

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
 Data File : VL039073.D
 Acq On : 17 May 2022 17:38
 Operator : SY/AP
 Sample : N2812-01DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: May 18 01:49:21 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	5.68	49	782926	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	1892463	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	1565141	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1299001	10.48	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	2128	0.017 ppbv	95
3) Chlorodifluoromethane	2.98	51	9728	0.100 ppbv #	65
4) Chloromethane	3.15	50	1686	0.035 ppbv #	78
5) Vinyl Chloride	3.03	62	79	0.002 ppbv #	1
6) Bromomethane	3.47	94	78	0.004 ppbv #	1
7) Chloroethane	3.47	64	71	0.005 ppbv #	45
8) Dichlorotetrafluoroethane	3.13	85	98	0.001 ppbv #	16
9) Propene	3.10	41	308	0.007 ppbv	89
10) Heptane	8.14	43	440	0.004 ppbv #	27
11) Trichlorofluoromethane	3.97	101	1071	0.010 ppbv #	31
12) 1,1,2-Trichlorotrifluoroet	4.50	101	111	0.002 ppbv #	1
13) Ethanol	3.61	45	686594	228.679 ppbv	94
15) Acetone	3.87	43	34923	0.473 ppbv #	68
16) 1,3-Butadiene	3.33	39	229	0.005 ppbv #	35
17) tert-Butyl alcohol	4.31	59	837	0.015 ppbv #	47
18) 1,1-Dichloroethene	4.28	96	107	0.003 ppbv #	7
19) Isopropyl Alcohol	3.98	45	124800	3.554 ppbv #	94
20) Methylene Chloride	4.36	84	42579	1.530 ppbv	93
21) Allvl Chloride	4.43	41	364	0.007 ppbv #	32
22) trans-1,2-Dichloroethene	5.01	96	58	0.002 ppbv #	26
23) Vinyl Acetate	5.08	43	562	0.010 ppbv #	1
24) 1,1-Dichloroethane	5.02	63	93	0.001 ppbv #	89
25) Ethyl Acetate	5.70	43	33955	0.192 ppbv #	77
26) Hexane	5.70	57	47482	0.605 ppbv #	39
27) Carbon Disulfide	4.43	76	89	0.001 ppbv #	1
28) Methyl tert-Butyl Ether	5.12	73	129	0.002 ppbv #	1
29) Chloroform	5.77	83	2101	0.017 ppbv #	18
30) Cyclohexane	7.14	84	404	0.006 ppbv #	3
31) cis-1,2-Dichloroethene	5.57	61	279	0.003 ppbv #	32
34) 2-Butanone	5.27	43	11213	0.116 ppbv	97
35) Carbon Tetrachloride	7.03	117	250	0.002 ppbv #	51
36) Benzene	6.90	78	659	0.004 ppbv #	48
37) 1,2-Dichloroethane	6.31	62	172	0.002 ppbv #	83
38) Trichloroethene	7.85	130	143	0.002 ppbv #	5
39) 1,2-Dichloropropane	7.24	63	7768	0.123 ppbv #	18
40) 1,4-Dioxane	7.83	88	69	0.003 ppbv #	1
41) Tetrahydrofuran	6.07	42	409	0.006 ppbv #	1
42) Bromodichloromethane	7.80	83	416	0.003 ppbv #	24
43) Methyl Methacrylate	7.95	69	100	0.002 ppbv #	42
44) 2,2,4-Trimethylpentane	7.88	57	1012	0.004 ppbv #	43
45) t-1,3-Dichloropropene	9.60	75	71	0.001 ppbv #	44

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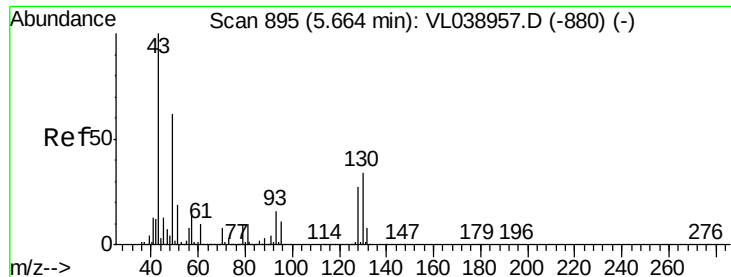
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: May 18 01:49:21 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

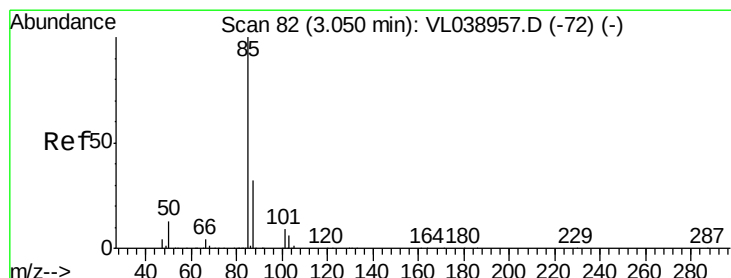
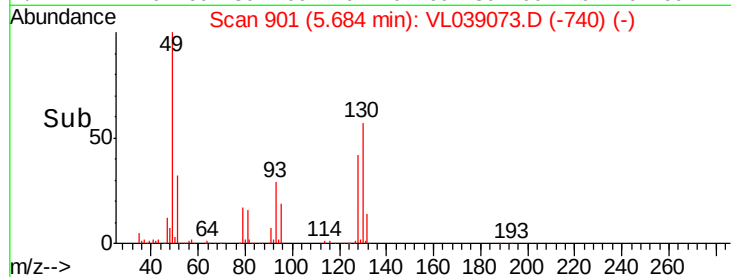
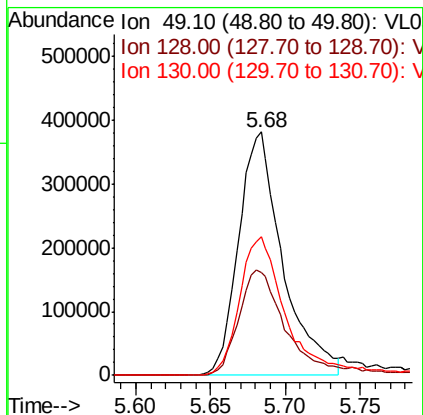
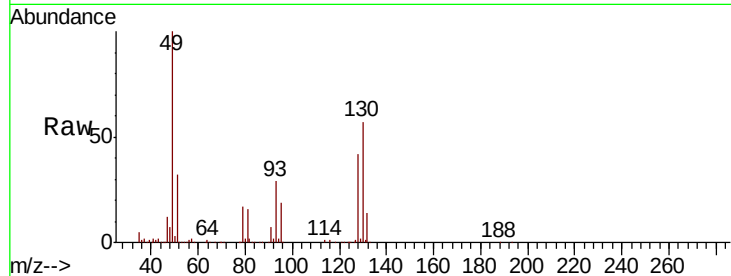
46) cis-1,3-Dichloropropene	8.68	75	85	0.001	ppbv #	64
48) Dibromochloromethane	10.02	129	89	0.001	ppbv	55
49) Bromoform	13.05	173	112	0.001	ppbv #	45
50) 4-Methyl-2-Pentanone	8.78	43	152	0.001	ppbv #	88
51) 2-Hexanone	10.17	43	190	0.002	ppbv #	28
52) Tetrachloroethene	11.23	164	149247	2.579	ppbv	97
53) Toluene	9.82	91	1315	0.007	ppbv #	21
54) 1,2-Dibromoethane	10.41	107	74	0.001	ppbv #	3
56) 1,1,1,2-Tetrachloroethane	12.26	131	146	0.002	ppbv #	1
57) Chlorobenzene	12.16	112	87	0.001	ppbv #	22
58) Ethyl Benzene	12.99	91	749	0.003	ppbv	95
59) m/p-Xylene	13.01	91	516	0.003	ppbv #	33
60) o-Xylene	13.71	91	284	0.002	ppbv #	32
61) Styrene	13.53	104	79	0.001	ppbv #	1
62) Isopropylbenzene	14.68	105	433	0.002	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.69	83	67	0.001	ppbv #	24
64) n-propylbenzene	15.55	120	99	0.002	ppbv #	1
65) tert-Butylbenzene	16.76	119	59	0.000	ppbv #	15
66) Benzyl Chloride	17.01	91	164	0.005	ppbv #	1
67) sec-Butylbenzene	17.32	105	405	0.001	ppbv #	60
69) p-Isopropyltoluene	17.67	119	190	0.001	ppbv #	47
70) n-Butylbenzene	18.56	91	291	0.001	ppbv #	33
71) 2-Chlorotoluene	15.46	91	108	0.001	ppbv #	45
72) 4-Ethyltoluene	15.85	105	163	0.001	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.02	105	205	0.001	ppbv #	33
74) 1,2,4-Trimethylbenzene	16.78	105	471	0.002	ppbv #	44
75) 1,3-Dichlorobenzene	17.01	146	95	0.001	ppbv #	1
76) 1,4-Dichlorobenzene	17.15	146	297	0.003	ppbv #	58
77) 1,2-Dichlorobenzene	17.83	146	247	0.002	ppbv #	50
78) Hexachloro-1,3-Butadiene	23.40	225	252	0.002	ppbv #	18
79) Naphthalene	22.22	128	432	0.003	ppbv #	69
80) Naphthalene,2-methyl-	24.98	142	30	0.001	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.95	180	106	0.001	ppbv #	1

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



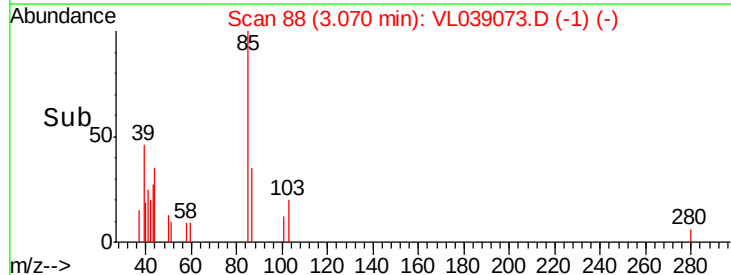
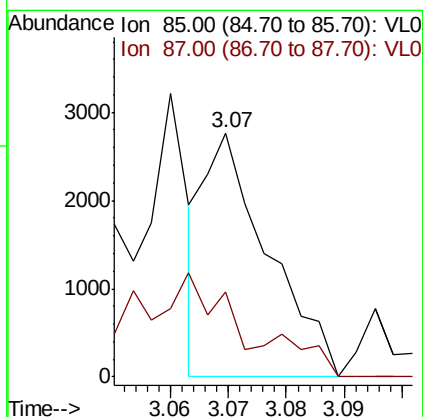
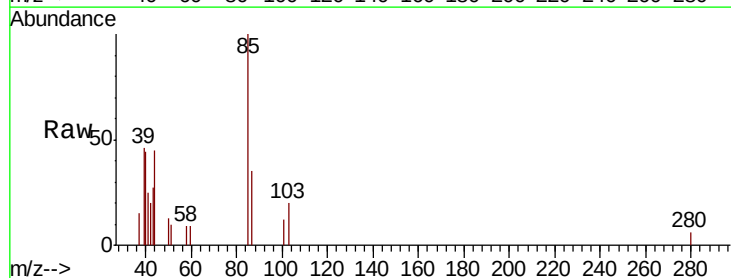
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 17 May 2022 17:38

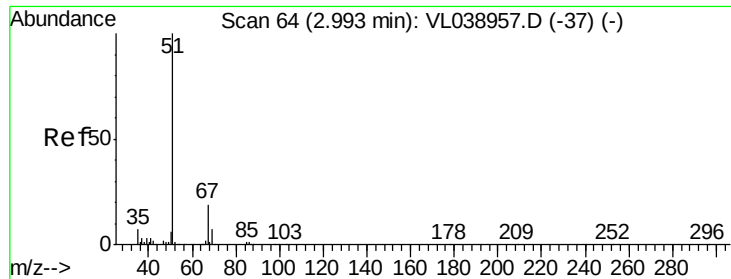
Tot Ion	49	Resp	782926
Ion Ratio	Lower	Upper	
49	100		
128	48.1	23.3	69.8
130	62.6	29.8	89.3



#2
 Dichlorodifluoromethane
 Concen: 0.017 ppbv
 RT: 3.07 min Scan# 88
 Delta R.T.: 0.02 min
 Lab File: VL039073.D
 Acq: 17 May 2022 17:38

Tgt Ion	85	Resp	2128
Ion Ratio	Lower	Upper	
85	100		
87	34.7	25.7	38.5





#3

Chlorodifluoromethane

Concen: 0.100 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

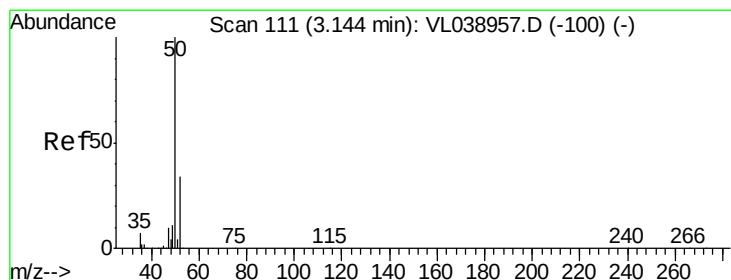
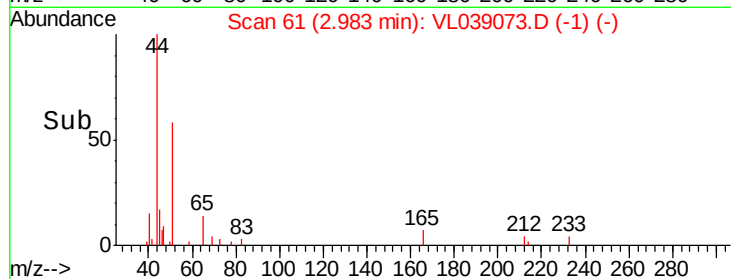
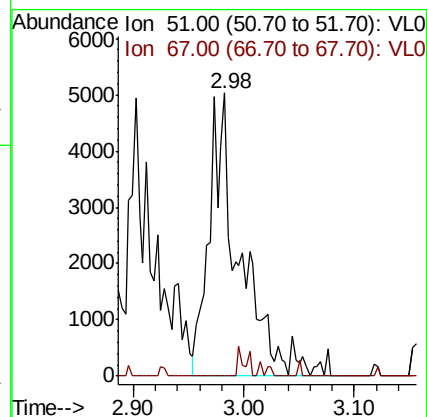
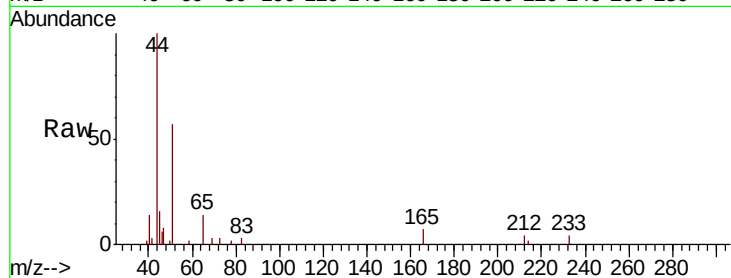
Acq: 17 May 2022 17:38

Tot Ion: 51 Resp: 9728

Ion Ratio Lower Upper

51 100

67 3.8 15.8 23.8#



#4

Chloromethane

Concen: 0.035 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL039073.D

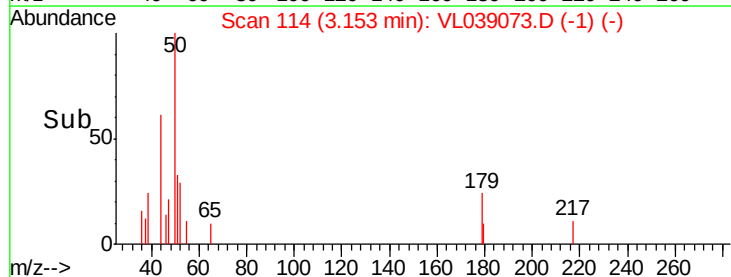
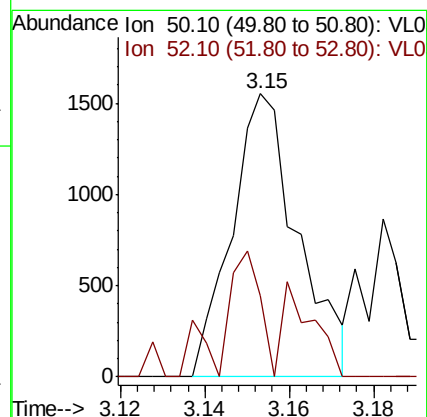
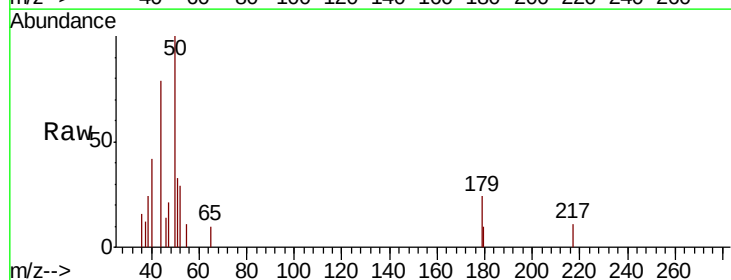
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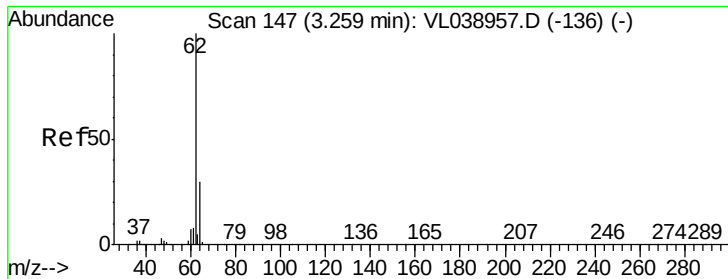
Tgt Ion: 50 Resp: 1686

Ion Ratio Lower Upper

50 100

52 21.5 27.3 40.9#





#5

Vinyl Chloride

Concen: 0.002 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

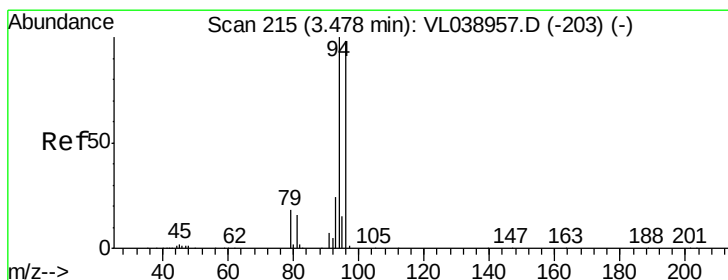
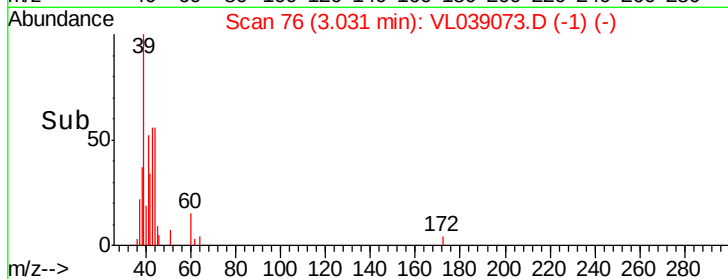
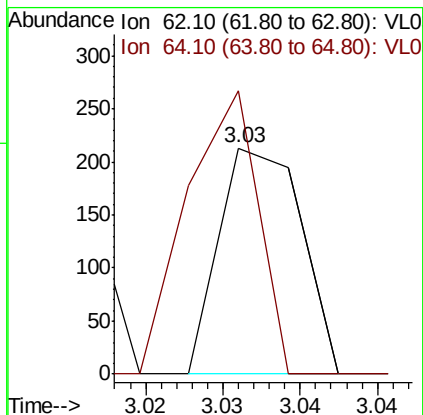
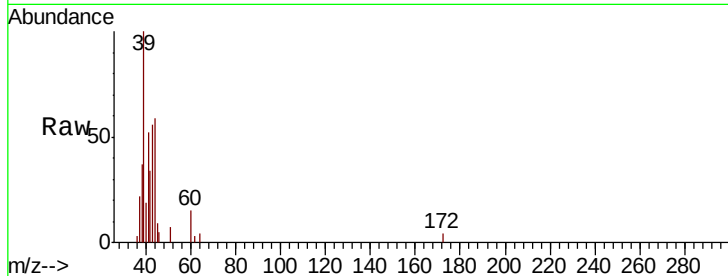
Acq: 17 May 2022 17:38

Tot Ion: 62 Resp: 79

Ion Ratio Lower Upper

62 100

64 125.4 24.2 36.4#



#6

Bromomethane

Concen: 0.004 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL039073.D

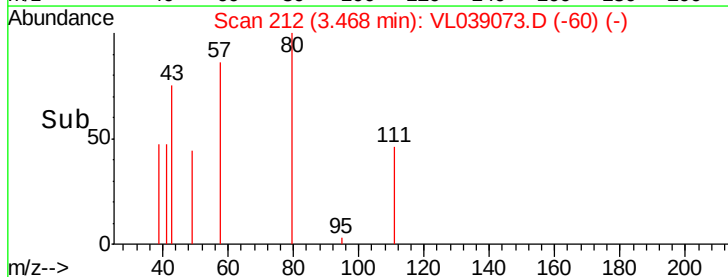
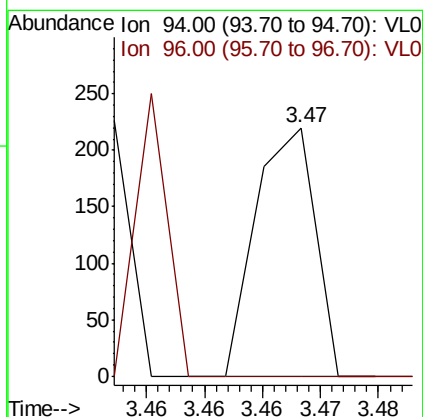
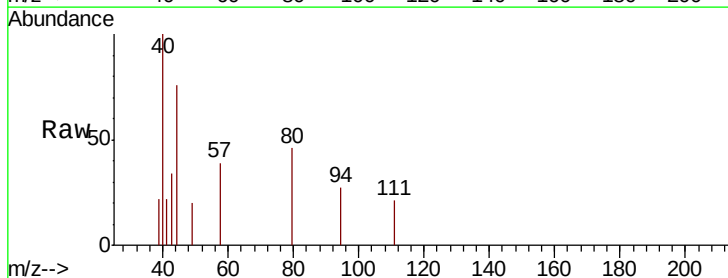
Acq: 17 May 2022 17:38

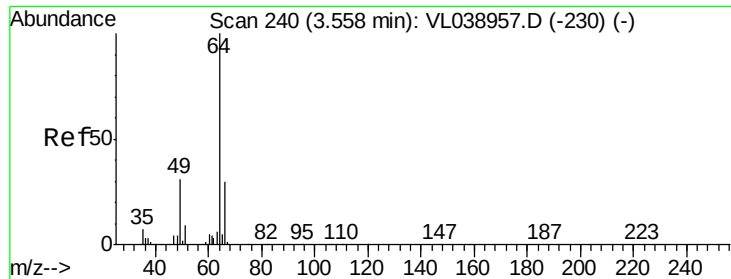
Tgt Ion: 94 Resp: 78

Ion Ratio Lower Upper

94 100

96 0.0 78.1 117.1#





#7

Chloroethane

Concen: 0.005 ppbv

RT: 3.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

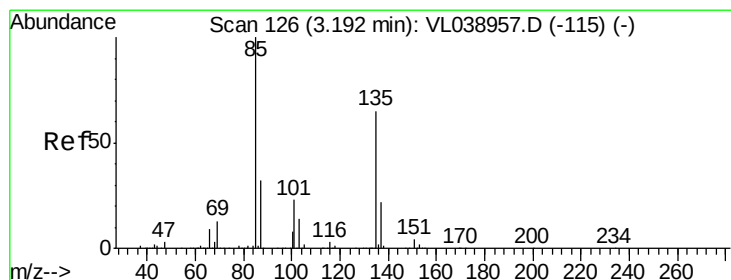
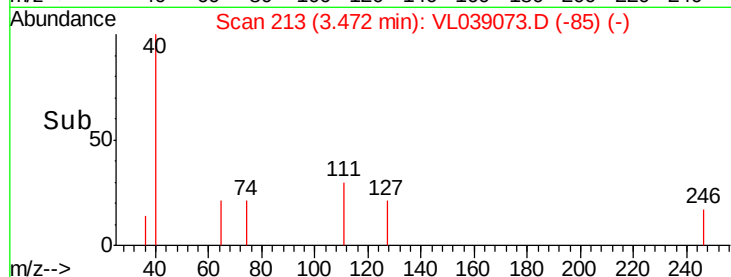
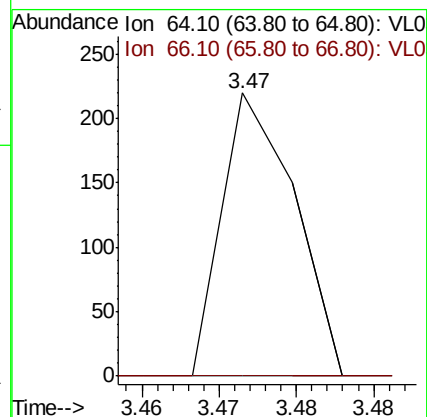
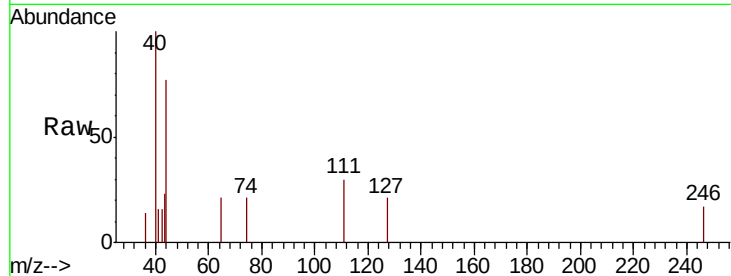
Acq: 17 May 2022 17:38

Tot Ion: 64 Resp: 71

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.8#



#8

Dichlorotetrafluoroethane

Concen: 0.001 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.06 min

Lab File: VL039073.D

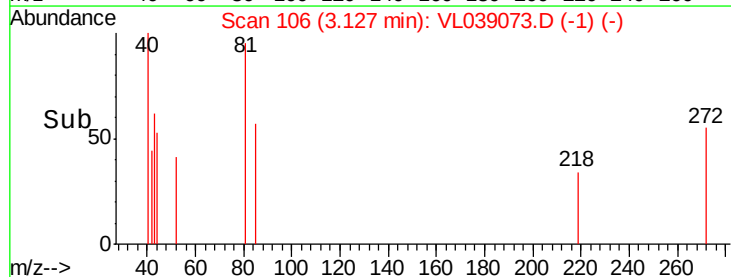
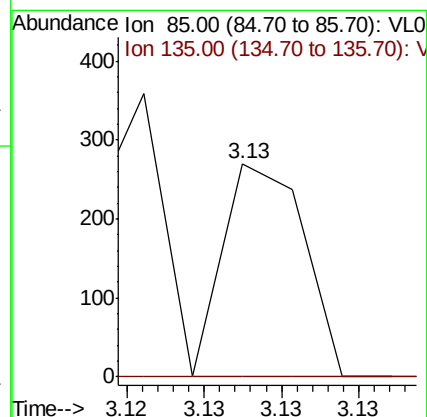
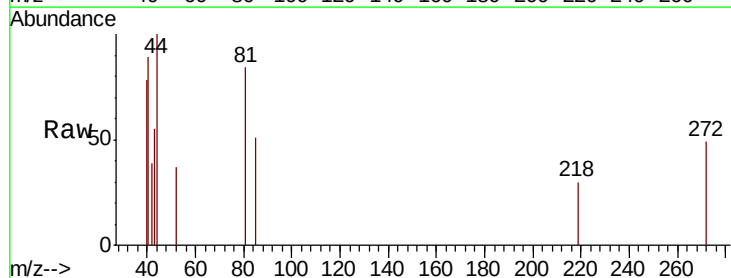
Acq: 17 May 2022 17:38

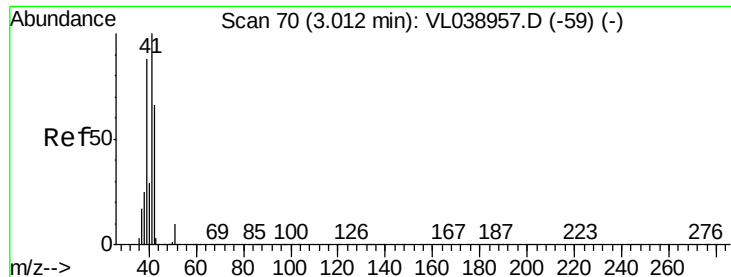
Tgt Ion: 85 Resp: 98

Ion Ratio Lower Upper

85 100

135 0.0 53.6 80.4#





#9

Propene

Concen: 0.007 ppbv

RT: 3.10 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

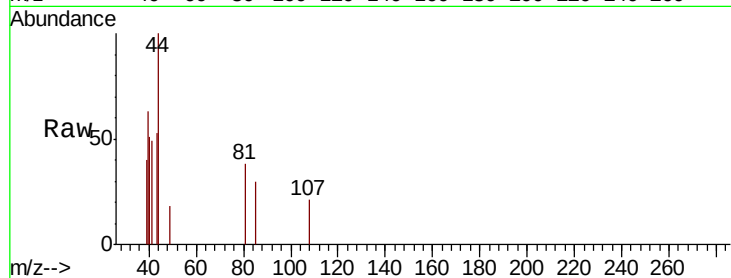
Acq: 17 May 2022 17:38

Tot Ion: 41 Resp: 308

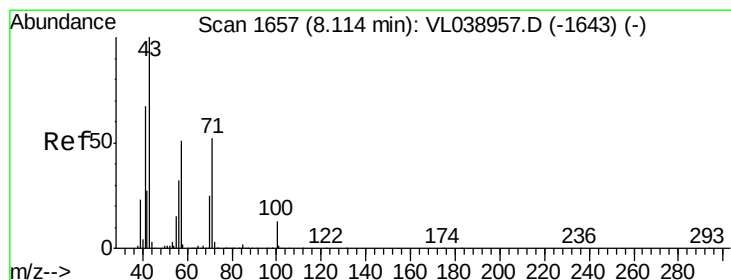
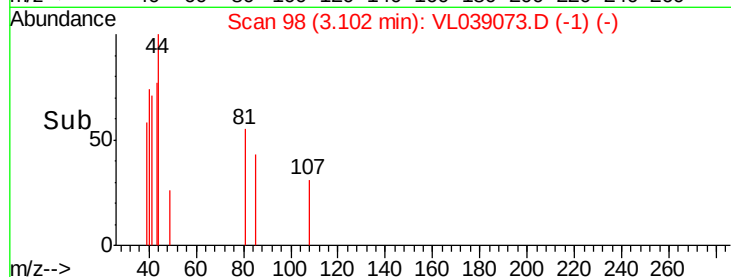
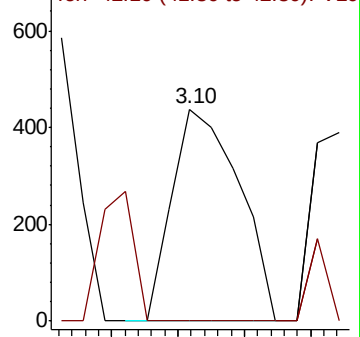
Ion Ratio Lower Upper

41 100

42 82.5 58.3 87.5



Abundance Ion 41.10 (40.80 to 41.80): VL0



#10

Heptane

Concen: 0.004 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.03 min

Lab File: VL039073.D

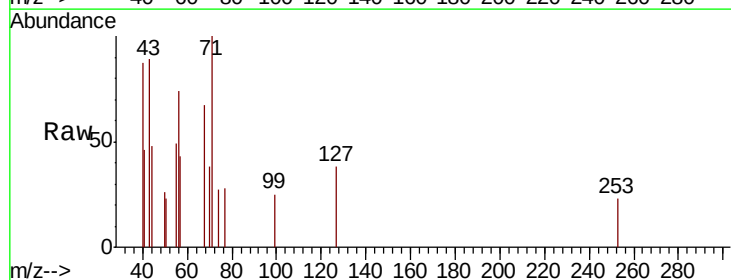
Acq: 17 May 2022 17:38

Tgt Ion: 43 Resp: 440

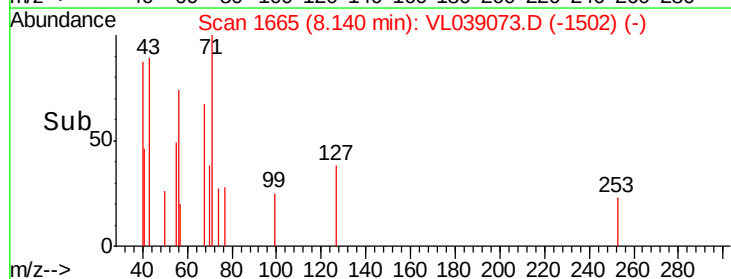
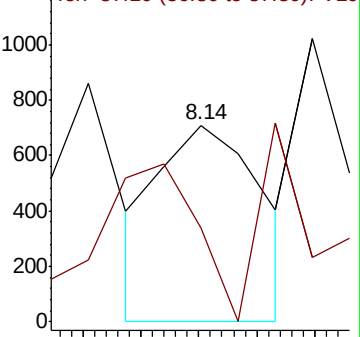
Ion Ratio Lower Upper

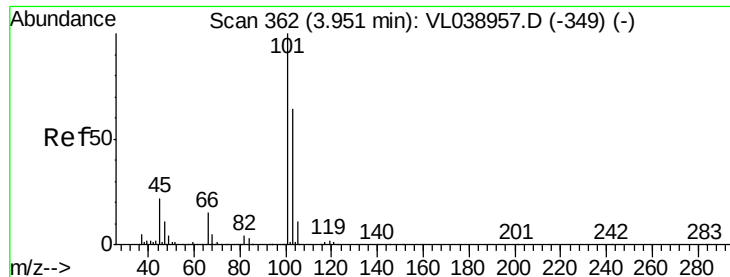
43 100

57 0.0 40.5 60.7#



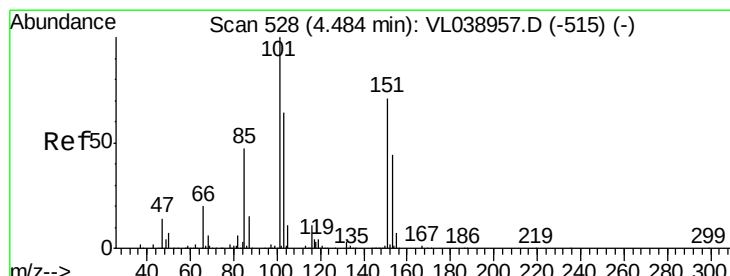
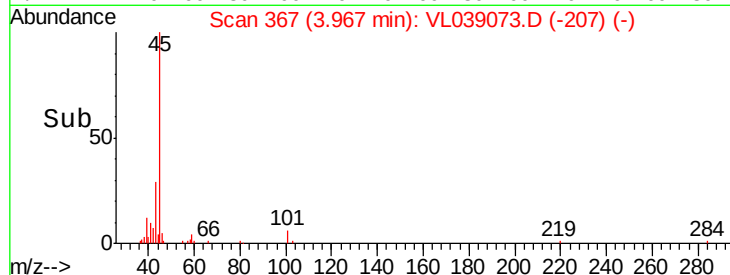
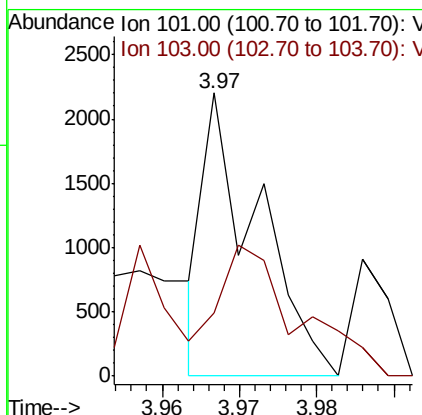
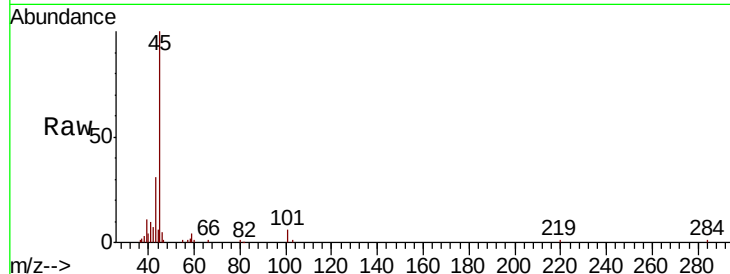
Abundance Ion 43.10 (42.80 to 43.80): VL0





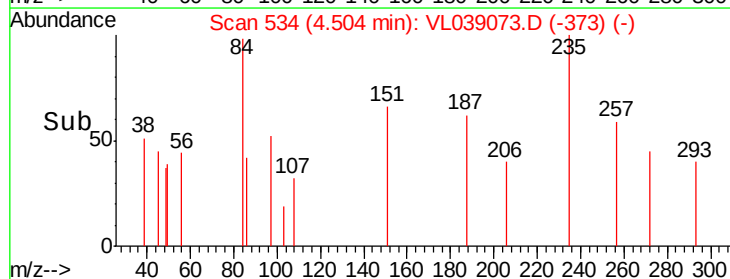
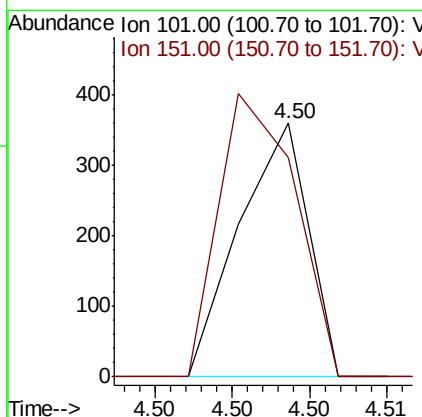
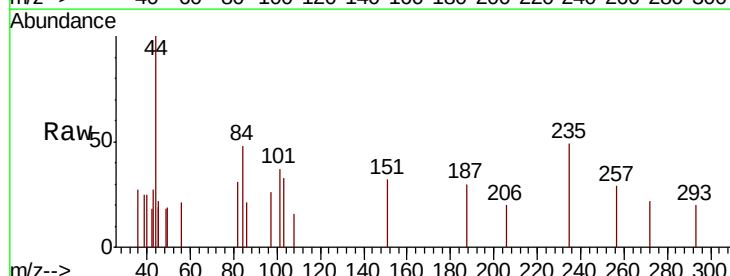
#11
 Trichlorofluoromethane
 Concen: 0.010 ppbv
 RT: 3.97 Instrument : MSVOA_1
 Delta R.T. ClientSampleId :
 Lab File: IA-1DL
 Acq: 17 May 2022 17:38

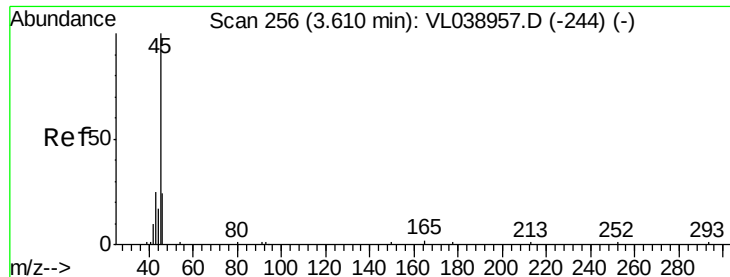
Tot Ion:101 Resp: 1071
 Ion Ratio Lower Upper
 101 100
 103 10.0 51.5 77.3#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.002 ppbv
 RT: 4.50 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VL039073.D
 Acq: 17 May 2022 17:38

Tgt Ion:101 Resp: 111
 Ion Ratio Lower Upper
 101 100
 151 224.3 55.4 83.0#





#13

Ethanol

Concen: 228.679 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

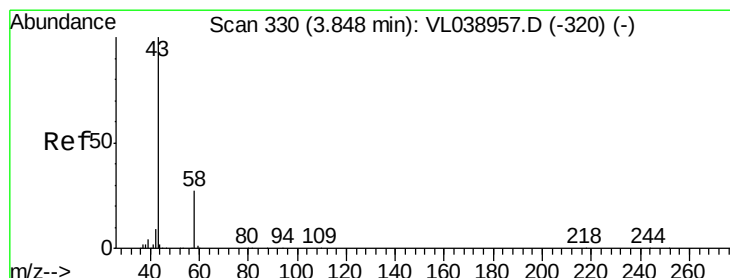
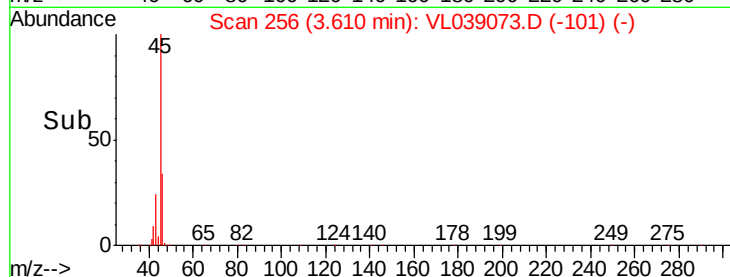
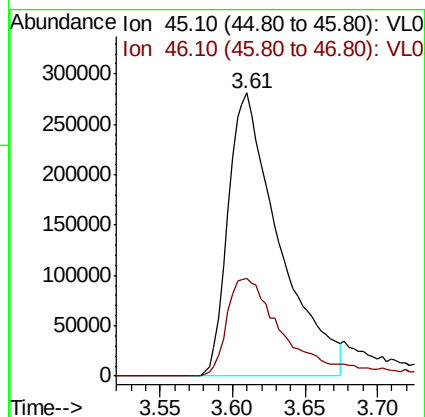
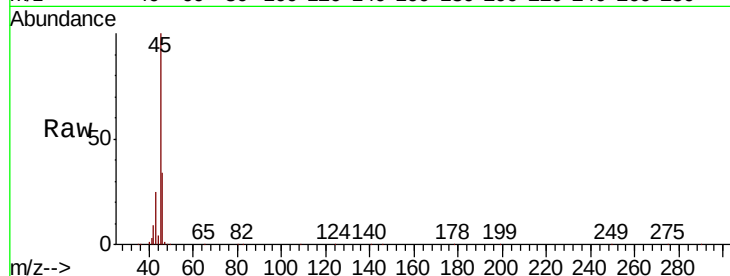
Acq: 17 May 2022 17:38

Tot Ion: 45 Resp: 686594

Ion Ratio Lower Upper

45 100

46 41.2 18.0 72.2



#15

Acetone

Concen: 0.473 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL039073.D

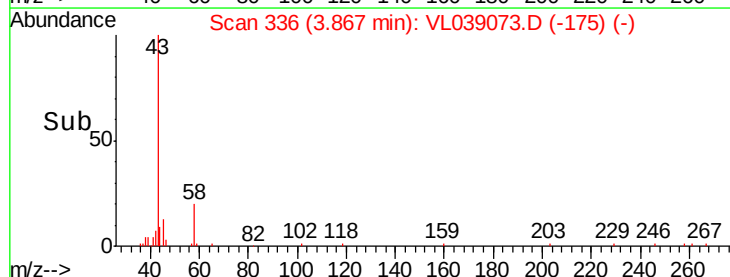
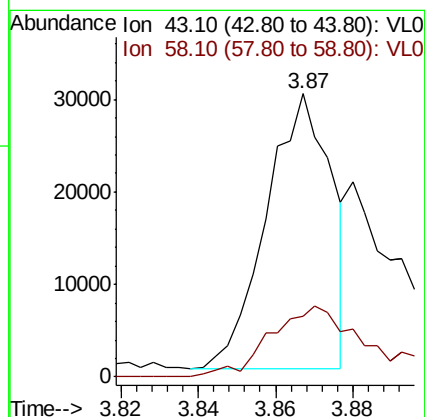
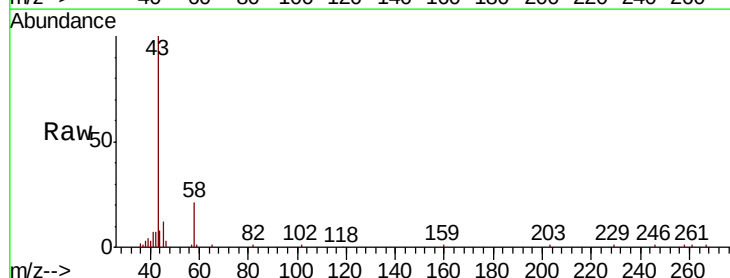
Acq: 17 May 2022 17:38

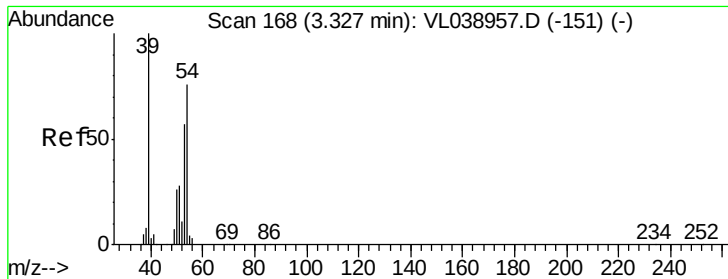
Tgt Ion: 43 Resp: 34923

Ion Ratio Lower Upper

43 100

58 43.0 21.3 31.9#





#16

1,3-Butadiene

Concen: 0.005 ppbv

RT: 3.33 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

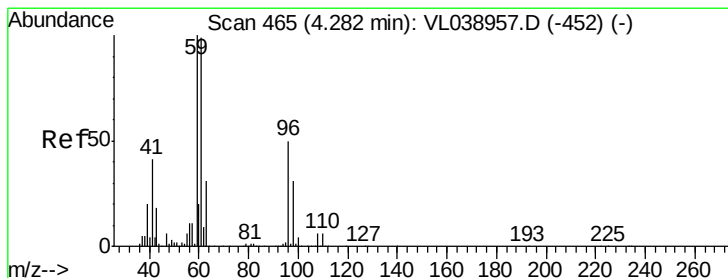
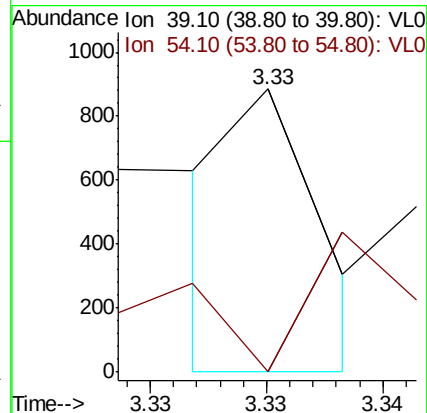
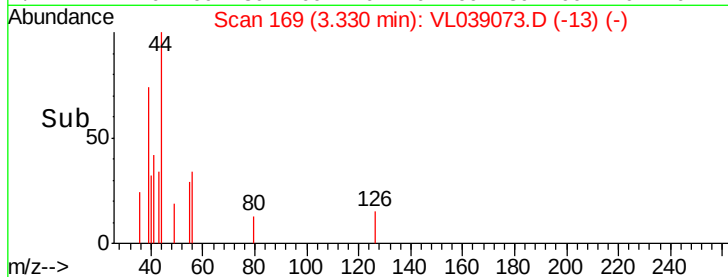
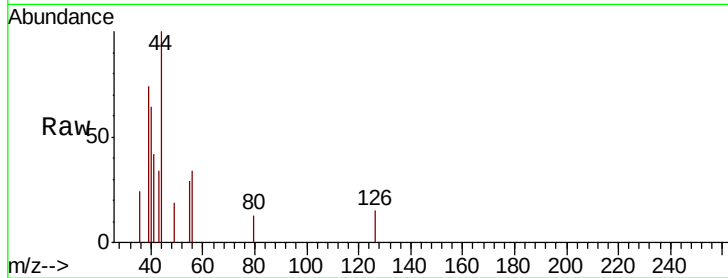
Acq: 17 May 2022 17:38

Tot Ion: 39 Resp: 229

Ion Ratio Lower Upper

39 100

54 139.3 65.2 97.8#



#17

tert-Butyl alcohol

Concen: 0.015 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.03 min

Lab File: VL039073.D

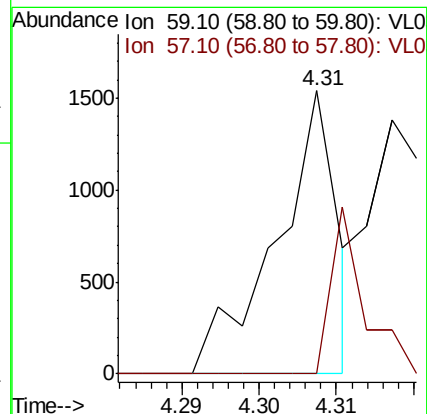
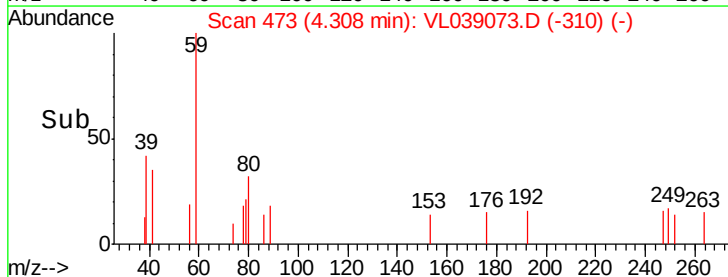
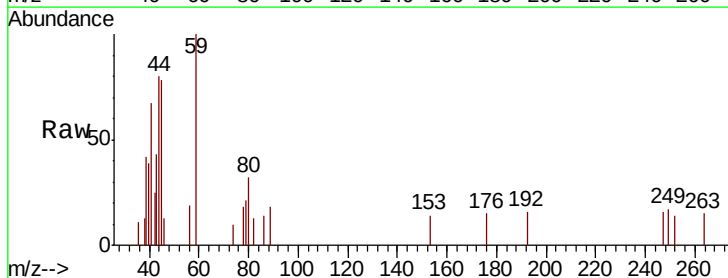
Acq: 17 May 2022 17:38

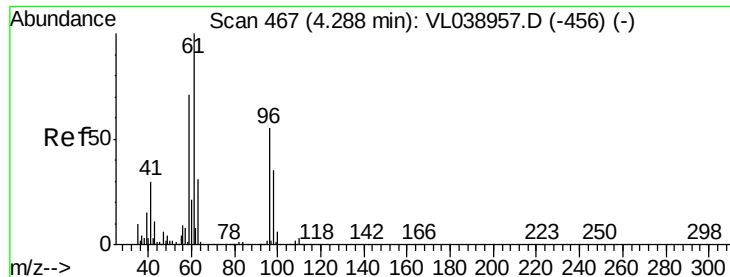
Tgt Ion: 59 Resp: 837

Ion Ratio Lower Upper

59 100

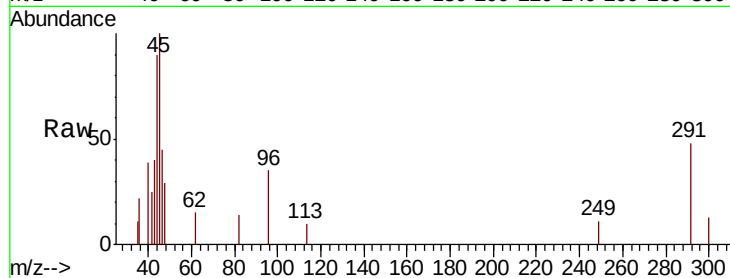
57 31.8 9.2 13.8#



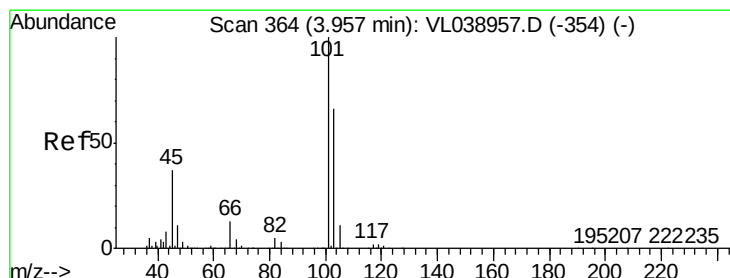
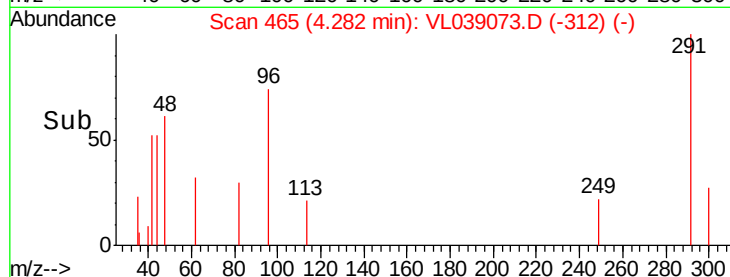
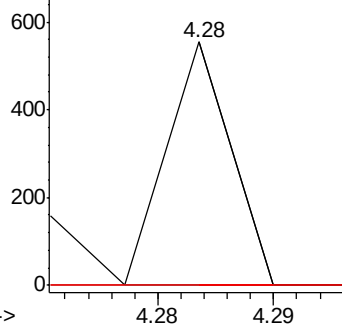


#18
 1,1-Dichloroethene
 Concen: 0.003 ppbv
 RT: 4.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 May 2022 17:38

Tot Ion: 96 Resp: 107
 Ion Ratio Lower Upper
 96 100
 61 43.6 146.3 219.5#
 98 0.0 50.6 75.8#

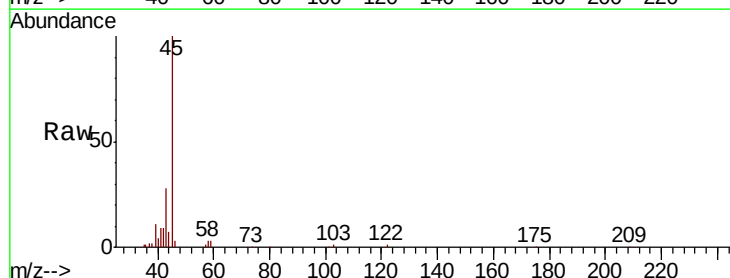


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

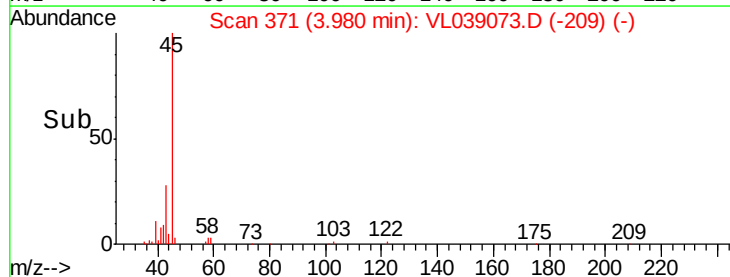
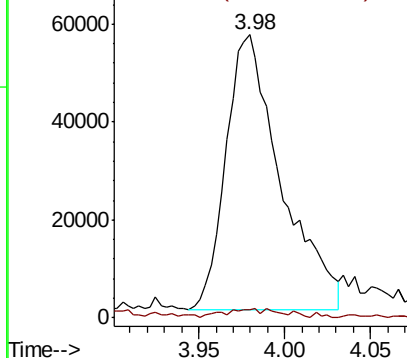


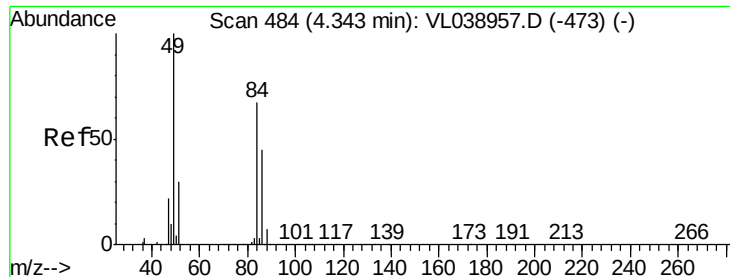
#19
 Isopropyl Alcohol
 Concen: 3.554 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.02 min
 Lab File: VL039073.D
 Acq: 17 May 2022 17:38

Tgt Ion: 45 Resp: 124800
 Ion Ratio Lower Upper
 45 100
 58 4.1 1.4 2.2#



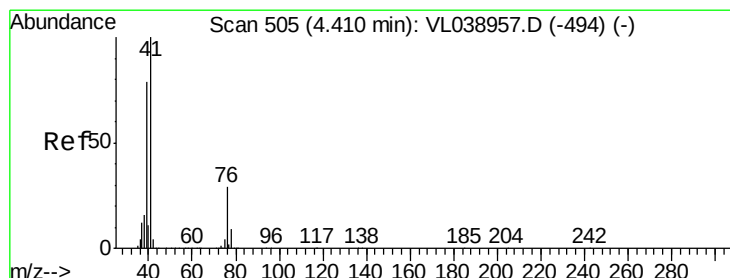
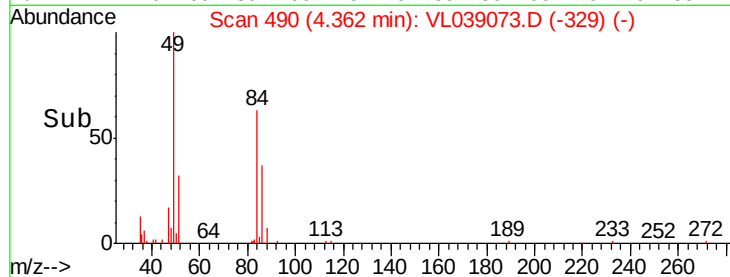
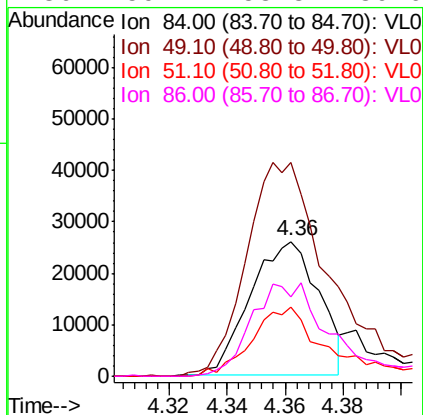
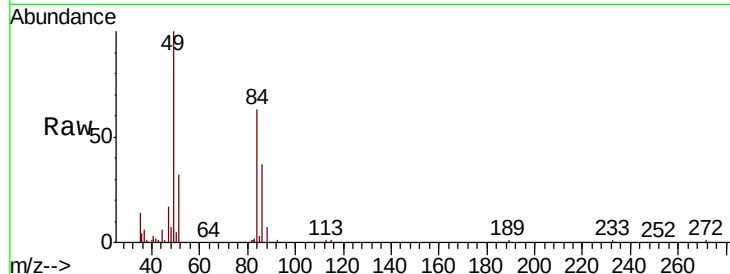
Abundance Ion 45.10 (44.80 to 45.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0





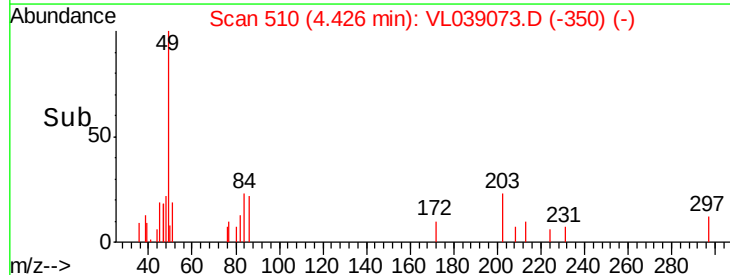
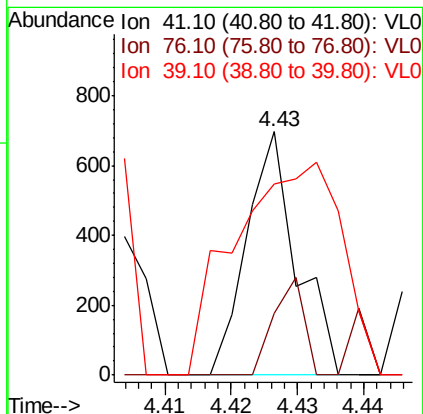
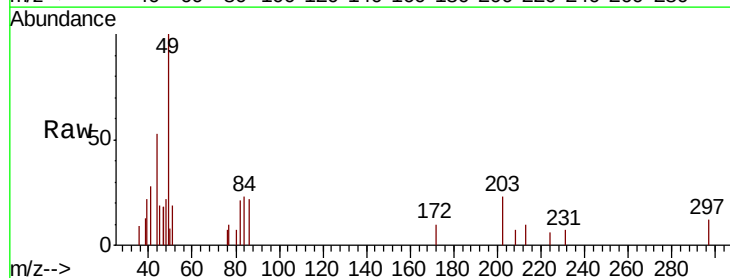
#20
Methylene Chloride
Concen: 1.530 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 17 May 2022 17:38

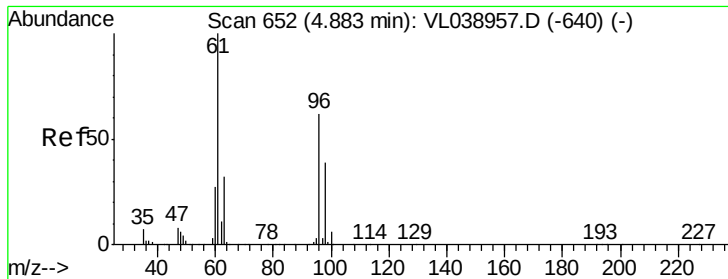
Tot Ion:	84	Resp:	42579
Ion	Ratio	Lower	Upper
84	100		
49	156.6	119.9	179.9
51	51.7	35.7	53.5
86	59.2	53.8	80.6



#21
Allyl Chloride
Concen: 0.007 ppbv
RT: 4.43 min Scan# 510
Delta R.T.: 0.02 min
Lab File: VL039073.D
Acq: 17 May 2022 17:38

Tgt Ion:	41	Resp:	364
Ion	Ratio	Lower	Upper
41	100		
76	34.3	24.2	36.4
39	0.0	63.8	95.8#





#22

trans-1,2-Dichloroethene

Concen: 0.002 ppbv

RT: 5.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 17:38

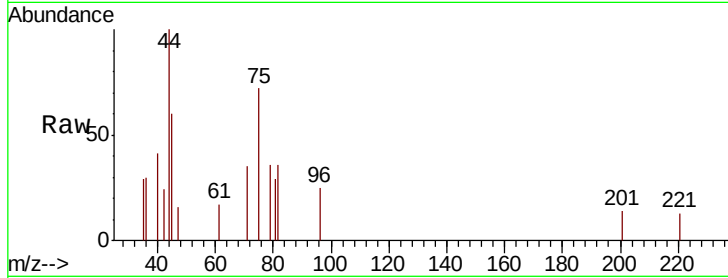
Tot Ion: 96 Resp: 58

Ion Ratio Lower Upper

96 100

61 66.2 128.2 192.2#

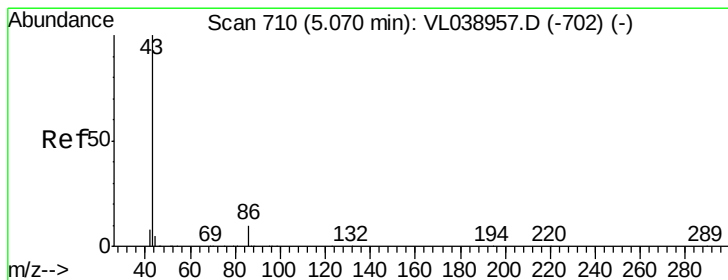
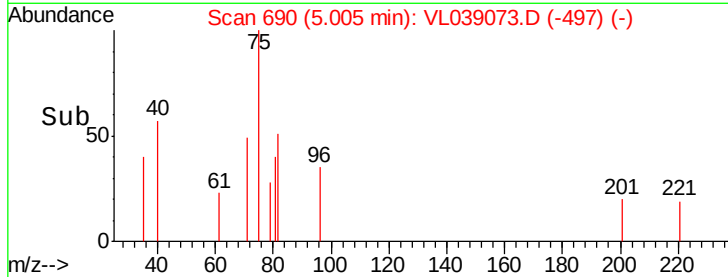
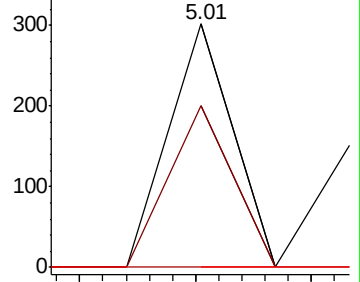
98 0.0 50.1 75.1#



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.010 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.01 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

Tgt Ion: 43 Resp: 562

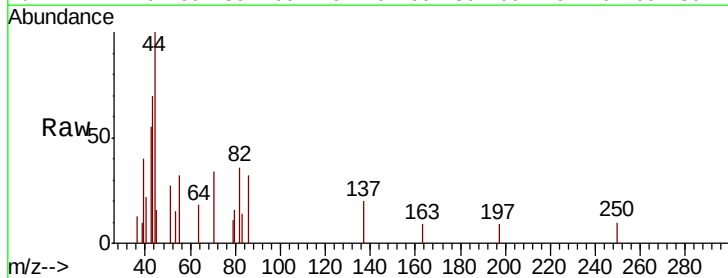
Ion Ratio Lower Upper

43 100

86 96.4 6.6 9.8#

42 97.3 8.1 12.1#

44 135.8 3.5 5.3#

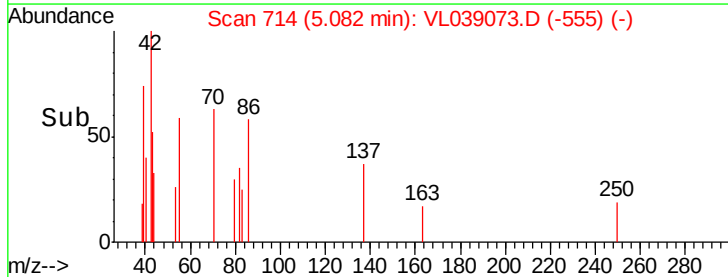
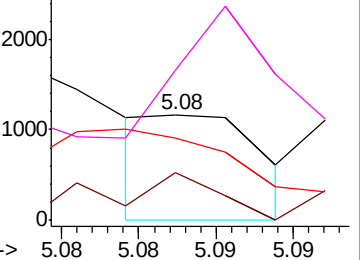


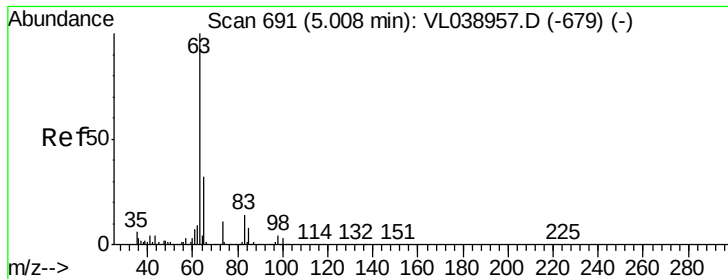
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

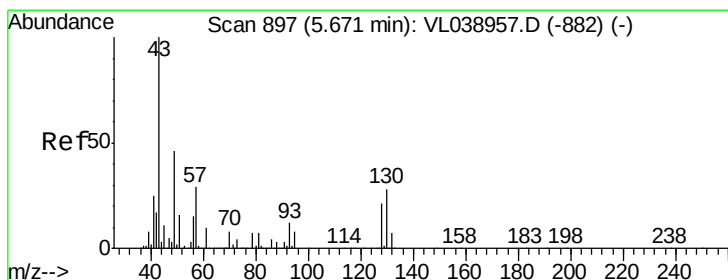
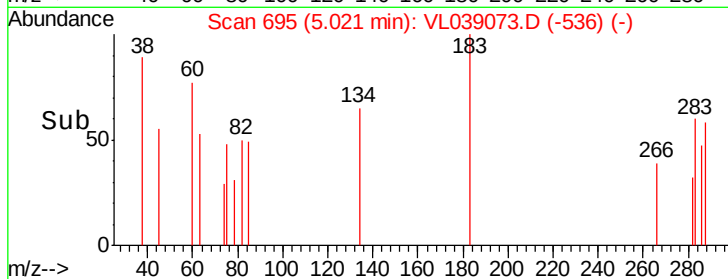
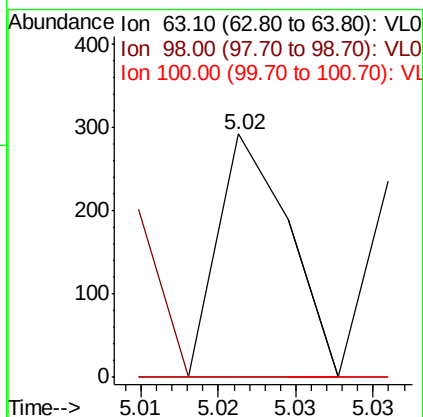
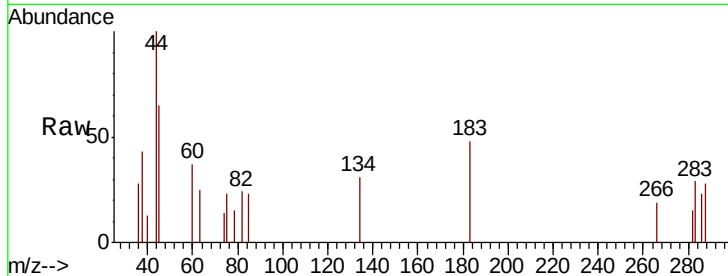
Ion 44.10 (43.80 to 44.80): VL0





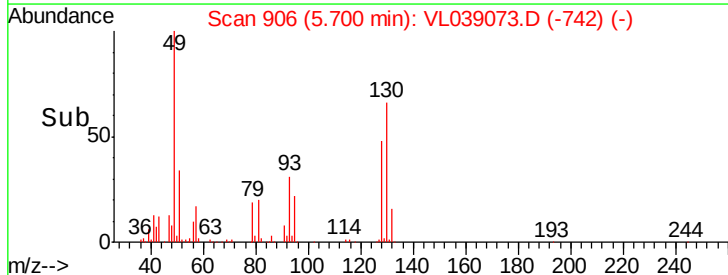
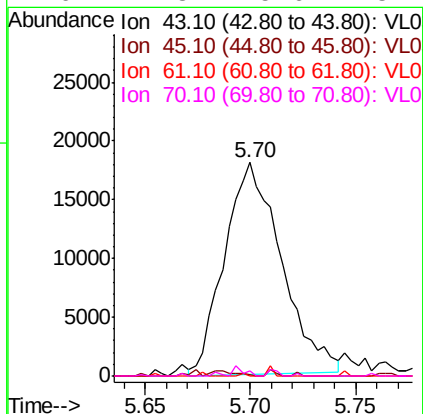
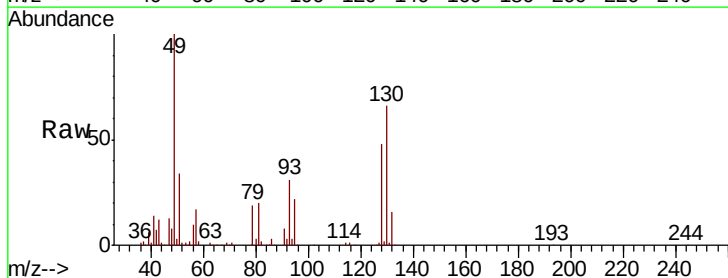
#24
 1,1-Dichloroethane
 Concen: 0.001 ppbv
 RT: 5.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 May 2022 17:38

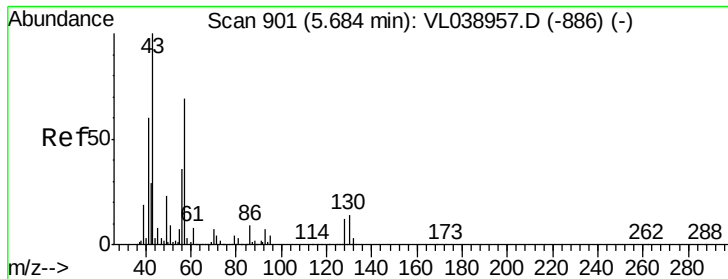
Tot Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.2#
100	0.0	1.4	4.2#



#25
 Ethyl Acetate
 Concen: 0.192 ppbv
 RT: 5.70 min Scan# 906
 Delta R.T. 0.03 min
 Lab File: VL039073.D
 Acq: 17 May 2022 17:38

Tgt Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	0.6	7.8	11.6#
70	1.8	5.6	8.4#





#26

Hexane

Concen: 0.605 ppbv

RT: 5.70 Instrument:

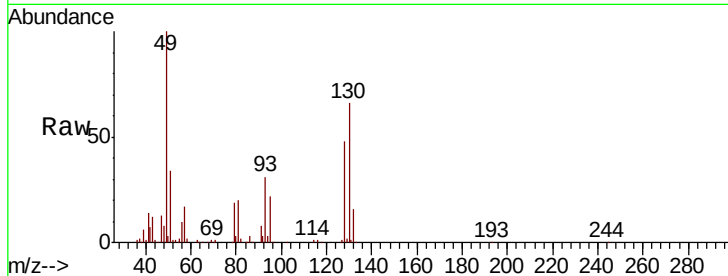
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

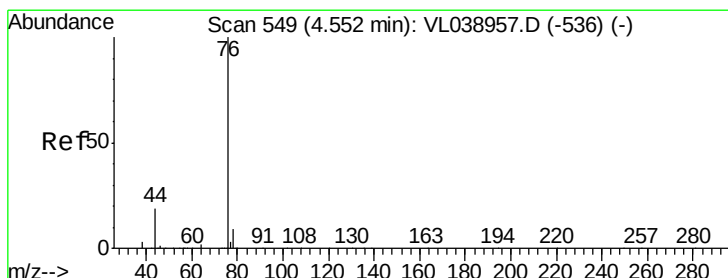
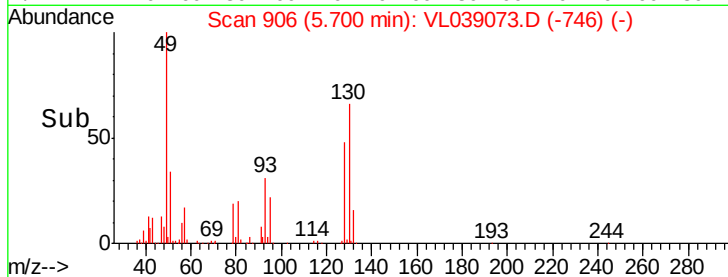
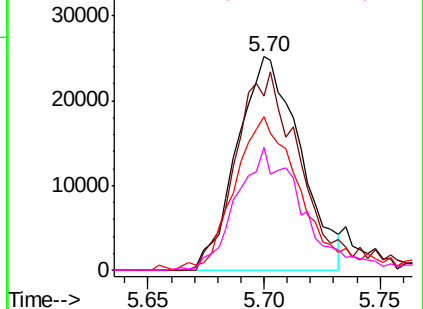
Acq: 17 May 2022 17:38

Tot Ion: 57 Resp: 47482

Ion	Ratio	Lower	Upper
57	100		
41	101.3	75.2	112.8
43	78.8	190.8	286.2#
56	60.5	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: 0.001 ppbv

RT: 4.43 min Scan# 511

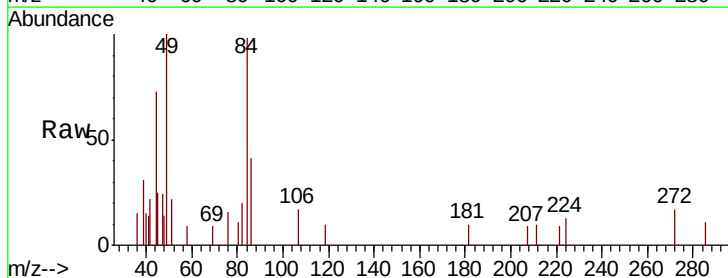
Delta R.T. -0.12 min

Lab File: VL039073.D

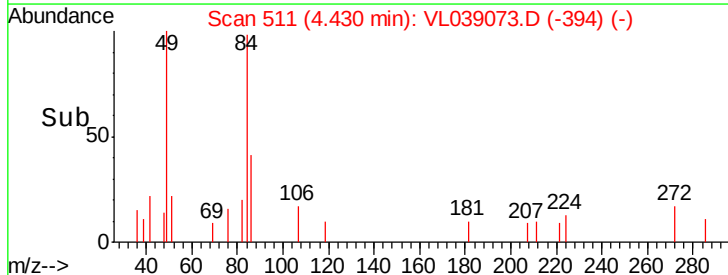
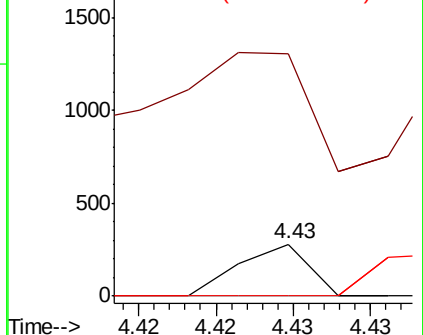
Acq: 17 May 2022 17:38

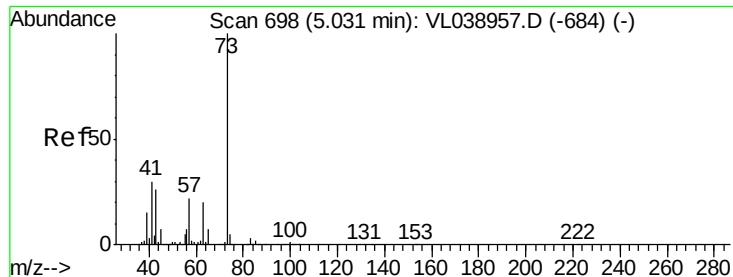
Tgt Ion: 76 Resp: 89

Ion	Ratio	Lower	Upper
76	100		
44	2164.0	15.3	22.9#
78	0.0	8.2	12.2#



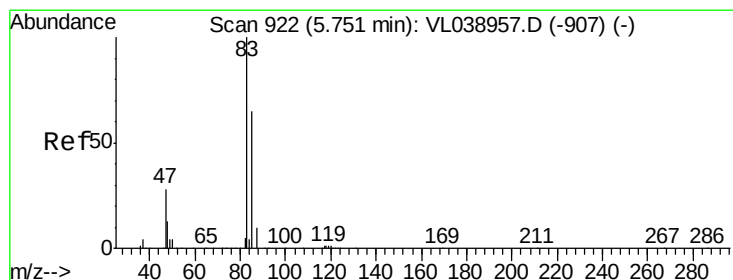
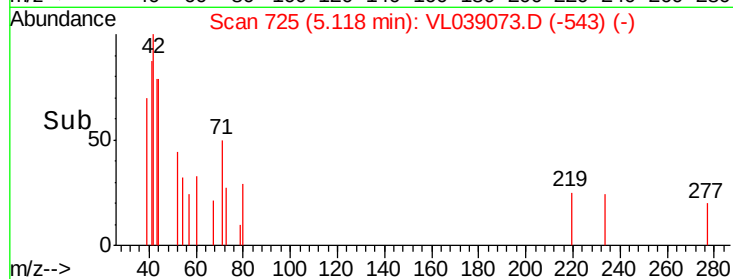
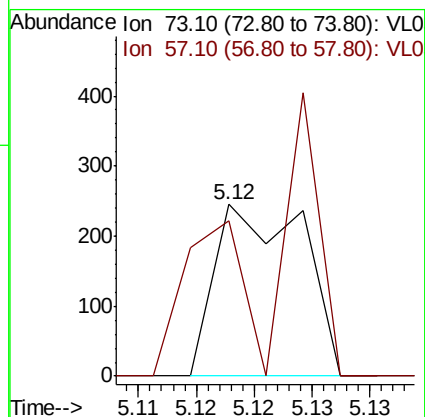
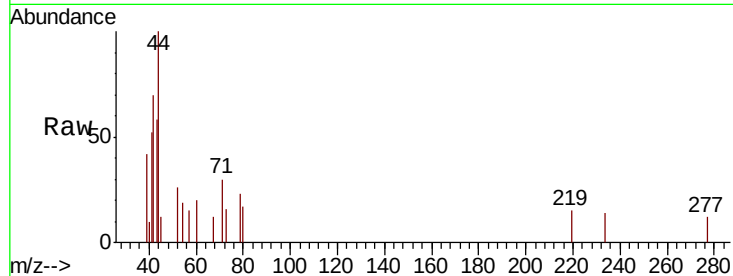
Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





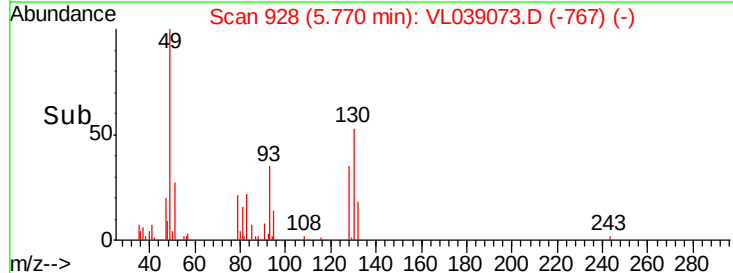
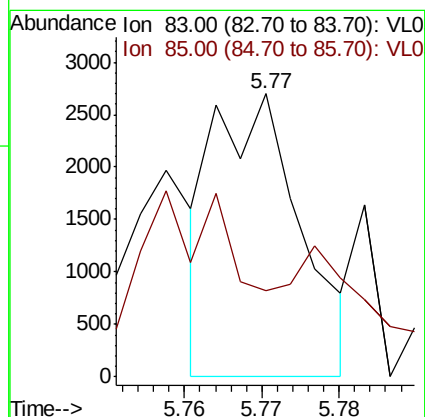
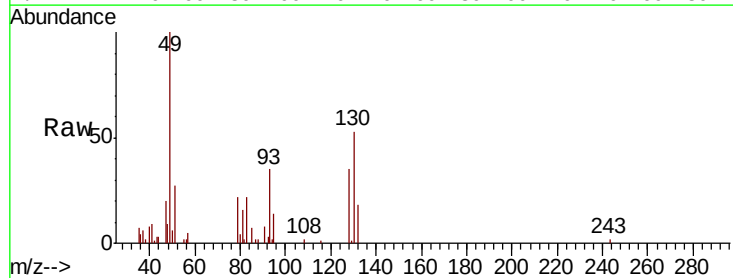
#28
Methyl tert-Butyl Ether
Concen: 0.002 ppbv
RT: 5.12
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 May 2022 17:38

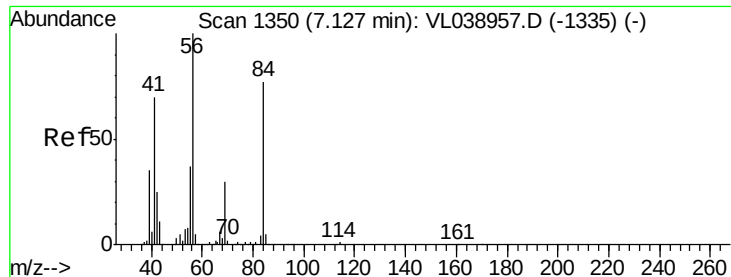
Tot Ion: 73 Resp: 129
Ion Ratio Lower Upper
73 100
57 144.2 18.8 28.2#



#29
Chloroform
Concen: 0.017 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.02 min
Lab File: VL039073.D
Acq: 17 May 2022 17:38

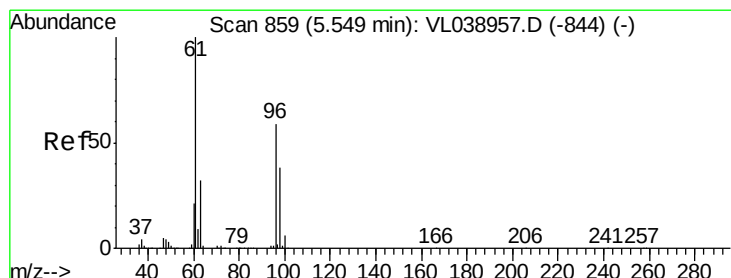
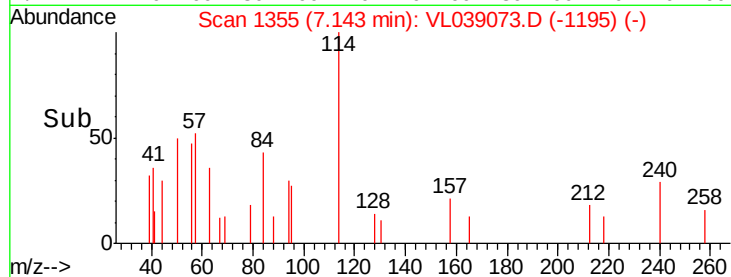
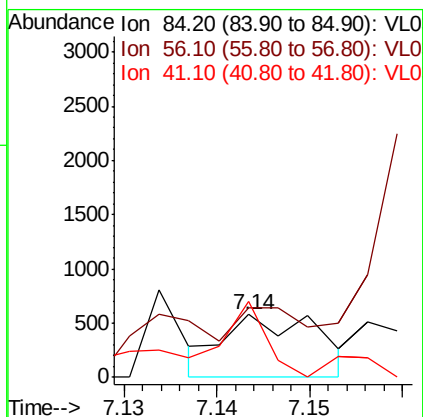
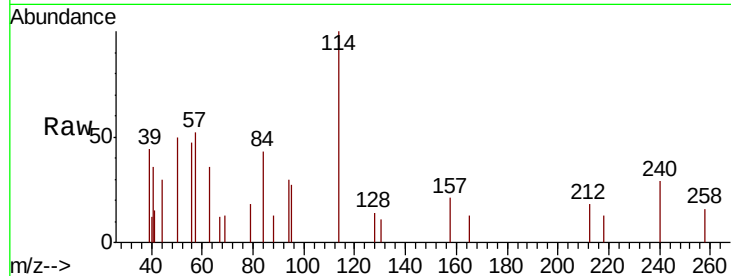
Tgt Ion: 83 Resp: 2101
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.6#





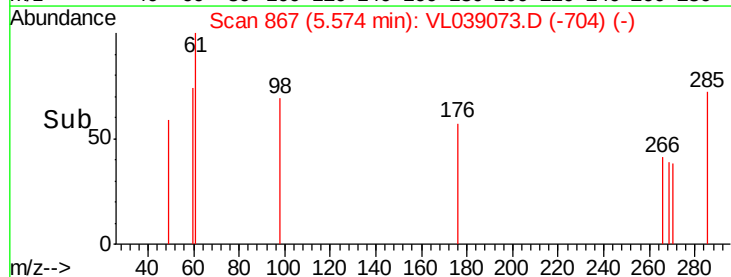
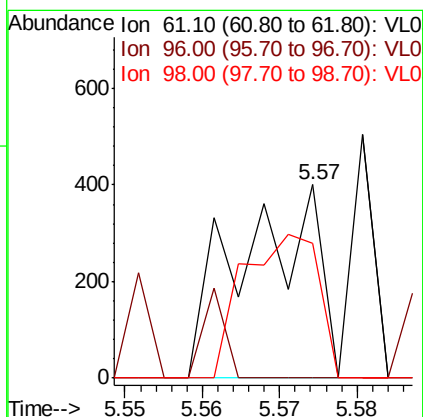
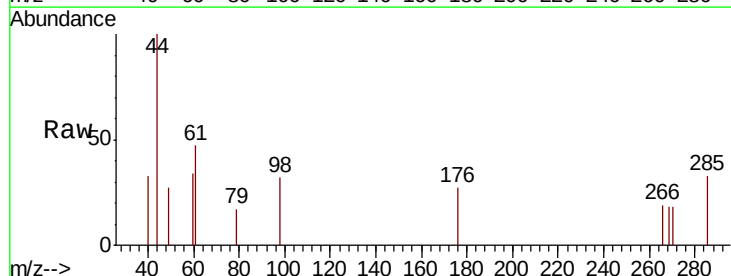
#30
Cvclohexane
Concen: 0.006 ppbv
RT: 7.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 May 2022 17:38

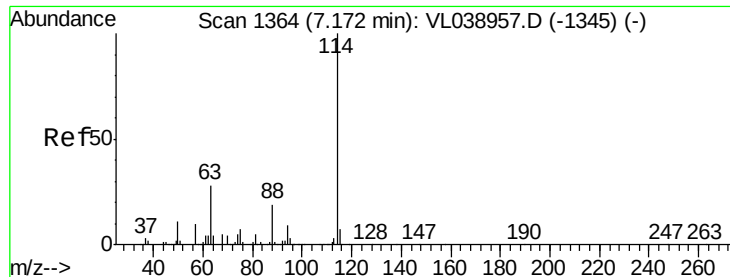
Tot Ion: 84 Resp: 404
Ion Ratio Lower Upper
84 100
56 0.0 115.3 172.9#
41 151.5 72.0 108.0#



#31
cis-1,2-Dichloroethene
Concen: 0.003 ppbv
RT: 5.57 min Scan# 867
Delta R.T. 0.03 min
Lab File: VL039073.D
Acq: 17 May 2022 17:38

Tgt Ion: 61 Resp: 279
Ion Ratio Lower Upper
61 100
96 0.0 47.4 71.0#
98 69.3 30.6 45.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 17:38

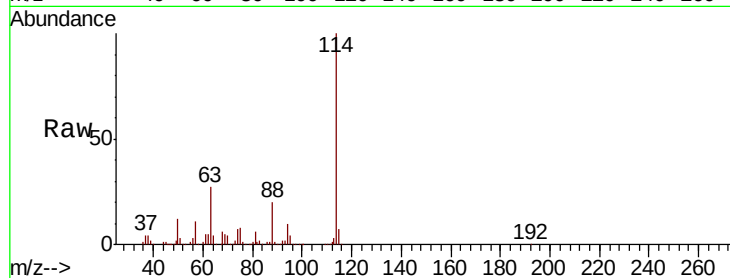
Tot Ion:114 Resp: 1892463

Ion Ratio Lower Upper

114 100

63 29.0 22.6 33.8

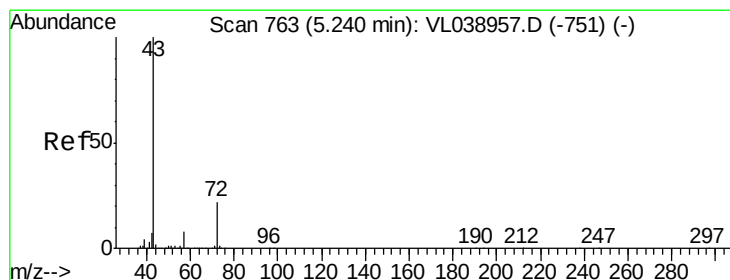
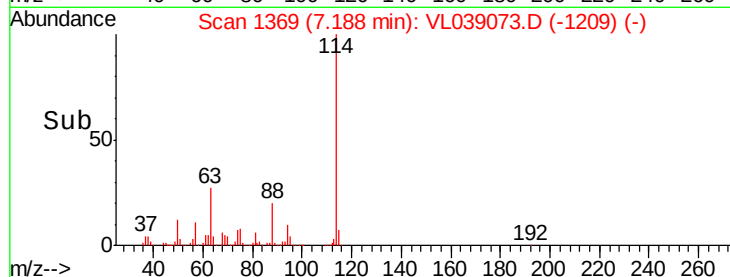
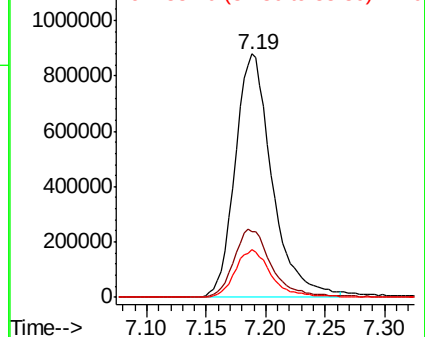
88 19.5 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.116 ppbv

RT: 5.27 min Scan# 772

Delta R.T. 0.03 min

Lab File: VL039073.D

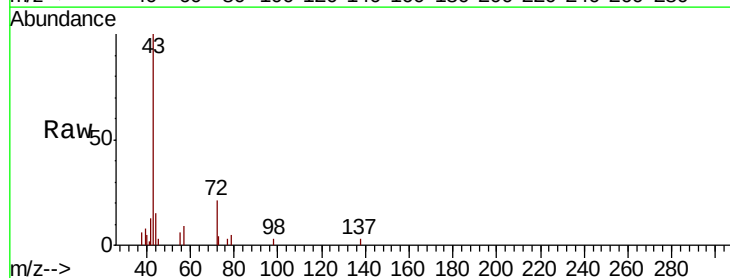
Acq: 17 May 2022 17:38

Tgt Ion: 43 Resp: 11213

Ion Ratio Lower Upper

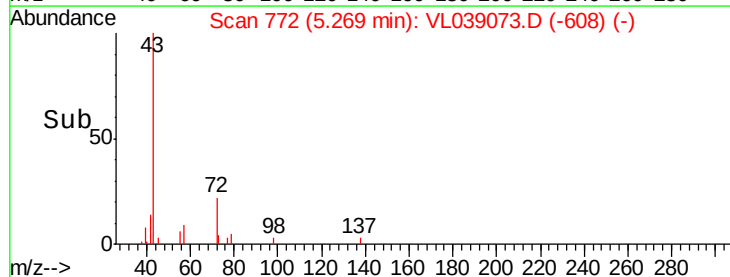
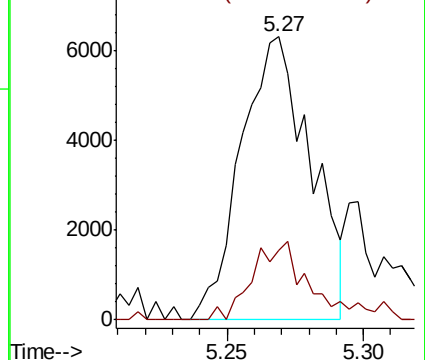
43 100

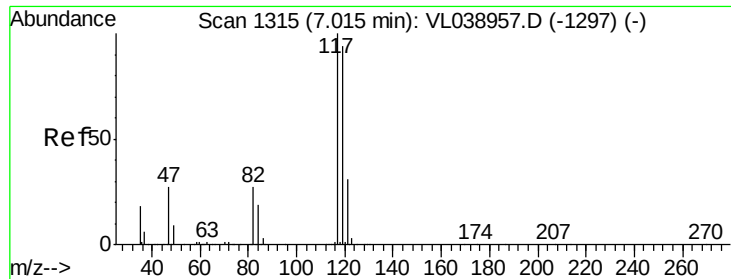
72 23.7 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.002 ppbv

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampled:

Acq: 17 May 2022 17:38

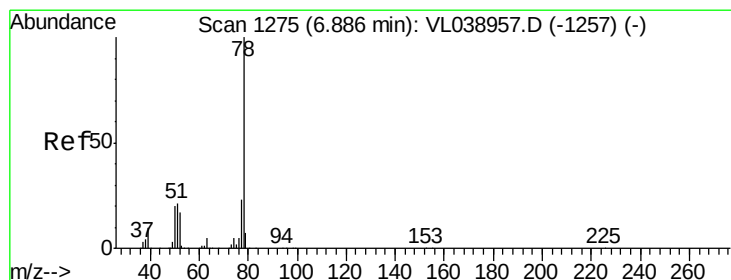
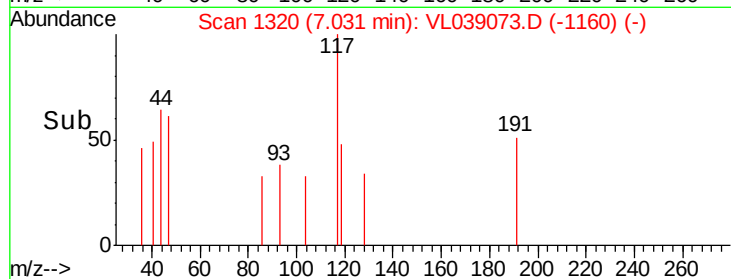
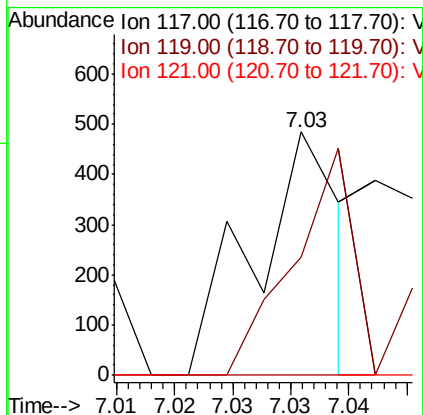
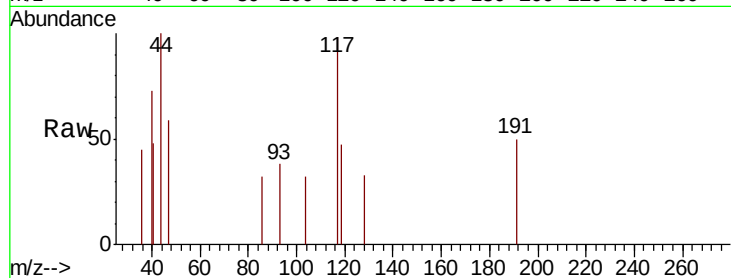
Tot Ion:117 Resp: 250

Ion Ratio Lower Upper

117 100

119 48.5 75.2 112.8#

121 0.0 24.6 37.0#



#36

Benzene

Concen: 0.004 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

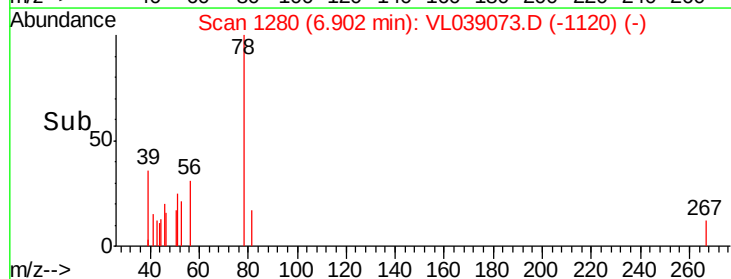
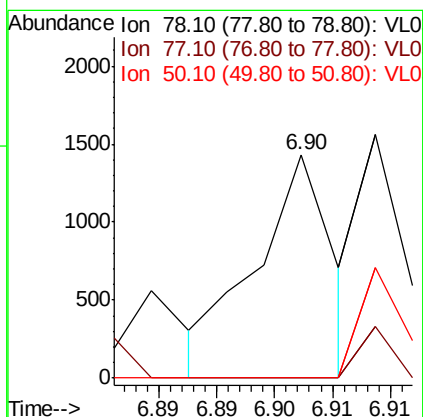
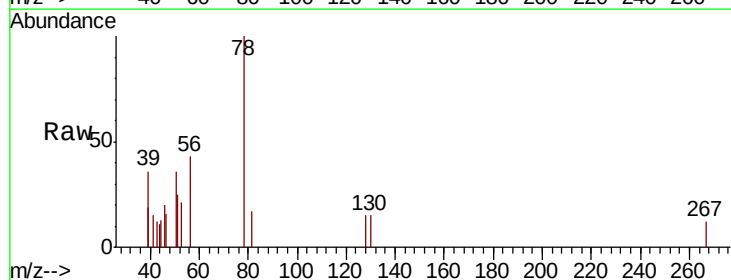
Tgt Ion: 78 Resp: 659

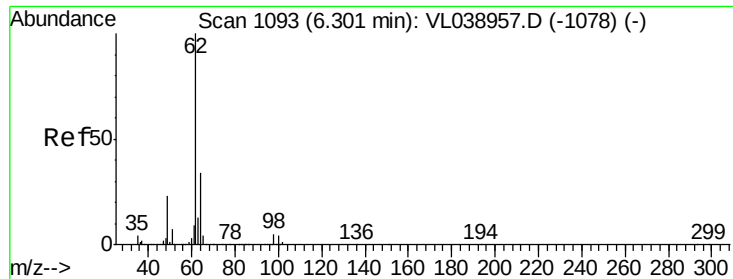
Ion Ratio Lower Upper

78 100

77 0.0 18.6 28.0#

50 45.3 15.6 23.4#





#37

1,2-Dichloroethane

Concen: 0.002 ppbv

RT: 6.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

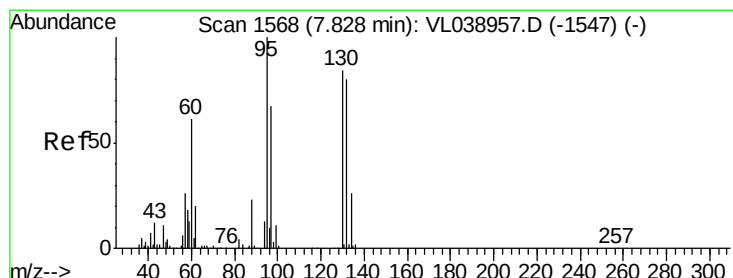
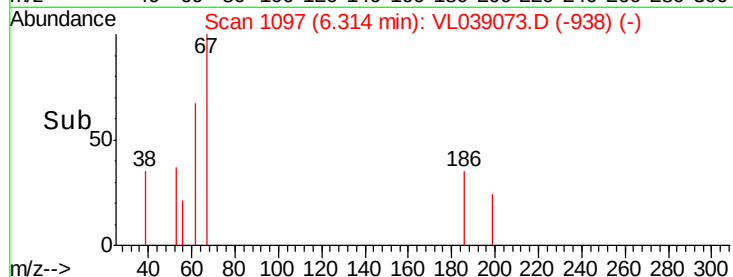
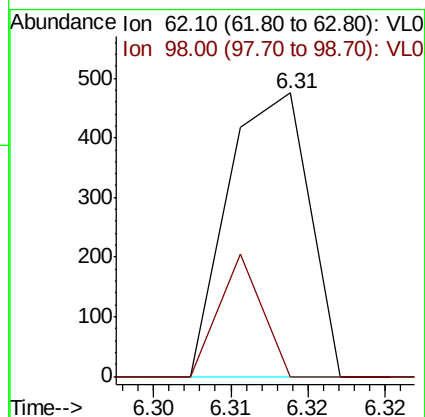
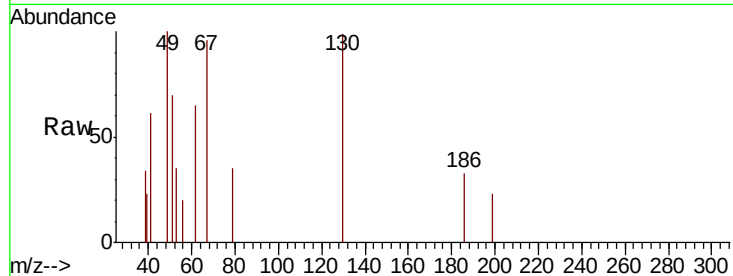
Acq: 17 May 2022 17:38

Tot Ion: 62 Resp: 172

Ion Ratio Lower Upper

62 100

98 0.0 4.5 6.7#



#38

Trichloroethene

Concen: 0.002 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

Tgt Ion: 130 Resp: 143

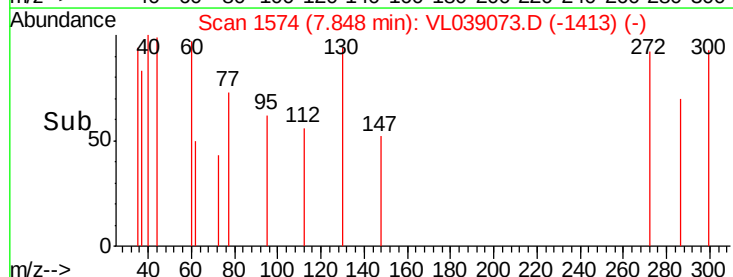
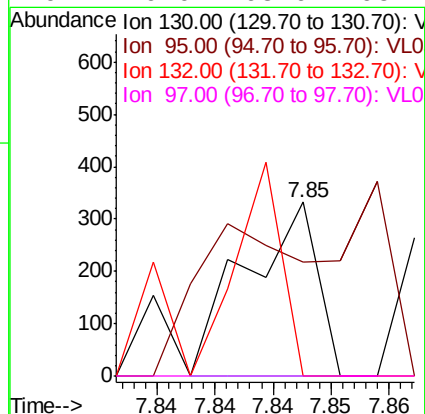
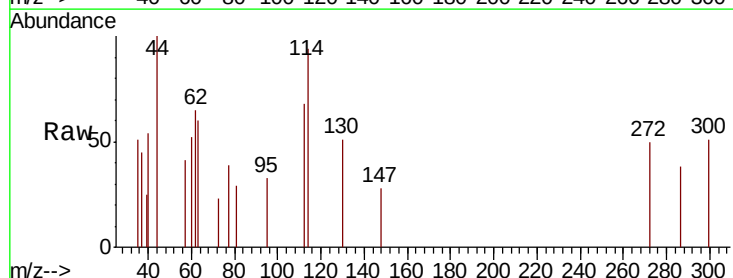
Ion Ratio Lower Upper

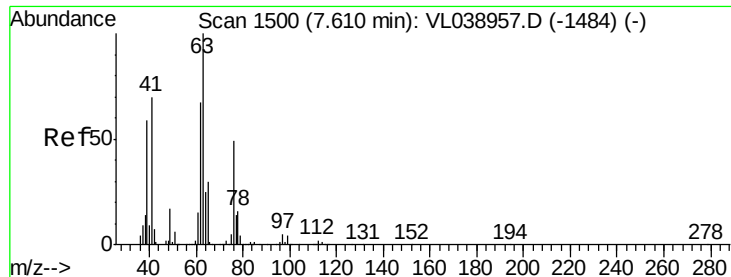
130 100

95 12.3 94.8 142.2#

132 0.0 75.8 113.8#

97 0.0 63.6 95.4#





#39

1,2-Dichloropropane

Concen: 0.123 ppbv

RT: 7.24 Instrument:

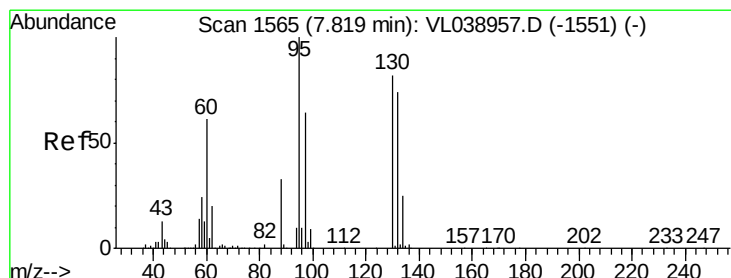
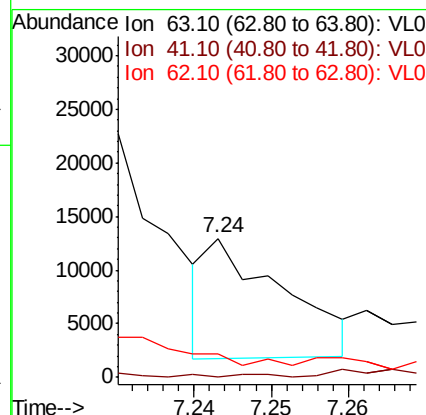
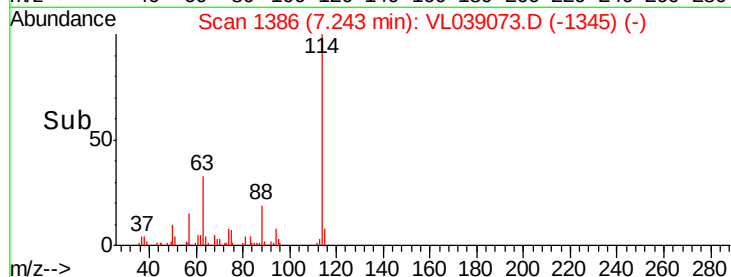
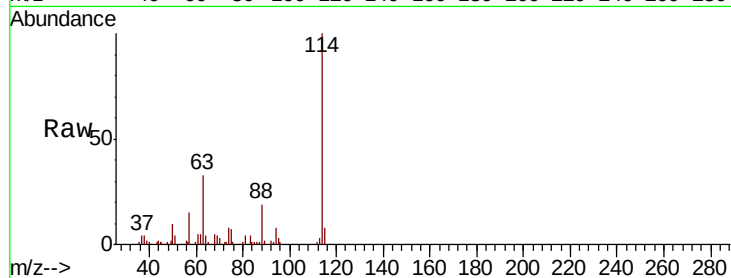
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 17:38

Tot Ion: 63 Resp: 7768

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	3.4	53.8	80.6#



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 7.83 min Scan# 1569

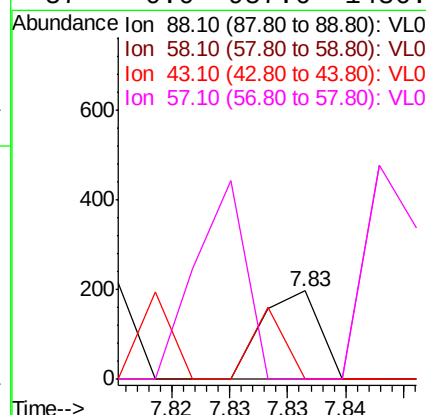
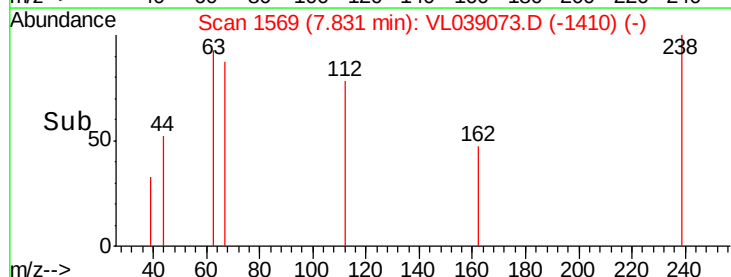
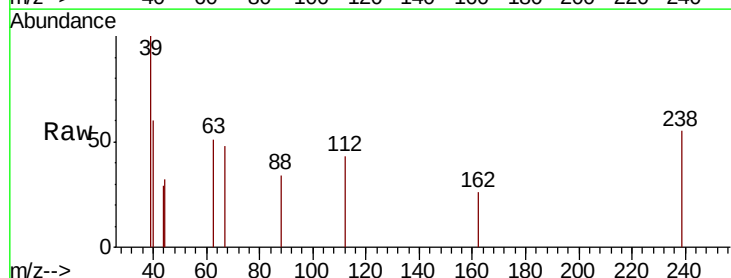
Delta R.T. 0.01 min

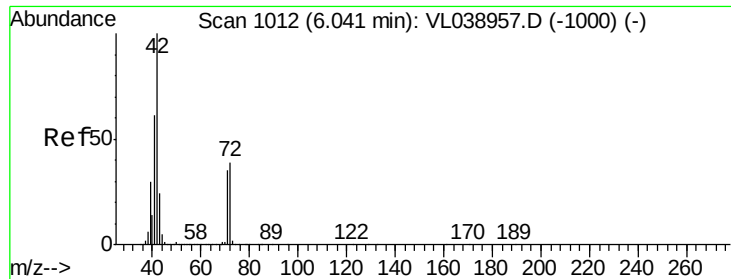
Lab File: VL039073.D

Acq: 17 May 2022 17:38

Tgt Ion: 88 Resp: 69

Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.1	159.1#
43	347.8	222.9	334.3#
57	0.0	957.6	1436.4#





#41

Tetrahydrofuran

Concen: 0.006 ppbv

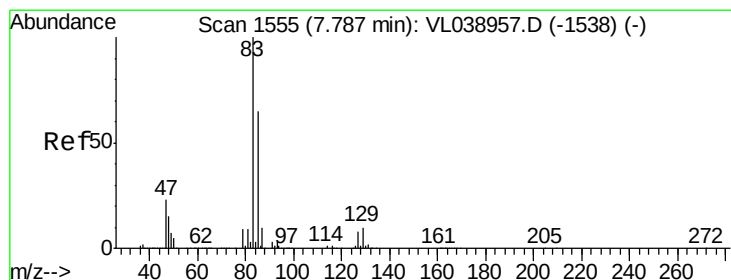
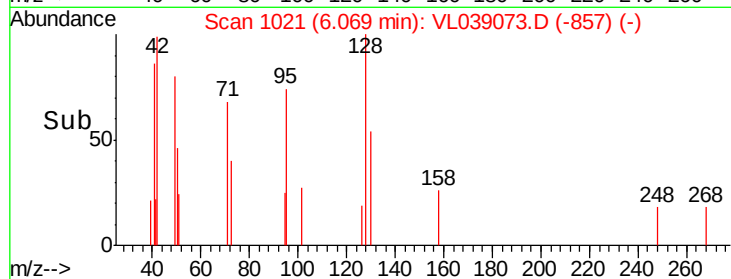
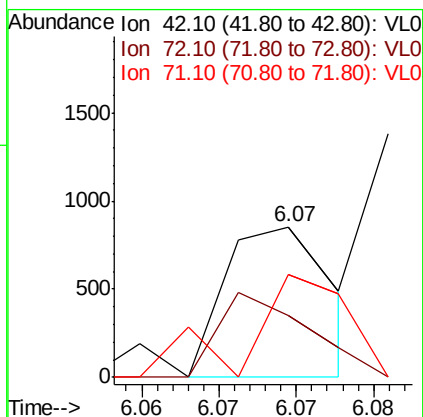
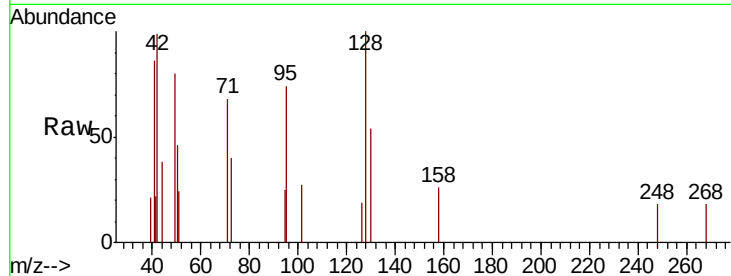
RT: 6.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 17:38

Tot Ion:	42	Resp:	409
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.6#
71	134.2	30.6	45.8#



#42

Bromodichloromethane

Concen: 0.003 ppbv

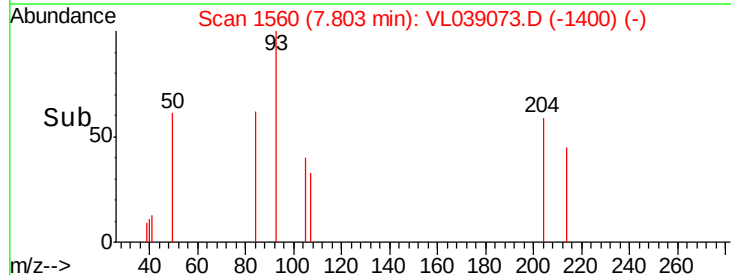
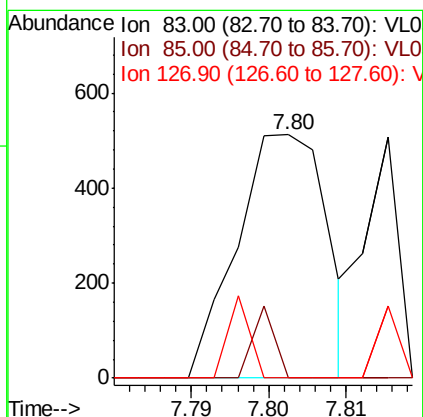
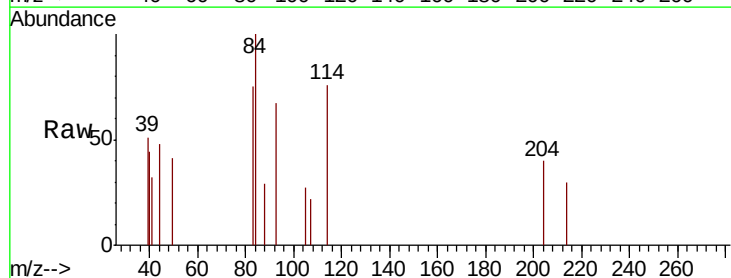
RT: 7.80 min Scan# 1560

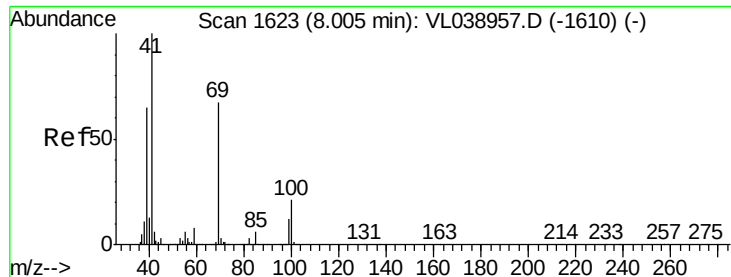
Delta R.T. 0.02 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

Tgt Ion:	83	Resp:	416
Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.0	78.0#
127	0.0	6.0	9.0#





#43

Methyl Methacrylate

Concen: 0.002 ppbv

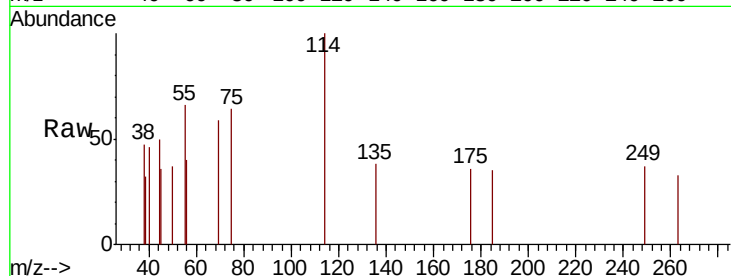
RT: 7.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 17:38

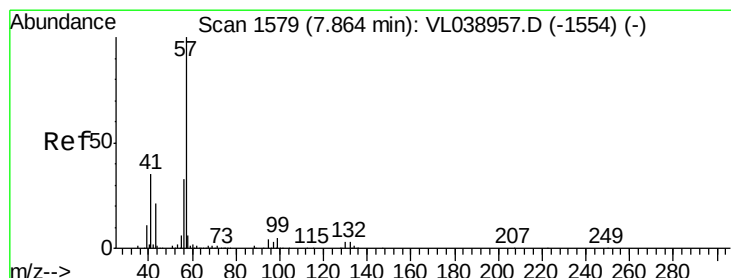
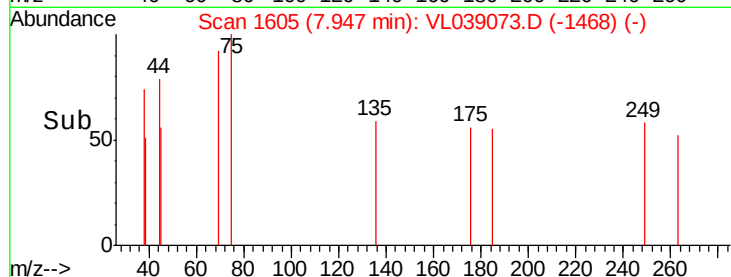
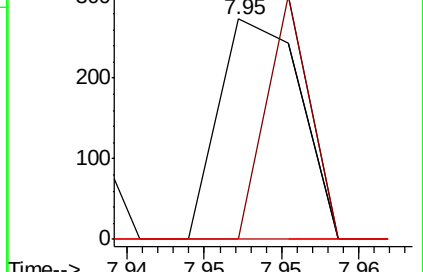
Tot Ion:	69	Resp:	100
Ion	Ratio	Lower	Upper
69	100		
41	77.0	121.9	182.9#
100	0.0	24.6	36.8#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.004 ppbv

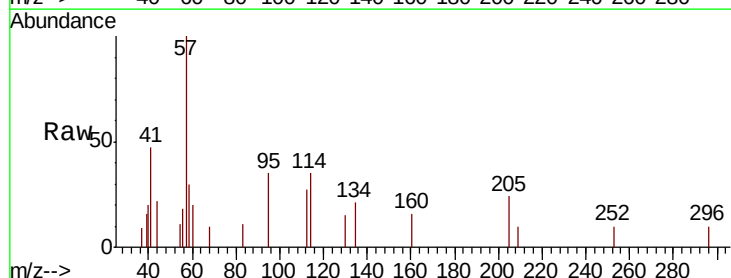
RT: 7.88 min Scan# 1584

Delta R.T. 0.02 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

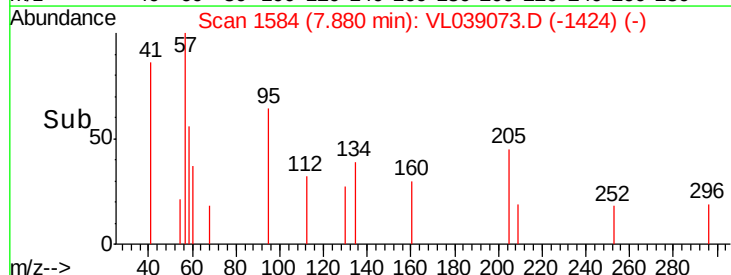
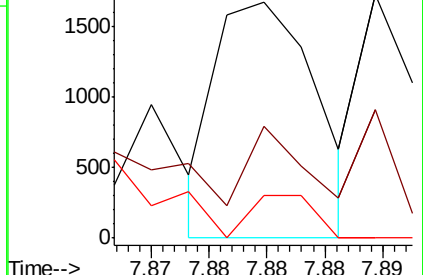
Tgt Ion:	57	Resp:	1012
Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.3	39.5#
56	0.0	24.6	37.0#

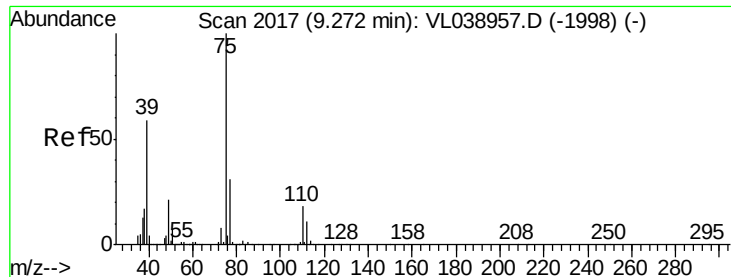


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

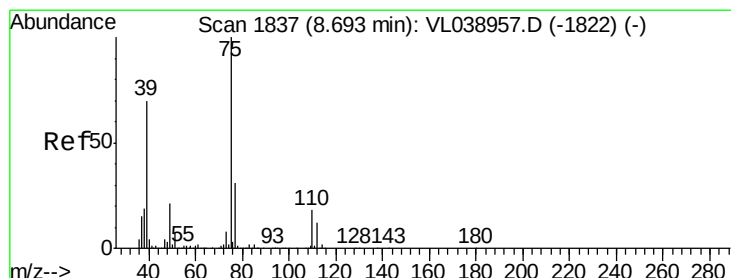
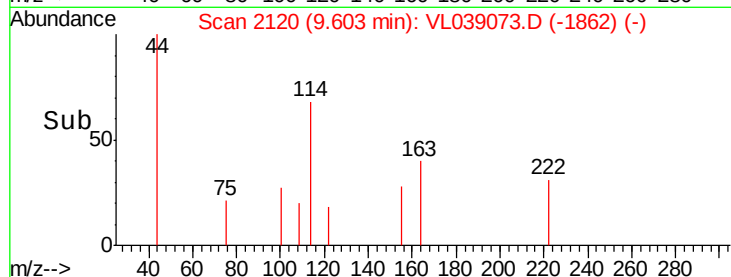
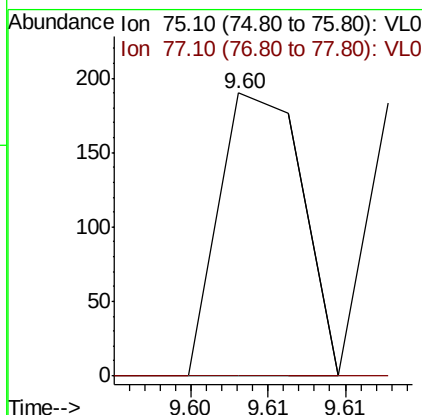
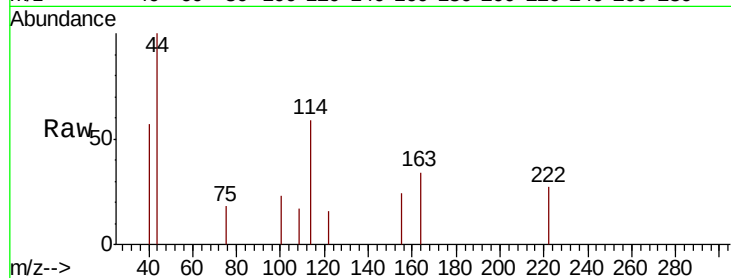
Ion 56.10 (55.80 to 56.80): VL0





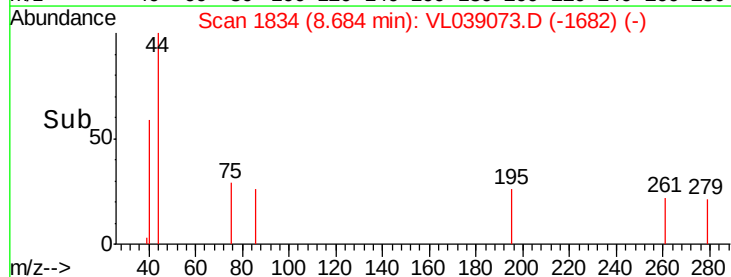
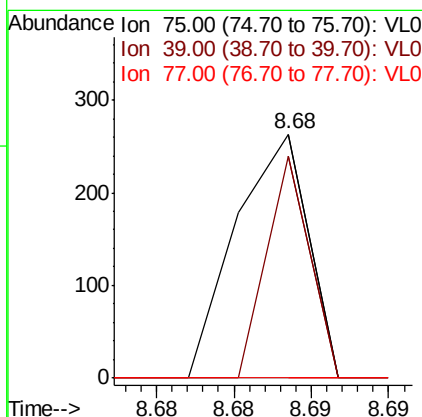
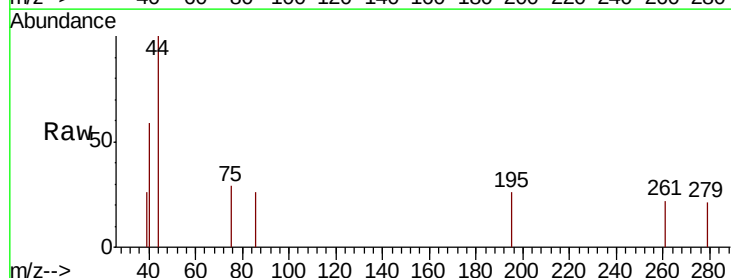
#45
 t-1,3-Dichloropropene
 Concen: 0.001 ppbv
 RT: 9.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 May 2022 17:38

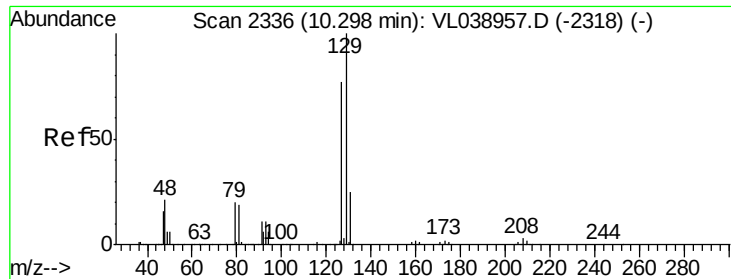
Tot Ion: 75 Resp: 71
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#



#46
 cis-1,3-Dichloropropene
 Concen: 0.001 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VL039073.D
 Acq: 17 May 2022 17:38

Tgt Ion: 75 Resp: 85
 Ion Ratio Lower Upper
 75 100
 39 91.3 55.8 83.6#
 77 0.0 24.8 37.2#





#48

Dibromochloromethane

Concen: 0.001 ppbv

RT: 10.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

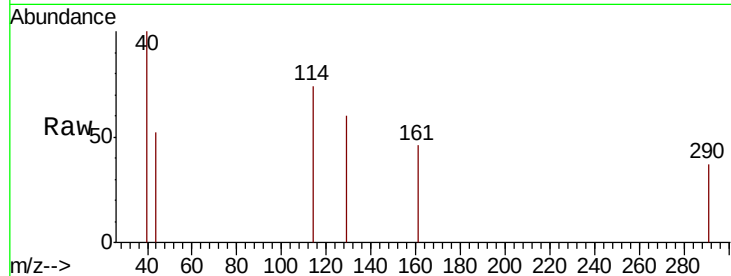
Acq: 17 May 2022 17:38

Tot Ion:129 Resp: 89

Ion Ratio Lower Upper

129 100

127 39.3 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.02

250

200

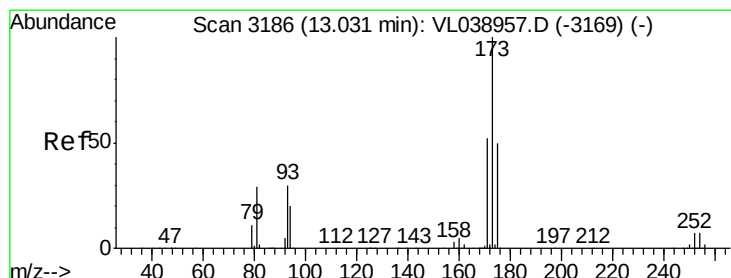
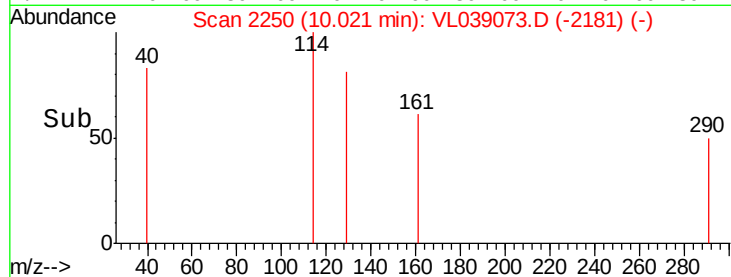
150

100

50

0

Time--> 10.01 10.02 10.02 10.03



#49

Bromoform

Concen: 0.001 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. 0.02 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

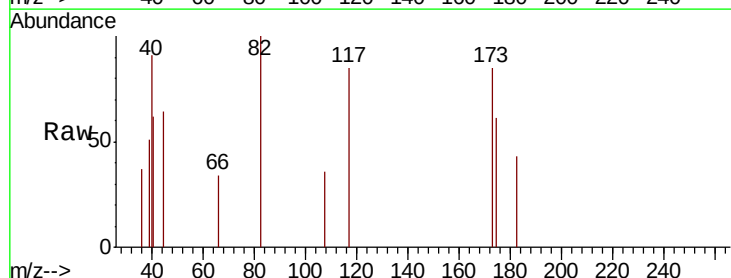
Tgt Ion:173 Resp: 112

Ion Ratio Lower Upper

173 100

175 27.7 41.0 61.6#

171 0.0 42.6 64.0#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

500

400

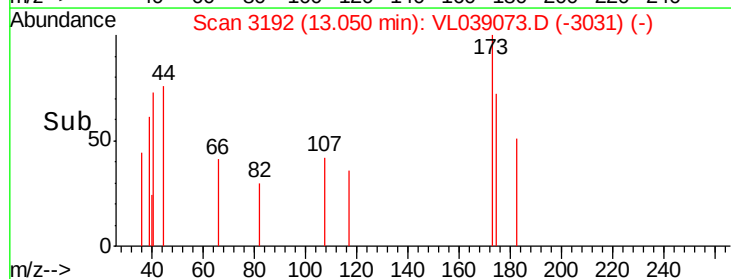
300

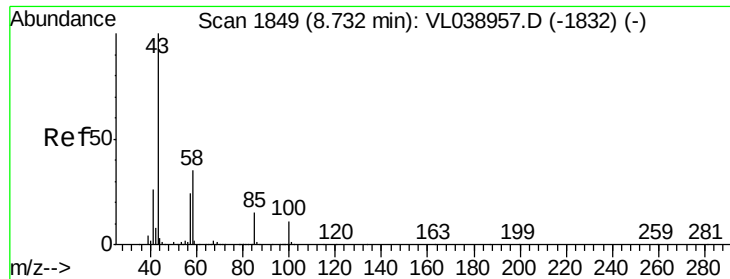
200

100

0

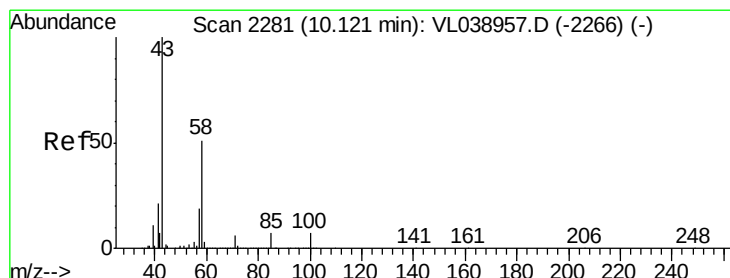
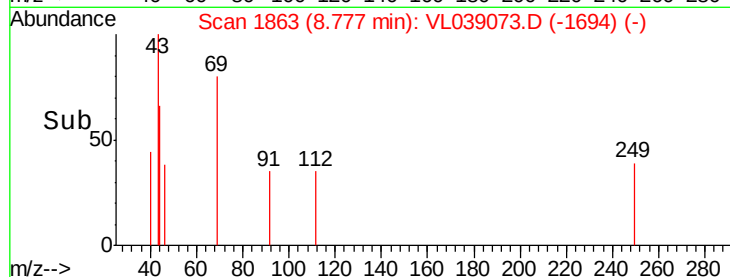
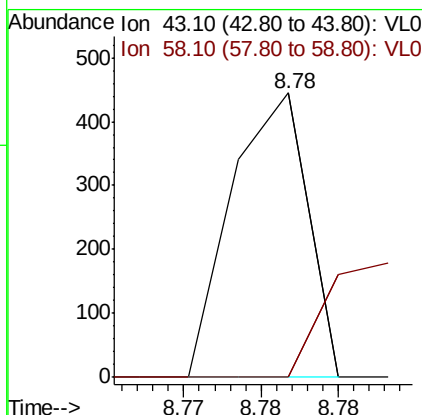
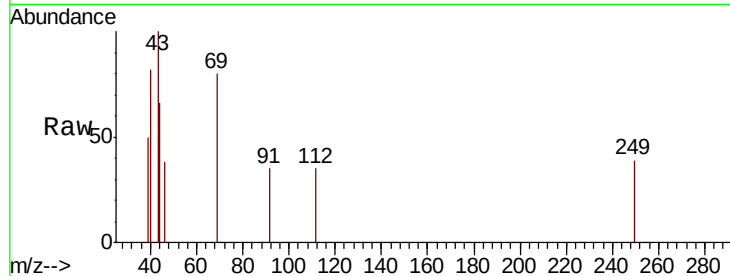
Time--> 13.04 13.05 13.05 13.06





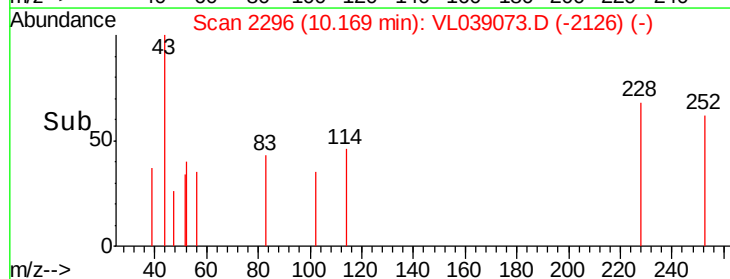
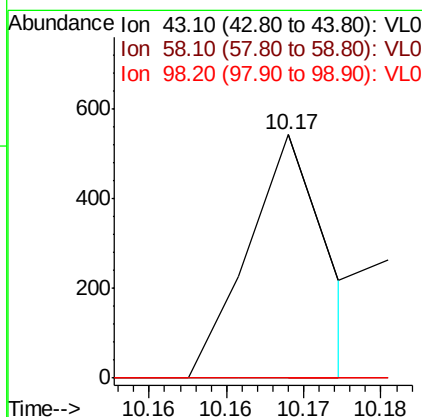
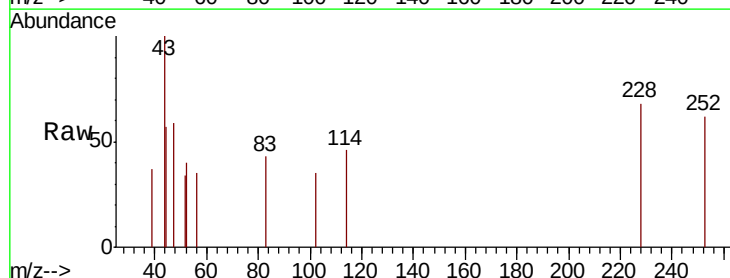
#50
 4-Methyl-2-Pentanone
 Concen: 0.001 ppbv
 RT: 8.78
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 May 2022 17:38

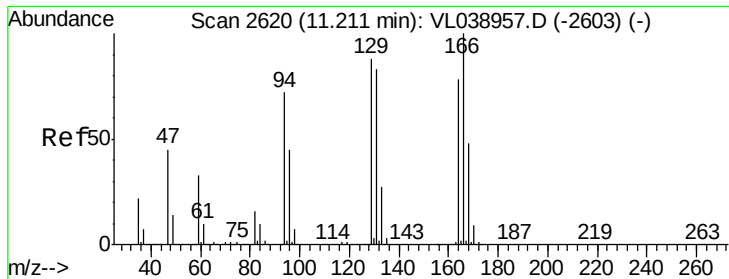
Tot Ion: 43 Resp: 152
 Ion Ratio Lower Upper
 43 100
 58 42.8 28.4 42.6#



#51
 2-Hexanone
 Concen: 0.002 ppbv
 RT: 10.17 min Scan# 2296
 Delta R.T. 0.05 min
 Lab File: VL039073.D
 Acq: 17 May 2022 17:38

Tgt Ion: 43 Resp: 190
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.3 58.9#
 98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 2.579 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 May 2022 17:38

Tot Ion:164 Resp: 149247

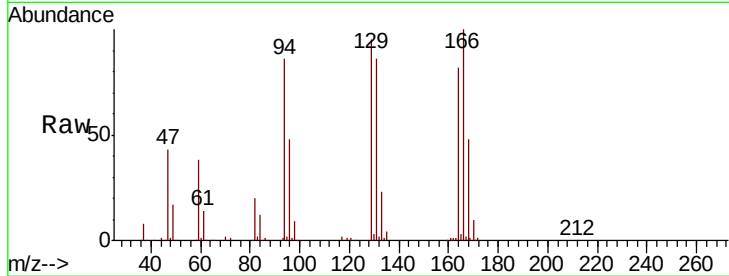
Ion Ratio Lower Upper

164 100

166 121.6 102.5 153.7

129 114.9 90.1 135.1

131 104.2 84.8 127.2

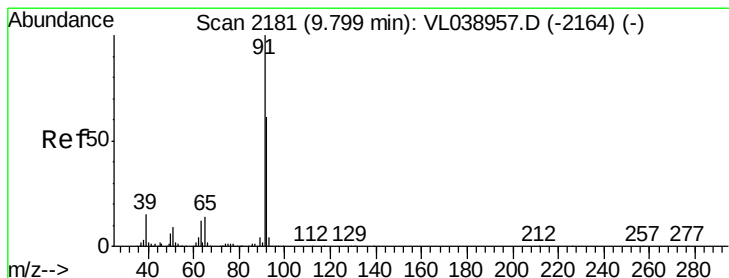
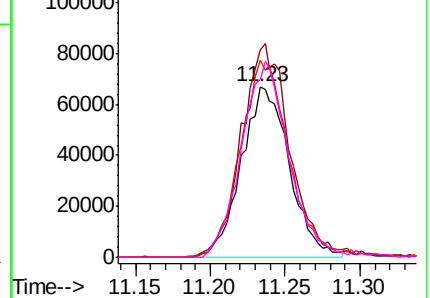
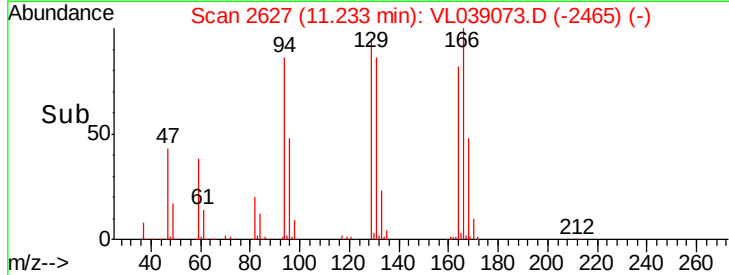


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.007 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. 0.03 min

Lab File: VL039073.D

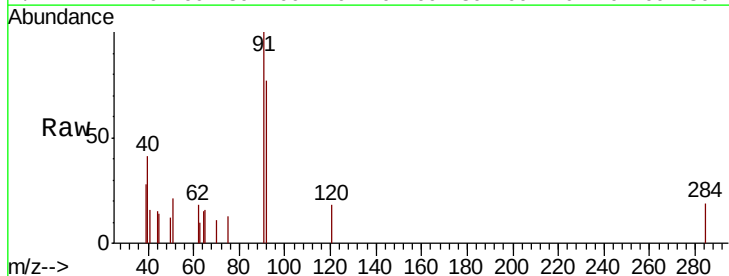
Acq: 17 May 2022 17:38

Tgt Ion: 91 Resp: 1315

Ion Ratio Lower Upper

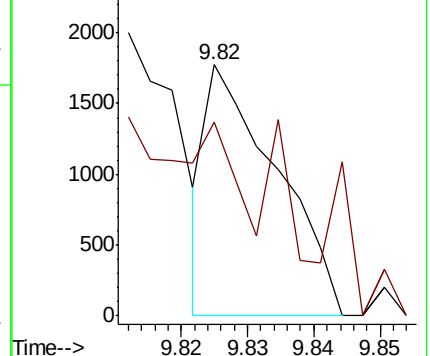
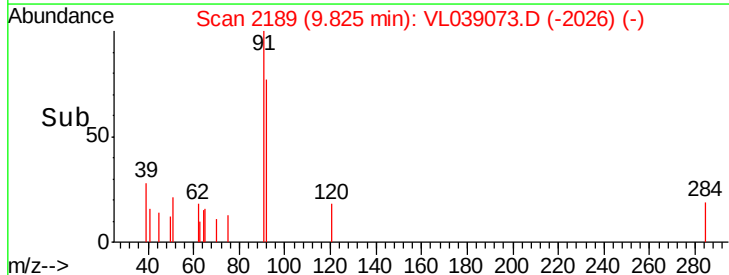
91 100

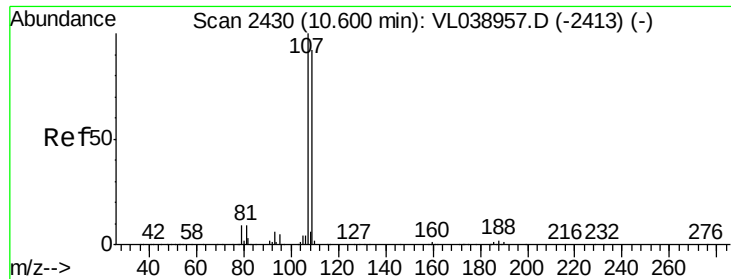
92 0.0 48.2 72.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

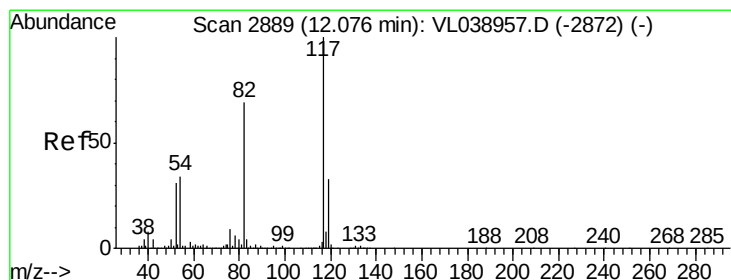
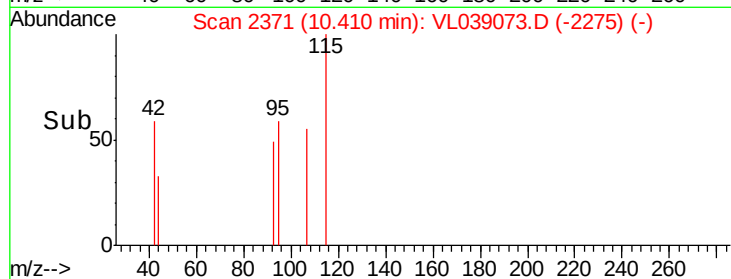
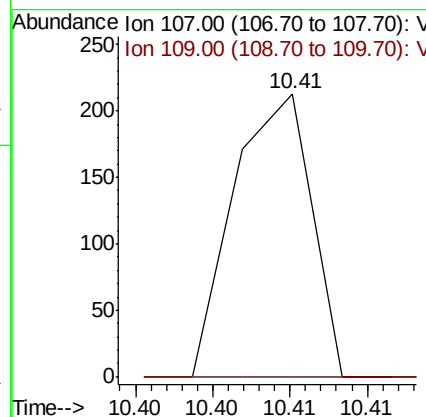
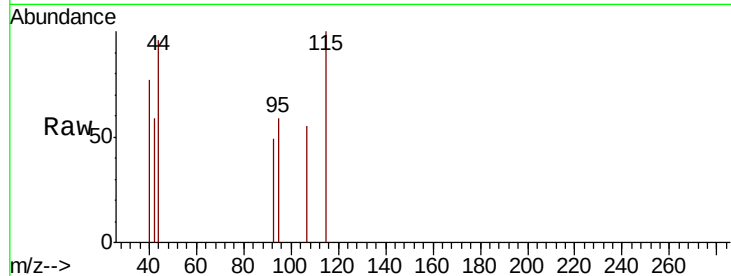
Ion 92.10 (91.80 to 92.80): VL0





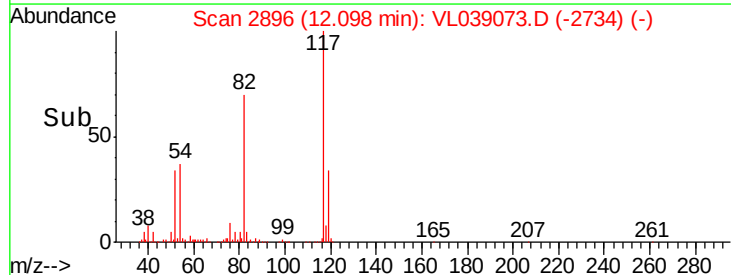
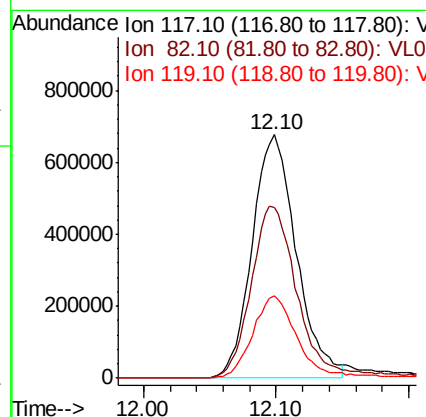
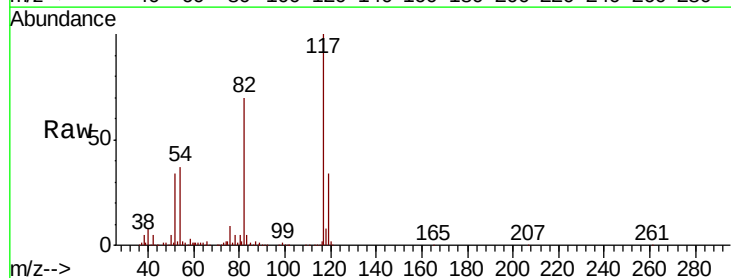
#54
 1,2-Dibromoethane
 Concen: 0.001 ppbv
 RT: 10.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 May 2022 17:38

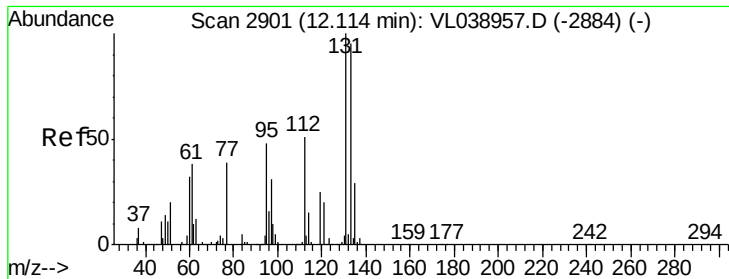
Tot Ion: 107 Resp: 74
 Ion Ratio Lower Upper
 107 100
 109 0.0 73.8 110.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2896
 Delta R.T. 0.02 min
 Lab File: VL039073.D
 Acq: 17 May 2022 17:38

Tgt Ion: 117 Resp: 1565141
 Ion Ratio Lower Upper
 117 100
 82 77.0 57.0 85.6
 119 34.8 27.2 40.8





#56

1,1,1,2-Tetrachloroethane

Concen: 0.002 ppbv

RT: 12.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 17:38

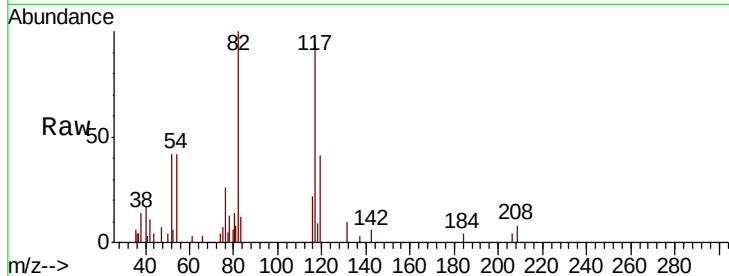
Tot Ion:131 Resp: 146

Ion Ratio Lower Upper

131 100

133 0.0 76.9 115.3#

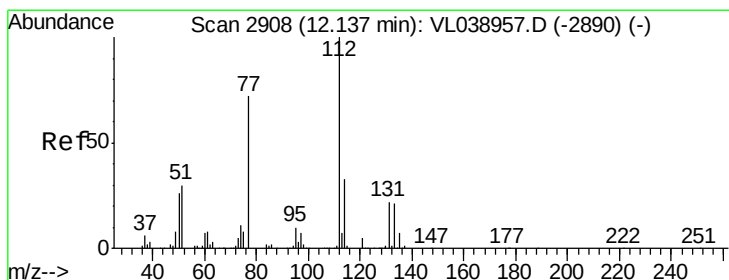
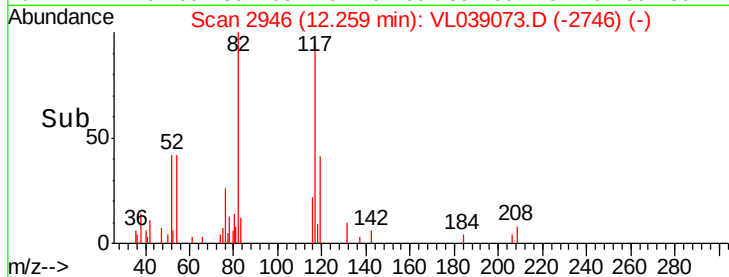
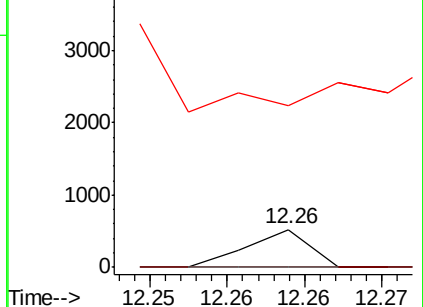
119 375460.3 47.4 71.0#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.001 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.02 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

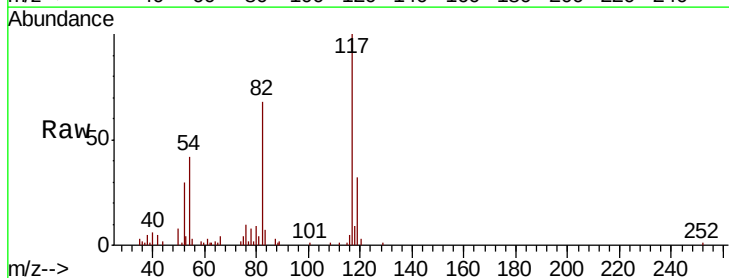
Tgt Ion:112 Resp: 87

Ion Ratio Lower Upper

112 100

77 0.0 57.7 86.5#

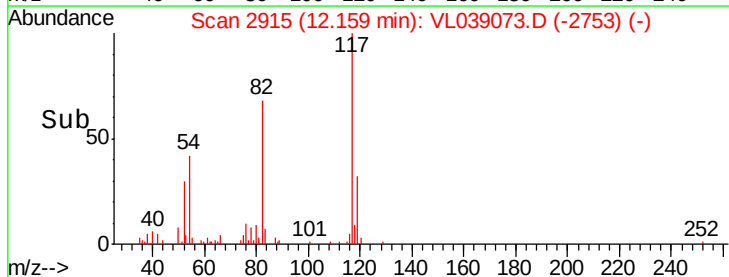
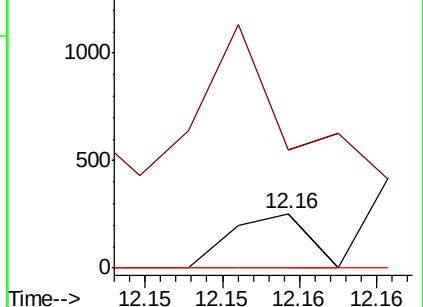
114 0.0 30.1 36.7#

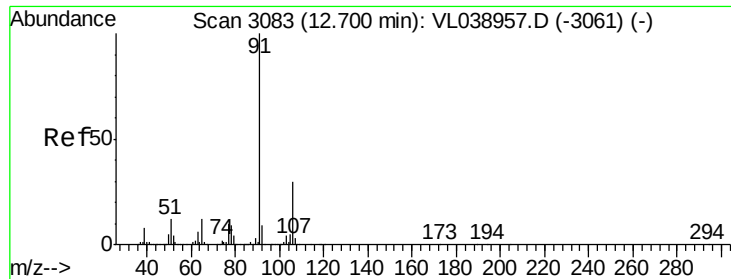


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.003 ppbv

RT: 12.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

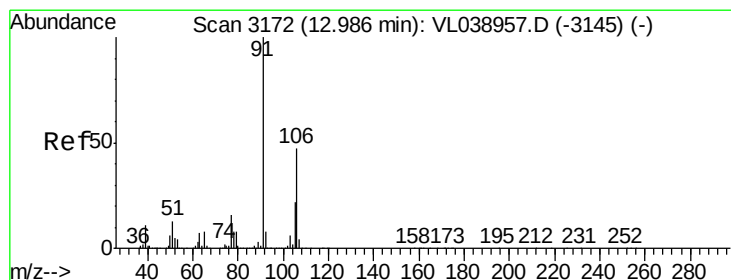
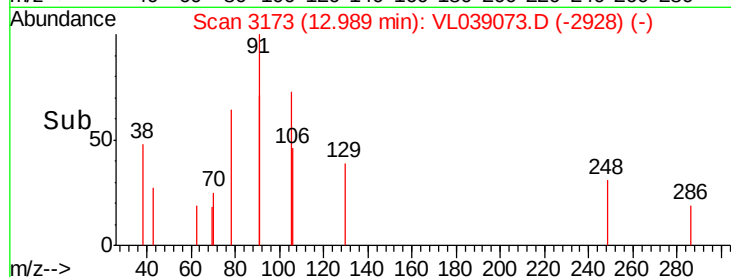
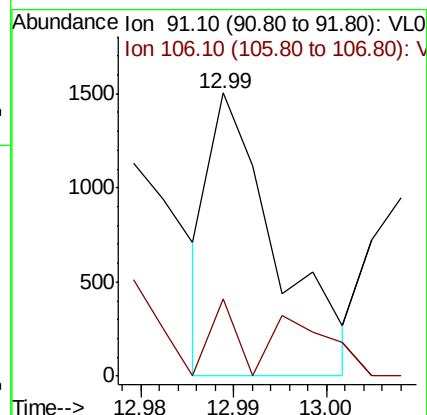
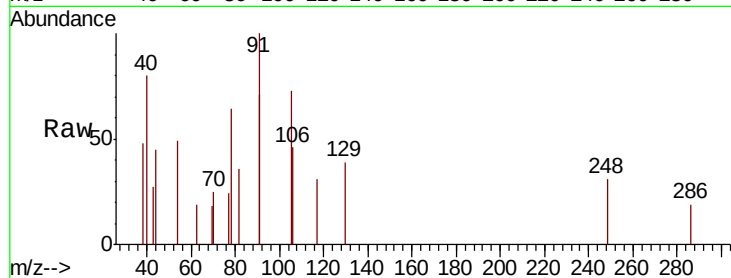
Acq: 17 May 2022 17:38

Tot Ion: 91 Resp: 749

Ion Ratio Lower Upper

91 100

106 33.0 24.2 36.4



#59

m/p-Xylene

Concen: 0.003 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. 0.02 min

Lab File: VL039073.D

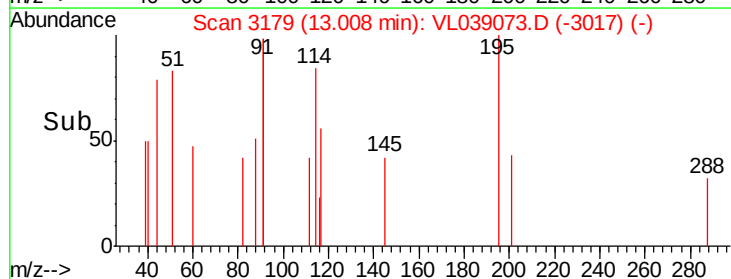
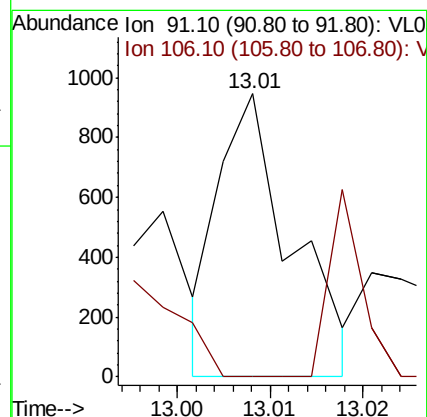
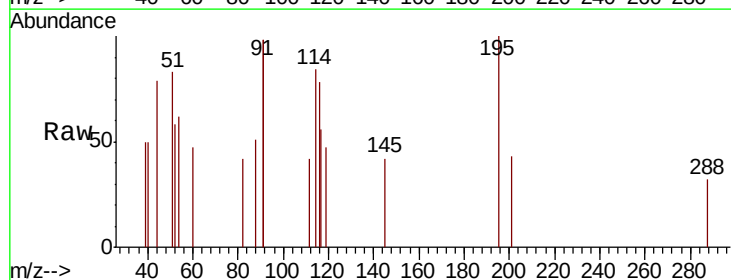
Acq: 17 May 2022 17:38

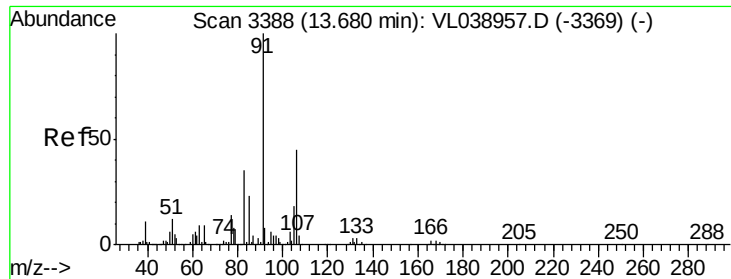
Tgt Ion: 91 Resp: 516

Ion Ratio Lower Upper

91 100

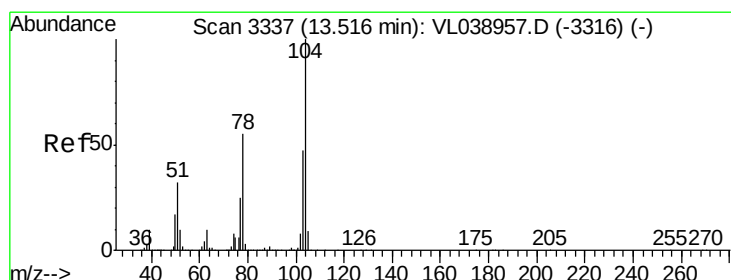
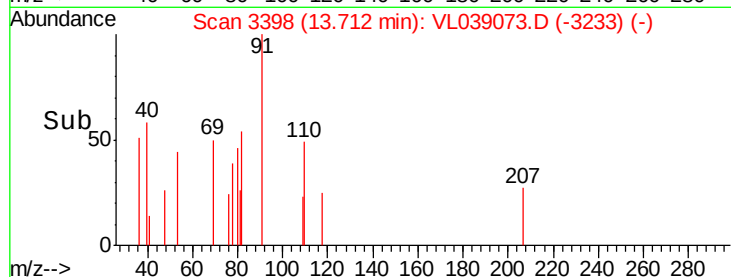
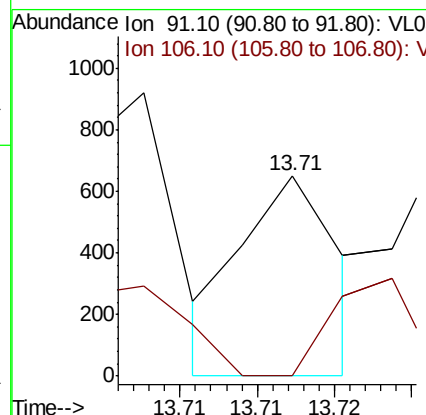
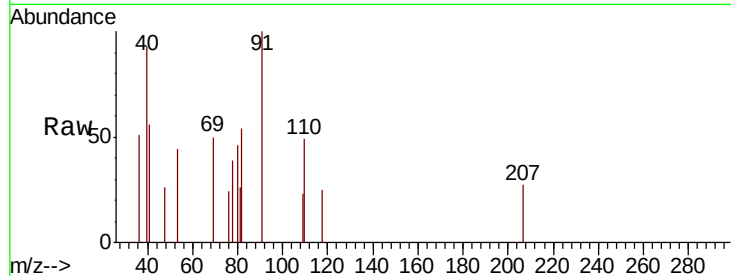
106 0.0 34.6 52.0#





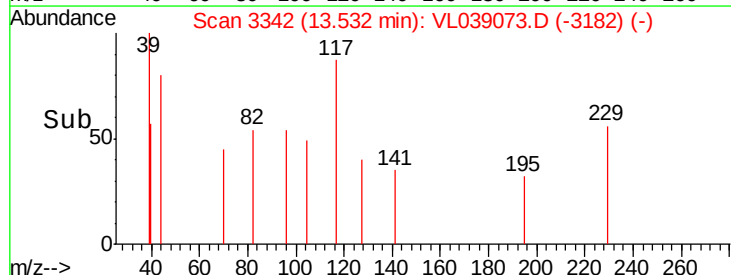
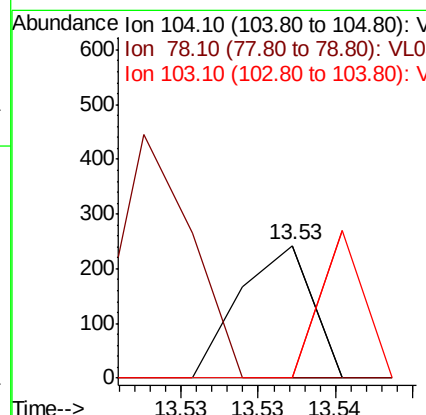
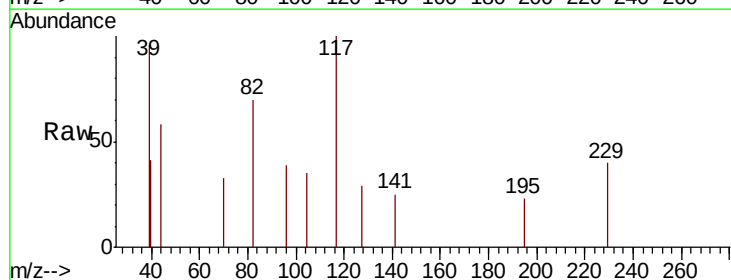
#60
o-Xylene
Concen: 0.002 ppbv
RT: 13.71 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 May 2022 17:38

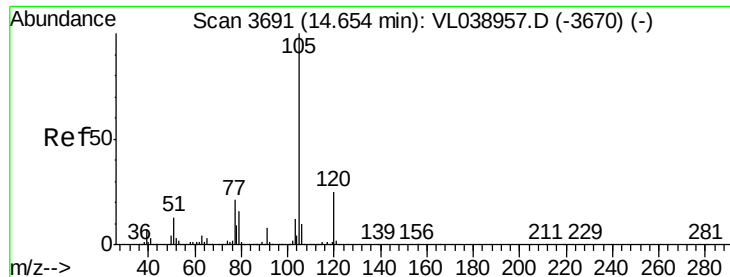
Tot Ion: 91 Resp: 284
Ion Ratio Lower Upper
91 100
106 0.0 22.2 66.6#



#61
Styrene
Concen: 0.001 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. 0.02 min
Lab File: VL039073.D
Acq: 17 May 2022 17:38

Tgt Ion: 104 Resp: 79
Ion Ratio Lower Upper
104 100
78 220.3 46.4 69.6#
103 0.0 39.3 58.9#





#62

Isopropylbenzene

Concen: 0.002 ppbv

RT: 14.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

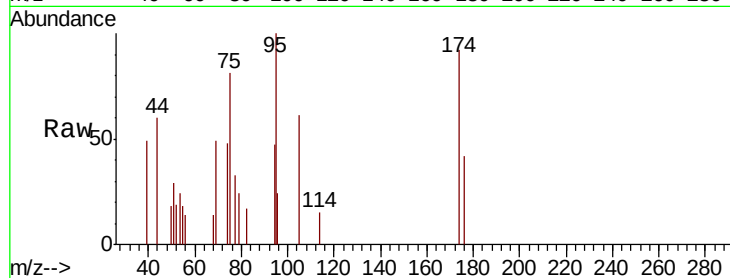
Acq: 17 May 2022 17:38

Tot Ion: 105 Resp: 433

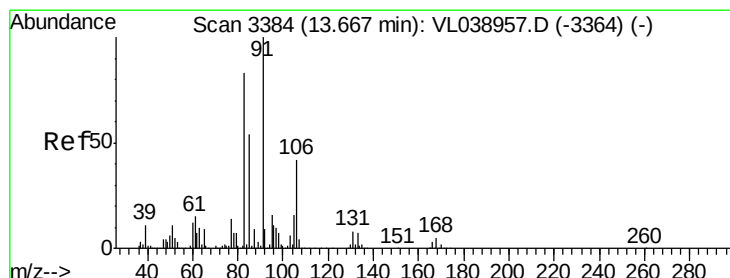
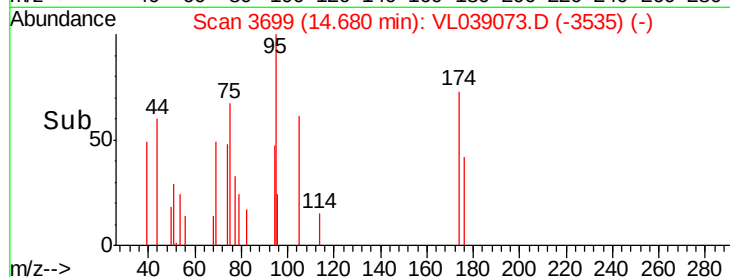
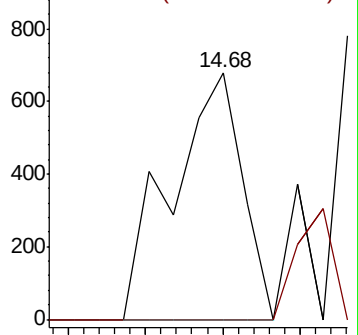
Ion Ratio Lower Upper

105 100

120 0.0 20.5 30.7#



Abundance Ion 105.10 (104.80 to 105.80): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.03 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

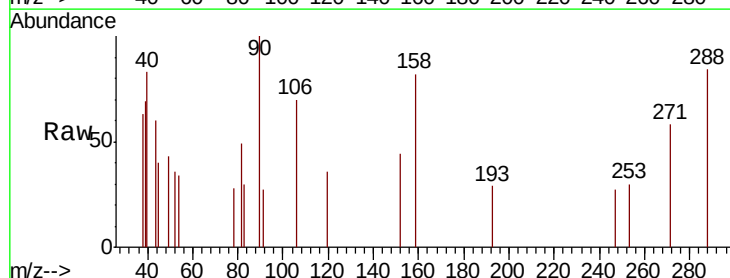
Tgt Ion: 83 Resp: 67

Ion Ratio Lower Upper

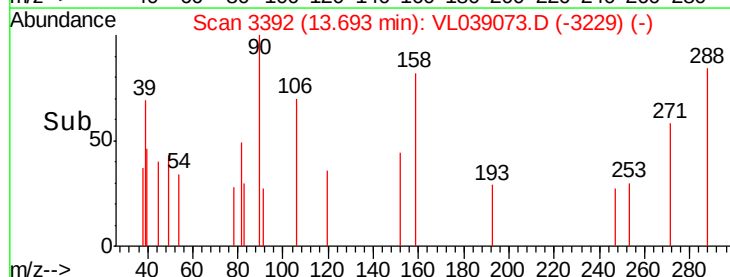
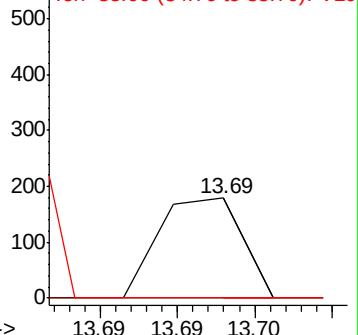
83 100

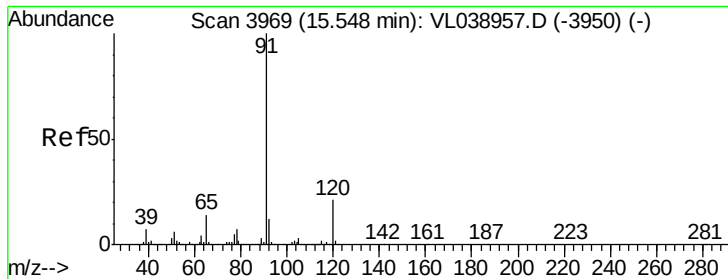
131 0.0 4.5 13.7#

85 0.0 32.8 98.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0





#64

n-propylbenzene

Concen: 0.002 ppbv

RT: 15.55

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

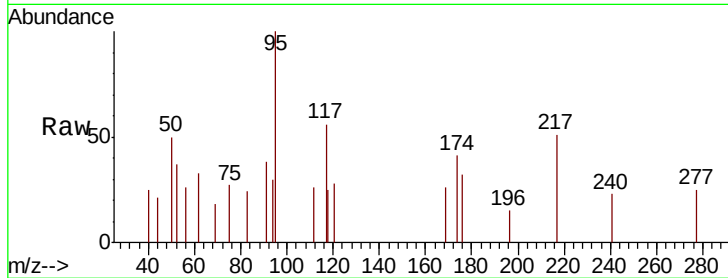
Acq: 17 May 2022 17:38

Tot Ion:120 Resp: 99

Ion Ratio Lower Upper

120 100

91 1025.3 400.6 601.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

600

400

200

0

15.55

15.56

15.57

15.58

15.59

15.60

15.61

15.62

15.63

15.64

15.65

15.66

15.67

15.68

15.69

15.70

15.71

15.72

15.73

15.74

15.75

15.76

15.77

15.78

15.79

15.80

15.81

15.82

15.83

15.84

15.85

15.86

15.87

15.88

15.89

15.90

15.91

15.92

15.93

15.94

15.95

15.96

15.97

15.98

15.99

16.00

16.01

16.02

16.03

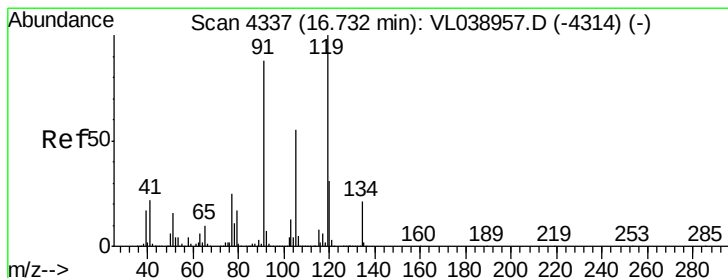
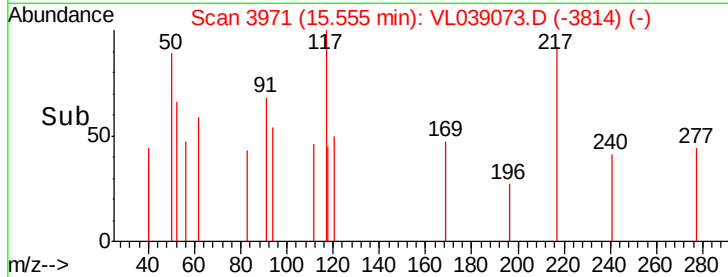
16.04

16.05

16.06

16.07

16.08



#65

tert-Butylbenzene

Concen: 0.000 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.03 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

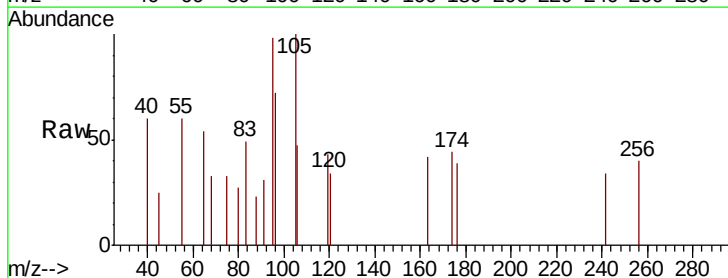
Tgt Ion:119 Resp: 59

Ion Ratio Lower Upper

119 100

91 0.0 69.4 104.2#

134 0.0 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

400

300

200

100

0

16.75

16.76

16.77

16.78

16.79

16.80

16.81

16.82

16.83

16.84

16.85

16.86

16.87

16.88

16.89

16.90

16.91

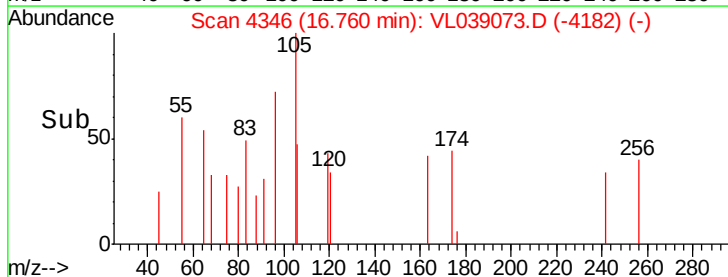
16.92

16.93

16.94

16.95

16.96



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

400

300

200

100

0

16.75

16.76

16.77

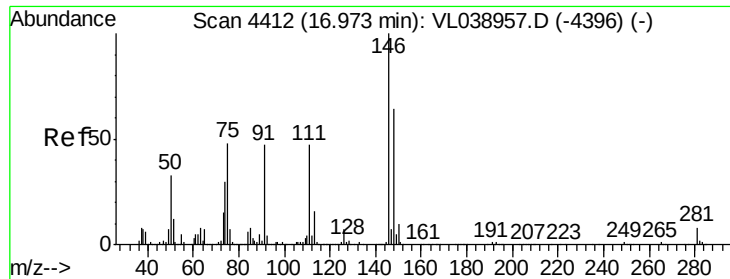
16.78

16.79

16.80

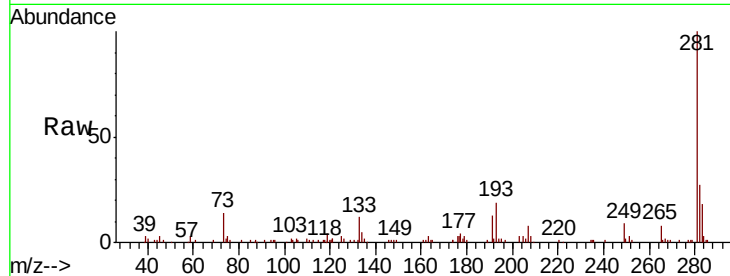
16.81

16.82



#66
Benzyl Chloride
Concen: 0.005 ppbv
RT: 17.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 17 May 2022 17:38

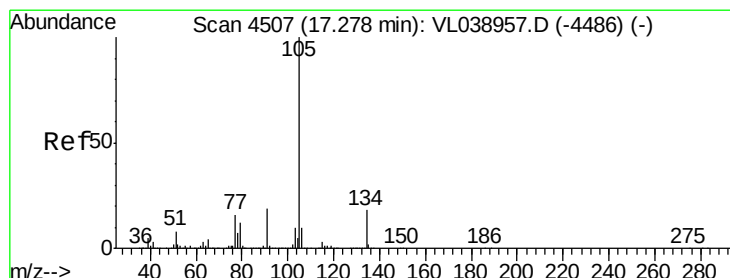
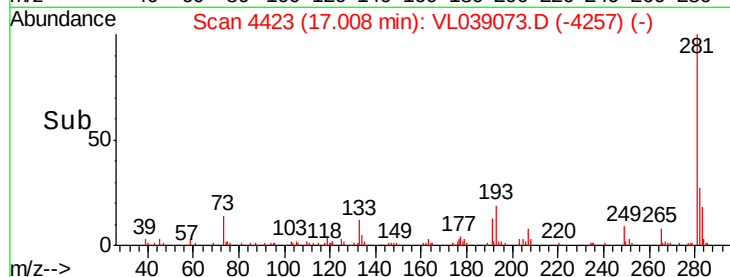
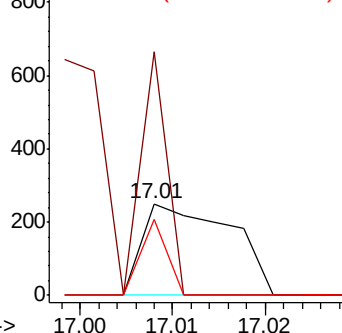
Tot Ion	Ratio	Lower	Upper
91	100		
126	675.0	11.8	17.6#
128	0.0	4.2	6.2#



Abundance Ion 91.10 (90.80 to 91.80): VL038957.D (-4396) (-)

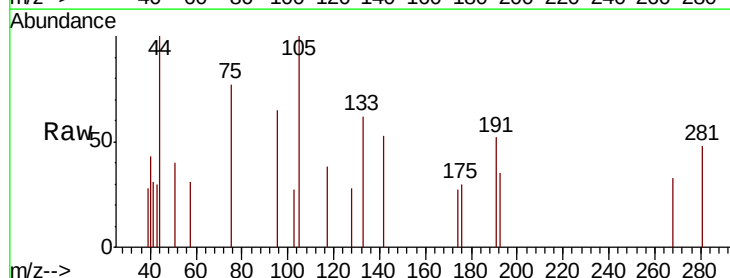
Ion 126.10 (125.80 to 126.80): VL038957.D (-4396) (-)

Ion 128.10 (127.80 to 128.80): VL038957.D (-4396) (-)



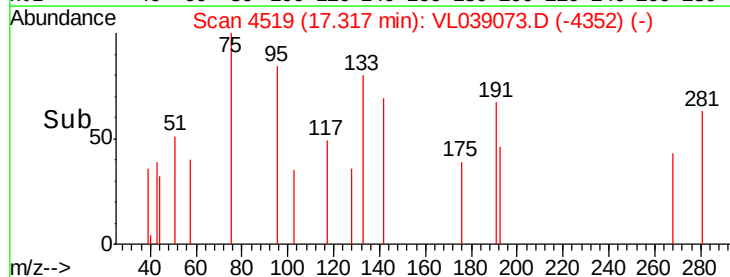
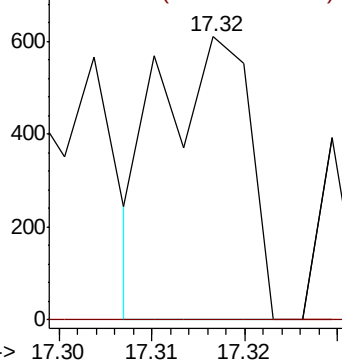
#67
sec-Butylbenzene
Concen: 0.001 ppbv
RT: 17.32 min Scan# 4519
Delta R.T. 0.04 min
Lab File: VL039073.D
Acq: 17 May 2022 17:38

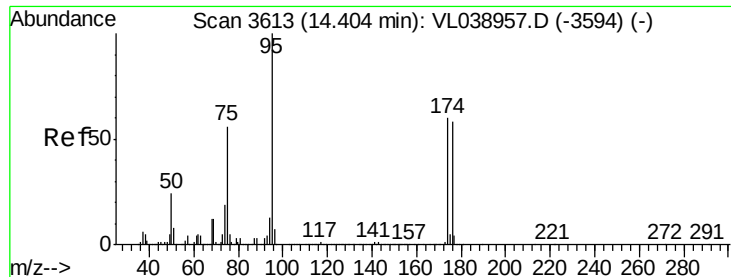
Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.2	21.4#



Abundance Ion 105.10 (104.80 to 105.80): VL038957.D (-4486) (-)

Ion 134.20 (133.90 to 134.90): VL038957.D (-4486) (-)





#68

1-Bromo-4-Fluorobenzene

Concen: 10.480 ppbv

RT: 14.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 May 2022 17:38

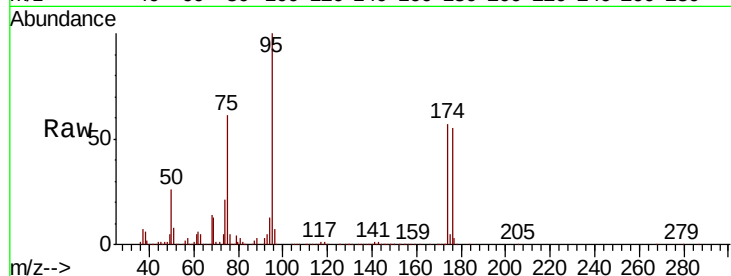
Tot Ion: 95 Resp: 1299001

Ion Ratio Lower Upper

95 100

174 62.1 50.8 76.2

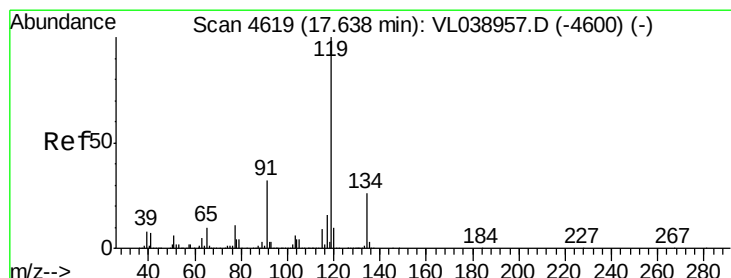
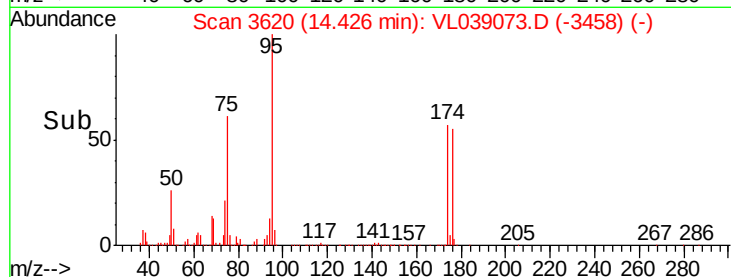
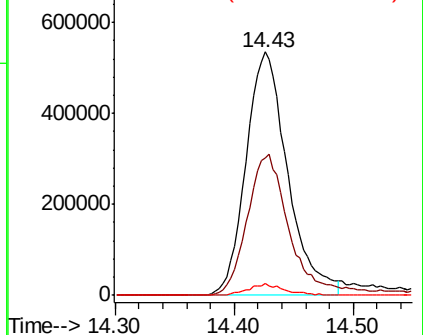
175 4.3 3.8 5.6



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: 0.001 ppbv

RT: 17.67 min Scan# 4628

Delta R.T. 0.03 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

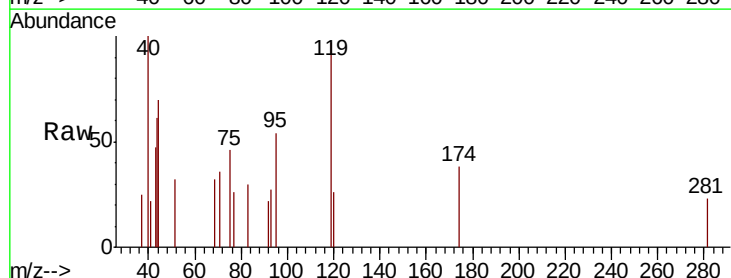
Tgt Ion: 119 Resp: 190

Ion Ratio Lower Upper

119 100

134 0.0 20.0 30.0#

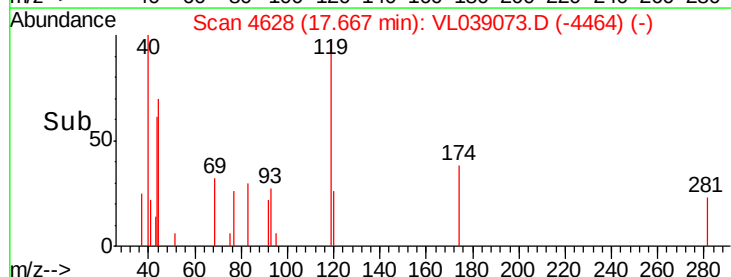
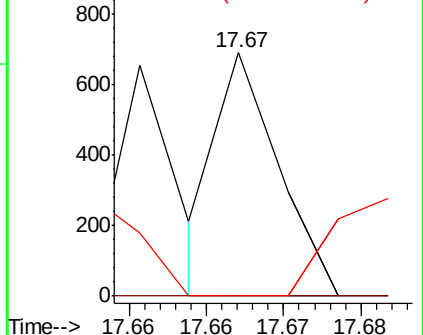
91 0.0 24.8 37.2#

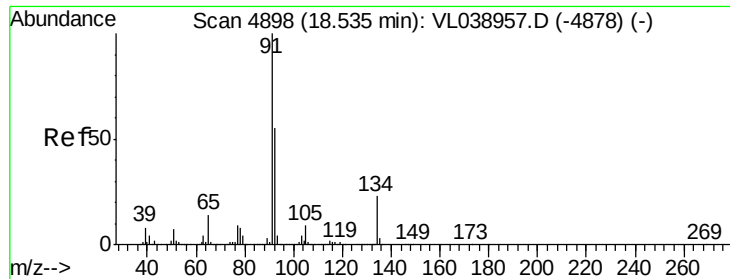


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

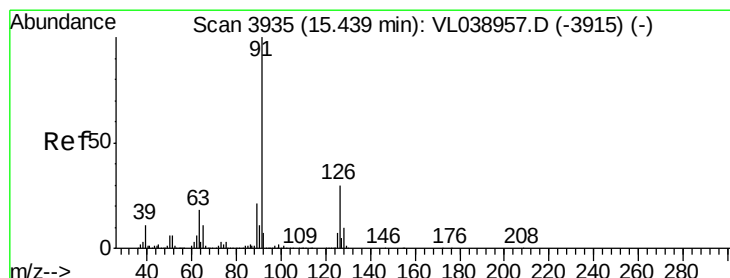
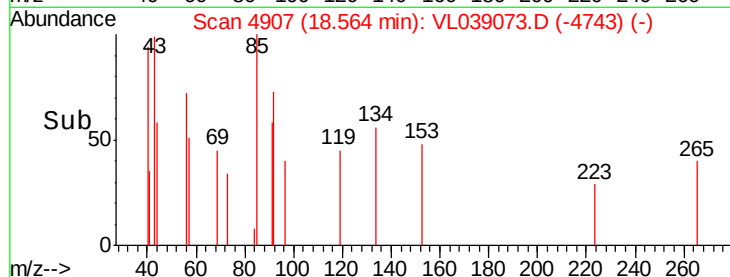
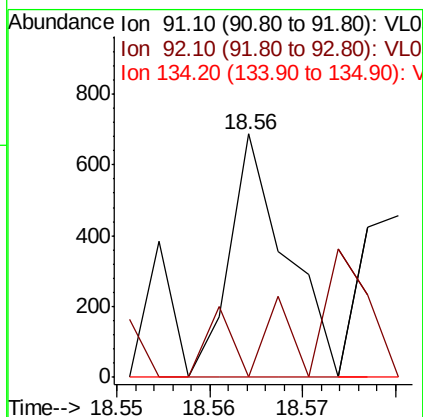
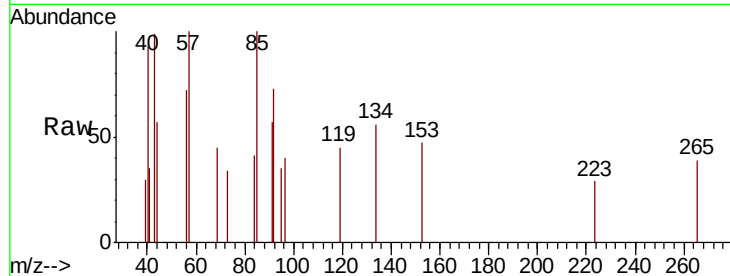
Ion 91.10 (90.80 to 91.80): VL0





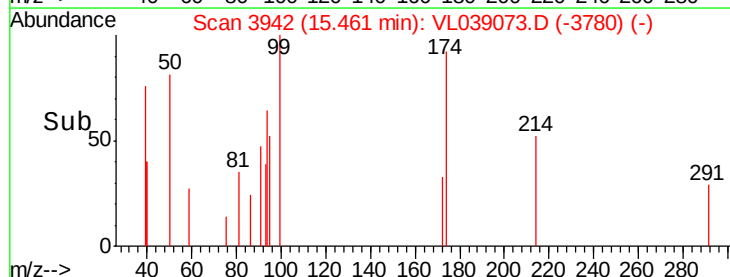
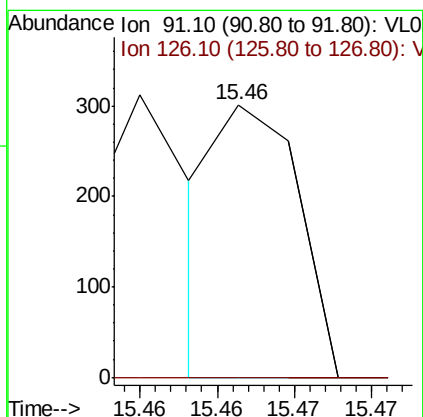
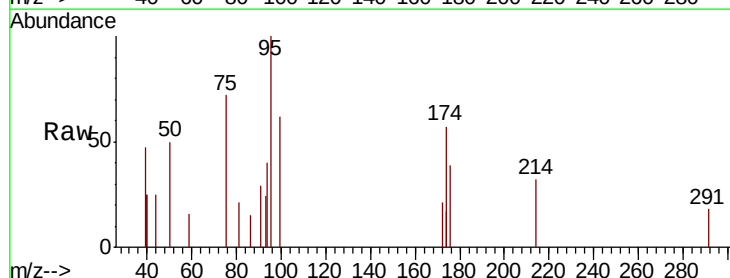
#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 18.56 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 May 2022 17:38

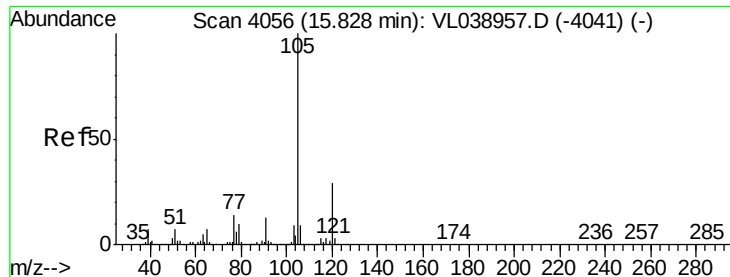
Tot Ion: 91 Resp: 291
Ion Ratio Lower Upper
91 100
92 0.0 43.1 64.7#
134 0.0 17.0 25.4#



#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 15.46 min Scan# 3942
Delta R.T. 0.02 min
Lab File: VL039073.D
Acq: 17 May 2022 17:38

Tgt Ion: 91 Resp: 108
Ion Ratio Lower Upper
91 100
126 0.0 11.9 47.5#





#72

4-Ethyltoluene

Concen: 0.001 ppbv

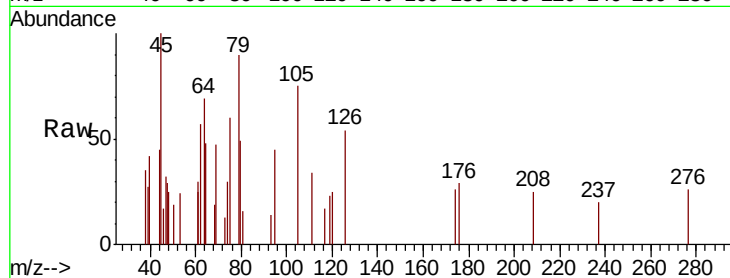
RT: 15.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 May 2022 17:38

Tot Ion:	105	Resp:	163
Ion	Ratio	Lower	Upper
105	100		
120	131.9	23.4	35.0#
91	0.0	10.6	16.0#
77	0.0	12.5	18.7#



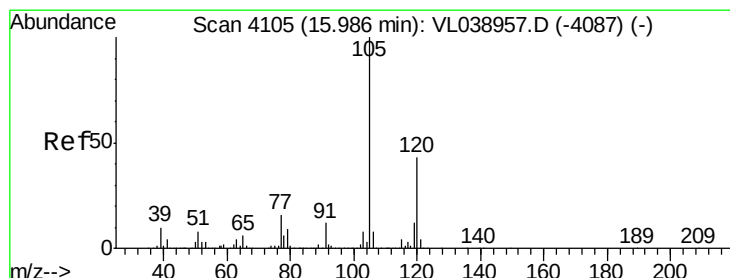
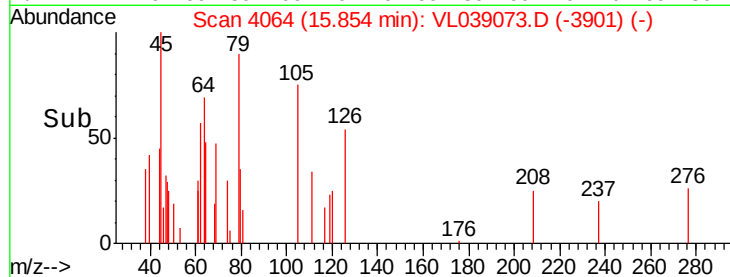
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO

Time-->



#73

1,3,5-Trimethylbenzene

Concen: 0.001 ppbv

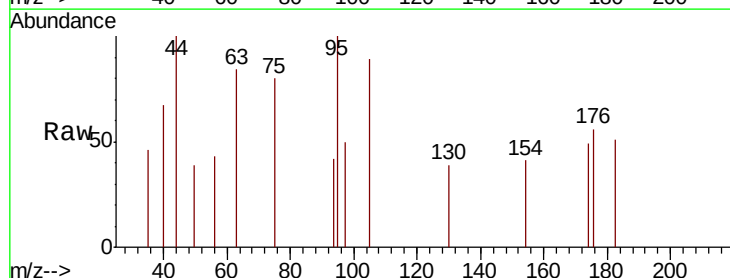
RT: 16.02 min Scan# 4116

Delta R.T. 0.04 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

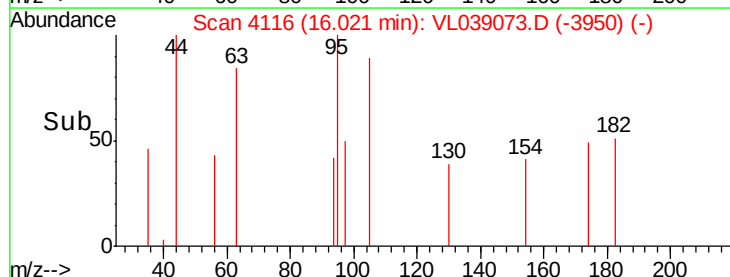
Tgt Ion:	105	Resp:	205
Ion	Ratio	Lower	Upper
105	100		
120	0.0	34.4	51.6#



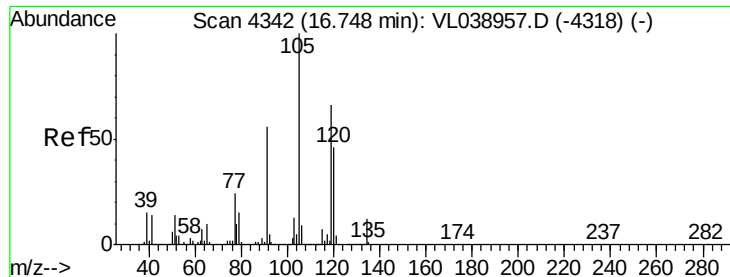
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Time-->



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.002 ppbv

RT: 16.78 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 May 2022 17:38

Tot Ion:105 Resp: 471

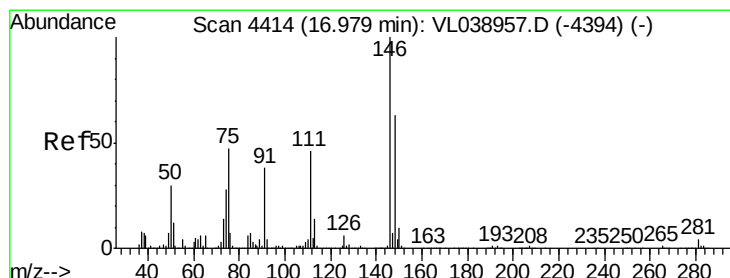
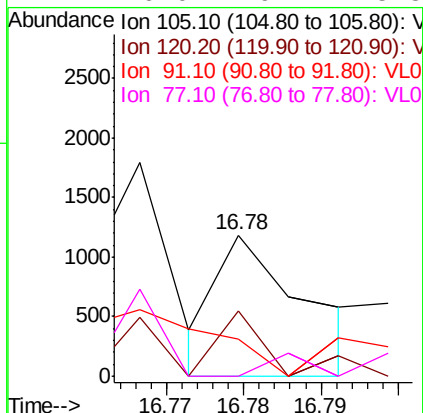
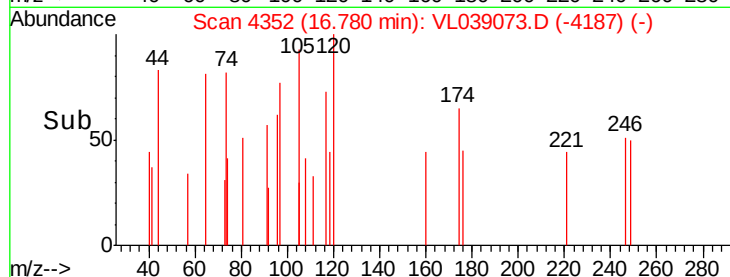
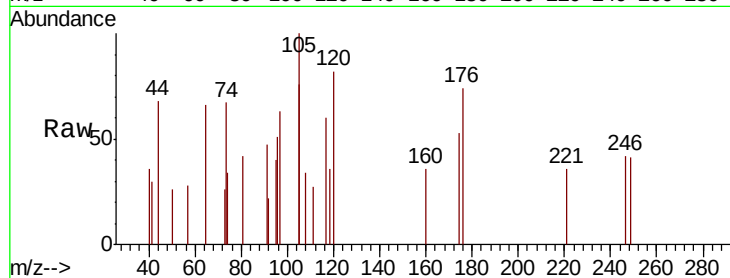
Ion Ratio Lower Upper

105 100

120 69.0 36.9 55.3#

91 0.0 45.0 67.4#

77 0.0 19.2 28.8#



#75

1,3-Dichlorobenzene

Concen: 0.001 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.03 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

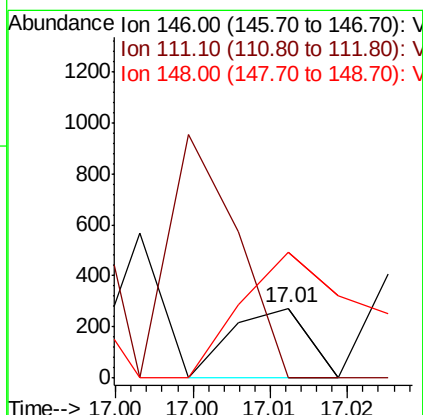
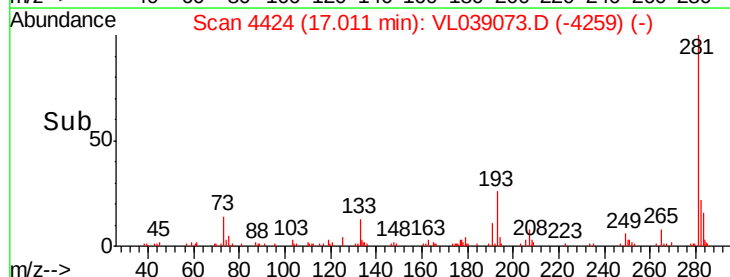
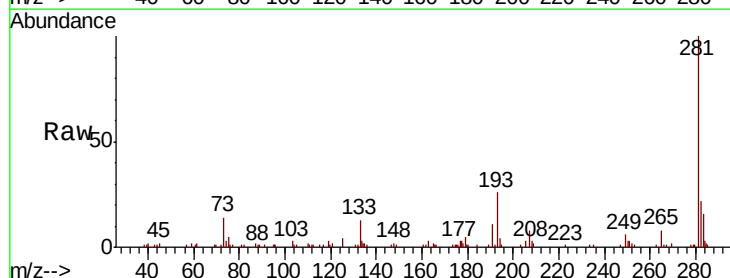
Tgt Ion:146 Resp: 95

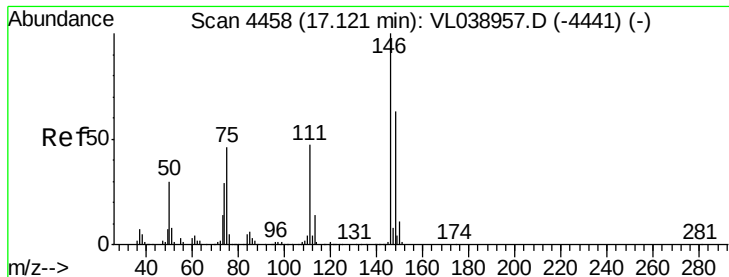
Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.2#

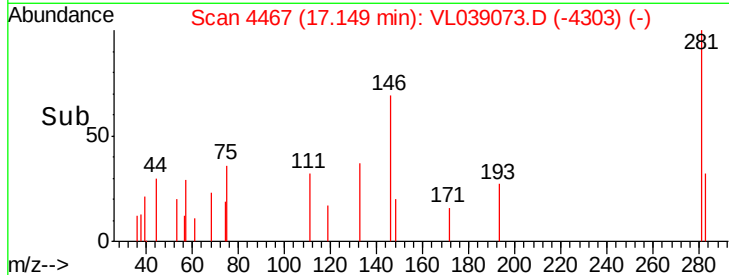
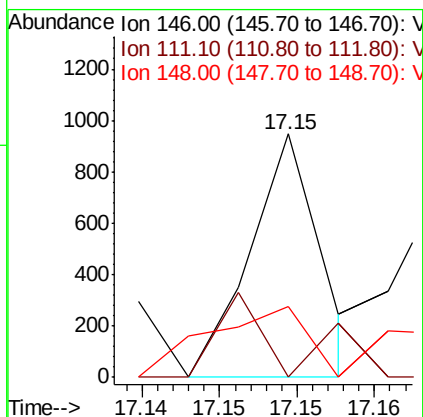
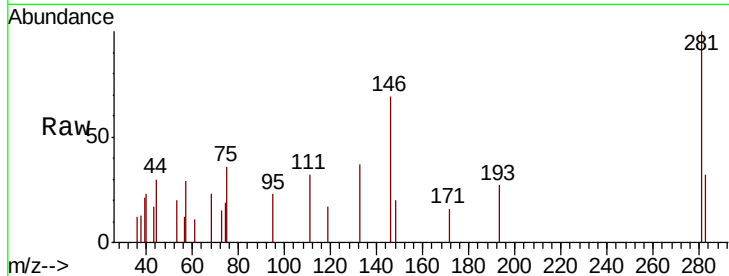
148 514.7 32.4 97.2#





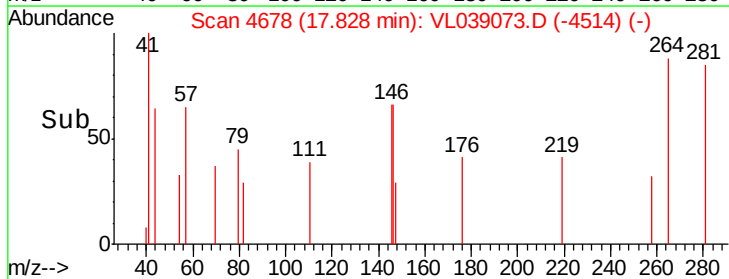
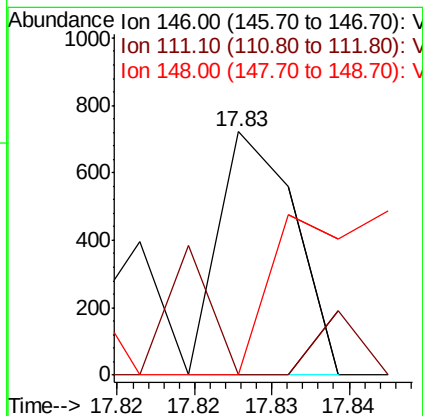
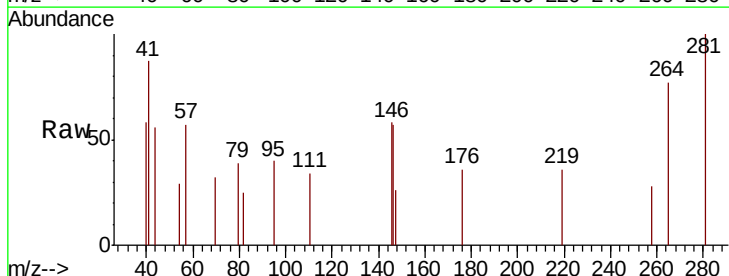
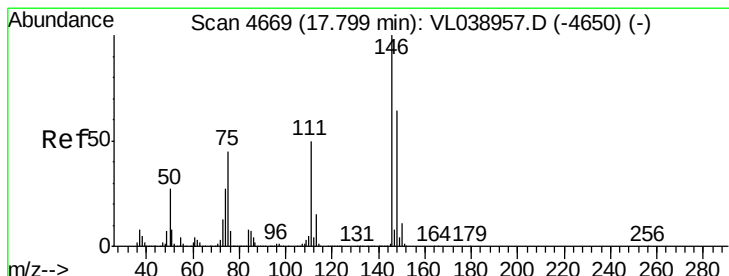
#76
 1,4-Dichlorobenzene
 Concen: 0.003 ppbv
 RT: 17.15 min
 Delta R.T. 0.03 min
 Lab File: VL038957.D
 Acq: 17 May 2022 17:38

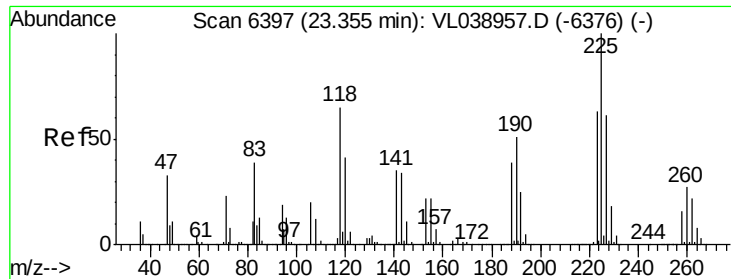
Tot Ion:146	Resp:	297
Ion Ratio	Lower	Upper
146	100	
111	0.0	23.6
148	81.1	32.2



#77
 1,2-Dichlorobenzene
 Concen: 0.002 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.03 min
 Lab File: VL039073.D
 Acq: 17 May 2022 17:38

Tgt Ion:146	Resp:	247
Ion Ratio	Lower	Upper
146	100	
111	57.1	25.3
148	0.0	32.3





#78

Hexachloro-1,3-Butadiene

Concen: 0.002 ppbv

RT: 23.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 May 2022 17:38

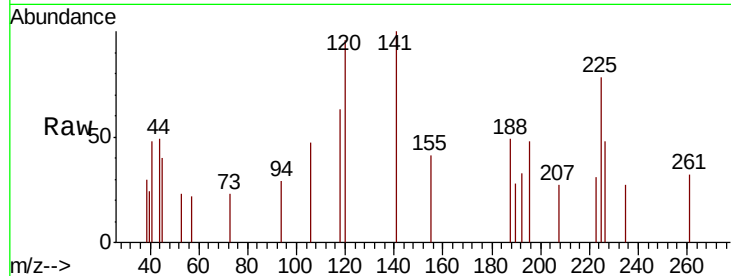
Tot Ion:225 Resp: 252

Ion Ratio Lower Upper

225 100

223 0.0 51.4 77.0#

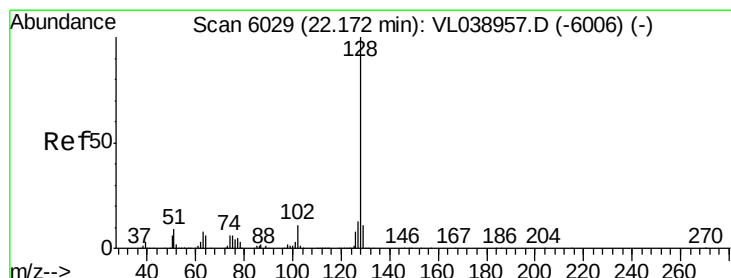
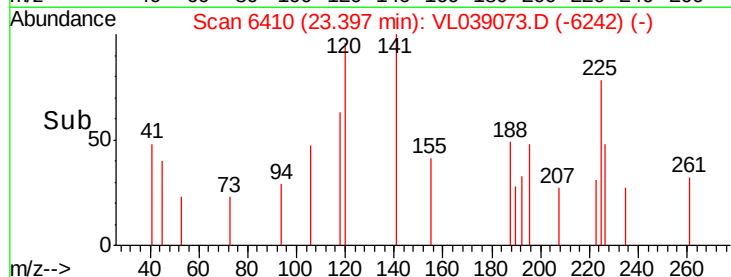
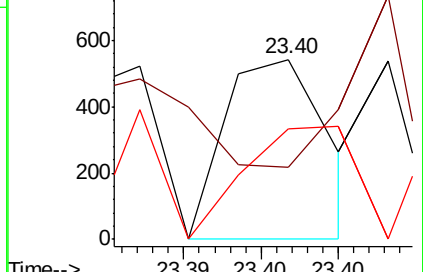
227 0.0 51.4 77.0#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.003 ppbv

RT: 22.22 min Scan# 6045

Delta R.T. 0.05 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

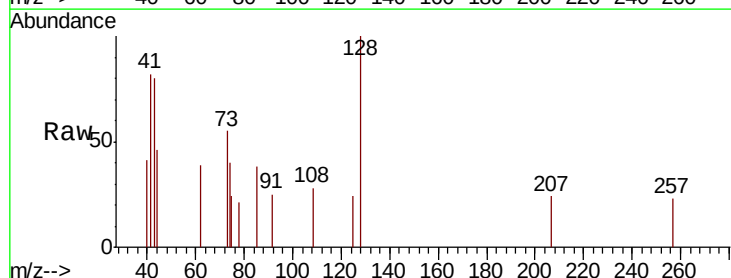
Tgt Ion:128 Resp: 432

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

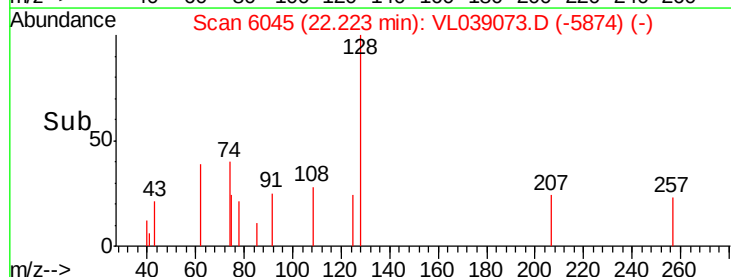
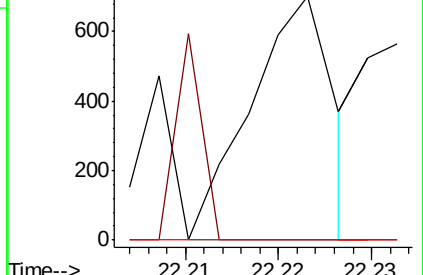
129 0.0 8.9 13.3#

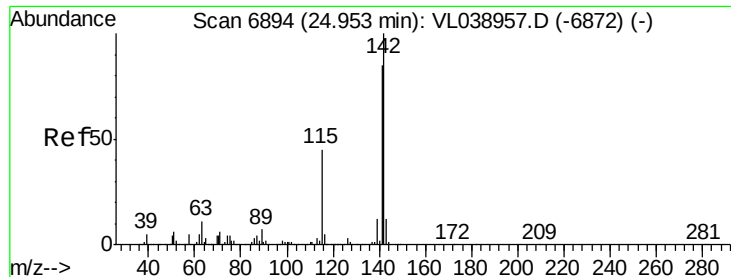


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.001 ppbv

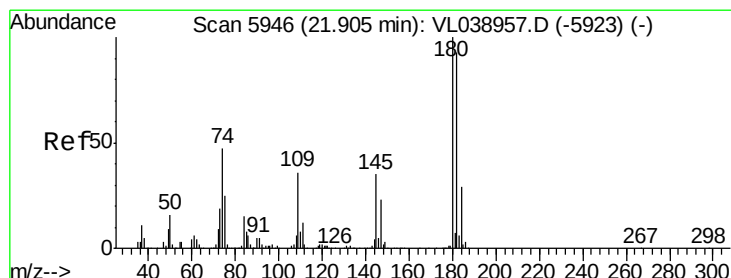
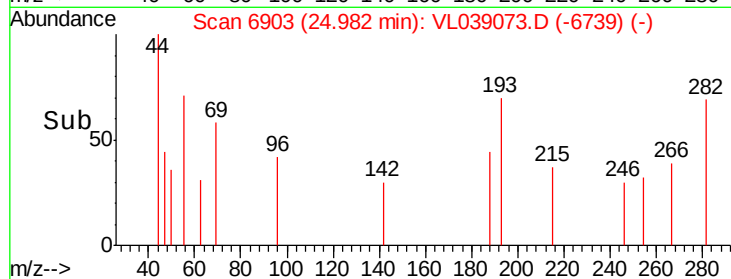
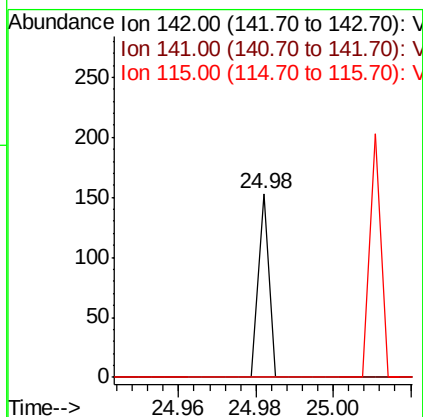
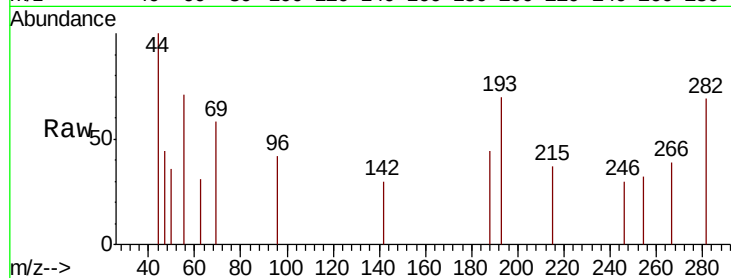
RT: 24.98 min

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 May 2022 17:38

Tot Ion:	142	Resp:	30
Ion	Ratio	Lower	Upper
142	100		
141	0.0	70.8	106.2#
115	130.0	35.1	52.7#



#81

1,2,4-Trichlorobenzene

Concen: 0.001 ppbv

RT: 21.95 min Scan# 5959

Delta R.T. 0.04 min

Lab File: VL039073.D

Acq: 17 May 2022 17:38

Tgt Ion:	180	Resp:	106
Ion	Ratio	Lower	Upper
180	100		
182	0.0	78.4	117.6#
184	143.4	24.4	36.6#

