

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
 Data File : VL039113.D
 Acq On : 24 May 2022 10:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 25 04:14:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1096056	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2680084	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	3133256	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1942863	7.83	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1192118	6.942	ppbv 99
3) Chlorodifluoromethane	2.98	51	1361923	10.014	ppbv 98
4) Chloromethane	3.13	50	622530	9.140	ppbv 97
5) Vinyl Chloride	3.25	62	635485	10.218	ppbv 95
6) Bromomethane	3.47	94	302097	10.282	ppbv 92
7) Chloroethane	3.55	64	220517	10.593	ppbv 93
8) Dichlorotetrafluoroethane	3.18	85	1543683	9.918	ppbv 99
9) Propene	3.00	41	567968	9.563	ppbv 99
10) Heptane	8.10	43	1450631	9.955	ppbv 100
11) Trichlorofluoromethane	3.93	101	1464621	9.940	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1055592	10.400	ppbv 97
13) Ethanol	3.58	45	29826	7.096	ppbv # 37
14) Bromoethene	3.73	108	454655	10.862	ppbv 99
15) Acetone	3.83	43	1054872	10.203	ppbv 99
16) 1,3-Butadiene	3.32	39	596761	10.046	ppbv 100
17) tert-Butyl alcohol	4.27	59	905617	11.397	ppbv 98
18) 1,1-Dichloroethene	4.27	96	465105	10.647	ppbv 95
19) Isopropyl Alcohol	3.94	45	542269	11.031	ppbv # 96
20) Methylene Chloride	4.33	84	402431	10.327	ppbv 96
21) Allyl Chloride	4.39	41	721928	10.247	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	489273	10.369	ppbv 93
23) Vinyl Acetate	5.05	43	703543	8.600	ppbv # 98
24) 1,1-Dichloroethane	4.99	63	966141	10.256	ppbv 99
25) Ethyl Acetate	5.65	43	2816022	11.380	ppbv 99
26) Hexane	5.67	57	1130760	10.284	ppbv 95
27) Carbon Disulfide	4.53	76	1102158	10.552	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	891562	10.657	ppbv 99
29) Chloroform	5.73	83	1761470	9.902	ppbv 98
30) Cyclohexane	7.11	84	918617	9.979	ppbv 96
31) cis-1,2-Dichloroethene	5.53	61	1124383	10.038	ppbv 97
32) 1,1,1-Trichloroethane	6.49	97	1821550	10.241	ppbv 99
34) 2-Butanone	5.22	43	1491150	10.906	ppbv 100
35) Carbon Tetrachloride	7.00	117	1853169	10.494	ppbv 97
36) Benzene	6.87	78	2211912	9.644	ppbv 99
37) 1,2-Dichloroethane	6.28	62	1399068	9.859	ppbv 100
38) Trichloroethene	7.81	130	881871	8.649	ppbv 98
39) 1,2-Dichloropropane	7.59	63	883909	9.905	ppbv 96
40) 1,4-Dioxane	7.80	88	311626	9.722	ppbv 94
41) Tetrahydrofuran	6.02	42	907989	9.881	ppbv 99
42) Bromodichloromethane	7.76	83	1999781	10.308	ppbv 98
43) Methyl Methacrylate	7.99	69	979737	10.522	ppbv 98

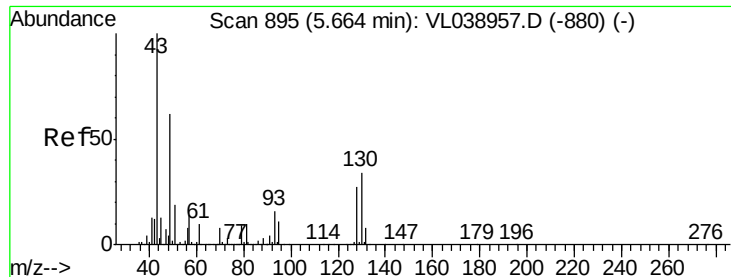
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
 Data File : VL039113.D
 Acq On : 24 May 2022 10:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 25 04:14:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

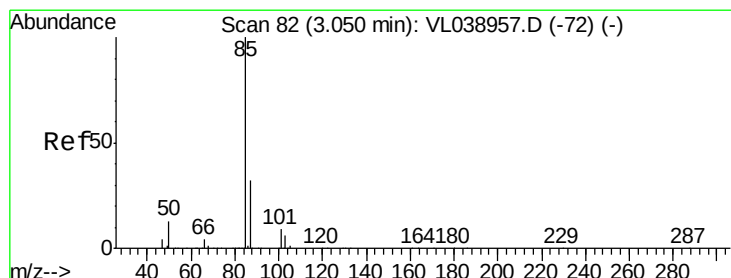
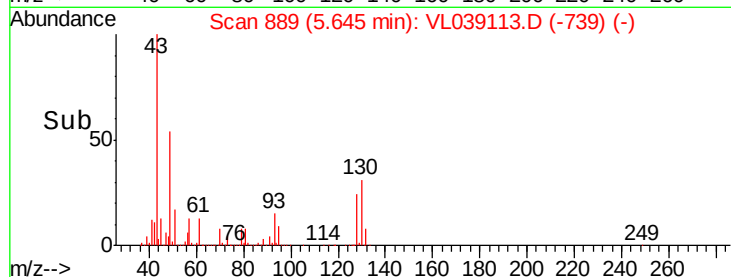
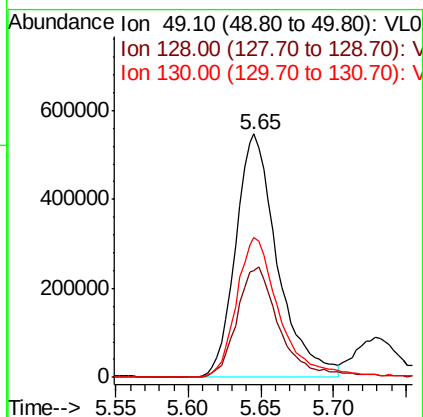
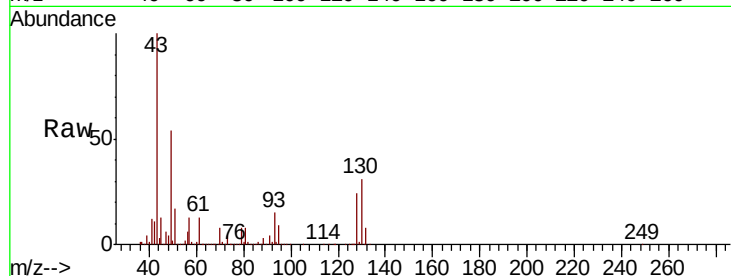
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3844305	9.552	ppbv	100
45) t-1,3-Dichloropropene	9.25	75	771762	8.563	ppbv	97
46) cis-1,3-Dichloropropene	8.67	75	1098867	9.194	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	911362	9.819	ppbv	97
48) Dibromochloromethane	10.27	129	1591152	10.532	ppbv	100
49) Bromoform	13.01	173	1281081	11.119	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2313955	9.651	ppbv	99
51) 2-Hexanone	10.10	43	1746585	9.981	ppbv	100
52) Tetrachloroethene	11.19	164	791459	9.656	ppbv	98
53) Toluene	9.78	91	2585061	10.056	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1328188	10.511	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.09	131	1153563	8.391	ppbv	96
57) Chlorobenzene	12.11	112	1829316	7.789	ppbv	99
58) Ethyl Benzene	12.68	91	3471174	7.698	ppbv	97
59) m/p-Xylene	12.97	91	2981123	7.744	ppbv #	34
60) o-Xylene	13.66	91	2802652	7.736	ppbv	100
61) Styrene	13.49	104	1534213	7.932	ppbv	99
62) Isopropylbenzene	14.63	105	4167743	7.866	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	1924403	9.020	ppbv	100
64) n-propylbenzene	15.53	120	1068871	8.344	ppbv	100
65) tert-Butylbenzene	16.71	119	3731601	8.038	ppbv	99
66) Benzyl Chloride	16.95	91	250993	4.136	ppbv	97
67) sec-Butylbenzene	17.26	105	5357283	8.078	ppbv	99
69) p-Isopropyltoluene	17.62	119	4400956	8.214	ppbv	99
70) n-Butylbenzene	18.51	91	4700284	8.257	ppbv	99
71) 2-Chlorotoluene	15.41	91	3229430	7.907	ppbv	100
72) 4-Ethyltoluene	15.81	105	3351502	8.118	ppbv	98
73) 1,3,5-Trimethylbenzene	15.96	105	2981130	8.021	ppbv	95
74) 1,2,4-Trimethylbenzene	16.73	105	3261109	8.013	ppbv	96
75) 1,3-Dichlorobenzene	16.96	146	1810036	8.118	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1786449	8.144	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	1787696	8.106	ppbv	99
78) Hexachloro-1,3-Butadiene	23.33	225	1370496	6.762	ppbv	99
79) Naphthalene	22.15	128	2505061	7.578	ppbv	100
80) Naphthalene, 2-methyl-	24.94	142	578372	5.784	ppbv	97
81) 1,2,4-Trichlorobenzene	21.88	180	1394461	7.199	ppbv	99

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



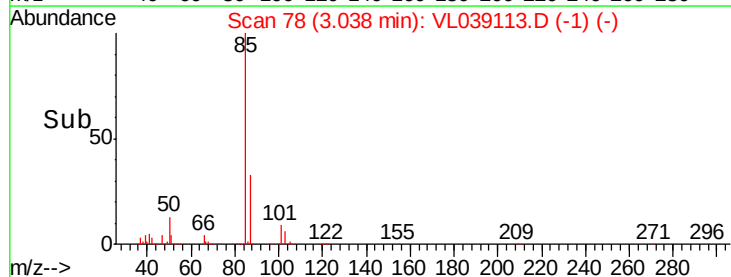
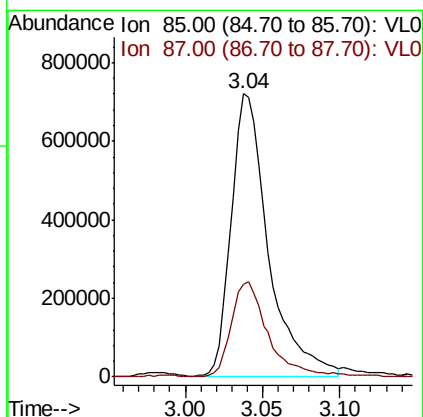
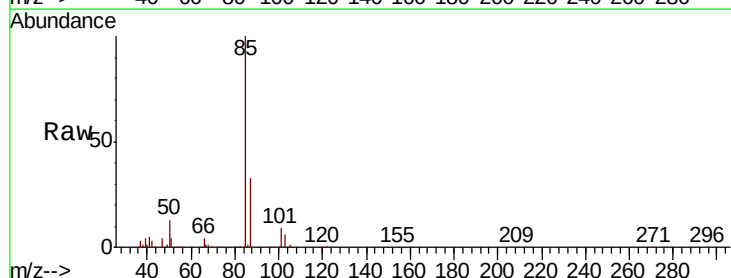
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 24 May 2022 10:28

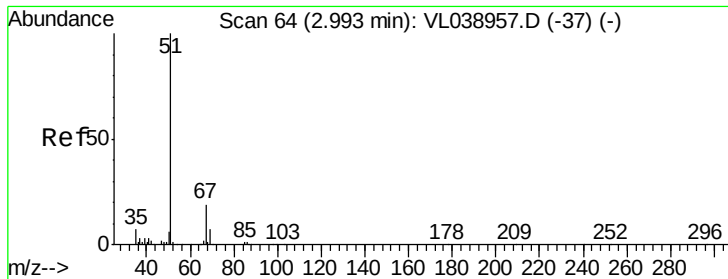
Tot Ion: 49 Resp: 1096056
 Ion Ratio Lower Upper
 49 100
 128 47.3 23.3 69.8
 130 60.0 29.8 89.3



#2
 Dichlorodifluoromethane
 Concen: 6.942 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. -0.01 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

Tgt Ion: 85 Resp: 1192118
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.7 38.5





#3

Chlorodifluoromethane

Concen: 10.014 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

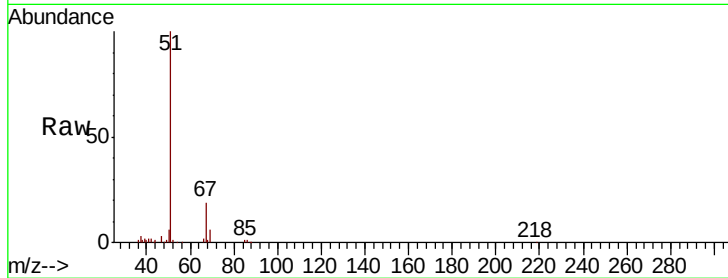
Acq: 24 May 2022 10:28 VSTDCCC010EC

Tot Ion: 51 Resp: 1361923

Ion Ratio Lower Upper

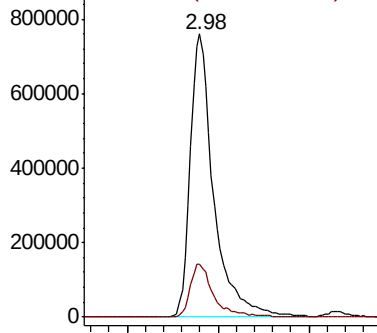
51 100

67 18.8 15.8 23.8

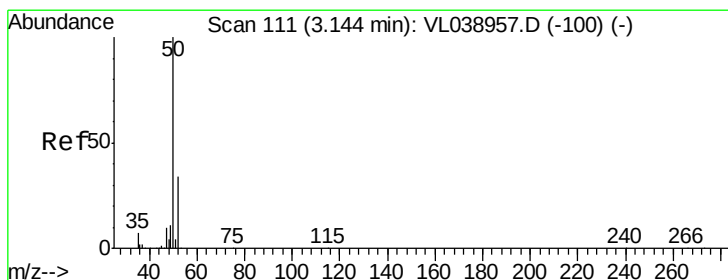
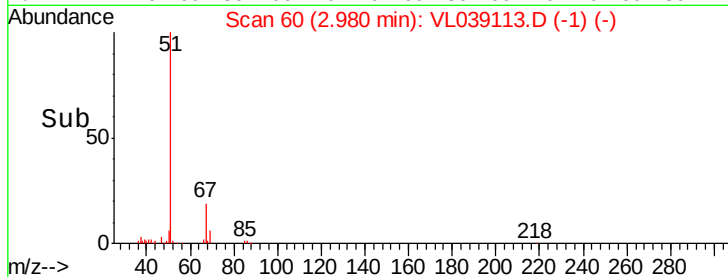


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 9.140 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL039113.D

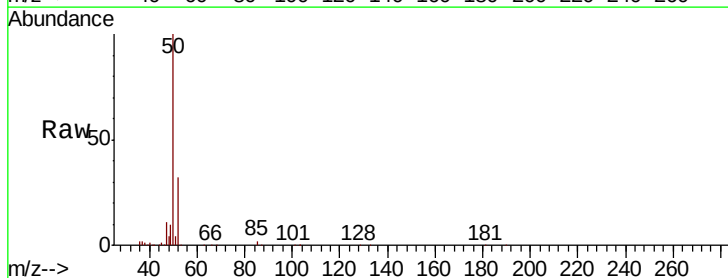
Acq: 24 May 2022 10:28

Tgt Ion: 50 Resp: 622530

Ion Ratio Lower Upper

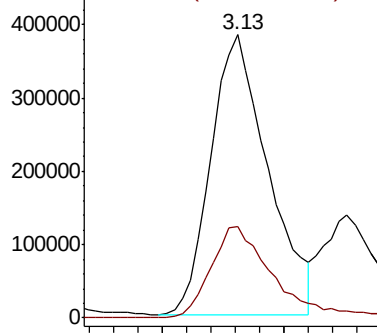
50 100

52 32.5 27.3 40.9

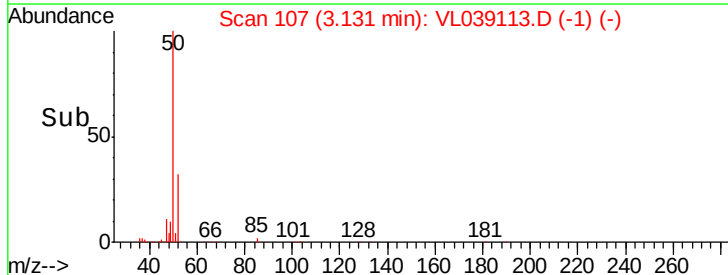


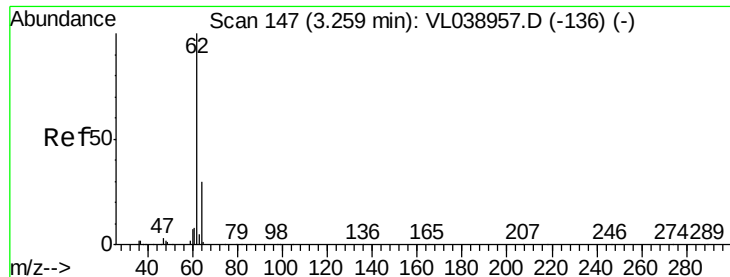
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 10.218 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

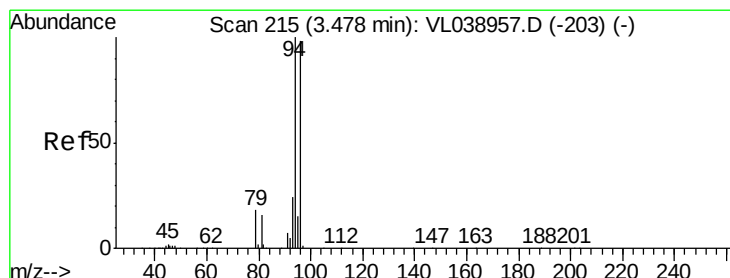
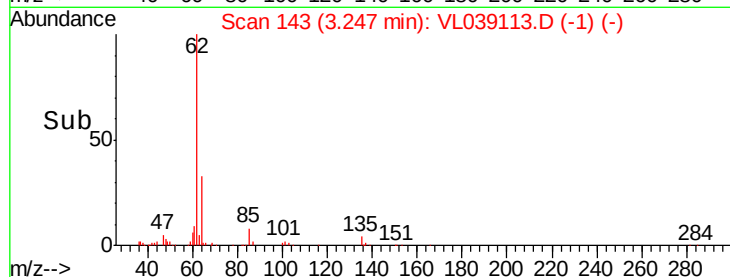
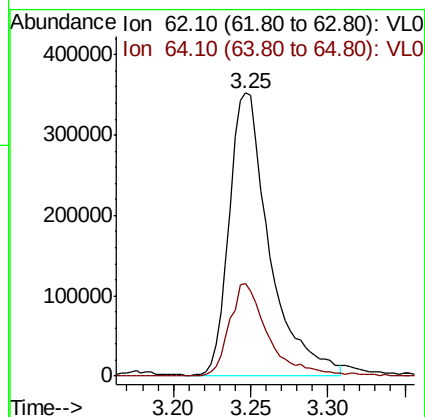
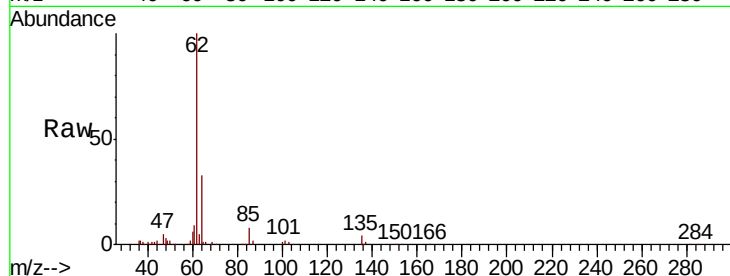
Acq: 24 May 2022 10:28 VSTDCCC010EC

Tot Ion: 62 Resp: 635485

Ion Ratio Lower Upper

62 100

64 32.9 24.2 36.4



#6

Bromomethane

Concen: 10.282 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL039113.D

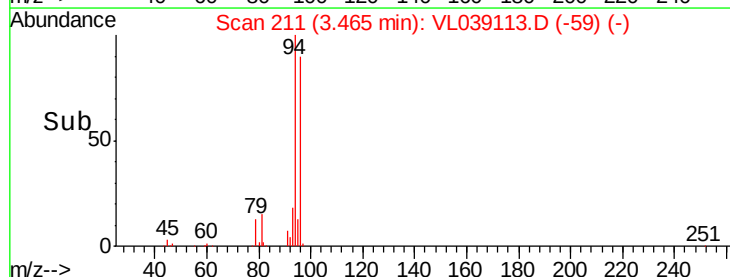
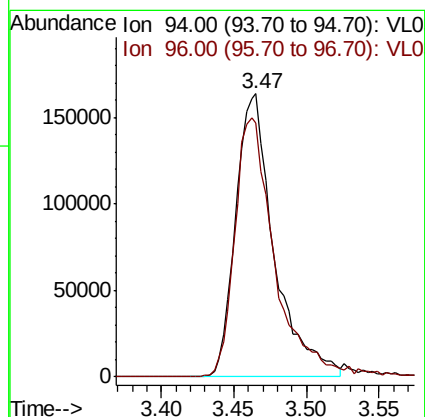
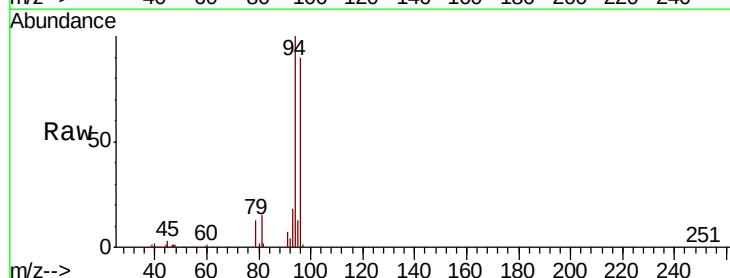
Acq: 24 May 2022 10:28

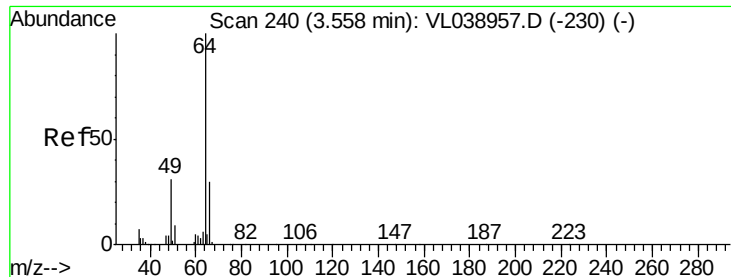
Tgt Ion: 94 Resp: 302097

Ion Ratio Lower Upper

94 100

96 89.7 78.1 117.1





#7

Chloroethane

Concen: 10.593 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

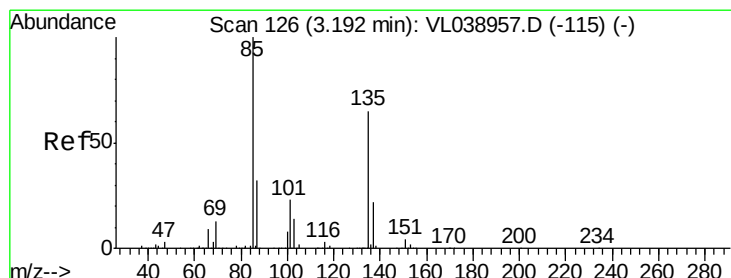
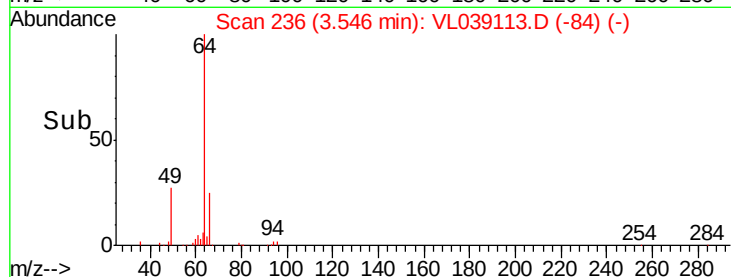
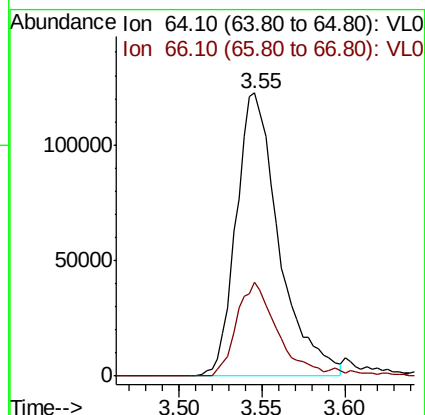
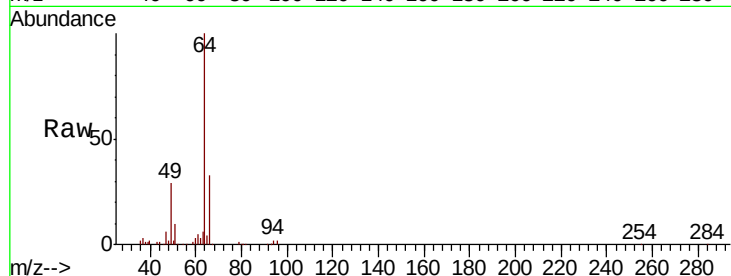
Acq: 24 May 2022 10:28 VSTDCCC010EC

Tot Ion: 64 Resp: 220517

Ion Ratio Lower Upper

64 100

66 33.4 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 9.918 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL039113.D

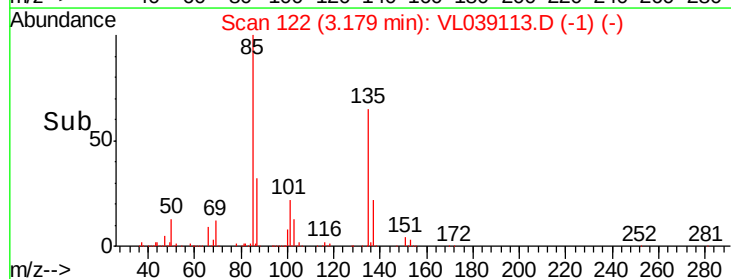
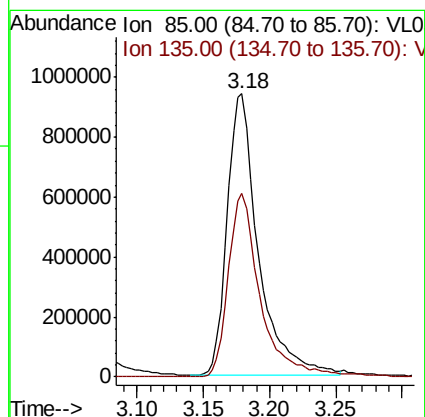
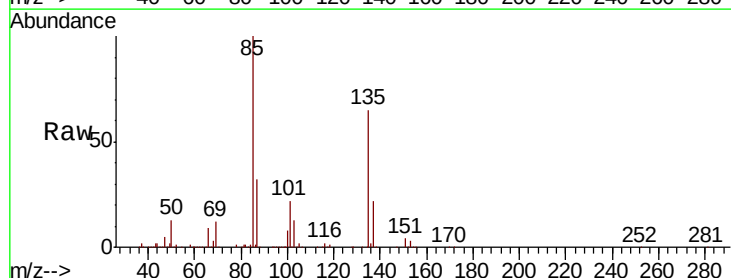
Acq: 24 May 2022 10:28

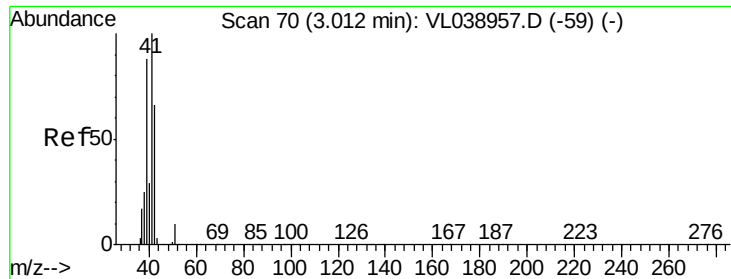
Tgt Ion: 85 Resp: 1543683

Ion Ratio Lower Upper

85 100

135 67.5 53.6 80.4





#9

Propene

Concen: 9.563 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

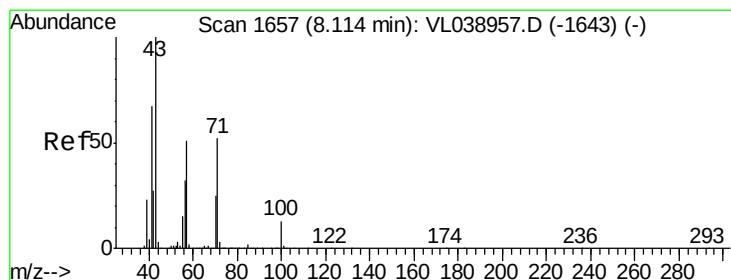
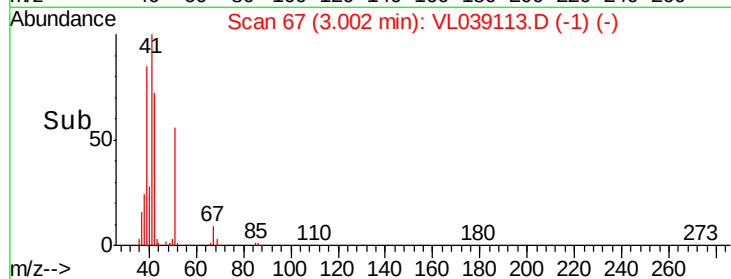
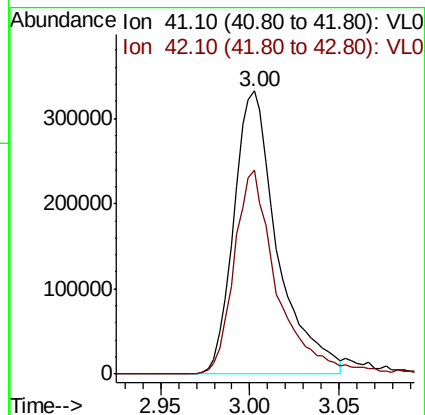
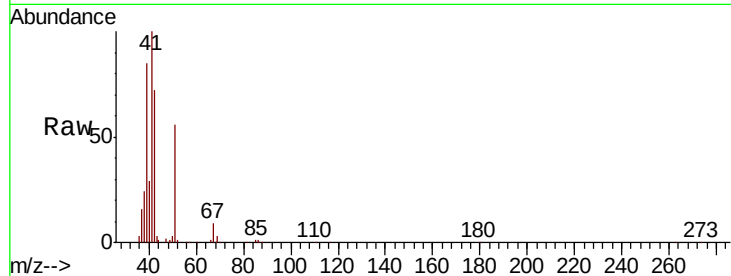
Acq: 24 May 2022 10:28 VSTDCCC010EC

Tot Ion: 41 Resp: 567968

Ion Ratio Lower Upper

41 100

42 72.0 58.3 87.5



#10

Heptane

Concen: 9.955 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.02 min

Lab File: VL039113.D

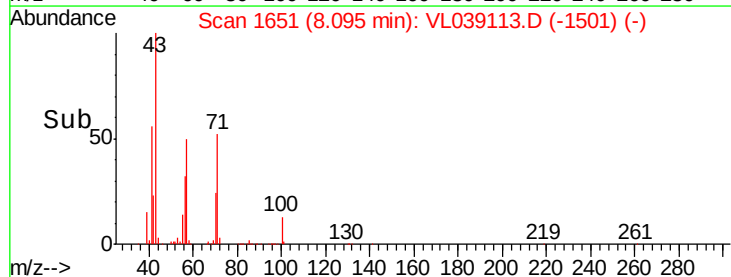
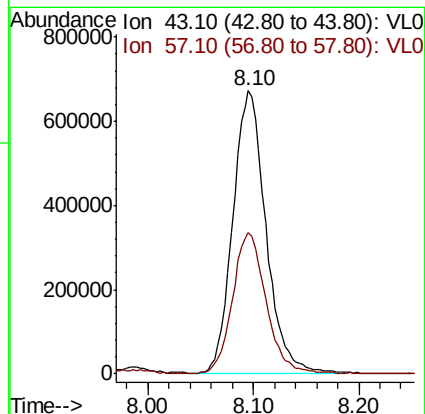
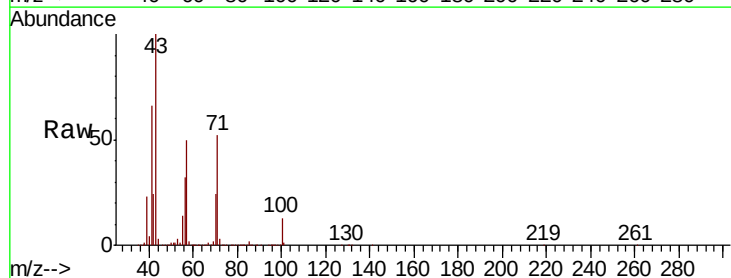
Acq: 24 May 2022 10:28

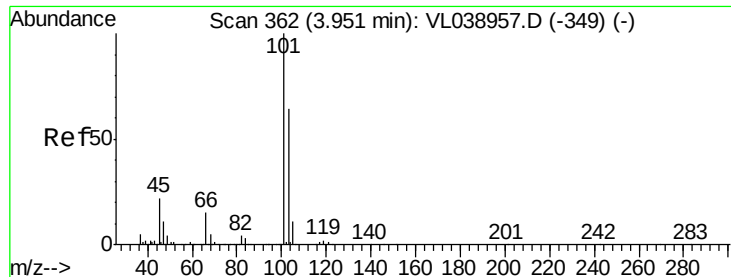
Tgt Ion: 43 Resp: 1450631

Ion Ratio Lower Upper

43 100

57 50.7 40.5 60.7





#11

Trichlorofluoromethane

Concen: 9.940 ppbv

RT: 3.93 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

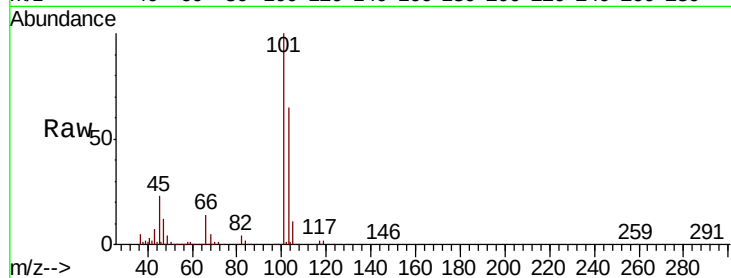
Acq: 24 May 2022 10:28

Tot Ion:101 Resp: 1464621

Ion Ratio Lower Upper

101 100

103 65.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

800000

600000

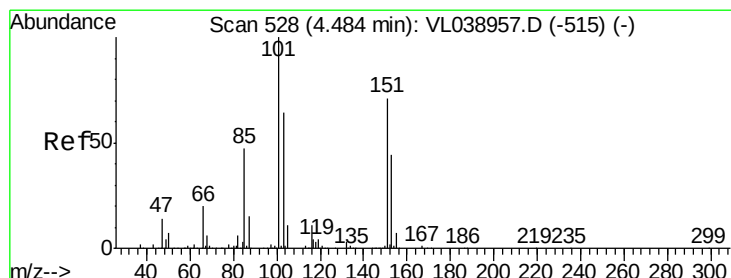
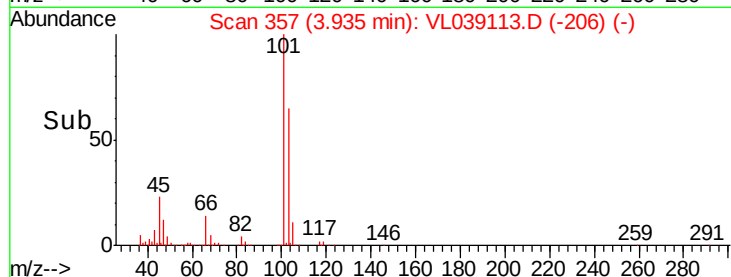
400000

200000

0

3.85 3.90 3.95 4.00 4.05

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.400 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.02 min

Lab File: VL039113.D

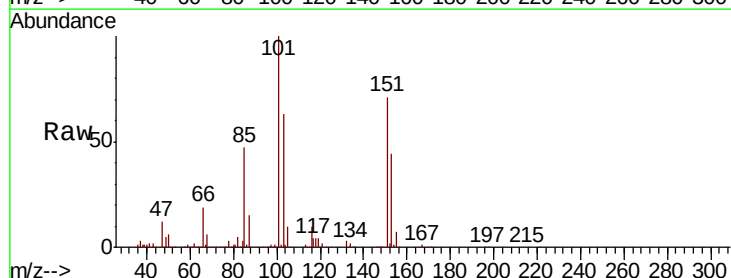
Acq: 24 May 2022 10:28

Tgt Ion:101 Resp: 1055592

Ion Ratio Lower Upper

101 100

151 71.3 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

600000

500000

400000

300000

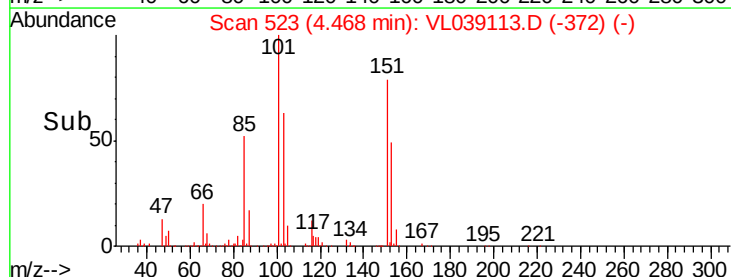
200000

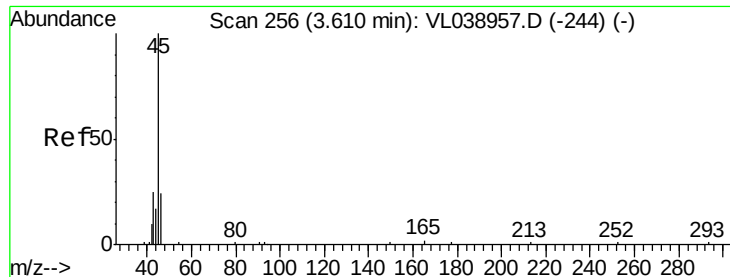
100000

0

4.40 4.45 4.50 4.55 4.60

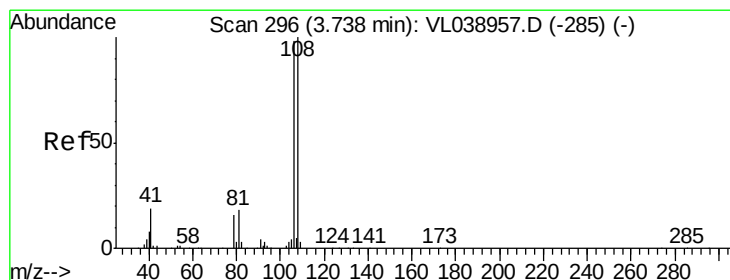
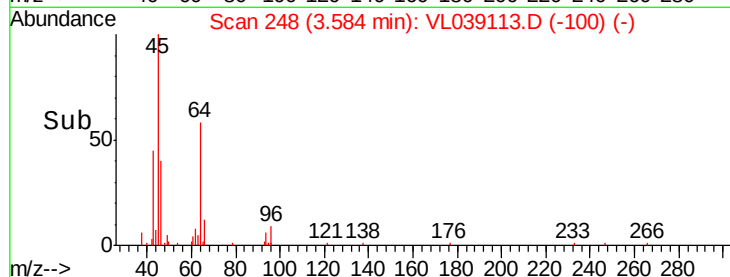
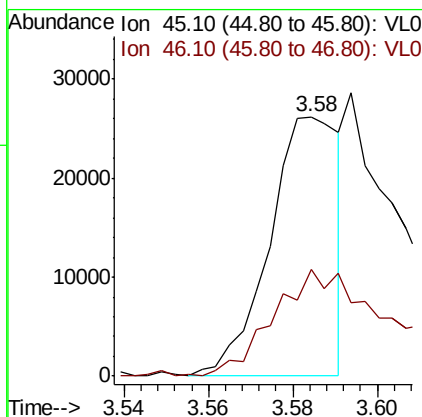
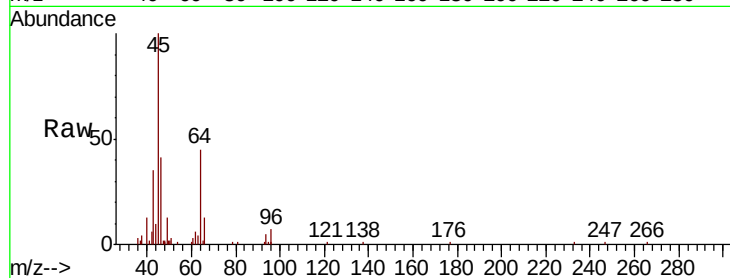
Time-->





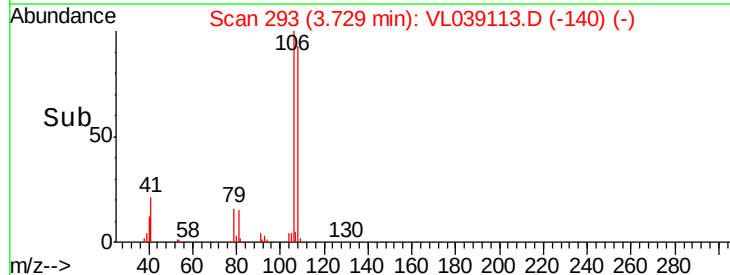
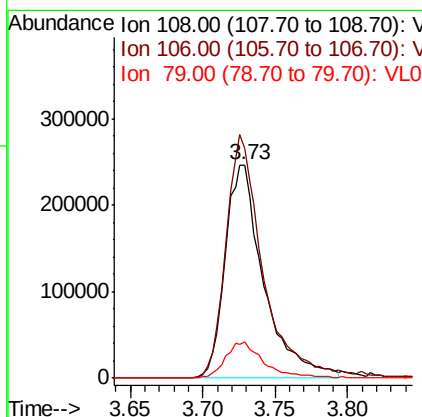
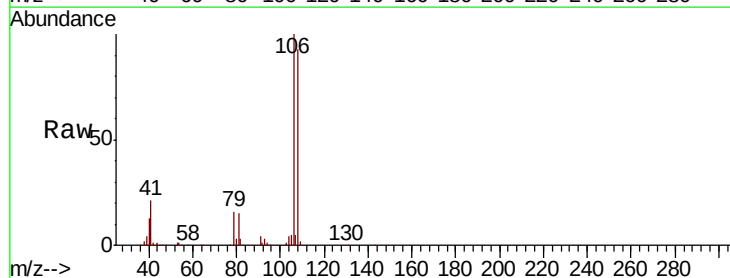
#13
 Ethanol
 Concen: 7.096 ppbv
 RT: 3.58
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

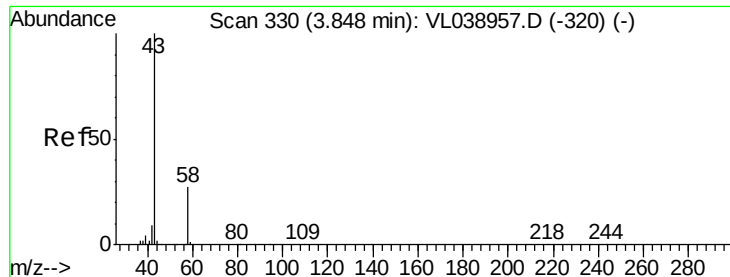
Tot Ion: 45 Resp: 29826
 Ion Ratio Lower Upper
 45 100
 46 86.1 18.0 72.2#



#14
 Bromoethene
 Concen: 10.862 ppbv
 RT: 3.73 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

Tgt Ion: 108 Resp: 454655
 Ion Ratio Lower Upper
 108 100
 106 112.0 90.3 135.5
 79 17.2 14.9 22.3





#15

Acetone

Concen: 10.203 ppbv

RT: 3.83 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

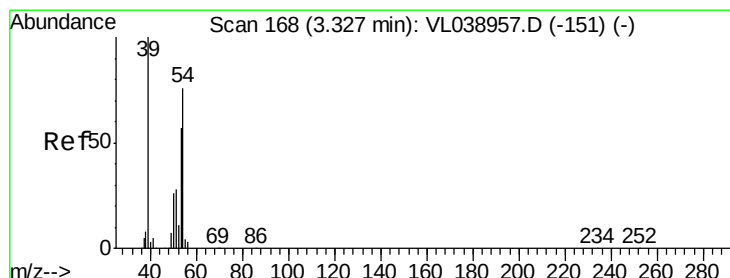
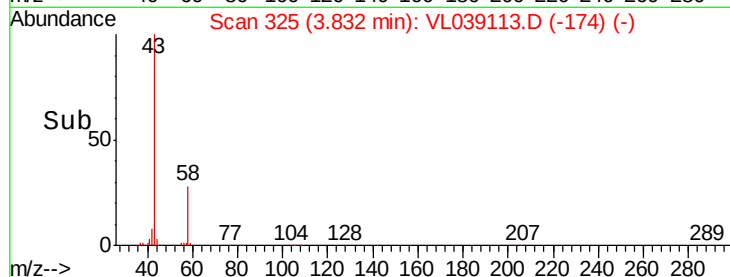
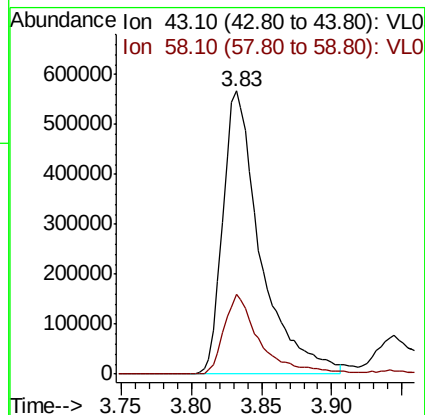
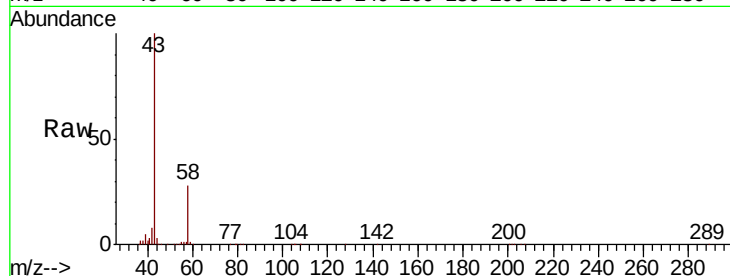
Acq: 24 May 2022 10:28 VSTDCCC010EC

Tot Ion: 43 Resp: 1054872

Ion Ratio Lower Upper

43 100

58 27.0 21.3 31.9



#16

1,3-Butadiene

Concen: 10.046 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL039113.D

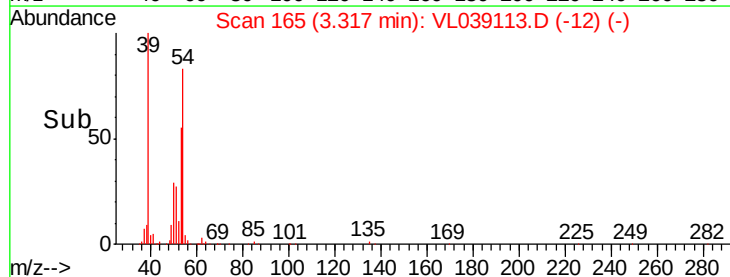
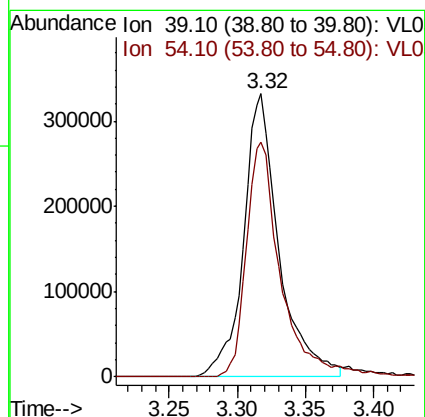
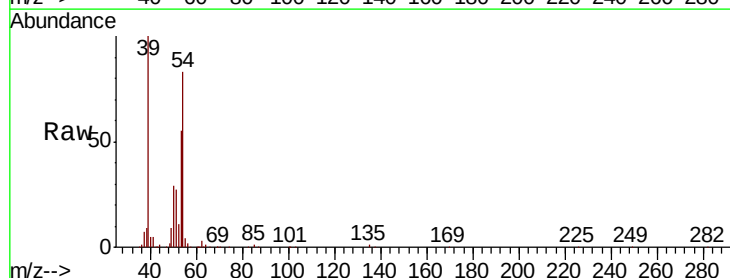
Acq: 24 May 2022 10:28

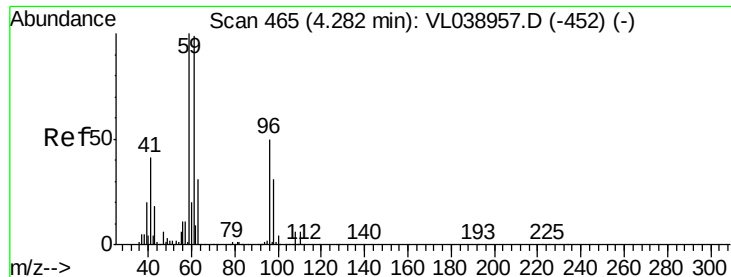
Tgt Ion: 39 Resp: 596761

Ion Ratio Lower Upper

39 100

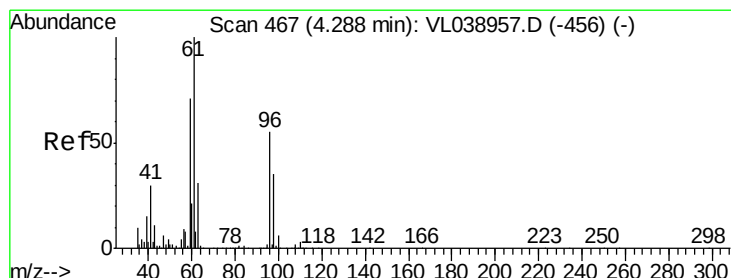
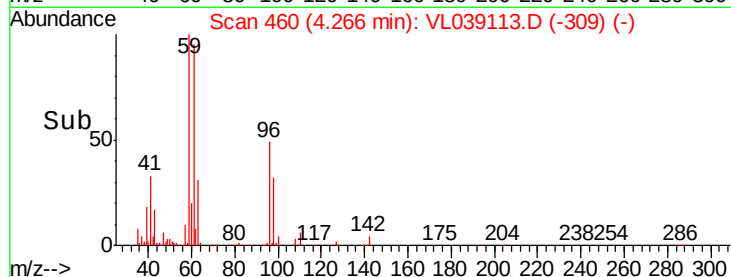
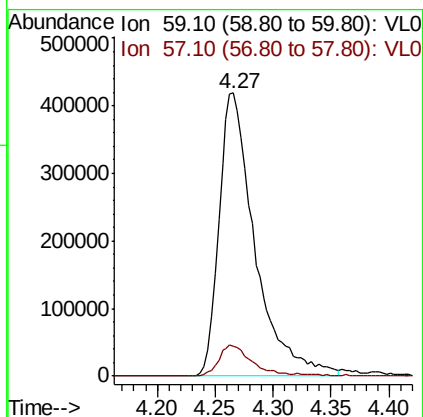
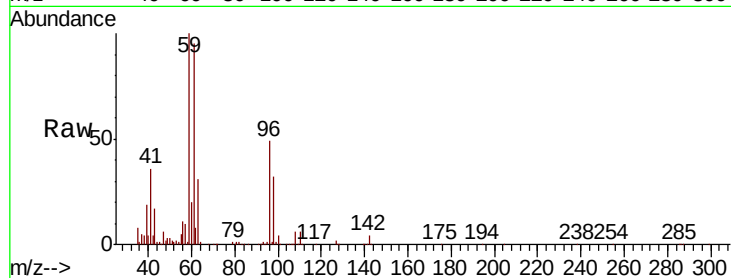
54 81.7 65.2 97.8





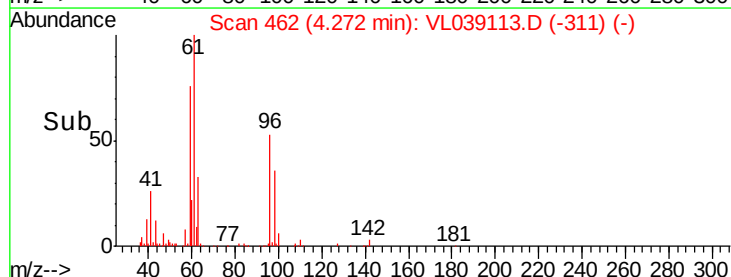
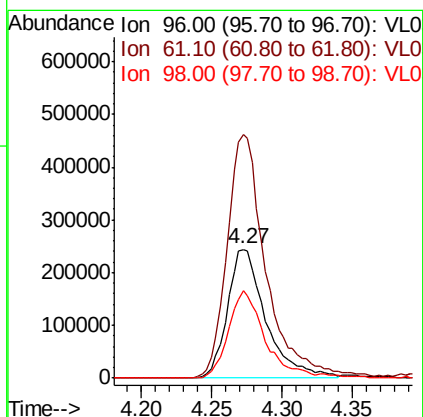
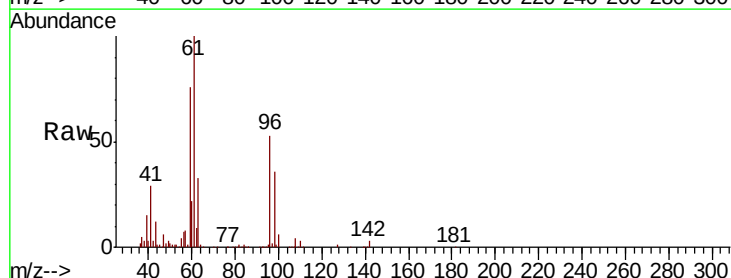
#17
 tert-Butyl alcohol
 Concen: 11.397 ppbv
 RT: 4.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

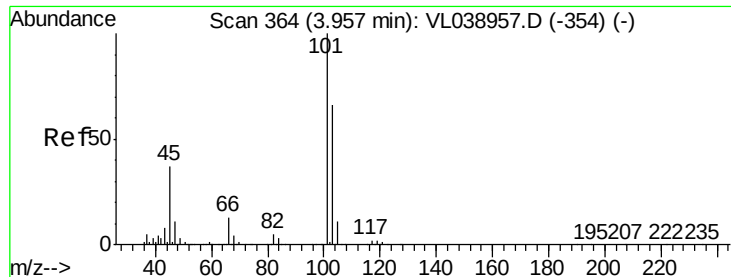
Tot Ion: 59 Resp: 905617
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.2 13.8



#18
 1,1-Dichloroethene
 Concen: 10.647 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.02 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

Tgt Ion: 96 Resp: 465105
 Ion Ratio Lower Upper
 96 100
 61 189.6 146.3 219.5
 98 67.6 50.6 75.8





#19

Isopropyl Alcohol

Concen: 11.031 ppbv

RT: 3.94 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

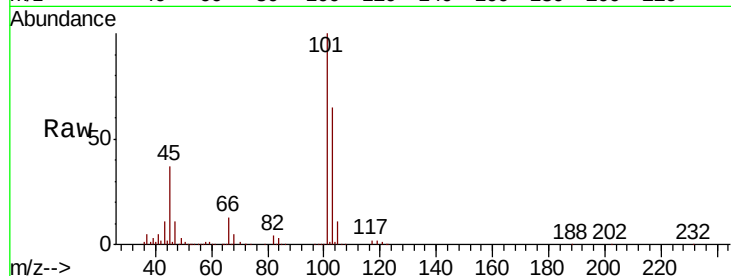
Acq: 24 May 2022 10:28

Tot Ion: 45 Resp: 542269

Ion Ratio Lower Upper

45 100

58 3.2 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

300000

250000

200000

150000

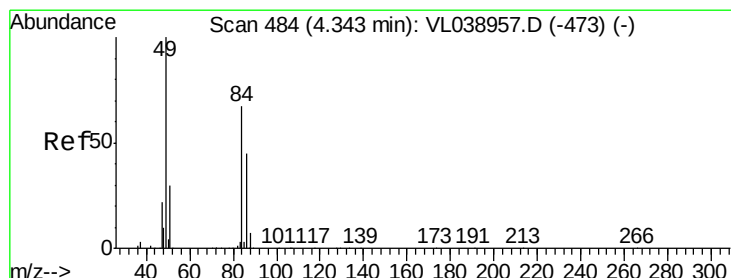
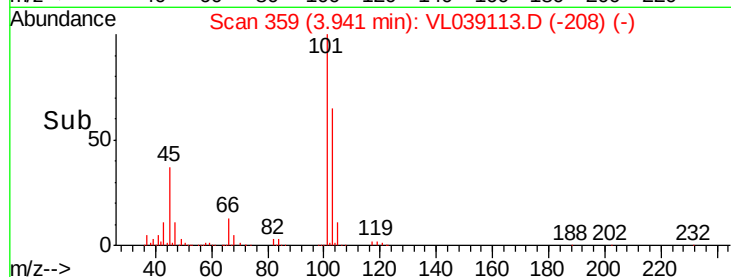
100000

50000

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 10.327 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL039113.D

Acq: 24 May 2022 10:28

Tgt Ion: 84 Resp: 402431

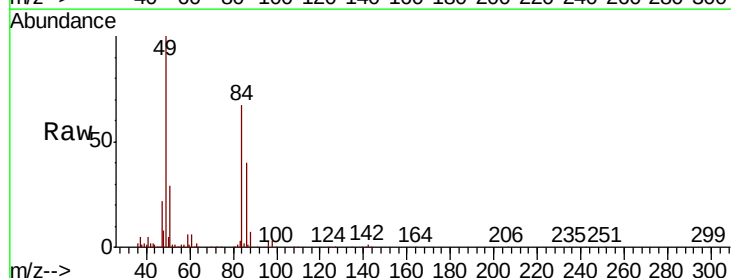
Ion Ratio Lower Upper

84 100

49 147.7 119.9 179.9

51 41.9 35.7 53.5

86 59.7 53.8 80.6



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

500000

400000

300000

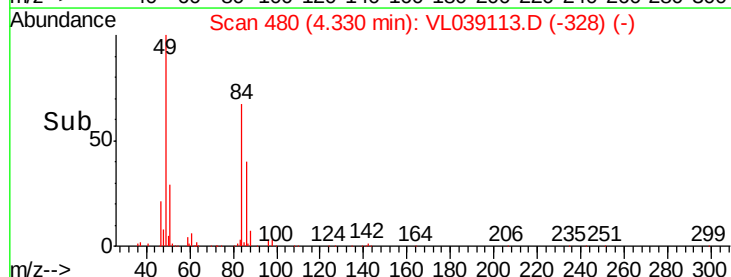
200000

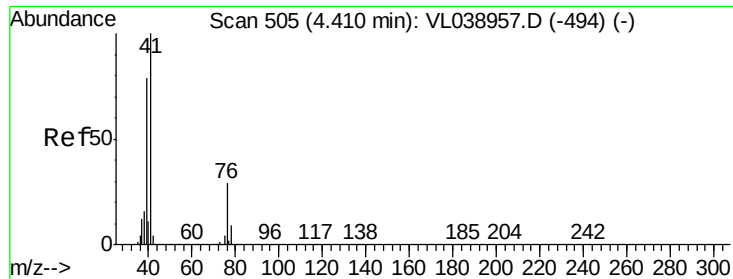
100000

0

4.25 4.30 4.35 4.40

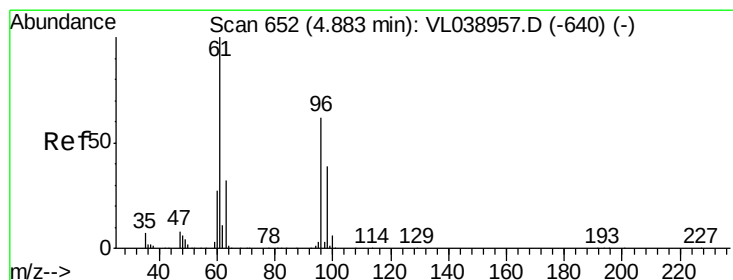
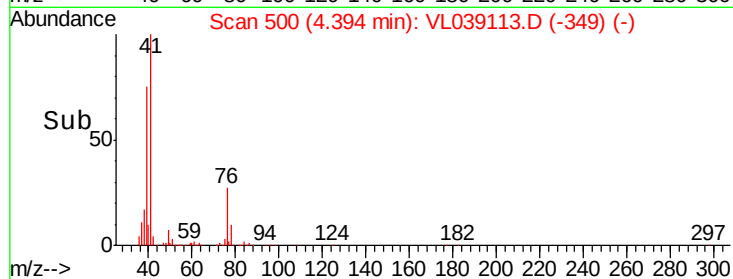
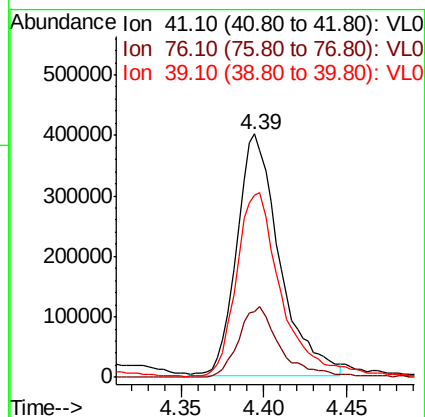
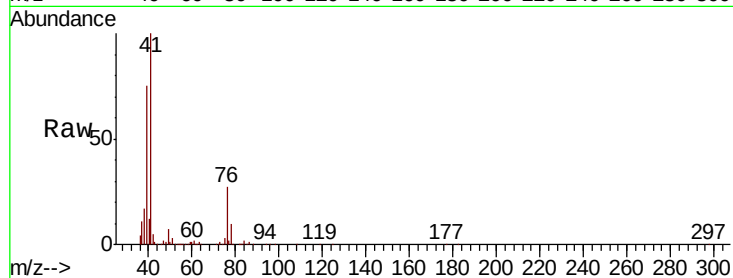
Time-->





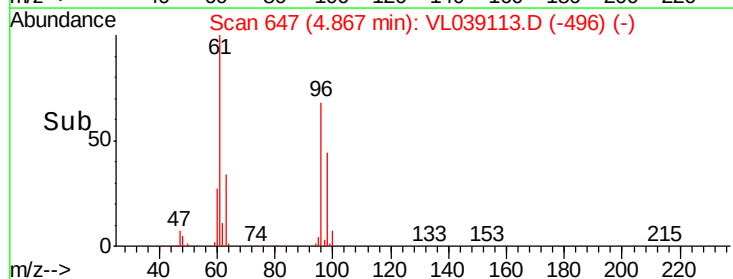
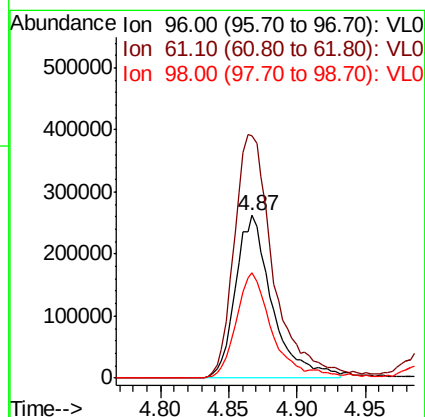
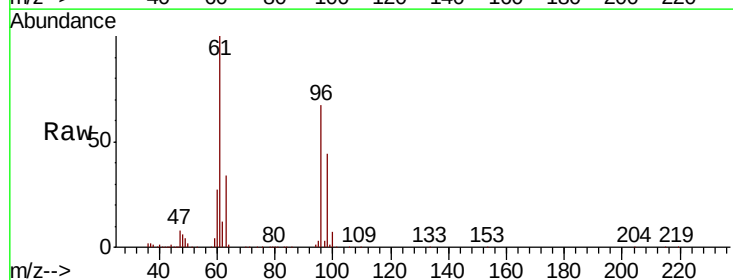
#21
 Allvl Chloride
 Concen: 10.247 ppbv
 RT: 4.39
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

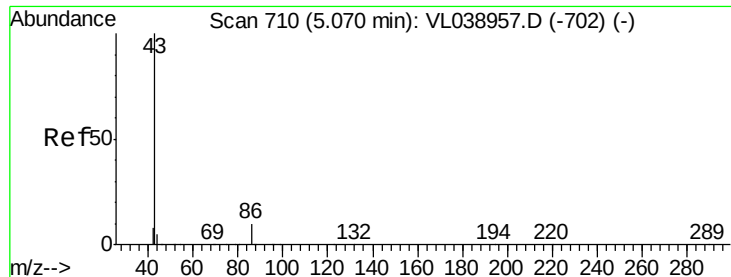
Tot Ion: 41 Resp: 721928
 Ion Ratio Lower Upper
 41 100
 76 28.6 24.2 36.4
 39 78.9 63.8 95.8



#22
 trans-1,2-Dichloroethene
 Concen: 10.369 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

Tgt Ion: 96 Resp: 489273
 Ion Ratio Lower Upper
 96 100
 61 148.6 128.2 192.2
 98 64.9 50.1 75.1





#23

Vinyl Acetate

Concen: 8.600 ppbv

RT: 5.05 Instrument: MSVOA_1

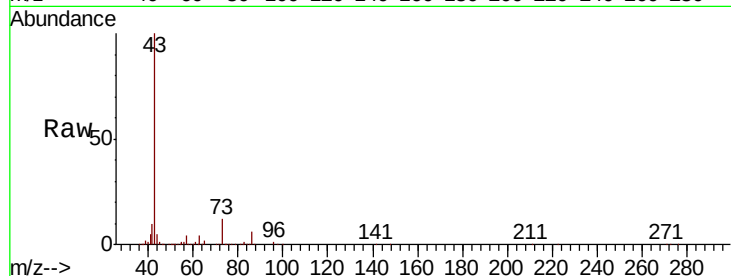
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

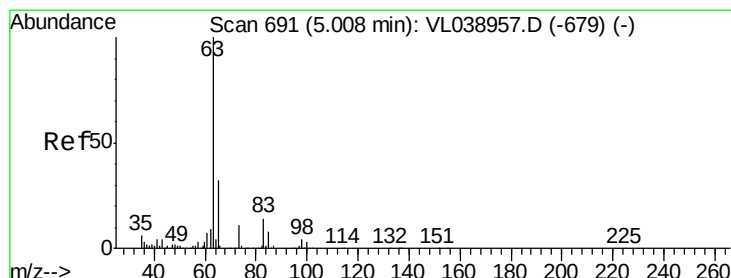
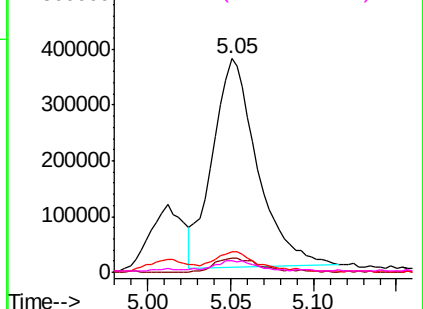
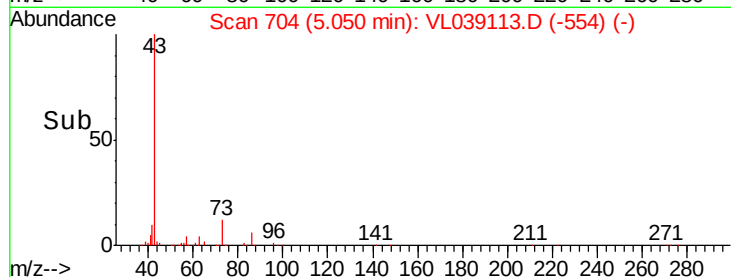
Acq: 24 May 2022 10:28

Tot Ion: 43 Resp: 703543

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.6	9.8#
42	9.7	8.1	12.1
44	4.3	3.5	5.3



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: 10.256 ppbv

RT: 4.99 min Scan# 685

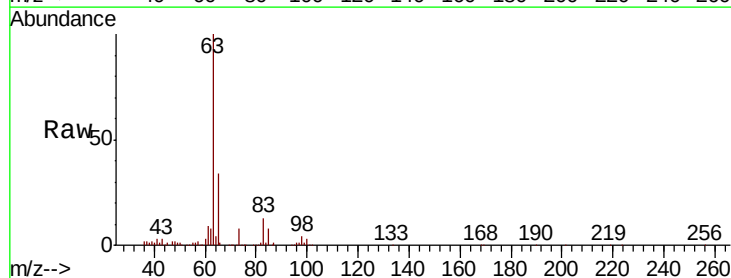
Delta R.T. -0.02 min

Lab File: VL039113.D

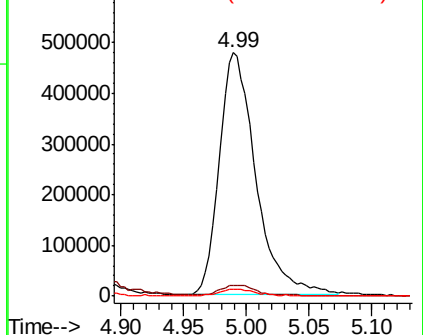
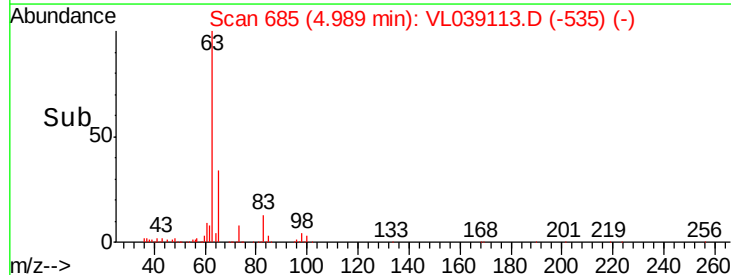
Acq: 24 May 2022 10:28

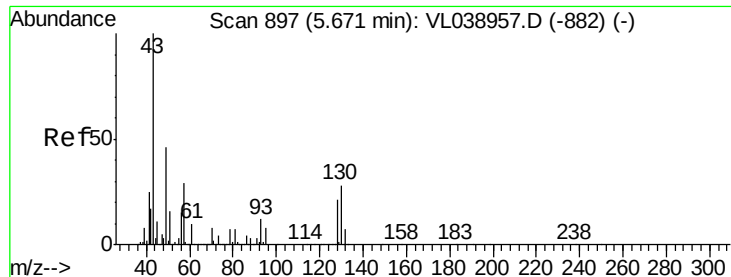
Tgt Ion: 63 Resp: 966141

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.2
100	2.8	1.4	4.2



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

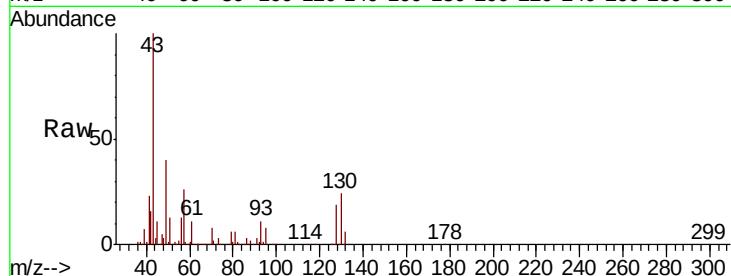




#25
Ethyl Acetate
Concen: 11.380 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 24 May 2022 10:28

Tot Ion: 43 Resp: 2816022

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	10.3	7.8	11.6
70	7.0	5.6	8.4



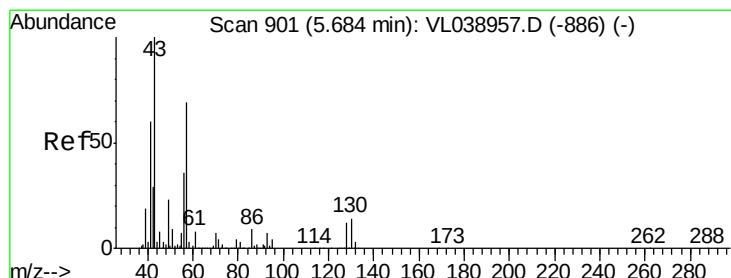
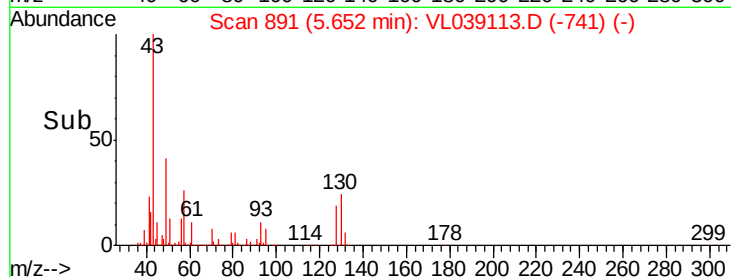
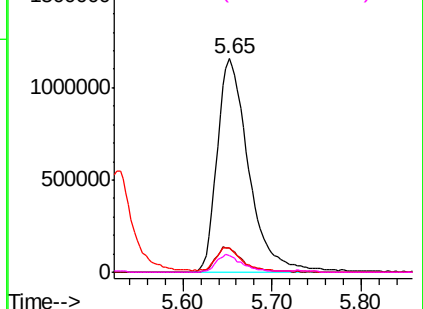
Abundance

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

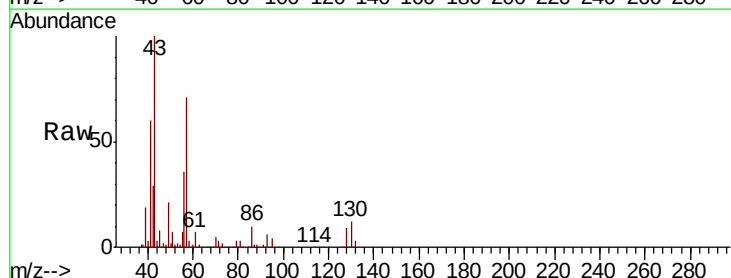
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.284 ppbv
RT: 5.67 min Scan# 896
Delta R.T.: -0.02 min
Lab File: VL039113.D
Acq: 24 May 2022 10:28

Tgt Ion: 57 Resp: 1130760

Ion	Ratio	Lower	Upper
57	100		
41	91.9	75.2	112.8
43	251.3	190.8	286.2
56	52.8	43.0	64.6



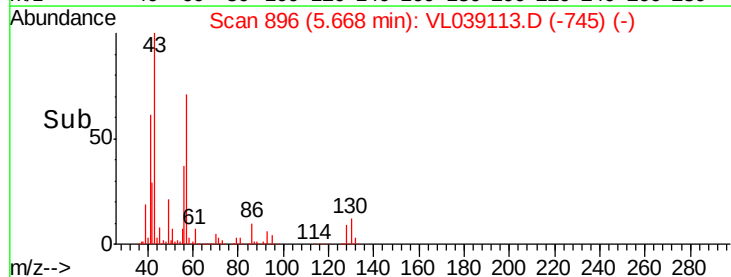
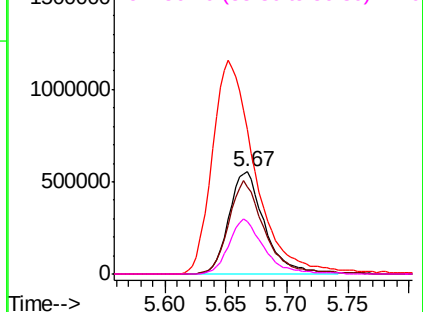
Abundance

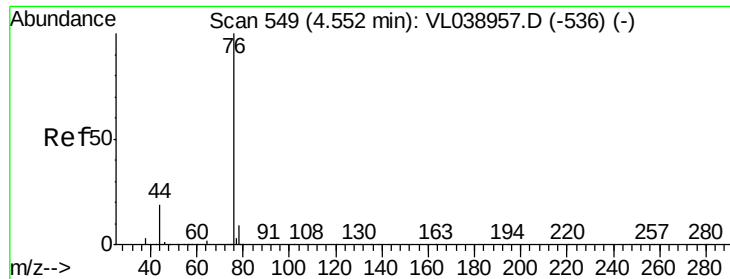
Ion 57.10 (56.80 to 57.80): VL0

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: 10.552 ppbv

RT: 4.53 Instrument:

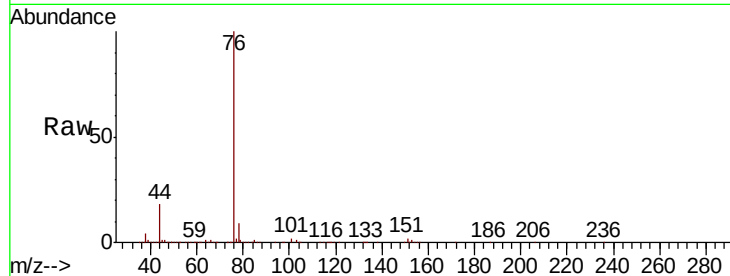
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 May 2022 10:28 VSTDCCC010EC

Tot Ion: 76 Resp: 1102158

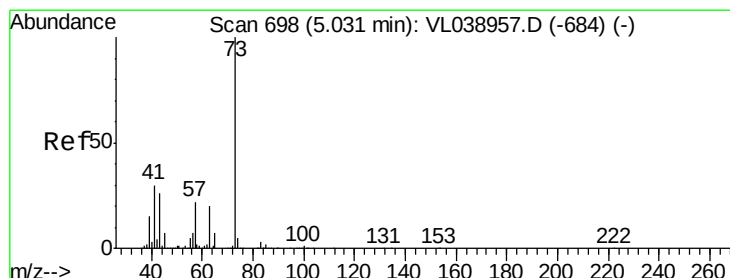
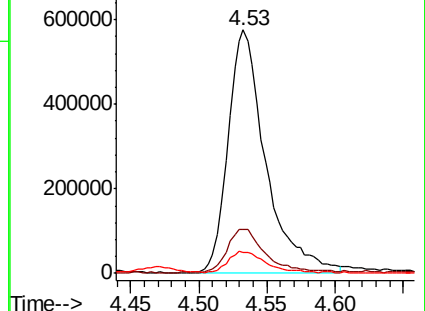
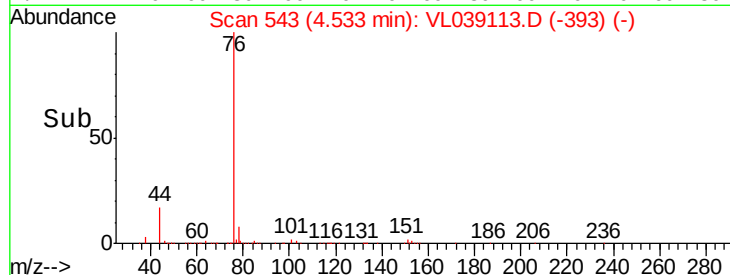
Ion	Ratio	Lower	Upper
76	100		
44	18.5	15.3	22.9
78	9.9	8.2	12.2



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: 10.657 ppbv

RT: 5.01 min Scan# 692

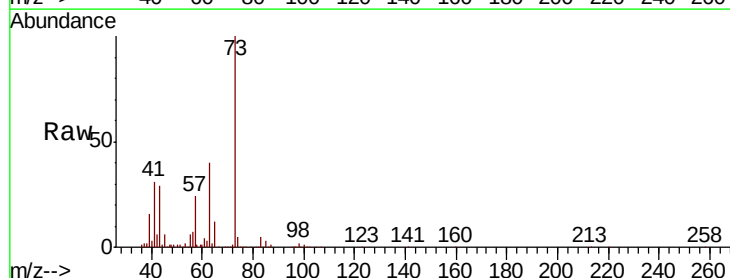
Delta R.T. -0.02 min

Lab File: VL039113.D

Acq: 24 May 2022 10:28

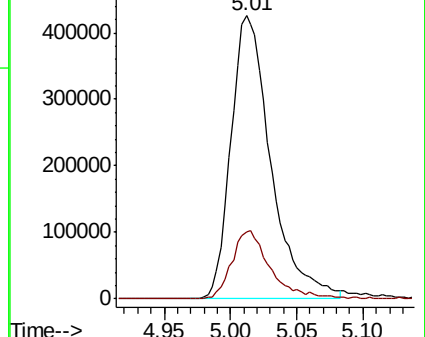
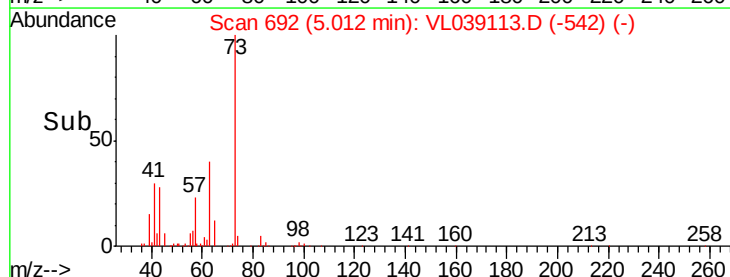
Tgt Ion: 73 Resp: 891562

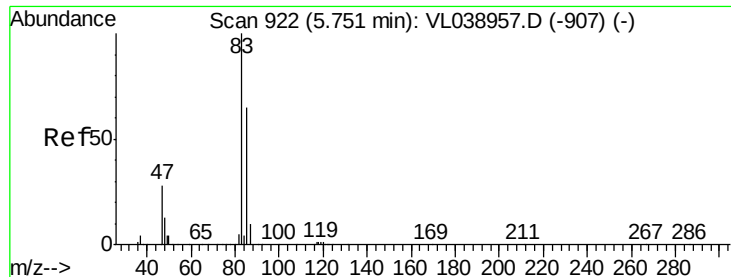
Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.8	28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.902 ppbv

RT: 5.73 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

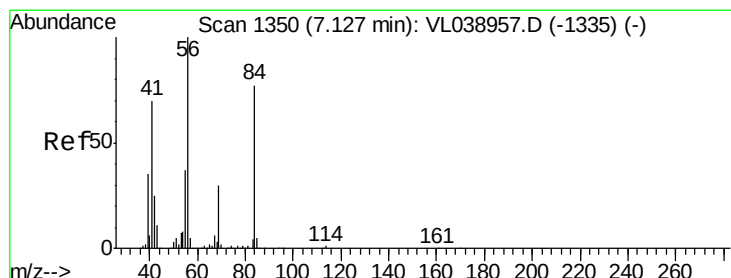
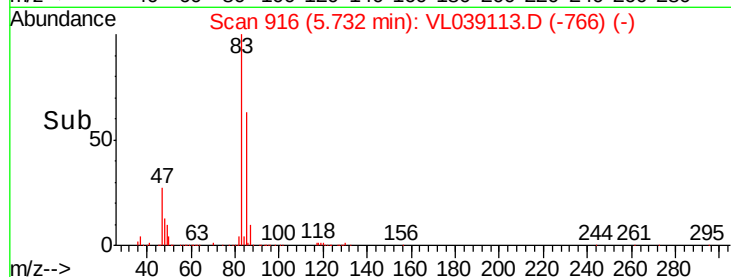
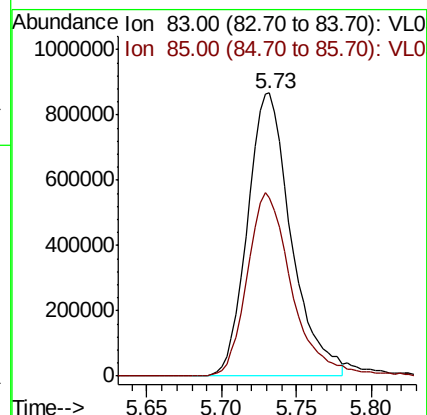
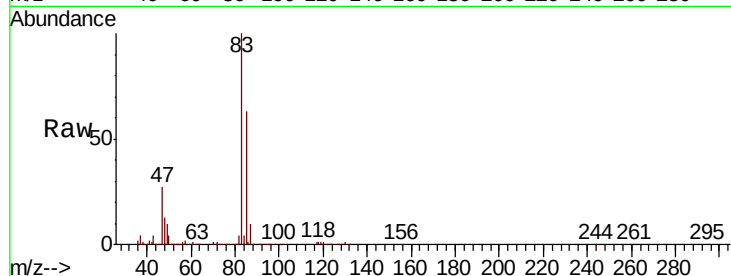
Acq: 24 May 2022 10:28 VSTDCCC010EC

Tot Ion: 83 Resp: 1761470

Ion Ratio Lower Upper

83 100

85 63.1 51.8 77.6



#30

Cyclohexane

Concen: 9.979 ppbv

RT: 7.11 min Scan# 1343

Delta R.T. -0.02 min

Lab File: VL039113.D

Acq: 24 May 2022 10:28

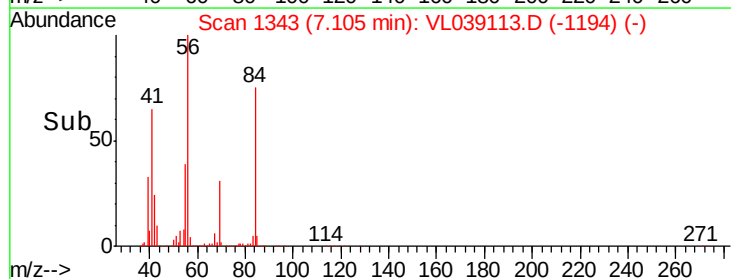
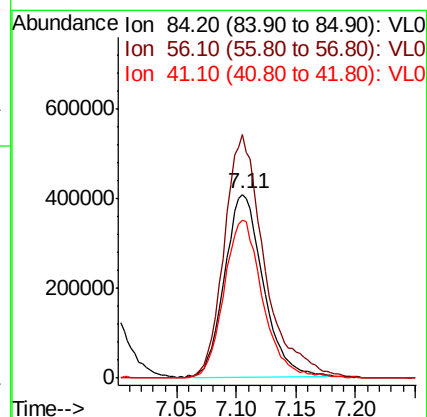
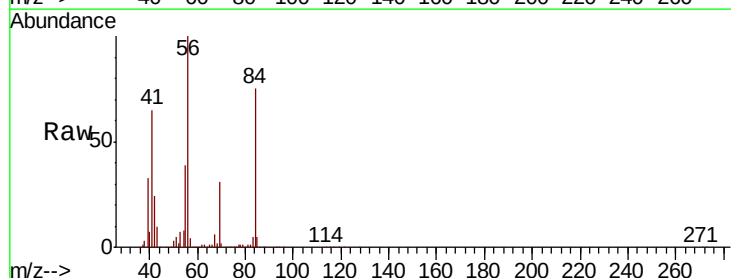
Tgt Ion: 84 Resp: 918617

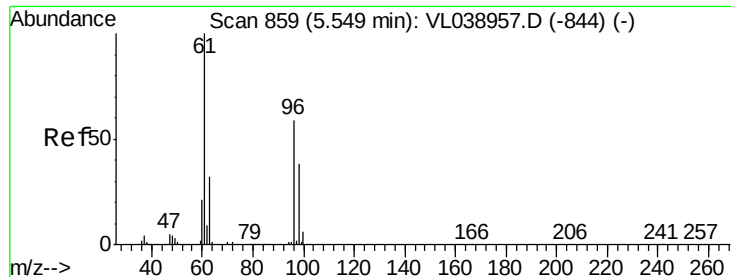
Ion Ratio Lower Upper

84 100

56 139.2 115.3 172.9

41 87.0 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 10.038 ppbv

RT: 5.53 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 24 May 2022 10:28 VSTDCCC010EC

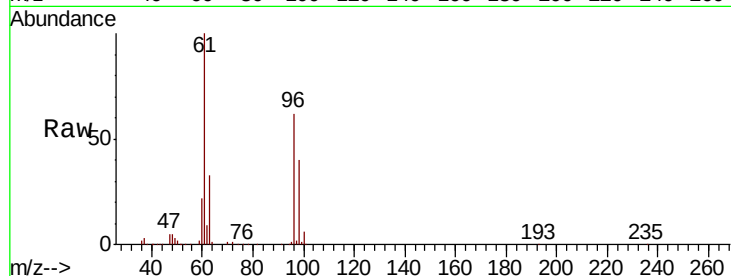
Tot Ion: 61 Resp: 1124383

Ion Ratio Lower Upper

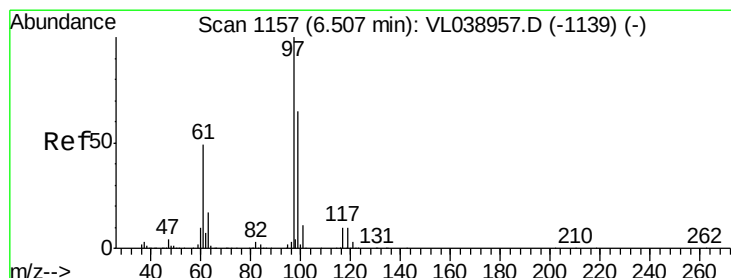
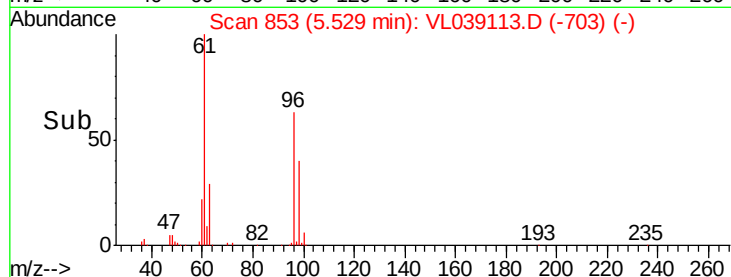
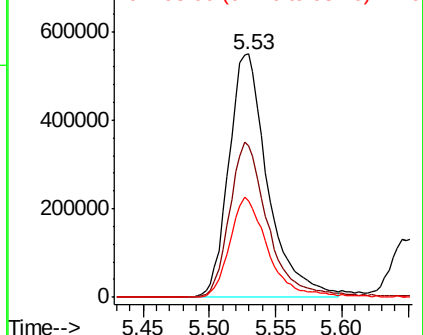
61 100

96 62.2 47.4 71.0

98 39.6 30.6 45.8



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: 10.241 ppbv

RT: 6.49 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VL039113.D

Acq: 24 May 2022 10:28

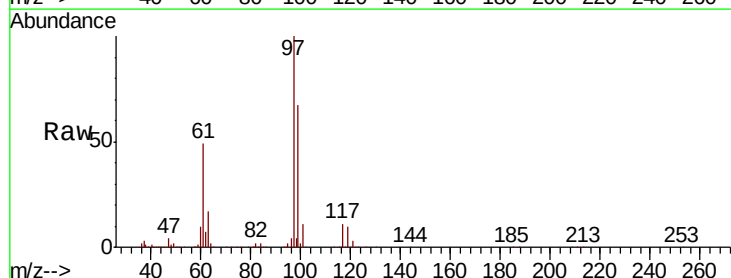
Tgt Ion: 97 Resp: 1821550

Ion Ratio Lower Upper

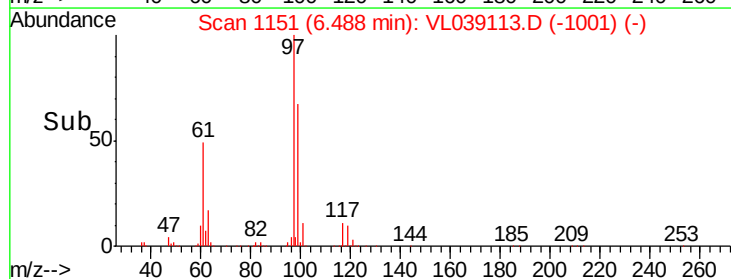
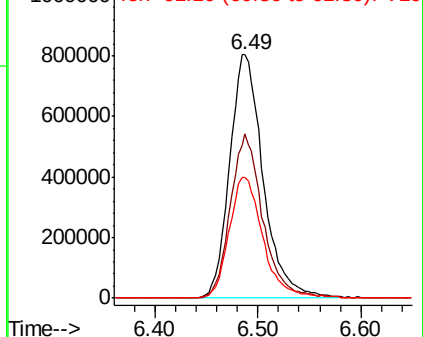
97 100

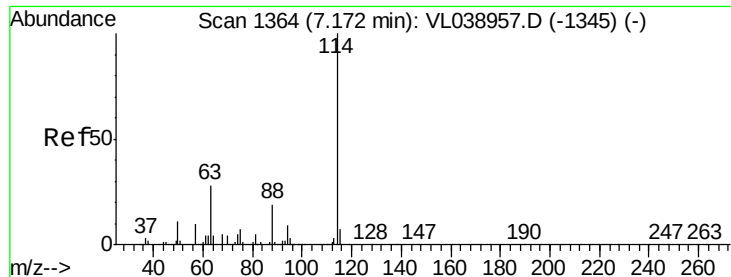
99 65.4 51.9 77.9

61 50.2 40.9 61.3



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

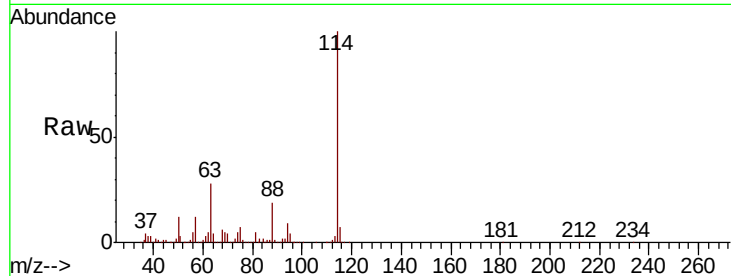




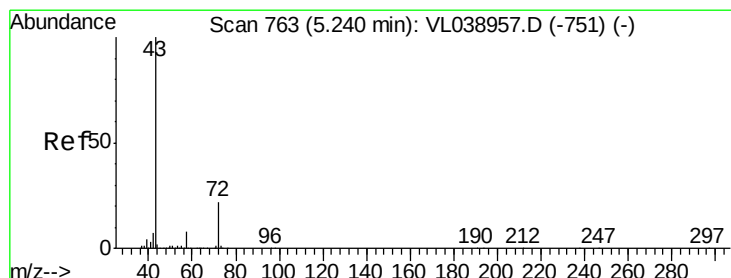
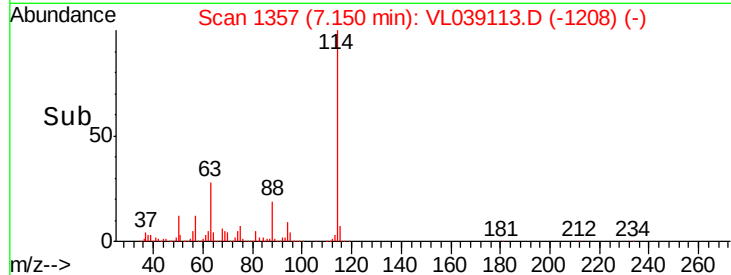
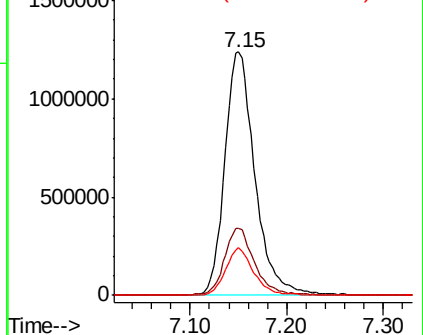
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

Tot Ion:114 Resp: 2680084

Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.6	33.8
88	18.5	15.4	23.0



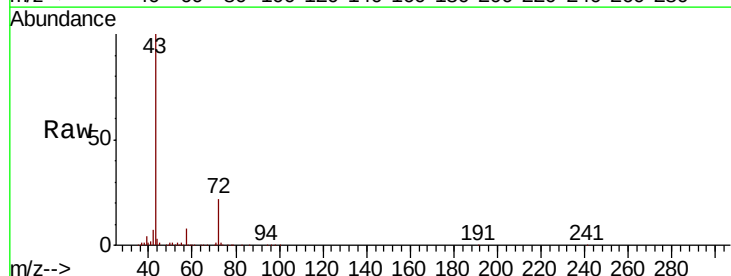
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



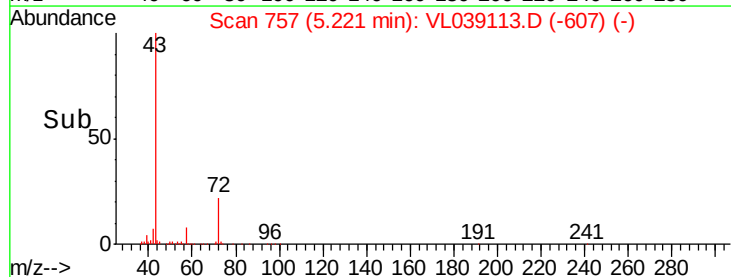
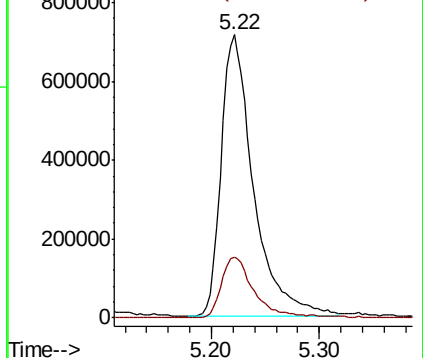
#34
 2-Butanone
 Concen: 10.906 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.02 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

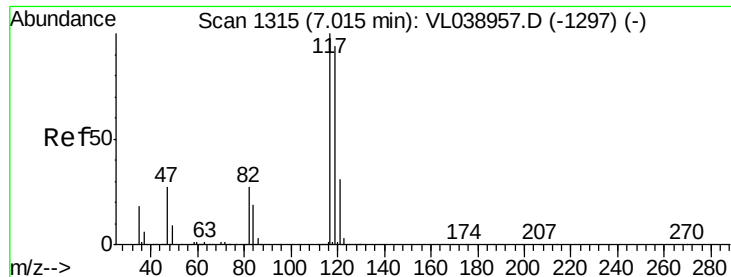
Tgt Ion: 43 Resp: 1491150

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.8	26.6



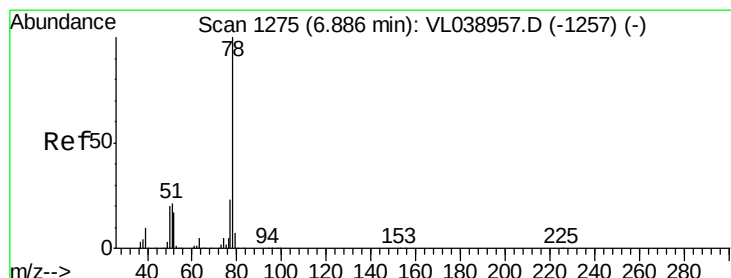
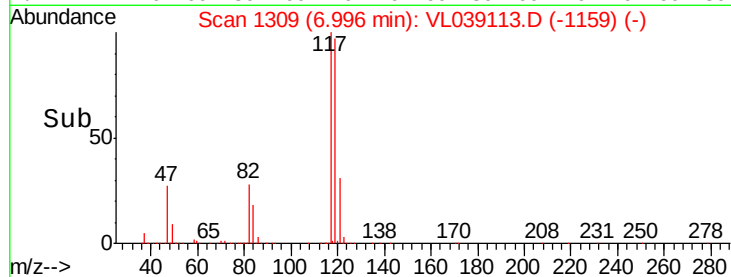
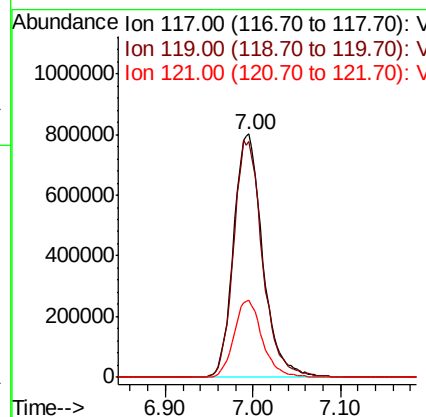
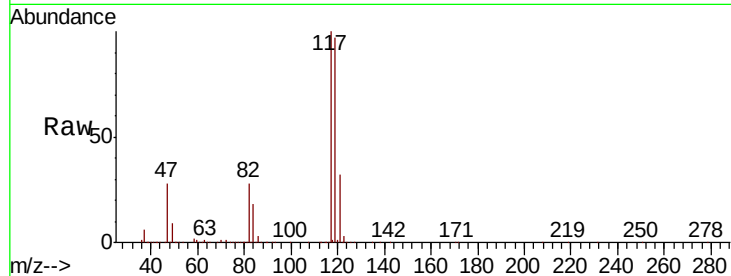
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





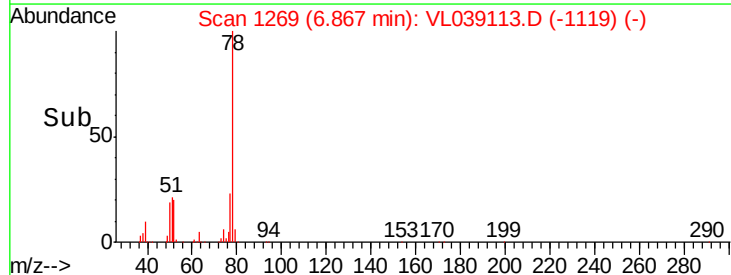
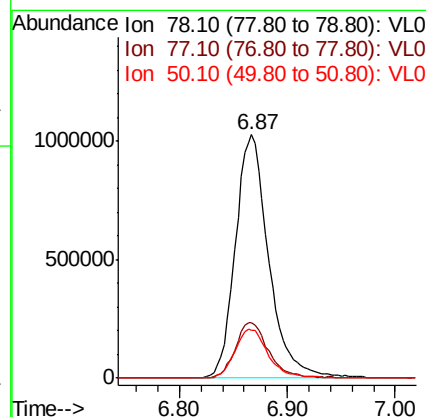
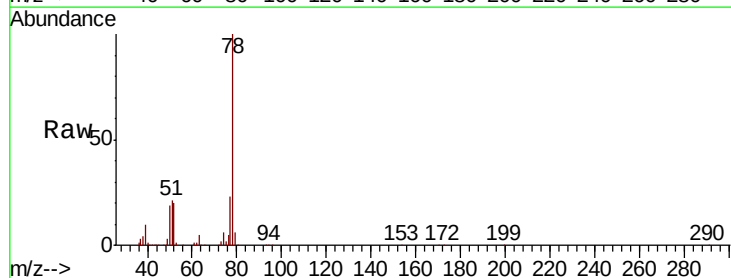
#35
Carbon Tetrachloride
Concen: 10.494 ppbv
RT: 7.00
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 24 May 2022 10:28

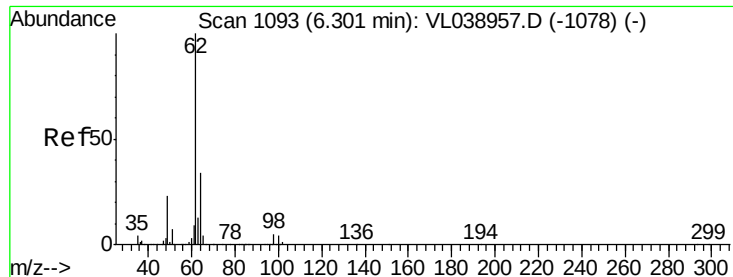
Tot Ion:117 Resp: 1853169
Ion Ratio Lower Upper
117 100
119 97.0 75.2 112.8
121 31.5 24.6 37.0



#36
Benzene
Concen: 9.644 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.02 min
Lab File: VL039113.D
Acq: 24 May 2022 10:28

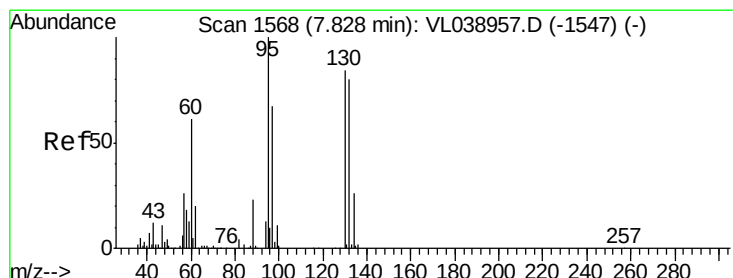
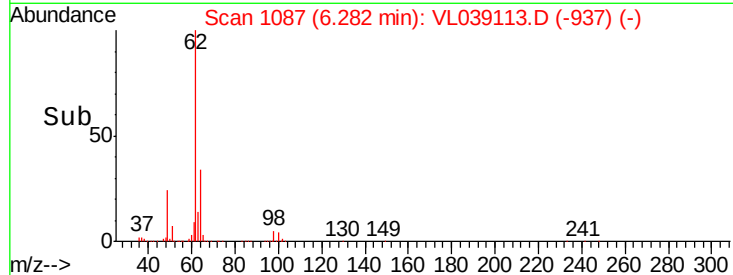
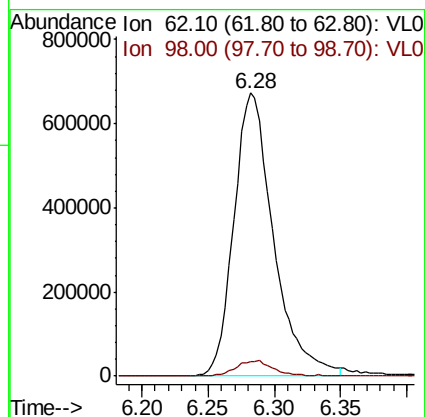
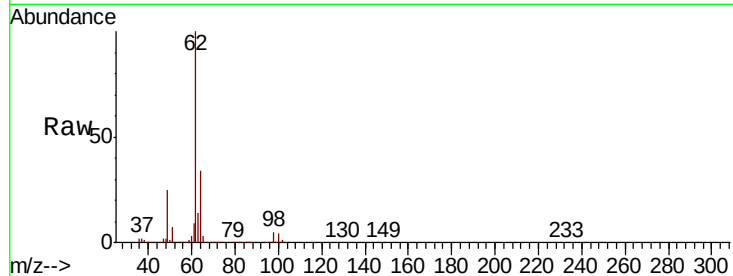
Tgt Ion: 78 Resp: 2211912
Ion Ratio Lower Upper
78 100
77 22.8 18.6 28.0
50 19.5 15.6 23.4





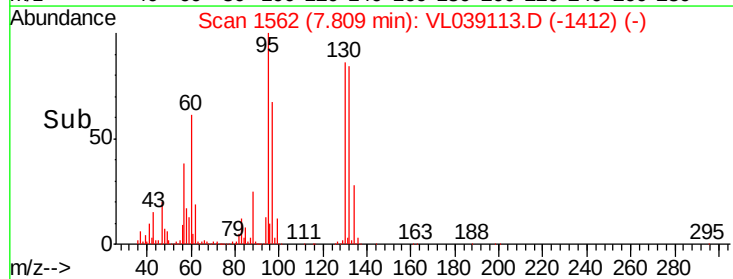
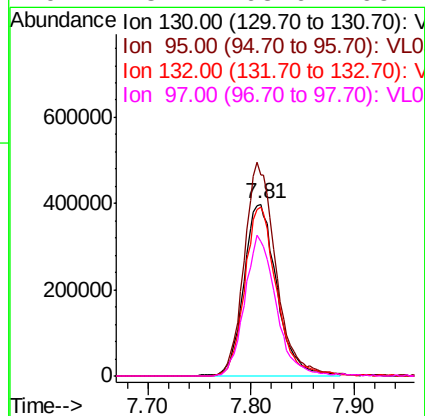
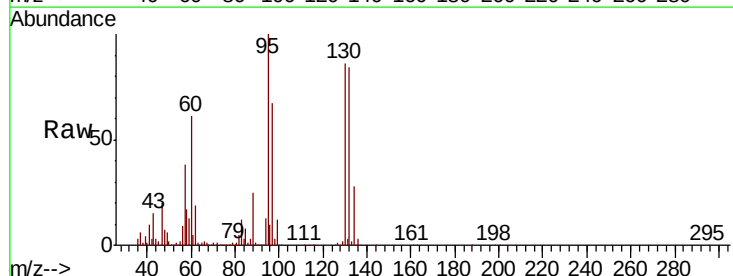
#37
 1,2-Dichloroethane
 Concen: 9.859 ppbv
 RT: 6.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

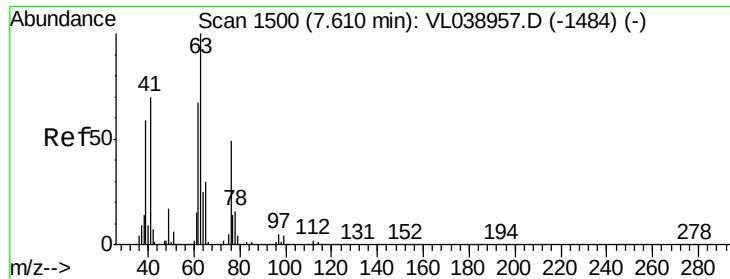
Tot Ion: 62 Resp: 1399068
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#38
 Trichloroethene
 Concen: 8.649 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

Tgt Ion: 130 Resp: 881871
 Ion Ratio Lower Upper
 130 100
 95 117.0 94.8 142.2
 132 98.1 75.8 113.8
 97 78.4 63.6 95.4





#39

1,2-Dichloropropane

Concen: 9.905 ppbv

RT: 7.59 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 24 May 2022 10:28

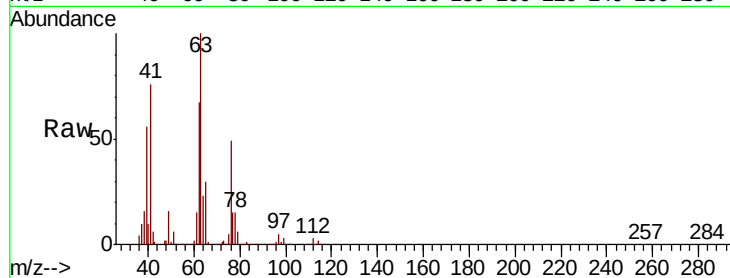
Tot Ion: 63 Resp: 883909

Ion Ratio Lower Upper

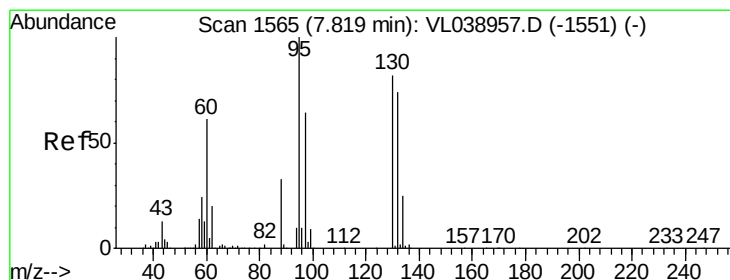
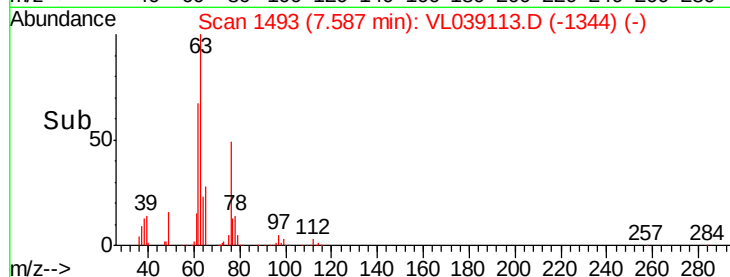
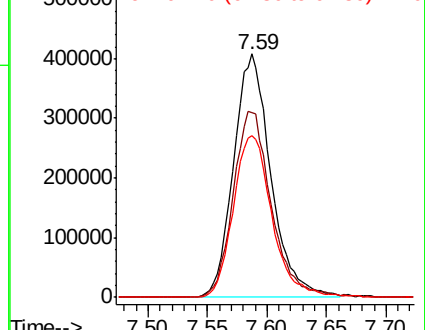
63 100

41 75.9 55.9 83.9

62 66.3 53.8 80.6



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: 9.722 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.02 min

Lab File: VL039113.D

Acq: 24 May 2022 10:28

Tgt Ion: 88 Resp: 311626

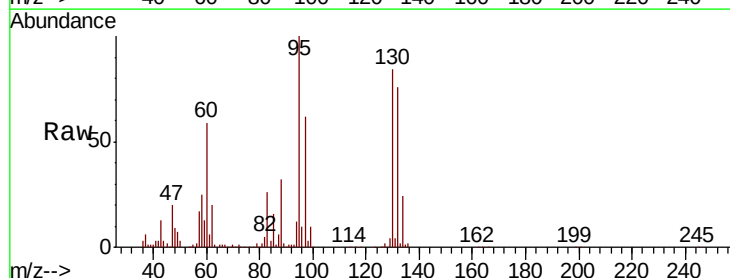
Ion Ratio Lower Upper

88 100

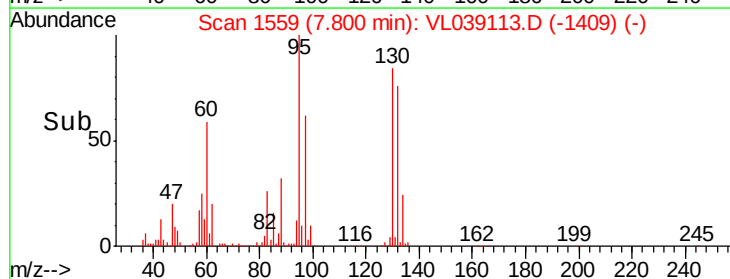
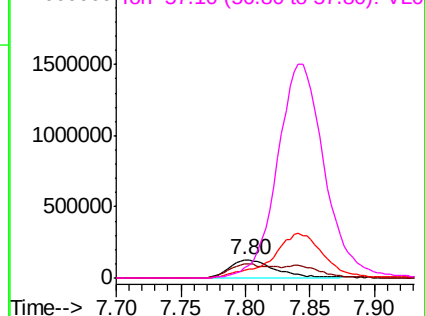
58 134.5 106.1 159.1

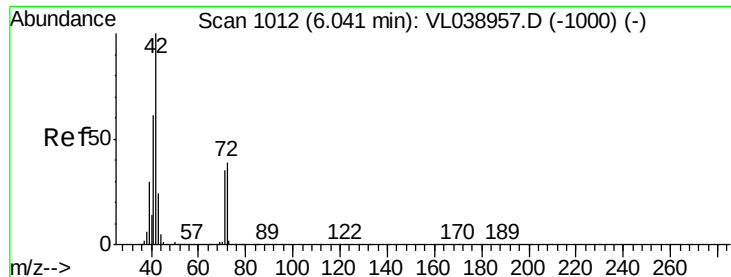
43 282.6 222.9 334.3

57 1235.3 957.6 1436.4



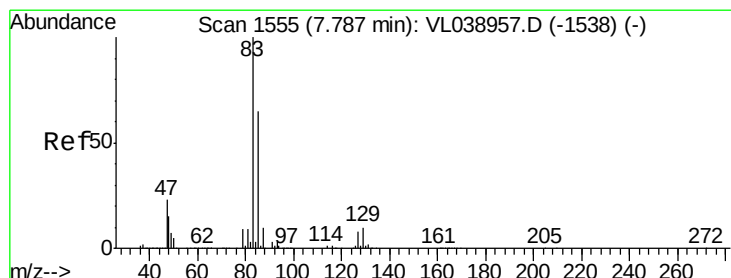
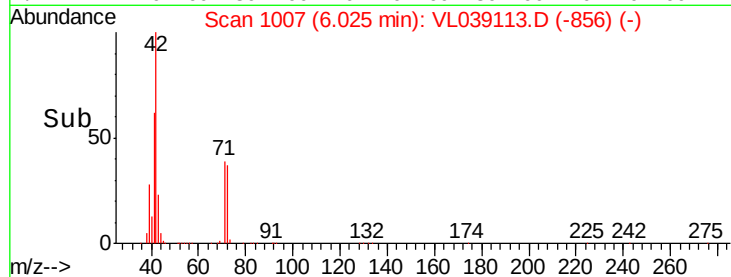
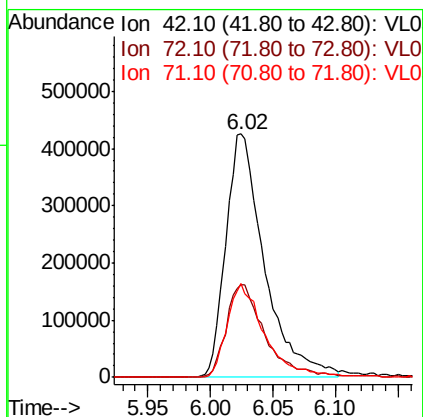
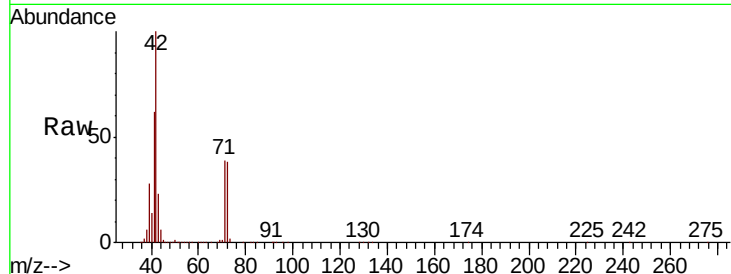
Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





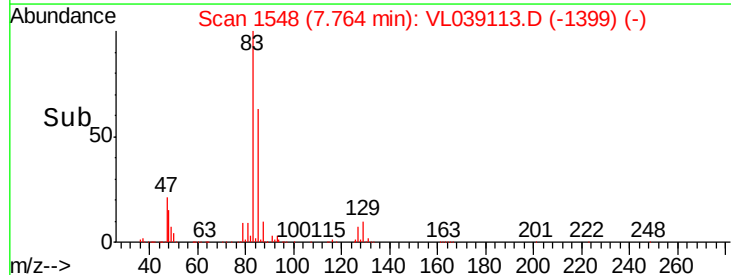
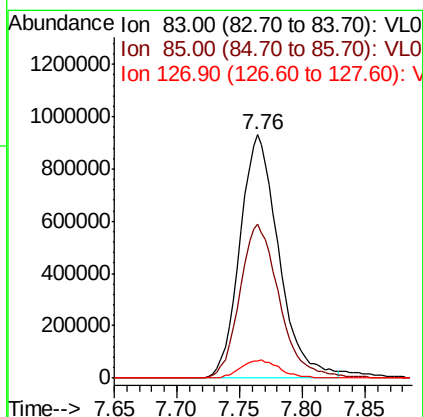
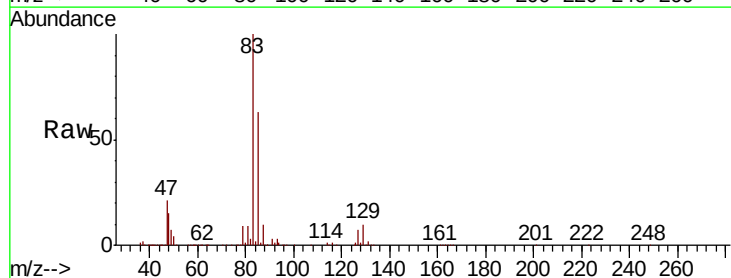
#41
Tetrahydrofuran
Concen: 9.881 ppbv
RT: 6.02
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 24 May 2022 10:28

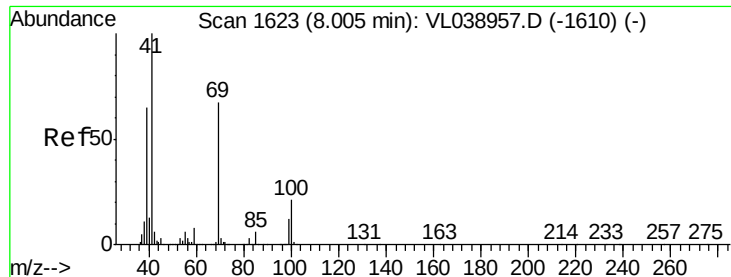
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.8	47.6
71	38.3	30.6	45.8



#42
Bromodichloromethane
Concen: 10.308 ppbv
RT: 7.76 min Scan# 1548
Delta R.T.: -0.02 min
Lab File: VL039113.D
Acq: 24 May 2022 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.0	78.0
127	7.1	6.0	9.0





#43

Methyl Methacrylate

Concen: 10.522 ppbv

RT: 7.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 May 2022 10:28 VSTDCCC010EC

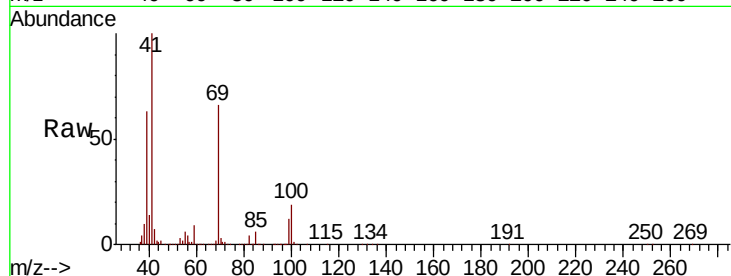
Tot Ion: 69 Resp: 979737

Ion Ratio Lower Upper

69 100

41 150.2 121.9 182.9

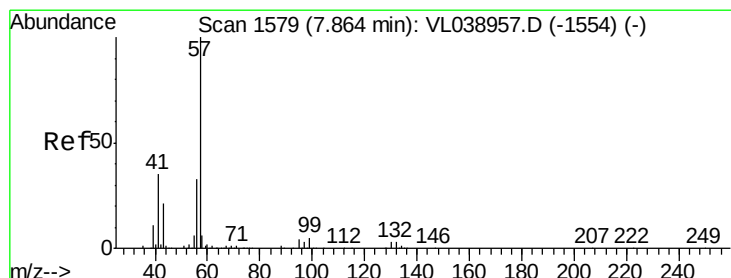
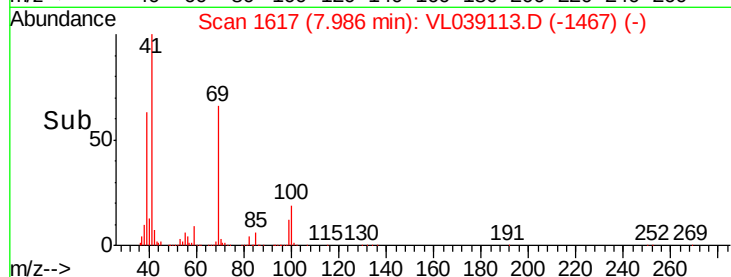
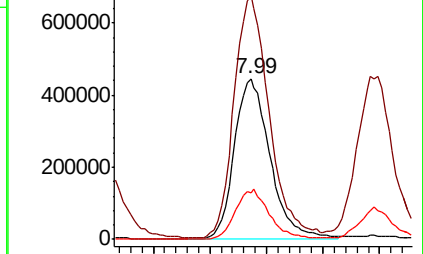
100 29.6 24.6 36.8



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.552 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.02 min

Lab File: VL039113.D

Acq: 24 May 2022 10:28

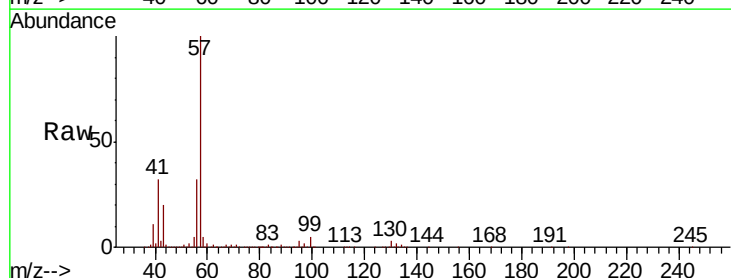
Tgt Ion: 57 Resp: 3844305

Ion Ratio Lower Upper

57 100

41 32.8 26.3 39.5

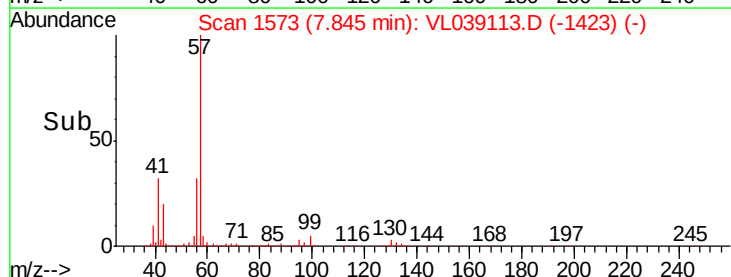
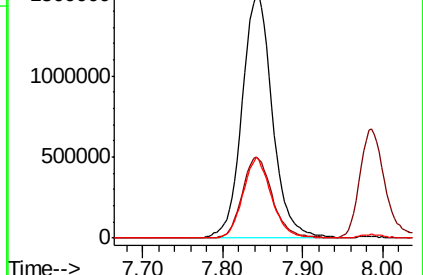
56 31.1 24.6 37.0

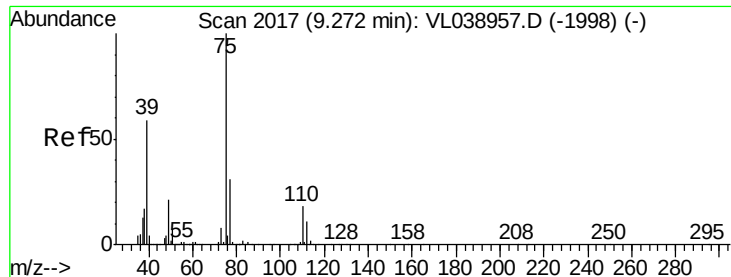


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 8.563 ppbv

RT: 9.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

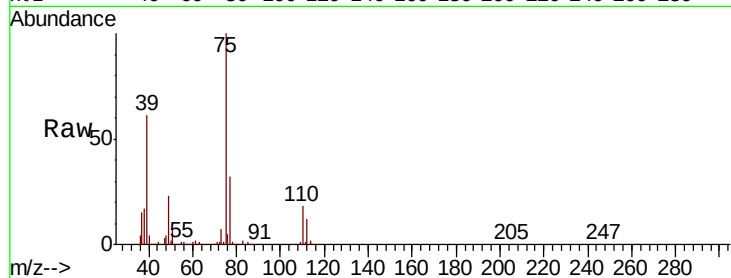
Acq: 24 May 2022 10:28 VSTDCCC010EC

Tot Ion: 75 Resp: 771762

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.25

400000

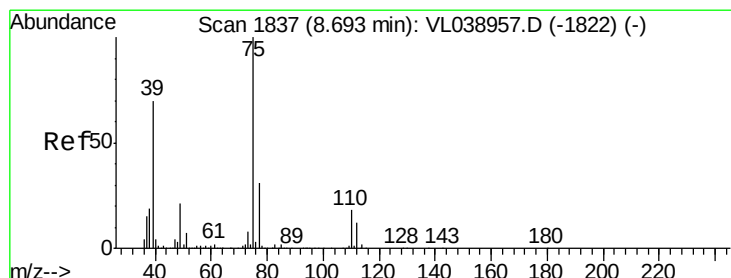
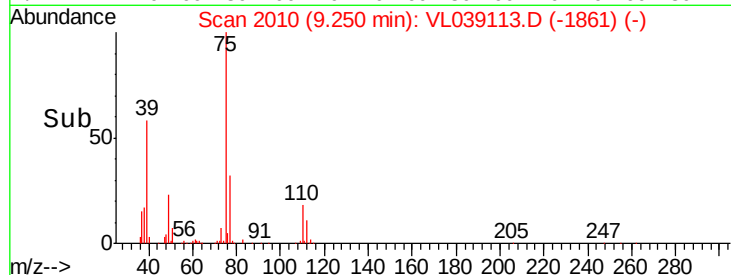
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.194 ppbv

RT: 8.67 min Scan# 1831

Delta R.T. -0.02 min

Lab File: VL039113.D

Acq: 24 May 2022 10:28

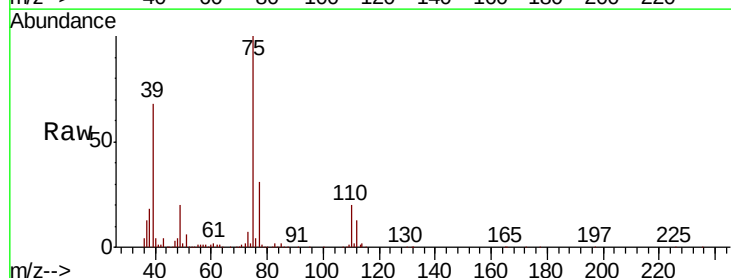
Tgt Ion: 75 Resp: 1098867

Ion Ratio Lower Upper

75 100

39 68.0 55.8 83.6

77 31.1 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

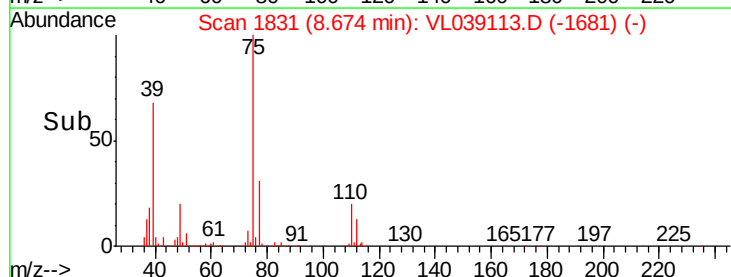
600000

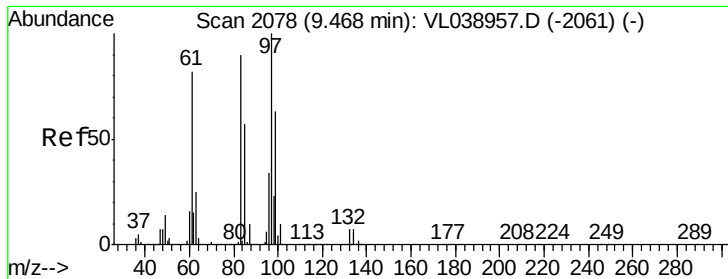
400000

200000

0

Time-->

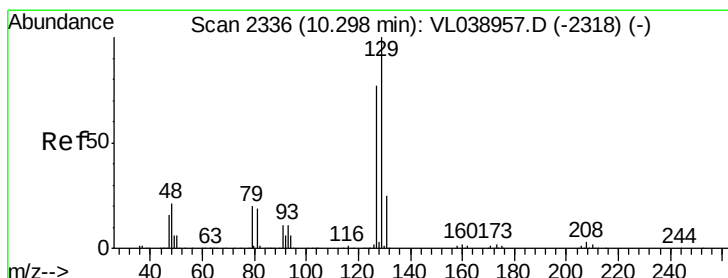
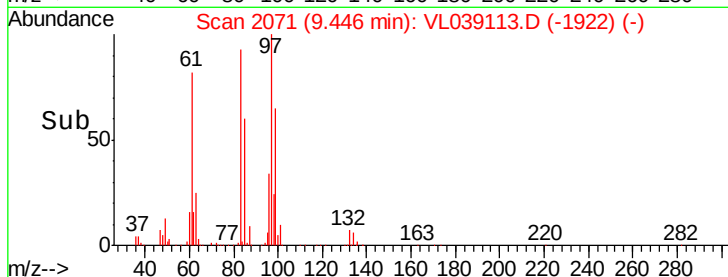
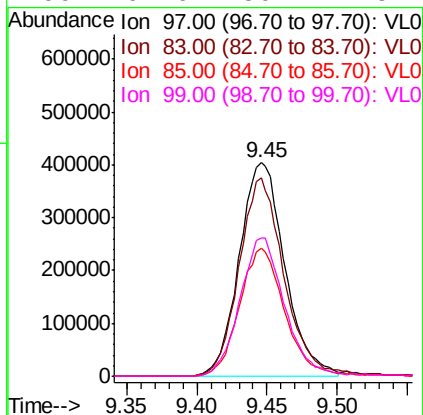
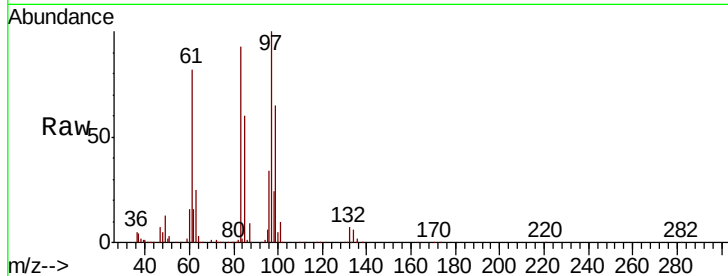




#47
 1,1,2-Trichloroethane
 Concen: 9.819 ppbv
 RT: 9.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

Tot Ion: 97 Resp: 911362

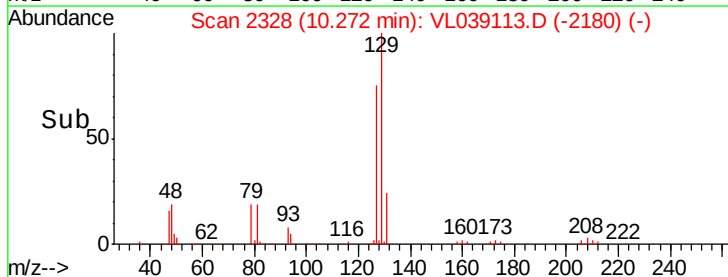
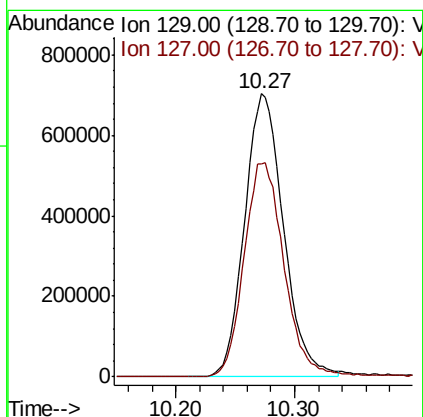
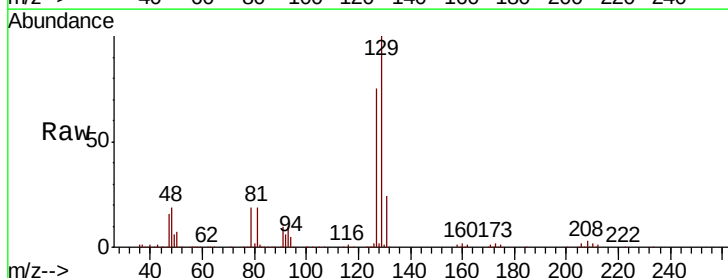
Ion	Ratio	Lower	Upper
97	100		
83	93.1	72.0	108.0
85	59.9	45.7	68.5
99	64.6	50.2	75.4

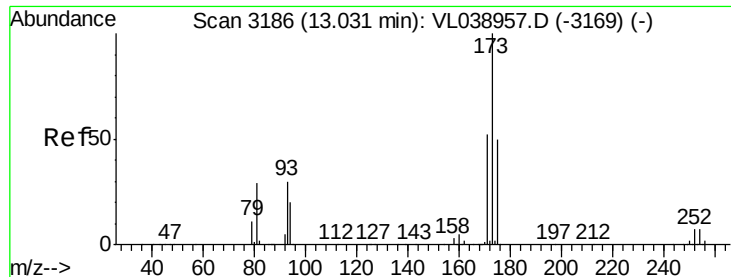


#48
 Dibromochloromethane
 Concen: 10.532 ppbv
 RT: 10.27 min Scan# 2328
 Delta R.T. -0.03 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

Tgt Ion: 129 Resp: 1591152

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.3	117.9





#49

Bromoform

Concen: 11.119 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 May 2022 10:28

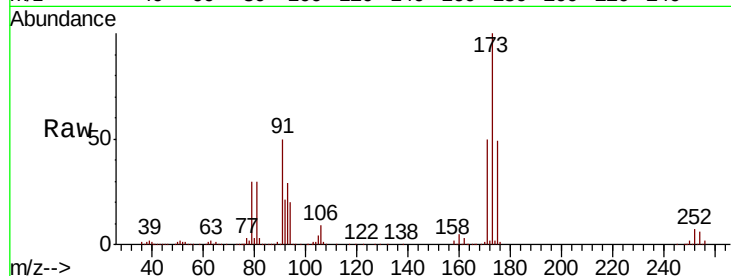
Tot Ion:173 Resp: 1281081

Ion Ratio Lower Upper

173 100

175 50.9 41.0 61.6

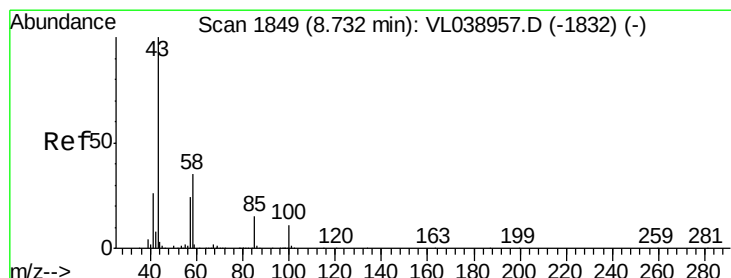
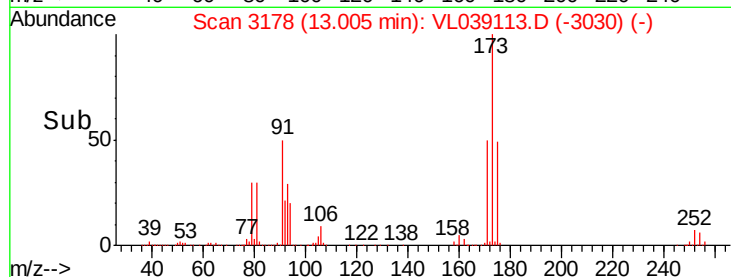
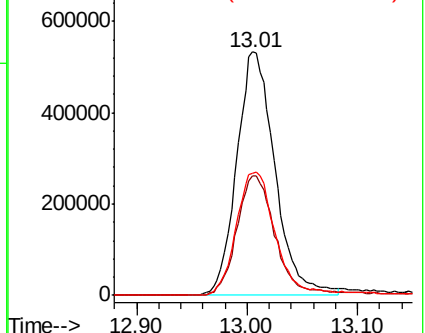
171 53.0 42.6 64.0



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: 9.651 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.02 min

Lab File: VL039113.D

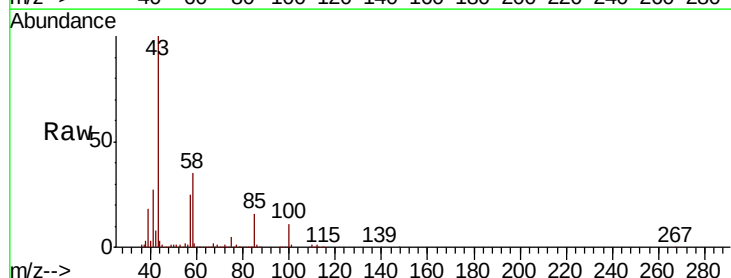
Acq: 24 May 2022 10:28

Tgt Ion: 43 Resp: 2313955

Ion Ratio Lower Upper

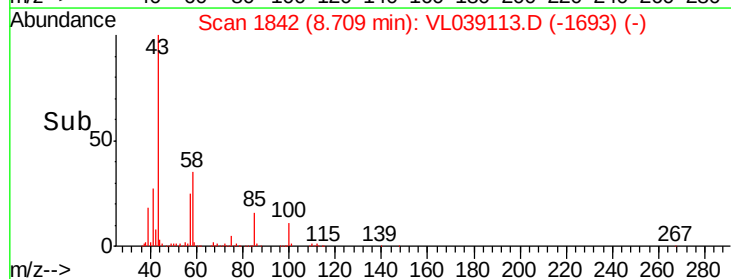
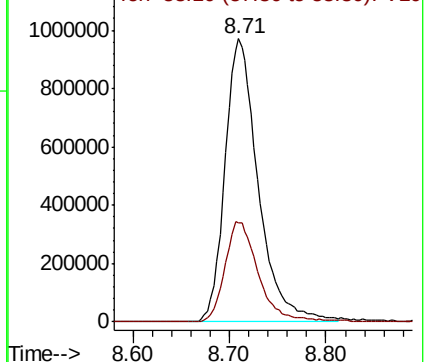
43 100

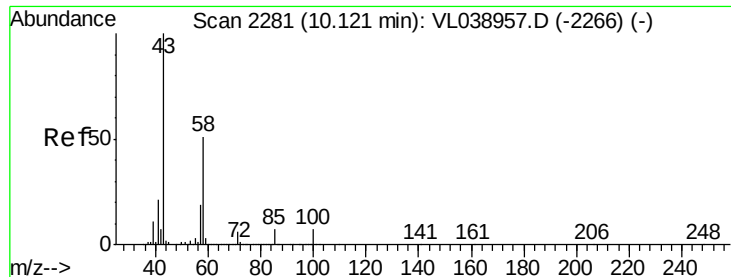
58 36.1 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

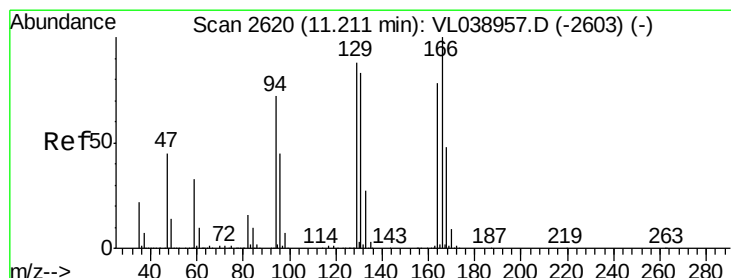
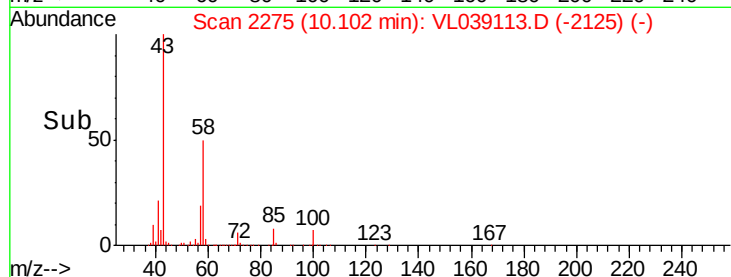
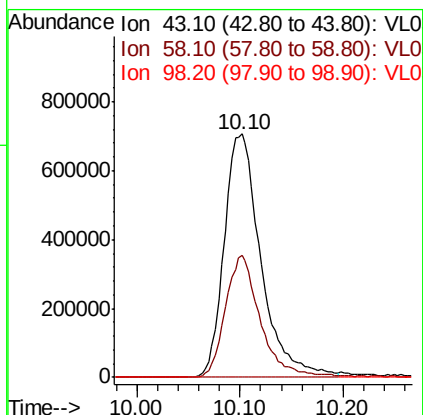
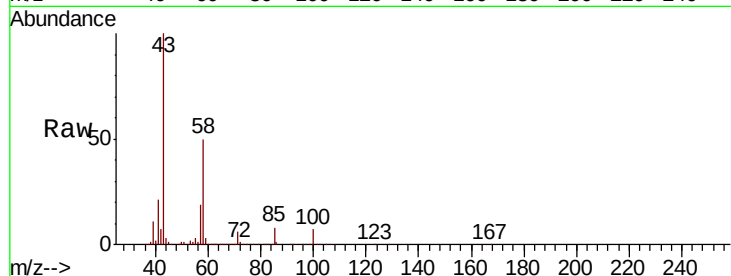
Ion 58.10 (57.80 to 58.80): VL0





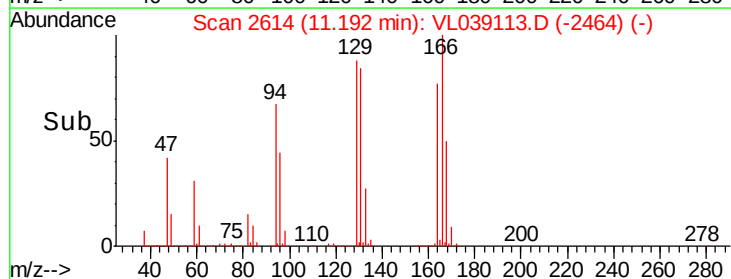
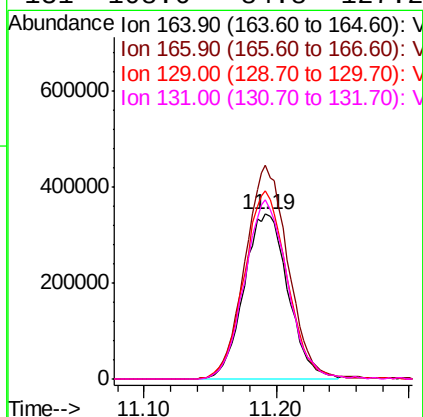
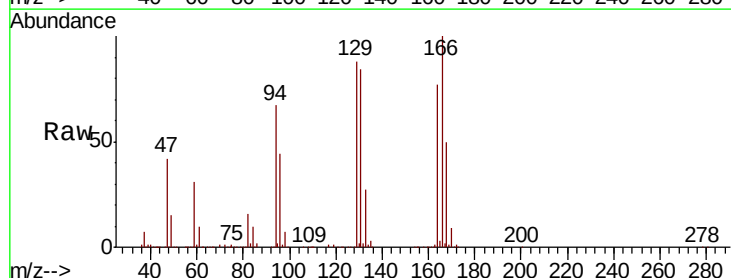
#51
2-Hexanone
Concen: 9.981 ppbv
RT: 10.10
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 24 May 2022 10:28

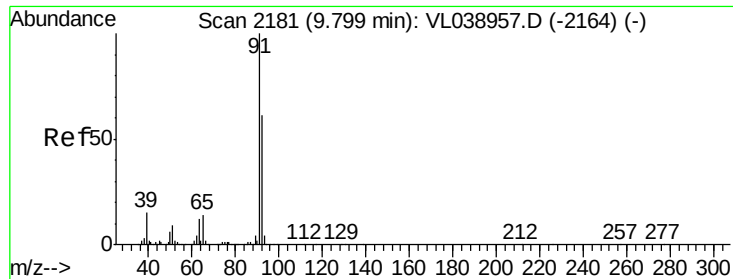
Tot Ion: 43 Resp: 1746585
Ion Ratio Lower Upper
43 100
58 48.9 39.3 58.9
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 9.656 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.02 min
Lab File: VL039113.D
Acq: 24 May 2022 10:28

Tgt Ion: 164 Resp: 791459
Ion Ratio Lower Upper
164 100
166 129.7 102.5 153.7
129 114.6 90.1 135.1
131 108.6 84.8 127.2





#53

Toluene

Concen: 10.056 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

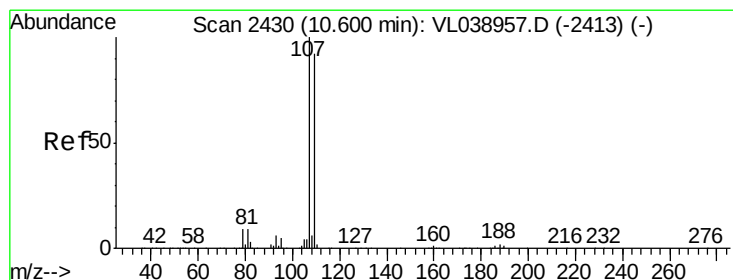
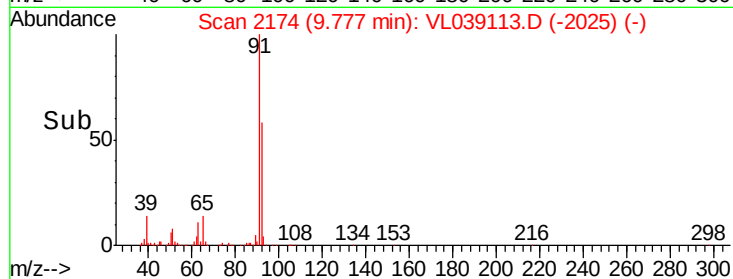
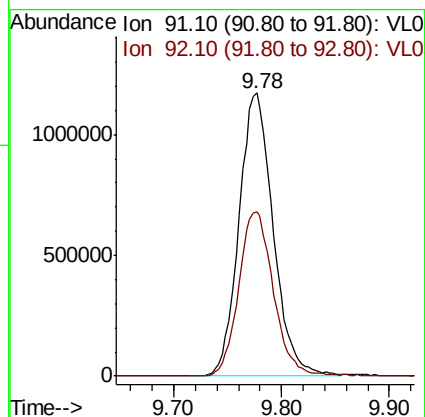
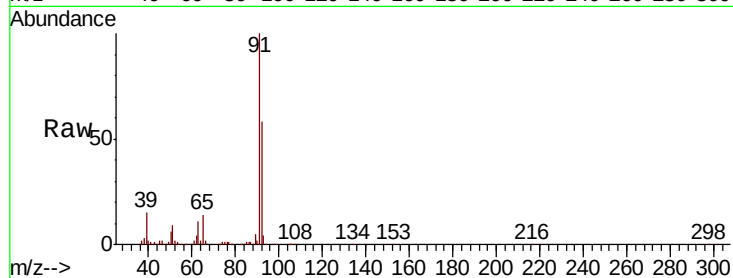
Acq: 24 May 2022 10:28 VSTDCCC010EC

Tot Ion: 91 Resp: 2585061

Ion Ratio Lower Upper

91 100

92 59.6 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.511 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.02 min

Lab File: VL039113.D

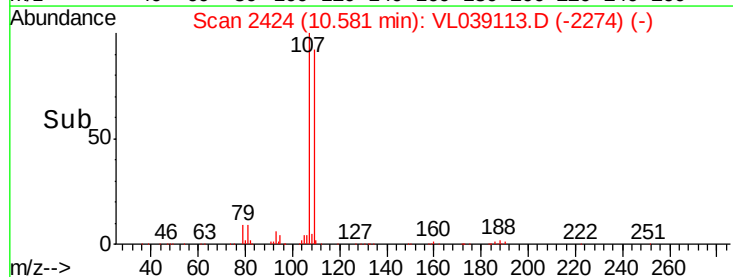
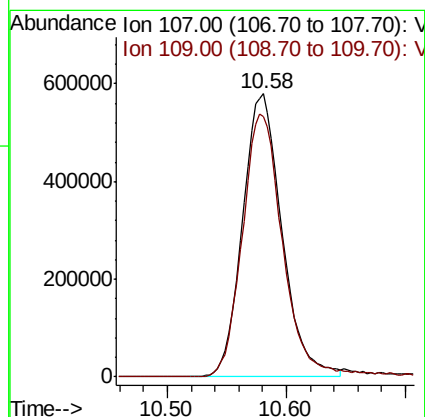
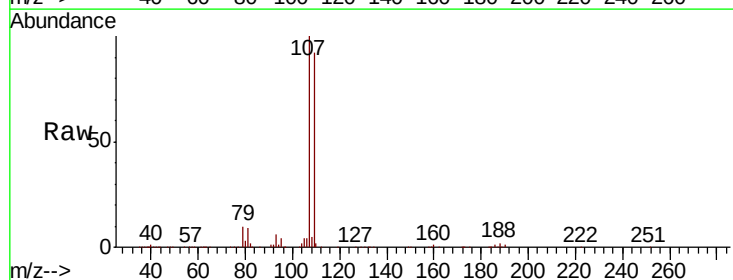
Acq: 24 May 2022 10:28

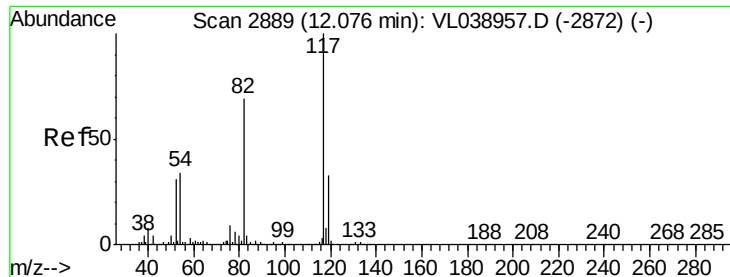
Tgt Ion: 107 Resp: 1328188

Ion Ratio Lower Upper

107 100

109 92.1 73.8 110.8

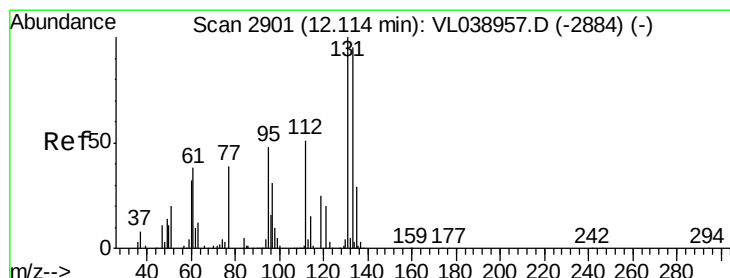
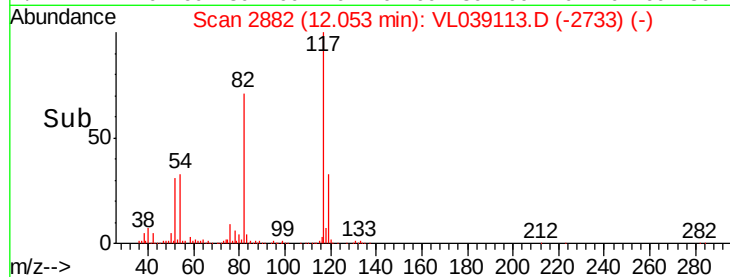
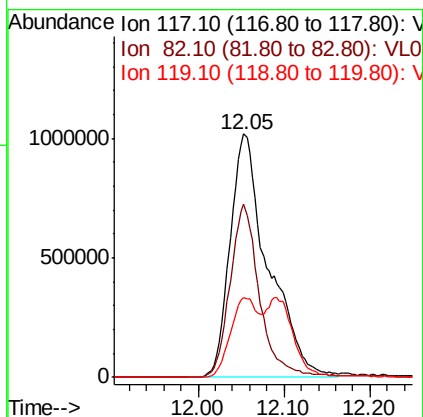
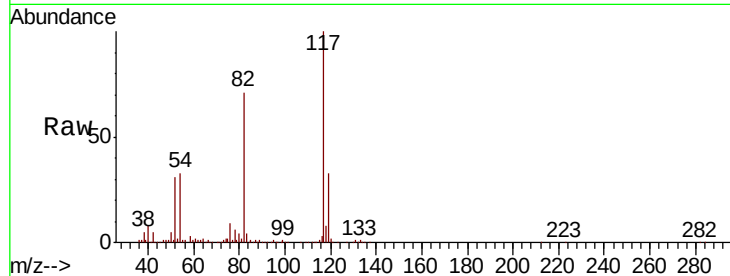




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: VSTDCCC010EC
Acq: 24 May 2022 10:28

Tot Ion:117 Resp: 3133256

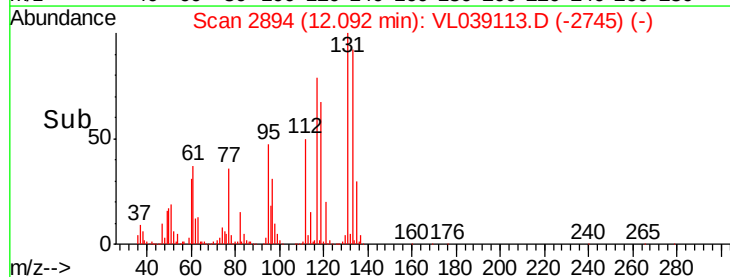
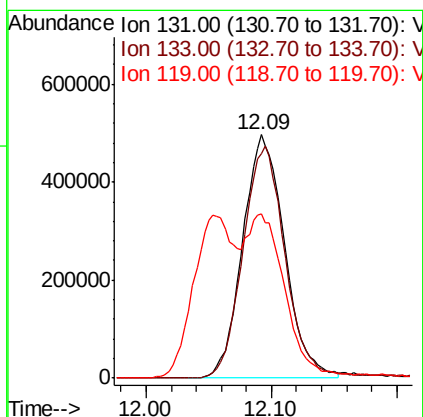
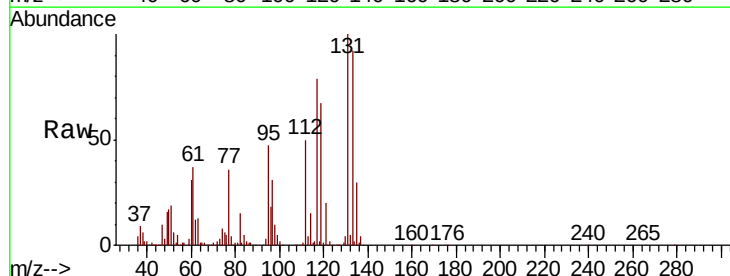
Ion	Ratio	Lower	Upper
117	100		
82	56.2	57.0	85.6#
119	21.9	27.2	40.8#

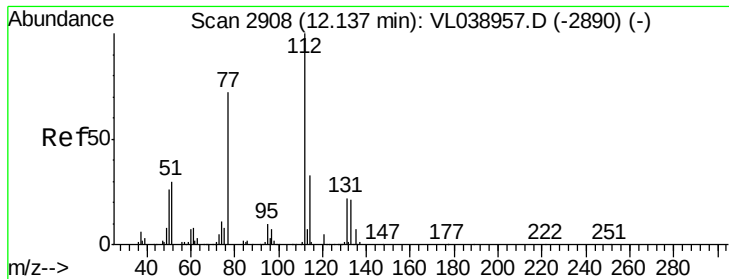


#56
1,1,1,2-Tetrachloroethane
Concen: 8.391 ppbv
RT: 12.09 min Scan# 2894
Delta R.T.: -0.02 min
Lab File: VL039113.D
Acq: 24 May 2022 10:28

Tgt Ion:131 Resp: 1153563

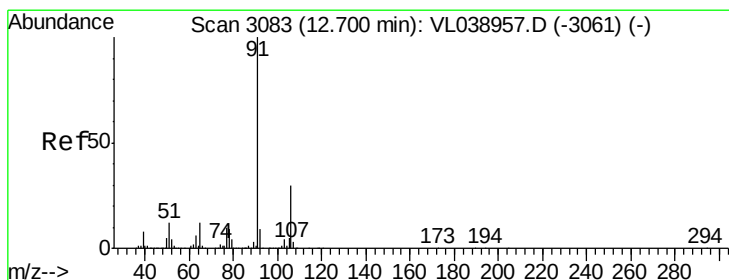
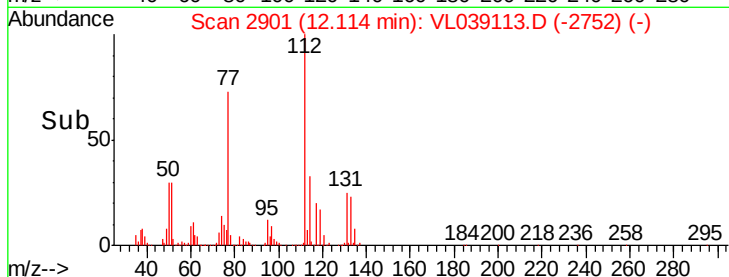
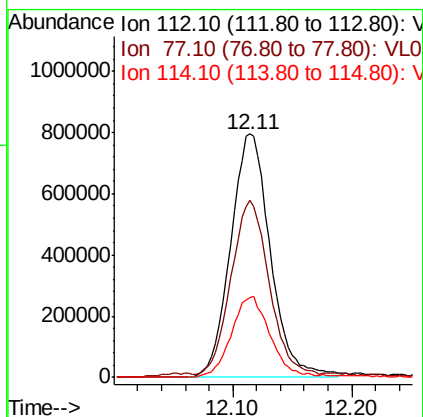
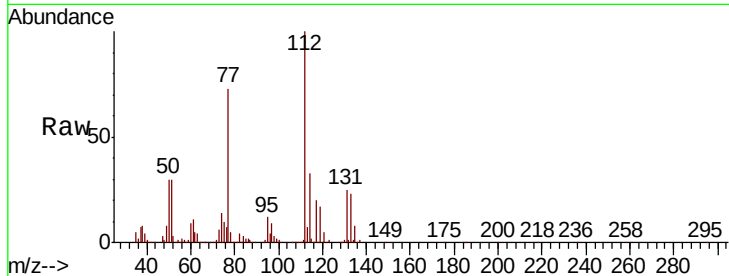
Ion	Ratio	Lower	Upper
131	100		
133	98.1	76.9	115.3
119	64.3	47.4	71.0





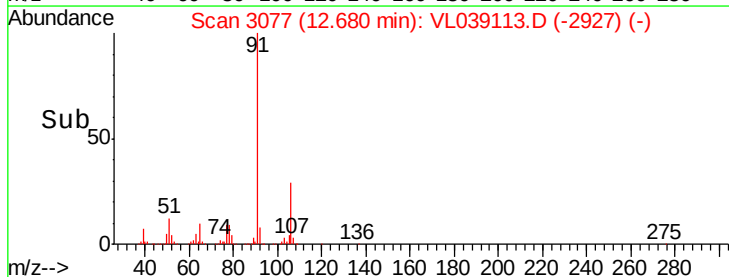
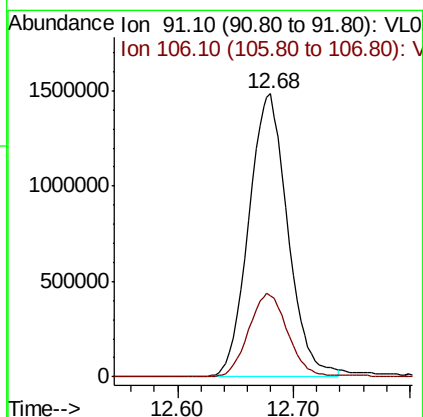
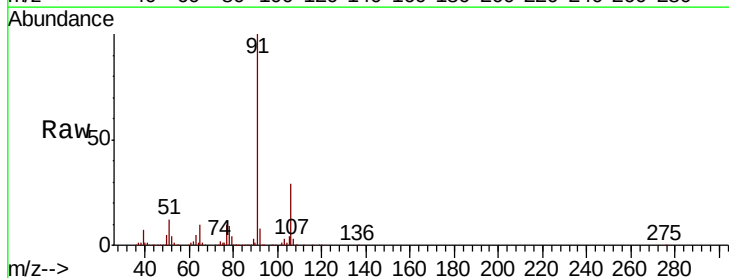
#57
Chlorobenzene
Concen: 7.789 ppbv
RT: 12.11 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 24 May 2022 10:28

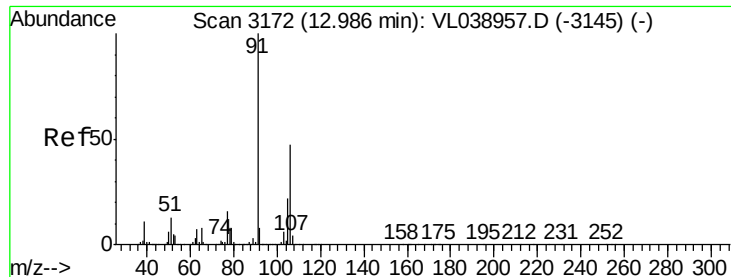
Tot Ion: 112 Resp: 1829316
Ion Ratio Lower Upper
112 100
77 71.3 57.7 86.5
114 32.8 30.1 36.7



#58
Ethyl Benzene
Concen: 7.698 ppbv
RT: 12.68 min Scan# 3077
Delta R.T.: -0.02 min
Lab File: VL039113.D
Acq: 24 May 2022 10:28

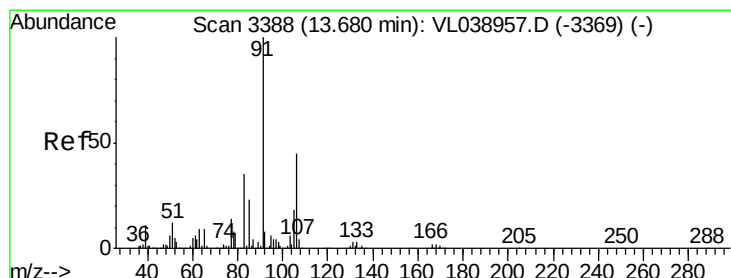
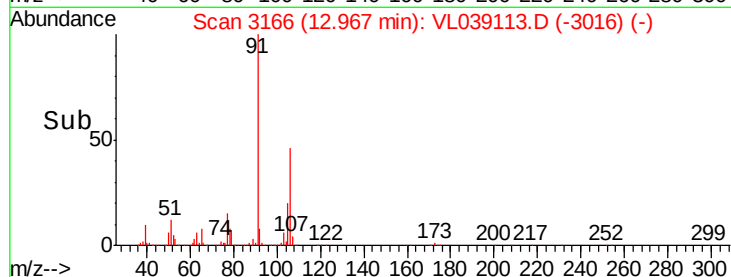
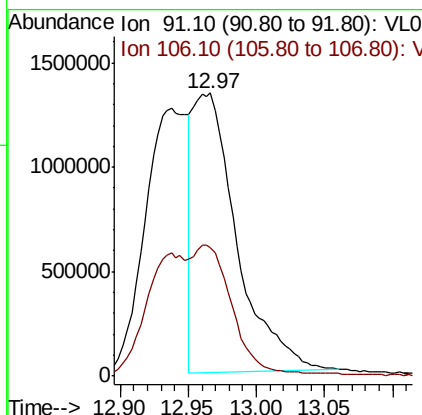
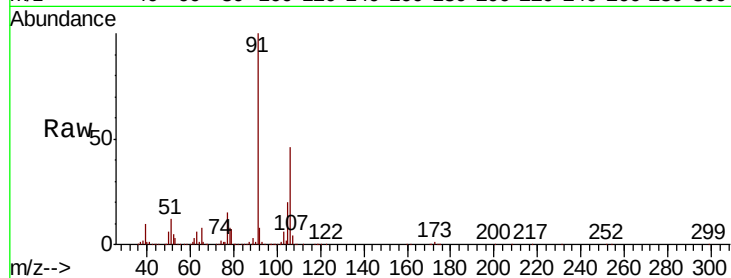
Tgt Ion: 91 Resp: 3471174
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.4





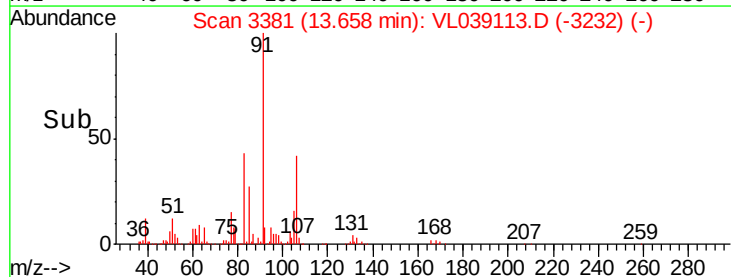
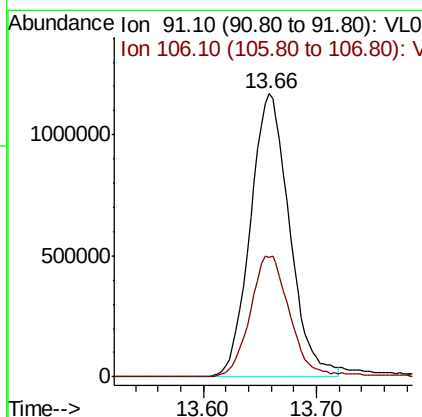
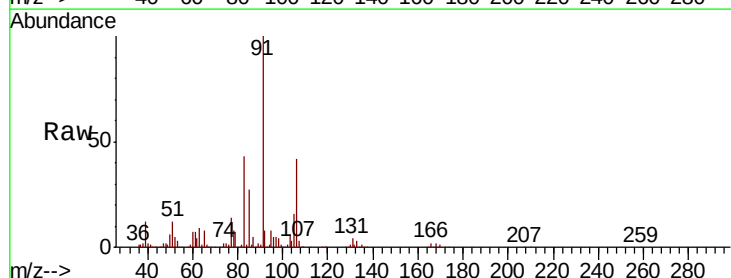
#59
m/p-Xylene
Concen: 7.744 ppbv
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 24 May 2022 10:28

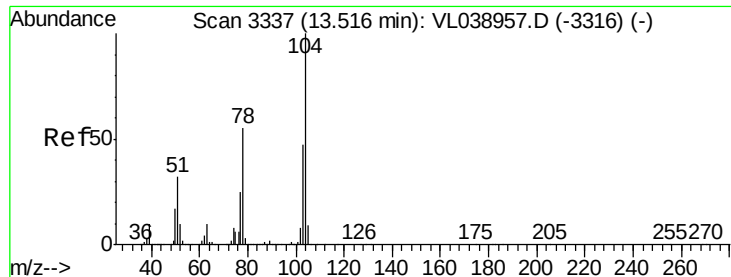
Tot Ion: 91 Resp: 2981123
Ion Ratio Lower Upper
91 100
106 85.9 34.6 52.0#



#60
o-Xylene
Concen: 7.736 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.02 min
Lab File: VL039113.D
Acq: 24 May 2022 10:28

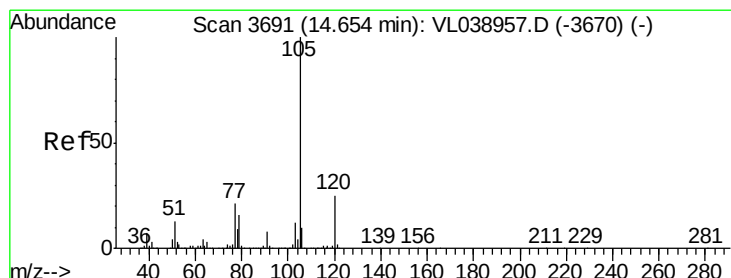
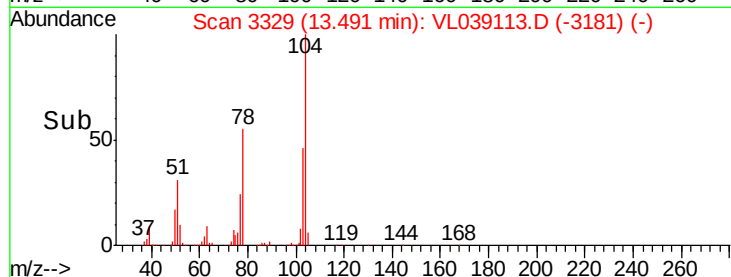
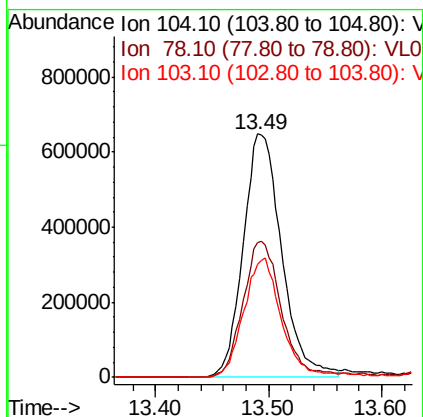
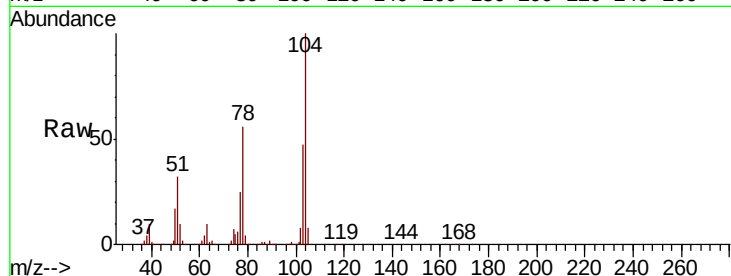
Tgt Ion: 91 Resp: 2802652
Ion Ratio Lower Upper
91 100
106 44.4 22.2 66.6





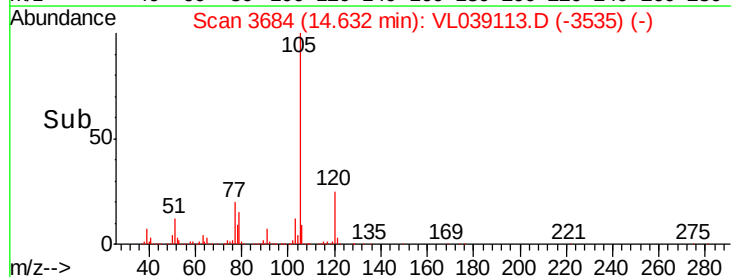
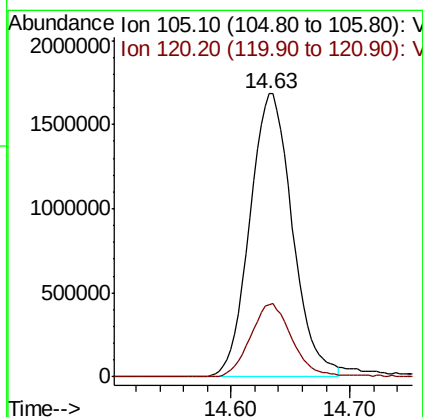
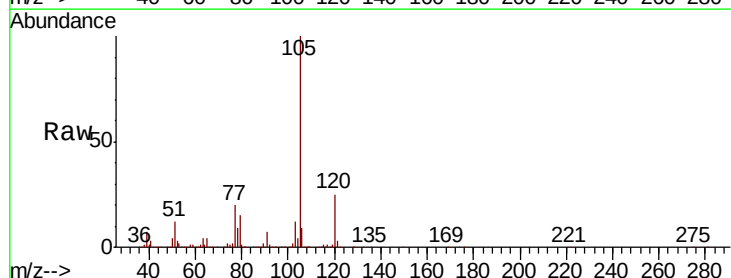
#61
Stvrene
Concen: 7.932 ppbv
RT: 13.49
Instrument: MSVOA_L
Delta R.T.:
ClientSampleId:
Lab File: VSTDCCC010EC
Acq: 24 May 2022 10:28

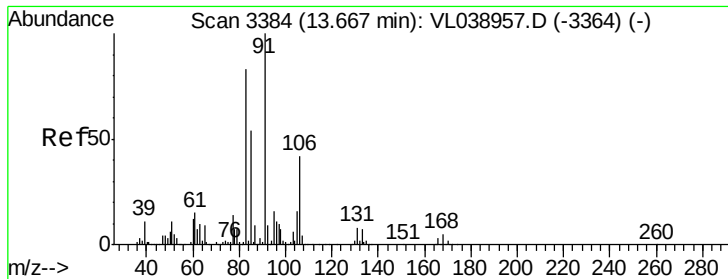
Tot Ion:104 Resp: 1534213
Ion Ratio Lower Upper
104 100
78 57.1 46.4 69.6
103 49.0 39.3 58.9



#62
Isopropylbenzene
Concen: 7.866 ppbv
RT: 14.63 min Scan# 3684
Delta R.T. -0.02 min
Lab File: VL039113.D
Acq: 24 May 2022 10:28

Tgt Ion:105 Resp: 4167743
Ion Ratio Lower Upper
105 100
120 25.7 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 9.020 ppbv

RT: 13.64

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 24 May 2022 10:28 VSTDCCC010EC

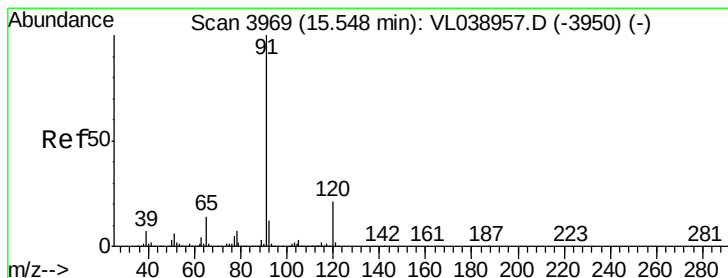
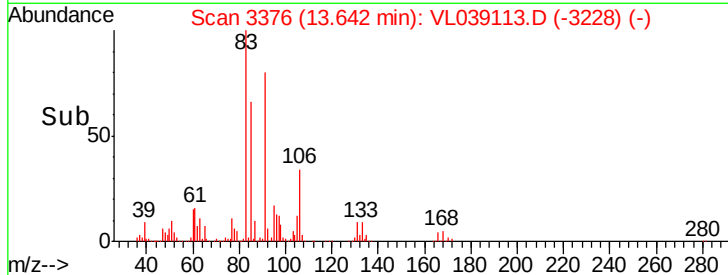
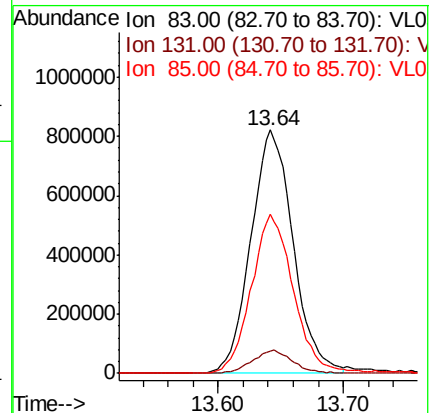
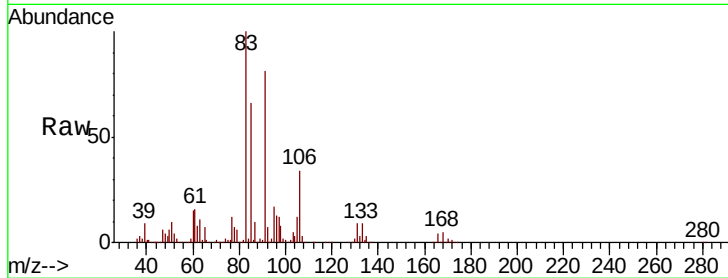
Tot Ion: 83 Resp: 1924403

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

85 65.9 32.8 98.3



#64

n-propylbenzene

Concen: 8.344 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. -0.02 min

Lab File: VL039113.D

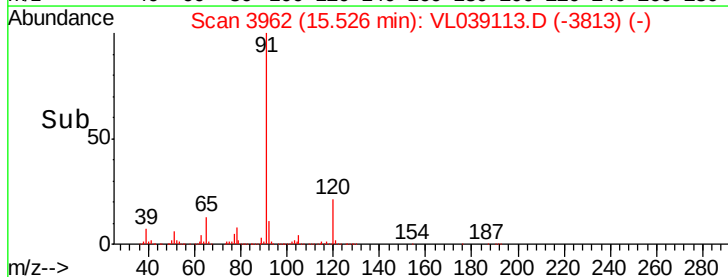
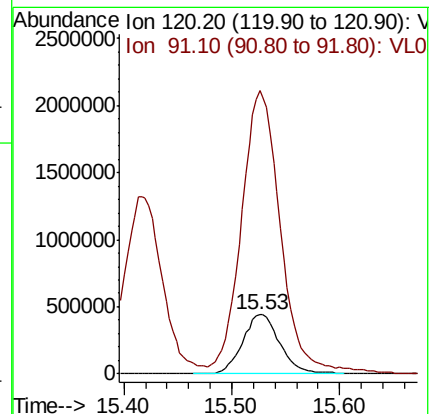
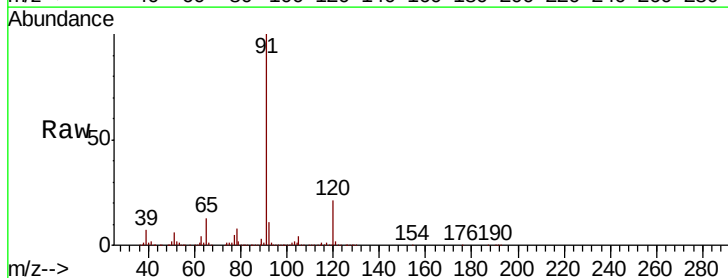
Acq: 24 May 2022 10:28

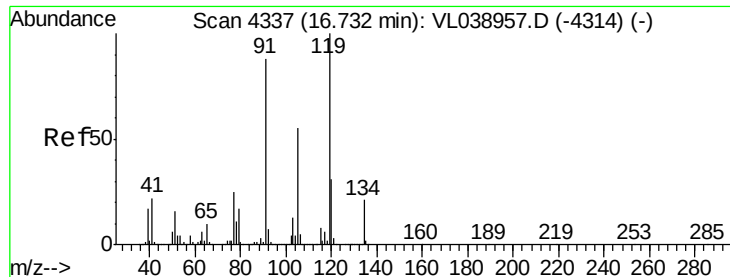
Tgt Ion:120 Resp: 1068871

Ion Ratio Lower Upper

120 100

91 499.7 400.6 601.0

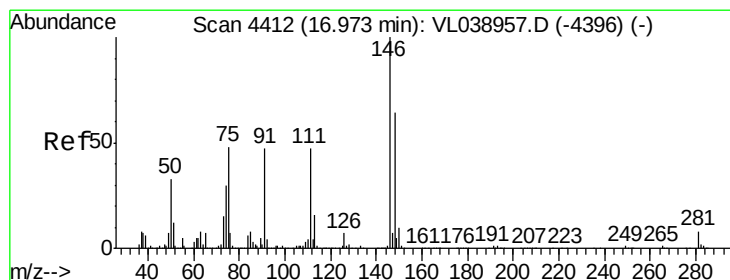
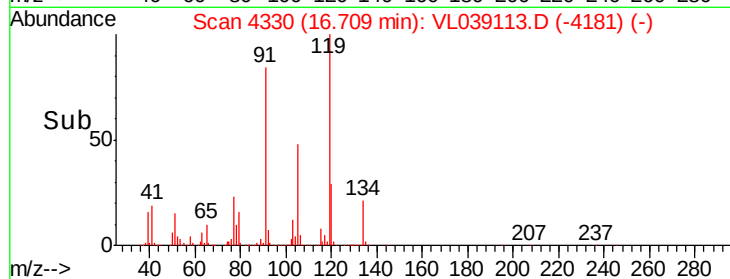
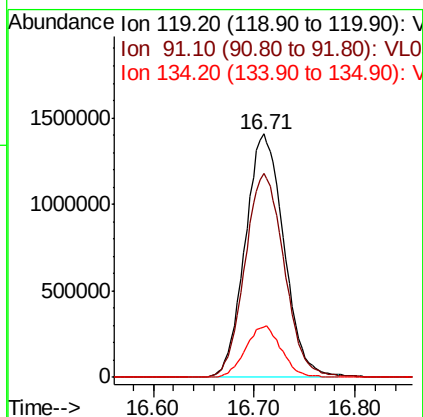
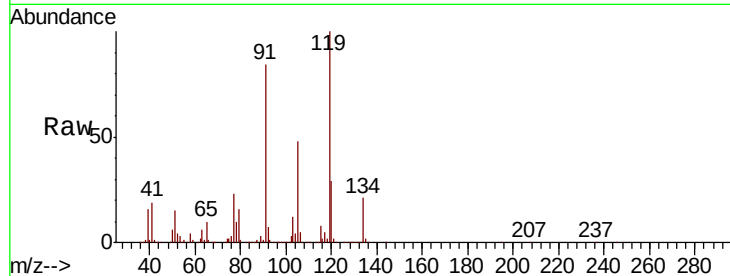




#65
 tert-Butylbenzene
 Concen: 8.038 ppbv
 RT: 16.71 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

Tot Ion: 119 Resp: 3731601

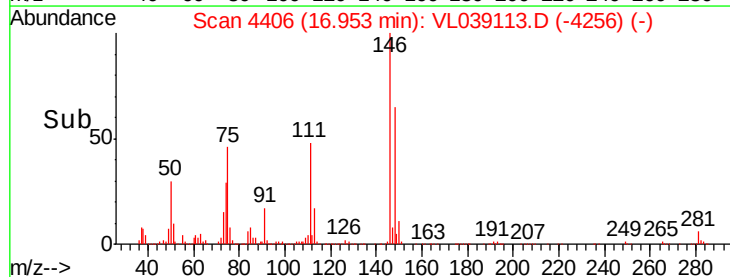
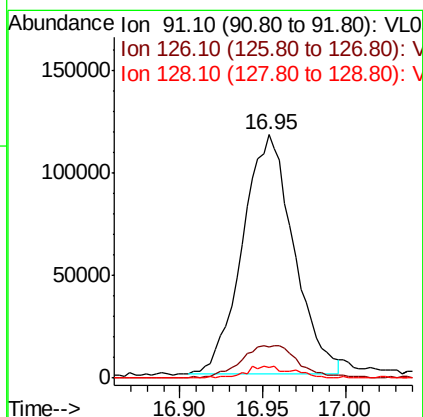
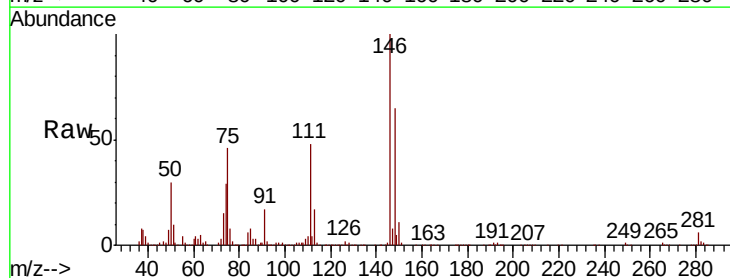
Ion	Ratio	Lower	Upper
119	100		
91	85.4	69.4	104.2
134	19.6	15.8	23.8

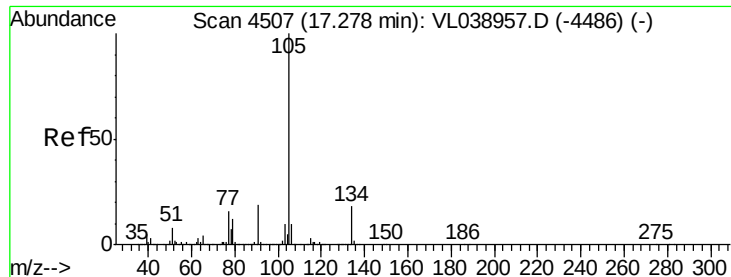


#66
 Benzyl Chloride
 Concen: 4.136 ppbv
 RT: 16.95 min Scan# 4406
 Delta R.T. -0.02 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

Tgt Ion: 91 Resp: 250993

Ion	Ratio	Lower	Upper
91	100		
126	15.9	11.8	17.6
128	4.7	4.2	6.2





#67

sec-Butylbenzene

Concen: 8.078 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

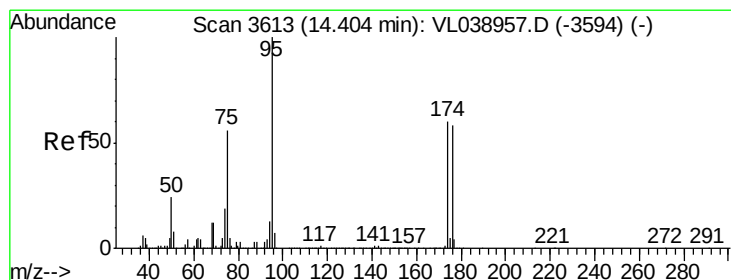
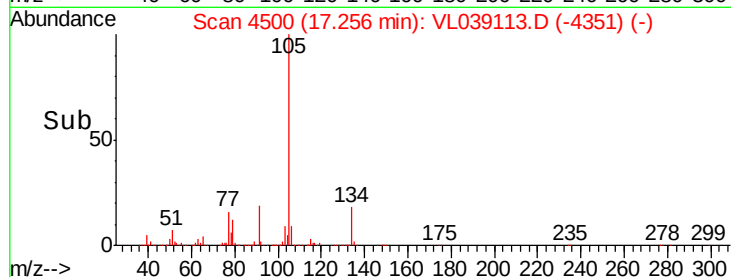
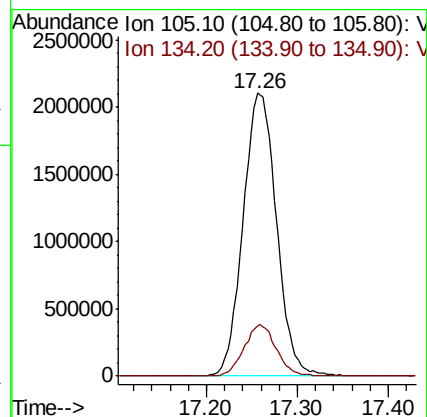
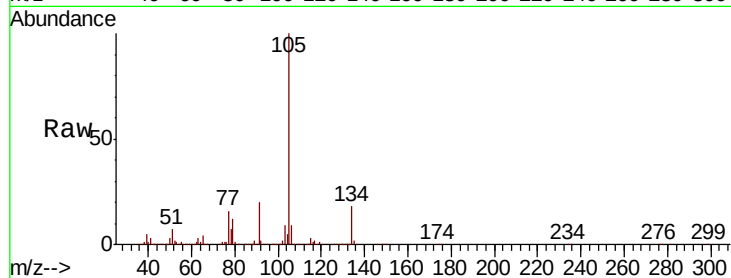
Acq: 24 May 2022 10:28

Tot Ion:105 Resp: 5357283

Ion Ratio Lower Upper

105 100

134 17.5 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 7.830 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.03 min

Lab File: VL039113.D

Acq: 24 May 2022 10:28

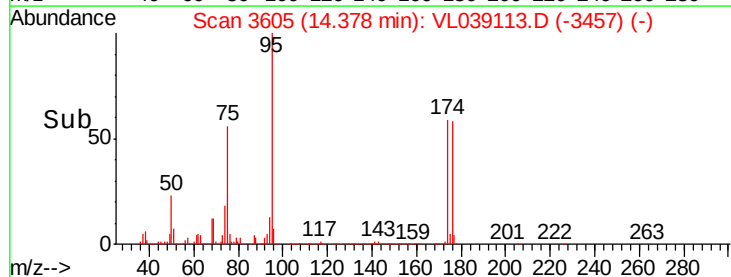
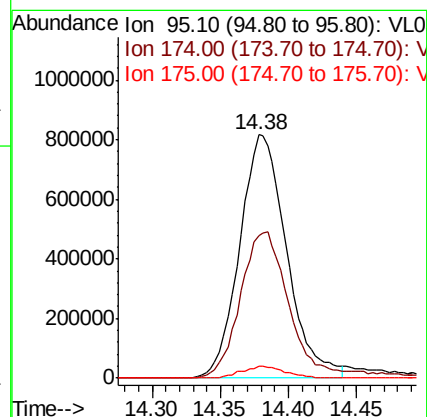
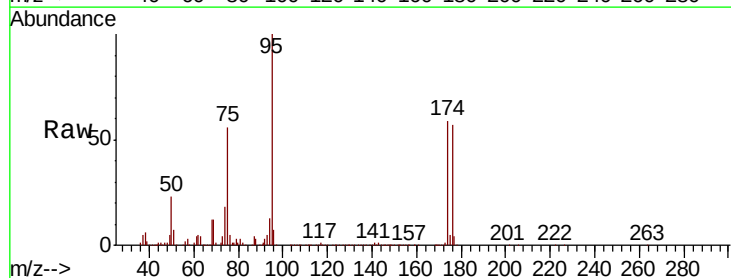
Tgt Ion: 95 Resp: 1942863

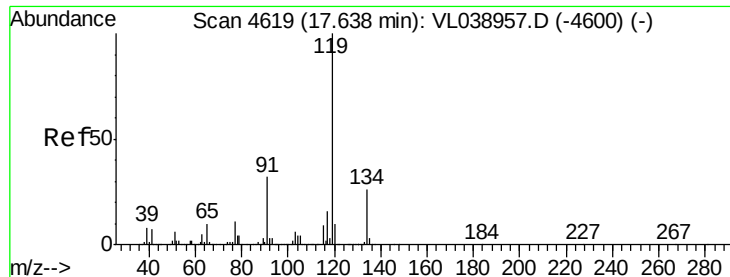
Ion Ratio Lower Upper

95 100

174 65.2 50.8 76.2

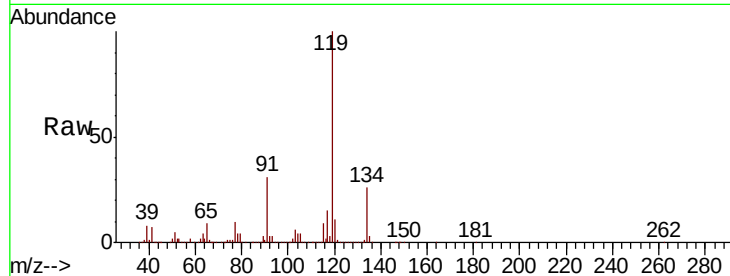
175 4.9 3.8 5.6



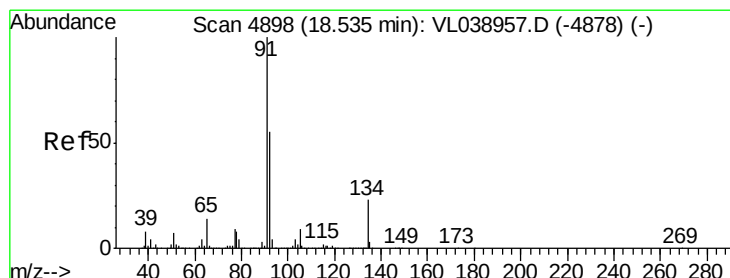
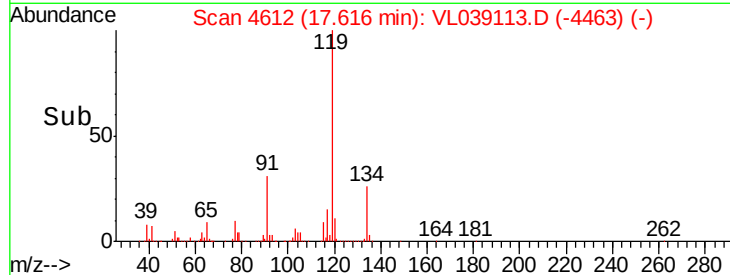
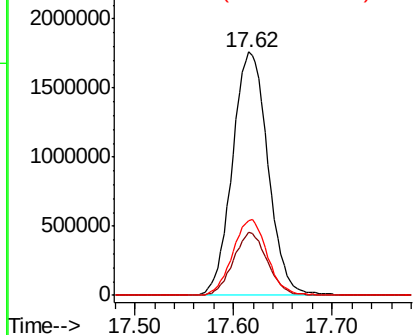


#69
 p-Isopropyltoluene
 Concen: 8.214 ppbv
 RT: 17.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

Tot Ion: 119 Resp: 4400956
 Ion Ratio Lower Upper
 119 100
 134 24.7 20.0 30.0
 91 30.2 24.8 37.2

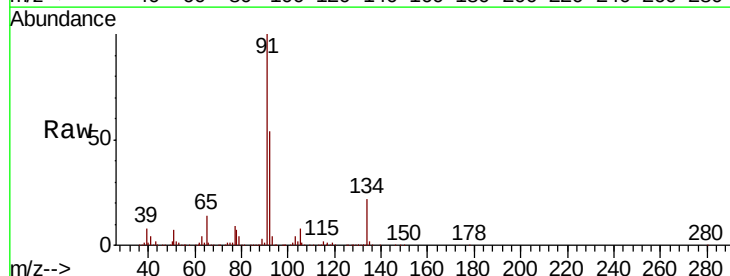


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

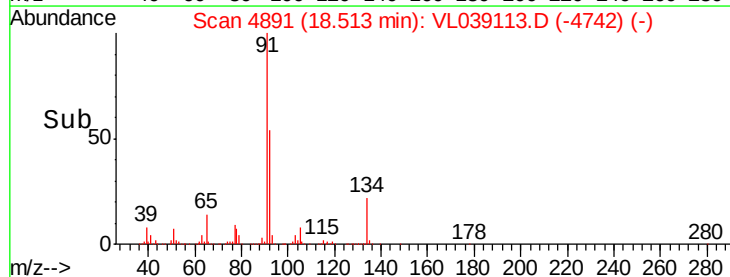
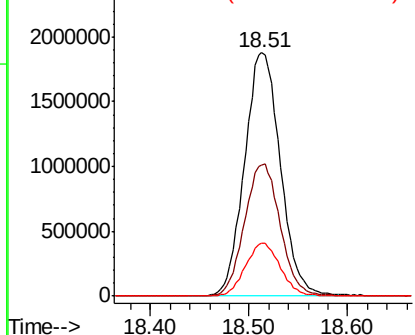


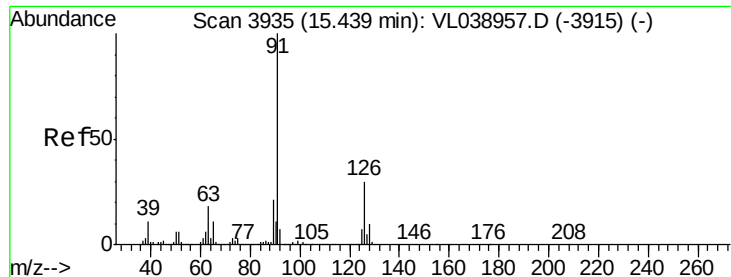
#70
 n-Butylbenzene
 Concen: 8.257 ppbv
 RT: 18.51 min Scan# 4891
 Delta R.T. -0.02 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

Tgt Ion: 91 Resp: 4700284
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.1 64.7
 134 21.4 17.0 25.4



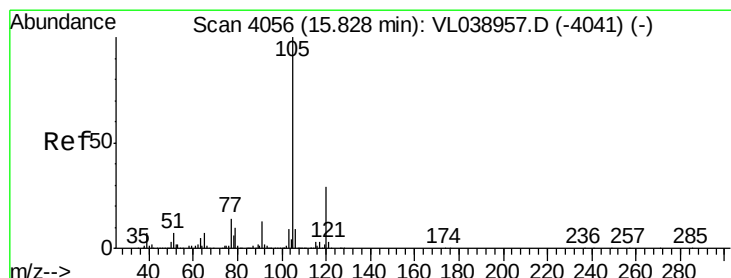
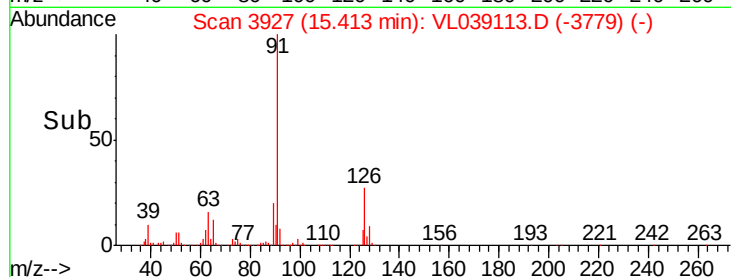
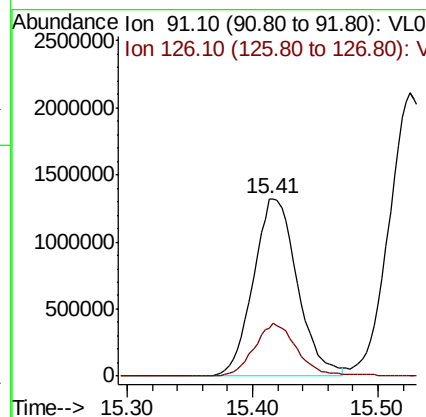
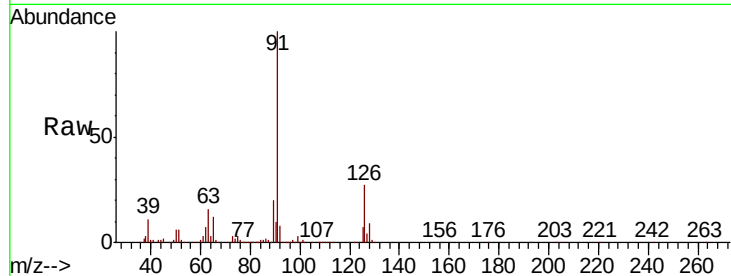
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





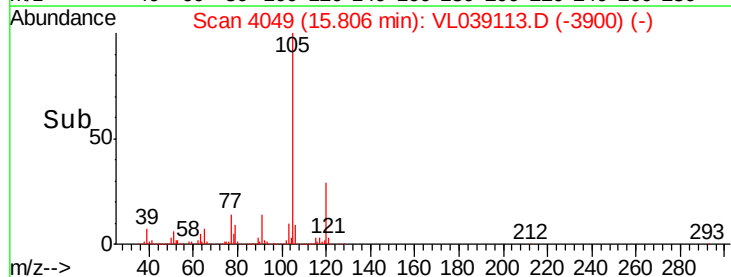
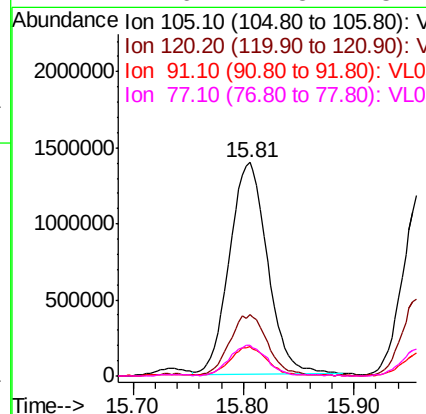
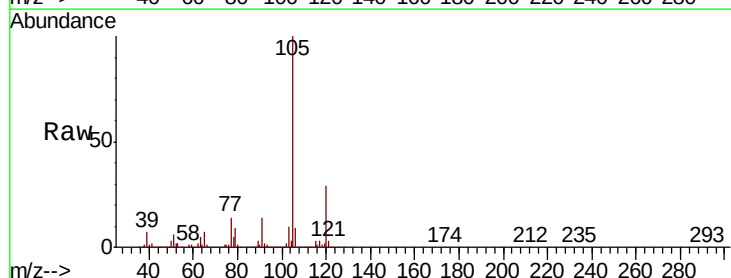
#71
 2-Chlorotoluene
 Concen: 7.907 ppbv
 RT: 15.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

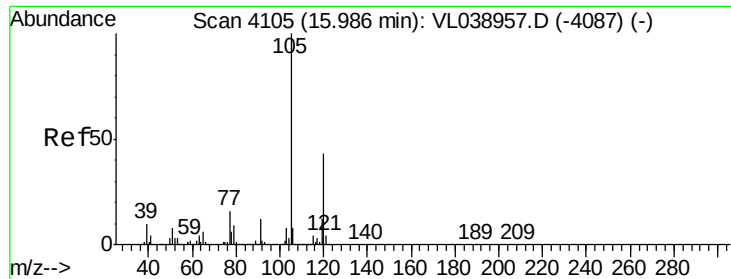
Tot Ion: 91 Resp: 3229430
 Ion Ratio Lower Upper
 91 100
 126 29.8 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 8.118 ppbv
 RT: 15.81 min Scan# 4049
 Delta R.T. -0.02 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

Tgt Ion: 105 Resp: 3351502
 Ion Ratio Lower Upper
 105 100
 120 30.3 23.4 35.0
 91 13.0 10.6 16.0
 77 14.6 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 8.021 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

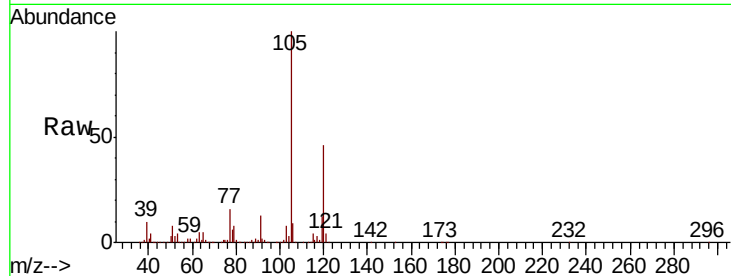
Acq: 24 May 2022 10:28

Tot Ion:105 Resp: 2981130

Ion Ratio Lower Upper

105 100

120 46.2 34.4 51.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.96

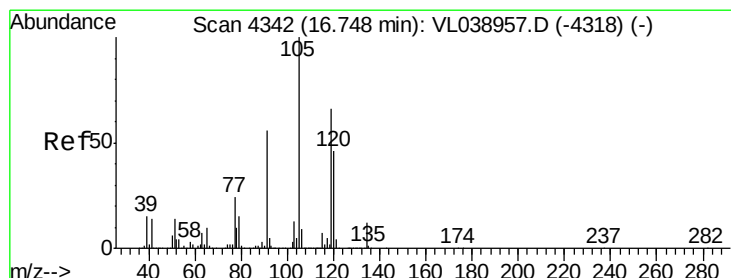
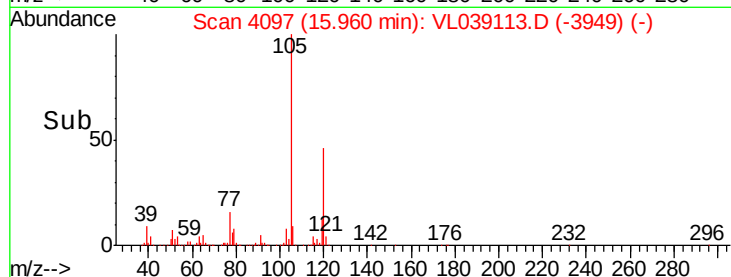
1000000

500000

0

Time-->

15.90 16.00



#74

1,2,4-Trimethylbenzene

Concen: 8.013 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.02 min

Lab File: VL039113.D

Acq: 24 May 2022 10:28

Tgt Ion:105 Resp: 3261109

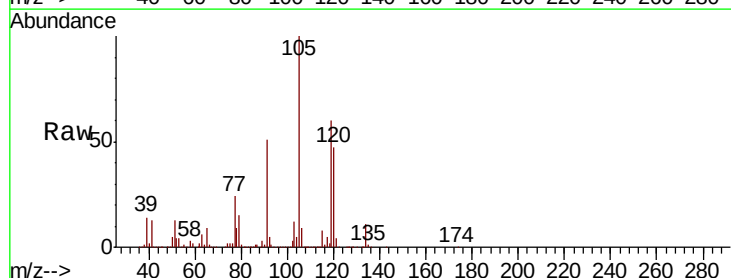
Ion Ratio Lower Upper

105 100

120 47.3 36.9 55.3

91 51.1 45.0 67.4

77 23.5 19.2 28.8



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

2000000

1500000

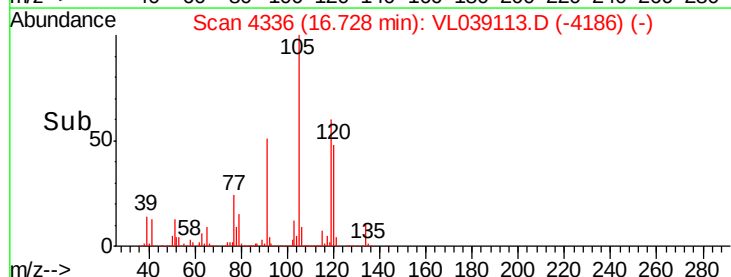
1000000

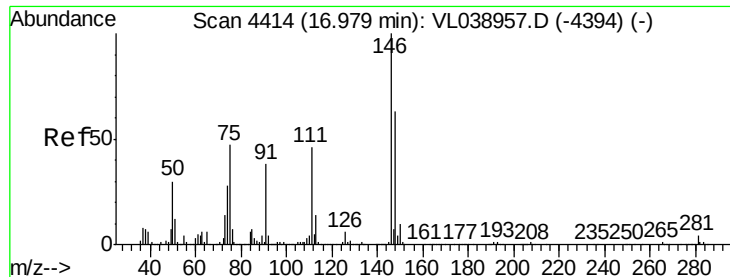
500000

0

Time-->

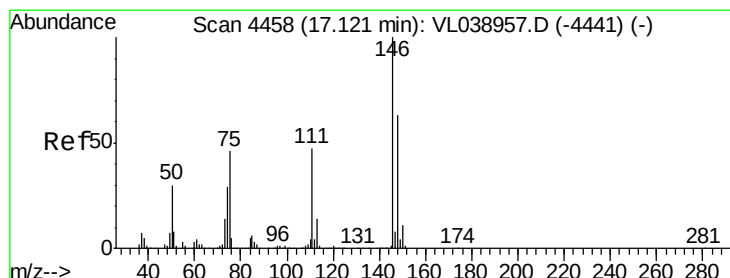
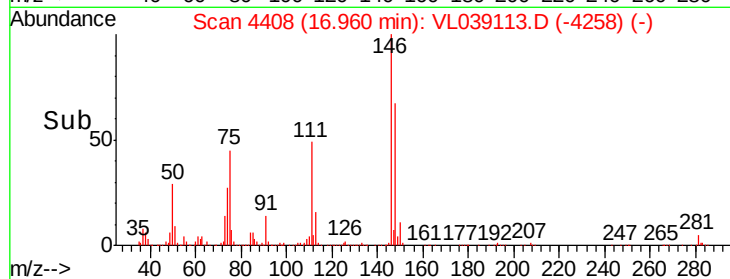
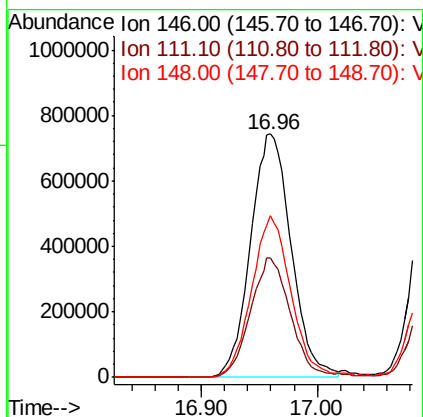
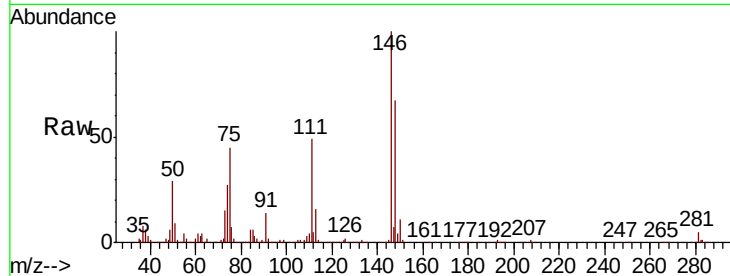
16.60 16.70 16.80





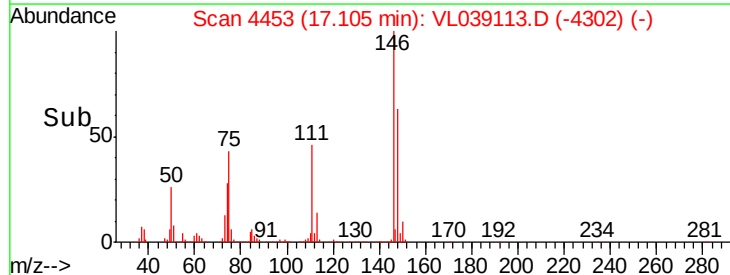
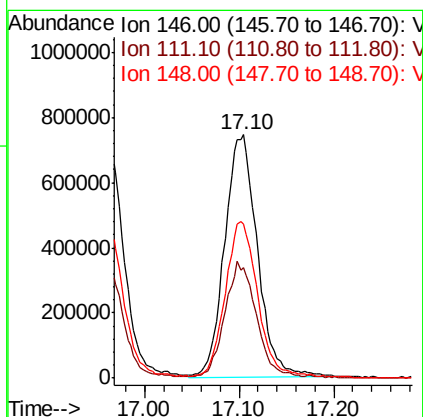
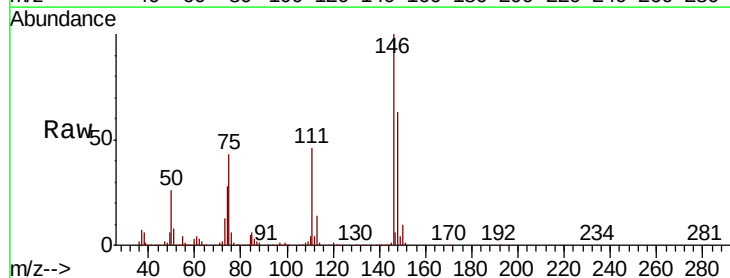
#75
 1,3-Dichlorobenzene
 Concen: 8.118 ppbv
 RT: 16.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 24 May 2022 10:28

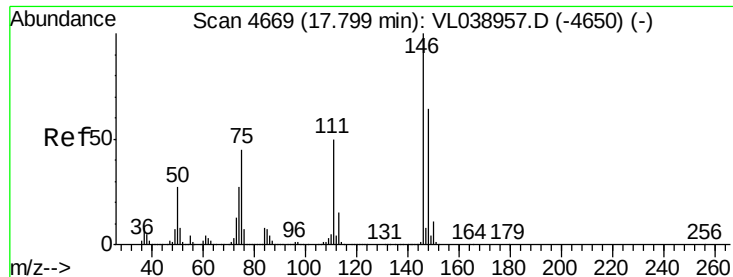
Tot Ion:146 Resp: 1810036
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.1 72.2
 148 64.6 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 8.144 ppbv
 RT: 17.10 min Scan# 4453
 Delta R.T. -0.02 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

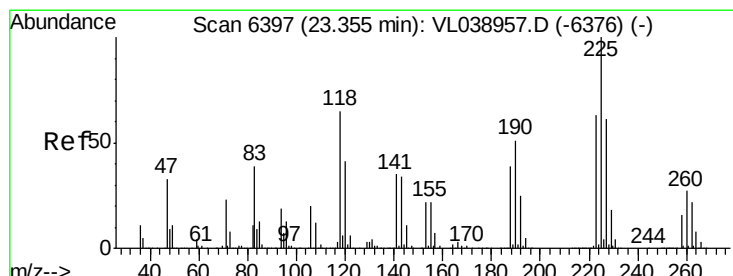
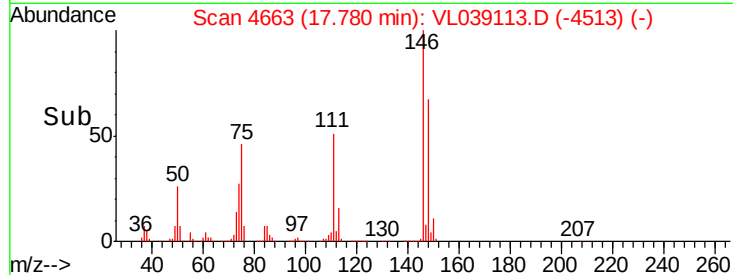
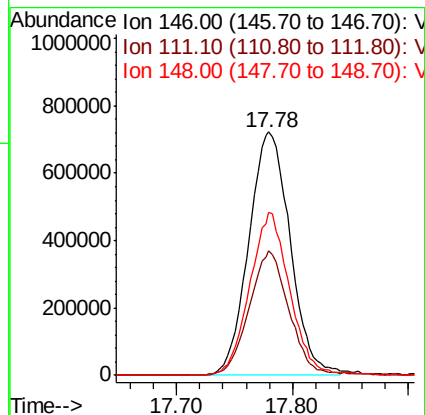
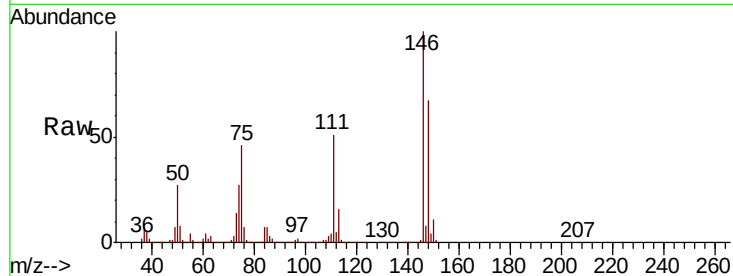
Tgt Ion:146 Resp: 1786449
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.6 71.0
 148 65.7 32.2 96.6





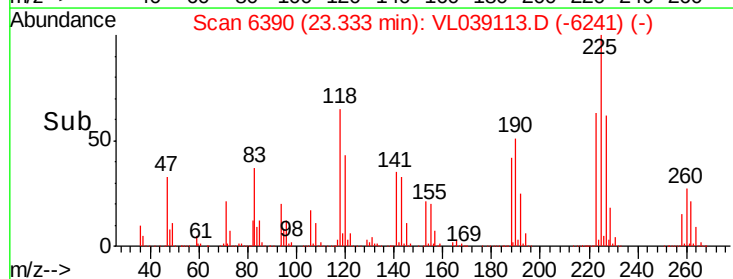
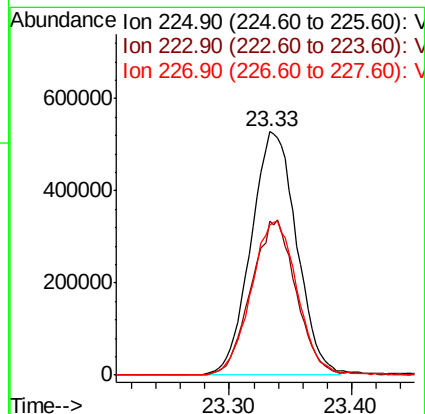
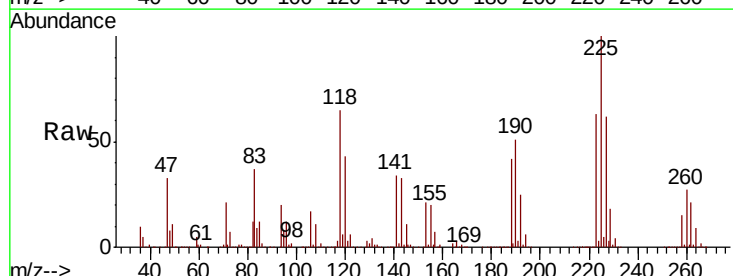
#77
 1,2-Dichlorobenzene
 Concen: 8.106 ppbv
 RT: 17.78 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 24 May 2022 10:28

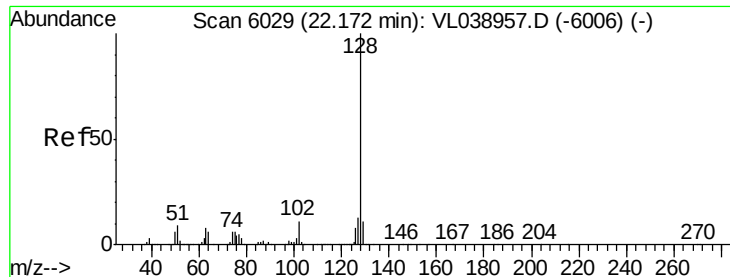
Tot Ion:146 Resp: 1787696
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.3 75.9
 148 64.9 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.762 ppbv
 RT: 23.33 min Scan# 6390
 Delta R.T.: -0.02 min
 Lab File: VL039113.D
 Acq: 24 May 2022 10:28

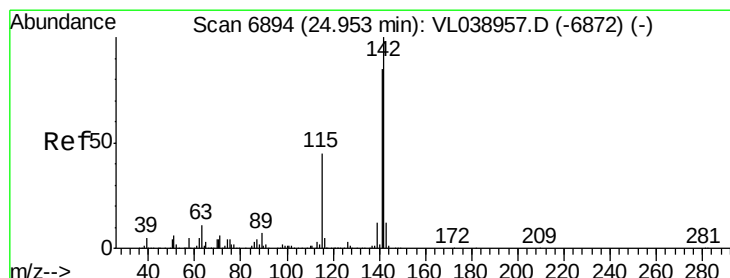
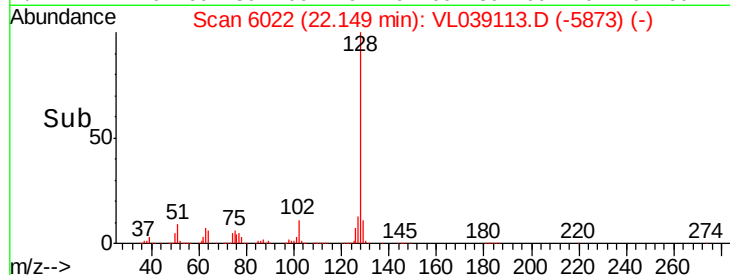
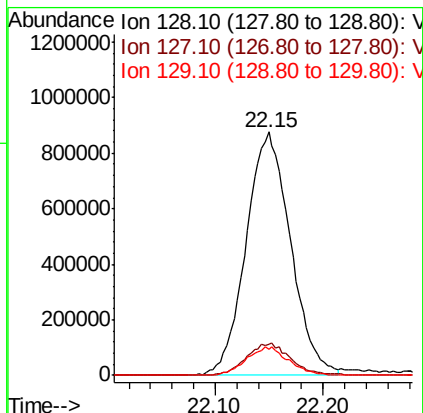
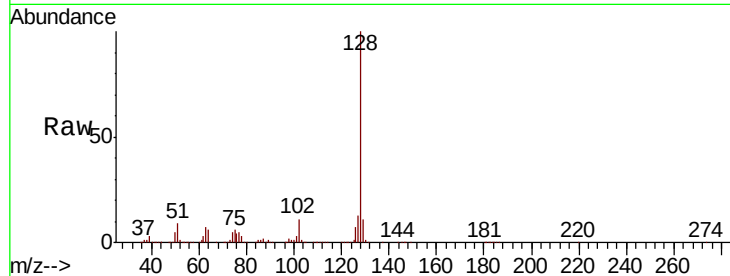
Tgt Ion:225 Resp: 1370496
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.4 77.0
 227 64.5 51.4 77.0





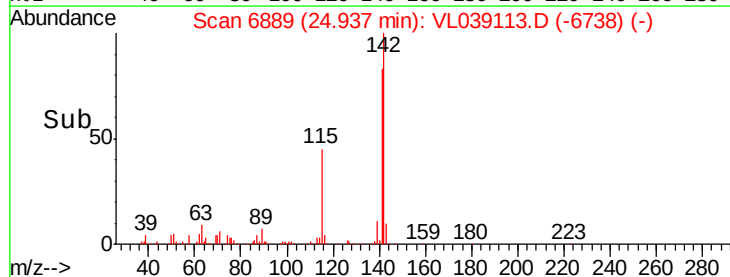
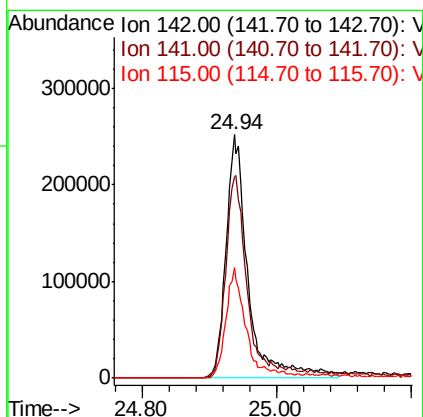
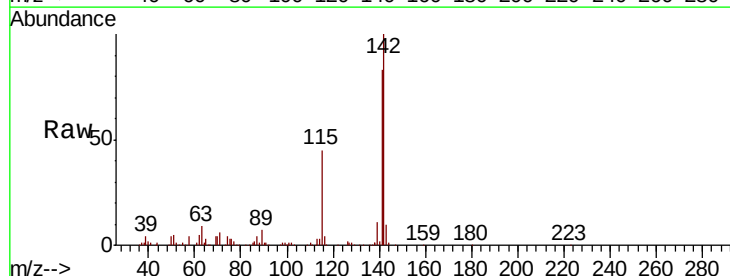
#79
Naphthalene
Concen: 7.578 ppbv
RT: 22.15 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 24 May 2022 10:28

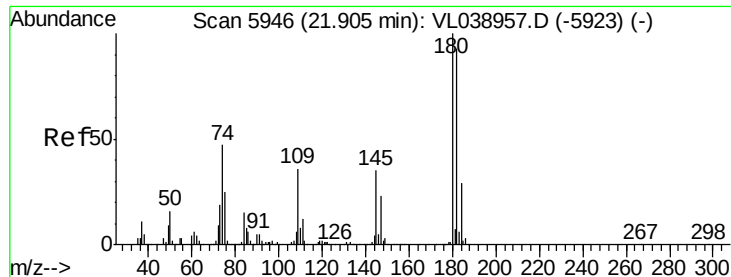
Tot Ion:128	Resp: 2505061
Ion Ratio	Lower Upper
128 100	
127 12.8	10.2 15.2
129 10.9	8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 5.784 ppbv
RT: 24.94 min Scan# 6889
Delta R.T. -0.02 min
Lab File: VL039113.D
Acq: 24 May 2022 10:28

Tgt Ion:142	Resp: 578372
Ion Ratio	Lower Upper
142 100	
141 85.3	70.8 106.2
115 43.3	35.1 52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 7.199 ppbv
 RT: 21.88
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 May 2022 10:28

Tot Ion:180 Resp: 1394461
 Ion Ratio Lower Upper
 180 100
 182 97.7 78.4 117.6
 184 31.1 24.4 36.6

