

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
 Data File : VL039079.D
 Acq On : 17 May 2022 21:38
 Operator : SY/AP
 Sample : N2854-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1161-8.01-SG-5

Quant Time: May 18 01:52:47 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	5.67	49	837662	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1941893	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1674530	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1415292	10.67	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	39956	0.304 ppbv	95
3) Chlorodifluoromethane	3.00	51	84250	0.811 ppbv #	89
4) Chloromethane	3.15	50	28780	0.553 ppbv	89
5) Vinyl Chloride	3.07	62	93	0.002 ppbv #	8
6) Bromomethane	3.49	94	121	0.005 ppbv #	1
7) Chloroethane	3.56	64	113	0.007 ppbv #	45
8) Dichlorotetrafluoroethane	3.20	85	1503	0.013 ppbv #	16
9) Propene	3.03	41	42581	0.938 ppbv	86
10) Heptane	8.12	43	99047	0.889 ppbv	89
11) Trichlorofluoromethane	3.96	101	30266	0.269 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	4756	0.061 ppbv #	51
13) Ethanol	3.60	45	856607	266.661 ppbv	92
14) Bromoethene	3.95	108	86	0.003 ppbv #	1
15) Acetone	3.85	43	1258049	15.921 ppbv #	86
16) 1,3-Butadiene	3.33	39	4452	0.098 ppbv #	9
17) tert-Butyl alcohol	4.28	59	672	0.011 ppbv #	70
18) 1,1-Dichloroethene	4.29	96	57	0.002 ppbv #	1
19) Isopropyl Alcohol	3.97	45	704460	18.751 ppbv #	95
20) Methylene Chloride	4.35	84	53045	1.781 ppbv	95
21) Allyl Chloride	4.38	41	33950	0.631 ppbv #	31
22) trans-1,2-Dichloroethene	4.89	96	196	0.005 ppbv #	57
23) Vinyl Acetate	5.06	43	80704	1.291 ppbv #	1
24) 1,1-Dichloroethane	5.04	63	100	0.001 ppbv #	89
25) Ethyl Acetate	5.69	43	127647	0.675 ppbv #	87
26) Hexane	5.69	57	142707	1.698 ppbv #	45
27) Carbon Disulfide	4.56	76	265	0.003 ppbv #	1
28) Methyl tert-Butyl Ether	5.04	73	382	0.006 ppbv #	52
29) Chloroform	5.75	83	2556	0.019 ppbv	84
30) Cyclohexane	7.14	84	9469	0.135 ppbv #	1
31) cis-1,2-Dichloroethene	5.56	61	96	0.001 ppbv #	75
32) 1,1,1-Trichloroethane	6.52	97	279	0.002 ppbv #	1
34) 2-Butanone	5.25	43	249391	2.517 ppbv	97
35) Carbon Tetrachloride	7.02	117	5286	0.041 ppbv #	69
36) Benzene	6.90	78	176674	1.063 ppbv	97
37) 1,2-Dichloroethane	6.30	62	1673	0.016 ppbv #	83
38) Trichloroethene	7.83	130	1202	0.016 ppbv #	20
39) 1,2-Dichloropropane	7.23	63	6531	0.101 ppbv #	30
40) 1,4-Dioxane	7.85	88	633	0.027 ppbv #	1
41) Tetrahydrofuran	6.06	42	91684	1.377 ppbv	89
42) Bromodichloromethane	7.79	83	1004	0.007 ppbv #	17
43) Methyl Methacrylate	8.01	69	656	0.010 ppbv #	1

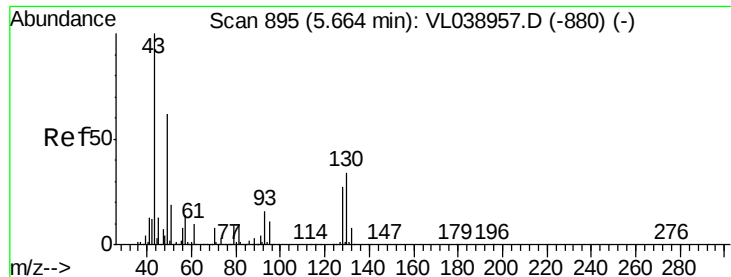
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
 Data File : VL039079.D
 Acq On : 17 May 2022 21:38
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Quant Time: May 18 01:52:47 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	375090	1.286	ppbv	# 91
45) t-1,3-Dichloropropene	9.37	75	33	0.001	ppbv	# 44
46) cis-1,3-Dichloropropene	8.60	75	91	0.001	ppbv	# 24
47) 1,1,2-Trichloroethane	9.48	97	98	0.001	ppbv	# 52
50) 4-Methyl-2-Pentanone	8.76	43	30063	0.173	ppbv	# 39
51) 2-Hexanone	10.13	43	1207	0.010	ppbv	# 28
52) Tetrachloroethene	11.22	164	255	0.004	ppbv	# 31
53) Toluene	9.81	91	2320382	12.458	ppbv	100
54) 1,2-Dibromoethane	10.76	107	148	0.002	ppbv	# 80
56) 1,1,1,2-Tetrachloroethane	12.27	131	218	0.003	ppbv	# 1
57) Chlorobenzene	12.15	112	230	0.002	ppbv	# 11
58) Ethyl Benzene	12.71	91	261185	1.084	ppbv	94
59) m/p-Xylene	12.97	91	1776313	8.634	ppbv	99
60) o-Xylene	13.69	91	618649	3.195	ppbv	98
61) Styrene	13.53	104	6220	0.060	ppbv	# 20
62) Isopropylbenzene	14.66	105	15198	0.054	ppbv	# 68
63) 1,1,2,2-Tetrachloroethane	13.65	83	167	0.001	ppbv	# 1
64) n-propylbenzene	15.55	120	13422	0.196	ppbv	# 1
65) tert-Butylbenzene	16.76	119	50348	0.203	ppbv	# 46
66) Benzyl Chloride	16.83	91	817	0.025	ppbv	# 91
67) sec-Butylbenzene	17.29	105	1529	0.004	ppbv	# 10
69) p-Isopropyltoluene	17.64	119	1348	0.005	ppbv	# 1
70) n-Butylbenzene	18.55	91	5971	0.020	ppbv	# 1
71) 2-Chlorotoluene	15.31	91	6656	0.030	ppbv	75
72) 4-Ethyltoluene	15.83	105	198728	0.901	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	68878	0.347	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	495296	2.277	ppbv	# 66
75) 1,3-Dichlorobenzene	16.98	146	51	0.000	ppbv	# 22
76) 1,4-Dichlorobenzene	17.13	146	428	0.004	ppbv	# 1
77) 1,2-Dichlorobenzene	17.81	146	101	0.001	ppbv	# 1
79) Naphthalene	22.18	128	10848	0.061	ppbv	# 91
80) Naphthalene,2-methyl-	24.99	142	3035	0.057	ppbv	# 44
81) 1,2,4-Trichlorobenzene	21.93	180	286	0.003	ppbv	# 47

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 21:38

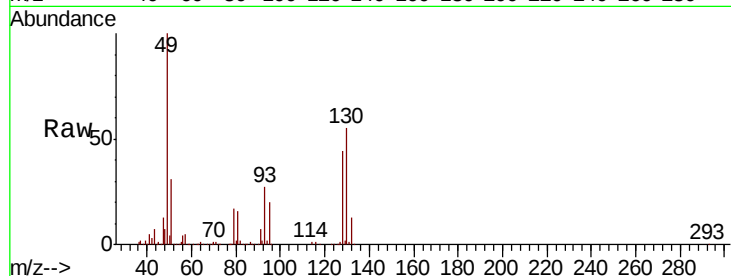
Tot Ion: 49 Resp: 837662

Ion Ratio Lower Upper

49 100

128 45.2 23.3 69.8

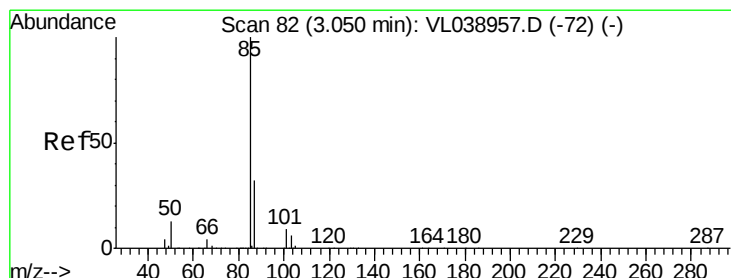
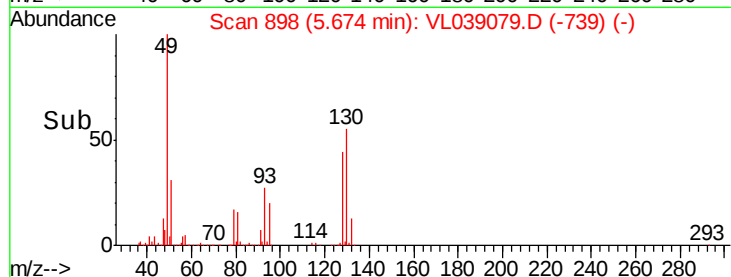
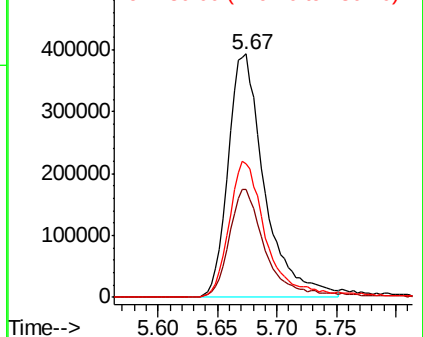
130 58.4 29.8 89.3



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: 0.304 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL039079.D

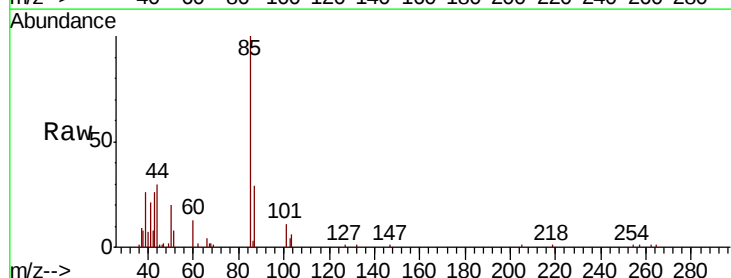
Acq: 17 May 2022 21:38

Tgt Ion: 85 Resp: 39956

Ion Ratio Lower Upper

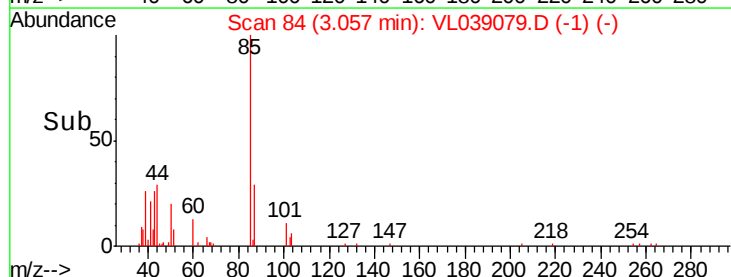
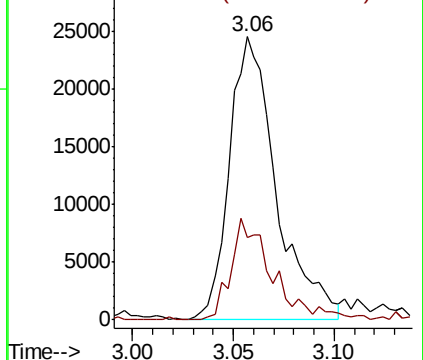
85 100

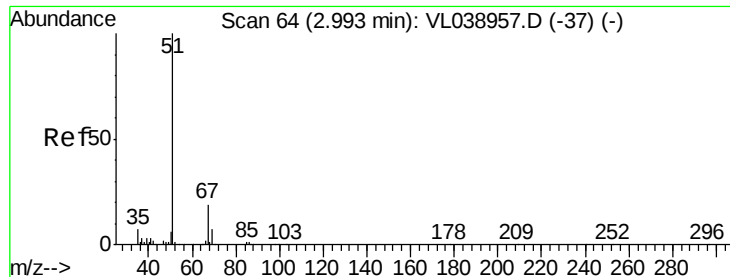
87 29.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

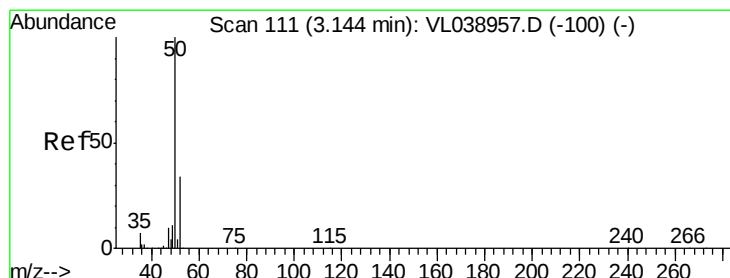
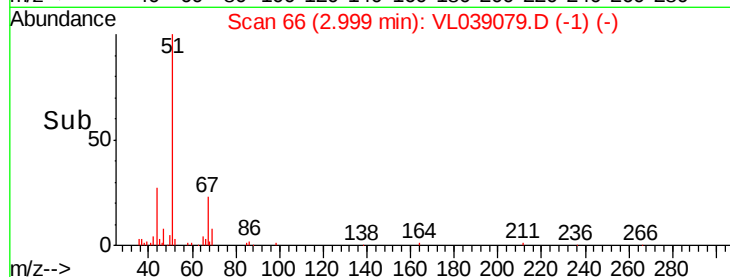
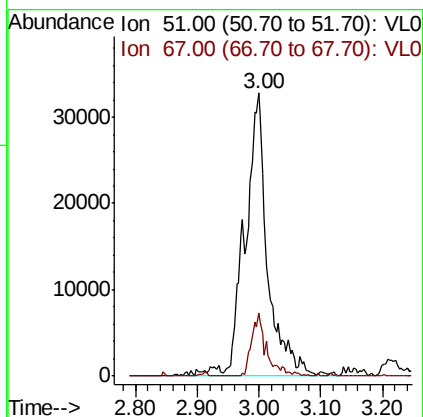
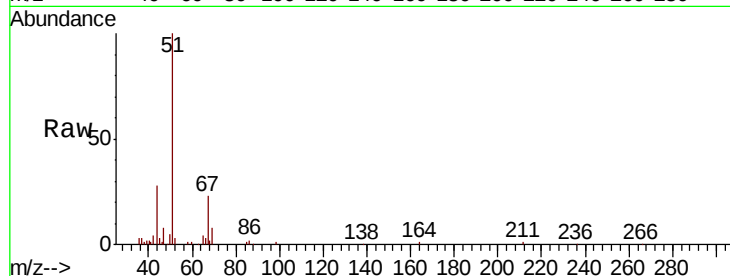
Ion 87.00 (86.70 to 87.70): VL0





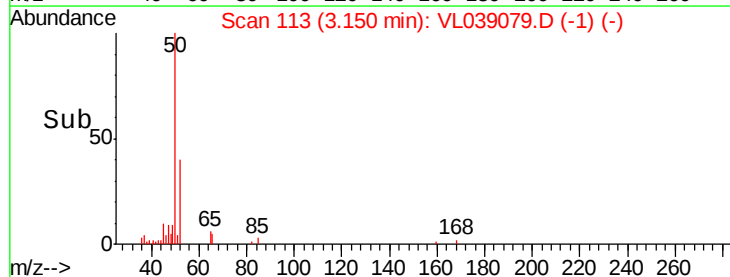
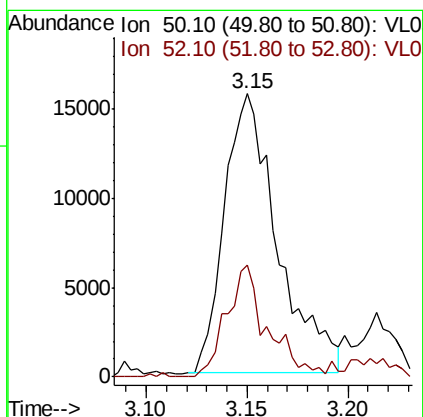
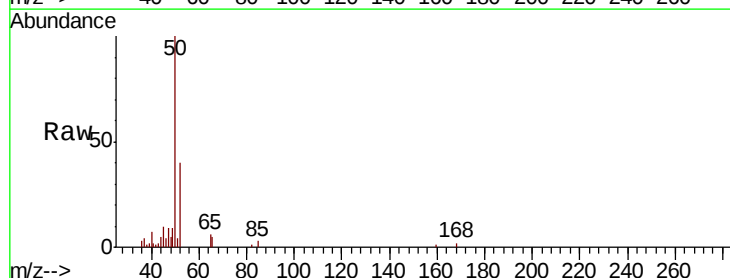
#3
Chlorodifluoromethane
Concen: 0.811 ppbv
RT: 3.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 May 2022 21:38

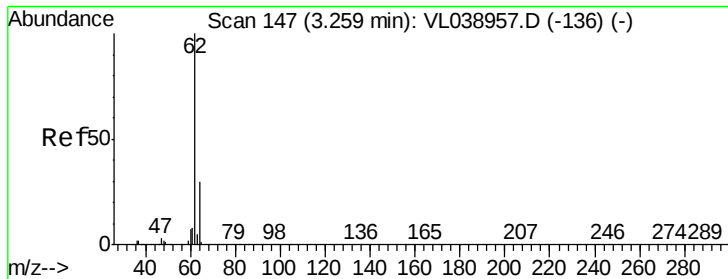
Tot Ion: 51 Resp: 84250
Ion Ratio Lower Upper
51 100
67 14.7 15.8 23.8#



#4
Chloromethane
Concen: 0.553 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

Tgt Ion: 50 Resp: 28780
Ion Ratio Lower Upper
50 100
52 40.3 27.3 40.9





#5

Vinyl Chloride

Concen: 0.002 ppbv

RT: 3.07

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

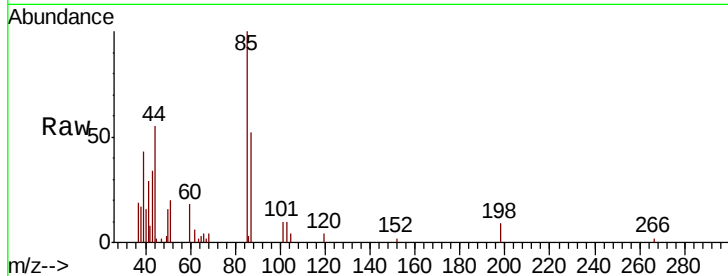
Acq: 17 May 2022 21:38

Tot Ion: 62 Resp: 93

Ion Ratio Lower Upper

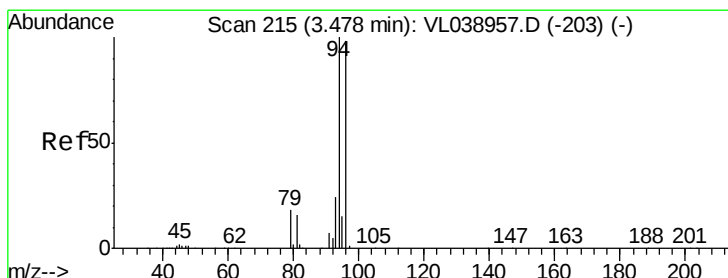
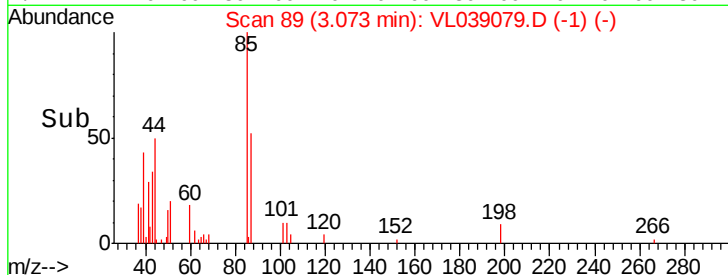
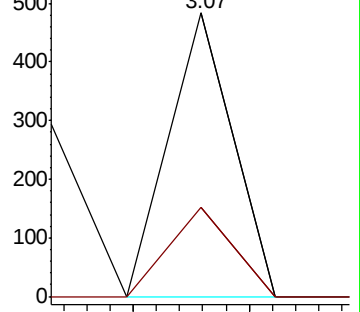
62 100

64 80.1 24.2 36.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.005 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL039079.D

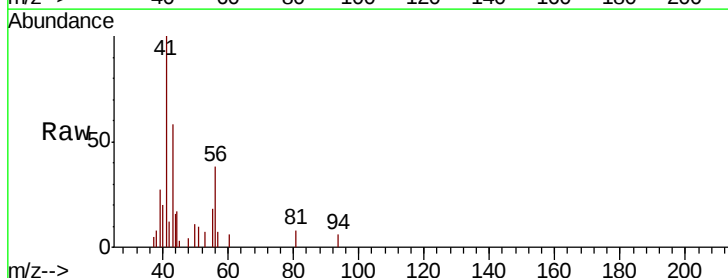
Acq: 17 May 2022 21:38

Tgt Ion: 94 Resp: 121

Ion Ratio Lower Upper

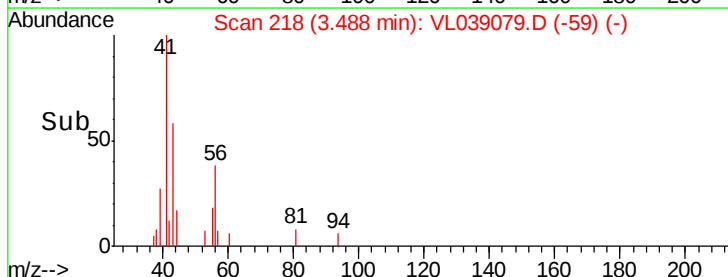
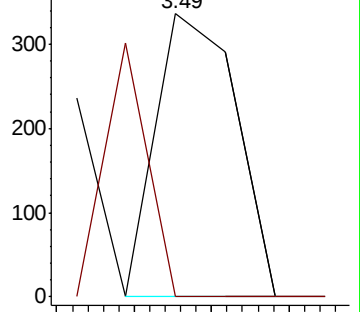
94 100

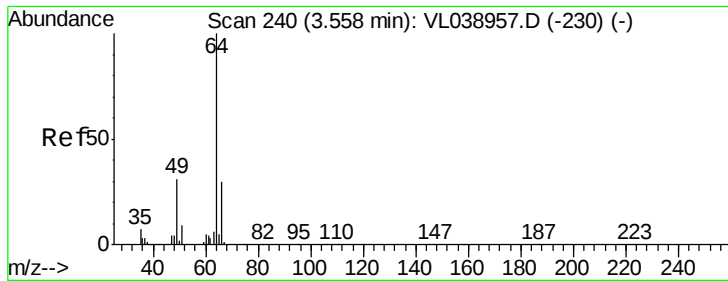
96 0.0 78.1 117.1#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.007 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

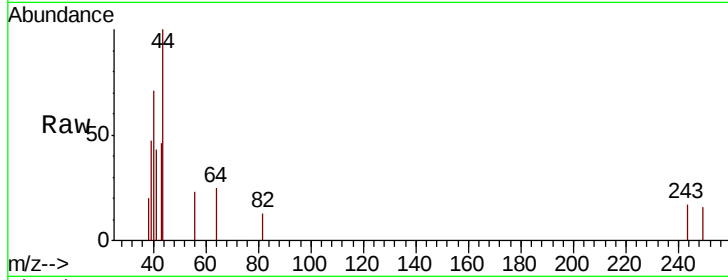
Acq: 17 May 2022 21:38

Tot Ion: 64 Resp: 113

Ion Ratio Lower Upper

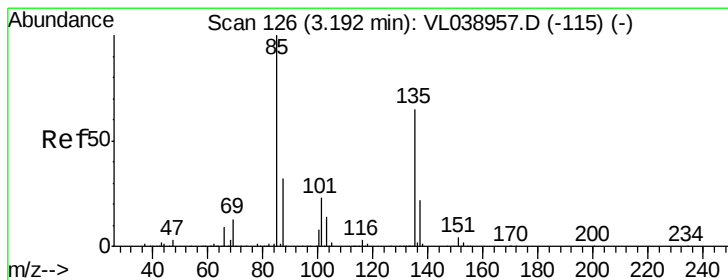
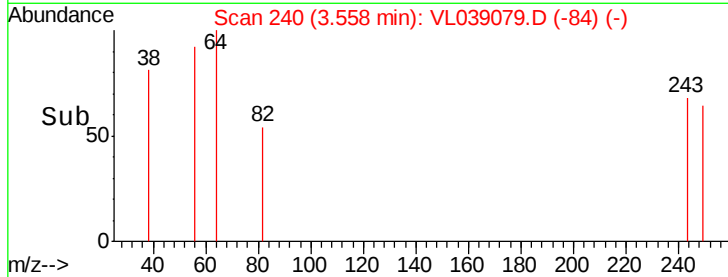
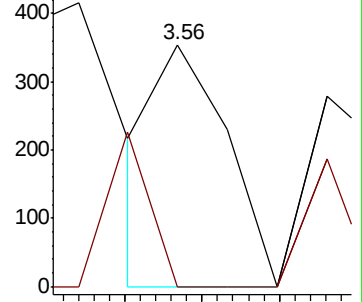
64 100

66 0.0 23.8 35.8#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.013 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL039079.D

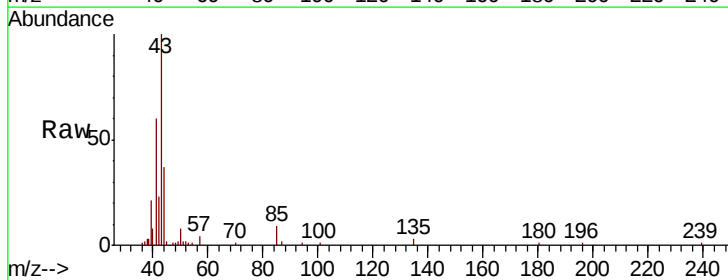
Acq: 17 May 2022 21:38

Tgt Ion: 85 Resp: 1503

Ion Ratio Lower Upper

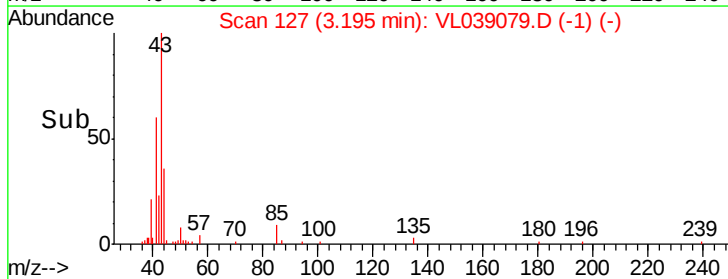
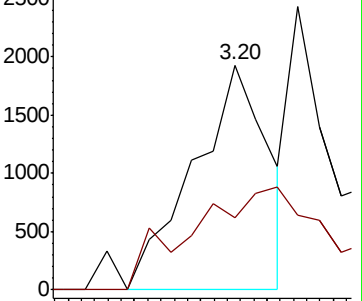
85 100

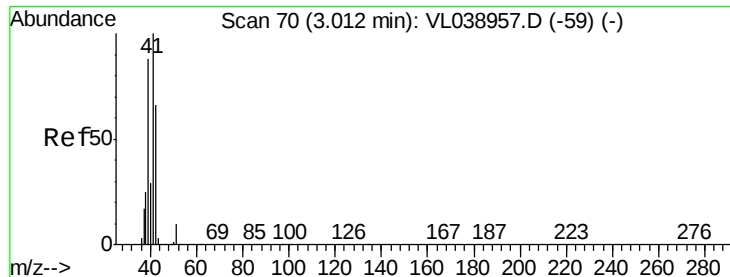
135 0.0 53.6 80.4#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.938 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

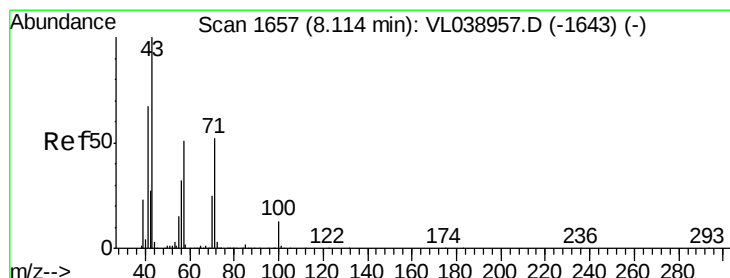
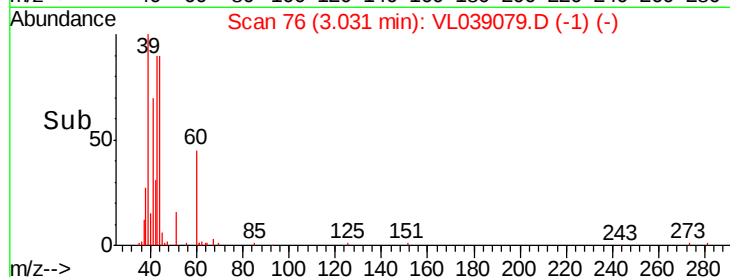
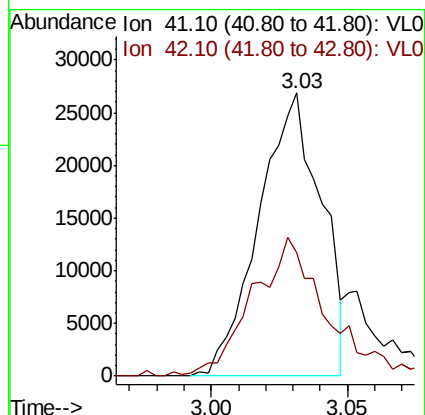
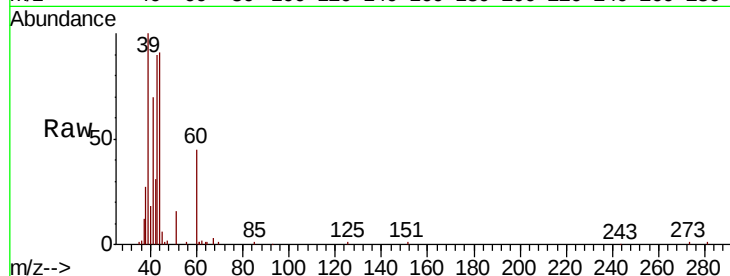
Acq: 17 May 2022 21:38

Tot Ion: 41 Resp: 42581

Ion Ratio Lower Upper

41 100

42 61.0 58.3 87.5



#10

Heptane

Concen: 0.889 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL039079.D

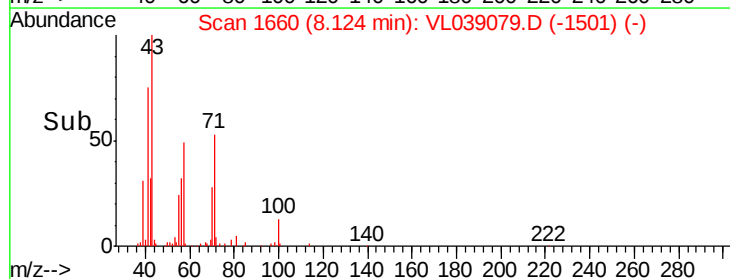
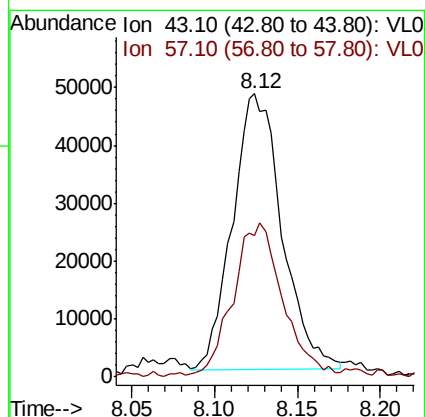
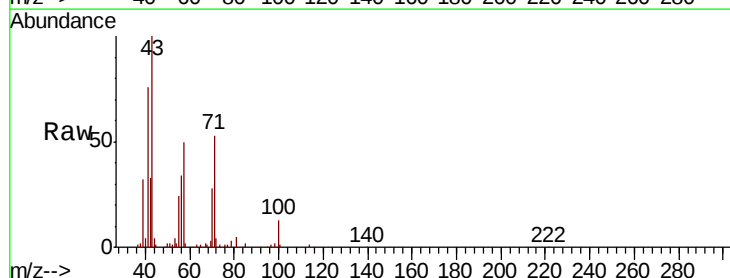
Acq: 17 May 2022 21:38

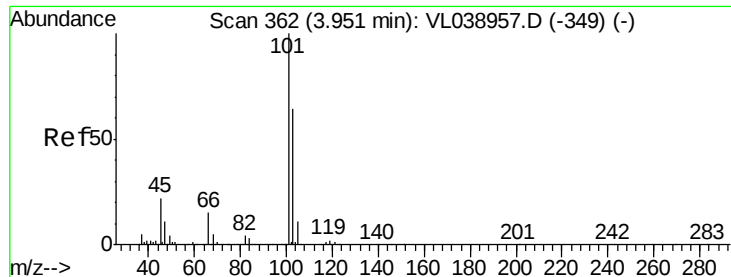
Tgt Ion: 43 Resp: 99047

Ion Ratio Lower Upper

43 100

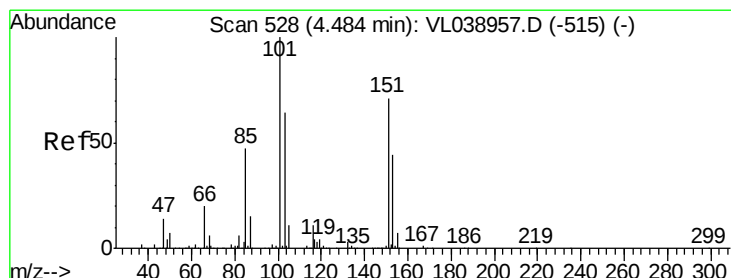
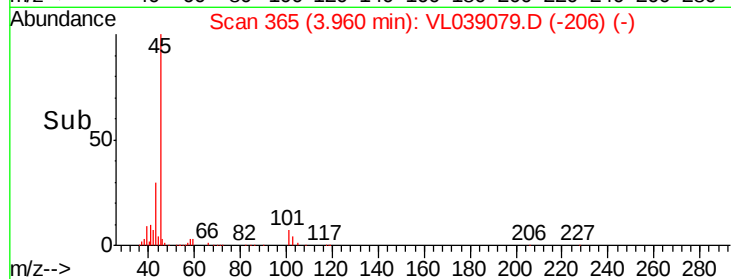
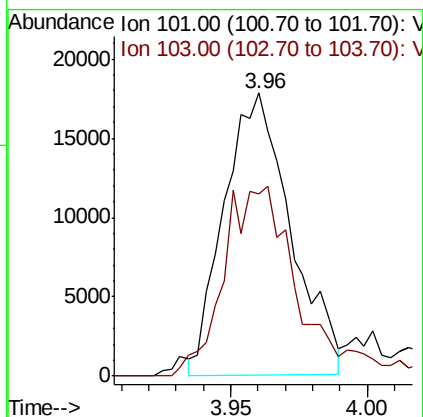
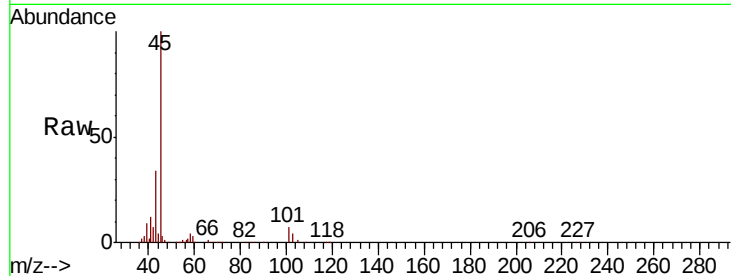
57 58.2 40.5 60.7





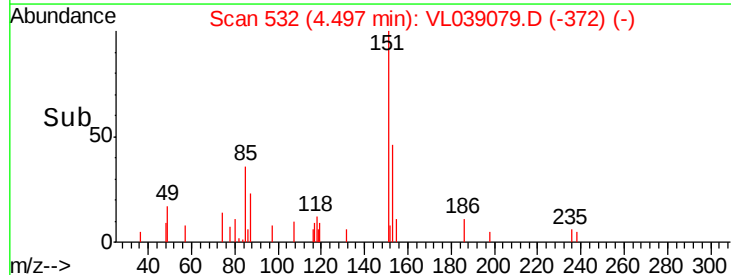
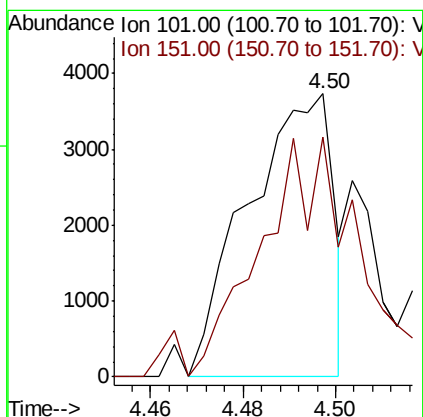
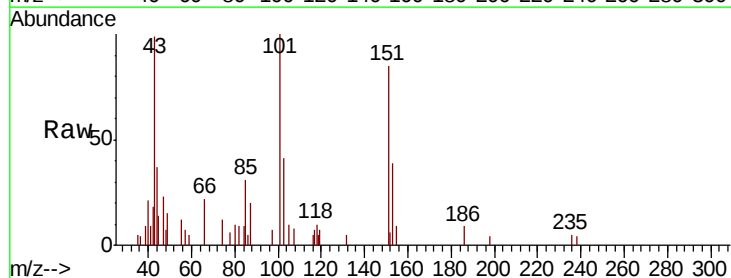
#11
 Trichlorofluoromethane
 Concen: 0.269 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

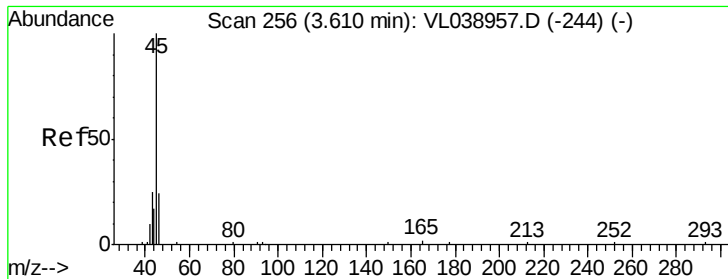
Tot Ion:101 Resp: 30266
 Ion Ratio Lower Upper
 101 100
 103 61.0 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.061 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

Tgt Ion:101 Resp: 4756
 Ion Ratio Lower Upper
 101 100
 151 109.6 55.4 83.0#





#13

Ethanol

Concen: 266.661 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

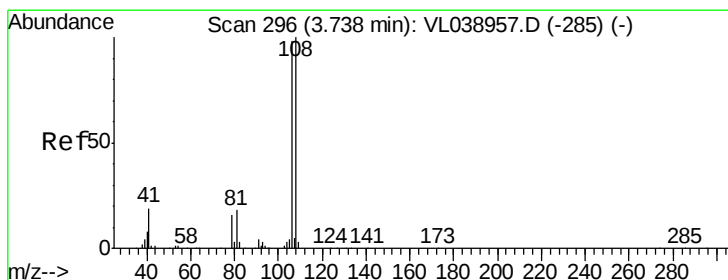
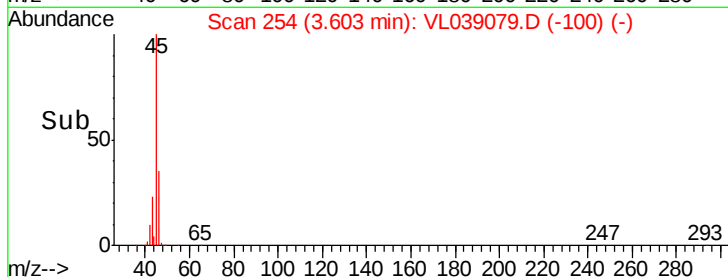
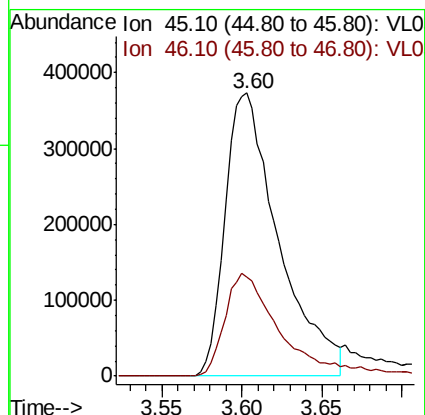
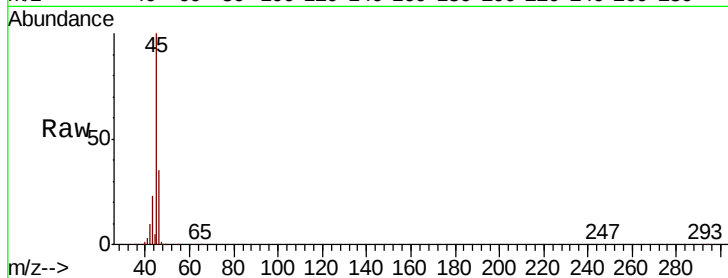
Acq: 17 May 2022 21:38

Tot Ion: 45 Resp: 856607

Ion Ratio Lower Upper

45 100

46 40.0 18.0 72.2



#14

Bromoethene

Concen: 0.003 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.21 min

Lab File: VL039079.D

Acq: 17 May 2022 21:38

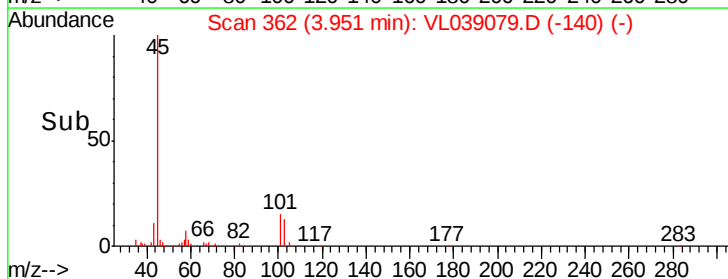
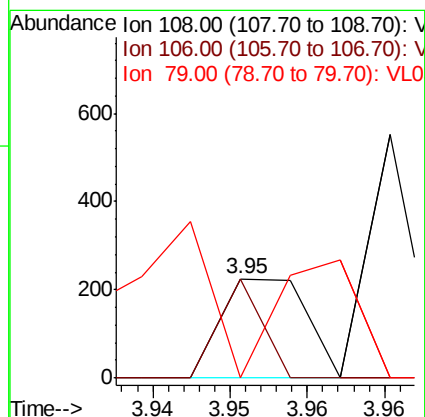
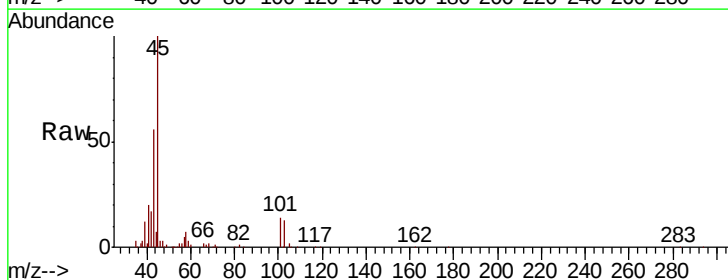
Tgt Ion: 108 Resp: 86

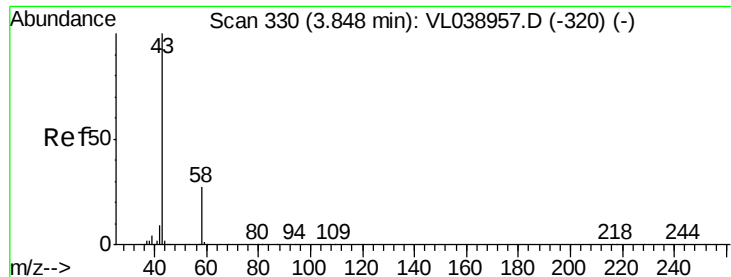
Ion Ratio Lower Upper

108 100

106 0.0 90.3 135.5#

79 183.7 14.9 22.3#





#15

Acetone

Concen: 15.921 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

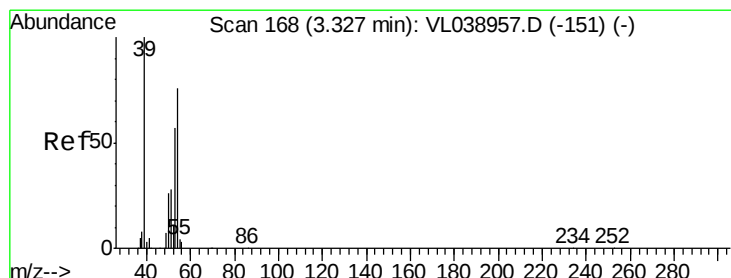
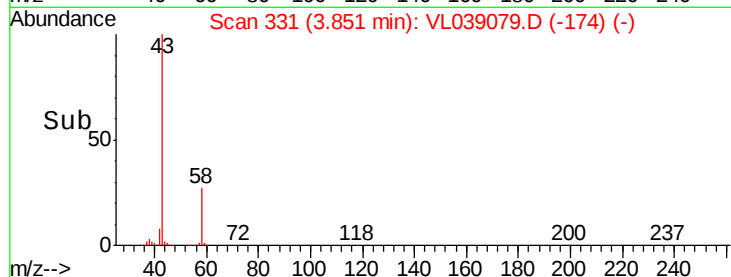
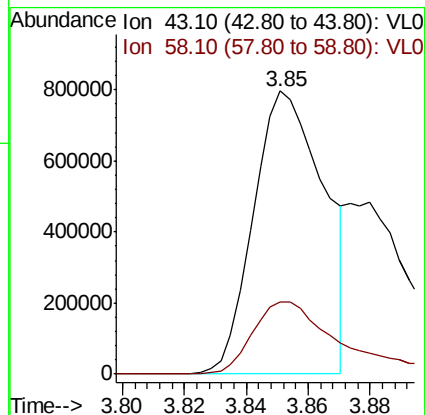
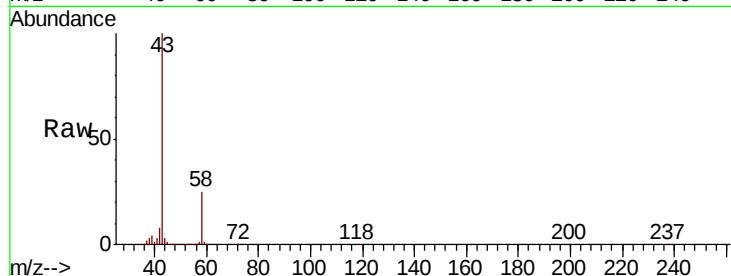
Acq: 17 May 2022 21:38

Tot Ion: 43 Resp: 1258049

Ion Ratio Lower Upper

43 100

58 33.6 21.3 31.9#



#16

1,3-Butadiene

Concen: 0.098 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL039079.D

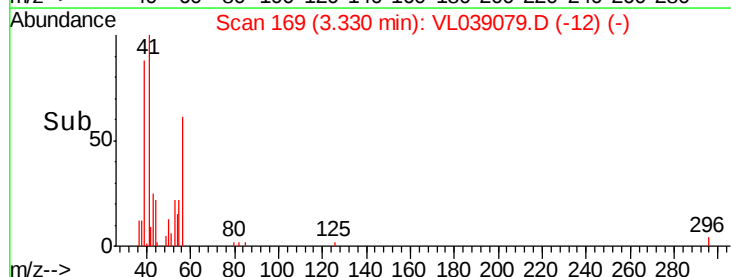
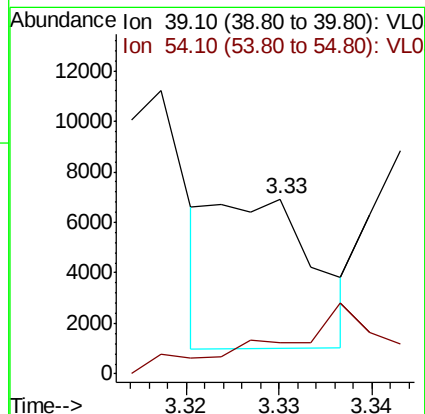
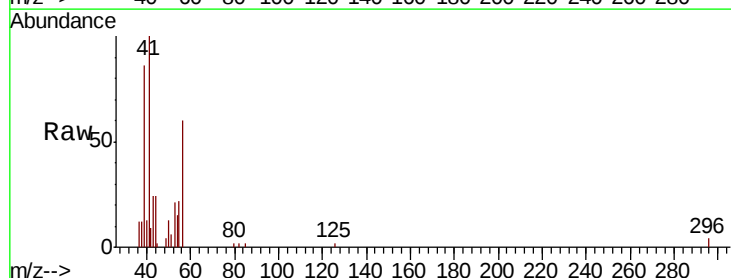
Acq: 17 May 2022 21:38

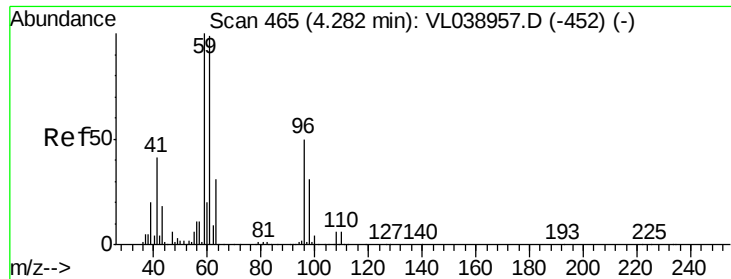
Tgt Ion: 39 Resp: 4452

Ion Ratio Lower Upper

39 100

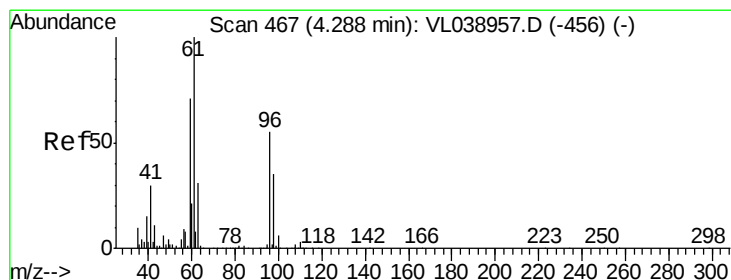
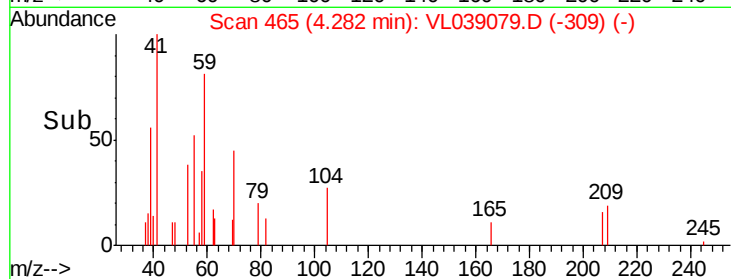
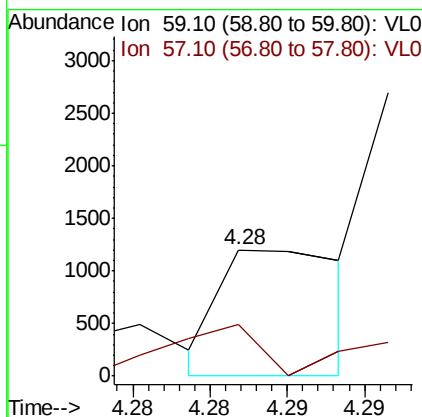
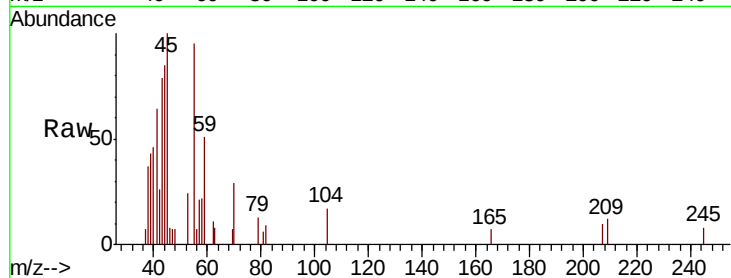
54 0.0 65.2 97.8#





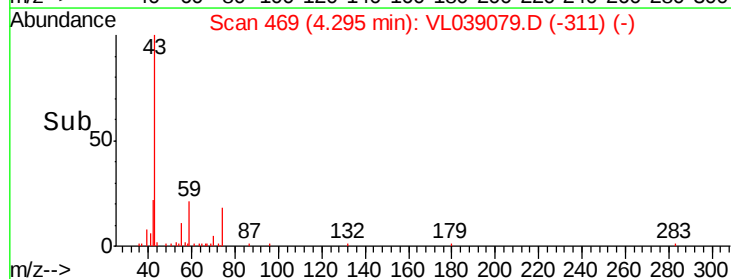
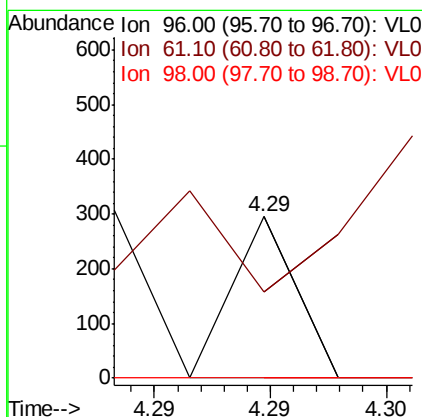
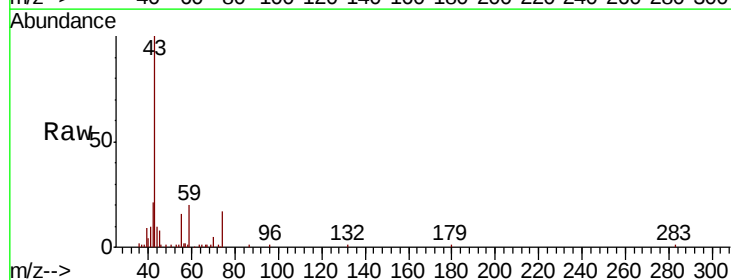
#17
tert-Butyl alcohol
Concen: 0.011 ppbv
RT: 4.28 Instrument: MSVOA_1
Delta R.T. Client Sample Id:
Lab File: 1161-8.01-SG-5
Acq: 17 May 2022 21:38

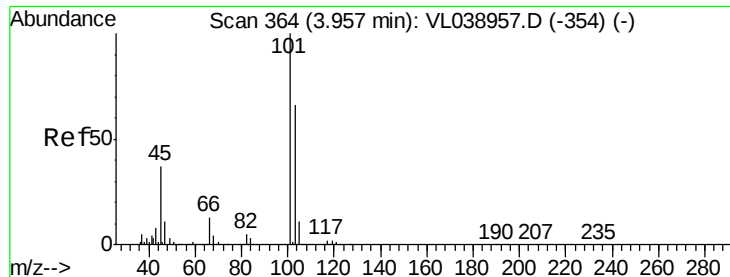
Tot Ion: 59 Resp: 672
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#



#18
1,1-Dichloroethene
Concen: 0.002 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

Tgt Ion: 96 Resp: 57
Ion Ratio Lower Upper
96 100
61 0.0 146.3 219.5#
98 0.0 50.6 75.8#





#19

Isopropyl Alcohol

Concen: 18.751 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

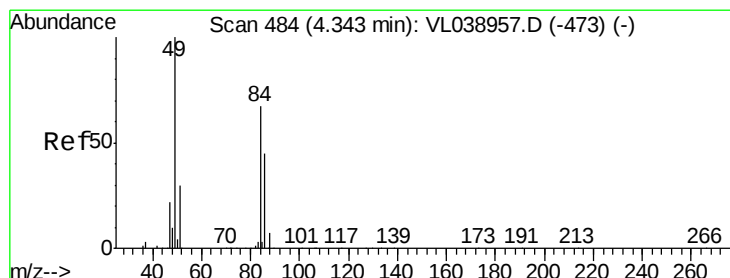
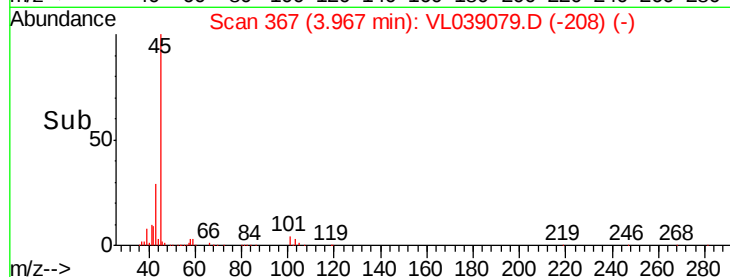
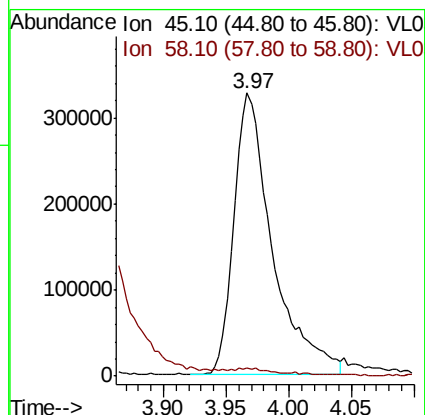
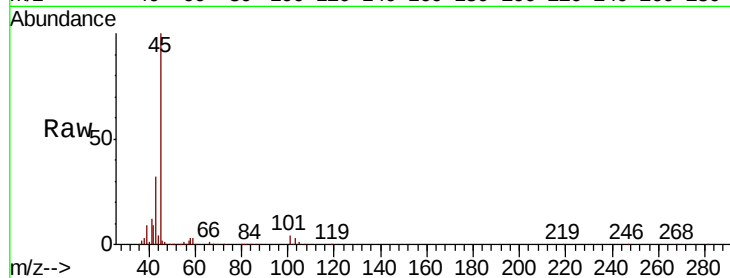
Acq: 17 May 2022 21:38

Tot Ion: 45 Resp: 704460

Ion Ratio Lower Upper

45 100

58 3.7 1.4 2.2#



#20

Methylene Chloride

Concen: 1.781 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL039079.D

Acq: 17 May 2022 21:38

Tgt Ion: 84 Resp: 53045

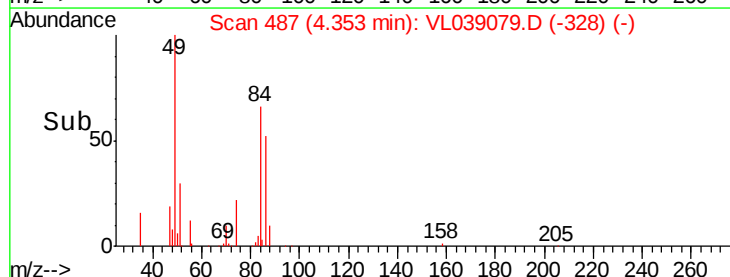
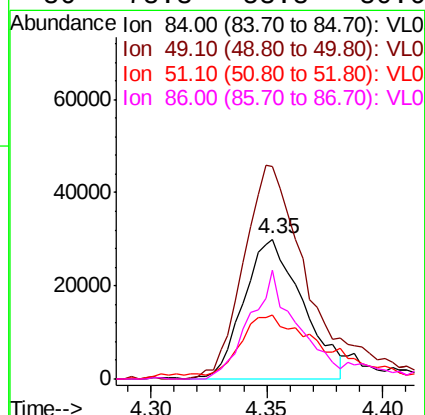
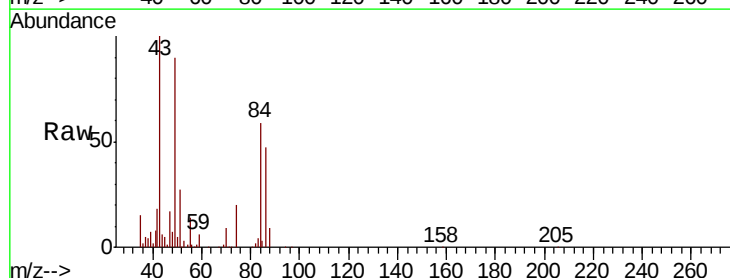
Ion Ratio Lower Upper

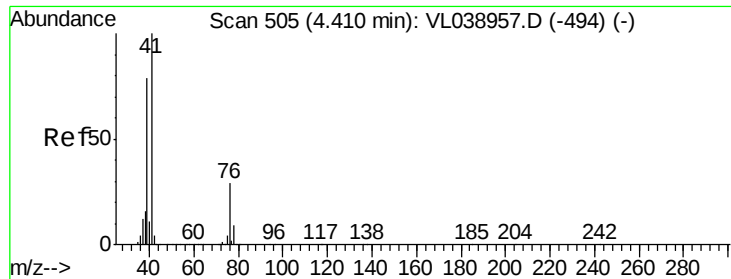
84 100

49 150.9 119.9 179.9

51 41.9 35.7 53.5

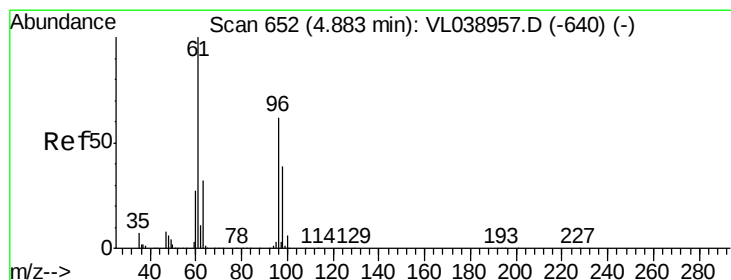
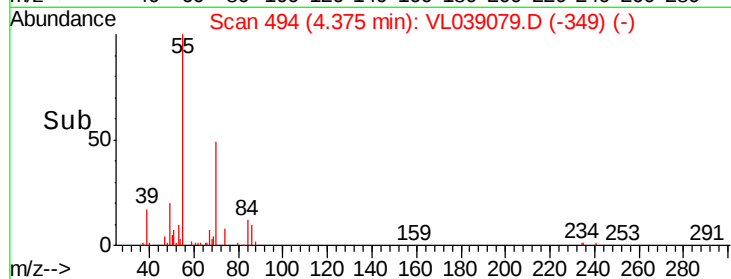
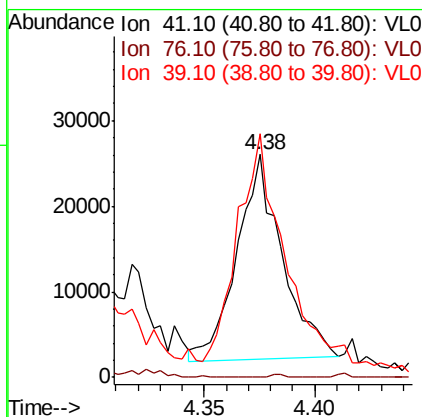
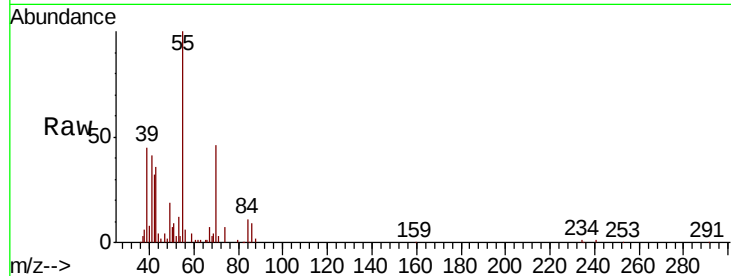
86 78.3 53.8 80.6





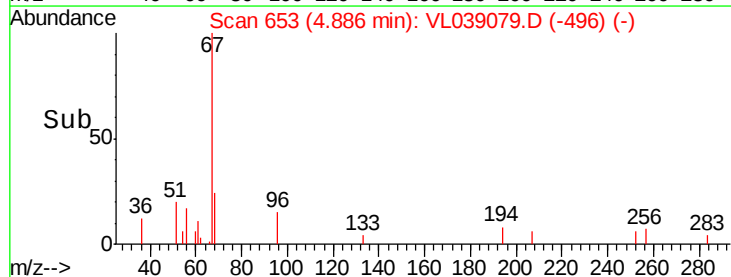
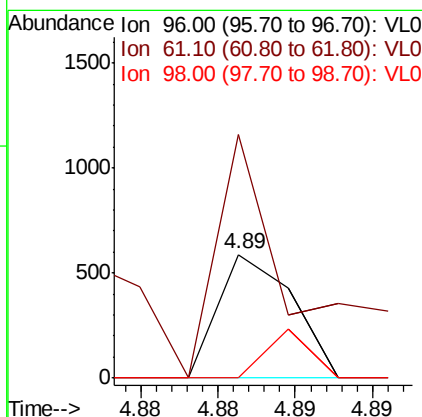
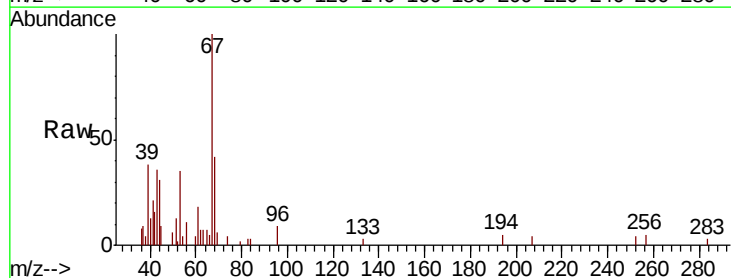
#21
 Allvl Chloride
 Concen: 0.631 ppbv
 RT: 4.38
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

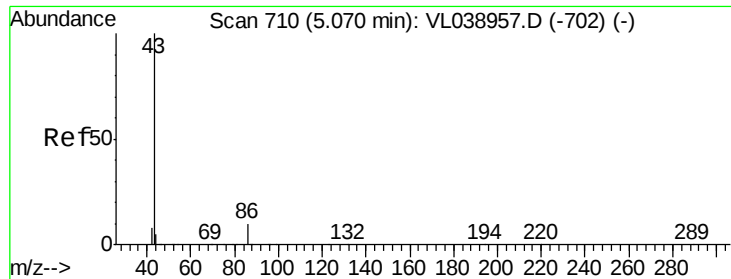
Tot Ion	Ratio	Lower	Upper
41	100		
76	0.4	24.2	36.4#
39	145.7	63.8	95.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.005 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.1	128.2	192.2#
98	0.0	50.1	75.1#





#23

Vinyl Acetate

Concen: 1.291 ppbv

RT: 5.06 Instrument: MSVOA_1

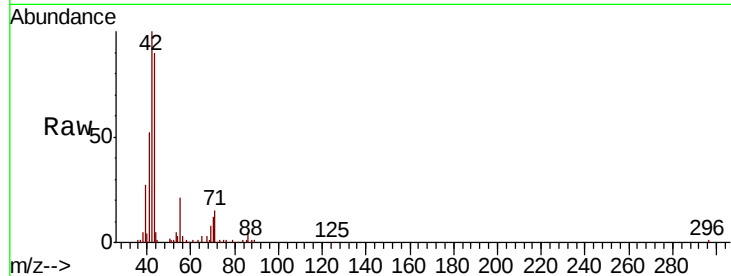
Delta R.T.

Lab File: ClientSampleId:

Acq: 17 May 2022 21:38

Tot Ion: 43 Resp: 80704

Ion	Ratio	Lower	Upper
43	100		
86	5.2	6.6	9.8#
42	112.7	8.1	12.1#
44	2.4	3.5	5.3#

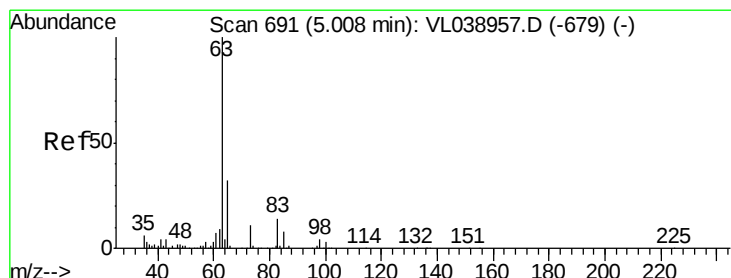
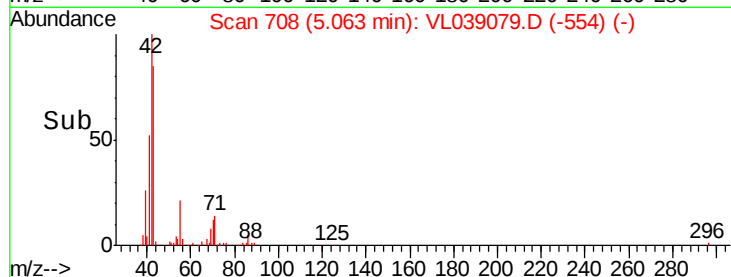
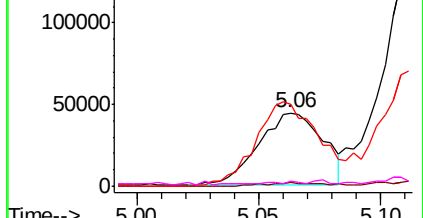


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.001 ppbv

RT: 5.04 min Scan# 701

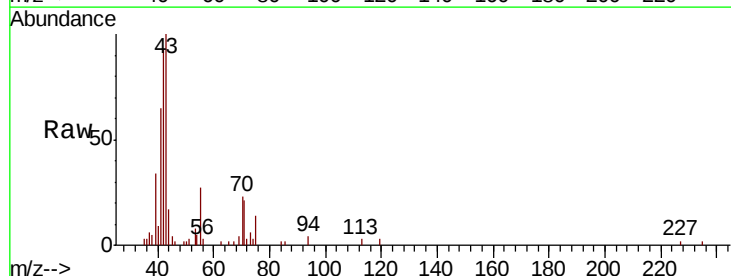
Delta R.T. 0.03 min

Lab File: VL039079.D

Acq: 17 May 2022 21:38

Tgt Ion: 63 Resp: 100

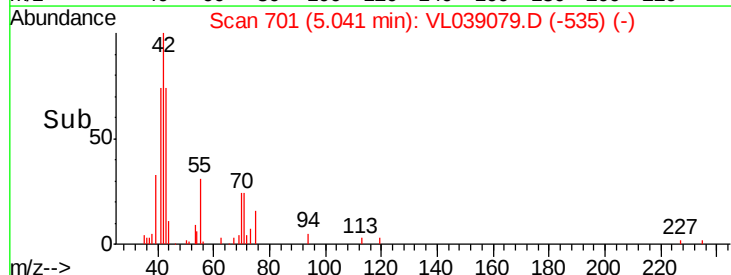
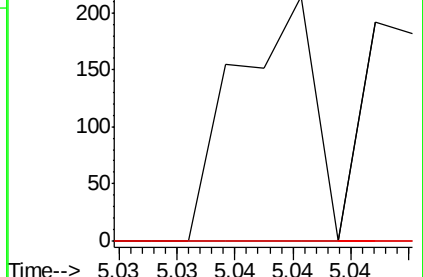
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.2#
100	0.0	1.4	4.2#

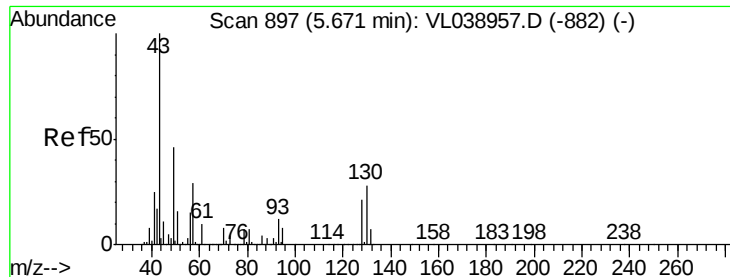


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

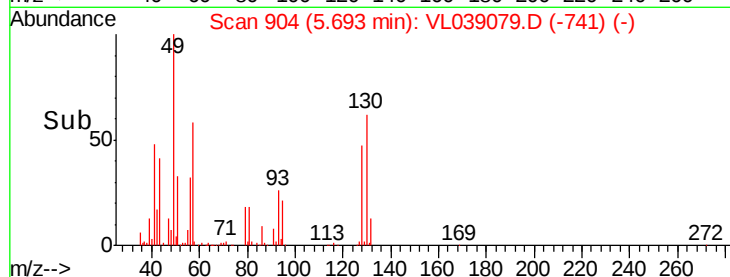
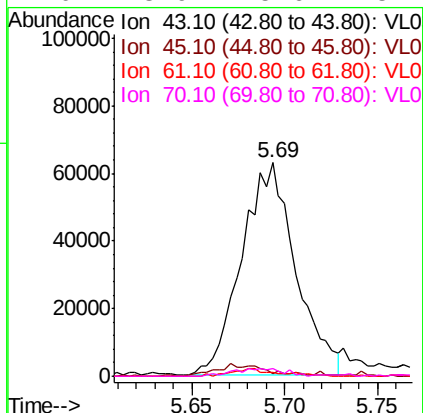
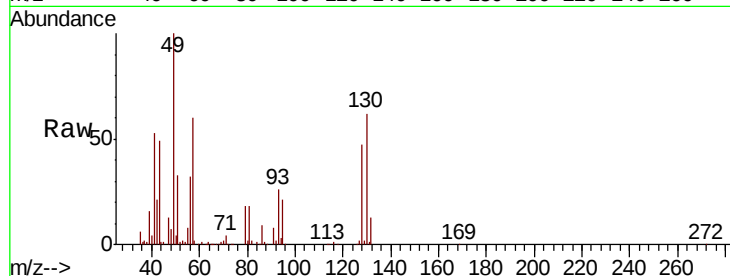
Ion 100.00 (99.70 to 100.70): VL0





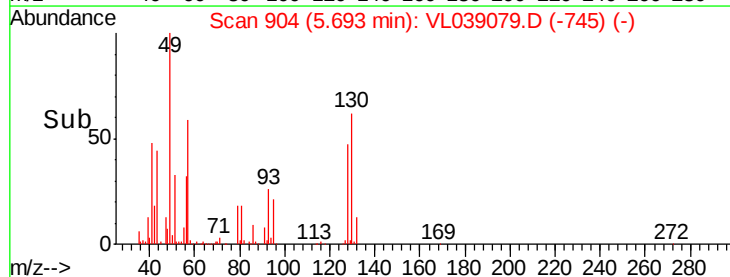
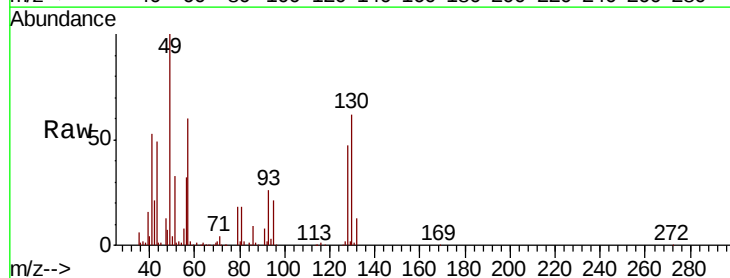
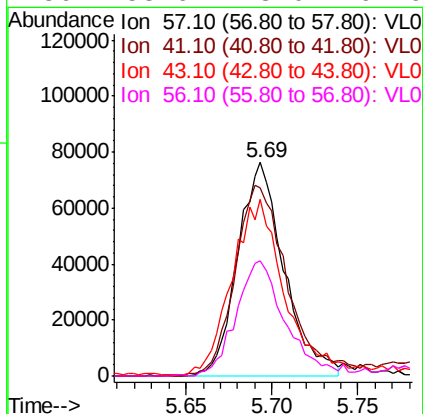
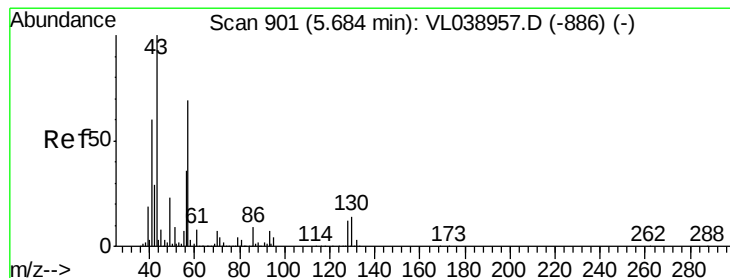
#25
Ethyl Acetate
Concen: 0.675 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : 1161-8.01-SG-5
Acq: 17 May 2022 21:38

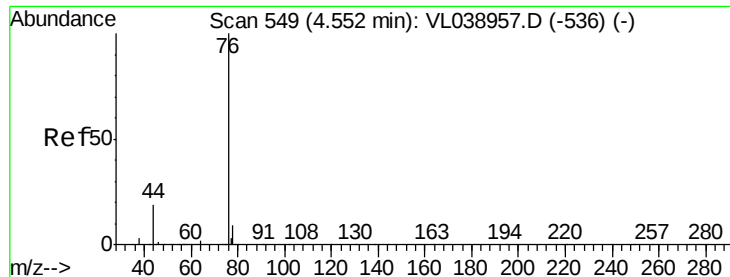
Tot Ion:	43	Resp:	127647
Ion	Ratio	Lower	Upper
43	100		
45	6.0	8.1	12.1#
61	3.1	7.8	11.6#
70	3.9	5.6	8.4#



#26
Hexane
Concen: 1.698 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.01 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

Tgt Ion:	57	Resp:	142707
Ion	Ratio	Lower	Upper
57	100		
41	101.2	75.2	112.8
43	95.9	190.8	286.2#
56	58.6	43.0	64.6





#27

Carbon Disulfide

Concen: 0.003 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 May 2022 21:38

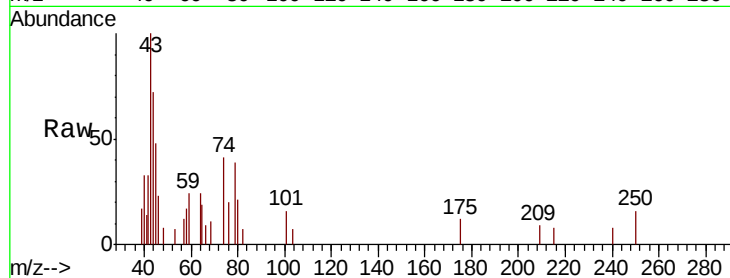
Tot Ion: 76 Resp: 265

Ion Ratio Lower Upper

76 100

44 419.2 15.3 22.9#

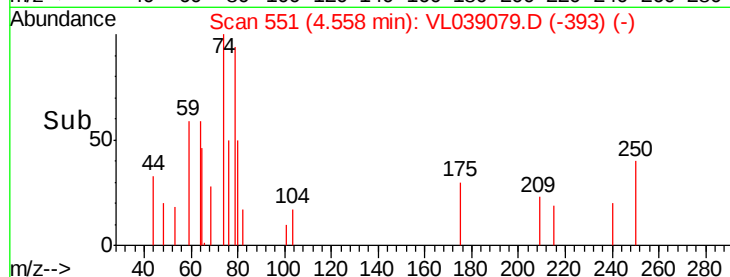
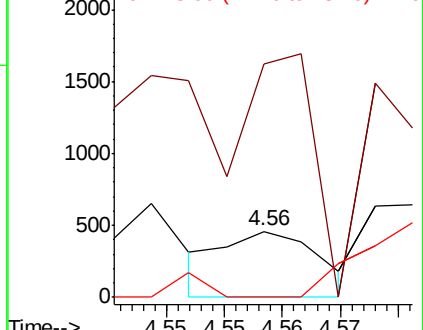
78 0.0 8.2 12.2#



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: 0.006 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.01 min

Lab File: VL039079.D

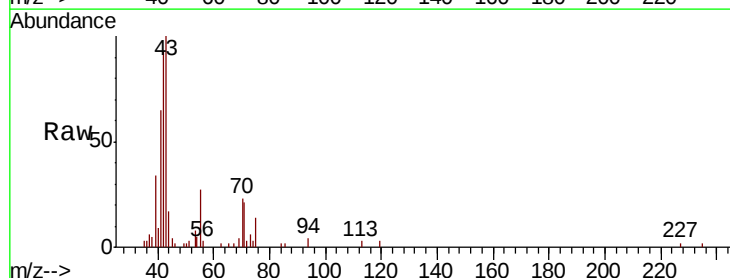
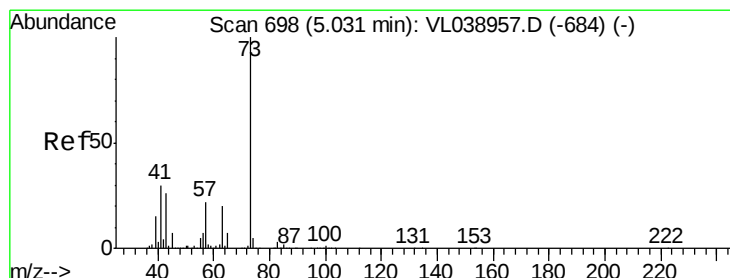
Acq: 17 May 2022 21:38

Tgt Ion: 73 Resp: 382

Ion Ratio Lower Upper

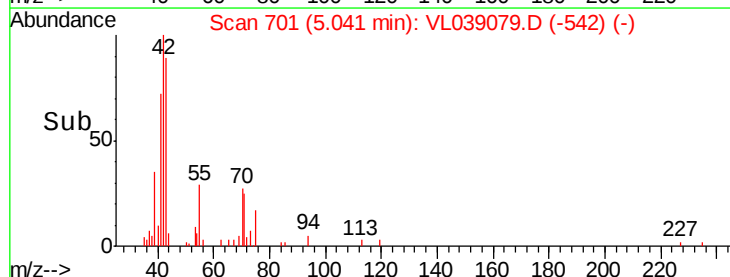
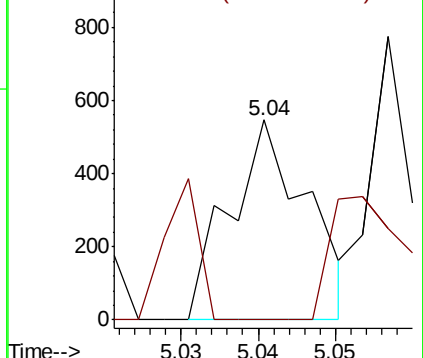
73 100

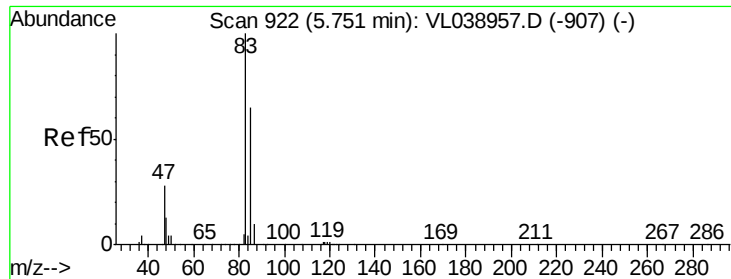
57 0.0 18.8 28.2#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.019 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

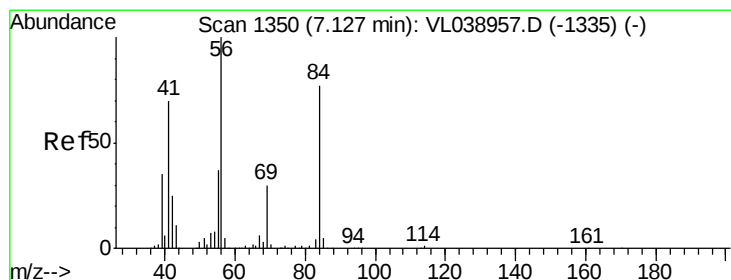
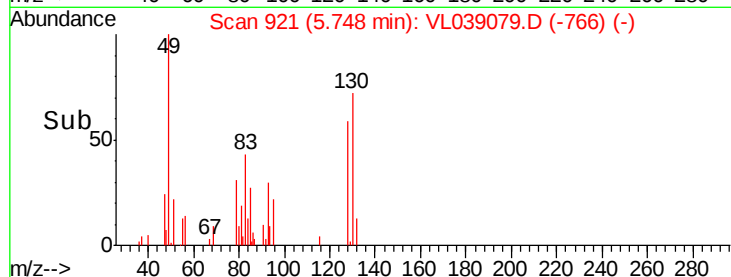
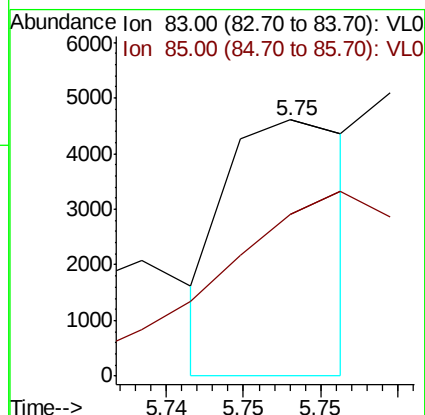
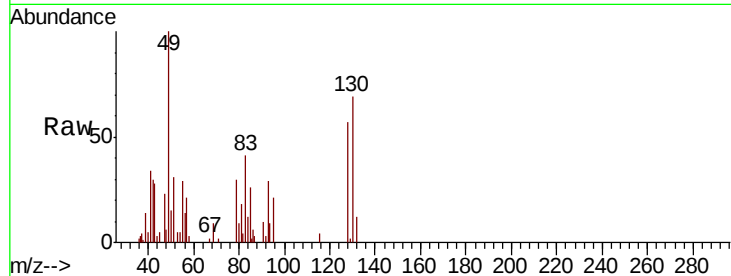
Acq: 17 May 2022 21:38 1161-8.01-SG-5

Tot Ion: 83 Resp: 2556

Ion Ratio Lower Upper

83 100

85 52.4 51.8 77.6



#30

Cyclohexane

Concen: 0.135 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL039079.D

Acq: 17 May 2022 21:38

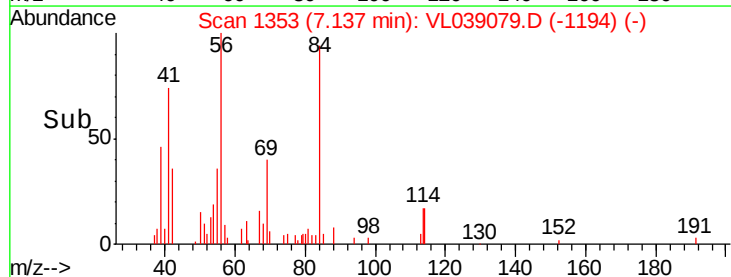
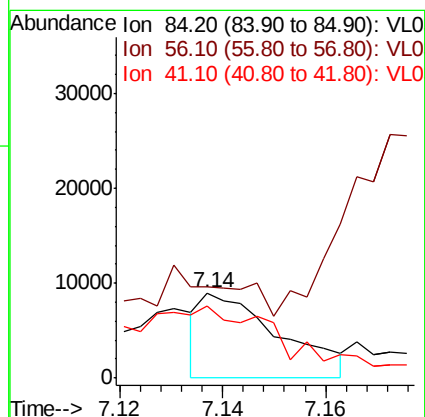
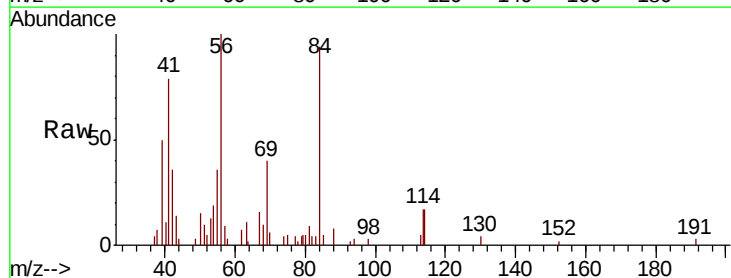
Tgt Ion: 84 Resp: 9469

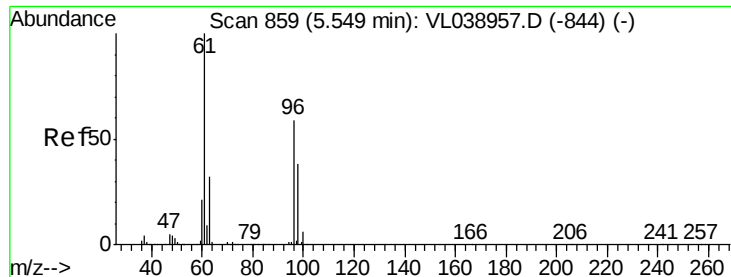
Ion Ratio Lower Upper

84 100

56 0.0 115.3 172.9#

41 178.0 72.0 108.0#





#31

cis-1,2-Dichloroethene

Concen: 0.001 ppbv

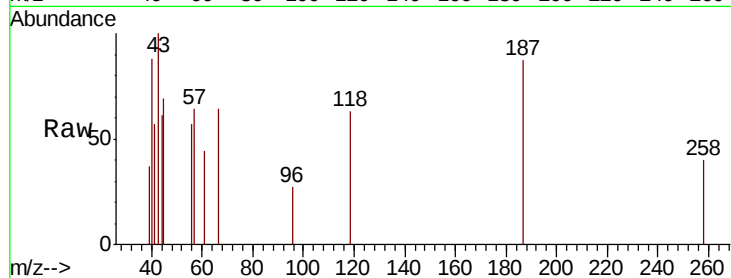
RT: 5.56 Instrument:

Delta R.T. MSVOA_1

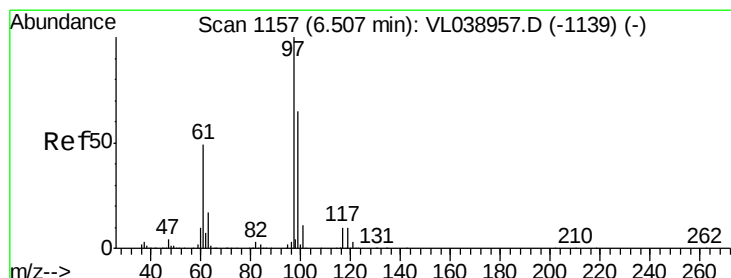
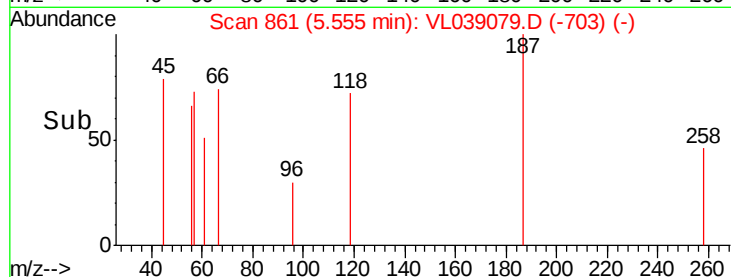
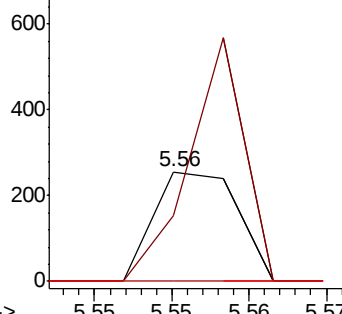
Lab File: ClientSampleId:

Acq: 17 May 2022 21:38

Tot Ion:	61	Resp:	96
Ion	Ratio	Lower	Upper
61	100		
96	60.0	47.4	71.0
98	0.0	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: 0.002 ppbv

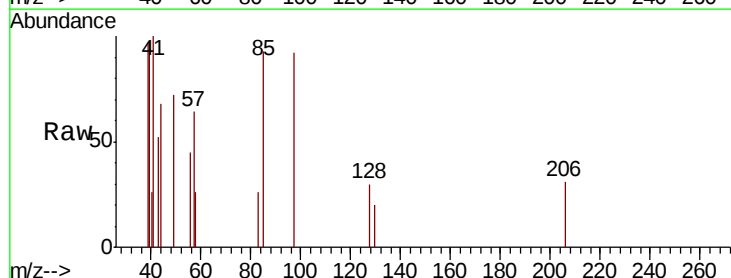
RT: 6.52 min Scan# 1162

Delta R.T. 0.02 min

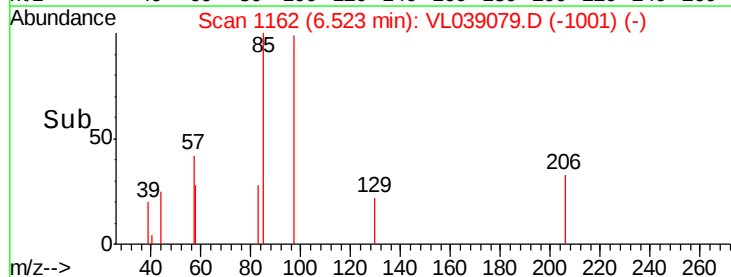
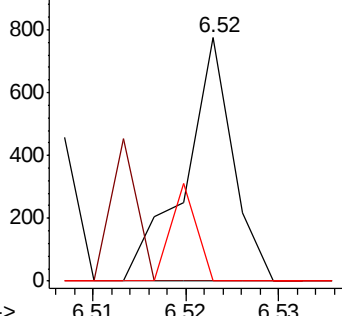
Lab File: VL039079.D

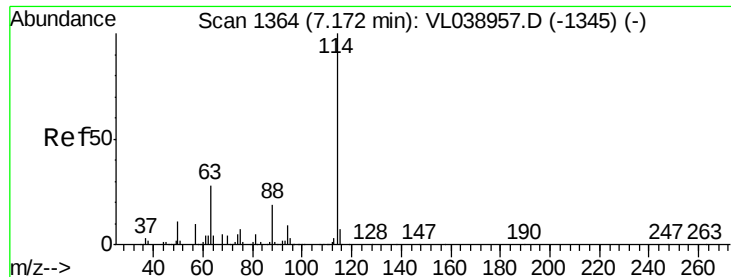
Acq: 17 May 2022 21:38

Tgt Ion:	97	Resp:	279
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.9	77.9#
61	240.9	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

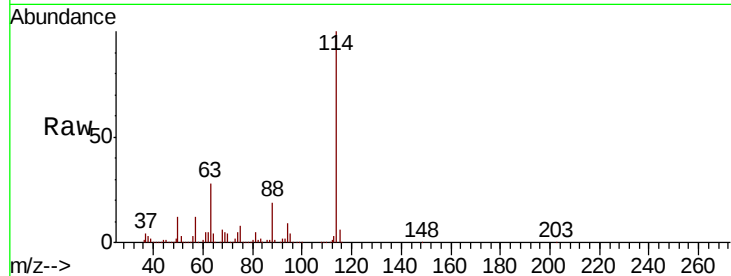




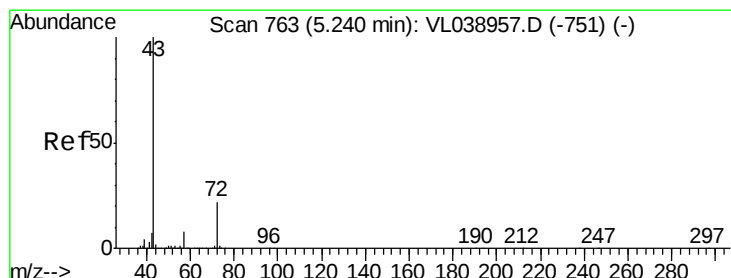
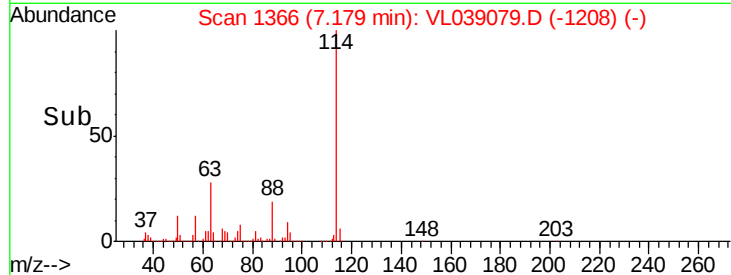
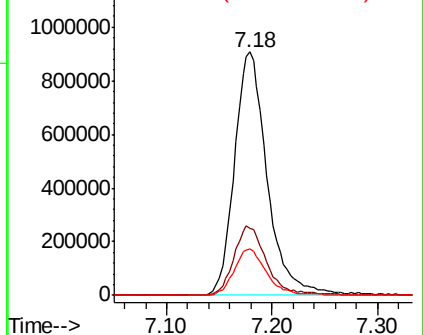
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

Tot Ion:114 Resp: 1941893

Ion	Ratio	Lower	Upper
114	100		
63	28.8	22.6	33.8
88	19.1	15.4	23.0



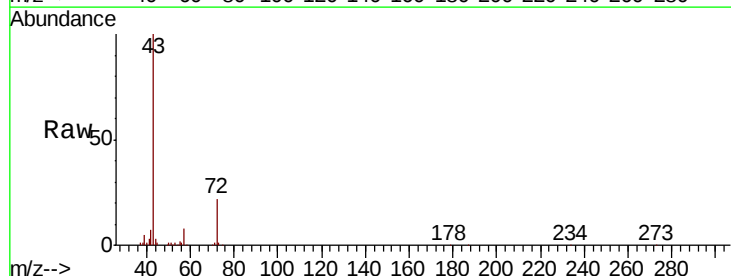
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



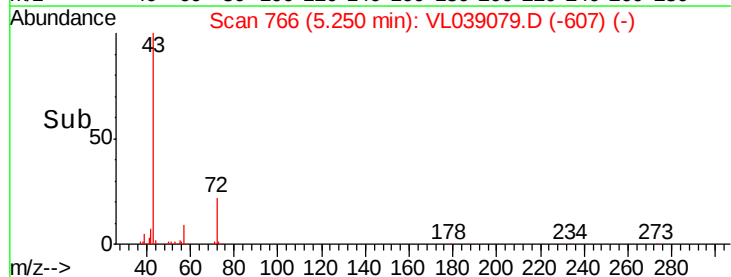
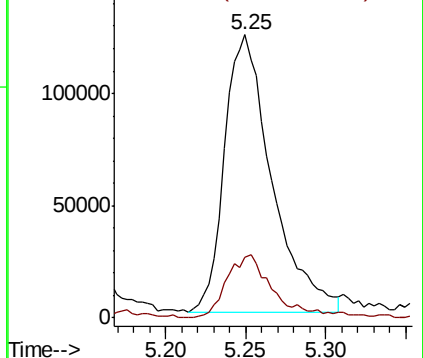
#34
 2-Butanone
 Concen: 2.517 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

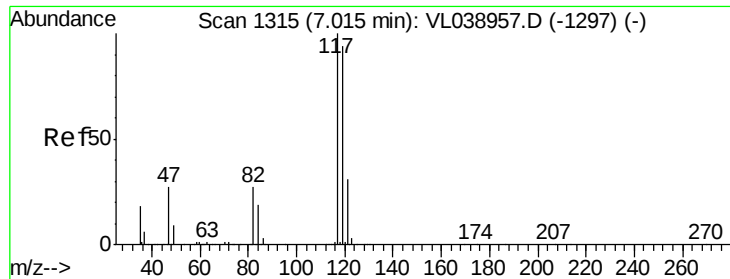
Tgt Ion: 43 Resp: 249391

Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.8	26.6



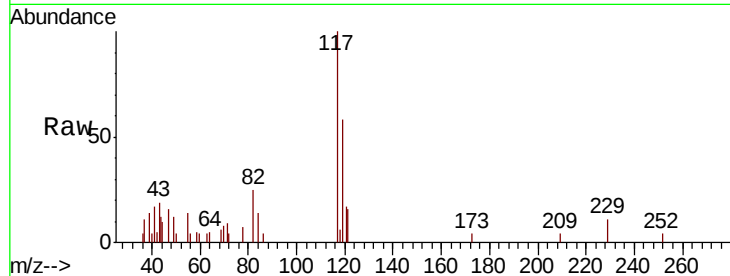
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0



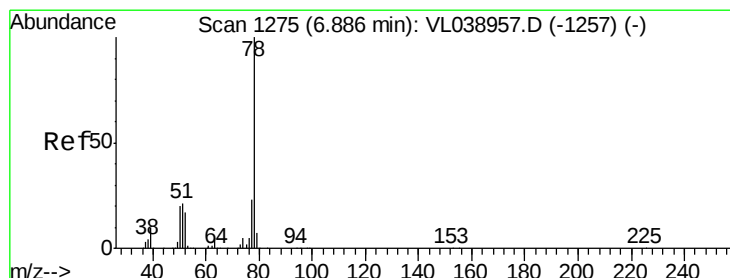
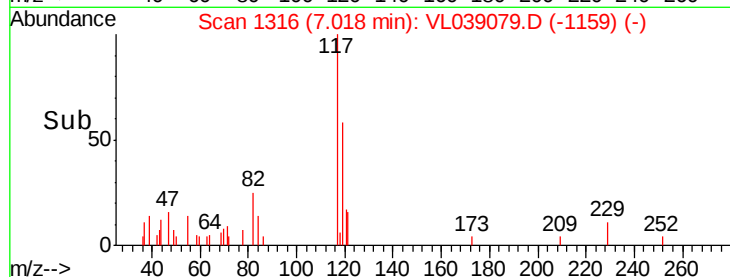
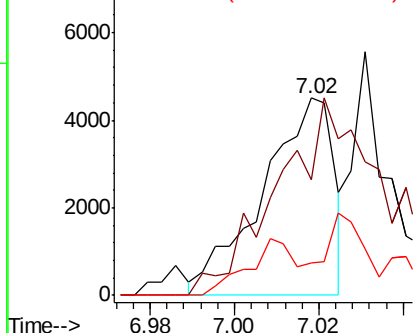


#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 7.02
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : 1161-8.01-SG-5
Acq: 17 May 2022 21:38

Tot Ion:117 Resp: 5286
Ion Ratio Lower Upper
117 100
119 62.5 75.2 112.8#
121 17.6 24.6 37.0#

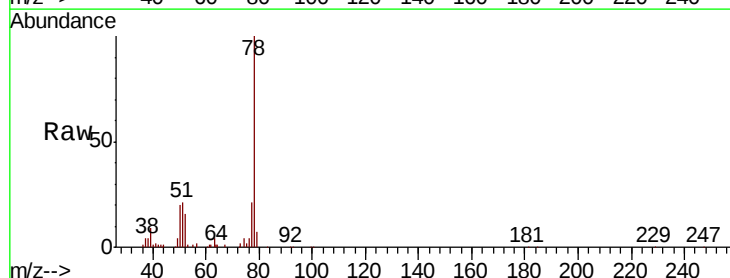


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

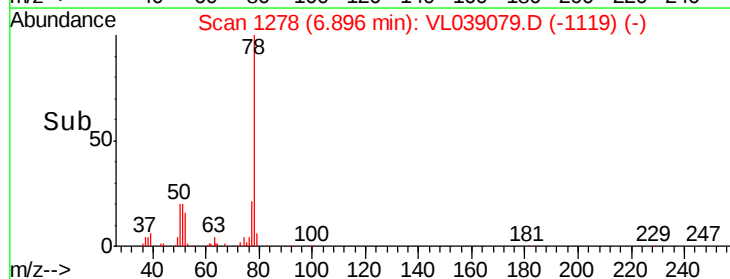
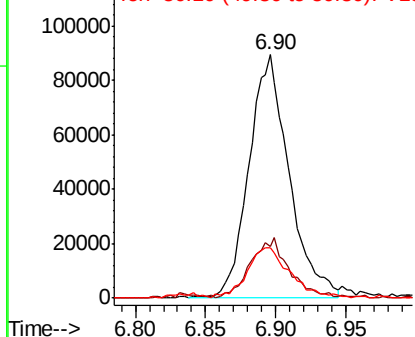


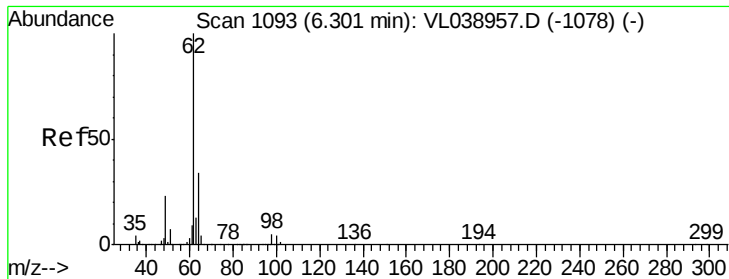
#36
Benzene
Concen: 1.063 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

Tgt Ion: 78 Resp: 176674
Ion Ratio Lower Upper
78 100
77 20.8 18.6 28.0
50 19.5 15.6 23.4



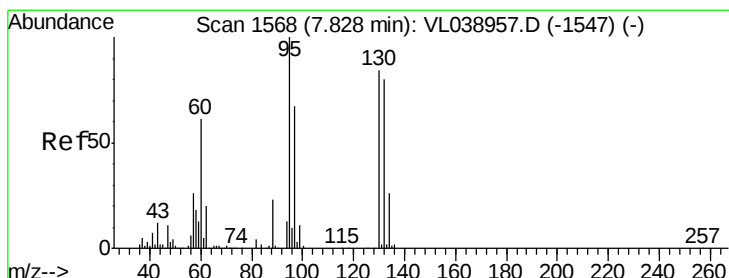
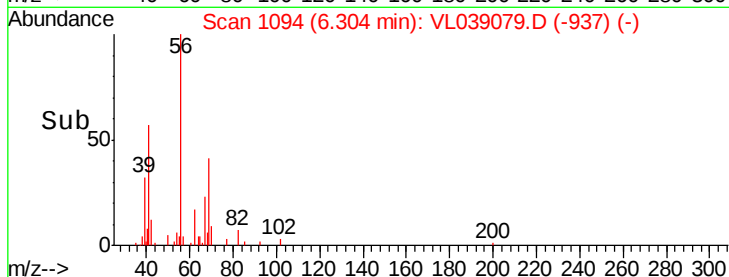
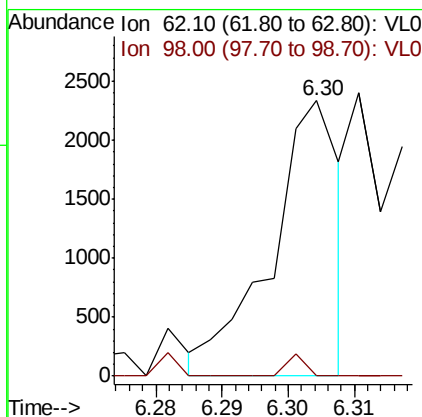
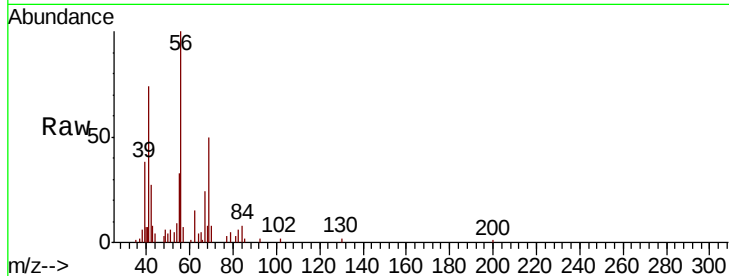
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





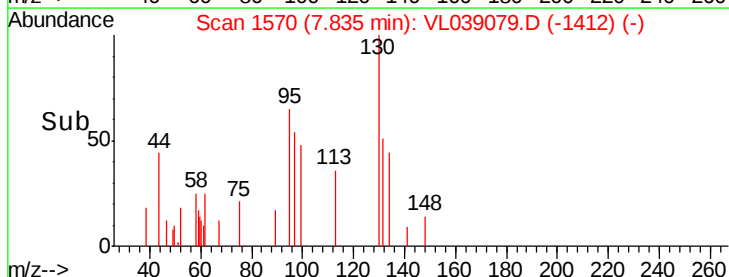
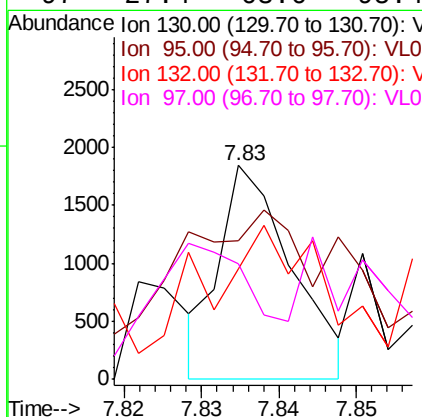
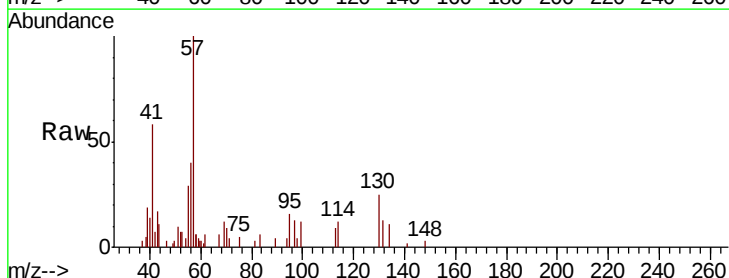
#37
 1,2-Dichloroethane
 Concen: 0.016 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

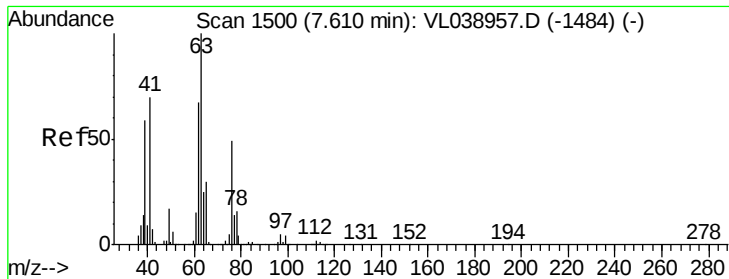
Tot Ion: 62 Resp: 1673
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.5 6.7#



#38
 Trichloroethene
 Concen: 0.016 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

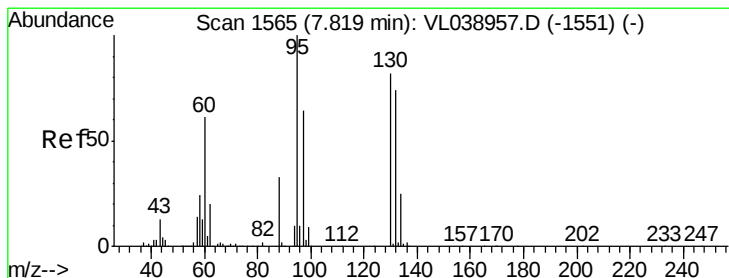
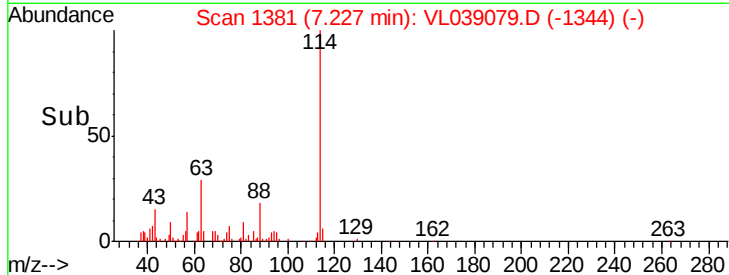
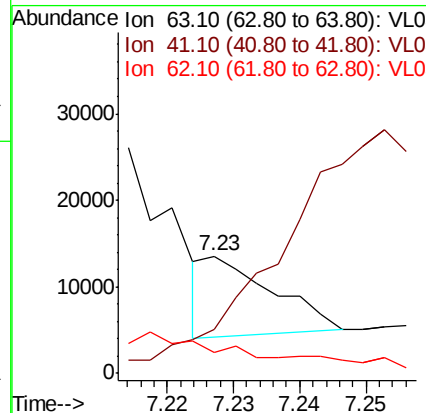
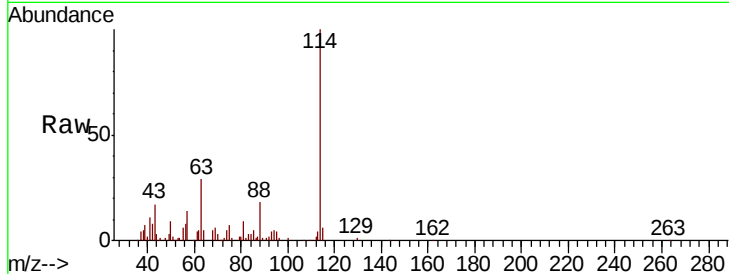
Tgt Ion: 130 Resp: 1202
 Ion Ratio Lower Upper
 130 100
 95 0.0 94.8 142.2#
 132 32.4 75.8 113.8#
 97 27.4 63.6 95.4#





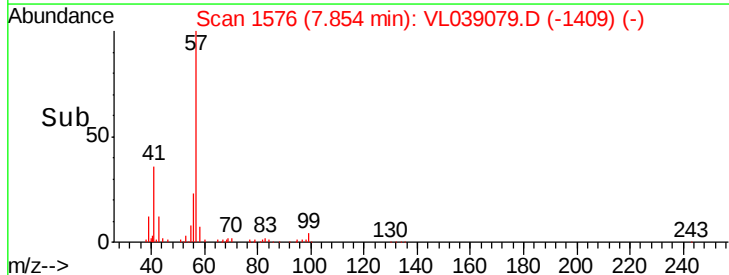
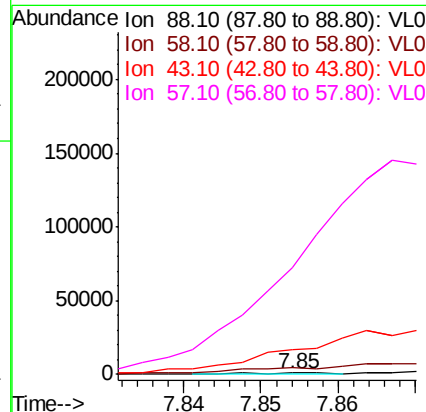
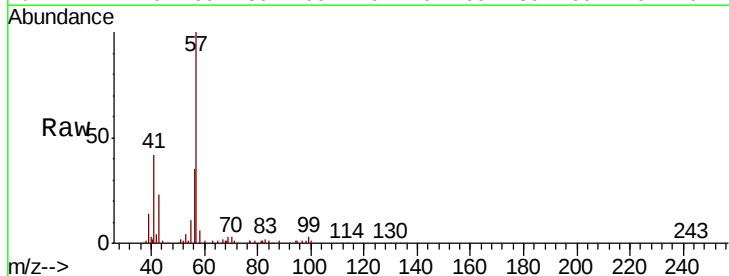
#39
 1,2-Dichloropropane
 Concen: 0.101 ppbv
 RT: 7.23
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

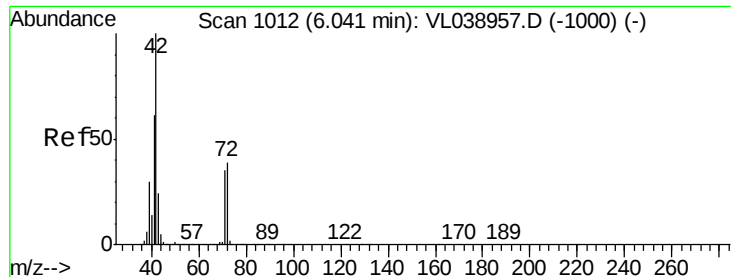
Tot Ion	Ratio	Lower	Upper
63	100		
41	13.6	55.9	83.9#
62	9.3	53.8	80.6#



#40
 1,4-Dioxane
 Concen: 0.027 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.04 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.1	159.1#
43	0.0	222.9	334.3#
57	0.0	957.6	1436.4#





#41

Tetrahydrofuran

Concen: 1.377 ppbv

RT: 6.06 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: 1161-8.01-SG-5

Acq: 17 May 2022 21:38

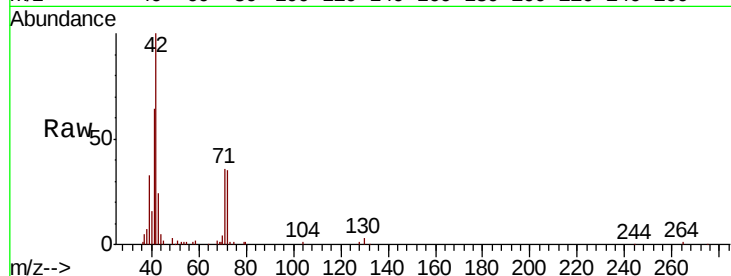
Tot Ion: 42 Resp: 91684

Ion Ratio Lower Upper

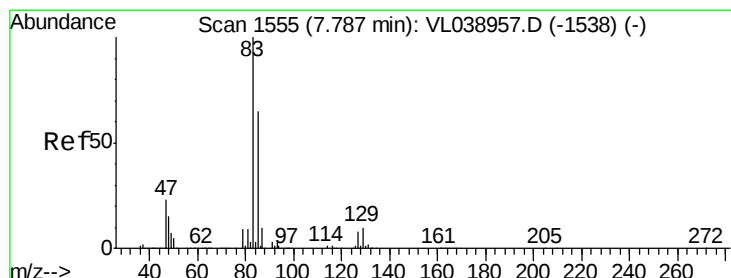
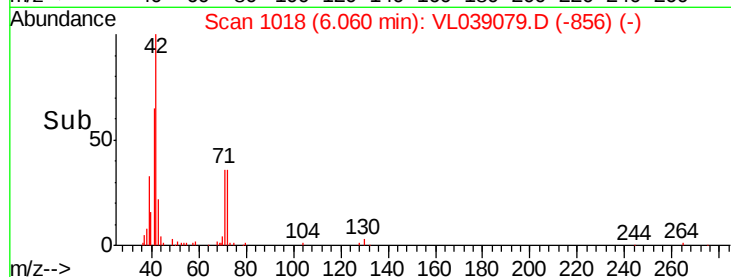
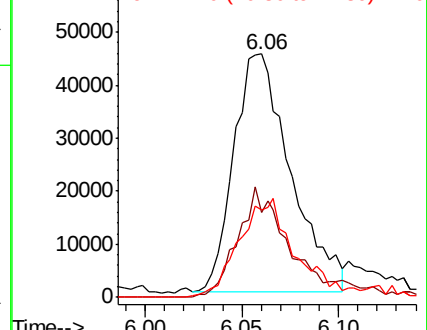
42 100

72 45.7 31.8 47.6

71 45.0 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: 0.007 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL039079.D

Acq: 17 May 2022 21:38

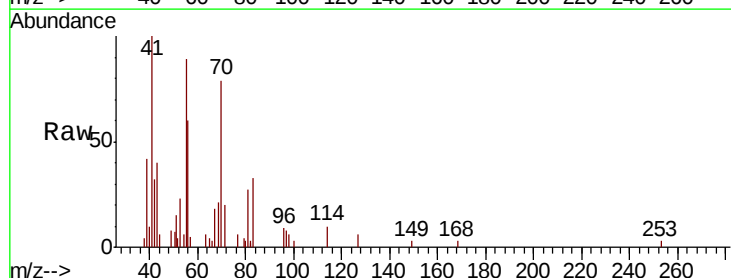
Tgt Ion: 83 Resp: 1004

Ion Ratio Lower Upper

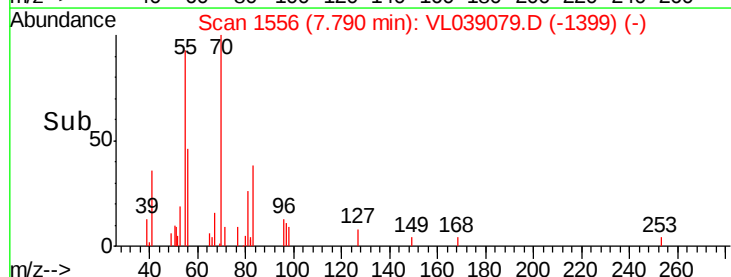
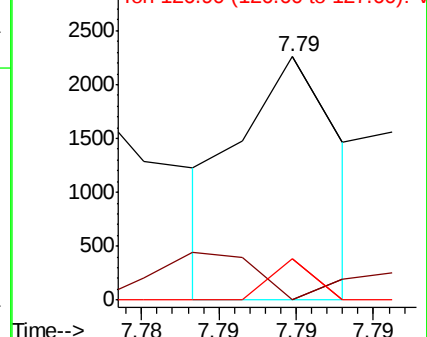
83 100

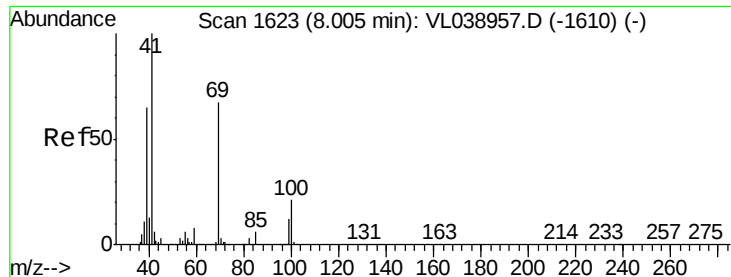
85 0.0 52.0 78.0#

127 36.6 6.0 9.0#



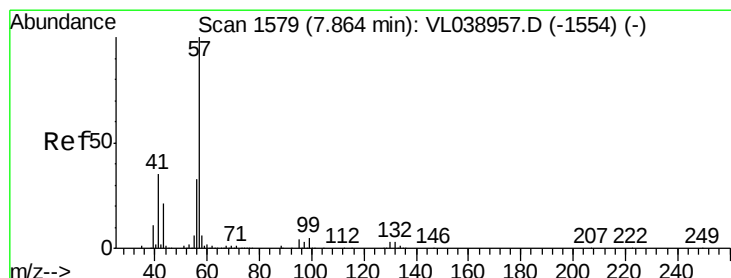
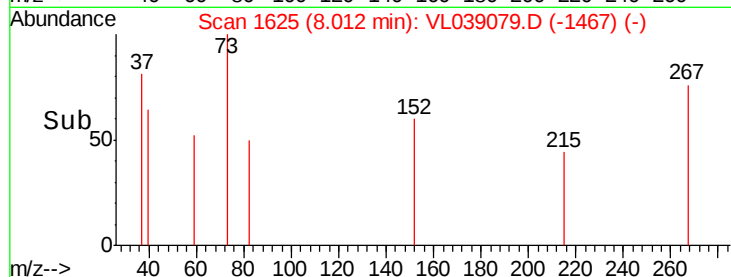
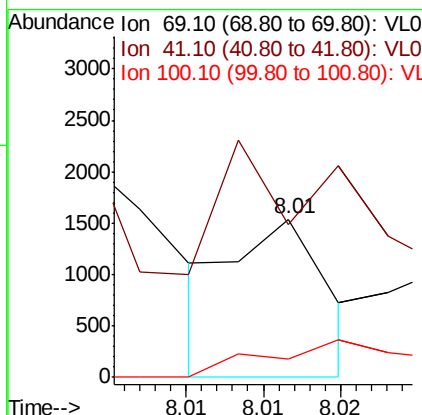
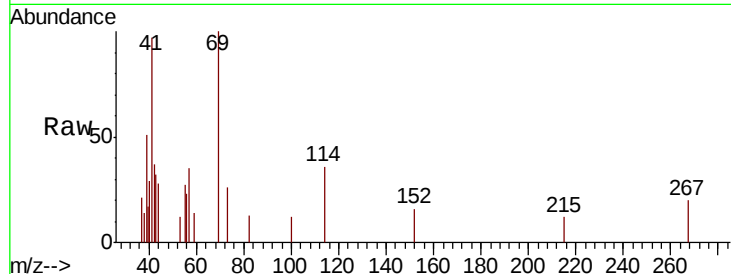
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





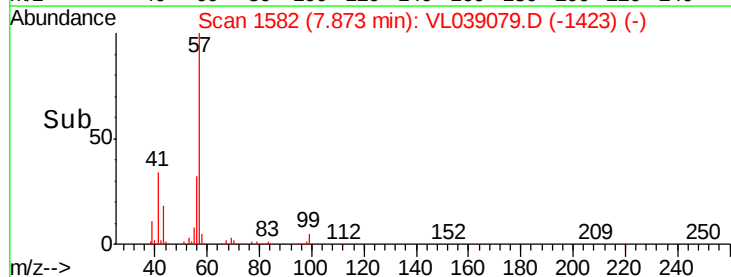
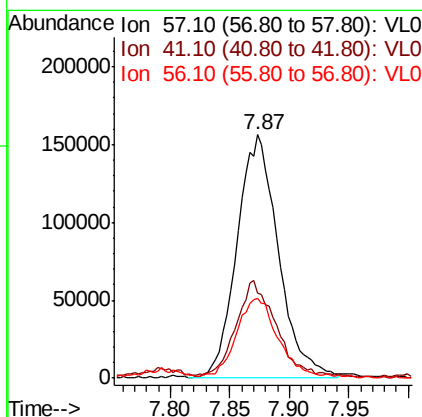
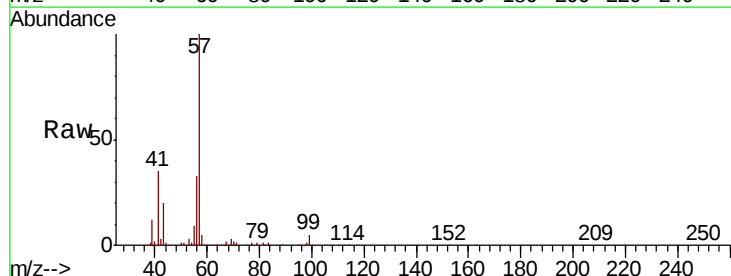
#43
Methvl Methacrvlate
Concen: 0.010 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
1161-8.01-SG-5
Acq: 17 May 2022 21:38

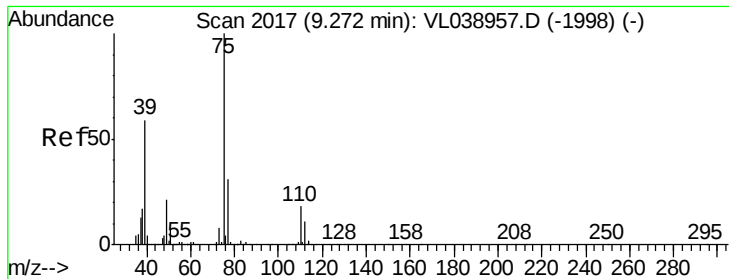
Tot Ion: 69 Resp: 656
Ion Ratio Lower Upper
69 100
41 0.0 121.9 182.9#
100 0.0 24.6 36.8#



#44
2,2,4-Trimethylpentane
Concen: 1.286 ppbv
RT: 7.87 min Scan# 1582
Delta R.T.: 0.01 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

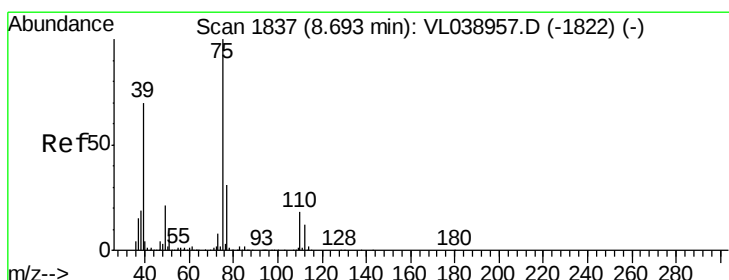
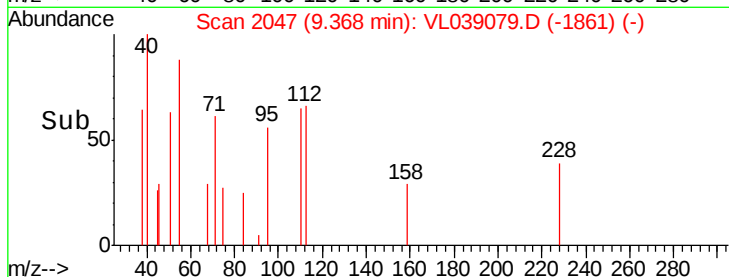
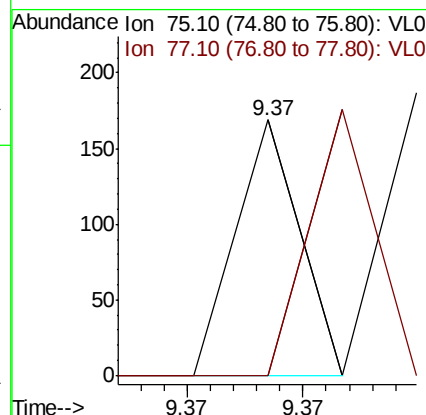
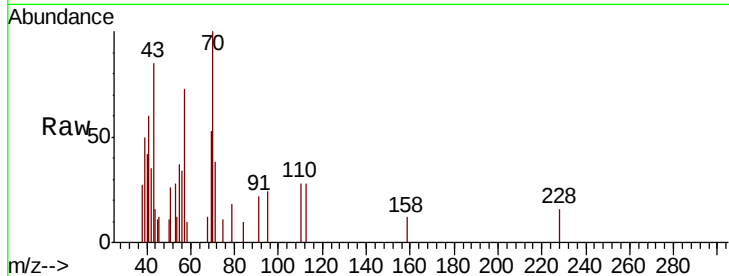
Tgt Ion: 57 Resp: 375090
Ion Ratio Lower Upper
57 100
41 39.6 26.3 39.5#
56 33.5 24.6 37.0





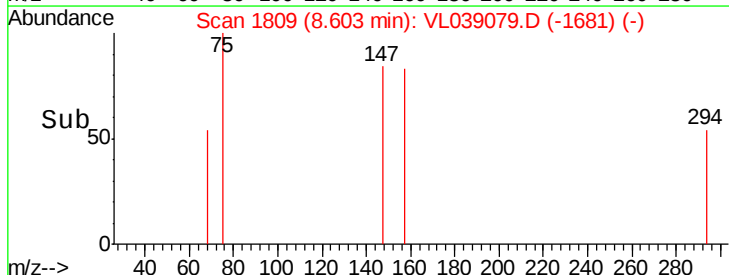
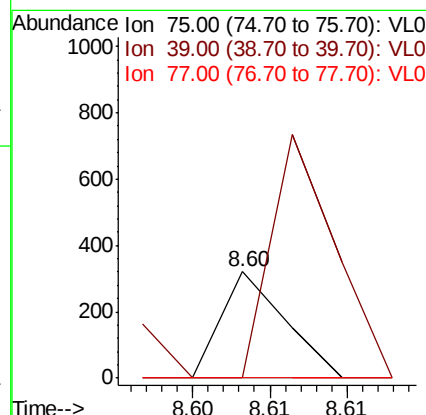
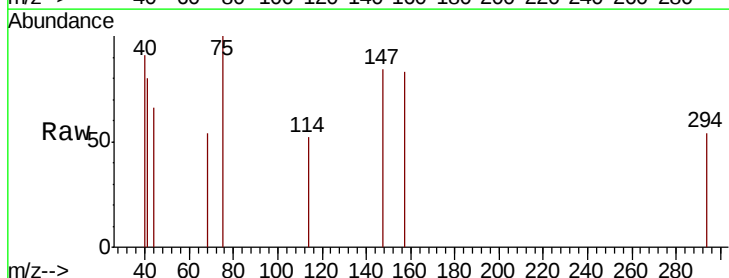
#45
t-1,3-Dichloropropene
Concen: 0.001 ppbv
RT: 9.37 Instrument: MSVOA_1
Delta R.T. ClientSampleId:
Lab File: 1161-8.01-SG-5
Acq: 17 May 2022 21:38

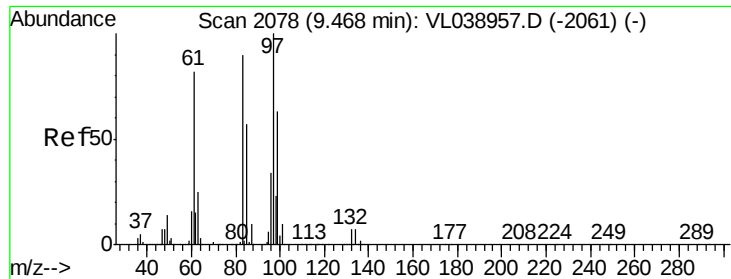
Tot Ion: 75 Resp: 33
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#



#46
cis-1,3-Dichloropropene
Concen: 0.001 ppbv
RT: 8.60 min Scan# 1809
Delta R.T. -0.09 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

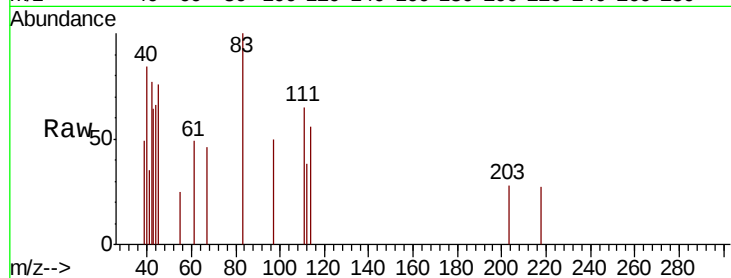
Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
39 0.0 55.8 83.6#
77 0.0 24.8 37.2#



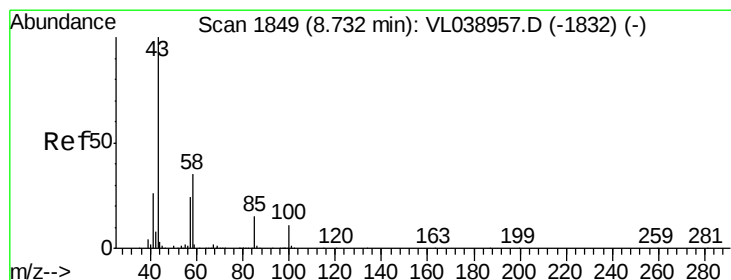
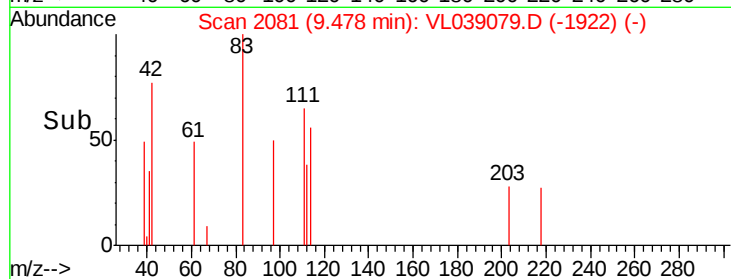
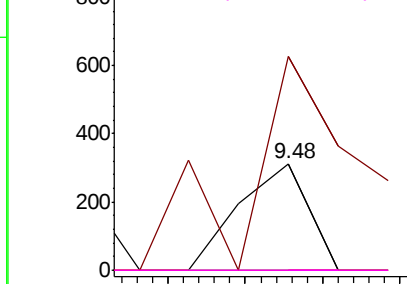


#47
 1,1,2-Trichloroethane
 Concen: 0.001 ppbv
 RT: 9.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

Tot Ion:	97	Resp:	98
Ion	Ratio	Lower	Upper
97	100		
83	96.8	72.0	108.0
85	0.0	45.7	68.5#
99	0.0	50.2	75.4#

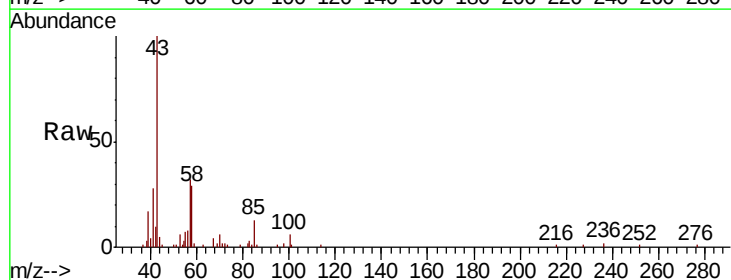


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

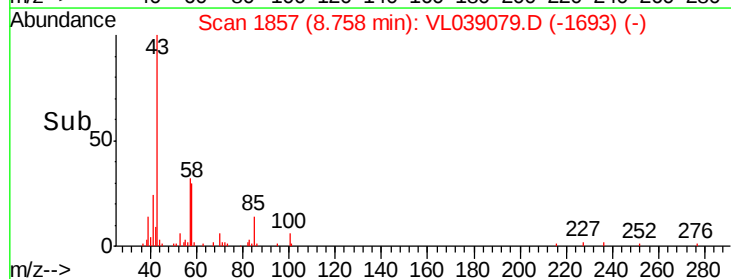
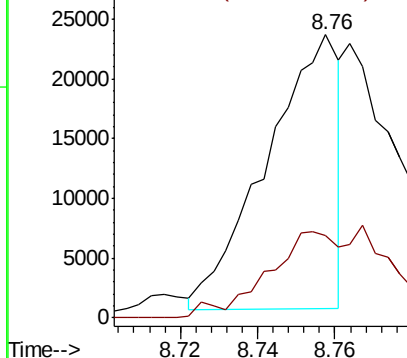


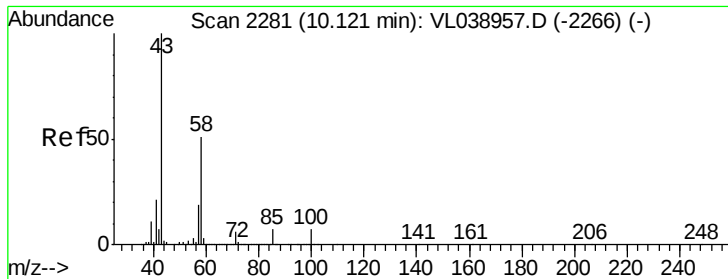
#50
 4-Methyl-2-Pentanone
 Concen: 0.173 ppbv
 RT: 8.76 min Scan# 1857
 Delta R.T. 0.03 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

Tgt Ion:	43	Resp:	30063
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	42.6#



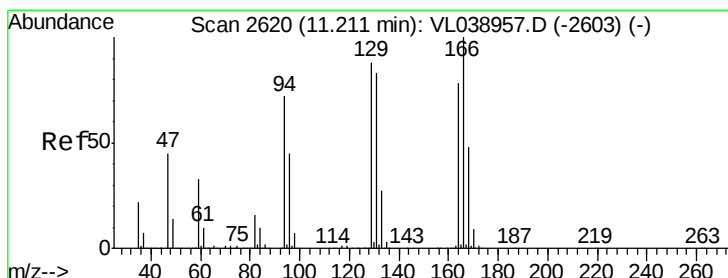
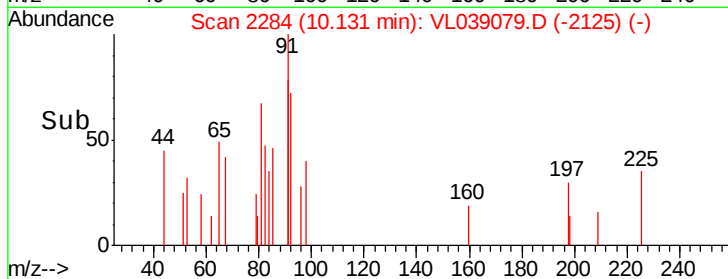
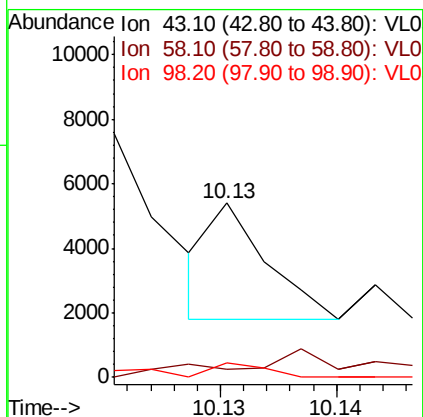
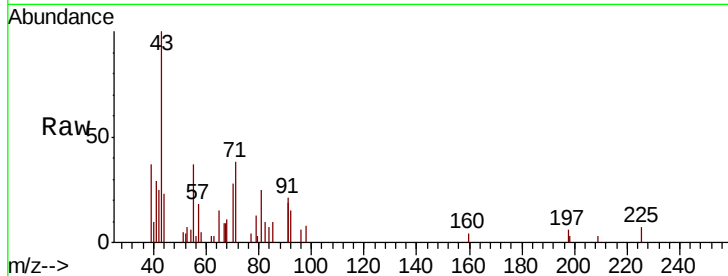
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0





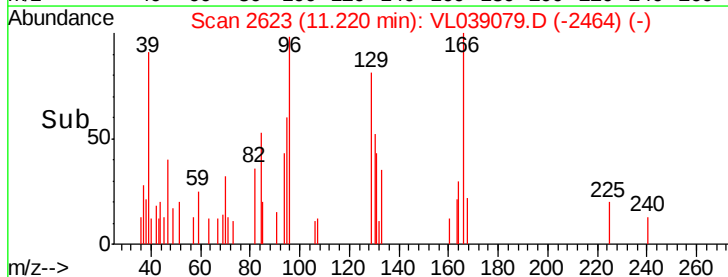
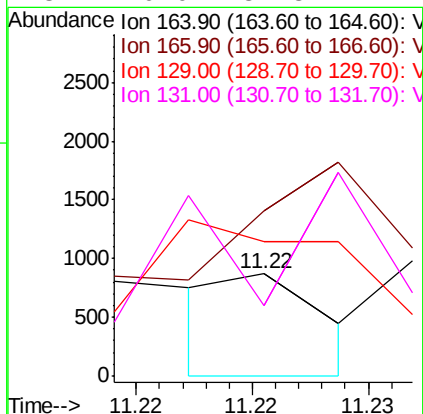
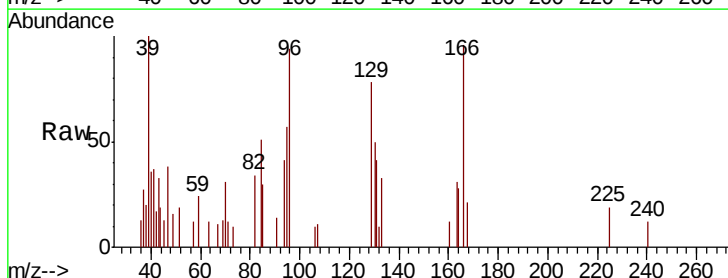
#51
2-Hexanone
Concen: 0.010 ppbv
RT: 10.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampled:
Acq: 17 May 2022 21:38

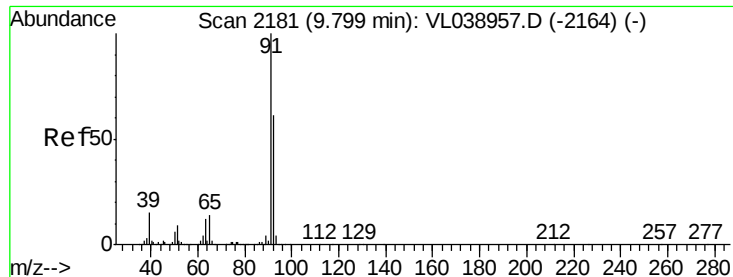
Tot Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
58 0.0 39.3 58.9#
98 32.8 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.004 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.01 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

Tgt Ion: 164 Resp: 255
Ion Ratio Lower Upper
164 100
166 140.0 102.5 153.7
129 0.7 90.1 135.1#
131 0.0 84.8 127.2#





#53

Toluene

Concen: 12.458 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

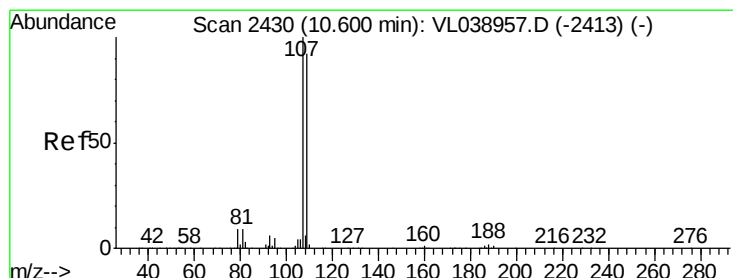
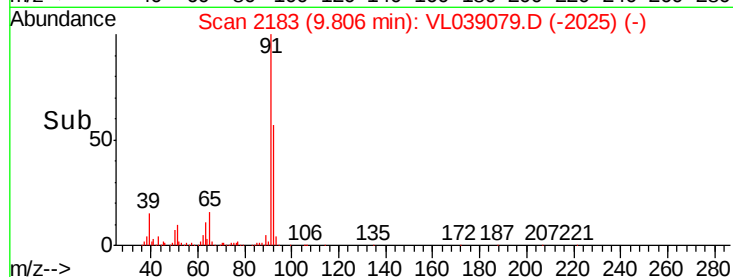
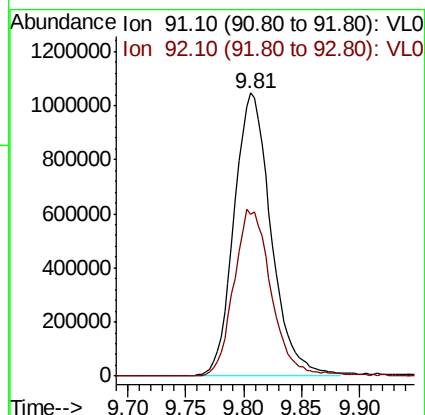
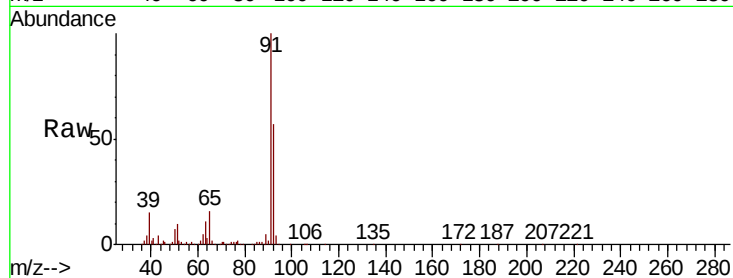
Acq: 17 May 2022 21:38

Tot Ion: 91 Resp: 2320382

Ion Ratio Lower Upper

91 100

92 60.0 48.2 72.2



#54

1,2-Dibromoethane

Concen: 0.002 ppbv

RT: 10.76 min Scan# 2480

Delta R.T. 0.16 min

Lab File: VL039079.D

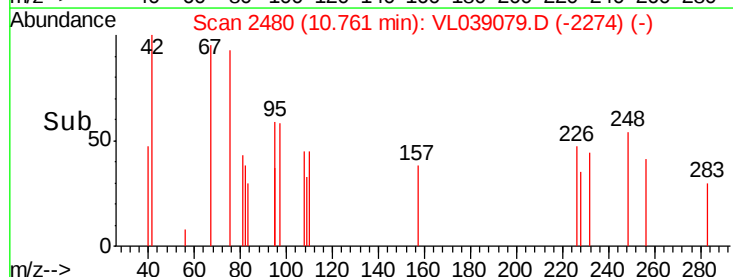
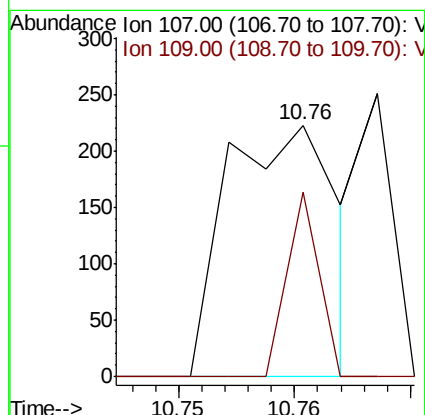
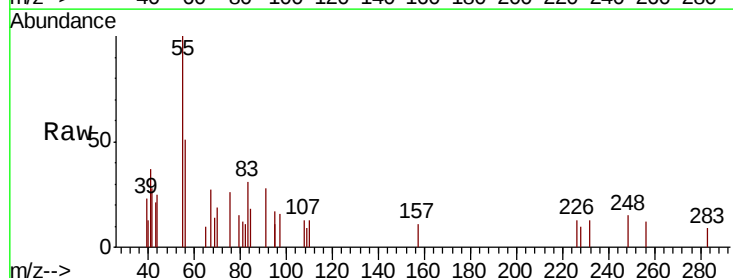
Acq: 17 May 2022 21:38

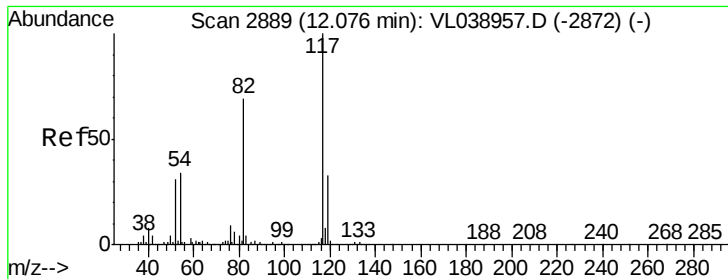
Tgt Ion: 107 Resp: 148

Ion Ratio Lower Upper

107 100

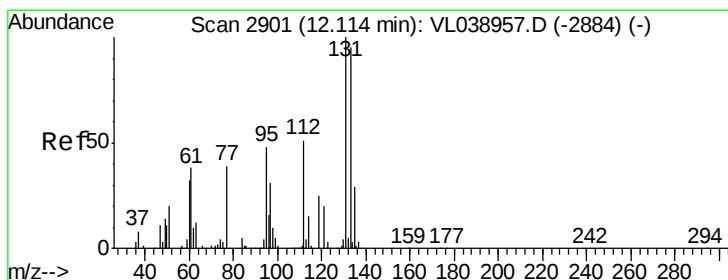
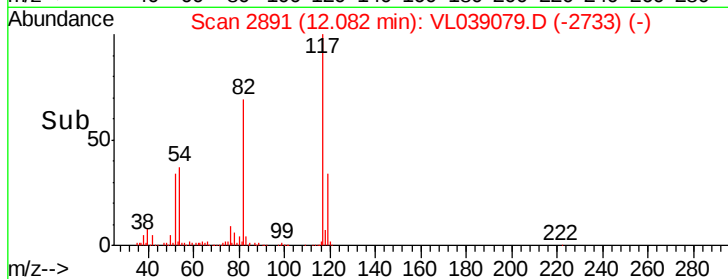
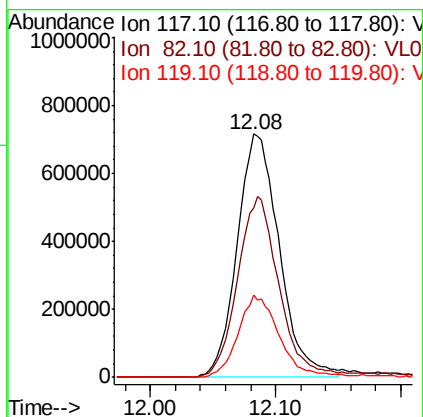
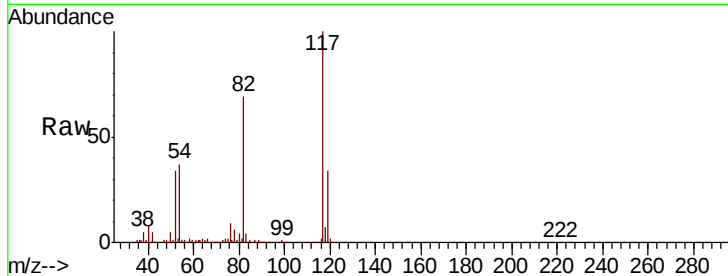
109 73.5 73.8 110.8#





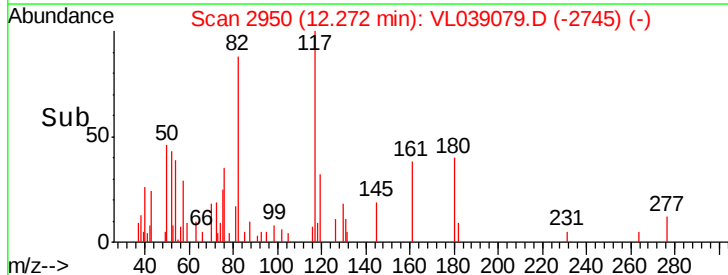
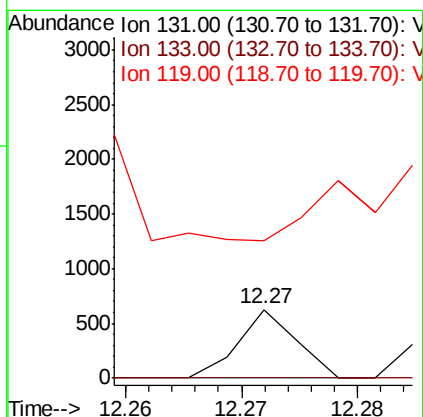
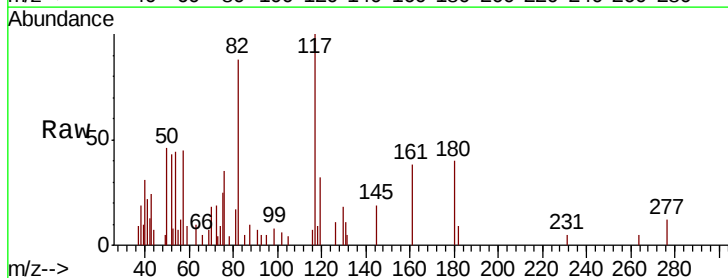
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

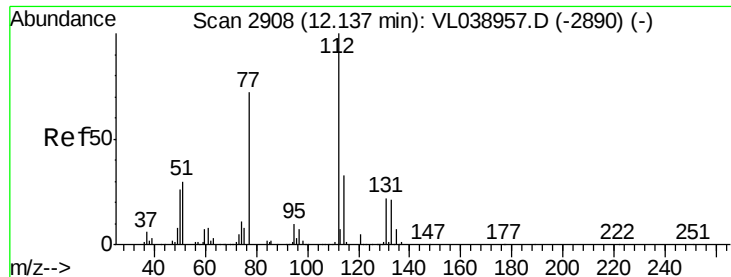
Tot Ion:117 Resp: 1674530
 Ion Ratio Lower Upper
 117 100
 82 73.2 57.0 85.6
 119 33.8 27.2 40.8



#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.003 ppbv
 RT: 12.27 min Scan# 2950
 Delta R.T.: 0.16 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

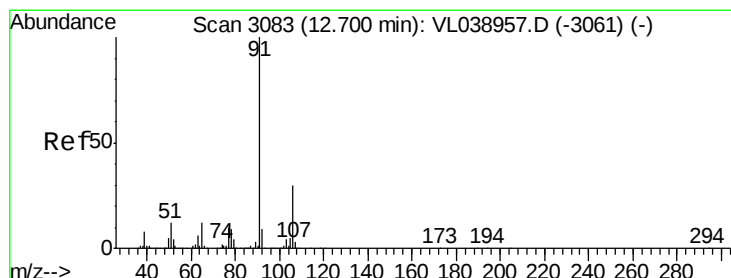
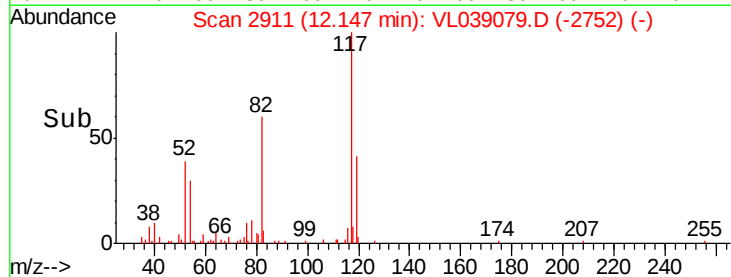
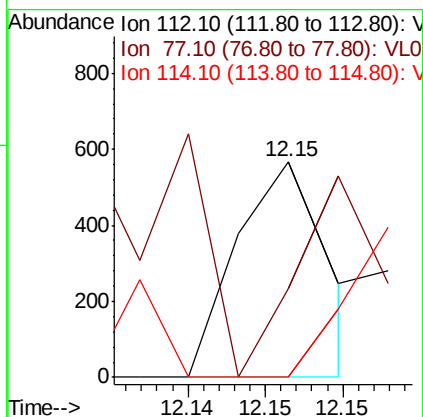
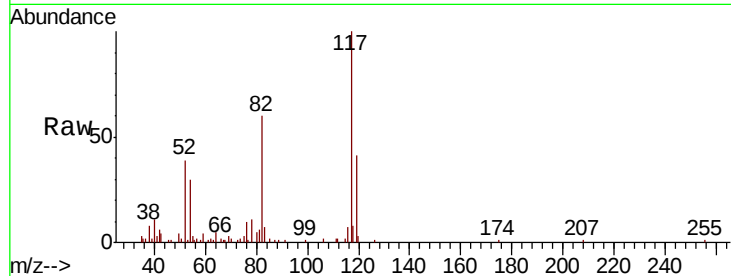
Tgt Ion:131 Resp: 218
 Ion Ratio Lower Upper
 131 100
 133 0.0 76.9 115.3#
 119 257469.7 47.4 71.0#





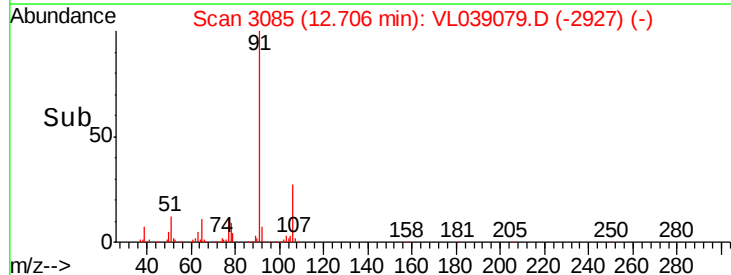
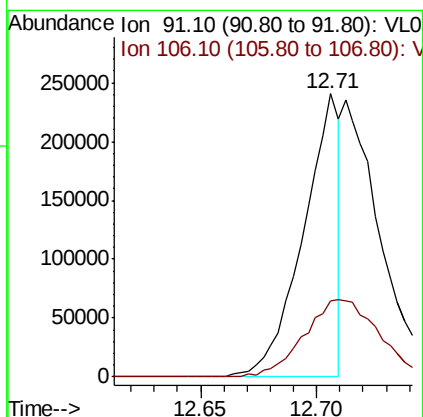
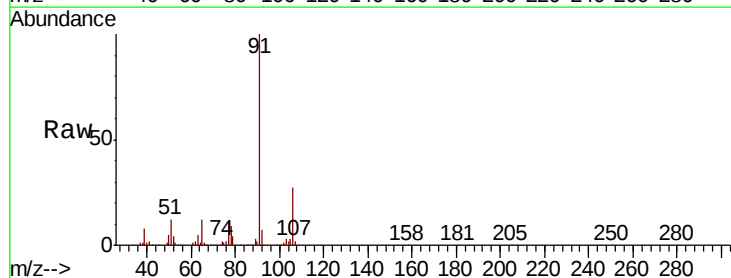
#57
Chlorobenzene
Concen: 0.002 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId: 1161-8.01-SG-5
Acq: 17 May 2022 21:38

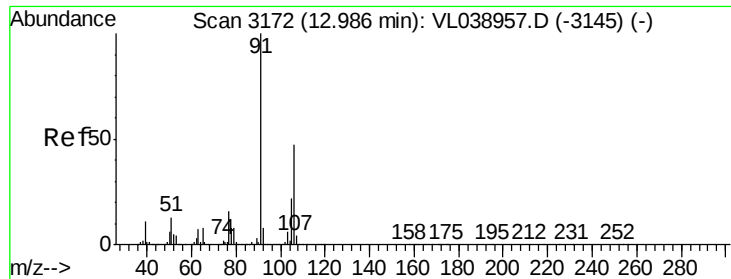
Tot Ion: 112 Resp: 230
Ion Ratio Lower Upper
112 100
77 0.0 57.7 86.5#
114 87.3 30.1 36.7#



#58
Ethyl Benzene
Concen: 1.084 ppbv
RT: 12.71 min Scan# 3085
Delta R.T.: 0.01 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

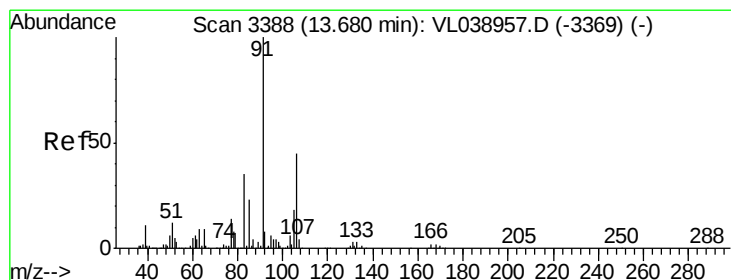
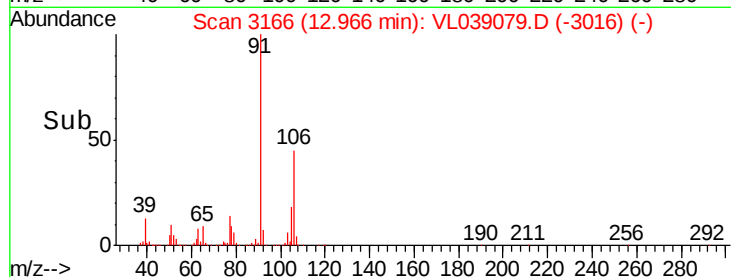
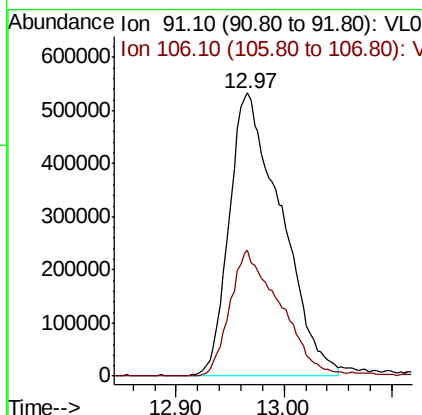
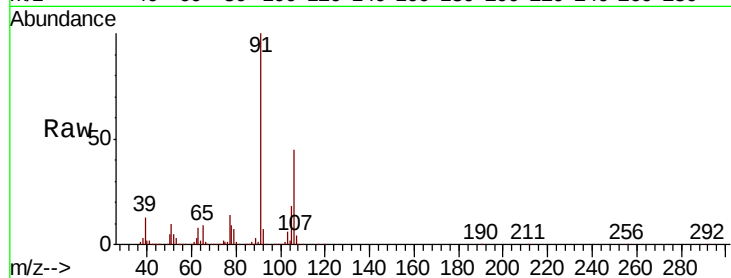
Tgt Ion: 91 Resp: 261185
Ion Ratio Lower Upper
91 100
106 26.8 24.2 36.4





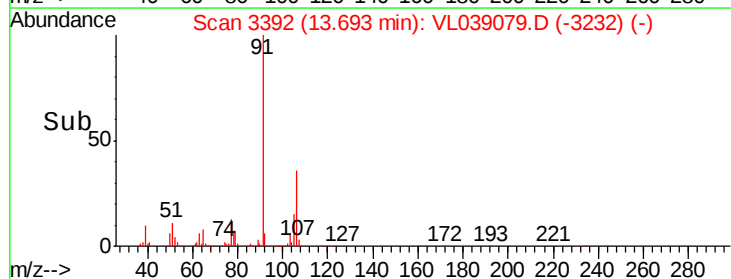
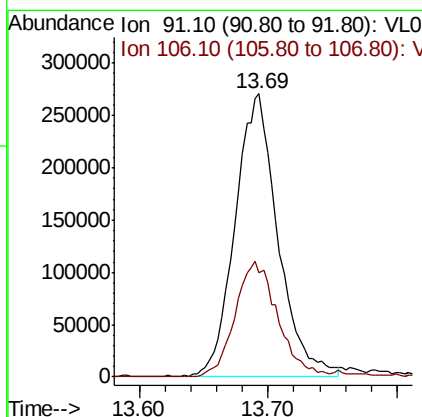
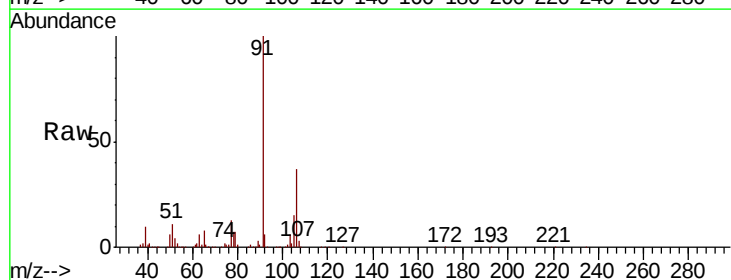
#59
m/p-Xylene
Concen: 8.634 ppbv
RT: 12.97 min
Delta R.T. 0.01 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

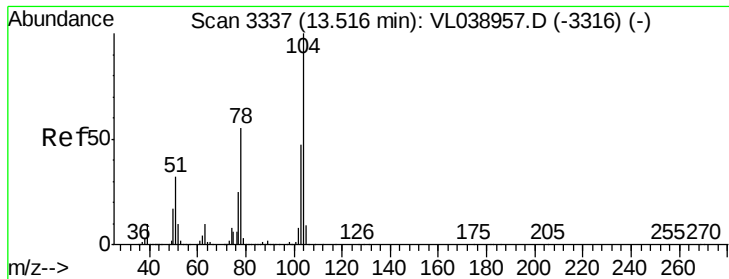
Tot Ion: 91 Resp: 1776313
Ion Ratio Lower Upper
91 100
106 44.1 34.6 52.0



#60
o-Xylene
Concen: 3.195 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL039079.D
Acq: 17 May 2022 21:38

Tgt Ion: 91 Resp: 618649
Ion Ratio Lower Upper
91 100
106 43.1 22.2 66.6





#61

Stvrene

Concen: 0.060 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 21:38

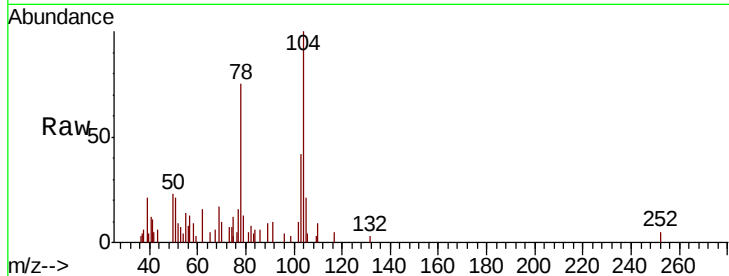
Tot Ion:104 Resp: 6220

Ion Ratio Lower Upper

104 100

78 126.5 46.4 69.6#

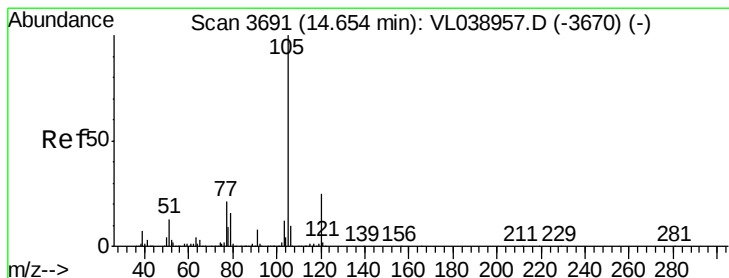
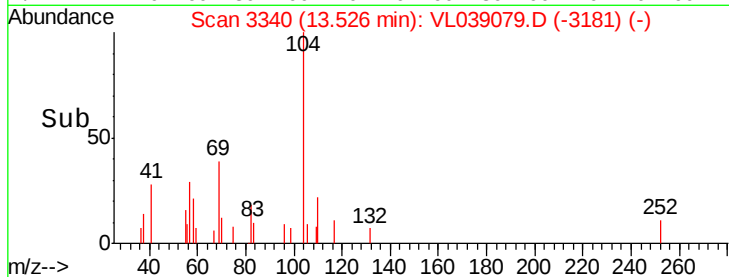
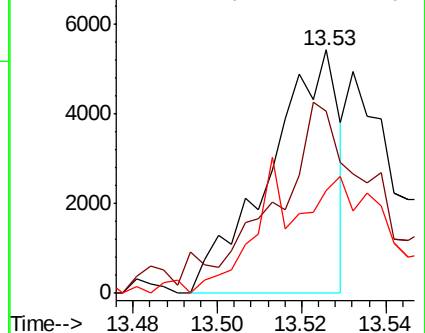
103 93.7 39.3 58.9#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.054 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. 0.01 min

Lab File: VL039079.D

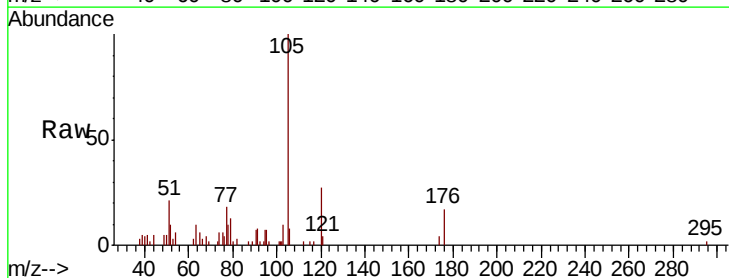
Acq: 17 May 2022 21:38

Tgt Ion:105 Resp: 15198

Ion Ratio Lower Upper

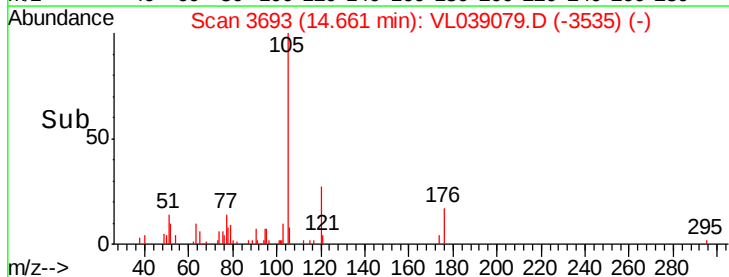
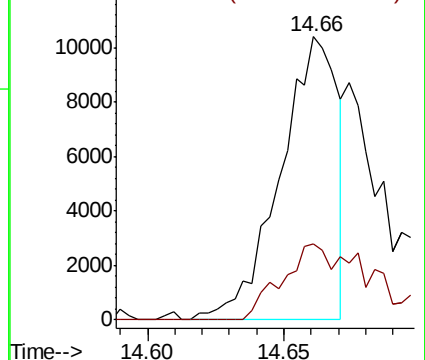
105 100

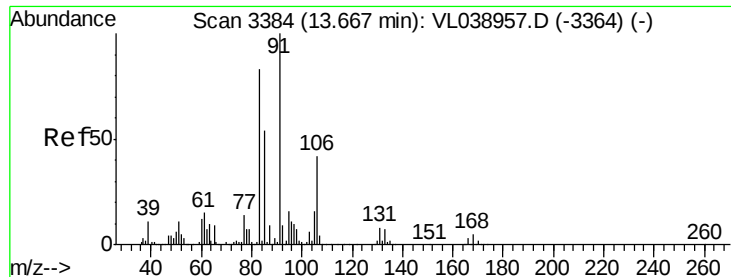
120 41.8 20.5 30.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 13.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 21:38

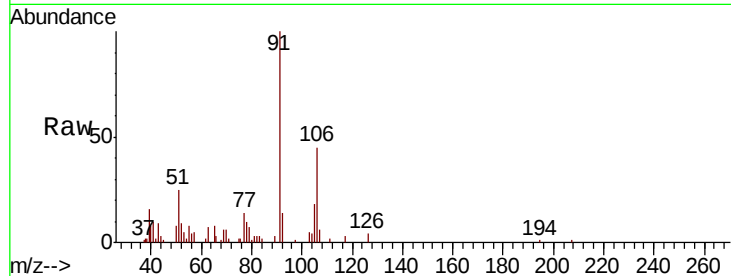
Tot Ion: 83 Resp: 167

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

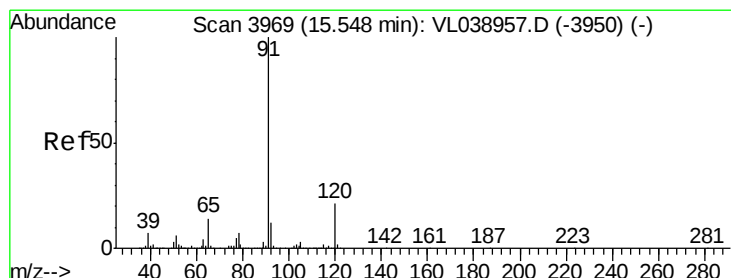
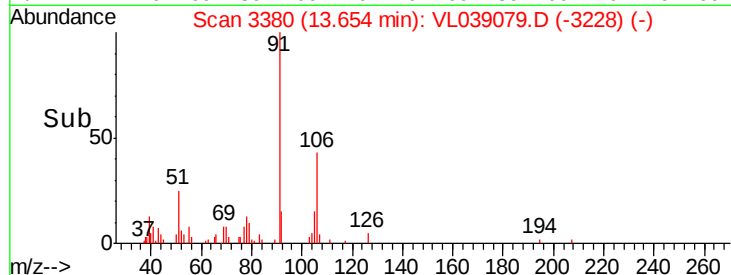
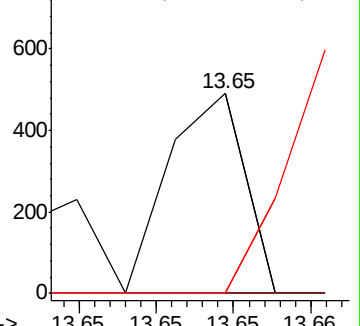
85 394.6 32.8 98.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.196 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.01 min

Lab File: VL039079.D

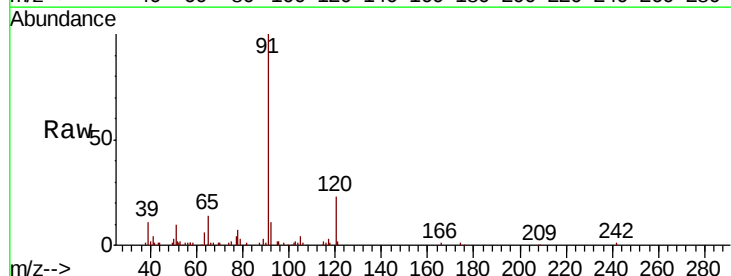
Acq: 17 May 2022 21:38

Tgt Ion: 120 Resp: 13422

Ion Ratio Lower Upper

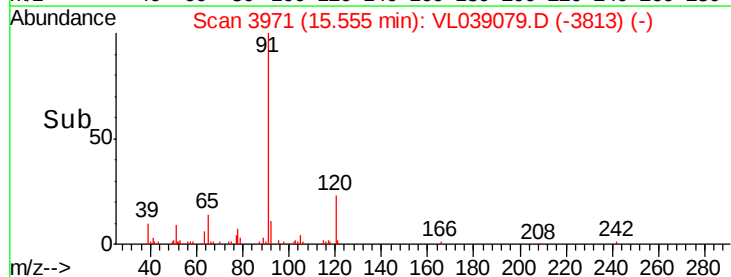
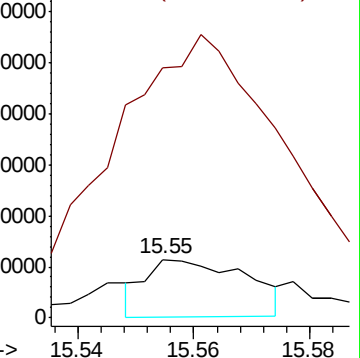
120 100

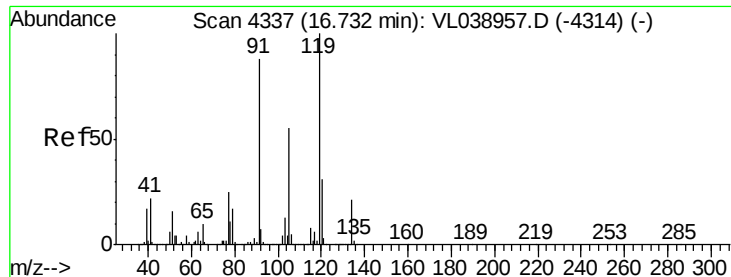
91 1023.8 400.6 601.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.203 ppbv

RT: 16.76

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 21:38

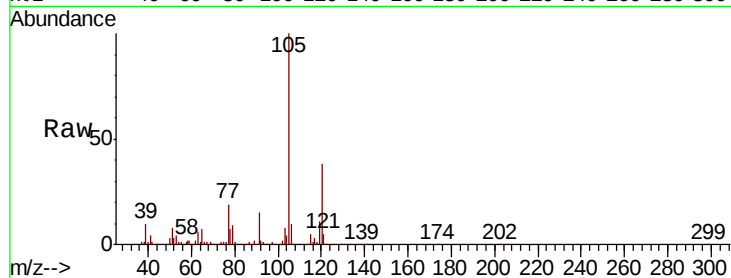
Tot Ion: 119 Resp: 50348

Ion Ratio Lower Upper

119 100

91 138.8 69.4 104.2#

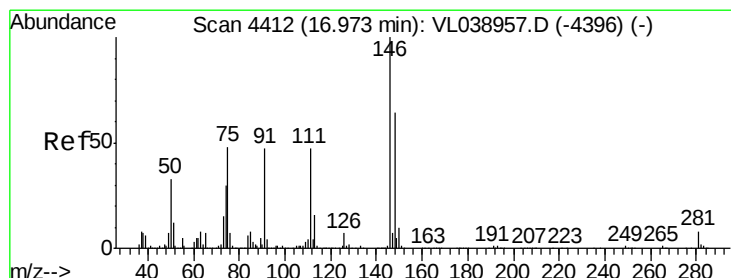
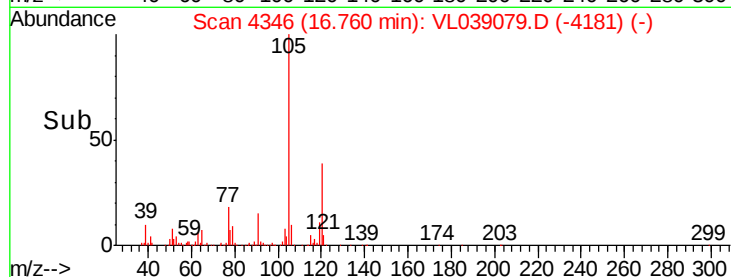
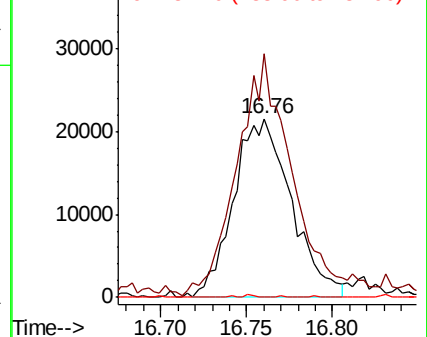
134 0.4 15.8 23.8#



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: 0.025 ppbv

RT: 16.83 min Scan# 4368

Delta R.T. -0.14 min

Lab File: VL039079.D

Acq: 17 May 2022 21:38

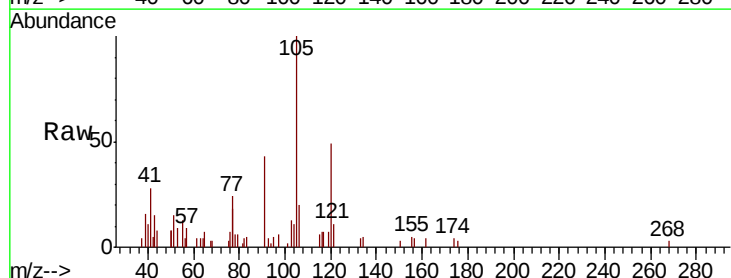
Tgt Ion: 91 Resp: 817

Ion Ratio Lower Upper

91 100

126 17.3 11.8 17.6

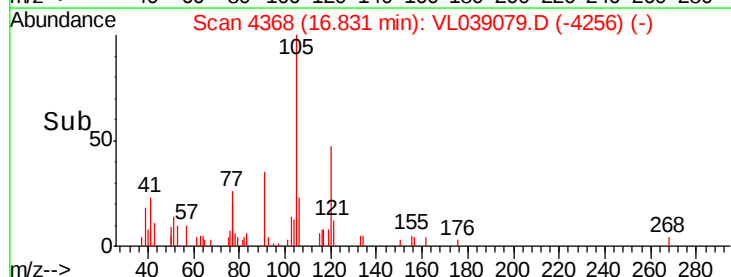
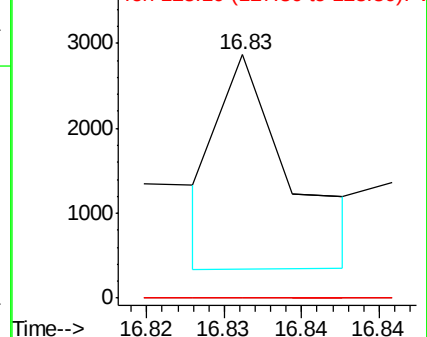
128 0.0 4.2 6.2#

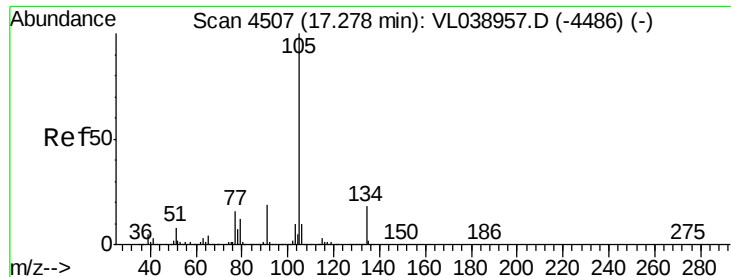


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.004 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

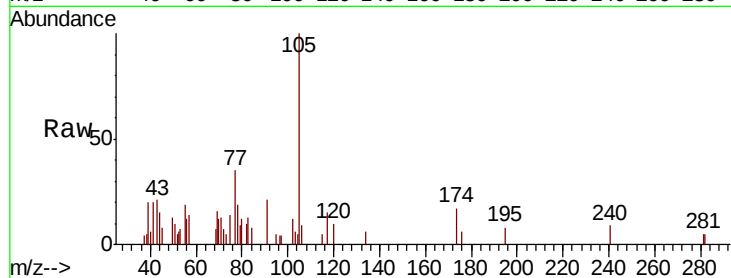
Acq: 17 May 2022 21:38

Tot Ion: 105 Resp: 1529

Ion Ratio Lower Upper

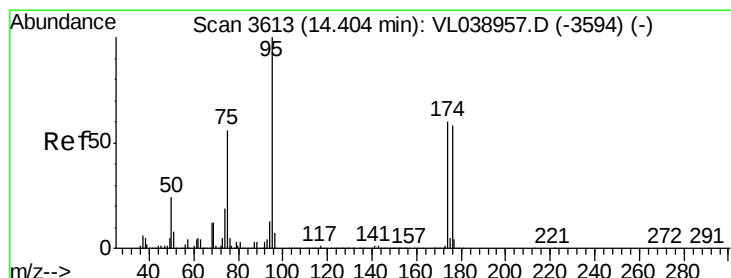
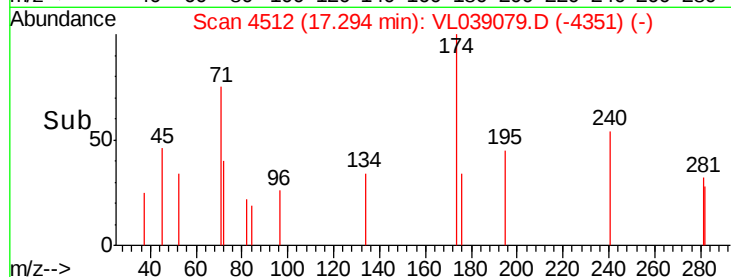
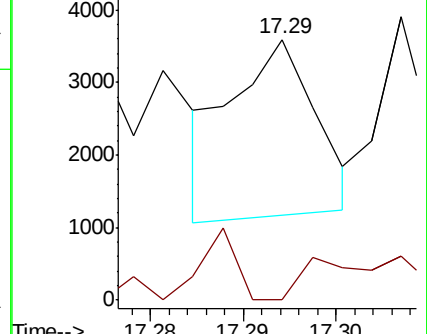
105 100

134 57.5 14.2 21.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.672 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.01 min

Lab File: VL039079.D

Acq: 17 May 2022 21:38

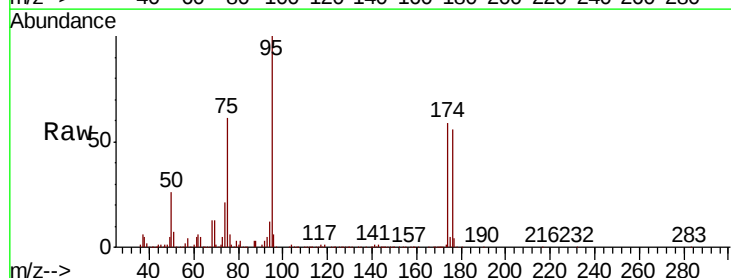
Tgt Ion: 95 Resp: 1415292

Ion Ratio Lower Upper

95 100

174 63.3 50.8 76.2

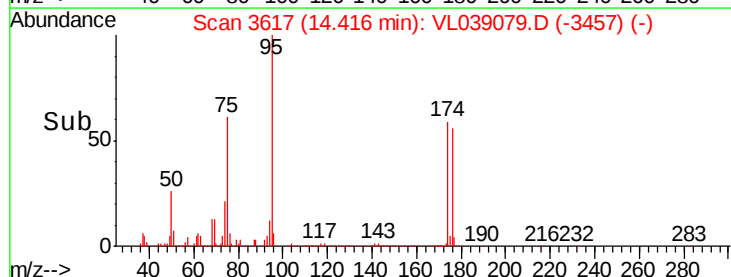
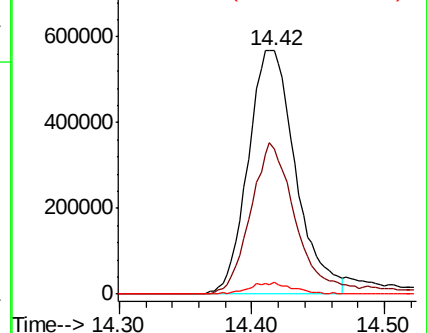
175 4.7 3.8 5.6

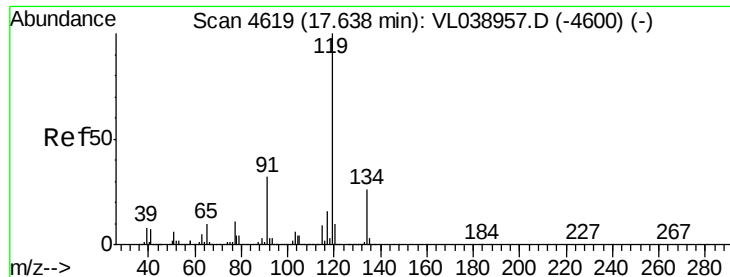


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

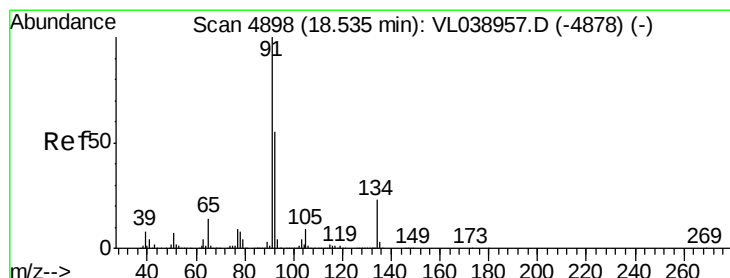
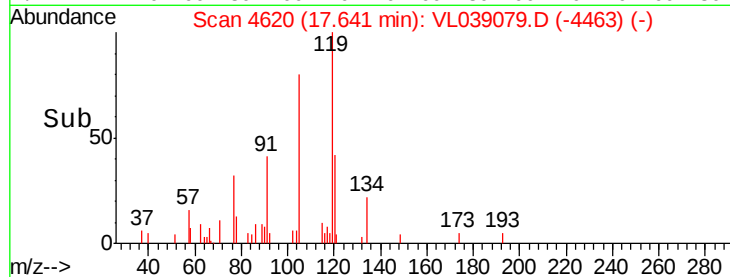
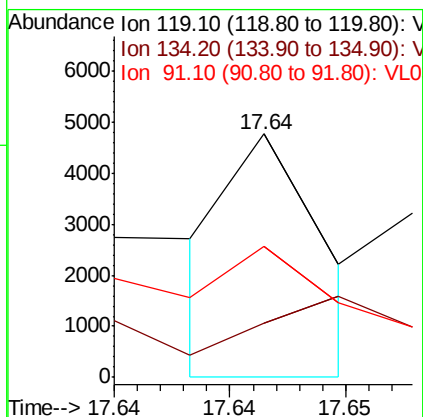
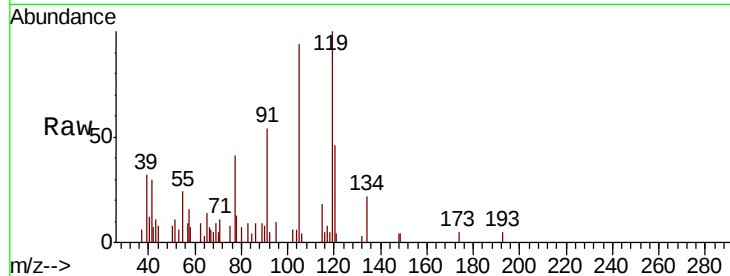
Ion 175.00 (174.70 to 175.70): V





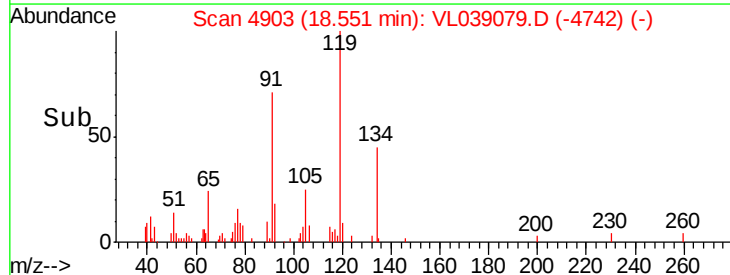
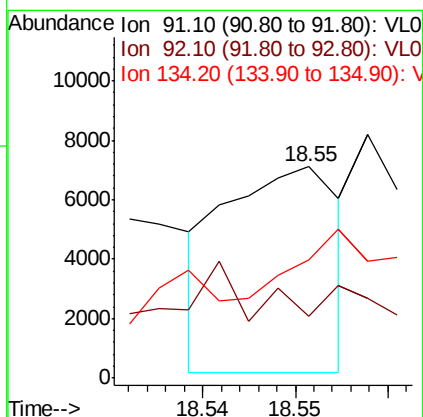
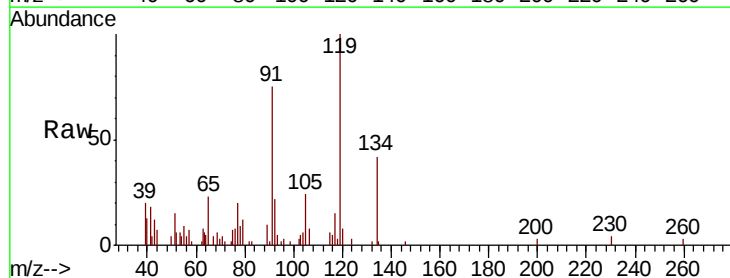
#69
 p-Isopropyltoluene
 Concen: 0.005 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.: 0.02 min
 Lab File: ClientSampleId: 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

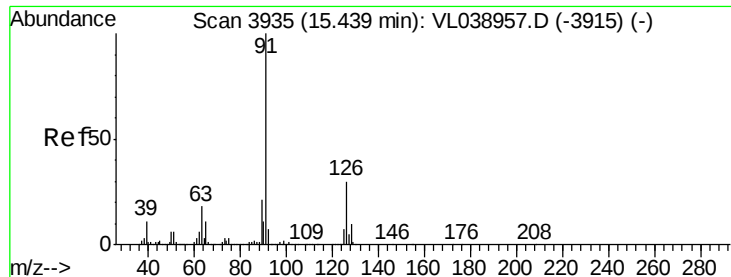
Tot Ion	Ratio	Lower	Upper
119	100		
134	205.0	20.0	30.0#
91	0.0	24.8	37.2#



#70
 n-Butylbenzene
 Concen: 0.020 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T.: 0.02 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

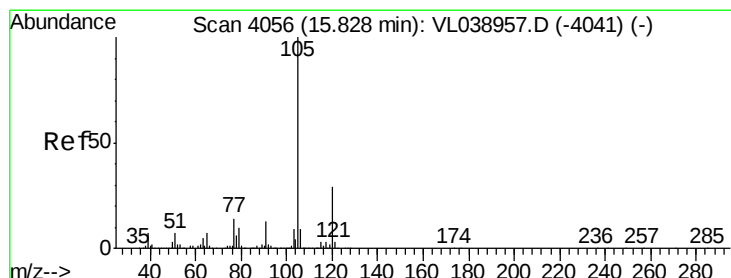
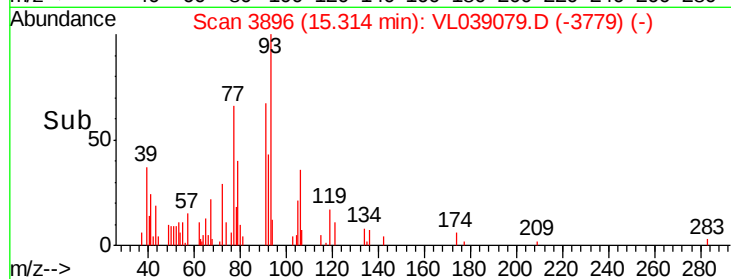
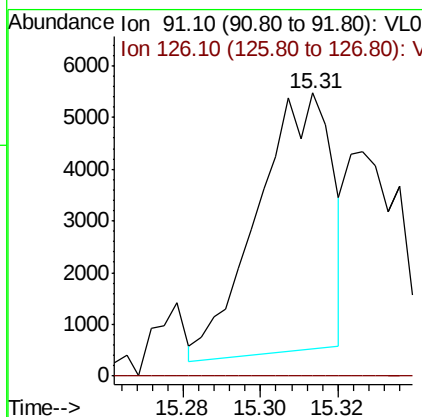
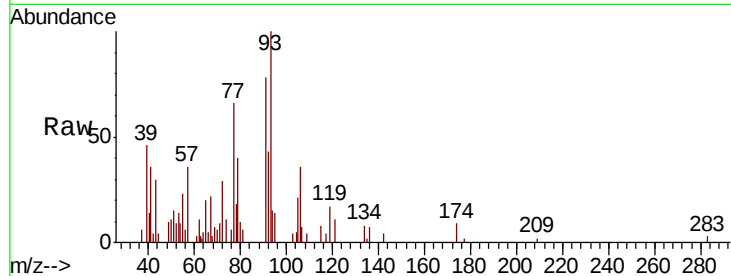
Tgt Ion	Ratio	Lower	Upper
91	100		
92	167.0	43.1	64.7#
134	0.0	17.0	25.4#





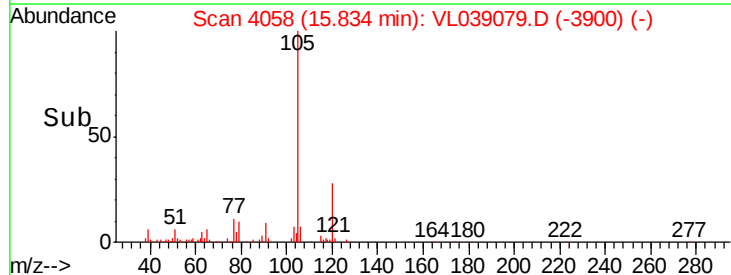
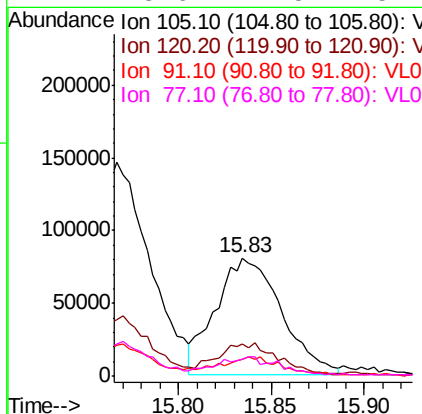
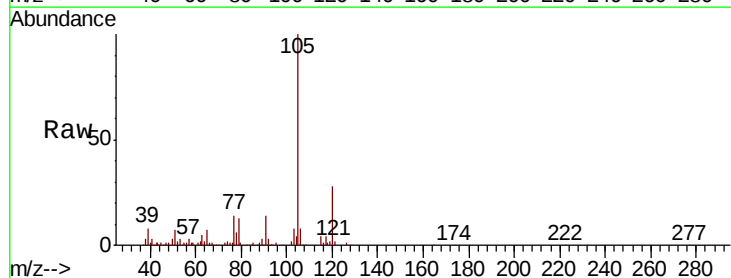
#71
 2-Chlorotoluene
 Concen: 0.030 ppbv
 RT: 15.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

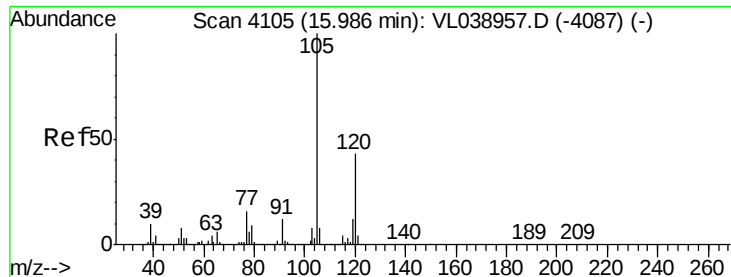
Tot Ion: 91 Resp: 6656
 Ion Ratio Lower Upper
 91 100
 126 16.5 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 0.901 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. 0.01 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

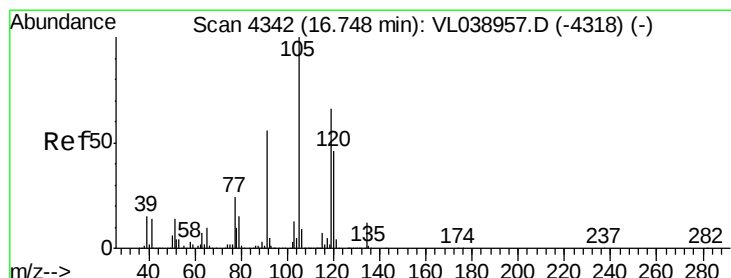
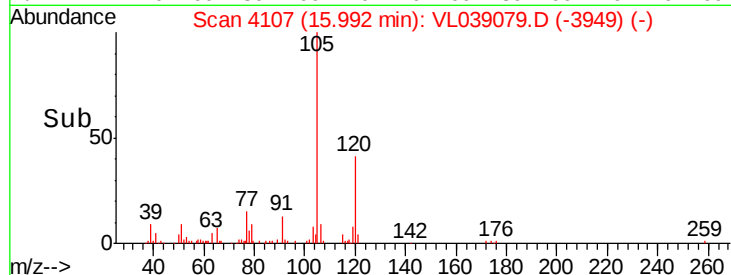
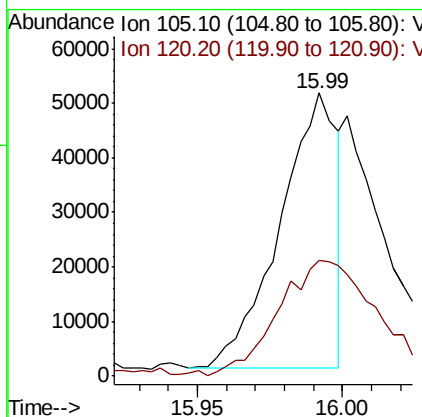
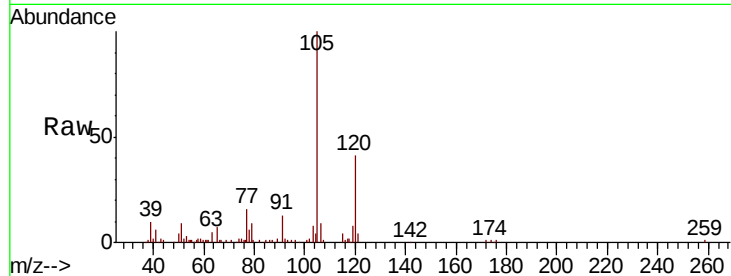
Tgt Ion:105 Resp: 198728
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.4 35.0
 91 15.4 10.6 16.0
 77 15.6 12.5 18.7





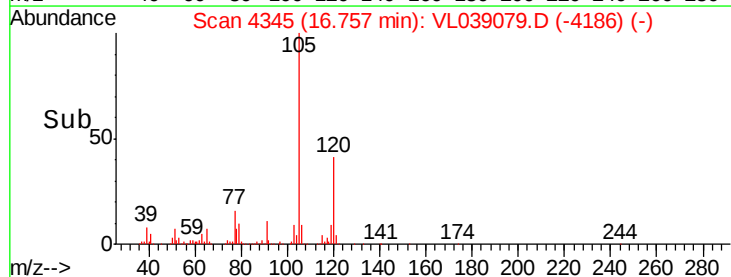
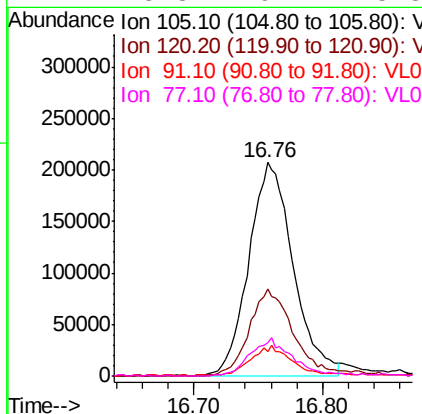
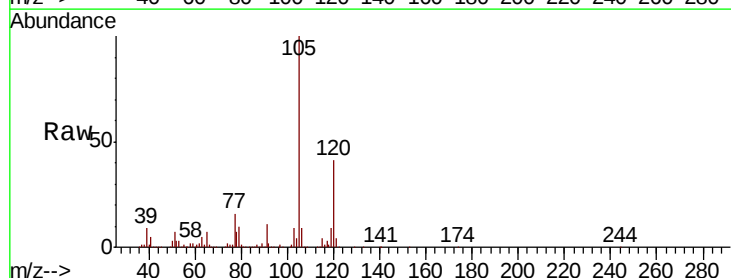
#73
 1,3,5-Trimethylbenzene
 Concen: 0.347 ppbv
 RT: 15.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

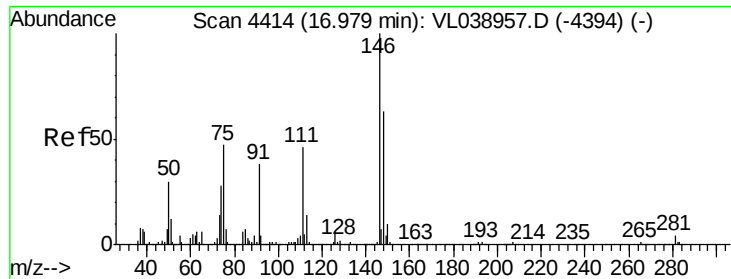
Tot Ion:105 Resp: 68878
 Ion Ratio Lower Upper
 105 100
 120 40.8 34.4 51.6



#74
 1,2,4-Trimethylbenzene
 Concen: 2.277 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T.: 0.01 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

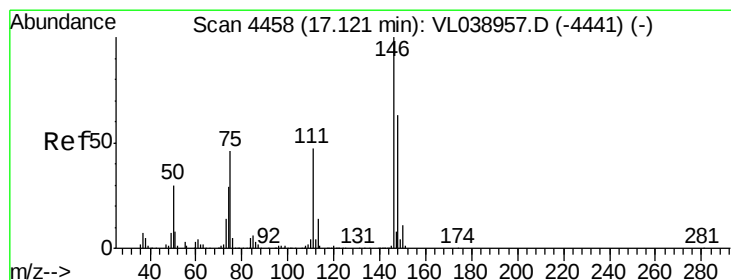
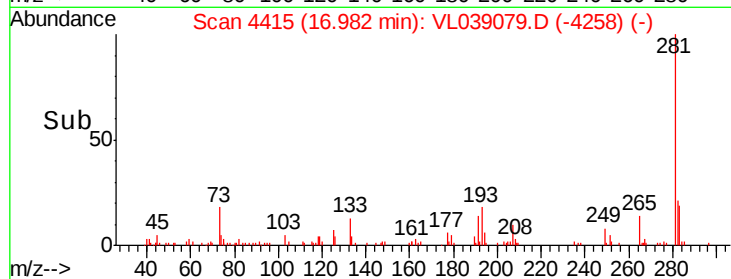
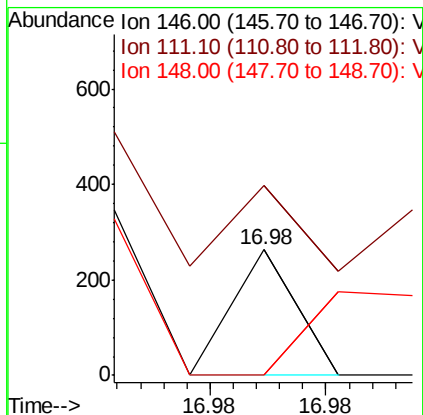
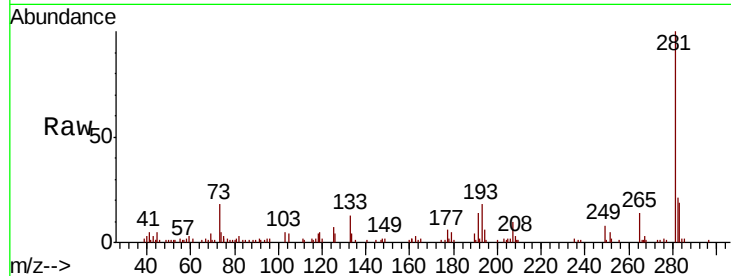
Tgt Ion:105 Resp: 495296
 Ion Ratio Lower Upper
 105 100
 120 40.8 36.9 55.3
 91 11.1 45.0 67.4#
 77 15.8 19.2 28.8#





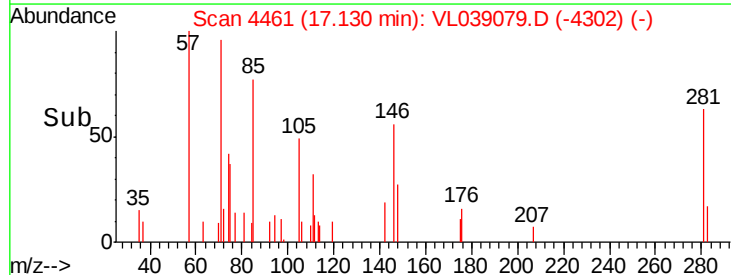
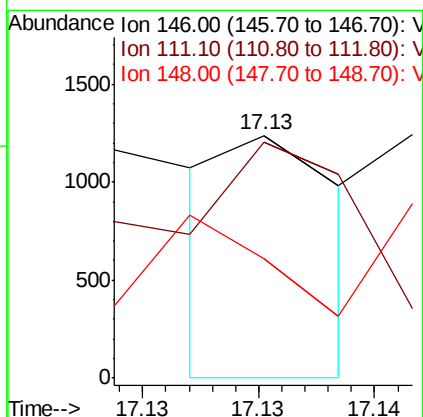
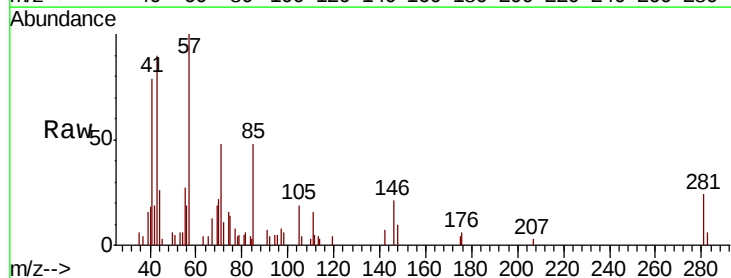
#75
 1,3-Dichlorobenzene
 Concen: 0.000 ppbv
 RT: 16.98 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 1161-8.01-SG-5
 Acq: 17 May 2022 21:38

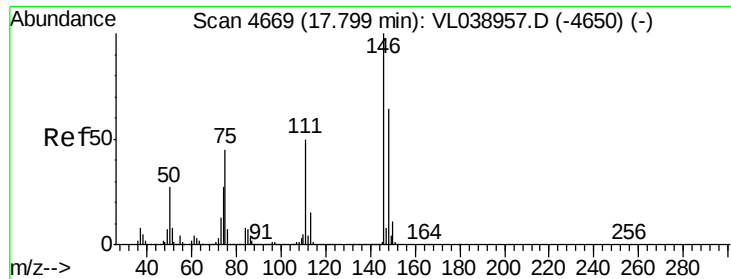
Tot Ion:146 Resp: 51
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.1 72.2#
 148 0.0 32.4 97.2#



#76
 1,4-Dichlorobenzene
 Concen: 0.004 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.01 min
 Lab File: VL039079.D
 Acq: 17 May 2022 21:38

Tgt Ion:146 Resp: 428
 Ion Ratio Lower Upper
 146 100
 111 534.8 23.6 71.0#
 148 0.0 32.2 96.6#





#77

1,2-Dichlorobenzene

Concen: 0.001 ppbv

RT: 17.81 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 21:38

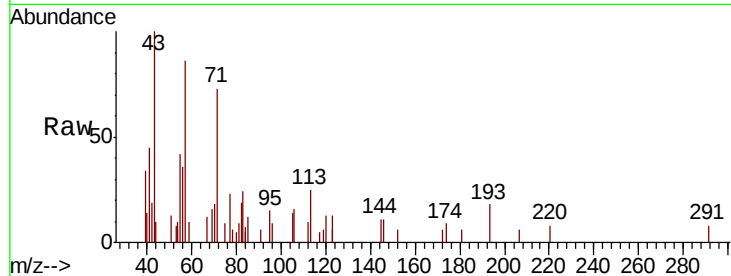
Tot Ion:146 Resp: 101

Ion Ratio Lower Upper

146 100

111 309.9 25.3 75.9#

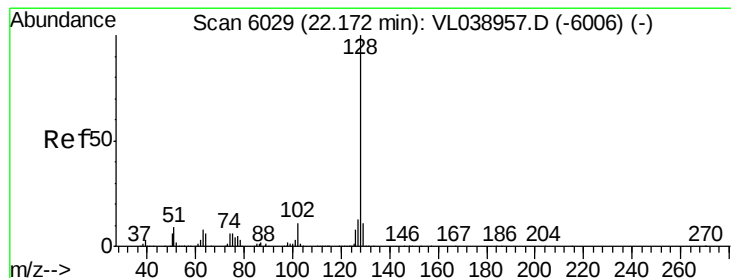
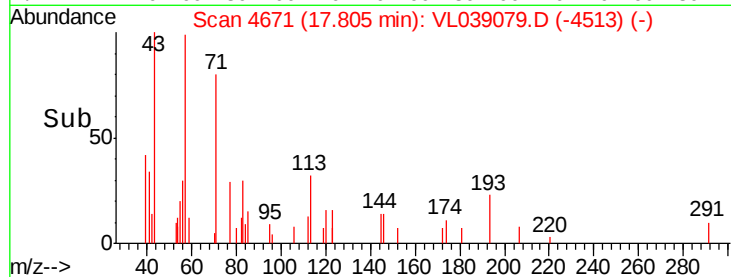
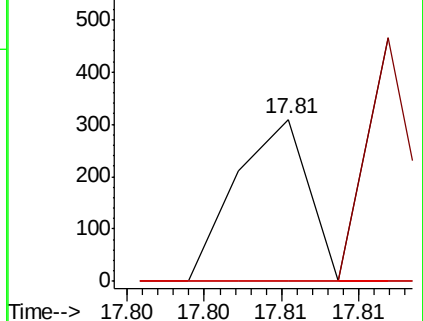
148 0.0 32.3 96.9#



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



#79

Naphthalene

Concen: 0.061 ppbv

RT: 22.18 min Scan# 6033

Delta R.T. 0.01 min

Lab File: VL039079.D

Acq: 17 May 2022 21:38

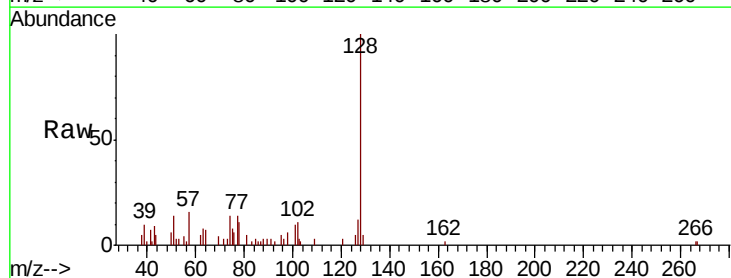
Tgt Ion:128 Resp: 10848

Ion Ratio Lower Upper

128 100

127 11.6 10.2 15.2

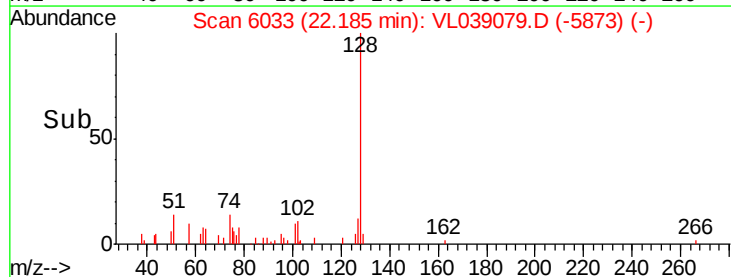
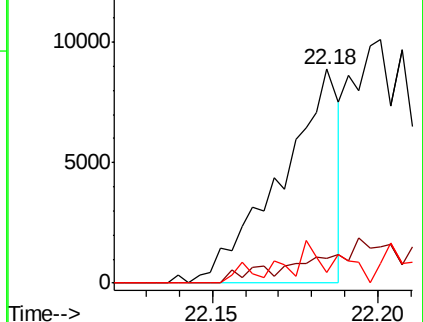
129 5.2 8.9 13.3#

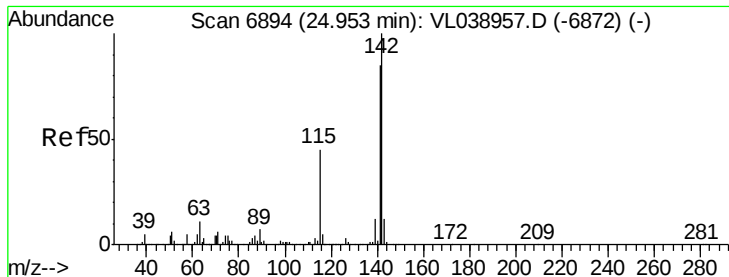


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.057 ppbv

RT: 24.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 21:38

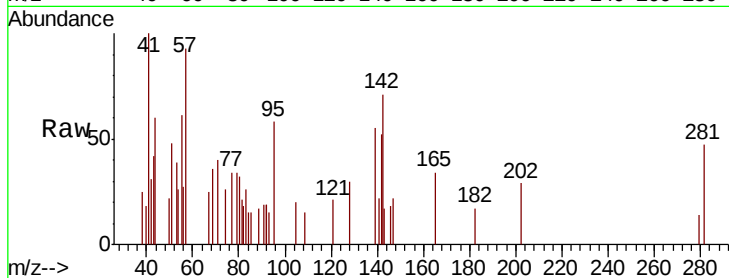
Tot Ion: 142 Resp: 3035

Ion Ratio Lower Upper

142 100

141 31.6 70.8 106.2#

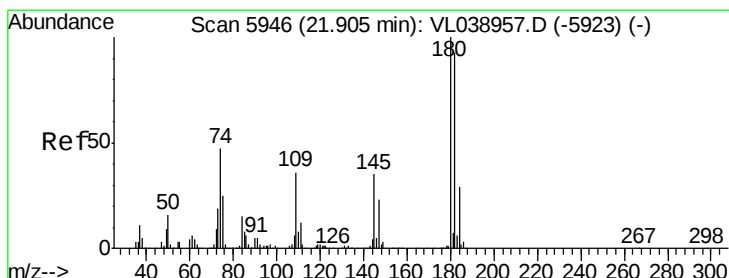
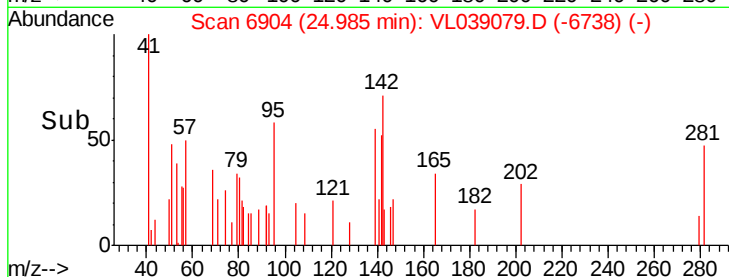
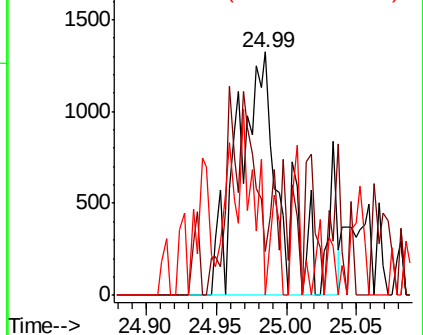
115 13.5 35.1 52.7#



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: 0.003 ppbv

RT: 21.93 min Scan# 5954

Delta R.T. 0.03 min

Lab File: VL039079.D

Acq: 17 May 2022 21:38

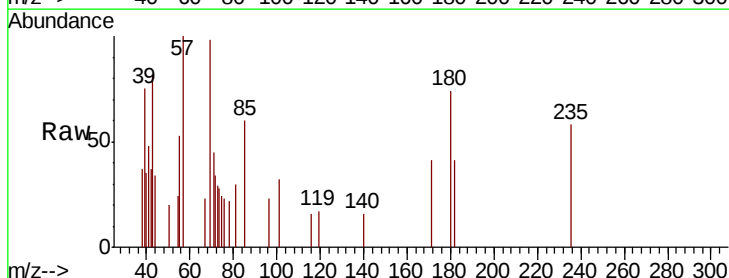
Tgt Ion: 180 Resp: 286

Ion Ratio Lower Upper

180 100

182 37.4 78.4 117.6#

184 15.0 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

