

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037786.D
 Acq On : 5 Oct 2021 23:12
 Operator : SY/AP
 Sample : M4012-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P19

Quant Time: Oct 06 04:48:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

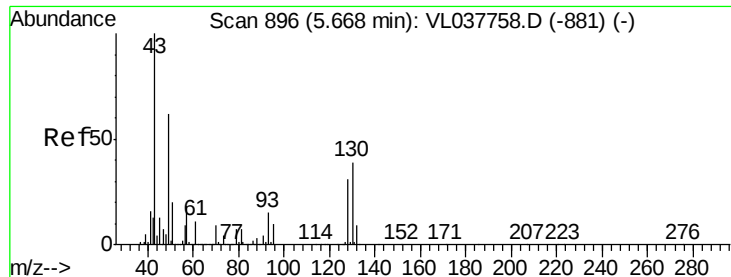
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1213746	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3581202	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3115727	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2251927	10.34	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	22873	0.118	ppbv	95
3) Chlorodifluoromethane	2.98	51	29977	0.129	ppbv	99
4) Chloromethane	3.13	50	4479	0.052	ppbv #	64
9) Propene	3.34	41	14813	0.173	ppbv	86
11) Trichlorofluoromethane	3.93	101	34528	0.200	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.46	101	4962	0.038	ppbv #	15
13) Ethanol	3.60	45	26279	3.745	ppbv	63
15) Acetone	3.83	43	1942709	17.830	ppbv	99
16) 1,3-Butadiene	3.32	39	3953	0.050	ppbv #	11
17) tert-Butyl alcohol	4.28	59	18930	0.169	ppbv #	71
19) Isopropyl Alcohol	3.95	45	4896	0.072	ppbv #	96
20) Methylene Chloride	4.33	84	43365	0.788	ppbv	95
23) Vinyl Acetate	5.04	43	77642	0.476	ppbv #	58
25) Ethyl Acetate	5.66	43	36876	0.121	ppbv #	85
26) Hexane	5.66	57	43348	0.288	ppbv #	34
27) Carbon Disulfide	4.53	76	16068	0.120	ppbv #	58
29) Chloroform	5.73	83	106671	0.496	ppbv	88
30) Cyclohexane	7.10	84	3703	0.029	ppbv #	1
34) 2-Butanone	5.23	43	106513	0.737	ppbv #	62
36) Benzene	6.86	78	22120	0.072	ppbv #	89
38) Trichloroethene	7.81	130	3819	0.032	ppbv #	16
39) 1,2-Dichloropropane	7.15	63	830452	7.218	ppbv #	27
41) Tetrahydrofuran	6.04	42	56601	0.800	ppbv	98
51) 2-Hexanone	10.10	43	3934	0.047	ppbv #	29
52) Tetrachloroethene	11.20	164	7057035	59.300	ppbv	96
53) Toluene	9.78	91	68336	0.202	ppbv	94
59) m/p-Xylene	12.96	91	26112	0.073	ppbv #	30
60) o-Xylene	13.66	91	22422	0.065	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.96	105	14491	0.041	ppbv	88
74) 1,2,4-Trimethylbenzene	16.73	105	67911	0.182	ppbv #	75
79) Naphthalene	22.13	128	6396	0.028	ppbv #	90

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

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C0P19

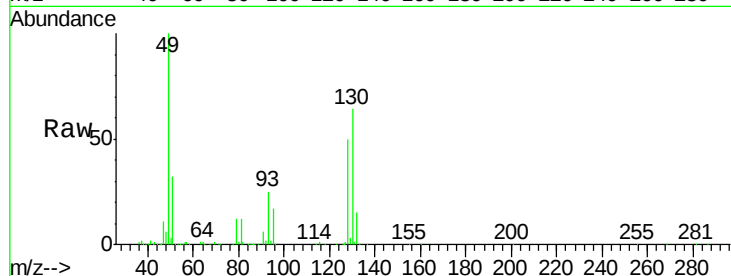
Tgt Ion: 49 Resp: 1213746

Ion Ratio Lower Upper

49 100

128 53.5 27.1 81.3

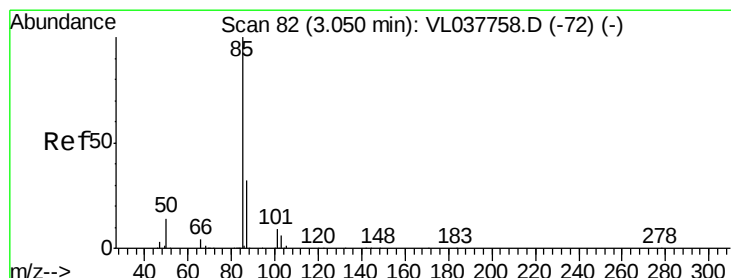
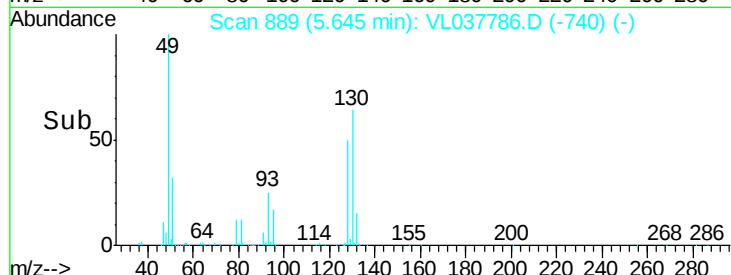
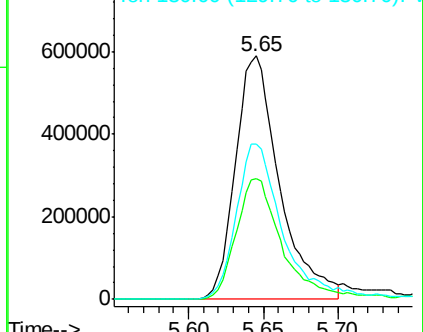
130 69.8 33.2 99.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.118 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL037786.D

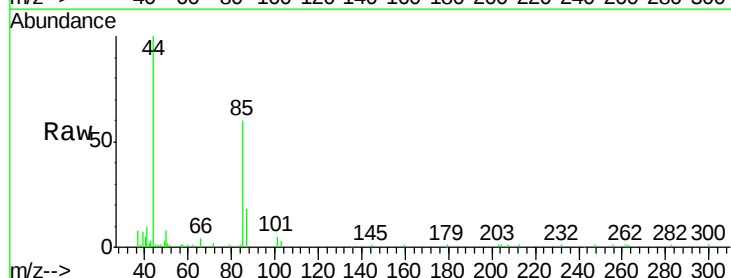
Acq: 5 Oct 2021 23:12

Tgt Ion: 85 Resp: 22873

Ion Ratio Lower Upper

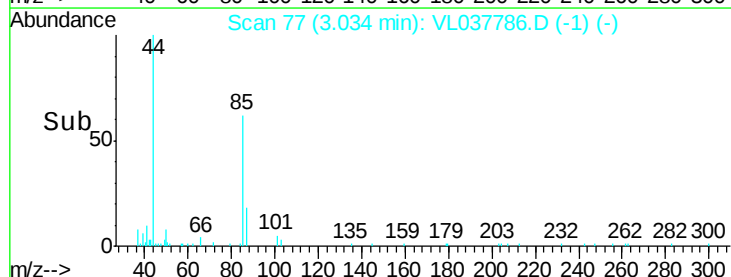
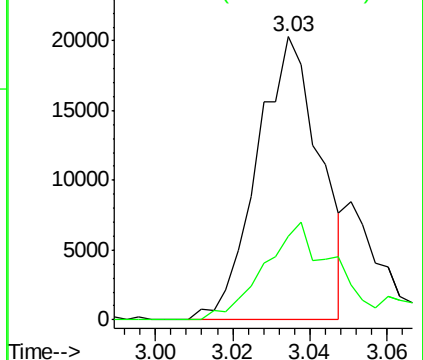
85 100

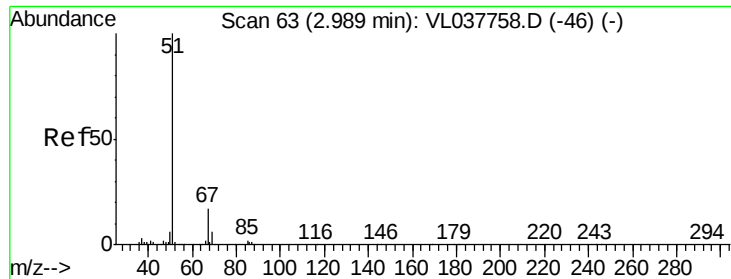
87 29.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.129 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

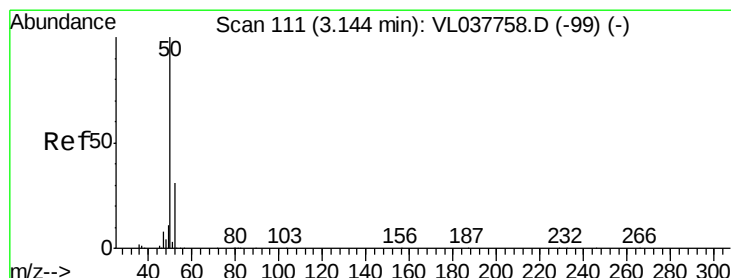
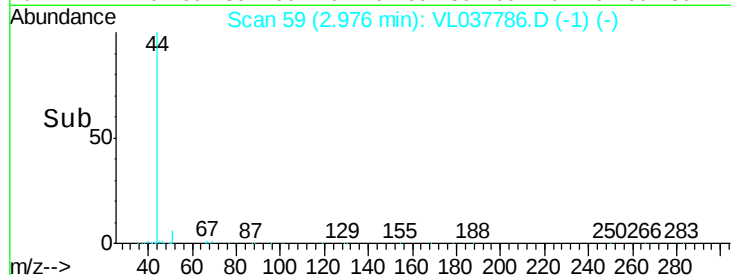
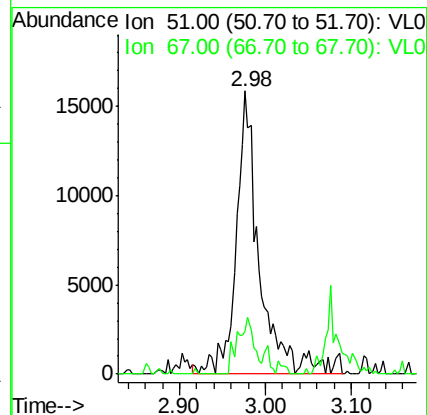
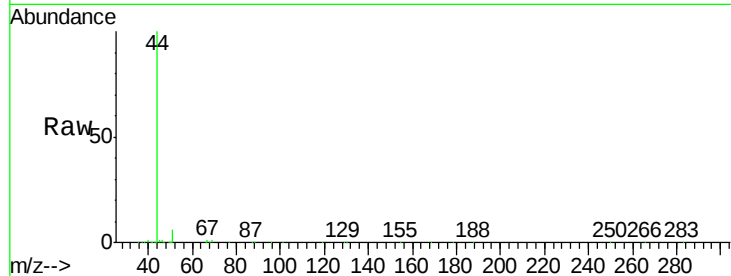
C0P19

Tgt Ion: 51 Resp: 29977

Ion Ratio Lower Upper

51 100

67 17.5 13.5 20.3



#4

Chloromethane

Concen: 0.052 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037786.D

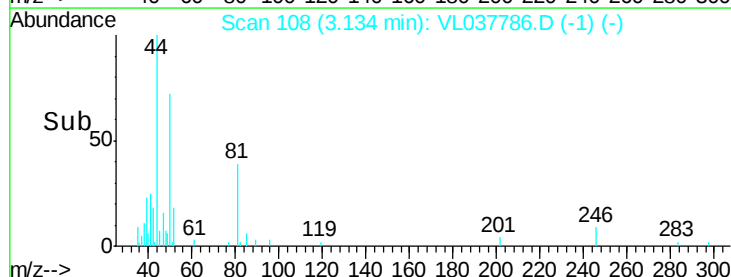
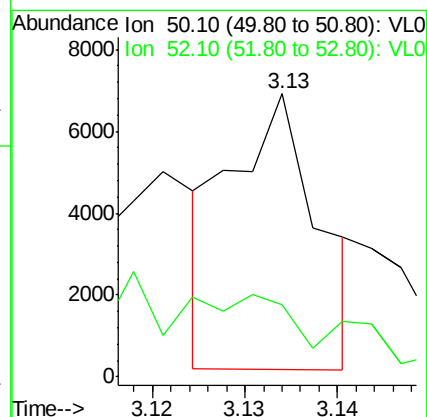
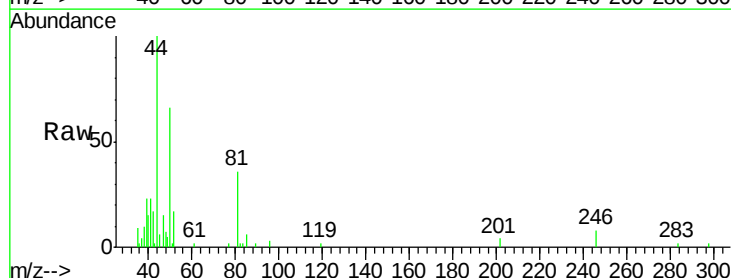
Acq: 5 Oct 2021 23:12

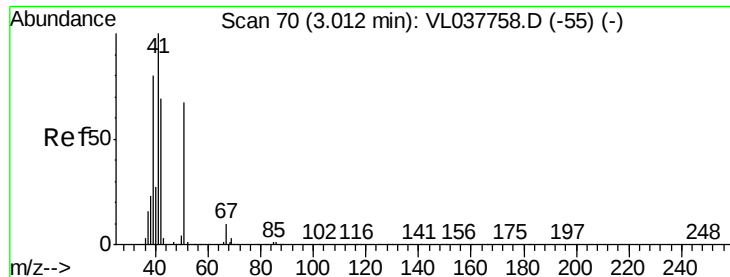
Tgt Ion: 50 Resp: 4479

Ion Ratio Lower Upper

50 100

52 11.0 24.4 36.6#





#9

Propene

Concen: 0.173 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.32 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

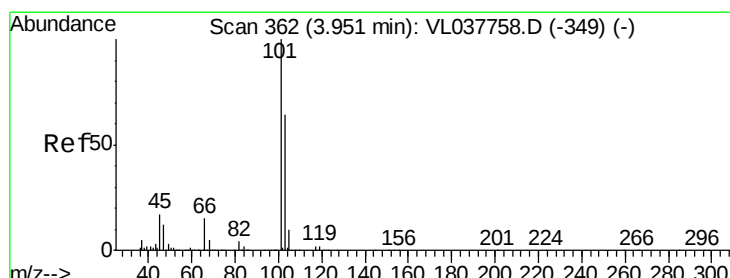
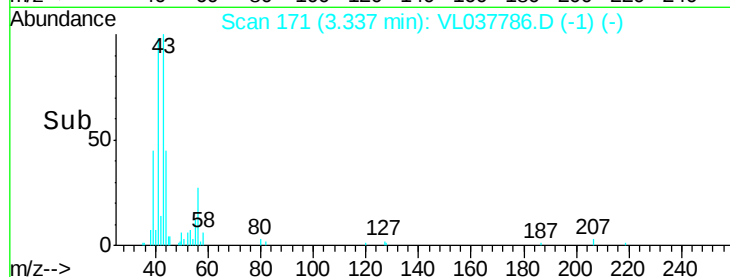
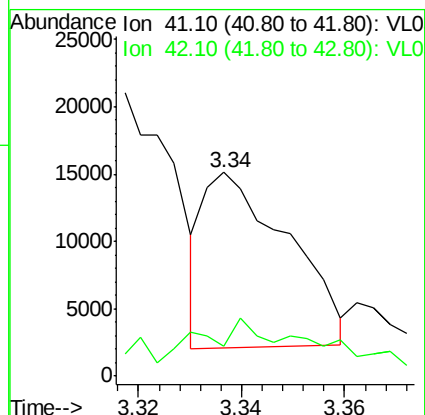
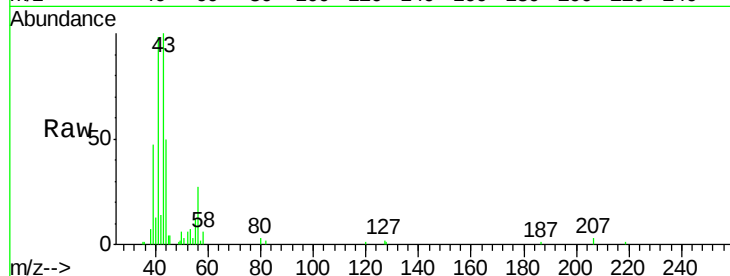
C0P19

Tgt Ion: 41 Resp: 14813

Ion Ratio Lower Upper

41 100

42 56.5 54.2 81.2



#11

Trichlorofluoromethane

Concen: 0.200 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.02 min

Lab File: VL037786.D

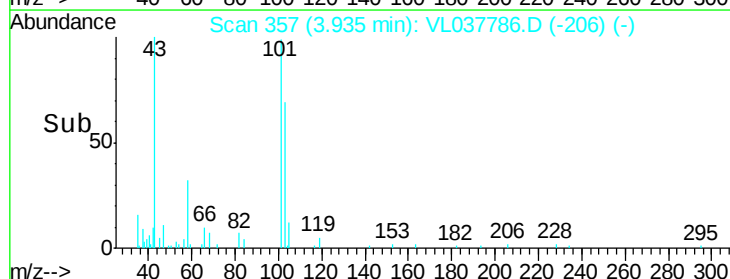
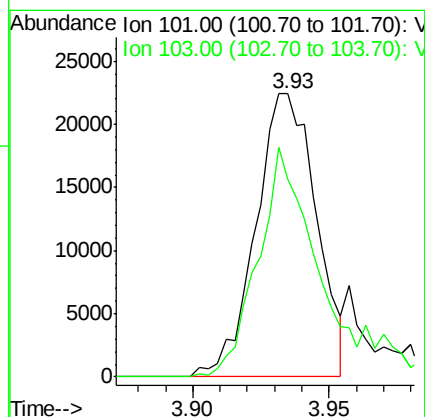
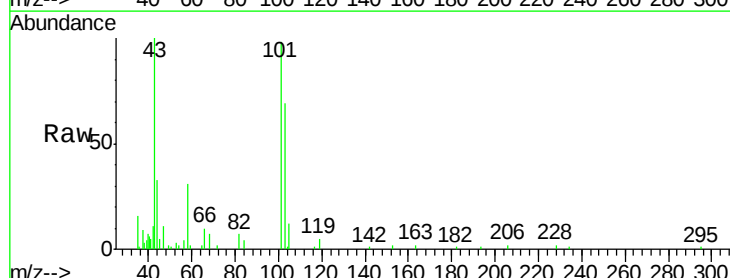
Acq: 5 Oct 2021 23:12

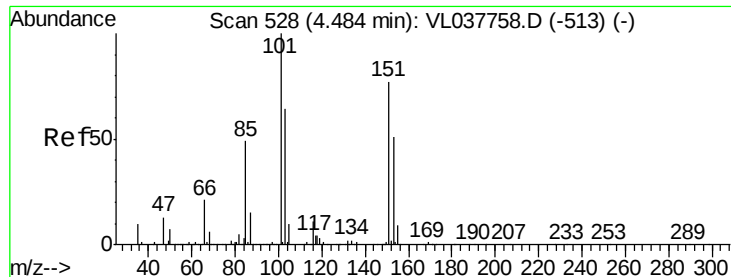
Tgt Ion: 101 Resp: 34528

Ion Ratio Lower Upper

101 100

103 69.8 51.5 77.3





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.038 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.02 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

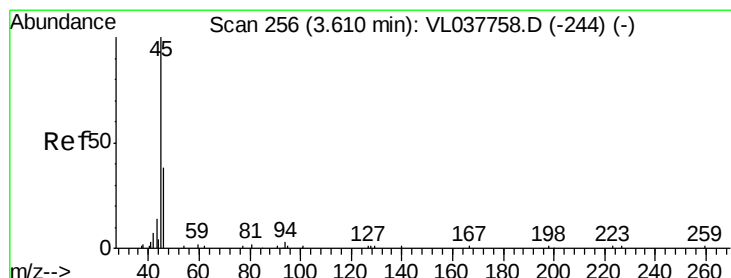
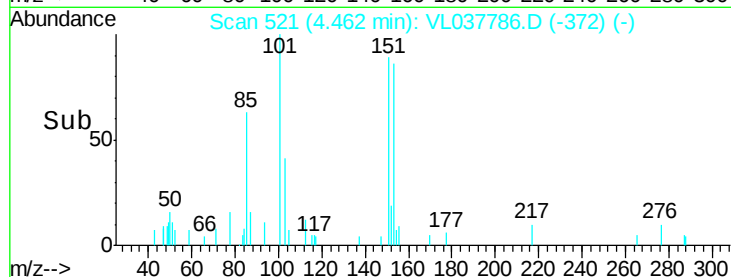
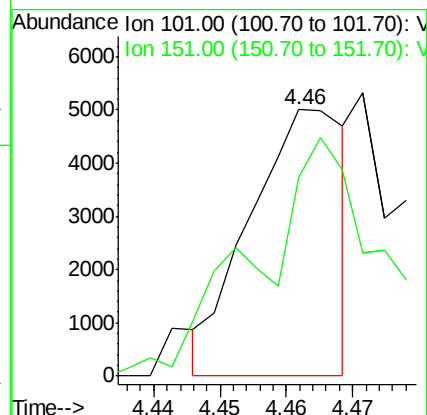
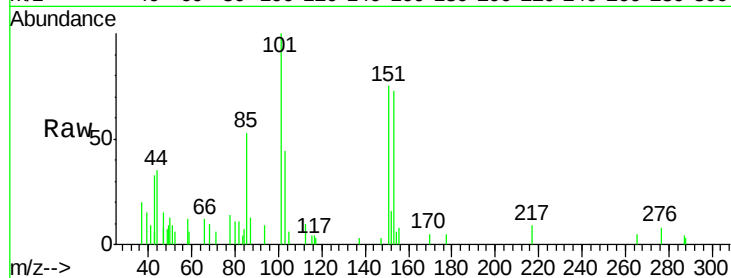
C0P19

Tgt Ion:101 Resp: 4962

Ion Ratio Lower Upper

101 100

151 152.8 62.9 94.3#



#13

Ethanol

Concen: 3.745 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL037786.D

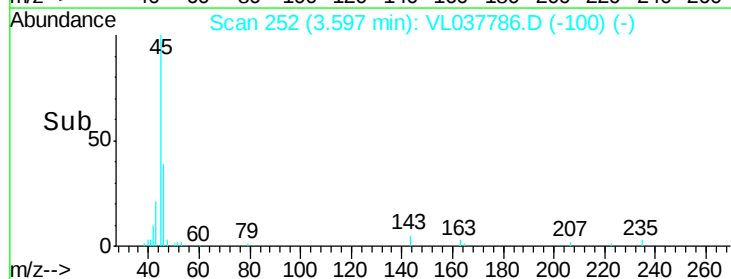
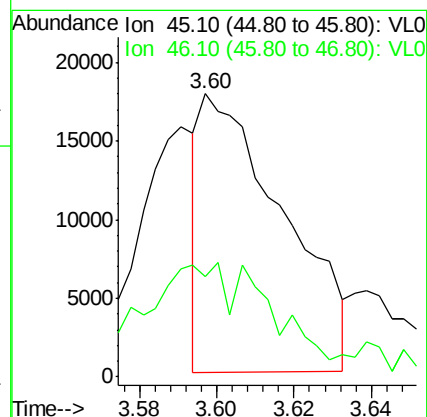
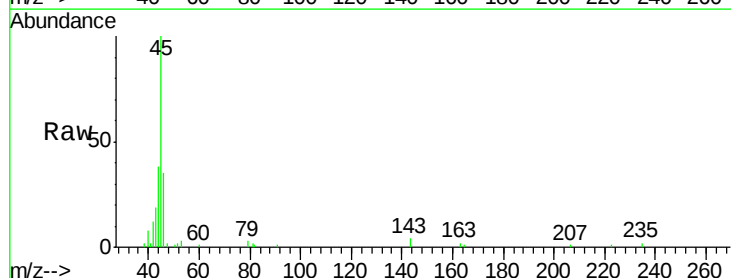
Acq: 5 Oct 2021 23:12

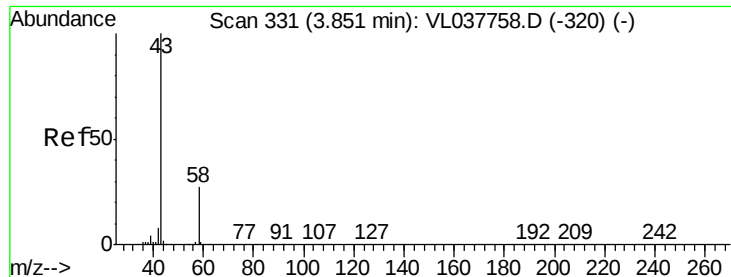
Tgt Ion: 45 Resp: 26279

Ion Ratio Lower Upper

45 100

46 76.5 20.2 81.0





#15

Acetone

Concen: 17.830 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

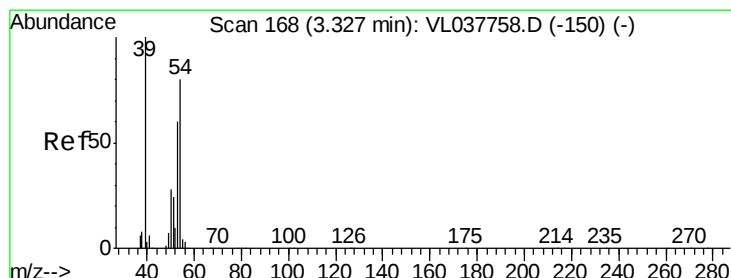
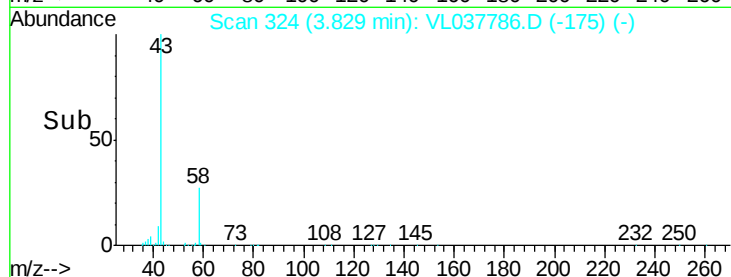
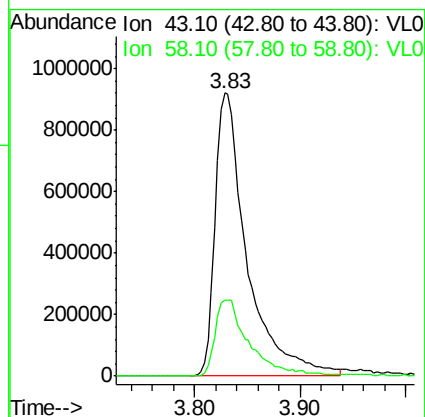
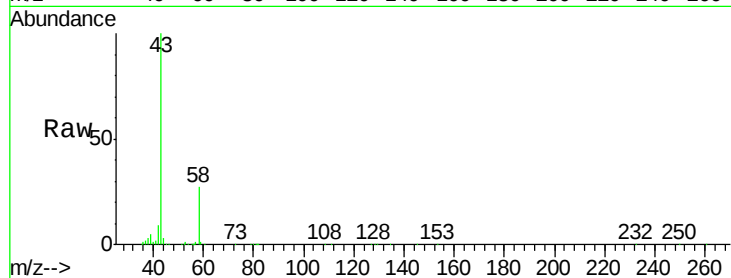
C0P19

Tgt Ion: 43 Resp: 1942709

Ion Ratio Lower Upper

43 100

58 29.5 23.0 34.6



#16

1,3-Butadiene

Concen: 0.050 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL037786.D

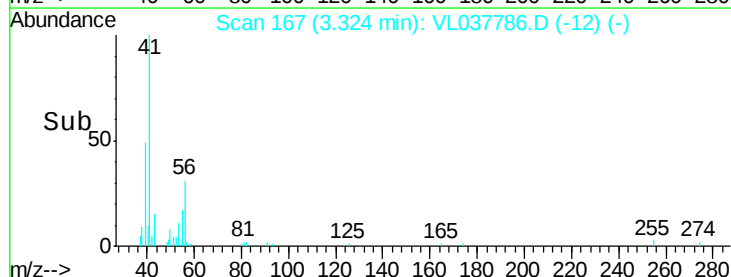
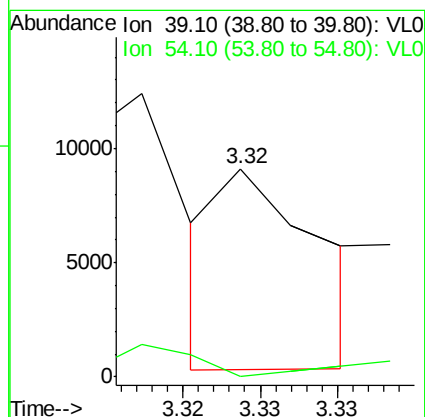
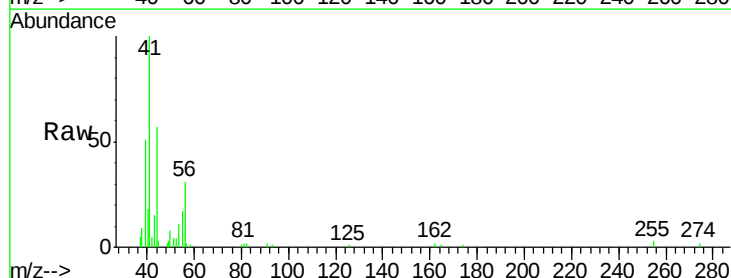
Acq: 5 Oct 2021 23:12

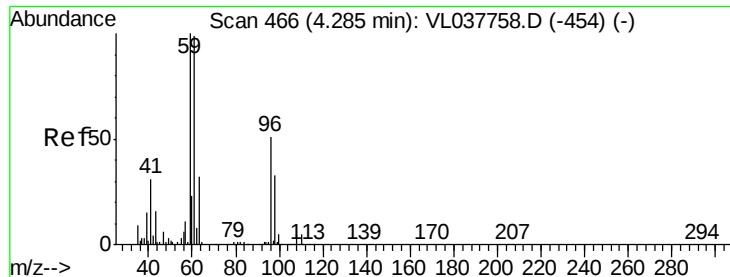
Tgt Ion: 39 Resp: 3953

Ion Ratio Lower Upper

39 100

54 0.0 61.7 92.5#





#17

tert-Butyl alcohol

Concen: 0.169 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.00 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

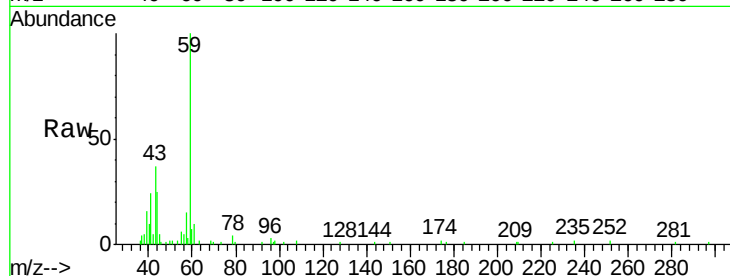
C0P19

Tgt Ion: 59 Resp: 18930

Ion Ratio Lower Upper

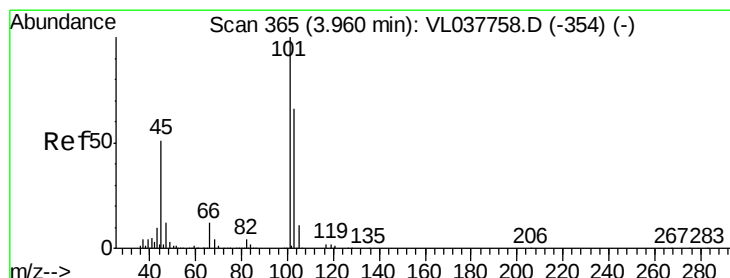
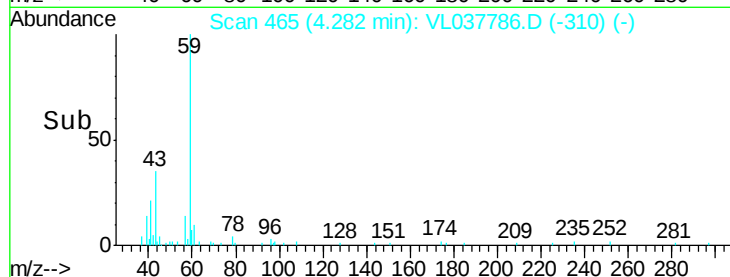
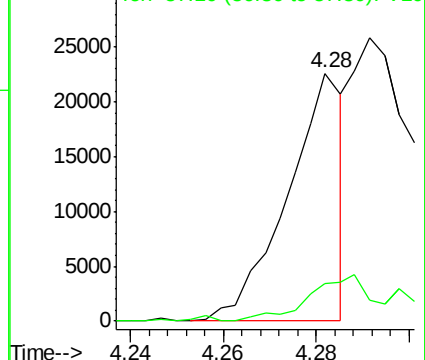
59 100

57 0.0 8.6 13.0#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 0.072 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037786.D

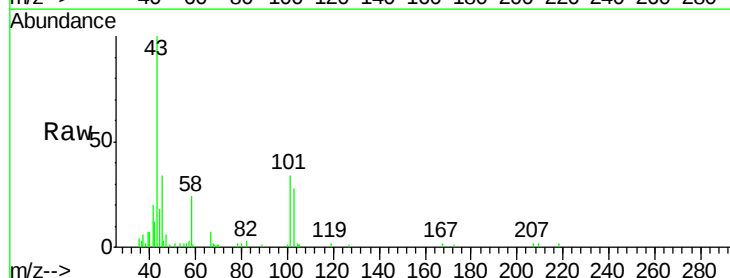
Acq: 5 Oct 2021 23:12

Tgt Ion: 45 Resp: 4896

Ion Ratio Lower Upper

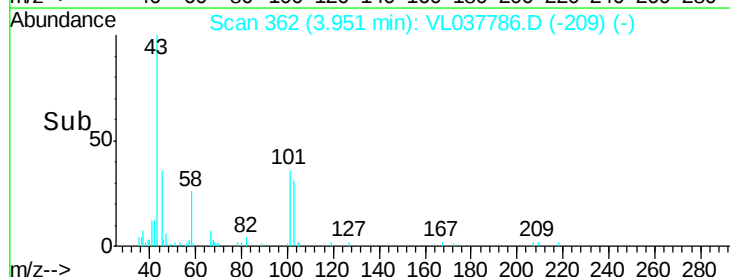
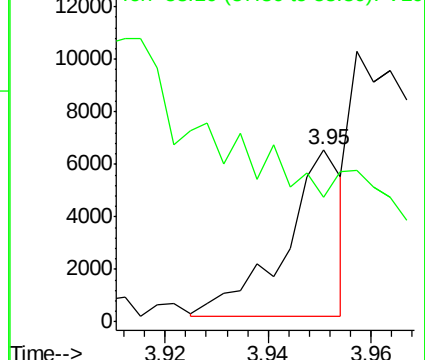
45 100

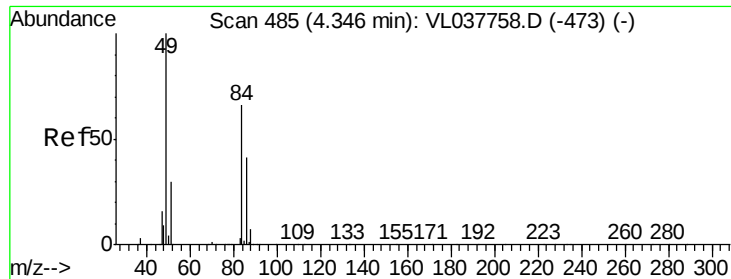
58 0.0 1.1 1.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

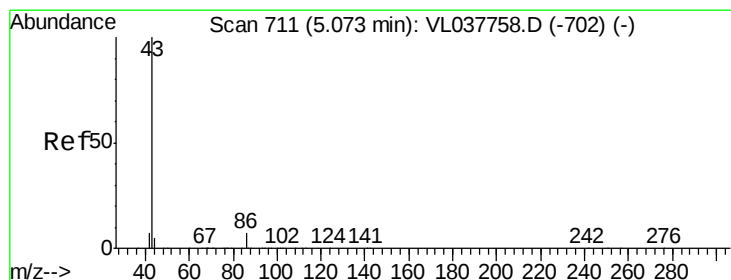
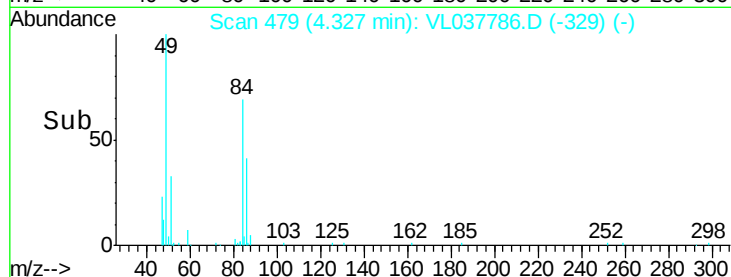
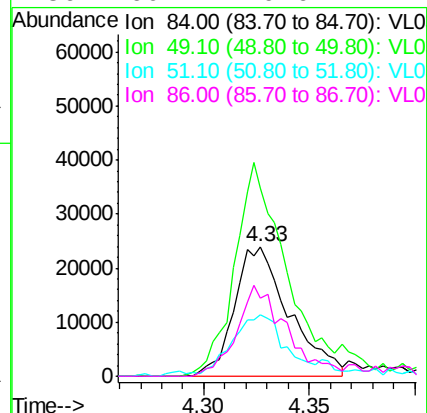
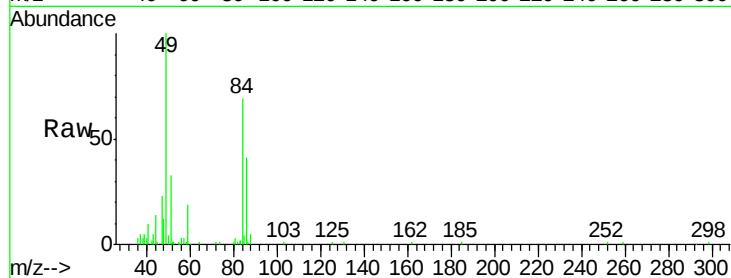




#20
Methylene Chloride
Concen: 0.788 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL037786.D
Acq: 5 Oct 2021 23:12

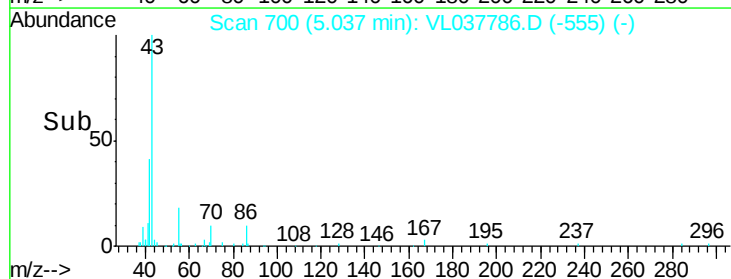
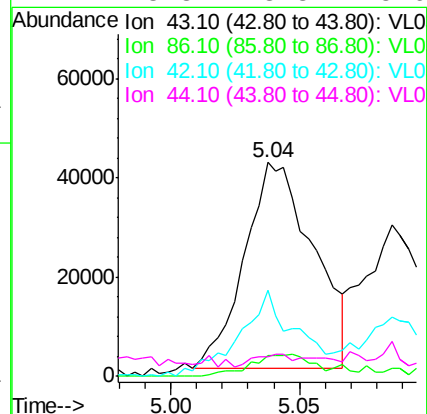
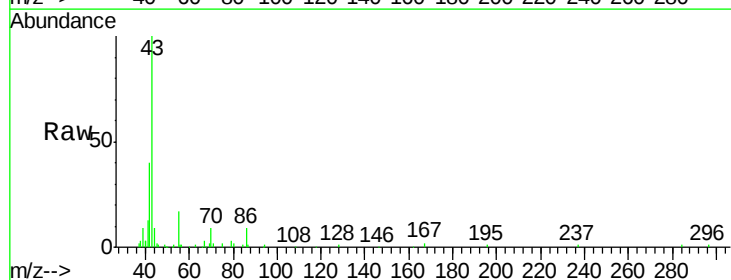
Instrument :
MSVOA_L
ClientSampleId :
C0P19

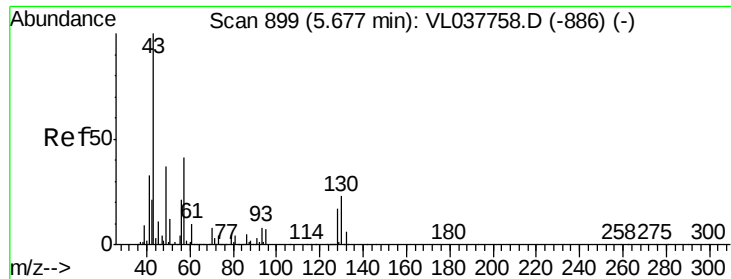
Tgt Ion:	84	Resp:	43365
Ion	Ratio	Lower	Upper
84	100		
49	141.8	120.7	181.1
51	44.3	36.2	54.4
86	60.1	49.6	74.4



#23
Vinyl Acetate
Concen: 0.476 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.04 min
Lab File: VL037786.D
Acq: 5 Oct 2021 23:12

Tgt Ion:	43	Resp:	77642
Ion	Ratio	Lower	Upper
43	100		
86	9.9	5.0	7.4#
42	39.3	7.4	11.0#
44	3.3	3.8	5.6#





#25

Ethyl Acetate

Concen: 0.121 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

C0P19

Tgt Ion: 43 Resp: 36876

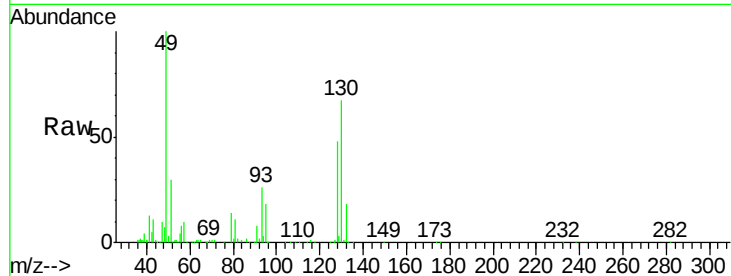
Ion Ratio Lower Upper

43 100

45 6.4 8.1 12.1#

61 0.2 7.5 11.3#

70 4.7 5.9 8.9#

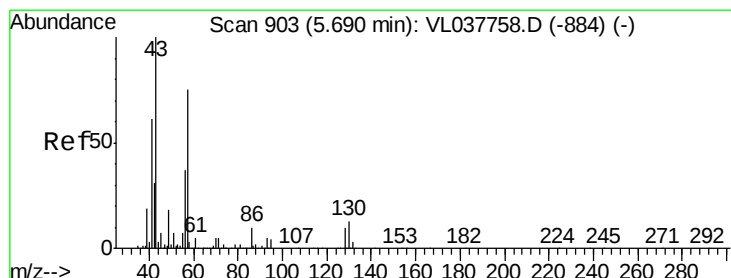
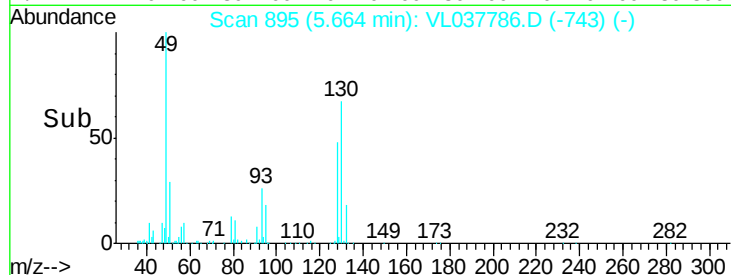
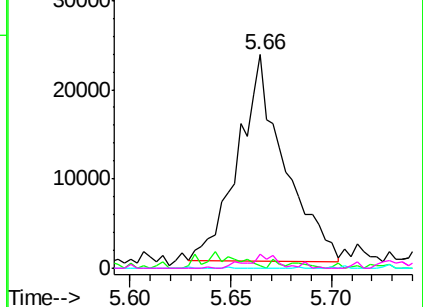


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.288 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.03 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Tgt Ion: 57 Resp: 43348

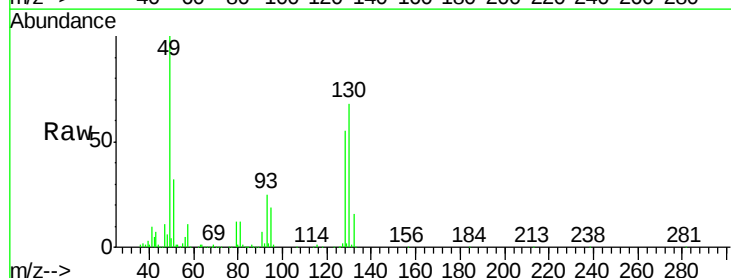
Ion Ratio Lower Upper

57 100

41 142.1 69.6 104.4#

43 93.1 171.4 257.0#

56 74.5 42.0 63.0#

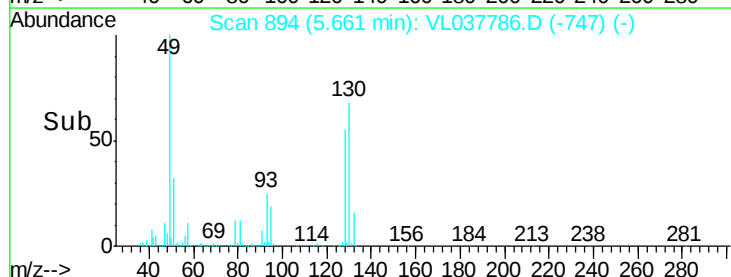
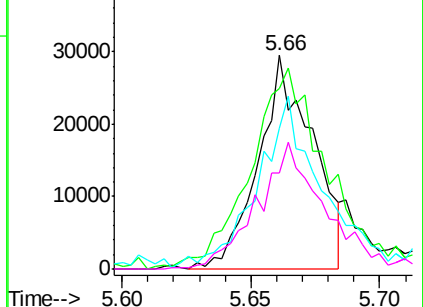


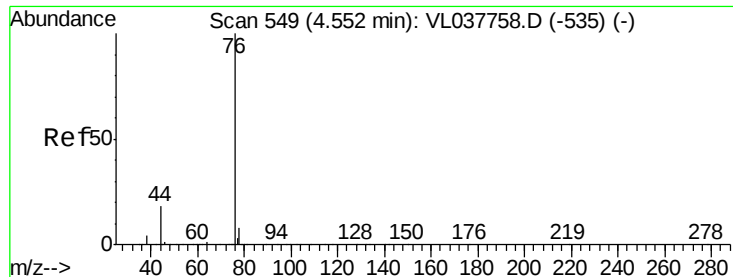
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.120 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.02 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

C0P19

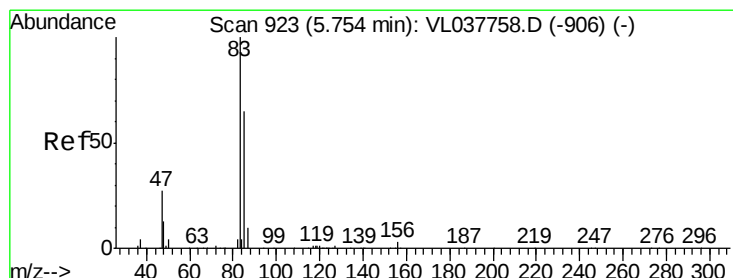
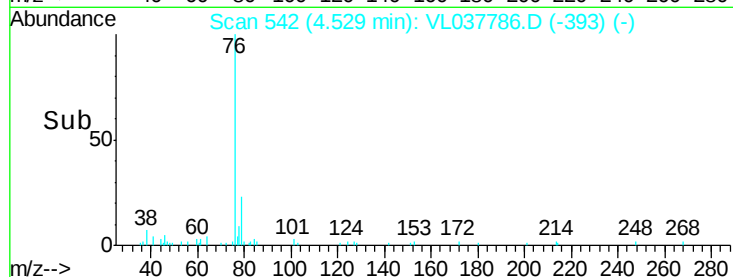
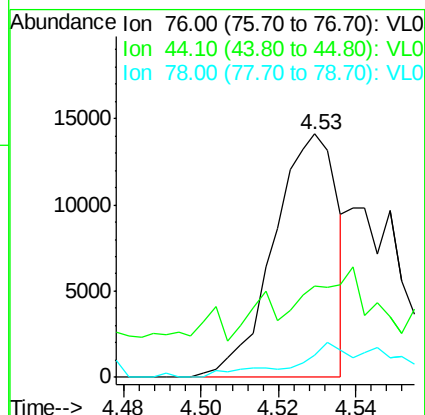
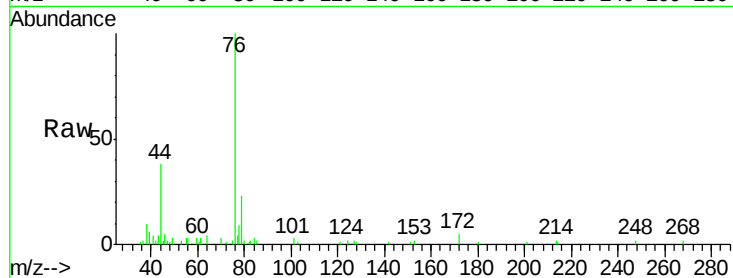
Tgt Ion: 76 Resp: 16068

Ion Ratio Lower Upper

76 100

44 0.0 14.3 21.5#

78 26.1 7.8 11.6#



#29

Chloroform

Concen: 0.496 ppbv

RT: 5.73 min Scan# 914

Delta R.T. -0.03 min

Lab File: VL037786.D

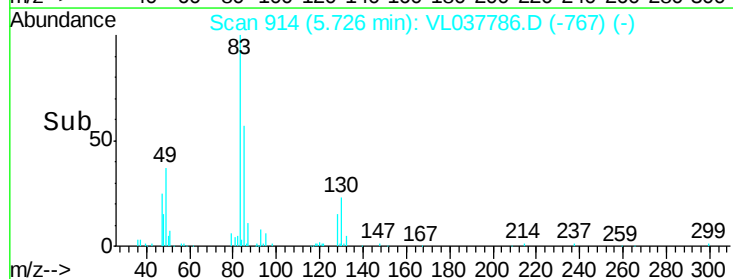
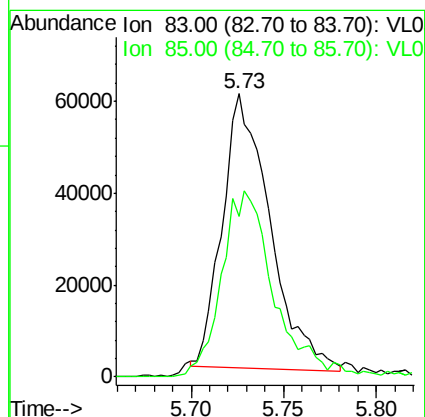
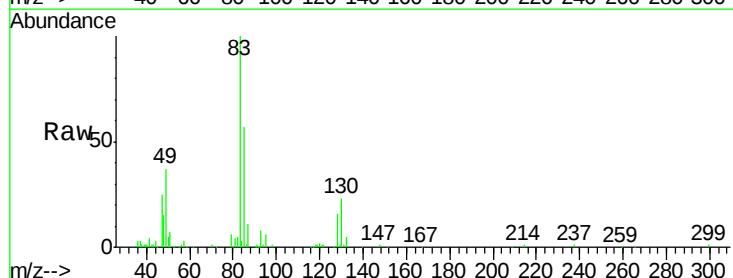
Acq: 5 Oct 2021 23:12

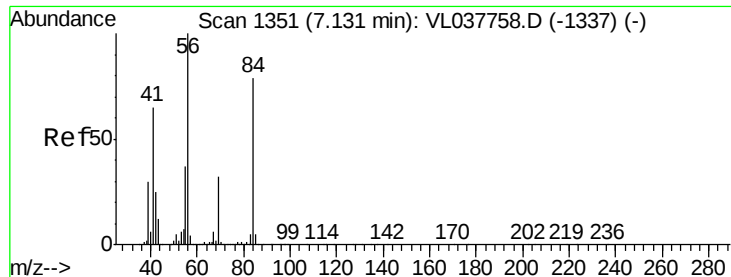
Tgt Ion: 83 Resp: 106671

Ion Ratio Lower Upper

83 100

85 55.0 51.8 77.8

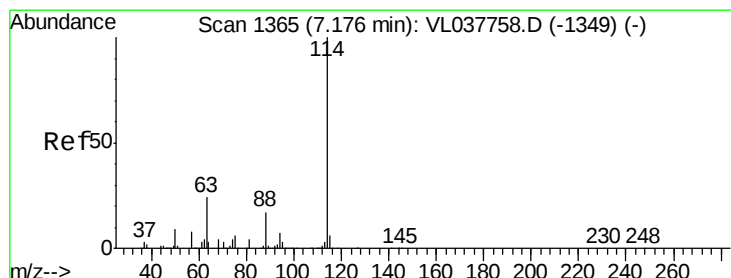
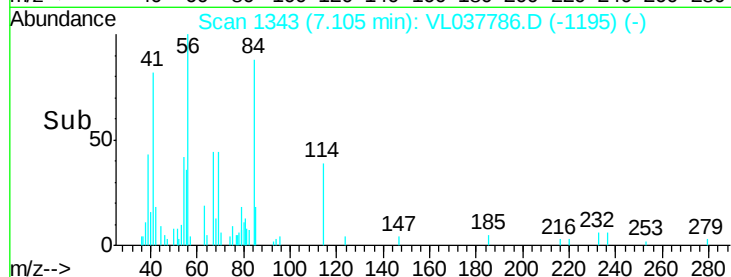
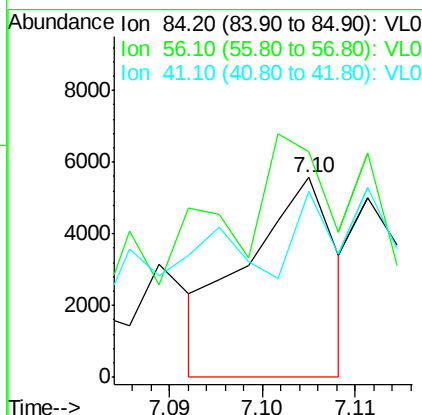
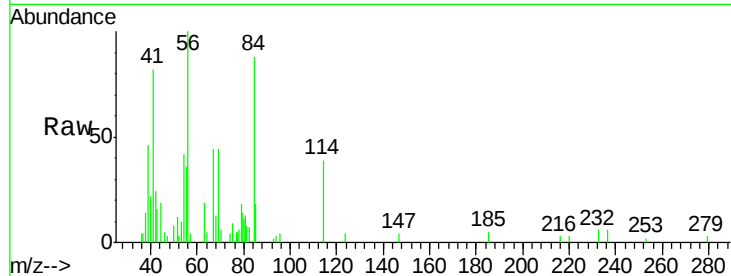




#30
Cyclohexane
Concen: 0.029 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.03 min
Lab File: VL037786.D
Acq: 5 Oct 2021 23:12

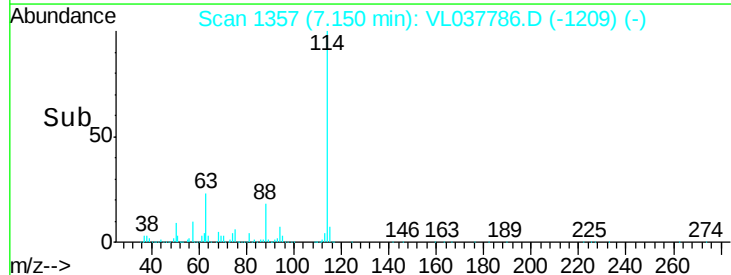
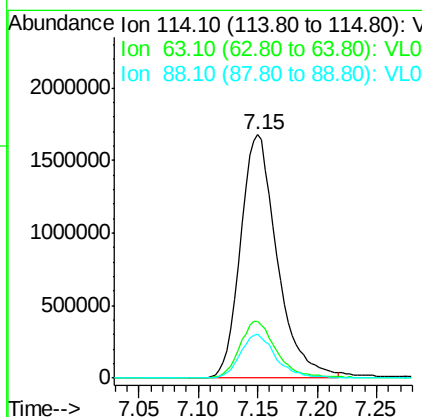
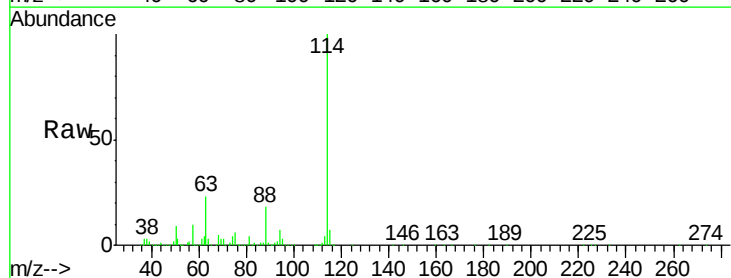
Instrument :
MSVOA_L
ClientSampleId :
C0P19

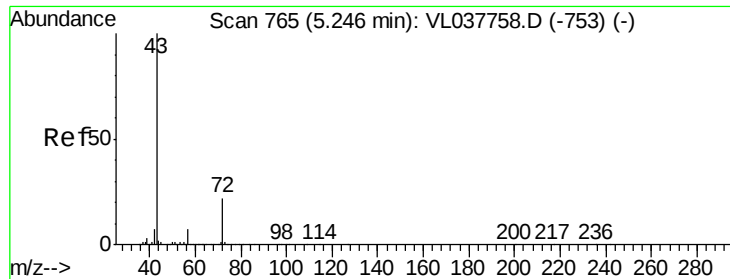
Tgt Ion: 84 Resp: 3703
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 0.0 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL037786.D
Acq: 5 Oct 2021 23:12

Tgt Ion: 114 Resp: 3581202
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.2
88 17.8 14.4 21.6

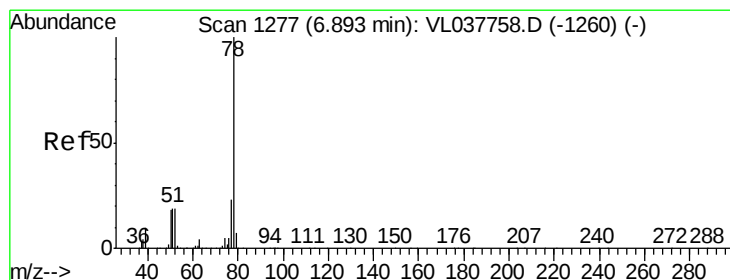
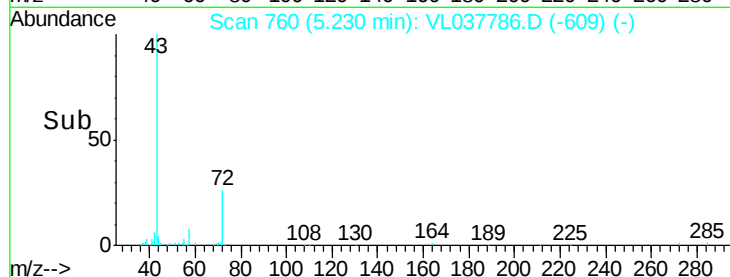
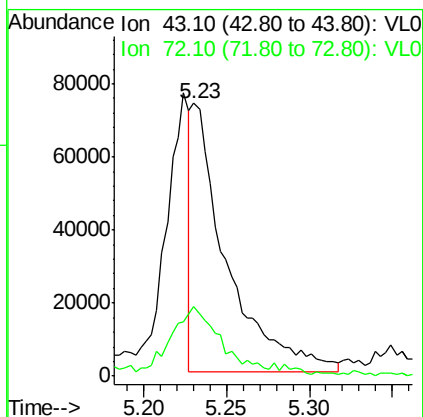
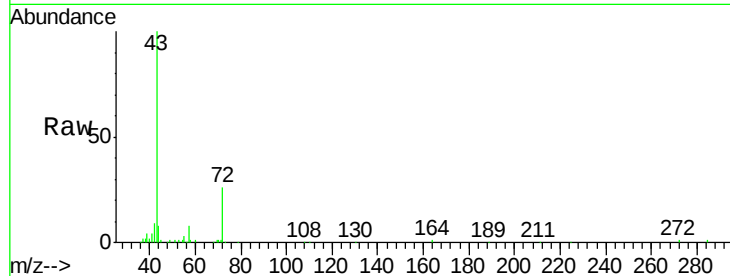




#34
 2-Butanone
 Concen: 0.737 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL037786.D
 Acq: 5 Oct 2021 23:12

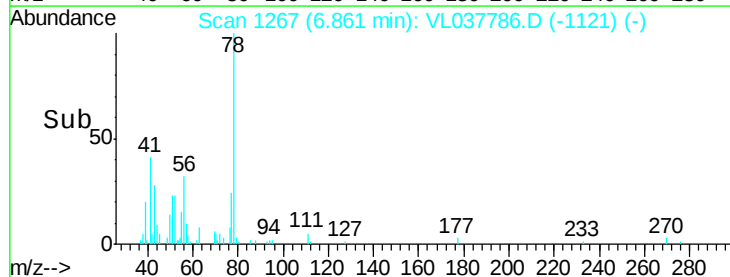
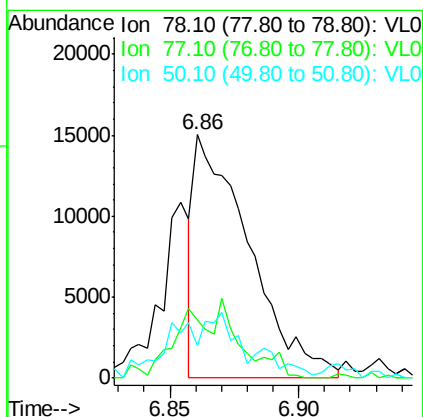
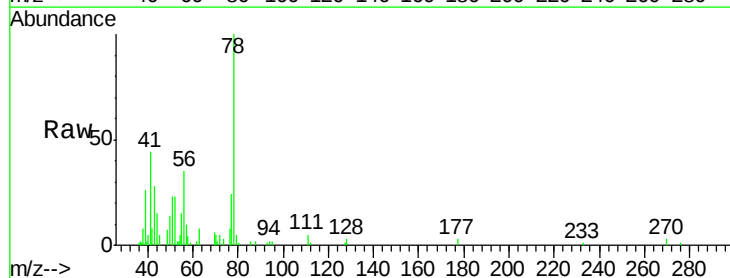
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P19

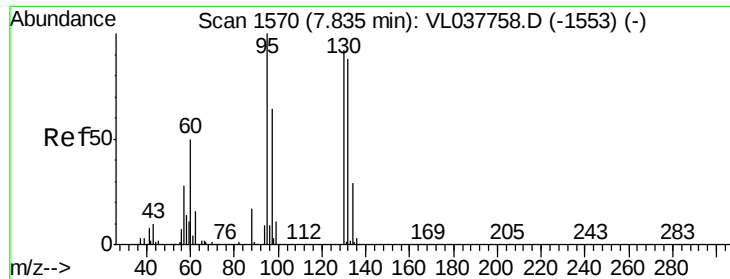
Tgt Ion: 43 Resp: 106513
 Ion Ratio Lower Upper
 43 100
 72 41.2 18.2 27.2#



#36
 Benzene
 Concen: 0.072 ppbv
 RT: 6.86 min Scan# 1267
 Delta R.T. -0.03 min
 Lab File: VL037786.D
 Acq: 5 Oct 2021 23:12

Tgt Ion: 78 Resp: 22120
 Ion Ratio Lower Upper
 78 100
 77 22.8 18.8 28.2
 50 8.1 14.7 22.1#





#38

Trichloroethene

Concen: 0.032 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.03 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

C0P19

Tgt Ion:130 Resp: 3819

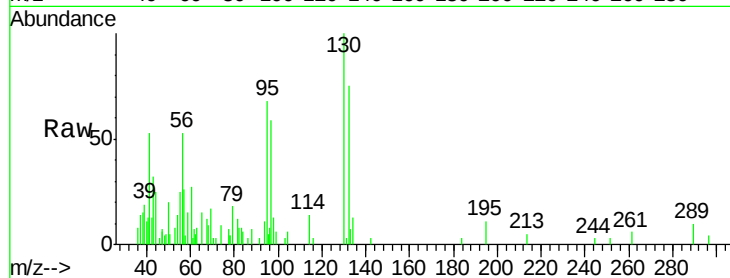
Ion Ratio Lower Upper

130 100

95 1.4 87.4 131.0#

132 17.6 76.8 115.2#

97 19.6 55.8 83.8#

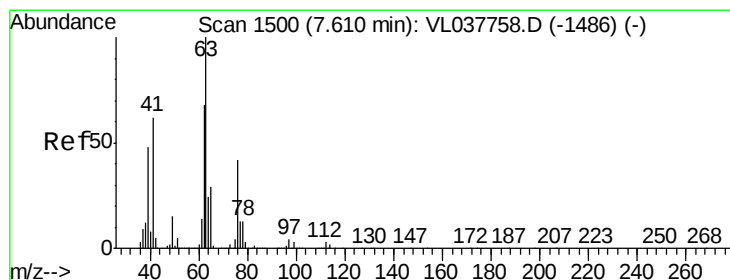
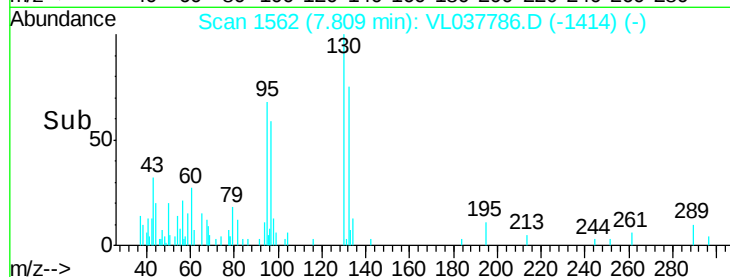
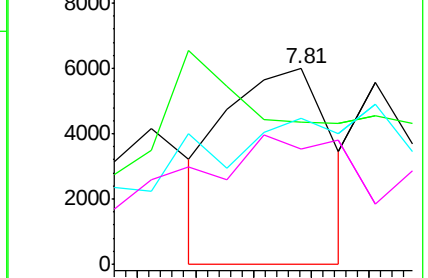


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.218 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.46 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

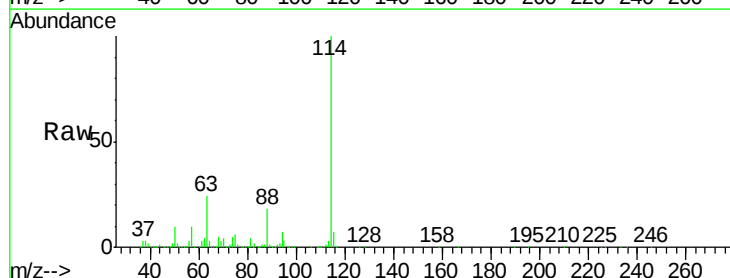
Tgt Ion: 63 Resp: 830452

Ion Ratio Lower Upper

63 100

41 0.0 49.8 74.6#

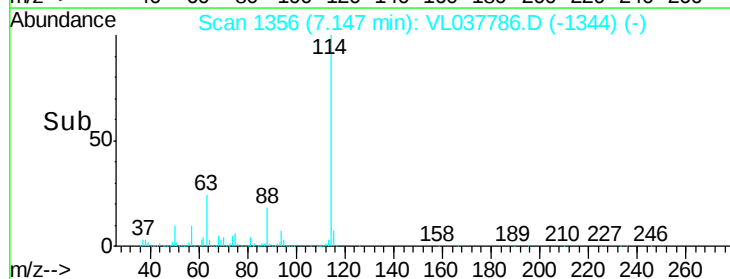
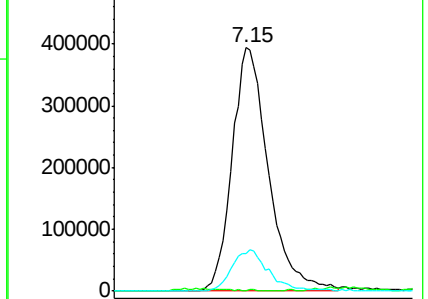
62 15.3 54.6 82.0#

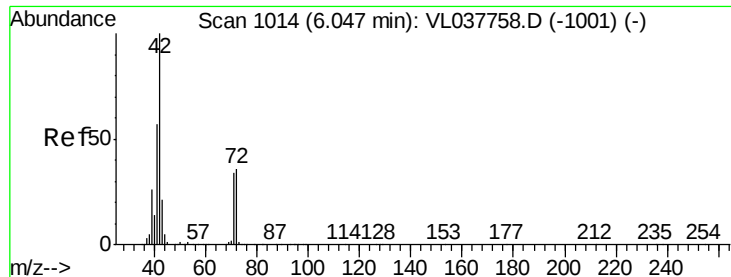


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

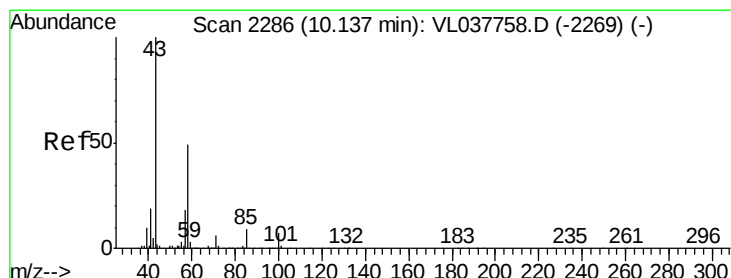
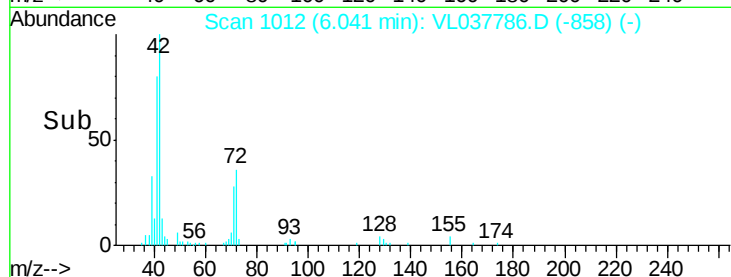
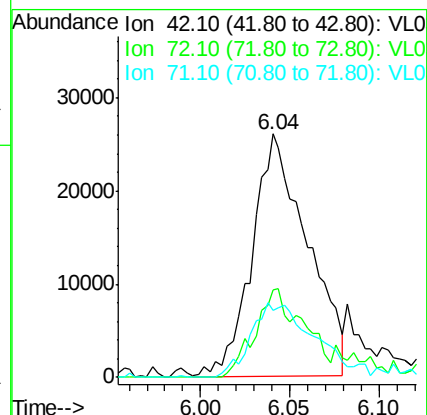
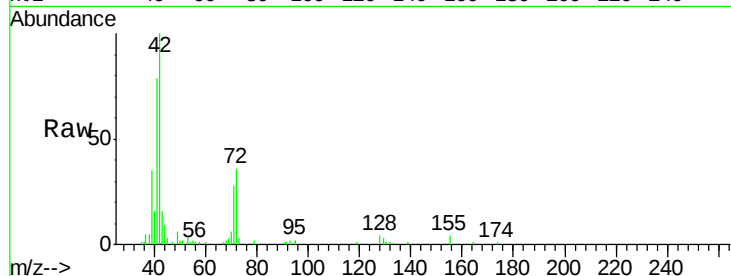




#41
Tetrahydrofuran
Concen: 0.800 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL037786.D
Acq: 5 Oct 2021 23:12

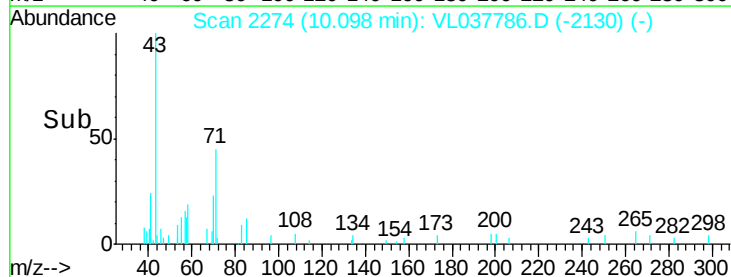
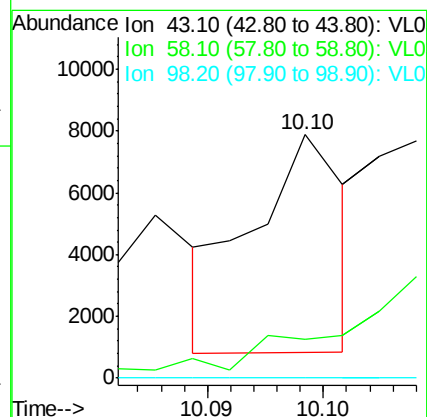
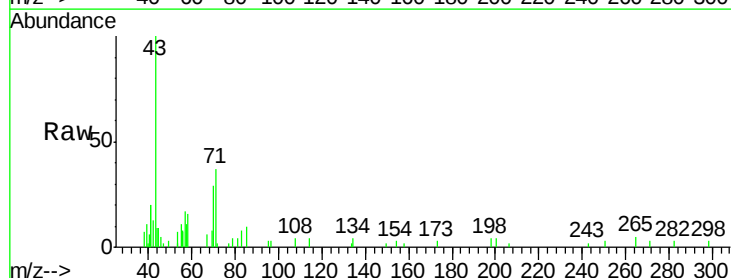
Instrument :
MSVOA_L
ClientSampleId :
C0P19

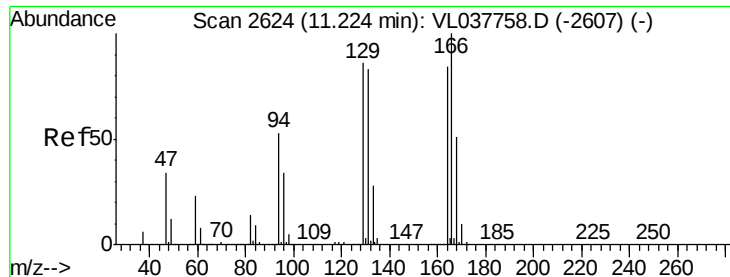
Tgt Ion: 42 Resp: 56601
Ion Ratio Lower Upper
42 100
72 40.5 31.9 47.9
71 35.9 30.3 45.5



#51
2-Hexanone
Concen: 0.047 ppbv
RT: 10.10 min Scan# 2274
Delta R.T. -0.04 min
Lab File: VL037786.D
Acq: 5 Oct 2021 23:12

Tgt Ion: 43 Resp: 3934
Ion Ratio Lower Upper
43 100
58 0.0 39.4 59.0#
98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 59.300 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.03 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

C0P19

Tgt Ion:164 Resp: 7057035

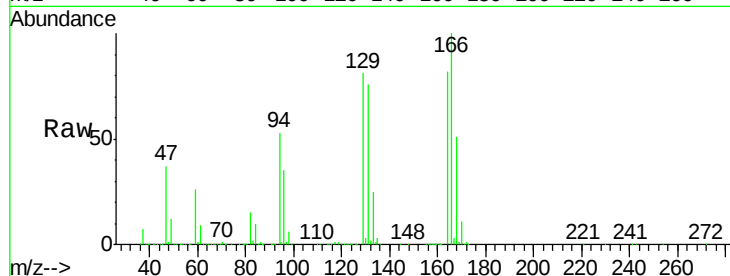
Ion Ratio Lower Upper

164 100

166 122.2 95.4 143.2

129 99.4 82.2 123.4

131 93.2 79.4 119.2

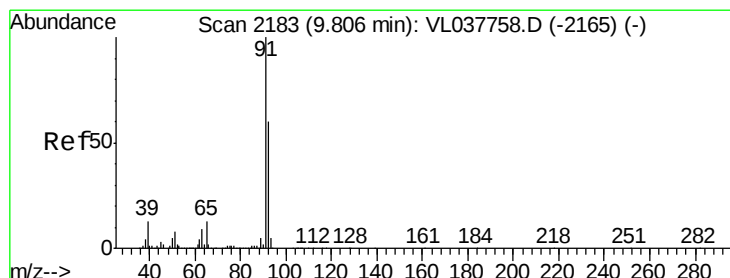
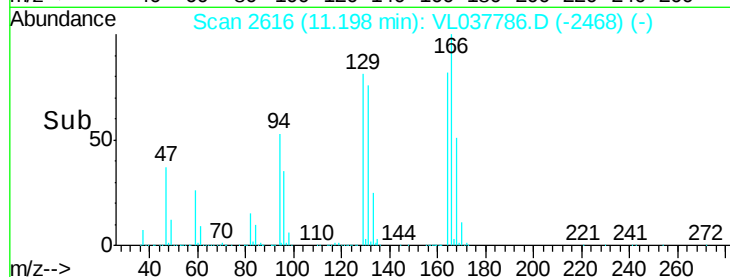
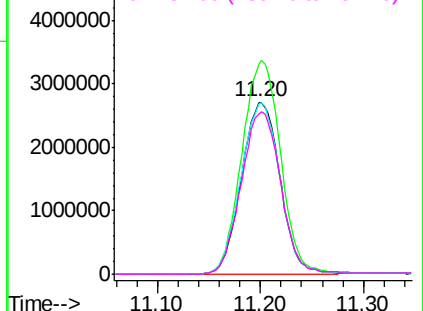


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.202 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL037786.D

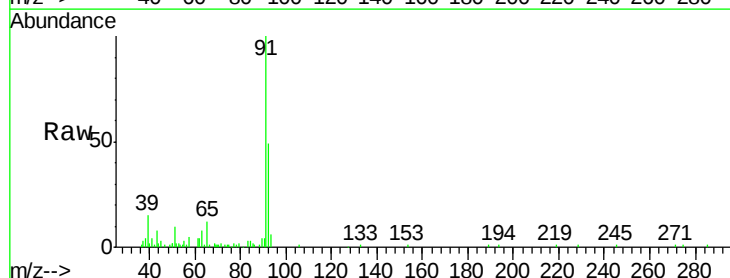
Acq: 5 Oct 2021 23:12

Tgt Ion: 91 Resp: 68336

Ion Ratio Lower Upper

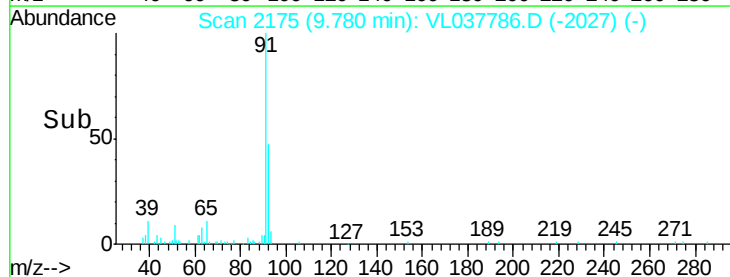
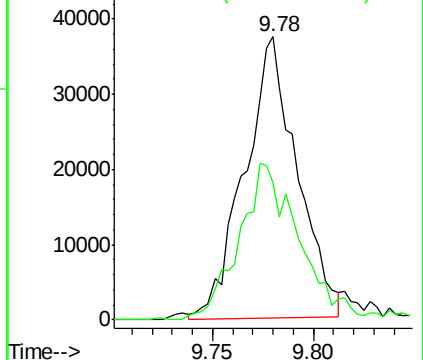
91 100

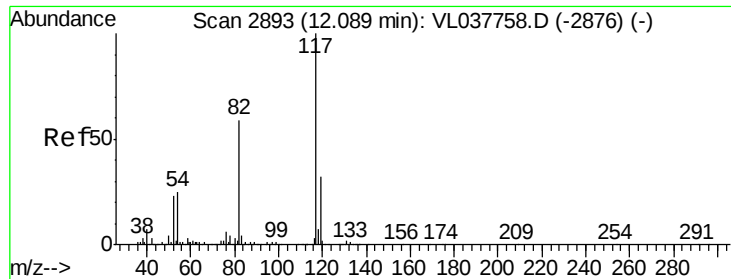
92 64.8 48.4 72.6



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: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL037786.D

Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

C0P19

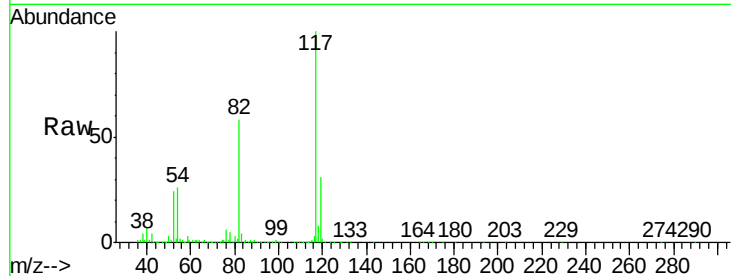
Tgt Ion:117 Resp: 3115727

Ion Ratio Lower Upper

117 100

82 65.4 52.2 78.2

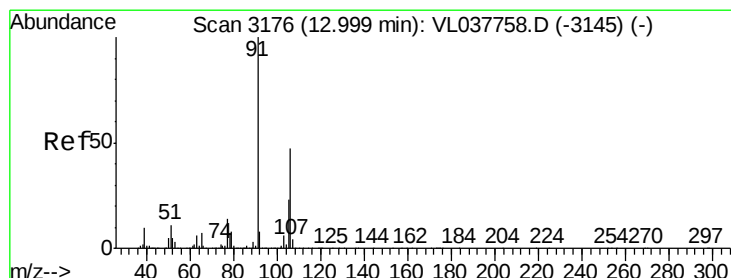
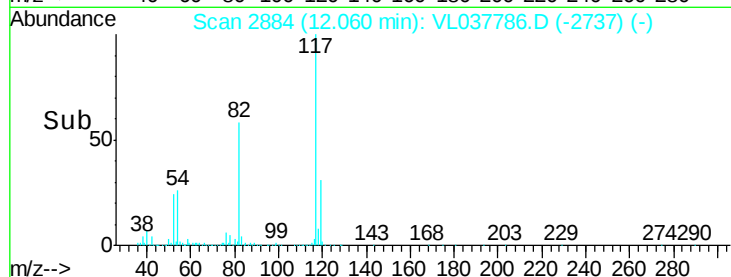
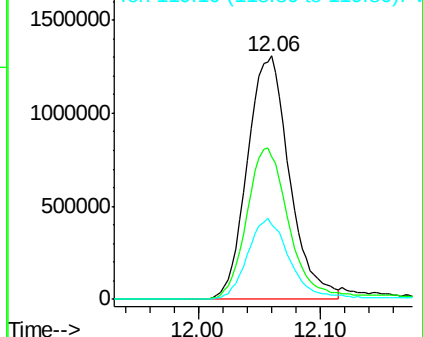
119 34.4 26.0 39.0



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



#59

m/p-Xylene

Concen: 0.073 ppbv

RT: 12.96 min Scan# 3164

Delta R.T. -0.04 min

Lab File: VL037786.D

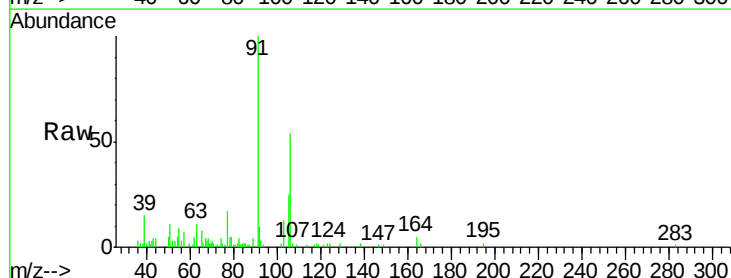
Acq: 5 Oct 2021 23:12

Tgt Ion: 91 Resp: 26112

Ion Ratio Lower Upper

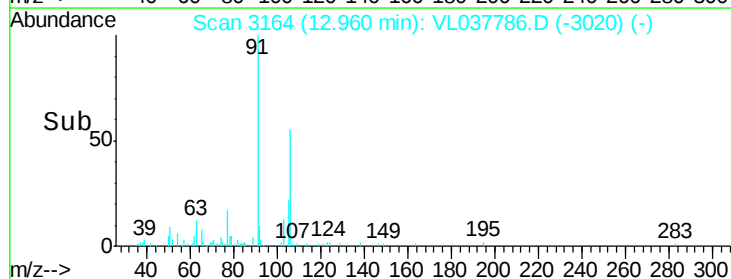
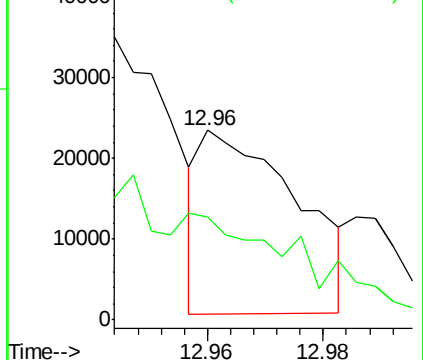
91 100

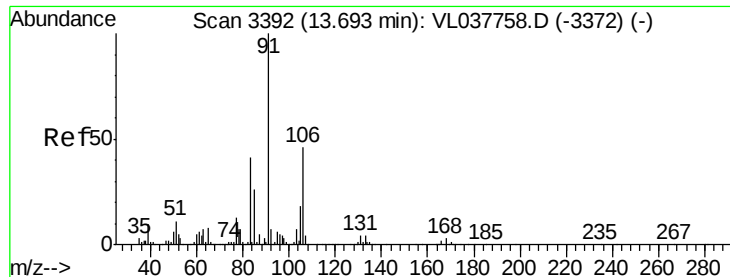
106 0.0 36.7 55.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

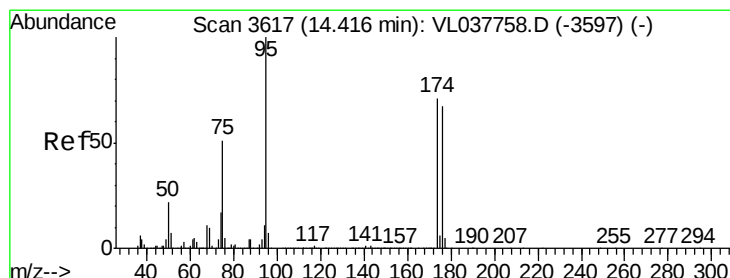
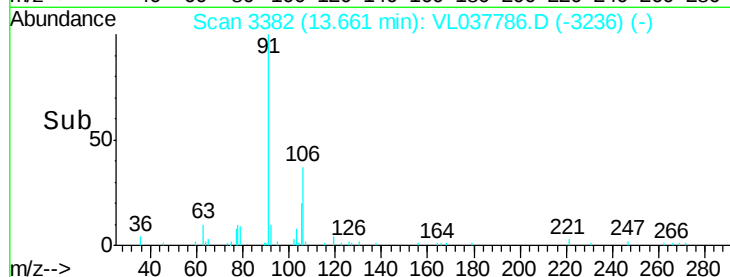
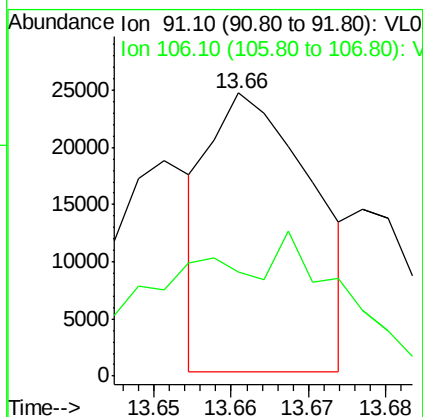
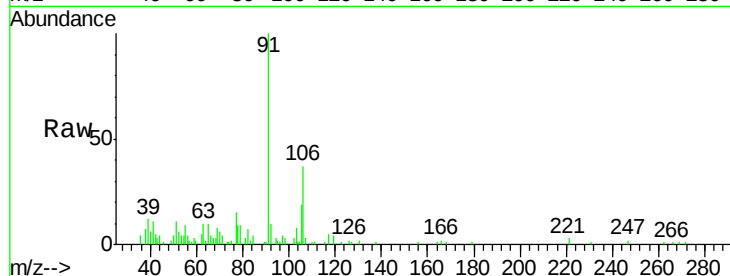




#60
o-Xylene
Concen: 0.065 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.03 min
Lab File: VL037786.D
Acq: 5 Oct 2021 23:12

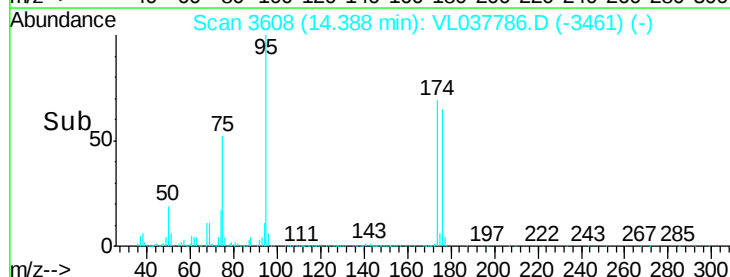
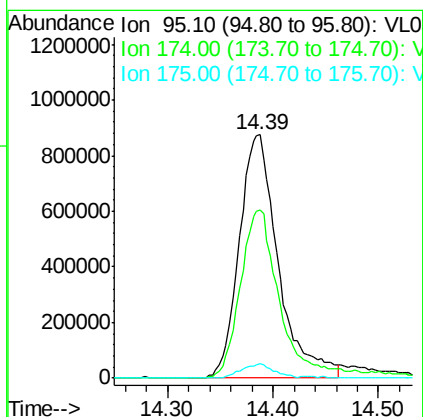
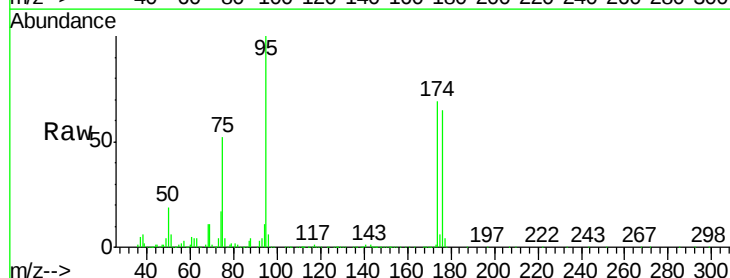
Instrument :
MSVOA_L
ClientSampleId :
C0P19

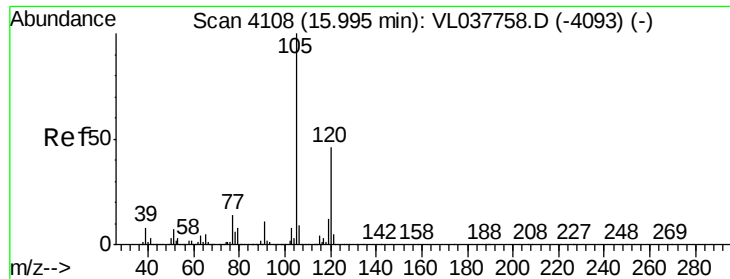
Tgt Ion: 91 Resp: 22422
Ion Ratio Lower Upper
91 100
106 114.7 23.5 70.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.335 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.03 min
Lab File: VL037786.D
Acq: 5 Oct 2021 23:12

Tgt Ion: 95 Resp: 2251927
Ion Ratio Lower Upper
95 100
174 73.3 57.8 86.6
175 5.6 4.7 7.1

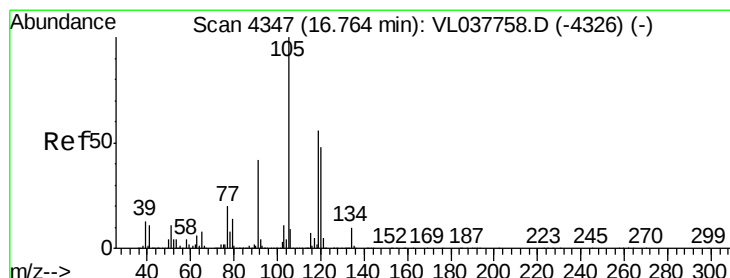
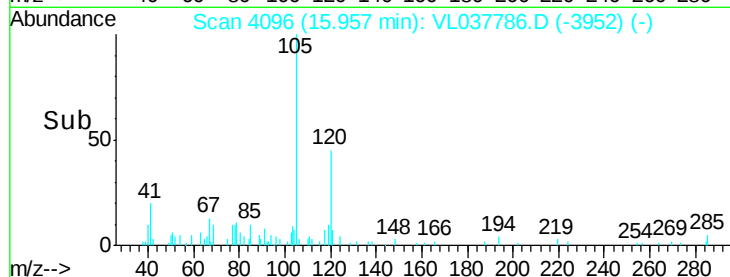
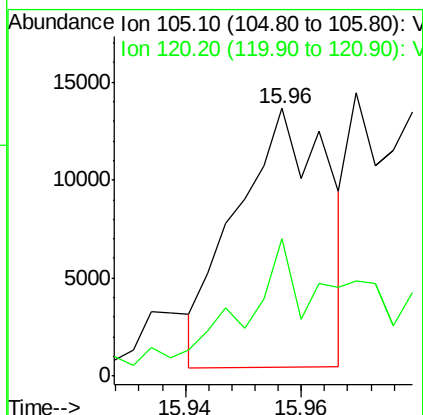
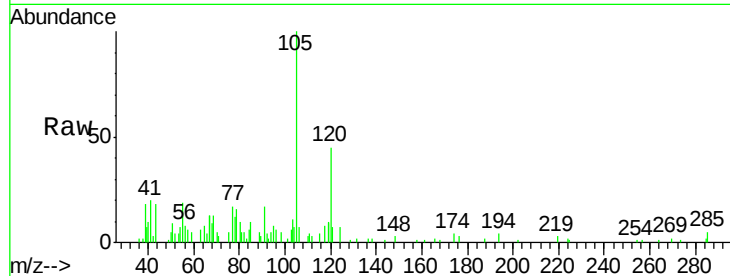




#73
 1,3,5-Trimethylbenzene
 Concen: 0.041 ppbv
 RT: 15.96 min Scan# 4096
 Delta R.T. -0.04 min
 Lab File: VL037786.D
 Acq: 5 Oct 2021 23:12

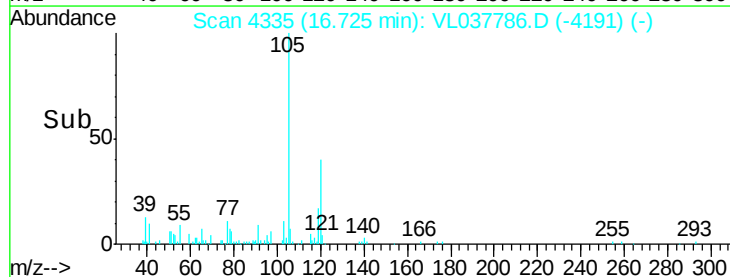
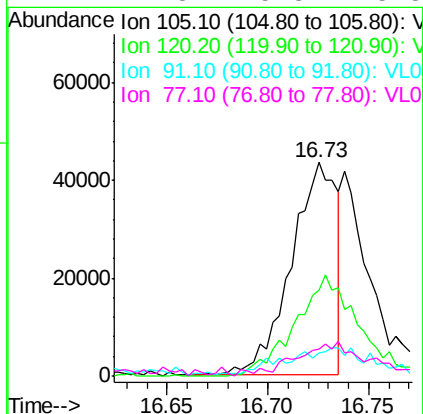
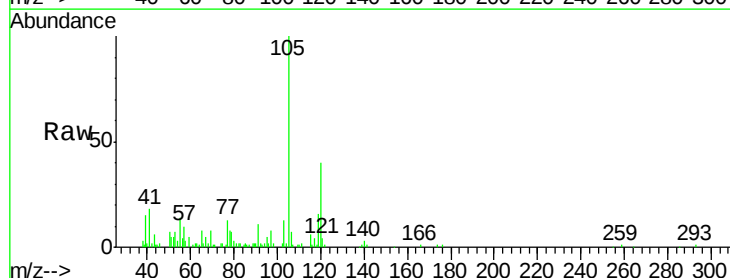
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P19

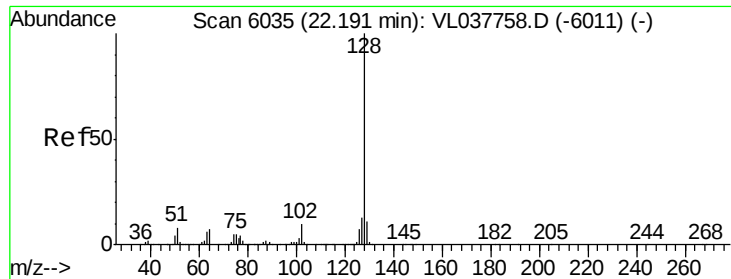
Tgt Ion:105 Resp: 14491
 Ion Ratio Lower Upper
 105 100
 120 53.6 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.182 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.04 min
 Lab File: VL037786.D
 Acq: 5 Oct 2021 23:12

Tgt Ion:105 Resp: 67911
 Ion Ratio Lower Upper
 105 100
 120 44.7 38.4 57.6
 91 9.2 34.2 51.2#
 77 12.8 15.8 23.8#





#79

Naphthalene

Concen: 0.028 ppbv

RT: 22.13 min Scan# 6017

Delta R.T. -0.06 min

Lab File: VL037786.D

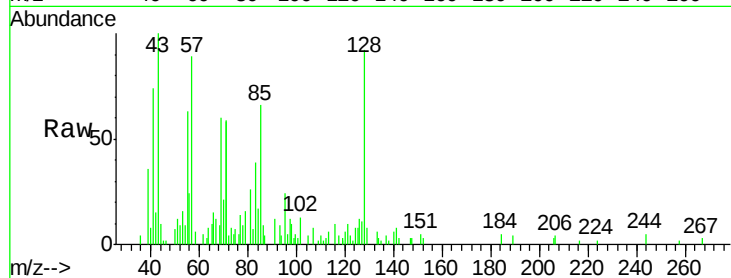
Acq: 5 Oct 2021 23:12

Instrument :

MSVOA_L

ClientSampleId :

C0P19



Tgt Ion:	128	Resp:	6396
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.1	15.1
129	4.7	9.1	13.7#

