

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038799.D
 Acq On : 30 Mar 2022 18:03
 Operator : SY/AP
 Sample : N2169-01DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 04:12:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	954739	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2678032	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2397635	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1706995	9.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	102487	0.799	ppbv 97
4) Chloromethane	3.14	50	9021	0.163	ppbv # 88
7) Chloroethane	3.56	64	896	0.048	ppbv # 89
8) Dichlorotetrafluoroethane	3.05	85	102487	0.800	ppbv # 14
9) Propene	3.01	41	541517	11.124	ppbv 94
10) Heptane	8.12	43	63425	0.545	ppbv # 26
11) Trichlorofluoromethane	3.95	101	6617	0.058	ppbv # 76
13) Ethanol	3.60	45	174309	32.459	ppbv 98
15) Acetone	3.84	43	3534191	42.900	ppbv 94
16) 1,3-Butadiene	3.31	39	326105	6.975	ppbv # 39
17) tert-Butyl alcohol	4.29	59	125969	1.751	ppbv # 94
19) Isopropyl Alcohol	3.96	45	123832	2.711	ppbv # 91
20) Methylene Chloride	4.34	84	28208	0.813	ppbv 98
21) Allyl Chloride	4.40	41	2605	0.044	ppbv # 23
23) Vinyl Acetate	5.05	43	15649	0.196	ppbv # 1
25) Ethyl Acetate	5.68	43	194184	0.936	ppbv # 79
26) Hexane	5.68	57	271485	2.924	ppbv # 32
27) Carbon Disulfide	4.55	76	333716	3.664	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	3727	0.054	ppbv # 51
30) Cyclohexane	7.12	84	22447	0.278	ppbv # 24
32) 1,1,1-Trichloroethane	6.51	97	10276	0.072	ppbv # 59
34) 2-Butanone	5.24	43	447138	4.218	ppbv 94
36) Benzene	6.88	78	368059	1.781	ppbv 97
39) 1,2-Dichloropropane	7.17	63	578906	7.165	ppbv # 29
41) Tetrahydrofuran	6.04	42	4013	0.051	ppbv # 35
43) Methyl Methacrylate	7.86	69	5862	0.076	ppbv # 1
44) 2,2,4-Trimethylpentane	7.86	57	921765	2.656	ppbv # 89
50) 4-Methyl-2-Pentanone	8.74	43	138165	0.701	ppbv 96
51) 2-Hexanone	10.12	43	205235	1.450	ppbv 96
52) Tetrachloroethene	11.21	164	60253	0.797	ppbv 95
53) Toluene	9.79	91	432701	1.948	ppbv 98
58) Ethyl Benzene	12.70	91	109866	0.392	ppbv 99
59) m/p-Xylene	12.96	91	223279	0.911	ppbv 92
60) o-Xylene	13.68	91	104603	0.449	ppbv 94
61) Styrene	13.52	104	33721	0.267	ppbv 100
62) Isopropylbenzene	14.65	105	68461	0.196	ppbv 95
64) n-propylbenzene	15.55	120	2783	0.030	ppbv # 1
72) 4-Ethyltoluene	15.82	105	13303	0.048	ppbv # 44
73) 1,3,5-Trimethylbenzene	15.98	105	13459	0.054	ppbv # 82
74) 1,2,4-Trimethylbenzene	16.75	105	75277	0.276	ppbv # 73

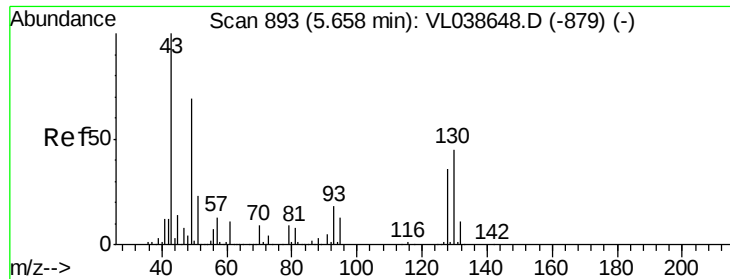
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
Data File : VL038799.D
Acq On : 30 Mar 2022 18:03
Operator : SY/AP
Sample : N2169-01DL 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 31 04:12:24 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 18:03

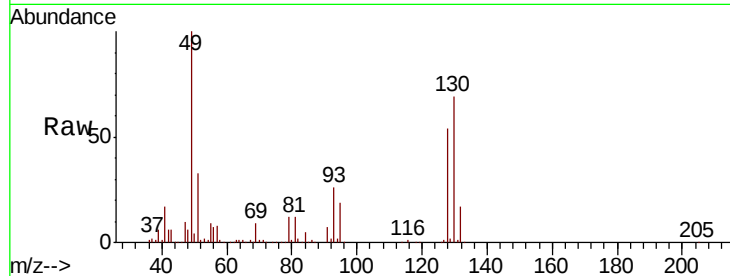
Tot Ion: 49 Resp: 954739

Ion Ratio Lower Upper

49 100

128 55.7 26.2 78.6

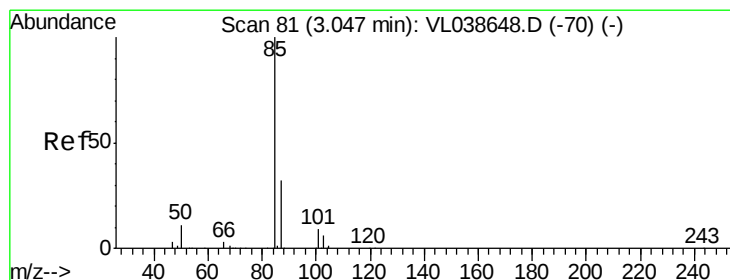
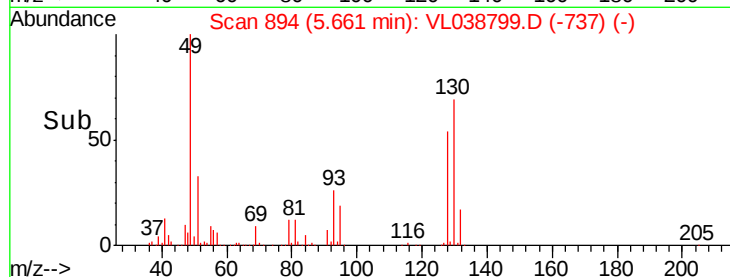
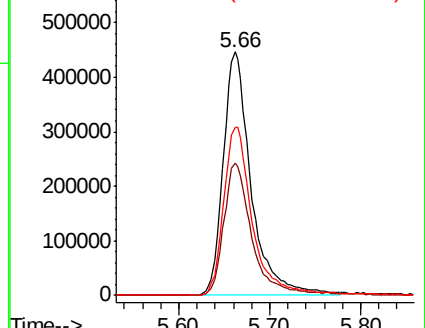
130 71.4 33.7 101.1



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: 0.799 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL038799.D

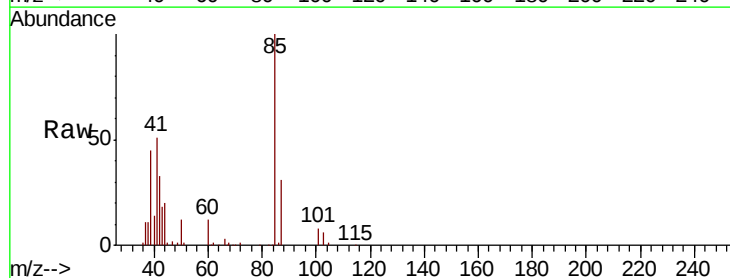
Acq: 30 Mar 2022 18:03

Tgt Ion: 85 Resp: 102487

Ion Ratio Lower Upper

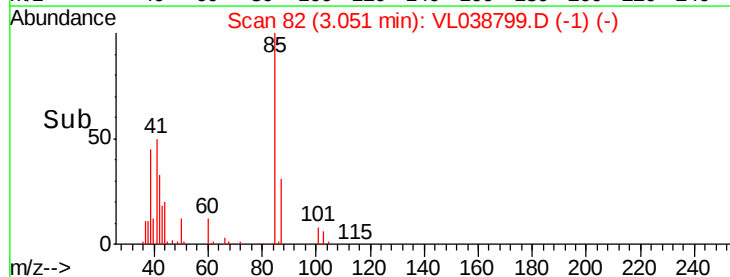
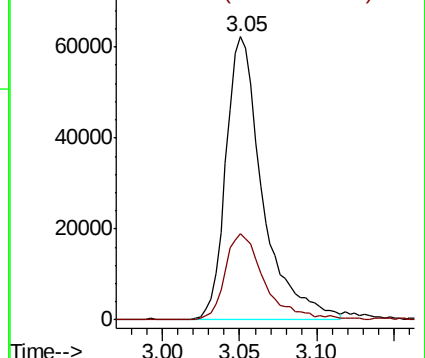
85 100

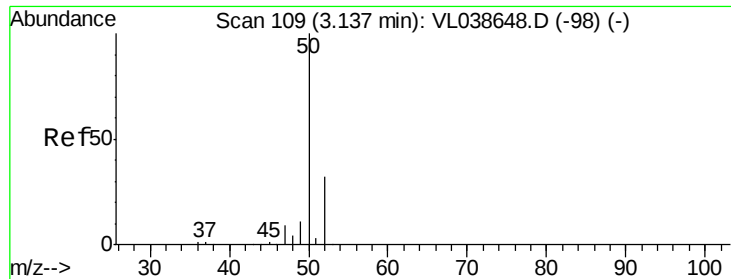
87 30.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.163 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

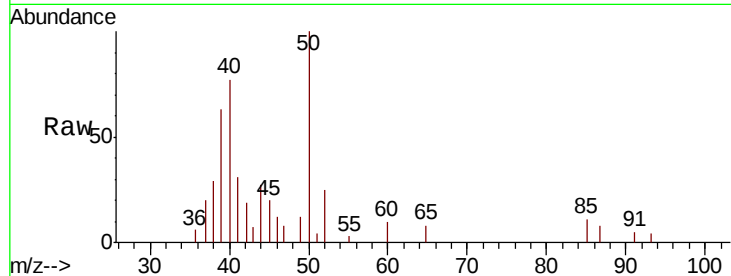
Acq: 30 Mar 2022 18:03

Tot Ion: 50 Resp: 9021

Ion Ratio Lower Upper

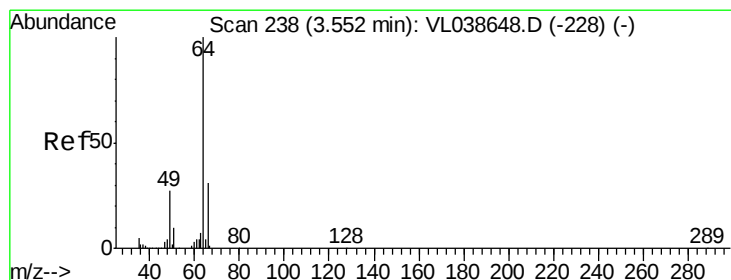
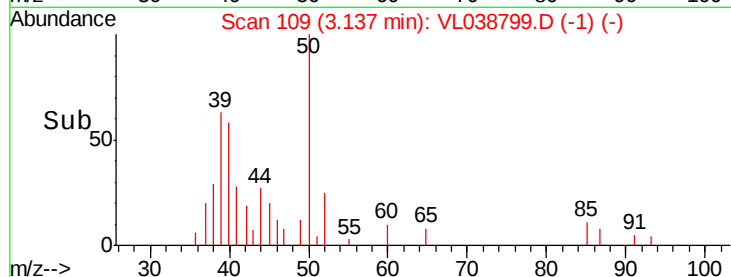
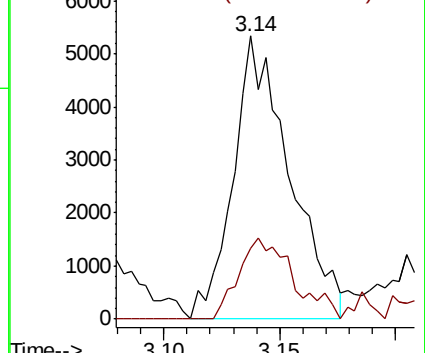
50 100

52 25.2 25.5 38.3#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#7

Chloroethane

Concen: 0.048 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL038799.D

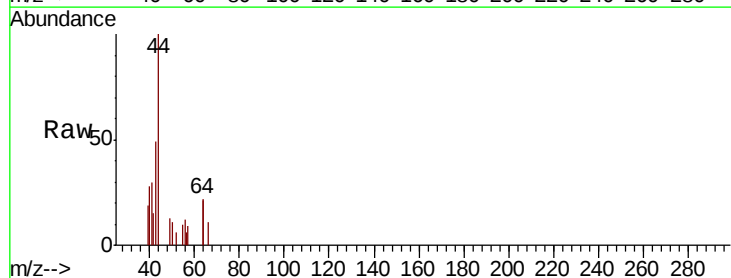
Acq: 30 Mar 2022 18:03

Tgt Ion: 64 Resp: 896

Ion Ratio Lower Upper

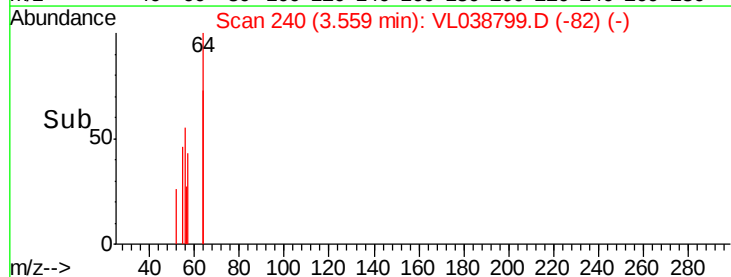
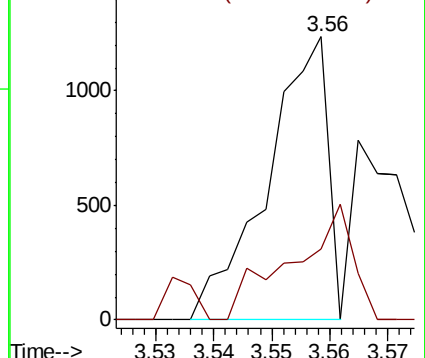
64 100

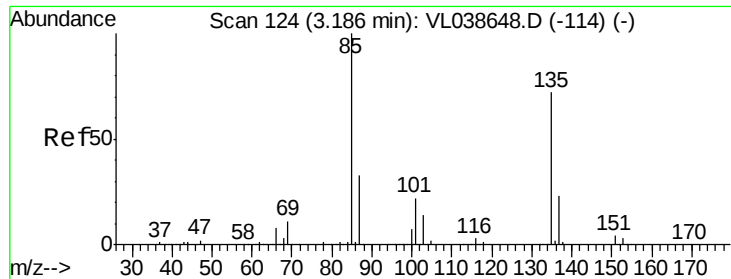
66 25.0 25.0 37.6#



Abundance Ion 64.10 (63.80 to 64.80): VL0

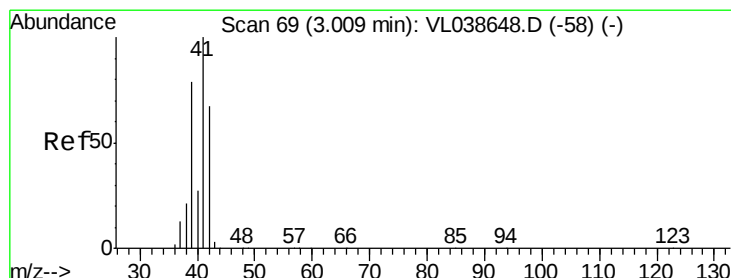
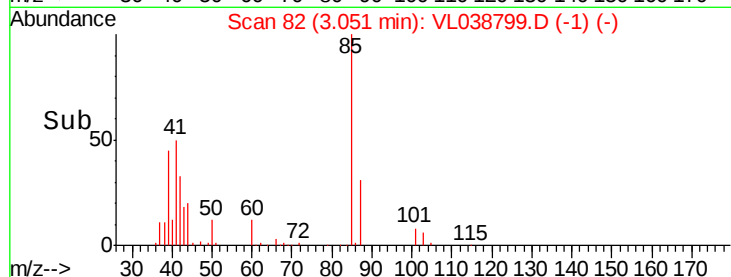
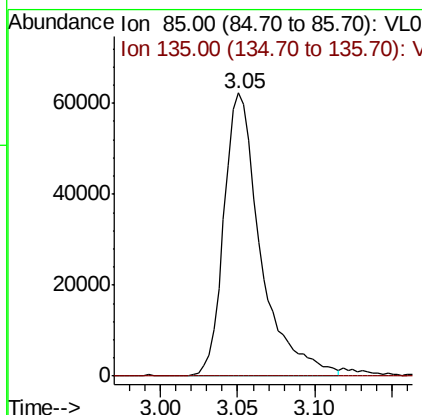
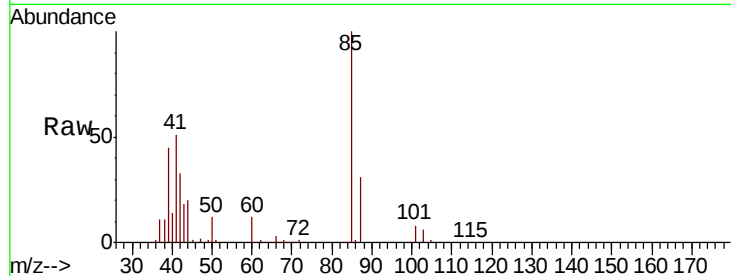
Ion 66.10 (65.80 to 66.80): VL0





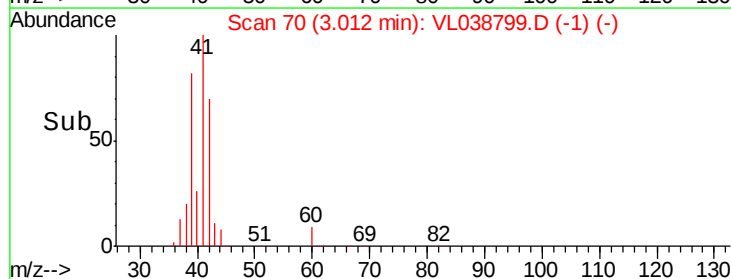
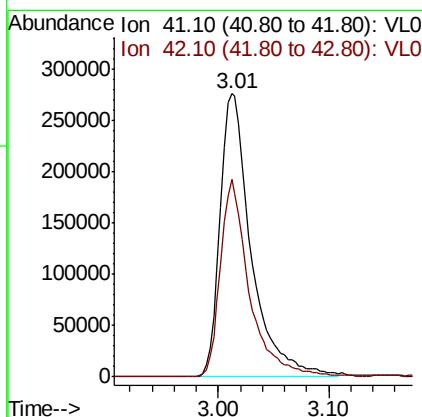
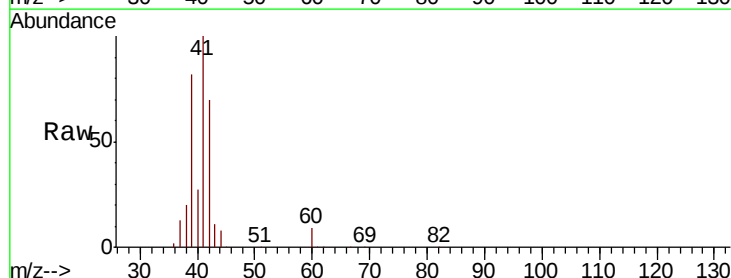
#8
Dichlorotetrafluoroethane
Concen: 0.800 ppbv
RT: 3.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 18:03

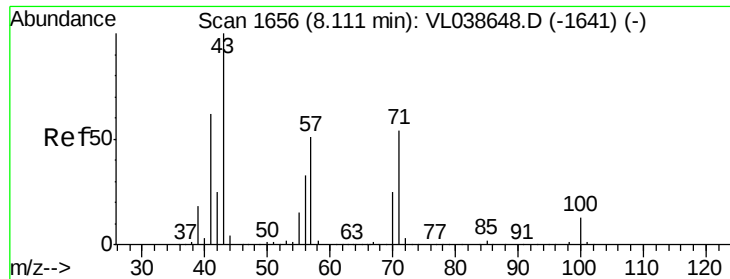
Tot Ion: 85 Resp: 102487
Ion Ratio Lower Upper
85 100
135 0.3 57.8 86.6#



#9
Propene
Concen: 11.124 ppbv
RT: 3.01 min Scan# 70
Delta R.T.: 0.00 min
Lab File: VL038799.D
Acq: 30 Mar 2022 18:03

Tgt Ion: 41 Resp: 541517
Ion Ratio Lower Upper
41 100
42 65.0 56.2 84.4





#10

Heptane

Concen: 0.545 ppbv

RT: 8.12 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

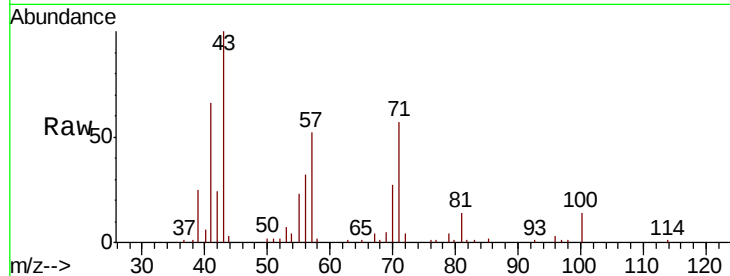
Acq: 30 Mar 2022 18:03

Tot Ion: 43 Resp: 63425

Ion Ratio Lower Upper

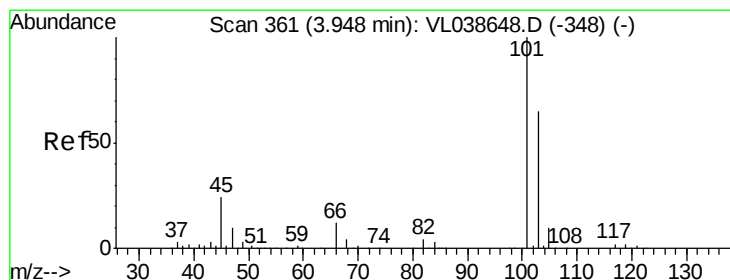
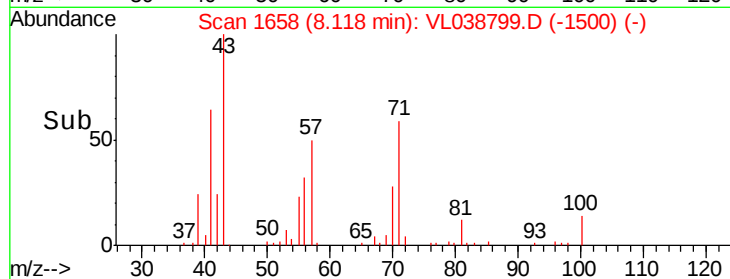
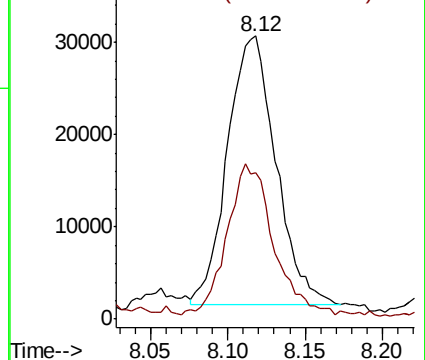
43 100

57 0.0 41.4 62.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.058 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL038799.D

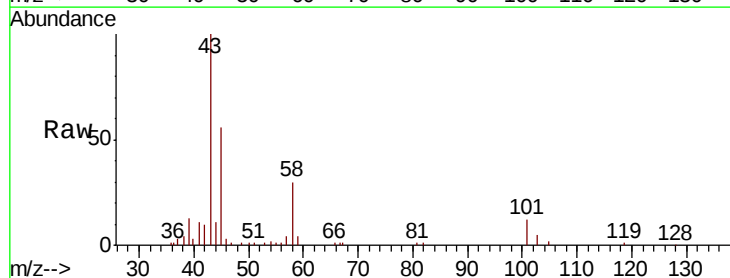
Acq: 30 Mar 2022 18:03

Tgt Ion:101 Resp: 6617

Ion Ratio Lower Upper

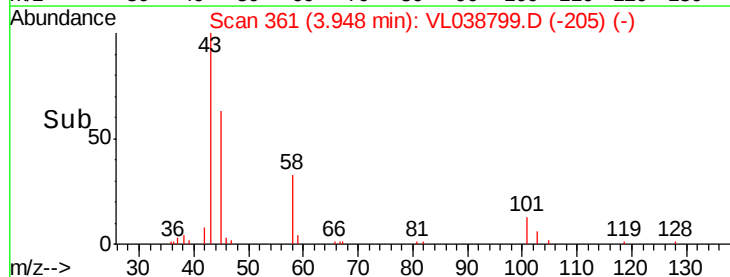
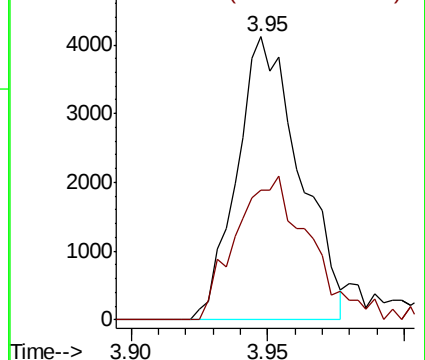
101 100

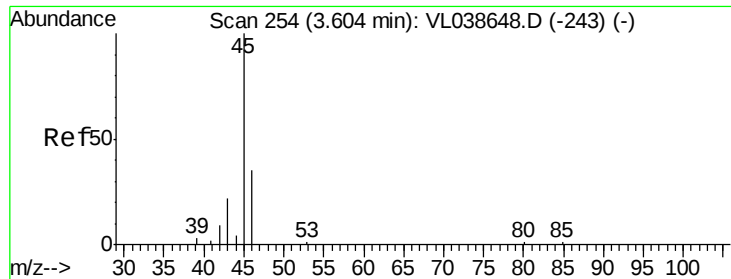
103 45.6 51.9 77.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 32.459 ppbv

RT: 3.60 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

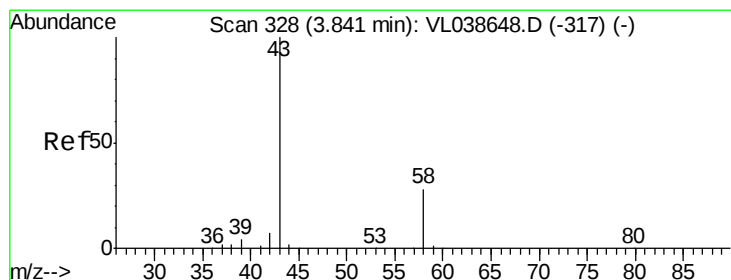
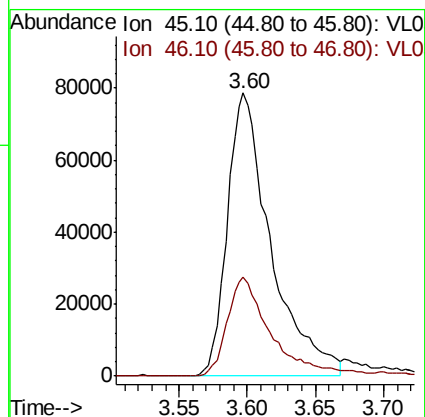
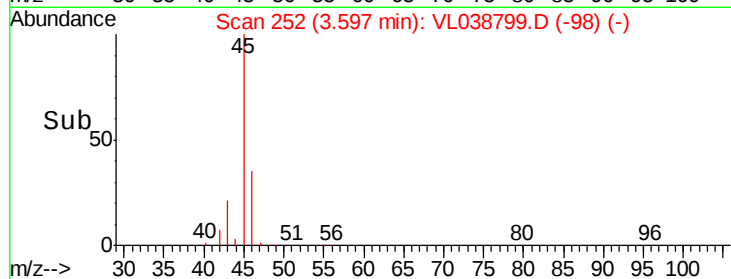
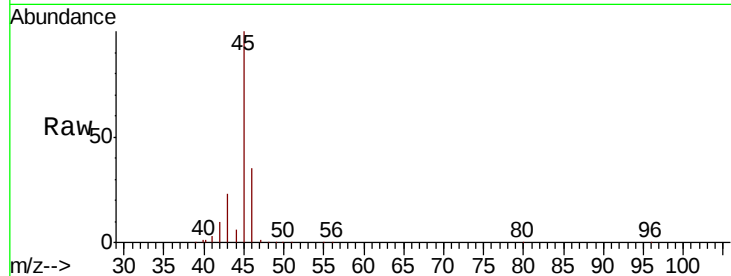
Acq: 30 Mar 2022 18:03

Tot Ion: 45 Resp: 174309

Ion Ratio Lower Upper

45 100

46 36.6 15.1 60.5



#15

Acetone

Concen: 42.900 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.00 min

Lab File: VL038799.D

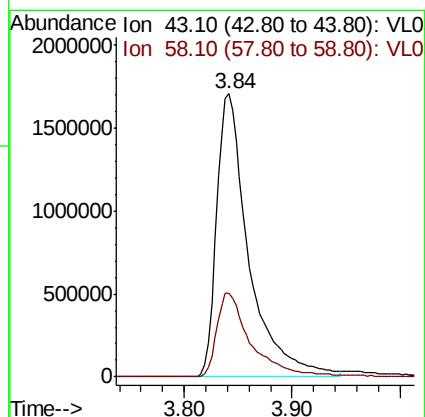
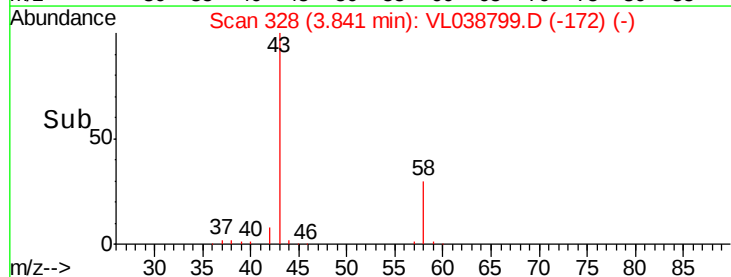
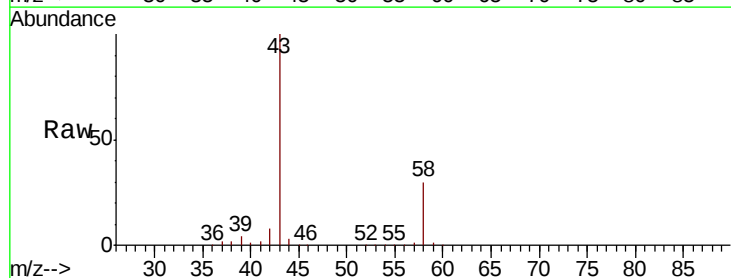
Acq: 30 Mar 2022 18:03

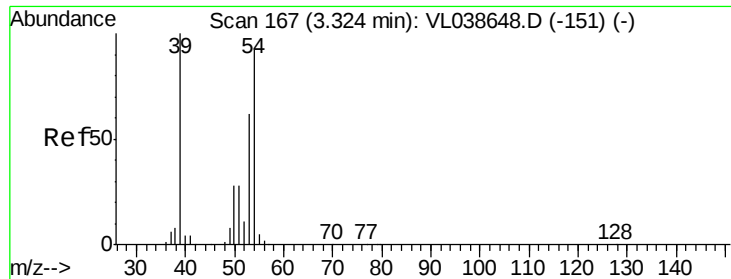
Tgt Ion: 43 Resp: 3534191

Ion Ratio Lower Upper

43 100

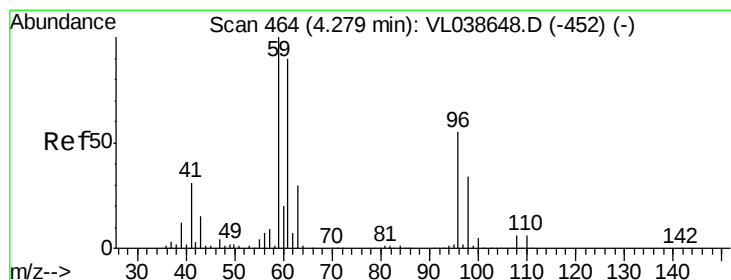
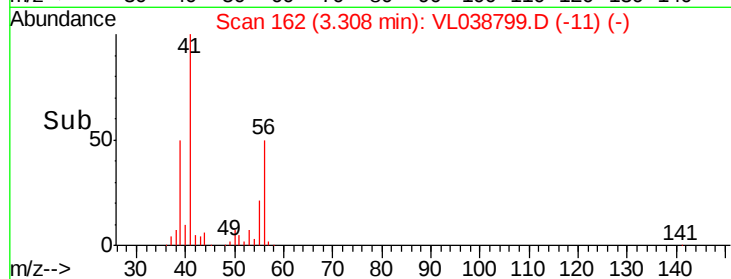
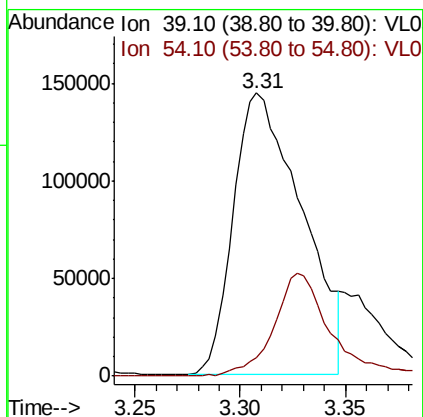
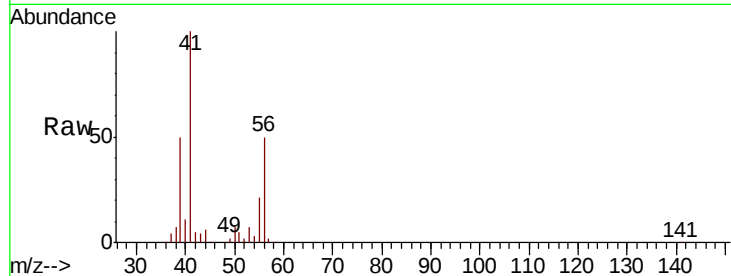
58 32.1 23.3 34.9





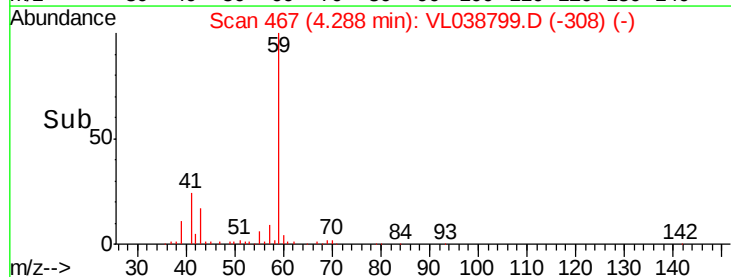
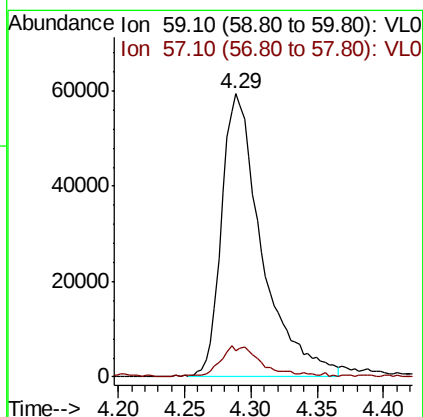
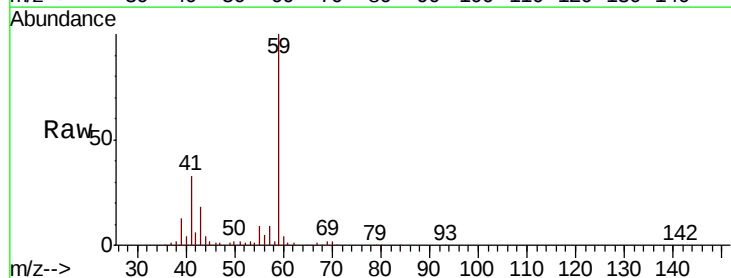
#16
 1,3-Butadiene
 Concen: 6.975 ppbv
 RT: 3.31
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 18:03

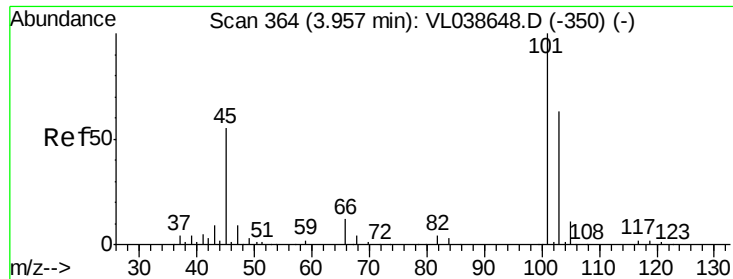
Tot Ion: 39 Resp: 326105
 Ion Ratio Lower Upper
 39 100
 54 30.4 69.1 103.7#



#17
 tert-Butyl alcohol
 Concen: 1.751 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T.: 0.01 min
 Lab File: VL038799.D
 Acq: 30 Mar 2022 18:03

Tgt Ion: 59 Resp: 125969
 Ion Ratio Lower Upper
 59 100
 57 12.3 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 2.711 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

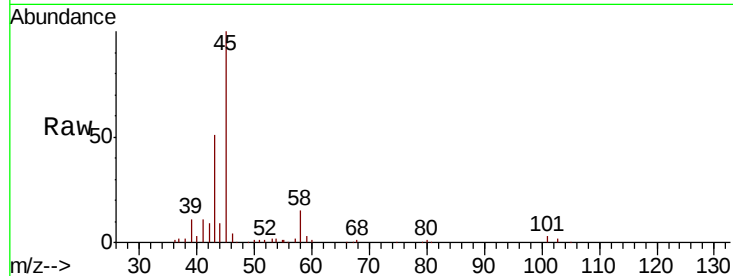
Acq: 30 Mar 2022 18:03

Tot Ion: 45 Resp: 123832

Ion Ratio Lower Upper

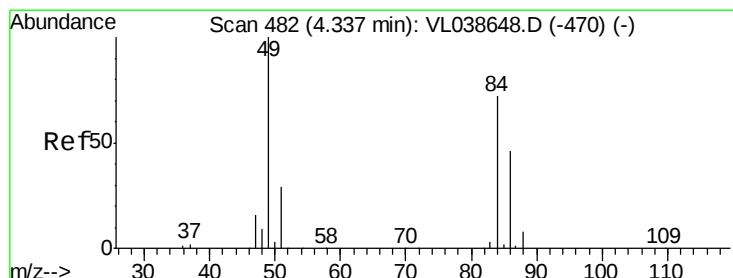
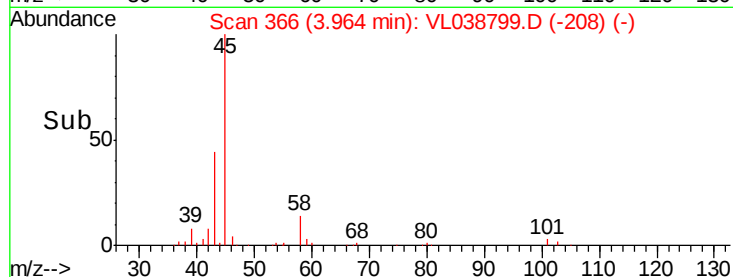
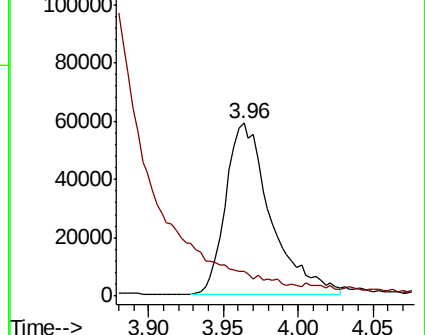
45 100

58 0.0 2.3 3.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.813 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL038799.D

Acq: 30 Mar 2022 18:03

Tgt Ion: 84 Resp: 28208

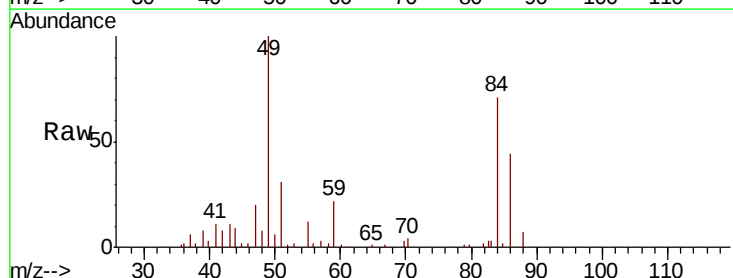
Ion Ratio Lower Upper

84 100

49 139.1 111.2 166.8

51 37.3 32.8 49.2

86 61.6 51.4 77.0

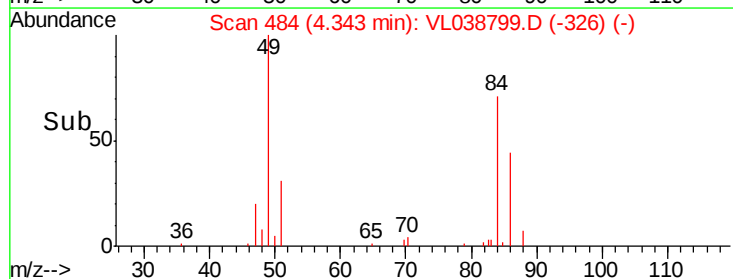
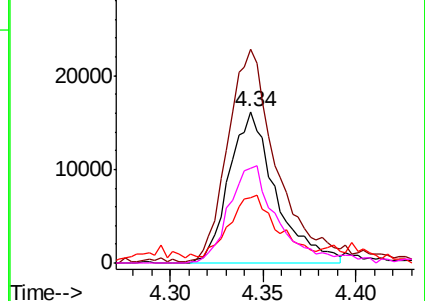


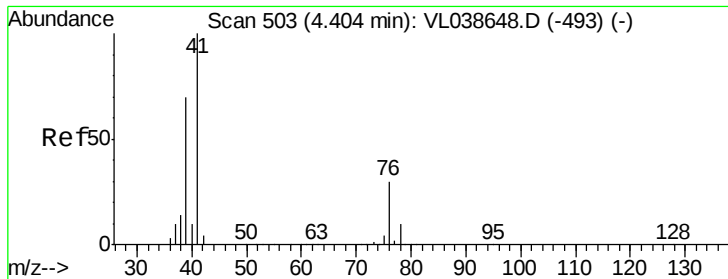
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

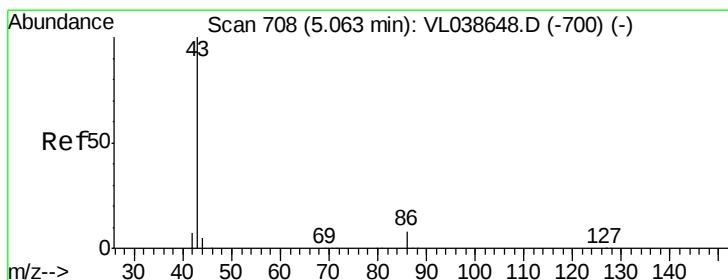
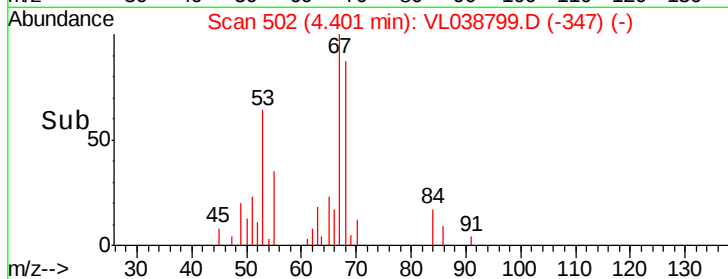
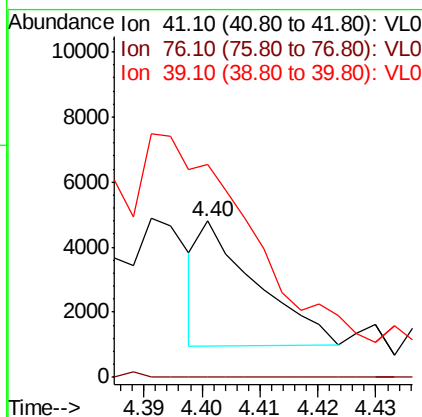
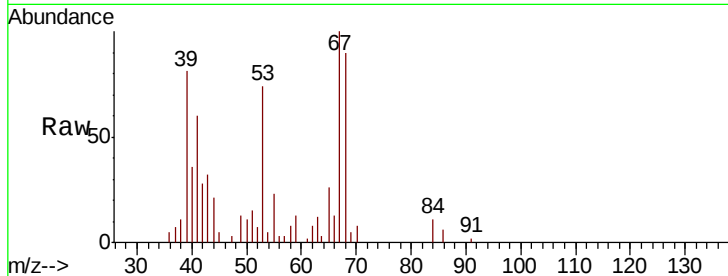
Ion 86.00 (85.70 to 86.70): VL0





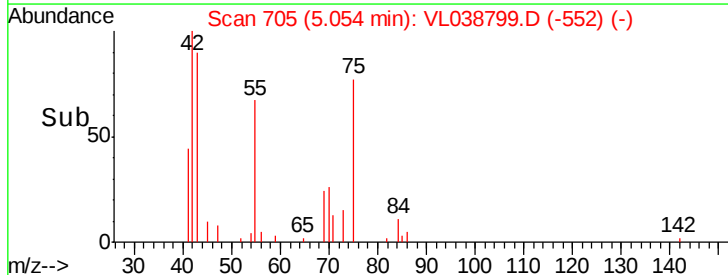
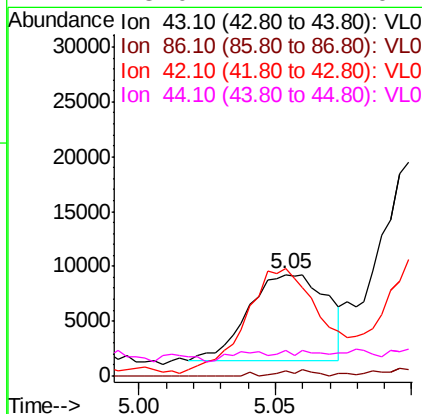
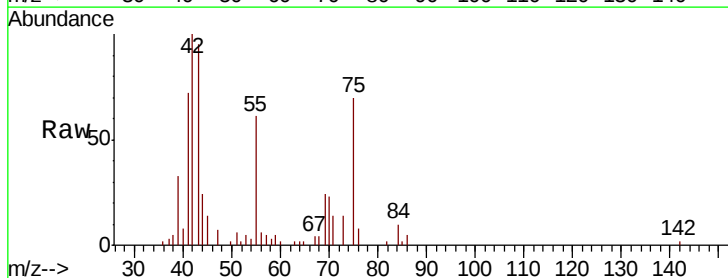
#21
 Allvl Chloride
 Concen: 0.044 ppbv
 RT: 4.40 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 18:03

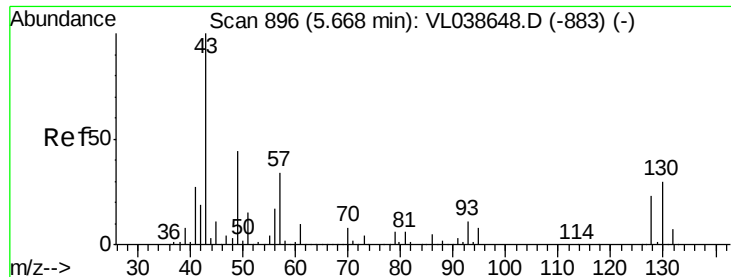
Tot Ion: 41 Resp: 2605
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.0 37.6#
 39 0.0 56.6 85.0#



#23
 Vinyl Acetate
 Concen: 0.196 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VL038799.D
 Acq: 30 Mar 2022 18:03

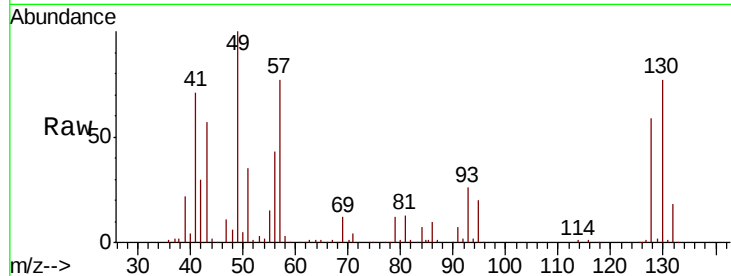
Tgt Ion: 43 Resp: 15649
 Ion Ratio Lower Upper
 43 100
 86 5.9 5.6 8.4
 42 118.2 6.8 10.2#
 44 8.0 4.2 6.2#





#25
Ethyl Acetate
Concen: 0.936 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 18:03

Tot Ion:	43	Resp:	194184
Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.2	12.4#
61	0.7	8.3	12.5#
70	4.6	5.6	8.4#



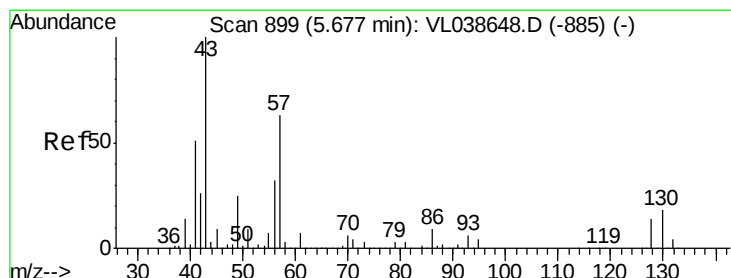
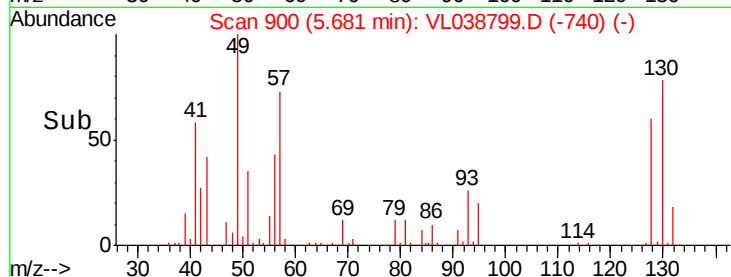
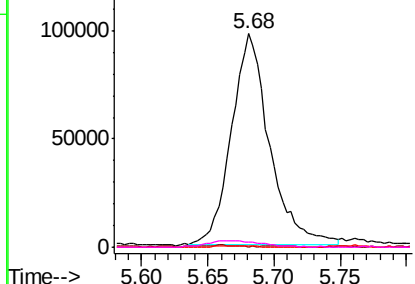
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

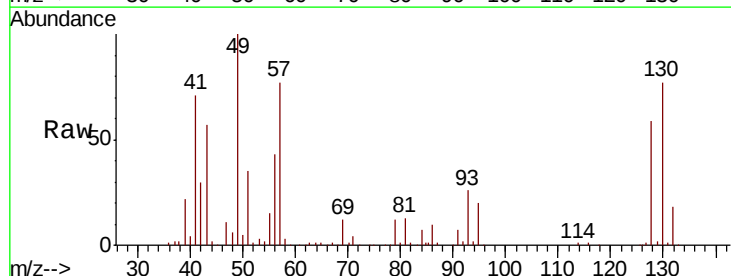
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 2.924 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL038799.D
Acq: 30 Mar 2022 18:03

Tgt Ion:	57	Resp:	271485
Ion	Ratio	Lower	Upper
57	100		
41	113.9	67.0	100.4#
43	75.9	184.2	276.2#
56	64.2	42.6	64.0#



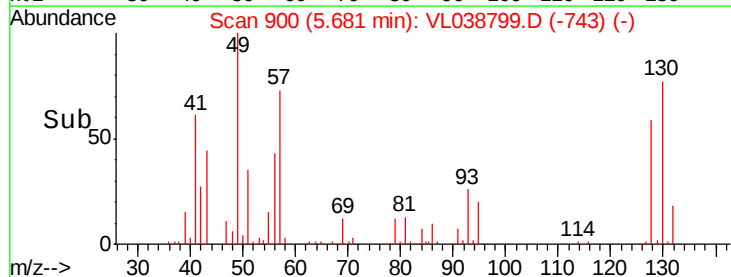
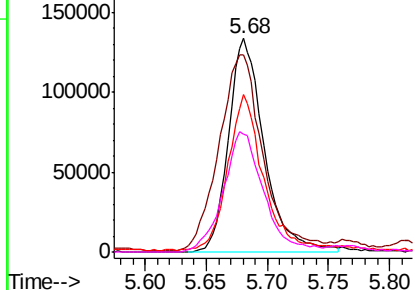
Abundance

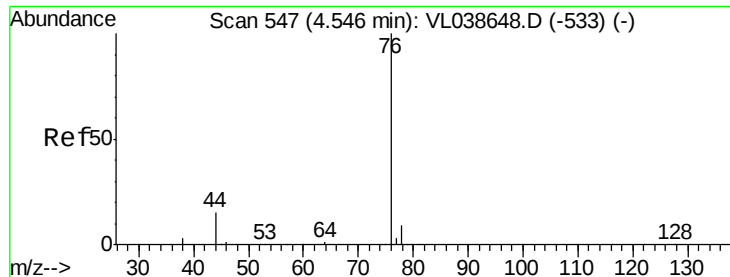
Ion 57.10 (56.80 to 57.80): VL0

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: 3.664 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 18:03

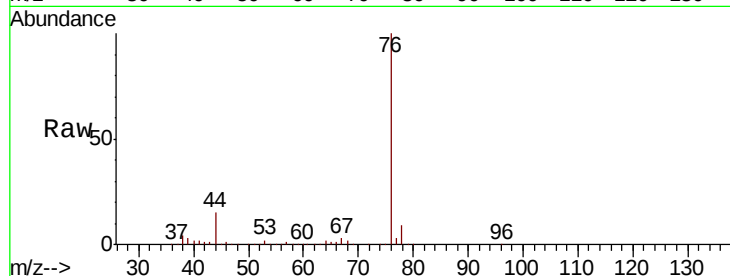
Tot Ion: 76 Resp: 333716

Ion Ratio Lower Upper

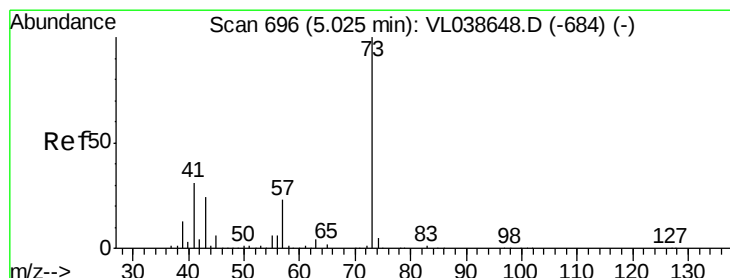
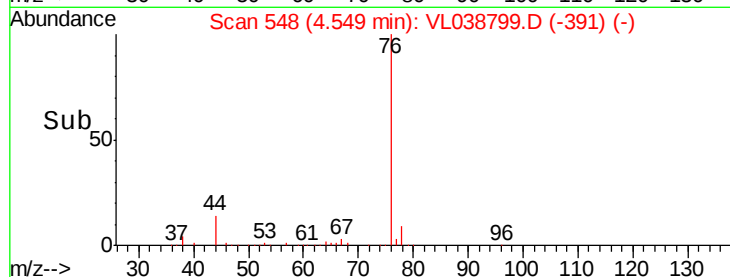
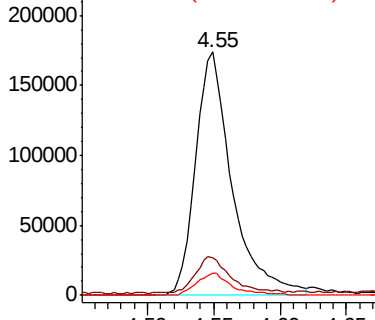
76 100

44 16.0 12.4 18.6

78 9.3 7.8 11.8



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: 0.054 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL038799.D

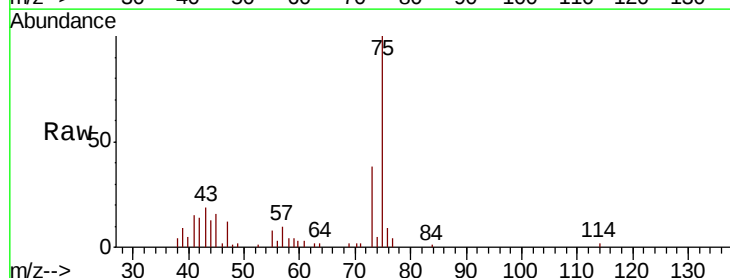
Acq: 30 Mar 2022 18:03

Tgt Ion: 73 Resp: 3727

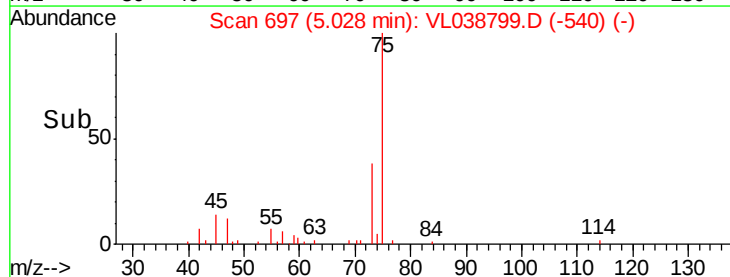
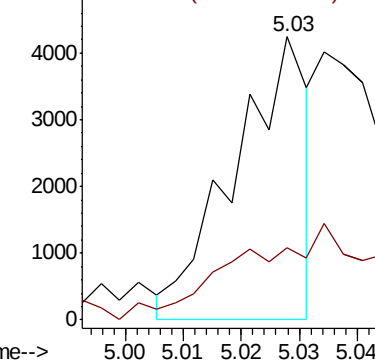
Ion Ratio Lower Upper

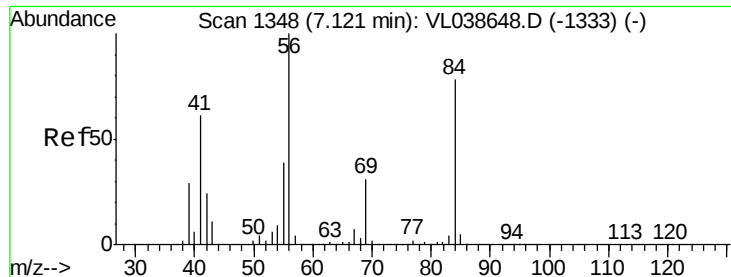
73 100

57 0.0 19.2 28.8#



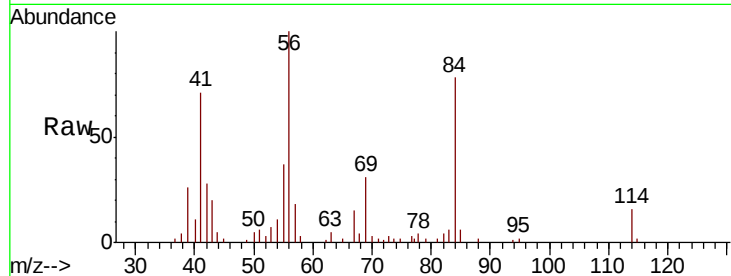
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



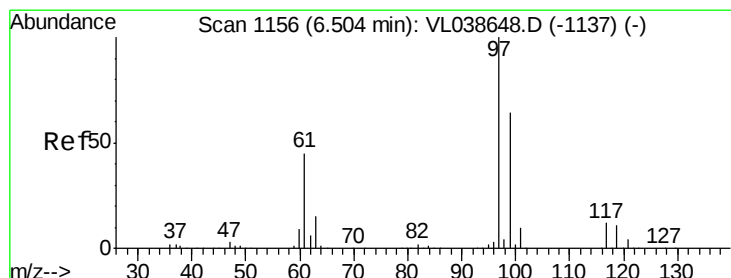
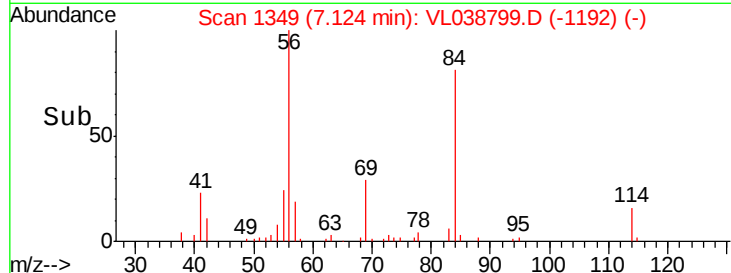
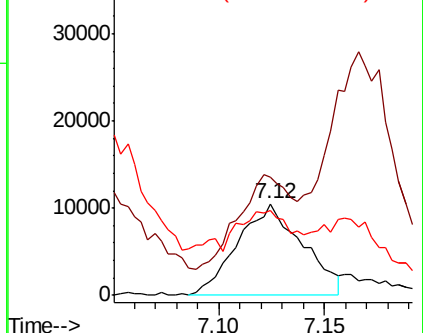


#30
Cvclohexane
Concen: 0.278 ppbv
RT: 7.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 18:03

Tot Ion: 84 Resp: 22447
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4#
41 86.6 61.8 92.6

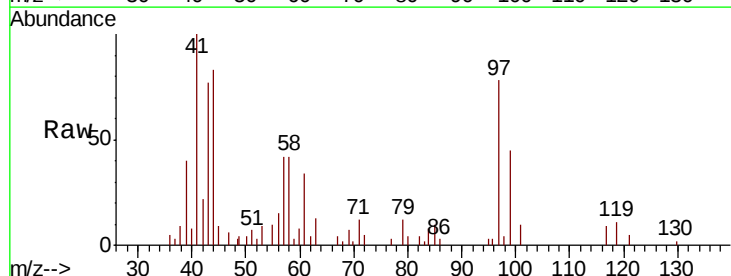


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

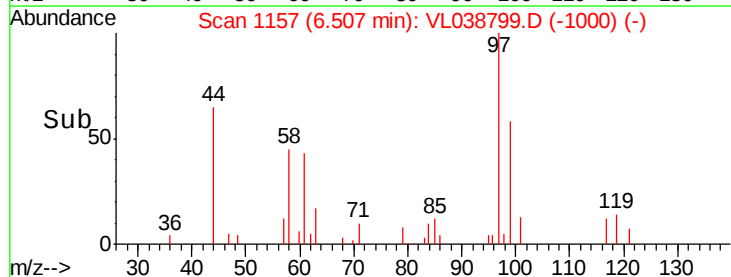
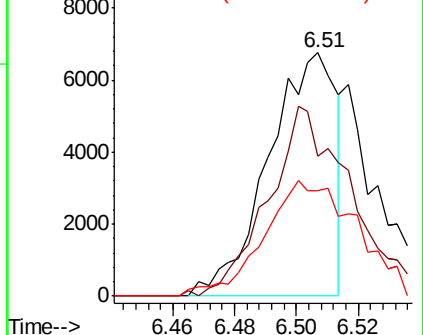


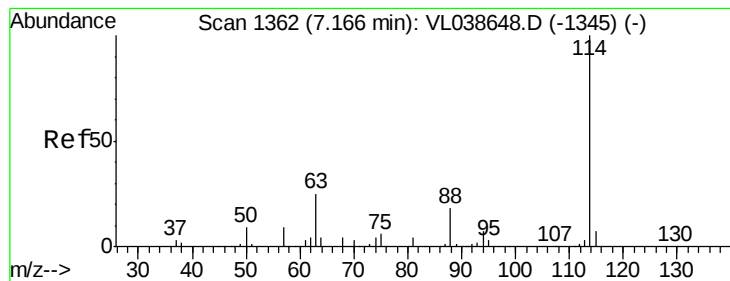
#32
1,1,1-Trichloroethane
Concen: 0.072 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL038799.D
Acq: 30 Mar 2022 18:03

Tgt Ion: 97 Resp: 10276
Ion Ratio Lower Upper
97 100
99 99.6 51.8 77.8#
61 70.0 36.7 55.1#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 18:03

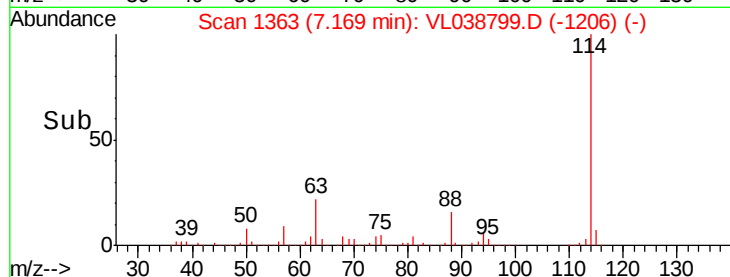
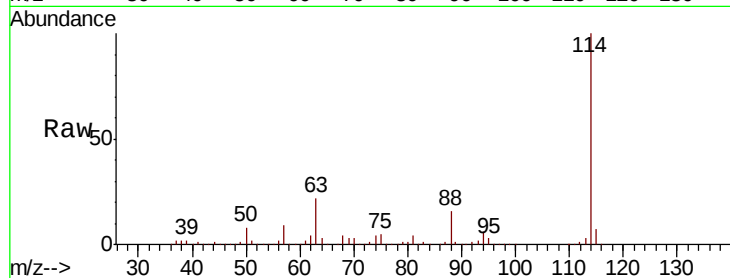
Tot Ion:114 Resp: 2678032

Ion Ratio Lower Upper

114 100

63 22.0 19.4 29.0

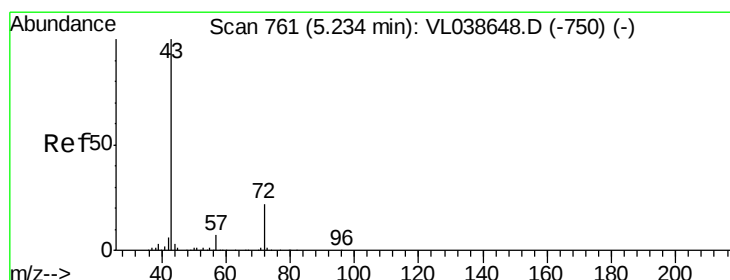
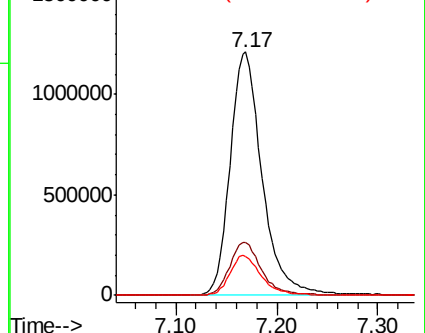
88 16.4 13.9 20.9



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: 4.218 ppbv

RT: 5.24 min Scan# 762

Delta R.T. 0.00 min

Lab File: VL038799.D

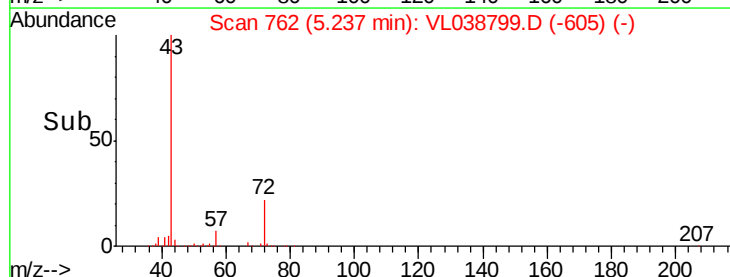
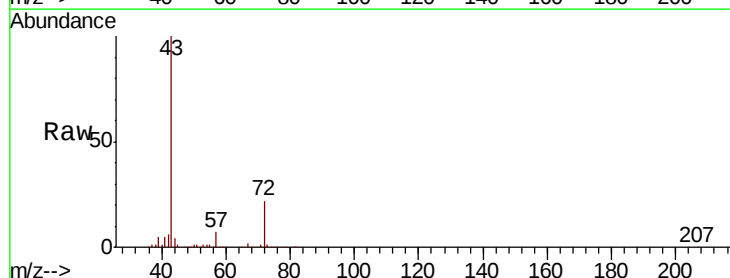
Acq: 30 Mar 2022 18:03

Tgt Ion: 43 Resp: 447138

Ion Ratio Lower Upper

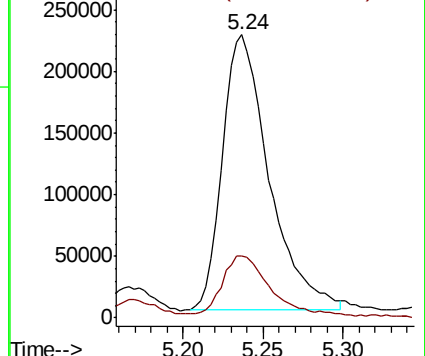
43 100

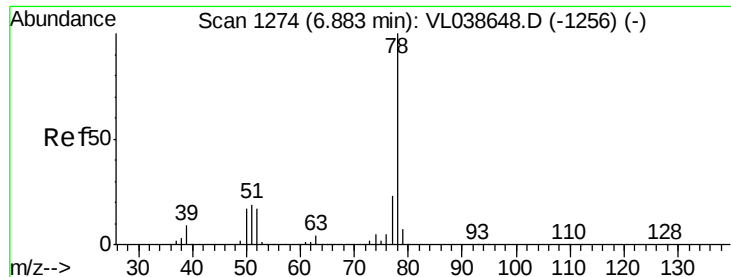
72 25.1 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

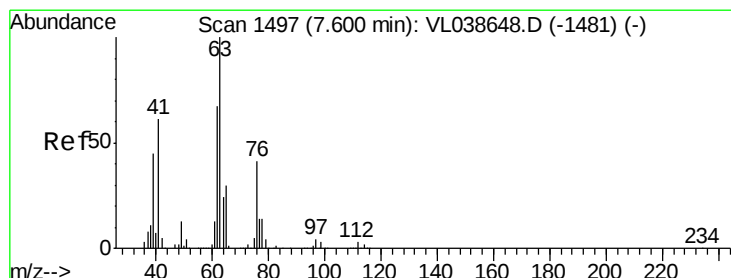
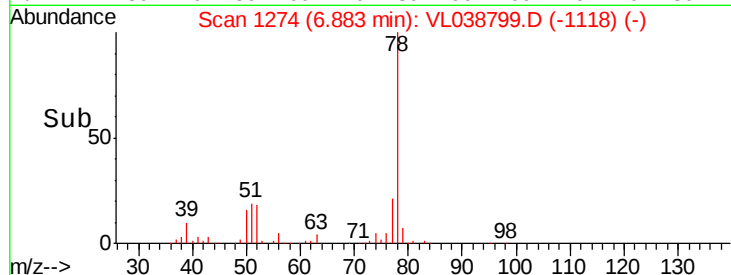
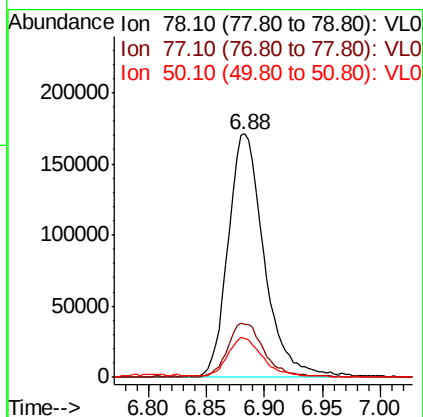
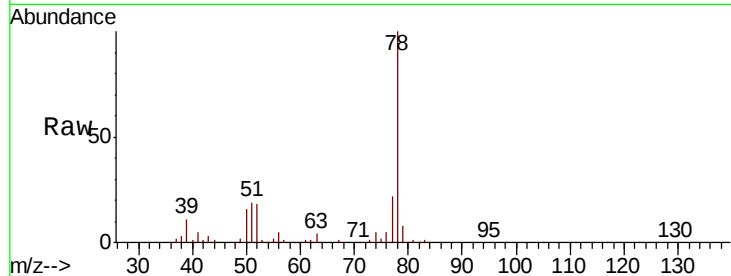
Ion 72.10 (71.80 to 72.80): VL0





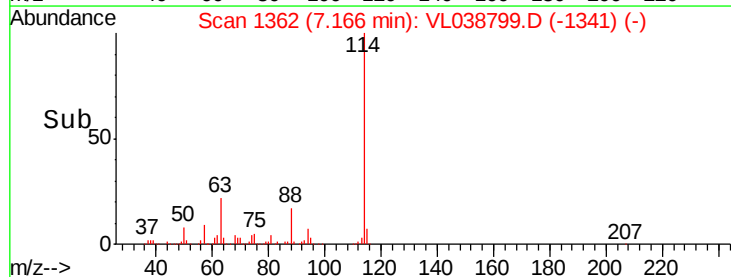
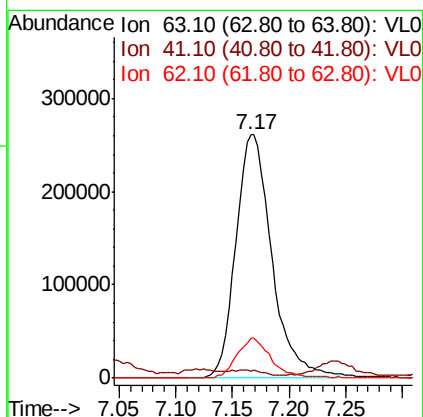
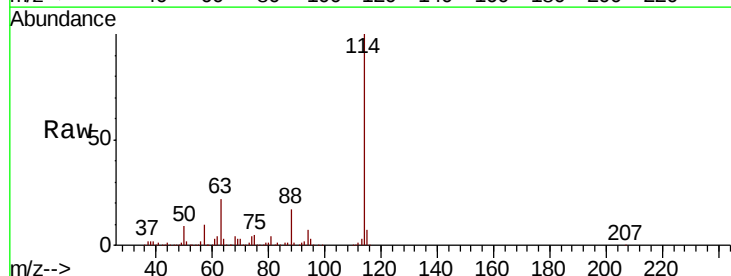
#36
Benzene
Concen: 1.781 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 18:03

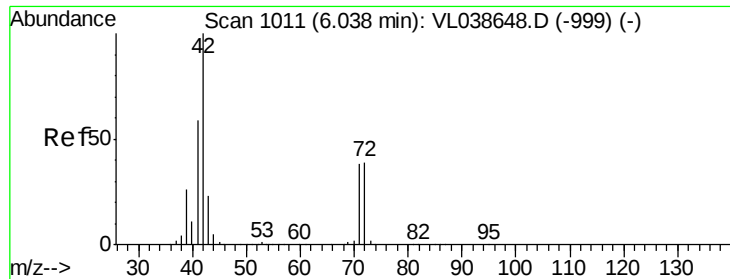
Tot Ion	Ratio	Lower	Upper
78	100		
77	21.2	18.1	27.1
50	15.5	13.6	20.4



#39
1,2-Dichloropropane
Concen: 7.165 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.43 min
Lab File: VL038799.D
Acq: 30 Mar 2022 18:03

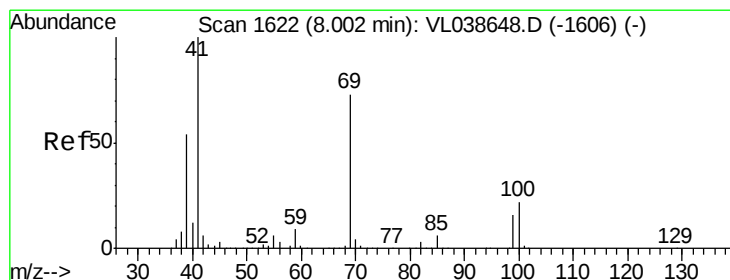
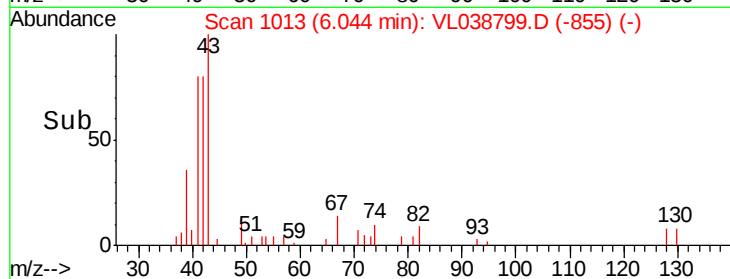
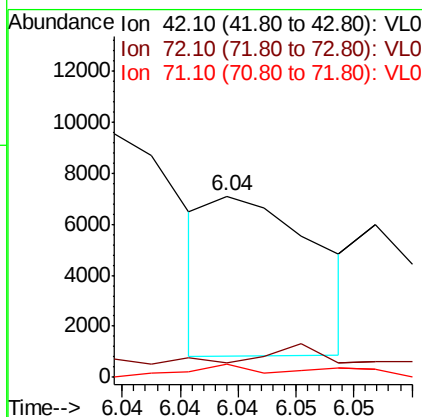
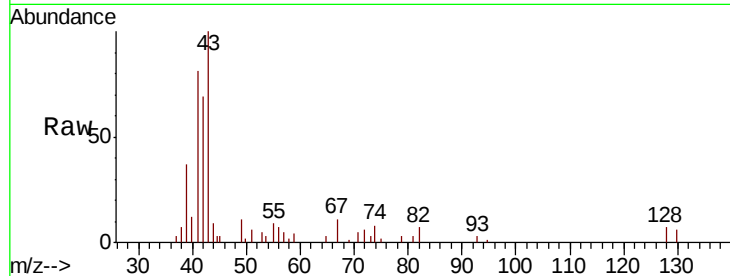
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.0	73.6#
62	16.5	53.9	80.9#





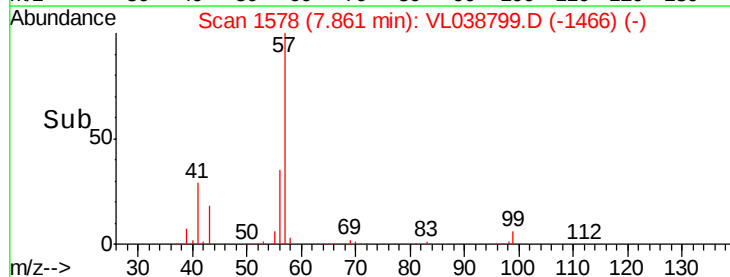
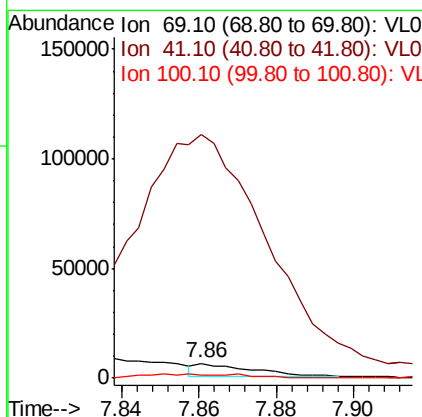
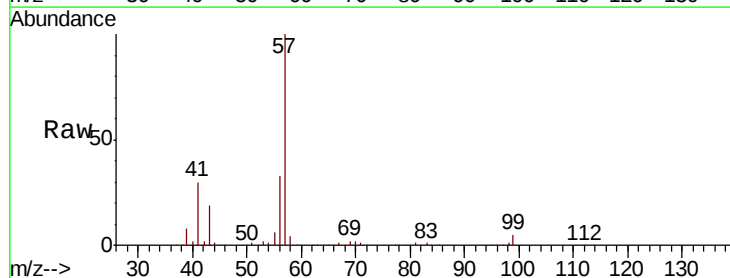
#41
Tetrahydrofuran
Concen: 0.051 ppbv
RT: 6.04
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 18:03

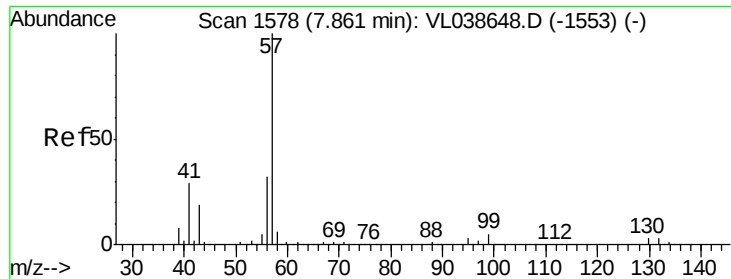
Tot Ion: 42 Resp: 4013
Ion Ratio Lower Upper
42 100
72 0.0 32.5 48.7#
71 0.0 31.4 47.2#



#43
Methyl Methacrylate
Concen: 0.076 ppbv
RT: 7.86 min Scan# 1578
Delta R.T.: -0.14 min
Lab File: VL038799.D
Acq: 30 Mar 2022 18:03

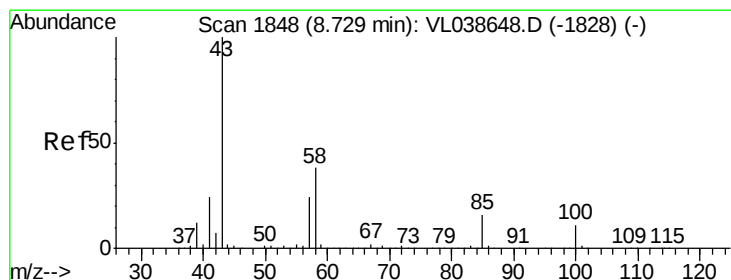
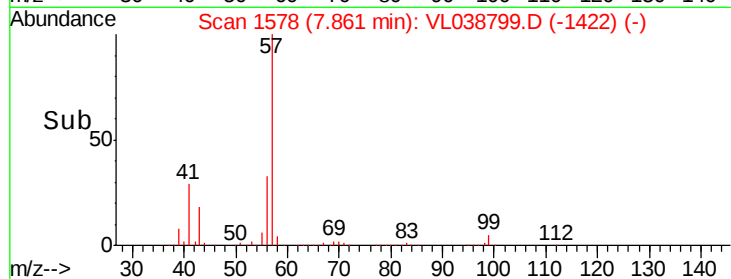
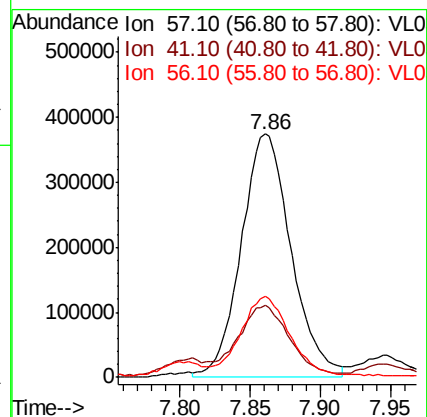
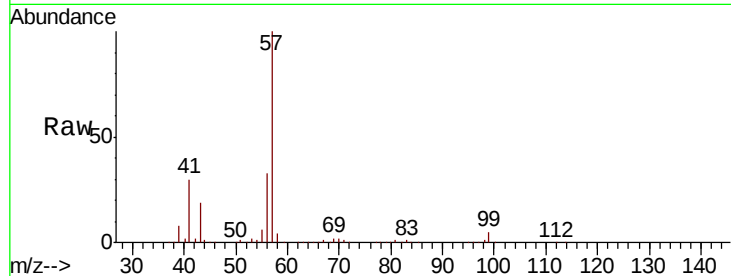
Tgt Ion: 69 Resp: 5862
Ion Ratio Lower Upper
69 100
41 5640.5 110.3 165.5#
100 66.0 24.8 37.2#





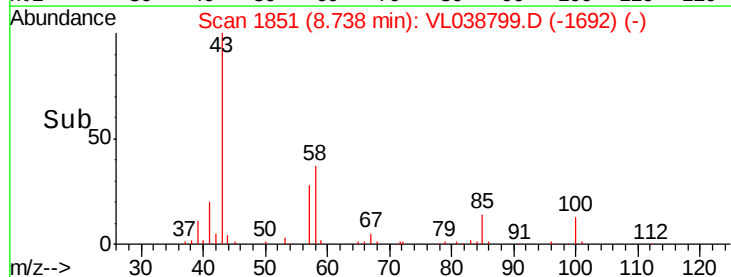
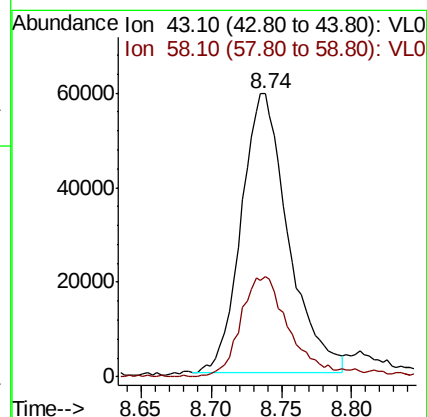
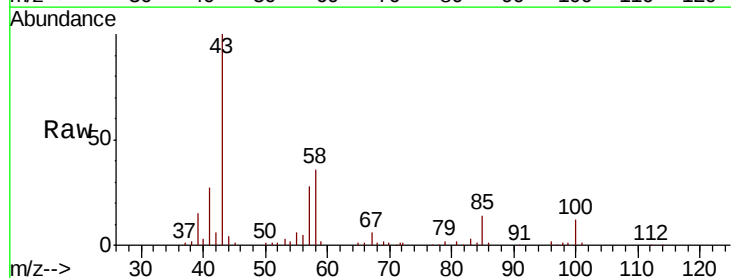
#44
 2,2,4-Trimethylpentane
 Concen: 2.656 ppbv
 RT: 7.86
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 18:03

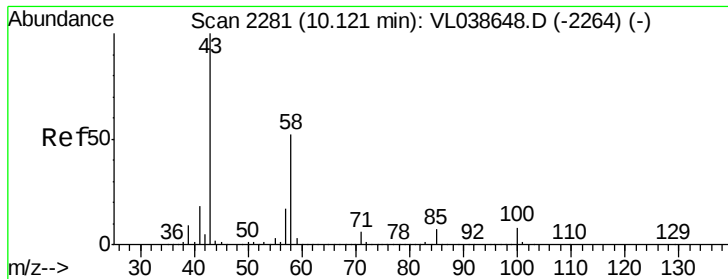
Tot Ion: 57 Resp: 921765
 Ion Ratio Lower Upper
 57 100
 41 37.5 23.0 34.4#
 56 34.6 25.3 37.9



#50
 4-Methyl-2-Pentanone
 Concen: 0.701 ppbv
 RT: 8.74 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: VL038799.D
 Acq: 30 Mar 2022 18:03

Tgt Ion: 43 Resp: 138165
 Ion Ratio Lower Upper
 43 100
 58 39.7 29.9 44.9





#51

2-Hexanone

Concen: 1.450 ppbv

RT: 10.12

Delta R.T. MSVOA_L

Lab File:

Acq: 30 Mar 2022 18:03

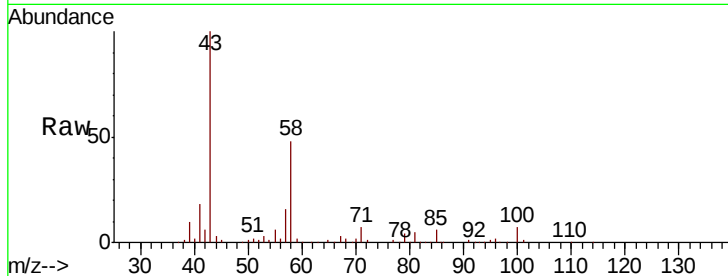
Tot Ion: 43 Resp: 205235

Ion Ratio Lower Upper

43 100

58 54.6 41.2 61.8

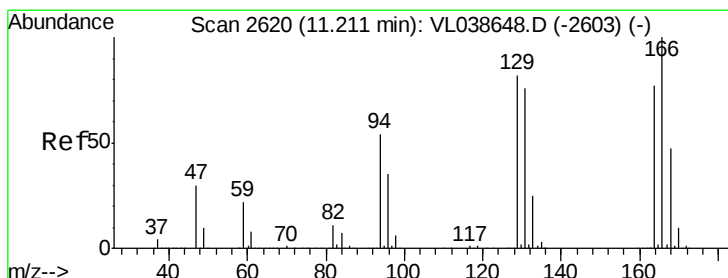
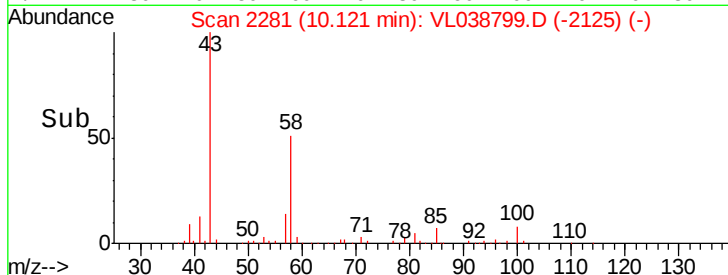
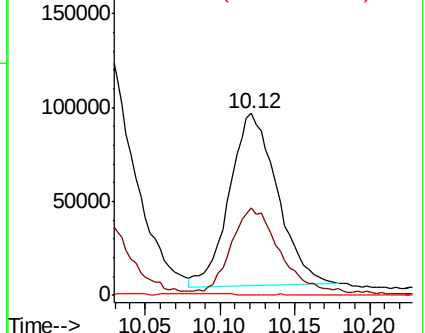
98 0.3 0.2 0.4



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: 0.797 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. 0.00 min

Lab File: VL038799.D

Acq: 30 Mar 2022 18:03

Tgt Ion: 164 Resp: 60253

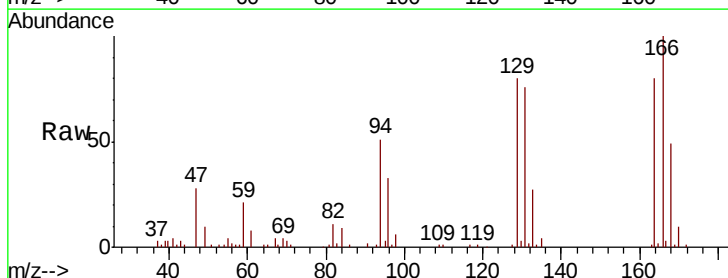
Ion Ratio Lower Upper

164 100

166 124.3 103.3 154.9

129 97.6 85.2 127.8

131 94.7 78.3 117.5

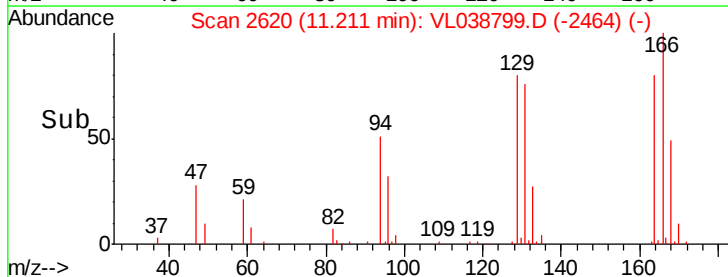
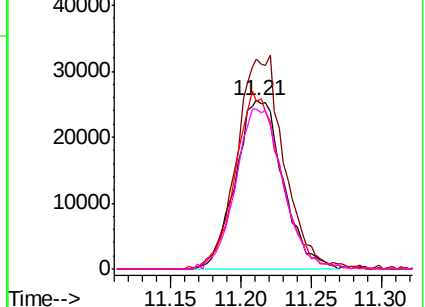


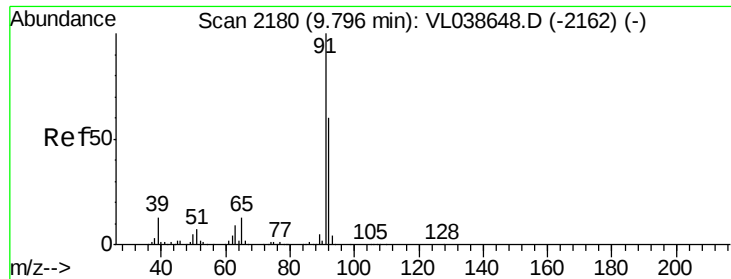
Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.948 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

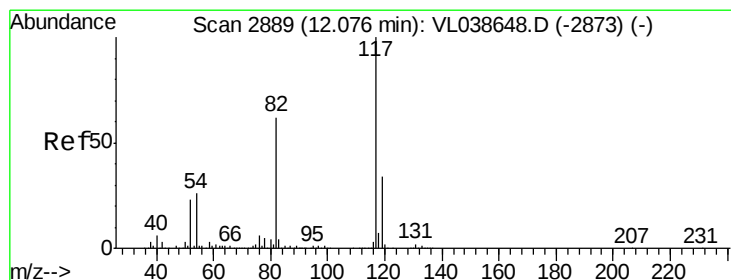
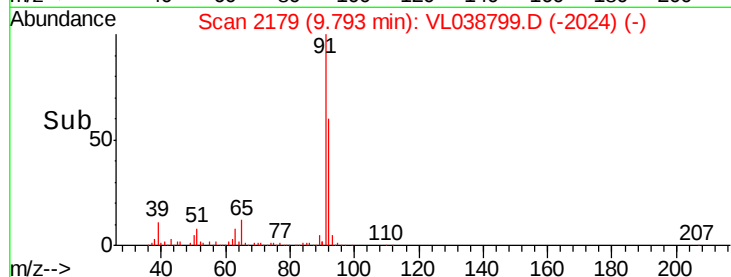
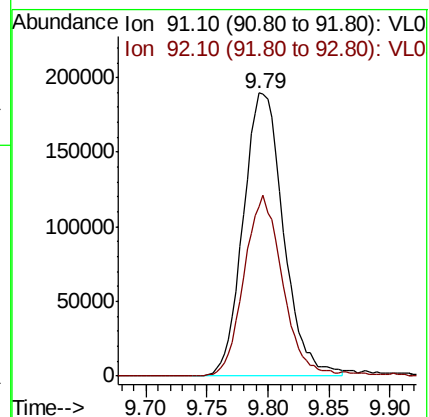
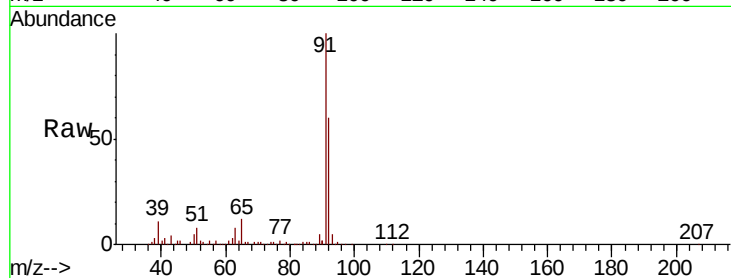
Acq: 30 Mar 2022 18:03

Tot Ion: 91 Resp: 432701

Ion Ratio Lower Upper

91 100

92 62.2 48.7 73.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VL038799.D

Acq: 30 Mar 2022 18:03

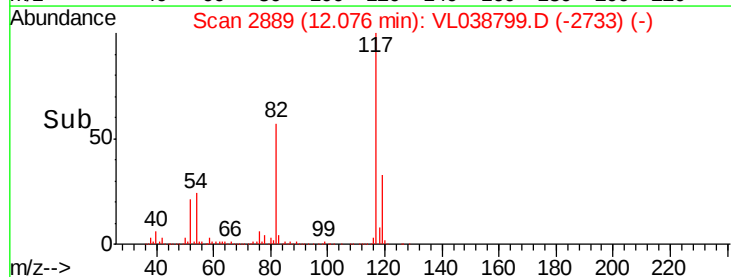
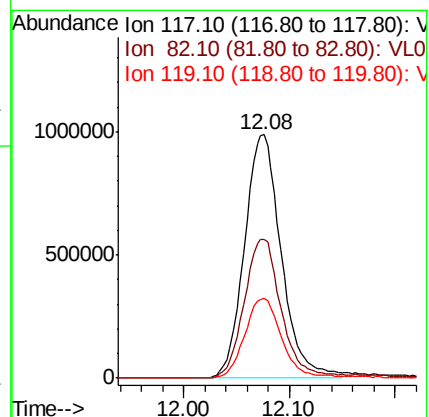
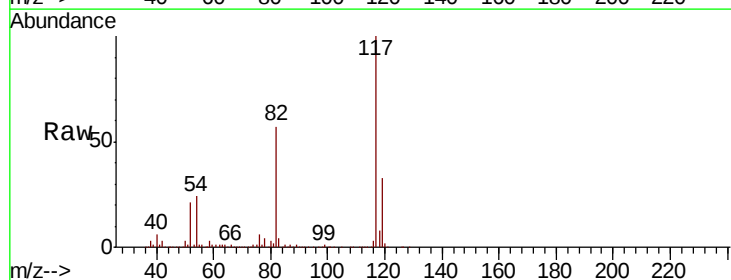
Tgt Ion: 117 Resp: 2397635

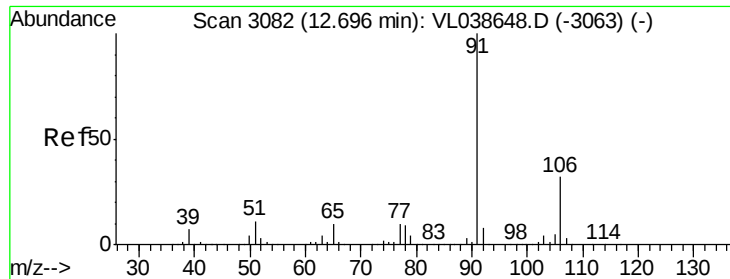
Ion Ratio Lower Upper

117 100

82 59.7 51.6 77.4

119 33.7 26.9 40.3





#58

Ethyl Benzene

Concen: 0.392 ppbv

RT: 12.70

Delta R.T. MSVOA_L

Lab File:

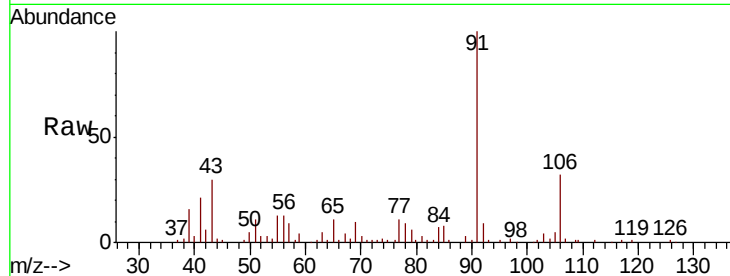
Acq: 30 Mar 2022 18:03

Tot Ion: 91 Resp: 109866

Ion Ratio Lower Upper

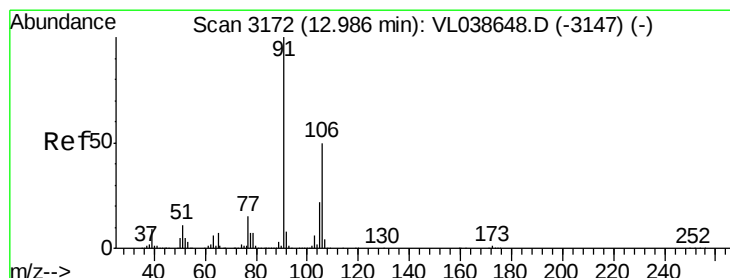
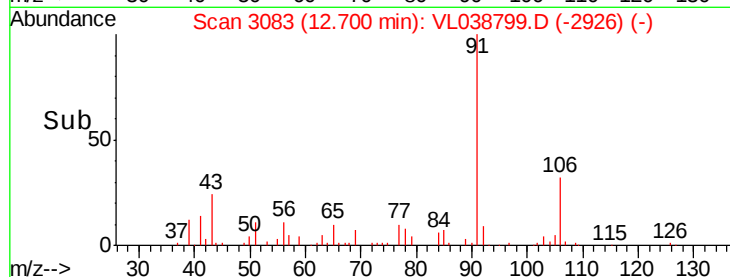
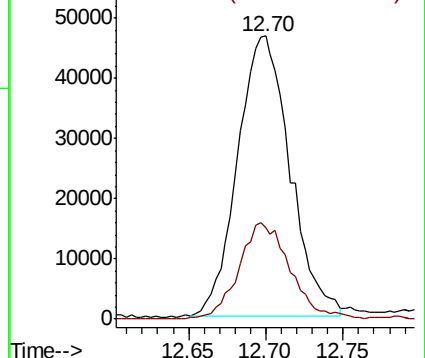
91 100

106 32.0 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.911 ppbv

RT: 12.96 min Scan# 3163

Delta R.T. -0.03 min

Lab File: VL038799.D

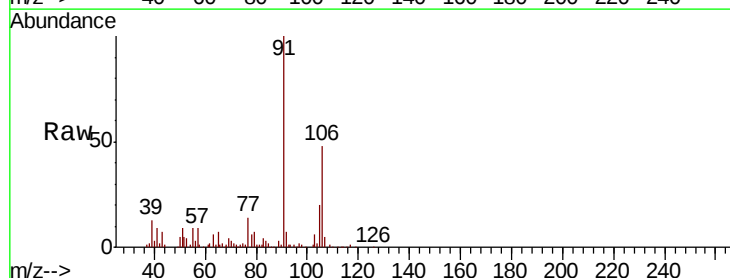
Acq: 30 Mar 2022 18:03

Tgt Ion: 91 Resp: 223279

Ion Ratio Lower Upper

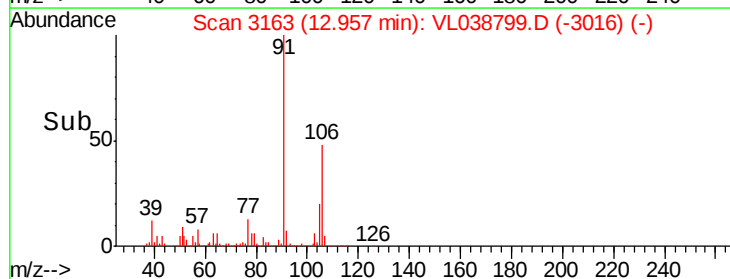
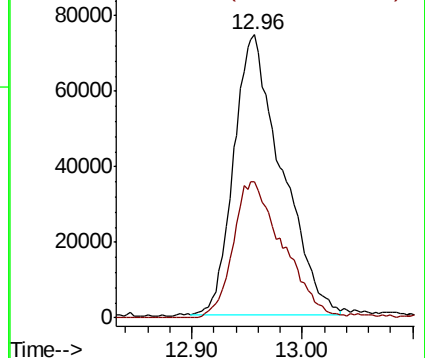
91 100

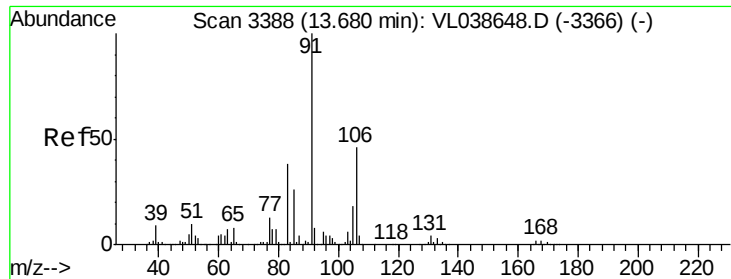
106 51.6 37.2 55.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

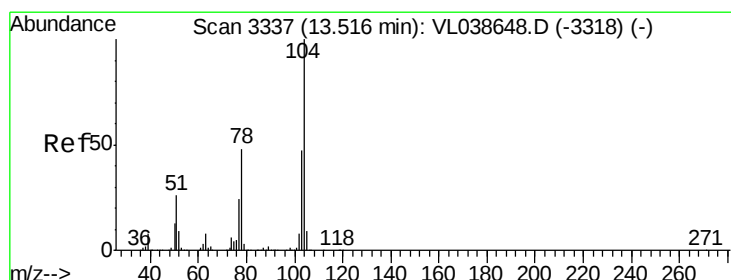
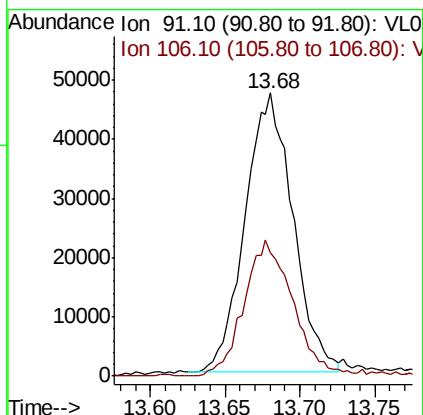
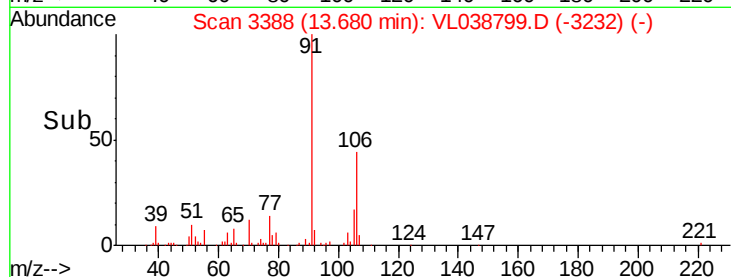
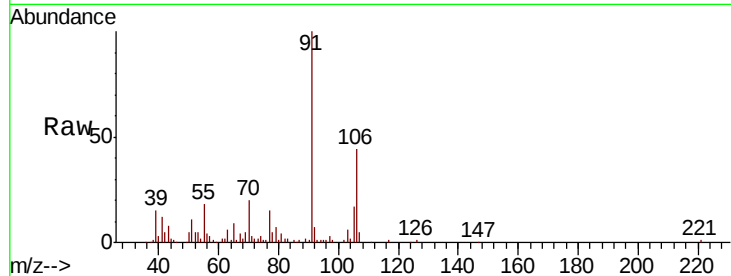
Ion 106.10 (105.80 to 106.80): V





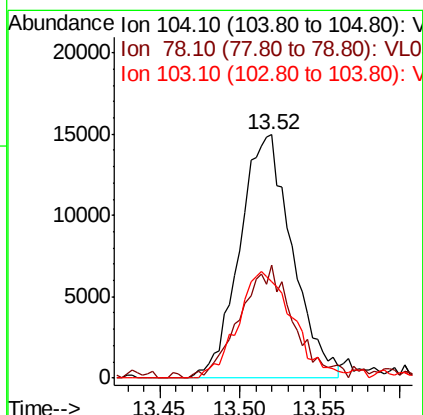
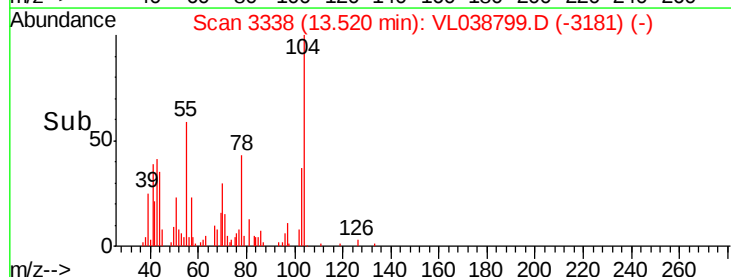
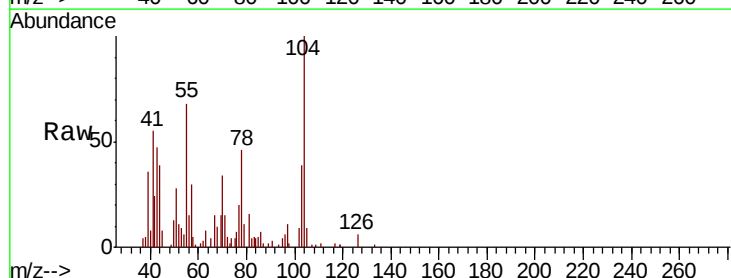
#60
o-Xylene
Concen: 0.449 ppbv
RT: 13.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 30 Mar 2022 18:03

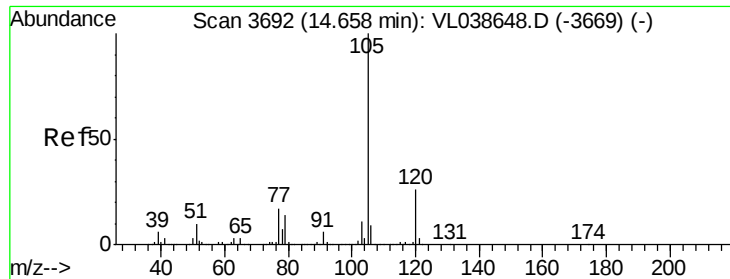
Tot Ion: 91 Resp: 104603
Ion Ratio Lower Upper
91 100
106 51.2 23.5 70.5



#61
Styrene
Concen: 0.267 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VL038799.D
Acq: 30 Mar 2022 18:03

Tgt Ion:104 Resp: 33721
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.4
103 46.8 37.8 56.8





#62

Isopropylbenzene

Concen: 0.196 ppbv

RT: 14.65 min

Delta R.T. MSVOA_L

Lab File:

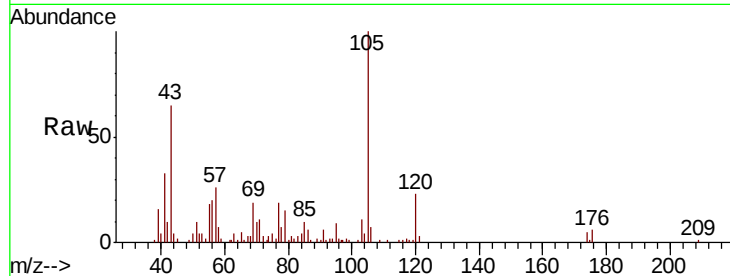
Acq: 30 Mar 2022 18:03

Tot Ion: 105 Resp: 68461

Ion Ratio Lower Upper

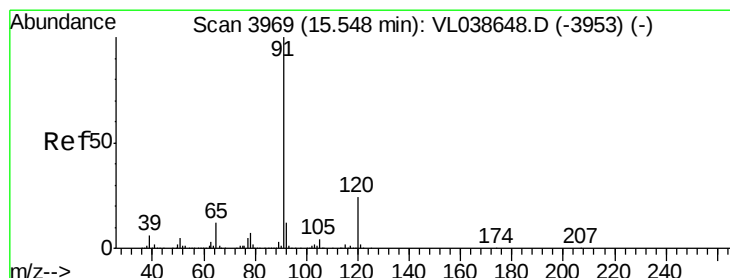
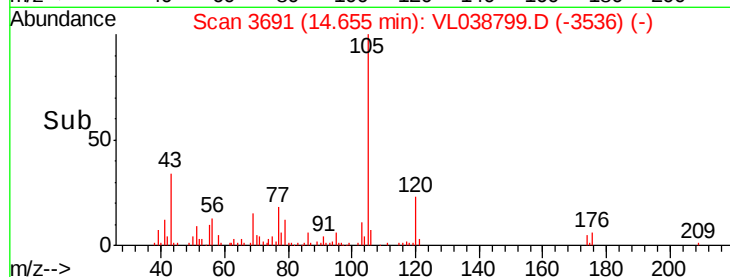
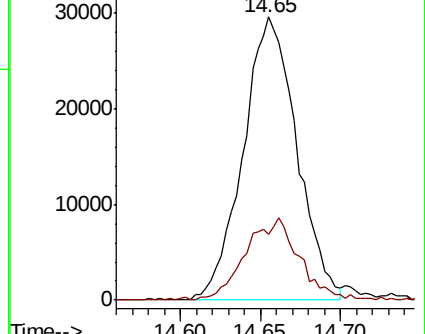
105 100

120 29.2 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.030 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VL038799.D

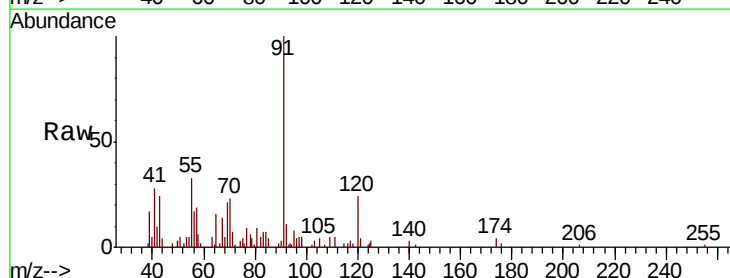
Acq: 30 Mar 2022 18:03

Tgt Ion: 120 Resp: 2783

Ion Ratio Lower Upper

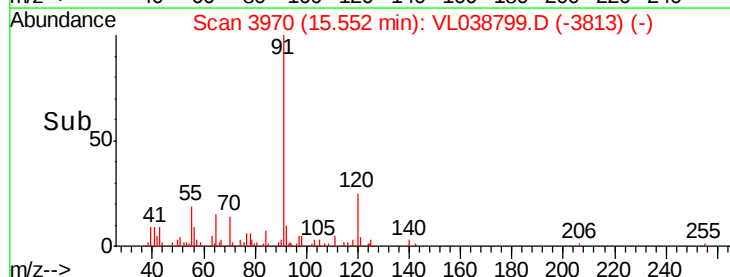
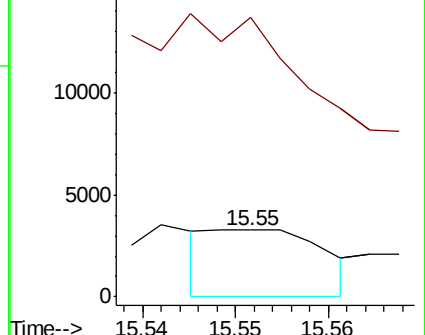
120 100

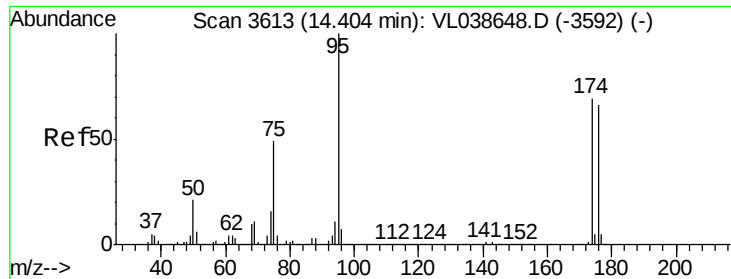
91 0.0 368.0 552.0#



Abundance Ion 120.20 (119.90 to 120.90): V

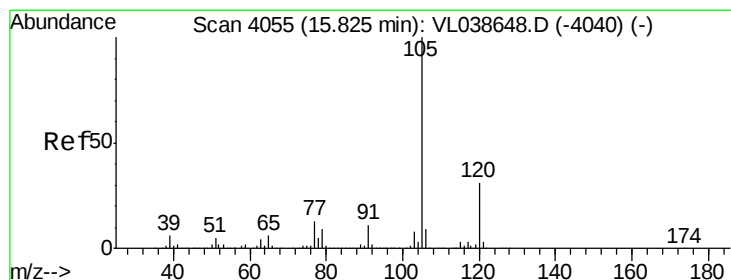
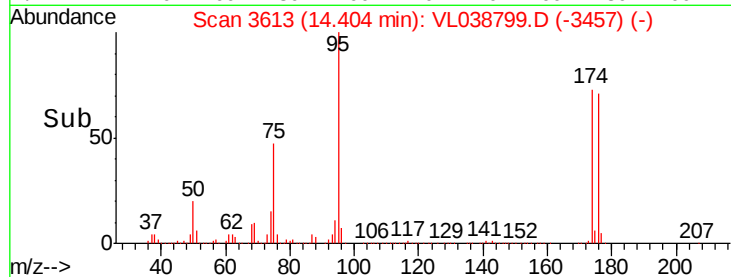
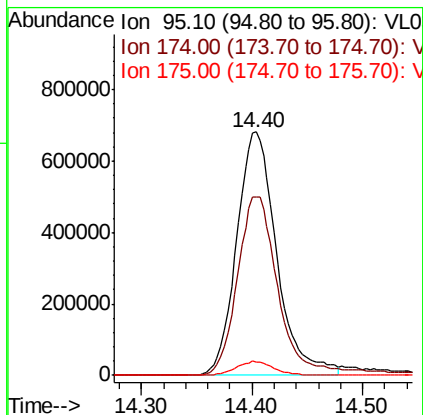
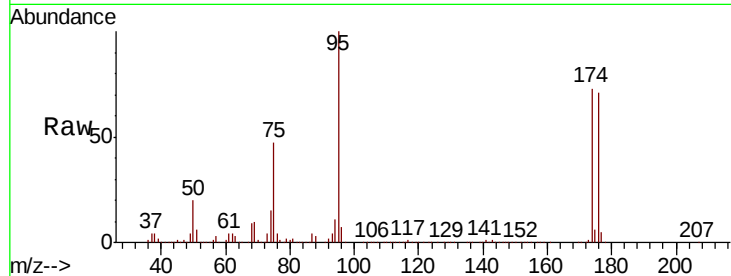
Ion 91.10 (90.80 to 91.80): VL0





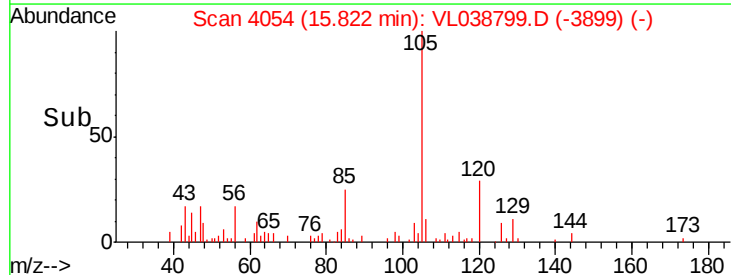
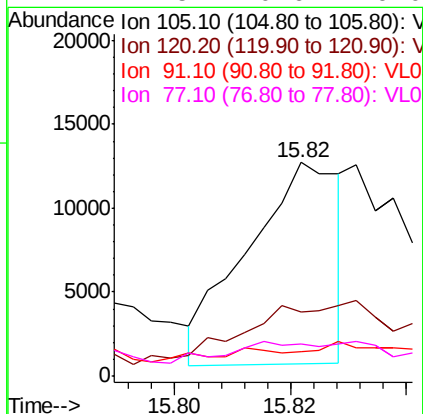
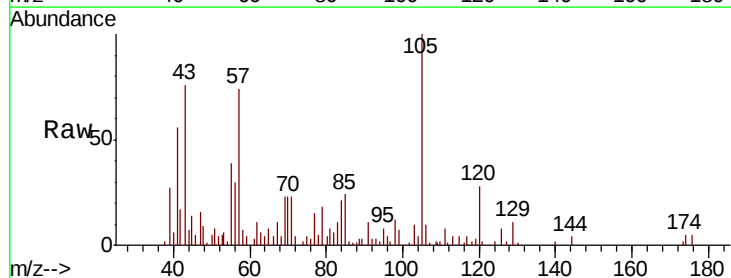
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.286 ppbv
 RT: 14.40 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 18:03

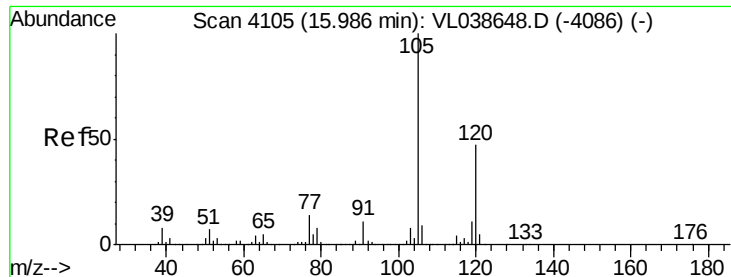
Tot Ion: 95 Resp: 1706995
 Ion Ratio Lower Upper
 95 100
 174 78.0 56.1 84.1
 175 5.8 4.2 6.2



#72
 4-Ethyltoluene
 Concen: 0.048 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.00 min
 Lab File: VL038799.D
 Acq: 30 Mar 2022 18:03

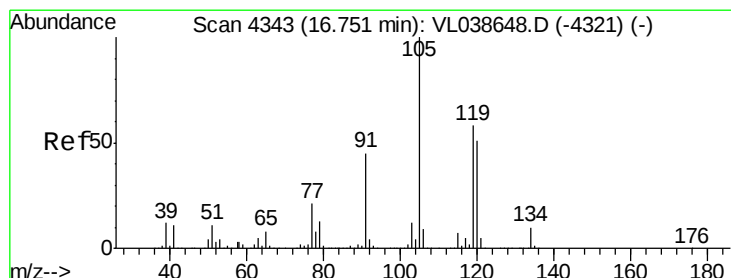
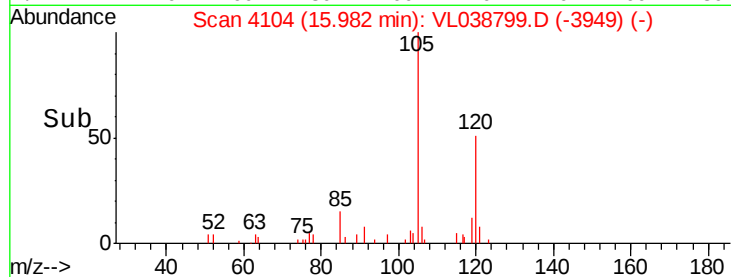
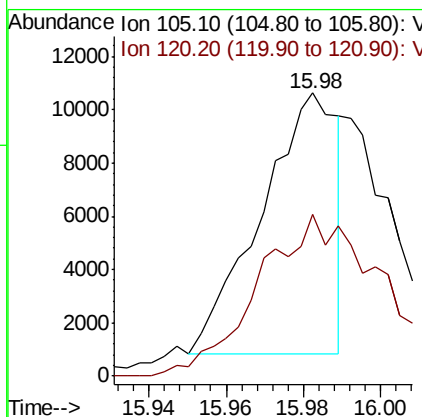
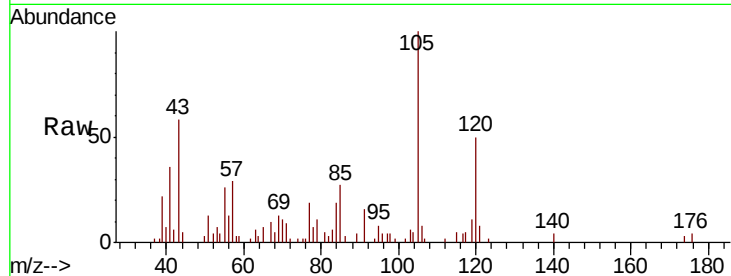
Tgt Ion: 105 Resp: 13303
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.9 37.3#
 91 0.0 9.8 14.6#
 77 44.5 10.6 16.0#





#73
 1,3,5-Trimethylbenzene
 Concen: 0.054 ppbv
 RT: 15.98 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 18:03

Tot Ion:105 Resp: 13459
 Ion Ratio Lower Upper
 105 100
 120 58.7 37.6 56.4#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.276 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T.: 0.00 min
 Lab File: VL038799.D
 Acq: 30 Mar 2022 18:03

Tgt Ion:105 Resp: 75277
 Ion Ratio Lower Upper
 105 100
 120 46.9 40.5 60.7
 91 7.3 35.9 53.9#
 77 15.1 16.6 25.0#

