

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036820.D
 Acq On : 20 Apr 2021 12:50
 Operator : SY/AP
 Sample : VL0420ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 21 06:35:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1322330	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3396756	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3849445	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2427218	7.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1892964	8.777 ppbv	96
3) Chlorodifluoromethane	2.99	51	2408412	9.748 ppbv	99
4) Chloromethane	3.14	50	752249	8.620 ppbv	97
5) Vinyl Chloride	3.26	62	740341	8.251 ppbv	95
6) Bromomethane	3.47	94	375586	7.603 ppbv	99
7) Chloroethane	3.56	64	260365	8.444 ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	1793635	8.713 ppbv	99
9) Propene	3.01	41	731126	9.283 ppbv	98
10) Heptane	8.13	43	1903181	9.485 ppbv	99
11) Trichlorofluoromethane	3.95	101	1706286	7.763 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1133585	8.067 ppbv	97
13) Ethanol	3.60	45	19169	2.044 ppbv #	34
14) Bromoethene	3.74	108	490632	8.398 ppbv	99
15) Acetone	3.85	43	960421	7.379 ppbv	99
16) 1,3-Butadiene	3.33	39	783602	8.648 ppbv	97
17) tert-Butyl alcohol	4.29	59	986102	8.704 ppbv	98
18) 1,1-Dichloroethene	4.29	96	515778	8.251 ppbv	90
19) Isopropyl Alcohol	3.97	45	588194	8.216 ppbv	99
20) Methylene Chloride	4.35	84	411346	6.750 ppbv	97
21) Allyl Chloride	4.41	41	855942	8.250 ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	508163	8.769 ppbv	90
23) Vinyl Acetate	5.08	43	1761134	7.911 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1119825	6.901 ppbv	98
25) Ethyl Acetate	5.68	43	2758026	8.914 ppbv	99
26) Hexane	5.69	57	1349354	9.397 ppbv	97
27) Carbon Disulfide	4.56	76	1271723	8.991 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1128638	6.665 ppbv	98
29) Chloroform	5.76	83	2155782	9.388 ppbv	99
30) Cyclohexane	7.14	84	1143007	9.815 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1317715	9.488 ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2193242	9.477 ppbv	99
34) 2-Butanone	5.25	43	1328179	8.010 ppbv	98
35) Carbon Tetrachloride	7.02	117	2329360	8.928 ppbv	96
36) Benzene	6.90	78	2849771	9.097 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1621880	8.796 ppbv	100
38) Trichloroethene	7.84	130	1039214	8.524 ppbv	95
39) 1,2-Dichloropropane	7.62	63	1120987	8.821 ppbv	98
40) 1,4-Dioxane	7.84	88	161932	5.475 ppbv #	1
41) Tetrahydrofuran	6.06	42	611931	8.004 ppbv	96
42) Bromodichloromethane	7.80	83	2373266	9.463 ppbv	99
43) Methyl Methacrylate	8.02	69	1057375	10.052 ppbv	97

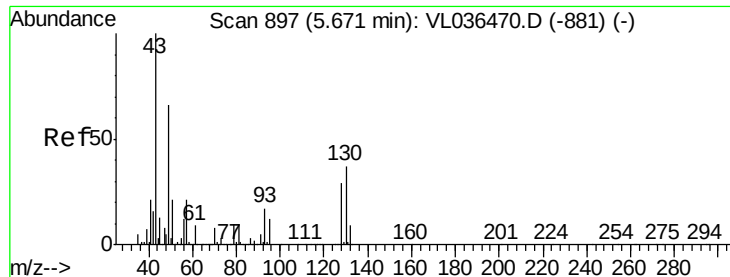
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036820.D
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Quant Time: Apr 21 06:35:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4817526	8.738	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	928837	7.733	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1242840	8.094	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	1169198	9.084	ppbv	96
48) Dibromochloromethane	10.31	129	1909846	9.733	ppbv	100
49) Bromoform	13.05	173	1606001	10.158	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2017680	8.410	ppbv	99
51) 2-Hexanone	10.15	43	1089822	9.002	ppbv #	99
52) Tetrachloroethene	11.23	164	954920	8.278	ppbv	94
53) Toluene	9.82	91	3175937	9.520	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1654481	9.102	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1343031	7.714	ppbv	98
57) Chlorobenzene	12.16	112	2393543	7.308	ppbv	100
58) Ethyl Benzene	12.72	91	4339740	7.749	ppbv	99
59) m/p-Xylene	13.01	91	3939179	8.064	ppbv #	42
60) o-Xylene	13.70	91	3485244	7.379	ppbv	100
61) Styrene	13.54	104	1867039	7.857	ppbv	99
62) Isopropylbenzene	14.68	105	4806910	7.557	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2596616	7.207	ppbv	100
64) n-propylbenzene	15.57	120	1234499	7.938	ppbv	94
65) tert-Butylbenzene	16.75	119	4191143	7.599	ppbv	100
66) Benzyl Chloride	17.00	91	352195	5.777	ppbv	99
67) sec-Butylbenzene	17.31	105	5912808	7.595	ppbv	100
69) p-Isopropyltoluene	17.67	119	4845380	7.970	ppbv	99
70) n-Butylbenzene	18.56	91	5020608	7.965	ppbv	99
71) 2-Chlorotoluene	15.46	91	3721002	7.807	ppbv	100
72) 4-Ethyltoluene	15.85	105	4013199	7.754	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3648792	7.554	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	3831698	7.412	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	2244091	7.713	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2143056	7.418	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2192382	8.016	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1682950	6.871	ppbv	99
79) Naphthalene	22.21	128	2441238	8.093	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	303189	5.097	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1546523	8.304	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Apr 2021 12:50

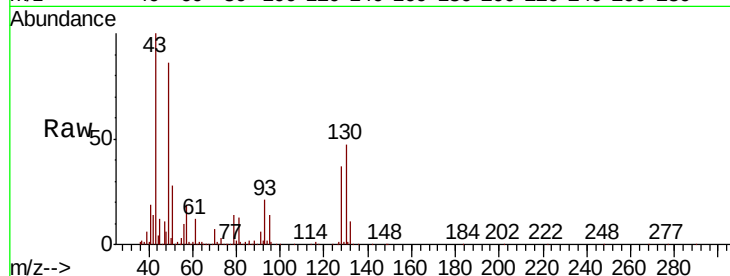
Tot Ion: 49 Resp: 1322330

Ion	Ratio	Lower	Upper
49	100		
128	49.4	23.5	70.6
130	59.1	29.1	87.4

49 100

128 49.4 23.5 70.6

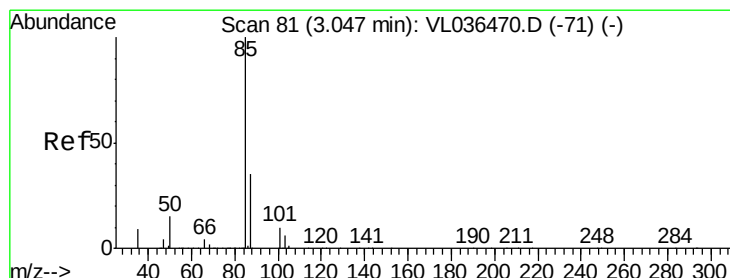
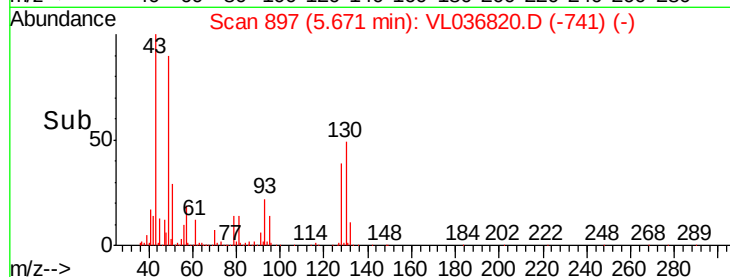
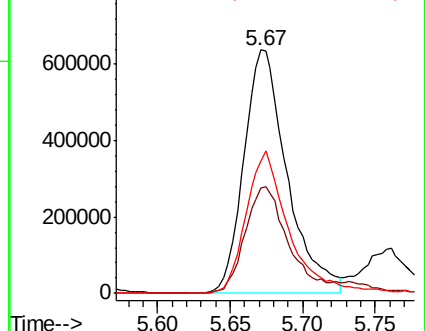
130 59.1 29.1 87.4



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: 8.777 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036820.D

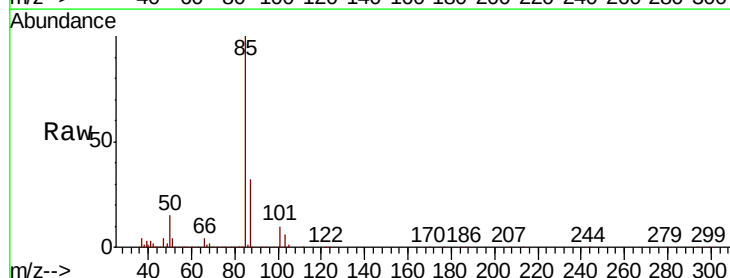
Acq: 20 Apr 2021 12:50

Tgt Ion: 85 Resp: 1892964

Ion	Ratio	Lower	Upper
85	100		
87	32.3	27.8	41.8

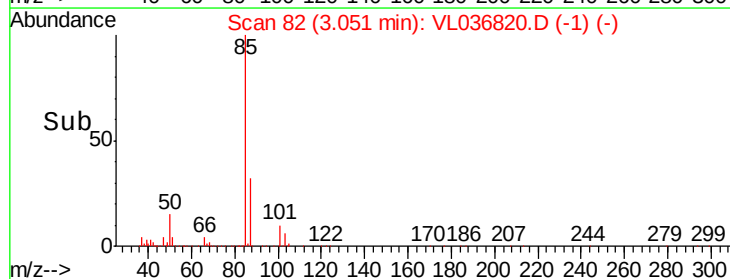
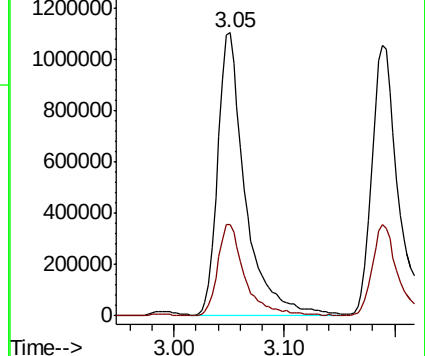
85 100

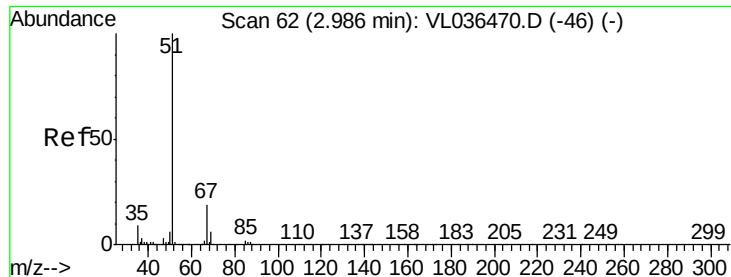
87 32.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.748 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

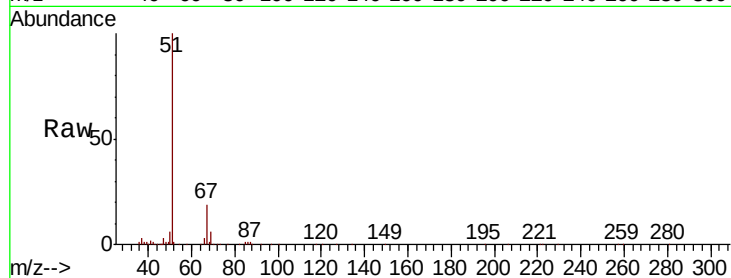
Acq: 20 Apr 2021 12:50

Tot Ion: 51 Resp: 2408412

Ion Ratio Lower Upper

51 100

67 18.6 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

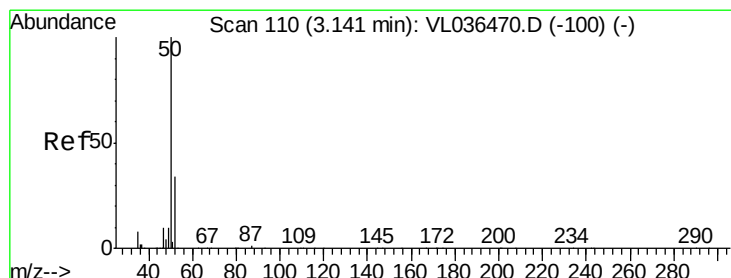
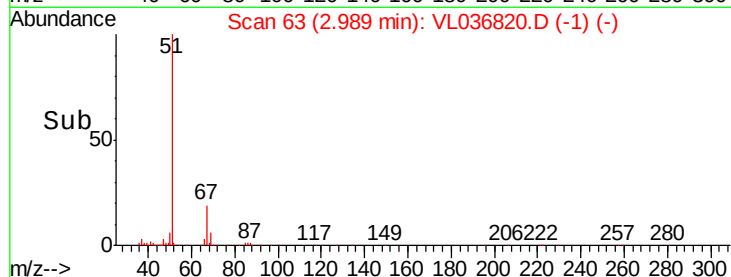
2.99

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 8.620 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036820.D

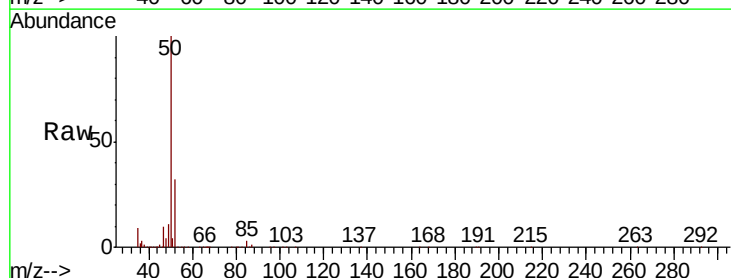
Acq: 20 Apr 2021 12:50

Tgt Ion: 50 Resp: 752249

Ion Ratio Lower Upper

50 100

52 32.1 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

3.14

400000

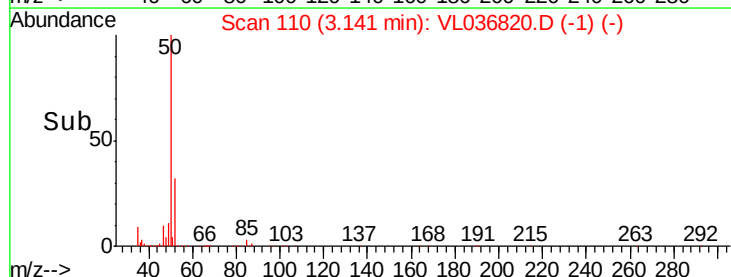
300000

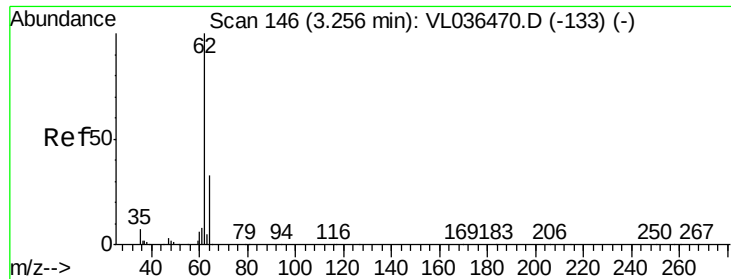
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.251 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

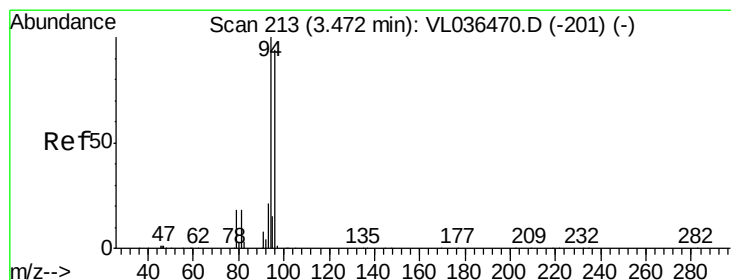
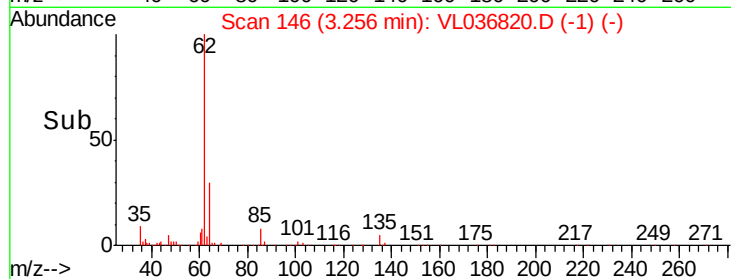
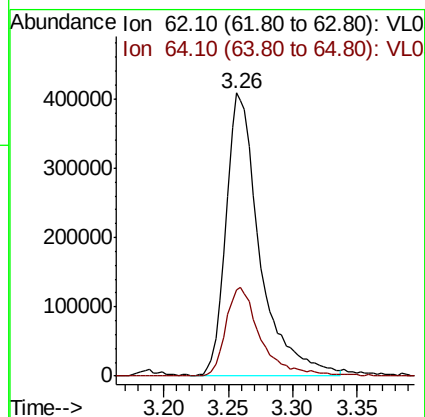
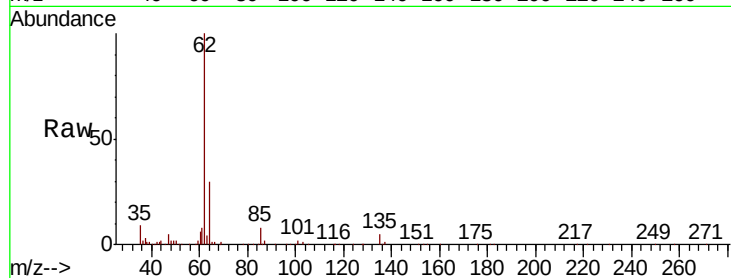
Acq: 20 Apr 2021 12:50

Tot Ion: 62 Resp: 740341

Ion Ratio Lower Upper

62 100

64 30.2 26.4 39.6



#6

Bromomethane

Concen: 7.603 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL036820.D

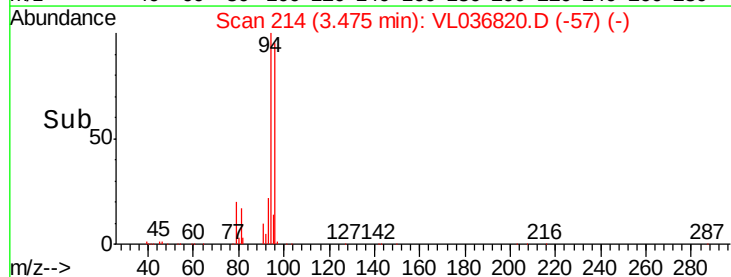
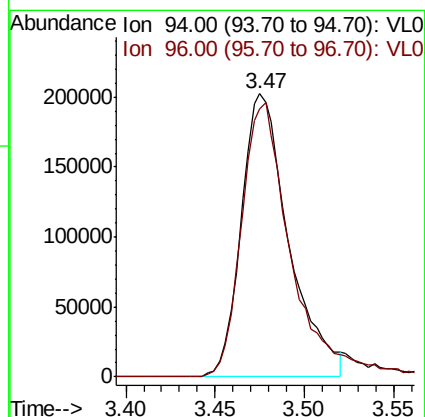
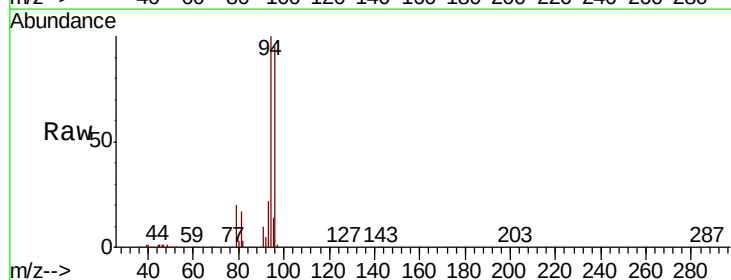
Acq: 20 Apr 2021 12:50

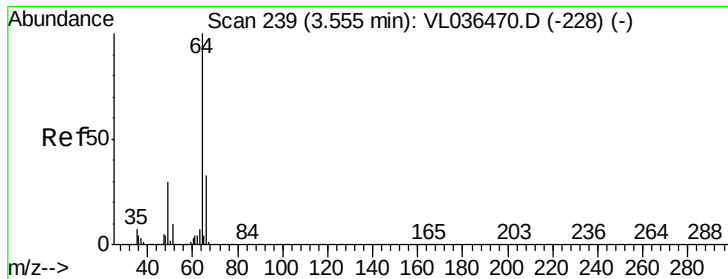
Tgt Ion: 94 Resp: 375586

Ion Ratio Lower Upper

94 100

96 94.9 74.9 112.3





#7

Chloroethane

Concen: 8.444 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

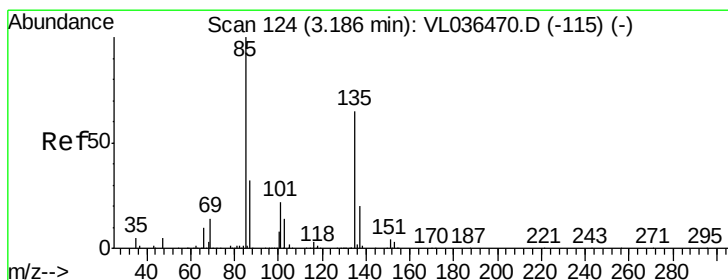
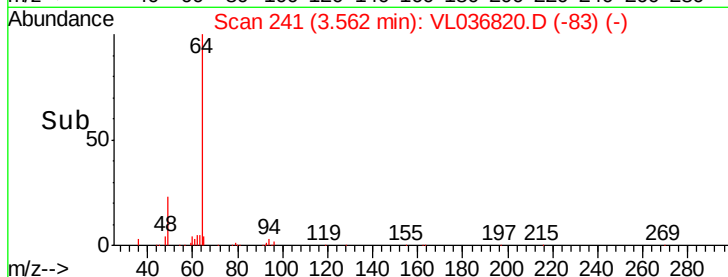
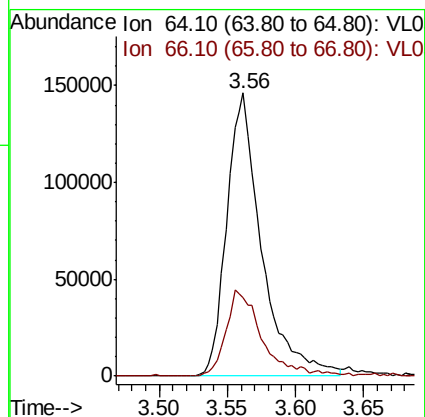
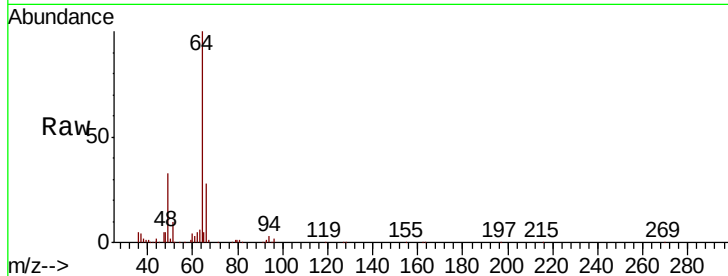
Acq: 20 Apr 2021 12:50

Tot Ion: 64 Resp: 260365

Ion Ratio Lower Upper

64 100

66 27.6 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 8.713 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036820.D

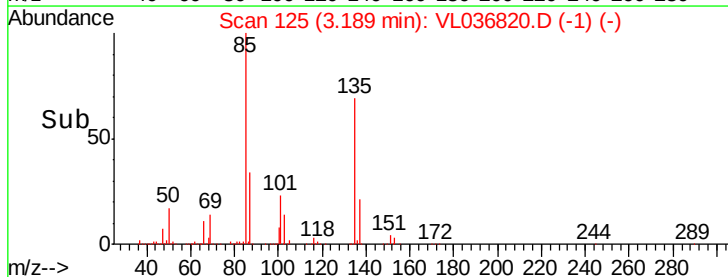
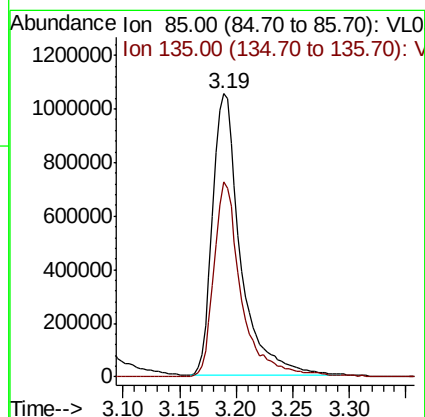
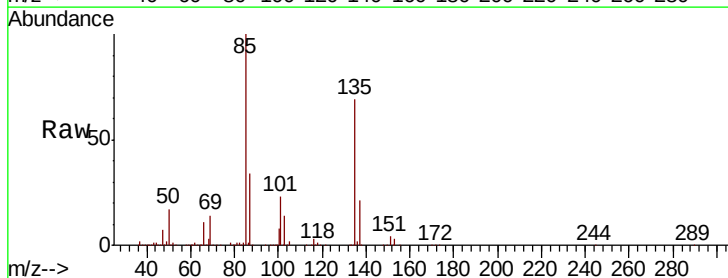
Acq: 20 Apr 2021 12:50

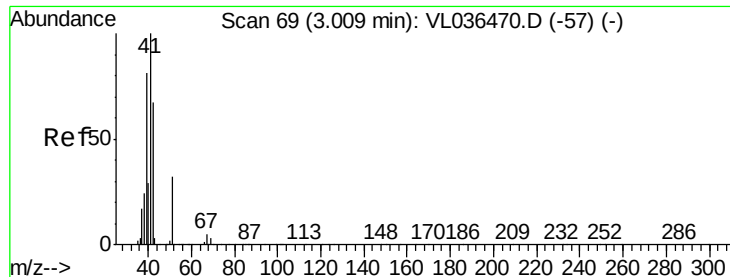
Tgt Ion: 85 Resp: 1793635

Ion Ratio Lower Upper

85 100

135 69.0 54.3 81.5





#9

Propene

Concen: 9.283 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

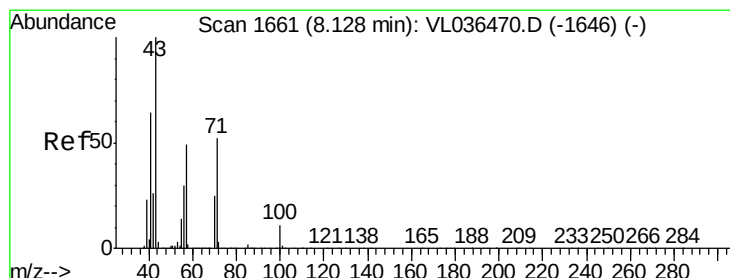
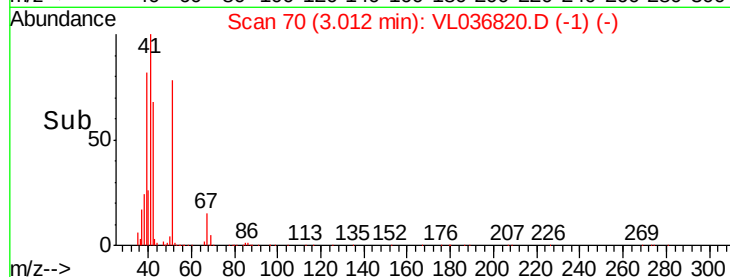
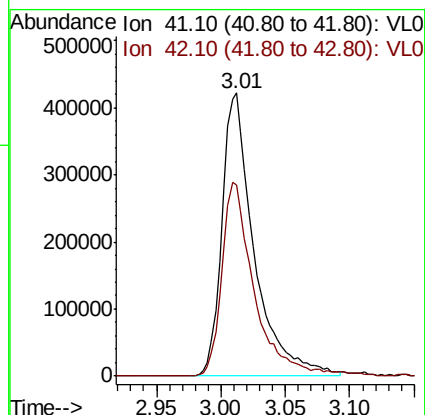
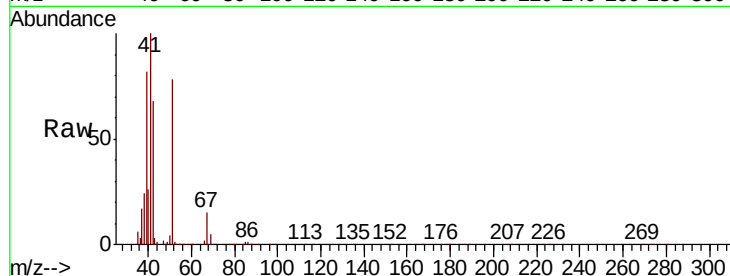
Acq: 20 Apr 2021 12:50

Tot Ion: 41 Resp: 731126

Ion Ratio Lower Upper

41 100

42 69.9 57.0 85.4



#10

Heptane

Concen: 9.485 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL036820.D

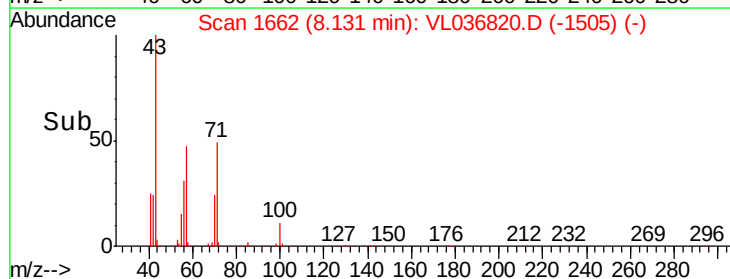
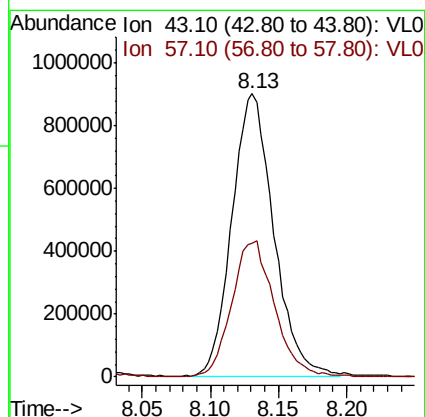
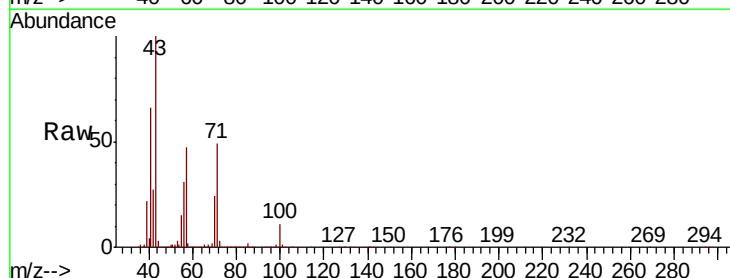
Acq: 20 Apr 2021 12:50

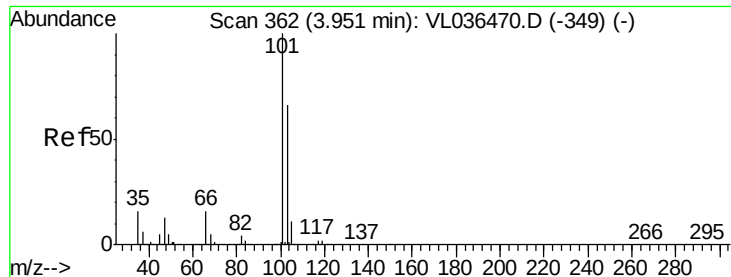
Tgt Ion: 43 Resp: 1903181

Ion Ratio Lower Upper

43 100

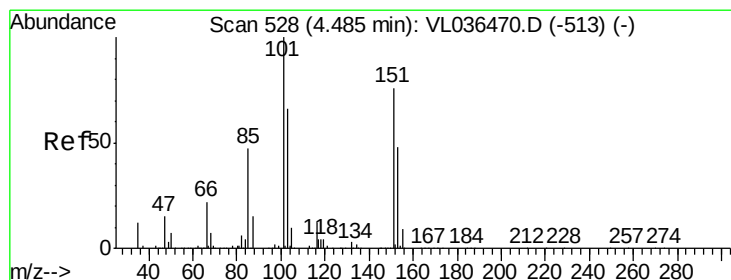
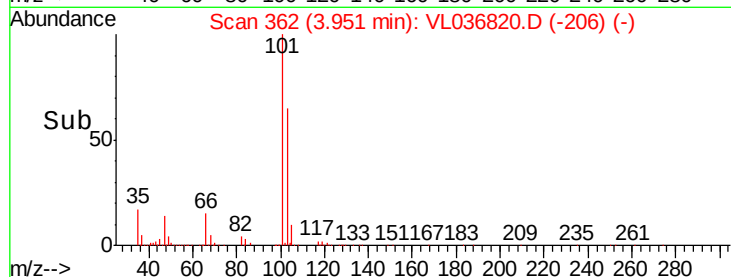
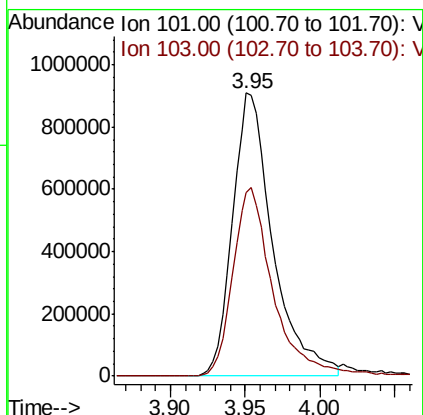
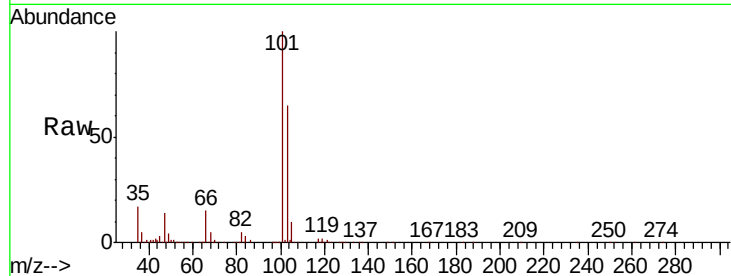
57 49.6 39.0 58.6





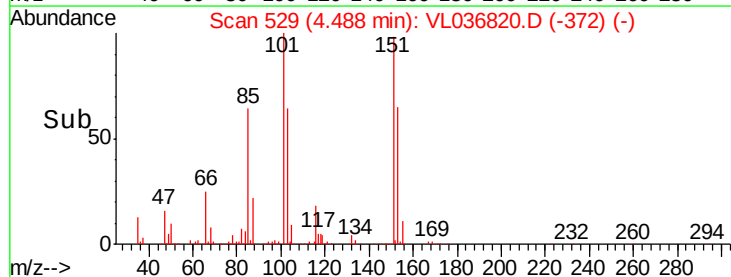
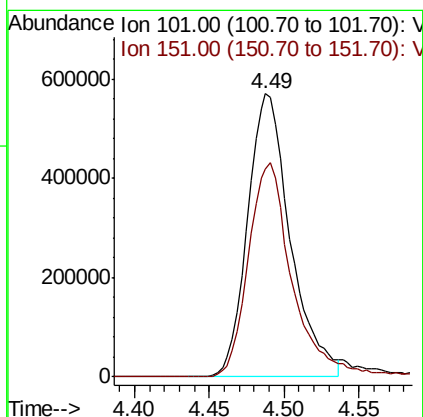
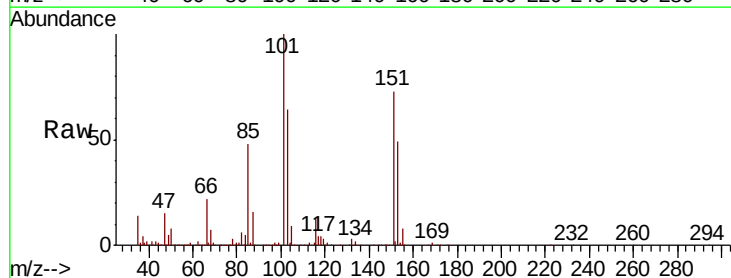
#11
 Trichlorofluoromethane
 Concen: 7.763 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 20 Apr 2021 12:50

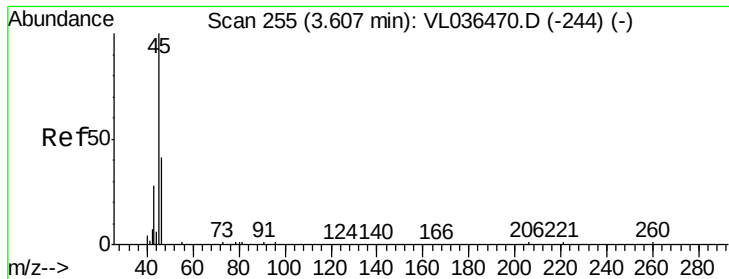
Tot Ion:101 Resp: 1706286
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.067 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T.: 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

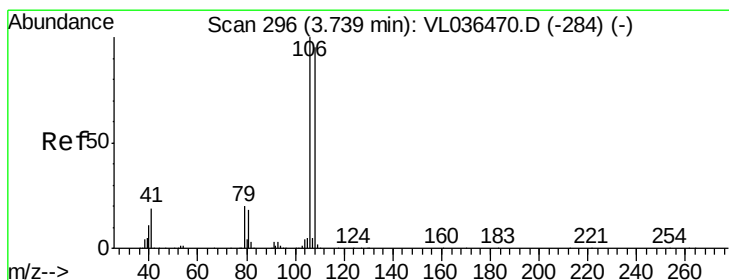
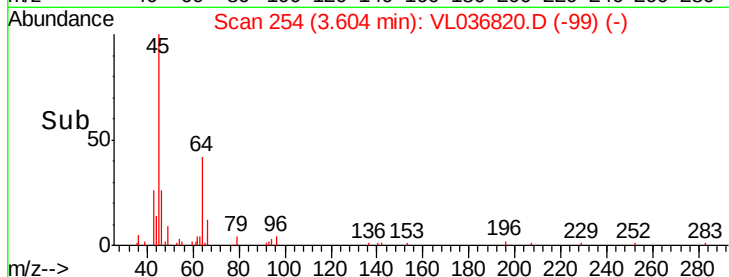
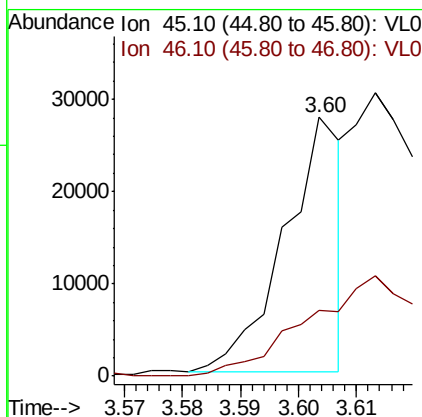
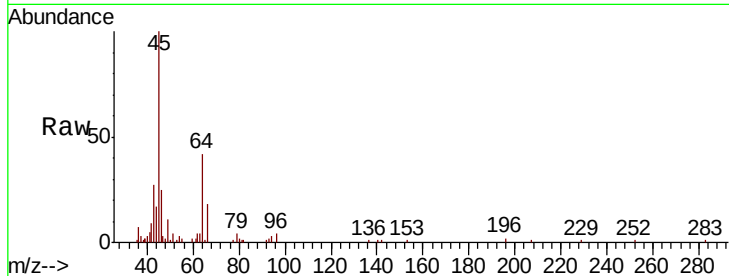
Tgt Ion:101 Resp: 1133585
 Ion Ratio Lower Upper
 101 100
 151 78.9 60.9 91.3





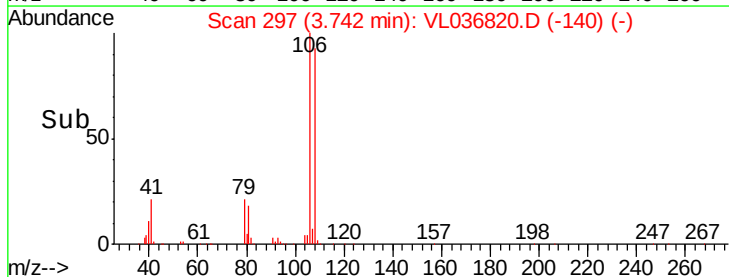
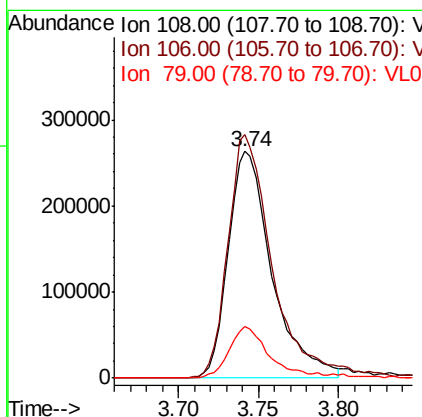
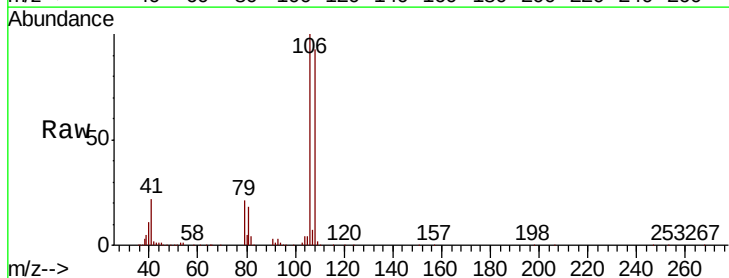
#13
 Ethanol
 Concen: 2.044 ppbv
 RT: 3.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:50

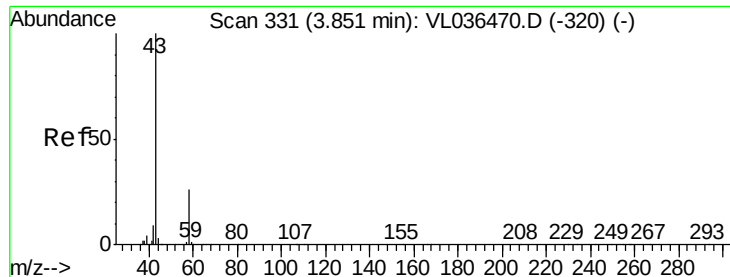
Tot Ion: 45 Resp: 19169
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.6 66.2#



#14
 Bromoethene
 Concen: 8.398 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T.: 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

Tgt Ion: 108 Resp: 490632
 Ion Ratio Lower Upper
 108 100
 106 111.8 89.0 133.6
 79 22.2 16.6 25.0





#15

Acetone

Concen: 7.379 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

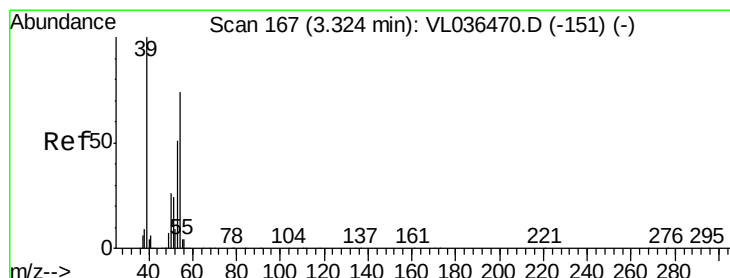
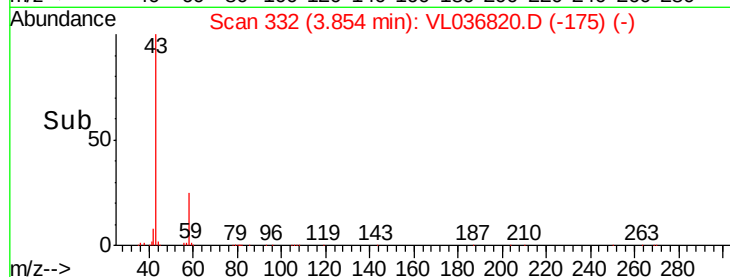
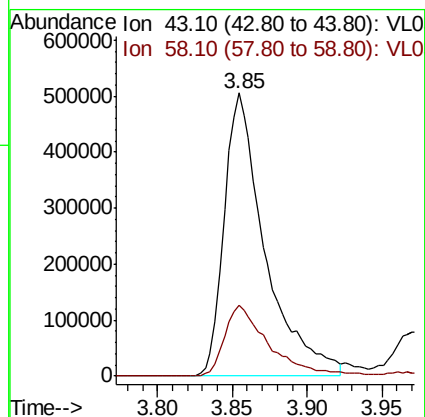
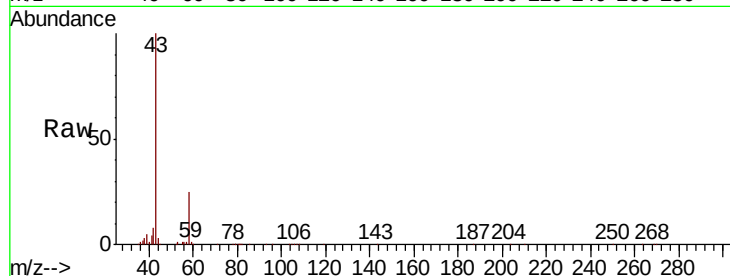
Acq: 20 Apr 2021 12:50

Tot Ion: 43 Resp: 960421

Ion Ratio Lower Upper

43 100

58 27.2 21.2 31.8



#16

1,3-Butadiene

Concen: 8.648 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL036820.D

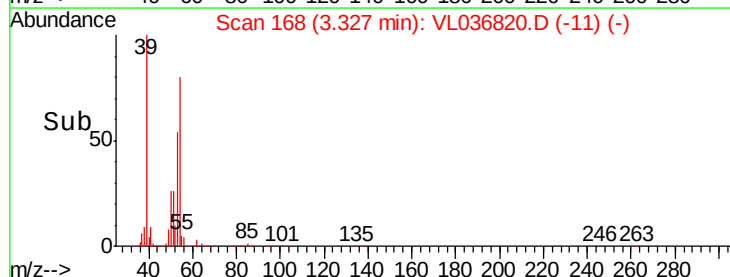
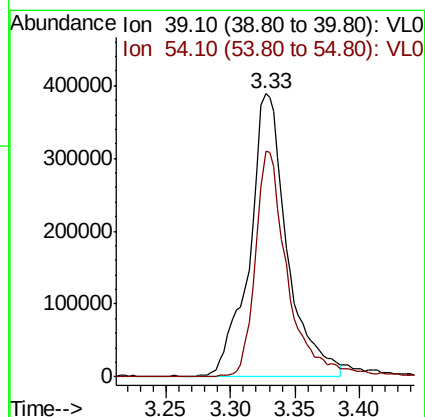
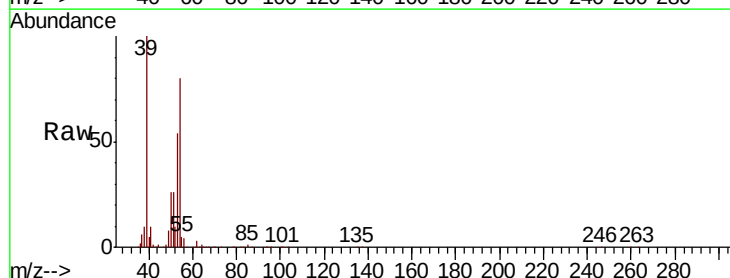
Acq: 20 Apr 2021 12:50

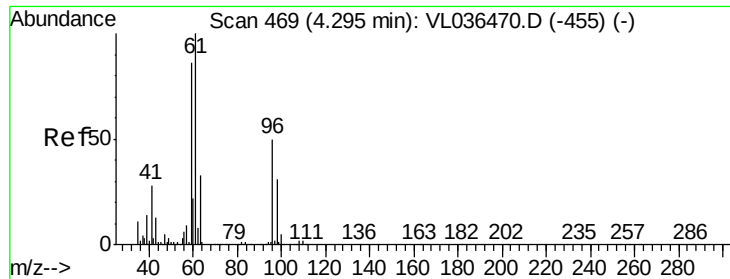
Tgt Ion: 39 Resp: 783602

Ion Ratio Lower Upper

39 100

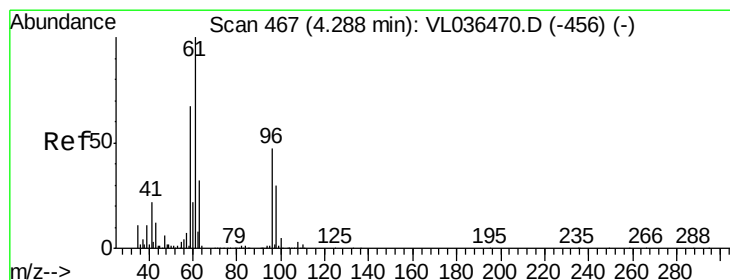
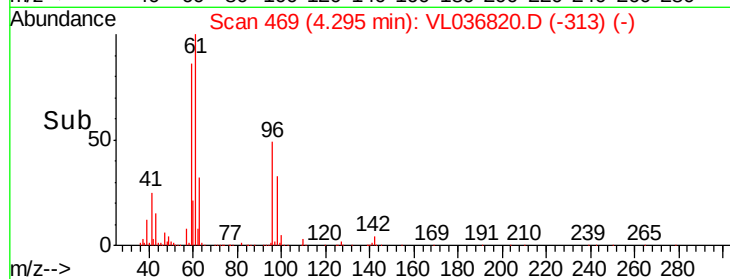
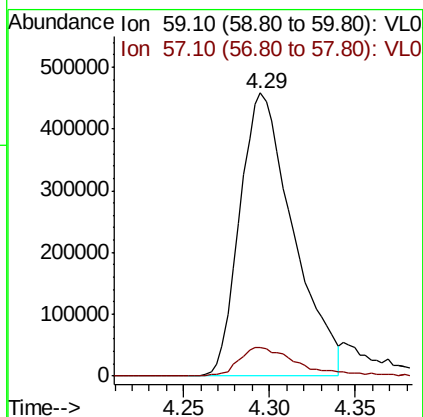
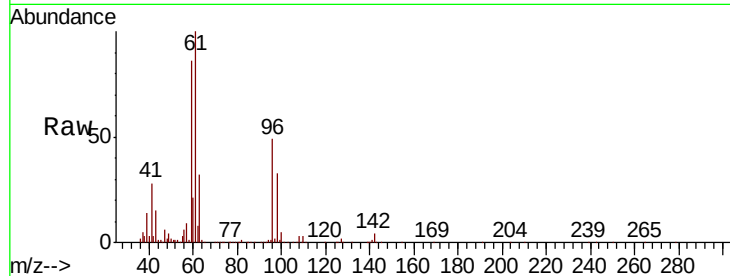
54 70.8 58.8 88.2





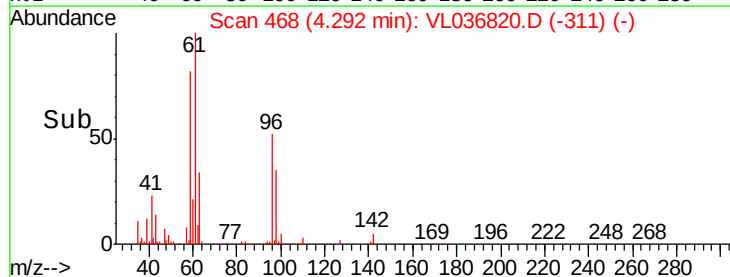
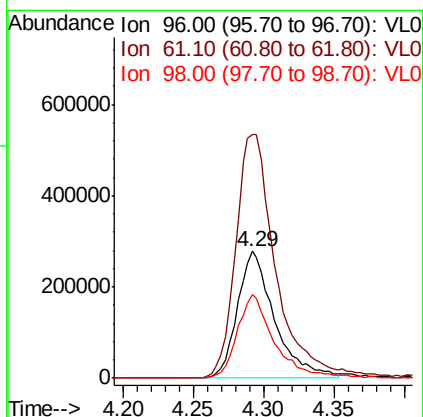
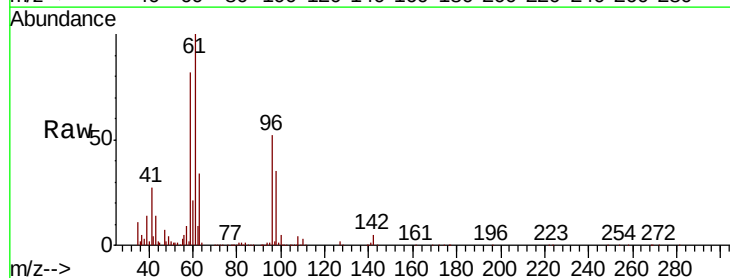
#17
tert-Butyl alcohol
Concen: 8.704 ppbv
RT: 4.29 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 20 Apr 2021 12:50

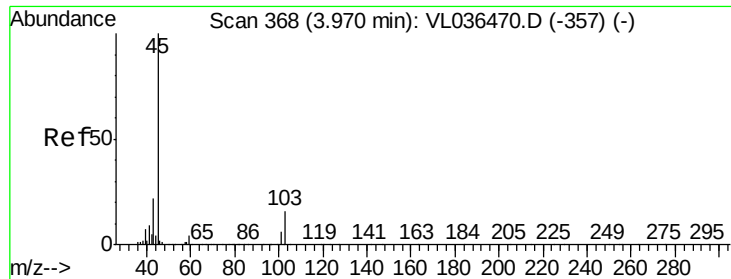
Tot Ion: 59 Resp: 986102
Ion Ratio Lower Upper
59 100
57 11.5 8.6 12.8



#18
1,1-Dichloroethene
Concen: 8.251 ppbv
RT: 4.29 min Scan# 468
Delta R.T.: 0.00 min
Lab File: VL036820.D
Acq: 20 Apr 2021 12:50

Tgt Ion: 96 Resp: 515778
Ion Ratio Lower Upper
96 100
61 192.0 168.6 253.0
98 66.3 50.8 76.2





#19

Isopropyl Alcohol

Concen: 8.216 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

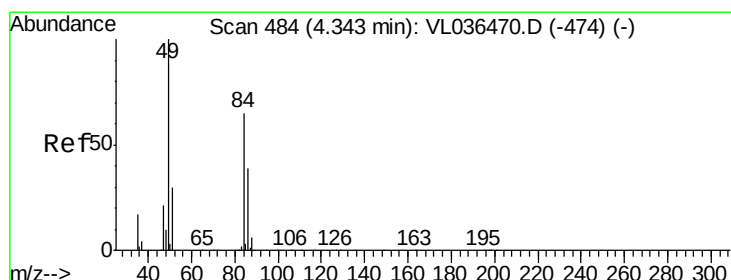
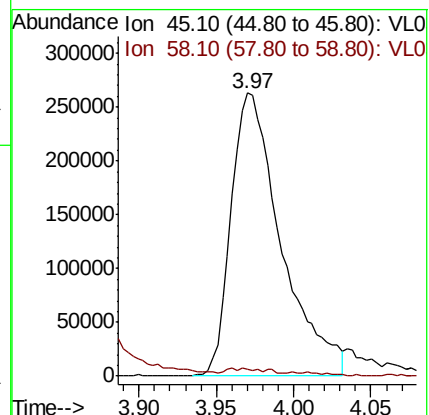
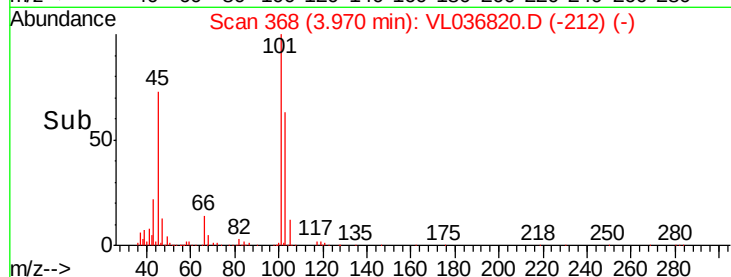
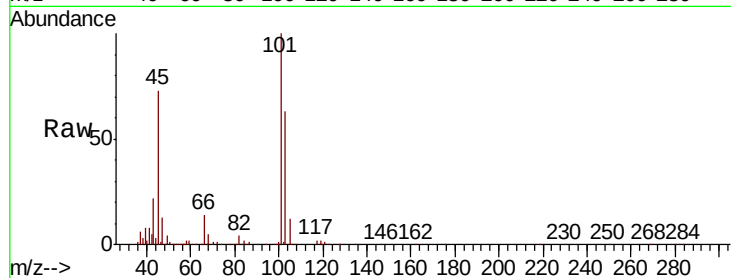
Acq: 20 Apr 2021 12:50

Tot Ion: 45 Resp: 588194

Ion Ratio Lower Upper

45 100

58 3.2 2.9 4.3



#20

Methylene Chloride

Concen: 6.750 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

Tgt Ion: 84 Resp: 411346

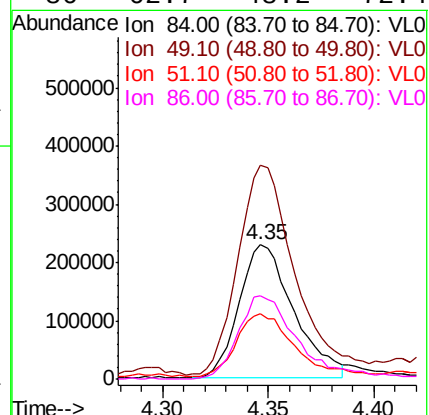
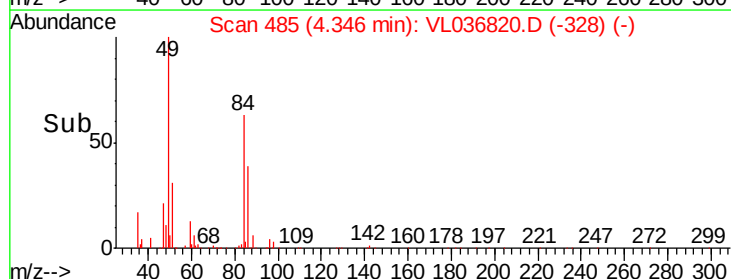
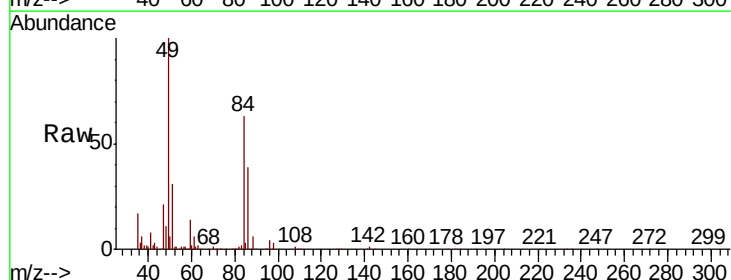
Ion Ratio Lower Upper

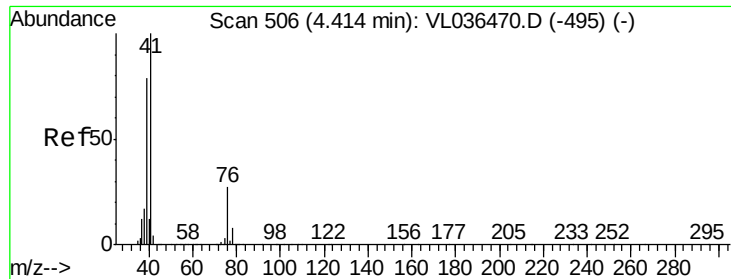
84 100

49 157.3 122.9 184.3

51 47.1 36.9 55.3

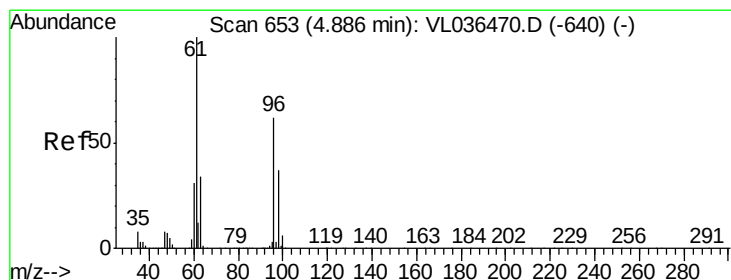
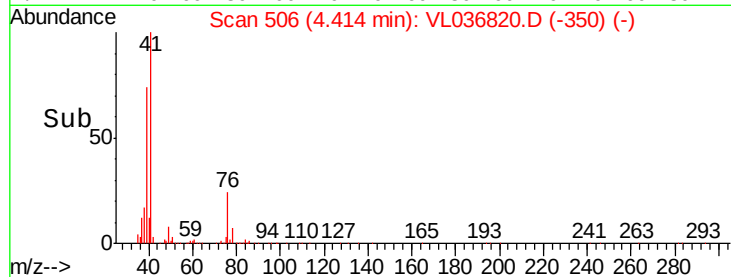
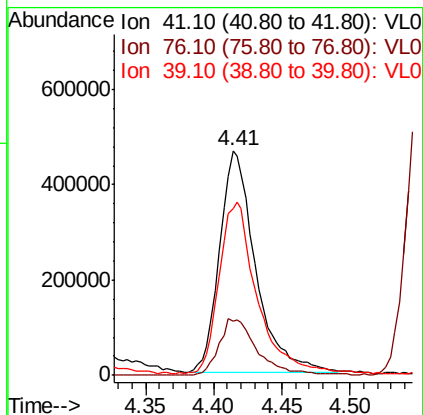
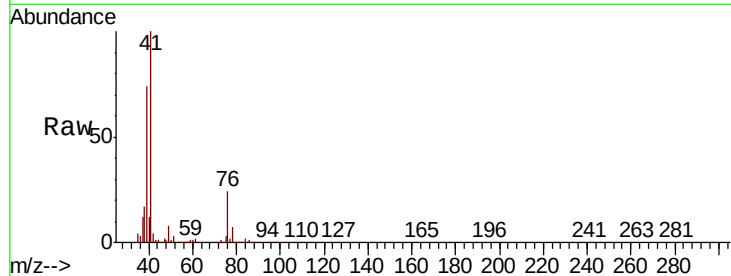
86 62.7 48.2 72.4





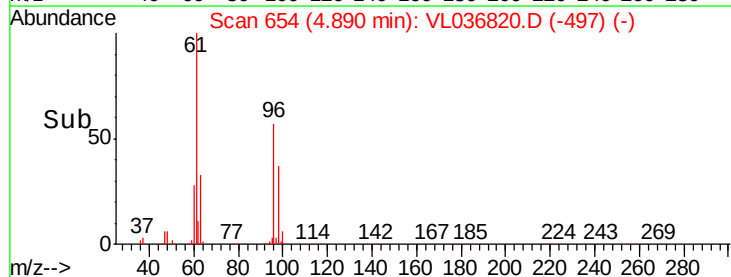
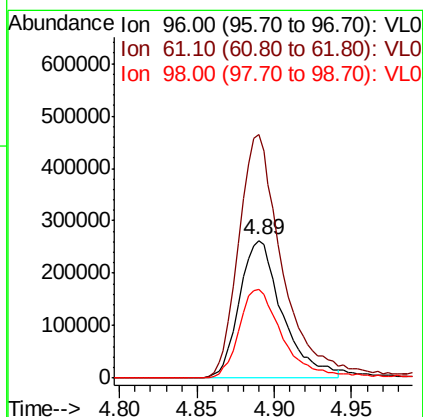
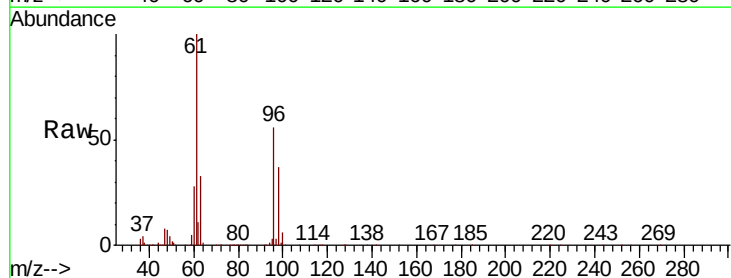
#21
 Allvl Chloride
 Concen: 8.250 ppbv
 RT: 4.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Apr 2021 12:50

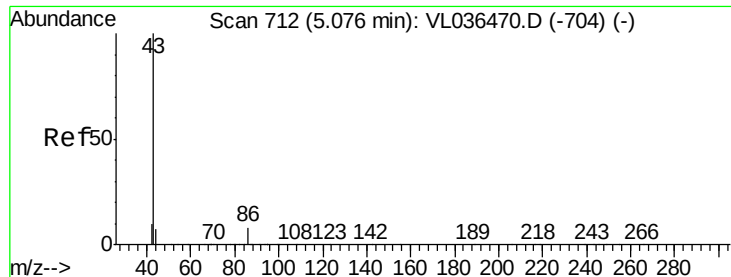
Tot Ion	Ratio	Lower	Upper
41	100		
76	27.0	22.9	34.3
39	81.7	67.3	100.9



#22
 trans-1,2-Dichloroethene
 Concen: 8.769 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.1	129.4	194.0
98	65.0	48.2	72.4





#23

Vinyl Acetate

Concen: 7.911 ppbv

RT: 5.08 Instrument:

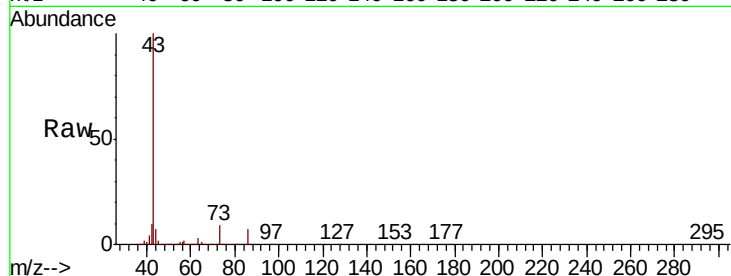
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

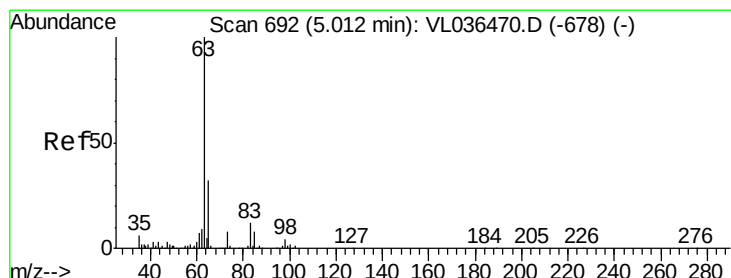
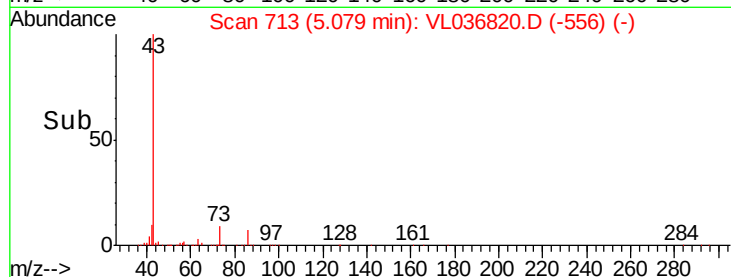
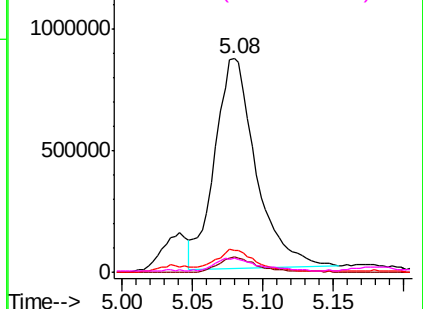
Acq: 20 Apr 2021 12:50

Tot Ion: 43 Resp: 1761134

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.4	8.0
42	9.7	8.5	12.7
44	6.1	4.6	7.0



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: 6.901 ppbv

RT: 5.02 min Scan# 693

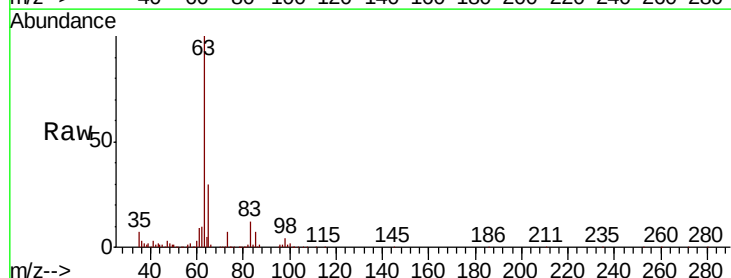
Delta R.T. 0.00 min

Lab File: VL036820.D

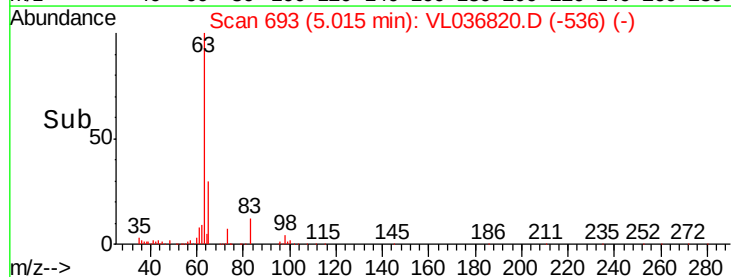
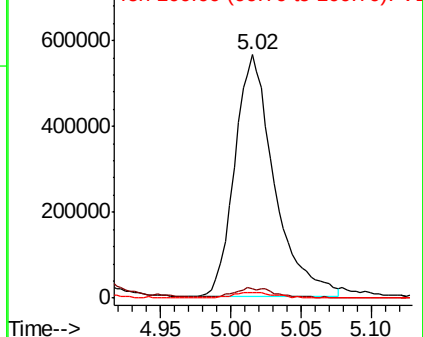
Acq: 20 Apr 2021 12:50

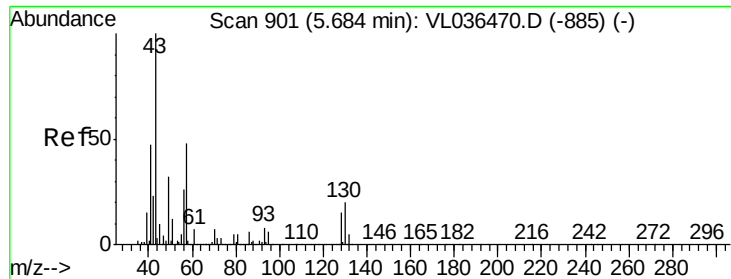
Tgt Ion: 63 Resp: 1119825

Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.1	6.2
100	2.1	0.9	2.8



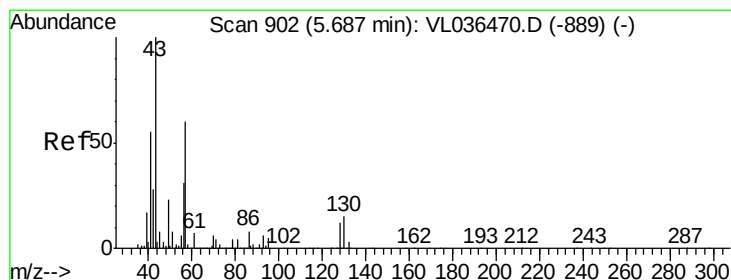
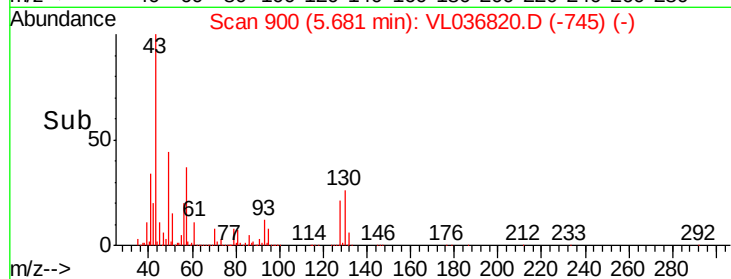
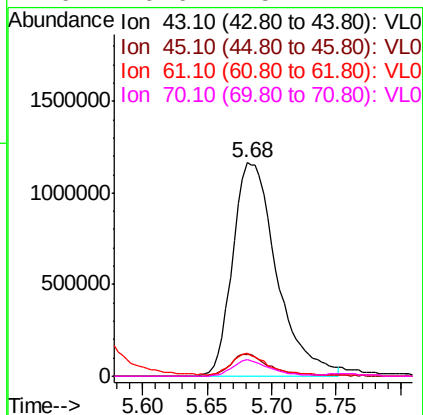
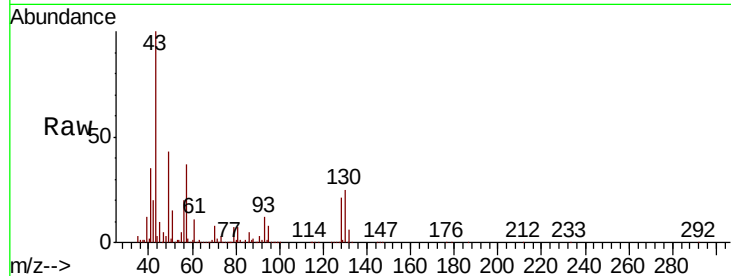
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





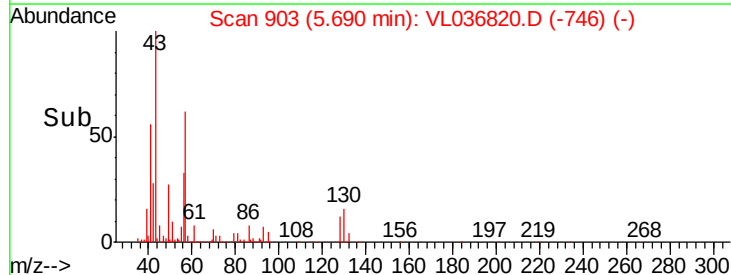
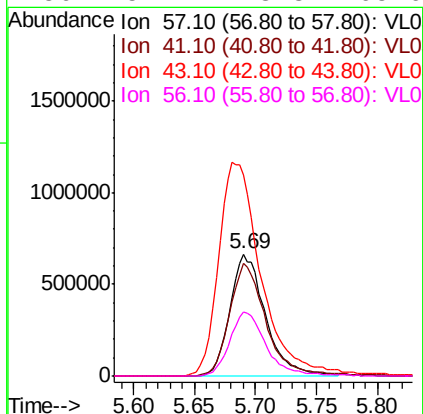
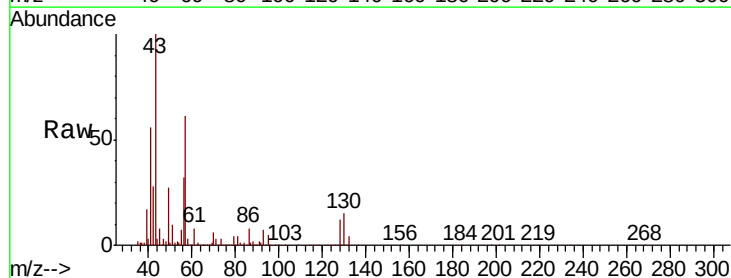
#25
Ethyl Acetate
Concen: 8.914 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 20 Apr 2021 12:50

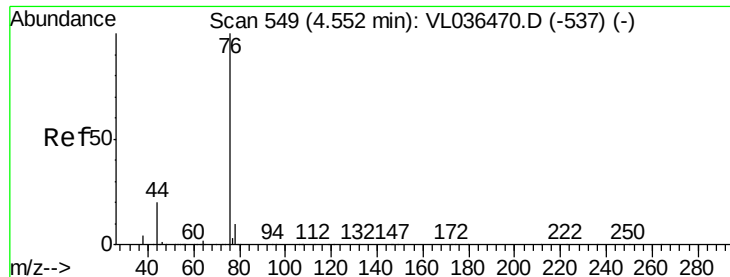
Tot Ion:	43	Resp:	2758026
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.7	7.4	11.2
70	6.6	5.1	7.7



#26
Hexane
Concen: 9.397 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.00 min
Lab File: VL036820.D
Acq: 20 Apr 2021 12:50

Tgt Ion:	57	Resp:	1349354
Ion	Ratio	Lower	Upper
57	100		
41	95.1	77.2	115.8
43	211.1	173.8	260.6
56	54.1	43.8	65.6





#27

Carbon Disulfide

Concen: 8.991 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 20 Apr 2021 12:50

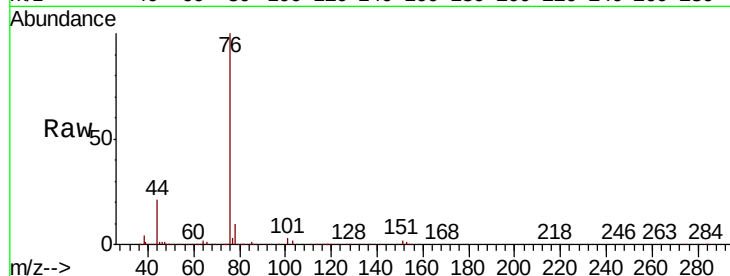
Tot Ion: 76 Resp: 1271723

Ion Ratio Lower Upper

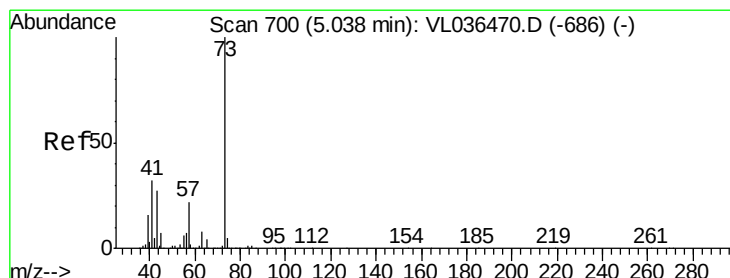
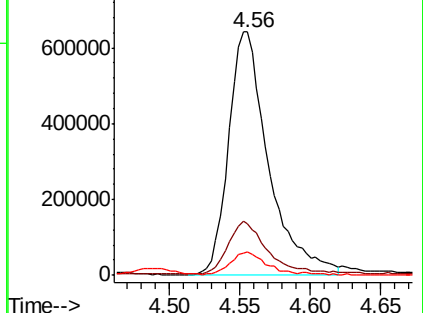
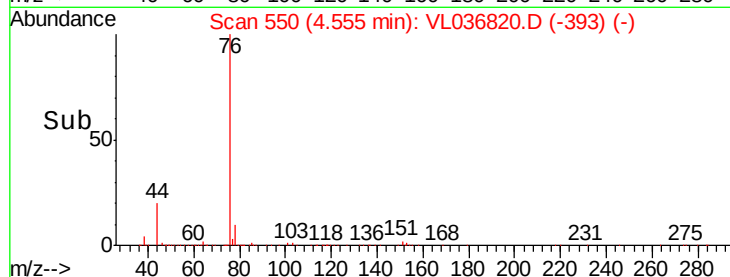
76 100

44 22.6 17.5 26.3

78 9.7 8.6 13.0



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: 6.665 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL036820.D

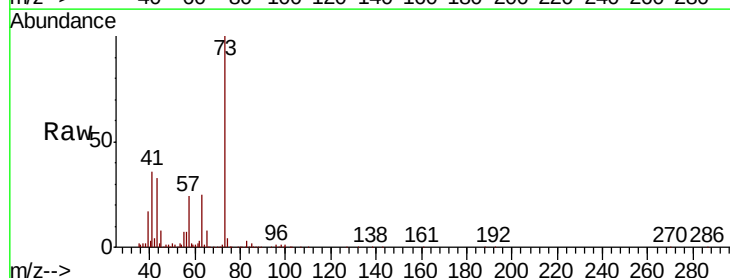
Acq: 20 Apr 2021 12:50

Tgt Ion: 73 Resp: 1128638

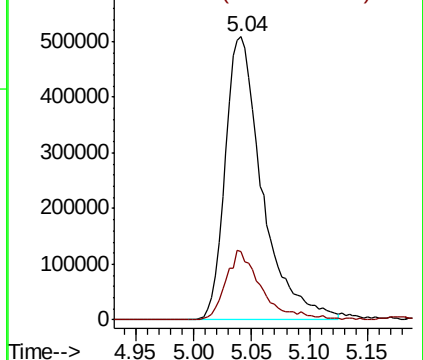
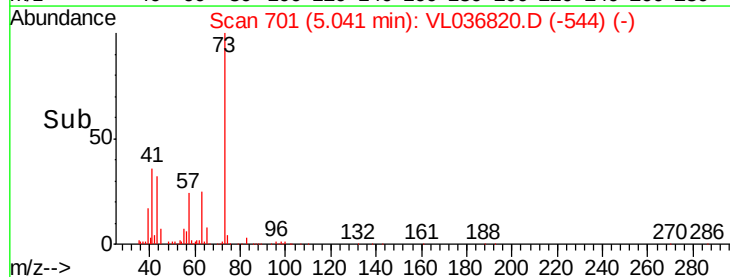
Ion Ratio Lower Upper

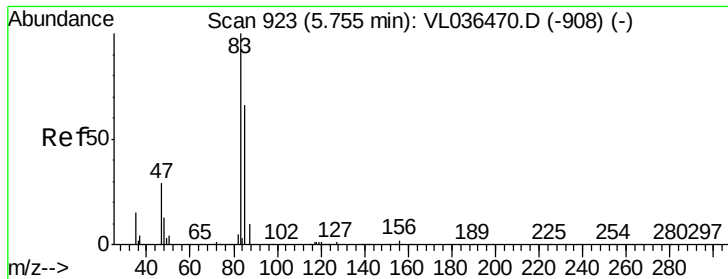
73 100

57 23.9 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.388 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

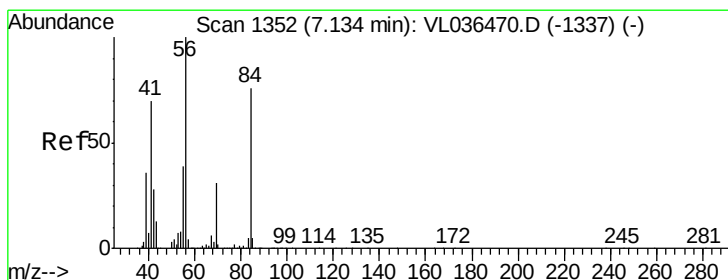
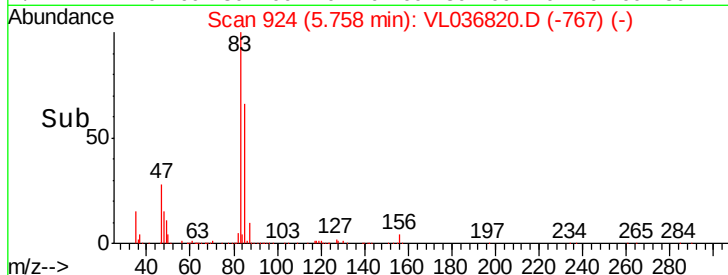
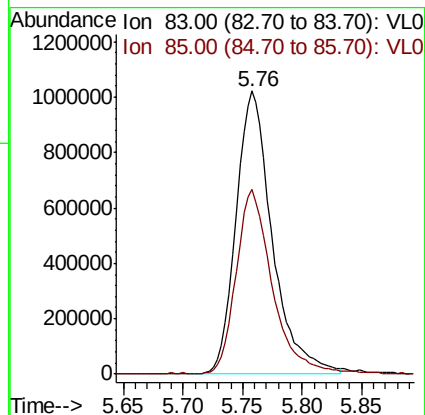
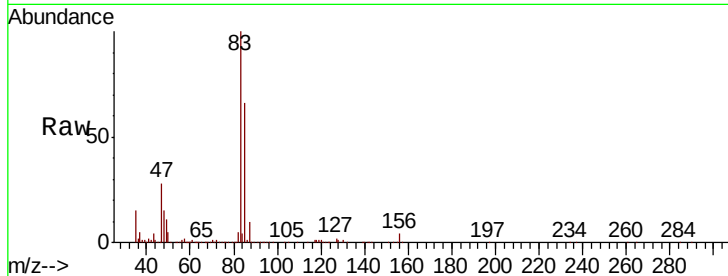
Acq: 20 Apr 2021 12:50

Tot Ion: 83 Resp: 2155782

Ion Ratio Lower Upper

83 100

85 65.3 52.6 78.8



#30

Cyclohexane

Concen: 9.815 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

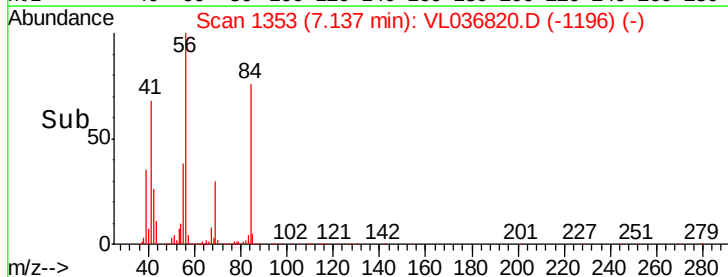
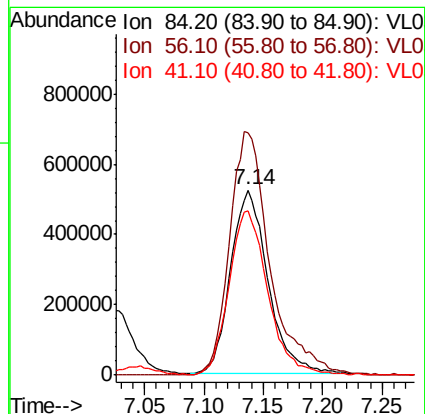
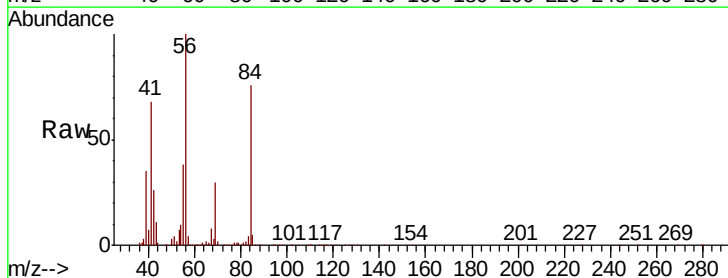
Tgt Ion: 84 Resp: 1143007

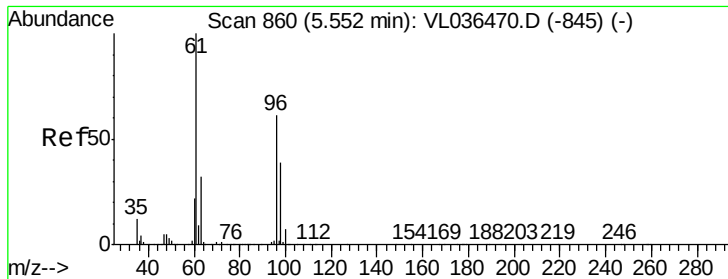
Ion Ratio Lower Upper

84 100

56 144.3 114.6 171.8

41 92.8 75.3 112.9





#31

cis-1,2-Dichloroethene

Concen: 9.488 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 20 Apr 2021 12:50

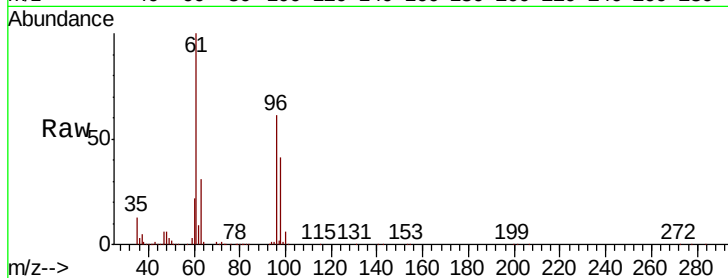
Tot Ion: 61 Resp: 1317715

Ion Ratio Lower Upper

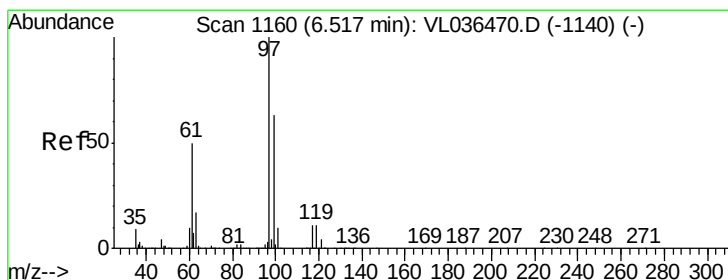
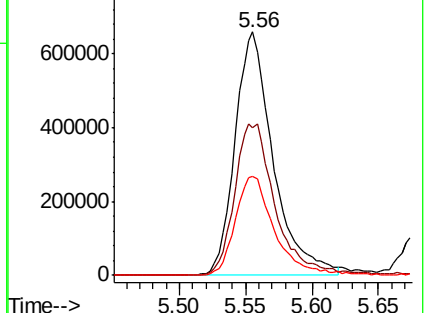
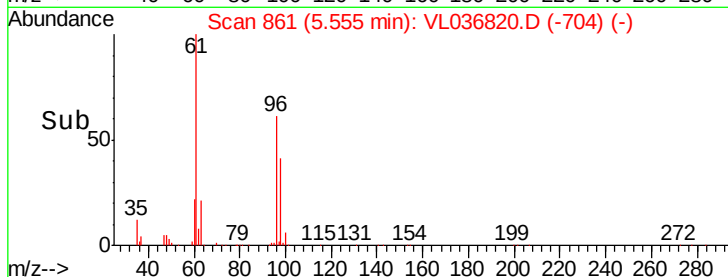
61 100

96 60.6 48.7 73.1

98 40.9 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: 9.477 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

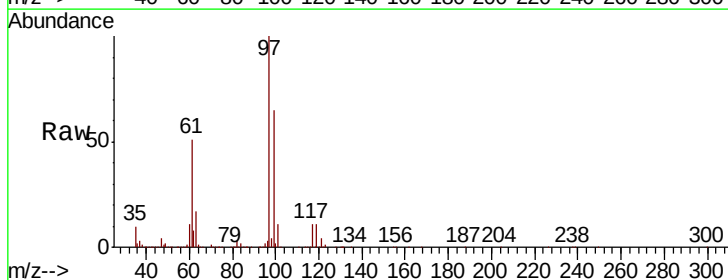
Tgt Ion: 97 Resp: 2193242

Ion Ratio Lower Upper

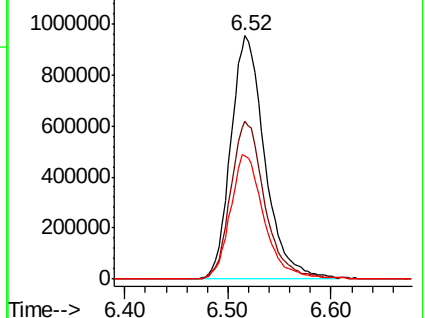
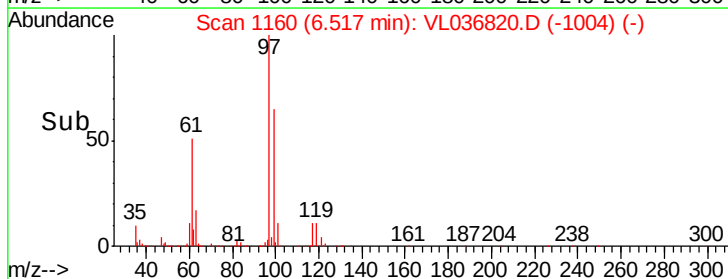
97 100

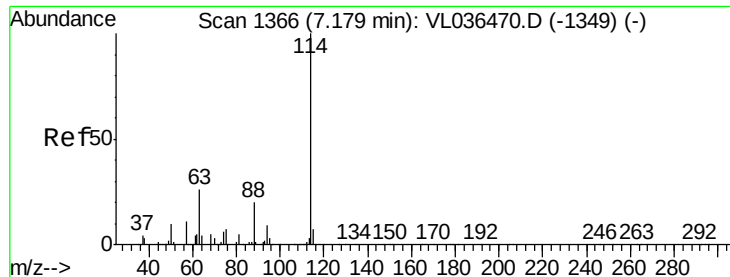
99 65.1 51.4 77.0

61 51.1 40.6 60.8



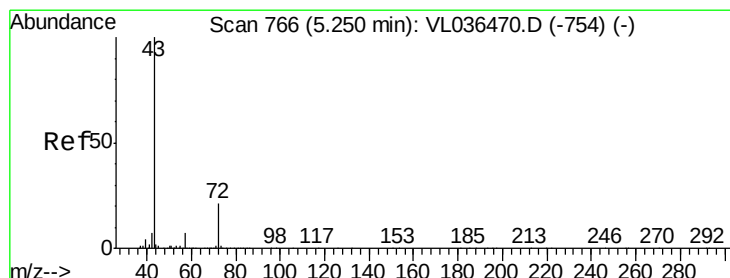
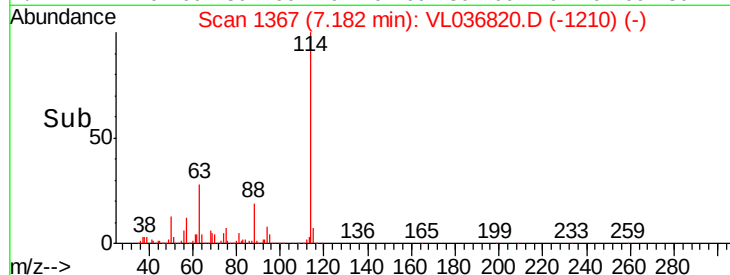
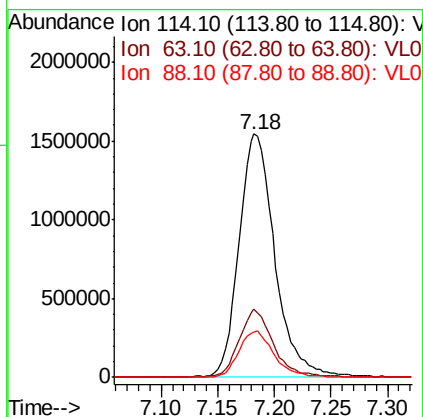
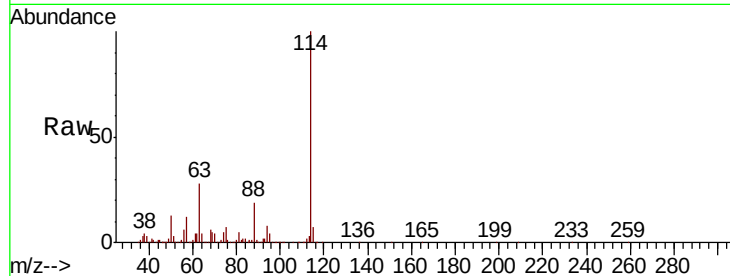
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





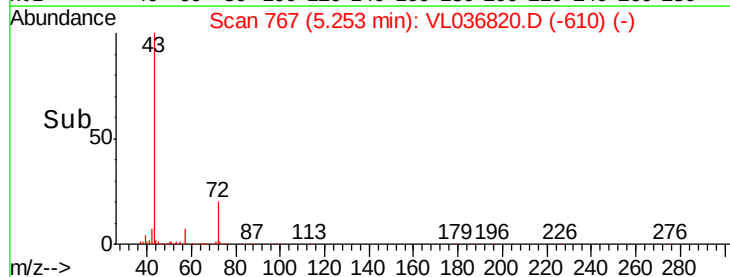
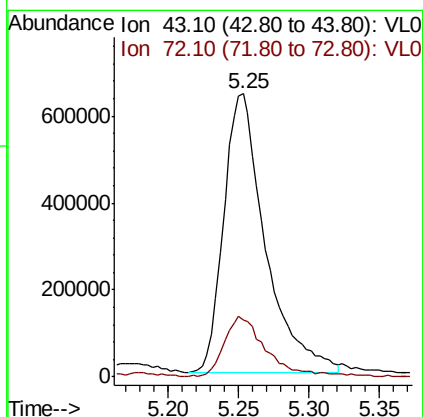
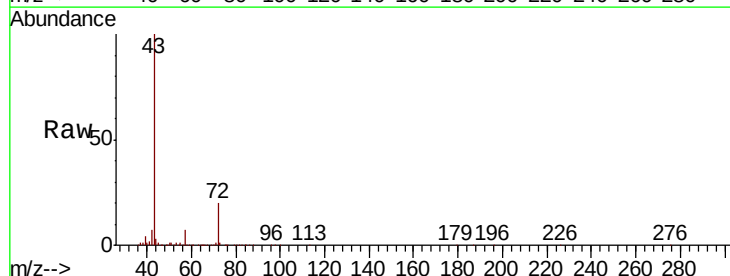
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:50

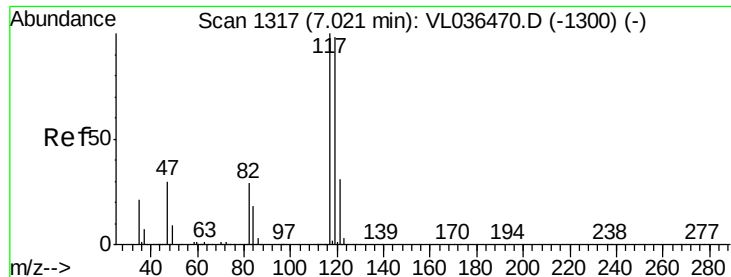
Tot Ion: 114 Resp: 3396756
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.4 33.6
 88 19.0 15.4 23.0



#34
 2-Butanone
 Concen: 8.010 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T.: 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

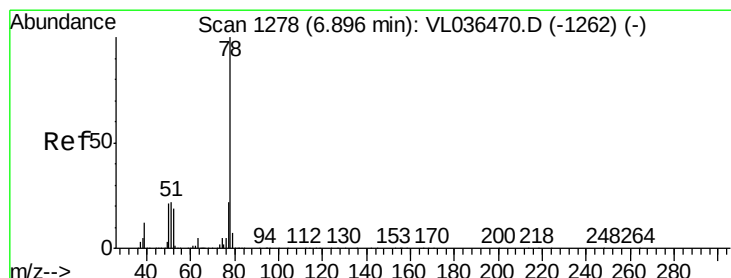
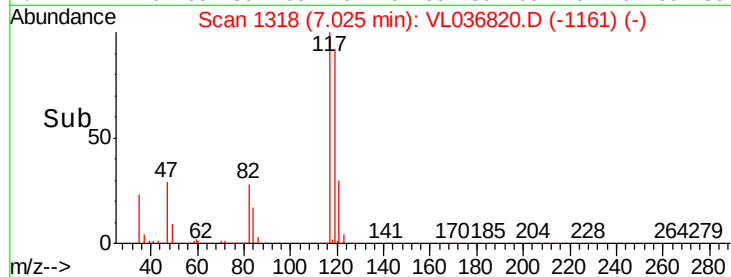
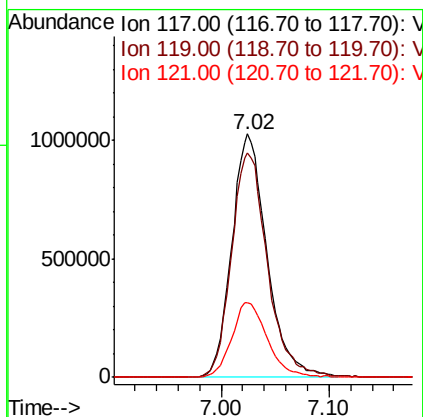
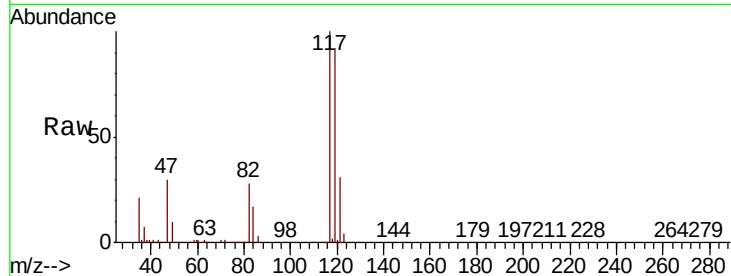
Tgt Ion: 43 Resp: 1328179
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.0 25.6





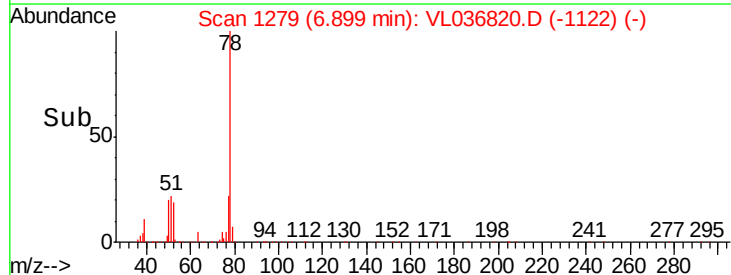
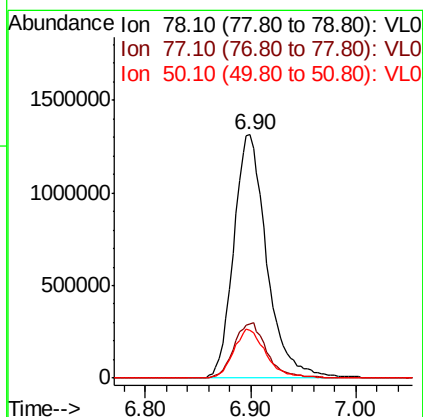
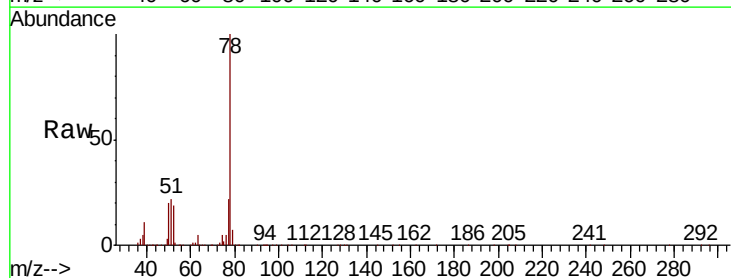
#35
 Carbon Tetrachloride
 Concen: 8.928 ppbv
 RT: 7.02 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Apr 2021 12:50

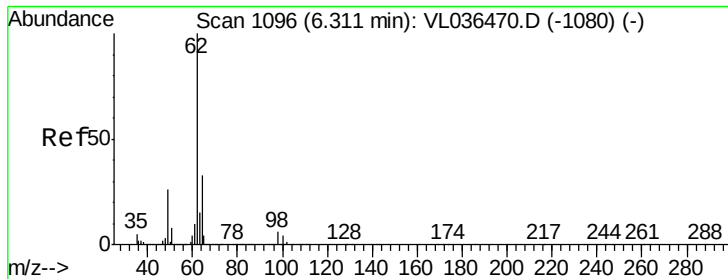
Tot Ion: 117 Resp: 2329360
 Ion Ratio Lower Upper
 117 100
 119 92.2 78.2 117.2
 121 30.6 24.5 36.7



#36
 Benzene
 Concen: 9.097 ppbv
 RT: 6.90 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

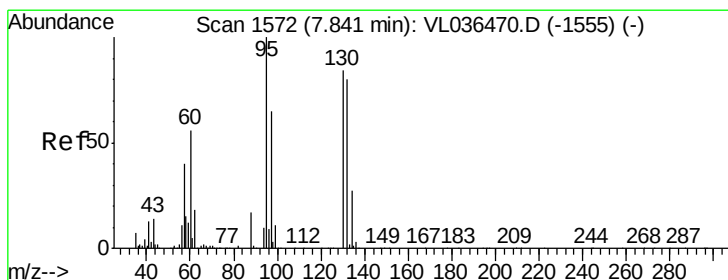
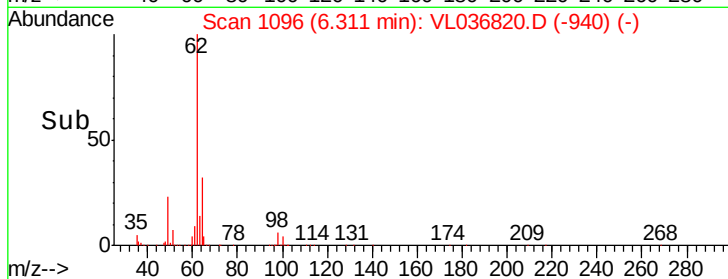
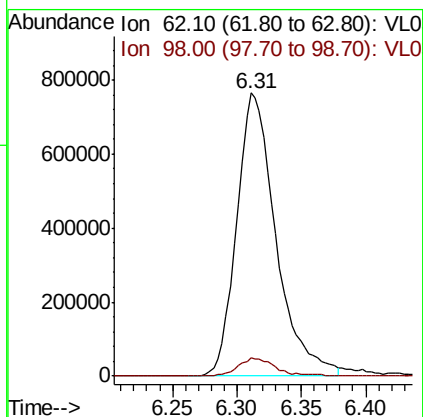
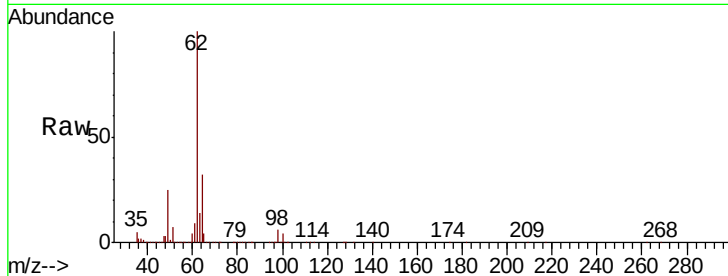
Tgt Ion: 78 Resp: 2849771
 Ion Ratio Lower Upper
 78 100
 77 22.3 18.0 27.0
 50 19.5 16.5 24.7





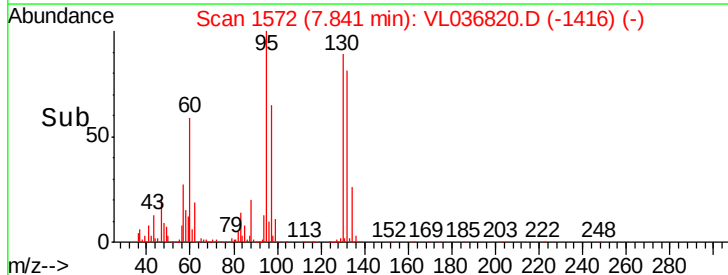
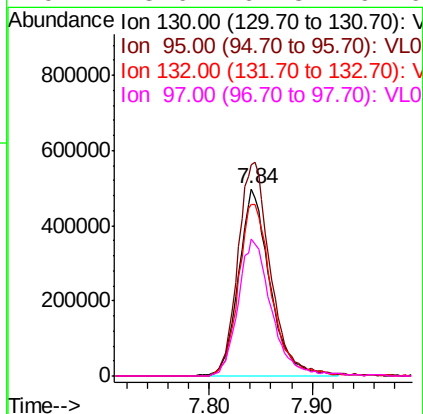
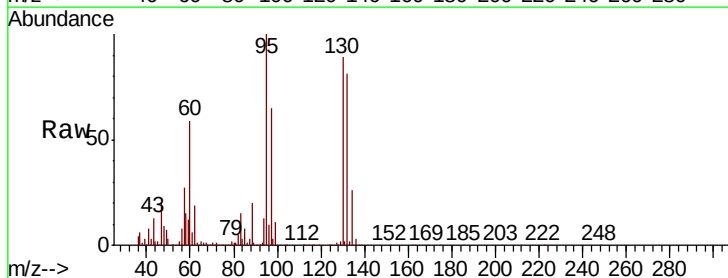
#37
 1,2-Dichloroethane
 Concen: 8.796 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Apr 2021 12:50

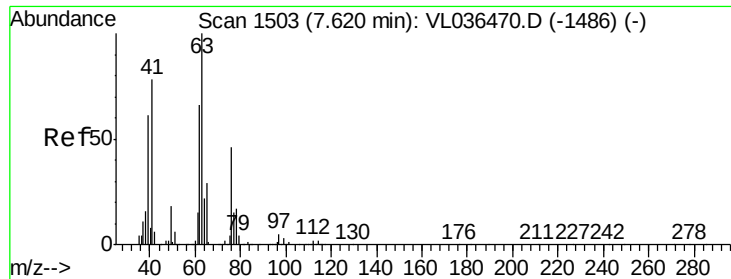
Tot Ion: 62 Resp: 1621880
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.9 7.3



#38
 Trichloroethene
 Concen: 8.524 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

Tgt Ion: 130 Resp: 1039214
 Ion Ratio Lower Upper
 130 100
 95 113.1 95.7 143.5
 132 91.6 76.2 114.4
 97 73.6 61.8 92.6





#39

1,2-Dichloropropane

Concen: 8.821 ppbv

RT: 7.62 Instrument:

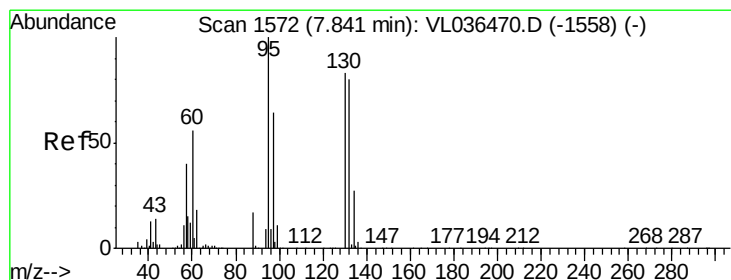
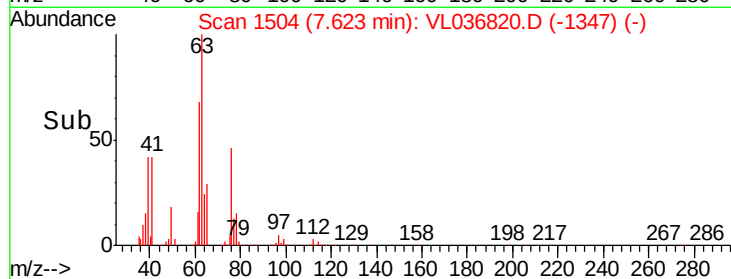
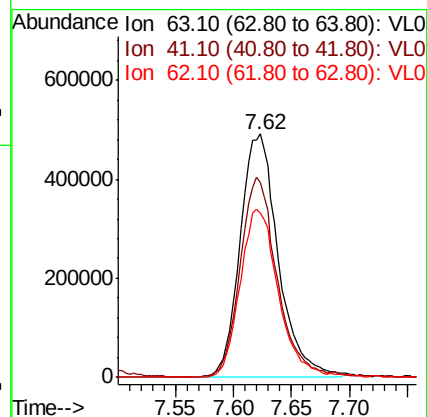
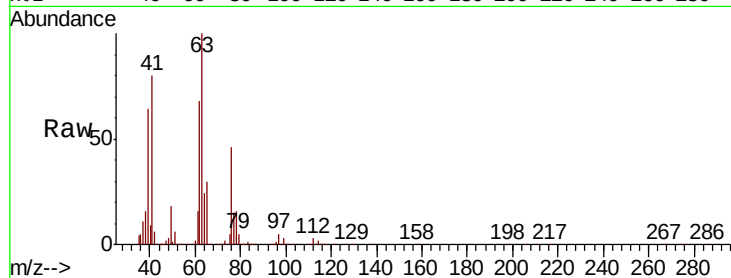
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Apr 2021 12:50

Tot Ion: 63 Resp: 1120987

Ion	Ratio	Lower	Upper
63	100		
41	79.5	62.4	93.6
62	67.5	52.8	79.2



#40

1,4-Dioxane

Concen: 5.475 ppbv

RT: 7.84 min Scan# 1573

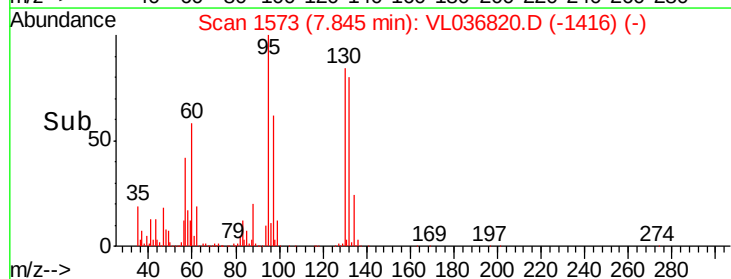
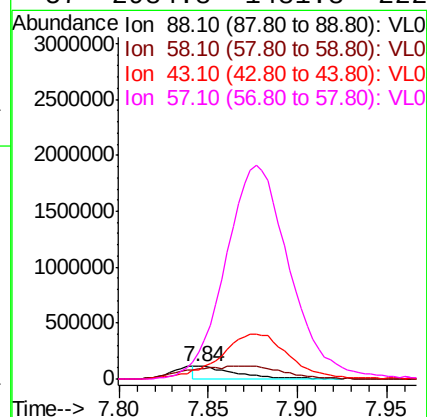
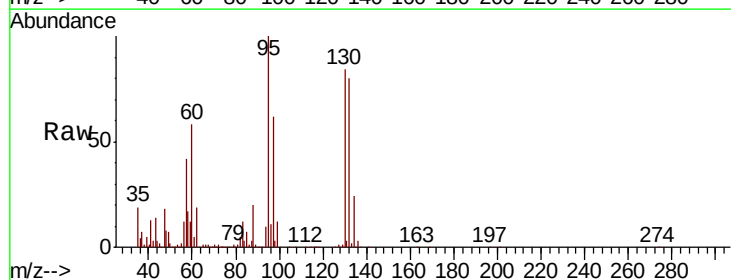
Delta R.T. 0.00 min

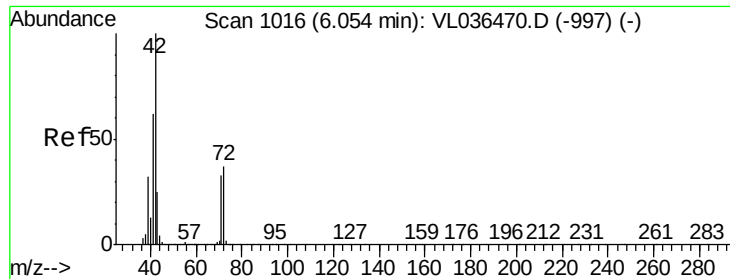
Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

Tgt Ion: 88 Resp: 161932

Ion	Ratio	Lower	Upper
88	100		
58	274.6	134.1	201.1#
43	672.5	346.6	520.0#
57	2984.8	1481.8	2222.8#





#41

Tetrahydrofuran

Concen: 8.004 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Apr 2021 12:50

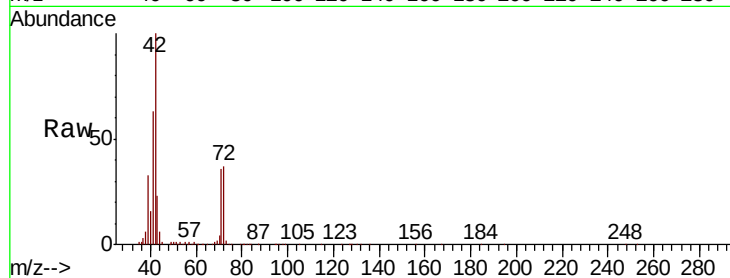
Tot Ion: 42 Resp: 611931

Ion Ratio Lower Upper

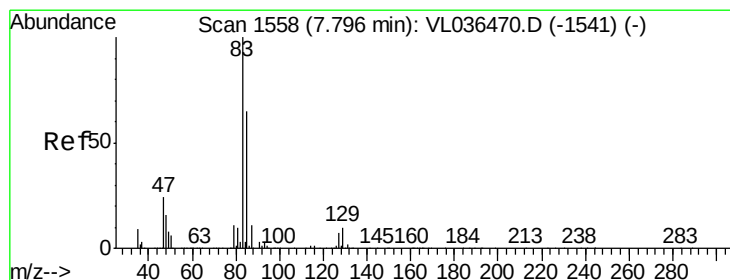
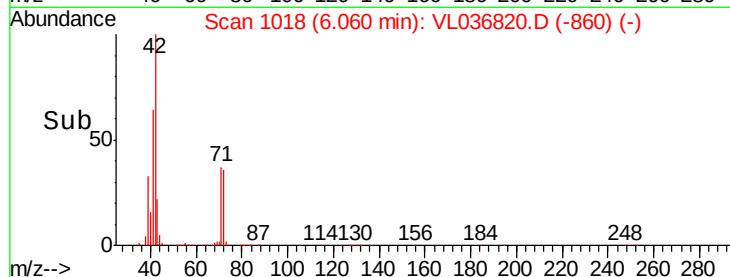
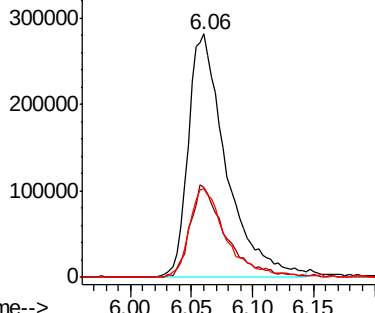
42 100

72 36.5 27.6 41.4

71 36.0 27.0 40.4



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: 9.463 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

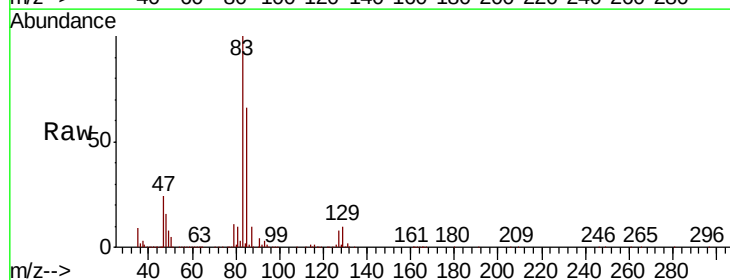
Tgt Ion: 83 Resp: 2373266

Ion Ratio Lower Upper

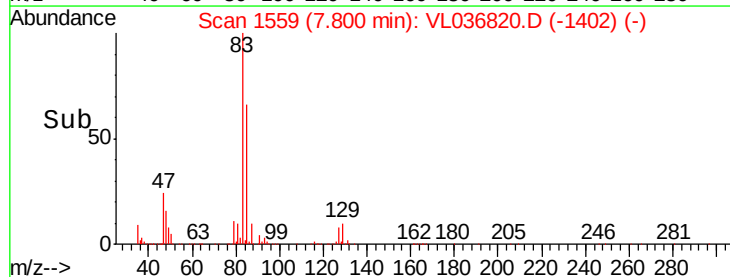
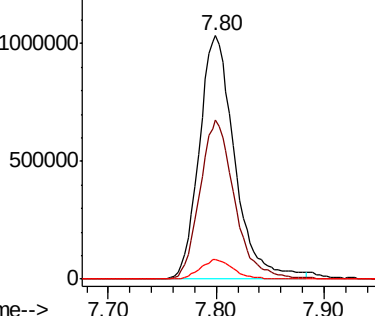
83 100

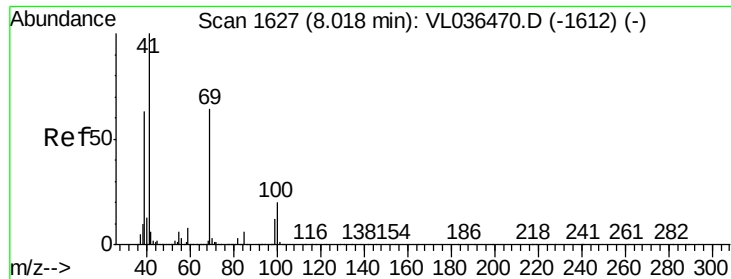
85 65.6 51.8 77.6

127 8.2 5.8 8.8



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): V





#43

Methyl Methacrylate

Concen: 10.052 ppbv

RT: 8.02

Instrument: MSVOA_1

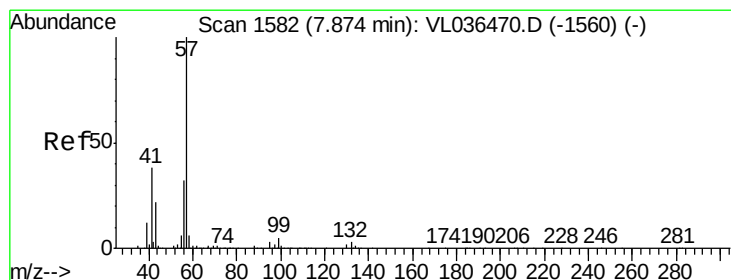
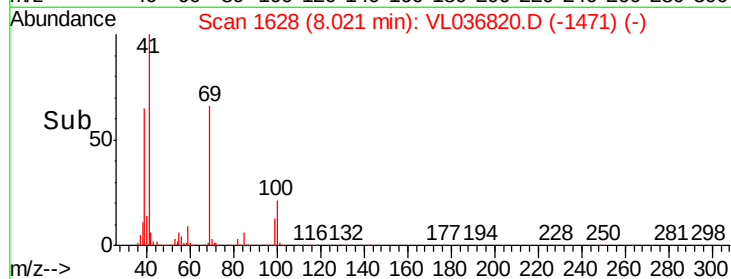
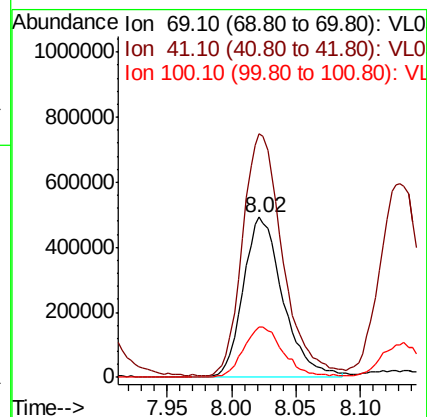
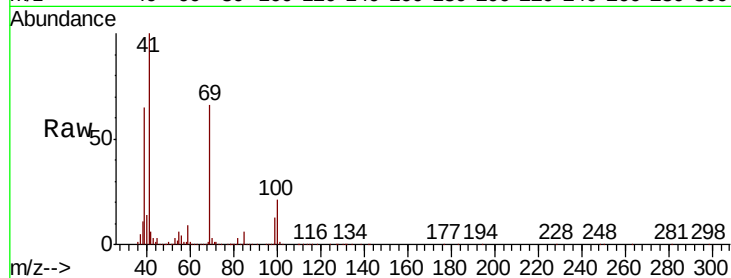
Delta R.T.:

Lab File: ClientSampleId:

Acq: 20 Apr 2021 12:50

Tot Ion: 69 Resp: 1057375

Ion	Ratio	Lower	Upper
69	100		
41	153.5	126.8	190.2
100	32.0	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 8.738 ppbv

RT: 7.88 min Scan# 1583

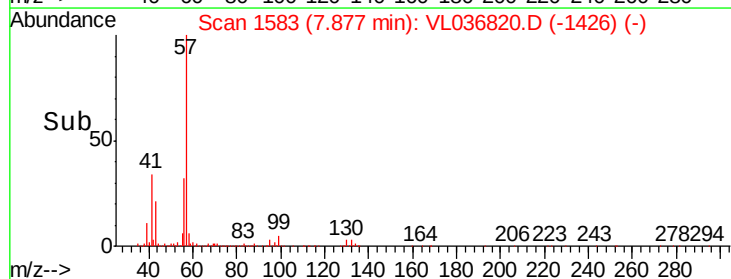
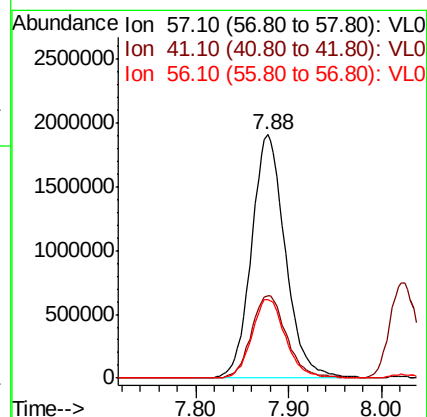
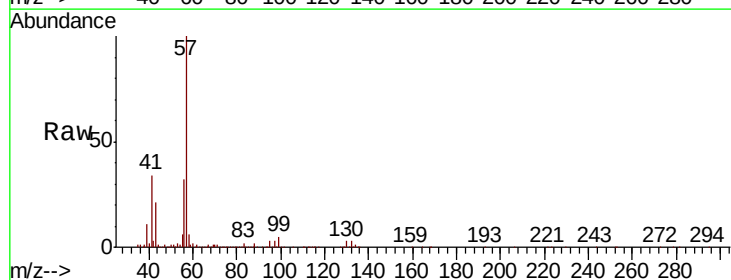
Delta R.T. 0.00 min

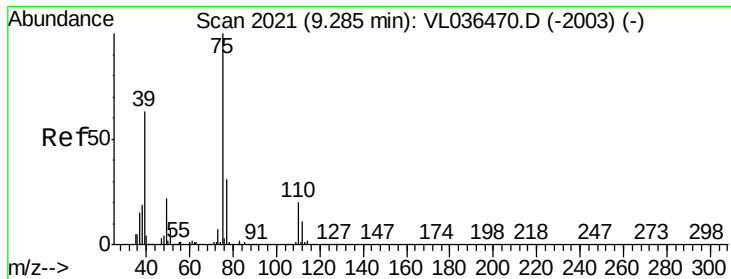
Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

Tgt Ion: 57 Resp: 4817526

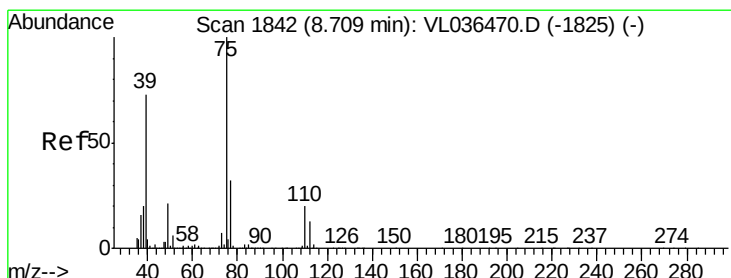
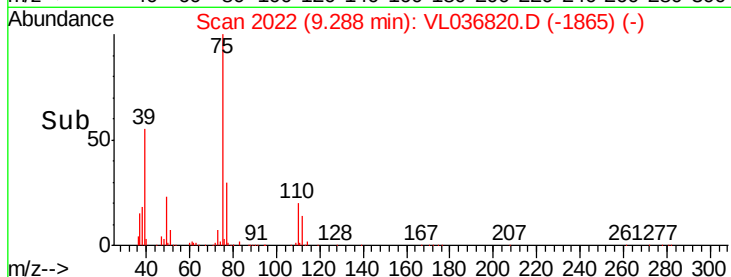
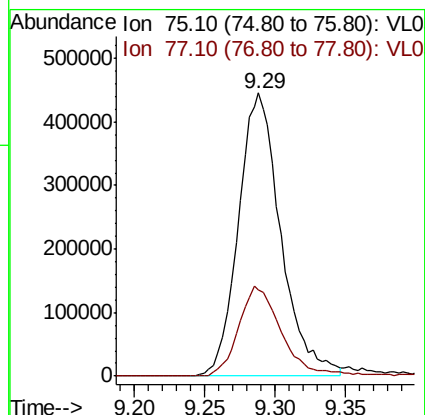
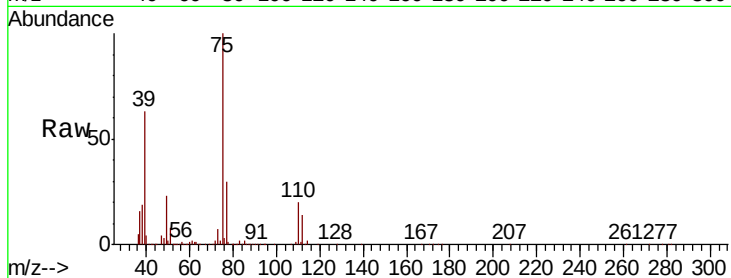
Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.8	43.2
56	32.3	26.1	39.1





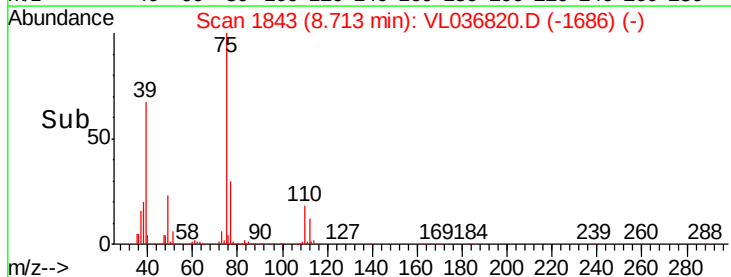
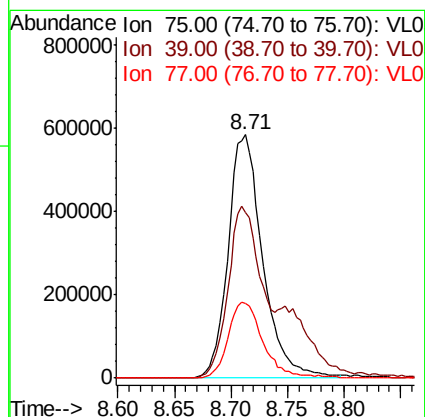
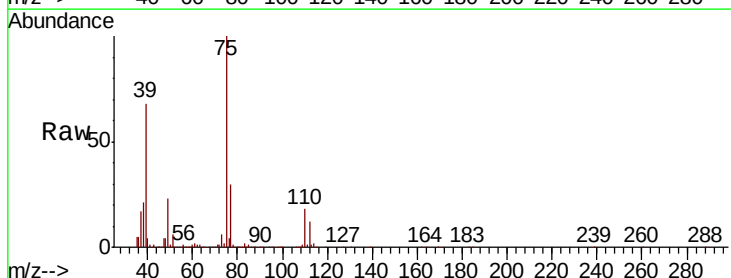
#45
t-1,3-Dichloropropene
Concen: 7.733 ppbv
RT: 9.29
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 20 Apr 2021 12:50

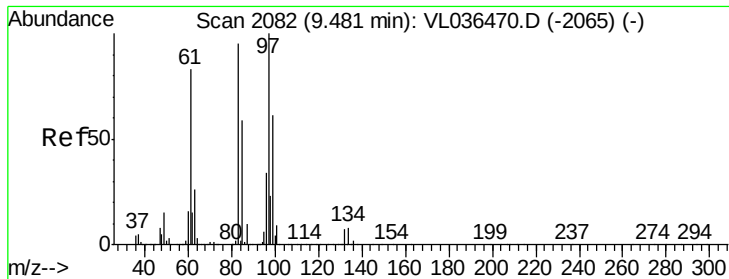
Tot Ion: 75 Resp: 928837
Ion Ratio Lower Upper
75 100
77 30.5 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 8.094 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL036820.D
Acq: 20 Apr 2021 12:50

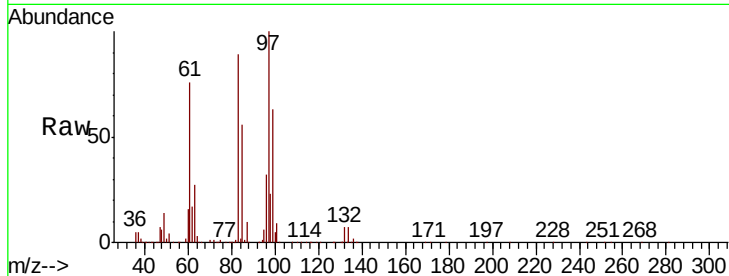
Tgt Ion: 75 Resp: 1242840
Ion Ratio Lower Upper
75 100
39 67.4 58.2 87.2
77 30.4 25.2 37.8





#47
 1,1,2-Trichloroethane
 Concen: 9.084 ppbv
 RT: 9.48 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:50

Tot Ion:	97	Resp:	1169198
Ion	Ratio	Lower	Upper
97	100		
83	88.4	75.8	113.8
85	56.4	47.1	70.7
99	63.1	49.2	73.8



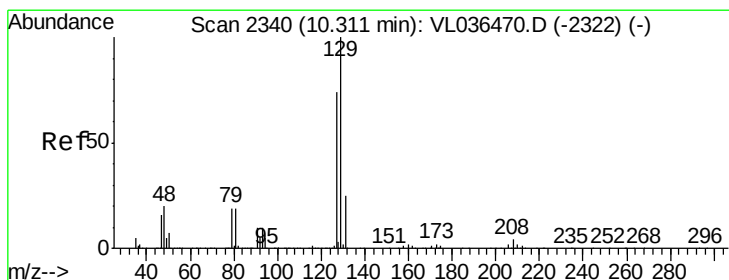
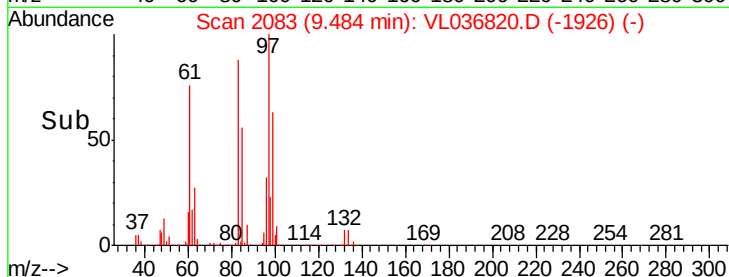
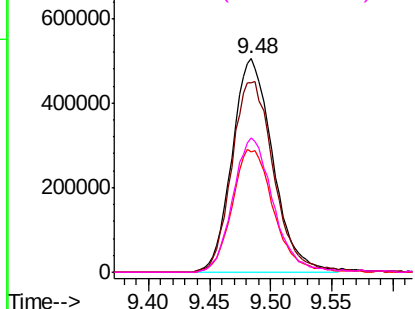
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

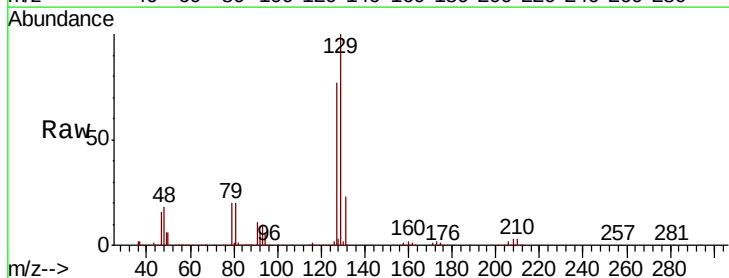
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.733 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T.: -0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

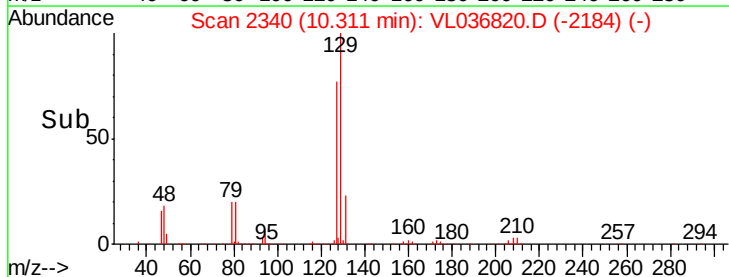
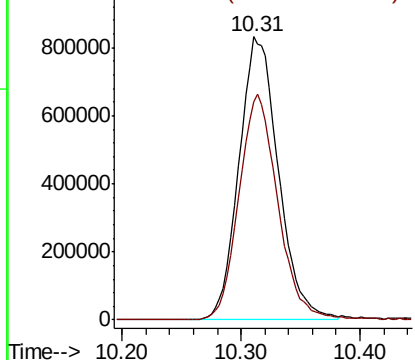
Tgt Ion:	129	Resp:	1909846
Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.6	118.8

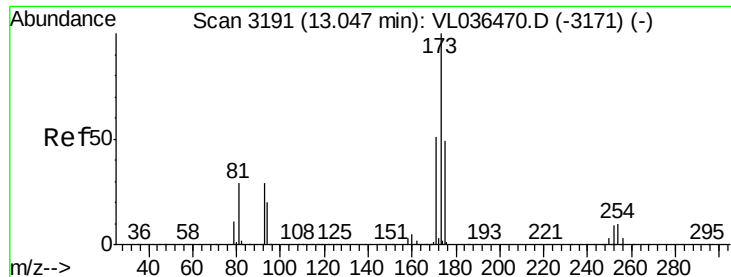


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.158 ppbv

RT: 13.05

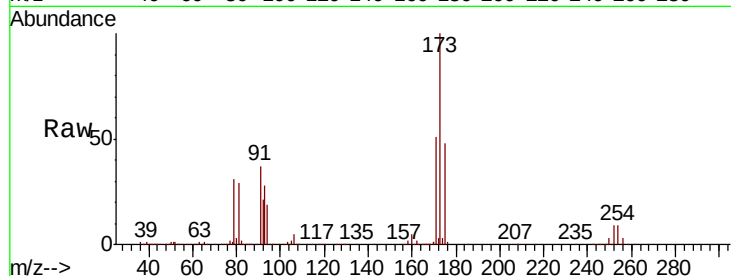
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Apr 2021 12:50

Tot Ion:173 Resp: 1606001

Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.6	59.4
171	52.4	41.4	62.0

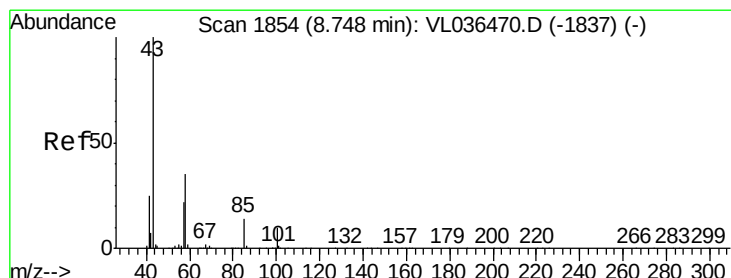
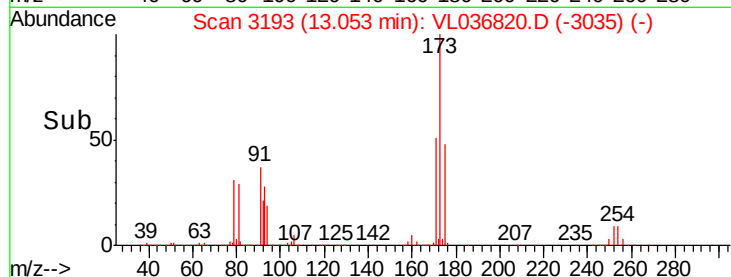
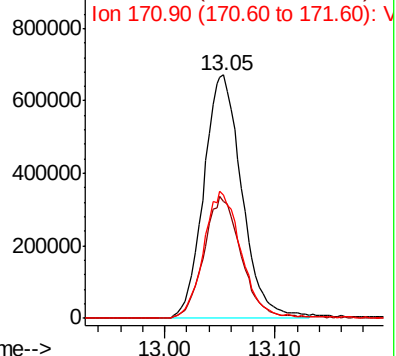


Abundance

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: 8.410 ppbv

RT: 8.75 min Scan# 1856

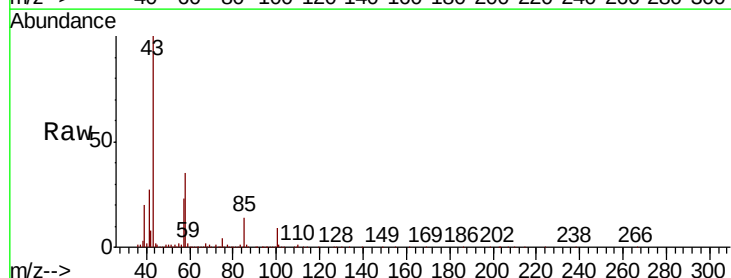
Delta R.T. 0.01 min

Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

Tgt Ion: 43 Resp: 2017680

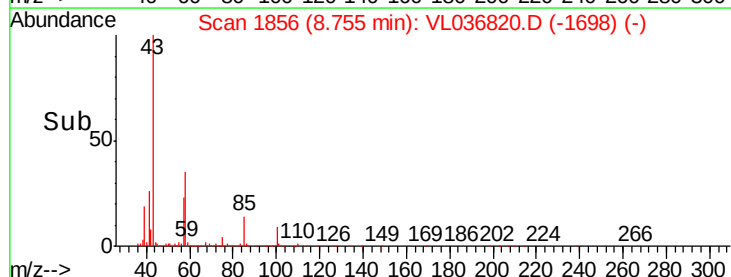
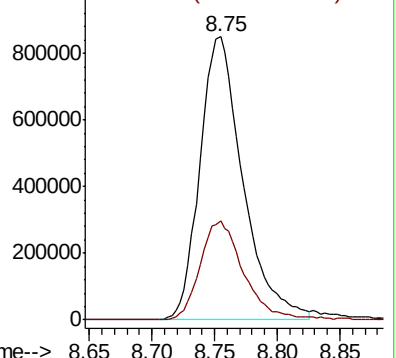
Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.2	42.2

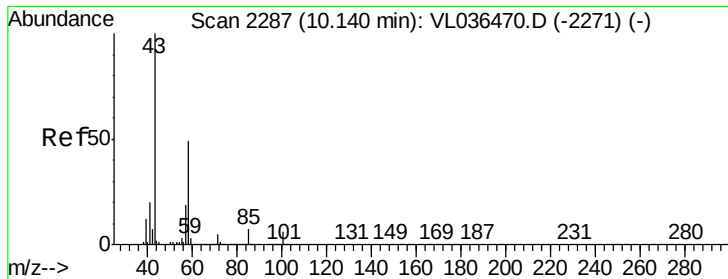


Abundance

Ion 43.10 (42.80 to 43.80): VL0

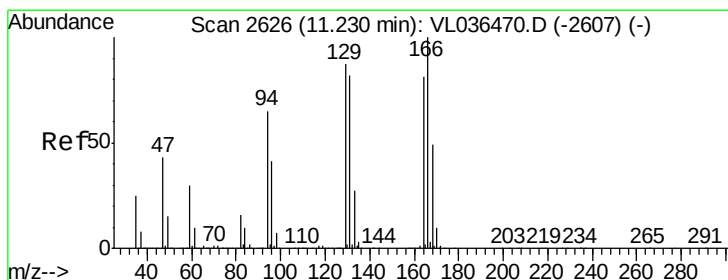
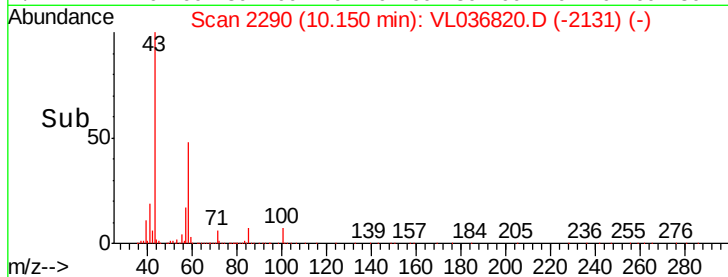
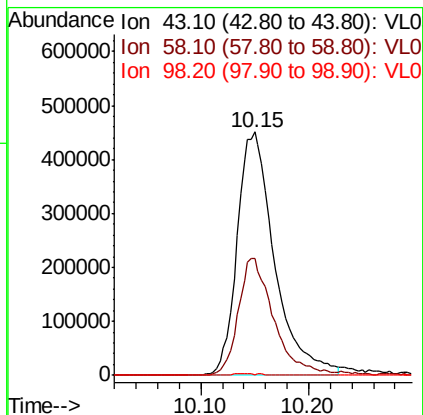
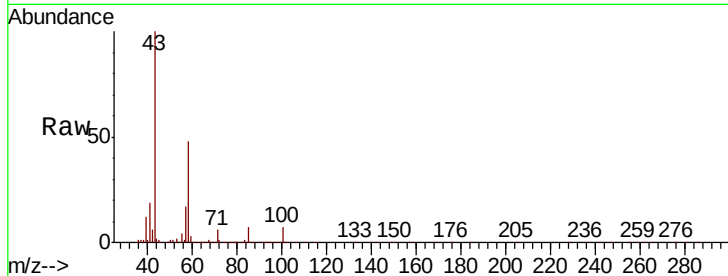
Ion 58.10 (57.80 to 58.80): VL0





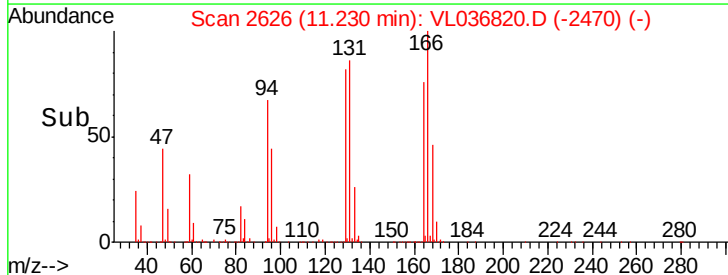
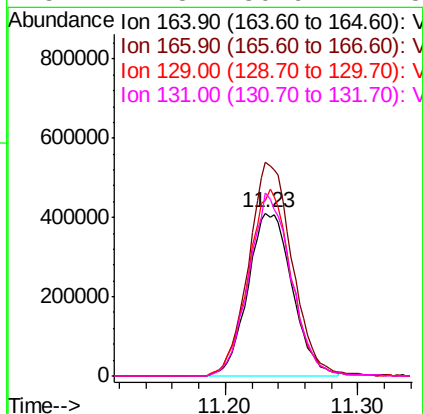
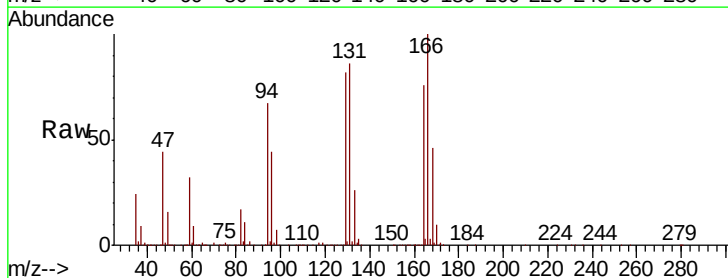
#51
 2-Hexanone
 Concen: 9.002 ppbv
 RT: 10.15 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Apr 2021 12:50

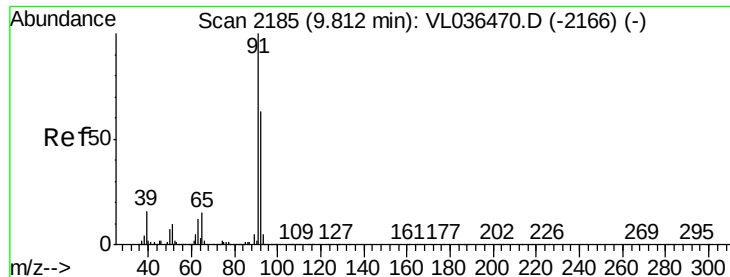
Tot Ion: 43 Resp: 1089822
 Ion Ratio Lower Upper
 43 100
 58 46.6 37.7 56.5
 98 1.0 0.2 0.2#



#52
 Tetrachloroethene
 Concen: 8.278 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T. 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

Tgt Ion: 164 Resp: 954920
 Ion Ratio Lower Upper
 164 100
 166 131.2 98.3 147.5
 129 107.3 85.8 128.8
 131 112.8 80.9 121.3





#53

Toluene

Concen: 9.520 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

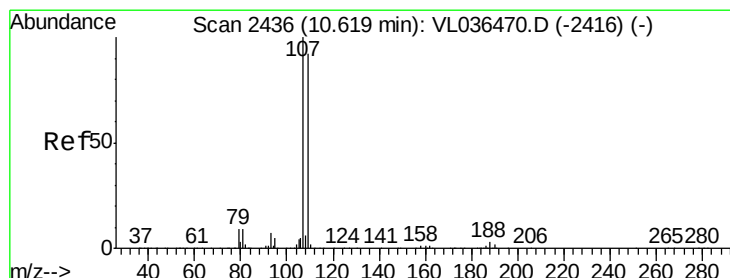
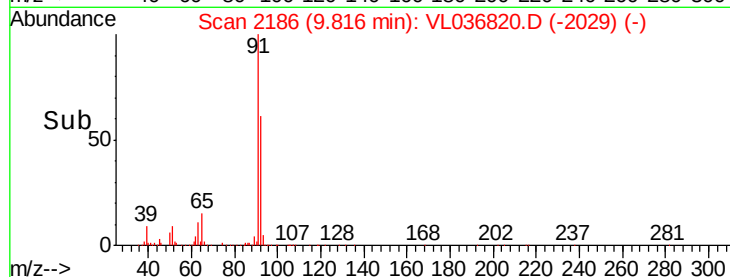
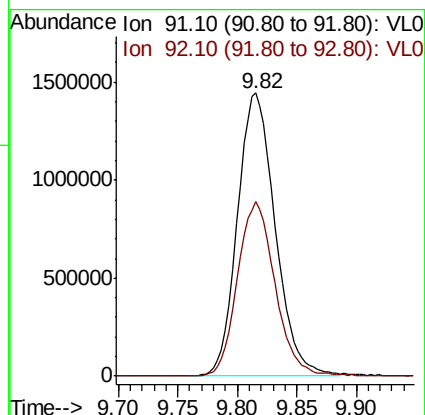
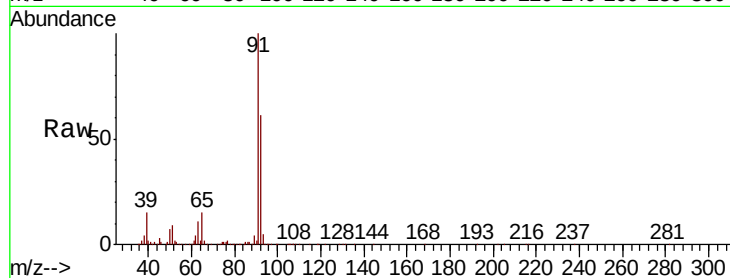
Acq: 20 Apr 2021 12:50

Tot Ion: 91 Resp: 3175937

Ion Ratio Lower Upper

91 100

92 61.6 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.102 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL036820.D

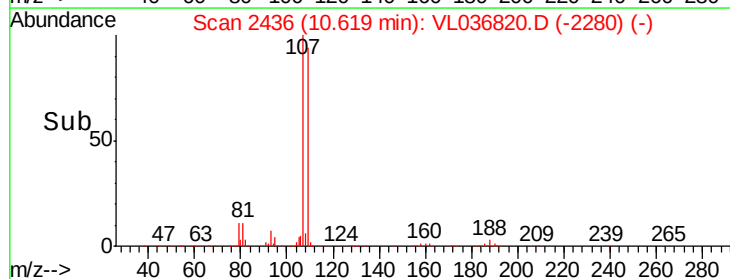
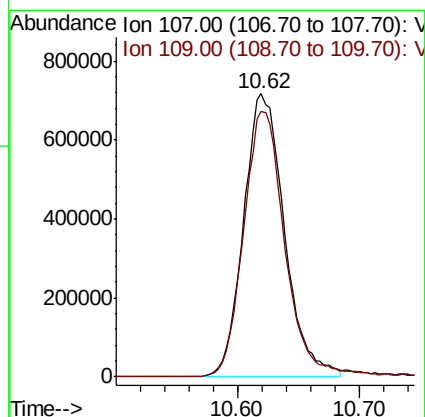
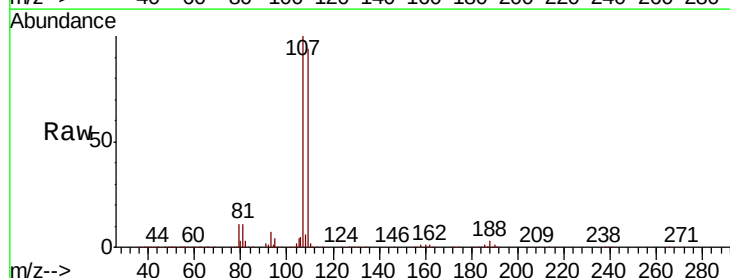
Acq: 20 Apr 2021 12:50

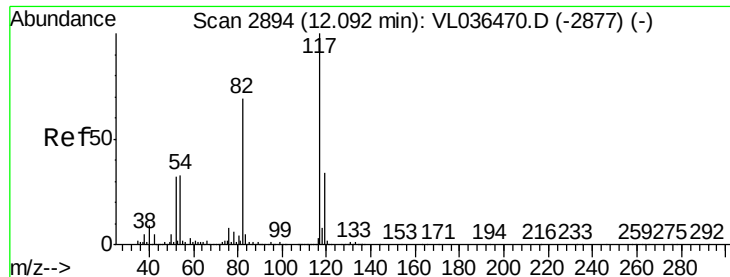
Tgt Ion: 107 Resp: 1654481

Ion Ratio Lower Upper

107 100

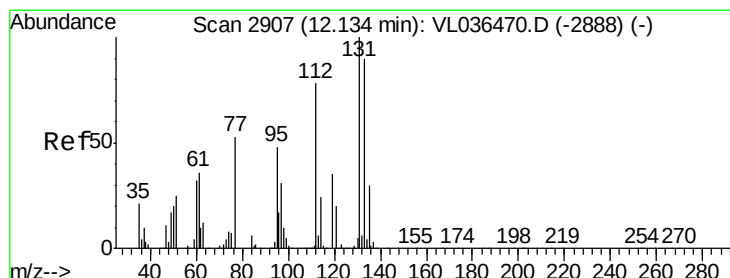
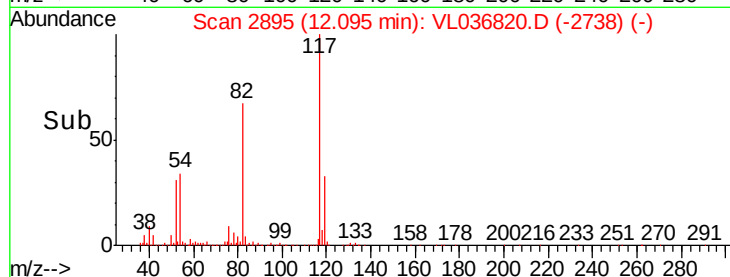
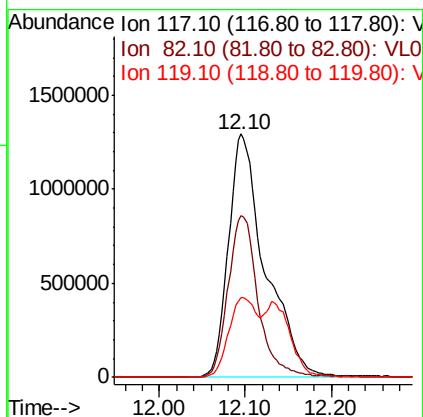
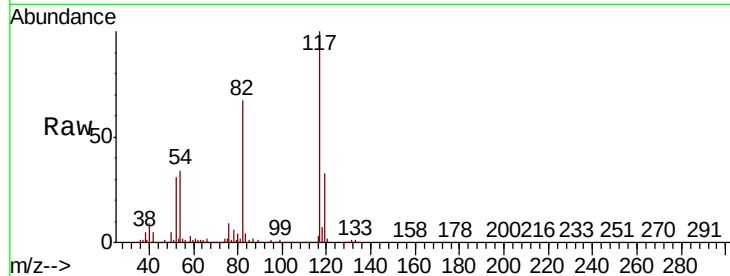
109 93.9 73.9 110.9





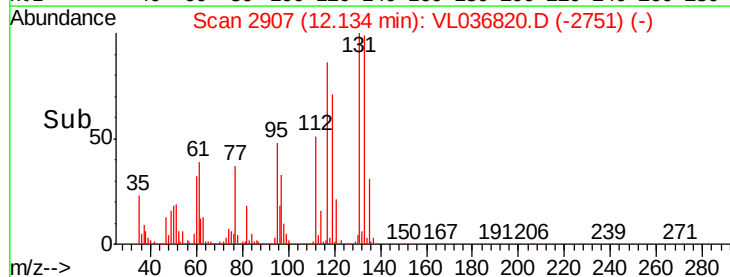
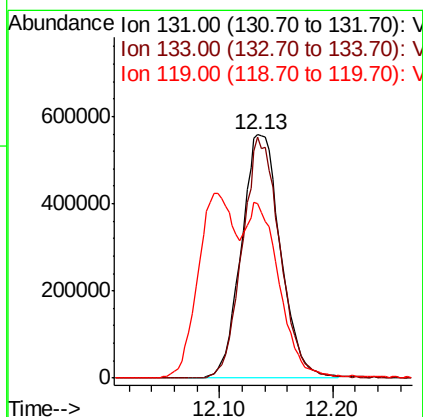
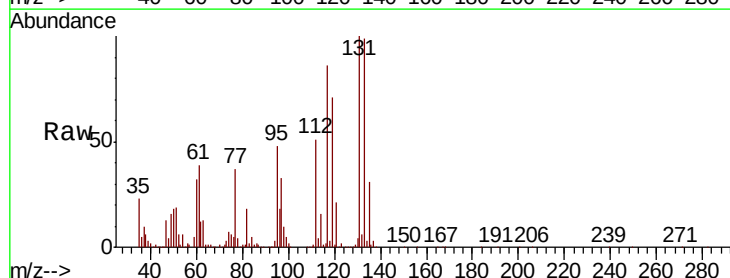
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:50

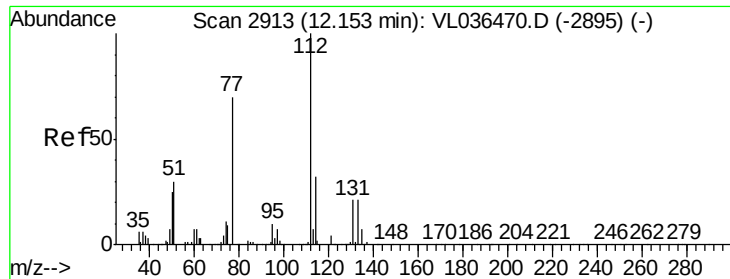
Tot Ion:117 Resp: 3849445
 Ion Ratio Lower Upper
 117 100
 82 54.4 57.4 86.0#
 119 25.3 47.4 71.0#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.714 ppbv
 RT: 12.13 min Scan# 2907
 Delta R.T.: 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

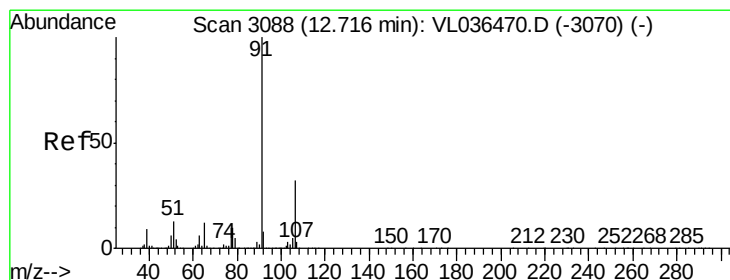
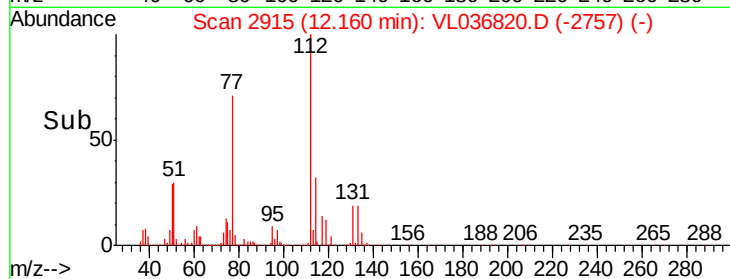
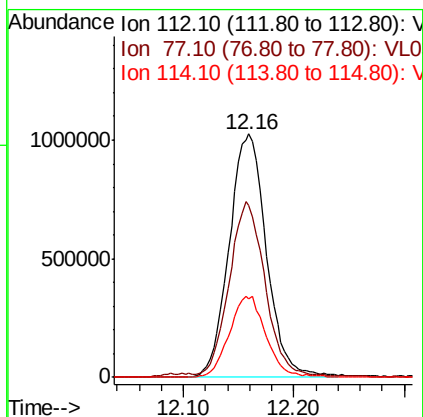
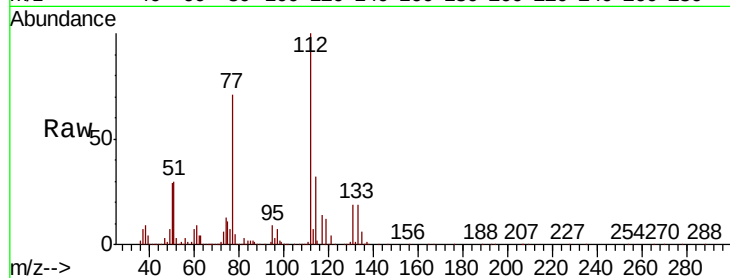
Tgt Ion:131 Resp: 1343031
 Ion Ratio Lower Upper
 131 100
 133 95.5 75.8 113.6
 119 63.5 48.7 73.1





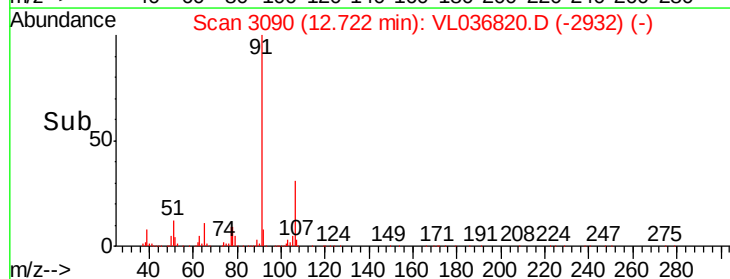
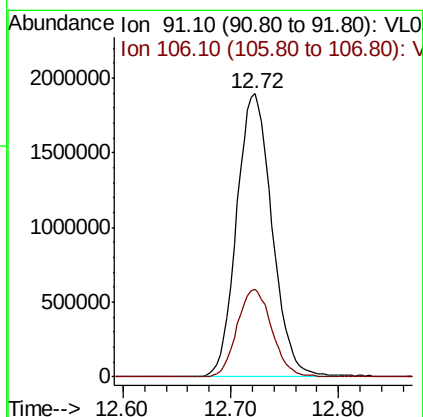
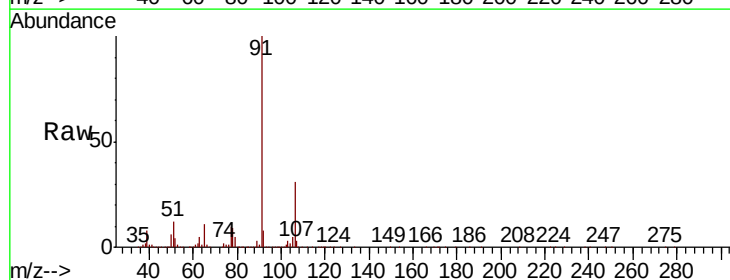
#57
Chlorobenzene
Concen: 7.308 ppbv
RT: 12.16 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 20 Apr 2021 12:50

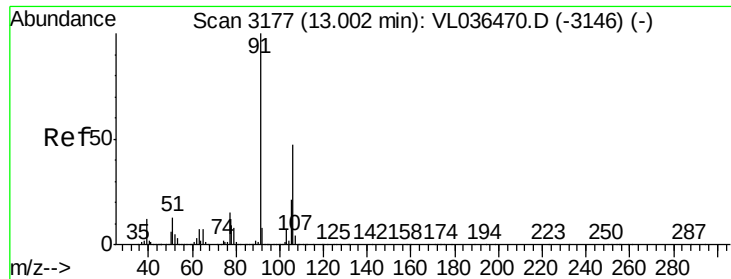
Tot Ion: 112 Resp: 2393543
Ion Ratio Lower Upper
112 100
77 70.2 56.0 84.0
114 32.2 29.0 35.4



#58
Ethyl Benzene
Concen: 7.749 ppbv
RT: 12.72 min Scan# 3090
Delta R.T.: 0.01 min
Lab File: VL036820.D
Acq: 20 Apr 2021 12:50

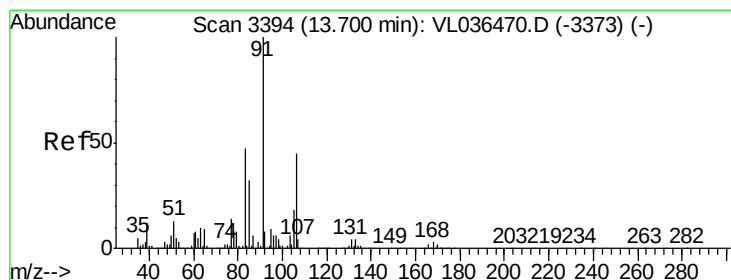
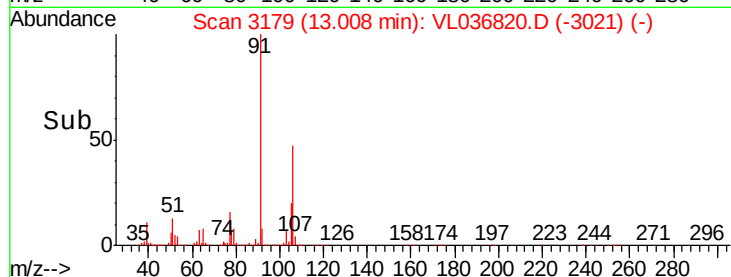
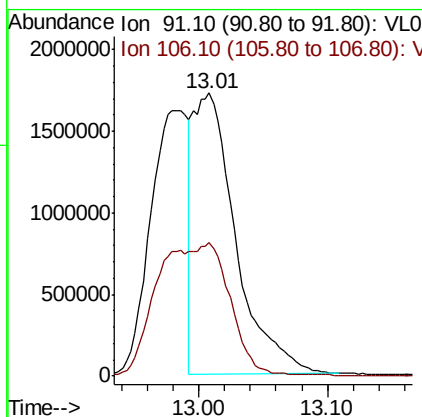
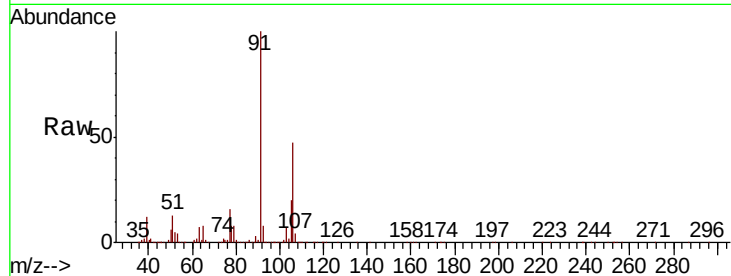
Tgt Ion: 91 Resp: 4339740
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9





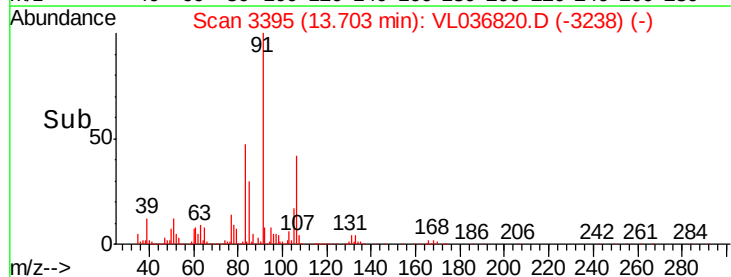
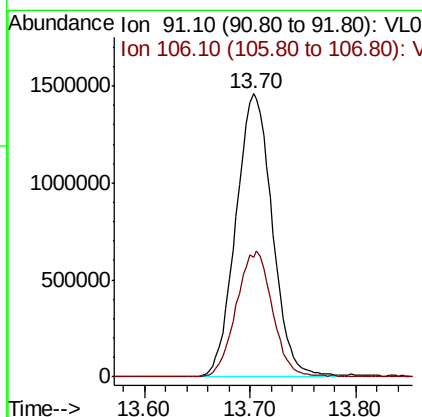
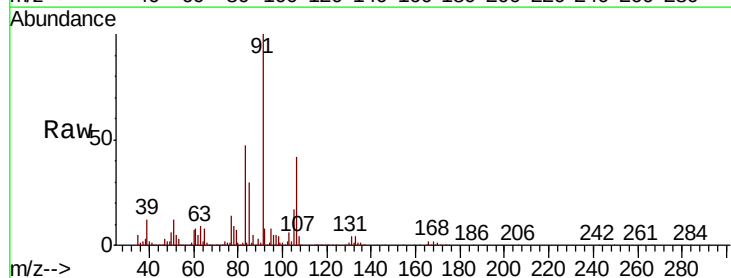
#59
m/p-Xylene
Concen: 8.064 ppbv
RT: 13.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 20 Apr 2021 12:50

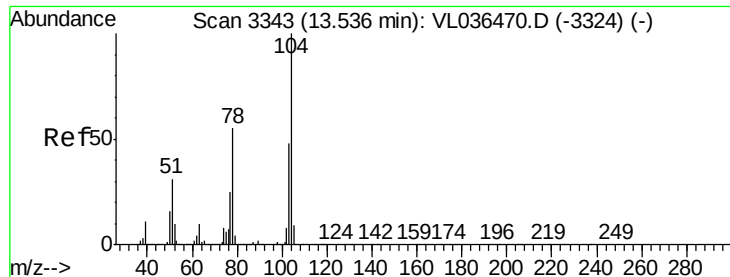
Tot Ion: 91 Resp: 3939179
Ion Ratio Lower Upper
91 100
106 81.4 35.3 52.9#



#60
o-Xylene
Concen: 7.379 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL036820.D
Acq: 20 Apr 2021 12:50

Tgt Ion: 91 Resp: 3485244
Ion Ratio Lower Upper
91 100
106 44.5 22.3 66.9





#61

Stvrene

Concen: 7.857 ppbv

RT: 13.54 min

Delta R.T. MSVOA_L

Lab File:

Acq: 20 Apr 2021 12:50

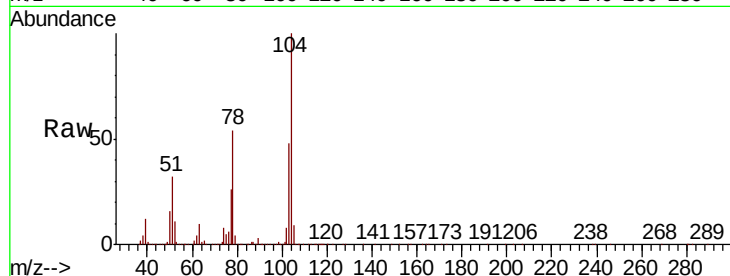
Tot Ion:104 Resp: 1867039

Ion Ratio Lower Upper

104 100

78 53.8 43.8 65.8

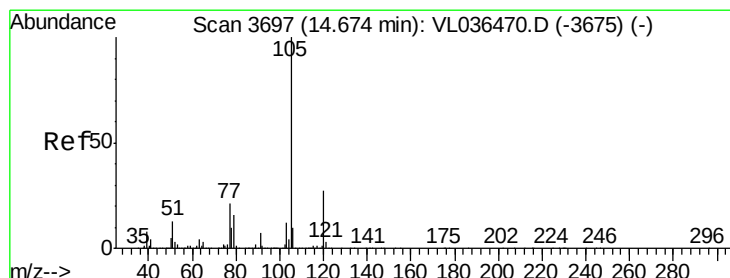
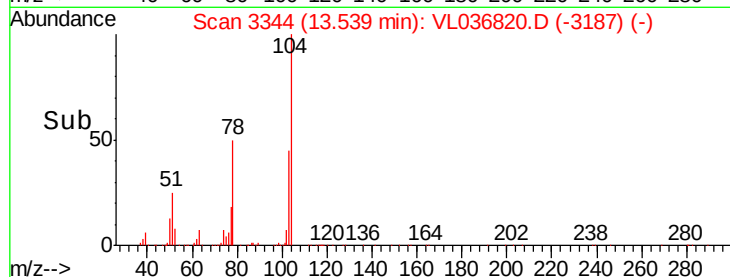
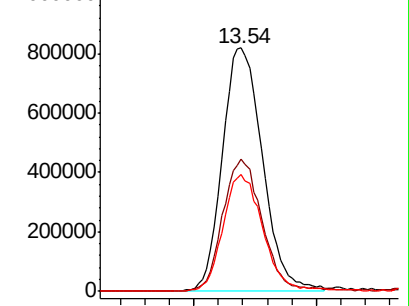
103 47.9 38.3 57.5



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: 7.557 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.01 min

Lab File: VL036820.D

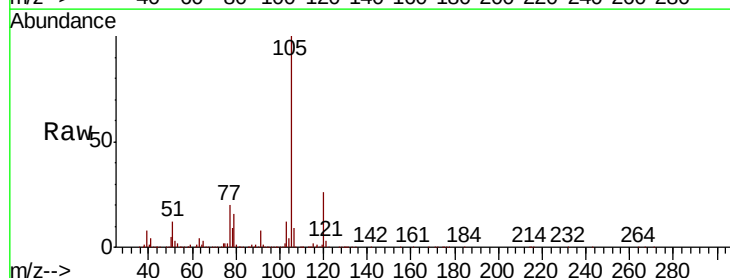
Acq: 20 Apr 2021 12:50

Tgt Ion:105 Resp: 4806910

Ion Ratio Lower Upper

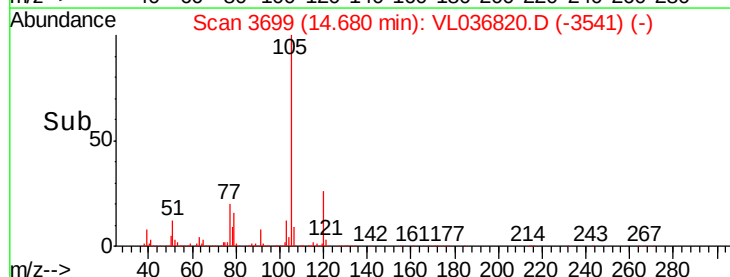
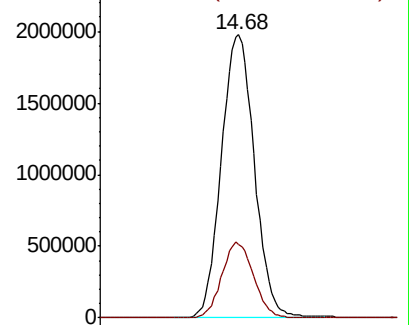
105 100

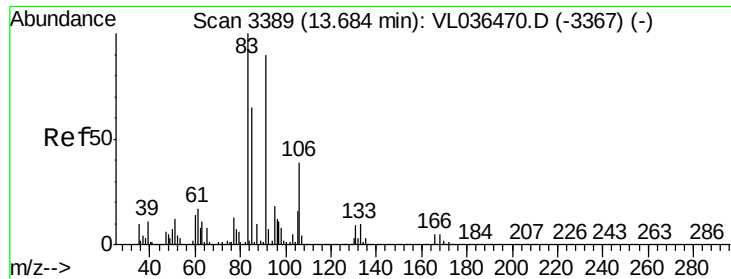
120 26.0 20.6 31.0



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: 7.207 ppbv

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Apr 2021 12:50

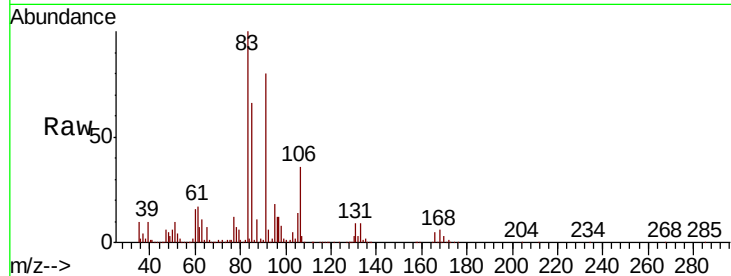
Tot Ion: 83 Resp: 2596616

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

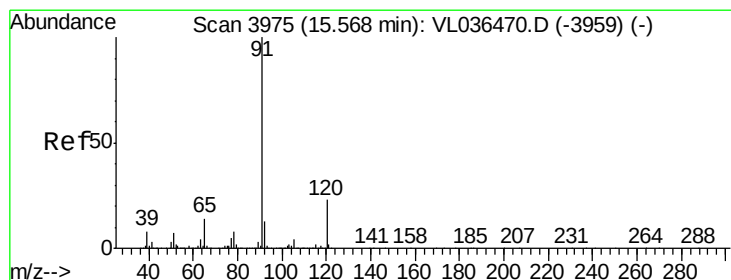
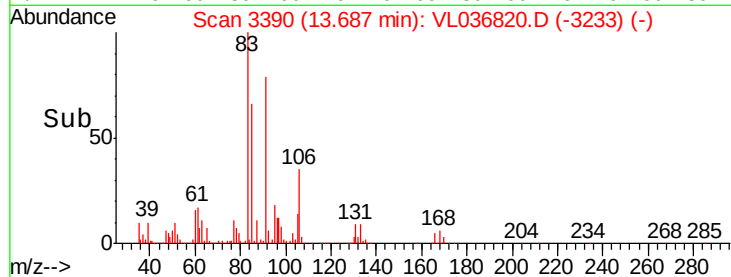
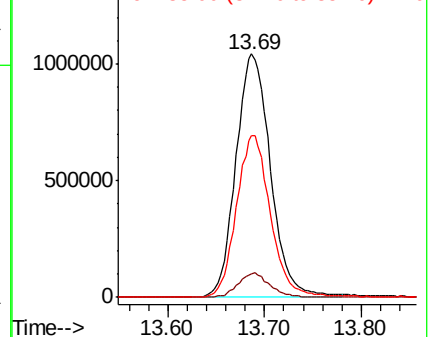
85 66.0 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.938 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VL036820.D

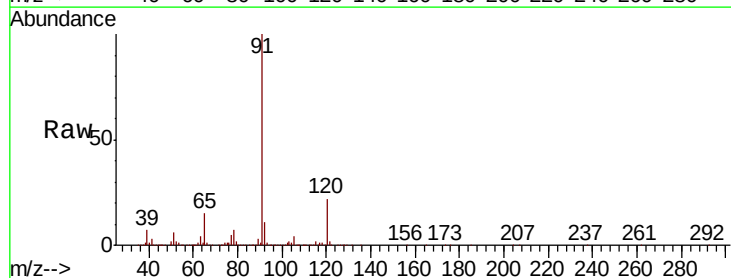
Acq: 20 Apr 2021 12:50

Tgt Ion: 120 Resp: 1234499

Ion Ratio Lower Upper

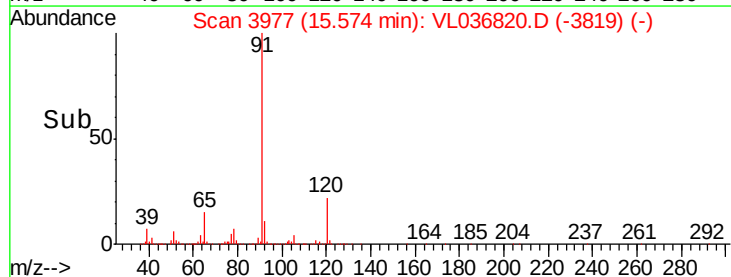
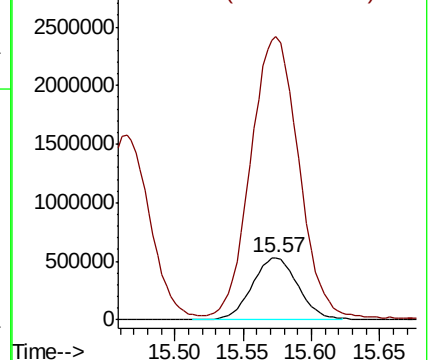
120 100

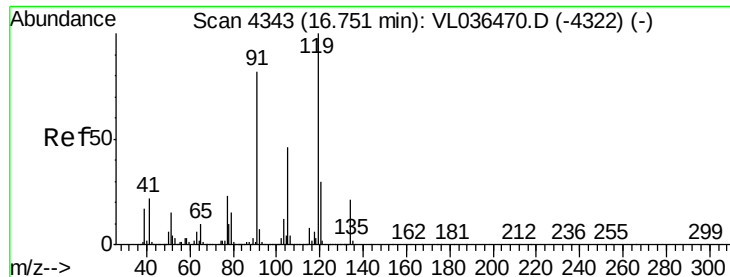
91 486.5 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

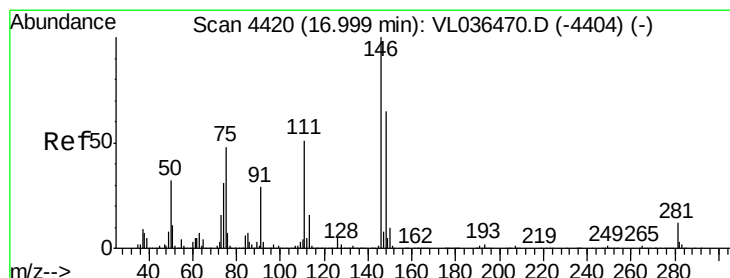
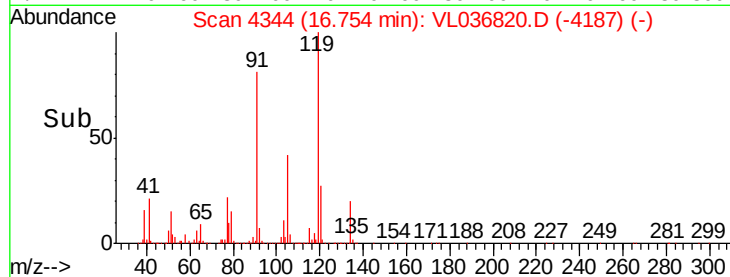
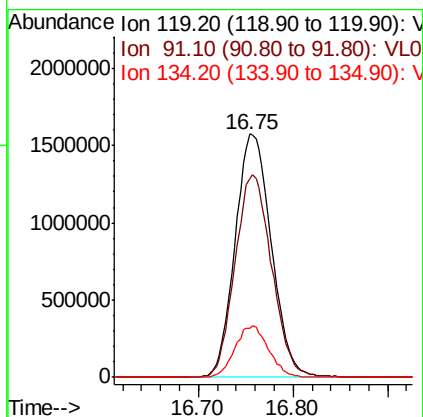
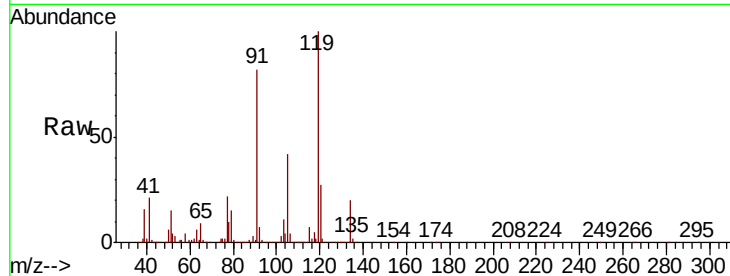
Ion 91.10 (90.80 to 91.80): VL0





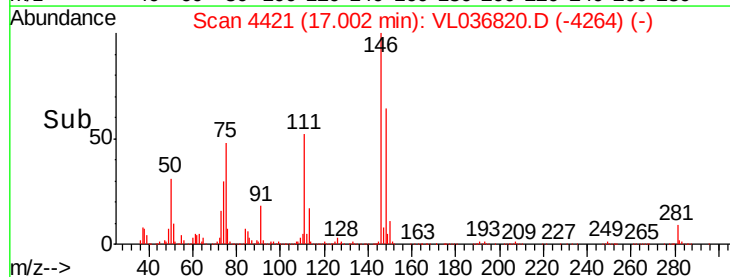
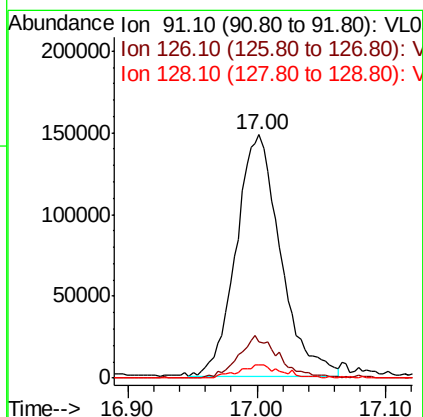
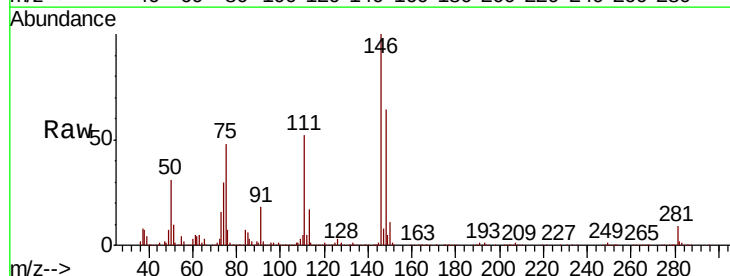
#65
 tert-Butylbenzene
 Concen: 7.599 ppbv
 RT: 16.75 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:50

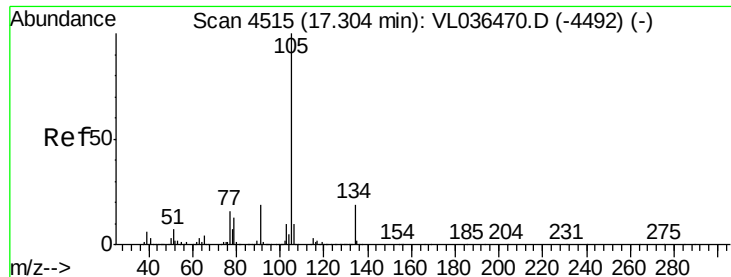
Tot Ion: 119 Resp: 4191143
 Ion Ratio Lower Upper
 119 100
 91 84.4 67.5 101.3
 134 19.8 15.8 23.8



#66
 Benzyl Chloride
 Concen: 5.777 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T.: 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

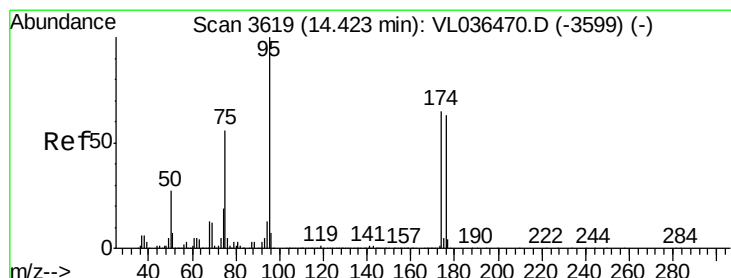
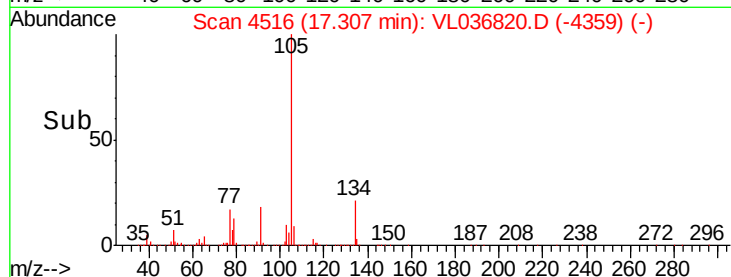
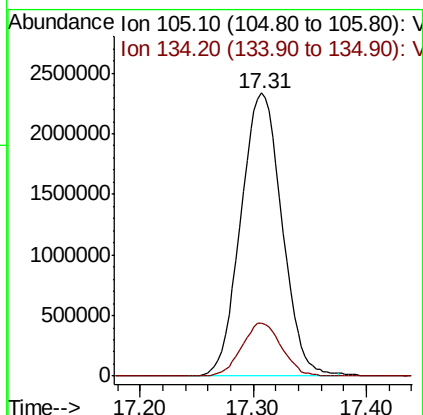
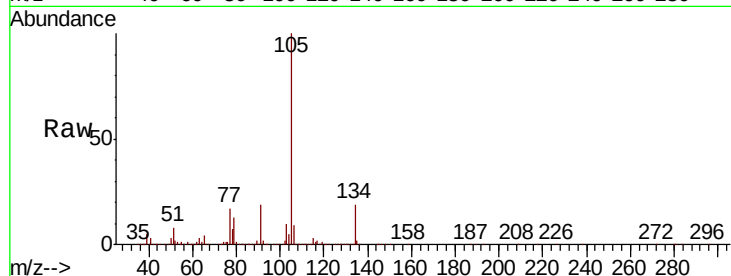
Tgt Ion: 91 Resp: 352195
 Ion Ratio Lower Upper
 91 100
 126 16.6 13.5 20.3
 128 5.5 4.2 6.4





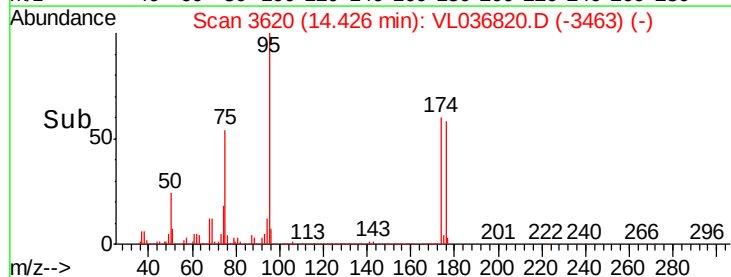
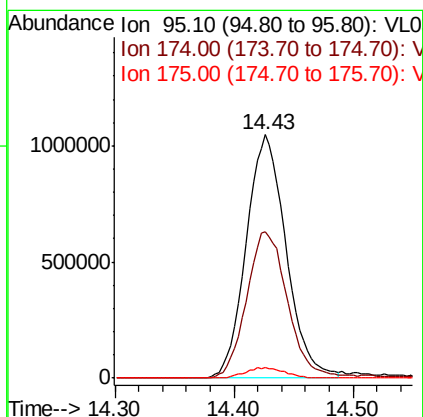
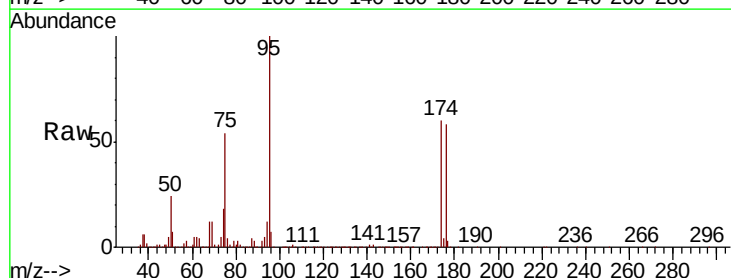
#67
 sec-Butylbenzene
 Concen: 7.595 ppbv
 RT: 17.31 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:50

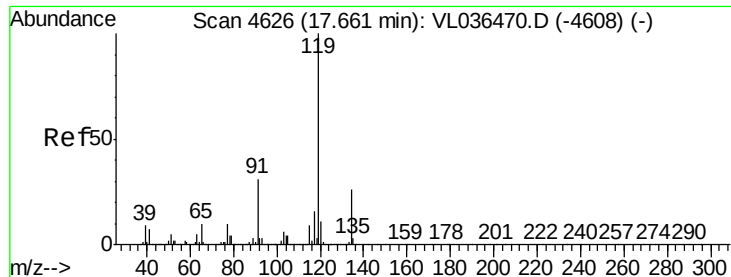
Tot Ion: 105 Resp: 5912808
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.911 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T.: 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

Tgt Ion: 95 Resp: 2427218
 Ion Ratio Lower Upper
 95 100
 174 63.6 51.0 76.6
 175 4.5 3.9 5.9





#69

p-Isopropyltoluene

Concen: 7.970 ppbv

RT: 17.67 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Apr 2021 12:50

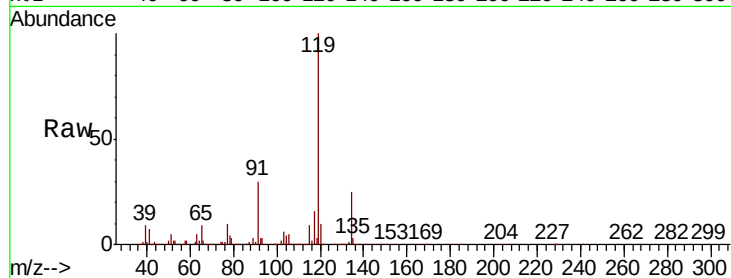
Tot Ion: 119 Resp: 4845380

Ion Ratio Lower Upper

119 100

134 25.3 20.6 30.8

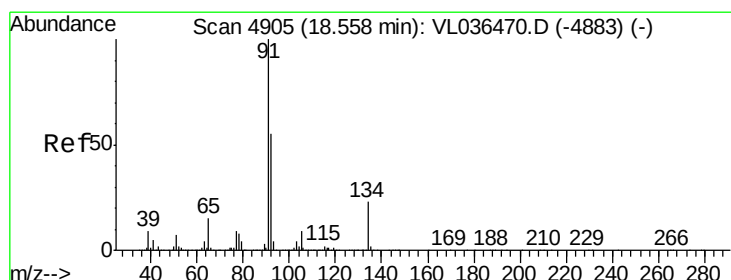
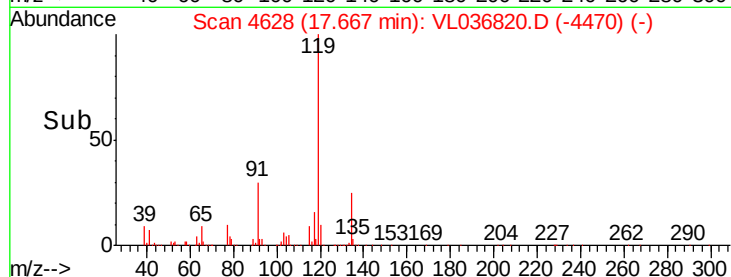
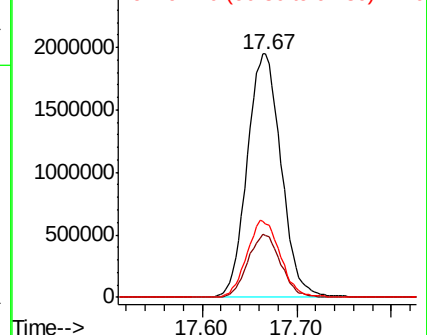
91 30.9 25.0 37.6



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: 7.965 ppbv

RT: 18.56 min Scan# 4907

Delta R.T. 0.01 min

Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

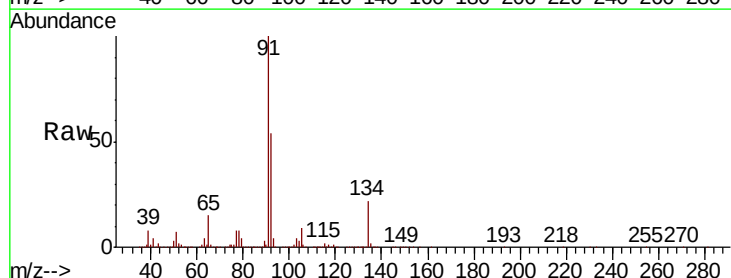
Tgt Ion: 91 Resp: 5020608

Ion Ratio Lower Upper

91 100

92 53.7 43.8 65.8

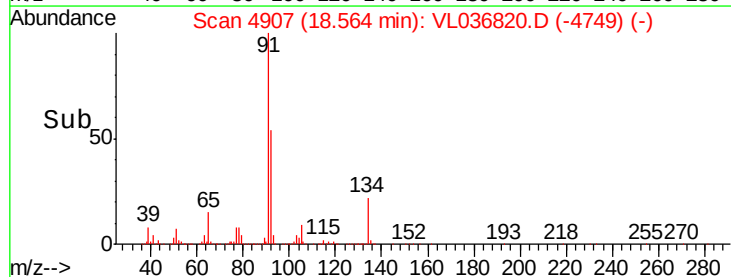
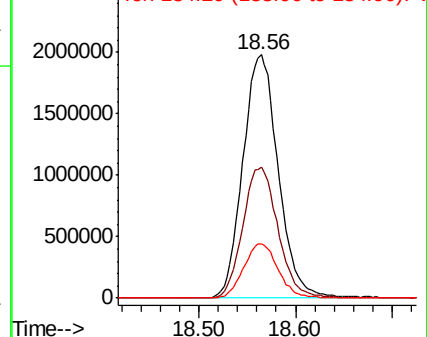
134 21.9 18.0 27.0

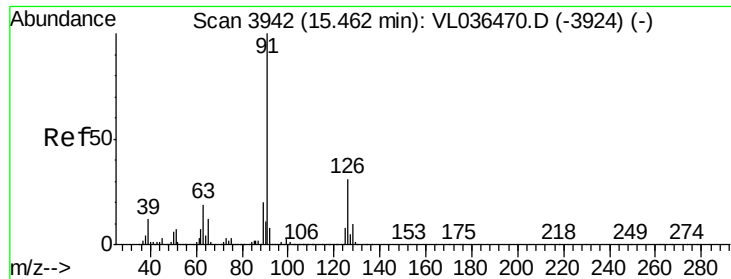


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

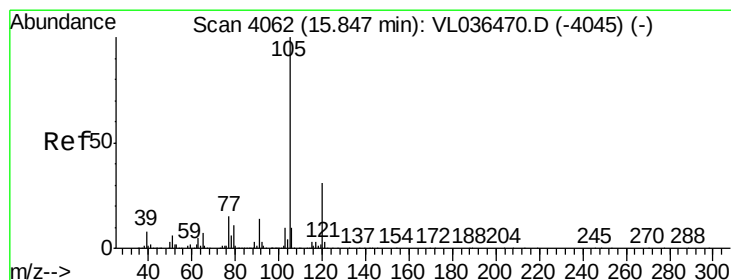
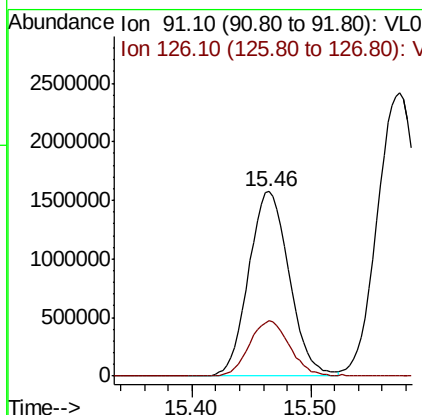
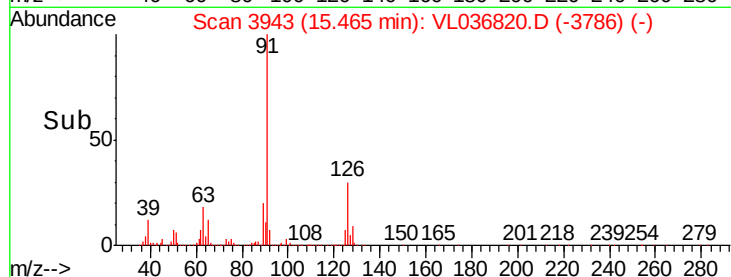
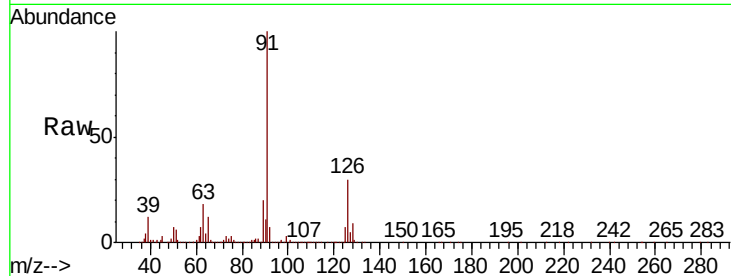
Ion 134.20 (133.90 to 134.90): V





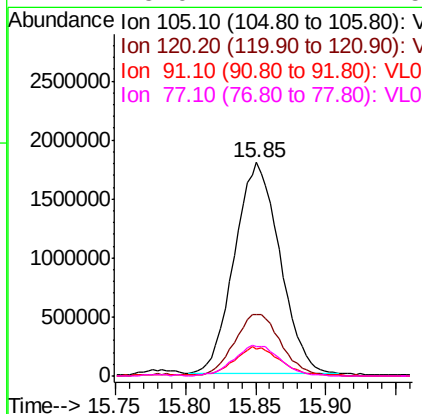
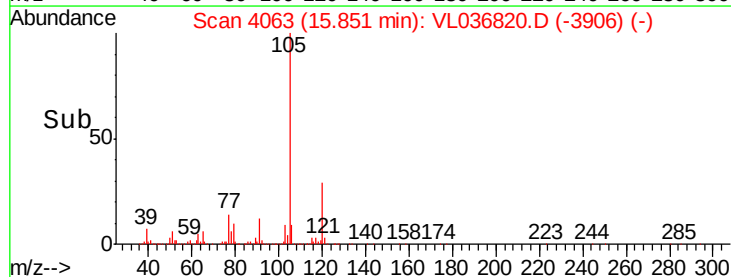
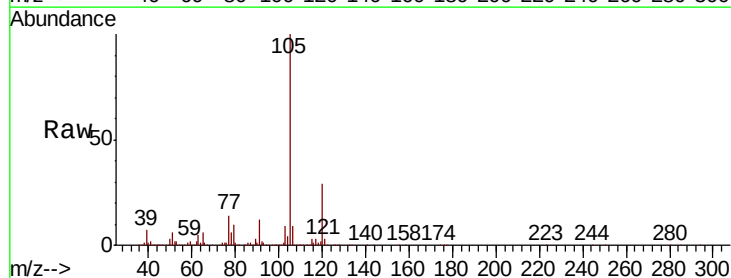
#71
 2-Chlorotoluene
 Concen: 7.807 ppbv
 RT: 15.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Apr 2021 12:50

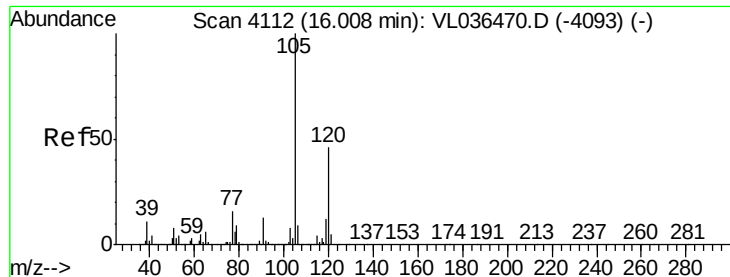
Tot Ion: 91 Resp: 3721002
 Ion Ratio Lower Upper
 91 100
 126 30.4 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 7.754 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T. 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

Tgt Ion:105 Resp: 4013199
 Ion Ratio Lower Upper
 105 100
 120 30.4 24.0 36.0
 91 13.6 11.0 16.4
 77 15.0 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.554 ppbv

RT: 16.01 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

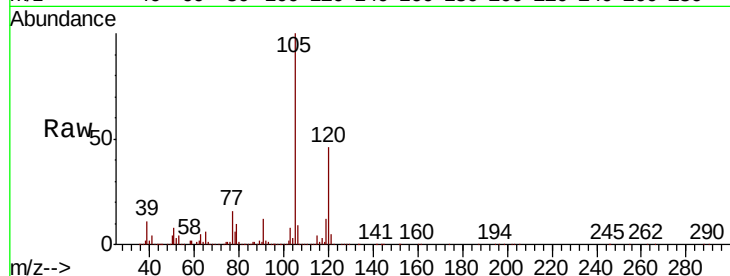
Acq: 20 Apr 2021 12:50

Tot Ion:105 Resp: 3648792

Ion Ratio Lower Upper

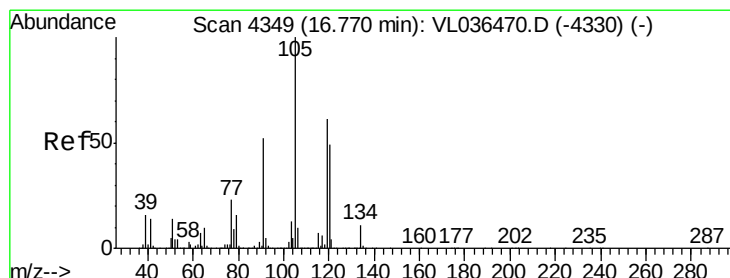
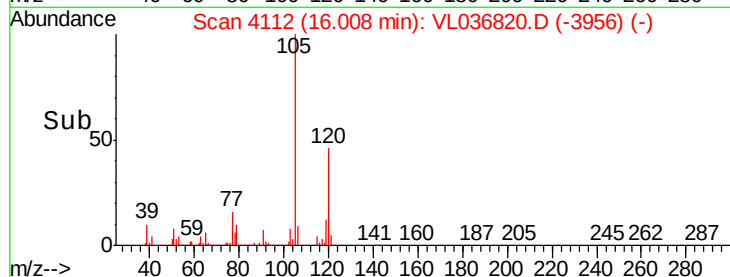
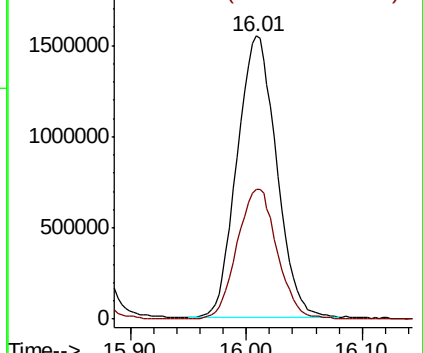
105 100

120 46.0 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.412 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.01 min

Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

Tgt Ion:105 Resp: 3831698

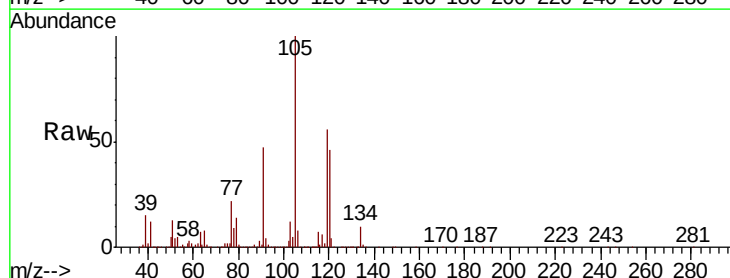
Ion Ratio Lower Upper

105 100

120 45.8 39.2 58.8

91 46.7 42.6 64.0

77 21.9 18.6 28.0

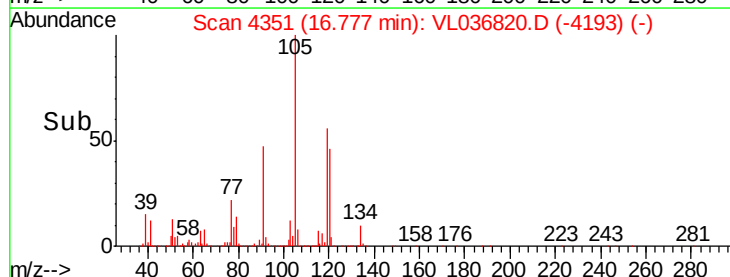
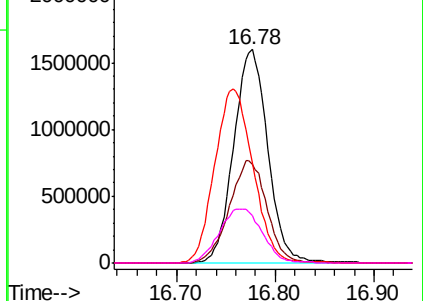


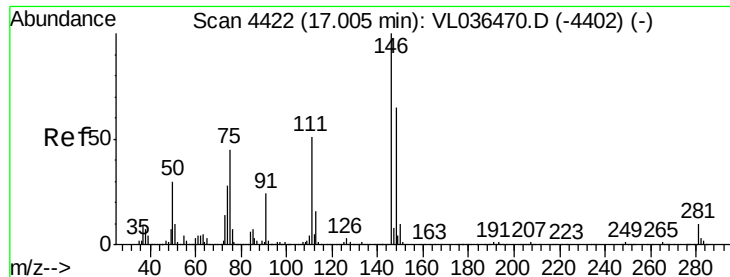
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

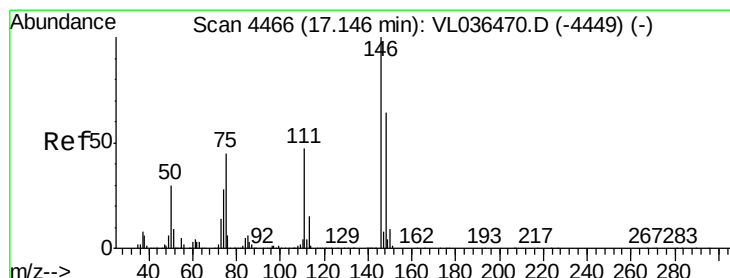
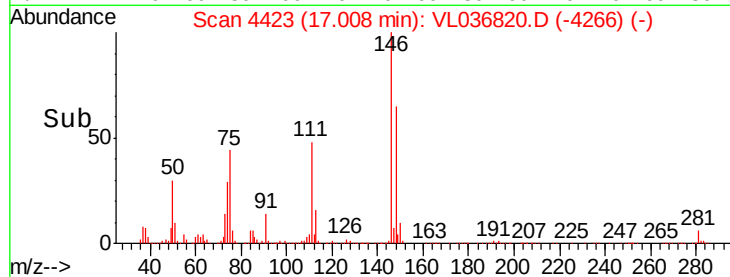
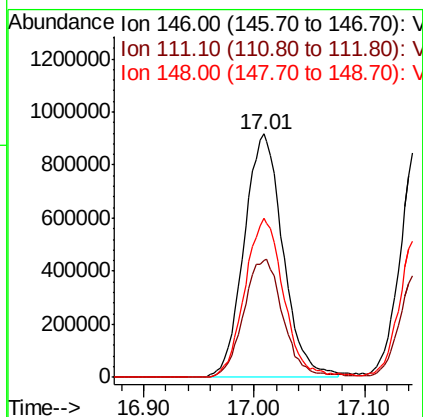
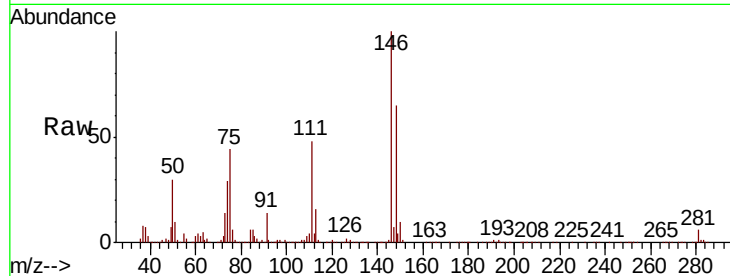
Ion 77.10 (76.80 to 77.80): VL0





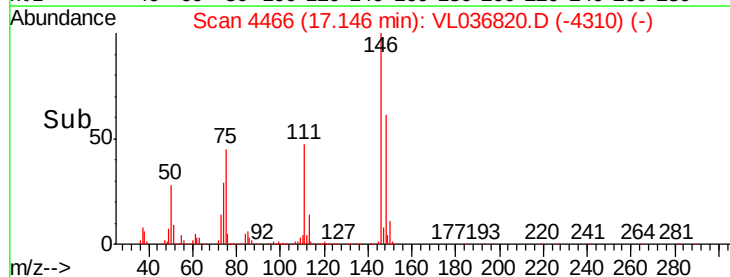
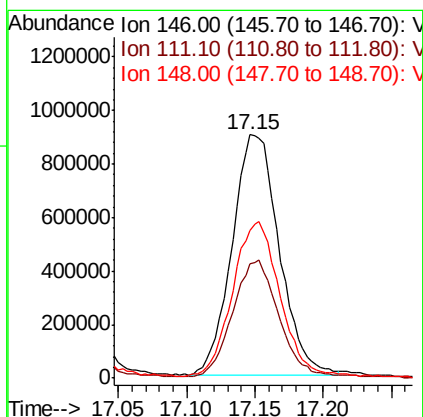
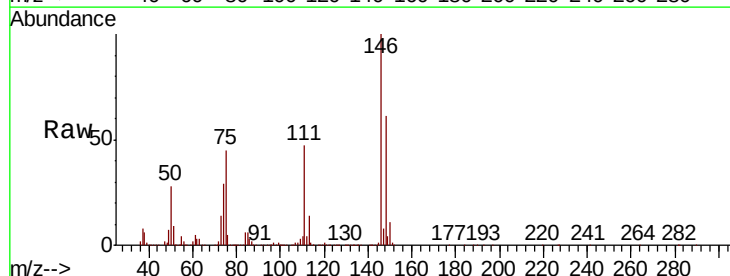
#75
 1,3-Dichlorobenzene
 Concen: 7.713 ppbv
 RT: 17.01 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:50

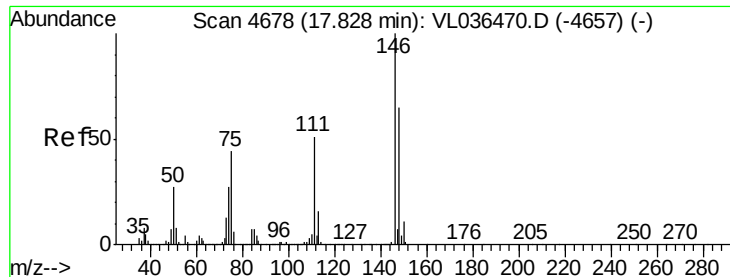
Tot Ion:146 Resp: 2244091
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.5 73.5
 148 65.5 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 7.418 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T.: 0.00 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

Tgt Ion:146 Resp: 2143056
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.3 72.8
 148 67.4 33.0 98.9

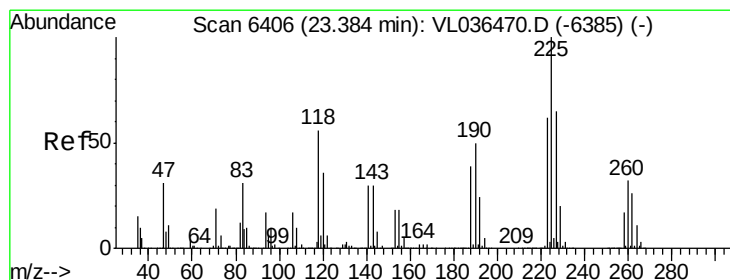
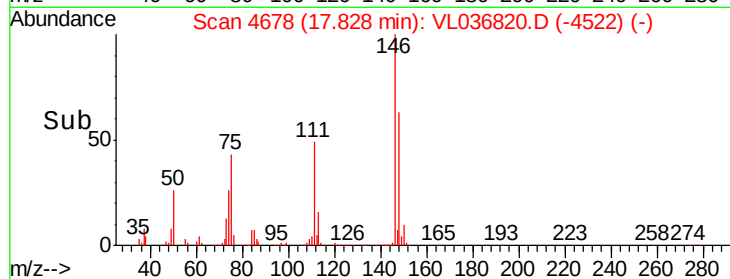
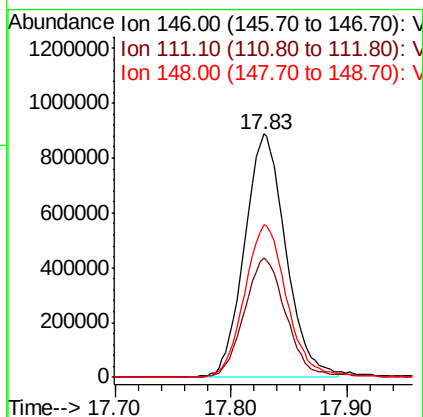
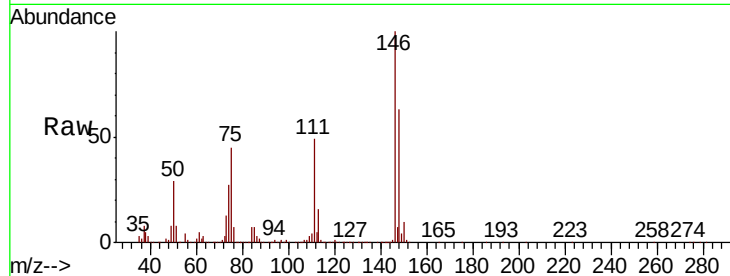




#77
 1,2-Dichlorobenzene
 Concen: 8.016 ppbv
 RT: 17.83 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 12:50

Tot Ion:146 Resp: 2192382

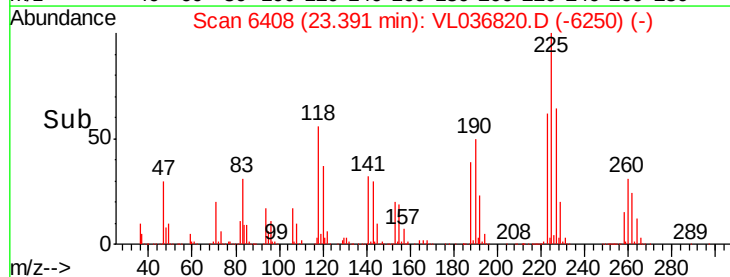
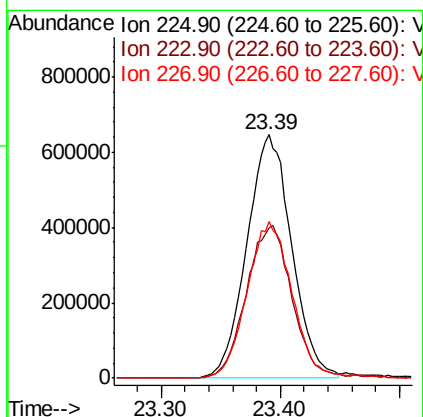
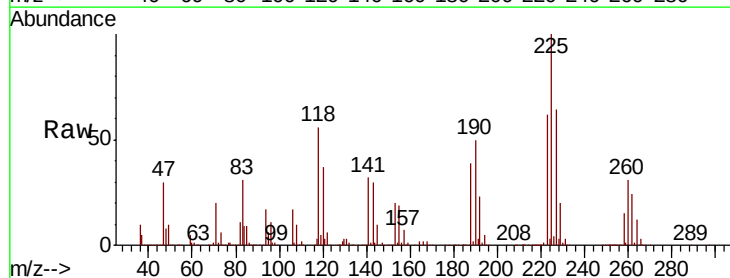
Ion	Ratio	Lower	Upper
146	100		
111	49.6	25.5	76.5
148	64.2	32.9	98.6

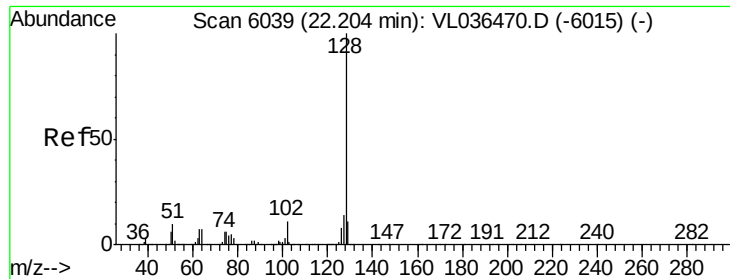


#78
 Hexachloro-1,3-Butadiene
 Concen: 6.871 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T.: 0.01 min
 Lab File: VL036820.D
 Acq: 20 Apr 2021 12:50

Tgt Ion:225 Resp: 1682950

Ion	Ratio	Lower	Upper
225	100		
223	64.8	50.6	75.8
227	65.0	52.2	78.2





#79

Naphthalene

Concen: 8.093 ppbv

RT: 22.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Apr 2021 12:50

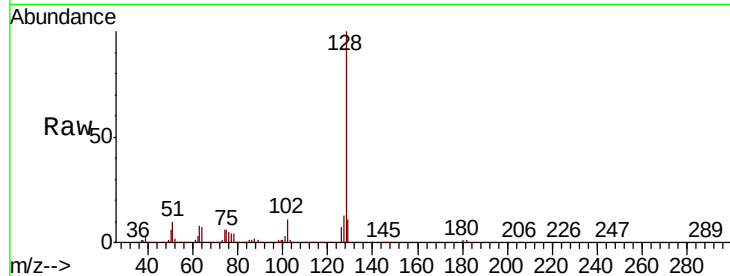
Tot Ion:128 Resp: 2441238

Ion Ratio Lower Upper

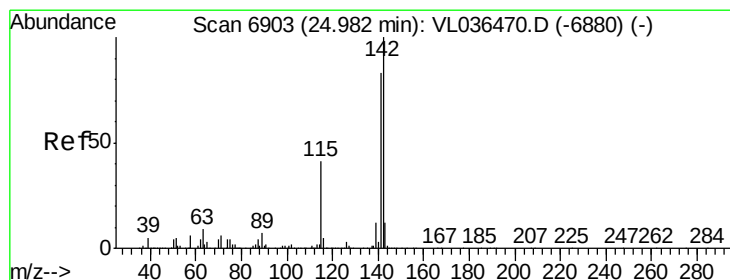
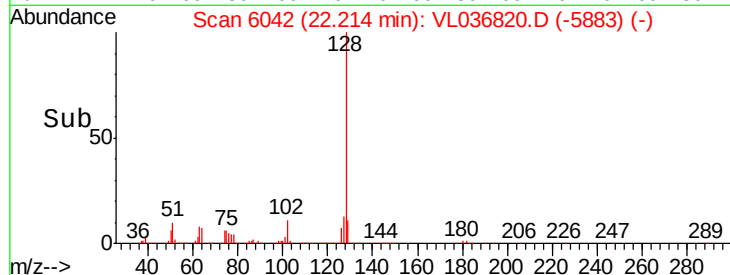
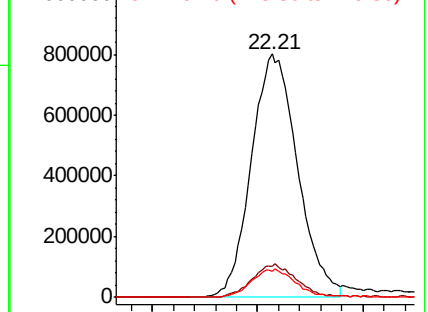
128 100

127 12.9 10.9 16.3

129 10.8 9.0 13.4



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: 5.097 ppbv

RT: 25.00 min Scan# 6907

Delta R.T. 0.01 min

Lab File: VL036820.D

Acq: 20 Apr 2021 12:50

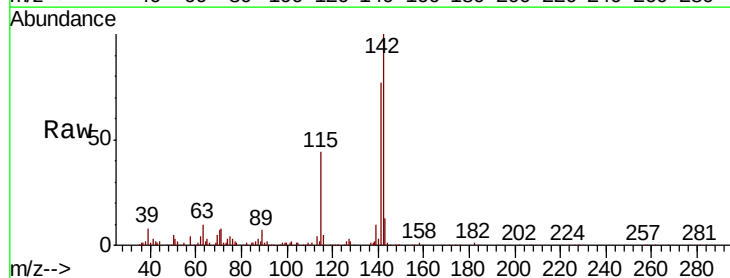
Tgt Ion:142 Resp: 303189

Ion Ratio Lower Upper

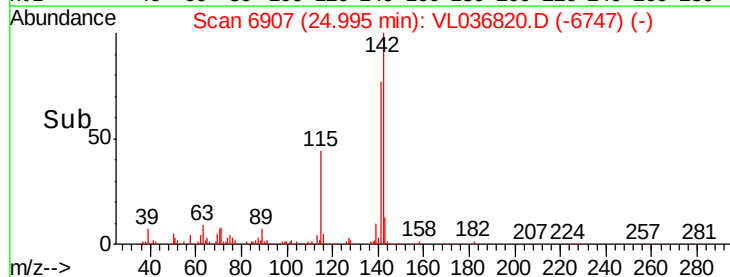
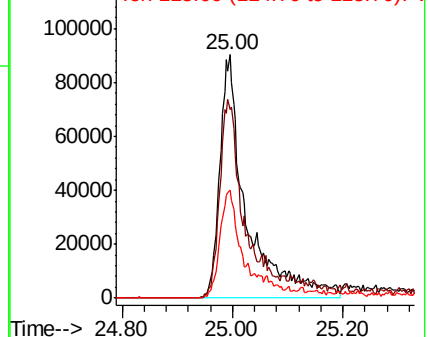
142 100

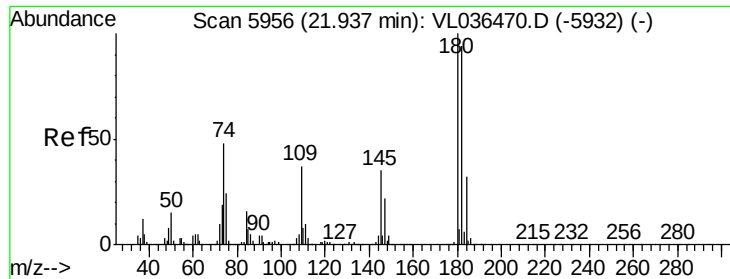
141 83.5 67.8 101.8

115 40.3 34.0 51.0



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





#81

1,2,4-Trichlorobenzene

Concen: 8.304 ppbv

RT: 21.94

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Apr 2021 12:50

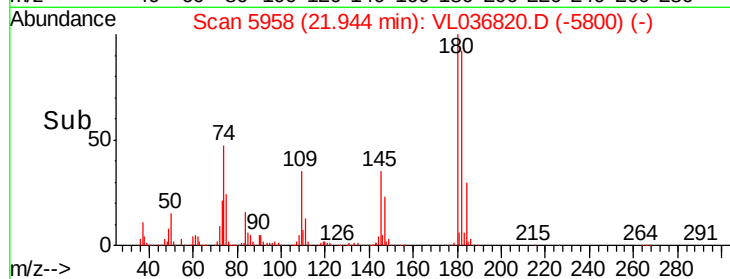
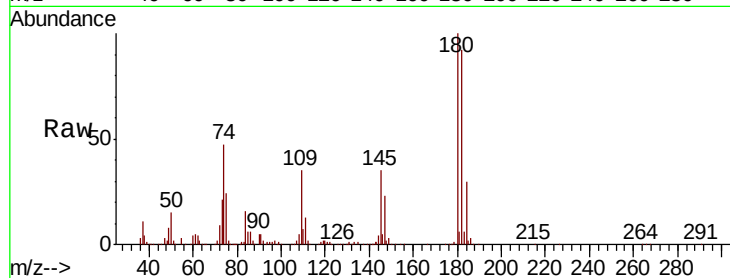
Tot Ion:180 Resp: 1546523

Ion Ratio Lower Upper

180 100

182 96.8 80.8 121.2

184 31.8 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

