

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039013.D
 Acq On : 10 May 2022 9:54
 Operator : SY/AP
 Sample : VL0509ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0509ABS01

Quant Time: May 11 01:43:59 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	5.64	49	1009163	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	2856184	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	3230317	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1868852	7.31	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	73.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1321996	8.361	ppbv 100
3) Chlorodifluoromethane	2.98	51	1191267	9.513	ppbv 95
4) Chloromethane	3.13	50	636530	10.150	ppbv 96
5) Vinyl Chloride	3.24	62	590740	10.316	ppbv 95
6) Bromomethane	3.46	94	295325	10.917	ppbv 95
7) Chloroethane	3.54	64	208290	10.867	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	1405097	9.805	ppbv 95
9) Propene	3.00	41	583228	10.665	ppbv 99
10) Heptane	8.09	43	1543921	11.508	ppbv 99
11) Trichlorofluoromethane	3.93	101	1255036	9.251	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	931216	9.964	ppbv 90
13) Ethanol	3.59	45	11099	2.868	ppbv # 1
14) Bromoethene	3.73	108	421699	10.942	ppbv 96
15) Acetone	3.83	43	968139	10.170	ppbv 98
16) 1,3-Butadiene	3.31	39	566417	10.356	ppbv 99
17) tert-Butyl alcohol	4.26	59	905476	12.376	ppbv 96
18) 1,1-Dichloroethene	4.27	96	440416	10.950	ppbv 99
19) Isopropyl Alcohol	3.94	45	498031	11.003	ppbv 99
20) Methylene Chloride	4.32	84	361020	10.062	ppbv 96
21) Allyl Chloride	4.39	41	725523	11.185	ppbv 96
22) trans-1,2-Dichloroethene	4.86	96	461710	10.627	ppbv 99
23) Vinyl Acetate	5.05	43	916429	12.167	ppbv # 97
24) 1,1-Dichloroethane	4.99	63	933052	10.758	ppbv 100
25) Ethyl Acetate	5.65	43	2583245	11.338	ppbv 100
26) Hexane	5.66	57	1123261	11.095	ppbv 96
27) Carbon Disulfide	4.53	76	1044226	10.858	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	947487	12.301	ppbv 100
29) Chloroform	5.72	83	1637090	9.995	ppbv 100
30) Cyclohexane	7.10	84	988294	11.660	ppbv 93
31) cis-1,2-Dichloroethene	5.52	61	1078258	10.455	ppbv 90
32) 1,1,1-Trichloroethane	6.48	97	1638248	10.003	ppbv 97
34) 2-Butanone	5.21	43	1094151	7.509	ppbv 99
35) Carbon Tetrachloride	6.99	117	1643706	8.734	ppbv 98
36) Benzene	6.86	78	2421142	9.905	ppbv 99
37) 1,2-Dichloroethane	6.28	62	1188979	7.862	ppbv # 95
38) Trichloroethene	7.80	130	1082009	9.958	ppbv 95
39) 1,2-Dichloropropane	7.58	63	925747	9.734	ppbv 95
40) 1,4-Dioxane	7.79	88	342235	10.019	ppbv 92
41) Tetrahydrofuran	6.02	42	1011158	10.325	ppbv 99
42) Bromodichloromethane	7.76	83	1795229	8.683	ppbv 96
43) Methyl Methacrylate	7.98	69	998850	10.066	ppbv 95

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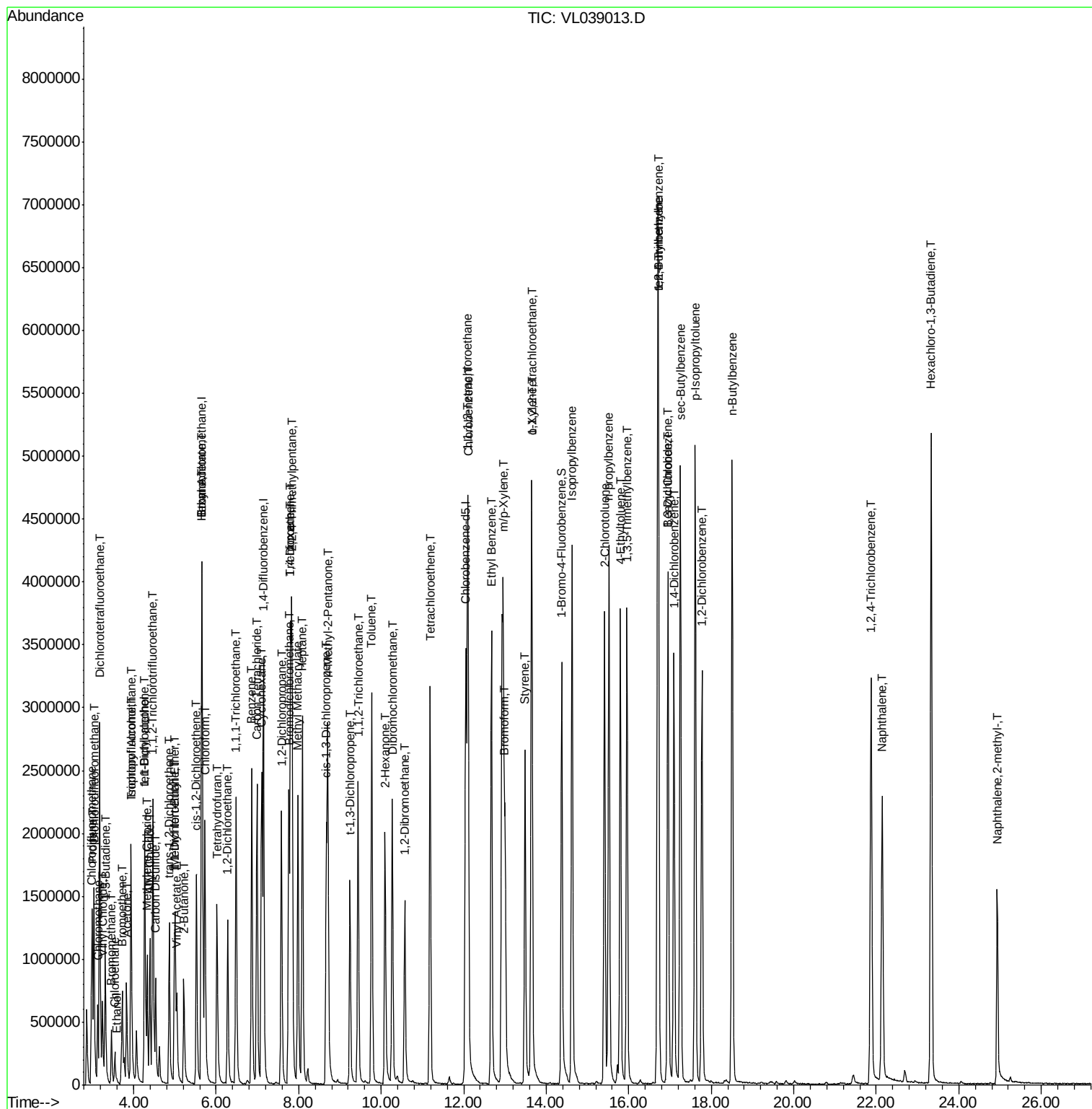
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3953330	9.217	ppbv	97
45) t-1,3-Dichloropropene	9.24	75	1049684	10.928	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	1299317	10.200	ppbv	94
47) 1,1,2-Trichloroethane	9.44	97	982550	9.933	ppbv	95
48) Dibromochloromethane	10.27	129	1548658	9.619	ppbv	99
49) Bromoform	13.00	173	1205752	9.820	ppbv	99
50) 4-Methyl-2-Pentanone	8.70	43	2501202	9.789	ppbv	98
51) 2-Hexanone	10.10	43	2015101	10.806	ppbv #	97
52) Tetrachloroethene	11.19	164	855144	9.790	ppbv	96
53) Toluene	9.77	91	2831671	10.336	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1356446	10.073	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	1114407	7.863	ppbv	97
57) Chlorobenzene	12.11	112	2042823	8.436	ppbv	90
58) Ethyl Benzene	12.67	91	3733558	8.031	ppbv	99
59) m/p-Xylene	12.96	91	3359297	8.465	ppbv #	37
60) o-Xylene	13.65	91	2814808	7.536	ppbv	96
61) Styrene	13.49	104	1829590	9.175	ppbv	94
62) Isopropylbenzene	14.63	105	4254555	7.789	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	1620978	7.370	ppbv	99
64) n-propylbenzene	15.52	120	1117352	8.461	ppbv	91
65) tert-Butylbenzene	16.70	119	3692381	7.715	ppbv	92
66) Benzyl Chloride	16.95	91	657953	10.517	ppbv	95
67) sec-Butylbenzene	17.26	105	5274098	7.713	ppbv	98
69) p-Isopropyltoluene	17.61	119	4392565	7.952	ppbv	96
70) n-Butylbenzene	18.51	91	4512783	7.689	ppbv	98
71) 2-Chlorotoluene	15.41	91	3193079	7.583	ppbv	95
72) 4-Ethyltoluene	15.80	105	3565992	8.378	ppbv	97
73) 1,3,5-Trimethylbenzene	15.96	105	3119804	8.142	ppbv	92
74) 1,2,4-Trimethylbenzene	16.73	105	3259383	7.768	ppbv #	89
75) 1,3-Dichlorobenzene	16.95	146	1883953	8.195	ppbv	99
76) 1,4-Dichlorobenzene	17.09	146	1884887	8.335	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	1844430	8.112	ppbv	98
78) Hexachloro-1,3-Butadiene	23.33	225	1453728	6.957	ppbv	100
79) Naphthalene	22.14	128	3189894	9.360	ppbv	99
80) Naphthalene, 2-methyl-	24.93	142	1088669	10.559	ppbv	94
81) 1,2,4-Trichlorobenzene	21.88	180	1653533	8.280	ppbv	98

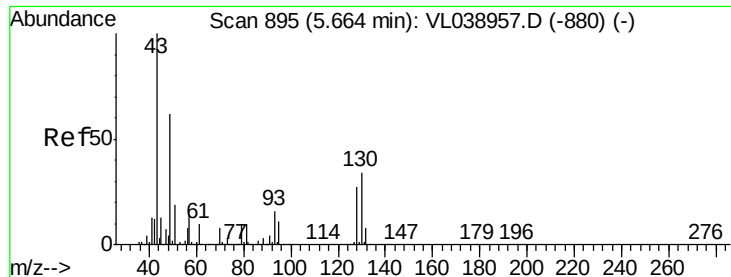
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0509ABS01

Acq: 10 May 2022 9:54

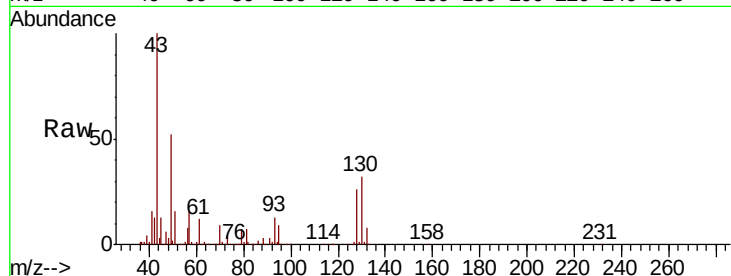
Tot Ion: 49 Resp: 1009163

Ion Ratio Lower Upper

49 100

128 50.8 23.3 69.8

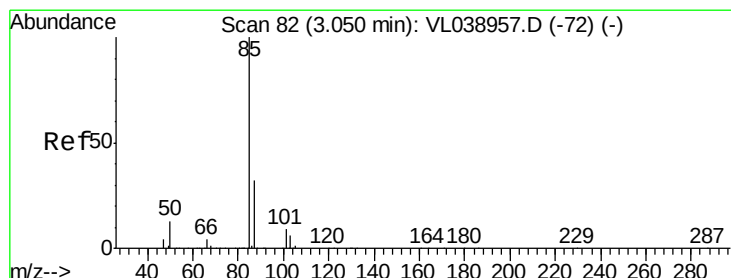
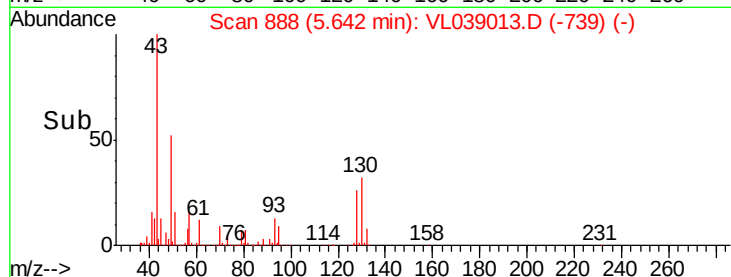
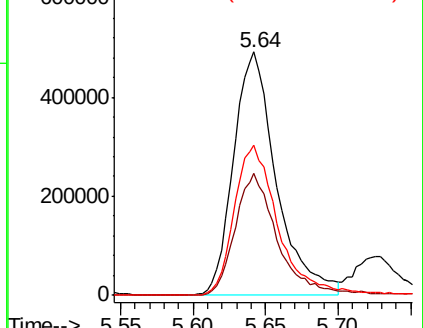
130 65.2 29.8 89.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.361 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL039013.D

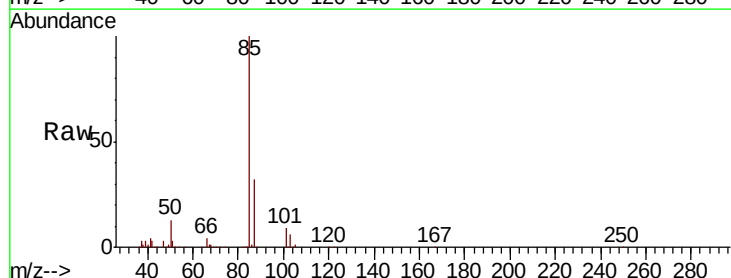
Acq: 10 May 2022 9:54

Tgt Ion: 85 Resp: 1321996

Ion Ratio Lower Upper

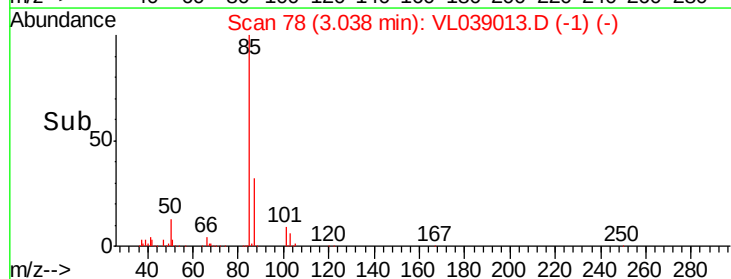
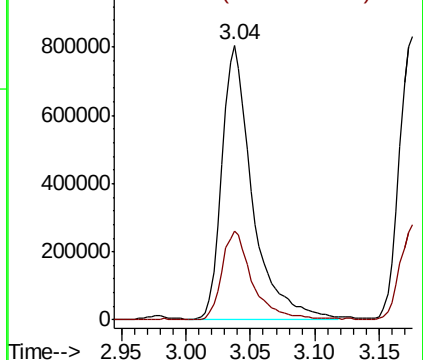
85 100

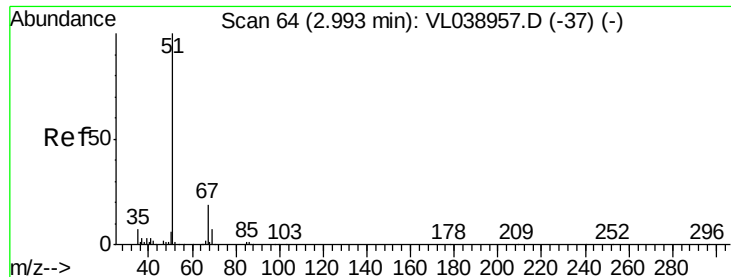
87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.513 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0509ABS01

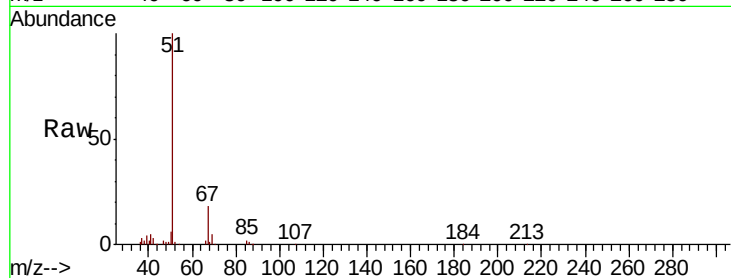
Acq: 10 May 2022 9:54

Tot Ion: 51 Resp: 1191267

Ion Ratio Lower Upper

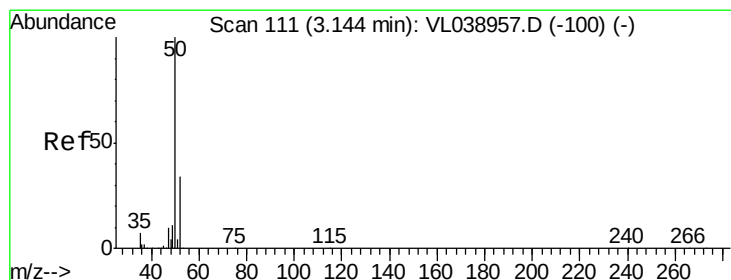
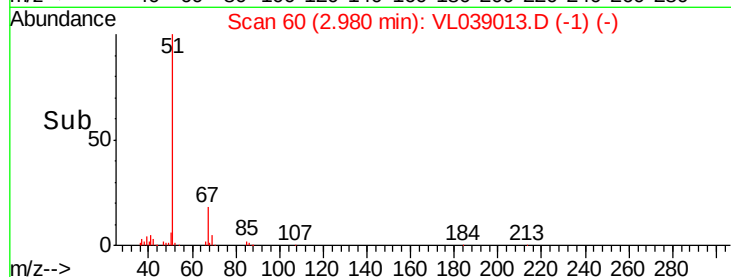
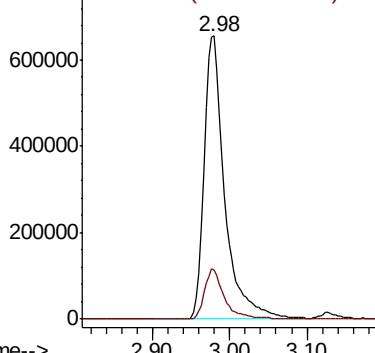
51 100

67 17.4 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.150 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL039013.D

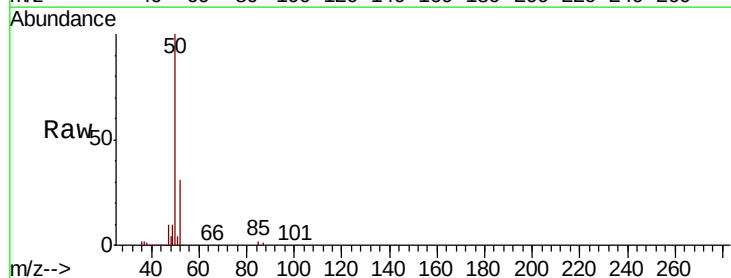
Acq: 10 May 2022 9:54

Tgt Ion: 50 Resp: 636530

Ion Ratio Lower Upper

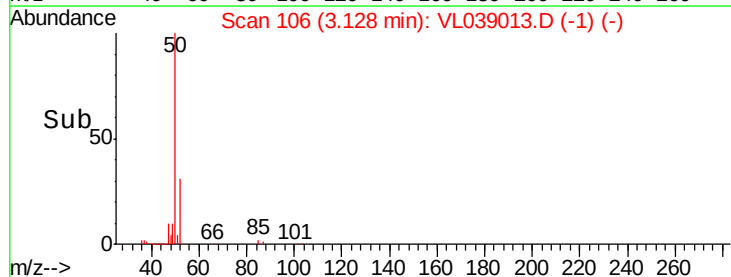
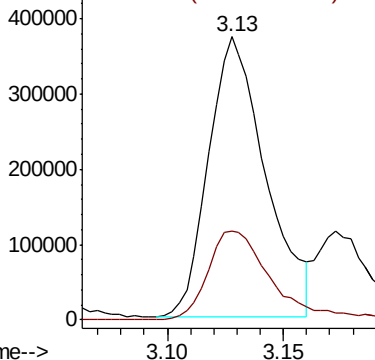
50 100

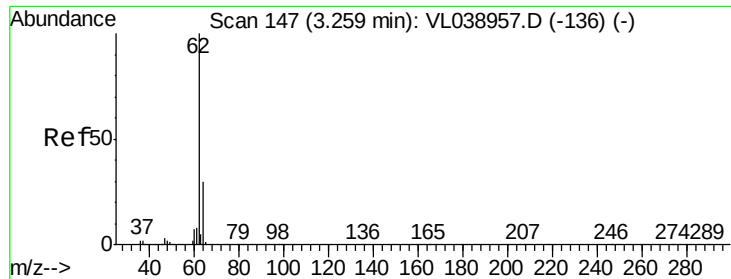
52 31.7 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.316 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

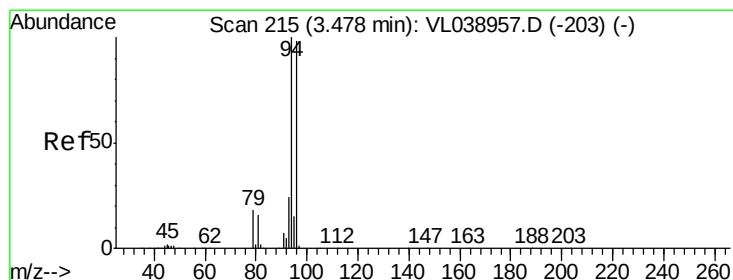
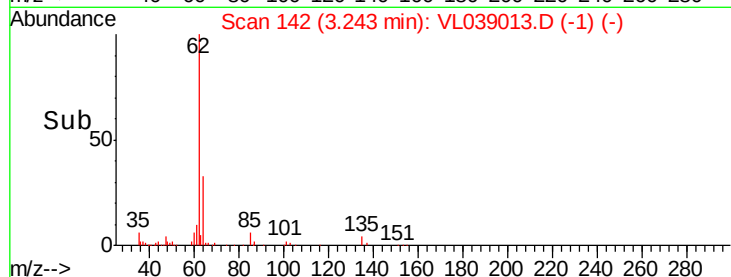
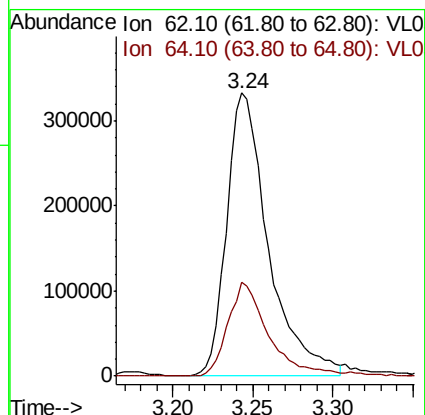
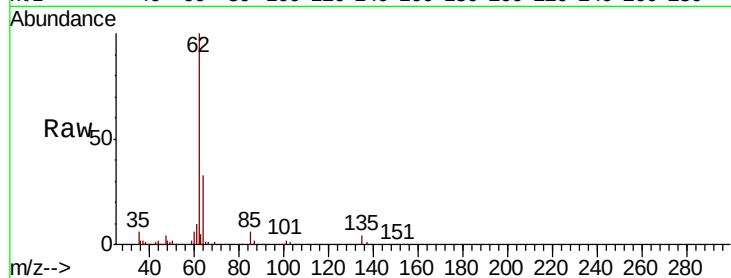
Acq: 10 May 2022 9:54

Tot Ion: 62 Resp: 590740

Ion Ratio Lower Upper

62 100

64 33.2 24.2 36.4



#6

Bromomethane

Concen: 10.917 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL039013.D

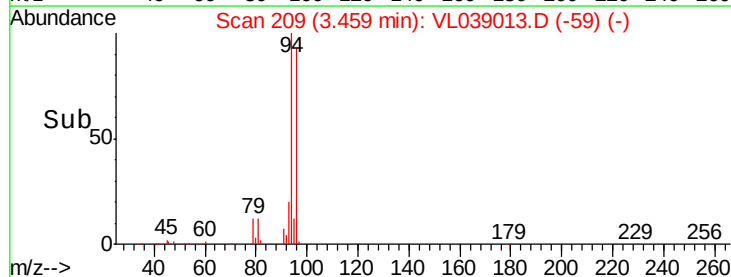
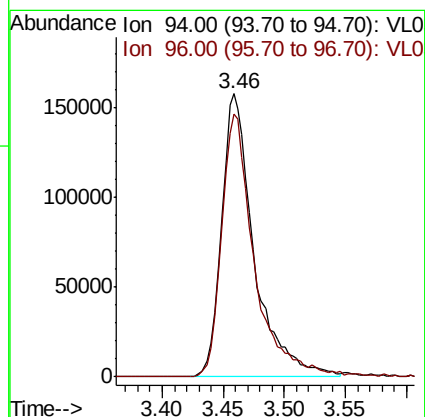
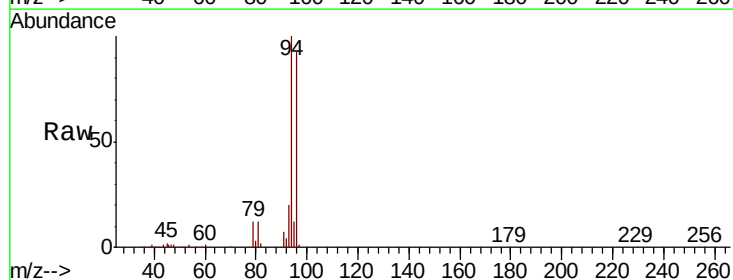
Acq: 10 May 2022 9:54

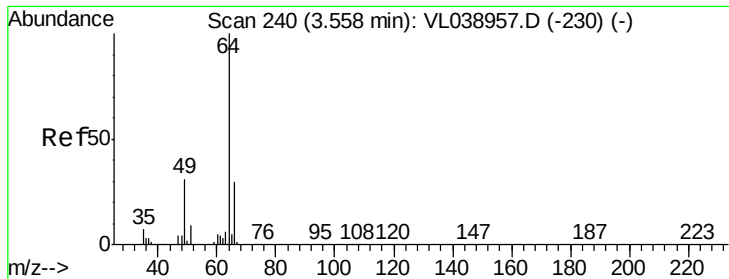
Tgt Ion: 94 Resp: 295325

Ion Ratio Lower Upper

94 100

96 93.0 78.1 117.1





#7

Chloroethane

Concen: 10.867 ppbv

RT: 3.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0509ABS01

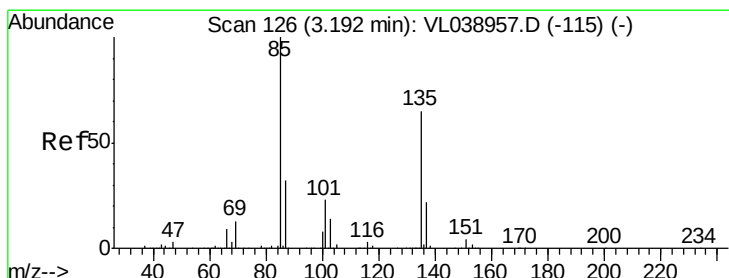
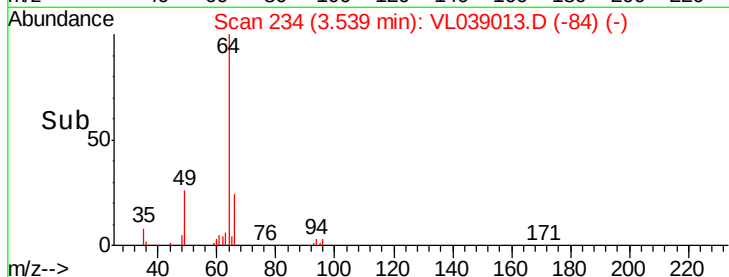
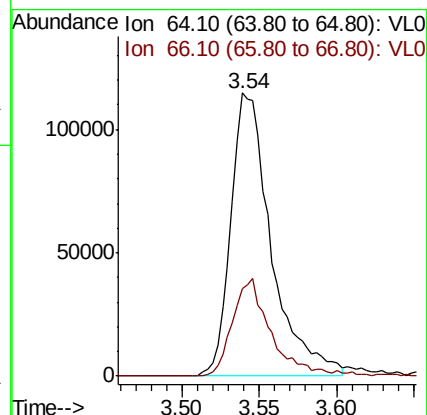
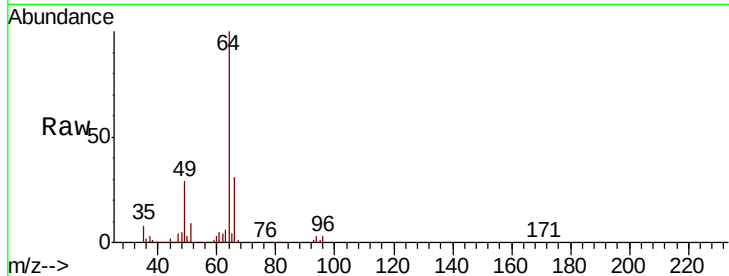
Acq: 10 May 2022 9:54

Tot Ion: 64 Resp: 208290

Ion Ratio Lower Upper

64 100

66 30.8 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 9.805 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.02 min

Lab File: VL039013.D

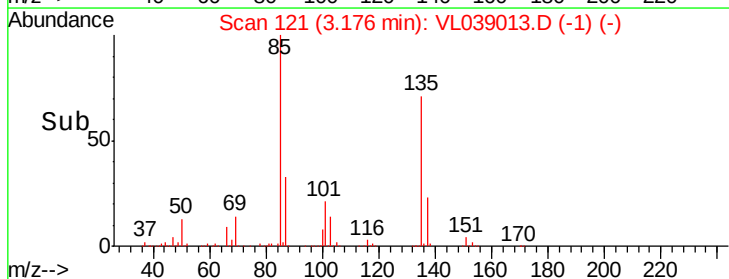
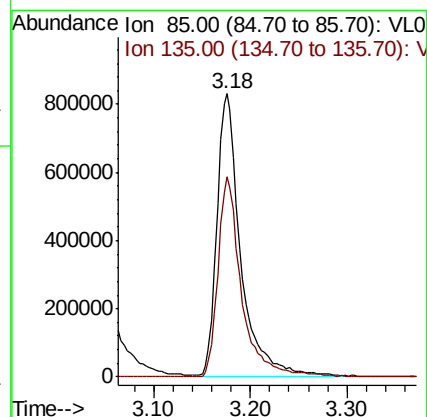
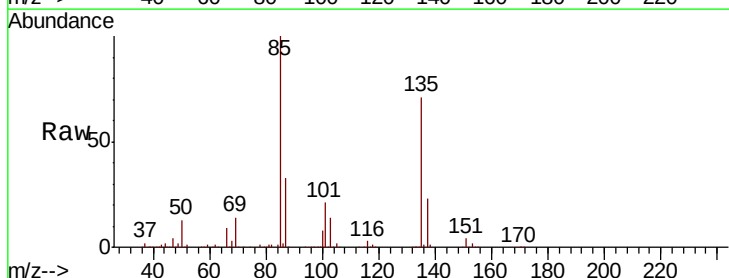
Acq: 10 May 2022 9:54

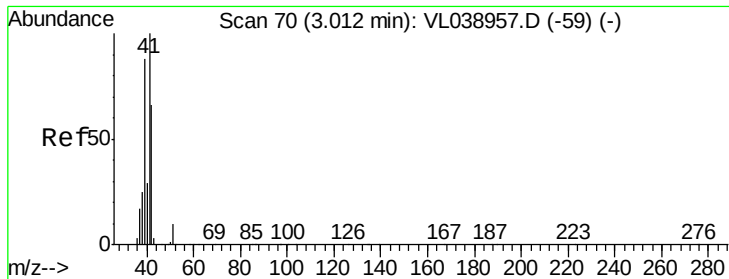
Tgt Ion: 85 Resp: 1405097

Ion Ratio Lower Upper

85 100

135 71.2 53.6 80.4





#9

Propene

Concen: 10.665 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

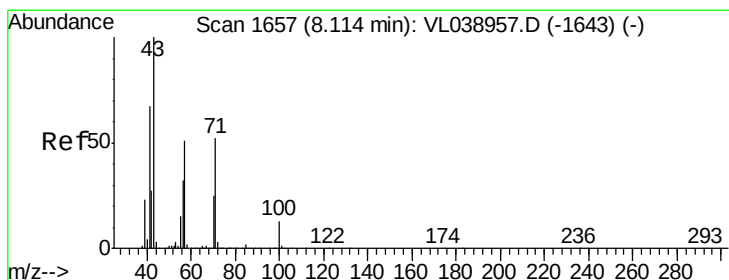
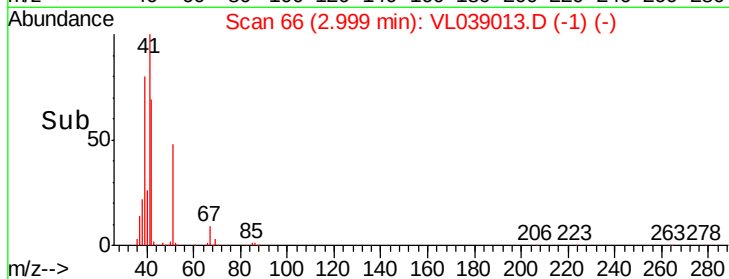
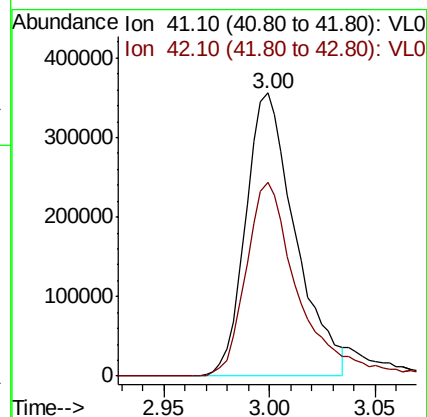
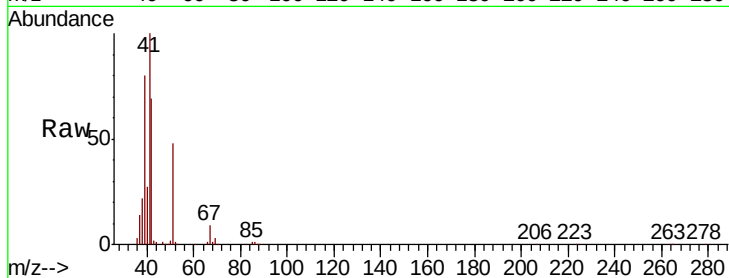
Acq: 10 May 2022 9:54

Tot Ion: 41 Resp: 583228

Ion Ratio Lower Upper

41 100

42 73.5 58.3 87.5



#10

Heptane

Concen: 11.508 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.02 min

Lab File: VL039013.D

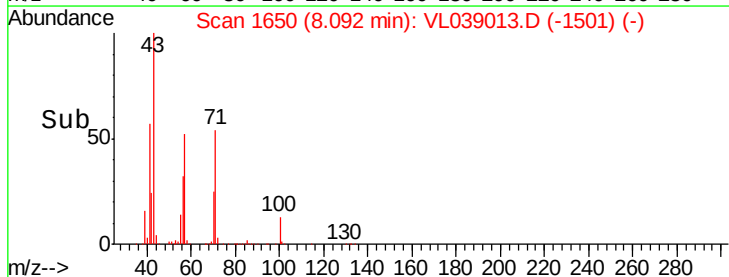
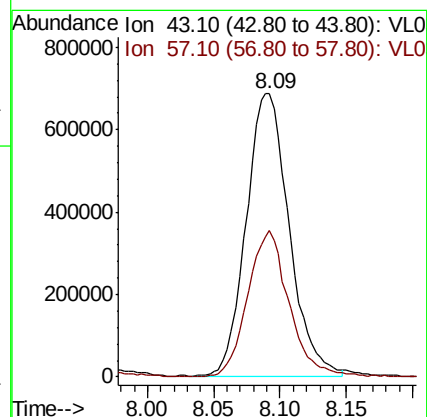
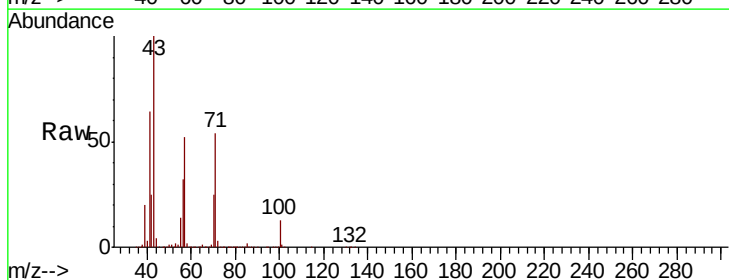
Acq: 10 May 2022 9:54

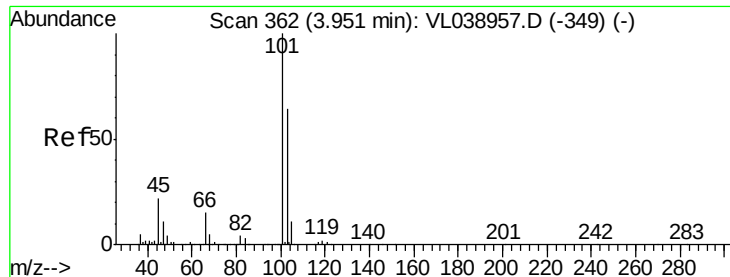
Tgt Ion: 43 Resp: 1543921

Ion Ratio Lower Upper

43 100

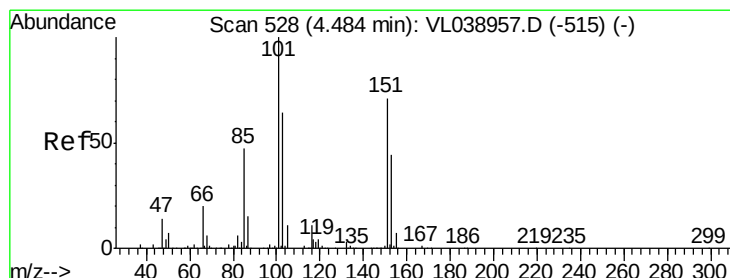
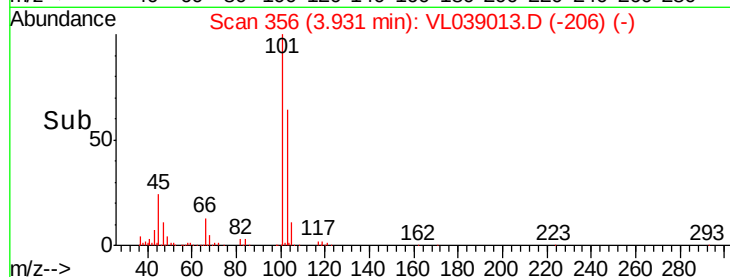
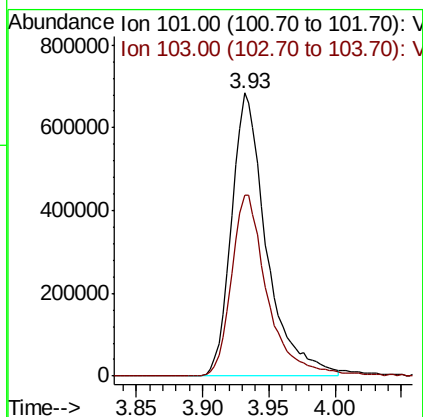
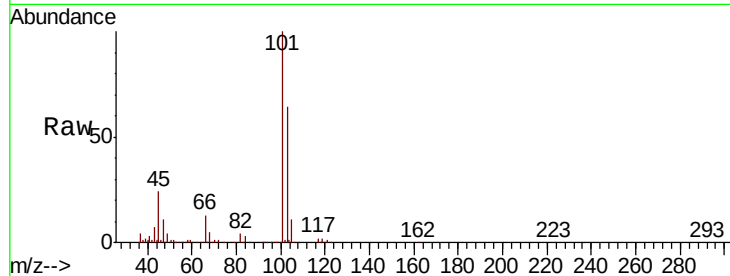
57 50.0 40.5 60.7





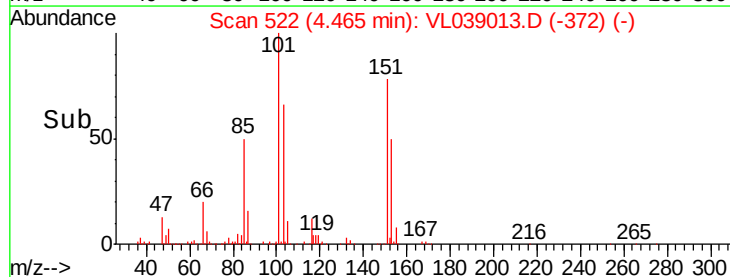
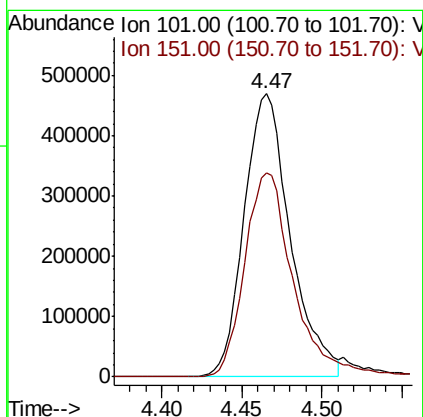
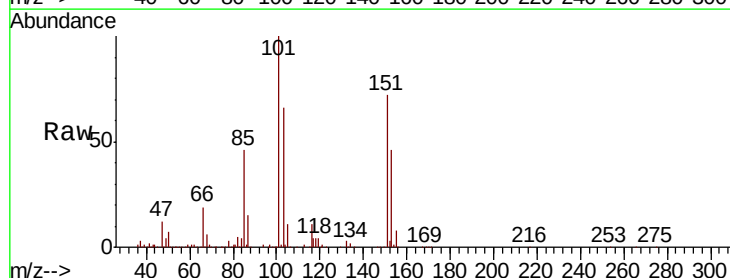
#11
 Trichlorofluoromethane
 Concen: 9.251 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 10 May 2022 9:54

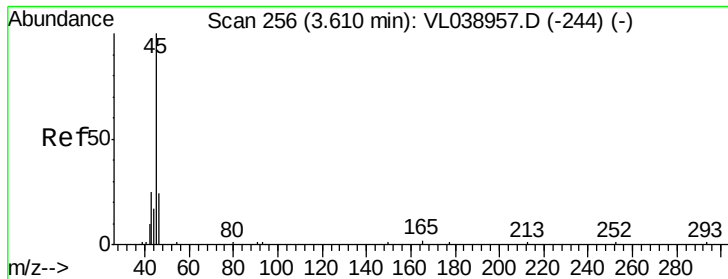
Tot Ion:101 Resp: 1255036
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.964 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

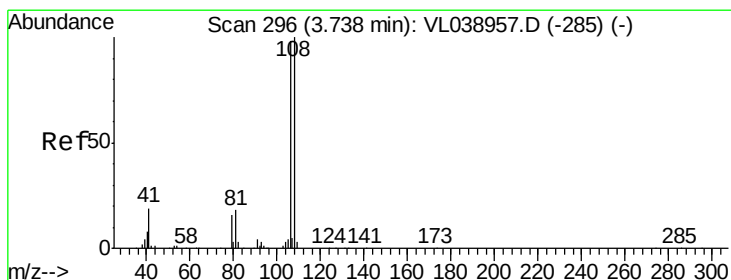
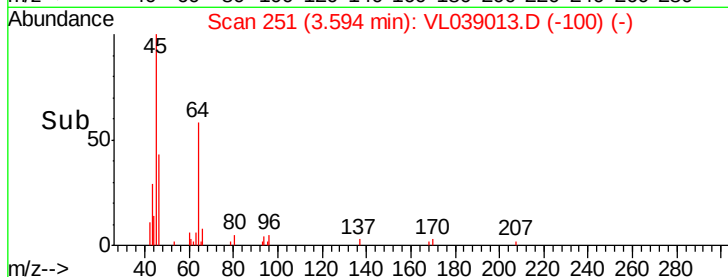
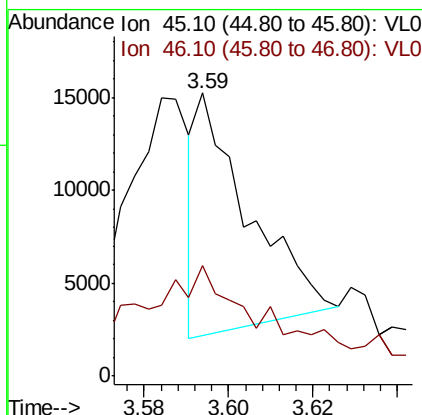
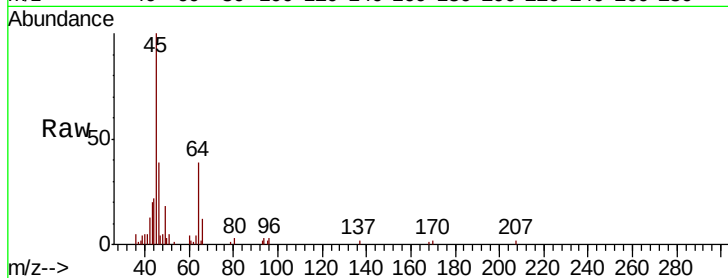
Tgt Ion:101 Resp: 931216
 Ion Ratio Lower Upper
 101 100
 151 77.2 55.4 83.0





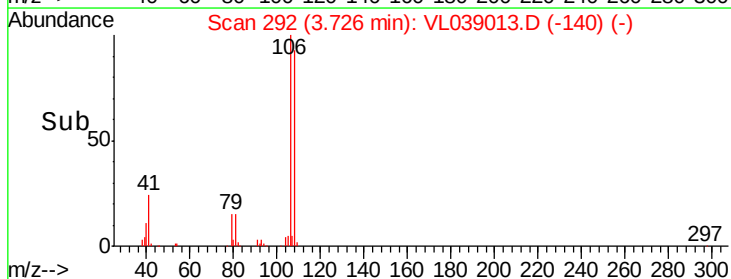
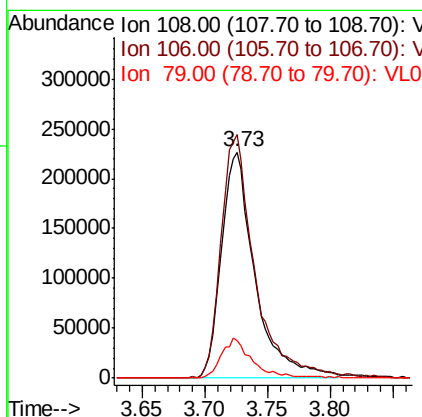
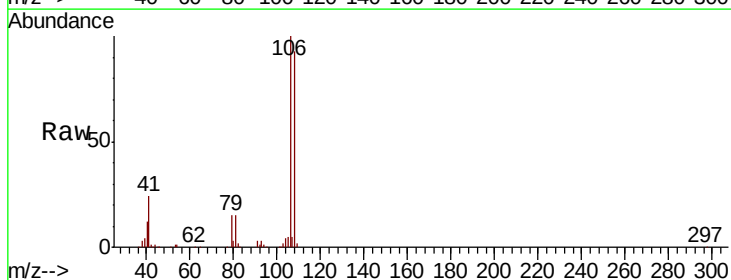
#13
 Ethanol
 Concen: 2.868 ppbv
 RT: 3.59
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0509ABS01
 Acq: 10 May 2022 9:54

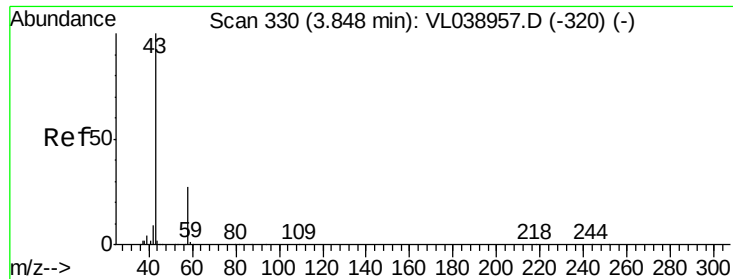
Tot Ion: 45 Resp: 11099
 Ion Ratio Lower Upper
 45 100
 46 149.4 18.0 72.2#



#14
 Bromoethene
 Concen: 10.942 ppbv
 RT: 3.73 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

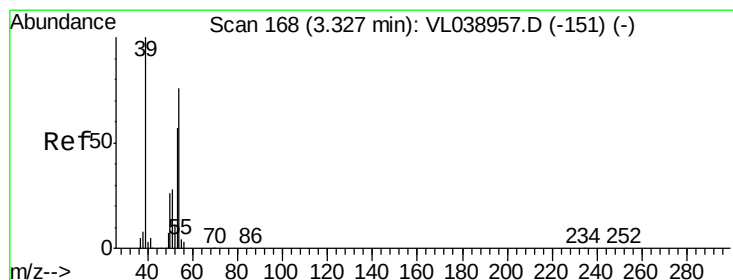
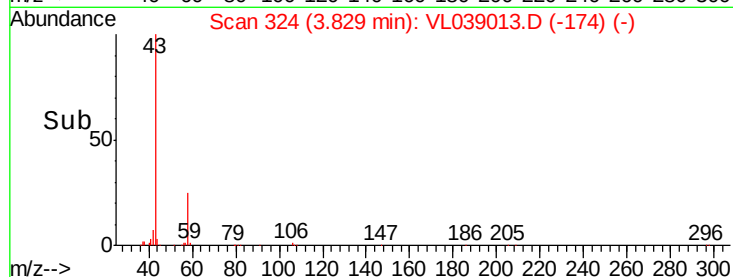
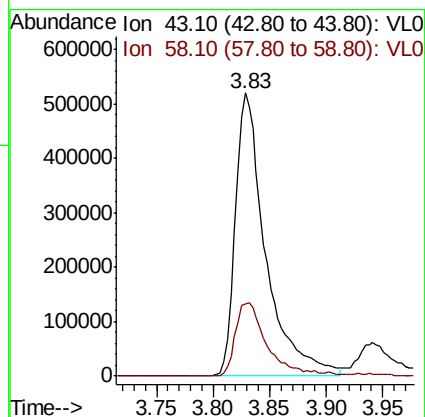
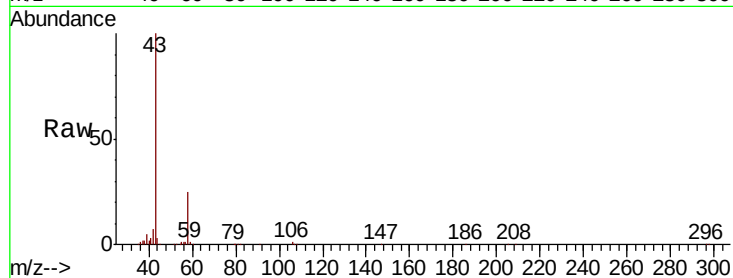
Tgt Ion: 108 Resp: 421699
 Ion Ratio Lower Upper
 108 100
 106 109.3 90.3 135.5
 79 16.5 14.9 22.3





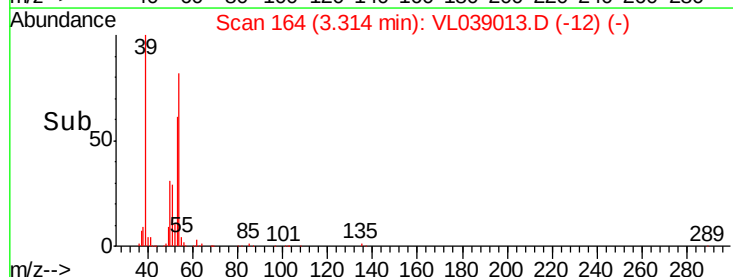
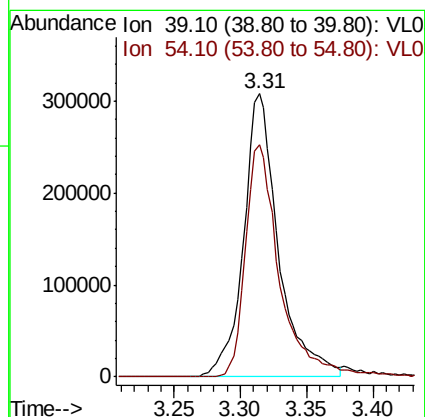
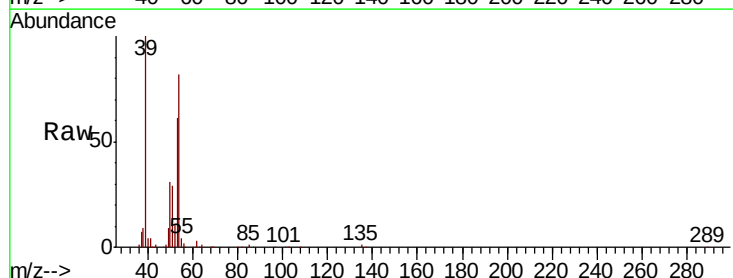
#15
Acetone
Concen: 10.170 ppbv
RT: 3.83
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 May 2022 9:54

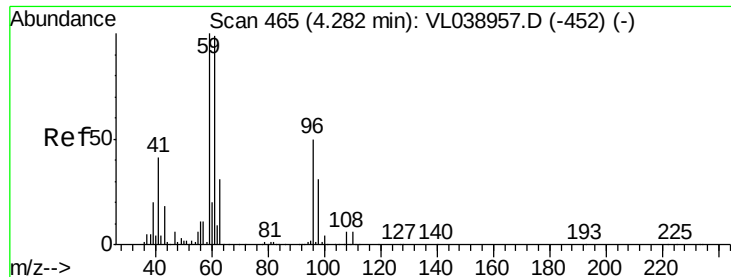
Tot Ion: 43 Resp: 968139
Ion Ratio Lower Upper
43 100
58 27.5 21.3 31.9



#16
1,3-Butadiene
Concen: 10.356 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

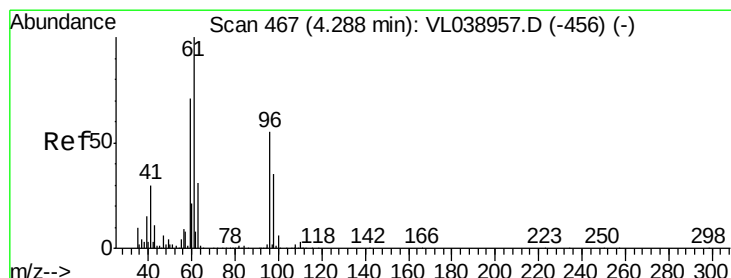
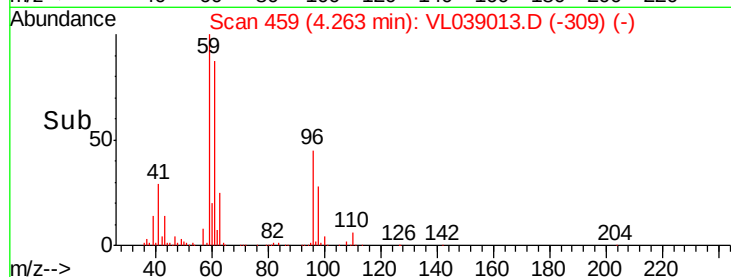
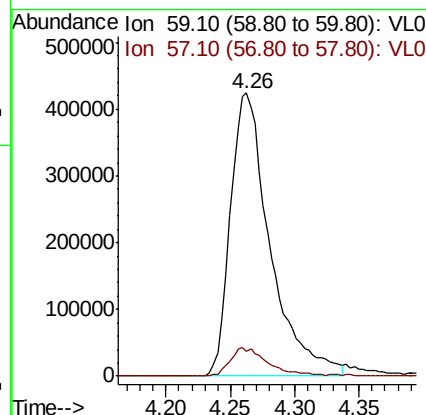
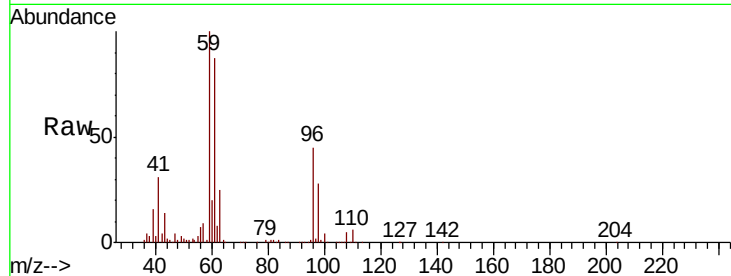
Tgt Ion: 39 Resp: 566417
Ion Ratio Lower Upper
39 100
54 80.8 65.2 97.8





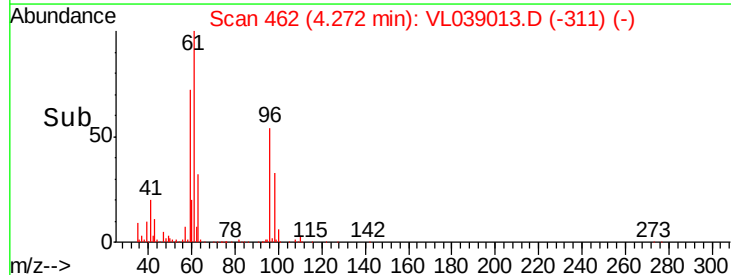
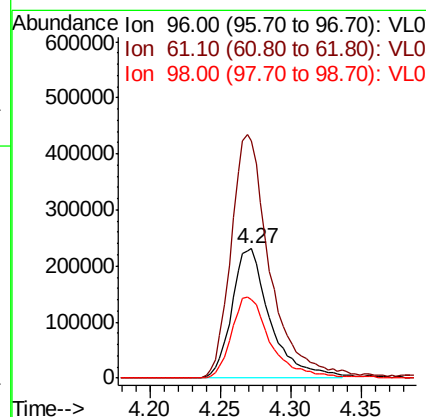
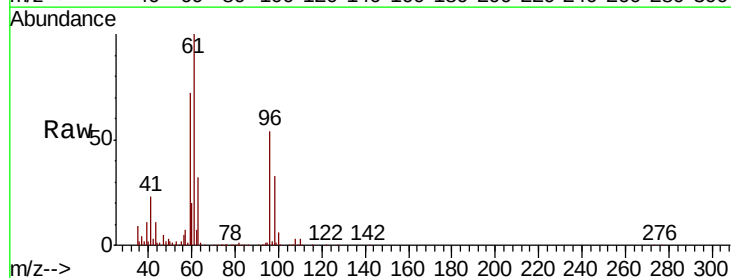
#17
 tert-Butyl alcohol
 Concen: 12.376 ppbv
 RT: 4.26
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 10 May 2022 9:54

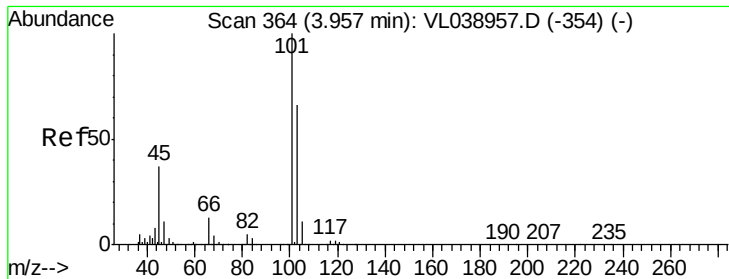
Tot Ion: 59 Resp: 905476
 Ion Ratio Lower Upper
 59 100
 57 9.9 9.2 13.8



#18
 1,1-Dichloroethene
 Concen: 10.950 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.02 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

Tgt Ion: 96 Resp: 440416
 Ion Ratio Lower Upper
 96 100
 61 183.4 146.3 219.5
 98 61.2 50.6 75.8





#19

Isopropyl Alcohol

Concen: 11.003 ppbv

RT: 3.94 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

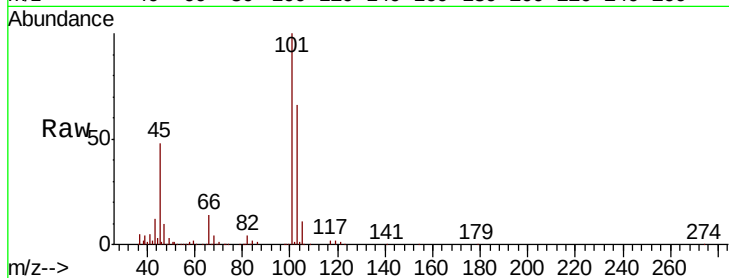
Acq: 10 May 2022 9:54

Tot Ion: 45 Resp: 498031

Ion Ratio Lower Upper

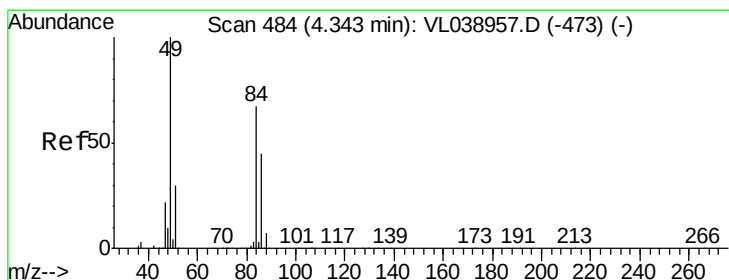
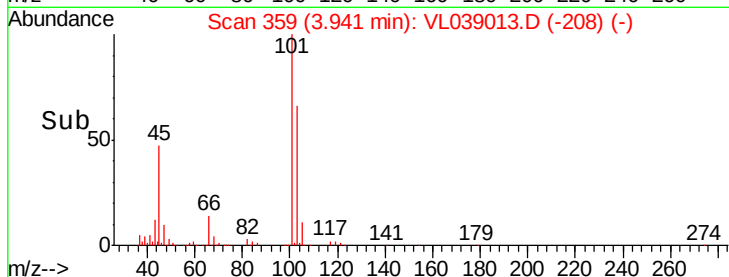
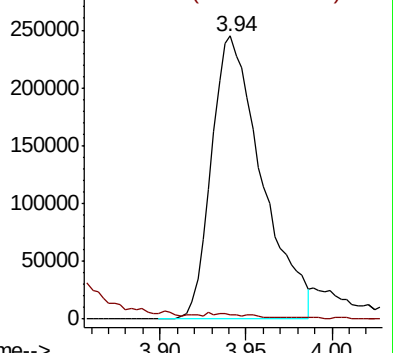
45 100

58 2.1 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 10.062 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

Tgt Ion: 84 Resp: 361020

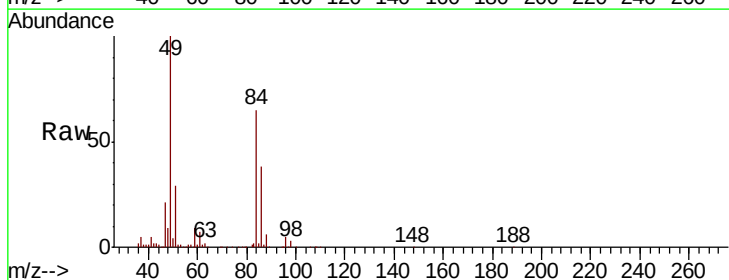
Ion Ratio Lower Upper

84 100

49 152.6 119.9 179.9

51 43.3 35.7 53.5

86 58.5 53.8 80.6

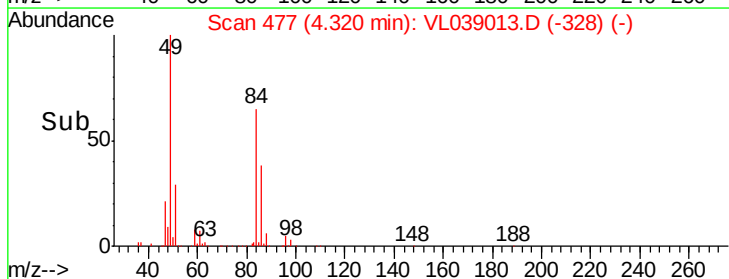
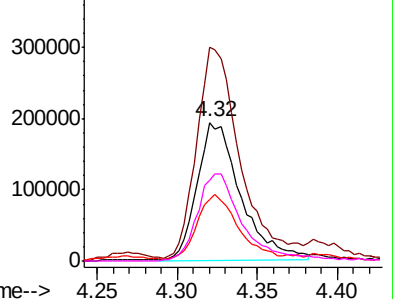


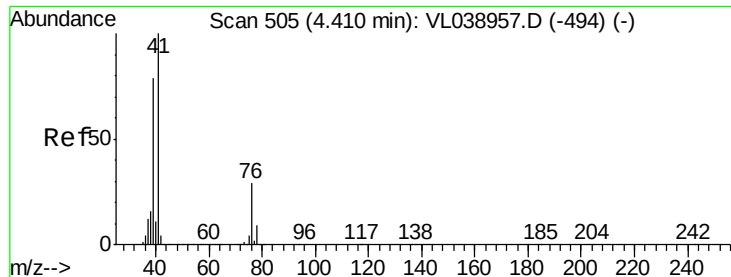
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

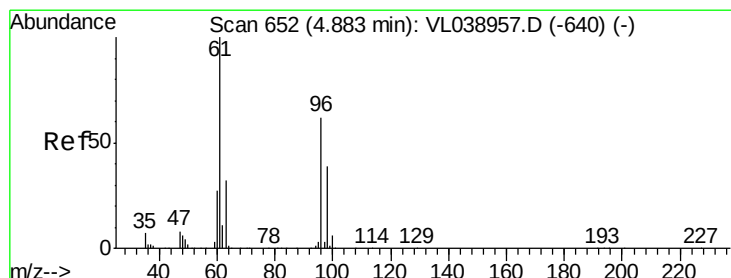
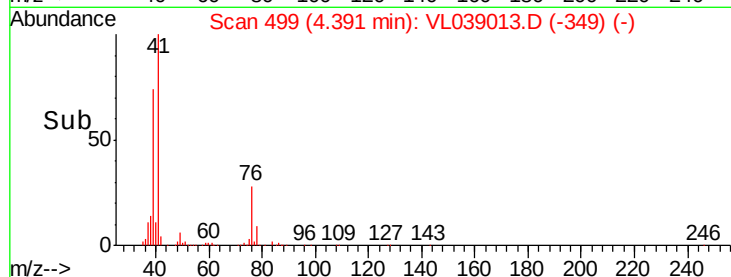
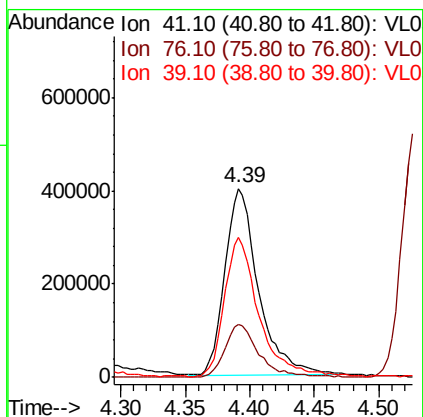
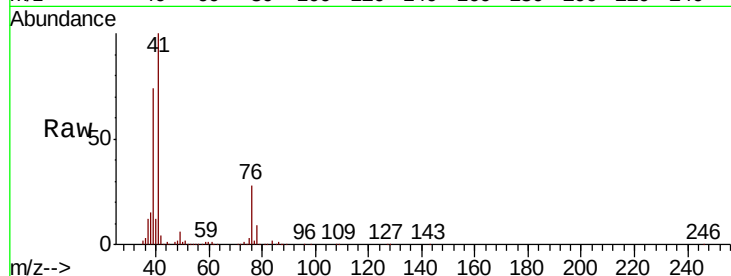
Ion 86.00 (85.70 to 86.70): VL0





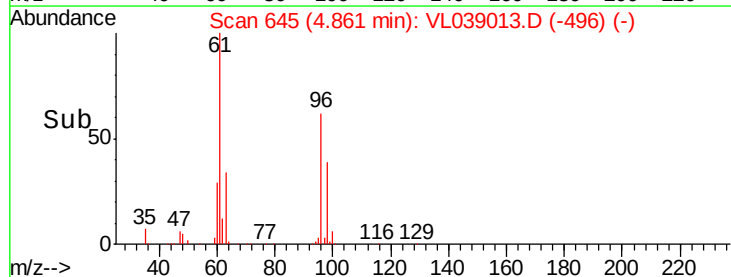
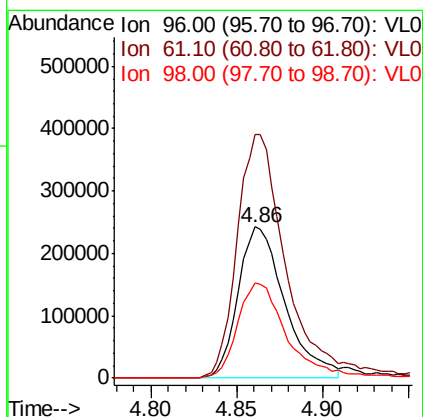
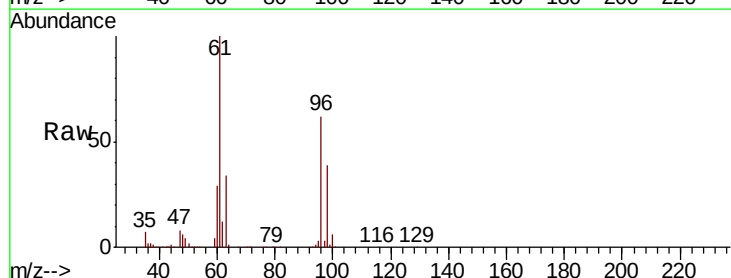
#21
 Allvl Chloride
 Concen: 11.185 ppbv
 RT: 4.39
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 10 May 2022 9:54

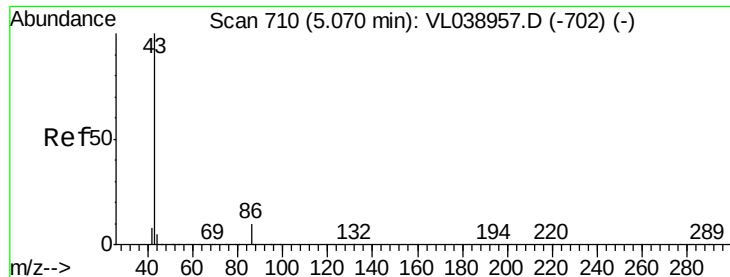
Tot Ion: 41 Resp: 725523
 Ion Ratio Lower Upper
 41 100
 76 29.1 24.2 36.4
 39 75.8 63.8 95.8



#22
 trans-1,2-Dichloroethene
 Concen: 10.627 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

Tgt Ion: 96 Resp: 461710
 Ion Ratio Lower Upper
 96 100
 61 161.3 128.2 192.2
 98 62.9 50.1 75.1





#23

Vinyl Acetate

Concen: 12.167 ppbv

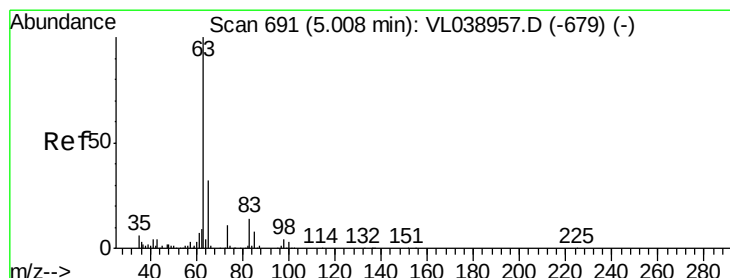
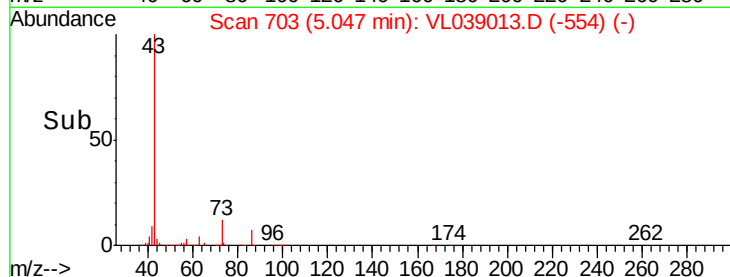
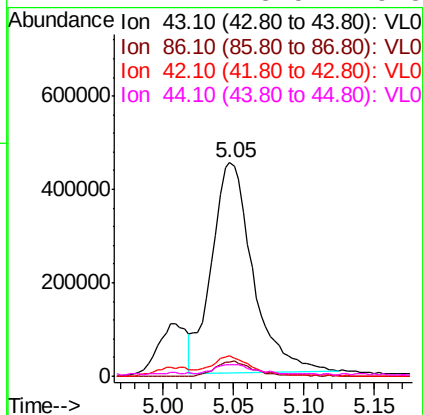
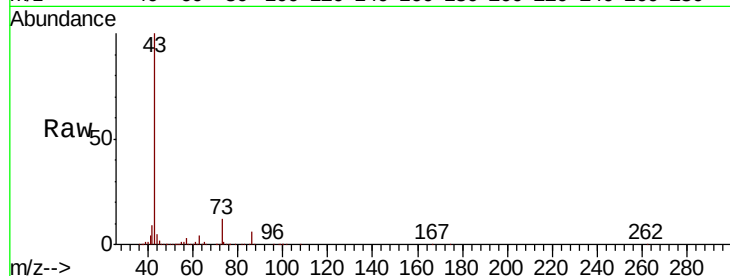
RT: 5.05 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 May 2022 9:54

Tot Ion:	43	Resp:	916429
Ion	Ratio	Lower	Upper
43	100		
86	6.4	6.6	9.8#
42	9.4	8.1	12.1
44	4.7	3.5	5.3



#24

1,1-Dichloroethane

Concen: 10.758 ppbv

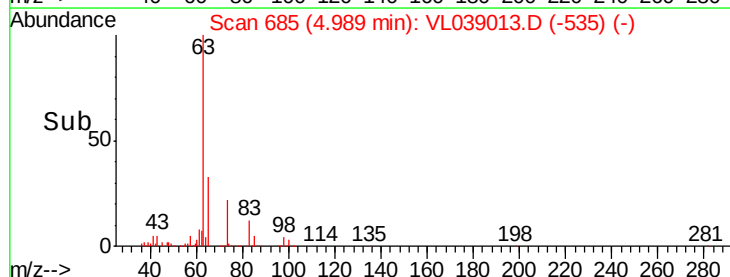
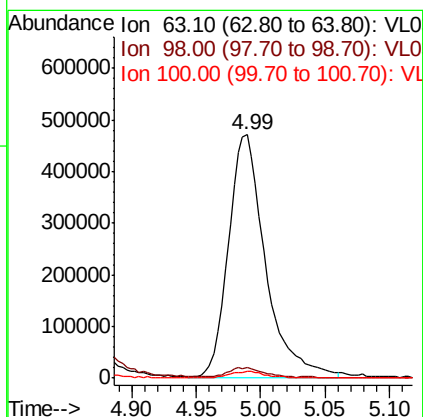
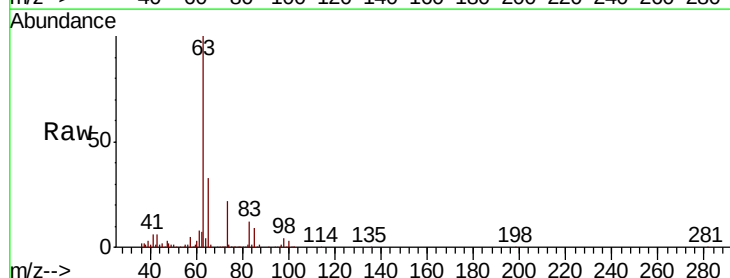
RT: 4.99 min Scan# 685

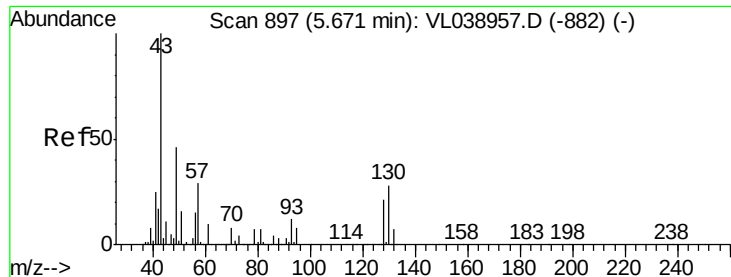
Delta R.T. -0.02 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

Tgt Ion:	63	Resp:	933052
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.6	1.4	4.2





#25

Ethyl Acetate

Concen: 11.338 ppbv

RT: 5.65 Instrument:

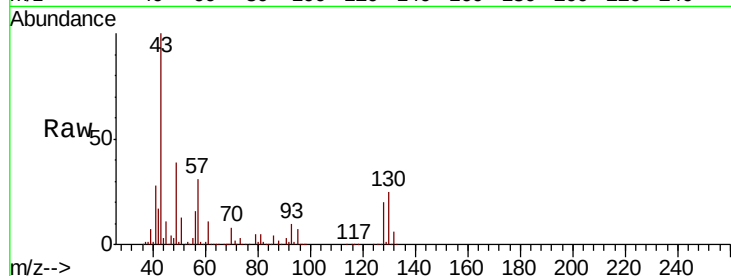
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 May 2022 9:54

Tot Ion: 43 Resp: 2583245

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.8	7.8	11.6
70	7.0	5.6	8.4



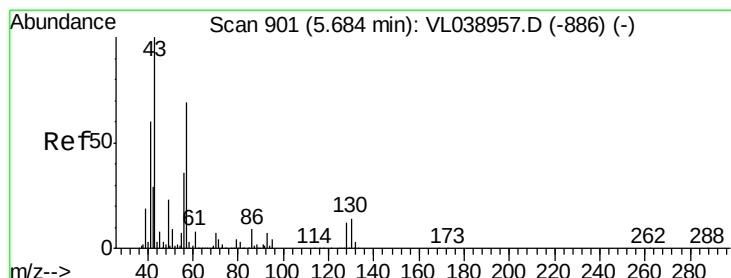
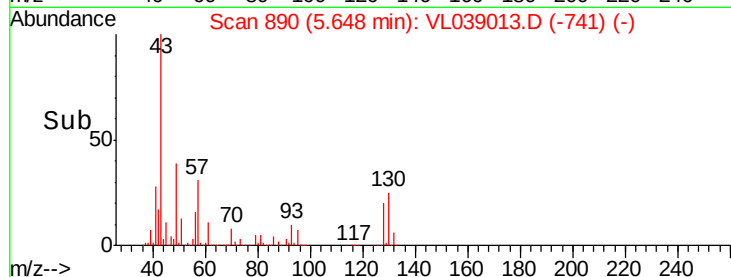
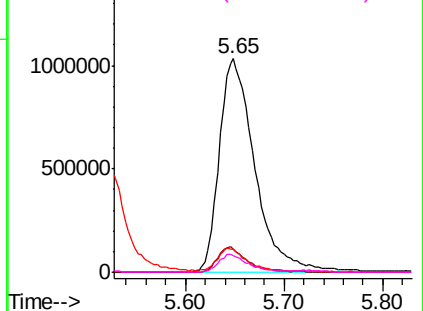
Abundance

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: 11.095 ppbv

RT: 5.66 min Scan# 894

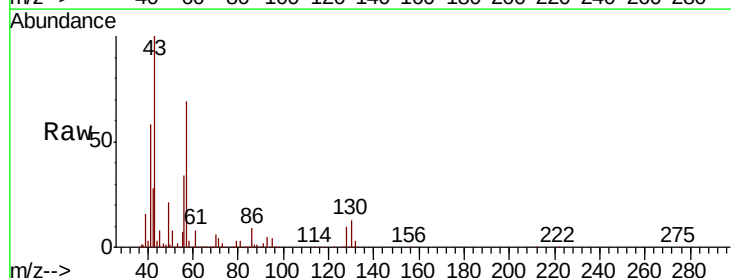
Delta R.T. -0.02 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

Tgt Ion: 57 Resp: 1123261

Ion	Ratio	Lower	Upper
57	100		
41	87.5	75.2	112.8
43	232.3	190.8	286.2
56	51.7	43.0	64.6



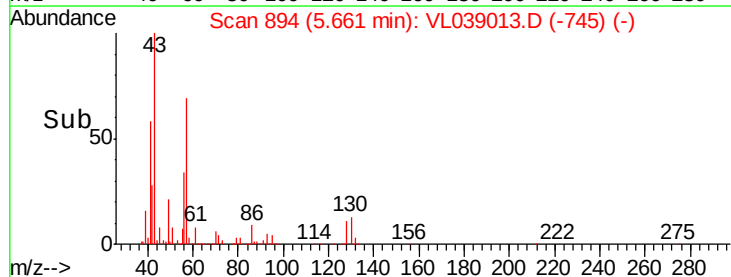
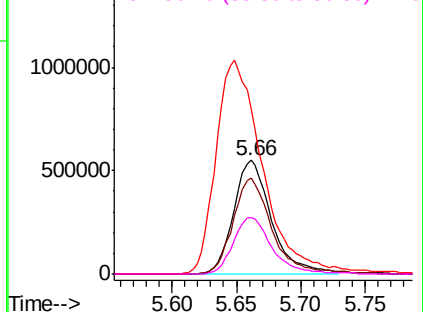
Abundance

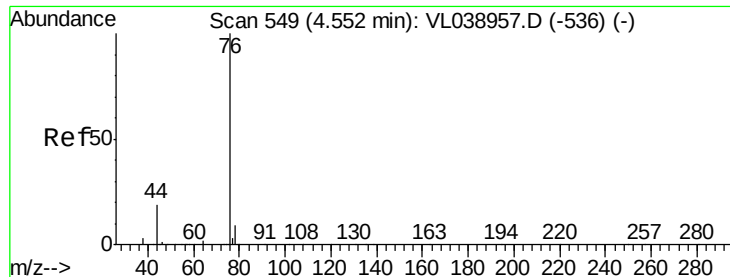
Ion 57.10 (56.80 to 57.80): VL0

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: 10.858 ppbv

RT: 4.53 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 10 May 2022 9:54

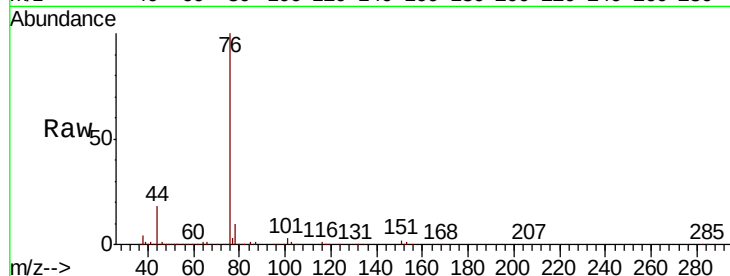
Tot Ion: 76 Resp: 1044226

Ion Ratio Lower Upper

76 100

44 18.4 15.3 22.9

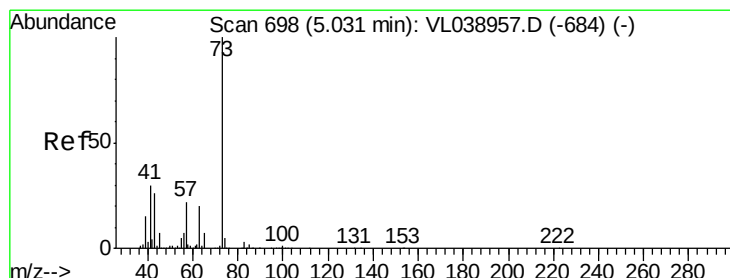
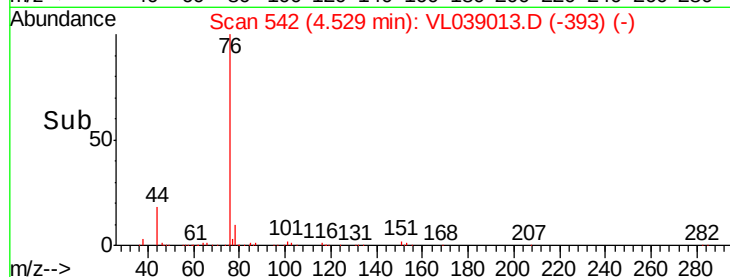
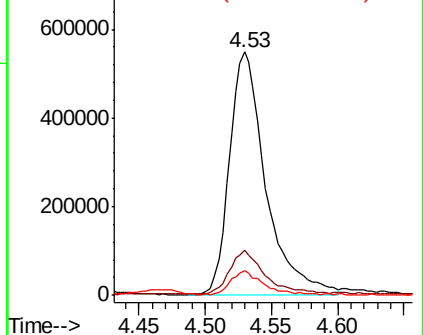
78 9.9 8.2 12.2



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: 12.301 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.02 min

Lab File: VL039013.D

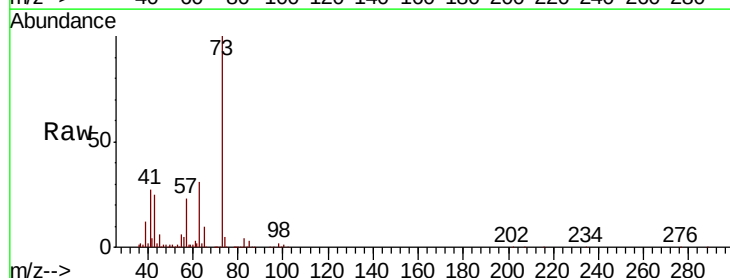
Acq: 10 May 2022 9:54

Tgt Ion: 73 Resp: 947487

Ion Ratio Lower Upper

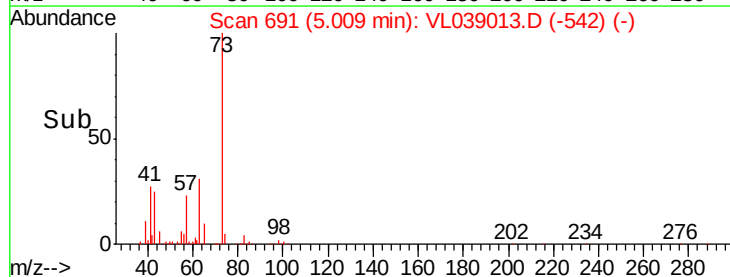
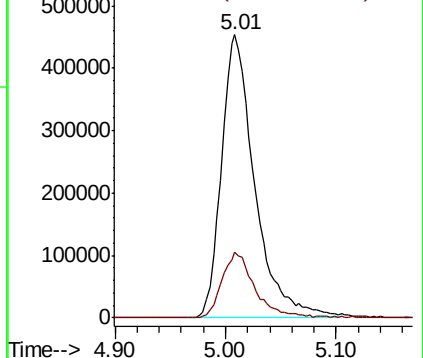
73 100

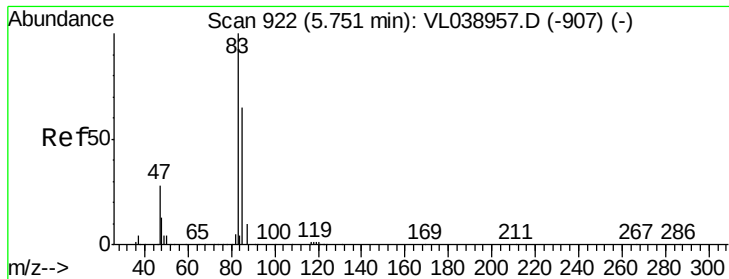
57 23.3 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

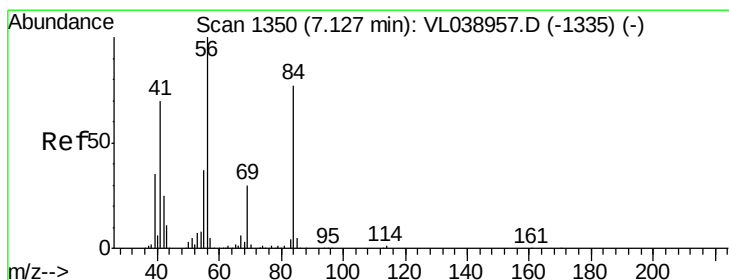
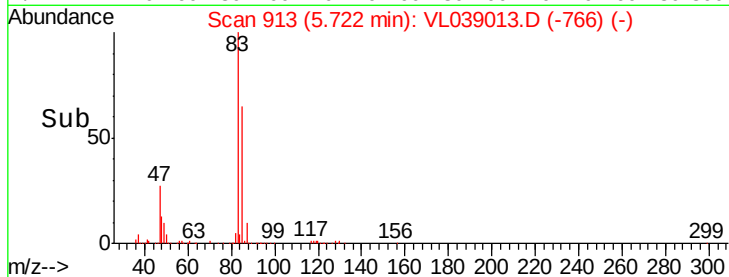
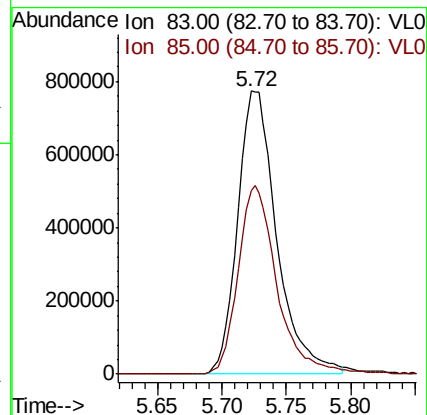
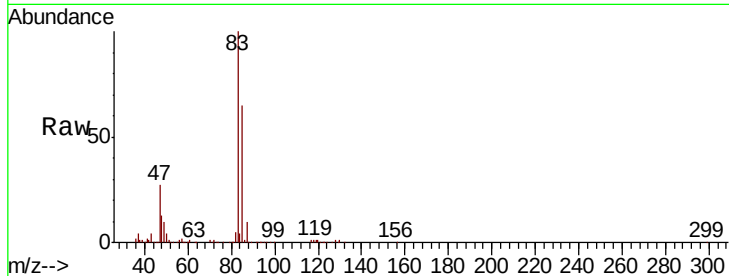
Ion 57.10 (56.80 to 57.80): VL0





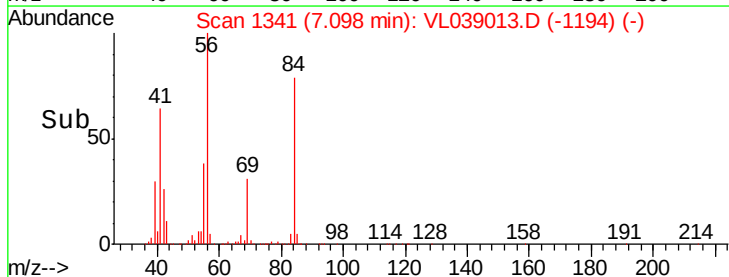
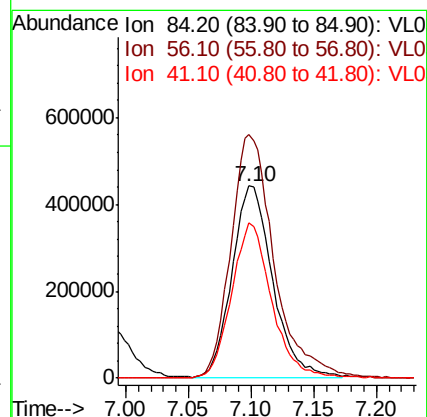
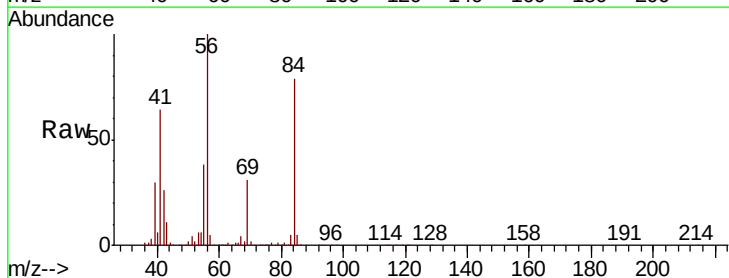
#29
Chloroform
Concen: 9.995 ppbv
RT: 5.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0509ABS01
Acq: 10 May 2022 9:54

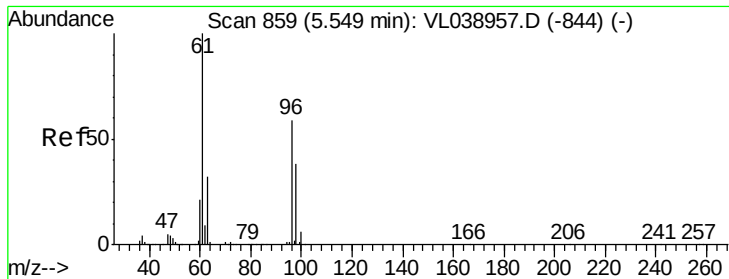
Tot Ion: 83 Resp: 1637090
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.6



#30
Cyclohexane
Concen: 11.660 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.03 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

Tgt Ion: 84 Resp: 988294
Ion Ratio Lower Upper
84 100
56 137.1 115.3 172.9
41 80.9 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 10.455 ppbv

RT: 5.52 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 10 May 2022 9:54

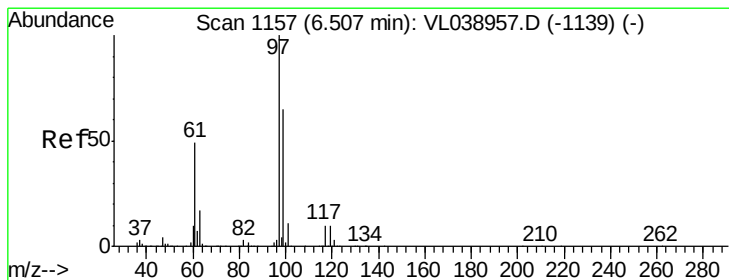
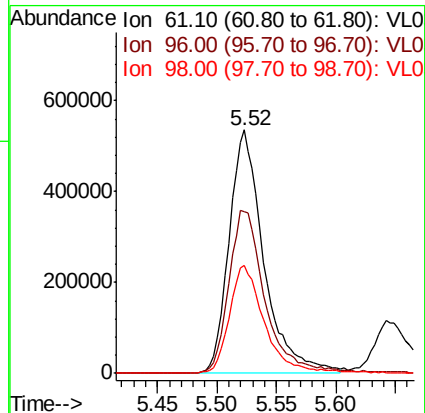
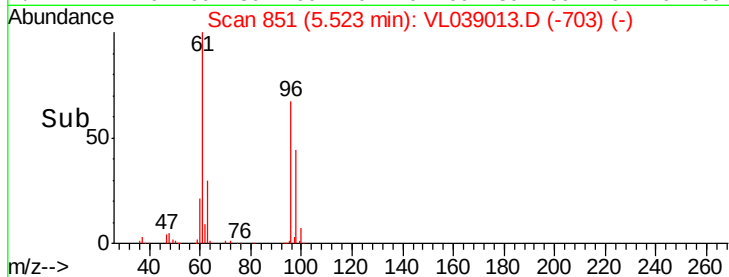
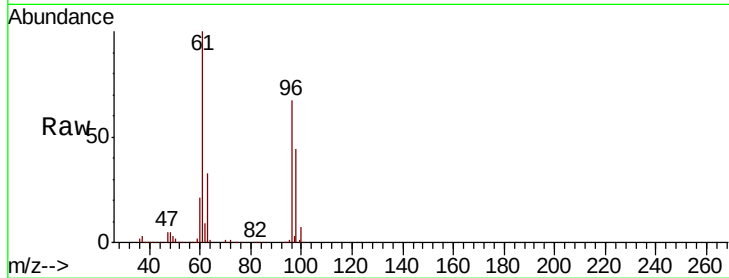
Tot Ion: 61 Resp: 1078258

Ion Ratio Lower Upper

61 100

96 66.6 47.4 71.0

98 44.4 30.6 45.8



#32

1,1,1-Trichloroethane

Concen: 10.003 ppbv

RT: 6.48 min Scan# 1149

Delta R.T. -0.03 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

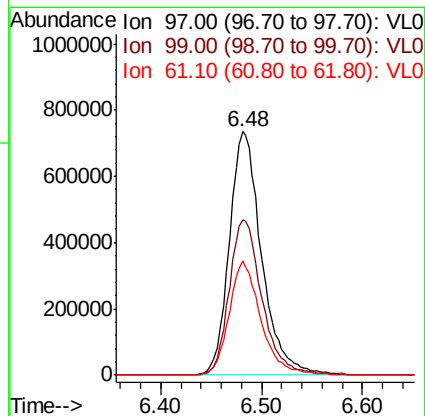
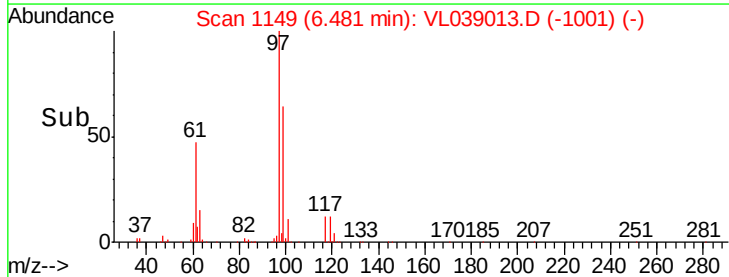
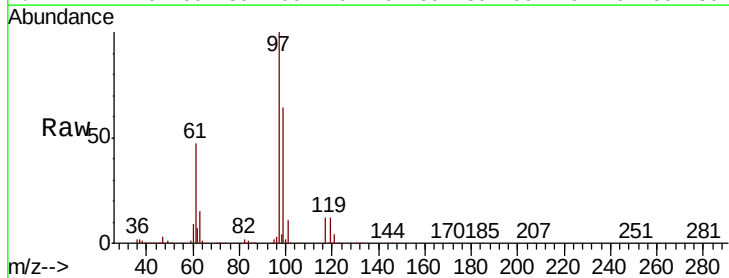
Tgt Ion: 97 Resp: 1638248

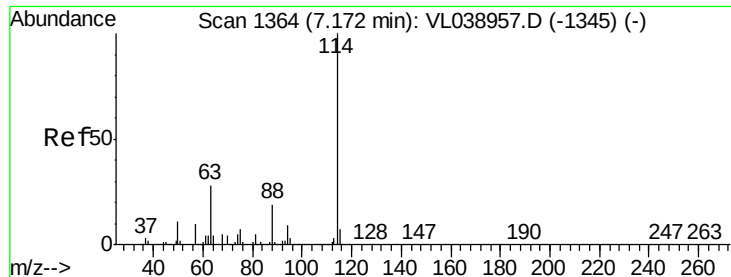
Ion Ratio Lower Upper

97 100

99 65.2 51.9 77.9

61 46.2 40.9 61.3

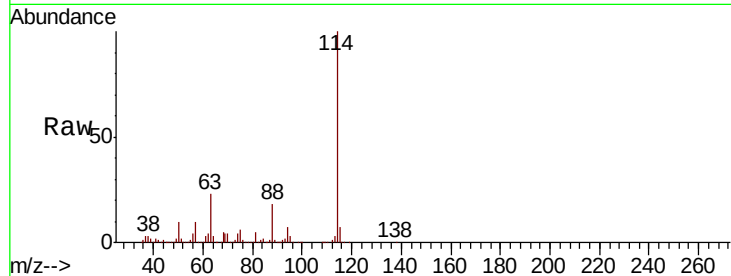




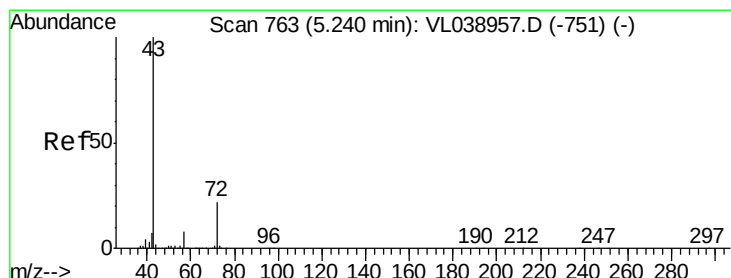
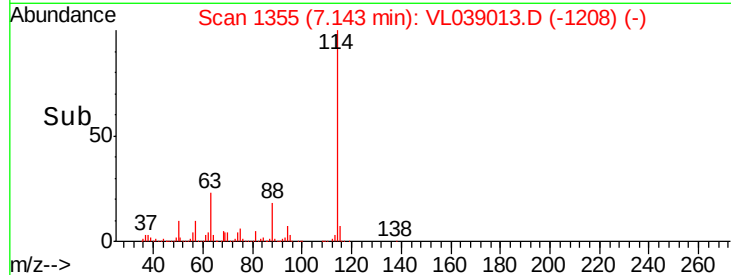
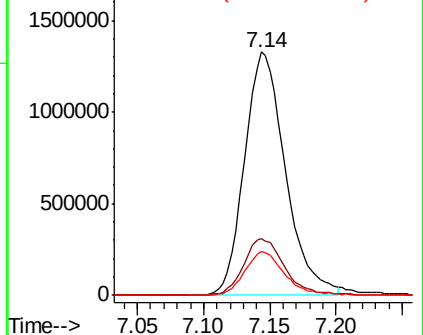
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 10 May 2022 9:54

Tot Ion:114 Resp: 2856184

Ion	Ratio	Lower	Upper
114	100		
63	24.0	22.6	33.8
88	17.8	15.4	23.0



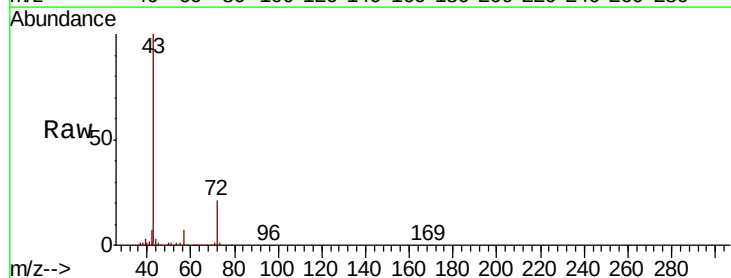
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



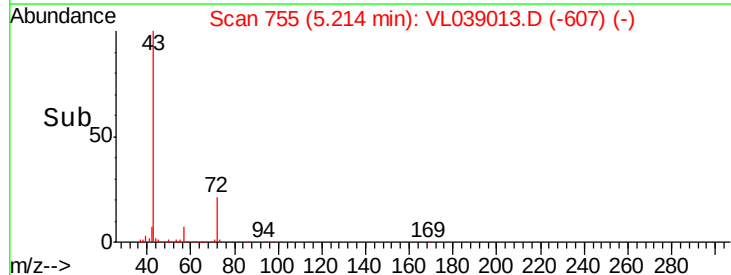
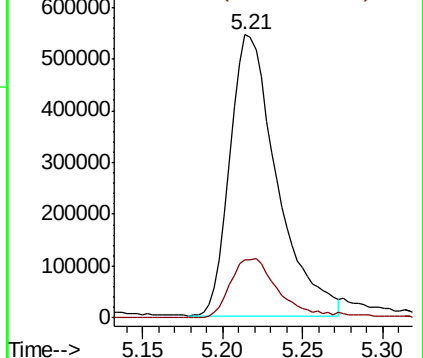
#34
 2-Butanone
 Concen: 7.509 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

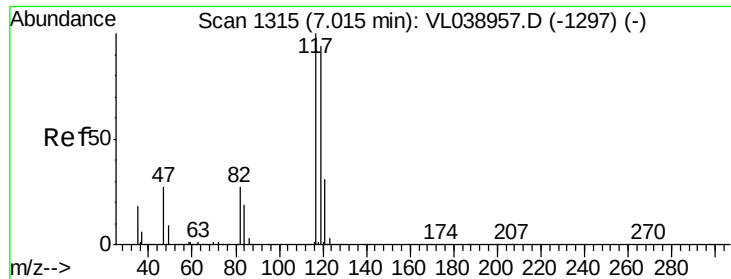
Tgt Ion: 43 Resp: 1094151

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6



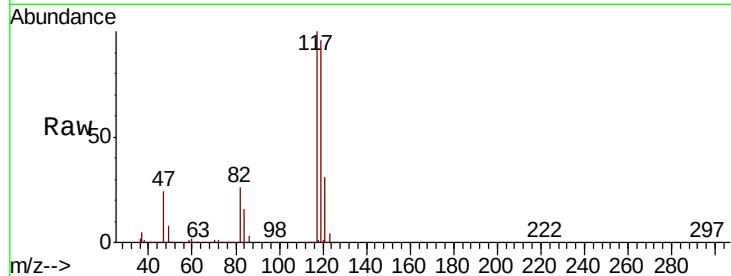
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0



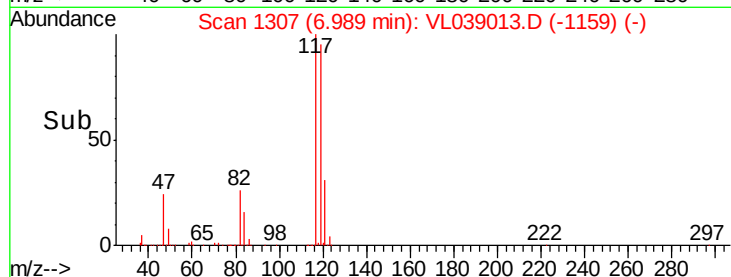
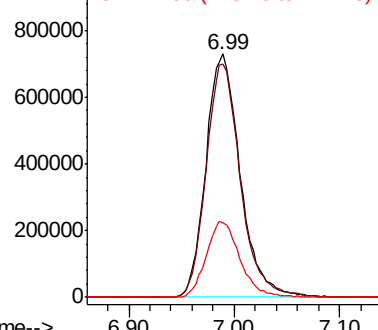


#35
Carbon Tetrachloride
Concen: 8.734 ppbv
RT: 6.99
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : VL0509ABS01
Acq: 10 May 2022 9:54

Tot Ion:117 Resp: 1643706
Ion Ratio Lower Upper
117 100
119 95.8 75.2 112.8
121 30.5 24.6 37.0

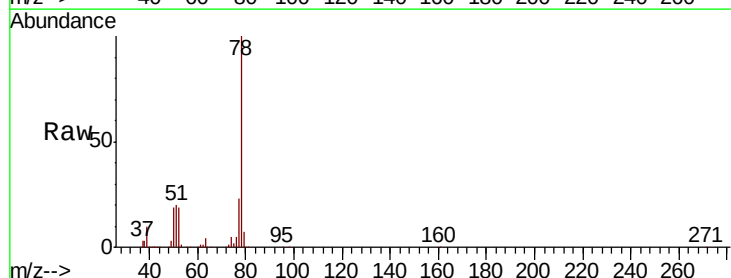
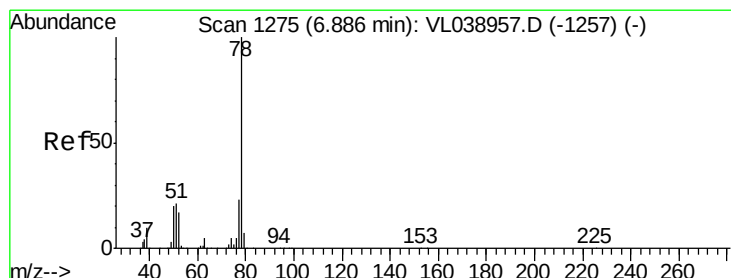


Abundance Ion 117.00 (116.70 to 117.70): V
1000000 Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

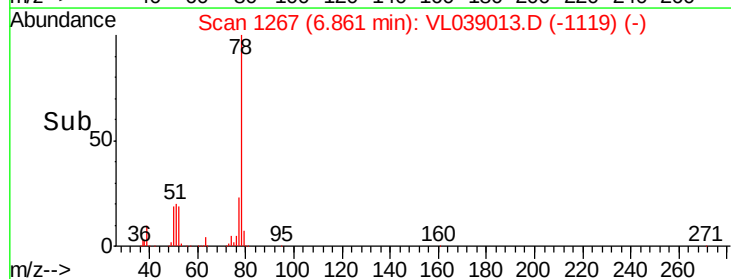
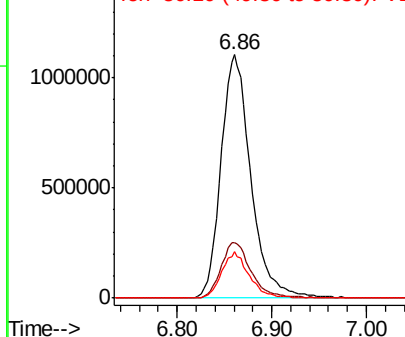


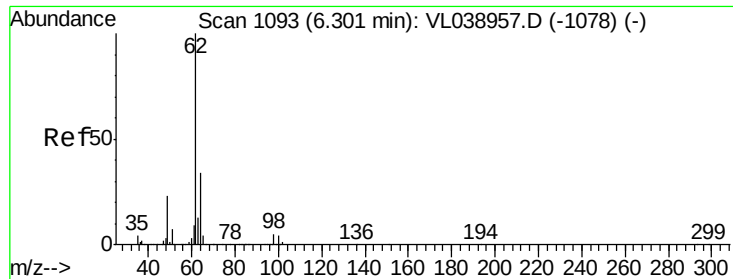
#36
Benzene
Concen: 9.905 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.03 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

Tgt Ion: 78 Resp: 2421142
Ion Ratio Lower Upper
78 100
77 22.8 18.6 28.0
50 19.0 15.6 23.4



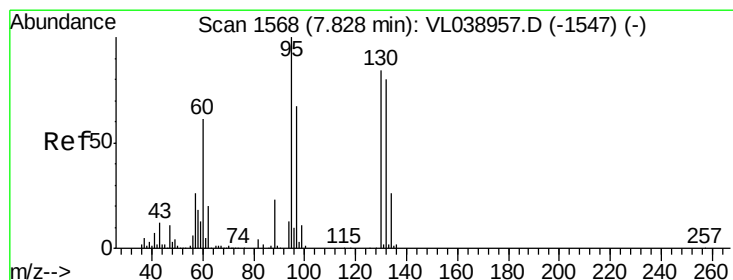
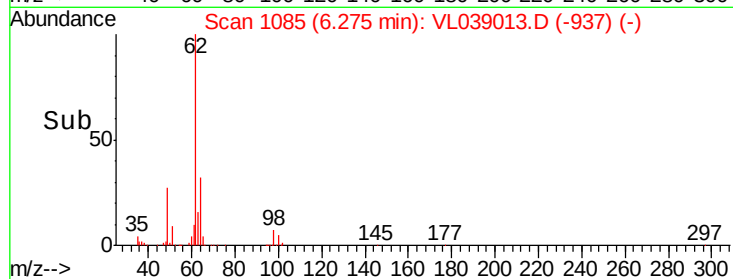
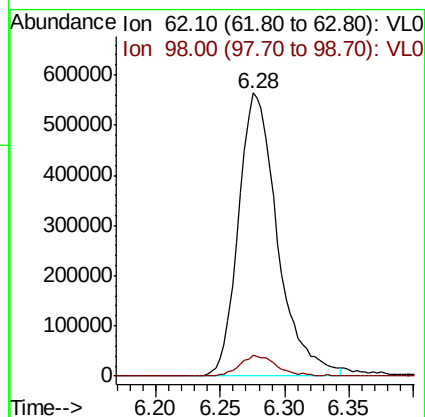
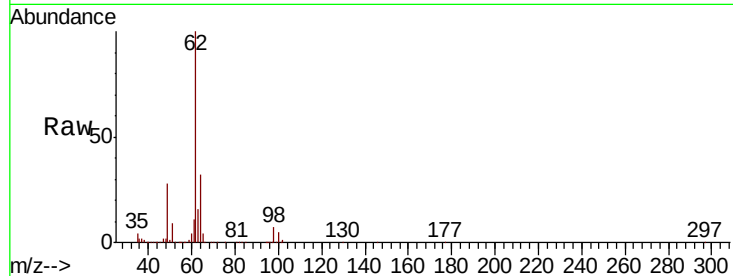
Abundance Ion 78.10 (77.80 to 78.80): VL0
1500000 Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





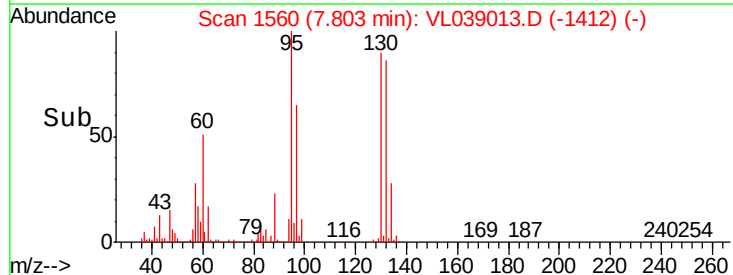
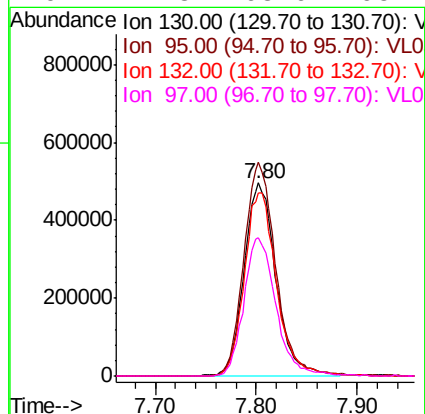
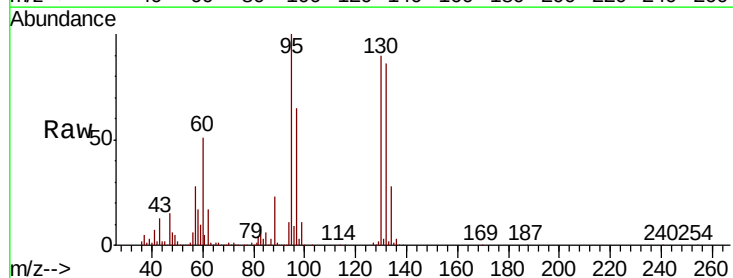
#37
 1,2-Dichloroethane
 Concen: 7.862 ppbv
 RT: 6.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 10 May 2022 9:54

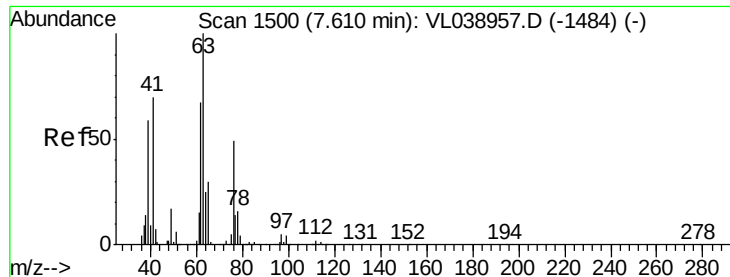
Tot Ion: 62 Resp: 1188979
 Ion Ratio Lower Upper
 62 100
 98 7.3 4.5 6.7#



#38
 Trichloroethene
 Concen: 9.958 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.03 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

Tgt Ion:130 Resp: 1082009
 Ion Ratio Lower Upper
 130 100
 95 110.8 94.8 142.2
 132 95.0 75.8 113.8
 97 71.8 63.6 95.4





#39

1,2-Dichloropropane

Concen: 9.734 ppbv

RT: 7.58 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 May 2022 9:54

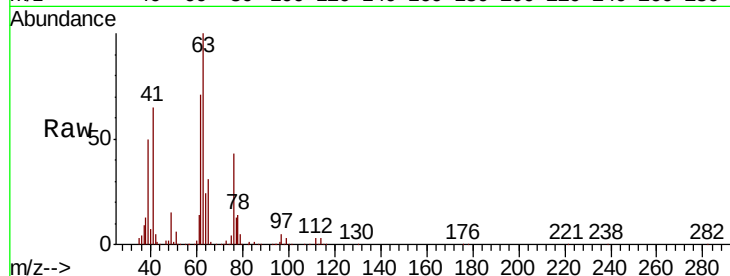
Tot Ion: 63 Resp: 925747

Ion Ratio Lower Upper

63 100

41 64.7 55.9 83.9

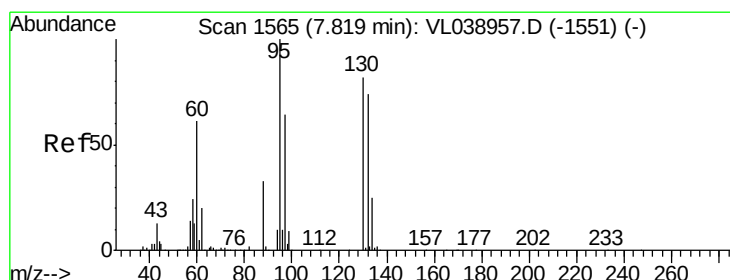
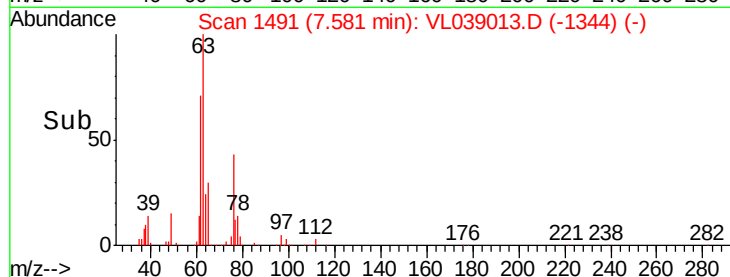
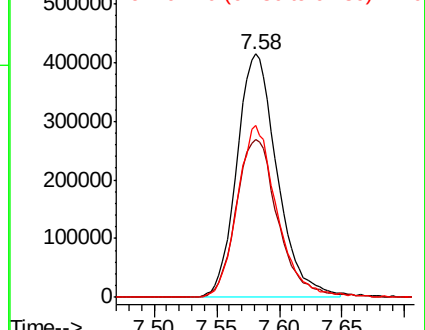
62 70.6 53.8 80.6



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: 10.019 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.03 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

Tgt Ion: 88 Resp: 342235

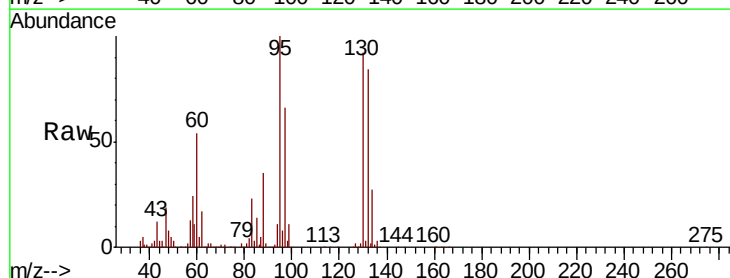
Ion Ratio Lower Upper

88 100

58 127.7 106.1 159.1

43 257.8 222.9 334.3

57 1160.5 957.6 1436.4

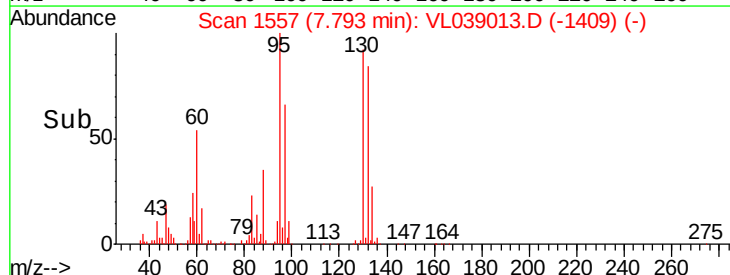
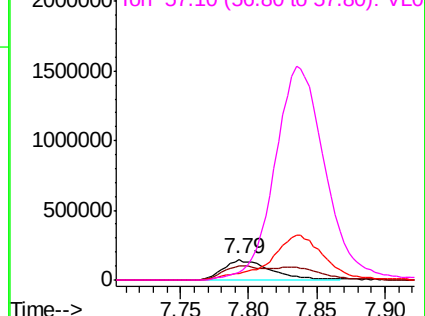


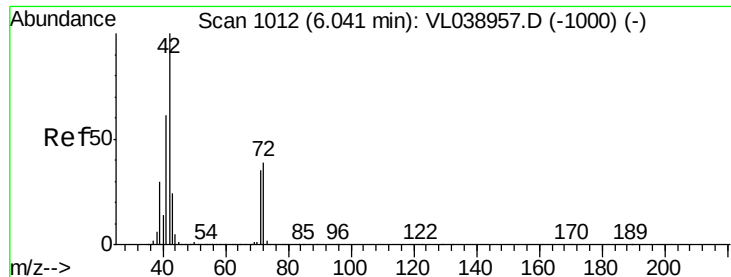
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.325 ppbv

RT: 6.02

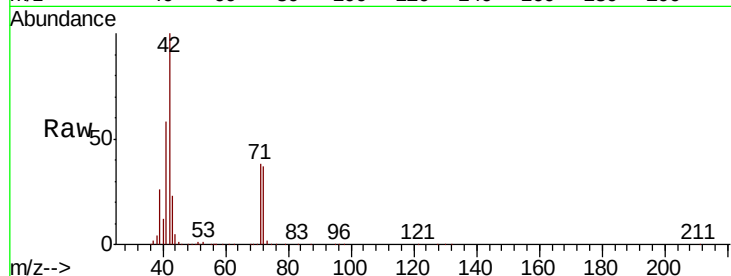
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 9:54

Tot Ion: 42 Resp: 1011158

Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.8	47.6
71	37.7	30.6	45.8

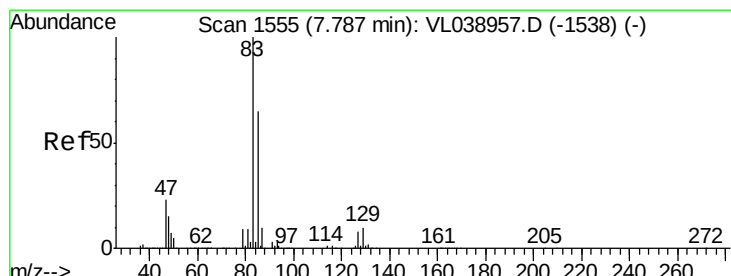
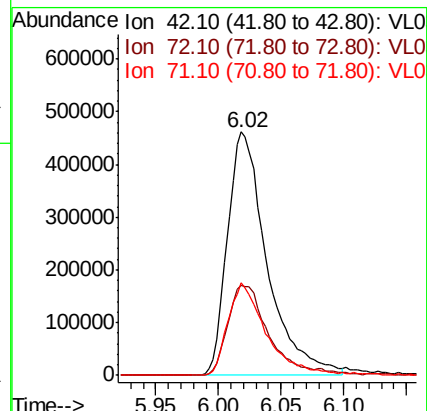
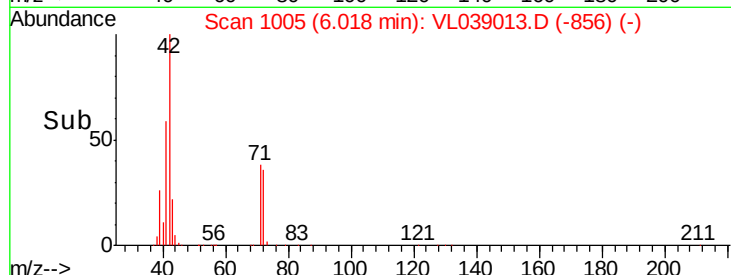


Abundance

Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 8.683 ppbv

RT: 7.76 min Scan# 1546

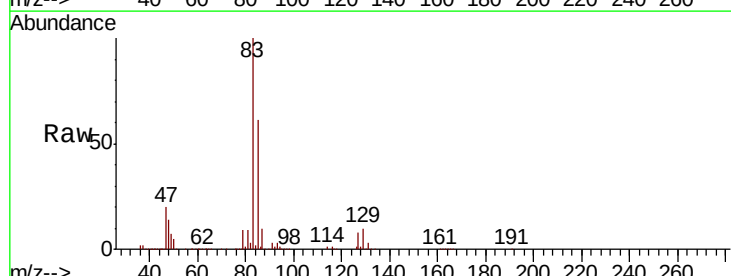
Delta R.T. -0.03 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

Tgt Ion: 83 Resp: 1795229

Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.0	78.0
127	7.8	6.0	9.0

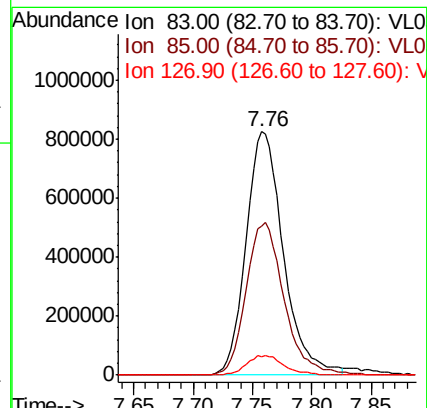
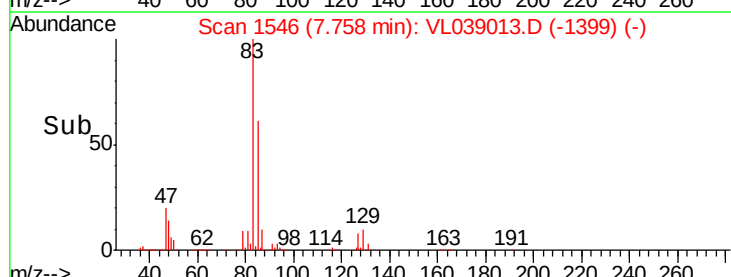


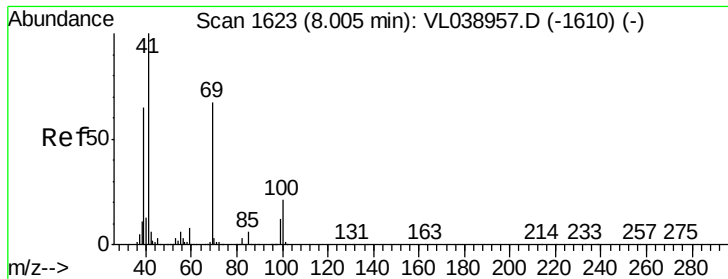
Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

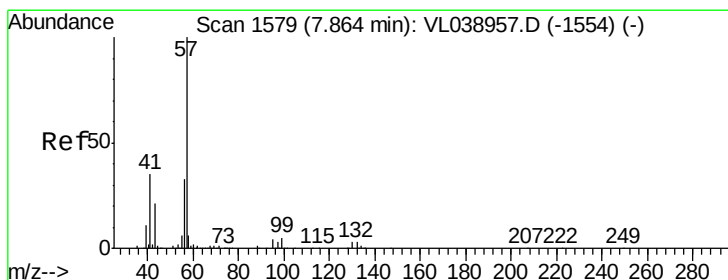
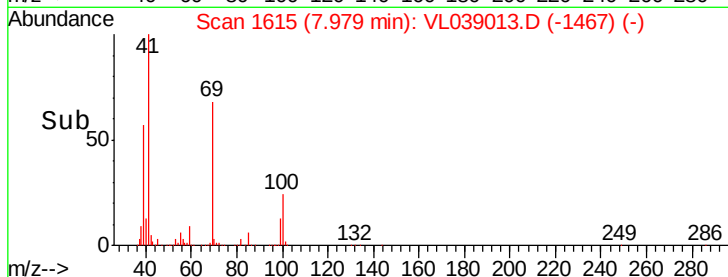
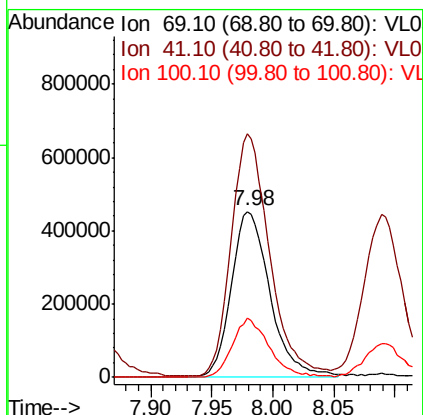
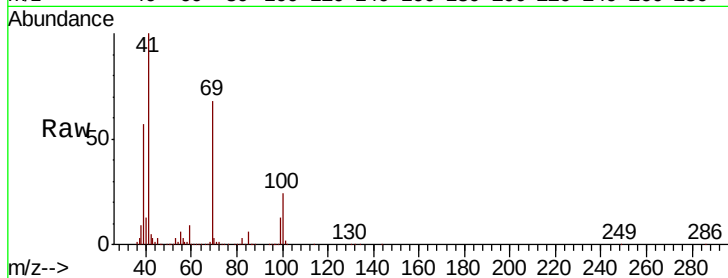
Ion 126.90 (126.60 to 127.60): V





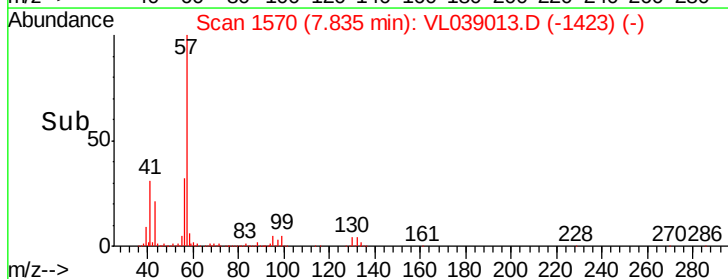
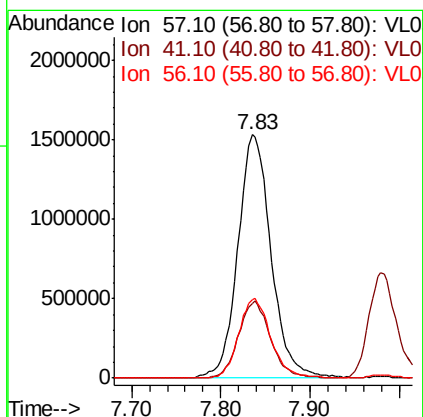
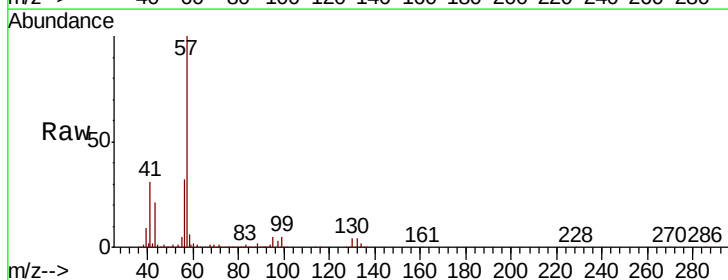
#43
Methyl Methacrylate
Concen: 10.066 ppbv
RT: 7.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0509ABS01
Acq: 10 May 2022 9:54

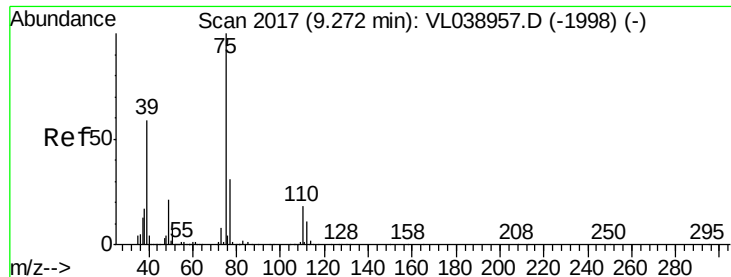
Tot Ion: 69 Resp: 998850
Ion Ratio Lower Upper
69 100
41 145.6 121.9 182.9
100 34.0 24.6 36.8



#44
2,2,4-Trimethylpentane
Concen: 9.217 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.03 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

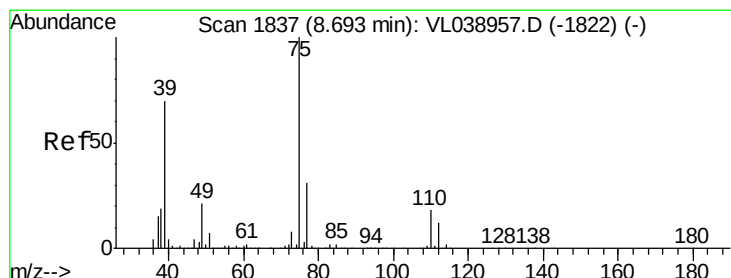
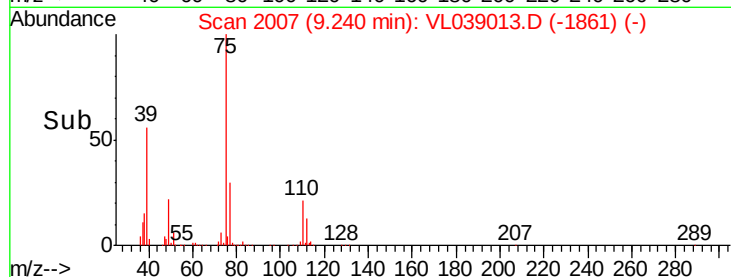
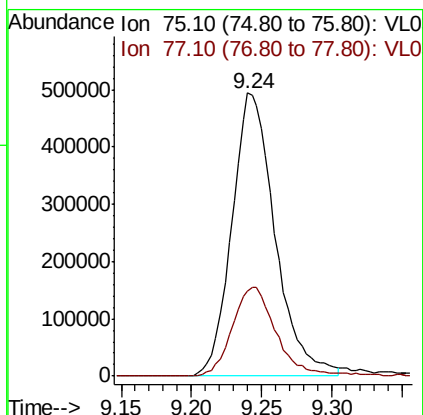
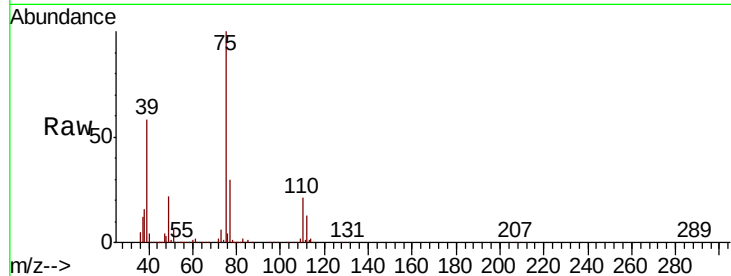
Tgt Ion: 57 Resp: 3953330
Ion Ratio Lower Upper
57 100
41 30.7 26.3 39.5
56 31.8 24.6 37.0





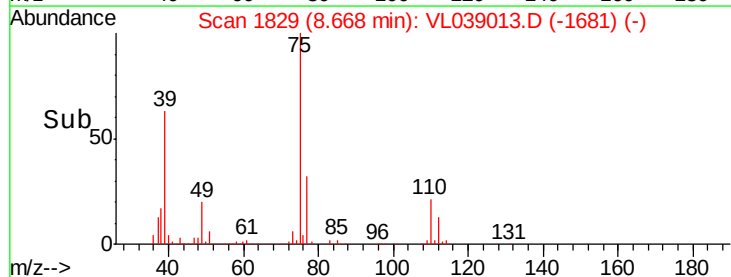
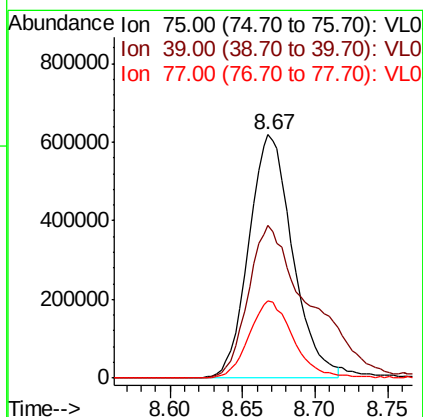
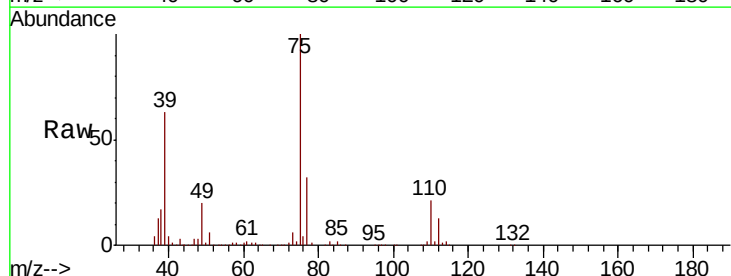
#45
 t-1,3-Dichloropropene
 Concen: 10.928 ppbv
 RT: 9.24
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: VL0509ABS01
 Acq: 10 May 2022 9:54

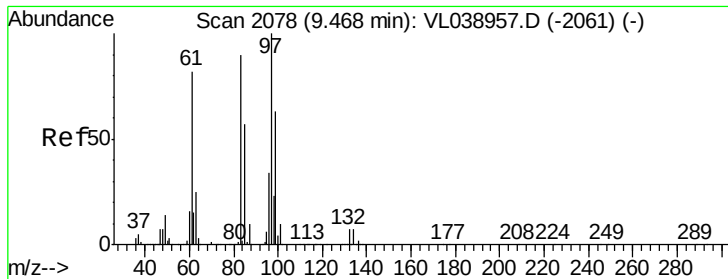
Tot Ion: 75 Resp: 1049684
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 10.200 ppbv
 RT: 8.67 min Scan# 1829
 Delta R.T. -0.03 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

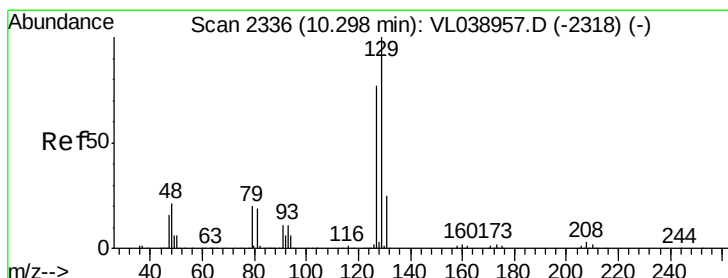
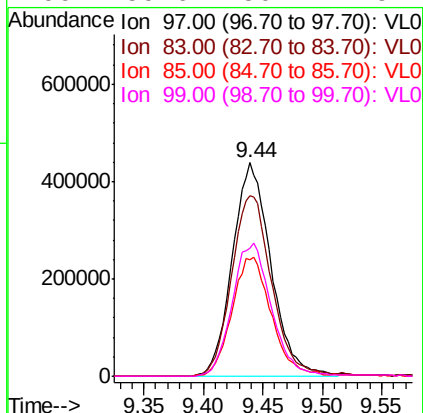
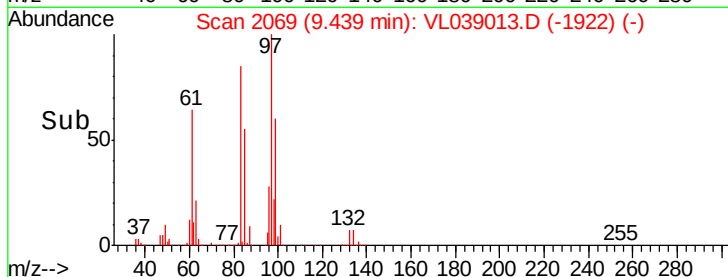
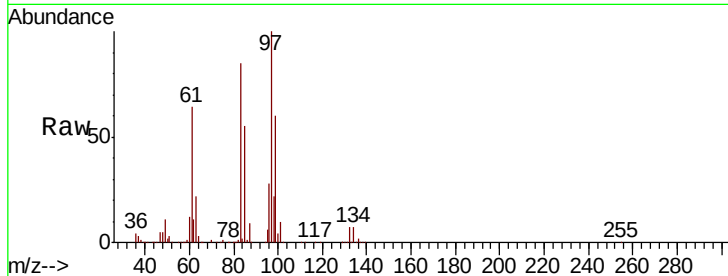
Tgt Ion: 75 Resp: 1299317
 Ion Ratio Lower Upper
 75 100
 39 62.7 55.8 83.6
 77 31.9 24.8 37.2





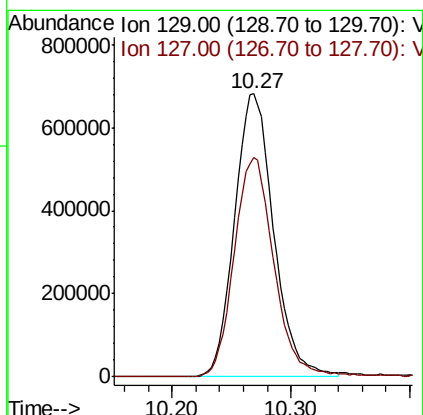
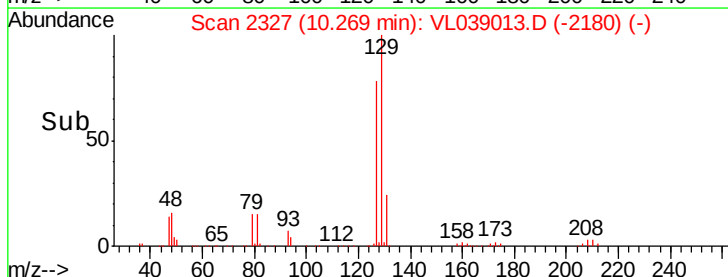
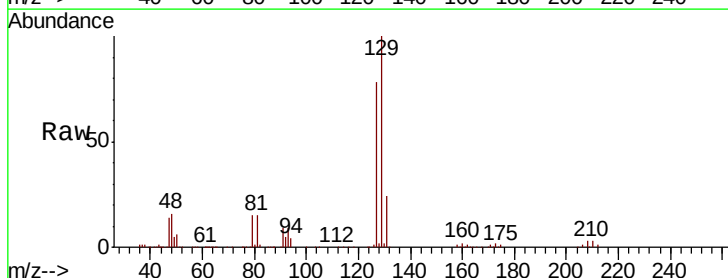
#47
 1,1,2-Trichloroethane
 Concen: 9.933 ppbv
 RT: 9.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0509ABS01
 Acq: 10 May 2022 9:54

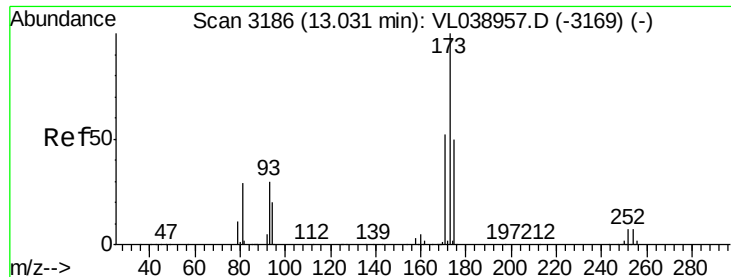
Tot Ion:	97	Resp:	982550
Ion	Ratio	Lower	Upper
97	100		
83	84.5	72.0	108.0
85	54.7	45.7	68.5
99	59.6	50.2	75.4



#48
 Dibromochloromethane
 Concen: 9.619 ppbv
 RT: 10.27 min Scan# 2327
 Delta R.T. -0.03 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

Tgt Ion:	129	Resp:	1548658
Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.3	117.9





#49

Bromoform

Concen: 9.820 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 9:54

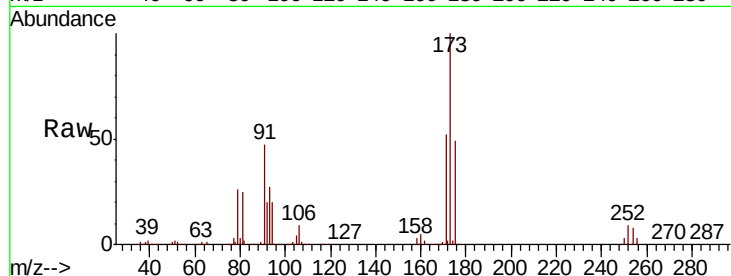
Tot Ion:173 Resp: 1205752

Ion Ratio Lower Upper

173 100

175 51.9 41.0 61.6

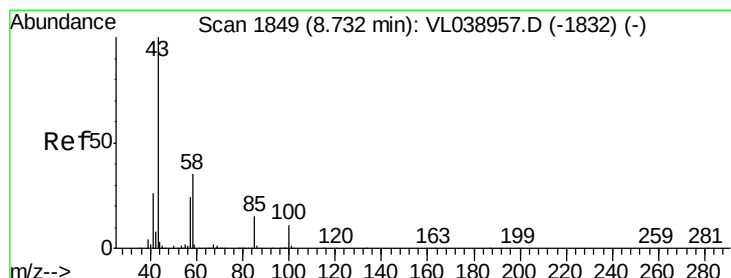
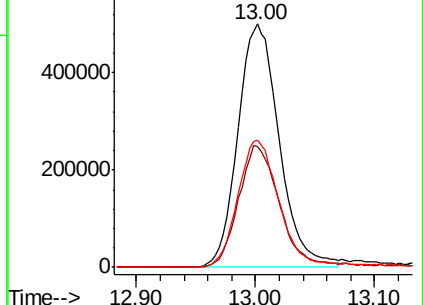
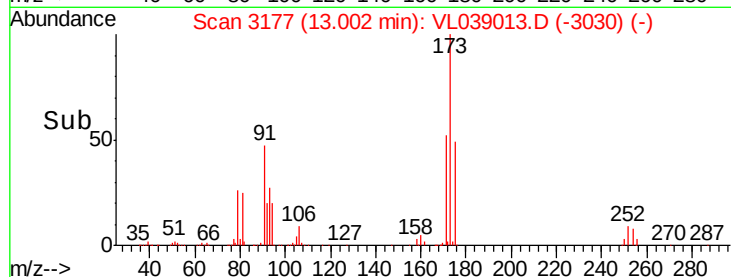
171 53.5 42.6 64.0



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: 9.789 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.03 min

Lab File: VL039013.D

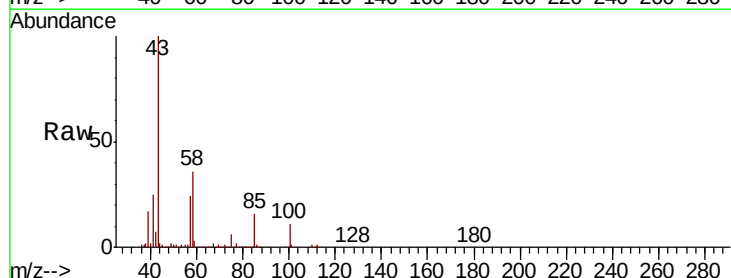
Acq: 10 May 2022 9:54

Tgt Ion: 43 Resp: 2501202

Ion Ratio Lower Upper

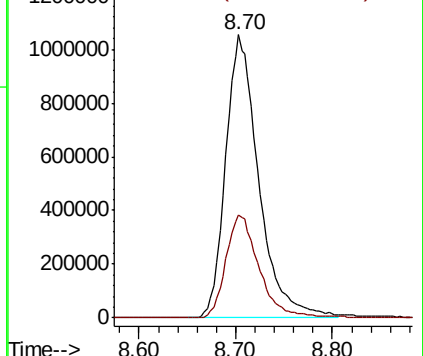
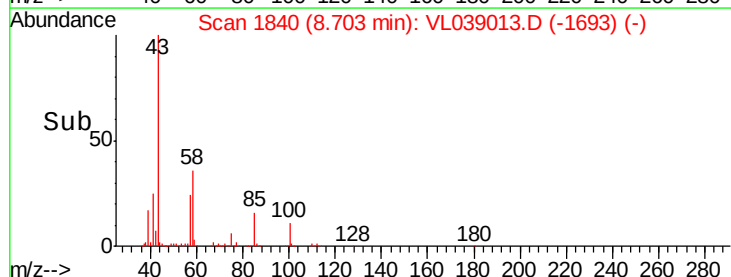
43 100

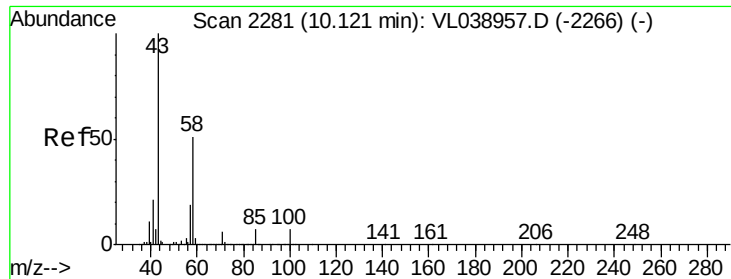
58 36.9 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

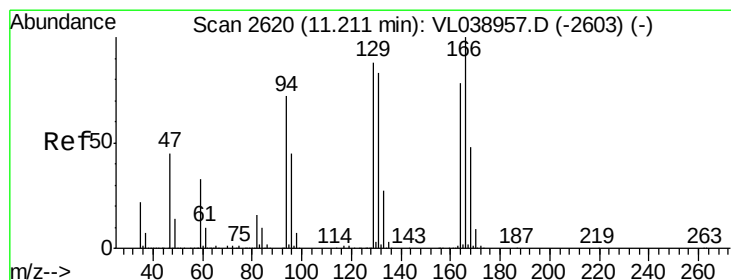
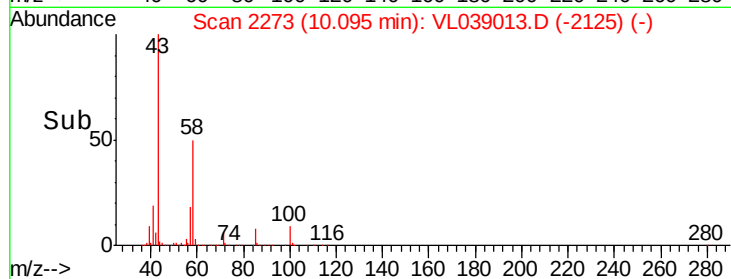
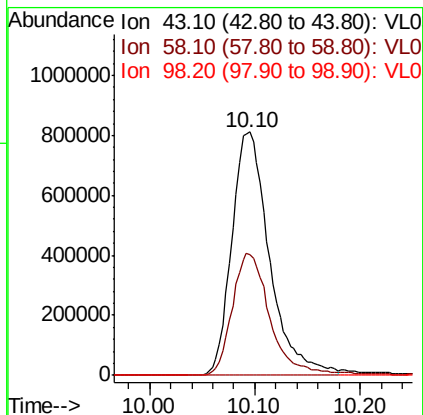
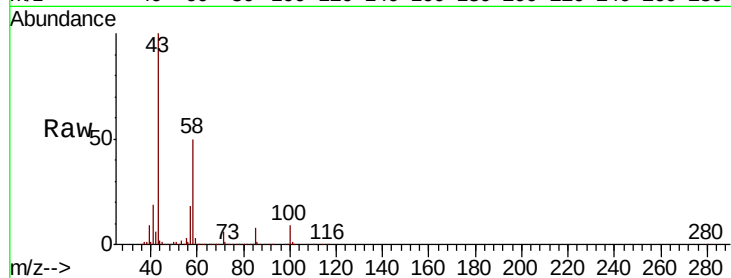
Ion 58.10 (57.80 to 58.80): VL0





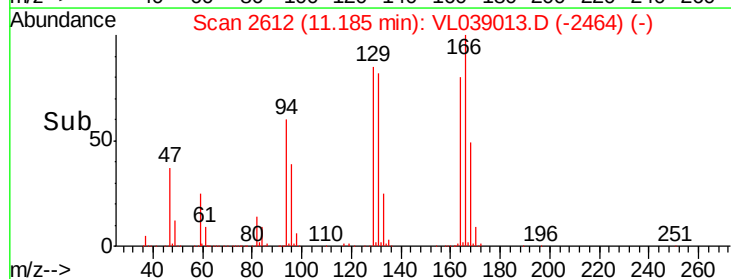
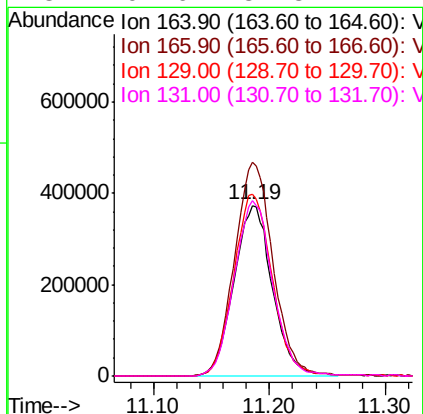
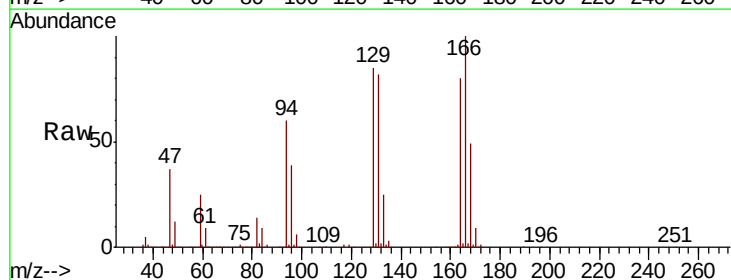
#51
2-Hexanone
Concen: 10.806 ppbv
RT: 10.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0509ABS01
Acq: 10 May 2022 9:54

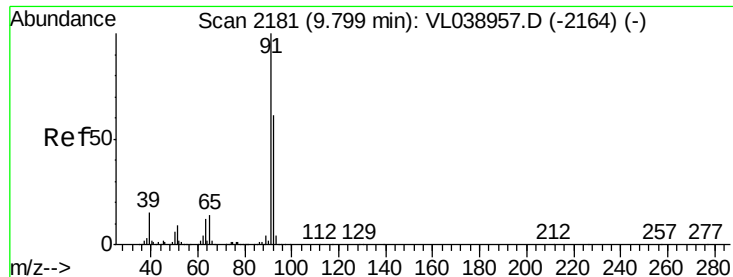
Tot Ion: 43 Resp: 2015101
Ion Ratio Lower Upper
43 100
58 51.0 39.3 58.9
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.790 ppbv
RT: 11.19 min Scan# 2612
Delta R.T.: -0.03 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

Tgt Ion: 164 Resp: 855144
Ion Ratio Lower Upper
164 100
166 125.2 102.5 153.7
129 106.3 90.1 135.1
131 102.6 84.8 127.2





#53

Toluene

Concen: 10.336 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

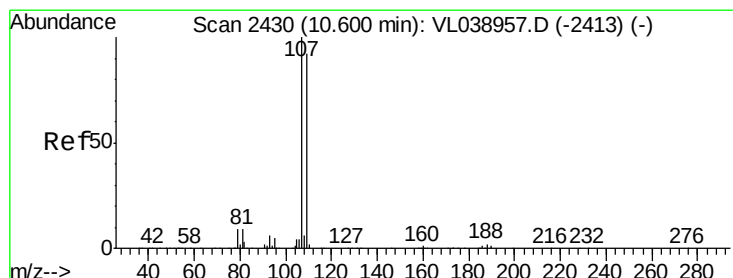
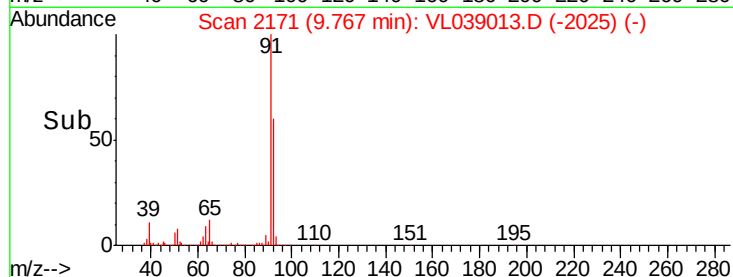
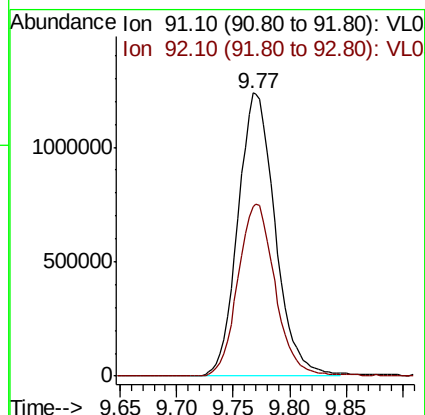
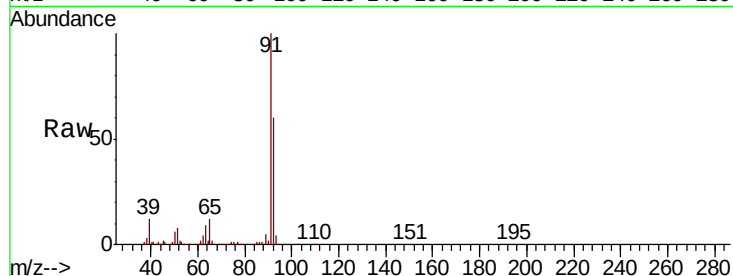
Acq: 10 May 2022 9:54

Tot Ion: 91 Resp: 2831671

Ion Ratio Lower Upper

91 100

92 61.3 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.073 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.03 min

Lab File: VL039013.D

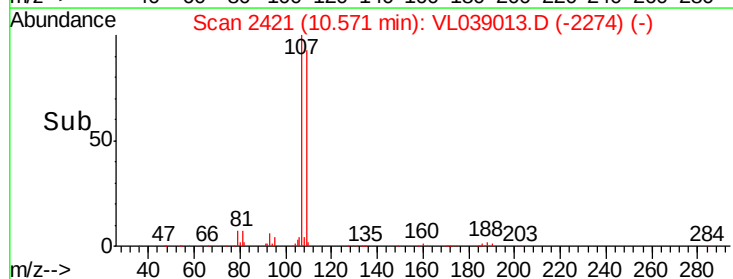
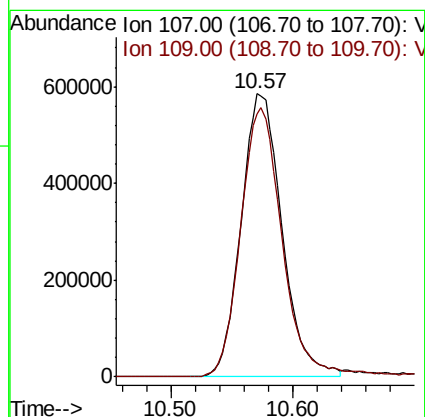
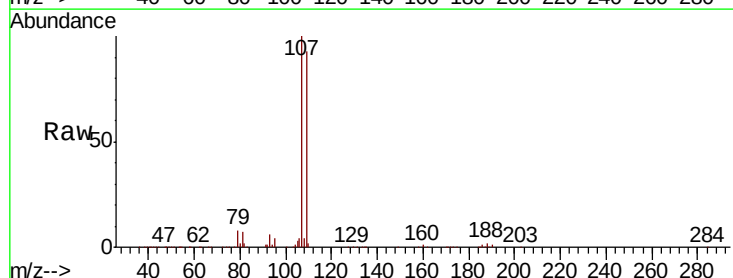
Acq: 10 May 2022 9:54

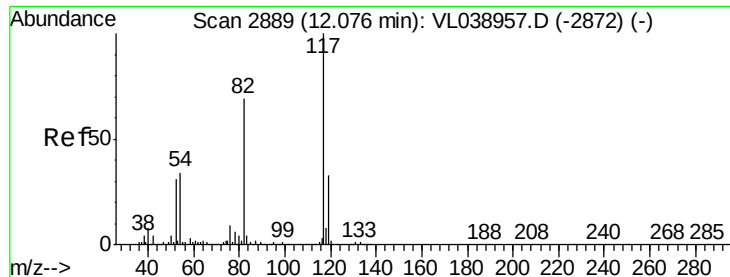
Tgt Ion: 107 Resp: 1356446

Ion Ratio Lower Upper

107 100

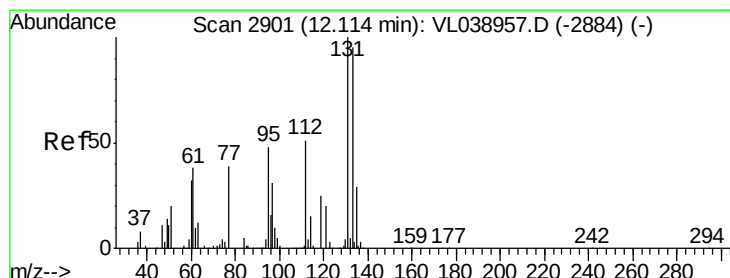
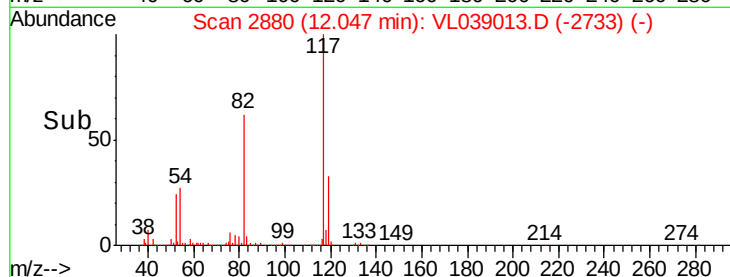
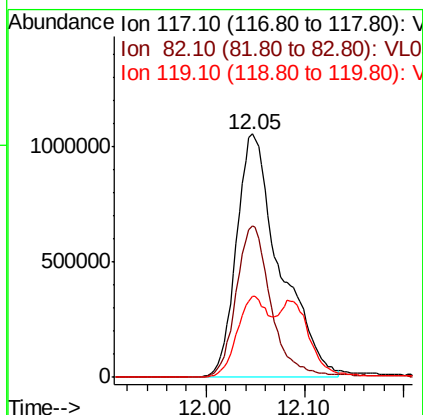
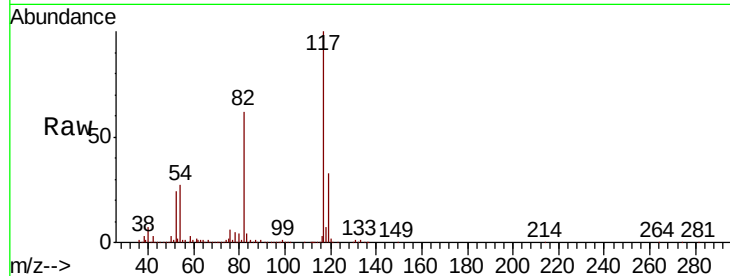
109 93.1 73.8 110.8





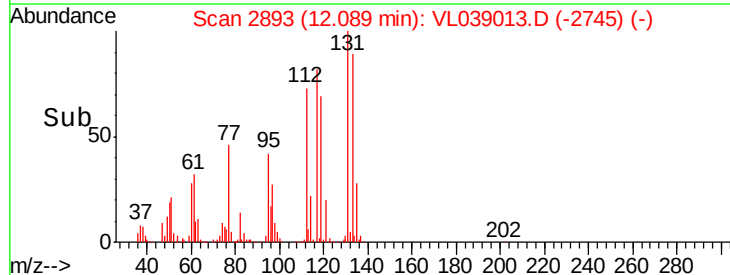
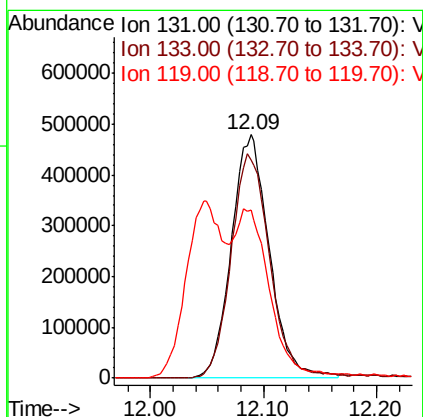
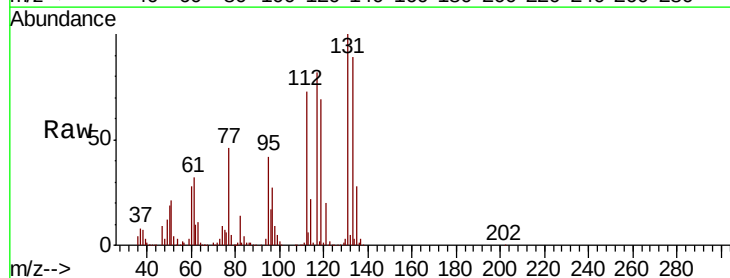
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0509ABS01
Acq: 10 May 2022 9:54

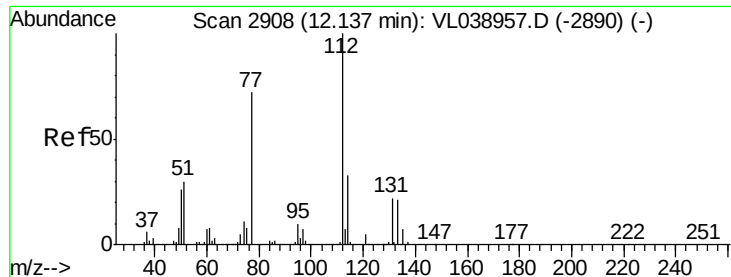
Tot Ion:117 Resp: 3230317
Ion Ratio Lower Upper
117 100
82 51.8 57.0 85.6#
119 25.0 27.2 40.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.863 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

Tgt Ion:131 Resp: 1114407
Ion Ratio Lower Upper
131 100
133 96.4 76.9 115.3
119 65.6 47.4 71.0

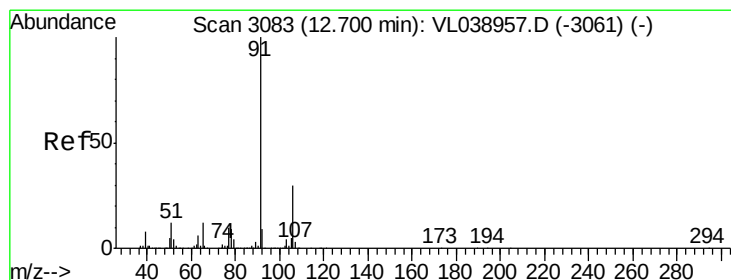
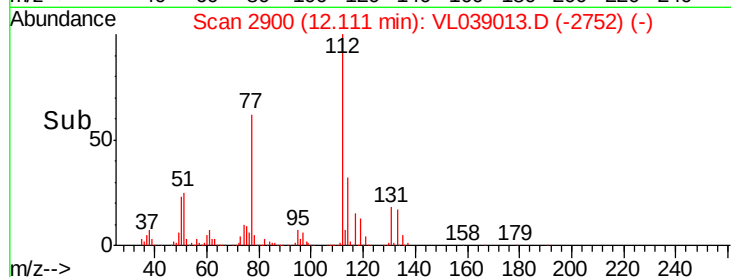
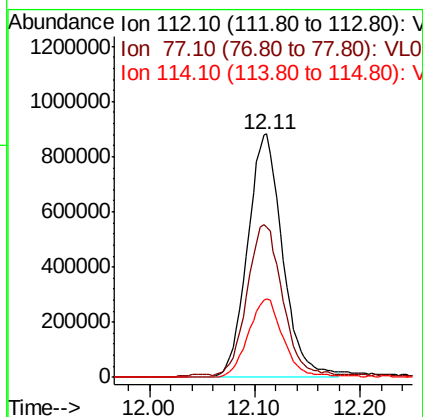
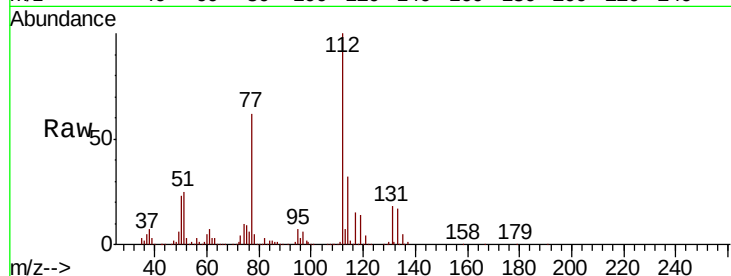




#57
Chlorobenzene
Concen: 8.436 ppbv
RT: 12.11 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0509ABS01
Acq: 10 May 2022 9:54

Tot Ion: 112 Resp: 2042823

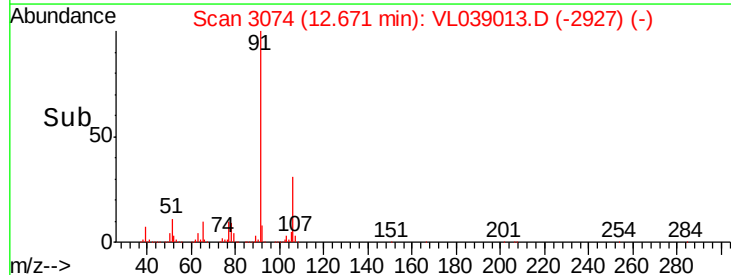
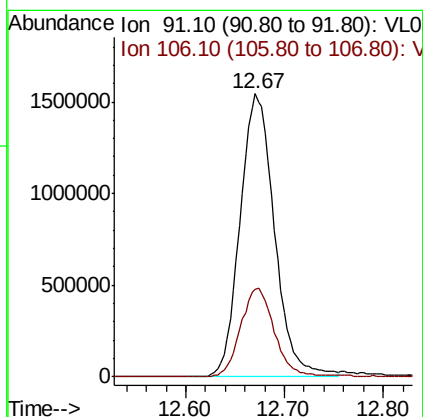
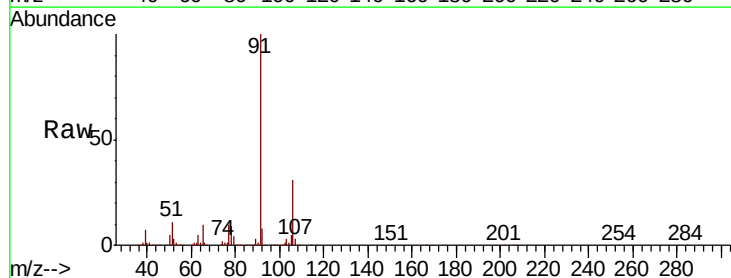
Ion	Ratio	Lower	Upper
112	100		
77	60.9	57.7	86.5
114	32.2	30.1	36.7

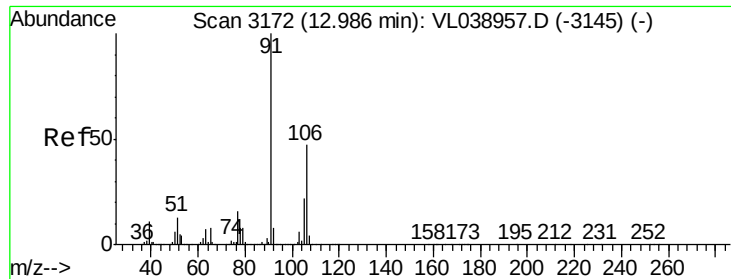


#58
Ethyl Benzene
Concen: 8.031 ppbv
RT: 12.67 min Scan# 3074
Delta R.T. -0.03 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

Tgt Ion: 91 Resp: 3733558

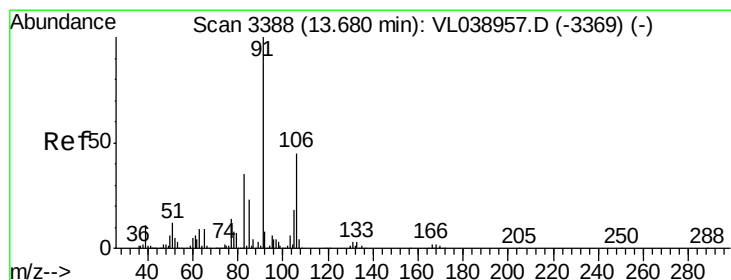
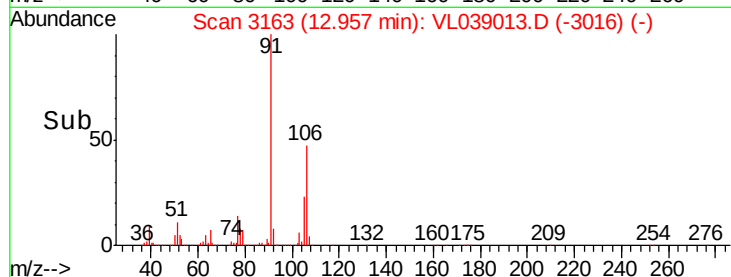
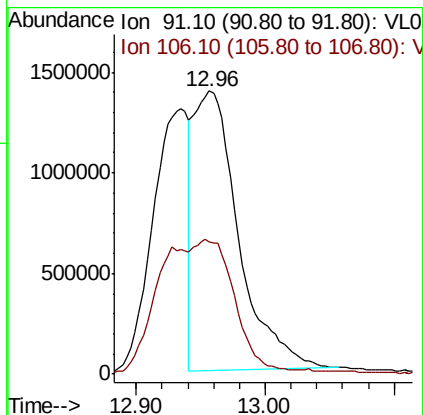
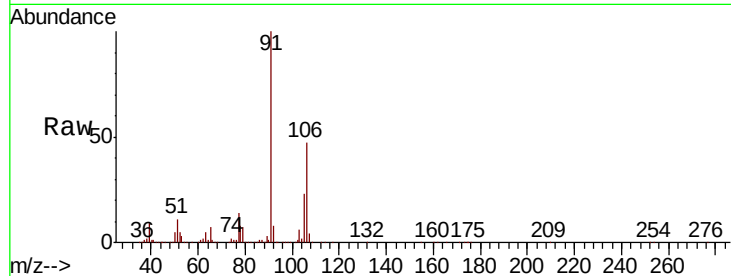
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.2	36.4





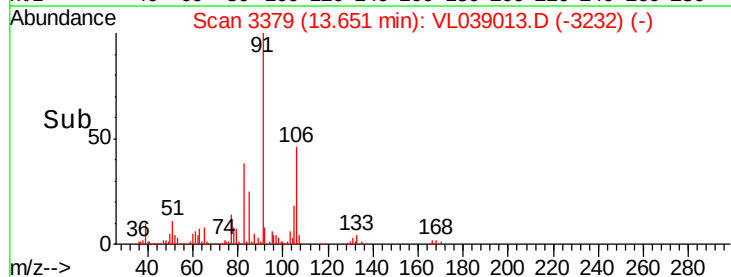
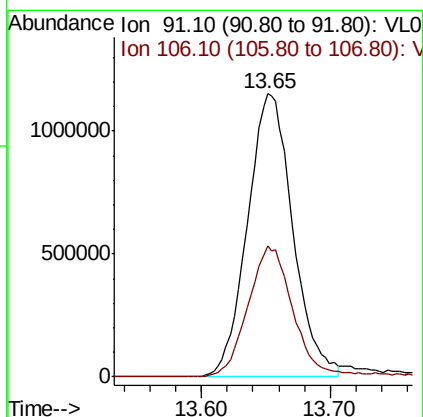
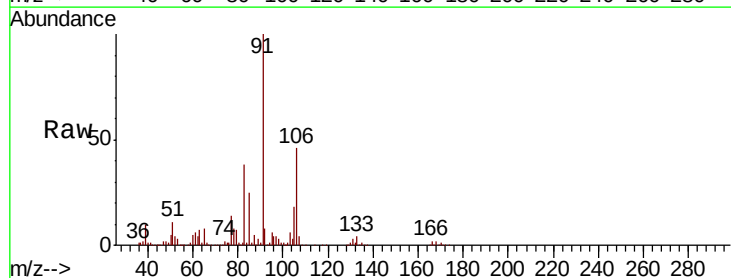
#59
m/p-Xylene
Concen: 8.465 ppbv
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0509ABS01
Acq: 10 May 2022 9:54

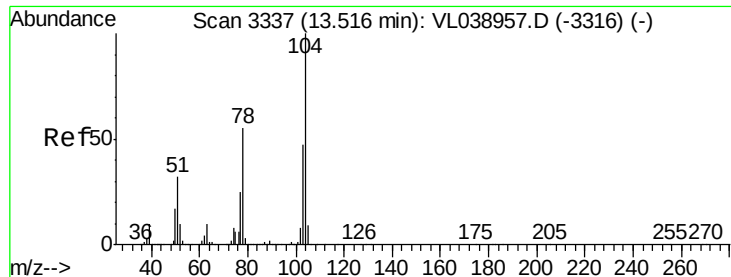
Tot Ion: 91 Resp: 3359297
Ion Ratio Lower Upper
91 100
106 83.5 34.6 52.0#



#60
o-Xylene
Concen: 7.536 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.03 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

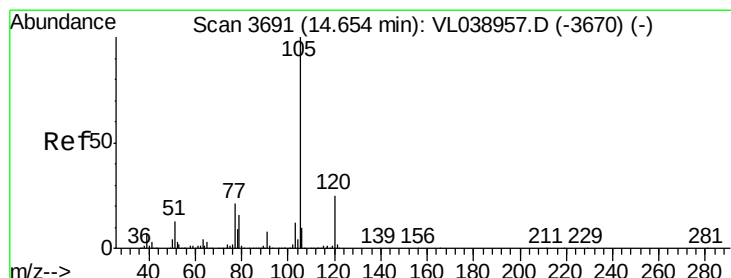
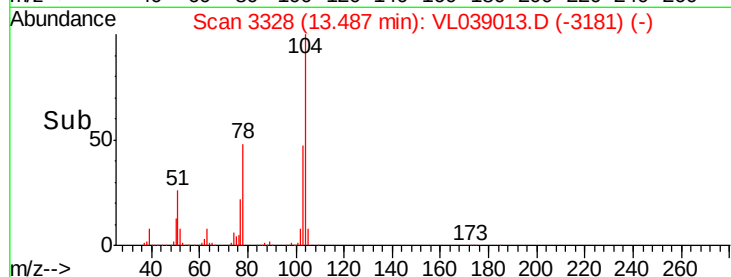
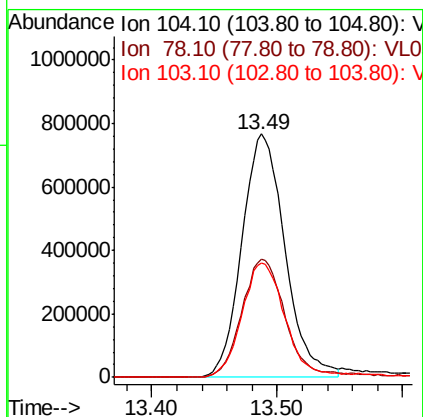
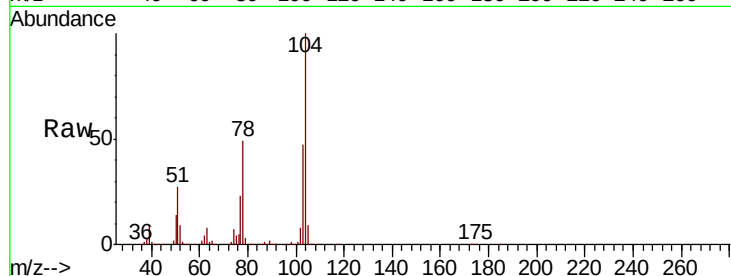
Tgt Ion: 91 Resp: 2814808
Ion Ratio Lower Upper
91 100
106 47.1 22.2 66.6





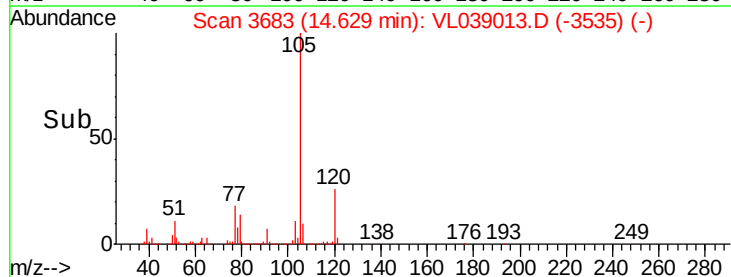
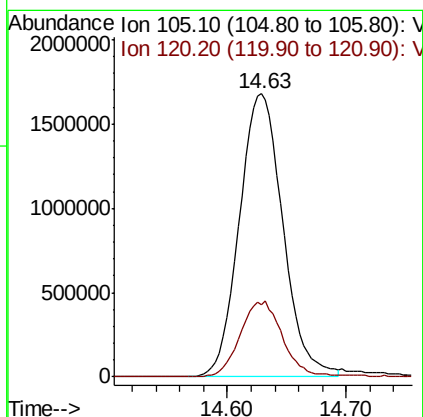
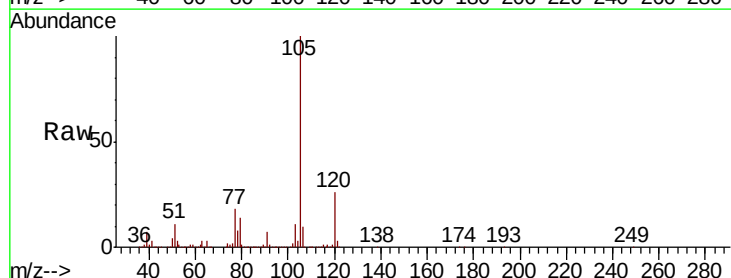
#61
Stvrene
Concen: 9.175 ppbv
RT: 13.49
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0509ABS01
Acq: 10 May 2022 9:54

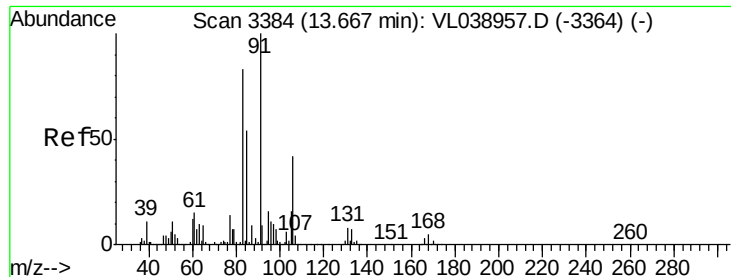
Tot Ion:104 Resp: 1829590
Ion Ratio Lower Upper
104 100
78 50.1 46.4 69.6
103 48.3 39.3 58.9



#62
Isopropylbenzene
Concen: 7.789 ppbv
RT: 14.63 min Scan# 3683
Delta R.T. -0.03 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

Tgt Ion:105 Resp: 4254555
Ion Ratio Lower Upper
105 100
120 26.6 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 7.370 ppbv

RT: 13.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 9:54

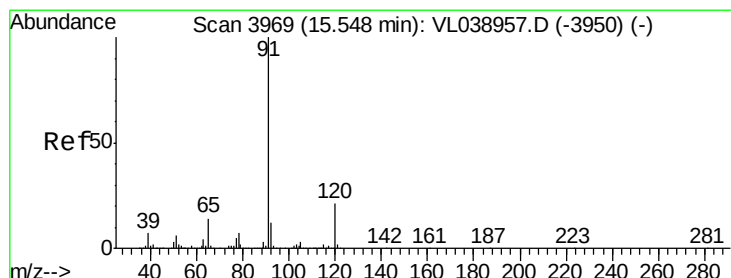
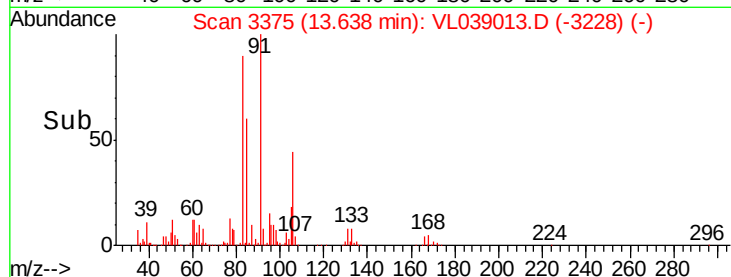
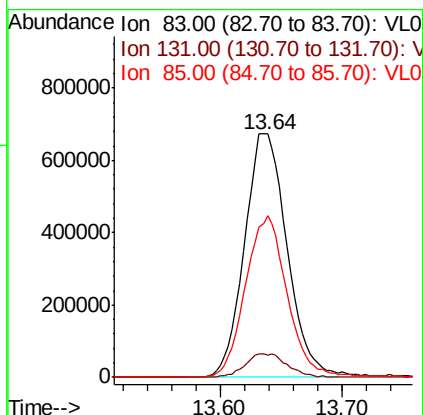
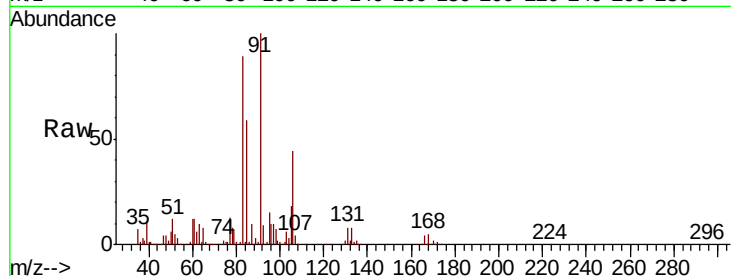
Tot Ion: 83 Resp: 1620978

Ion Ratio Lower Upper

83 100

131 9.7 4.5 13.7

85 65.8 32.8 98.3



#64

n-propylbenzene

Concen: 8.461 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. -0.03 min

Lab File: VL039013.D

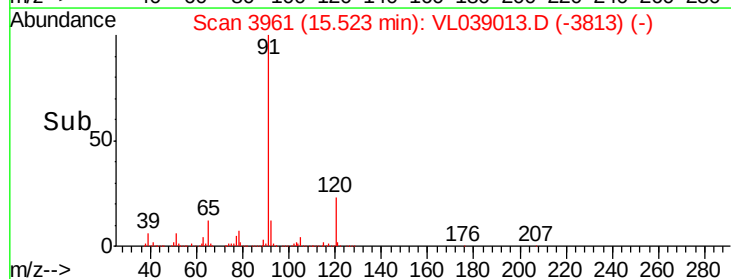
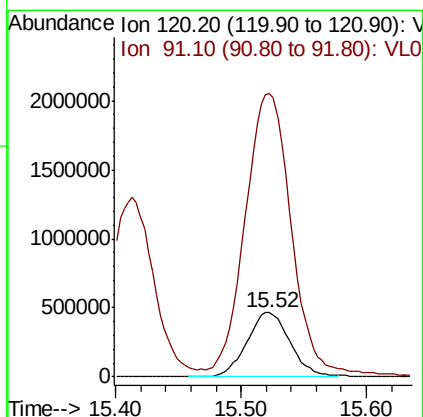
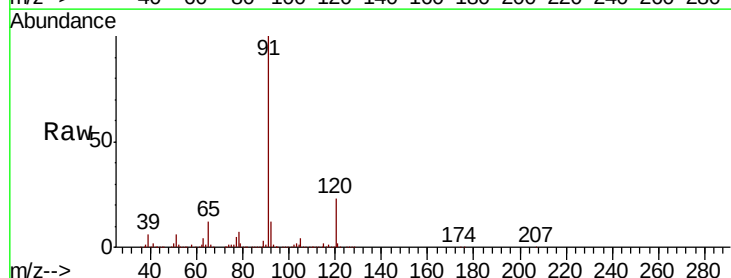
Acq: 10 May 2022 9:54

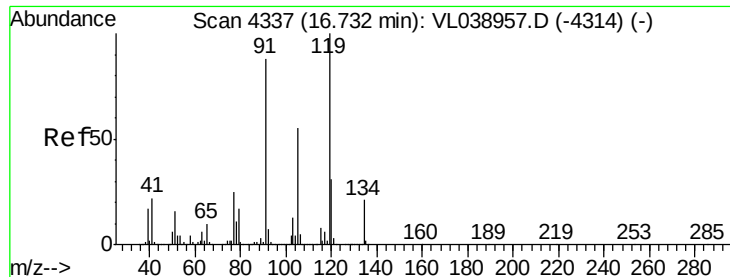
Tgt Ion:120 Resp: 1117352

Ion Ratio Lower Upper

120 100

91 476.8 400.6 601.0





#65

tert-Butylbenzene

Concen: 7.715 ppbv

RT: 16.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 9:54

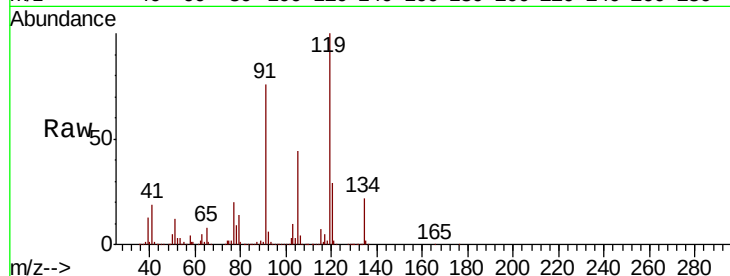
Tot Ion: 119 Resp: 3692381

Ion Ratio Lower Upper

119 100

91 78.4 69.4 104.2

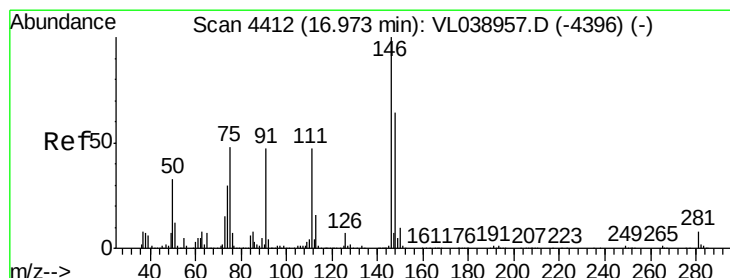
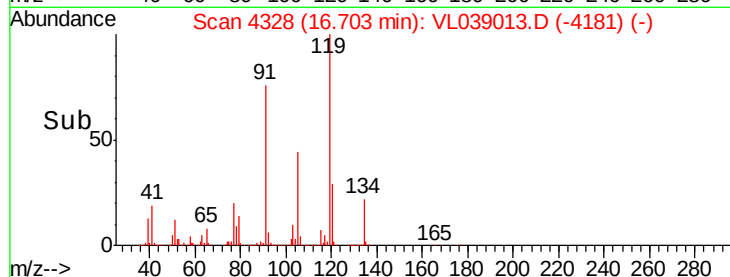
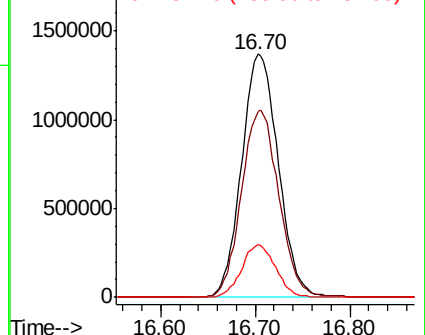
134 20.2 15.8 23.8



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: 10.517 ppbv

RT: 16.95 min Scan# 4404

Delta R.T. -0.03 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

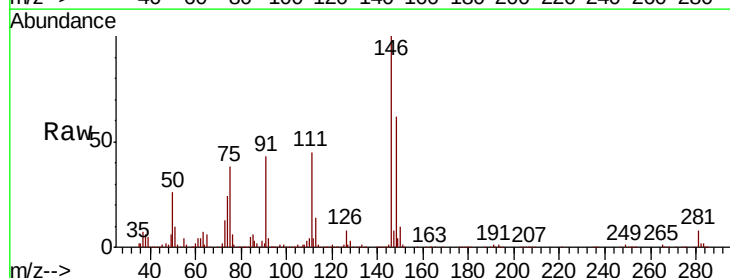
Tgt Ion: 91 Resp: 657953

Ion Ratio Lower Upper

91 100

126 17.1 11.8 17.6

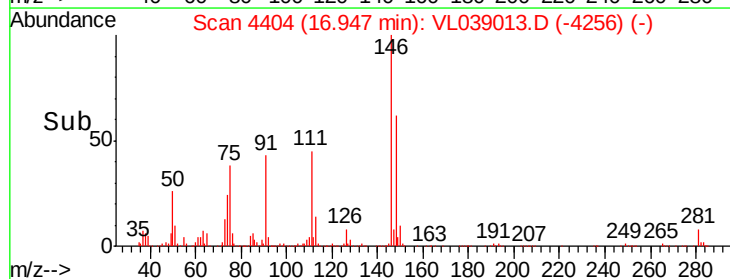
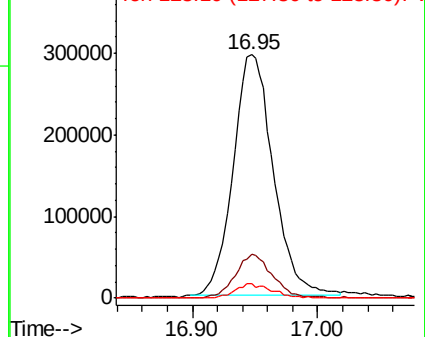
128 5.6 4.2 6.2

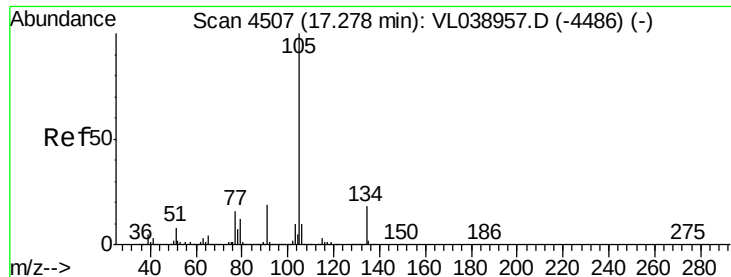


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.713 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

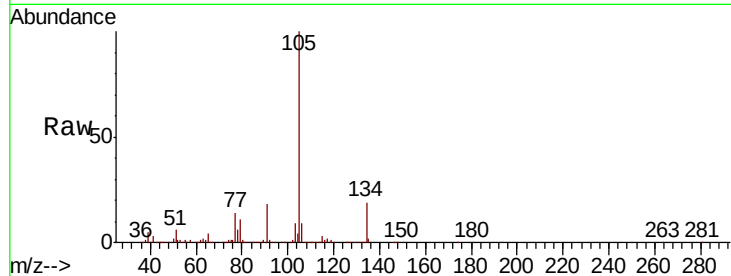
Acq: 10 May 2022 9:54

Tot Ion: 105 Resp: 5274098

Ion Ratio Lower Upper

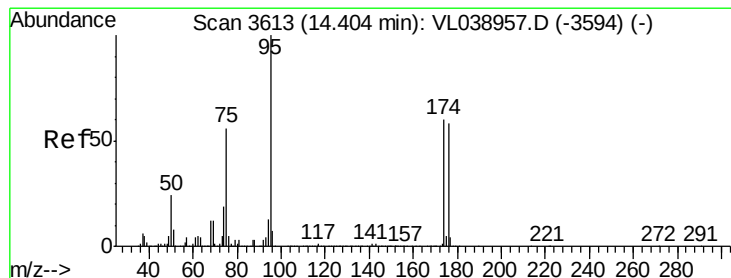
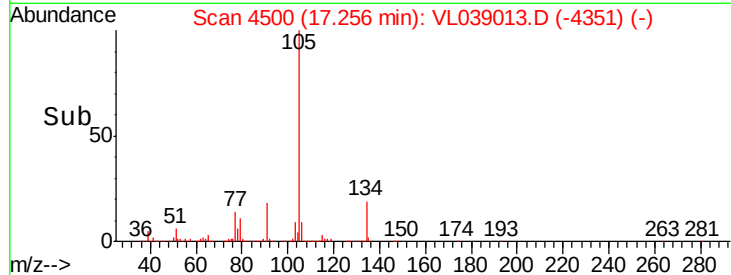
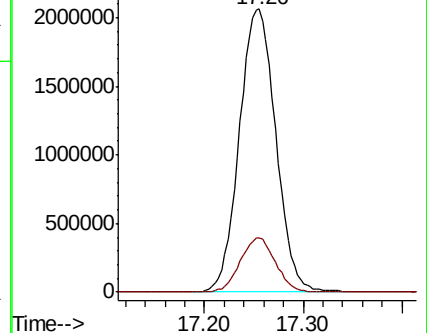
105 100

134 18.6 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.305 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.03 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

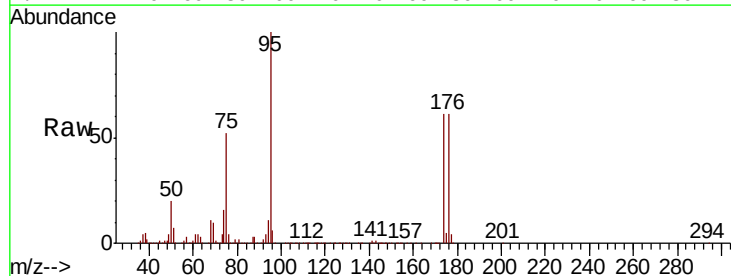
Tgt Ion: 95 Resp: 1868852

Ion Ratio Lower Upper

95 100

174 67.0 50.8 76.2

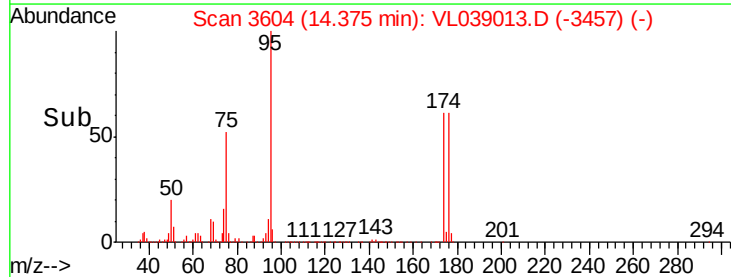
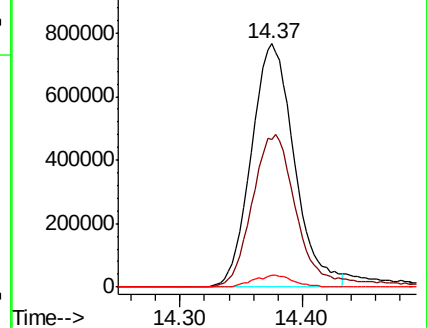
175 4.9 3.8 5.6

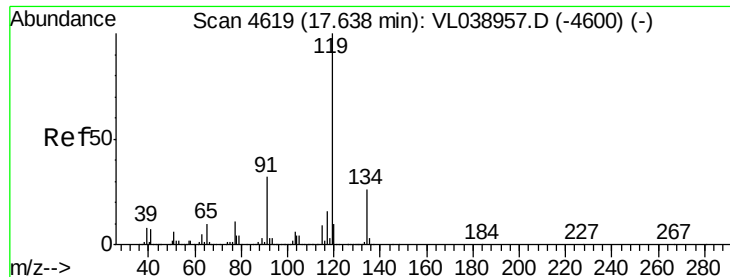


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

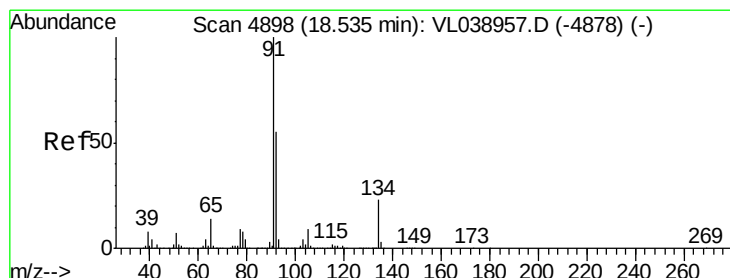
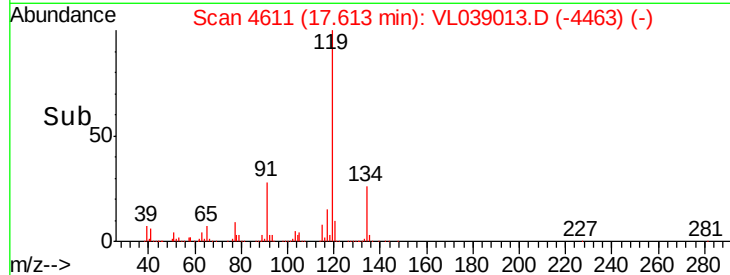
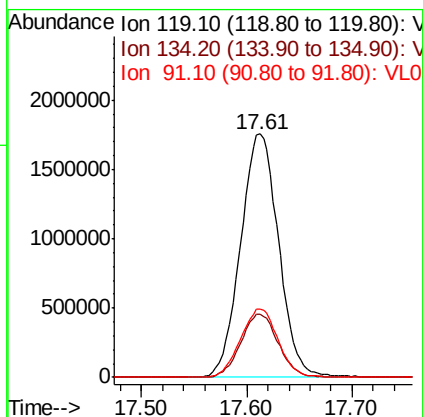
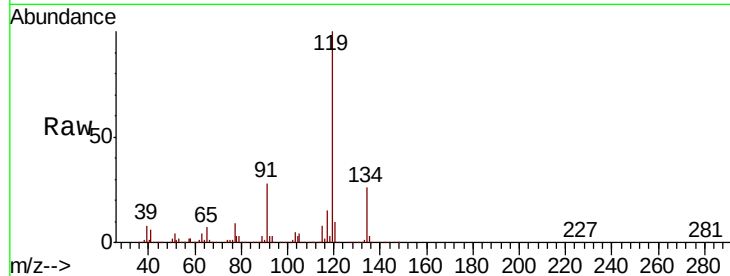
Ion 175.00 (174.70 to 175.70): V





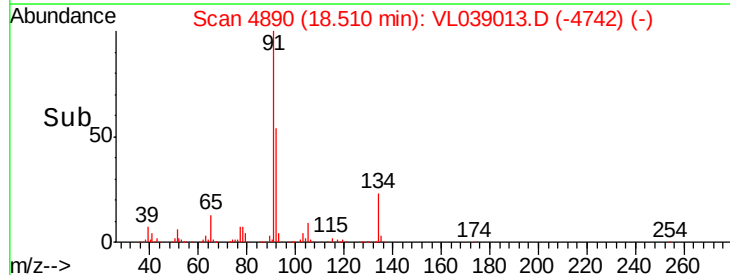
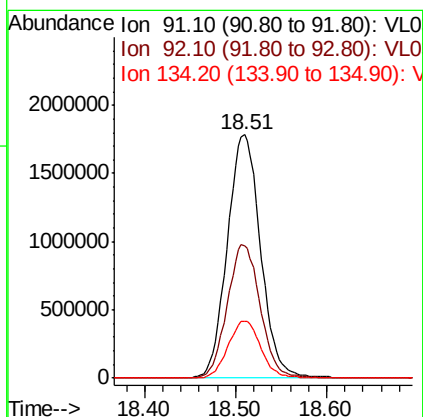
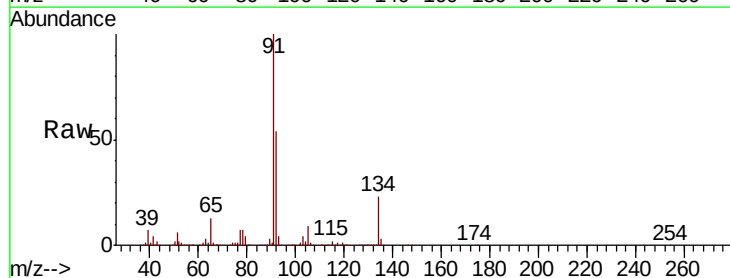
#69
 p-Isopropyltoluene
 Concen: 7.952 ppbv
 RT: 17.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 10 May 2022 9:54

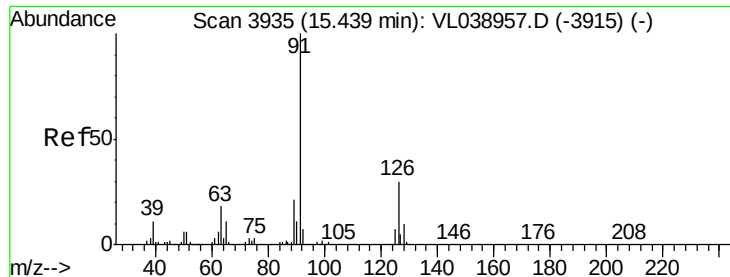
Tot Ion: 119 Resp: 4392565
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.0 30.0
 91 27.8 24.8 37.2



#70
 n-Butylbenzene
 Concen: 7.689 ppbv
 RT: 18.51 min Scan# 4890
 Delta R.T. -0.03 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

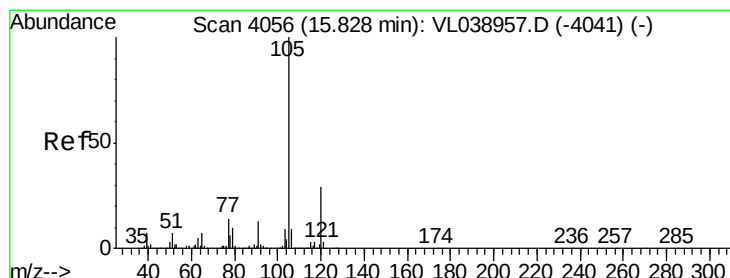
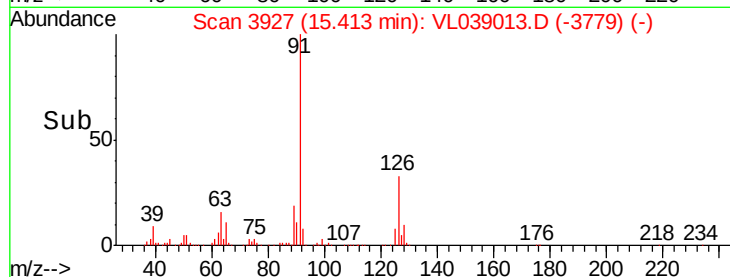
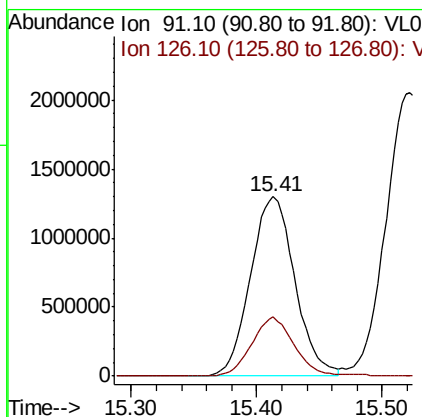
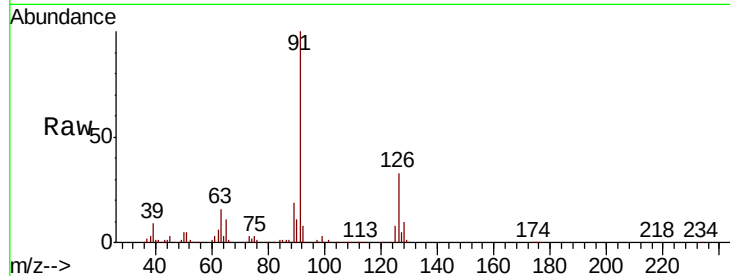
Tgt Ion: 91 Resp: 4512783
 Ion Ratio Lower Upper
 91 100
 92 54.7 43.1 64.7
 134 23.2 17.0 25.4





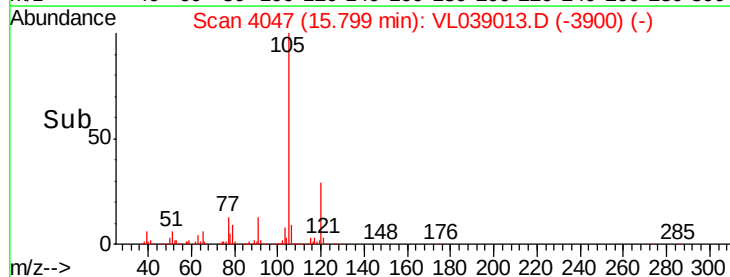
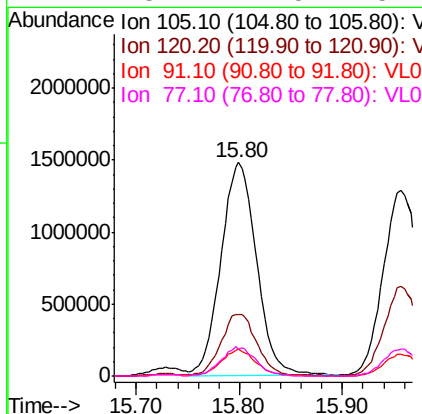
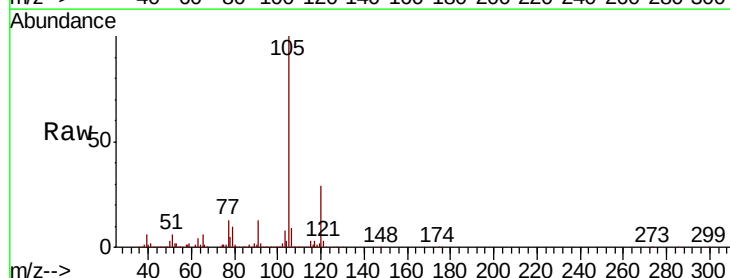
#71
 2-Chlorotoluene
 Concen: 7.583 ppbv
 RT: 15.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 10 May 2022 9:54

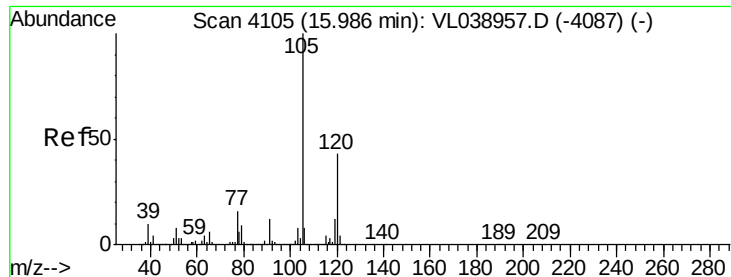
Tot Ion: 91 Resp: 3193079
 Ion Ratio Lower Upper
 91 100
 126 32.3 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 8.378 ppbv
 RT: 15.80 min Scan# 4047
 Delta R.T. -0.03 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

Tgt Ion:105 Resp: 3565992
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.4 35.0
 91 11.7 10.6 16.0
 77 13.2 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 8.142 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

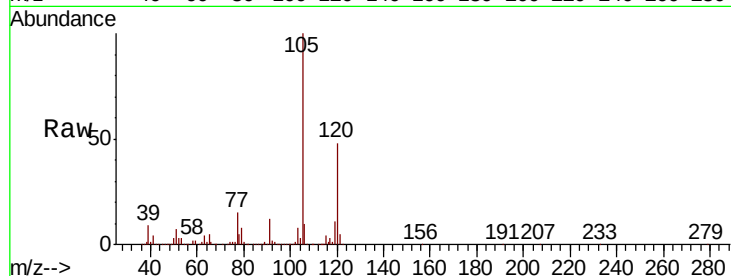
Acq: 10 May 2022 9:54

Tot Ion:105 Resp: 3119804

Ion Ratio Lower Upper

105 100

120 48.4 34.4 51.6



Abundance Ion 105.10 (104.80 to 105.80): V

1500000 Ion 120.20 (119.90 to 120.90): V

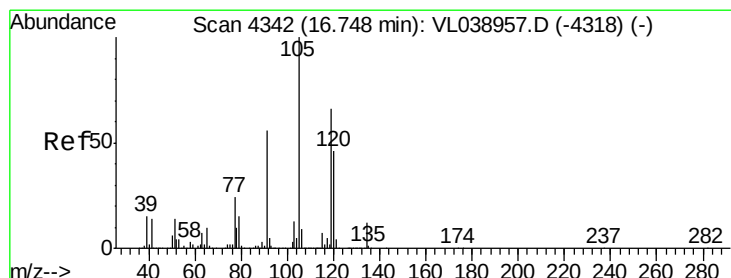
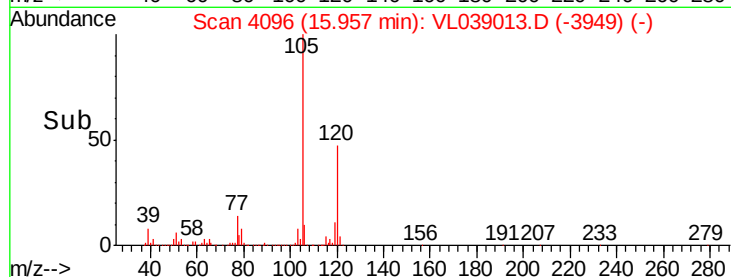
15.96

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.768 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.02 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

Tgt Ion:105 Resp: 3259383

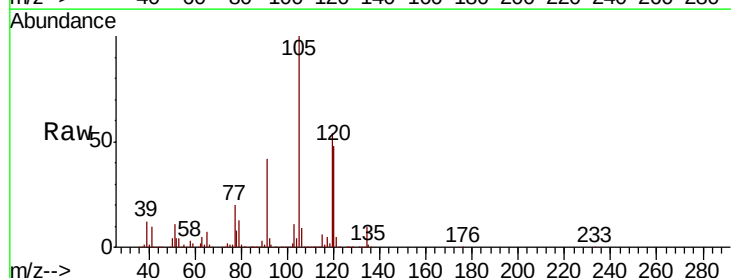
Ion Ratio Lower Upper

105 100

120 47.8 36.9 55.3

91 42.0 45.0 67.4#

77 19.7 19.2 28.8



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

16.73

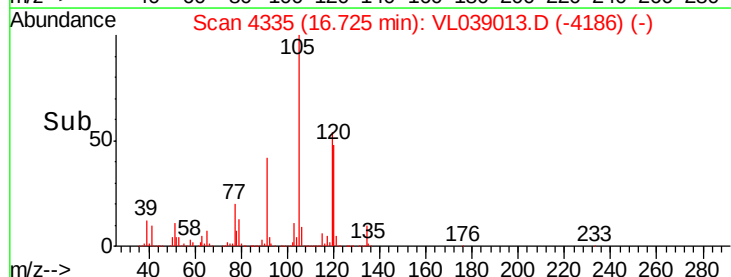
1500000

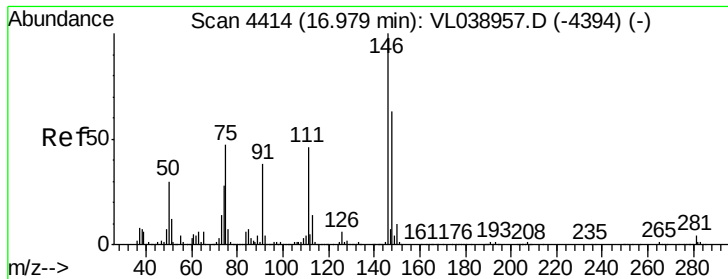
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.195 ppbv

RT: 16.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 9:54

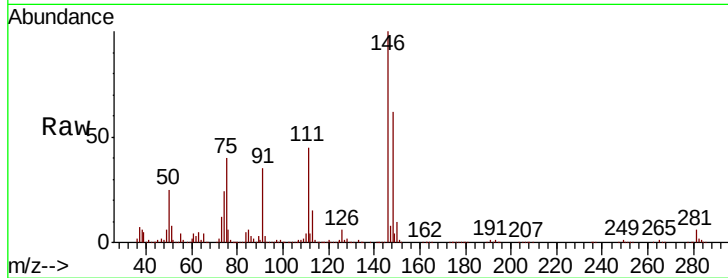
Tot Ion:146 Resp: 1883953

Ion Ratio Lower Upper

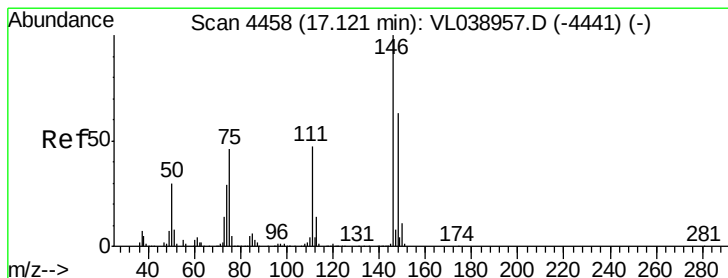
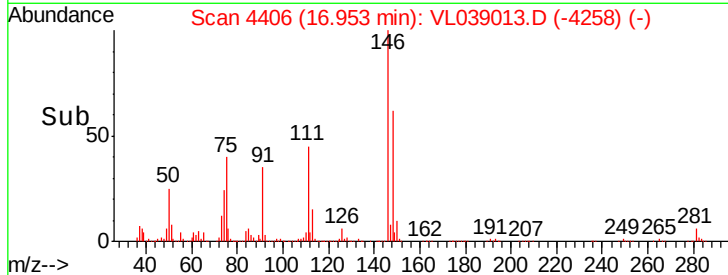
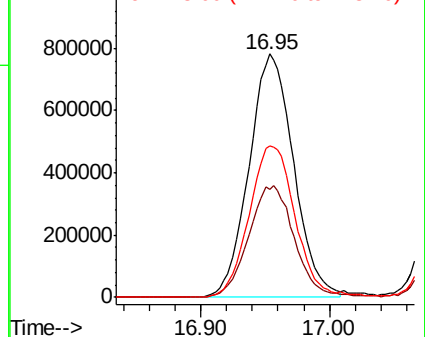
146 100

111 46.8 24.1 72.2

148 64.5 32.4 97.2



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



#76

1,4-Dichlorobenzene

Concen: 8.335 ppbv

RT: 17.09 min Scan# 4450

Delta R.T. -0.03 min

Lab File: VL039013.D

Acq: 10 May 2022 9:54

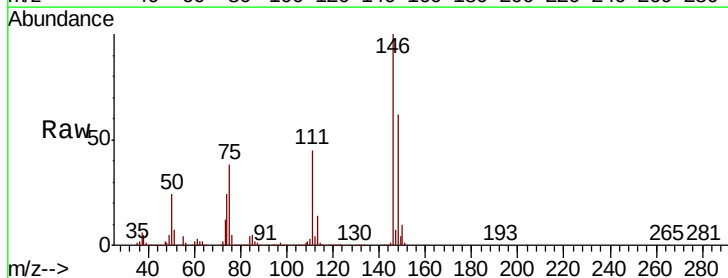
Tgt Ion:146 Resp: 1884887

Ion Ratio Lower Upper

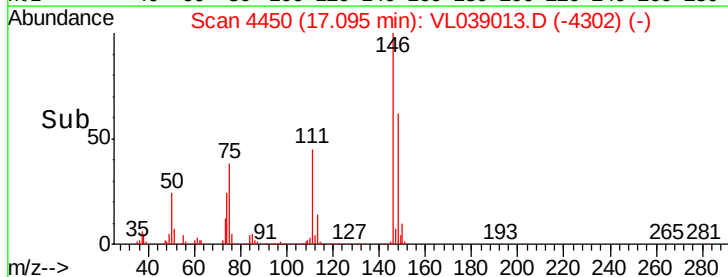
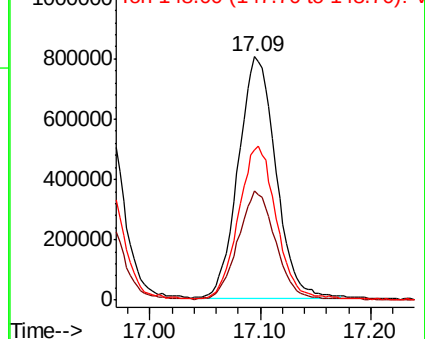
146 100

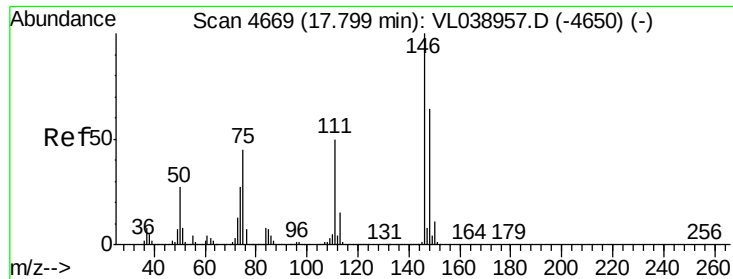
111 45.6 23.6 71.0

148 64.9 32.2 96.6



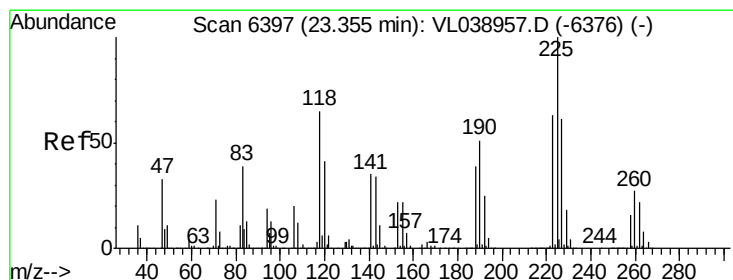
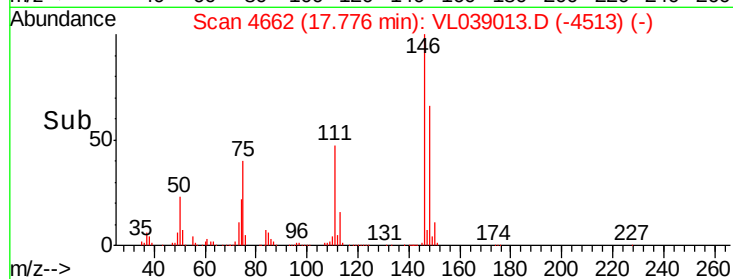
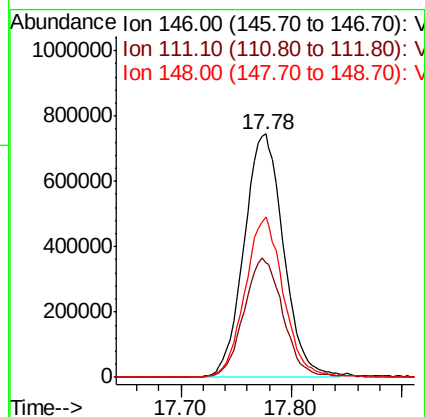
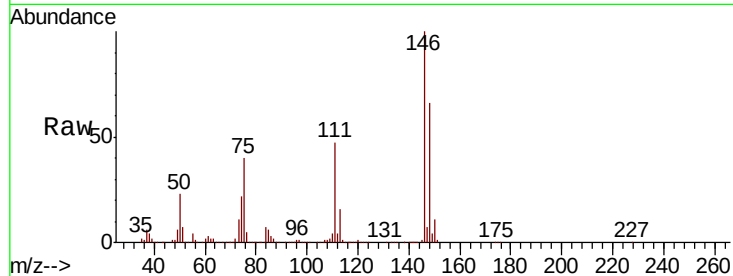
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





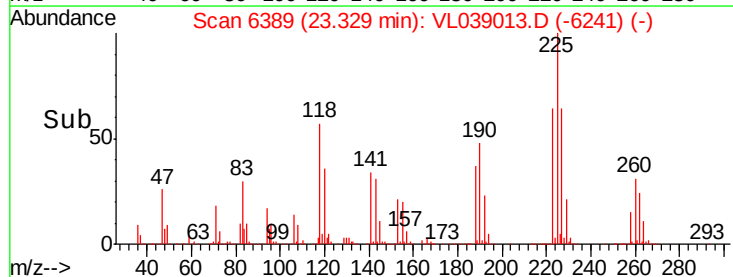
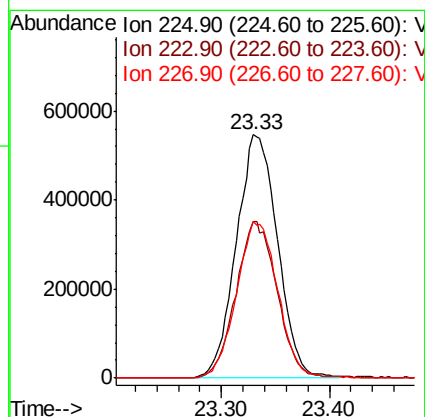
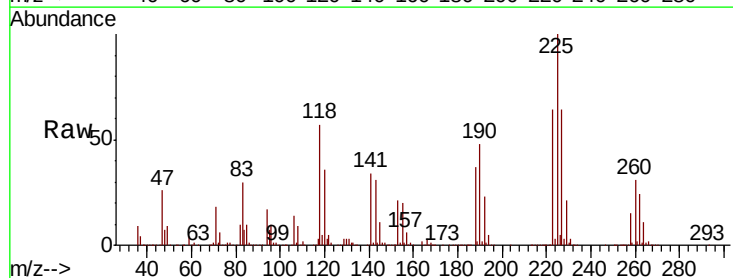
#77
 1,2-Dichlorobenzene
 Concen: 8.112 ppbv
 RT: 17.78 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 10 May 2022 9:54

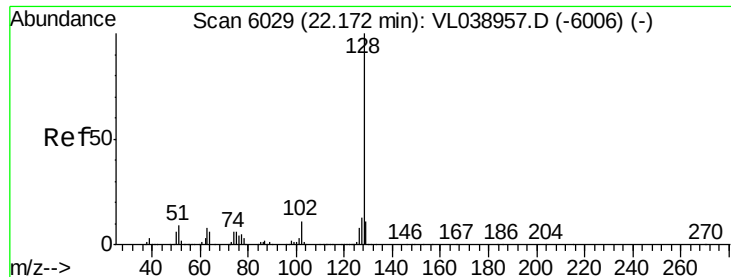
Tot Ion:146 Resp: 1844430
 Ion Ratio Lower Upper
 146 100
 111 48.6 25.3 75.9
 148 64.3 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.957 ppbv
 RT: 23.33 min Scan# 6389
 Delta R.T. -0.03 min
 Lab File: VL039013.D
 Acq: 10 May 2022 9:54

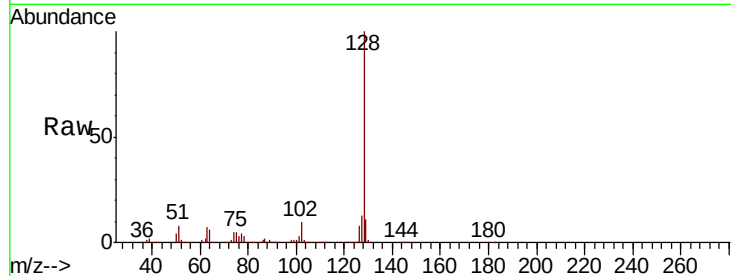
Tgt Ion:225 Resp: 1453728
 Ion Ratio Lower Upper
 225 100
 223 64.5 51.4 77.0
 227 64.6 51.4 77.0



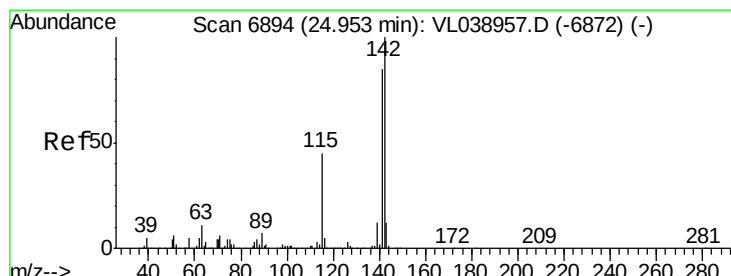
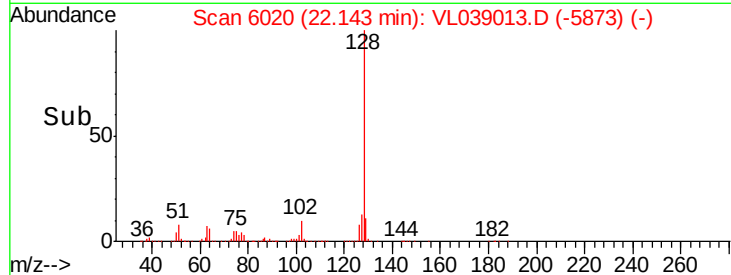
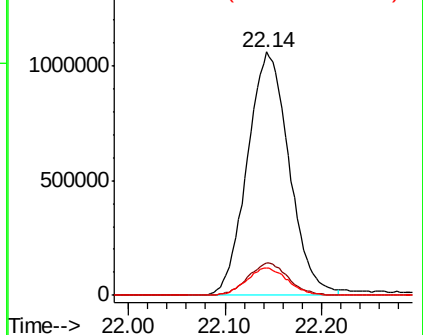


#79
Naphthalene
Concen: 9.360 ppbv
RT: 22.14 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL0509ABS01
Acq: 10 May 2022 9:54

Tot Ion:128 Resp: 3189894
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 11.0 8.9 13.3

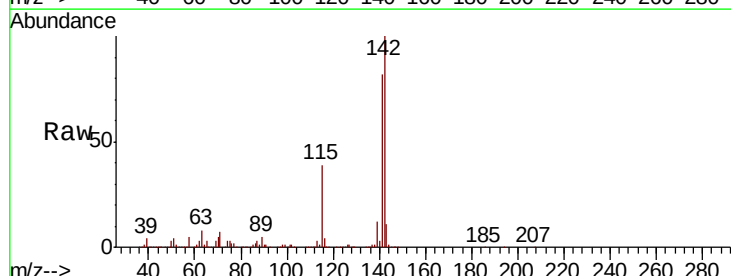


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

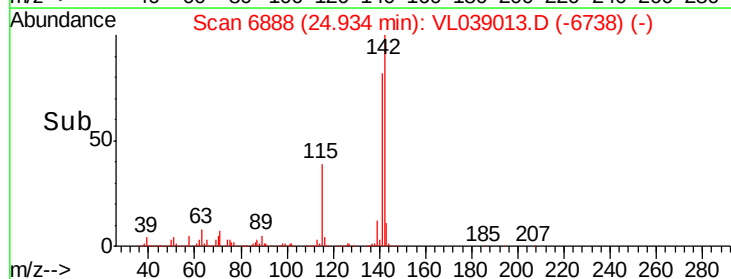
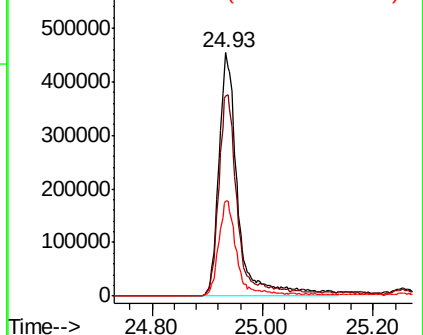


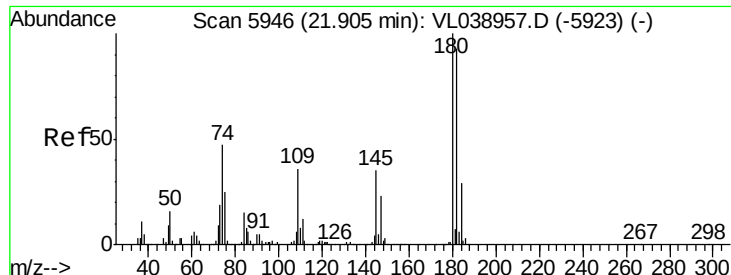
#80
Naphthalene, 2-methyl-
Concen: 10.559 ppbv
RT: 24.93 min Scan# 6888
Delta R.T. -0.02 min
Lab File: VL039013.D
Acq: 10 May 2022 9:54

Tgt Ion:142 Resp: 1088669
Ion Ratio Lower Upper
142 100
141 83.9 70.8 106.2
115 37.9 35.1 52.7



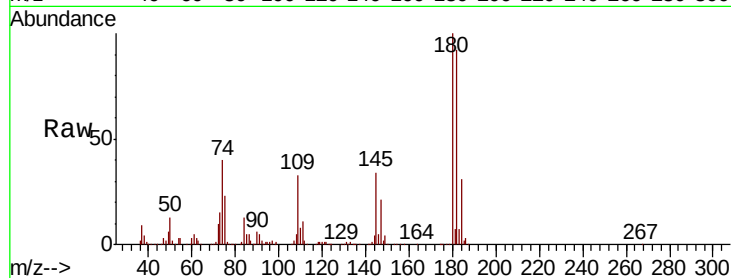
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.280 ppbv
 RT: 21.88
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 10 May 2022 9:34

Tot Ion:	180	Resp:	1653533
Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.4	117.6
184	30.4	24.4	36.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

