene

Concen: 9.740 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.04 min

Lab File: VL036133.D

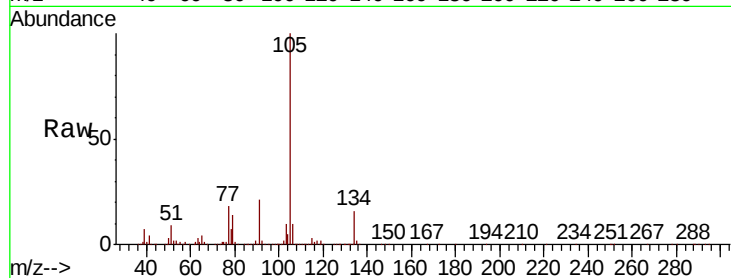
Acq: 10 Dec 2020 17:43

Tot Ion: 105 Resp: 4594769

Ion Ratio Lower Upper

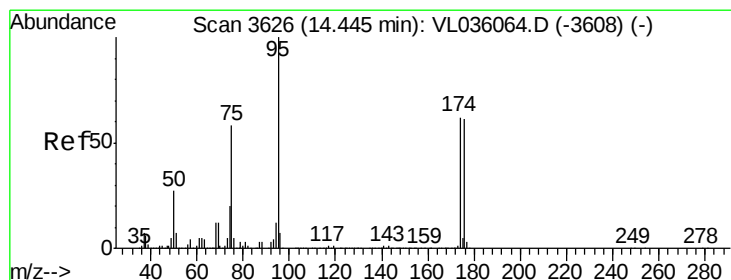
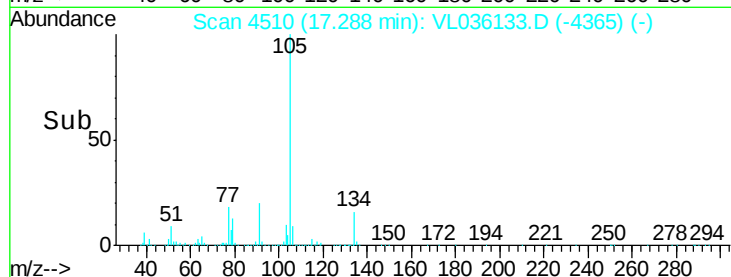
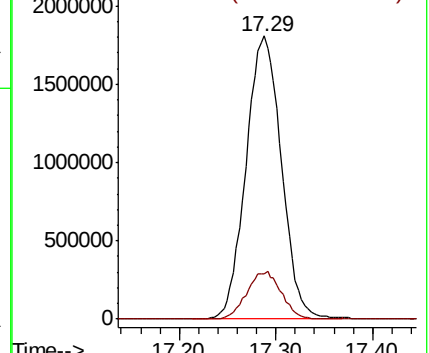
105 100

134 16.4 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: 10.551 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

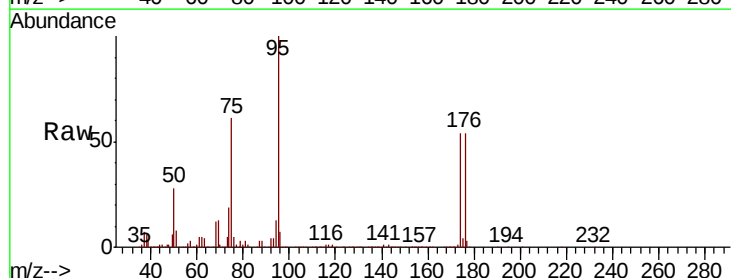
Tgt Ion: 95 Resp: 2140169

Ion Ratio Lower Upper

95 100

174 55.3 50.7 76.1

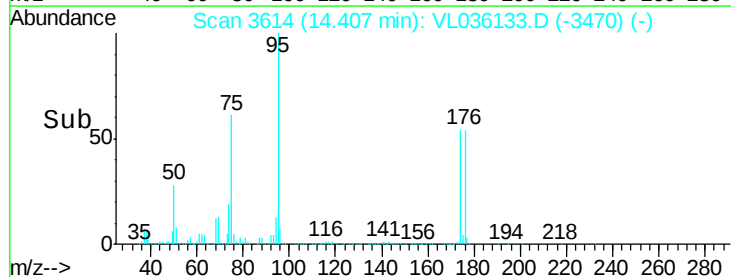
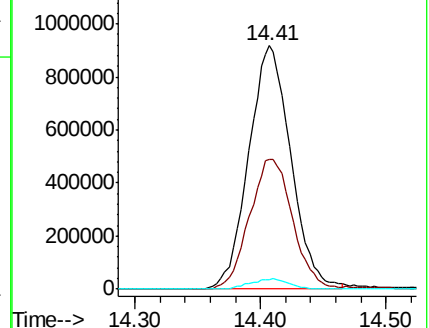
175 4.2 4.0 6.0

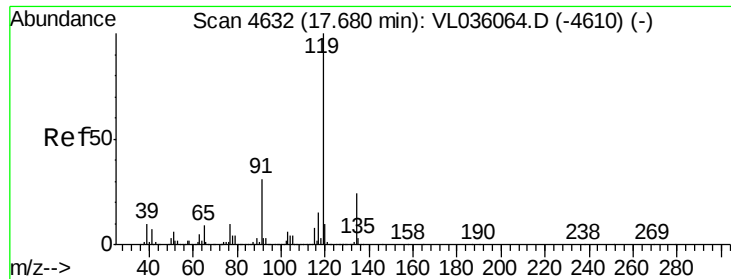


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

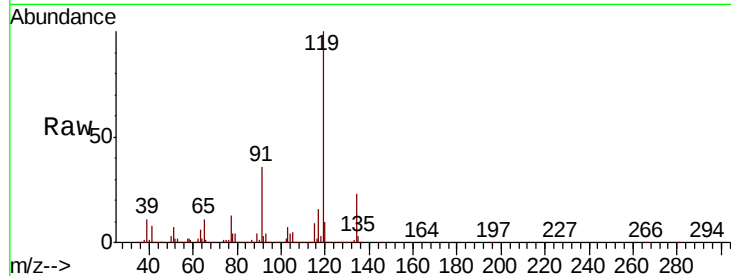
Ion 175.00 (174.70 to 175.70): V



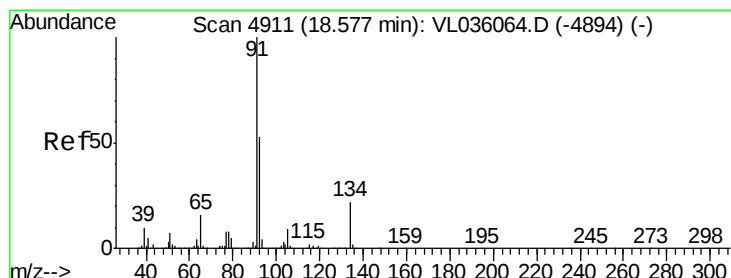
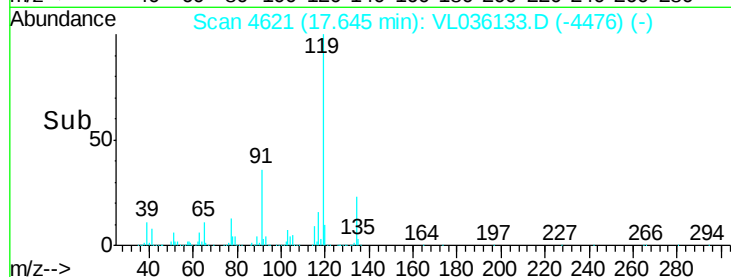
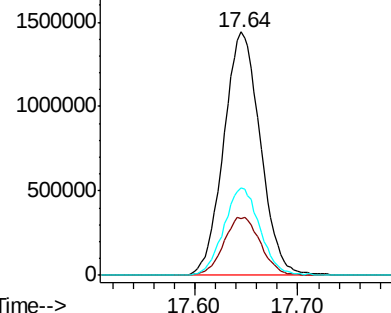


#69
 p-Isopropyltoluene
 Concen: 9.473 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. -0.04 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.2	19.8	29.6
91	35.4	25.8	38.6

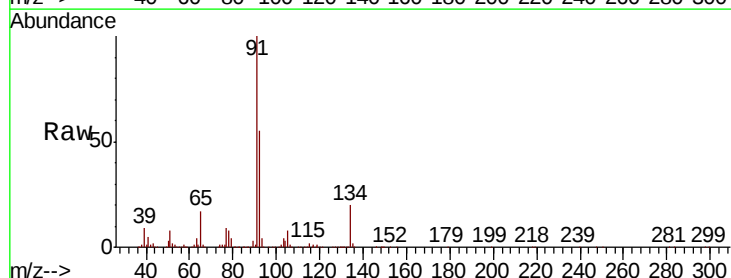


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

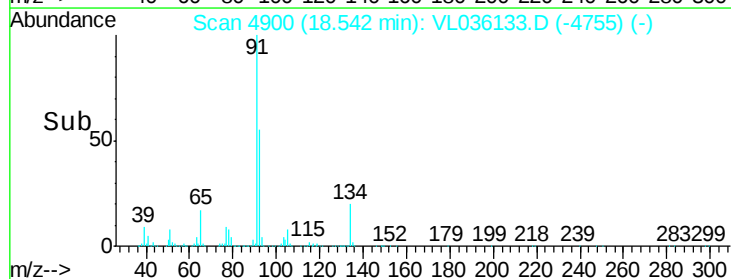
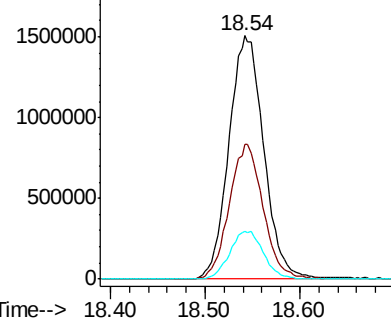


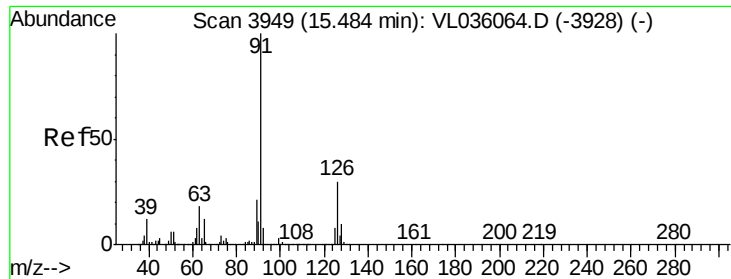
#70
 n-Butylbenzene
 Concen: 10.380 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.04 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.3	64.9
134	19.4	17.1	25.7



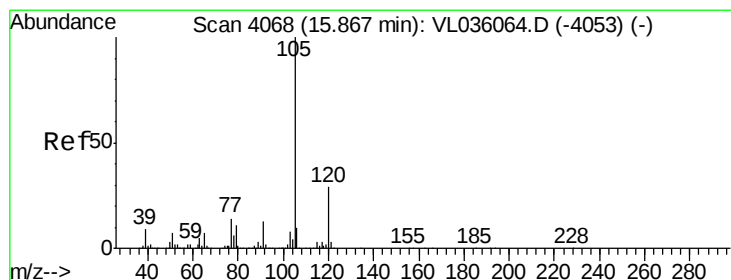
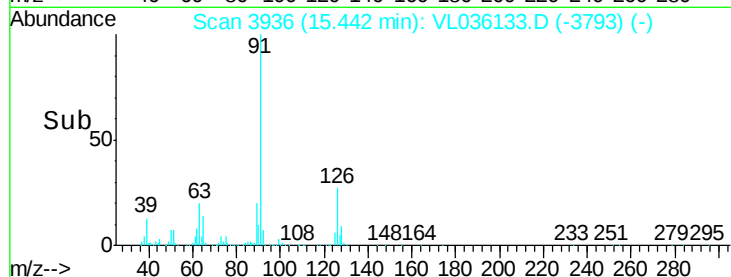
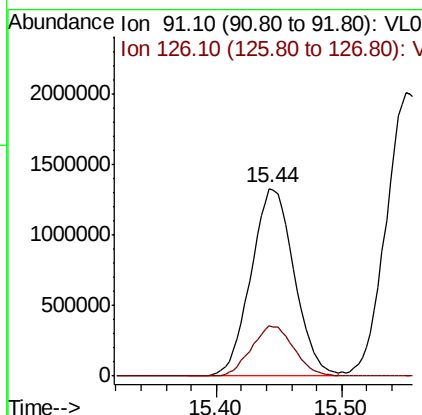
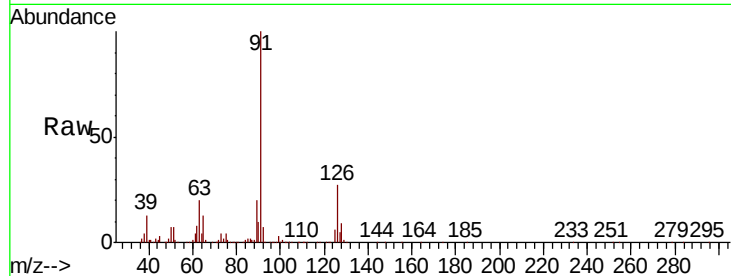
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





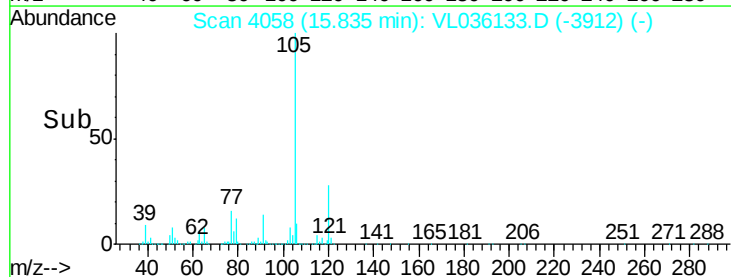
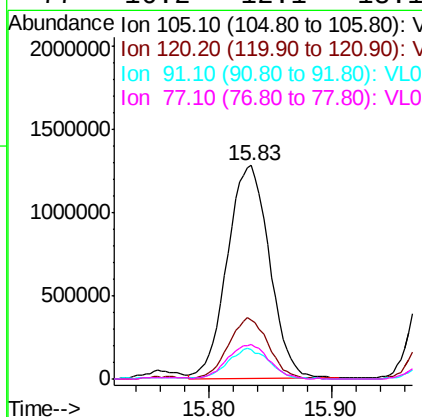
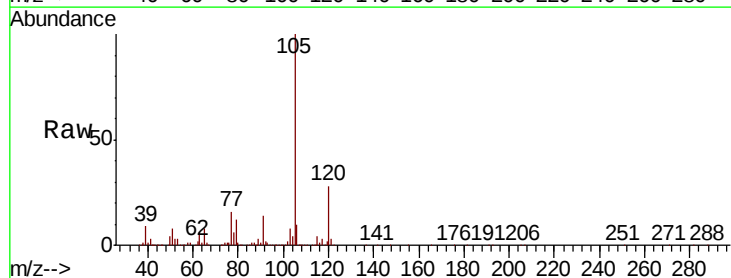
#71
2-Chlorotoluene
Concen: 10.255 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. -0.04 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

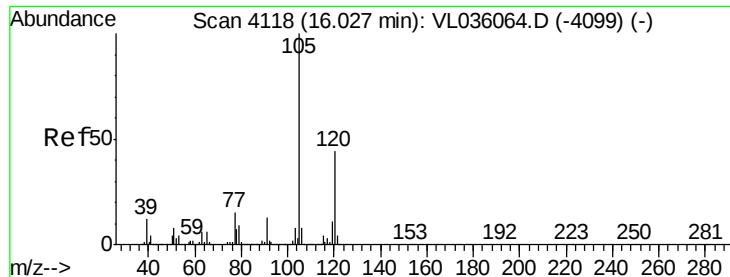
Tot Ion: 91 Resp: 3192037
Ion Ratio Lower Upper
91 100
126 26.6 11.6 46.4



#72
4-Ethyltoluene
Concen: 10.217 ppbv
RT: 15.83 min Scan# 4058
Delta R.T. -0.03 min
Lab File: VL036133.D
Acq: 10 Dec 2020 17:43

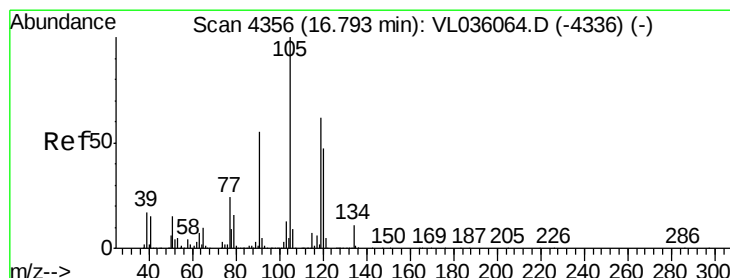
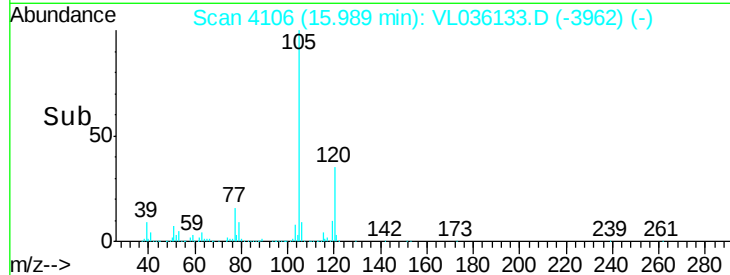
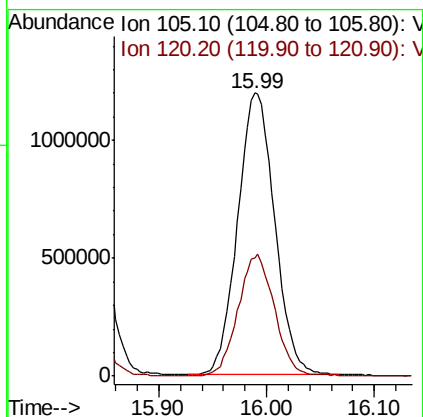
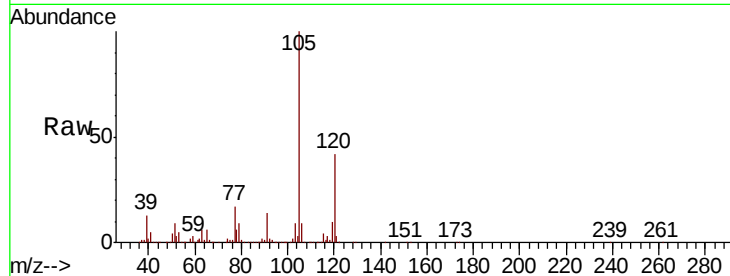
Tgt Ion:105 Resp: 3074532
Ion Ratio Lower Upper
105 100
120 27.4 23.6 35.4
91 13.8 11.4 17.0
77 16.2 12.1 18.1





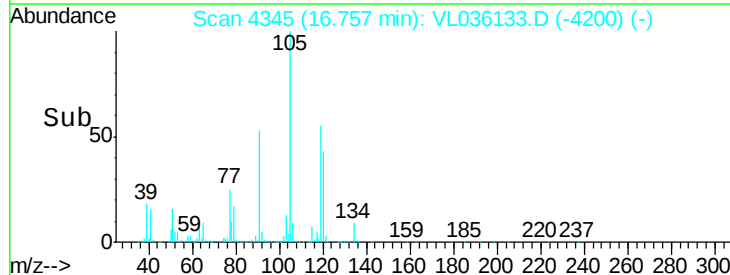
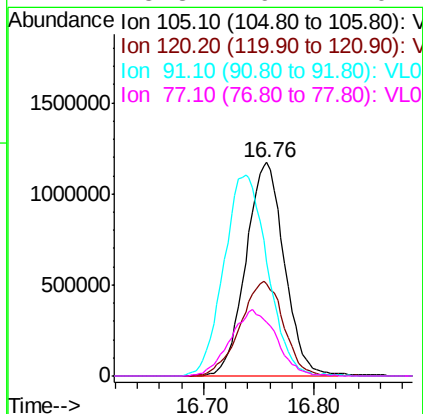
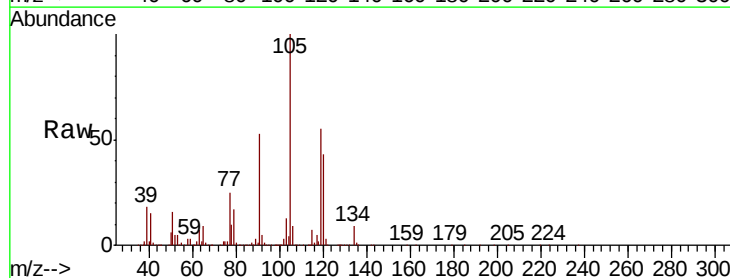
#73
 1,3,5-Trimethylbenzene
 Concen: 9.931 ppbv
 RT: 15.99 min Scan# 4106
 Delta R.T. -0.04 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

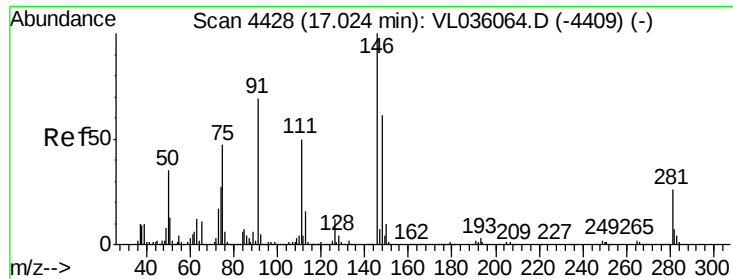
Tot Ion:105 Resp: 2854192
 Ion Ratio Lower Upper
 105 100
 120 41.7 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 9.798 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.04 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

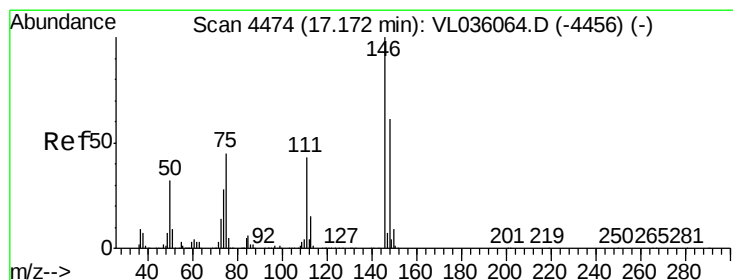
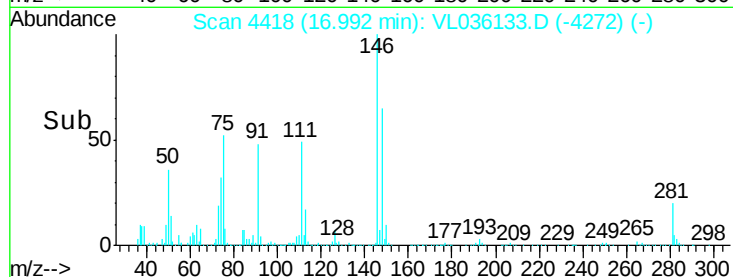
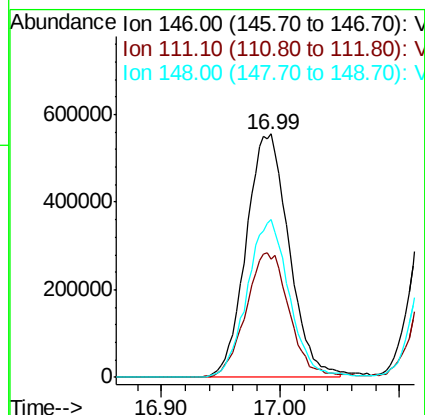
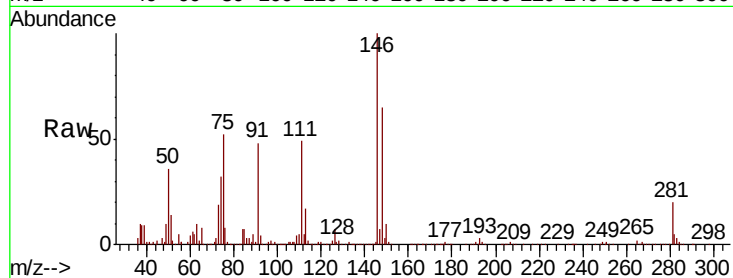
Tgt Ion:105 Resp: 2826572
 Ion Ratio Lower Upper
 105 100
 120 43.1 37.4 56.0
 91 52.6 45.6 68.4
 77 25.3 19.4 29.2





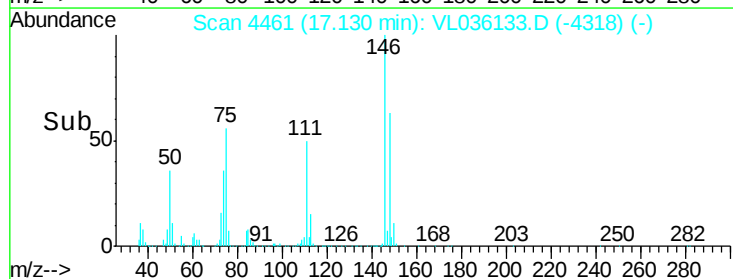
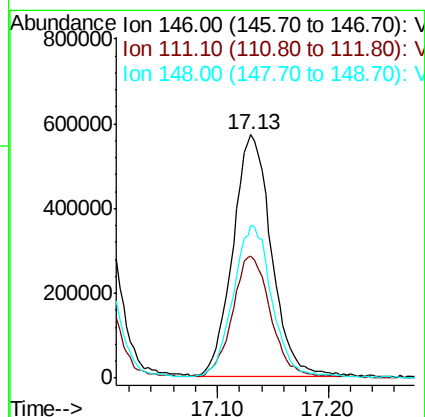
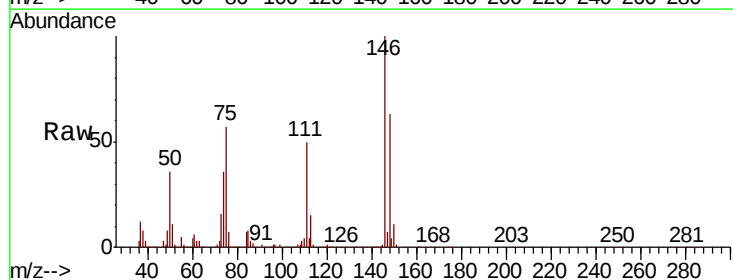
#75
 1,3-Dichlorobenzene
 Concen: 9.592 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.03 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

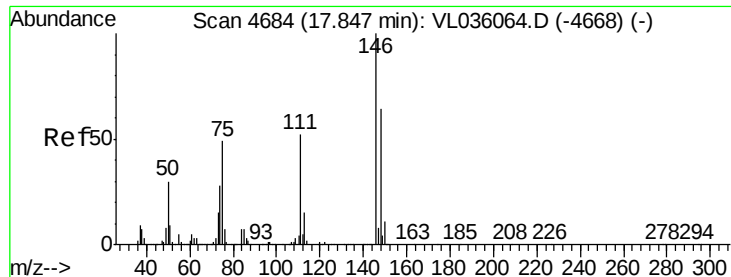
Tot Ion:146 Resp: 1385253
 Ion Ratio Lower Upper
 146 100
 111 51.9 25.1 75.3
 148 63.6 32.9 98.6



#76
 1,4-Dichlorobenzene
 Concen: 9.354 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.04 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

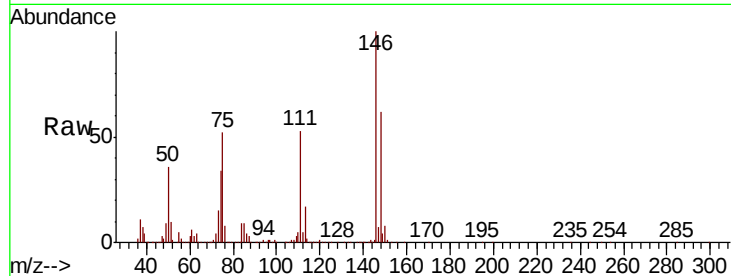
Tgt Ion:146 Resp: 1375314
 Ion Ratio Lower Upper
 146 100
 111 50.9 24.3 72.8
 148 63.8 32.8 98.3



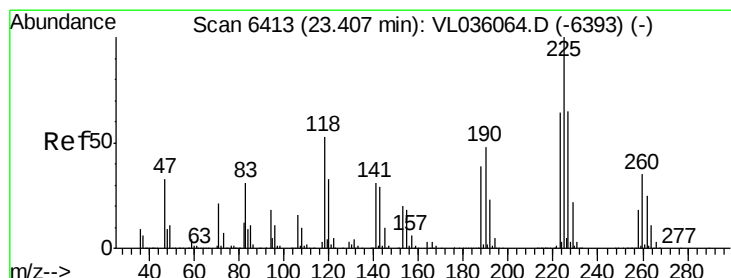
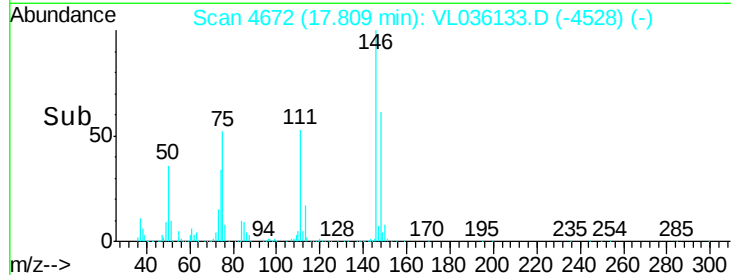
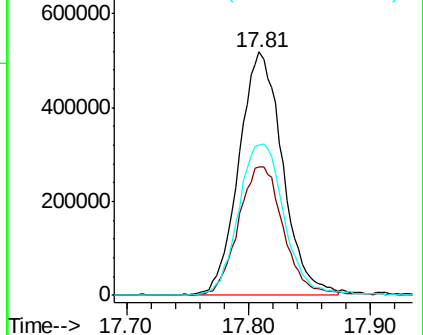


#77
 1,2-Dichlorobenzene
 Concen: 9.226 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. -0.04 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

Tot Ion:146 Resp: 1272114
 Ion Ratio Lower Upper
 146 100
 111 55.1 26.1 78.2
 148 65.9 33.1 99.5

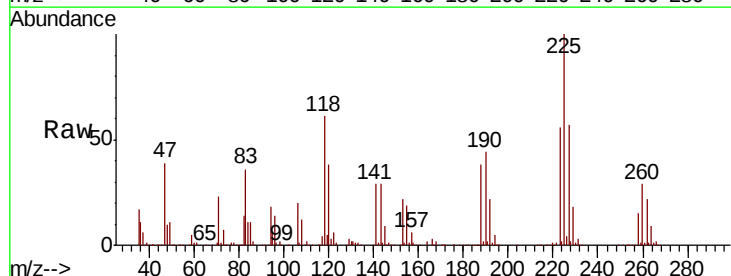


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

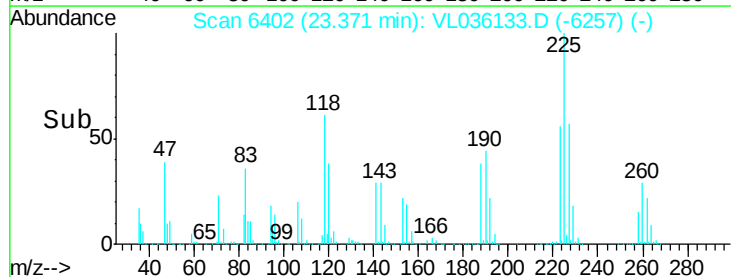
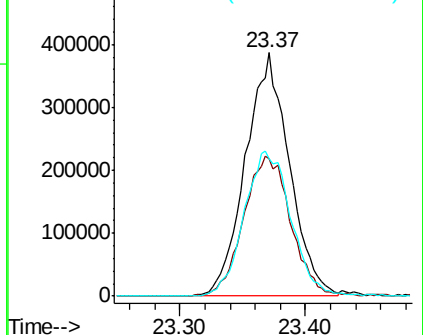


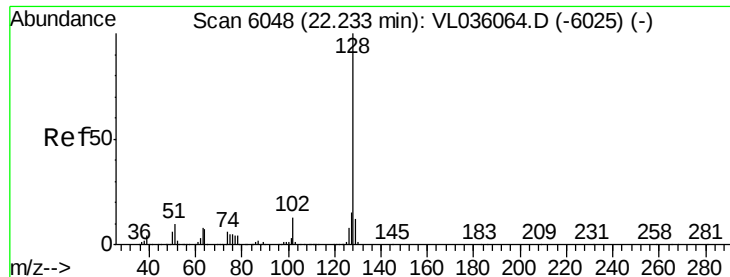
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.503 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. -0.04 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

Tgt Ion:225 Resp: 939713
 Ion Ratio Lower Upper
 225 100
 223 62.2 51.1 76.7
 227 63.8 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: 11.406 ppbv

RT: 22.19 min Scan# 6034

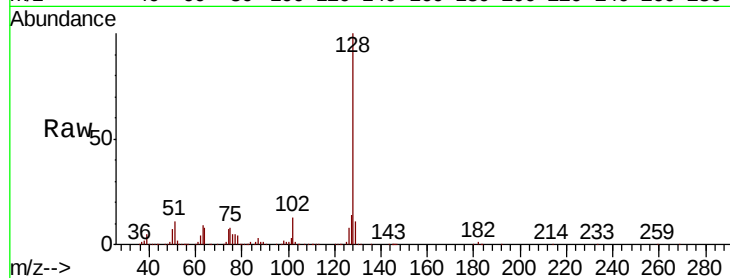
Delta R.T. -0.04 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tot Ion:128 Resp: 1672714

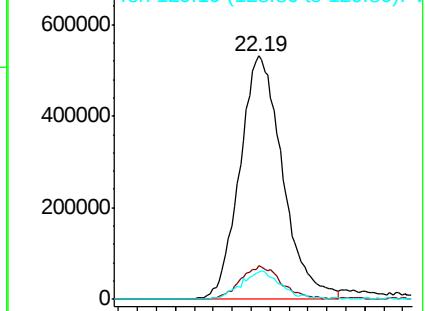
Ion	Ratio	Lower	Upper
128	100		
127	14.1	11.7	17.5
129	11.1	9.3	13.9



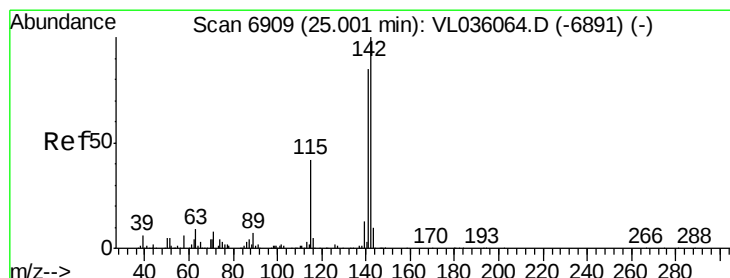
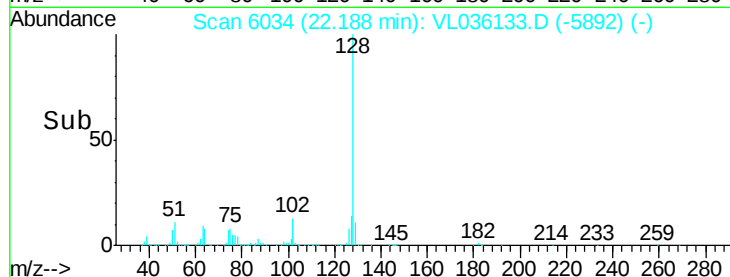
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 20.273 ppbv

RT: 24.98 min Scan# 6901

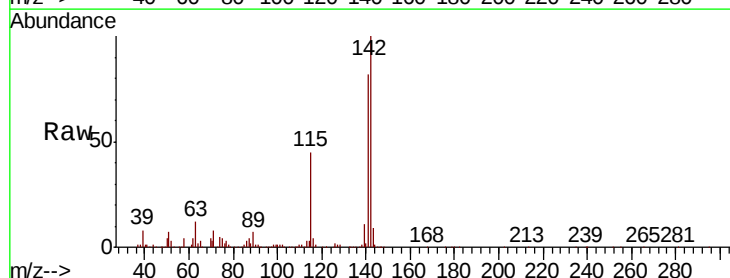
Delta R.T. -0.03 min

Lab File: VL036133.D

Acq: 10 Dec 2020 17:43

Tgt Ion:142 Resp: 664790

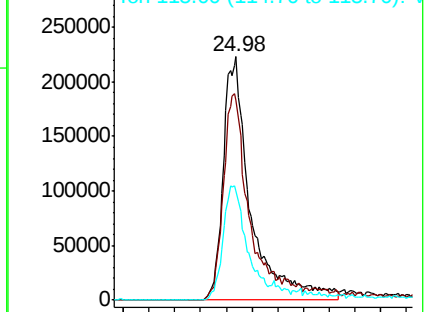
Ion	Ratio	Lower	Upper
142	100		
141	87.7	64.3	96.5
115	46.4	33.9	50.9



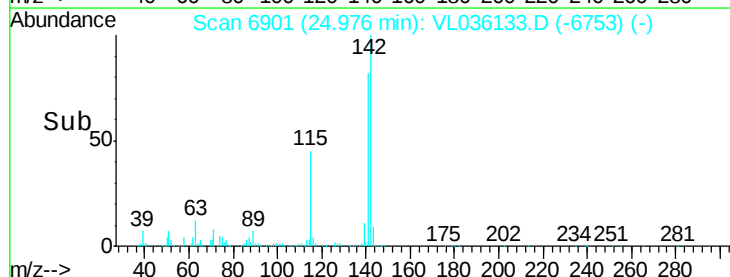
Abundance Ion 142.00 (141.70 to 142.70): V

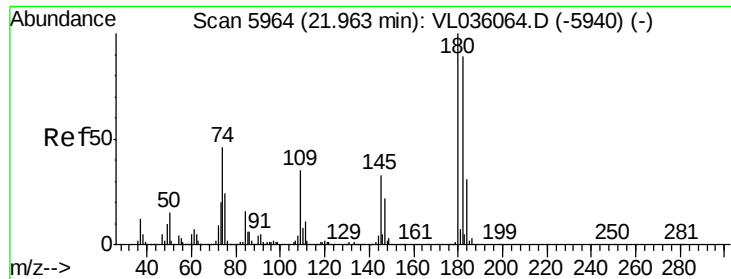
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->





#81

1,2,4-Trichlorobenzene
 Concen: 9.846 ppbv m
 RT: 21.91 min Scan# 5949
 Delta R.T. -0.05 min
 Lab File: VL036133.D
 Acq: 10 Dec 2020 17:43

Tot Ion	Ratio	Resp	Lower	Upper
180	100	964698		
182	0.0	0.0	0.0	0.0
184	0.0	0.0	0.0	0.0

