

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060622\
 Data File : VL039192.D
 Acq On : 6 Jun 2022 20:00
 Operator : SY/AP
 Sample : N3110-03DUP 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :

Quant Time: Jun 07 03:18:07 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1229644	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3166595	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2851409	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2254686	9.56	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	21962	0.102 ppbv	89
3) Chlorodifluoromethane	2.99	51	18758	0.120 ppbv #	83
4) Chloromethane	3.14	50	9142	0.114 ppbv	95
5) Vinyl Chloride	3.26	62	51218	0.682 ppbv	96
9) Propene	3.21	41	109714	1.608 ppbv	93
10) Heptane	8.12	43	149318	0.938 ppbv	97
11) Trichlorofluoromethane	3.95	101	1198341	6.129 ppbv	99
13) Ethanol	3.61	45	62894	16.905 ppbv #	100
15) Acetone	3.85	43	152143	1.188 ppbv #	43
16) 1,3-Butadiene	3.31	39	197547	2.869 ppbv #	14
18) 1,1-Dichloroethene	4.29	96	1807	0.031 ppbv #	27
20) Methylene Chloride	4.34	84	342835	6.351 ppbv	94
21) Allyl Chloride	4.36	41	5298	0.061 ppbv #	1
22) trans-1,2-Dichloroethene	4.89	96	1946	0.035 ppbv #	40
23) Vinyl Acetate	5.06	43	26008	0.245 ppbv #	1
25) Ethyl Acetate	5.68	43	545215	1.889 ppbv #	77
26) Hexane	5.68	57	777310	6.127 ppbv #	39
27) Carbon Disulfide	4.55	76	135463	1.030 ppbv #	90
29) Chloroform	5.75	83	14790	0.069 ppbv #	79
30) Cyclohexane	7.13	84	15908	0.149 ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	87655	0.678 ppbv	99
34) 2-Butanone	5.25	43	13829	0.080 ppbv #	23
36) Benzene	6.88	78	30246	0.118 ppbv	91
38) Trichloroethene	7.83	130	55159	0.467 ppbv	85
39) 1,2-Dichloropropane	7.17	63	781362	7.641 ppbv #	23
41) Tetrahydrofuran	6.31	42	8173	0.079 ppbv #	37
44) 2,2,4-Trimethylpentane	7.86	57	98788	0.220 ppbv #	70
51) 2-Hexanone	10.11	43	8191	0.041 ppbv #	28
52) Tetrachloroethene	11.22	164	2536868	25.274 ppbv	97
53) Toluene	9.80	91	1080408	3.650 ppbv	99
58) Ethyl Benzene	12.71	91	318514	0.811 ppbv #	88
59) m/p-Xylene	12.96	91	1099606	3.179 ppbv	92
60) o-Xylene	13.68	91	399804	1.230 ppbv	97
64) n-propylbenzene	15.55	120	30915	0.260 ppbv #	57
65) tert-Butylbenzene	16.75	119	80632	0.183 ppbv #	62
69) p-Isopropyltoluene	17.64	119	15898	0.031 ppbv #	1
70) n-Butylbenzene	18.54	91	40446	0.077 ppbv #	72
72) 4-Ethyltoluene	15.83	105	240836	0.632 ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	191572	0.558 ppbv	95
74) 1,2,4-Trimethylbenzene	16.75	105	825141	2.152 ppbv #	63

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ClientSampleId :

Quant Time: Jun 07 03:18:07 2022
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

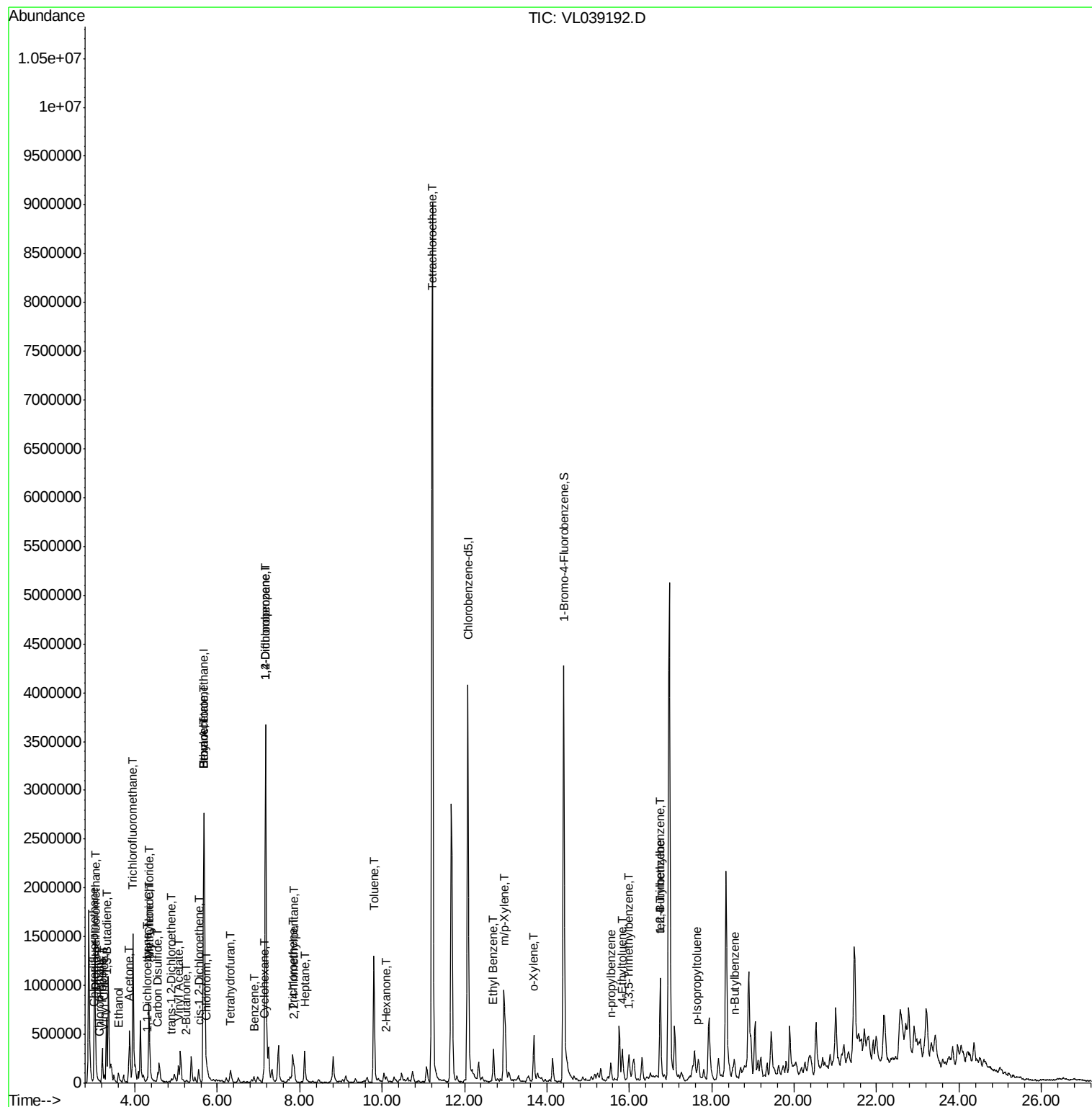
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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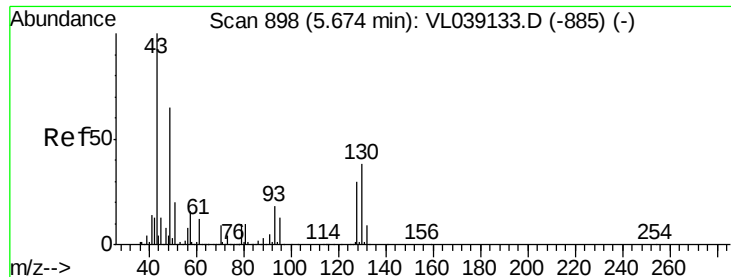
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jun 2022 20:00

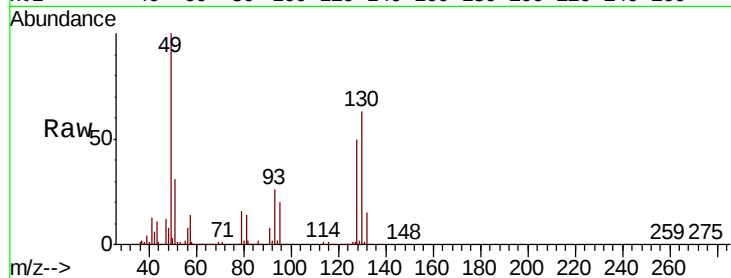
Tot Ion: 49 Resp: 1229644

Ion Ratio Lower Upper

49 100

128 50.8 24.7 74.1

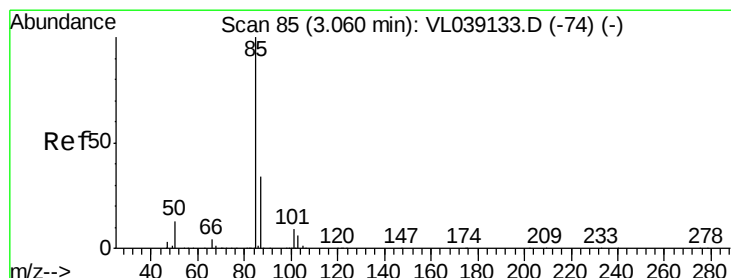
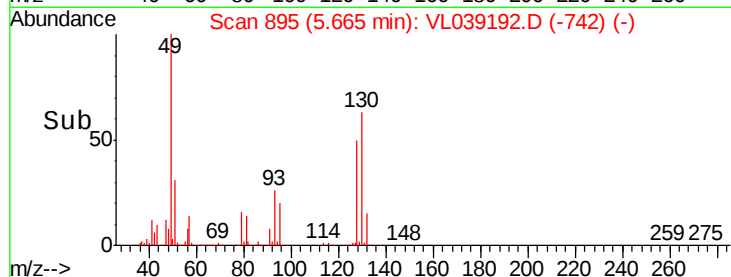
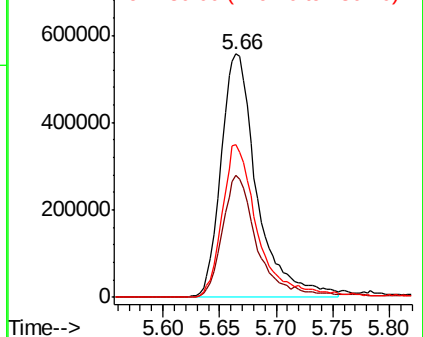
130 62.8 31.4 94.0



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: 0.102 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.01 min

Lab File: VL039192.D

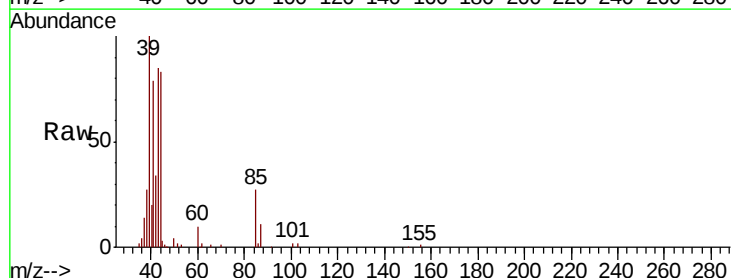
Acq: 6 Jun 2022 20:00

Tgt Ion: 85 Resp: 21962

Ion Ratio Lower Upper

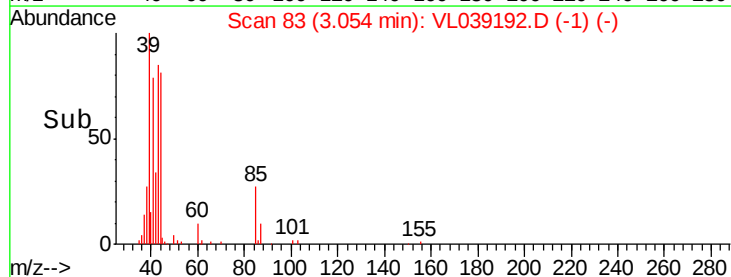
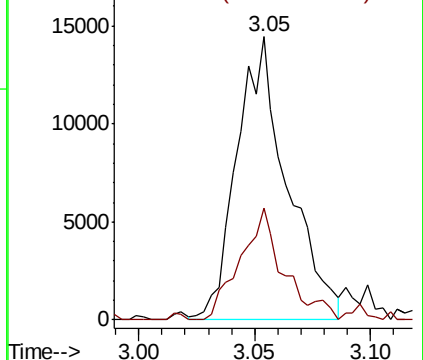
85 100

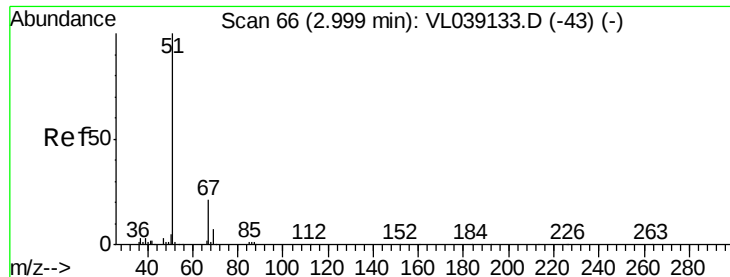
87 39.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.120 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

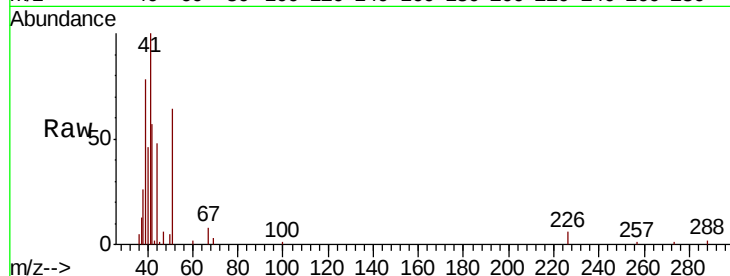
Acq: 6 Jun 2022 20:00

Tot Ion: 51 Resp: 18758

Ion Ratio Lower Upper

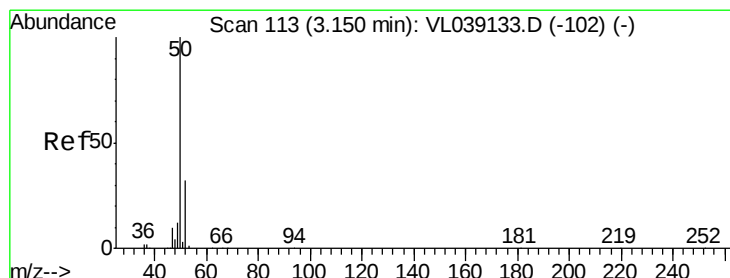
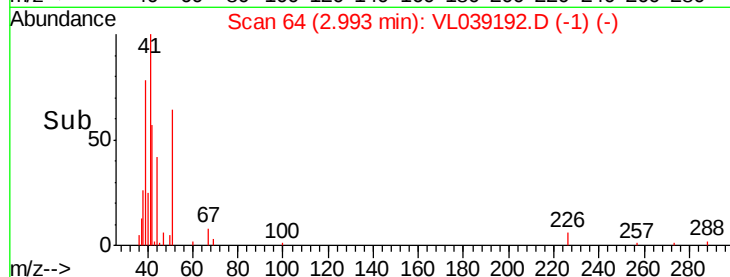
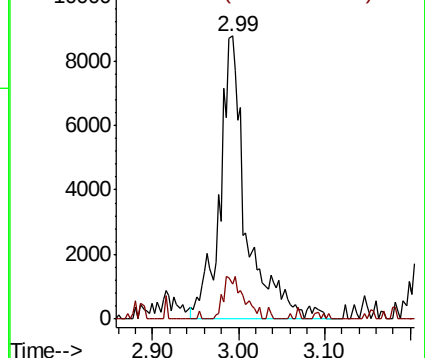
51 100

67 12.6 16.2 24.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.114 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039192.D

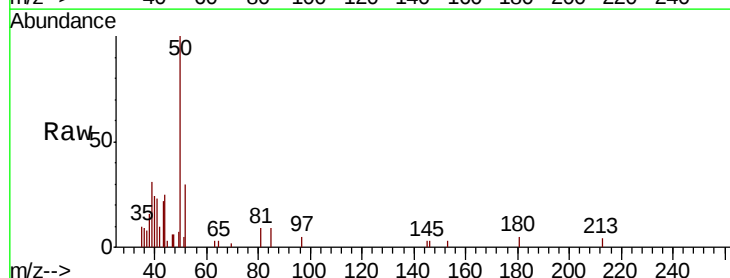
Acq: 6 Jun 2022 20:00

Tgt Ion: 50 Resp: 9142

Ion Ratio Lower Upper

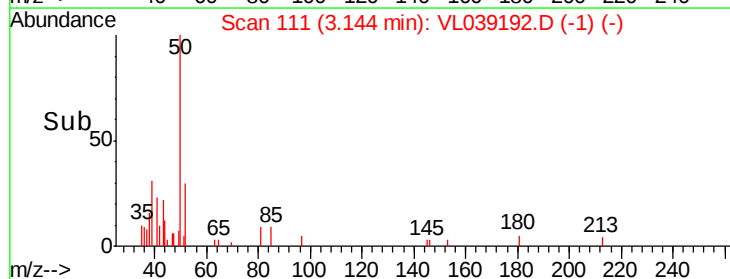
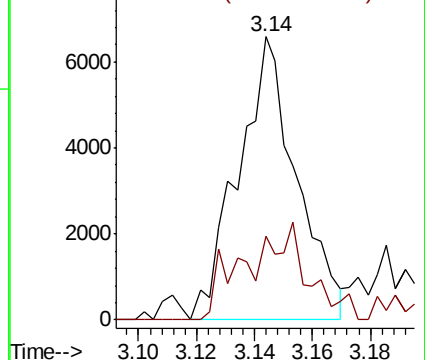
50 100

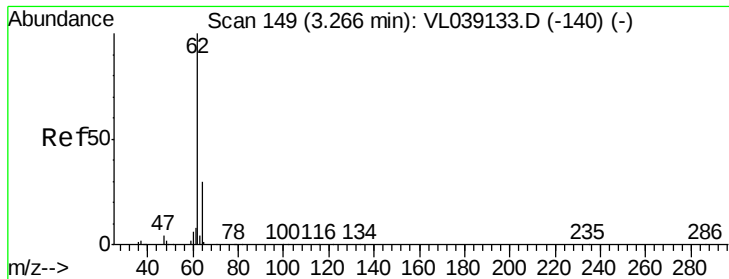
52 29.7 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.682 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

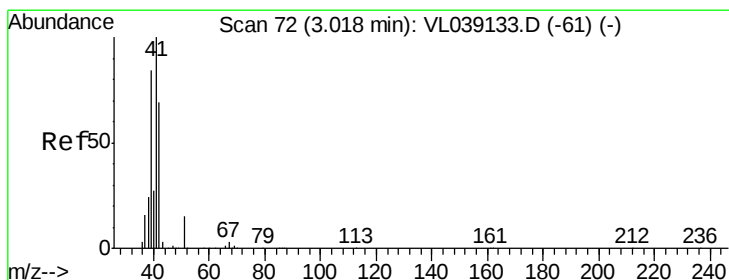
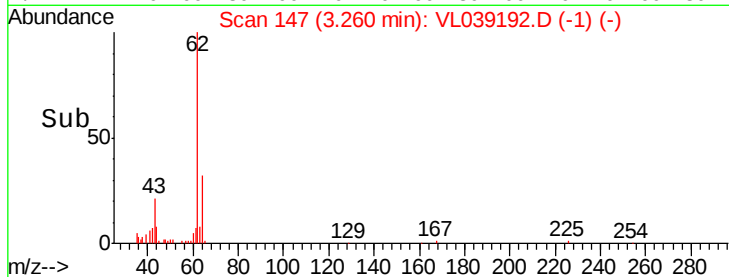
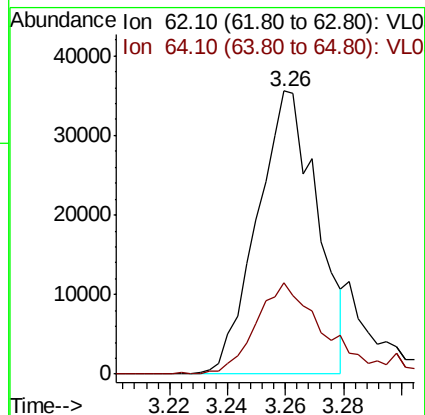
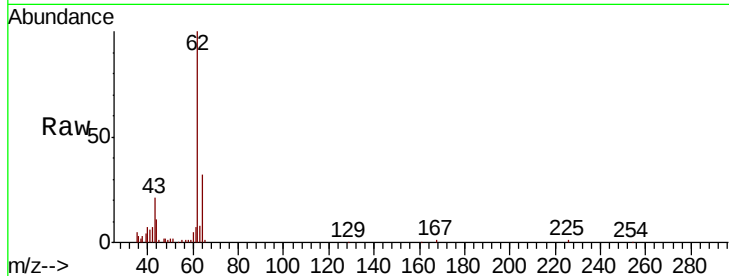
Acq: 6 Jun 2022 20:00

Tot Ion: 62 Resp: 51218

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.2



#9

Propene

Concen: 1.608 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.19 min

Lab File: VL039192.D

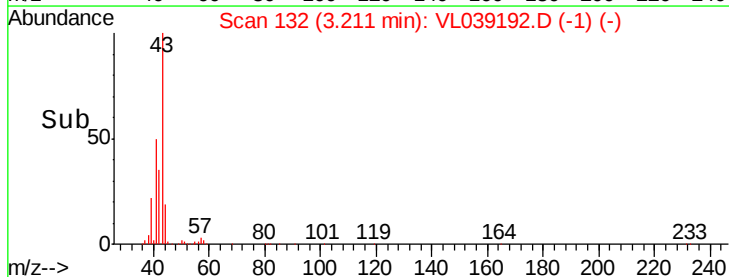
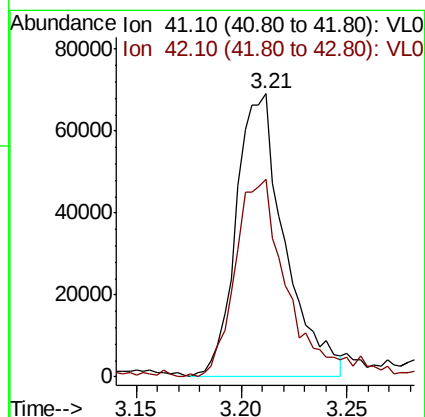
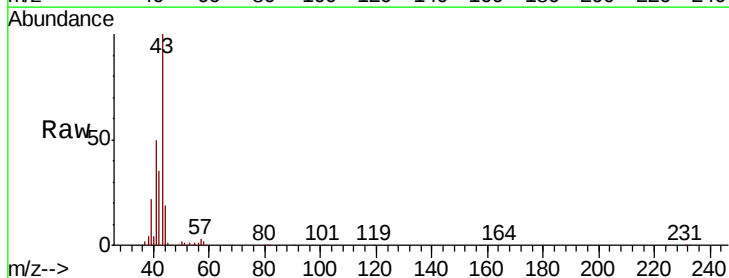
Acq: 6 Jun 2022 20:00

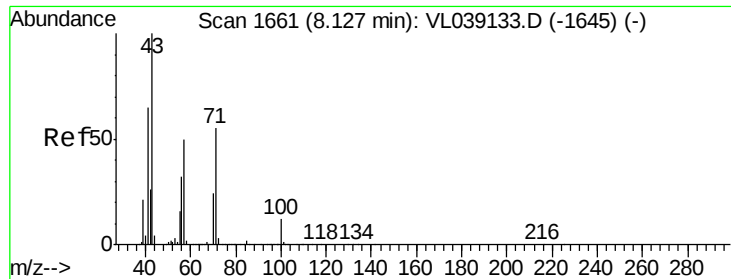
Tgt Ion: 41 Resp: 109714

Ion Ratio Lower Upper

41 100

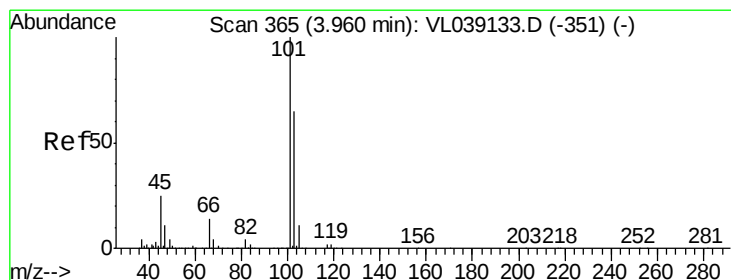
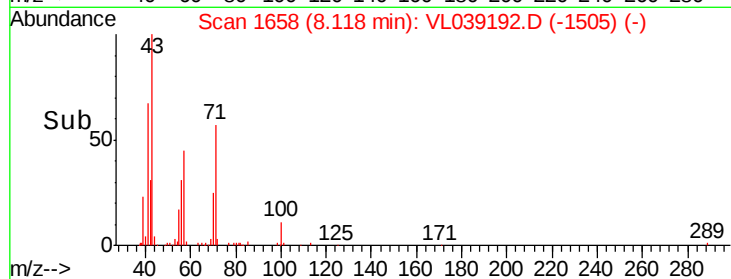
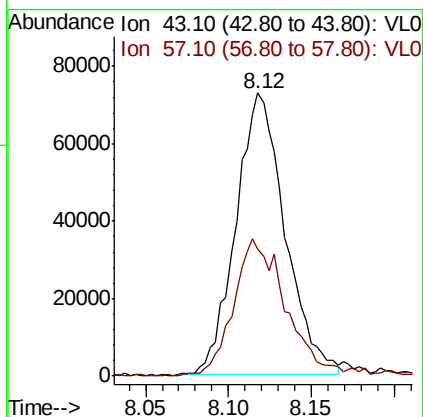
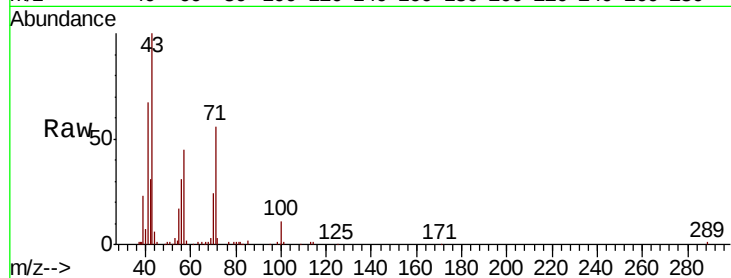
42 74.8 55.4 83.2





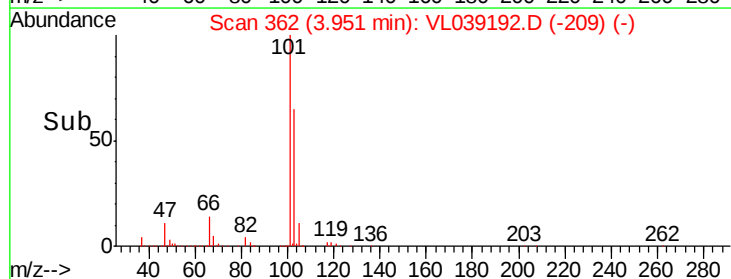
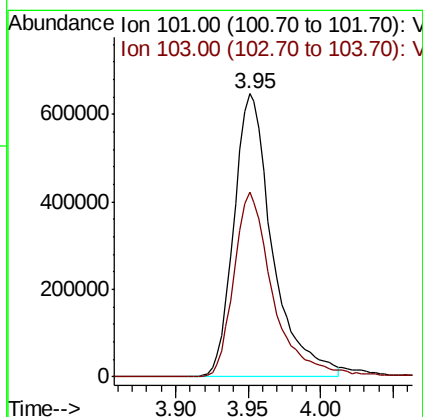
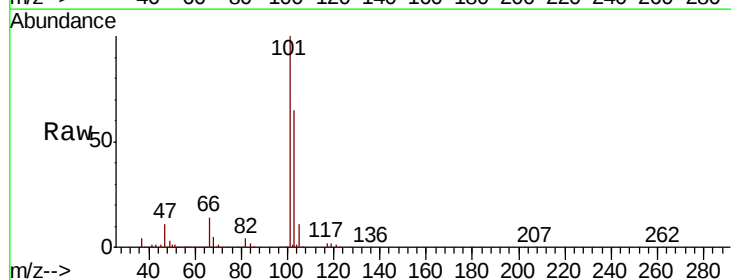
#10
 Heptane
 Concen: 0.938 ppbv
 RT: 8.12
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 20:00

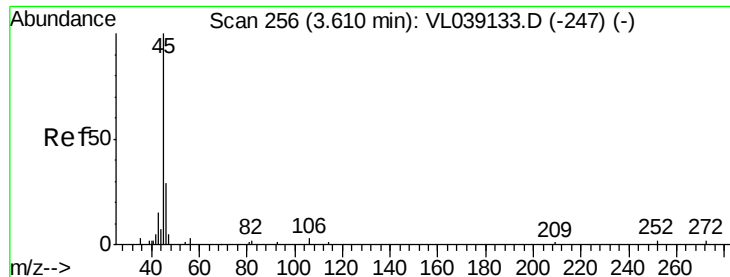
Tot Ion: 43 Resp: 149318
 Ion Ratio Lower Upper
 43 100
 57 54.0 41.4 62.2



#11
 Trichlorofluoromethane
 Concen: 6.129 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL039192.D
 Acq: 6 Jun 2022 20:00

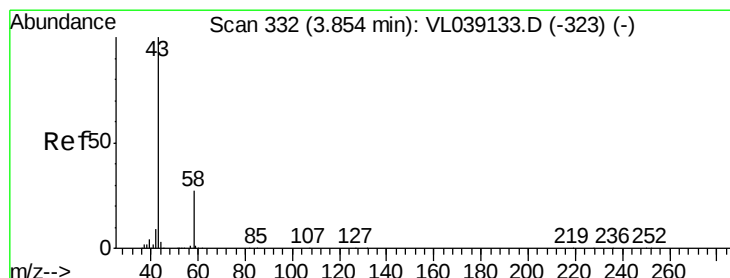
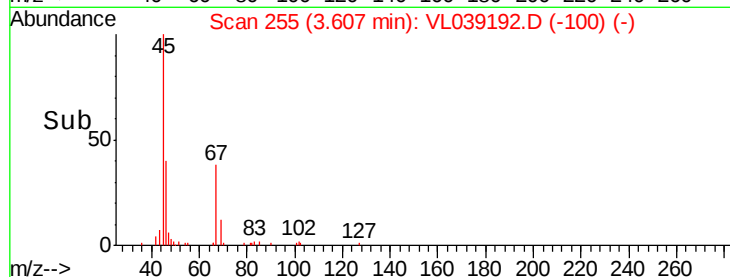
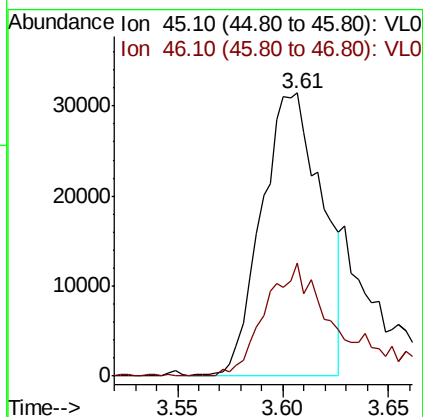
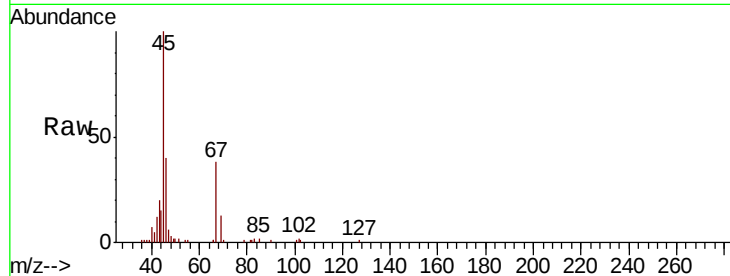
Tgt Ion:101 Resp: 1198341
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.7 77.5





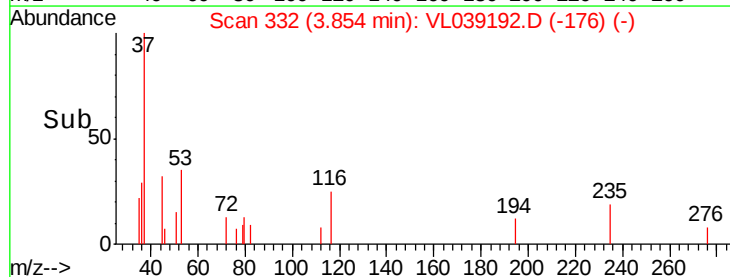
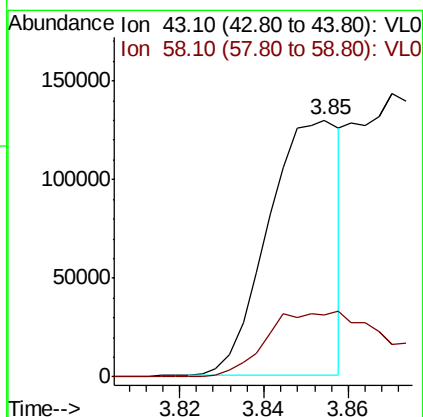
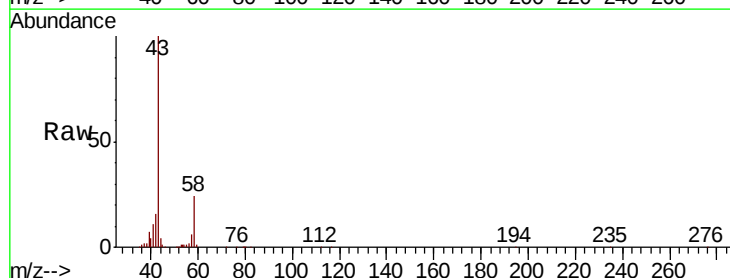
#13
Ethanol
Concen: 16.905 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 6 Jun 2022 20:00

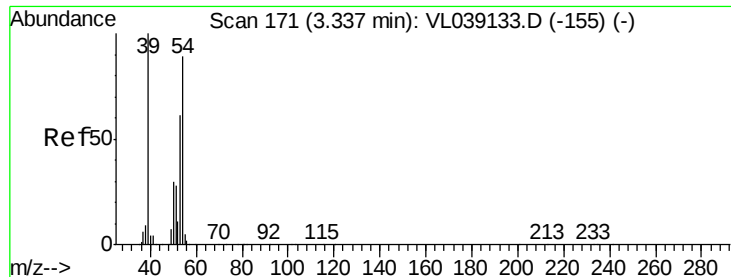
Tot Ion: 45 Resp: 62894
Ion Ratio Lower Upper
45 100
46 54.6 0.0 0.0#



#15
Acetone
Concen: 1.188 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL039192.D
Acq: 6 Jun 2022 20:00

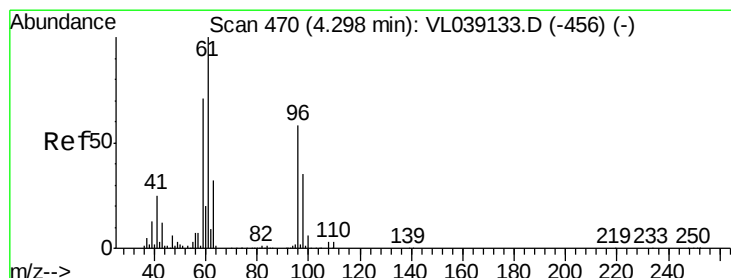
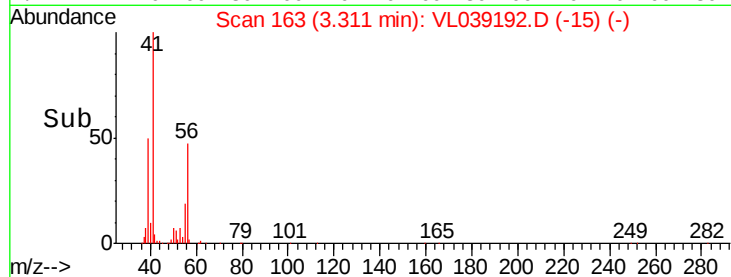
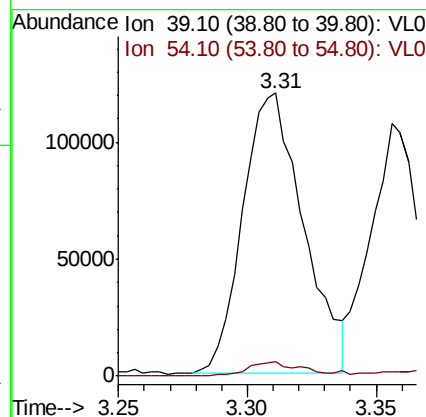
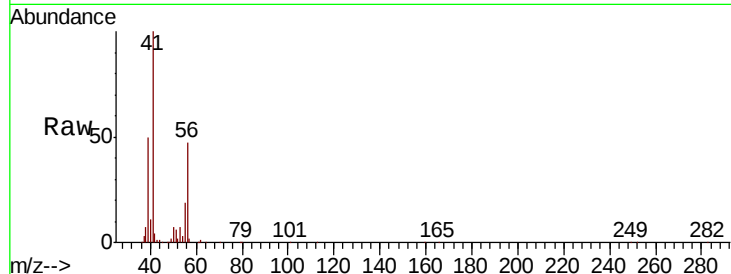
Tgt Ion: 43 Resp: 152143
Ion Ratio Lower Upper
43 100
58 58.0 22.5 33.7#





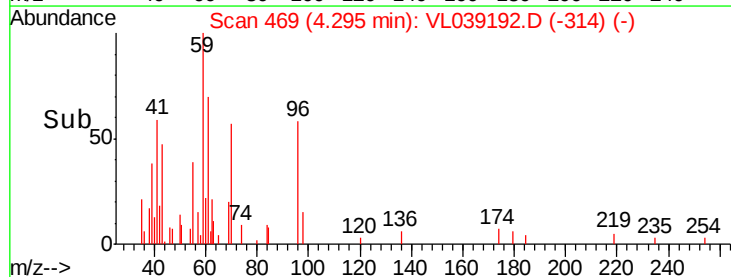
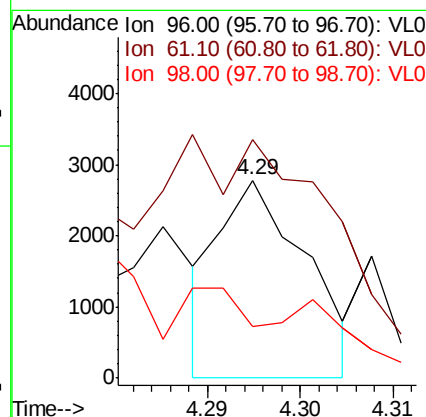
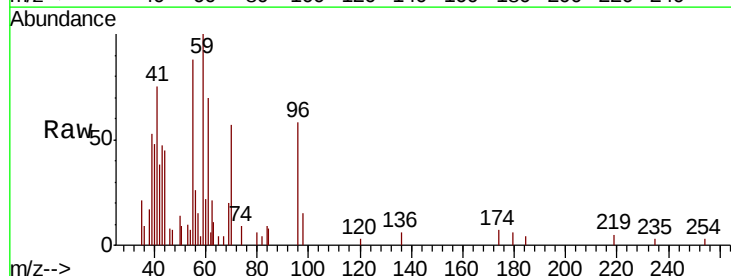
#16
 1,3-Butadiene
 Concen: 2.869 ppbv
 RT: 3.31
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 6 Jun 2022 20:00

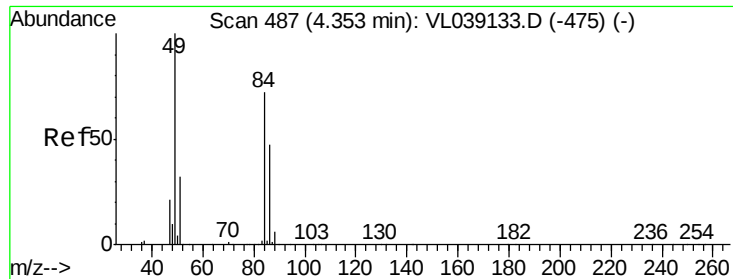
Tot Ion: 39 Resp: 197547
 Ion Ratio Lower Upper
 39 100
 54 4.9 65.8 98.6#



#18
 1,1-Dichloroethene
 Concen: 0.031 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VL039192.D
 Acq: 6 Jun 2022 20:00

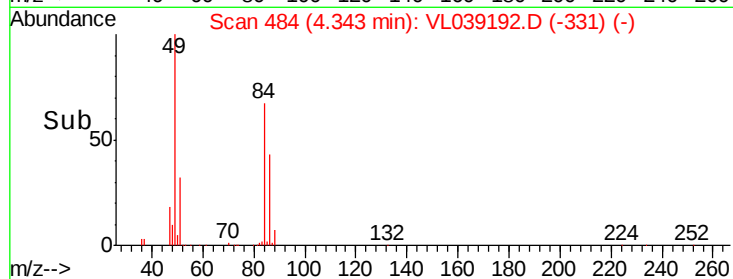
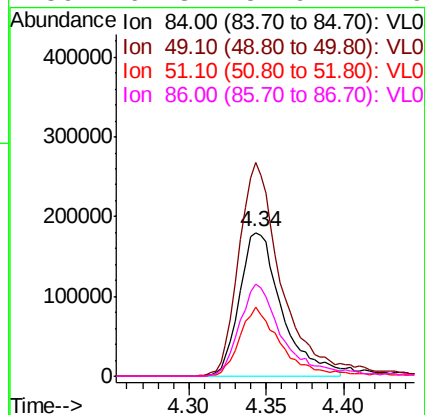
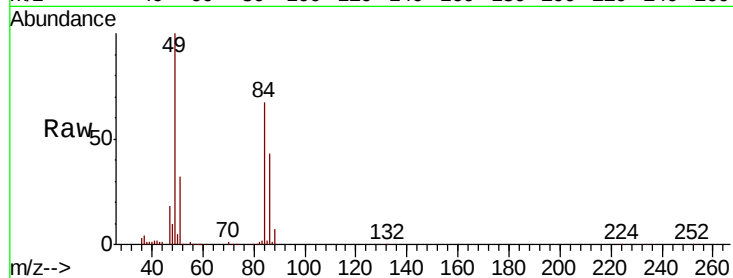
Tgt Ion: 96 Resp: 1807
 Ion Ratio Lower Upper
 96 100
 61 73.5 138.4 207.6#
 98 1.2 47.8 71.8#





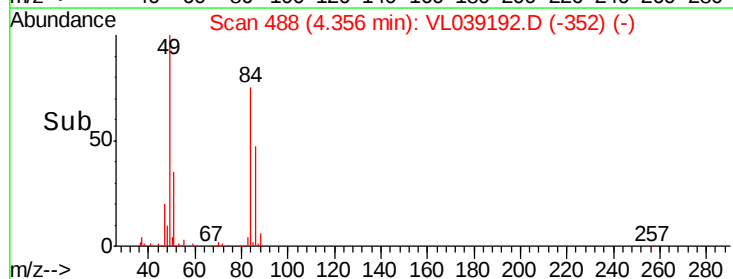
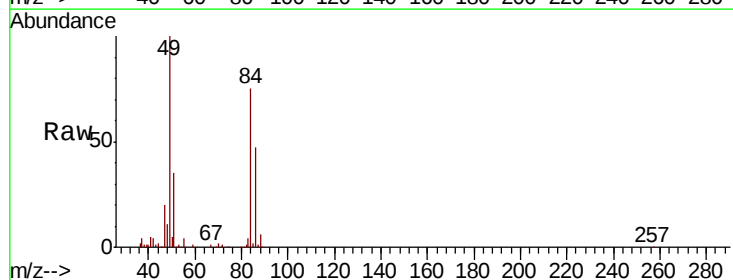
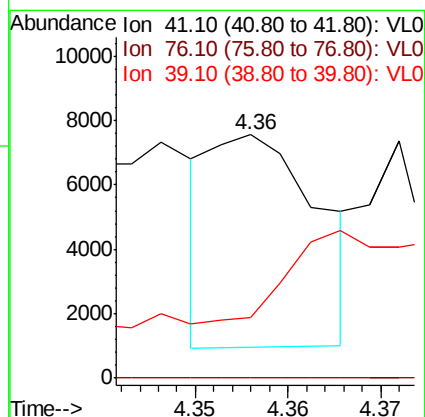
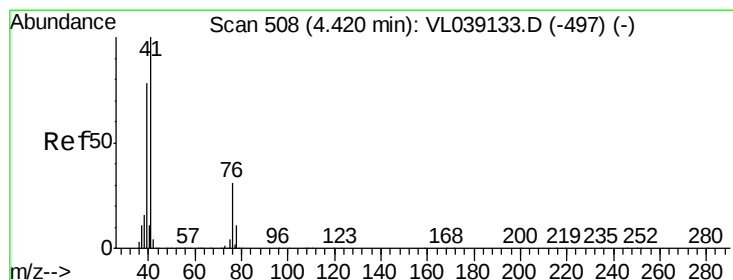
#20
Methvlene Chloride
Concen: 6.351 ppbv
RT: 4.34 Instrument :
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 6 Jun 2022 20:00

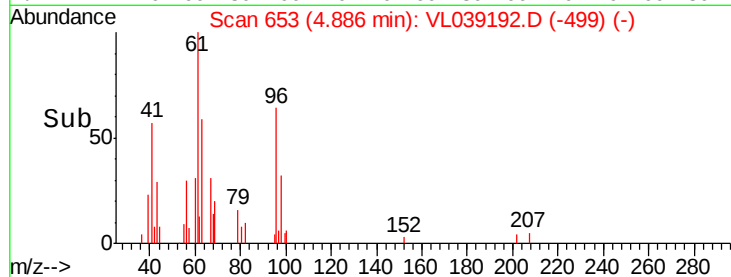
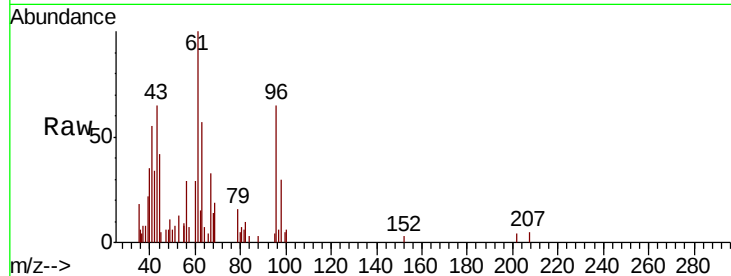
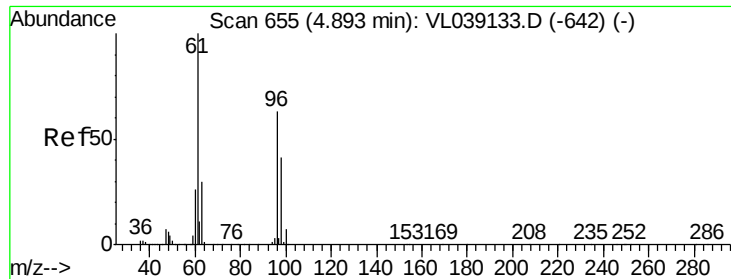
Tot Ion:	84	Resp:	342835
Ion	Ratio	Lower	Upper
84	100		
49	148.8	111.1	166.7
51	48.0	35.3	52.9
86	64.3	51.9	77.9



#21
Allyl Chloride
Concen: 0.061 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.06 min
Lab File: VL039192.D
Acq: 6 Jun 2022 20:00

Tgt Ion:	41	Resp:	5298
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.2#
39	195.5	62.2	93.2#





#22

trans-1,2-Dichloroethene

Concen: 0.035 ppbv

RT: 4.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jun 2022 20:00

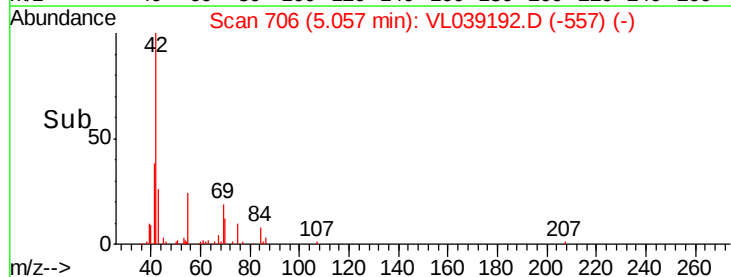
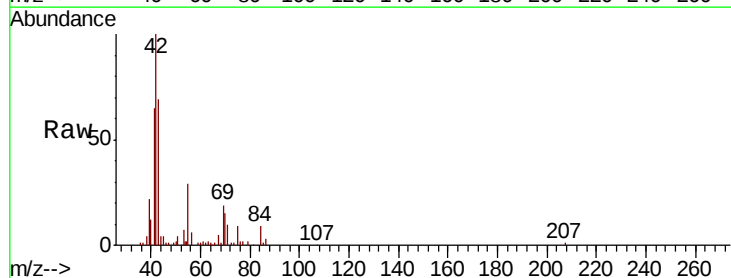
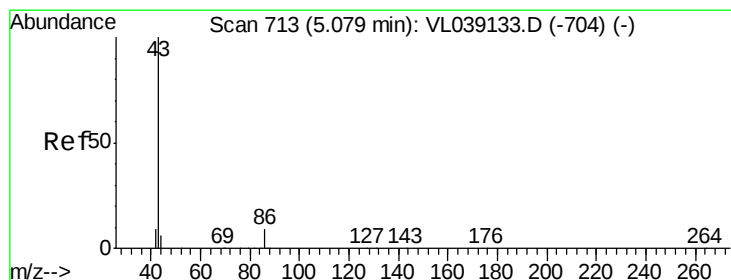
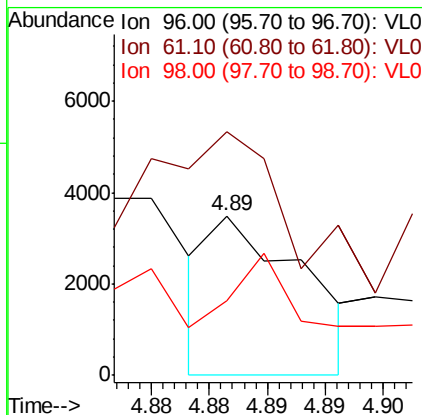
Tot Ion: 96 Resp: 1946

Ion Ratio Lower Upper

96 100

61 71.8 126.6 190.0#

98 29.6 52.5 78.7#



#23

Vinyl Acetate

Concen: 0.245 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.02 min

Lab File: VL039192.D

Acq: 6 Jun 2022 20:00

Tgt Ion: 43 Resp: 26008

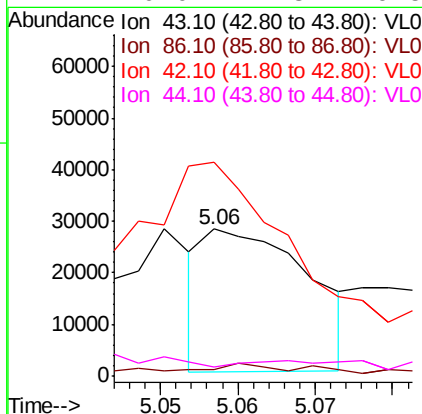
Ion Ratio Lower Upper

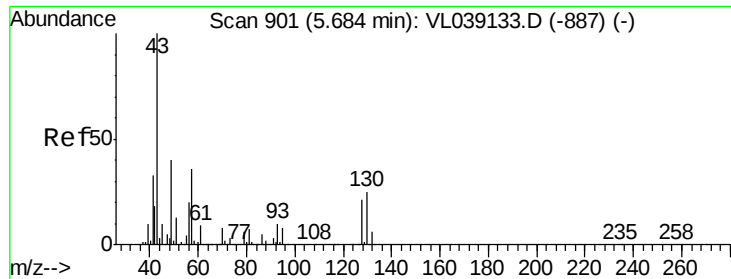
43 100

86 0.0 6.0 9.0#

42 214.6 8.2 12.4#

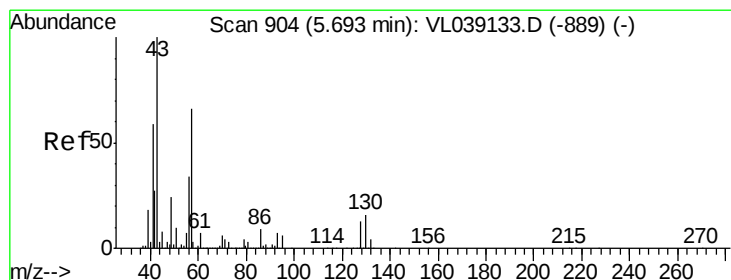
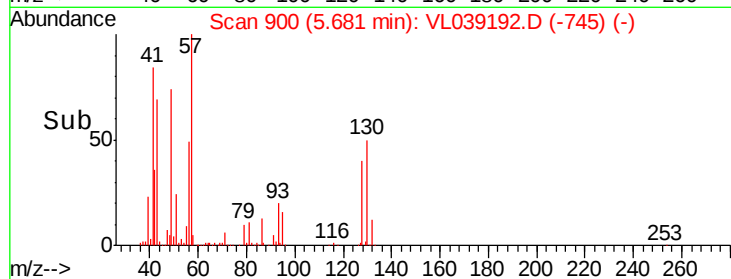
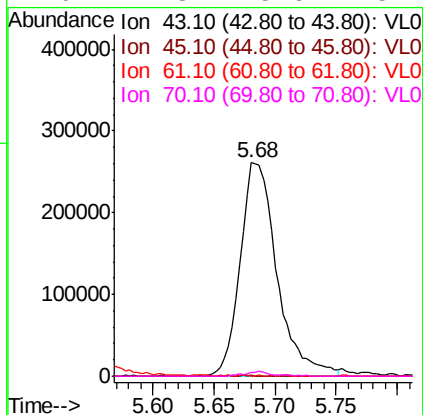
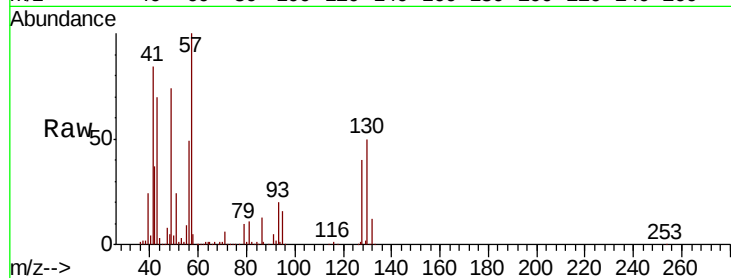
44 0.0 4.3 6.5#





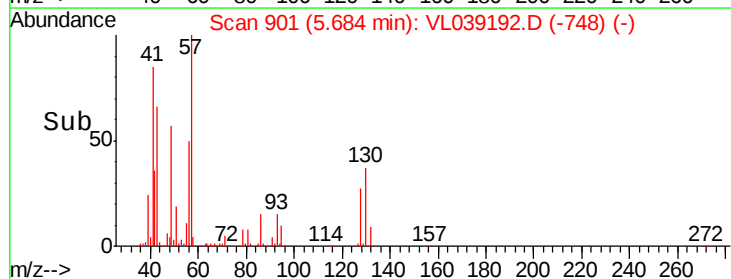
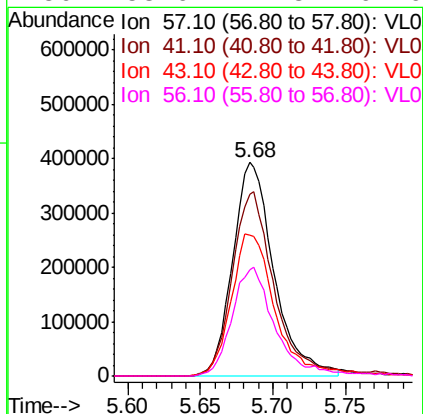
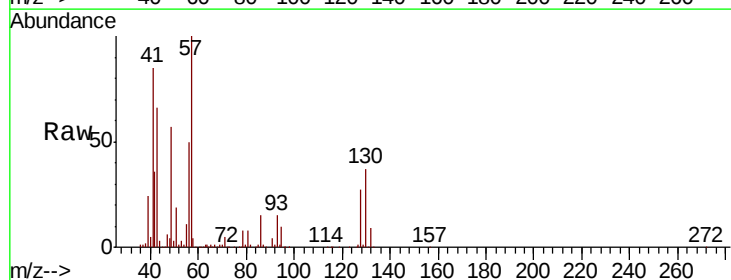
#25
Ethyl Acetate
Concen: 1.889 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 20:00

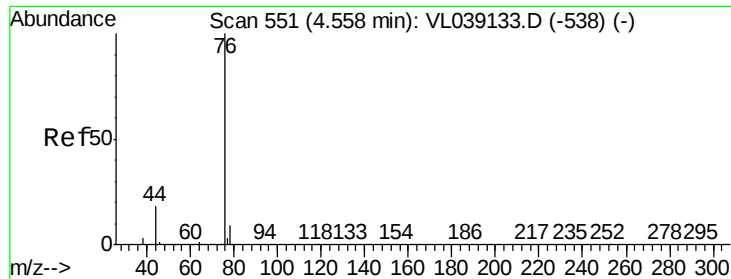
Tot Ion:	43	Resp:	545215
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.2	12.2#
61	0.5	8.4	12.6#
70	1.8	5.6	8.4#



#26
Hexane
Concen: 6.127 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL039192.D
Acq: 6 Jun 2022 20:00

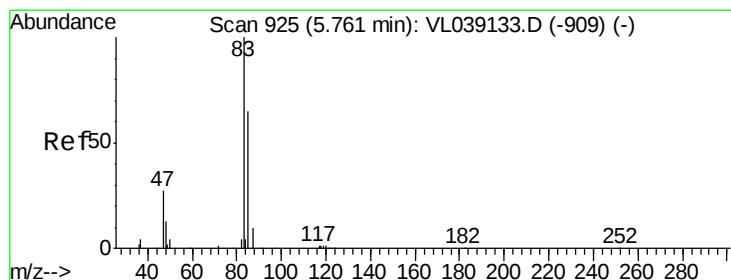
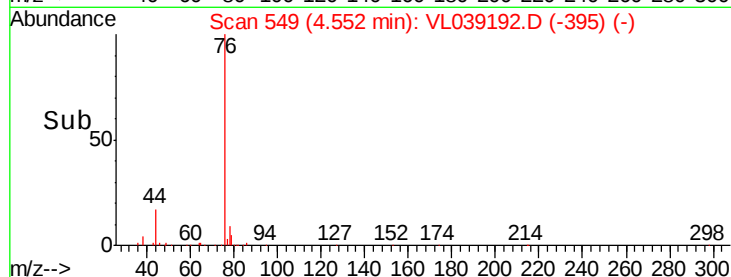
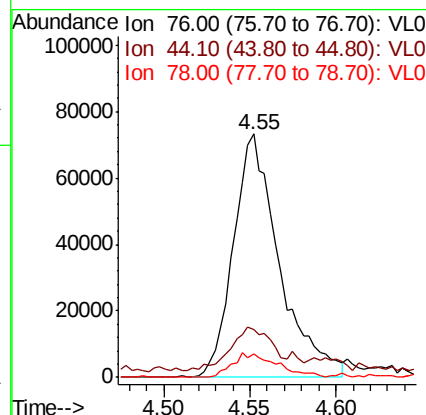
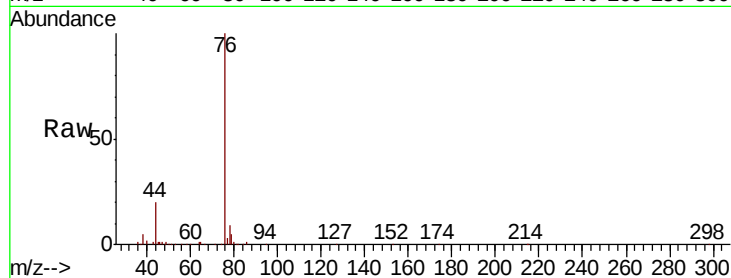
Tgt Ion:	57	Resp:	777310
Ion	Ratio	Lower	Upper
57	100		
41	89.6	72.4	108.6
43	71.7	187.0	280.6#
56	53.6	41.8	62.6





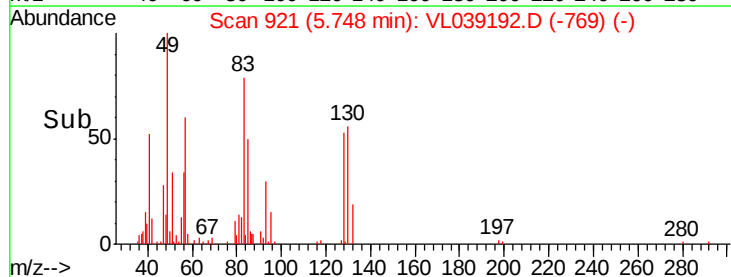
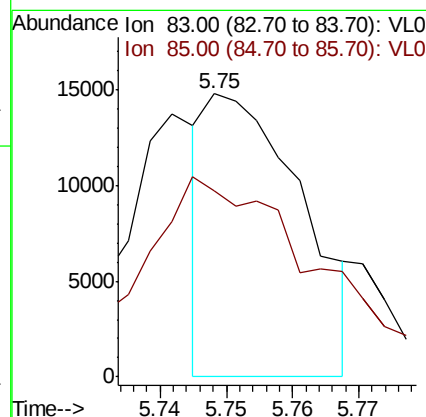
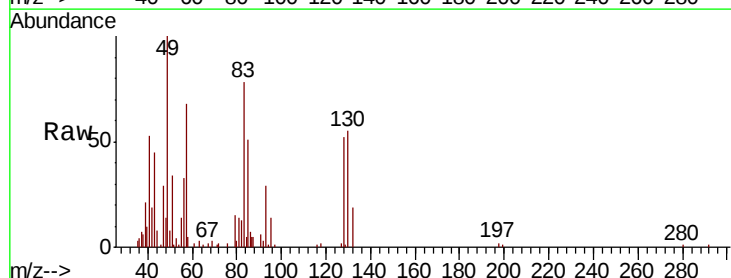
#27
Carbon Disulfide
Concen: 1.030 ppbv
RT: 4.55 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 20:00

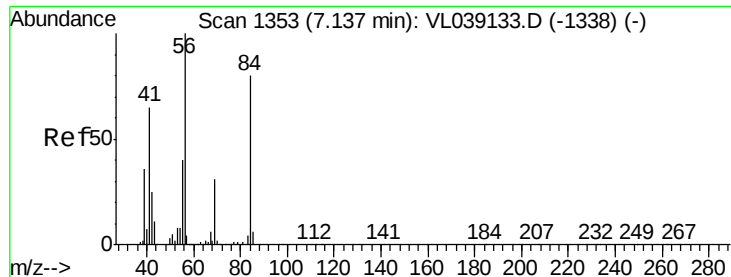
Tot Ion	Ratio	Lower	Upper
76	100		
44	24.1	14.4	21.6#
78	10.3	7.7	11.5



#29
Chloroform
Concen: 0.069 ppbv
RT: 5.75 min Scan# 921
Delta R.T.: -0.01 min
Lab File: VL039192.D
Acq: 6 Jun 2022 20:00

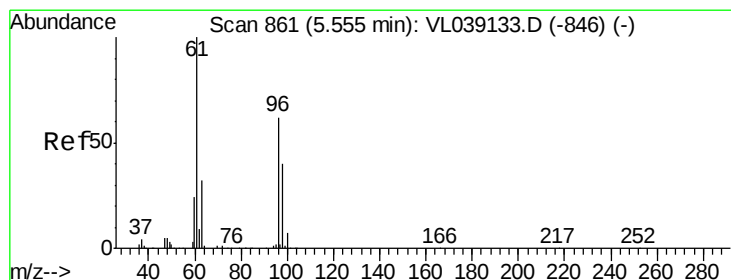
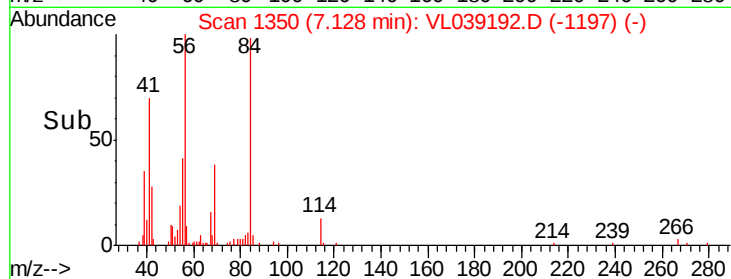
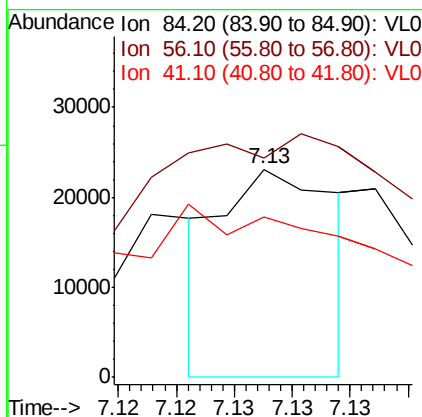
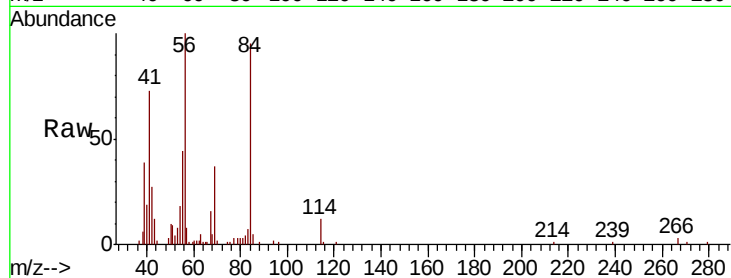
Tgt Ion	Ratio	Lower	Upper
83	100		
85	48.6	52.4	78.6#





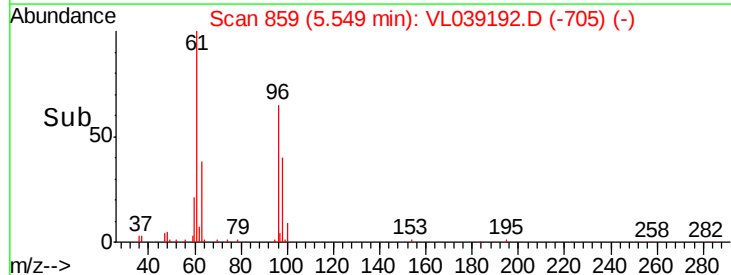
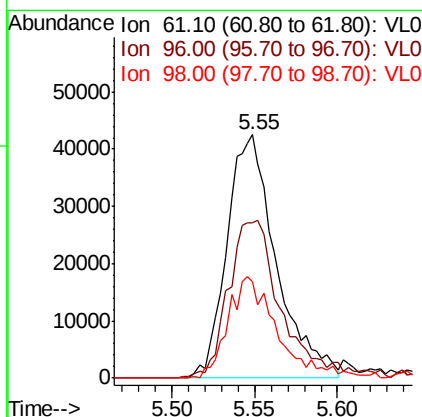
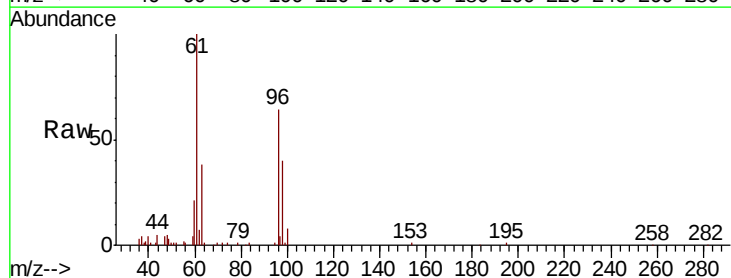
#30
Cvclohexane
Concen: 0.149 ppbv
RT: 7.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 6 Jun 2022 20:00

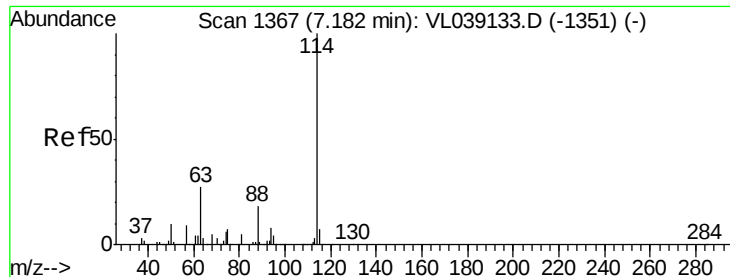
Tot Ion	Ratio	Lower	Upper
84	100		
56	356.2	110.6	165.8#
41	0.0	68.9	103.3#



#31
cis-1,2-Dichloroethene
Concen: 0.678 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL039192.D
Acq: 6 Jun 2022 20:00

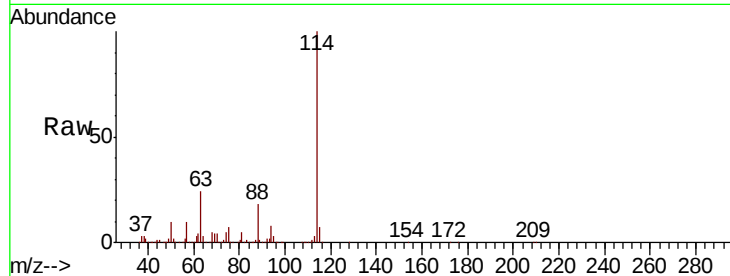
Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.8	49.9	74.9
98	39.7	32.0	48.0



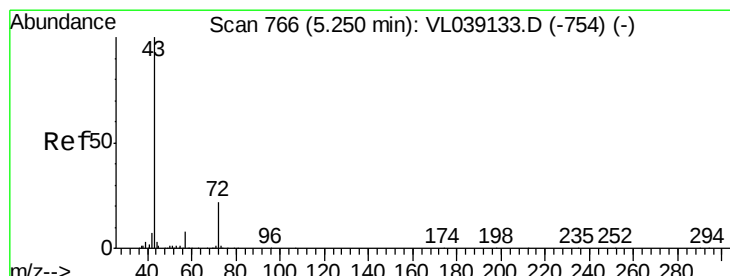
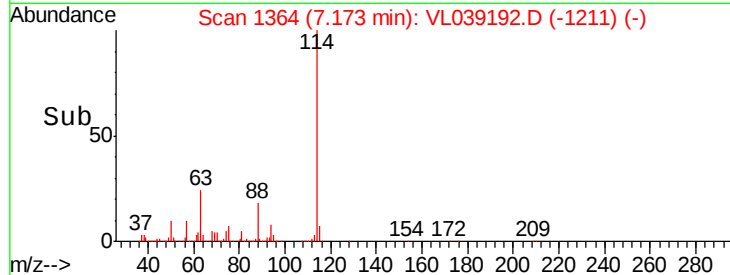
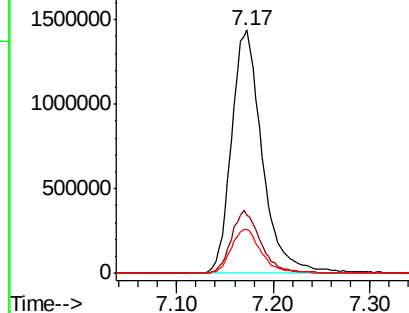


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 6 Jun 2022 20:00

Tot Ion:114 Resp: 3166595
 Ion Ratio Lower Upper
 114 100
 63 25.2 21.7 32.5
 88 18.1 14.8 22.2

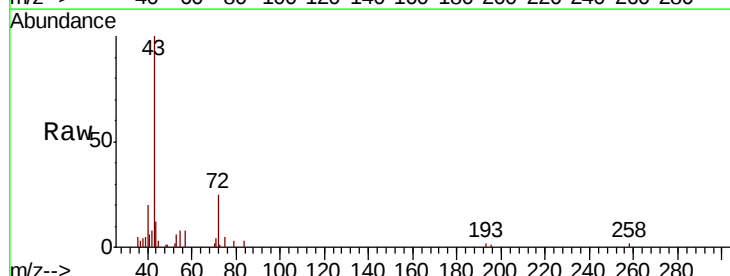


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

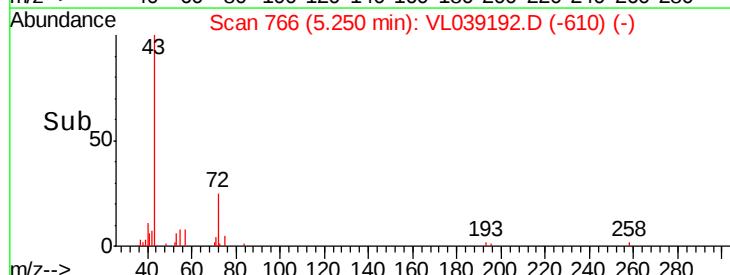
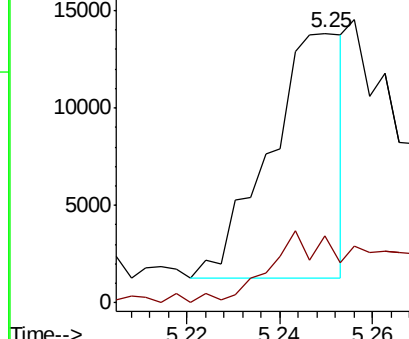


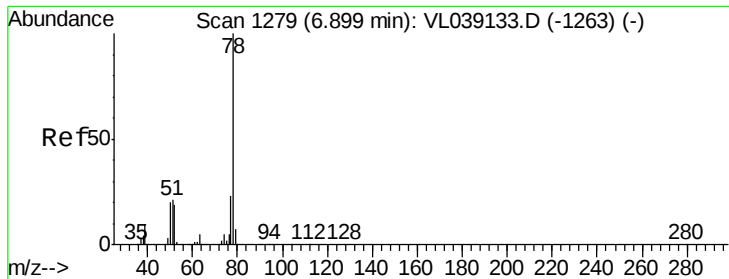
#34
 2-Butanone
 Concen: 0.080 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T.: 0.00 min
 Lab File: VL039192.D
 Acq: 6 Jun 2022 20:00

Tgt Ion: 43 Resp: 13829
 Ion Ratio Lower Upper
 43 100
 72 59.7 18.2 27.2#



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





#36

Benzene

Concen: 0.118 ppbv

RT: 6.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jun 2022 20:00

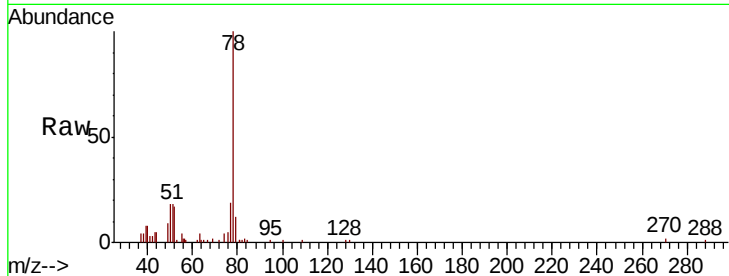
Tot Ion: 78 Resp: 30246

Ion Ratio Lower Upper

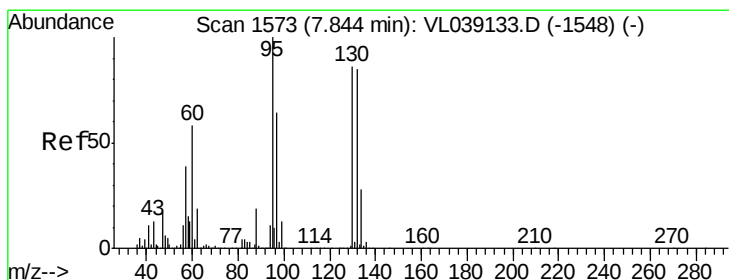
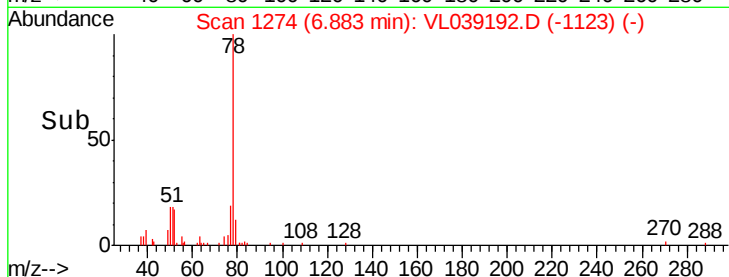
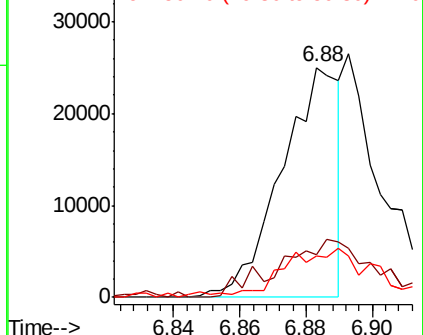
78 100

77 18.6 18.6 27.8

50 16.3 15.8 23.8



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



#38

Trichloroethene

Concen: 0.467 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL039192.D

Acq: 6 Jun 2022 20:00

Tgt Ion: 130 Resp: 55159

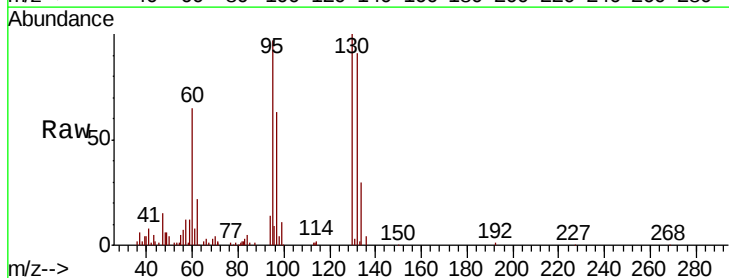
Ion Ratio Lower Upper

130 100

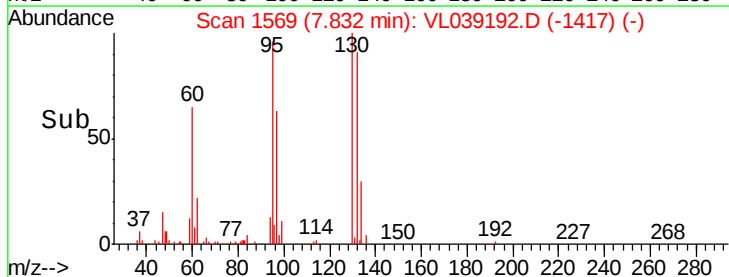
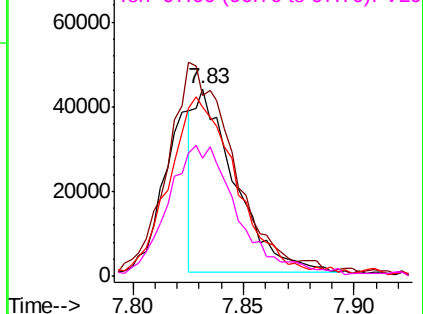
95 95.5 93.3 139.9

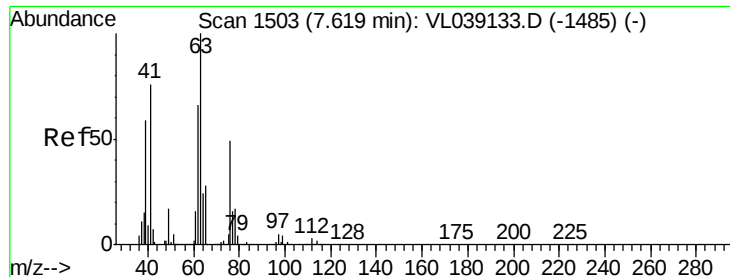
132 90.8 79.0 118.4

97 60.6 59.4 89.2



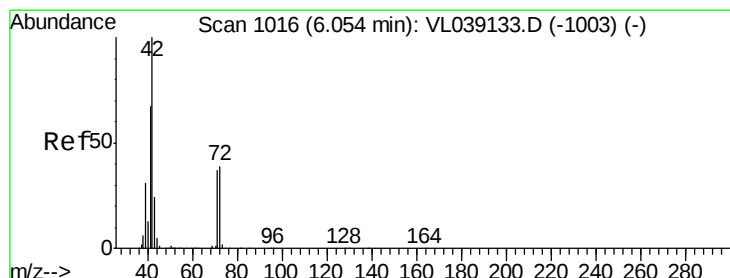
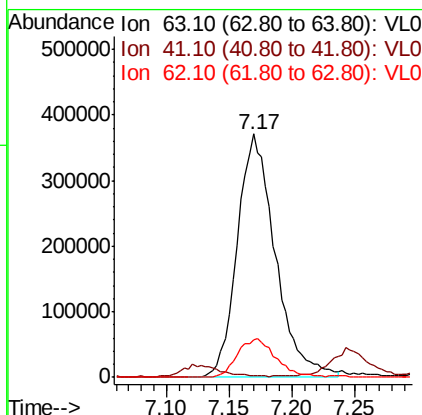
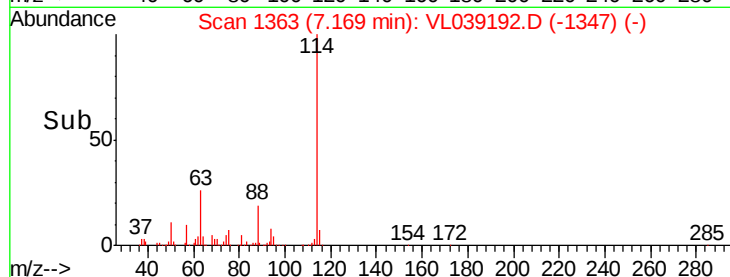
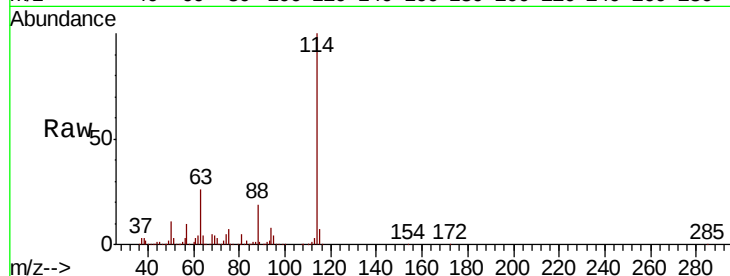
Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





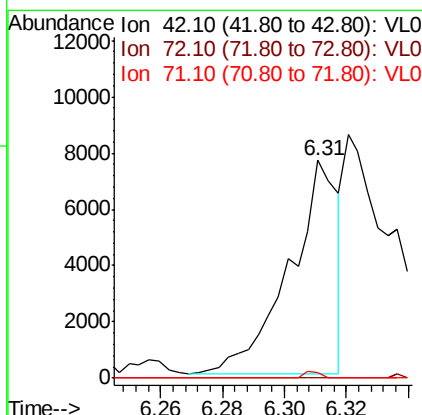
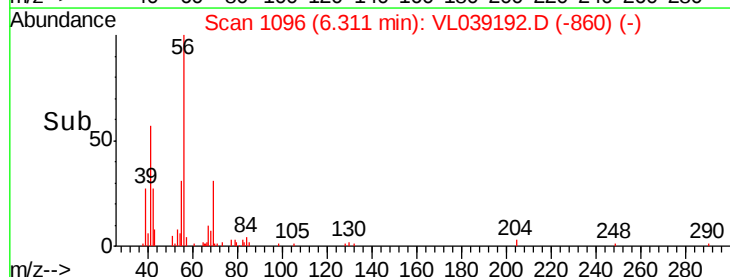
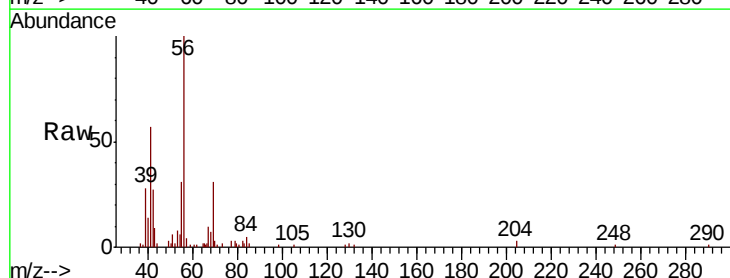
#39
 1,2-Dichloropropane
 Concen: 7.641 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 20:00

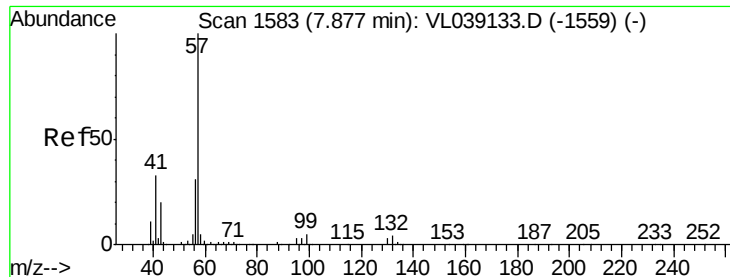
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	15.1	52.9	79.3#



#41
 Tetrahydrofuran
 Concen: 0.079 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.26 min
 Lab File: VL039192.D
 Acq: 6 Jun 2022 20:00

Tgt Ion	Ratio	Lower	Upper
42	100		
72	1.6	32.0	48.0#
71	0.0	31.1	46.7#





#44

2,2,4-Trimethylpentane

Concen: 0.220 ppbv

RT: 7.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jun 2022 20:00

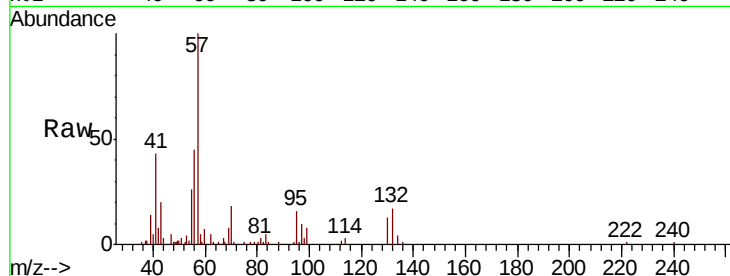
Tot Ion: 57 Resp: 98788

Ion Ratio Lower Upper

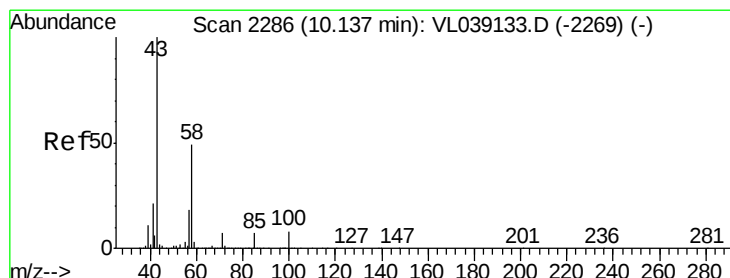
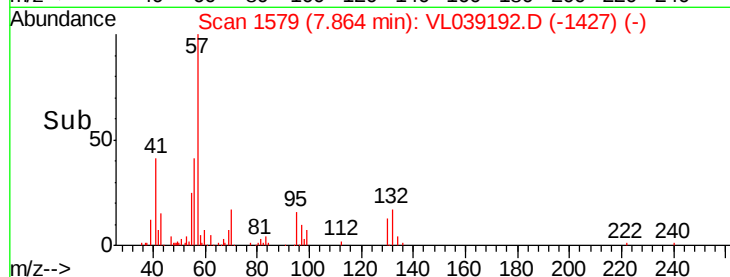
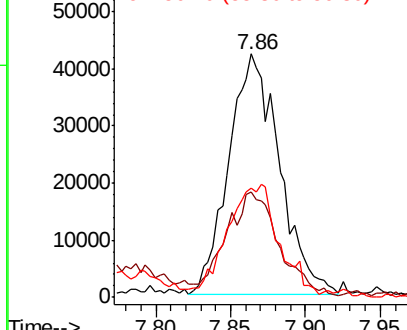
57 100

41 46.2 26.2 39.4#

56 50.5 24.7 37.1#



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



#51

2-Hexanone

Concen: 0.041 ppbv

RT: 10.11 min Scan# 2279

Delta R.T. -0.02 min

Lab File: VL039192.D

Acq: 6 Jun 2022 20:00

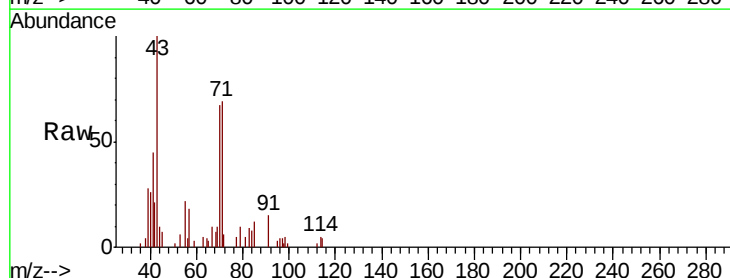
Tgt Ion: 43 Resp: 8191

Ion Ratio Lower Upper

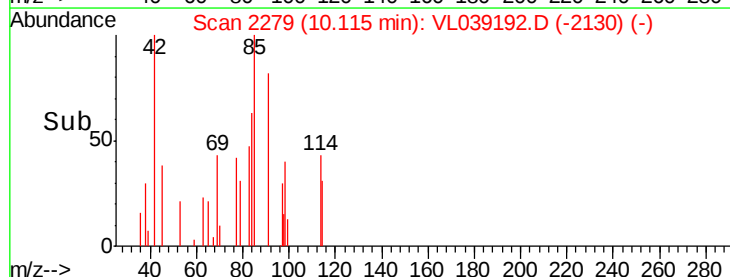
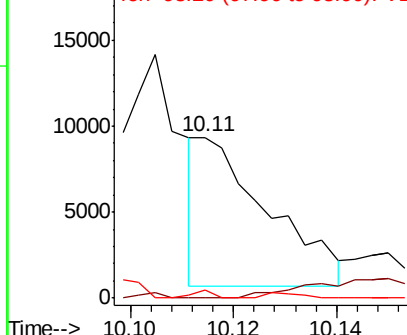
43 100

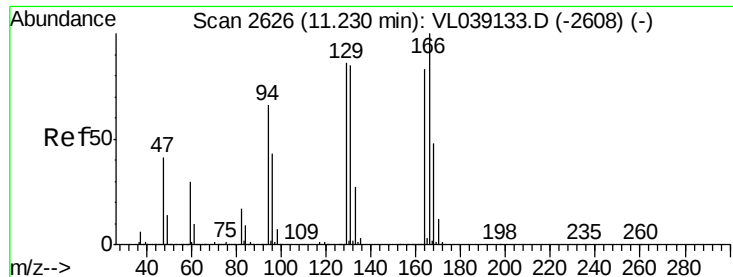
58 0.0 40.0 60.0#

98 3.2 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0





#52

Tetrachloroethene

Concen: 25.274 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jun 2022 20:00

Tot Ion:164 Resp: 2536868

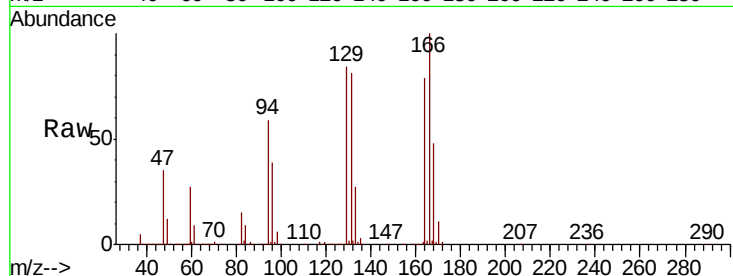
Ion Ratio Lower Upper

164 100

166 126.5 96.3 144.5

129 106.7 82.5 123.7

131 102.2 82.1 123.1



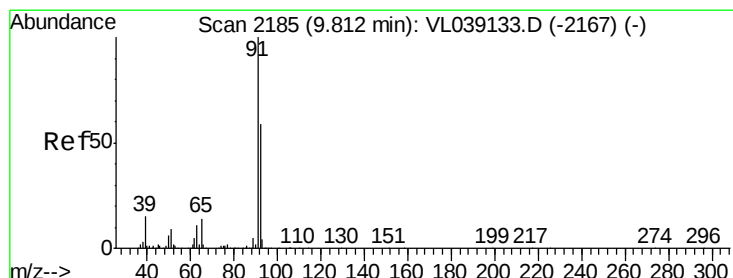
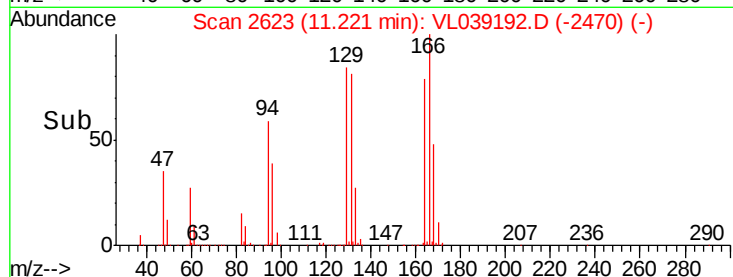
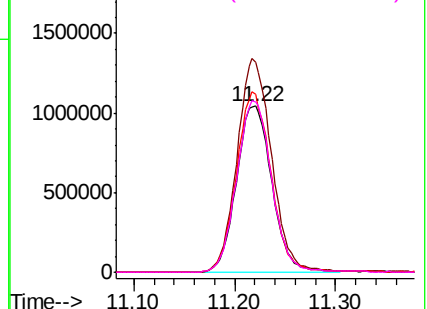
Abundance

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: 3.650 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL039192.D

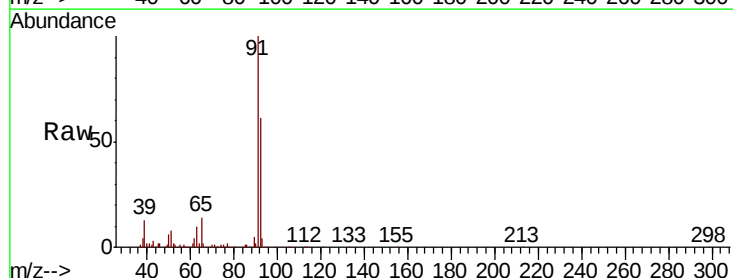
Acq: 6 Jun 2022 20:00

Tgt Ion: 91 Resp: 1080408

Ion Ratio Lower Upper

91 100

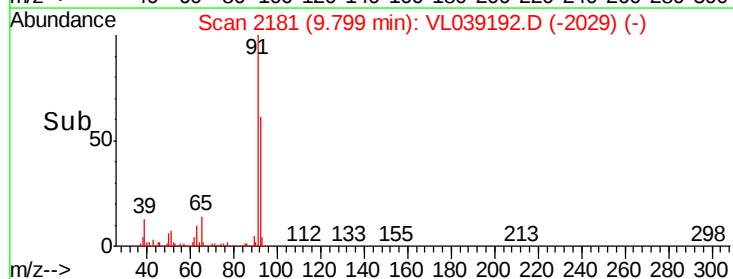
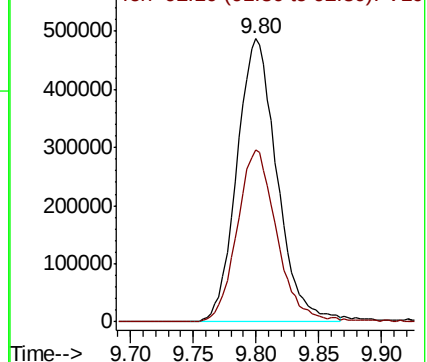
92 60.6 48.1 72.1

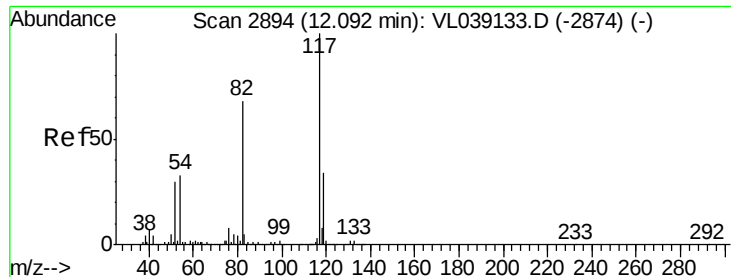


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jun 2022 20:00

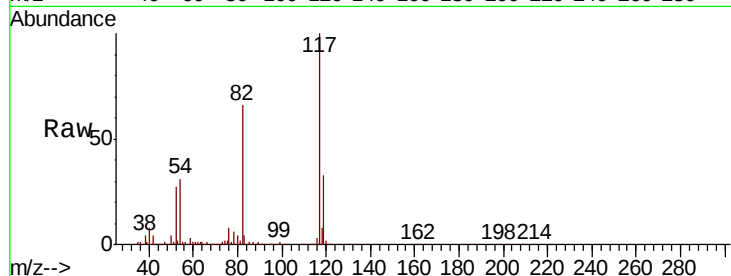
Tot Ion:117 Resp: 2851409

Ion Ratio Lower Upper

117 100

82 68.9 55.1 82.7

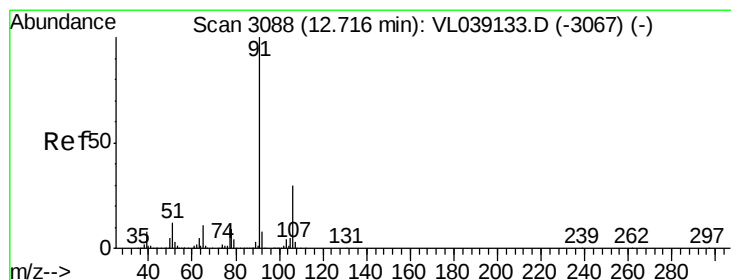
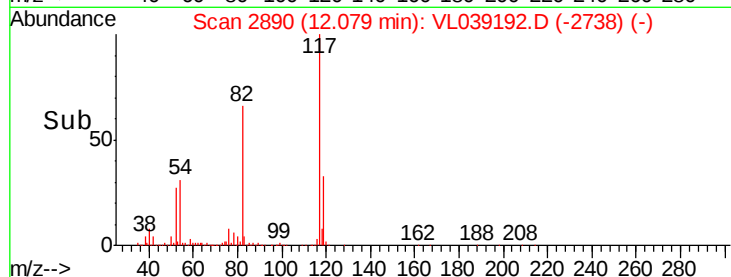
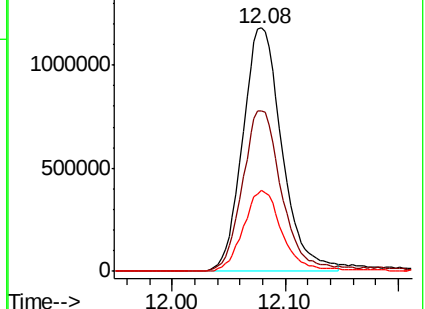
119 33.5 24.7 37.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.811 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL039192.D

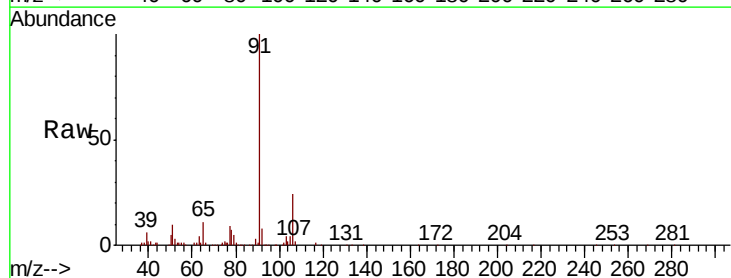
Acq: 6 Jun 2022 20:00

Tgt Ion: 91 Resp: 318514

Ion Ratio Lower Upper

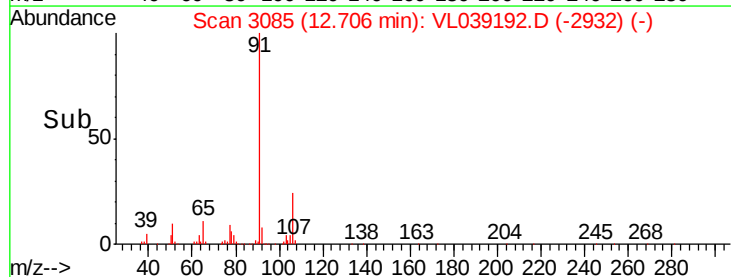
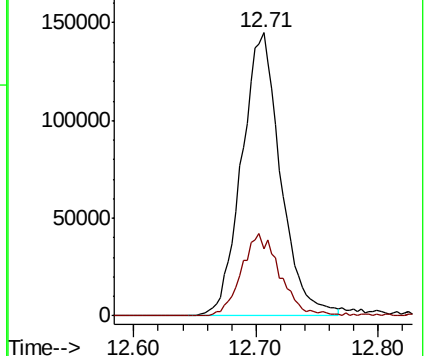
91 100

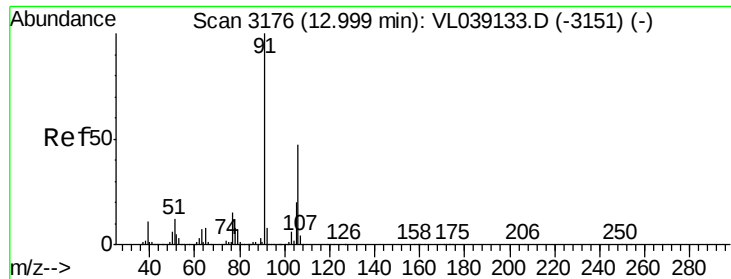
106 23.8 24.2 36.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

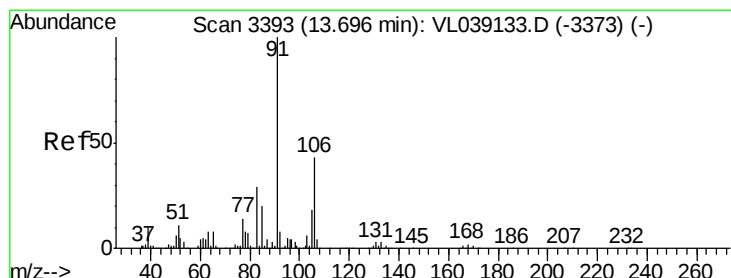
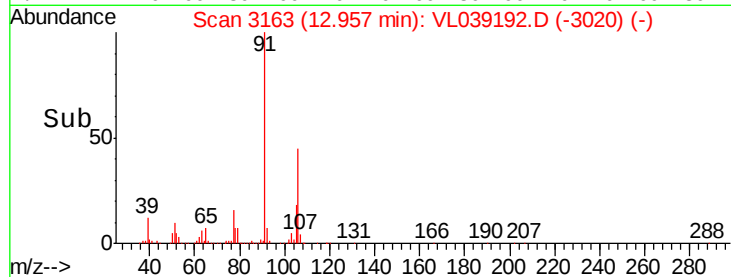
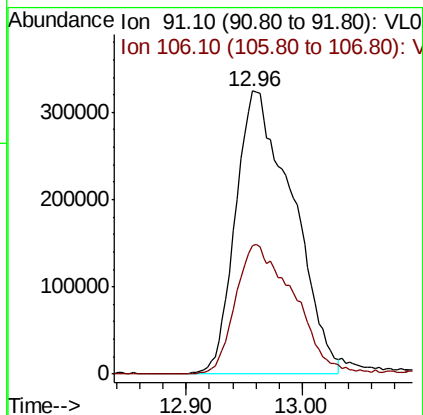
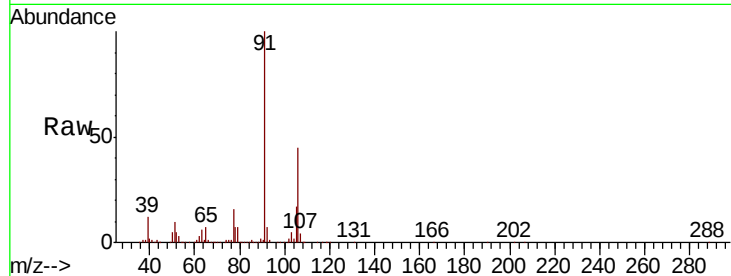
Ion 106.10 (105.80 to 106.80): V





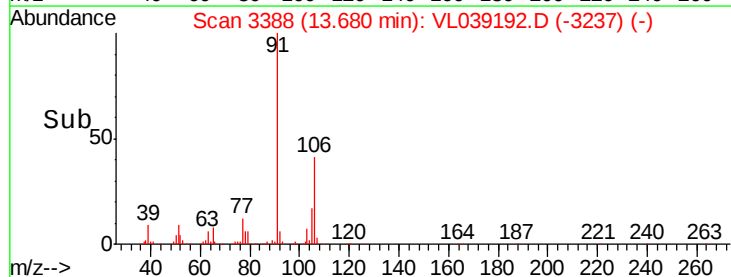
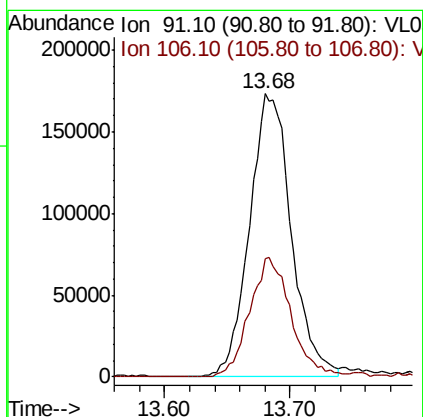
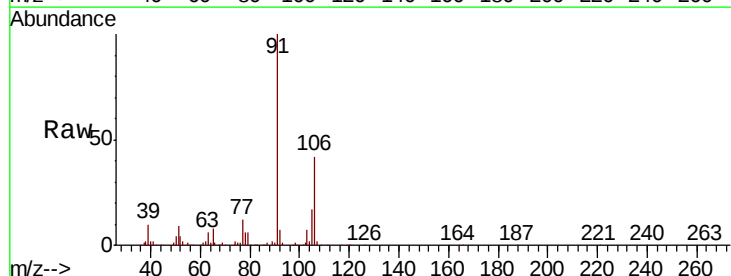
#59
m/p-Xylene
Concen: 3.179 ppbv
RT: 12.96 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 20:00

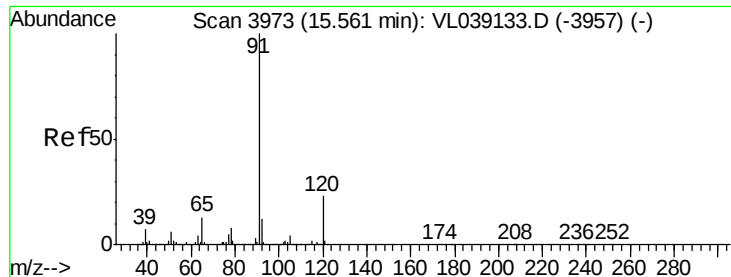
Tot Ion: 91 Resp: 1099606
Ion Ratio Lower Upper
91 100
106 48.1 34.3 51.5



#60
o-Xylene
Concen: 1.230 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL039192.D
Acq: 6 Jun 2022 20:00

Tgt Ion: 91 Resp: 399804
Ion Ratio Lower Upper
91 100
106 42.8 22.3 66.9





#64

n-propylbenzene

Concen: 0.260 ppbv

RT: 15.55

Delta R.T. MSVOA_L

Lab File:

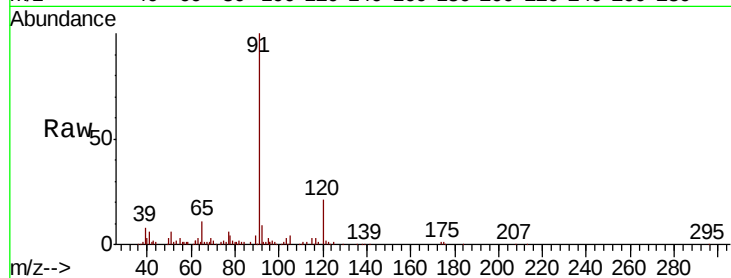
Acq: 6 Jun 2022 20:00

Tot Ion:120 Resp: 30915

Ion Ratio Lower Upper

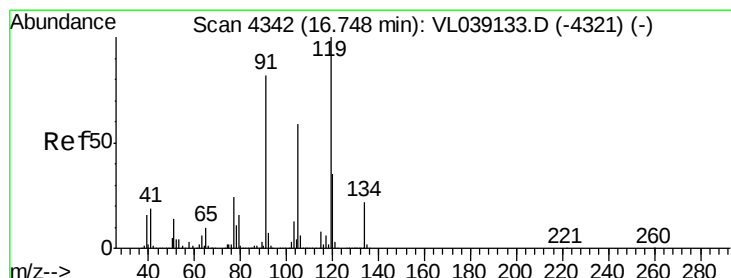
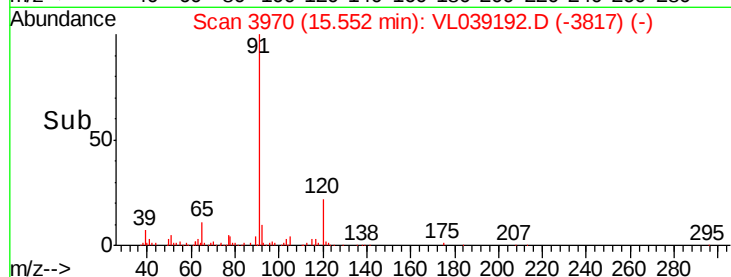
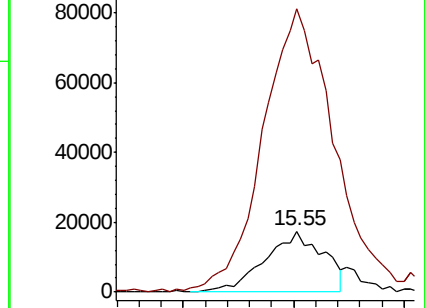
120 100

91 602.9 388.4 582.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.183 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL039192.D

Acq: 6 Jun 2022 20:00

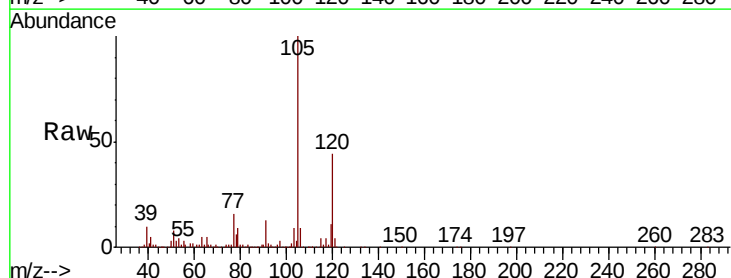
Tgt Ion:119 Resp: 80632

Ion Ratio Lower Upper

119 100

91 117.4 67.1 100.7#

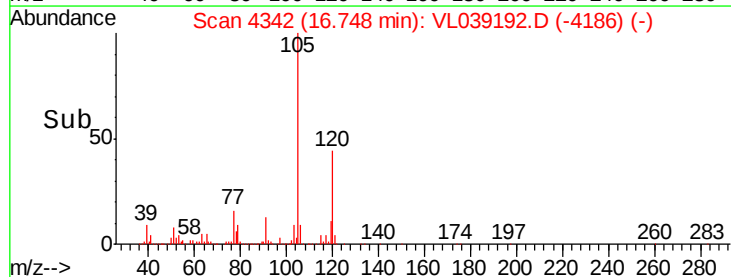
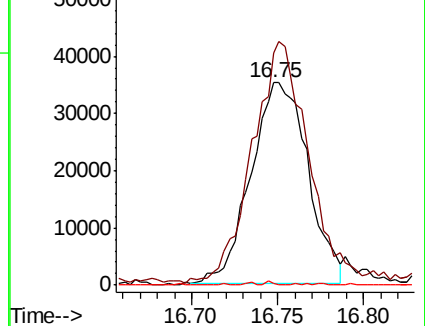
134 0.0 15.8 23.8#

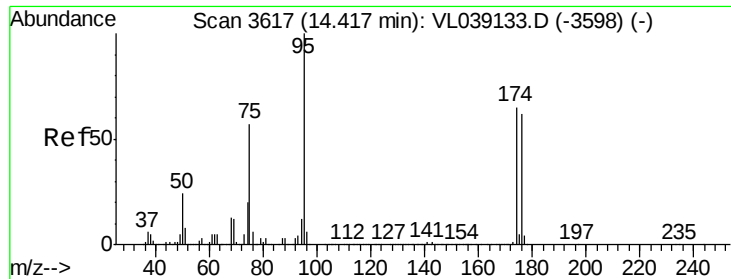


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.564 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jun 2022 20:00

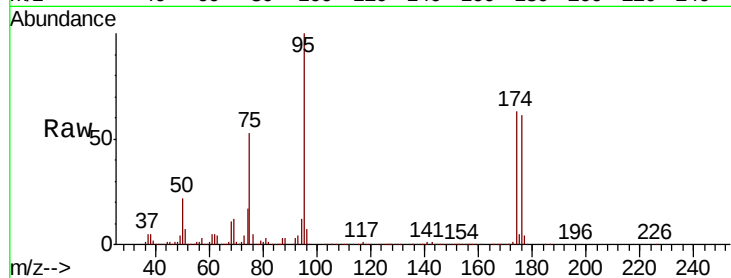
Tot Ion: 95 Resp: 2254686

Ion Ratio Lower Upper

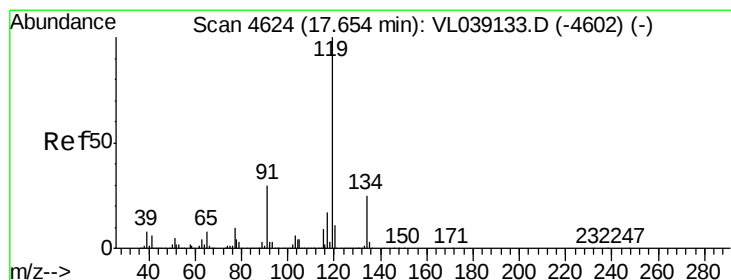
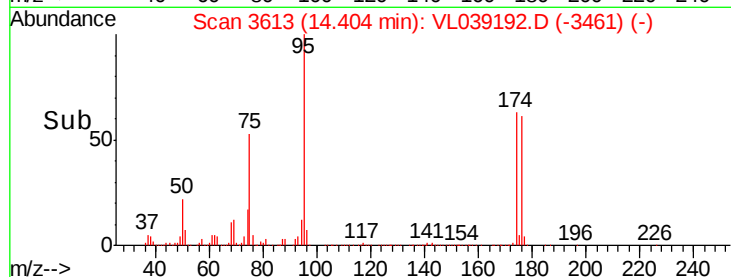
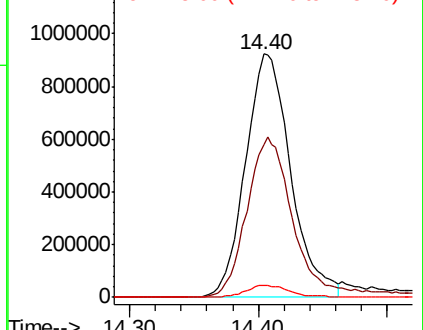
95 100

174 70.5 53.8 80.8

175 4.8 4.1 6.1



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: 0.031 ppbv

RT: 17.64 min Scan# 4619

Delta R.T. -0.02 min

Lab File: VL039192.D

Acq: 6 Jun 2022 20:00

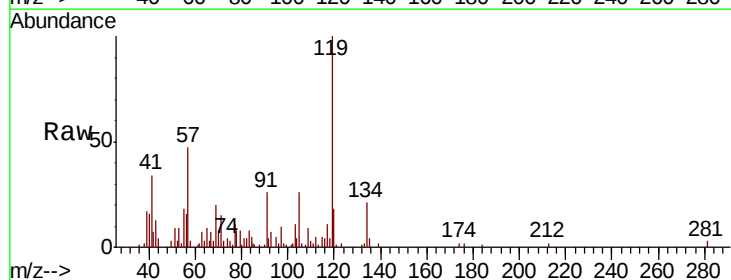
Tgt Ion: 119 Resp: 15898

Ion Ratio Lower Upper

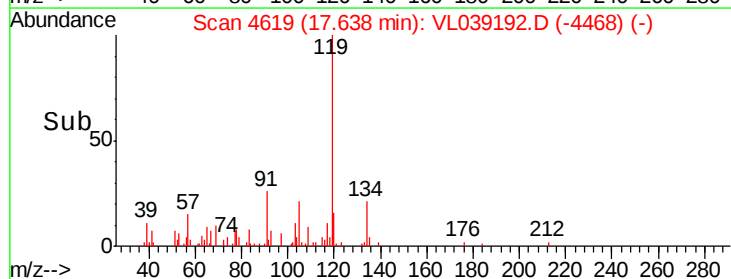
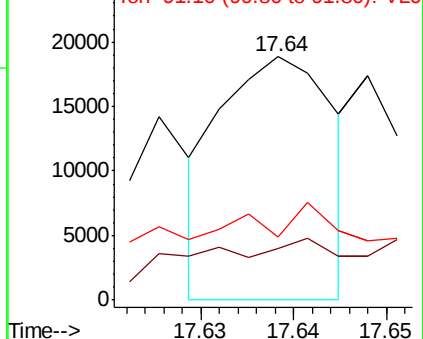
119 100

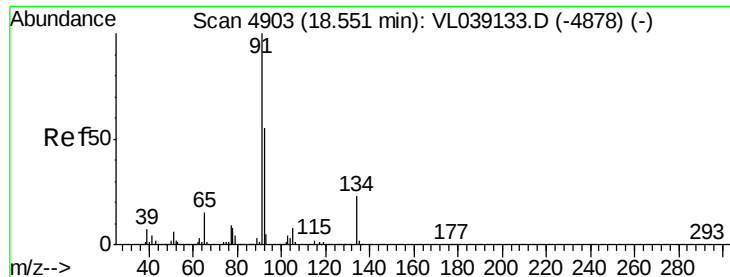
134 74.3 20.4 30.6#

91 96.2 24.2 36.4#



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: 0.077 ppbv

RT: 18.54

Delta R.T. MSVOA_L

Lab File:

Acq: 6 Jun 2022 20:00

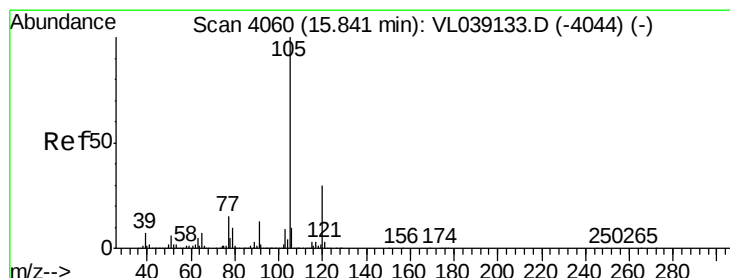
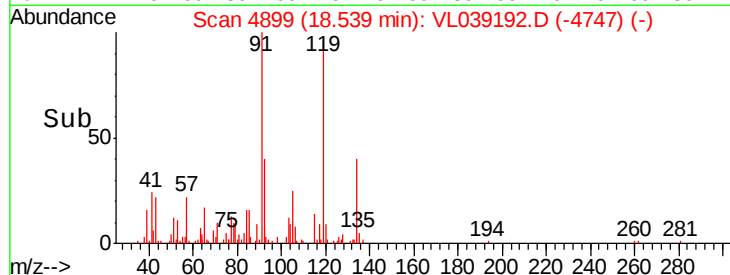
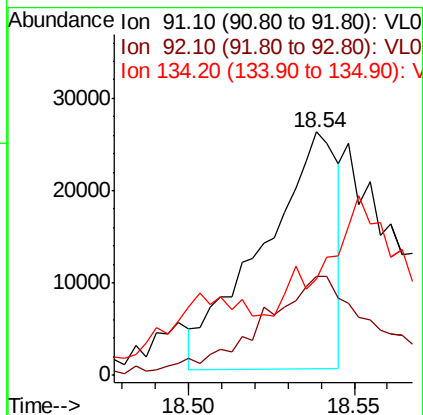
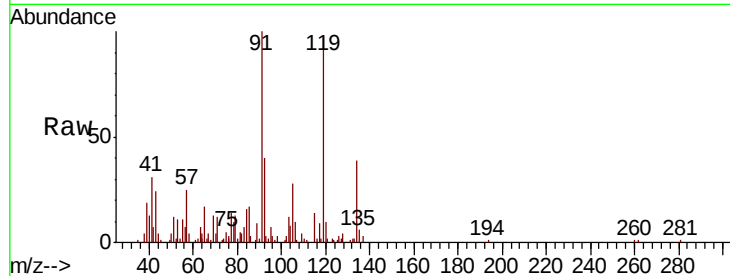
Tot Ion: 91 Resp: 40446

Ion Ratio Lower Upper

91 100

92 69.7 43.6 65.4#

134 0.0 17.7 26.5#



#72

4-Ethyltoluene

Concen: 0.632 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.01 min

Lab File: VL039192.D

Acq: 6 Jun 2022 20:00

Tgt Ion: 105 Resp: 240836

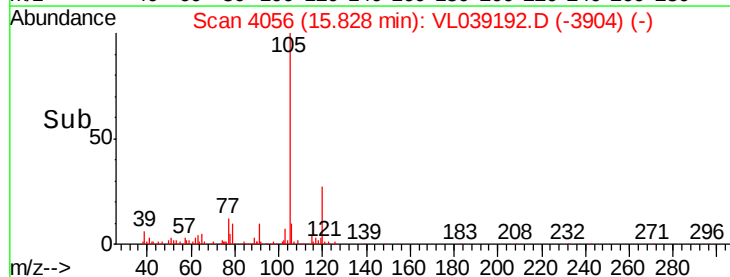
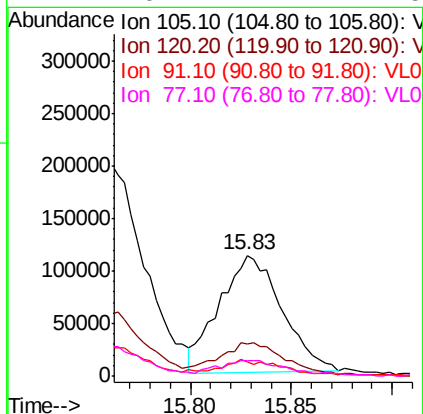
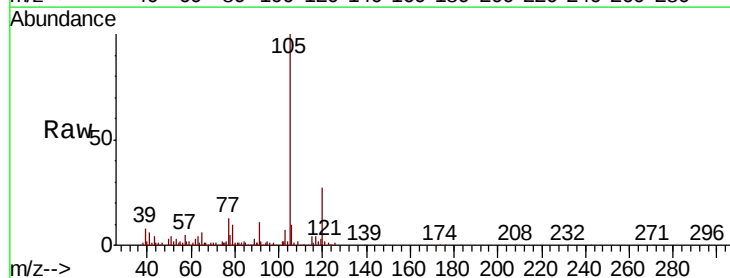
Ion Ratio Lower Upper

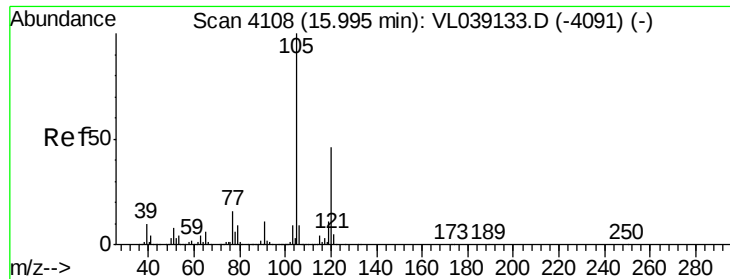
105 100

120 30.4 23.9 35.9

91 13.0 10.6 16.0

77 16.4 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 0.558 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

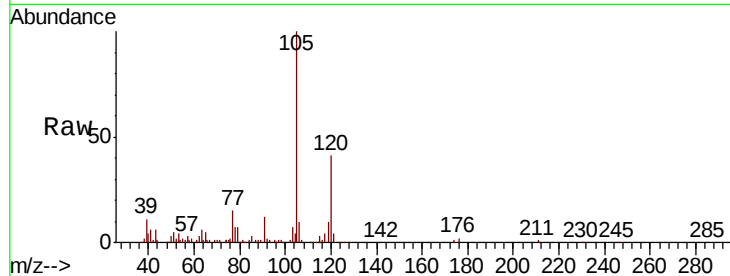
Acq: 6 Jun 2022 20:00

Tot Ion:105 Resp: 191572

Ion Ratio Lower Upper

105 100

120 42.8 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

100000

80000

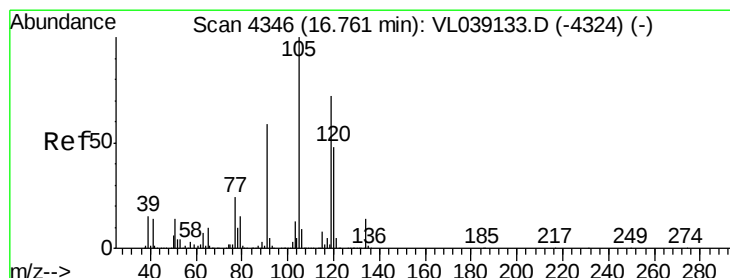
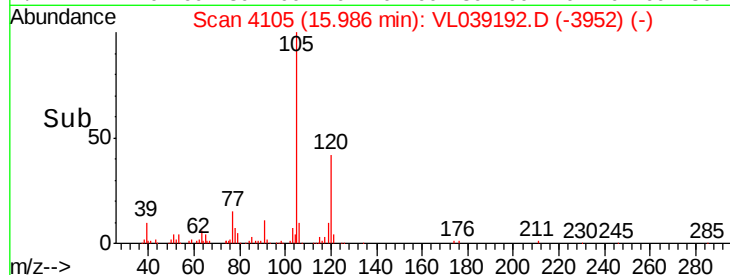
60000

40000

20000

0

Time--> 15.90 15.95 16.00 16.05



#74

1,2,4-Trimethylbenzene

Concen: 2.152 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL039192.D

Acq: 6 Jun 2022 20:00

Tgt Ion:105 Resp: 825141

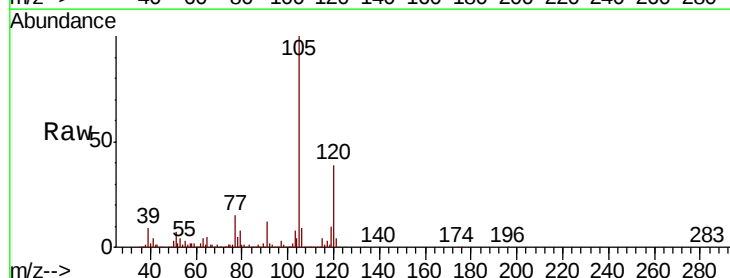
Ion Ratio Lower Upper

105 100

120 38.4 38.1 57.1

91 11.9 47.4 71.0#

77 14.6 19.5 29.3#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

500000

400000

300000

200000

100000

0

Time--> 16.70 16.80

