

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032322\
 Data File : VL038715.D
 Acq On : 23 Mar 2022 14:04
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 24 04:32:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	790189	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2145412	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2390506	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1442361	7.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	966343	9.097	ppbv	99
3) Chlorodifluoromethane	2.98	51	848659	10.169	ppbv	100
4) Chloromethane	3.13	50	458998	10.017	ppbv	99
5) Vinyl Chloride	3.25	62	463967	9.966	ppbv	99
6) Bromomethane	3.47	94	264507	10.657	ppbv	100
7) Chloroethane	3.55	64	161117	10.453	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1117723	10.539	ppbv	99
9) Propene	3.01	41	404116	10.030	ppbv	100
10) Heptane	8.11	43	985745	10.235	ppbv	99
11) Trichlorofluoromethane	3.94	101	1022162	10.903	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	785233	10.880	ppbv	98
13) Ethanol	3.60	45	14431	3.247	ppbv #	1
14) Bromoethene	3.73	108	356118	11.103	ppbv	97
15) Acetone	3.84	43	693901	10.177	ppbv	99
16) 1,3-Butadiene	3.32	39	414324	10.708	ppbv	100
17) tert-Butyl alcohol	4.27	59	732824	12.306	ppbv	100
18) 1,1-Dichloroethene	4.28	96	353287	10.896	ppbv	96
19) Isopropyl Alcohol	3.95	45	417179	11.036	ppbv #	98
20) Methylene Chloride	4.33	84	294616	10.259	ppbv	98
21) Allyl Chloride	4.40	41	550214	11.212	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	390163	11.602	ppbv	98
23) Vinyl Acetate	5.06	43	798455	12.093	ppbv	100
24) 1,1-Dichloroethane	5.00	63	718186	11.045	ppbv	99
25) Ethyl Acetate	5.66	43	1765083	10.284	ppbv	100
26) Hexane	5.67	57	779947	10.150	ppbv	99
27) Carbon Disulfide	4.54	76	922113	12.233	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	677821	11.841	ppbv	98
29) Chloroform	5.74	83	1260938	10.248	ppbv	97
30) Cyclohexane	7.11	84	676791	10.129	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	779221	10.784	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	1252824	10.551	ppbv	99
34) 2-Butanone	5.23	43	817588	9.628	ppbv	98
35) Carbon Tetrachloride	7.00	117	1318028	10.588	ppbv	98
36) Benzene	6.87	78	1653460	9.986	ppbv	99
37) 1,2-Dichloroethane	6.29	62	871938	10.352	ppbv	99
38) Trichloroethene	7.82	130	718716	10.362	ppbv	98
39) 1,2-Dichloropropane	7.60	63	634771	9.806	ppbv	98
40) 1,4-Dioxane	7.81	88	227213	10.108	ppbv	97
41) Tetrahydrofuran	6.03	42	635025	10.048	ppbv	98
42) Bromodichloromethane	7.77	83	1366542	10.821	ppbv	100
43) Methyl Methacrylate	8.00	69	662314	10.774	ppbv	99

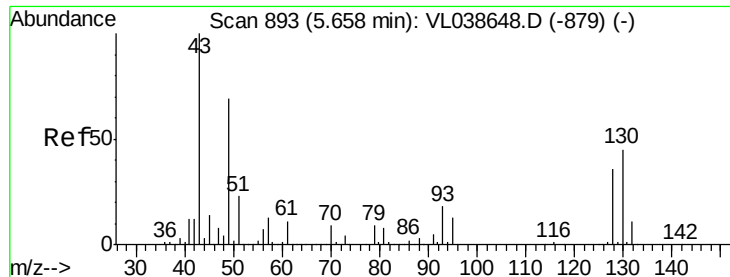
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032322\
 Data File : VL038715.D
 Acq On : 23 Mar 2022 14:04
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 24 04:32:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	2705711	9.732	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	773362	12.373	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	958320	11.339	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	670433	9.701	ppbv	98
48) Dibromochloromethane	10.28	129	1184473	10.942	ppbv	99
49) Bromoform	13.02	173	936395	10.613	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	1603343	10.156	ppbv	99
51) 2-Hexanone	10.11	43	1232822	10.872	ppbv	98
52) Tetrachloroethene	11.20	164	599010	9.886	ppbv	97
53) Toluene	9.79	91	1874577	10.536	ppbv	100
54) 1,2-Dibromoethane	10.59	107	988846	10.479	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.10	131	807684	8.150	ppbv	98
57) Chlorobenzene	12.13	112	1363415	7.908	ppbv	99
58) Ethyl Benzene	12.69	91	2410737	8.626	ppbv	99
59) m/p-Xylene	12.98	91	2183692	8.933	ppbv #	41
60) o-Xylene	13.67	91	1922838	8.284	ppbv	99
61) Styrene	13.51	104	1165863	9.262	ppbv	99
62) Isopropylbenzene	14.64	105	2865409	8.212	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1264323	7.032	ppbv	100
64) n-propylbenzene	15.54	120	766376	8.370	ppbv	100
65) tert-Butylbenzene	16.72	119	2513106	8.015	ppbv	98
66) Benzyl Chloride	16.97	91	604104	10.175	ppbv	99
67) sec-Butylbenzene	17.27	105	3609899	8.051	ppbv	99
69) p-Isopropyltoluene	17.63	119	2998587	8.194	ppbv	100
70) n-Butylbenzene	18.53	91	3134637	8.304	ppbv	100
71) 2-Chlorotoluene	15.43	91	2088490	8.064	ppbv	99
72) 4-Ethyltoluene	15.82	105	2362099	8.621	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	2078459	8.325	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	2207922	8.119	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	1355786	7.827	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1322824	7.679	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	1333148	7.769	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1202880	7.584	ppbv	100
79) Naphthalene	22.17	128	2217844	10.674	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	486002	8.723	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1268361	8.917	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 14:04

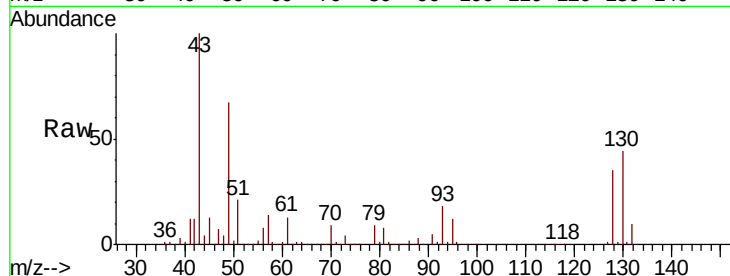
Tot Ion: 49 Resp: 790189

Ion Ratio Lower Upper

49 100

128 54.3 26.2 78.6

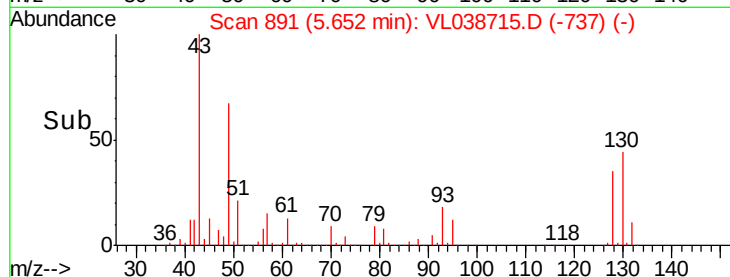
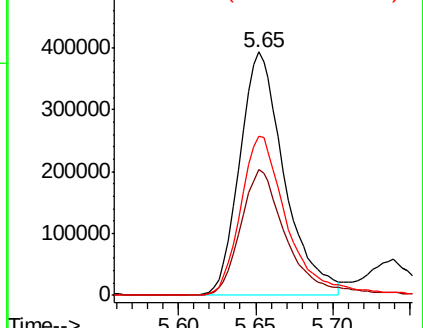
130 69.5 33.7 101.1



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: 9.097 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL038715.D

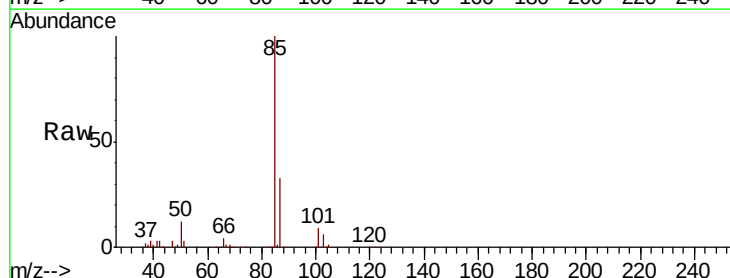
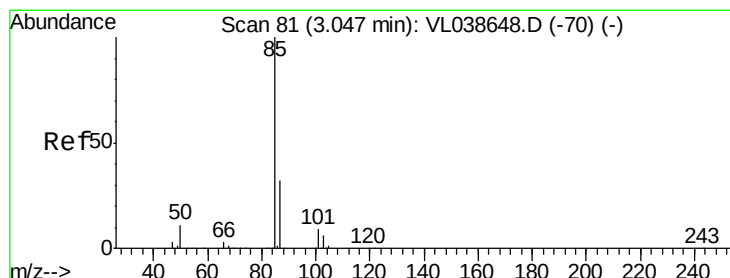
Acq: 23 Mar 2022 14:04

Tgt Ion: 85 Resp: 966343

Ion Ratio Lower Upper

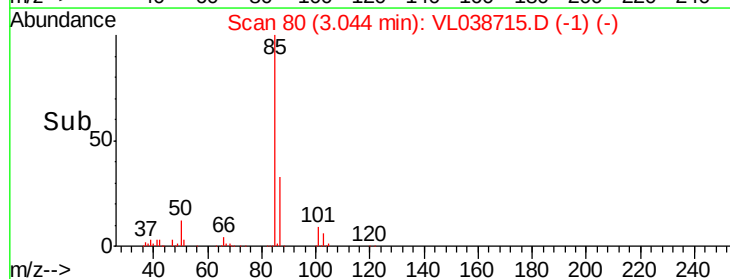
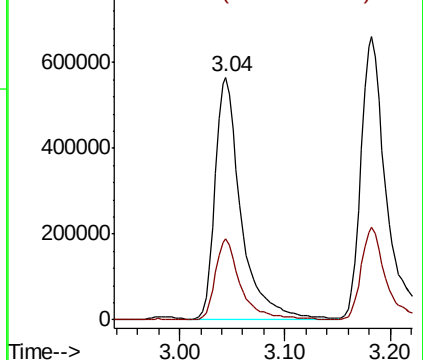
85 100

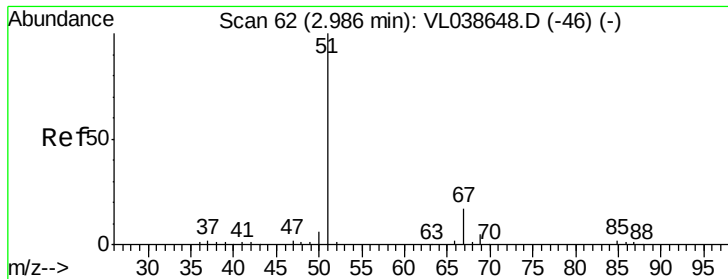
87 33.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.169 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

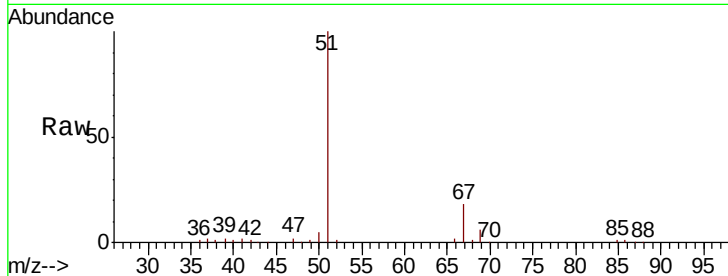
Acq: 23 Mar 2022 14:04

Tot Ion: 51 Resp: 848659

Ion Ratio Lower Upper

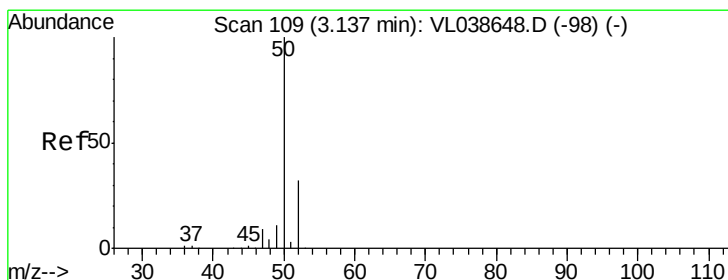
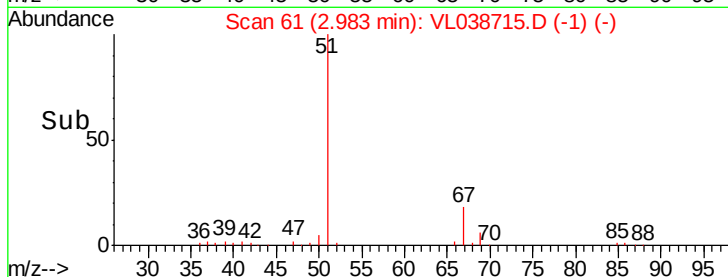
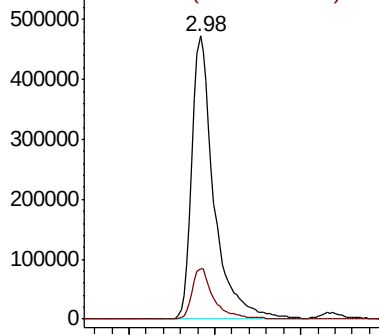
51 100

67 17.7 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.017 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL038715.D

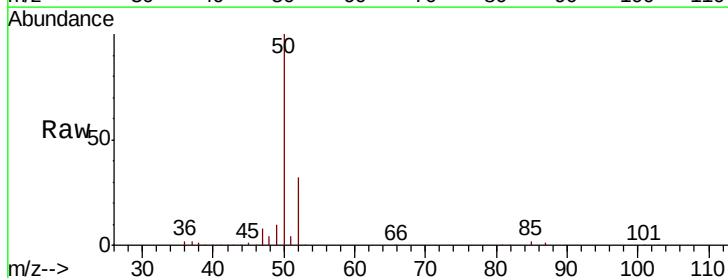
Acq: 23 Mar 2022 14:04

Tgt Ion: 50 Resp: 458998

Ion Ratio Lower Upper

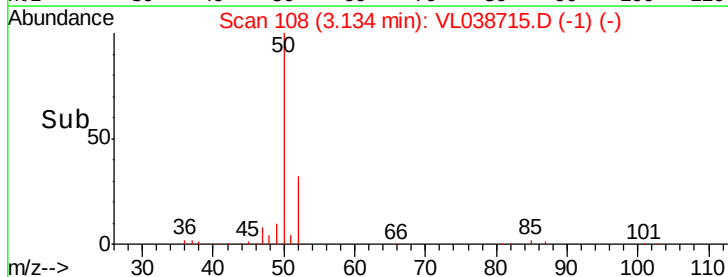
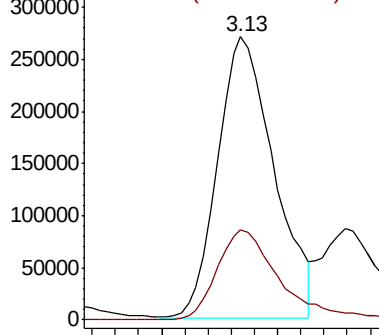
50 100

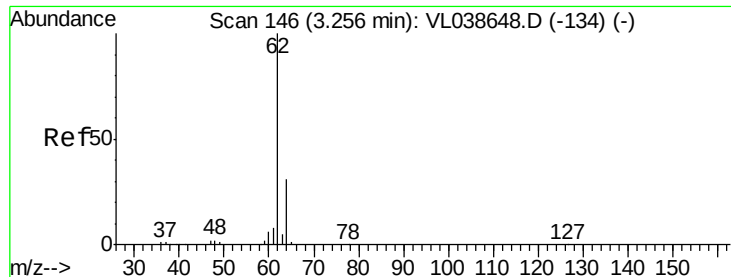
52 32.3 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.966 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

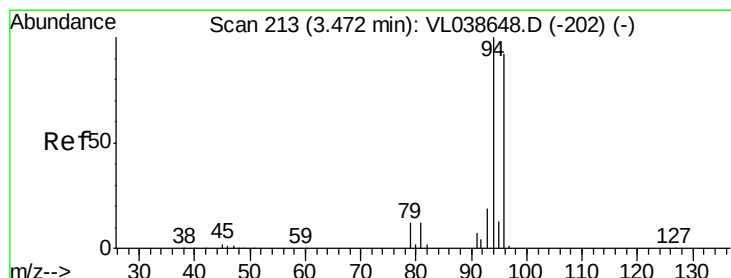
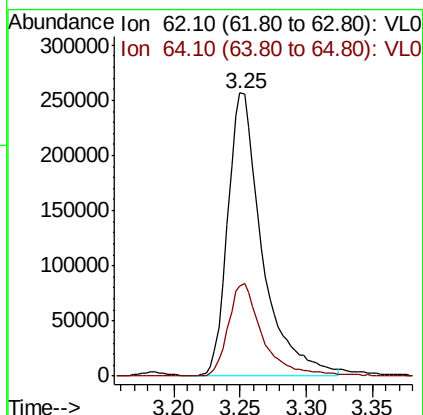
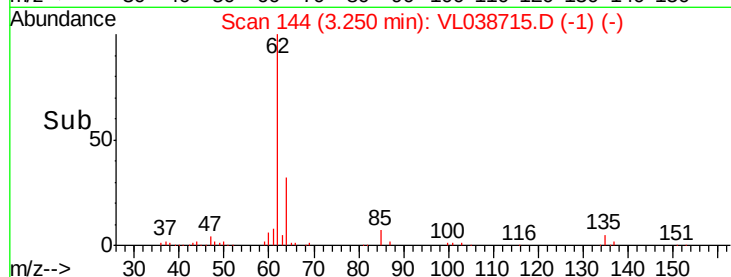
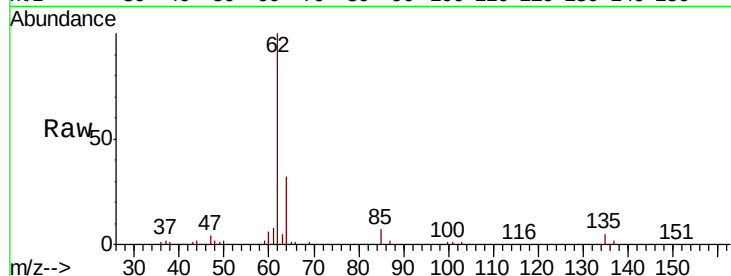
Acq: 23 Mar 2022 14:04

Tot Ion: 62 Resp: 463967

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4



#6

Bromomethane

Concen: 10.657 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL038715.D

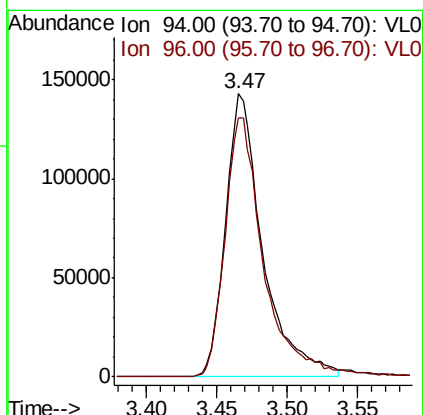
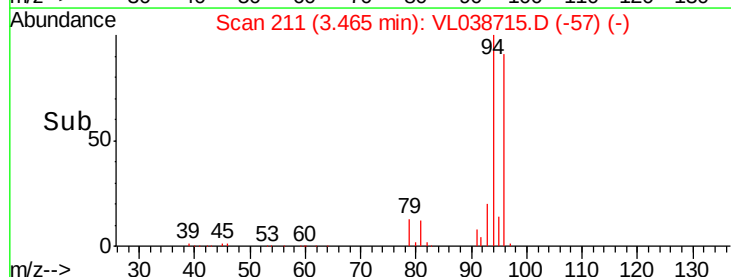
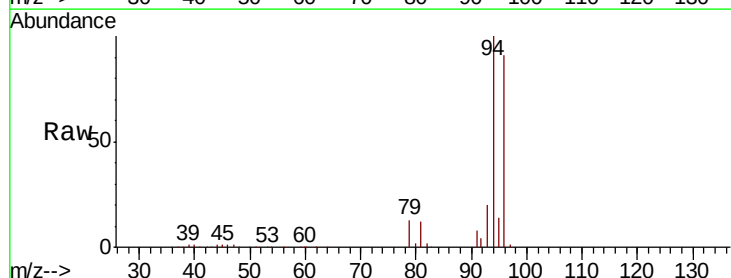
Acq: 23 Mar 2022 14:04

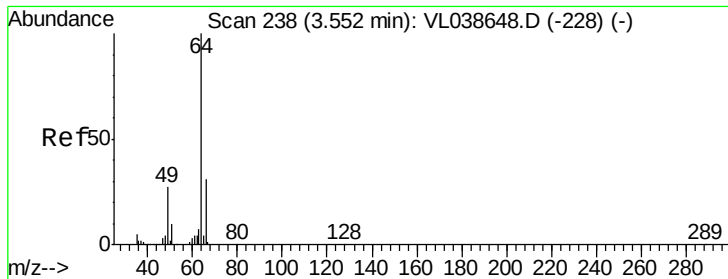
Tgt Ion: 94 Resp: 264507

Ion Ratio Lower Upper

94 100

96 91.3 73.3 109.9





#7

Chloroethane

Concen: 10.453 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

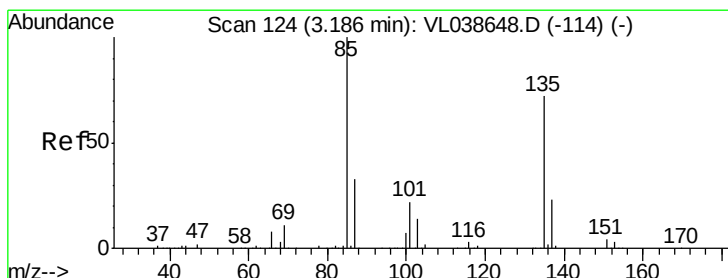
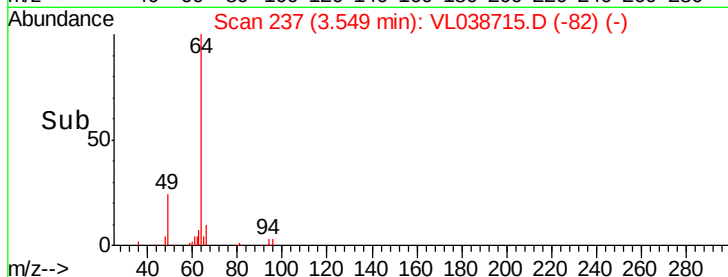
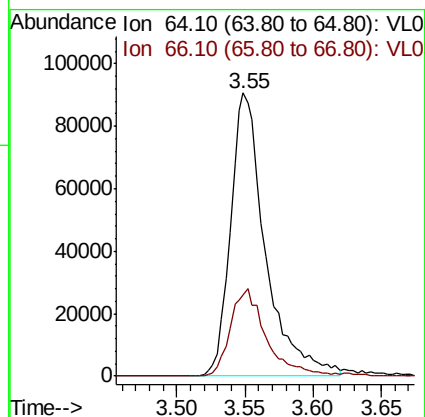
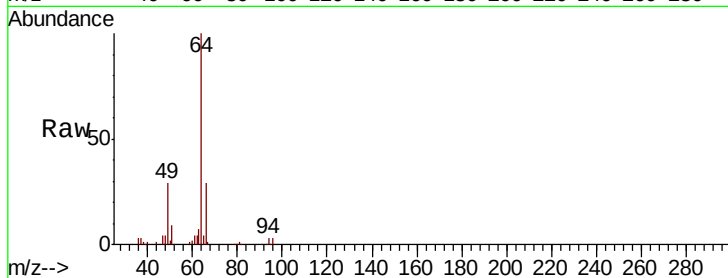
Acq: 23 Mar 2022 14:04

Tot Ion: 64 Resp: 161117

Ion Ratio Lower Upper

64 100

66 28.7 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 10.539 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL038715.D

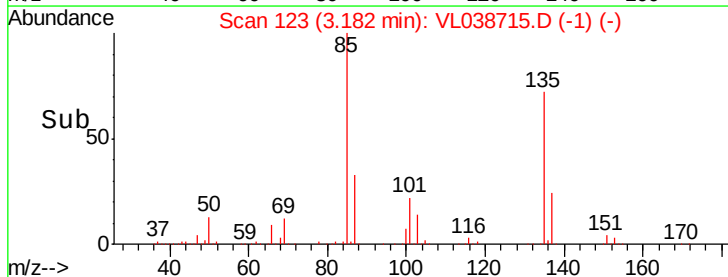
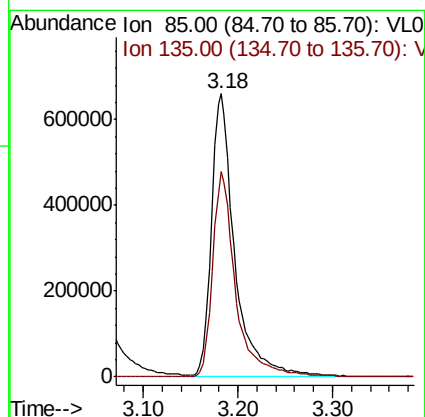
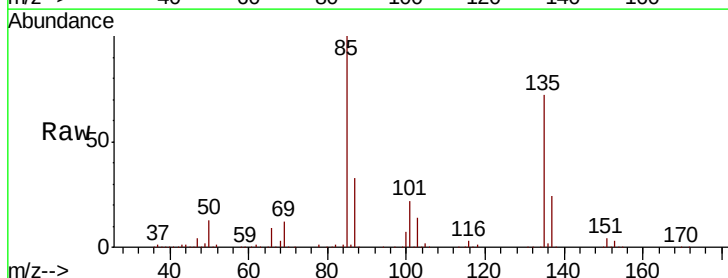
Acq: 23 Mar 2022 14:04

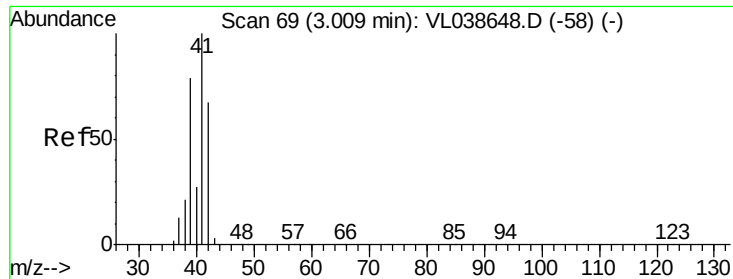
Tgt Ion: 85 Resp: 1117723

Ion Ratio Lower Upper

85 100

135 72.9 57.8 86.6





#9

Propene

Concen: 10.030 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

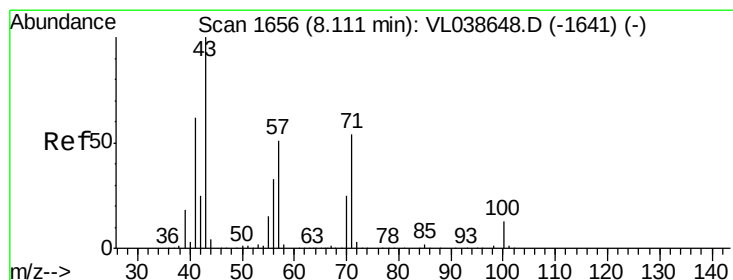
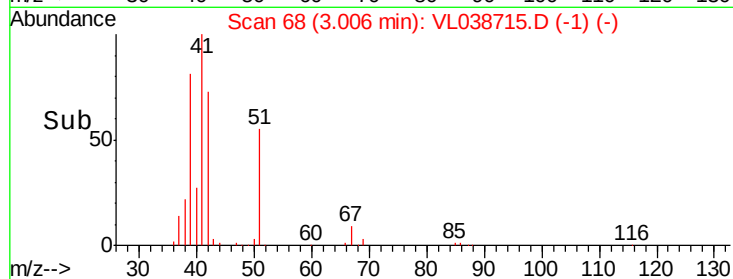
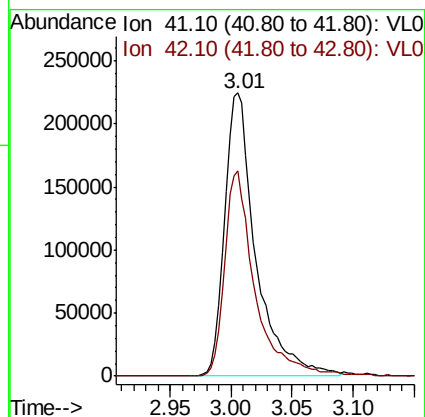
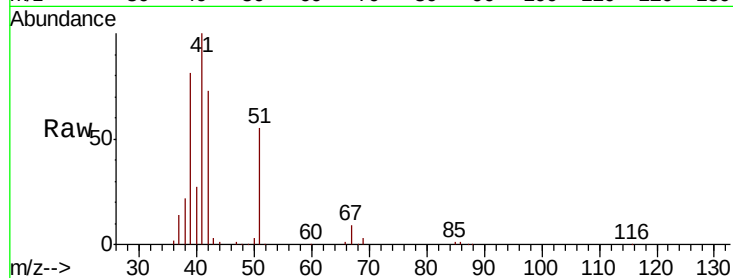
Acq: 23 Mar 2022 14:04

Tot Ion: 41 Resp: 404116

Ion Ratio Lower Upper

41 100

42 70.6 56.2 84.4



#10

Heptane

Concen: 10.235 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL038715.D

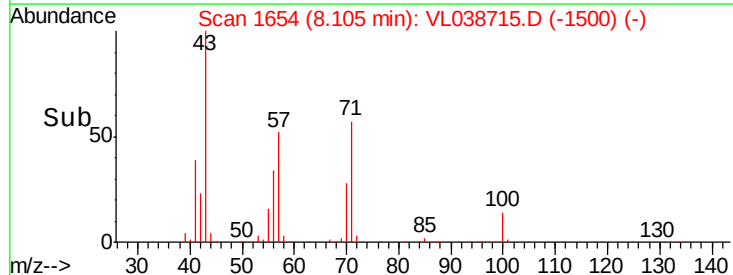
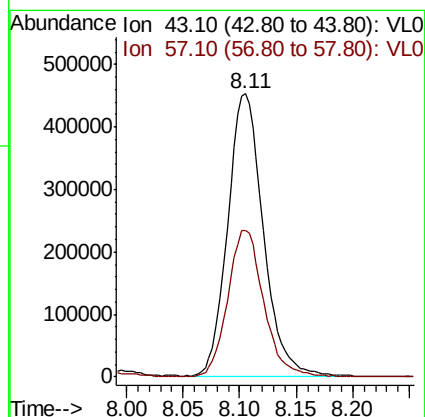
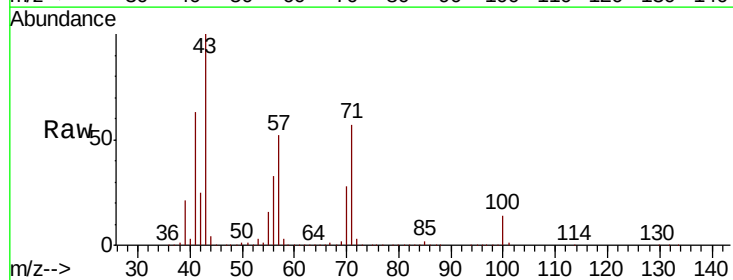
Acq: 23 Mar 2022 14:04

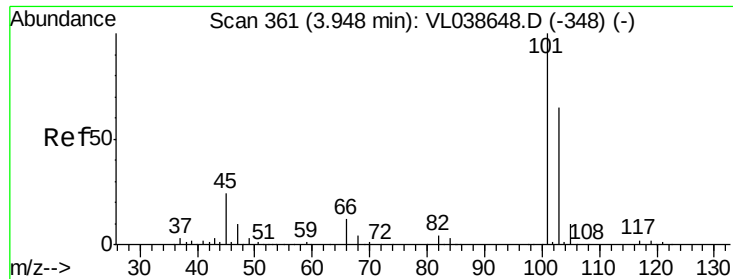
Tgt Ion: 43 Resp: 985745

Ion Ratio Lower Upper

43 100

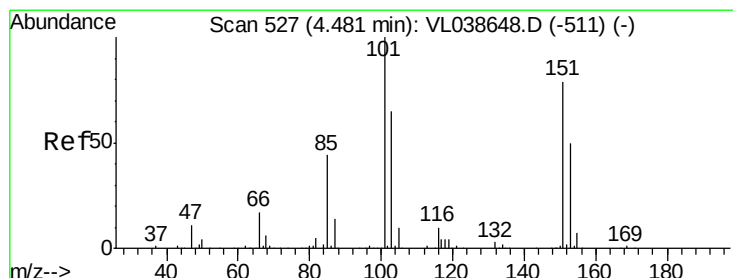
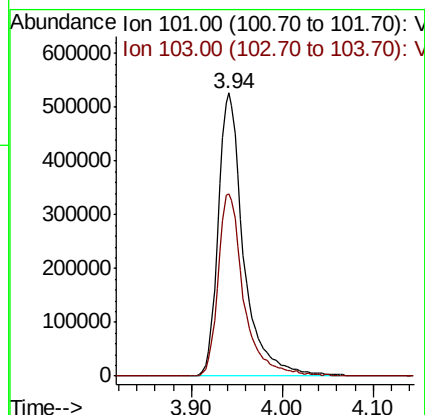
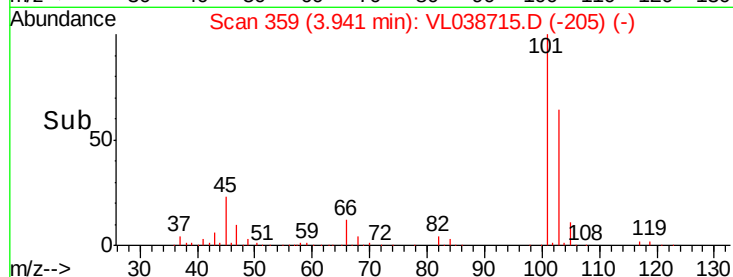
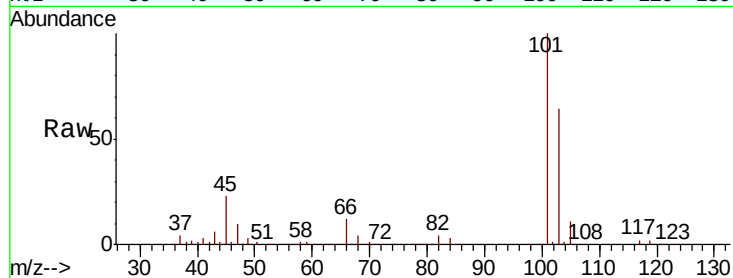
57 52.8 41.4 62.2





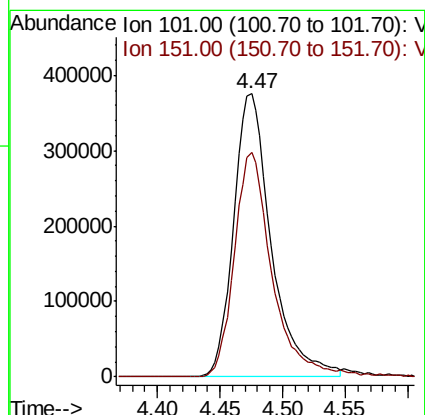
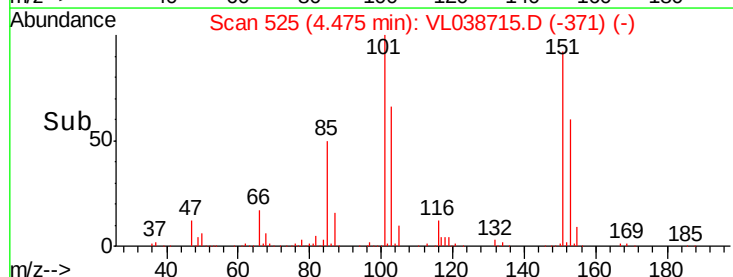
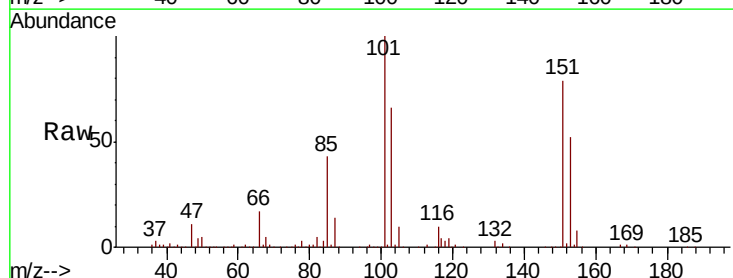
#11
 Trichlorofluoromethane
 Concen: 10.903 ppbv
 RT: 3.94
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 14:04

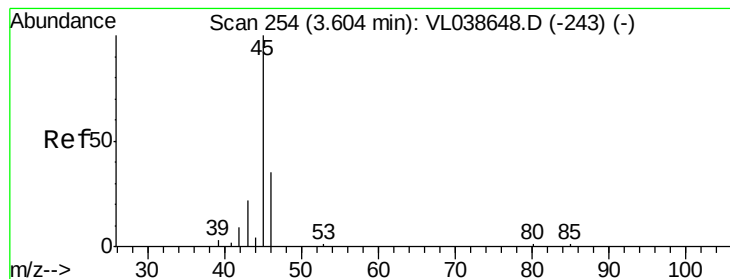
Tot Ion:101 Resp: 1022162
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.880 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T.: -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

Tgt Ion:101 Resp: 785233
 Ion Ratio Lower Upper
 101 100
 151 80.0 62.9 94.3





#13

Ethanol

Concen: 3.247 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

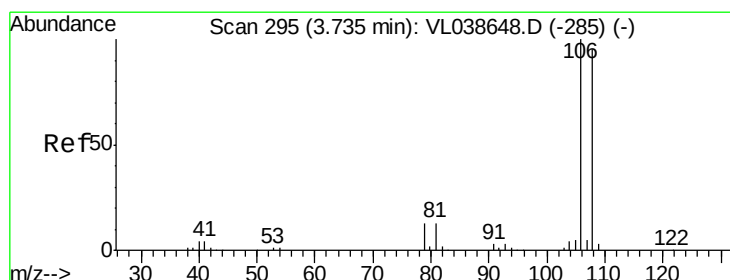
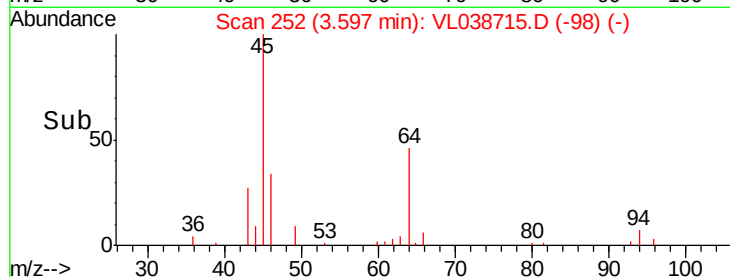
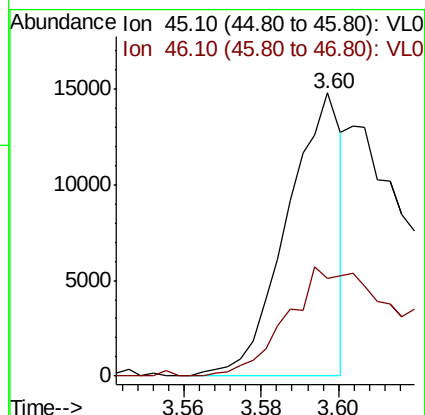
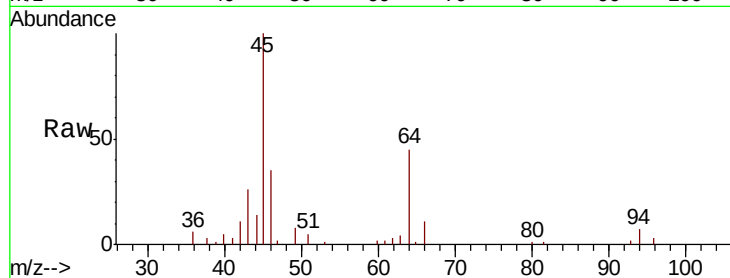
Acq: 23 Mar 2022 14:04

Tot Ion: 45 Resp: 14431

Ion Ratio Lower Upper

45 100

46 104.4 15.1 60.5#



#14

Bromoethene

Concen: 11.103 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL038715.D

Acq: 23 Mar 2022 14:04

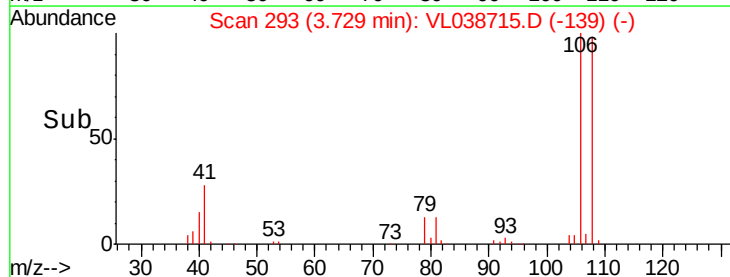
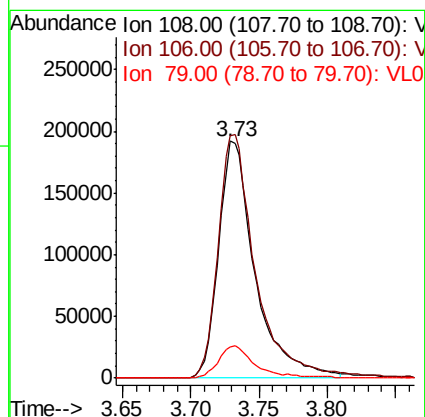
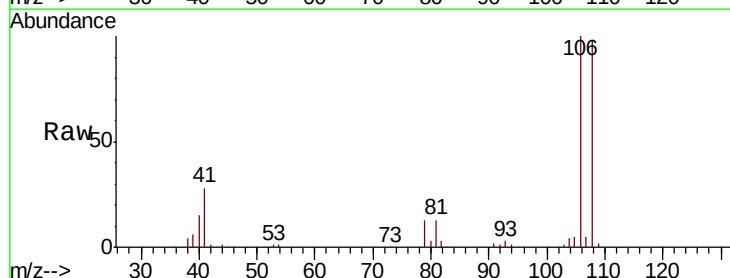
Tgt Ion:108 Resp: 356118

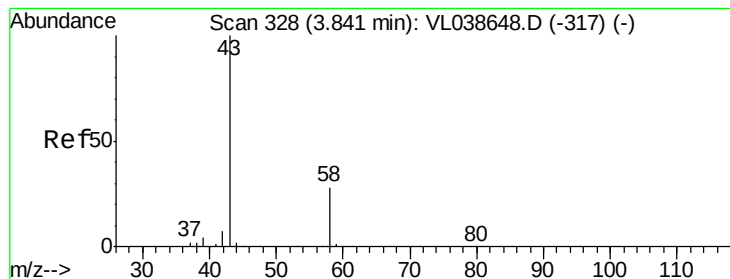
Ion Ratio Lower Upper

108 100

106 107.0 88.3 132.5

79 14.1 11.2 16.8





#15

Acetone

Concen: 10.177 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

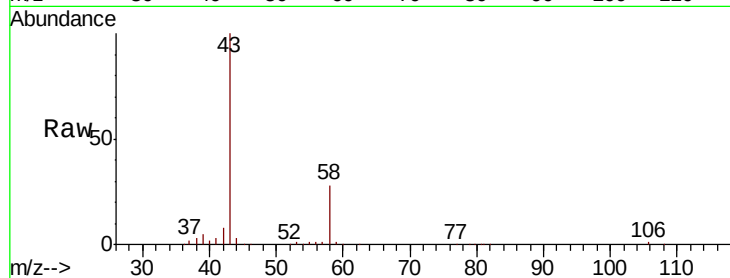
Acq: 23 Mar 2022 14:04

Tot Ion: 43 Resp: 693901

Ion Ratio Lower Upper

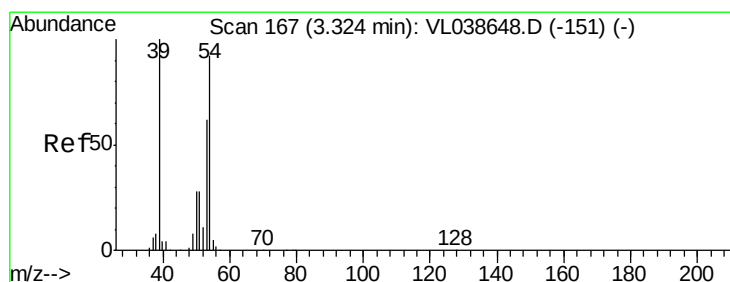
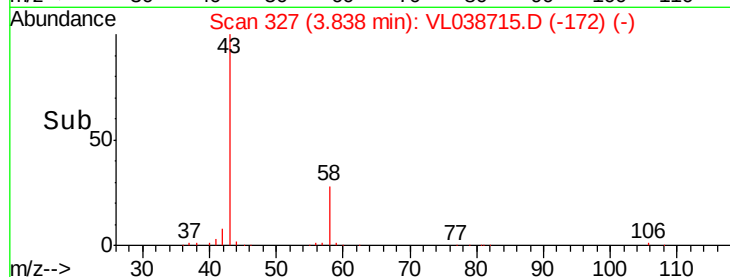
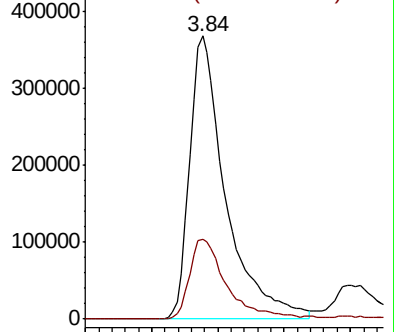
43 100

58 29.6 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.708 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL038715.D

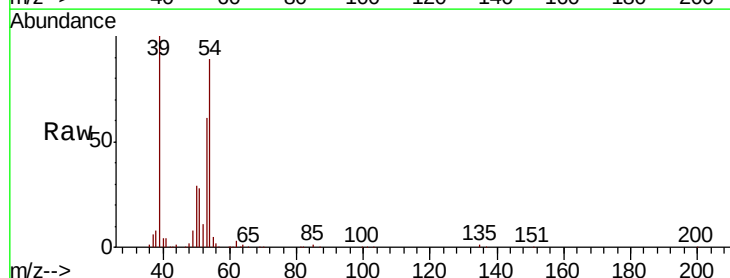
Acq: 23 Mar 2022 14:04

Tgt Ion: 39 Resp: 414324

Ion Ratio Lower Upper

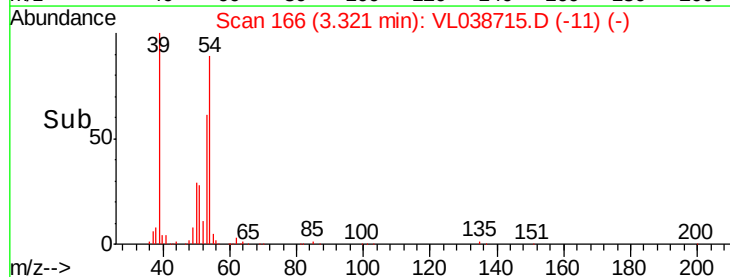
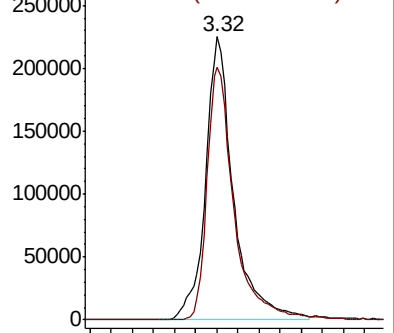
39 100

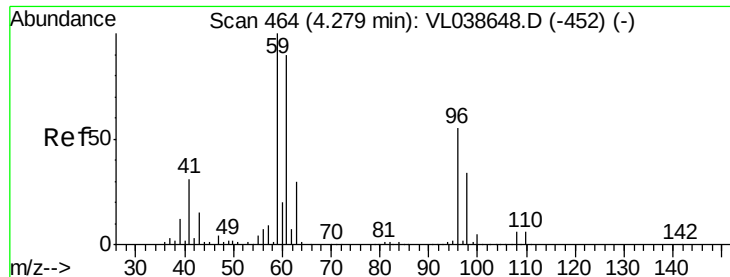
54 86.6 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.306 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

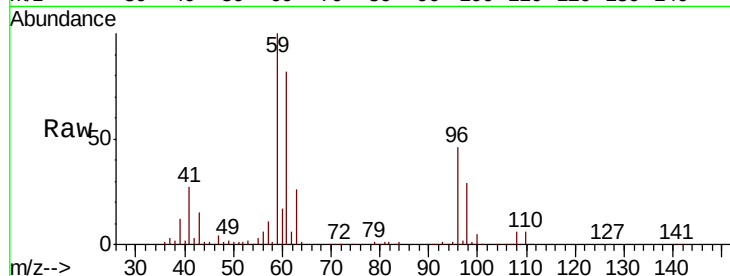
Acq: 23 Mar 2022 14:04

Tot Ion: 59 Resp: 732824

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

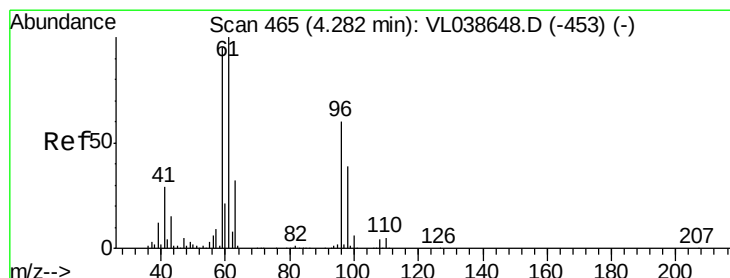
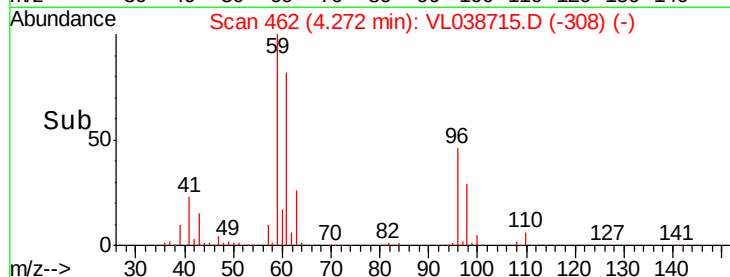
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.896 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL038715.D

Acq: 23 Mar 2022 14:04

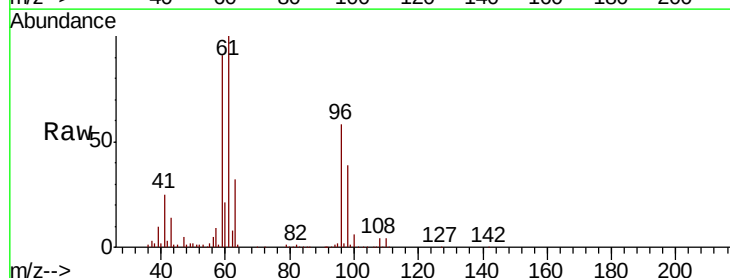
Tgt Ion: 96 Resp: 353287

Ion Ratio Lower Upper

96 100

61 171.0 132.4 198.6

98 67.5 51.6 77.4



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

4.28

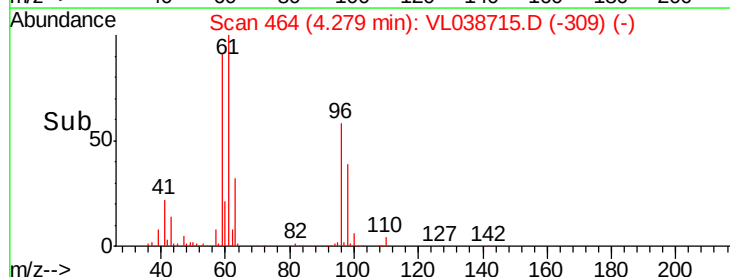
300000

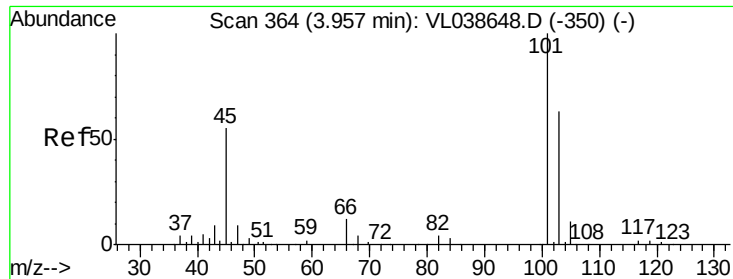
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 11.036 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

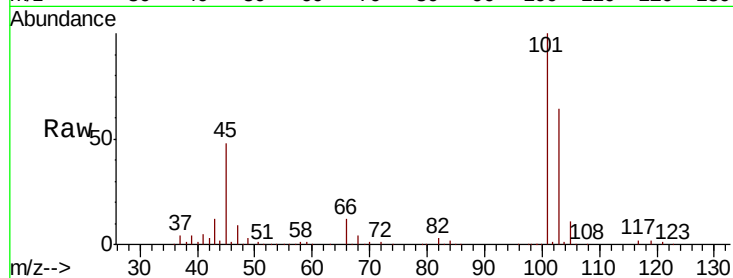
Acq: 23 Mar 2022 14:04

Tot Ion: 45 Resp: 417179

Ion Ratio Lower Upper

45 100

58 2.2 2.3 3.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

200000

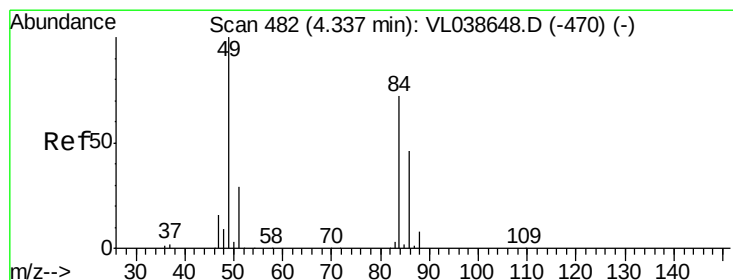
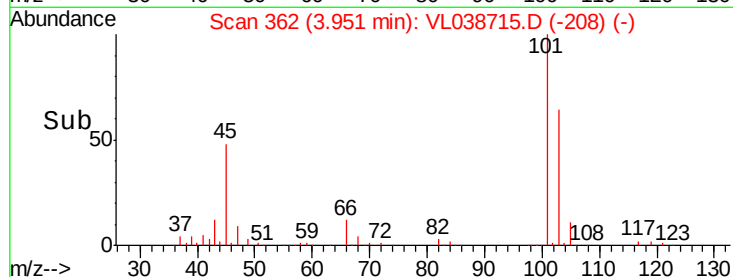
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 10.259 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL038715.D

Acq: 23 Mar 2022 14:04

Tgt Ion: 84 Resp: 294616

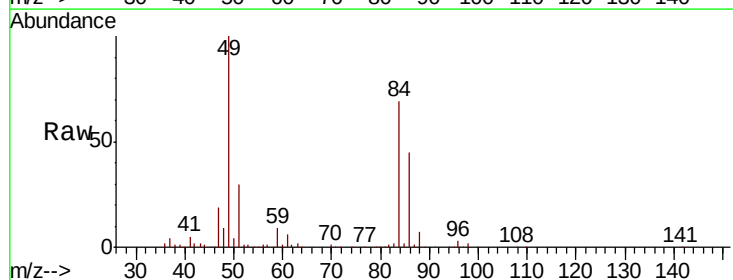
Ion Ratio Lower Upper

84 100

49 142.8 111.2 166.8

51 42.0 32.8 49.2

86 65.2 51.4 77.0



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

4.33

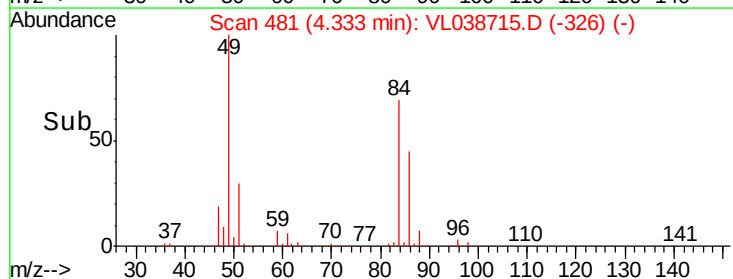
300000

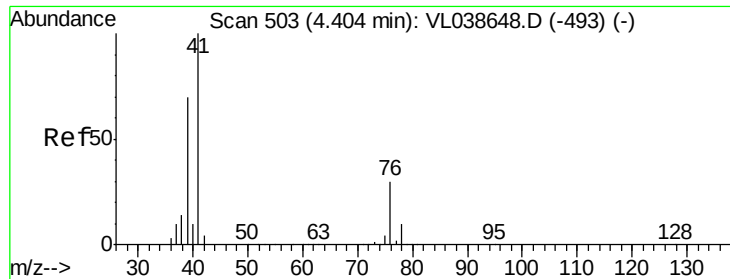
200000

100000

0

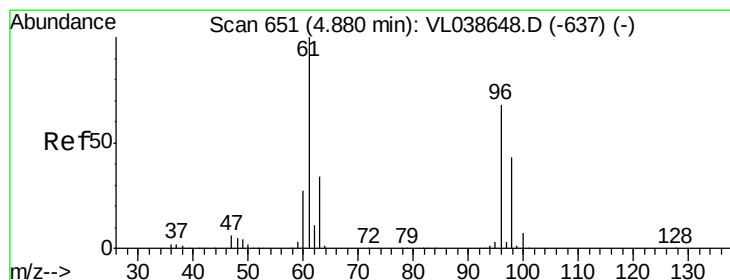
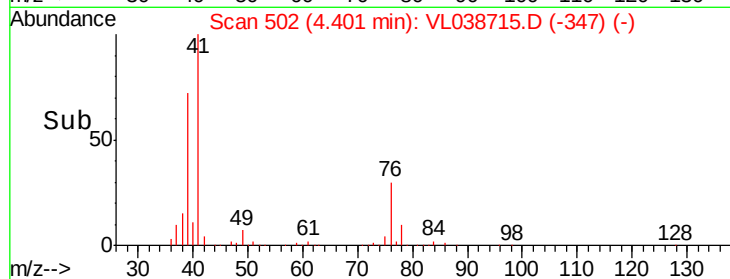
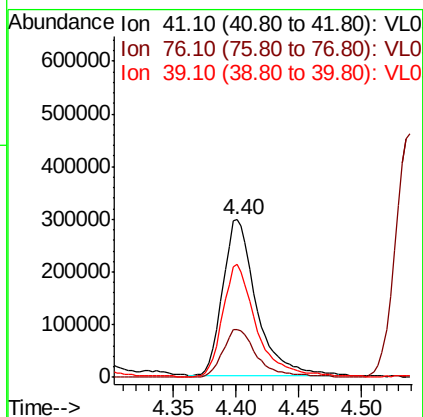
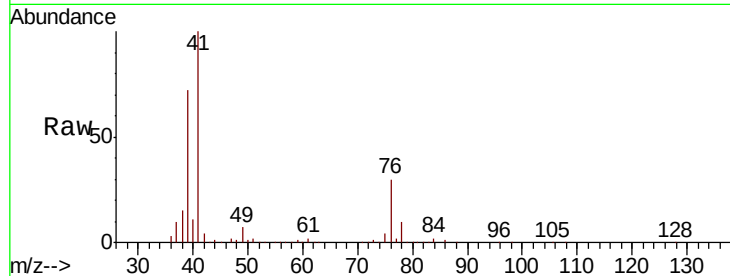
Time-->





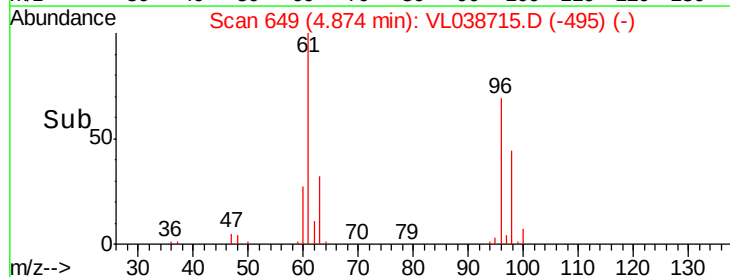
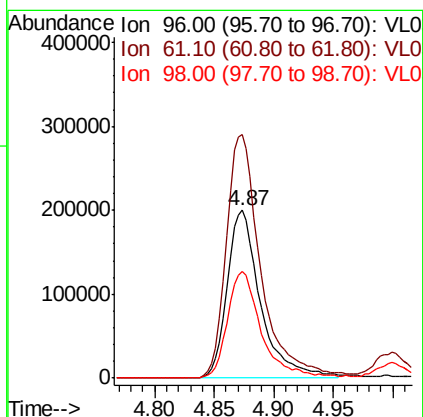
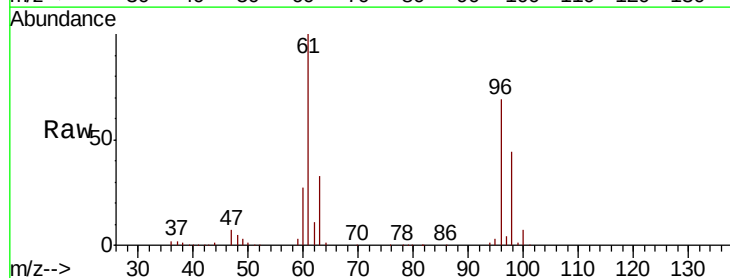
#21
 Allvl Chloride
 Concen: 11.212 ppbv
 RT: 4.40
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 14:04

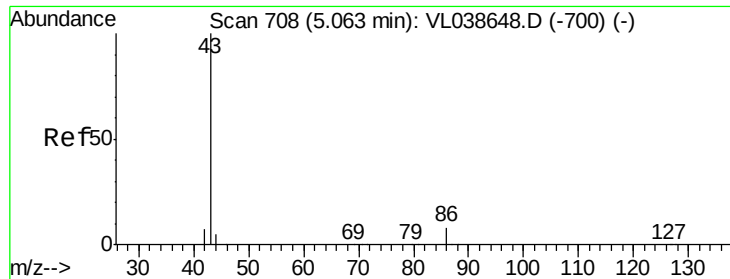
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.5	25.0	37.6
39	71.8	56.6	85.0



#22
 trans-1,2-Dichloroethene
 Concen: 11.602 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

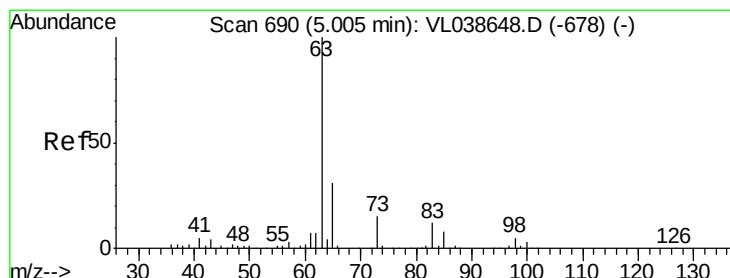
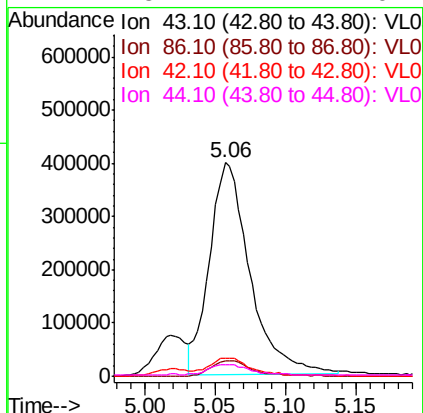
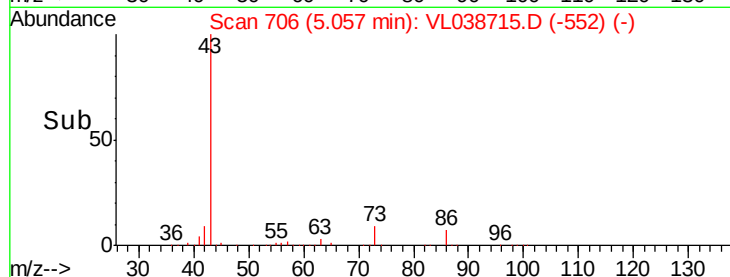
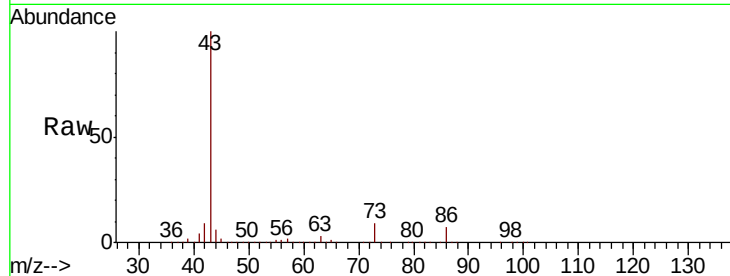
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.2	118.3	177.5
98	63.8	51.3	76.9





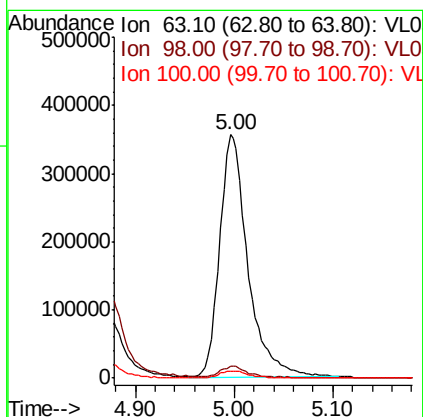
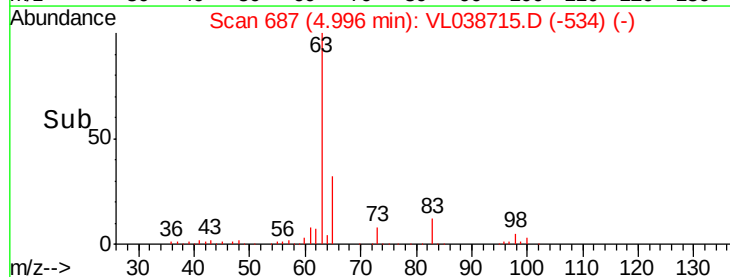
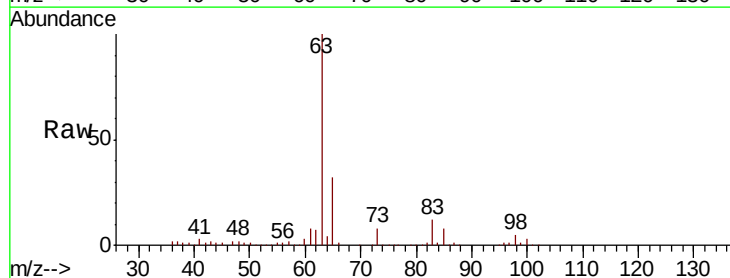
#23
 Vinyl Acetate
 Concen: 12.093 ppbv
 RT: 5.06
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 14:04

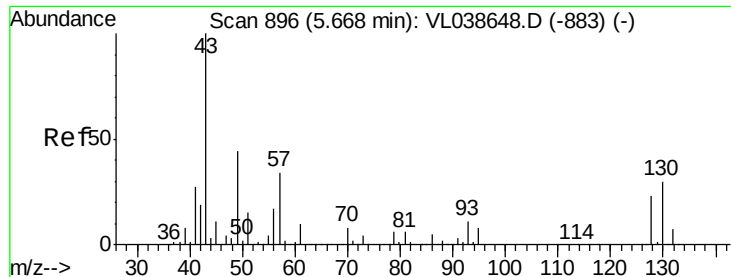
Tot Ion:	43	Resp:	798455
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.6	8.4
42	8.6	6.8	10.2
44	5.1	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 11.045 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T.: -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

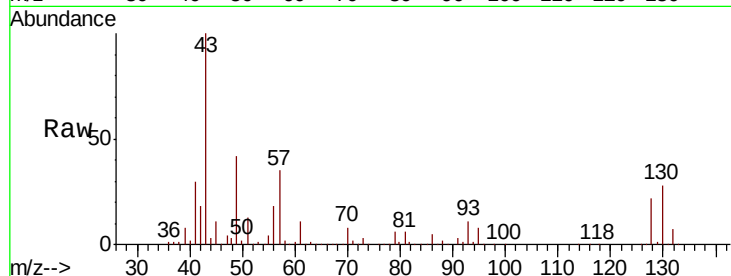
Tgt Ion:	63	Resp:	718186
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.5	7.5
100	2.9	1.4	4.2





#25
Ethyl Acetate
Concen: 10.284 ppbv
RT: 5.66 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 23 Mar 2022 14:04

Tot Ion:	43	Resp:	1765083
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	10.6	8.3	12.5
70	7.2	5.6	8.4



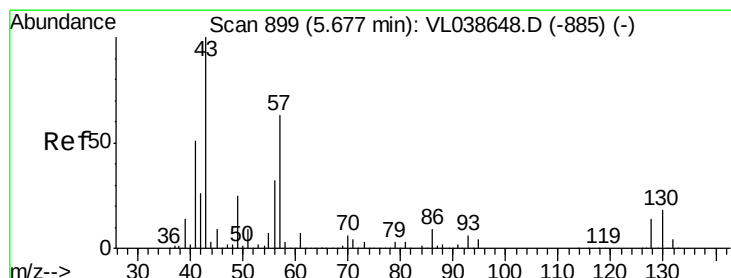
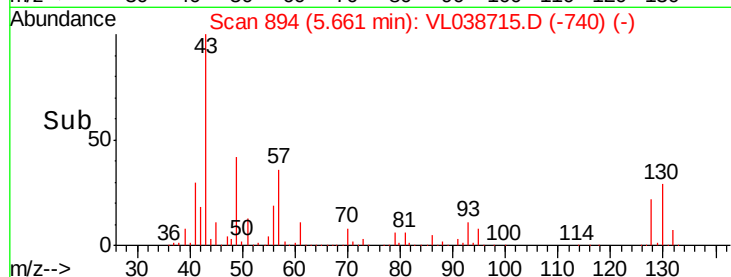
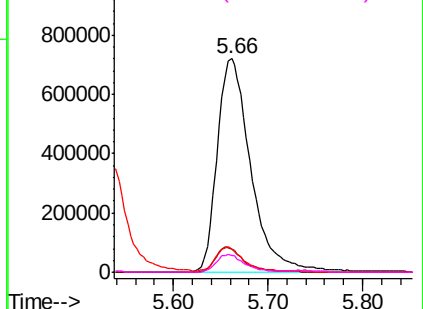
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

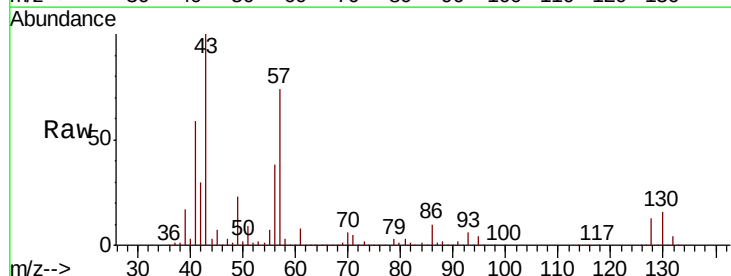
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.150 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: -0.00 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion:	57	Resp:	779947
Ion	Ratio	Lower	Upper
57	100		
41	83.7	67.0	100.4
43	228.5	184.2	276.2
56	53.6	42.6	64.0



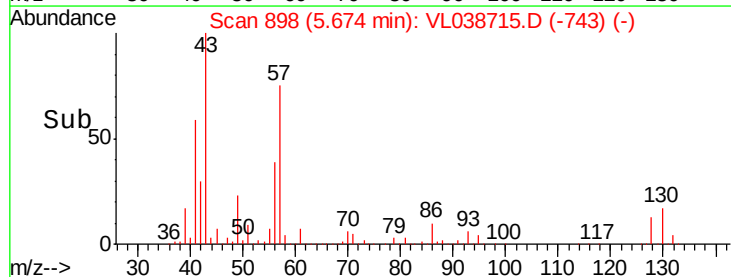
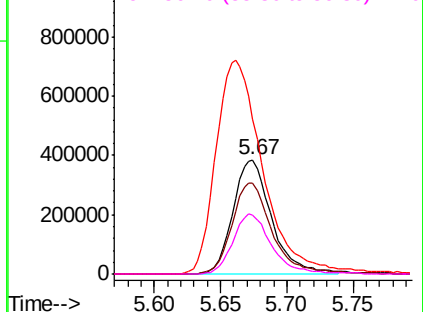
Abundance

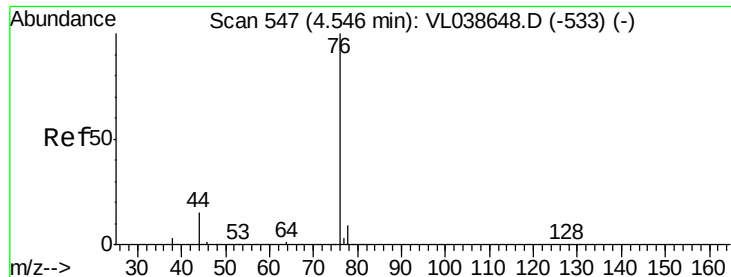
Ion 57.10 (56.80 to 57.80): VL0

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: 12.233 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 14:04

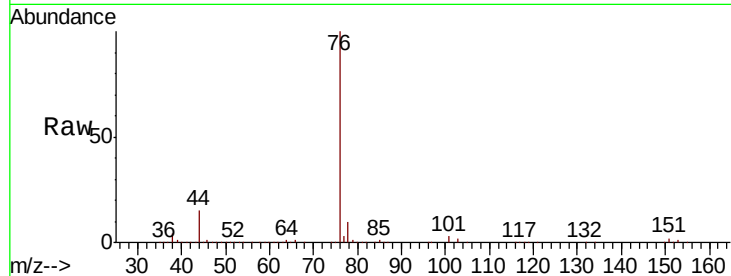
Tot Ion: 76 Resp: 922113

Ion Ratio Lower Upper

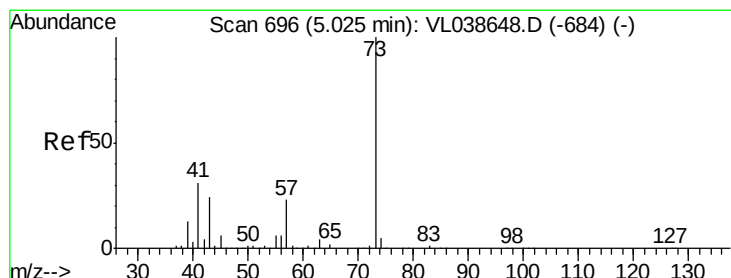
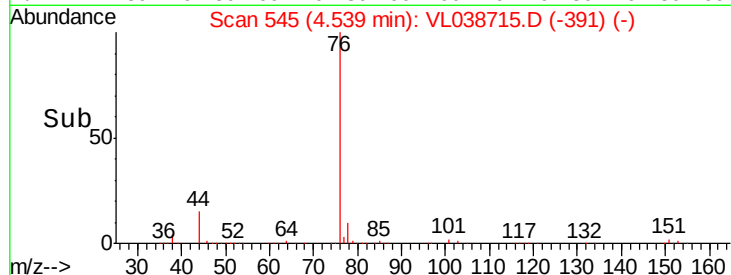
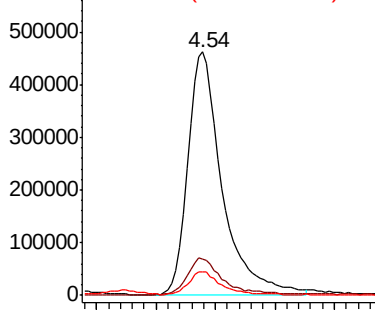
76 100

44 15.6 12.4 18.6

78 10.2 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: 11.841 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL038715.D

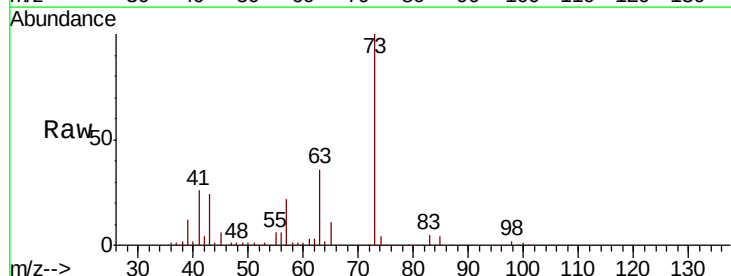
Acq: 23 Mar 2022 14:04

Tgt Ion: 73 Resp: 677821

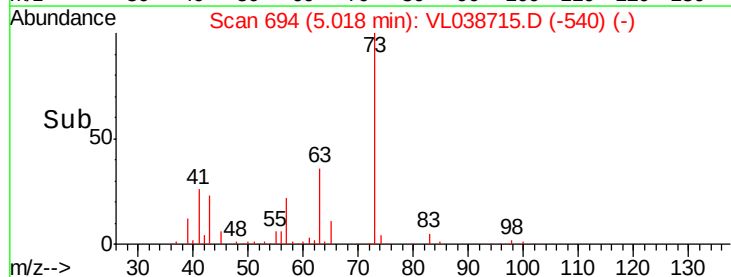
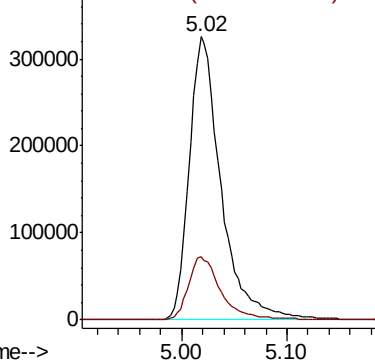
Ion Ratio Lower Upper

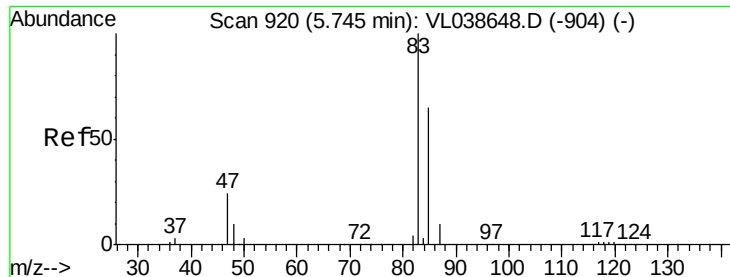
73 100

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: 10.248 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

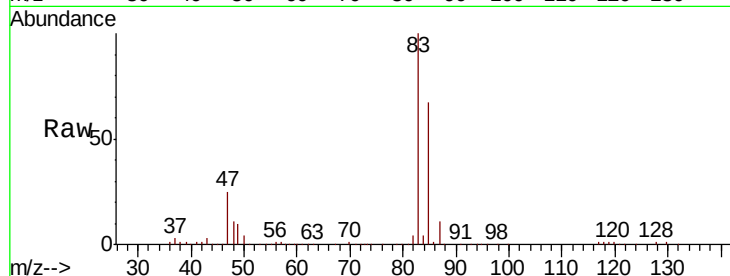
Acq: 23 Mar 2022 14:04

Tot Ion: 83 Resp: 1260938

Ion Ratio Lower Upper

83 100

85 67.0 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

600000

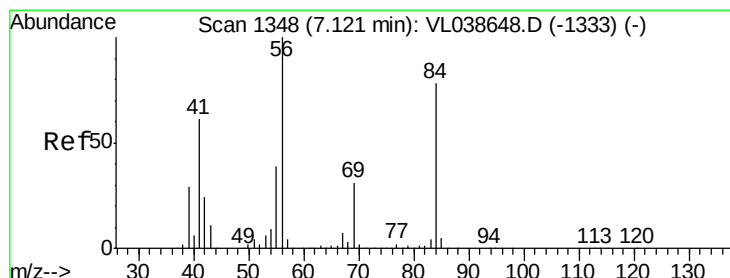
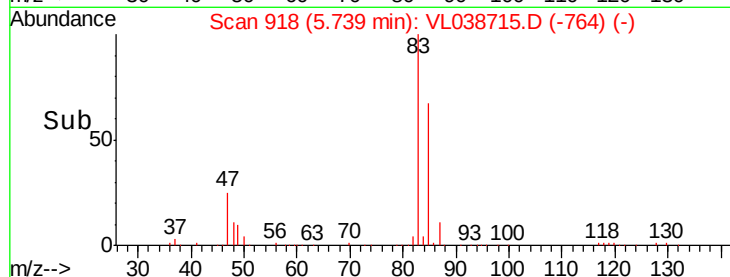
400000

200000

0

5.70 5.80

Time-->



#30

Cyclohexane

Concen: 10.129 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. -0.01 min

Lab File: VL038715.D

Acq: 23 Mar 2022 14:04

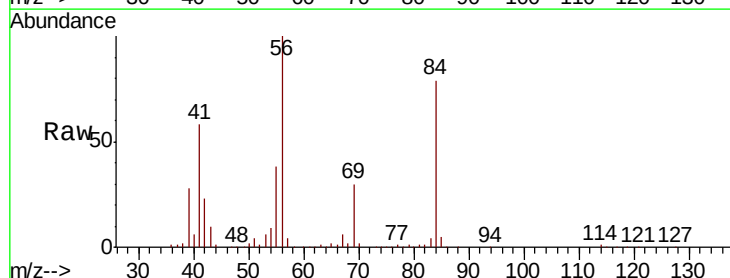
Tgt Ion: 84 Resp: 676791

Ion Ratio Lower Upper

84 100

56 132.2 108.2 162.4

41 75.3 61.8 92.6



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

500000

400000

300000

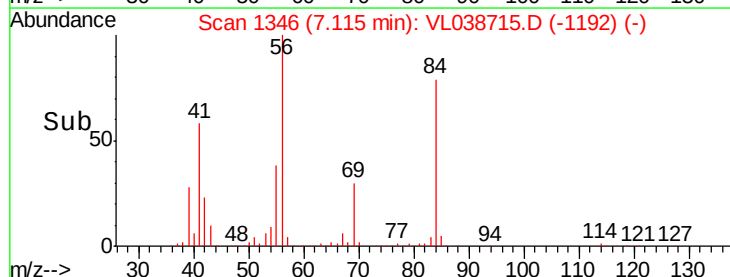
200000

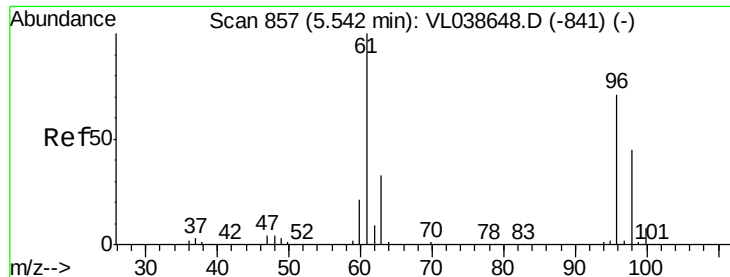
100000

0

7.00 7.10 7.20

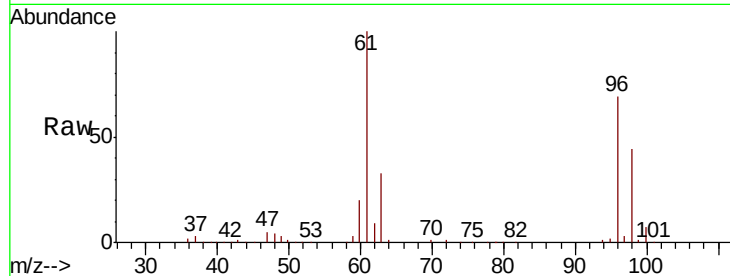
Time-->





#31
 cis-1,2-Dichloroethene
 Concen: 10.784 ppbv
 RT: 5.53
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 14:04

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.0	56.6	84.8
98	44.2	36.3	54.5

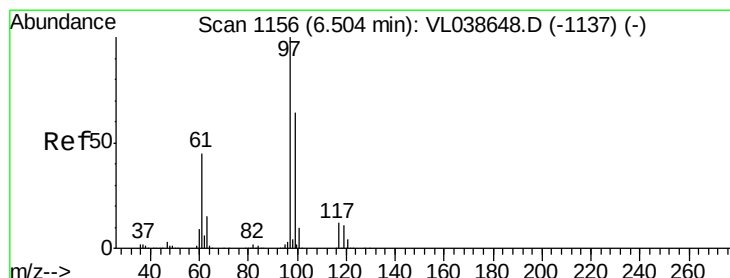
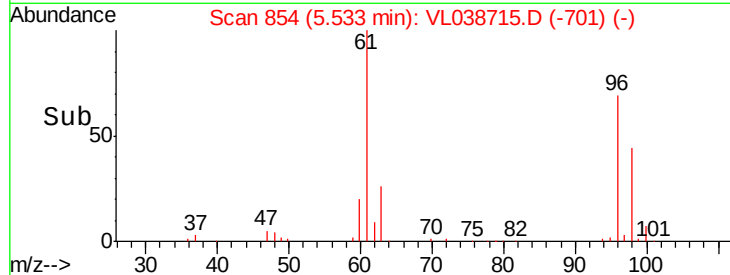
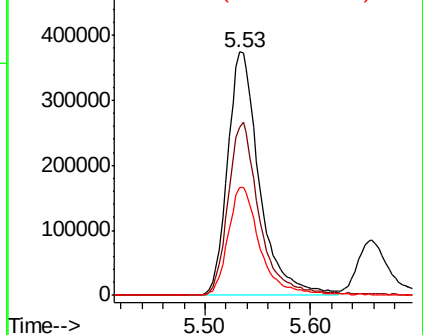


Abundance

Ion 61.10 (60.80 to 61.80): VL0

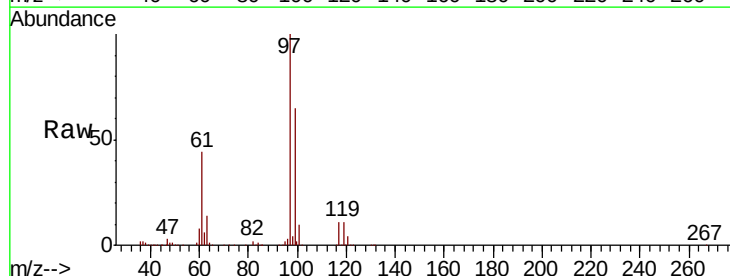
Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32
 1,1,1-Trichloroethane
 Concen: 10.551 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	44.7	36.7	55.1

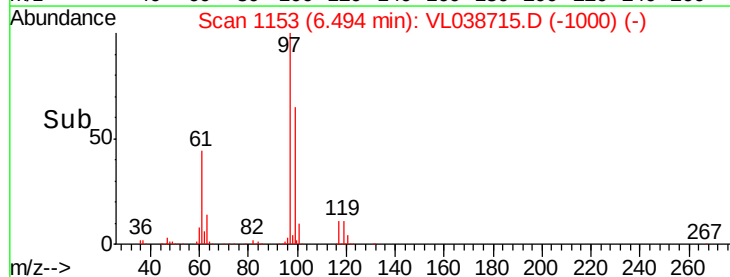
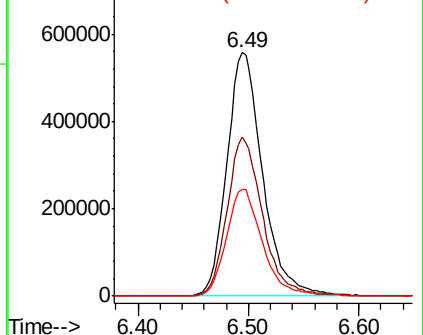


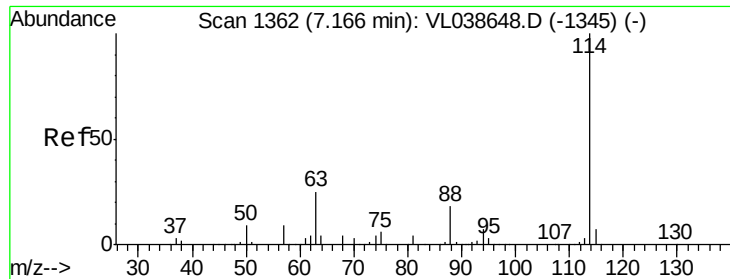
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 14:04

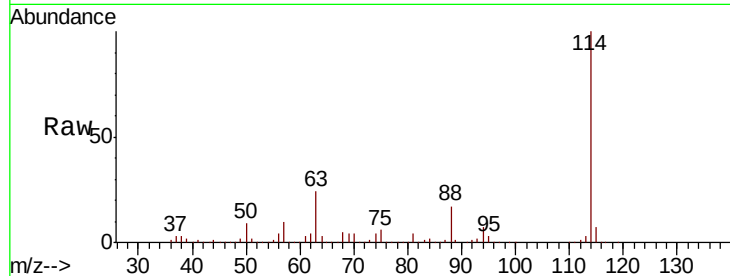
Tot Ion:114 Resp: 2145412

Ion Ratio Lower Upper

114 100

63 23.9 19.4 29.0

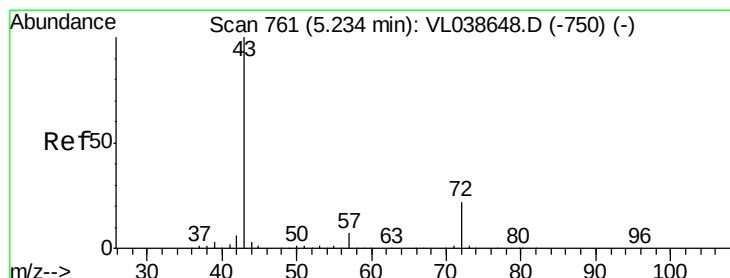
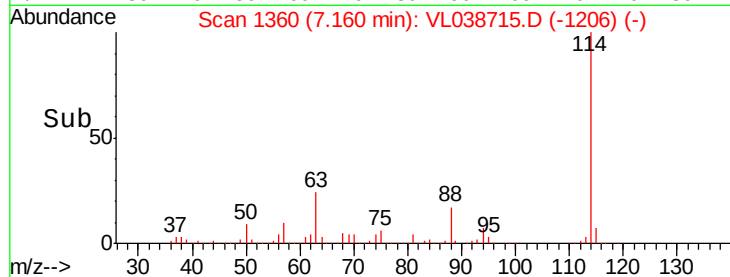
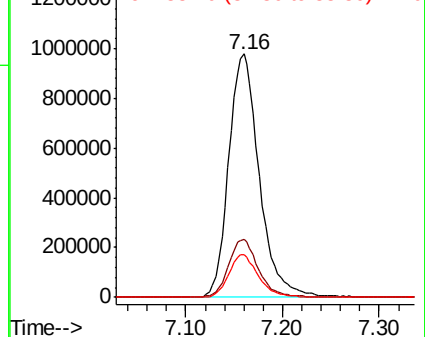
88 17.1 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.628 ppbv

RT: 5.23 min Scan# 759

Delta R.T. -0.01 min

Lab File: VL038715.D

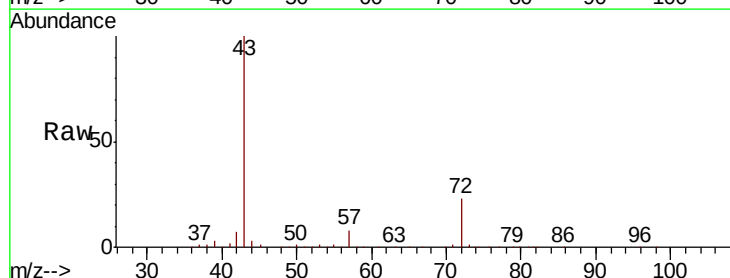
Acq: 23 Mar 2022 14:04

Tgt Ion: 43 Resp: 817588

Ion Ratio Lower Upper

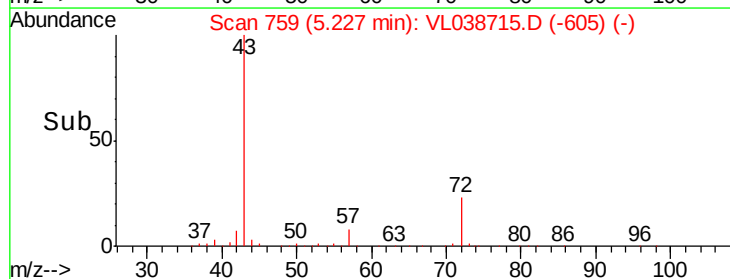
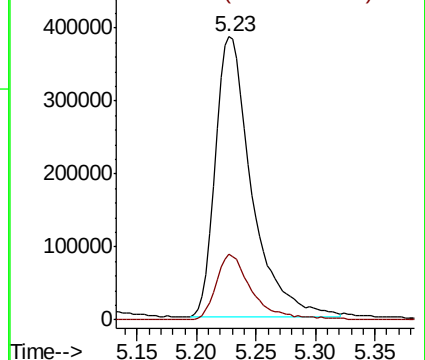
43 100

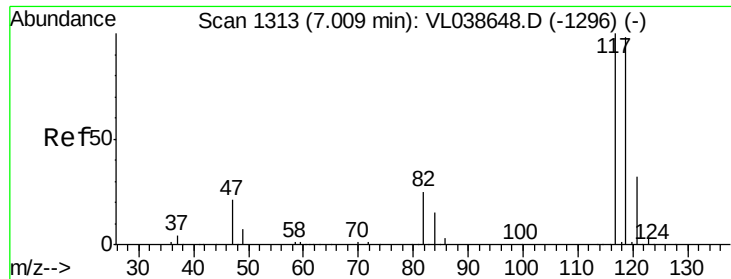
72 23.3 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

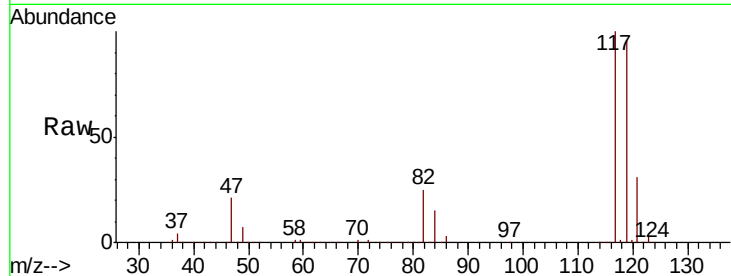
Ion 72.10 (71.80 to 72.80): VL0



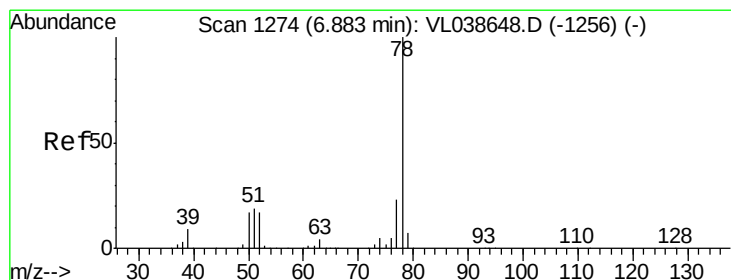
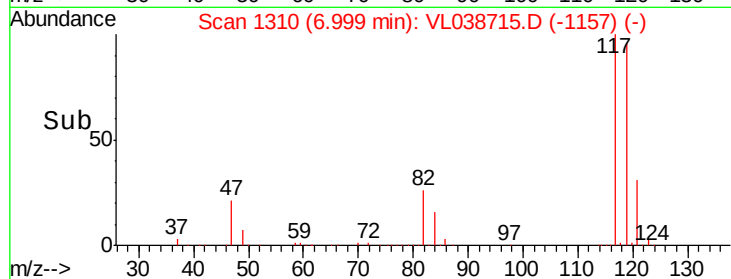
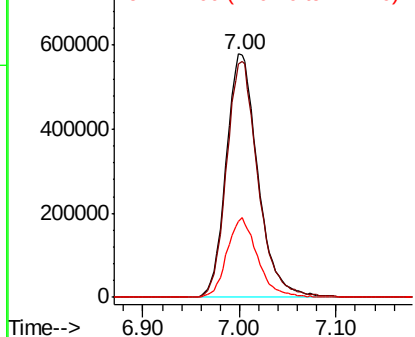


#35
Carbon Tetrachloride
Concen: 10.588 ppbv
RT: 7.00
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 23 Mar 2022 14:04

Tot Ion:117 Resp: 1318028
Ion Ratio Lower Upper
117 100
119 95.9 78.1 117.1
121 31.1 25.8 38.6

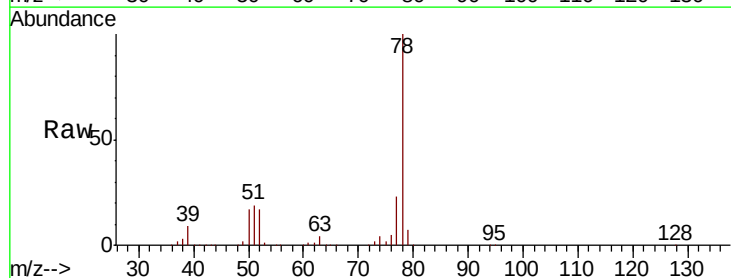


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

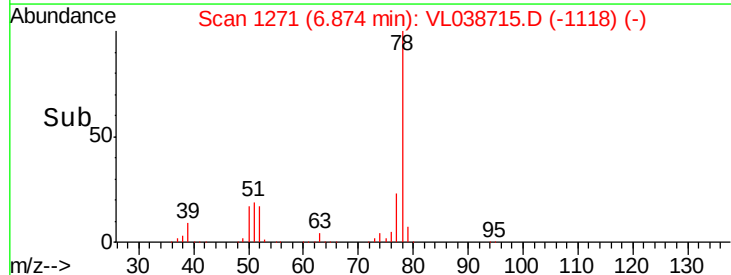
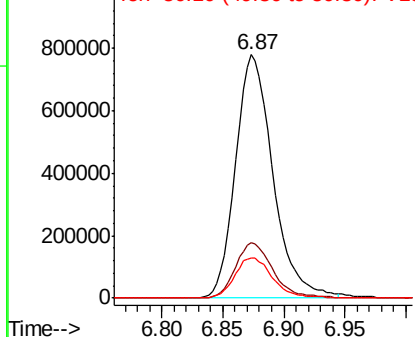


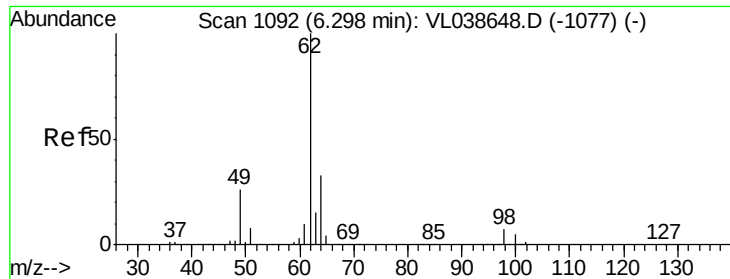
#36
Benzene
Concen: 9.986 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 78 Resp: 1653460
Ion Ratio Lower Upper
78 100
77 22.9 18.1 27.1
50 16.7 13.6 20.4



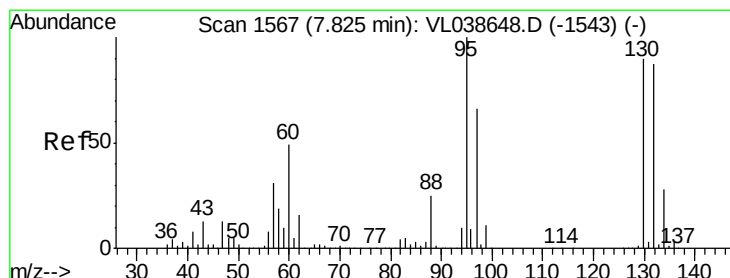
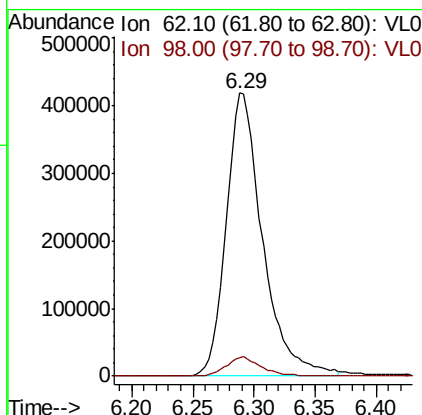
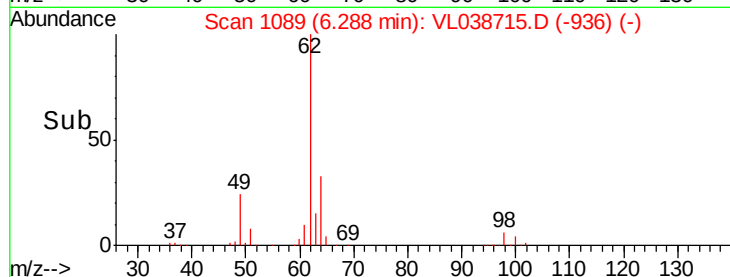
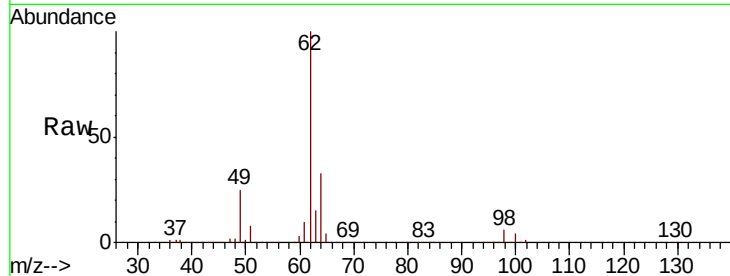
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





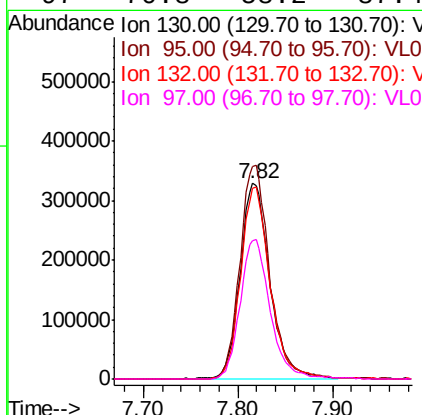
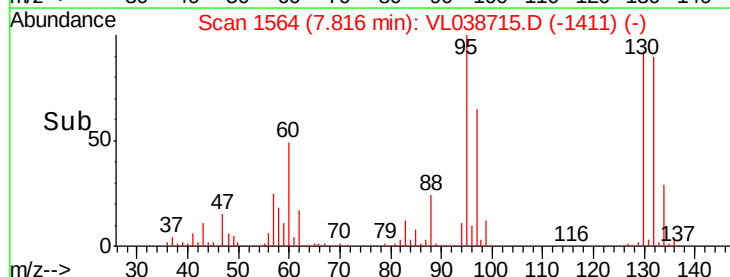
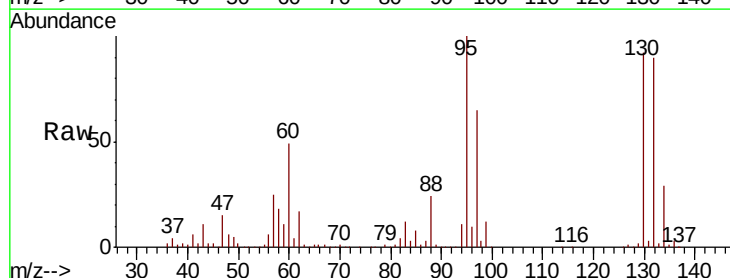
#37
 1,2-Dichloroethane
 Concen: 10.352 ppbv
 RT: 6.29
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 14:04

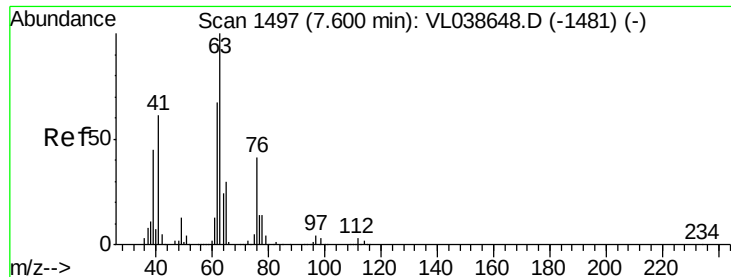
Tot Ion: 62 Resp: 871938
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.6 8.4



#38
 Trichloroethene
 Concen: 10.362 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T.: -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

Tgt Ion: 130 Resp: 718716
 Ion Ratio Lower Upper
 130 100
 95 108.7 88.9 133.3
 132 98.0 77.4 116.0
 97 70.8 58.2 87.4





#39

1,2-Dichloropropane

Concen: 9.806 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 14:04

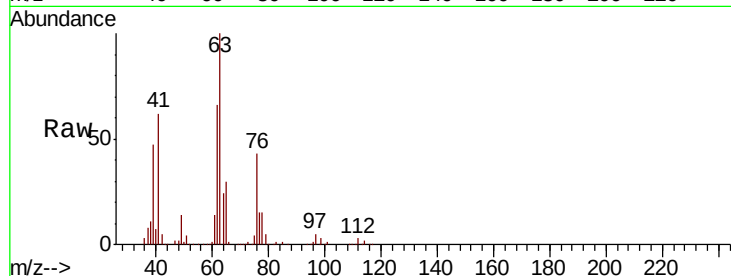
Tot Ion: 63 Resp: 634771

Ion Ratio Lower Upper

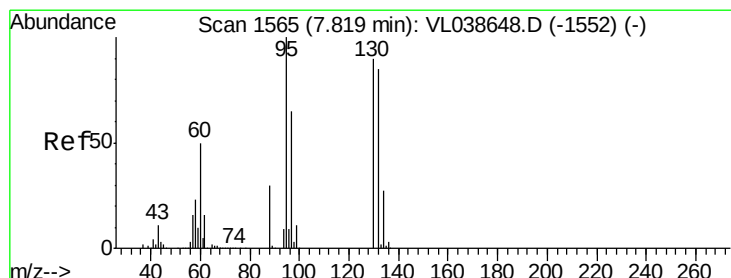
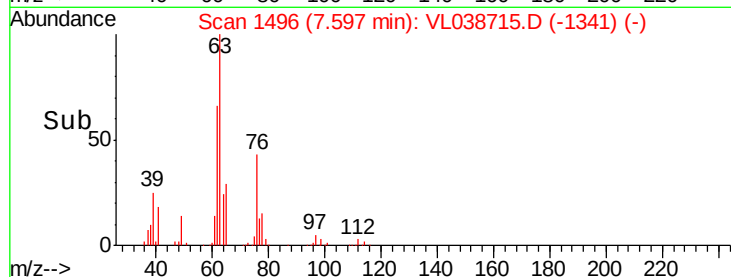
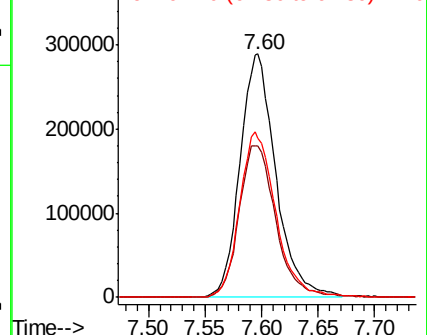
63 100

41 62.2 49.0 73.6

62 65.6 53.9 80.9



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: 10.108 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL038715.D

Acq: 23 Mar 2022 14:04

Tgt Ion: 88 Resp: 227213

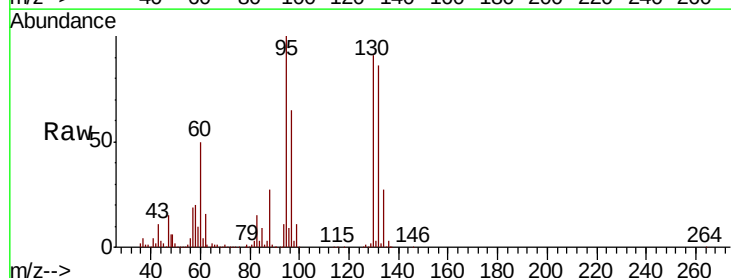
Ion Ratio Lower Upper

88 100

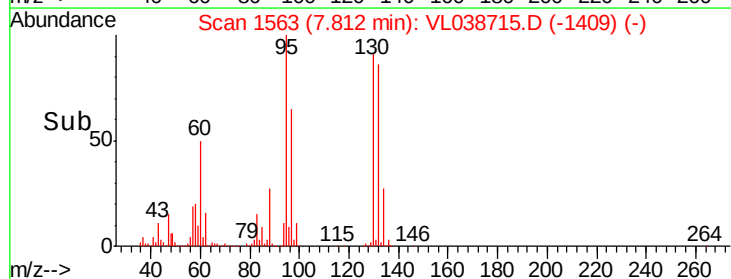
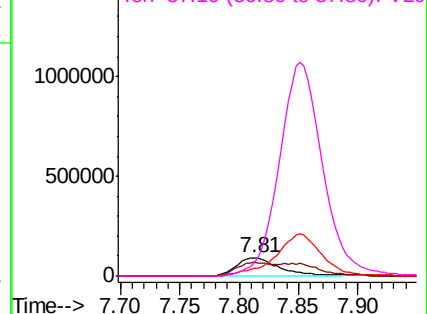
58 129.4 105.6 158.4

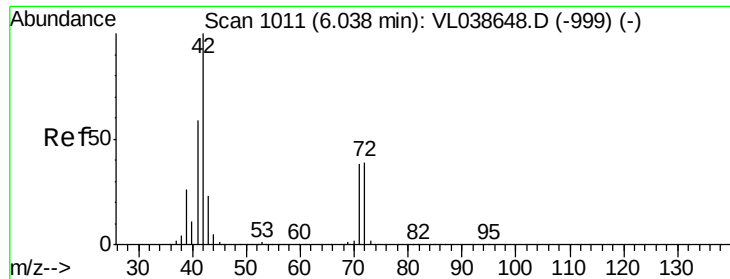
43 249.4 201.9 302.9

57 1192.9 942.1 1413.1



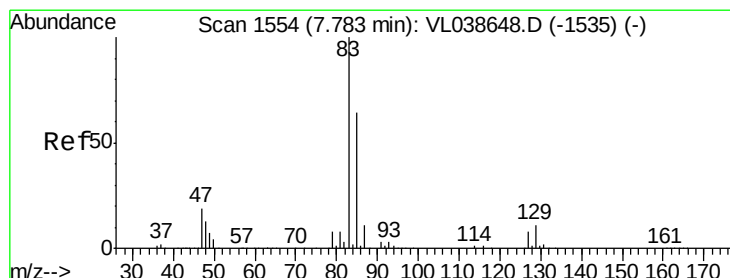
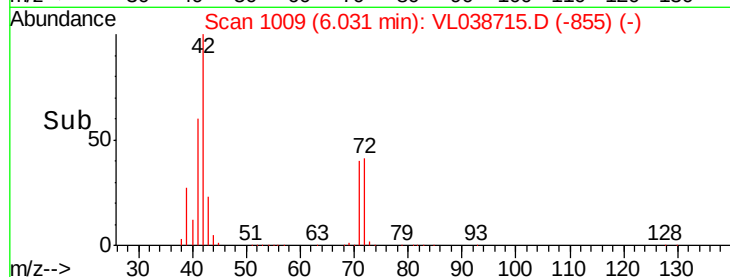
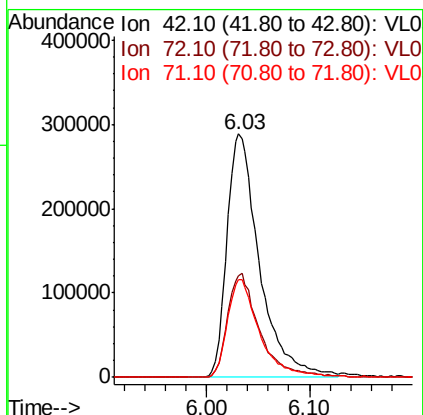
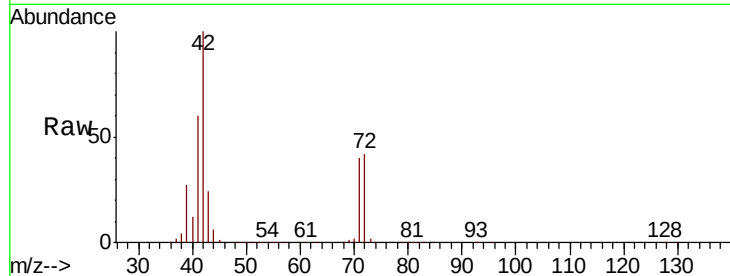
Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





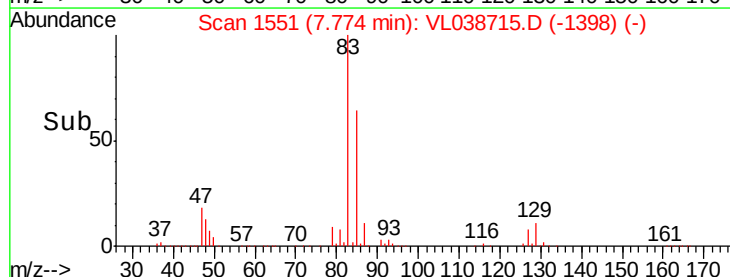
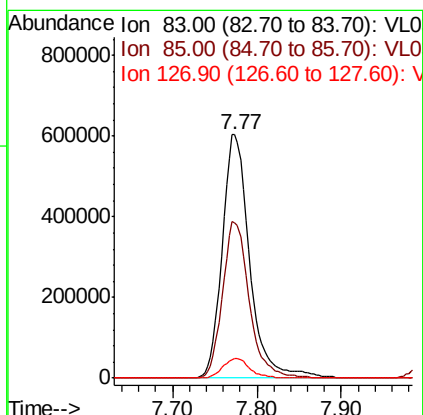
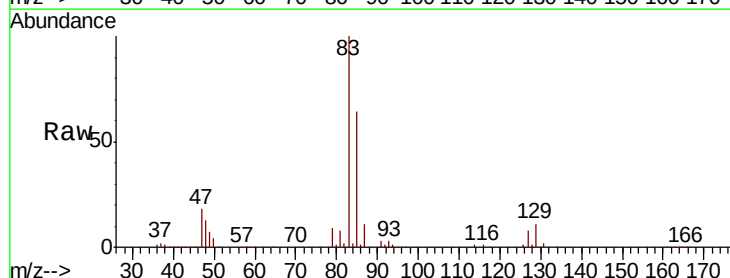
#41
Tetrahydrofuran
Concen: 10.048 ppbv
RT: 6.03
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 14:04

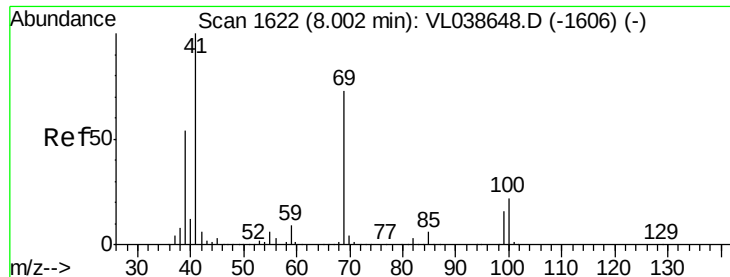
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.5	48.7
71	40.1	31.4	47.2



#42
Bromodichloromethane
Concen: 10.821 ppbv
RT: 7.77 min Scan# 1551
Delta R.T.: -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

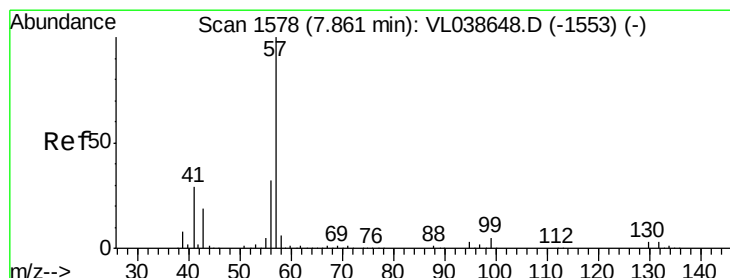
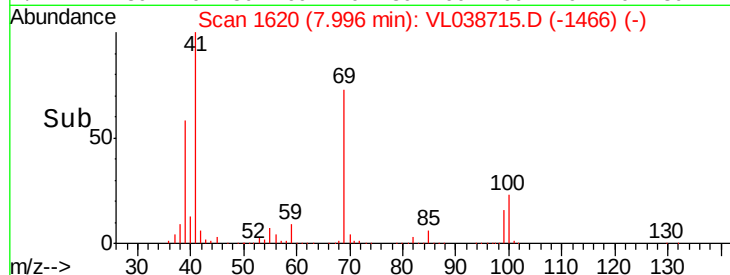
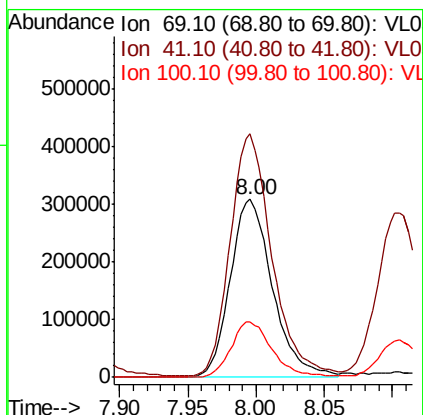
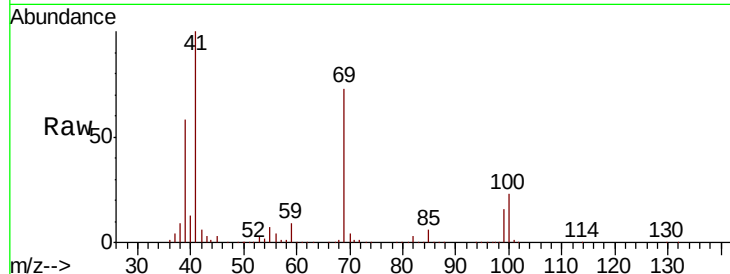
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	8.3	6.5	9.7





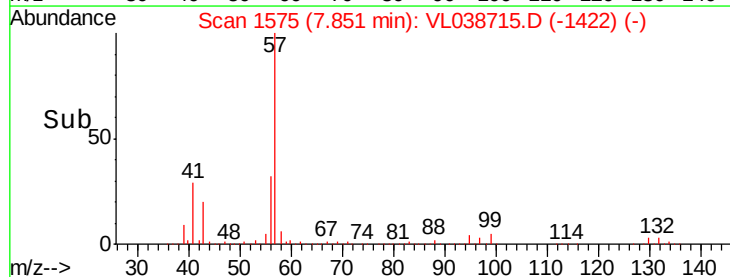
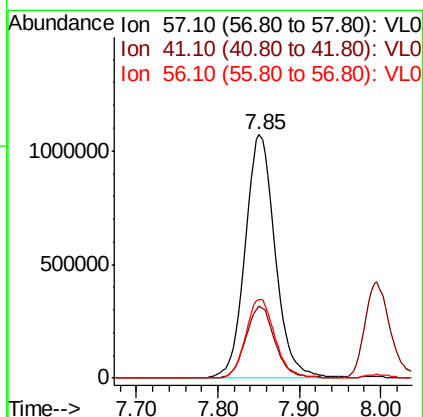
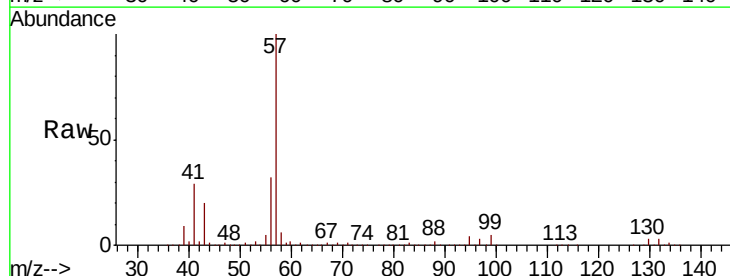
#43
Methvl Methacrylate
Concen: 10.774 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 14:04

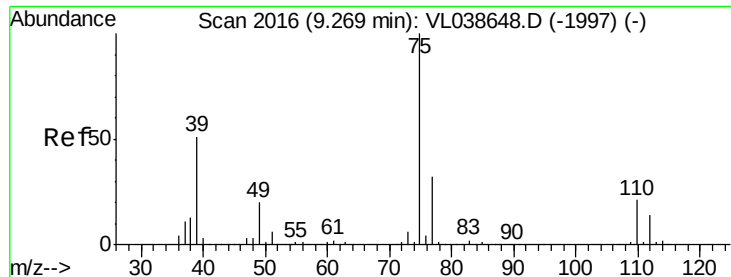
Tot Ion	69	Resp	662314
Ion Ratio	Lower	Upper	
69	100		
41	136.1	110.3	165.5
100	30.7	24.8	37.2



#44
2,2,4-Trimethylpentane
Concen: 9.732 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

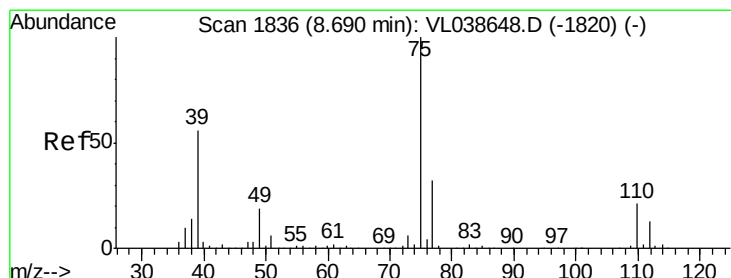
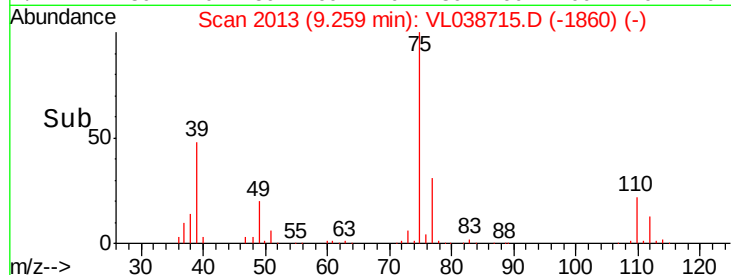
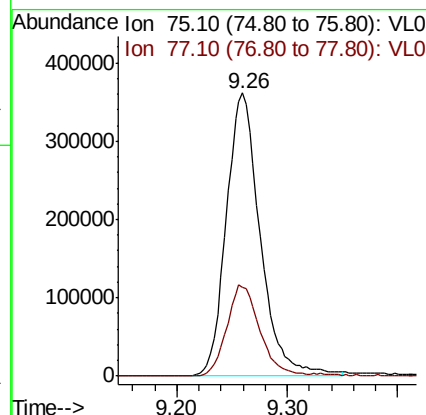
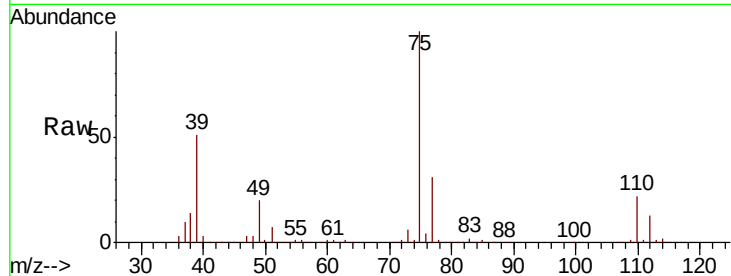
Tgt Ion	57	Resp	2705711
Ion Ratio	Lower	Upper	
57	100		
41	28.8	23.0	34.4
56	31.6	25.3	37.9





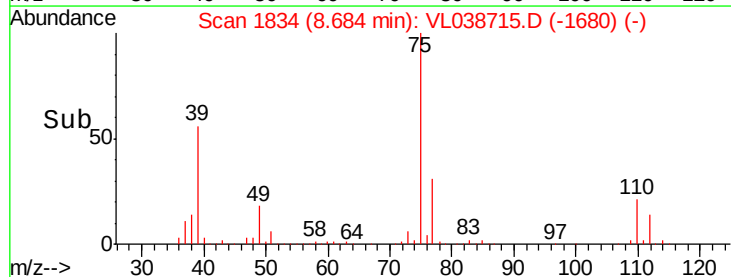
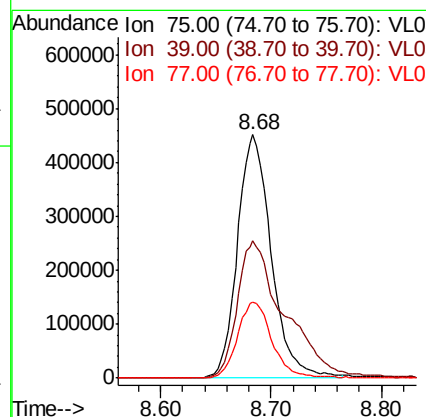
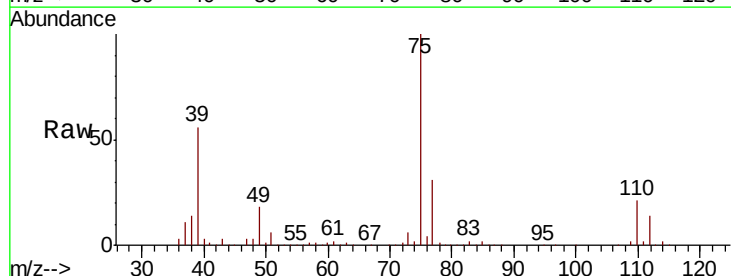
#45
 t-1,3-Dichloropropene
 Concen: 12.373 ppbv
 RT: 9.26 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 14:04

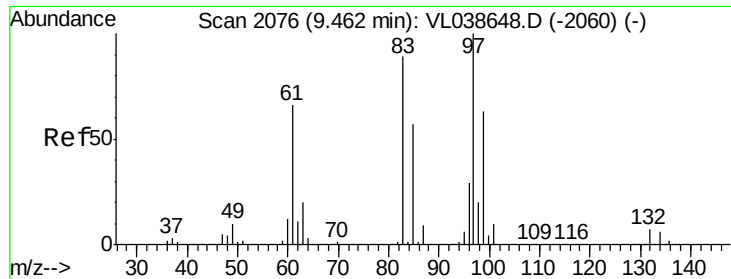
Tot Ion: 75 Resp: 773362
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.339 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

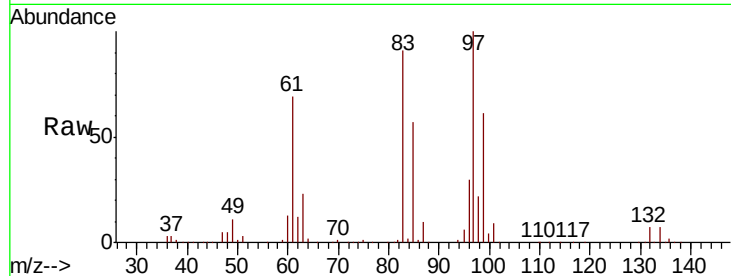
Tgt Ion: 75 Resp: 958320
 Ion Ratio Lower Upper
 75 100
 39 56.1 44.8 67.2
 77 31.4 25.4 38.0





#47
 1,1,2-Trichloroethane
 Concen: 9.701 ppbv
 RT: 9.46
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 14:04

Tot Ion:	97	Resp:	670433
Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.2	106.8
85	57.1	45.3	67.9
99	61.0	50.6	76.0



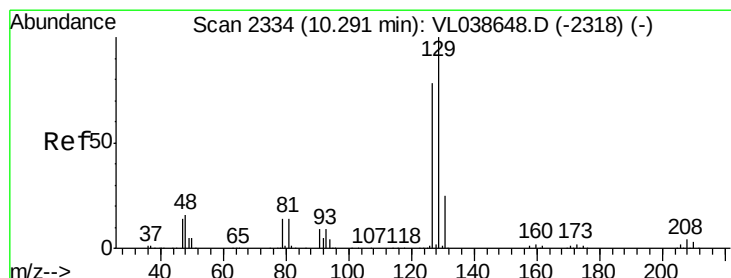
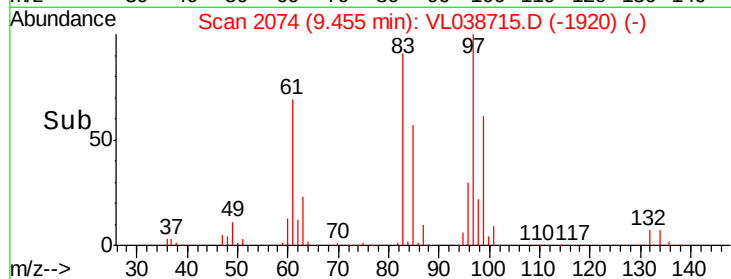
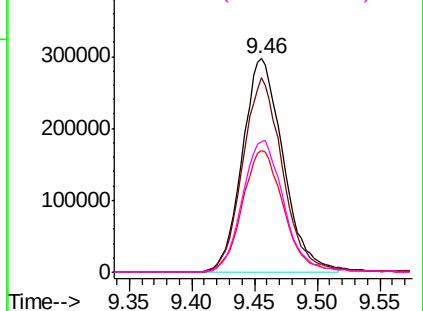
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

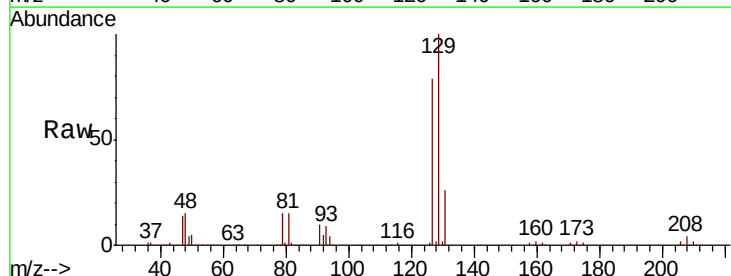
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.942 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T.: -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

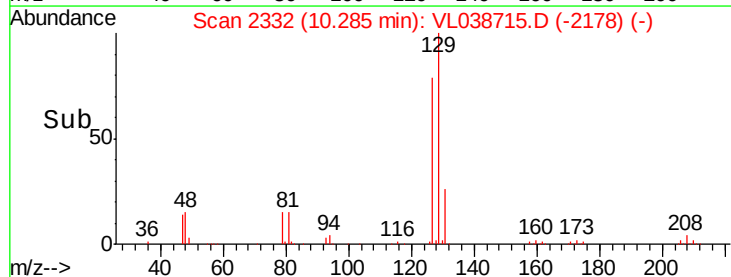
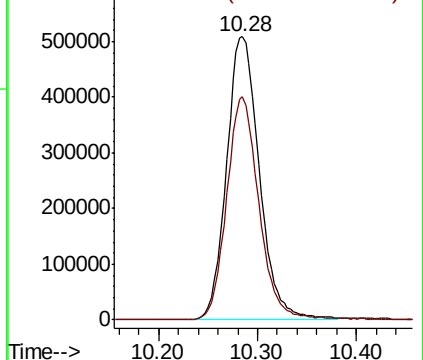
Tgt Ion:	129	Resp:	1184473
Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.5	118.5

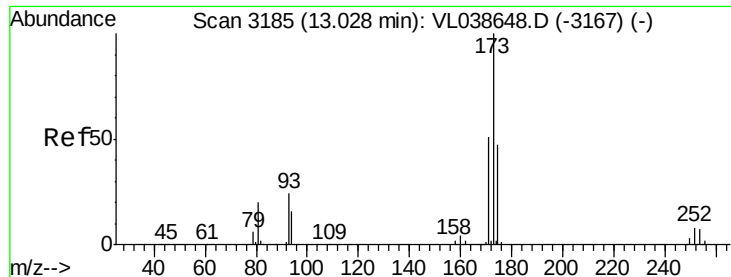


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.613 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File:

Acq: 23 Mar 2022 14:04

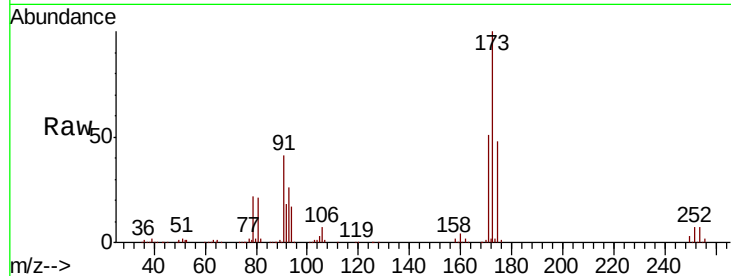
Tot Ion: 173 Resp: 936395

Ion Ratio Lower Upper

173 100

175 51.0 41.0 61.6

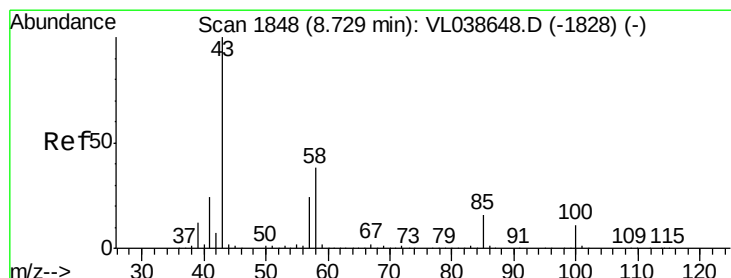
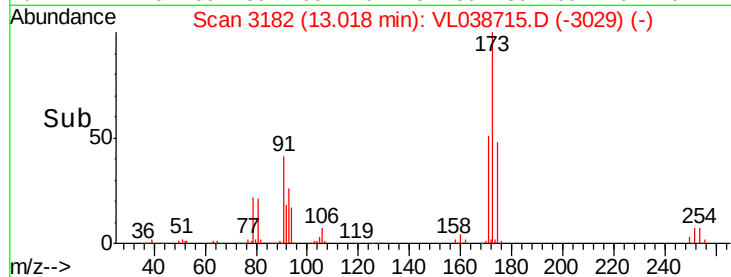
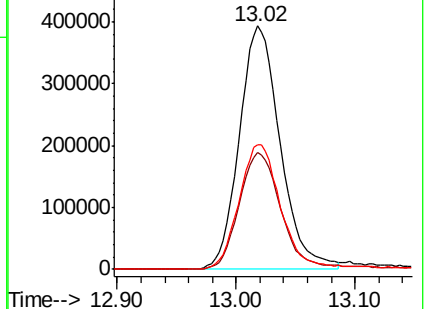
171 54.3 43.1 64.7



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: 10.156 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL038715.D

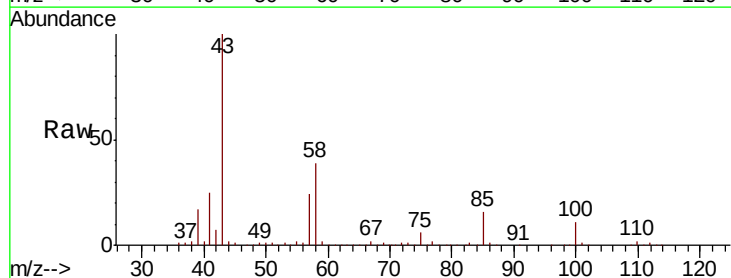
Acq: 23 Mar 2022 14:04

Tgt Ion: 43 Resp: 1603343

Ion Ratio Lower Upper

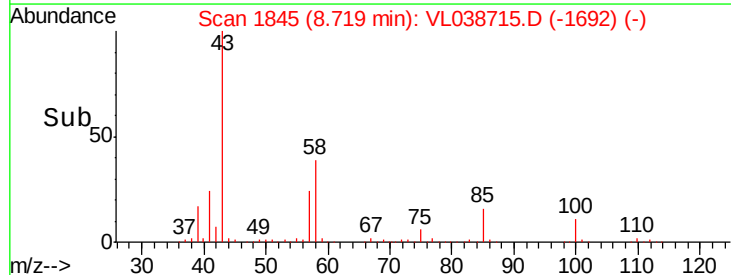
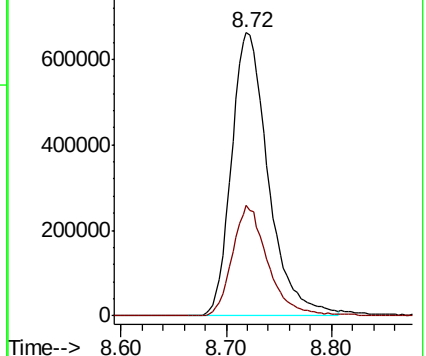
43 100

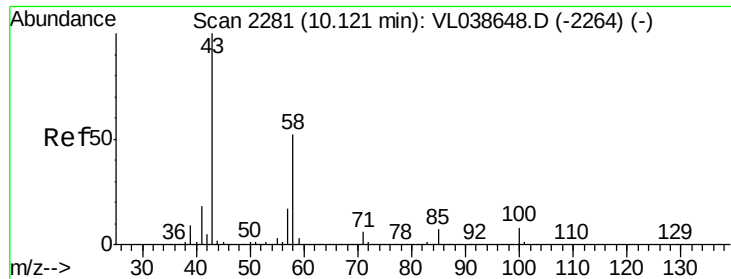
58 37.8 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

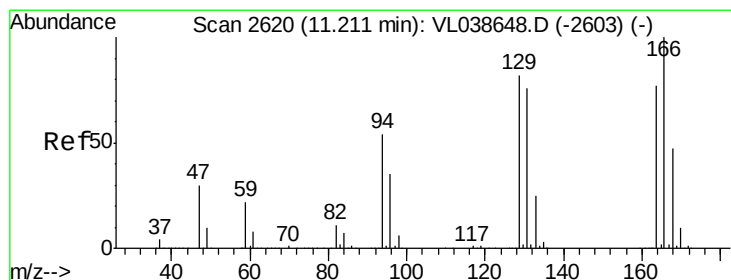
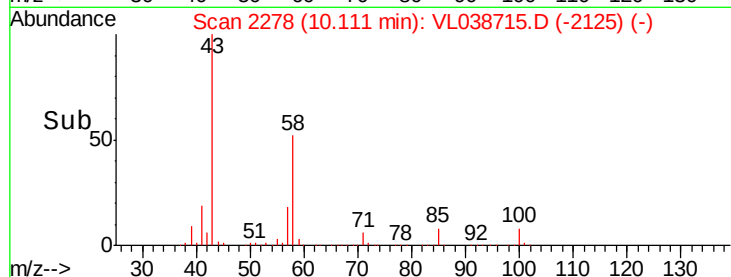
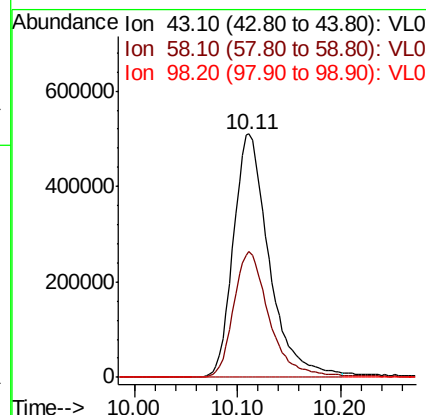
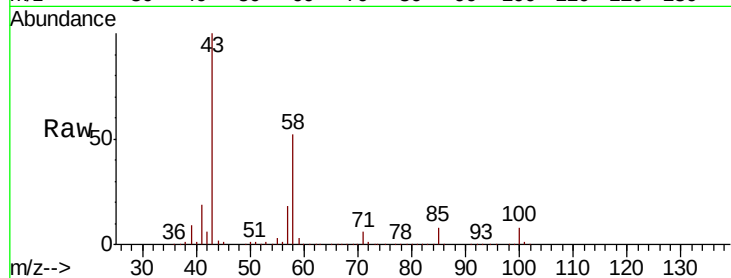




#51
2-Hexanone
Concen: 10.872 ppbv
RT: 10.11 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 14:04

Tot Ion: 43 Resp: 1232822

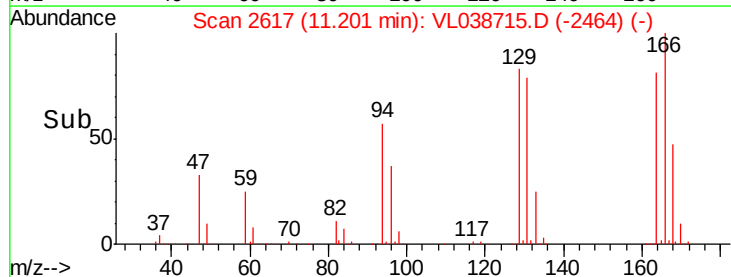
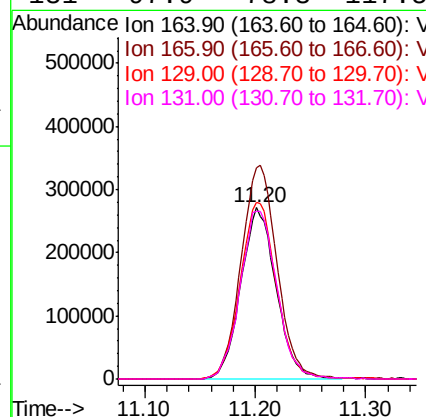
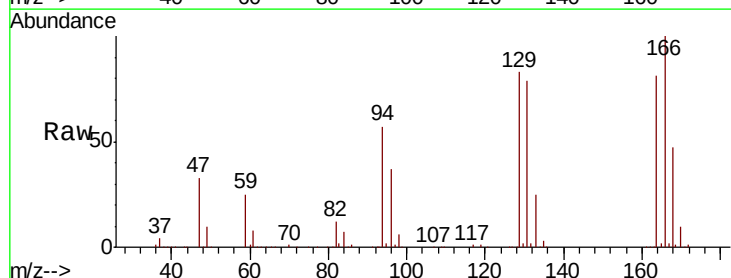
Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.2	61.8
98	0.3	0.2	0.4

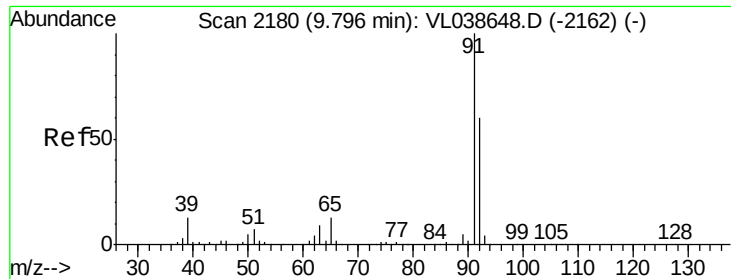


#52
Tetrachloroethene
Concen: 9.886 ppbv
RT: 11.20 min Scan# 2617
Delta R.T.: -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 164 Resp: 599010

Ion	Ratio	Lower	Upper
164	100		
166	123.6	103.3	154.9
129	103.1	85.2	127.8
131	97.9	78.3	117.5





#53

Toluene

Concen: 10.536 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

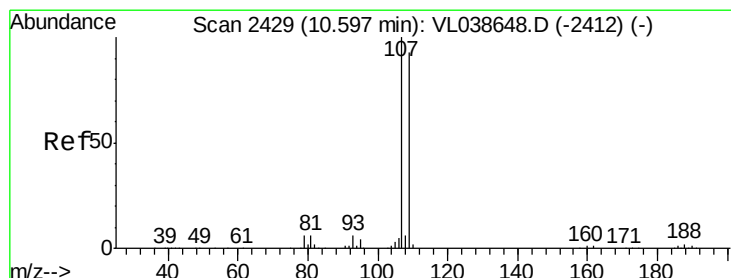
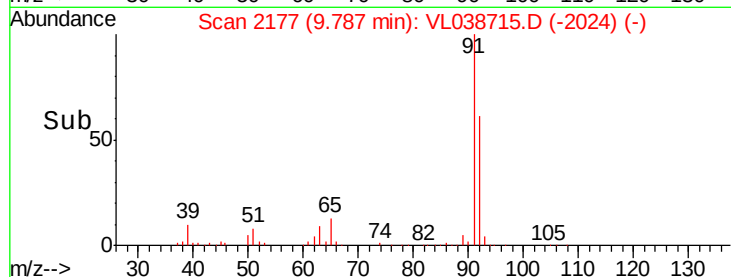
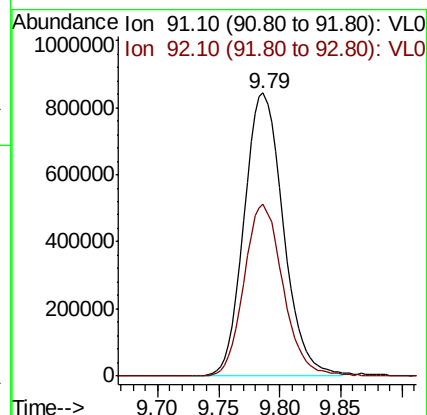
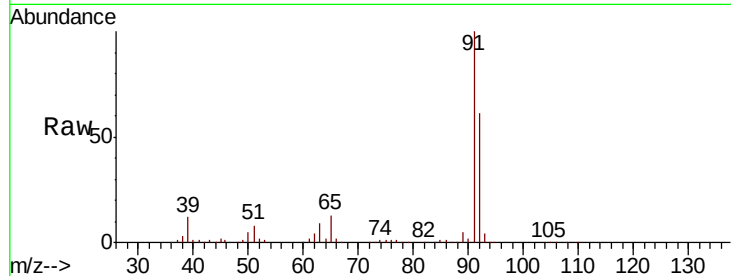
Acq: 23 Mar 2022 14:04

Tot Ion: 91 Resp: 1874577

Ion Ratio Lower Upper

91 100

92 60.6 48.7 73.1



#54

1,2-Dibromoethane

Concen: 10.479 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.01 min

Lab File: VL038715.D

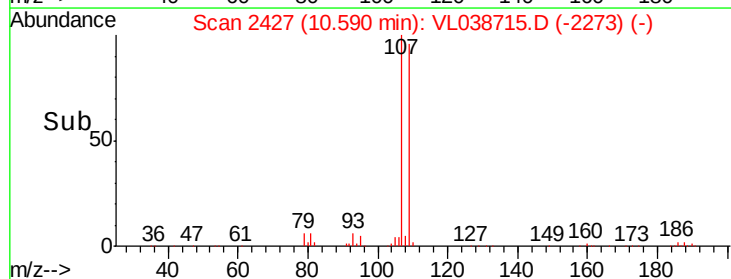
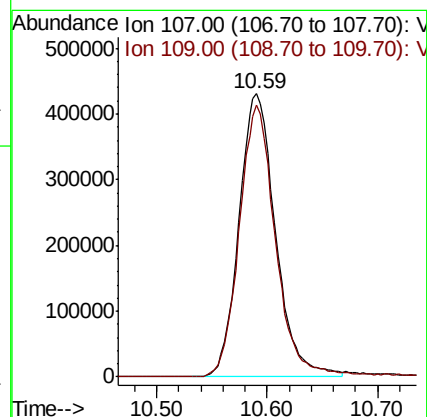
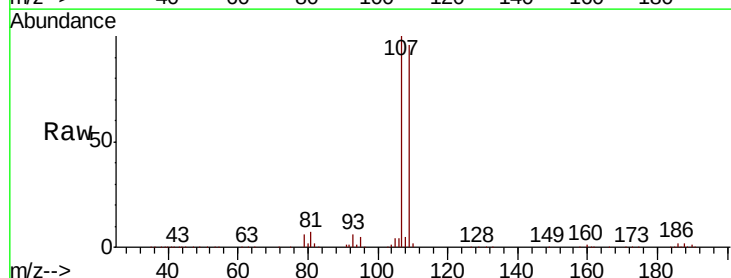
Acq: 23 Mar 2022 14:04

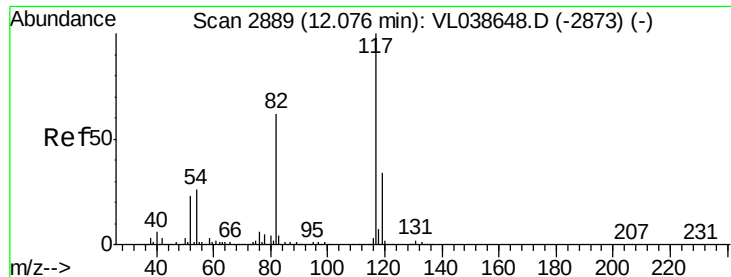
Tgt Ion: 107 Resp: 988846

Ion Ratio Lower Upper

107 100

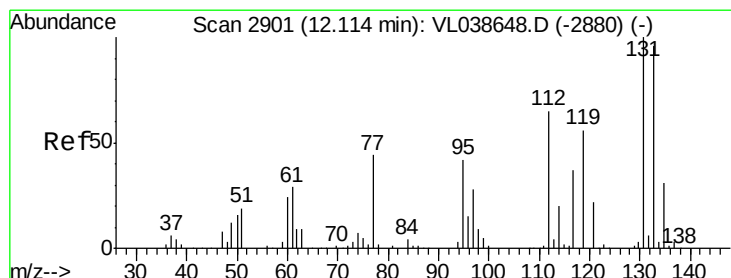
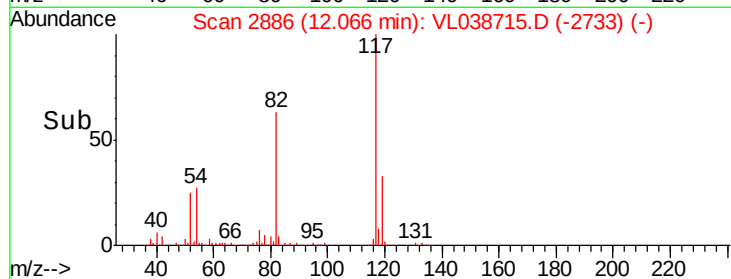
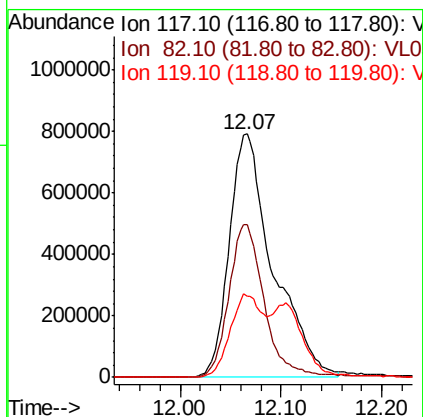
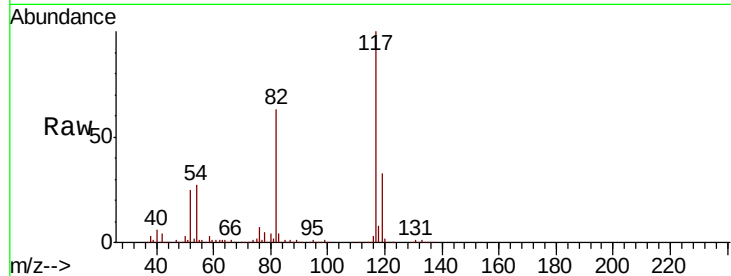
109 96.2 74.1 111.1





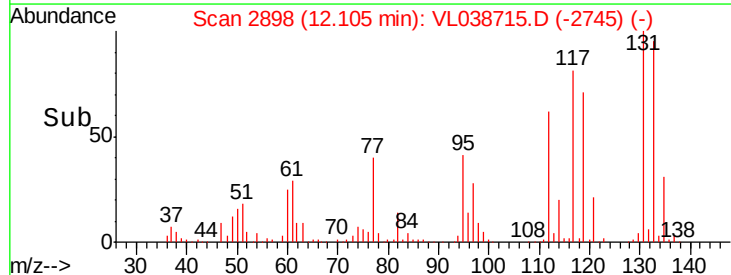
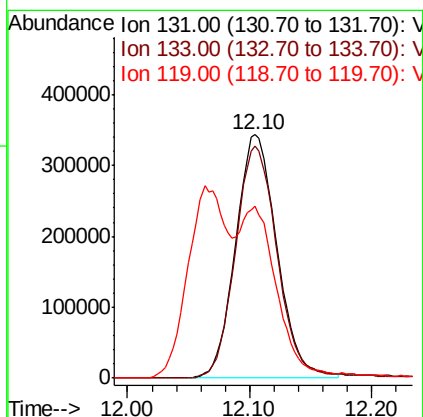
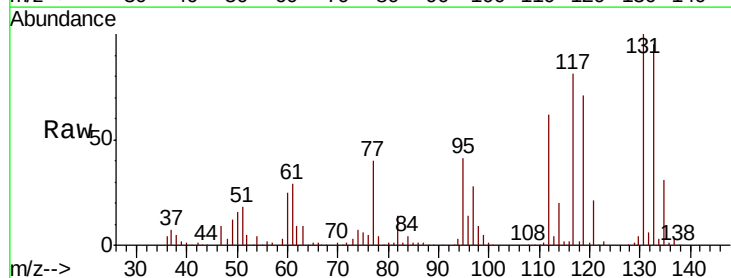
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 14:04

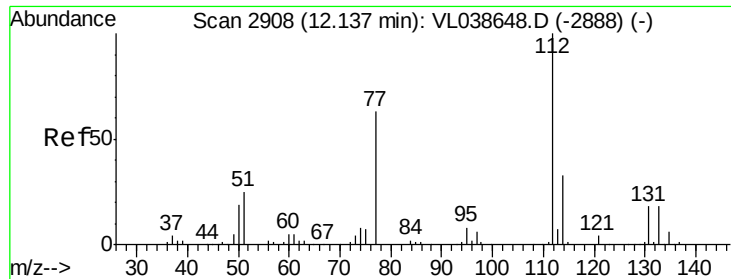
Tot Ion:117 Resp: 2390506
Ion Ratio Lower Upper
117 100
82 51.8 51.6 77.4
119 25.1 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.150 ppbv
RT: 12.10 min Scan# 2898
Delta R.T.: -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

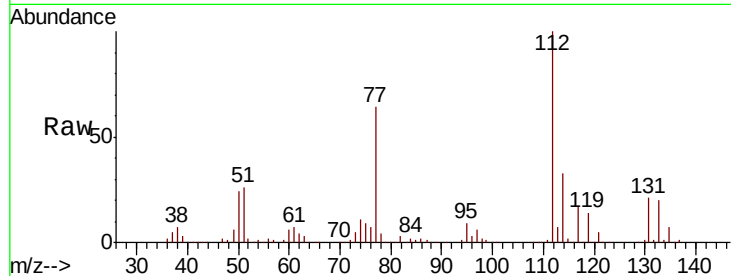
Tgt Ion:131 Resp: 807684
Ion Ratio Lower Upper
131 100
133 98.5 77.3 115.9
119 64.2 53.0 79.6



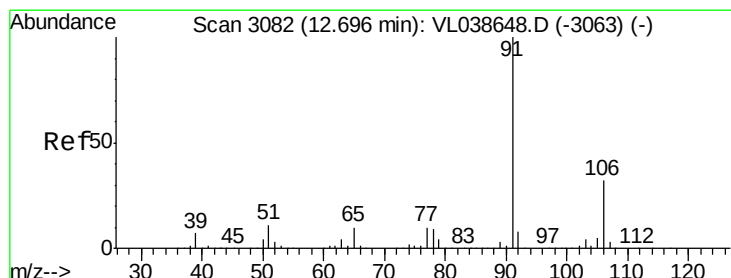
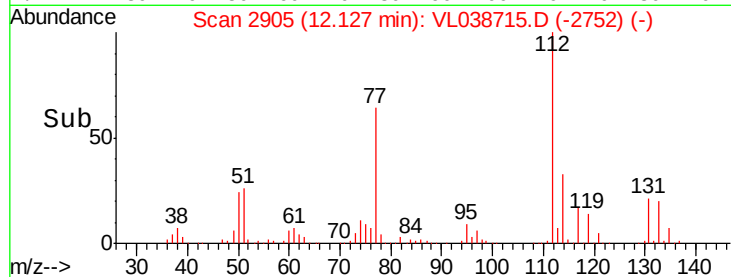
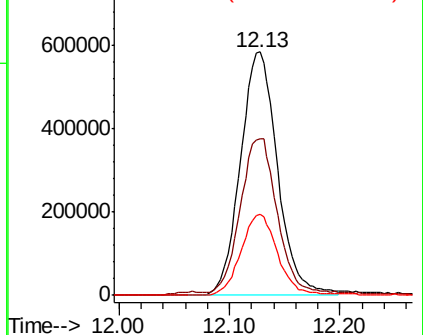


#57
Chlorobenzene
Concen: 7.908 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 14:04

Tot Ion: 112 Resp: 1363415
Ion Ratio Lower Upper
112 100
77 63.0 51.0 76.6
114 32.6 29.8 36.4

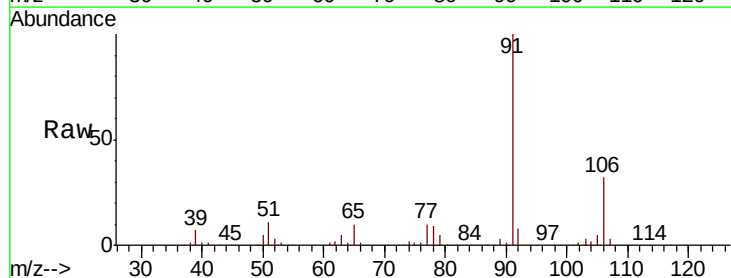


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

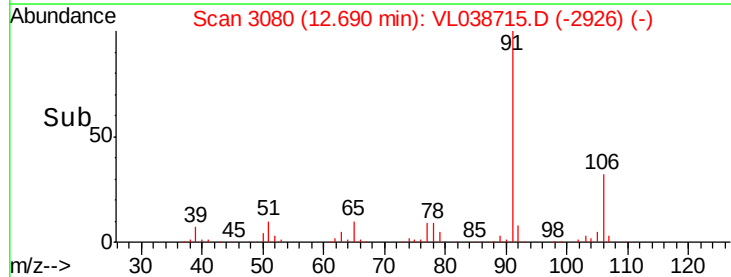
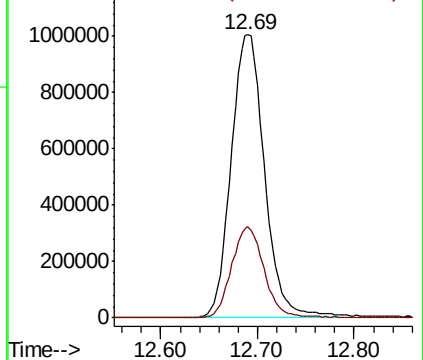


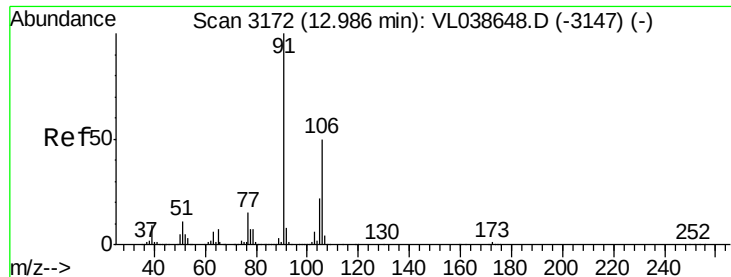
#58
Ethyl Benzene
Concen: 8.626 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 91 Resp: 2410737
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.0



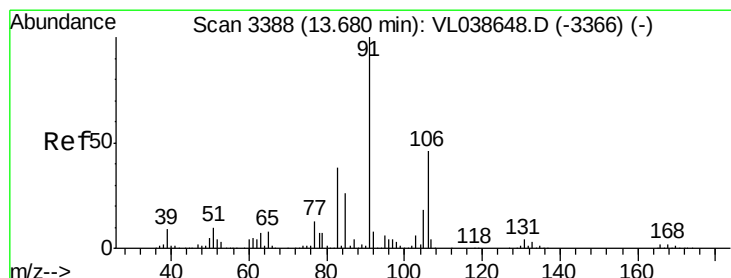
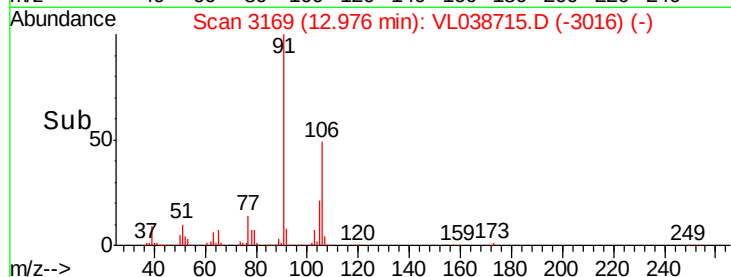
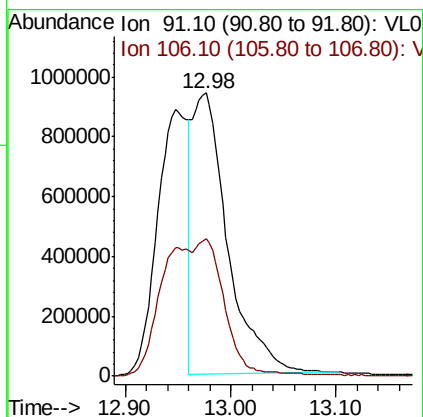
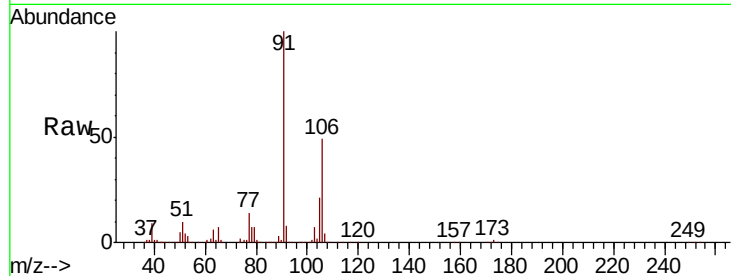
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





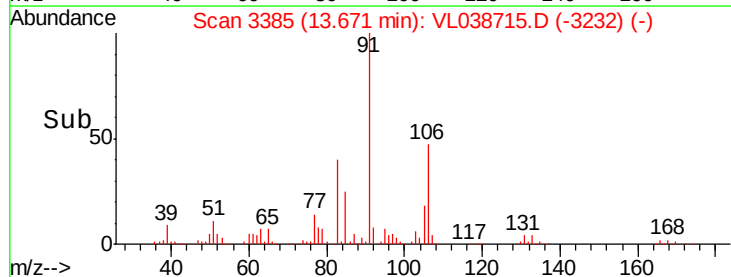
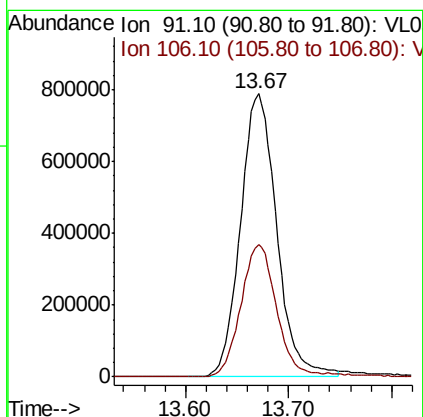
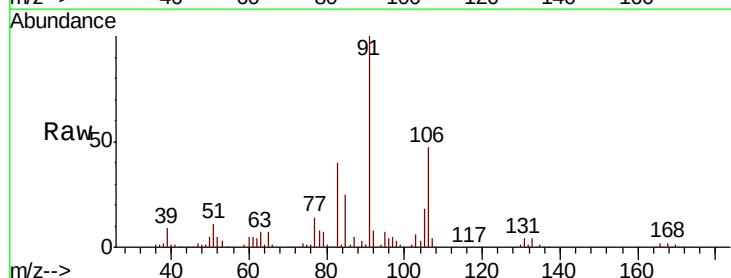
#59
m/p-Xylene
Concen: 8.933 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 14:04

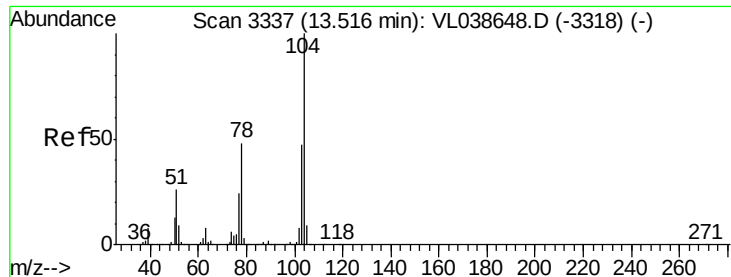
Tot Ion: 91 Resp: 2183692
Ion Ratio Lower Upper
91 100
106 86.0 37.2 55.8#



#60
o-Xylene
Concen: 8.284 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL038715.D
Acq: 23 Mar 2022 14:04

Tgt Ion: 91 Resp: 1922838
Ion Ratio Lower Upper
91 100
106 47.5 23.5 70.5





#61

Stvrene

Concen: 9.262 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File:

Acq: 23 Mar 2022 14:04

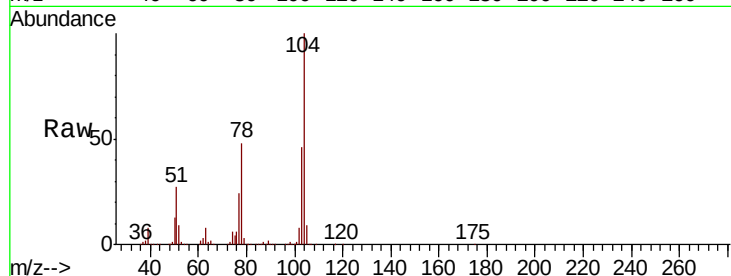
Tot Ion:104 Resp: 1165863

Ion Ratio Lower Upper

104 100

78 49.5 39.0 58.4

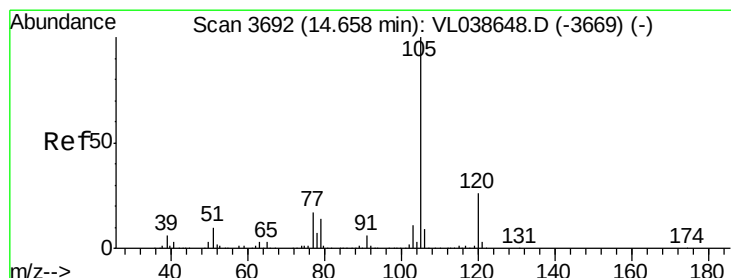
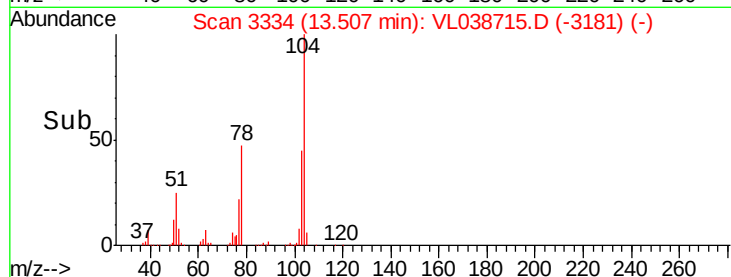
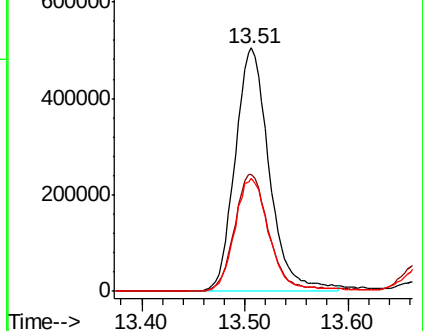
103 47.6 37.8 56.8



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: 8.212 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.01 min

Lab File: VL038715.D

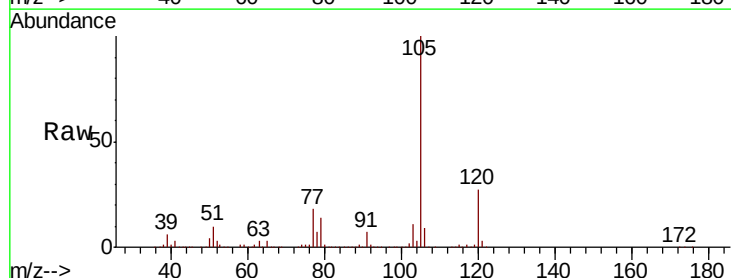
Acq: 23 Mar 2022 14:04

Tgt Ion:105 Resp: 2865409

Ion Ratio Lower Upper

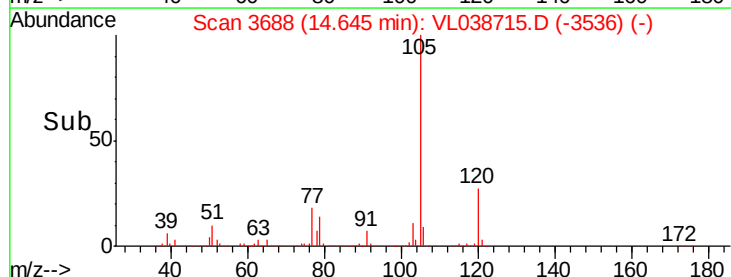
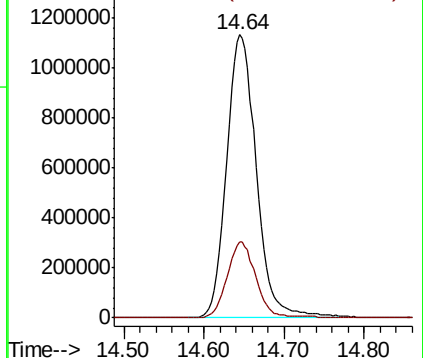
105 100

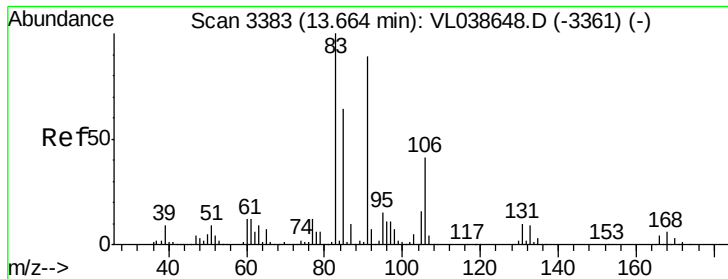
120 26.3 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

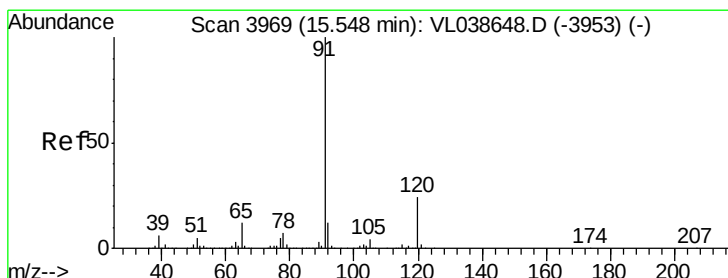
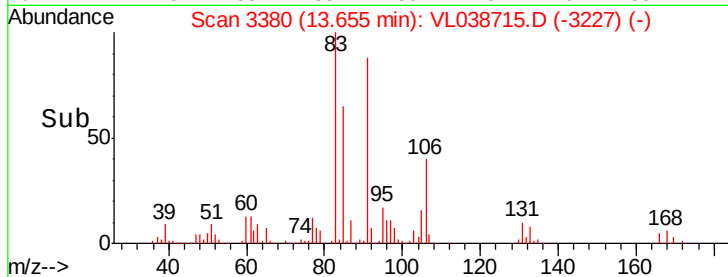
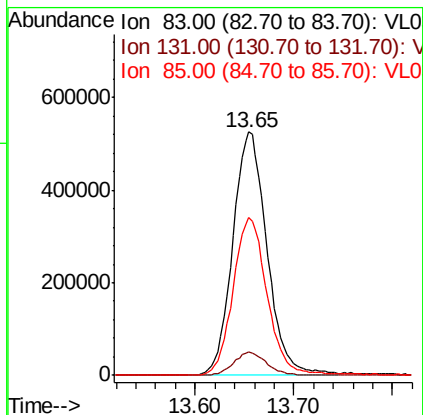
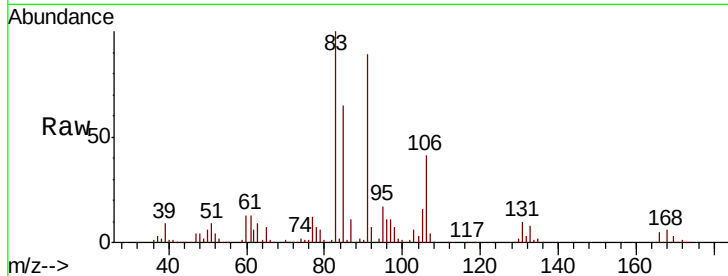
Ion 120.20 (119.90 to 120.90): V





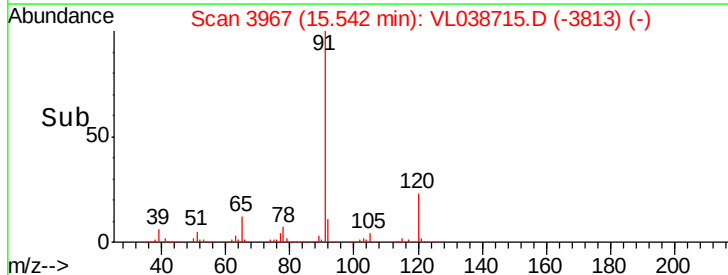
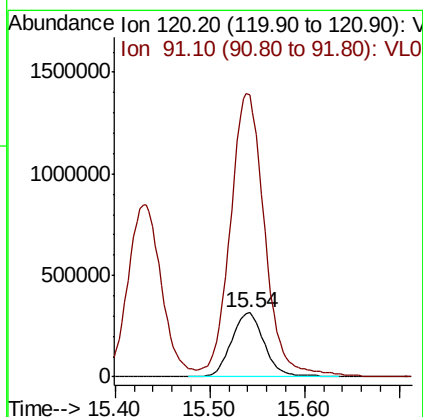
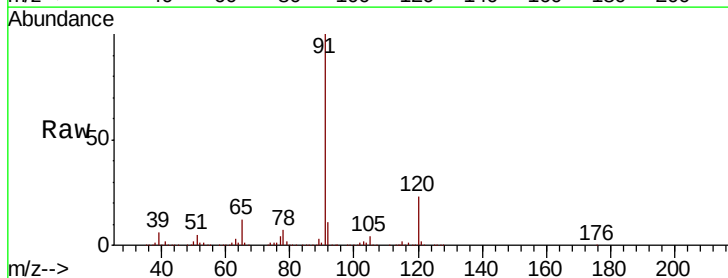
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.032 ppbv
 RT: 13.65 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 14:04

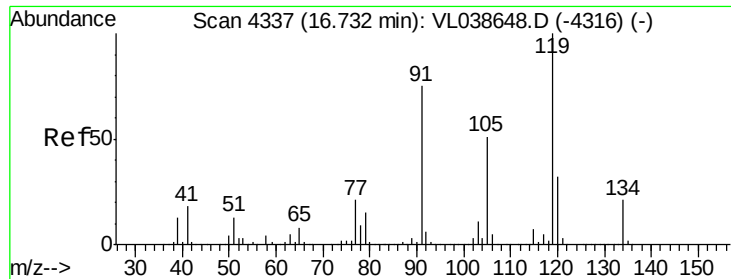
Tot Ion: 83 Resp: 1264323
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 65.6 32.6 97.8



#64
 n-propylbenzene
 Concen: 8.370 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T.: -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

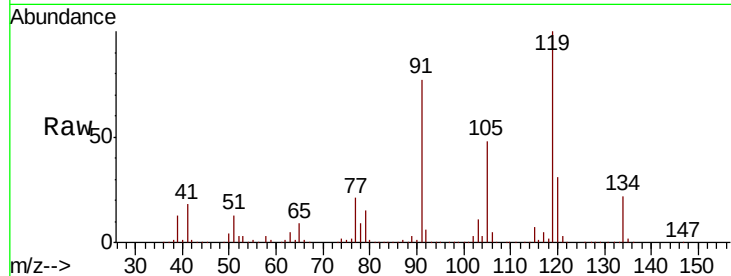
Tgt Ion: 120 Resp: 766376
 Ion Ratio Lower Upper
 120 100
 91 460.7 368.0 552.0



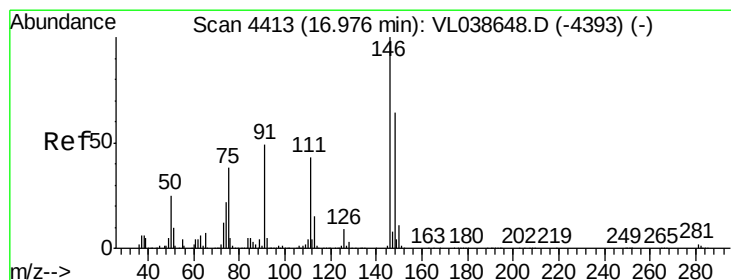
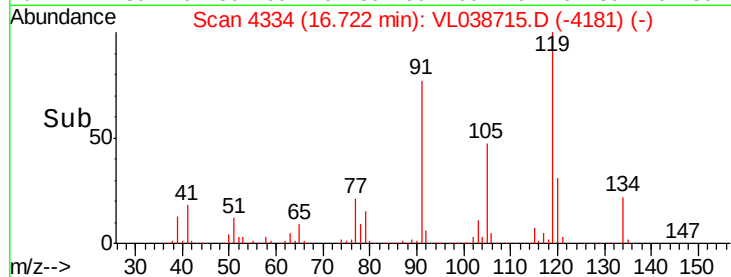
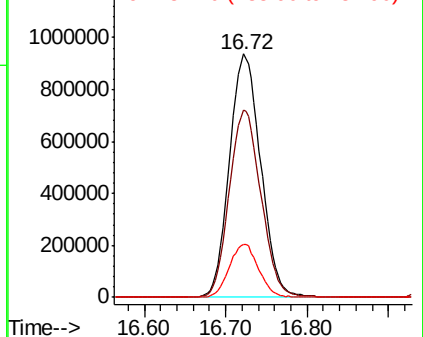


#65
 tert-Butylbenzene
 Concen: 8.015 ppbv
 RT: 16.72 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 14:04

Tot Ion: 119 Resp: 2513106
 Ion Ratio Lower Upper
 119 100
 91 78.2 61.2 91.8
 134 20.5 16.3 24.5

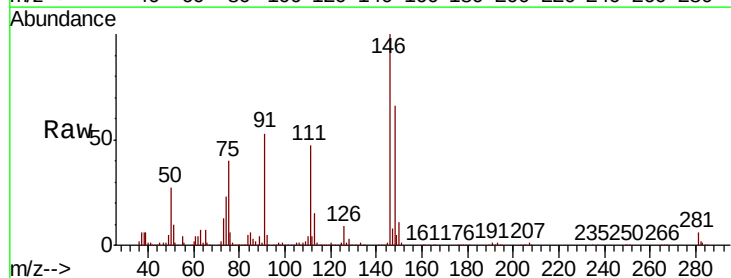


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

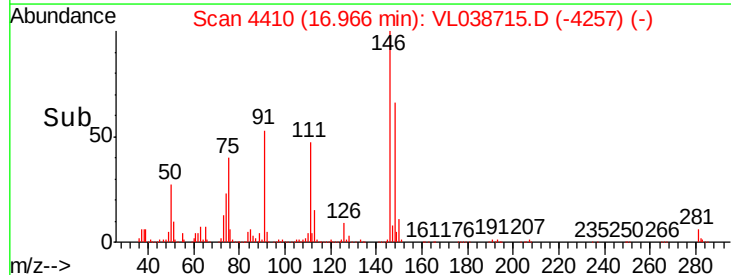
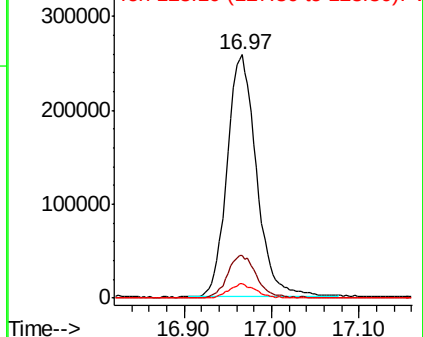


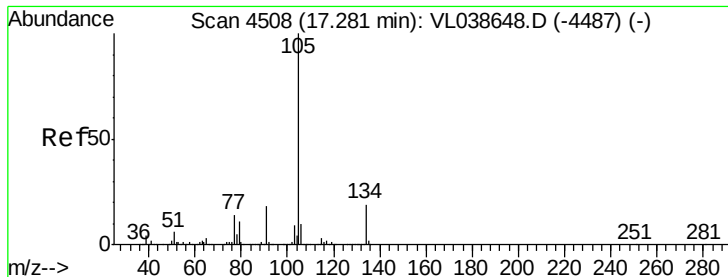
#66
 Benzyl Chloride
 Concen: 10.175 ppbv
 RT: 16.97 min Scan# 4410
 Delta R.T. -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

Tgt Ion: 91 Resp: 604104
 Ion Ratio Lower Upper
 91 100
 126 17.4 14.3 21.5
 128 5.7 4.6 6.8



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





#67

sec-Butylbenzene

Concen: 8.051 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File:

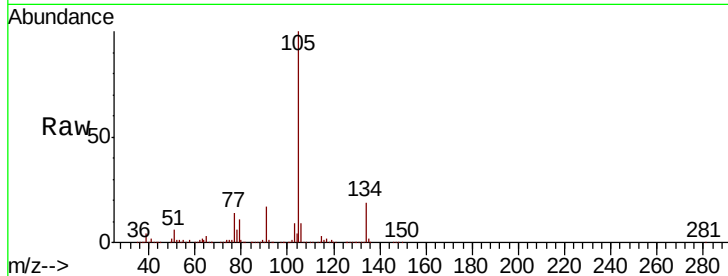
Acq: 23 Mar 2022 14:04

Tot Ion: 105 Resp: 3609899

Ion Ratio Lower Upper

105 100

134 18.6 15.1 22.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

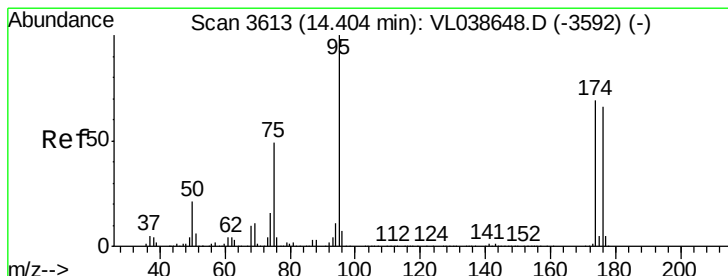
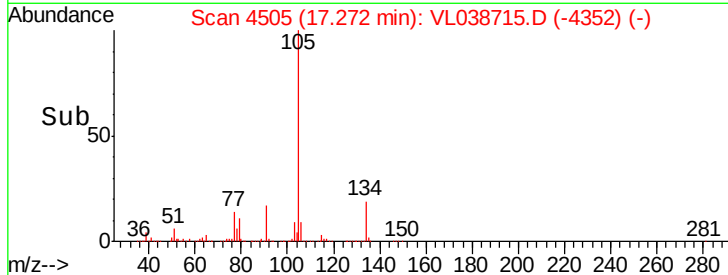
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 7.870 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.01 min

Lab File: VL038715.D

Acq: 23 Mar 2022 14:04

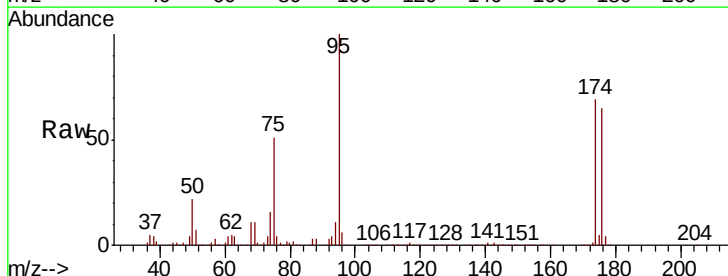
Tgt Ion: 95 Resp: 1442361

Ion Ratio Lower Upper

95 100

174 72.5 56.1 84.1

175 5.2 4.2 6.2



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

800000

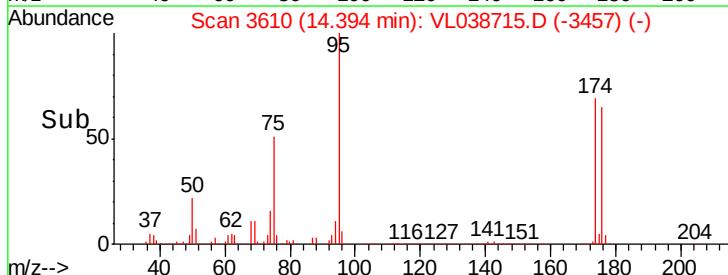
600000

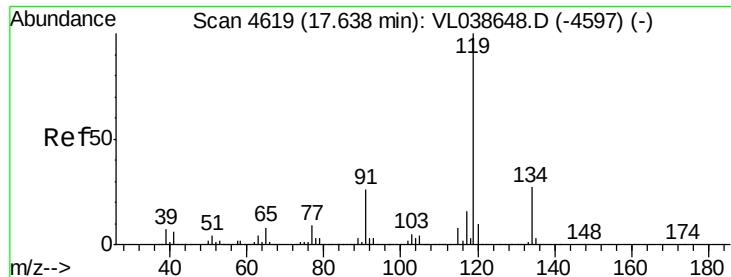
400000

200000

0

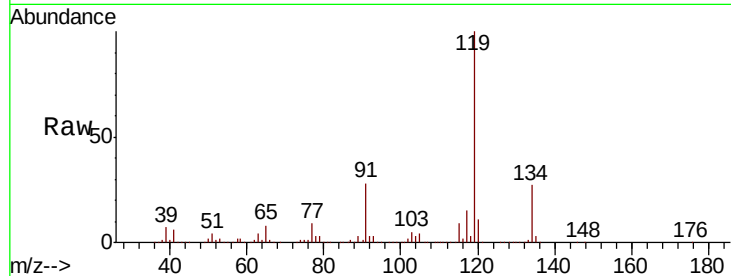
Time-->



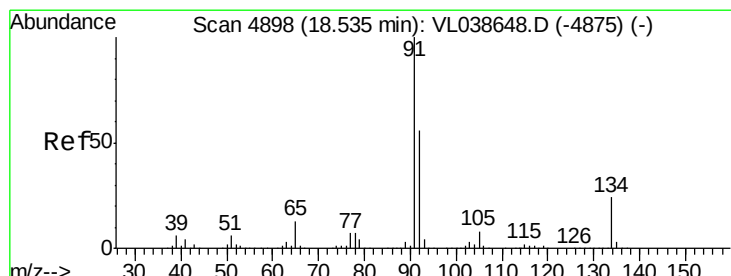
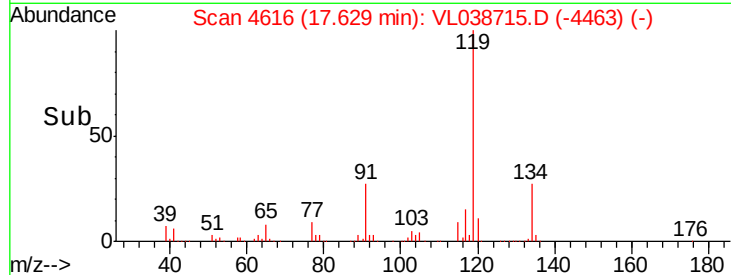
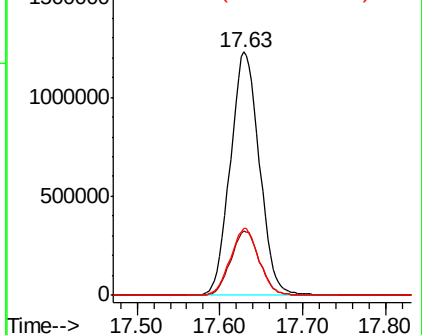


#69
 p-Isopropyltoluene
 Concen: 8.194 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 14:04

Tot Ion: 119 Resp: 2998587
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.2 31.8
 91 27.1 21.4 32.2

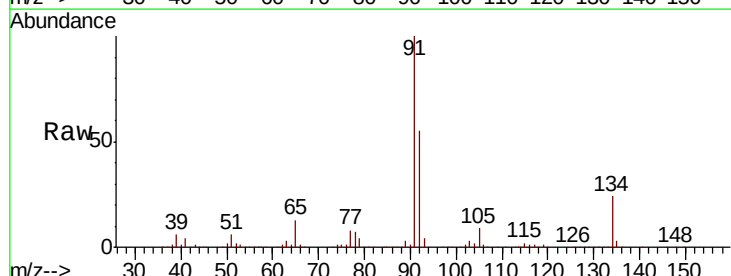


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

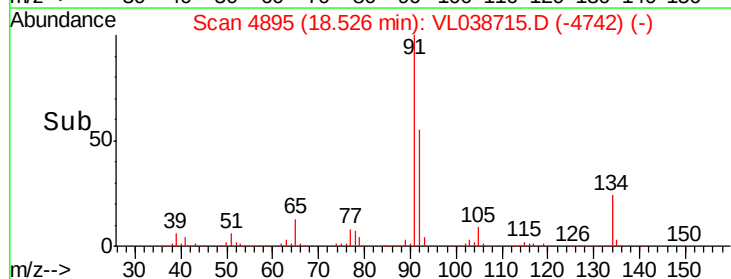
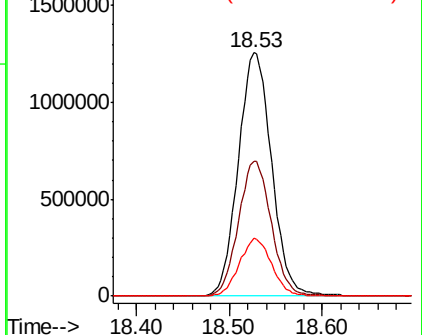


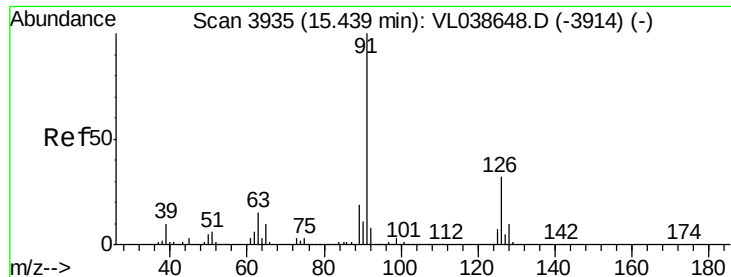
#70
 n-Butylbenzene
 Concen: 8.304 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

Tgt Ion: 91 Resp: 3134637
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.9 65.9
 134 23.2 18.7 28.1



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: 8.064 ppbv

RT: 15.43

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

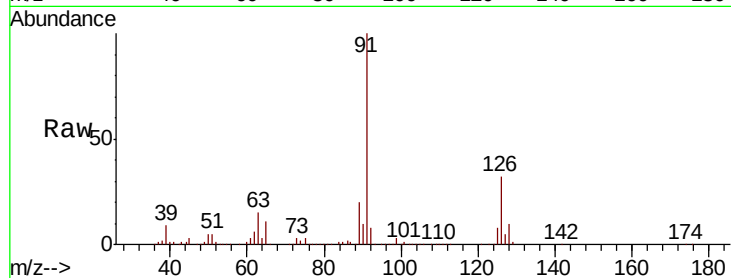
Acq: 23 Mar 2022 14:04

Tot Ion: 91 Resp: 2088490

Ion Ratio Lower Upper

91 100

126 33.0 13.1 52.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

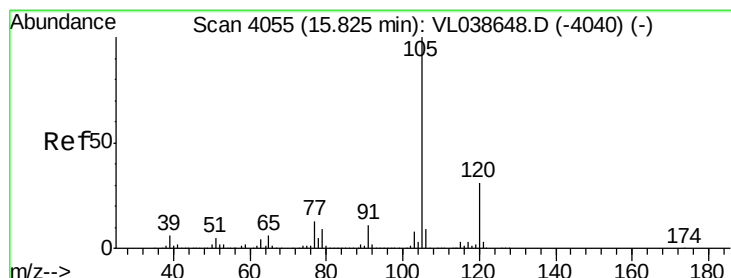
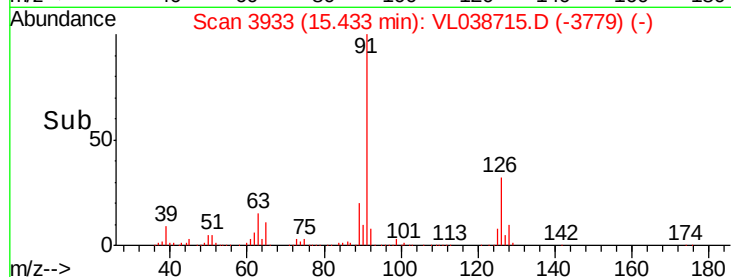
1500000

1000000

500000

0

Time--> 15.30 15.40 15.50



#72

4-Ethyltoluene

Concen: 8.621 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.01 min

Lab File: VL038715.D

Acq: 23 Mar 2022 14:04

Tgt Ion: 105 Resp: 2362099

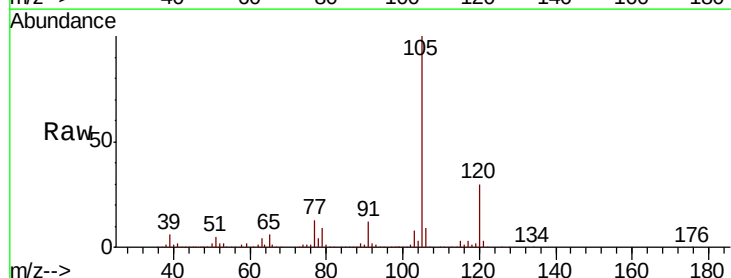
Ion Ratio Lower Upper

105 100

120 30.2 24.9 37.3

91 11.8 9.8 14.6

77 12.8 10.6 16.0



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

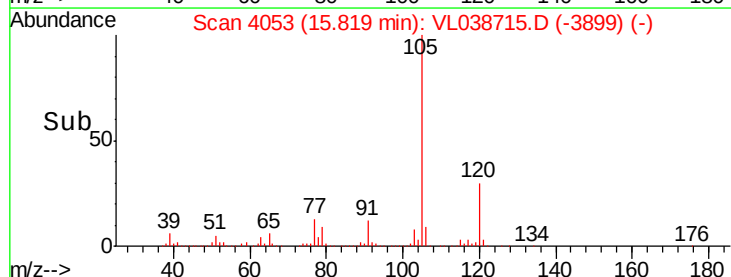
1500000

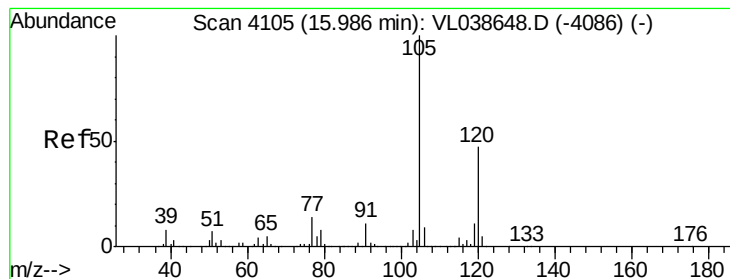
1000000

500000

0

Time--> 15.70 15.80 15.90





#73

1,3,5-Trimethylbenzene

Concen: 8.325 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

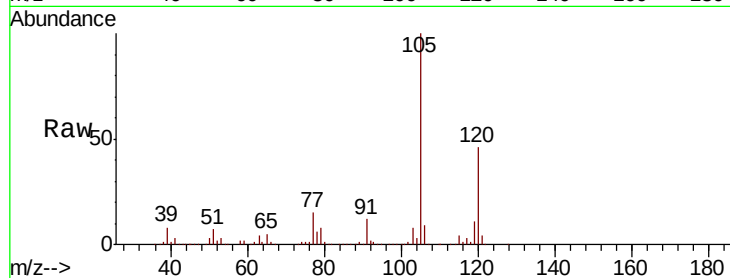
Acq: 23 Mar 2022 14:04

Tot Ion:105 Resp: 2078459

Ion Ratio Lower Upper

105 100

120 46.2 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

800000

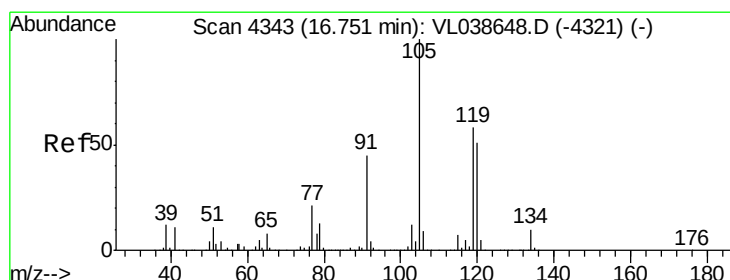
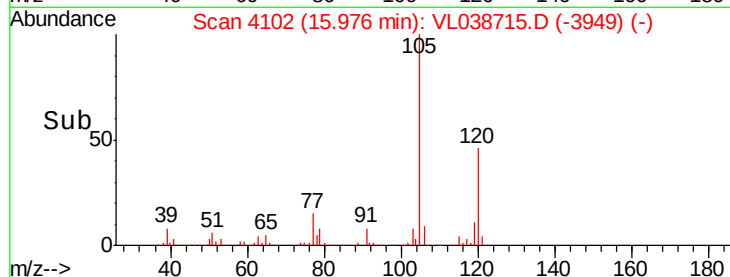
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.119 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL038715.D

Acq: 23 Mar 2022 14:04

Tgt Ion:105 Resp: 2207922

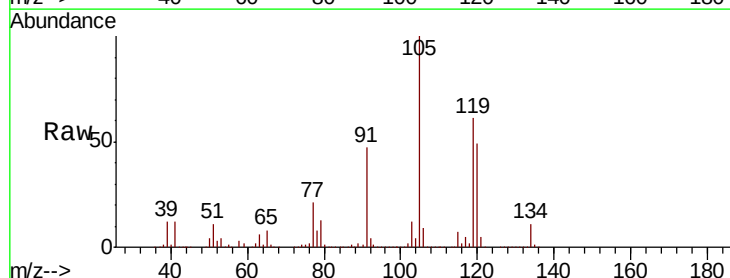
Ion Ratio Lower Upper

105 100

120 48.7 40.5 60.7

91 47.4 35.9 53.9

77 21.1 16.6 25.0



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

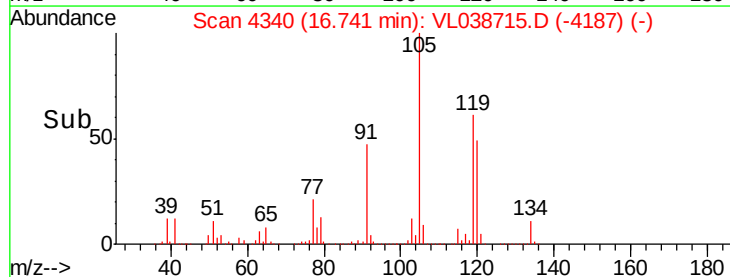
16.74

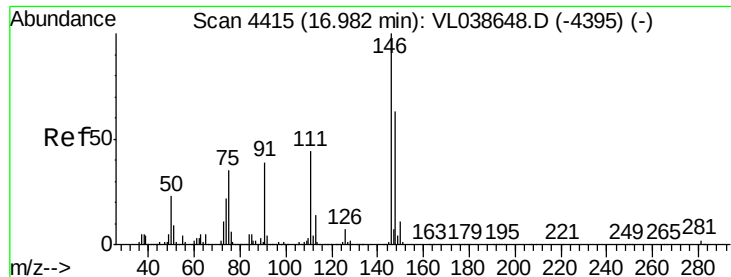
1000000

500000

0

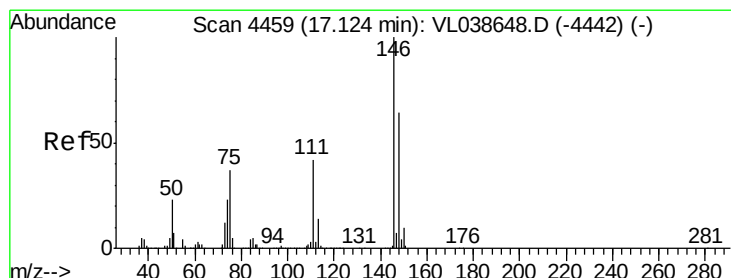
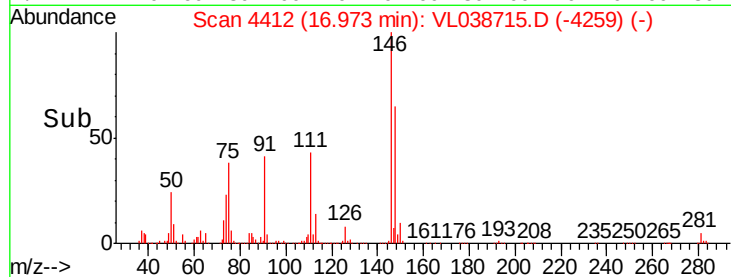
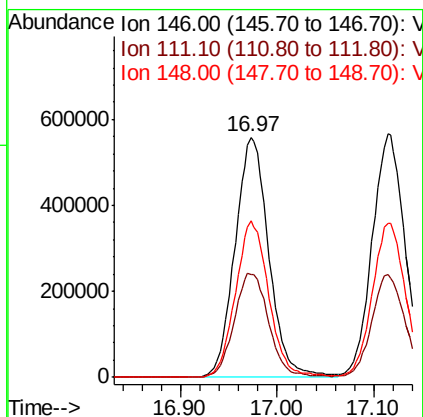
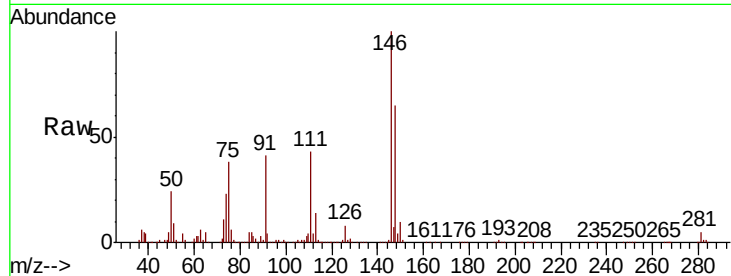
Time-->





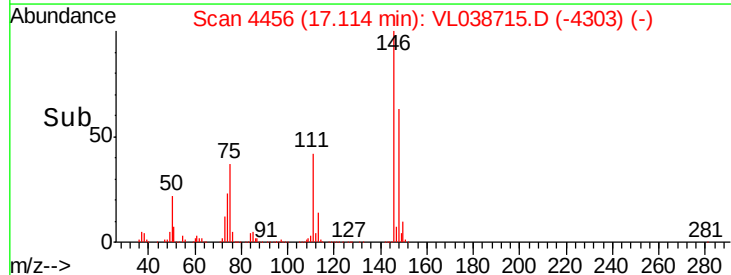
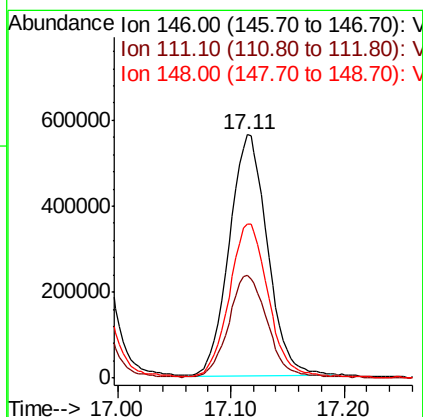
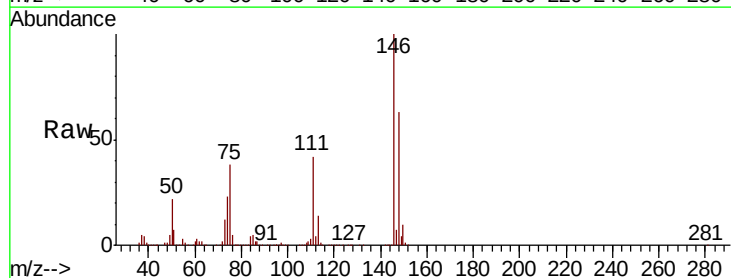
#75
 1,3-Dichlorobenzene
 Concen: 7.827 ppbv
 RT: 16.97
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 14:04

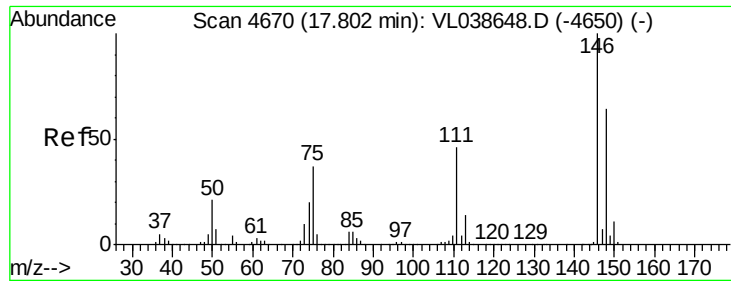
Tot Ion:146 Resp: 1355786
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.2 66.6
 148 64.2 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.679 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

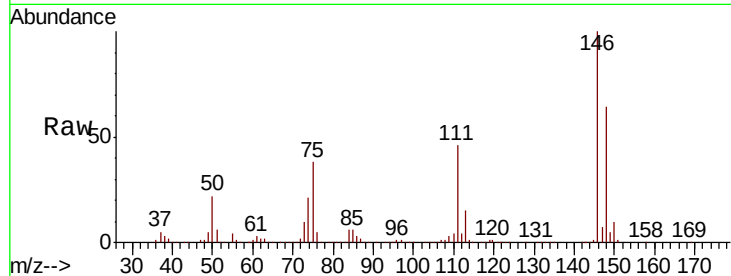
Tgt Ion:146 Resp: 1322824
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.4 64.2
 148 65.9 32.1 96.3



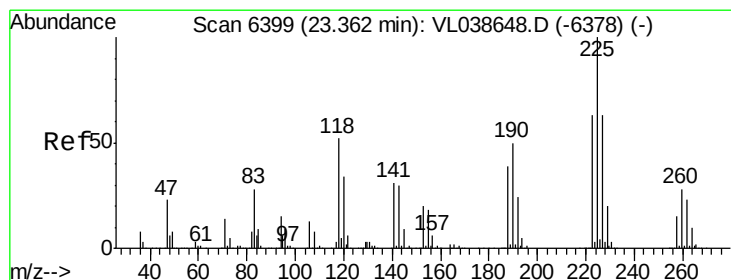
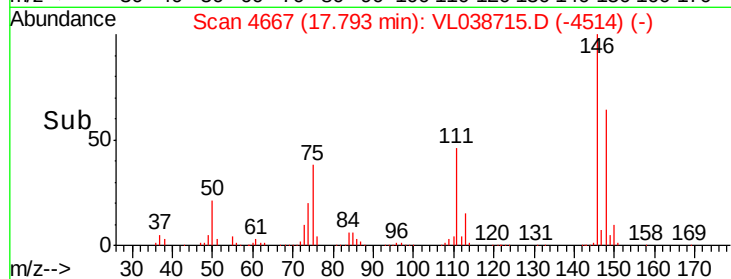
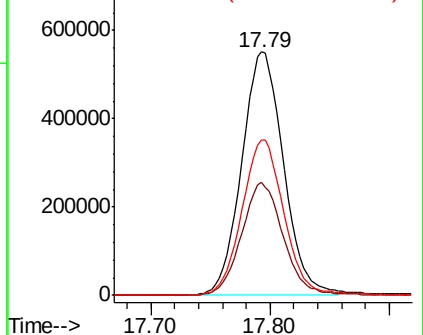


#77
 1,2-Dichlorobenzene
 Concen: 7.769 ppbv
 RT: 17.79 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 14:04

Tot Ion:146 Resp: 1333148
 Ion Ratio Lower Upper
 146 100
 111 46.7 22.8 68.4
 148 64.4 32.5 97.4

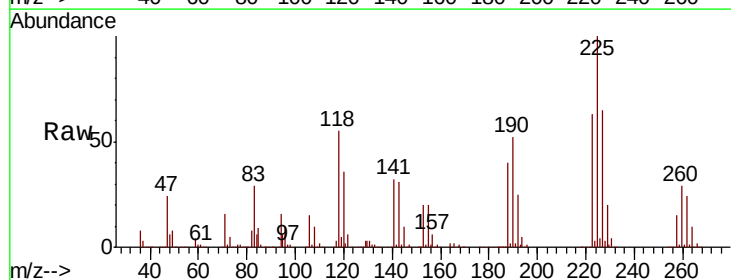


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

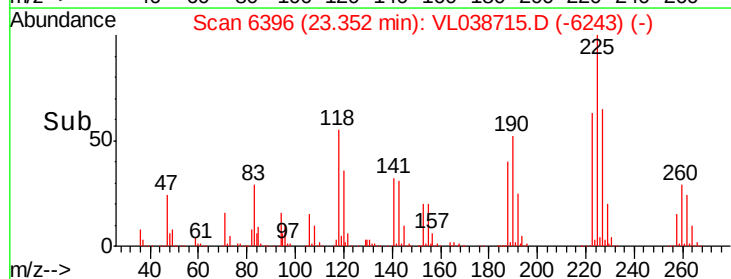
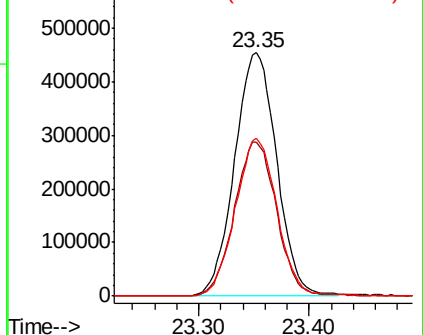


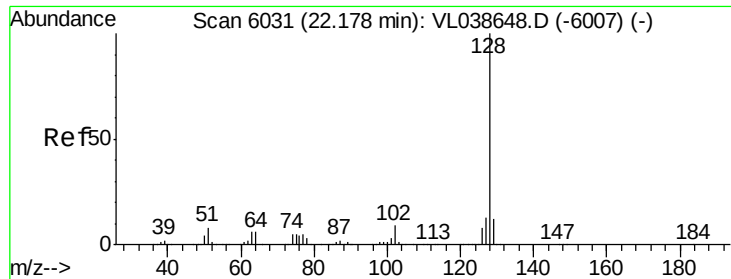
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.584 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.01 min
 Lab File: VL038715.D
 Acq: 23 Mar 2022 14:04

Tgt Ion:225 Resp: 1202880
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.0 76.6
 227 64.5 51.5 77.3



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: 10.674 ppbv

RT: 22.17 min

Delta R.T. MSVOA_L

Lab File:

Acq: 23 Mar 2022 14:04

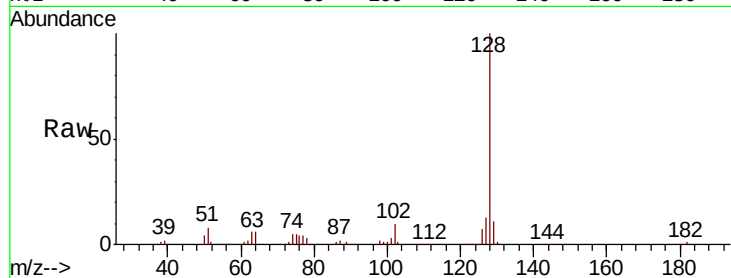
Tot Ion:128 Resp: 2217844

Ion Ratio Lower Upper

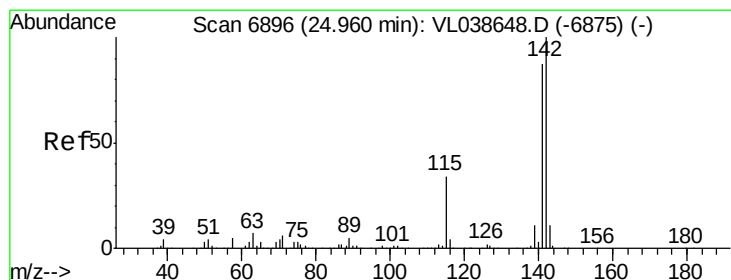
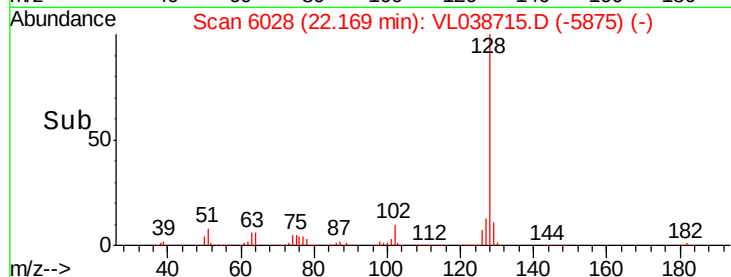
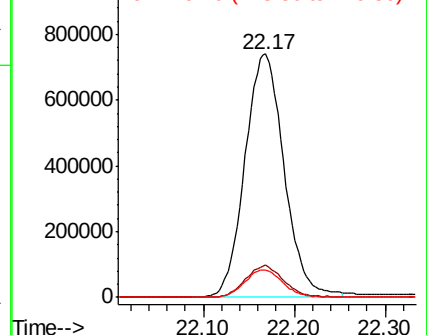
128 100

127 13.2 10.2 15.4

129 11.0 9.2 13.8



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: 8.723 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. -0.01 min

Lab File: VL038715.D

Acq: 23 Mar 2022 14:04

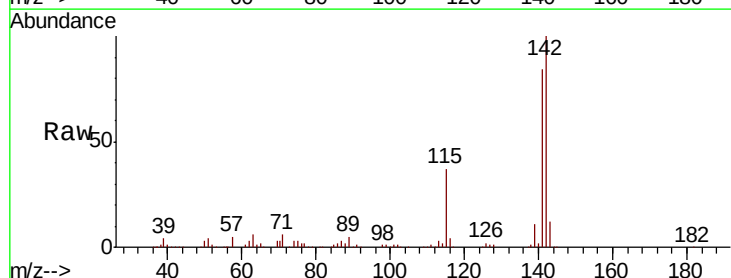
Tgt Ion:142 Resp: 486002

Ion Ratio Lower Upper

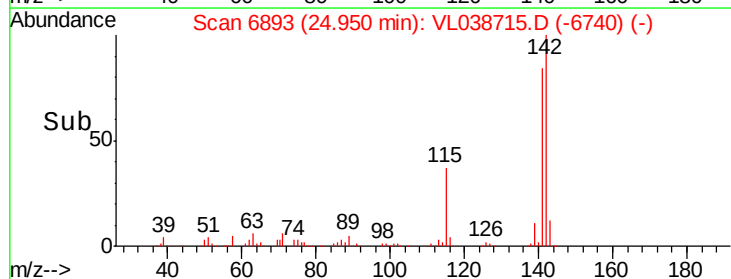
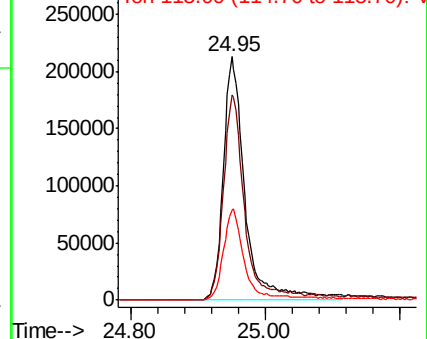
142 100

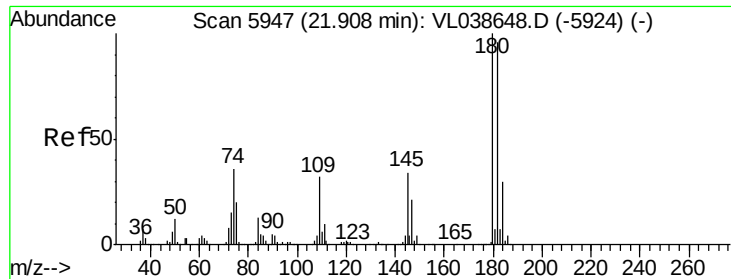
141 83.6 66.4 99.6

115 35.5 27.8 41.6



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: 8.917 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 14:04

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	79.2	118.8
184	30.8	24.8	37.2

