

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070919\
 Data File : VX010754.D
 Acq On : 09 Jul 2019 16:34
 Operator : JC/SP
 Sample : K3664-04DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0588DL

Quant Time: Jul 10 02:12:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	202340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315320	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154961	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	100660	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	5.50	113	94462	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	8.71	98	378601	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.13	95	138579	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

					Qvalue	
3) Chloromethane	1.32	50	523	0.319	ug/l	# 53
4) Vinyl Chloride	1.41	62	399	0.222	ug/l	# 80
5) Bromomethane	1.64	94	477	0.546	ug/l	# 75
6) Chloroethane	1.71	64	423	0.400	ug/l	# 41
11) Tert butyl alcohol	3.03	59	1015	2.045	ug/l	# 74
13) Acrolein	2.28	56	324	0.984	ug/l	# 69
16) Acetone	2.45	43	1290	1.357	ug/l	99
18) Methyl Acetate	2.84	43	2204	1.163	ug/l	# 48
20) Methylene Chloride	2.85	84	1067	0.545	ug/l	# 83
25) 2-Butanone	4.68	43	383	0.275	ug/l	99
31) Cyclohexane	5.58	56	13128	4.791	ug/l	94
36) 1,1-Dichloropropene	5.66	75	13238	5.283	ug/l	# 49
38) Carbon Tetrachloride	5.65	117	17769	6.549	ug/l	# 13
39) Methylcyclohexane	7.46	83	22538	6.843	ug/l	95
49) 1,4-Dioxane	7.51	88	30	0.525	ug/l	# 1
52) Toluene	8.78	92	1352	0.263	ug/l	91
55) 1,1,2-Trichloroethane	9.16	97	1709	0.806	ug/l	# 22
67) Ethyl Benzene	10.25	91	300362	29.403	ug/l	100
68) m/p-Xylenes	10.36	106	289700	73.189	ug/l	100
69) o-Xylene	10.69	106	37082	9.526	ug/l	97
70) Styrene	10.70	104	2028	0.311	ug/l	# 1
73) Isopropylbenzene	11.02	105	37505	3.570	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	68583	24.288	ug/l	# 33
78) n-propylbenzene	11.36	91	68932	5.971	ug/l	100
79) 2-Chlorotoluene	11.43	91	25339	3.686	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.51	105	98209	11.341	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	68583	56.660	ug/l	# 16
82) 4-Chlorotoluene	11.51	91	10524	1.345	ug/l	# 42
83) tert-Butylbenzene	11.80	119	44473	5.117	ug/l	# 58
84) 1,2,4-Trimethylbenzene	11.80	105	355626	40.875	ug/l	98
85) sec-Butylbenzene	11.94	105	19554	1.916	ug/l	88
86) p-Isopropyltoluene	12.06	119	19076	2.021	ug/l	96
89) n-Butylbenzene	12.38	91	22180	2.765	ug/l	# 25
90) Hexachloroethane	12.58	117	5196	3.183	ug/l	# 5

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

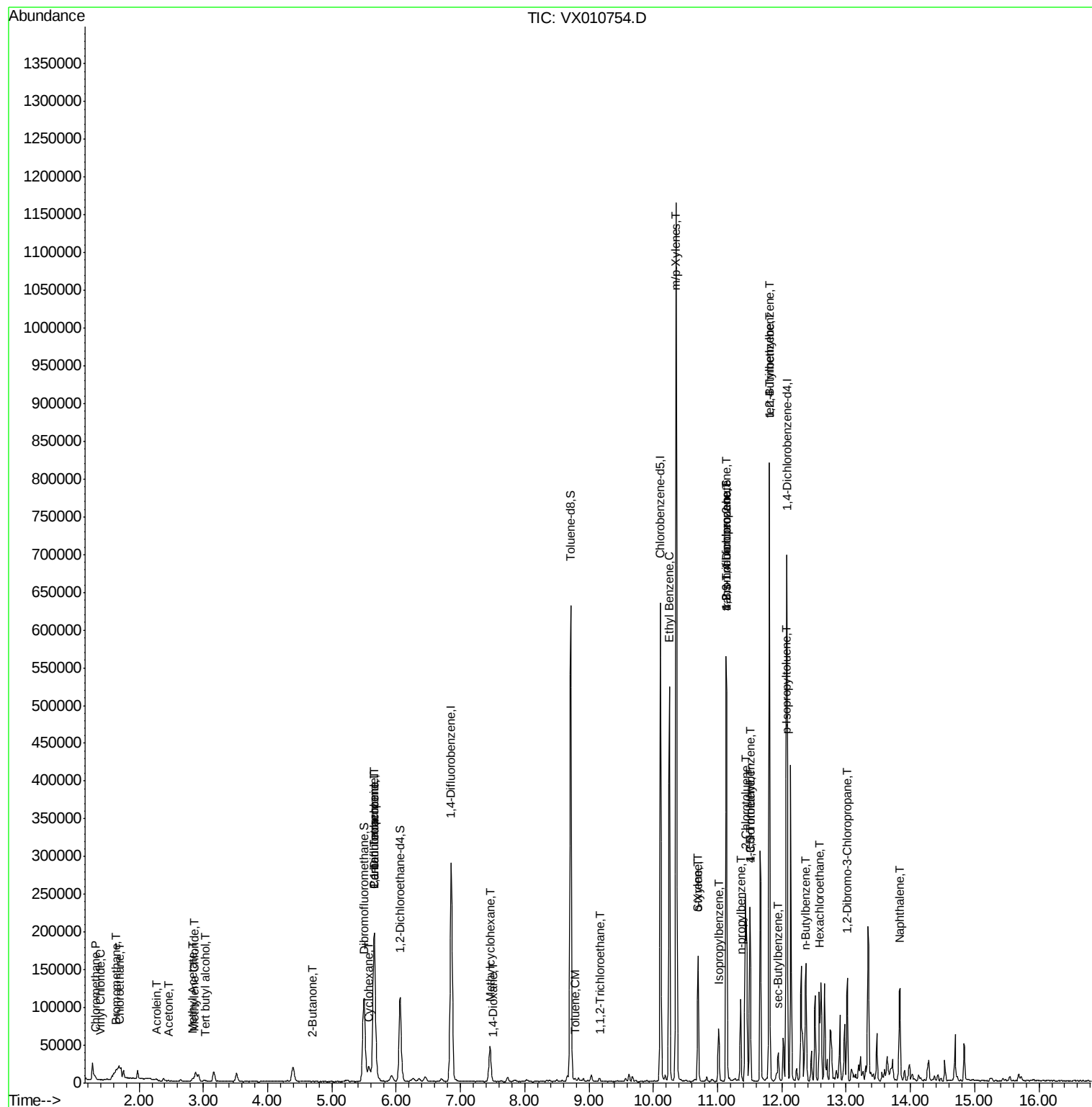
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.01	75	532	0.709	ug/l #	1
95) Naphthalene	13.83	128	82113	7.572	ug/l	98

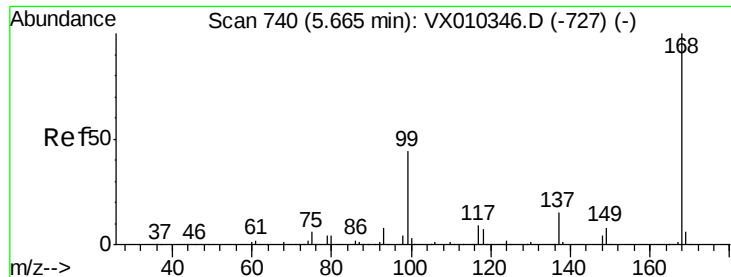
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

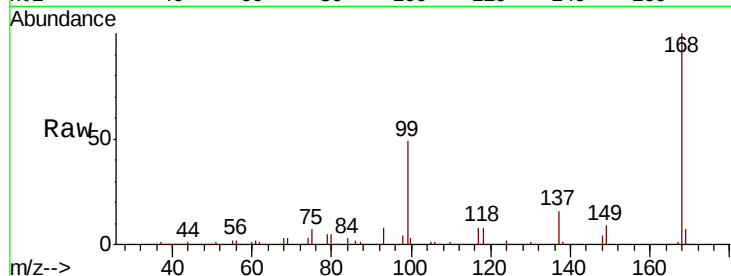
FL-0588DL

Tot Ion:168 Resp: 202340

Ion Ratio Lower Upper

168 100

99 48.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

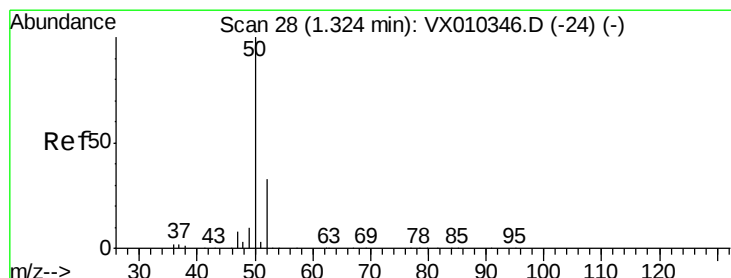
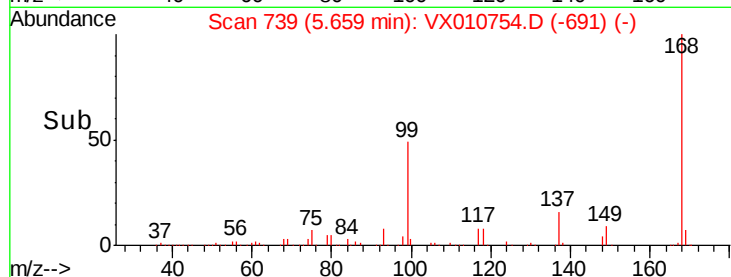
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.319 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010754.D

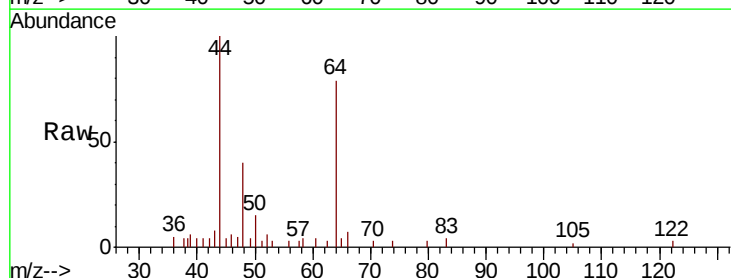
Acq: 09 Jul 2019 16:34

Tgt Ion: 50 Resp: 523

Ion Ratio Lower Upper

50 100

52 59.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

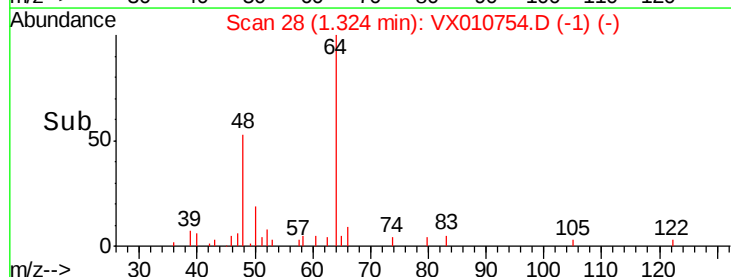
200

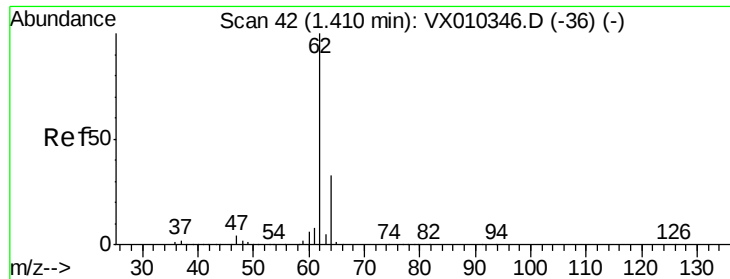
100

0

Time-->

1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 0.222 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

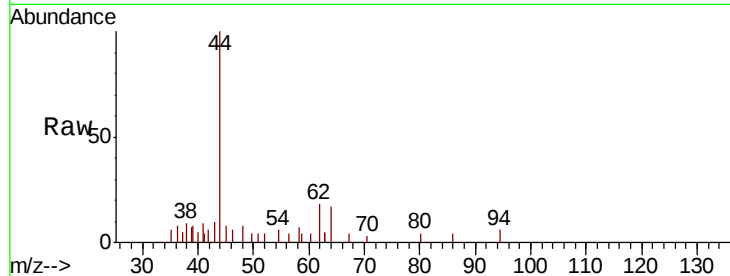
FL-0588DL

Tot Ion: 62 Resp: 399

Ion Ratio Lower Upper

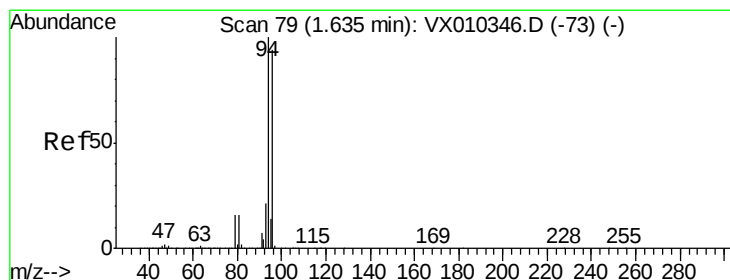
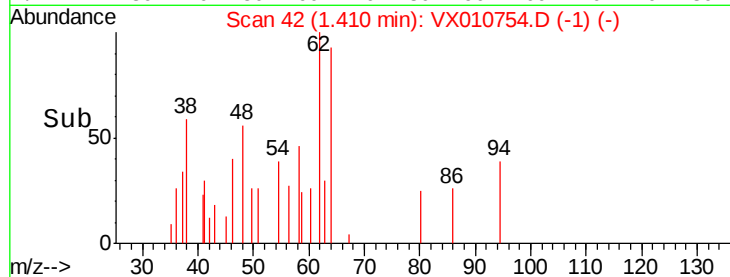
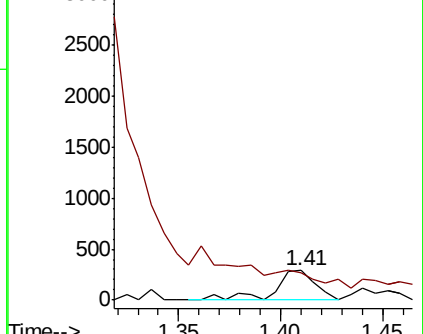
62 100

64 21.5 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.546 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010754.D

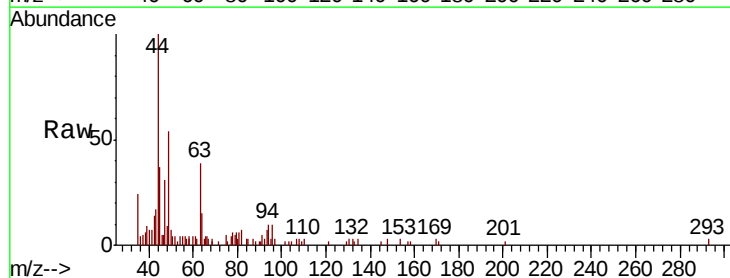
Acq: 09 Jul 2019 16:34

Tgt Ion: 94 Resp: 477

Ion Ratio Lower Upper

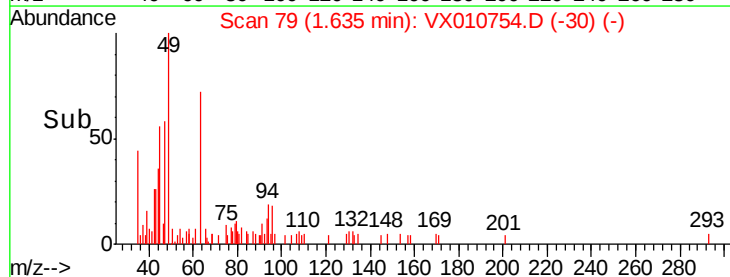
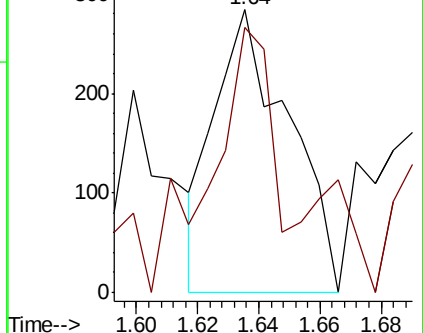
94 100

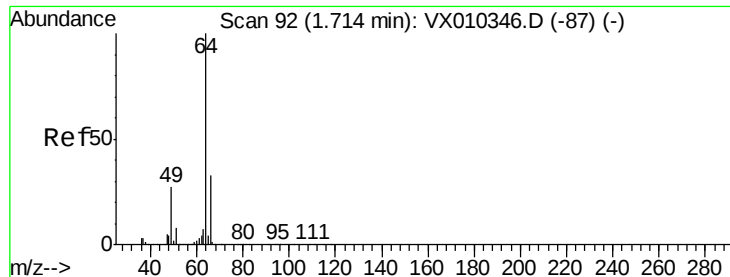
96 70.1 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.400 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

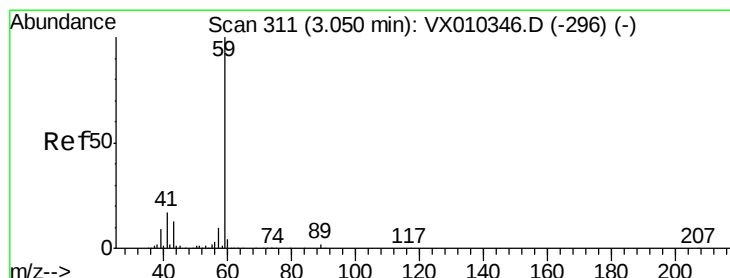
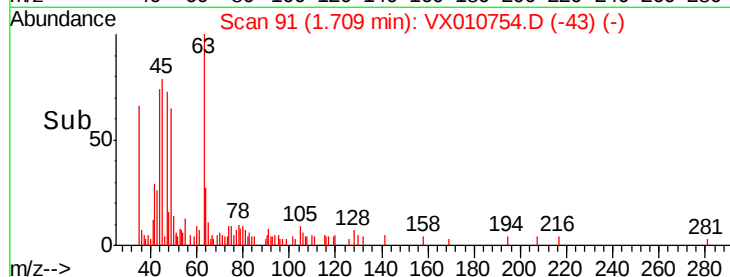
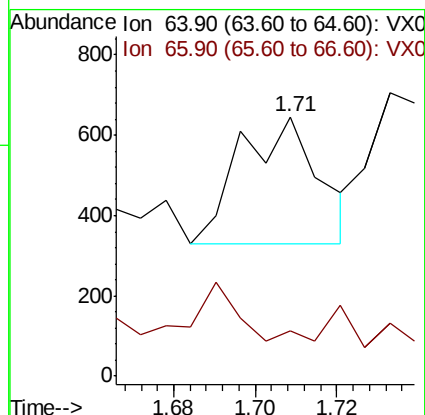
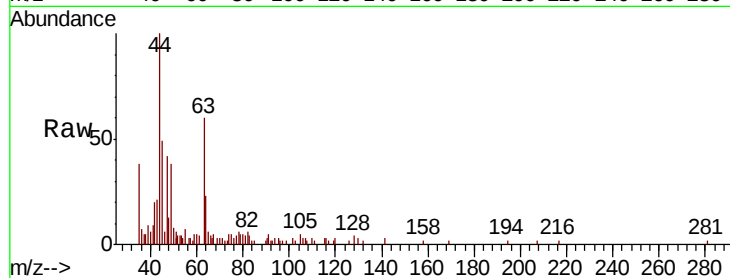
FL-0588DL

Tot Ion: 64 Resp: 423

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#11

Tert butyl alcohol

Concen: 2.045 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010754.D

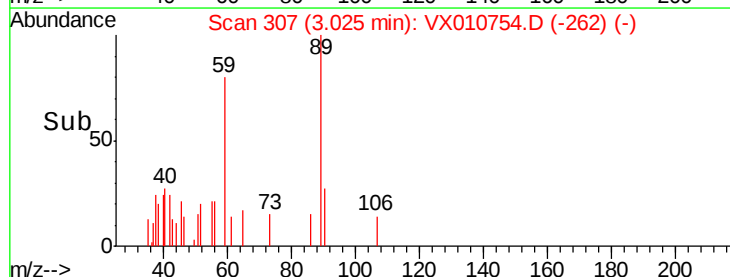
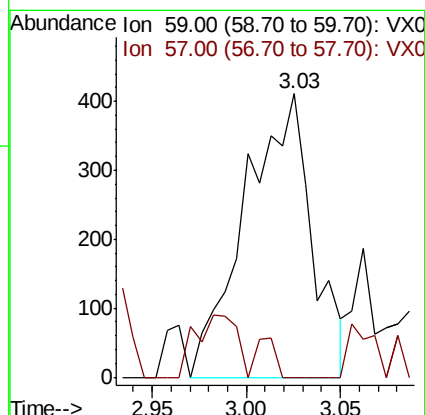
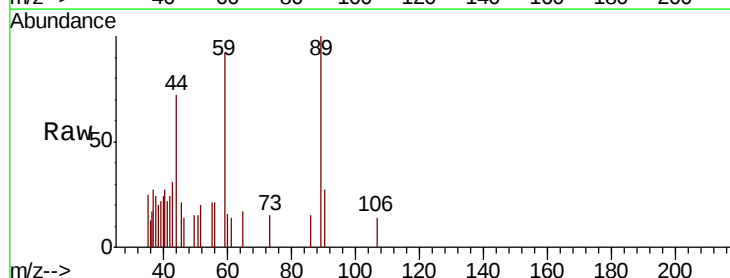
Acq: 09 Jul 2019 16:34

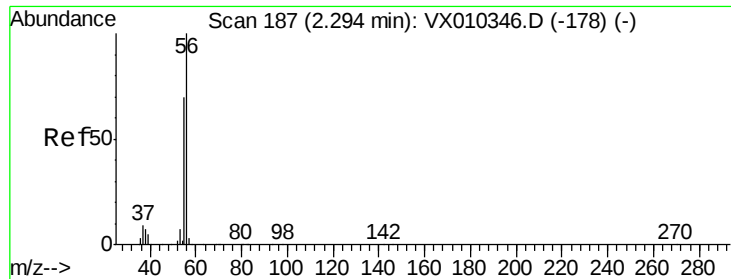
Tgt Ion: 59 Resp: 1015

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#13

Acrolein

Concen: 0.984 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleID :

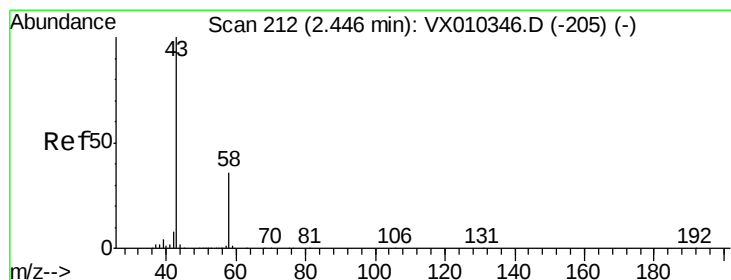
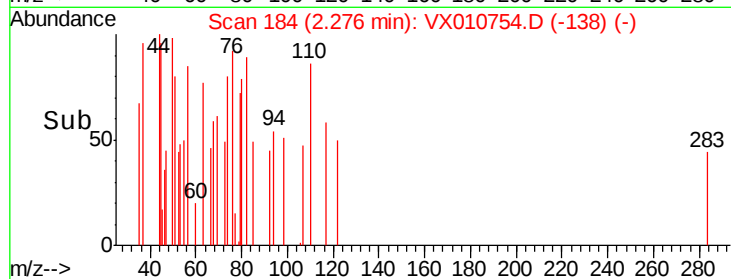
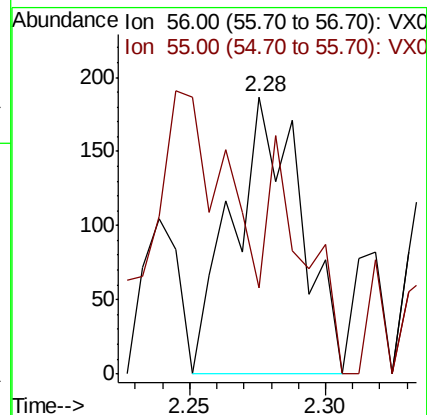
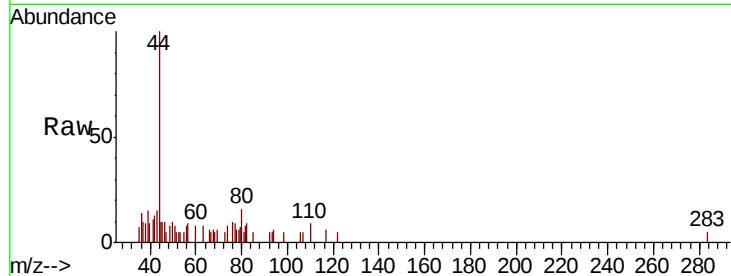
FL-0588DL

Tot Ion: 56 Resp: 324

Ion Ratio Lower Upper

56 100

55 45.4 56.9 85.3#



#16

Acetone

Concen: 1.357 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010754.D

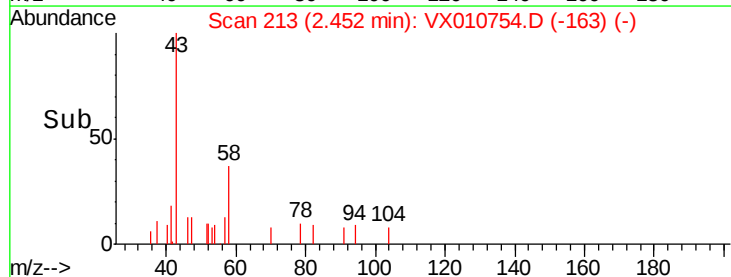
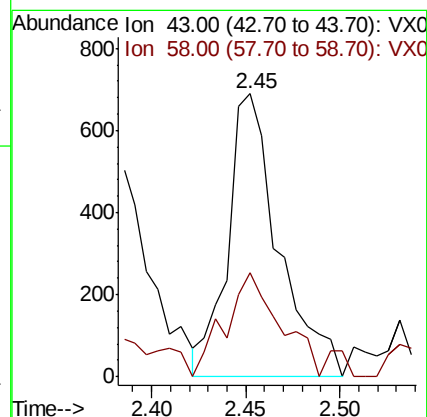
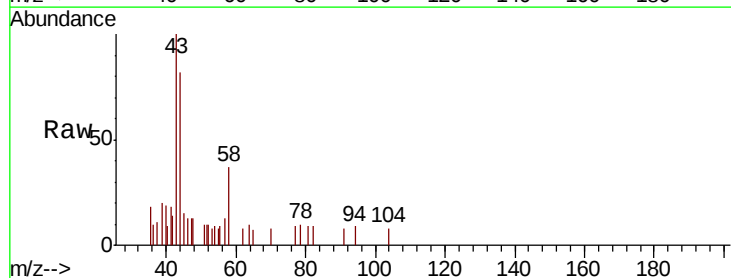
Acq: 09 Jul 2019 16:34

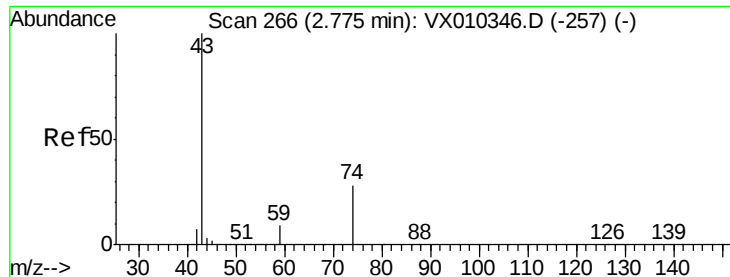
Tgt Ion: 43 Resp: 1290

Ion Ratio Lower Upper

43 100

58 36.6 28.9 43.3





#18

Methyl Acetate

Concen: 1.163 ug/l

RT: 2.84 min Scan# 276

Delta R.T. 0.06 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

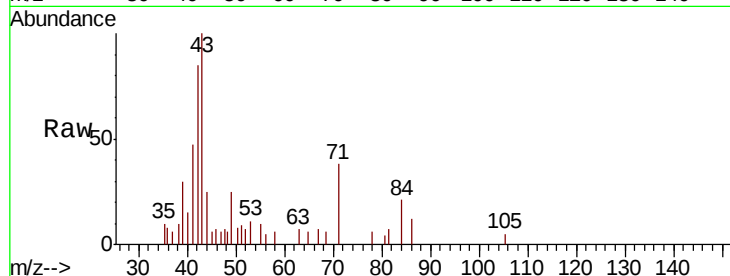
FL-0588DL

Tot Ion: 43 Resp: 2204

Ion Ratio Lower Upper

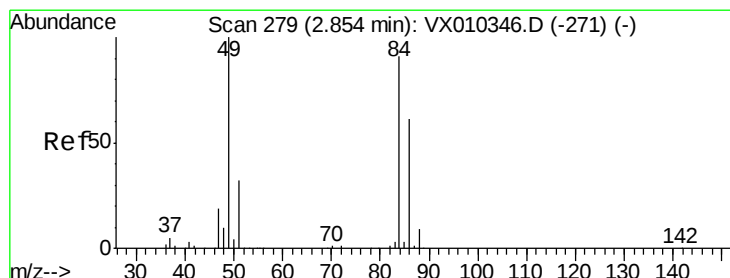
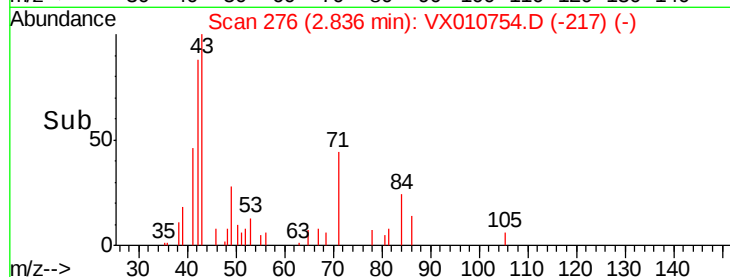
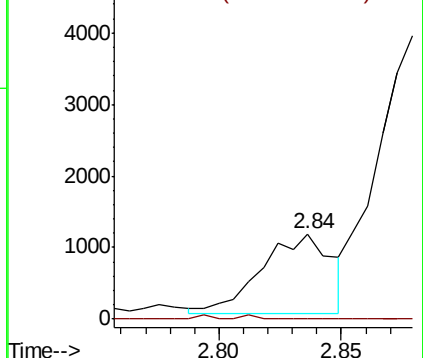
43 100

74 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.545 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Tgt Ion: 84 Resp: 1067

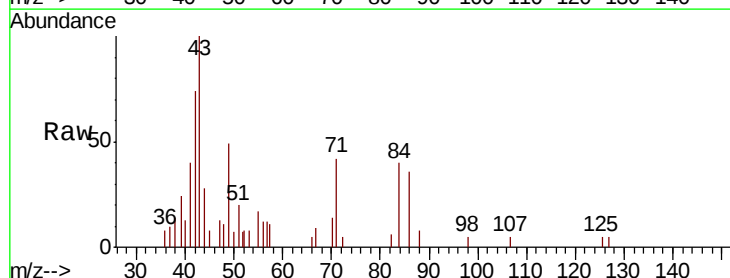
Ion Ratio Lower Upper

84 100

49 123.7 87.5 131.3

51 35.9 27.7 41.5

86 91.5 53.4 80.0#

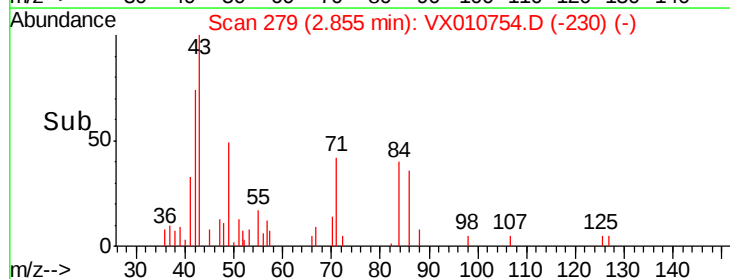
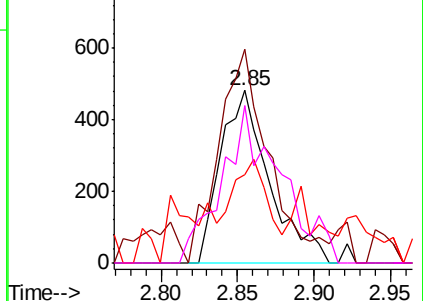


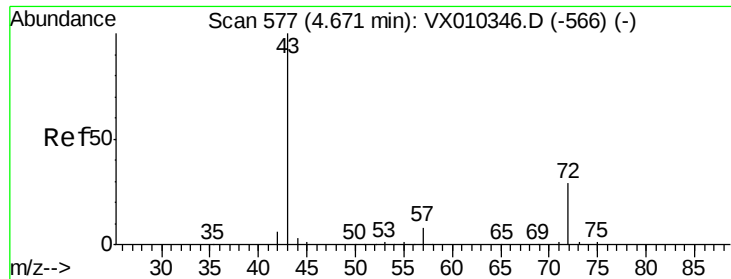
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.275 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleID :

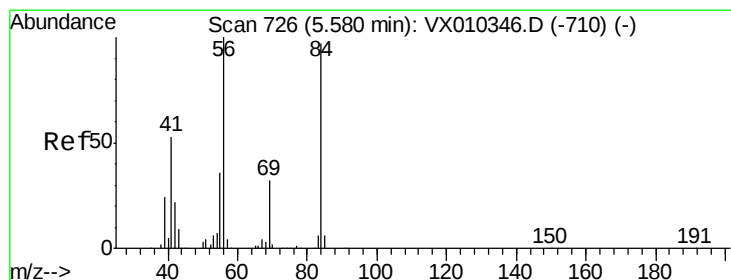
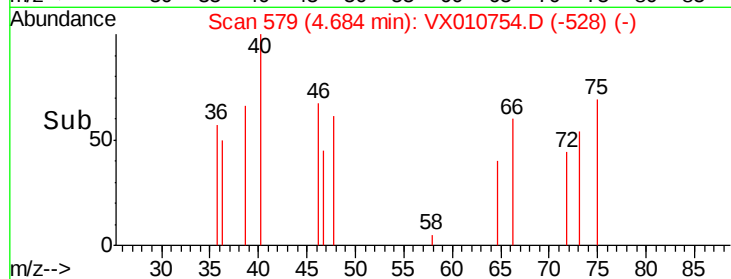
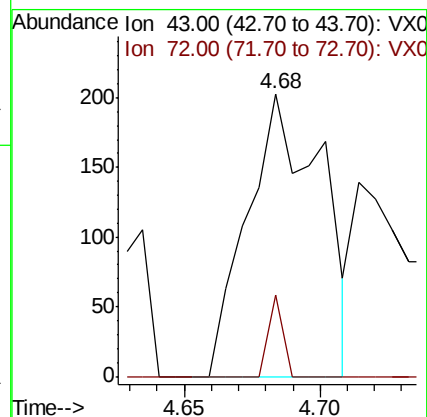
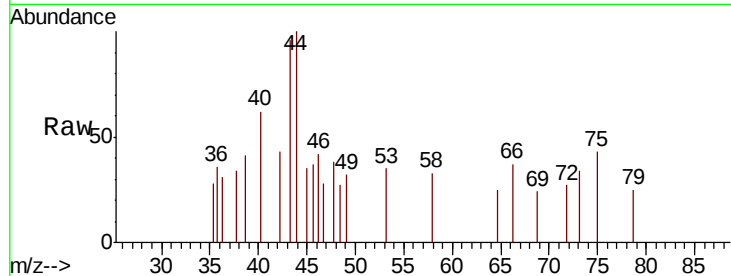
FL-0588DL

Tot Ion: 43 Resp: 383

Ion Ratio Lower Upper

43 100

72 28.6 23.3 34.9



#31

Cyclohexane

Concen: 4.791 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

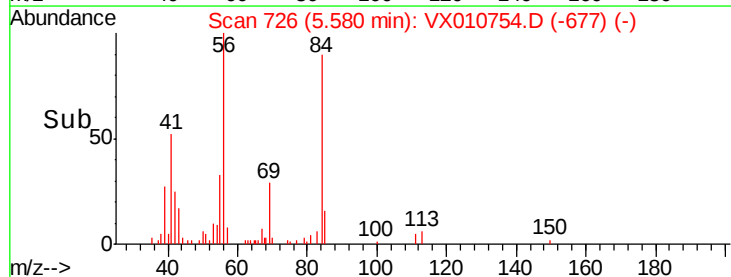
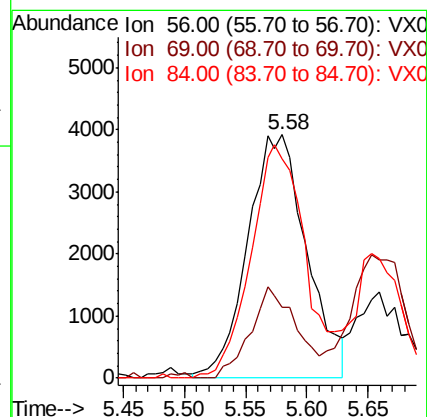
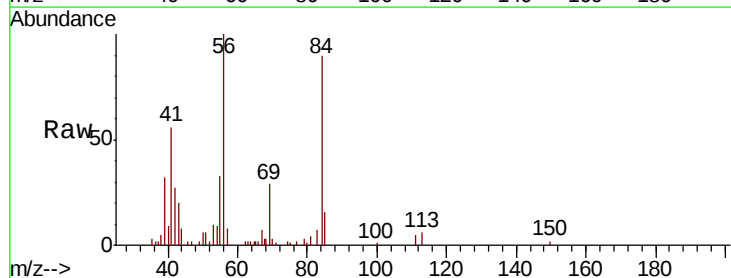
Tgt Ion: 56 Resp: 13128

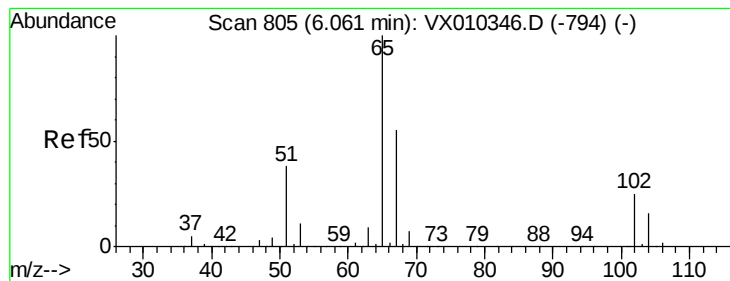
Ion Ratio Lower Upper

56 100

69 29.5 25.9 38.9

84 91.6 78.0 117.0





#33

1,2-Dichloroethane-d4

Concen: 53.059 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

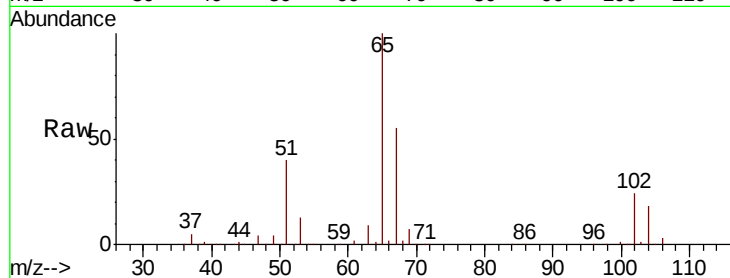
FL-0588DL

Tot Ion: 65 Resp: 100660

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

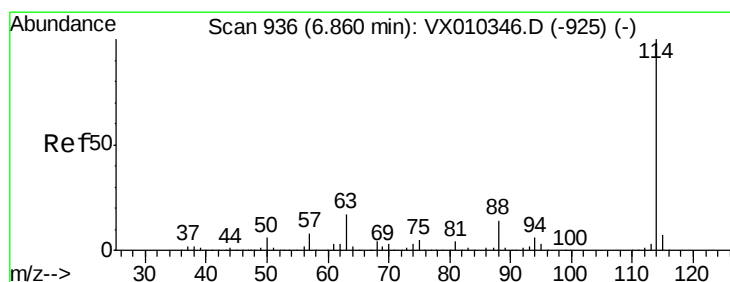
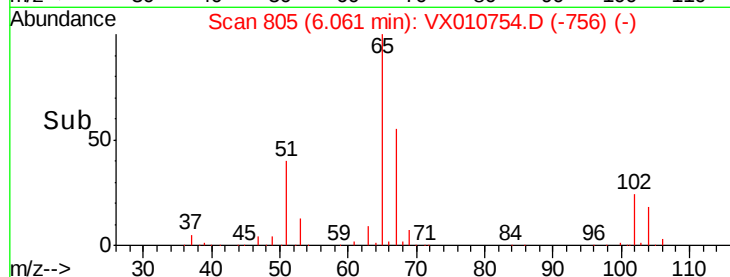
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

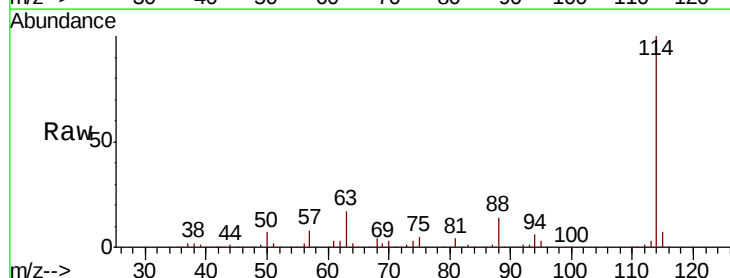
Tgt Ion: 114 Resp: 315320

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.8

88 14.3 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

150000

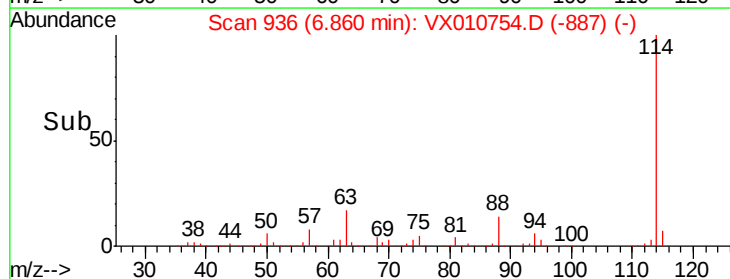
100000

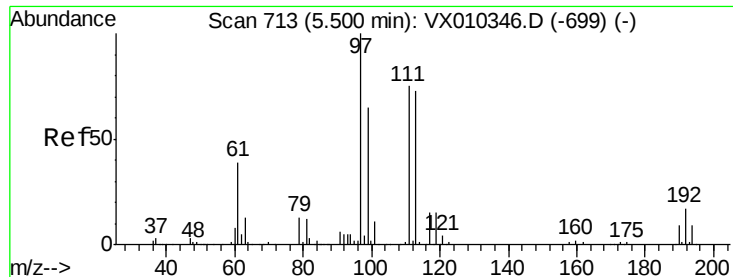
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.963 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

FL-0588DL

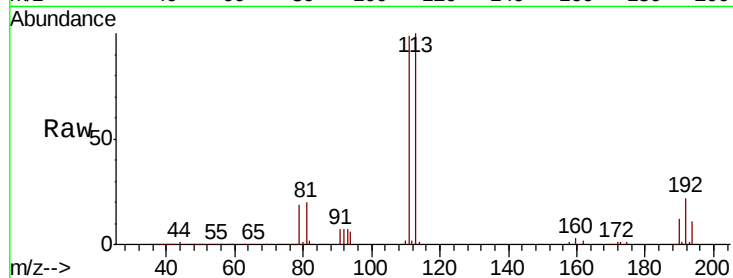
Tot Ion:113 Resp: 94462

Ion Ratio Lower Upper

113 100

111 101.5 81.2 121.8

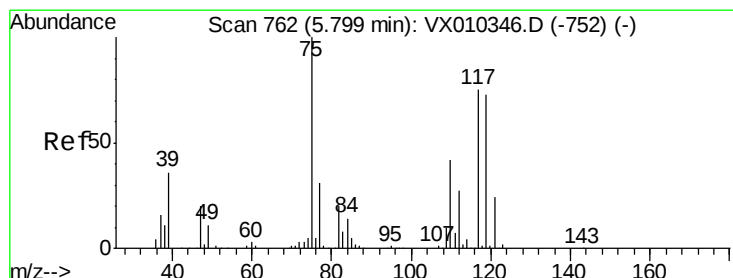
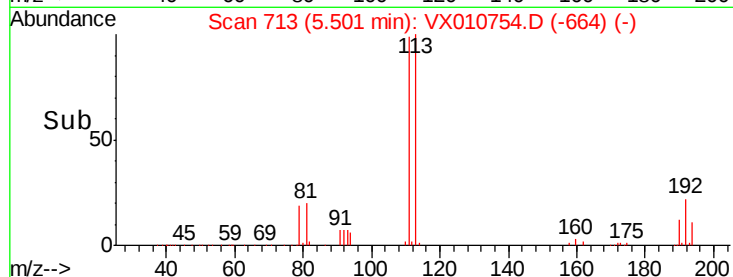
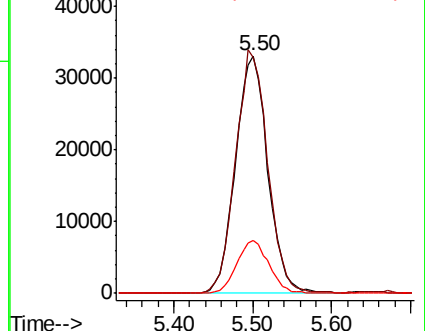
192 22.1 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.283 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

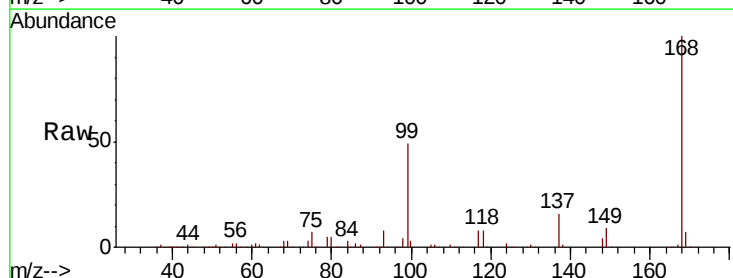
Tgt Ion: 75 Resp: 13238

Ion Ratio Lower Upper

75 100

110 11.7 20.8 62.2#

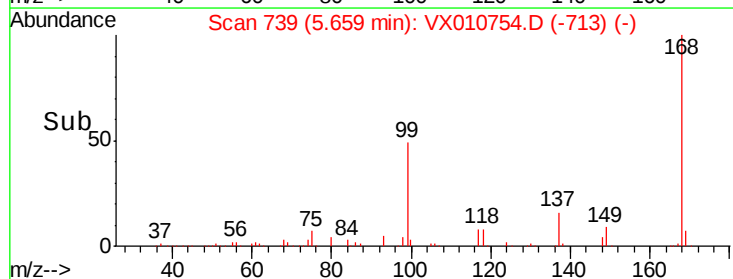
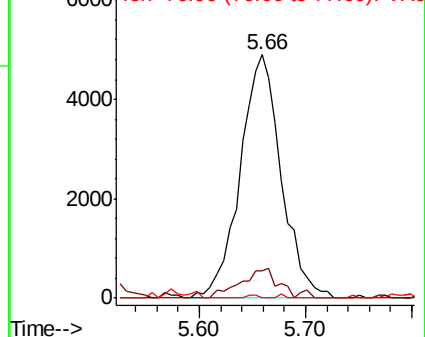
77 0.4 25.4 38.0#

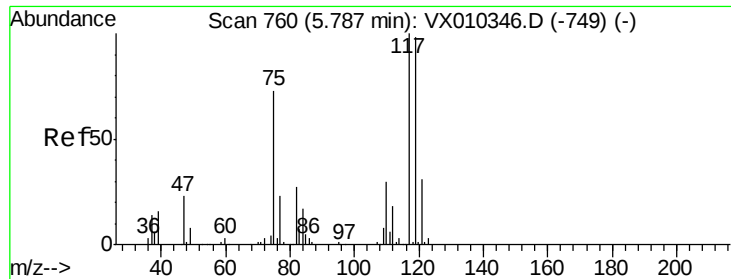


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.549 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

FL-0588DL

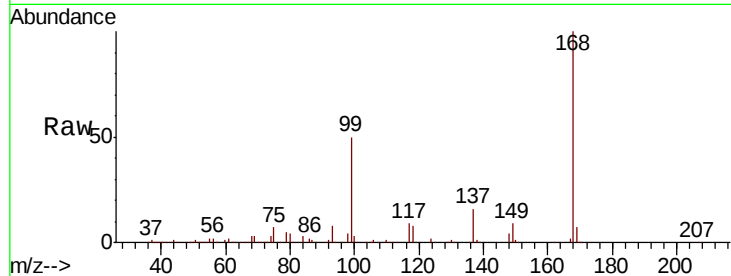
Tot Ion:117 Resp: 17769

Ion Ratio Lower Upper

117 100

119 2.8 78.2 117.4#

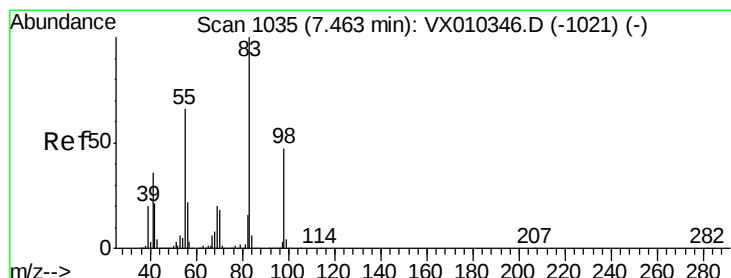
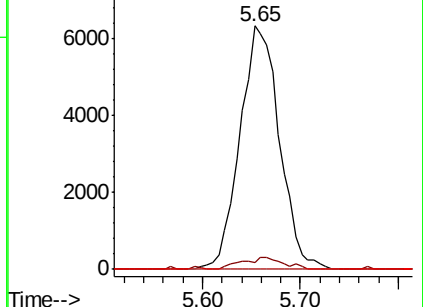
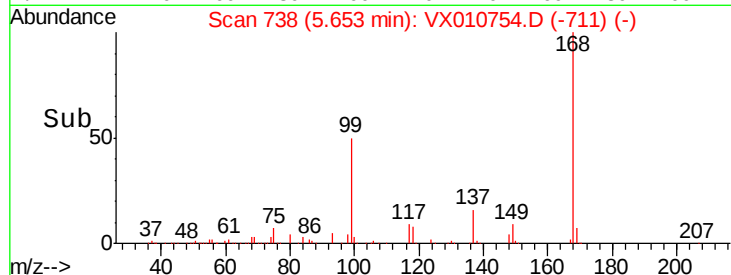
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 6.843 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

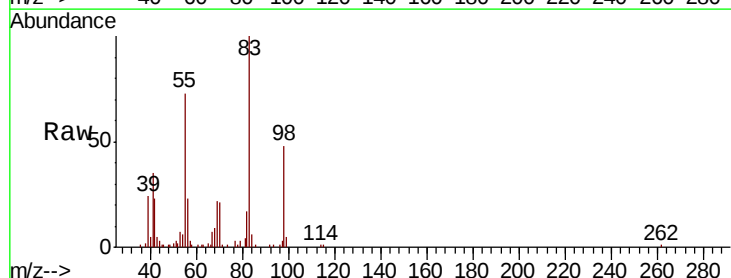
Tgt Ion: 83 Resp: 22538

Ion Ratio Lower Upper

83 100

55 71.8 53.0 79.6

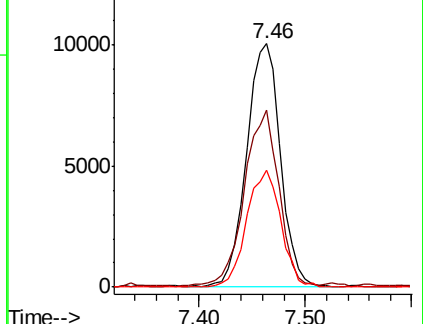
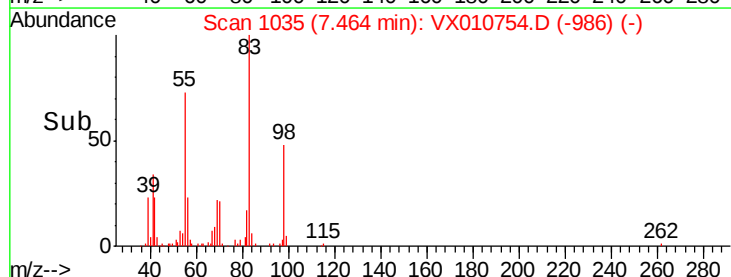
98 48.2 37.8 56.8

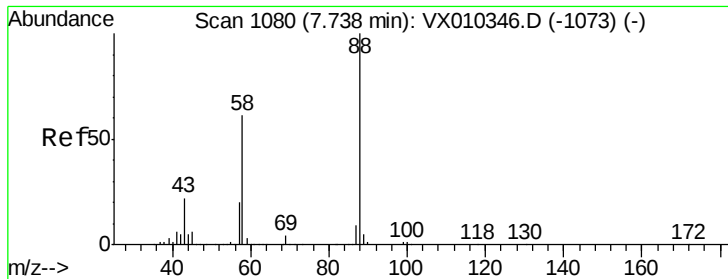


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

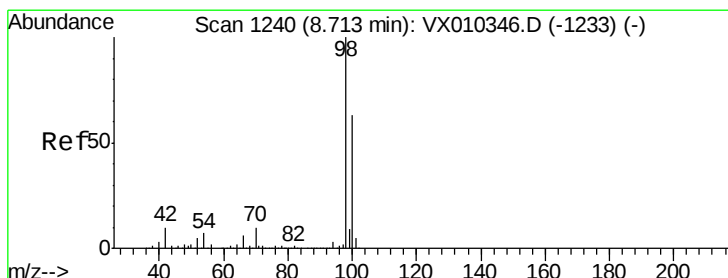
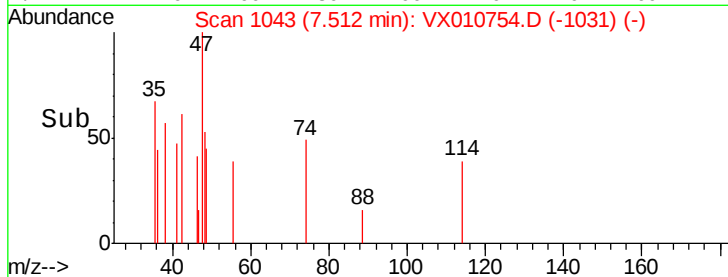
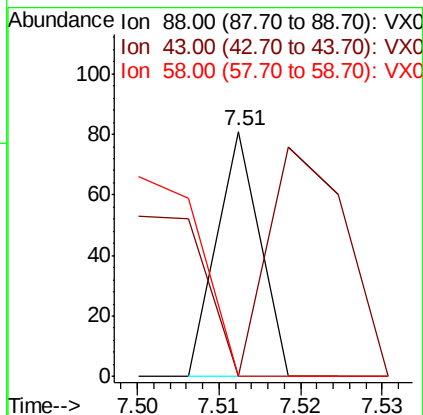
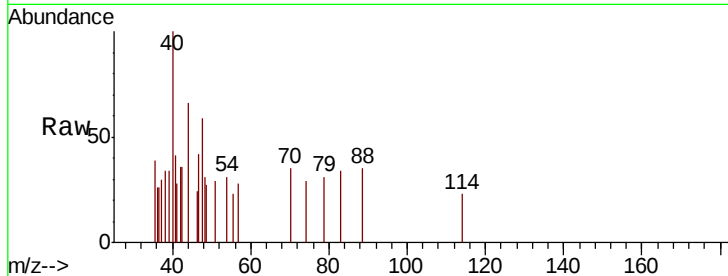




#49
1,4-Dioxane
Concen: 0.525 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.23 min
Lab File: VX010754.D
Acq: 09 Jul 2019 16:34

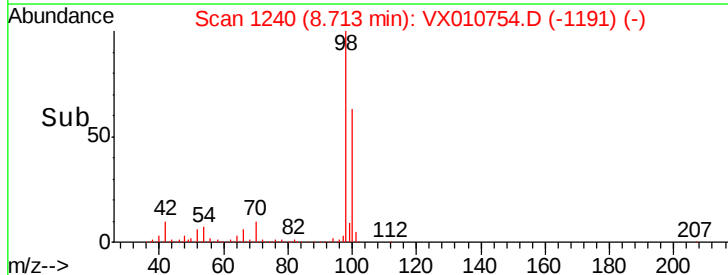
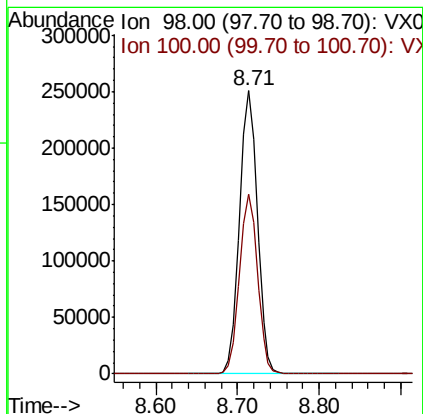
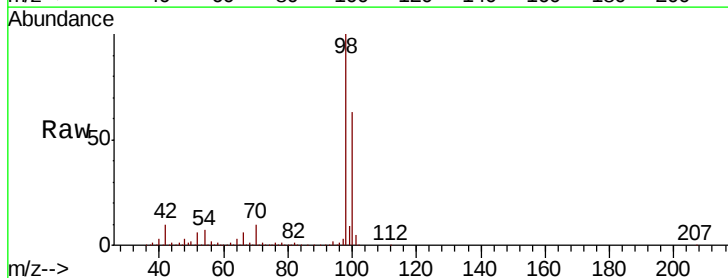
Instrument :
MSVOA_X
ClientSampled :
FL-0588DL

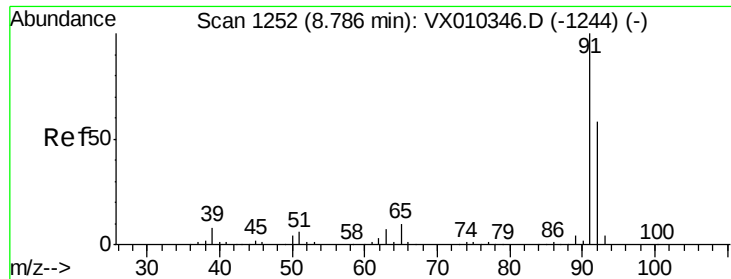
Tot Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 166.7 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 51.295 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010754.D
Acq: 09 Jul 2019 16:34

Tgt Ion: 98 Resp: 378601
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4





#52

Toluene

Concen: 0.263 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

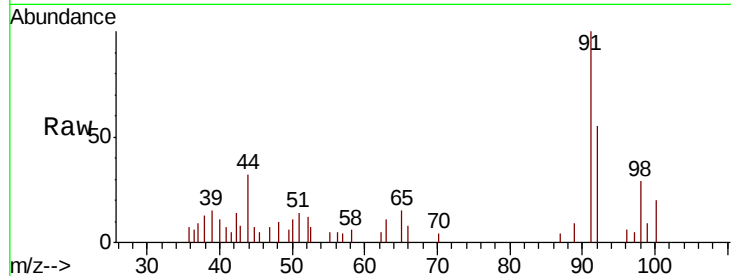
FL-0588DL

Tot Ion: 92 Resp: 1352

Ion Ratio Lower Upper

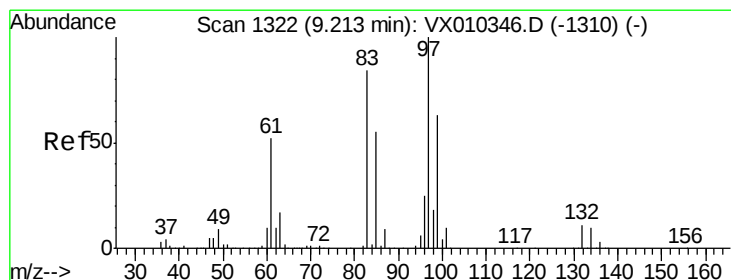
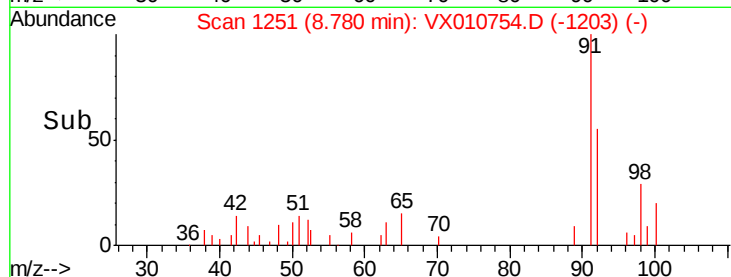
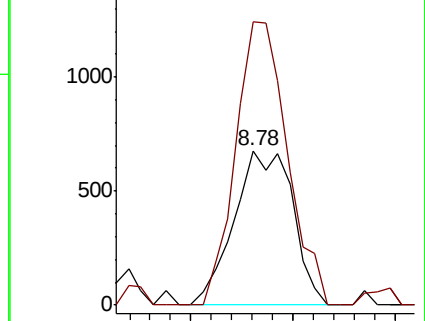
92 100

91 161.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.806 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Tgt Ion: 97 Resp: 1709

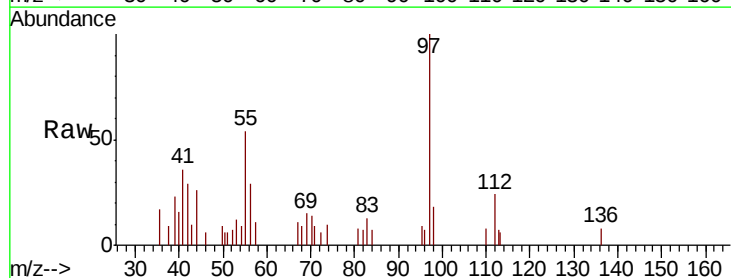
Ion Ratio Lower Upper

97 100

83 13.3 67.4 101.0#

85 0.0 43.8 65.8#

99 0.0 50.3 75.5#

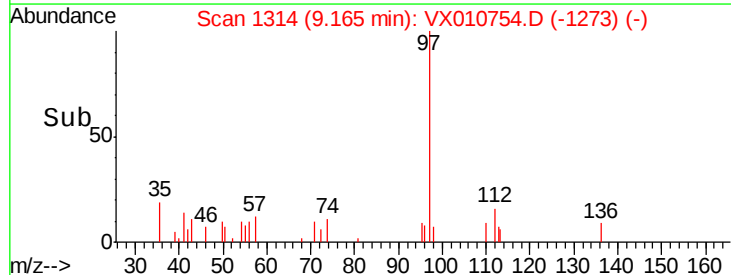
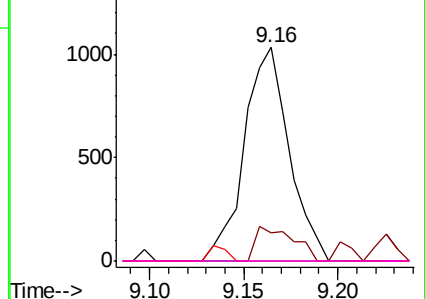


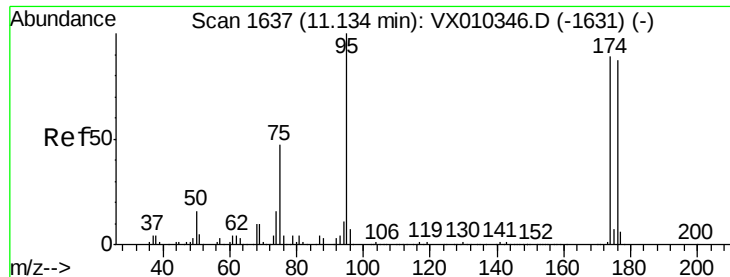
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#62

4-Bromofluorobenzene

Concen: 52.005 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

FL-0588DL

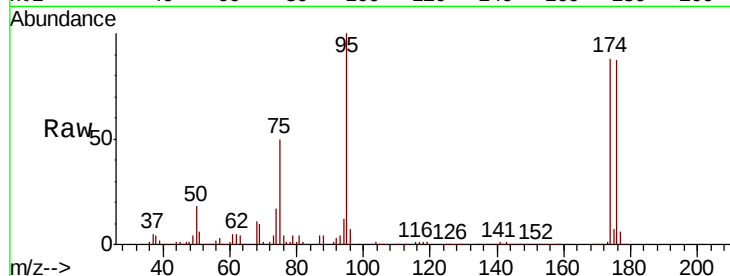
Tot Ion: 95 Resp: 138579

Ion Ratio Lower Upper

95 100

174 93.2 0.0 187.6

176 91.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)

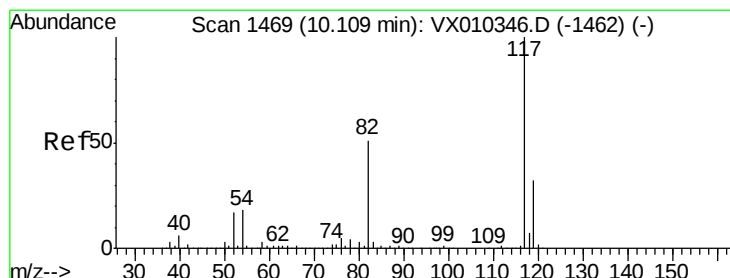
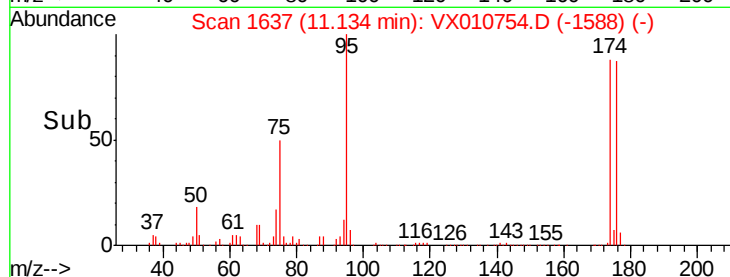
11.13

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

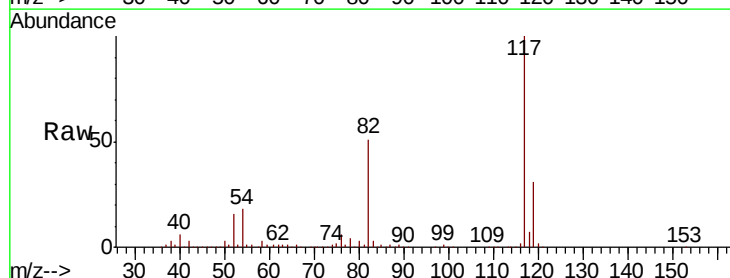
Tgt Ion: 117 Resp: 298054

Ion Ratio Lower Upper

117 100

82 50.6 41.2 61.8

119 30.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

10.11

300000

250000

200000

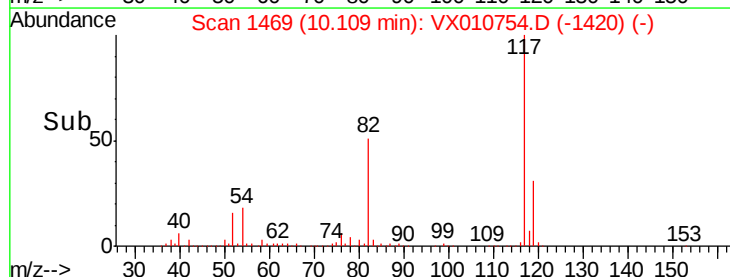
150000

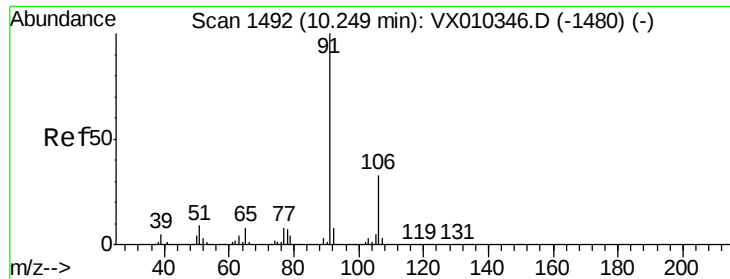
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 29.403 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

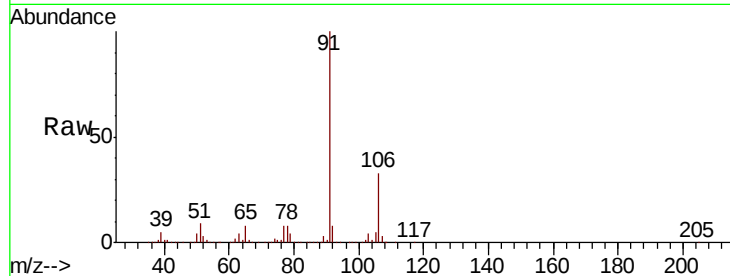
FL-0588DL

Tot Ion: 91 Resp: 300362

Ion Ratio Lower Upper

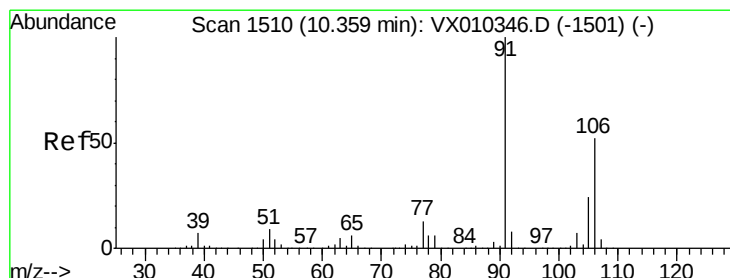
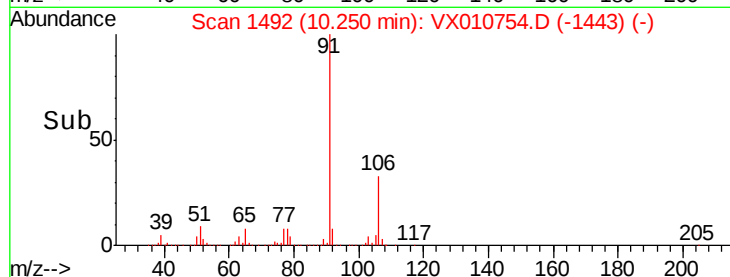
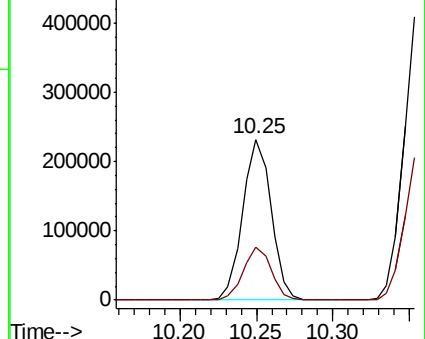
91 100

106 32.7 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 73.189 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010754.D

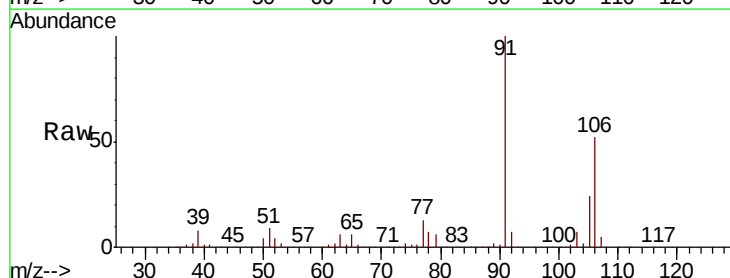
Acq: 09 Jul 2019 16:34

Tgt Ion: 106 Resp: 289700

Ion Ratio Lower Upper

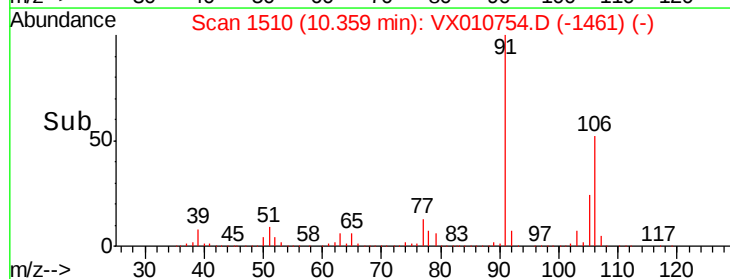
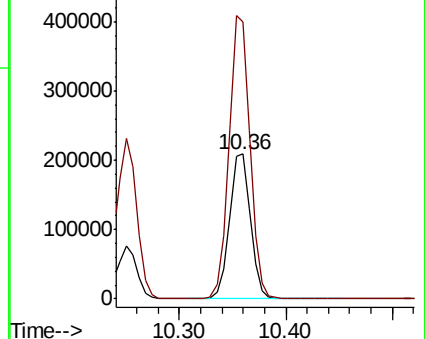
106 100

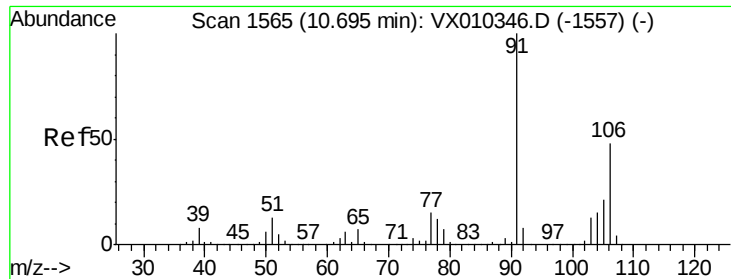
91 194.7 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

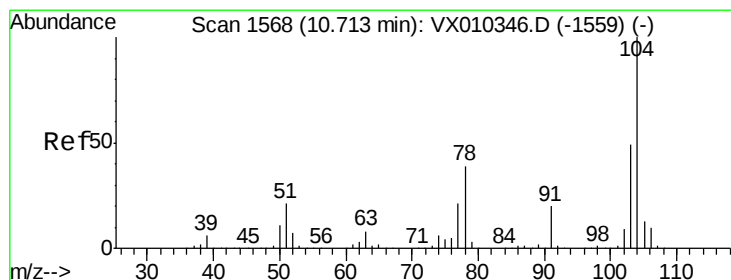
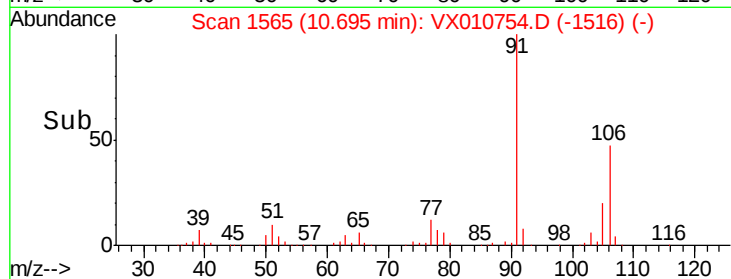
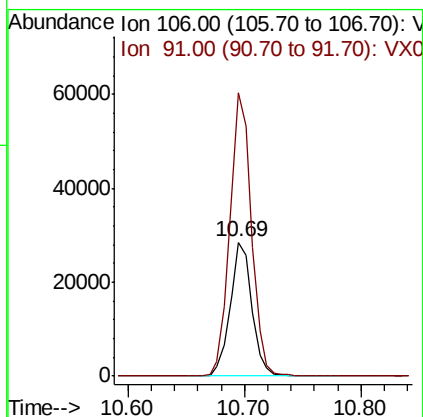
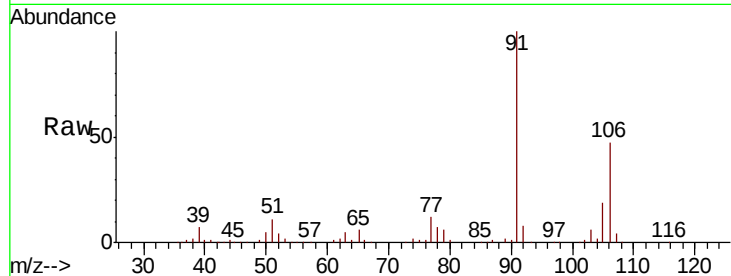




#69
o-Xylene
Concen: 9.526 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010754.D
Acq: 09 Jul 2019 16:34

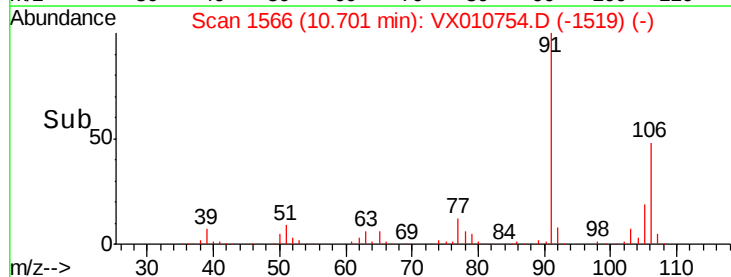
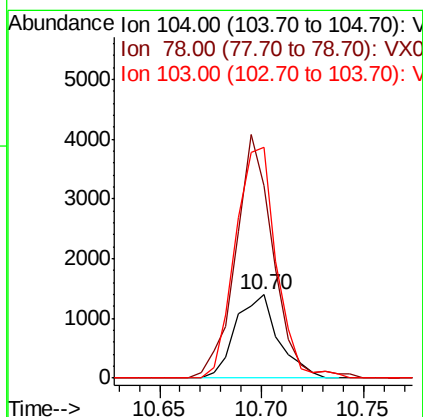
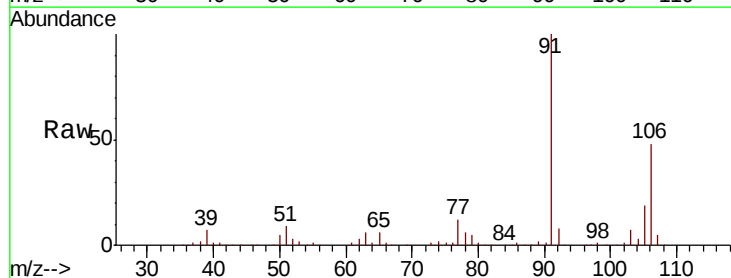
Instrument :
MSVOA_X
ClientSampleID :
FL-0588DL

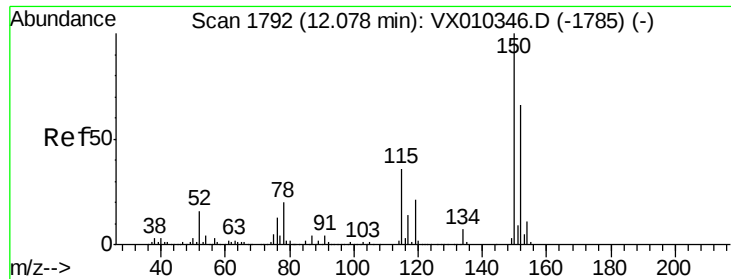
Tot Ion:106 Resp: 37082
Ion Ratio Lower Upper
106 100
91 210.0 102.7 308.1



#70
Styrene
Concen: 0.311 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX010754.D
Acq: 09 Jul 2019 16:34

Tgt Ion:104 Resp: 2028
Ion Ratio Lower Upper
104 100
78 255.9 36.2 54.2#
103 266.0 44.2 66.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

FL-0588DL

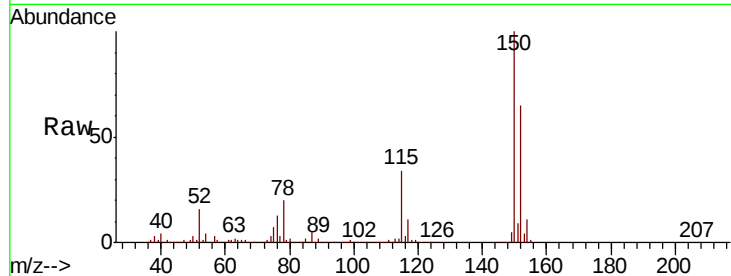
Tot Ion:152 Resp: 154961

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

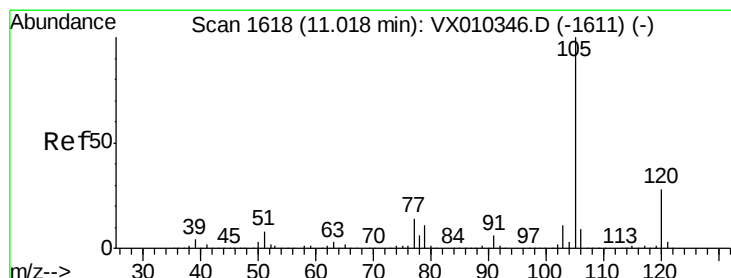
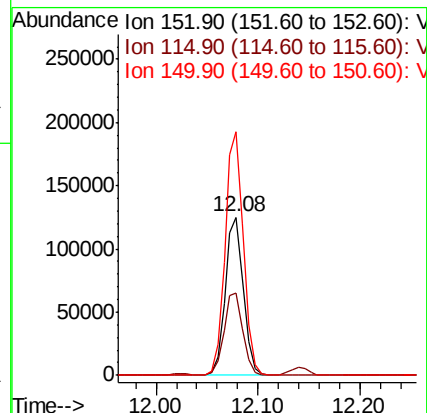
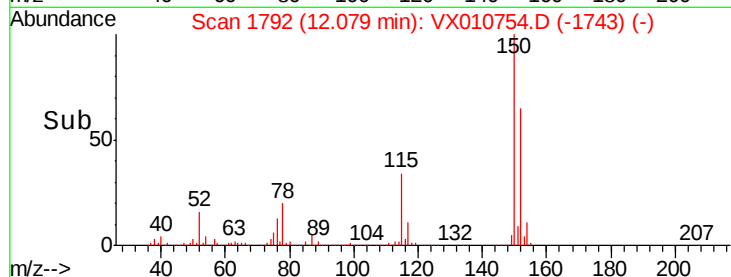
150 154.8 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.570 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010754.D

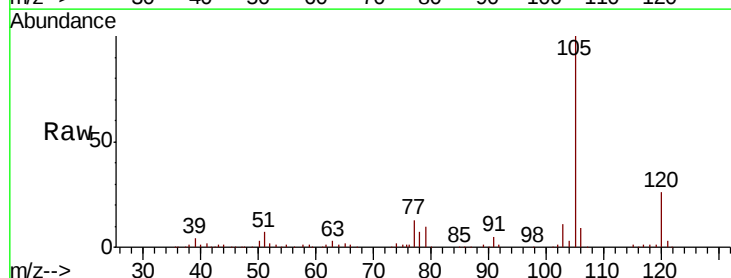
Acq: 09 Jul 2019 16:34

Tgt Ion:105 Resp: 37505

Ion Ratio Lower Upper

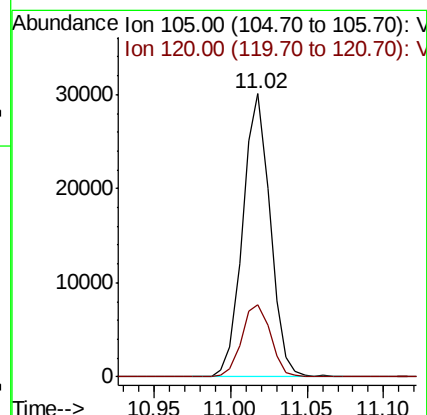
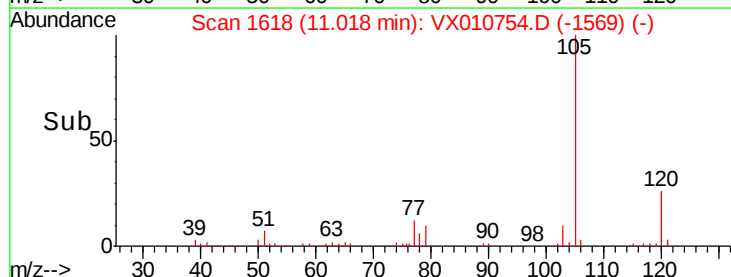
105 100

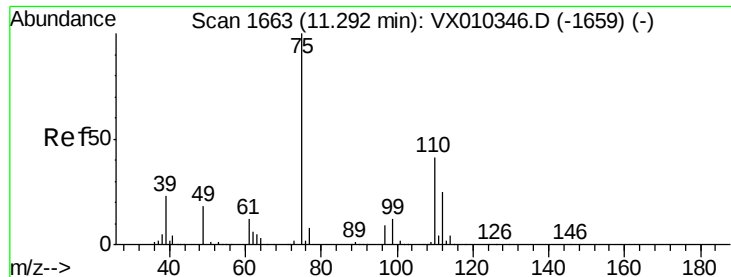
120 27.0 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 24.288 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

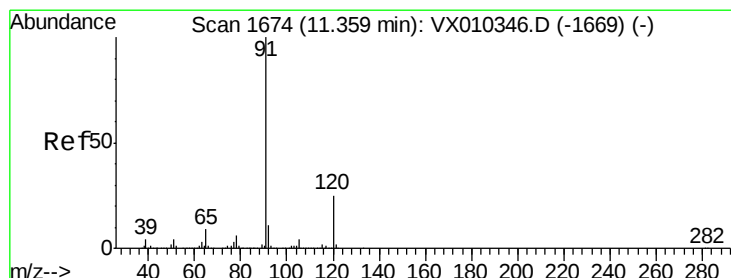
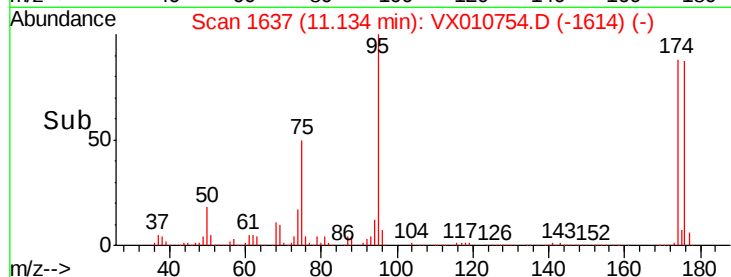
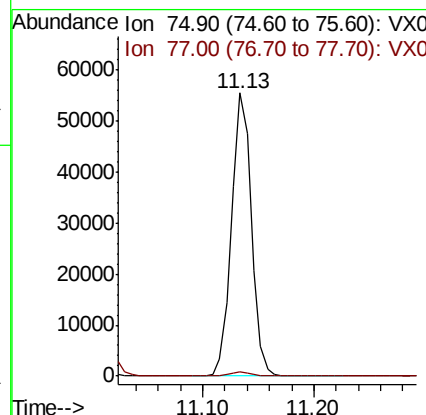
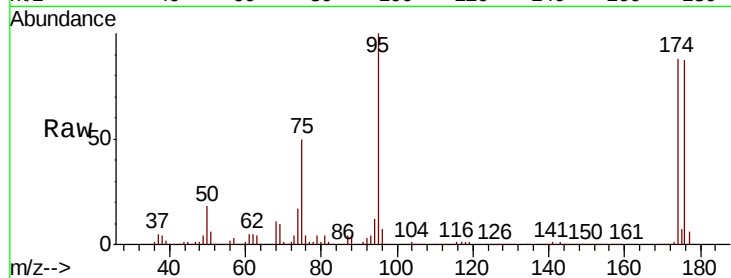
FL-0588DL

Tot Ion: 75 Resp: 68583

Ion Ratio Lower Upper

75 100

77 1.4 22.6 67.8#



#78

n-propylbenzene

Concen: 5.971 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010754.D

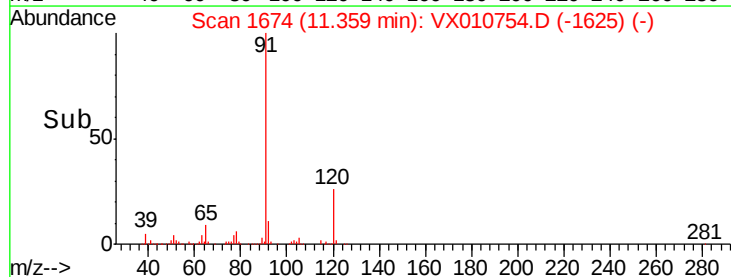
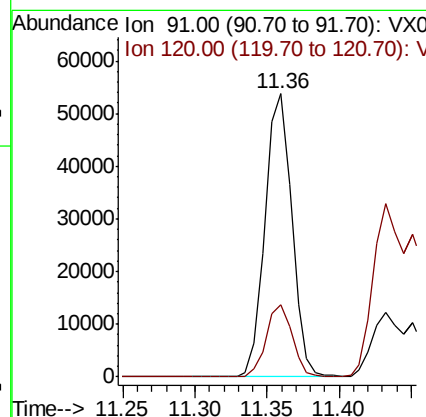
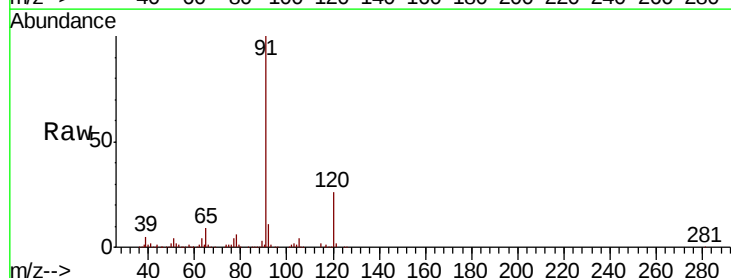
Acq: 09 Jul 2019 16:34

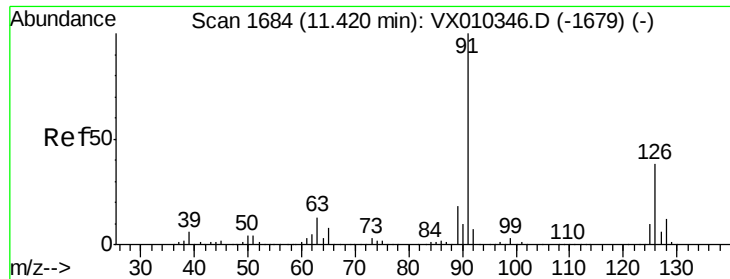
Tgt Ion: 91 Resp: 68932

Ion Ratio Lower Upper

91 100

120 24.9 12.4 37.4





#79

2-Chlorotoluene

Concen: 3.686 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleID :

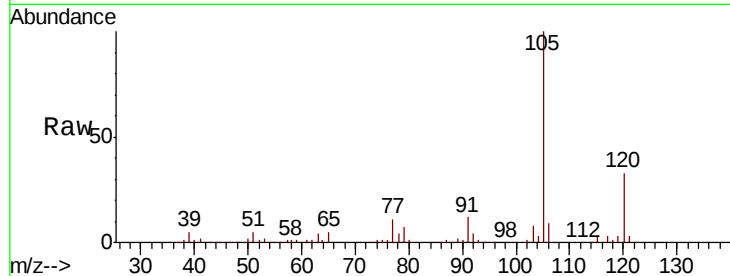
FL-0588DL

Tot Ion: 91 Resp: 25339

Ion Ratio Lower Upper

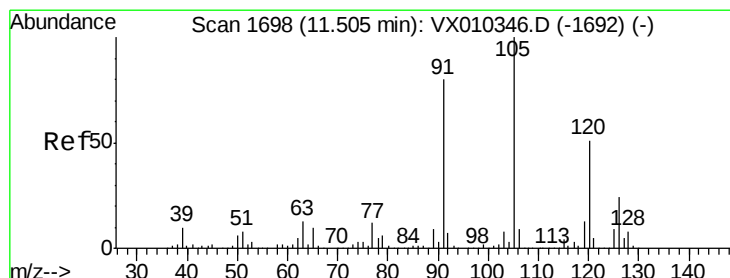
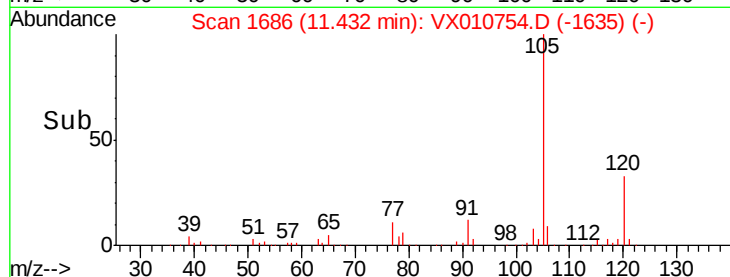
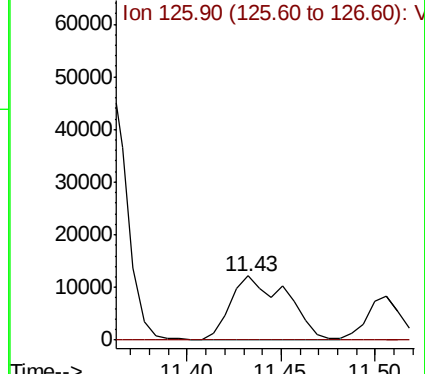
91 100

126 0.1 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 11.341 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010754.D

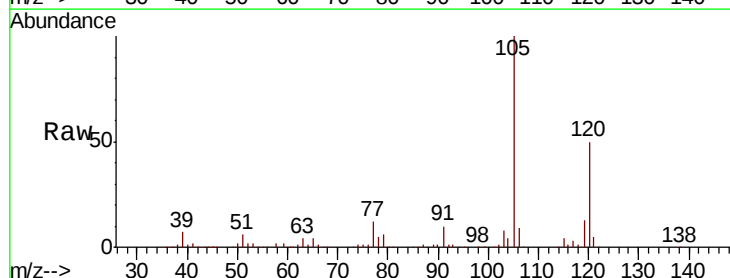
Acq: 09 Jul 2019 16:34

Tgt Ion:105 Resp: 98209

Ion Ratio Lower Upper

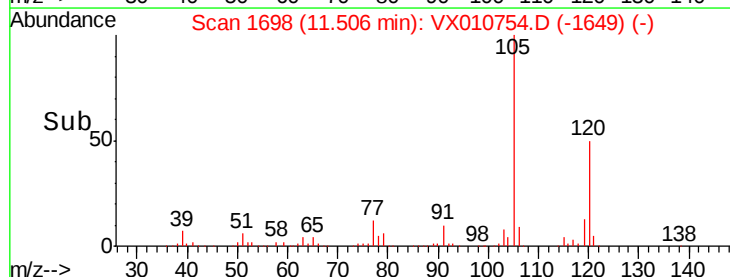
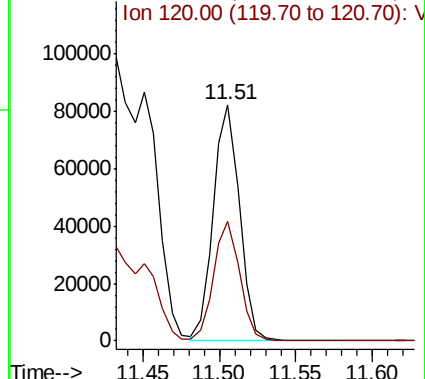
105 100

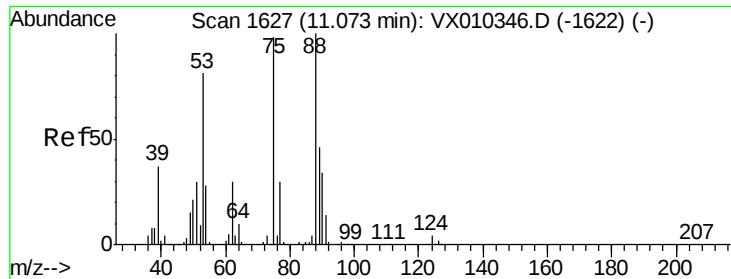
120 50.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 56.660 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

FL-0588DL

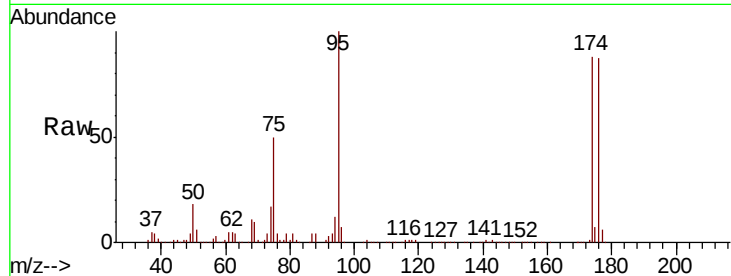
Tot Ion: 75 Resp: 68583

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

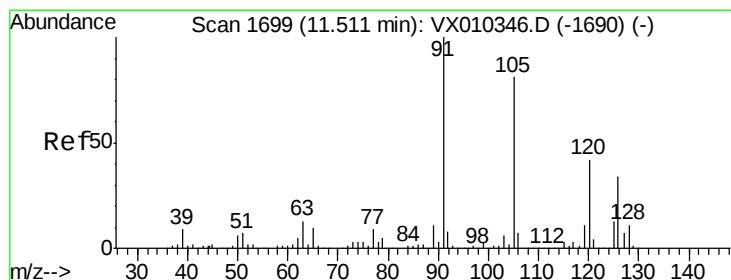
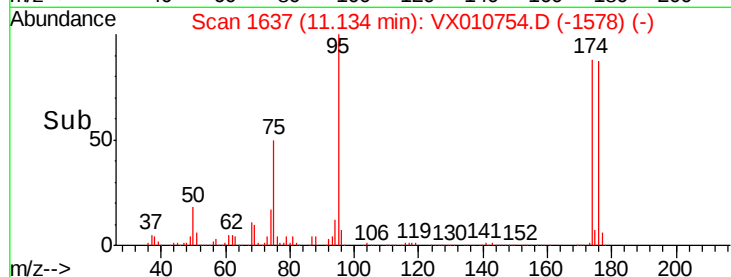
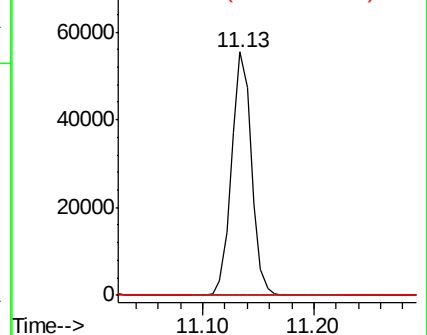
89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.345 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010754.D

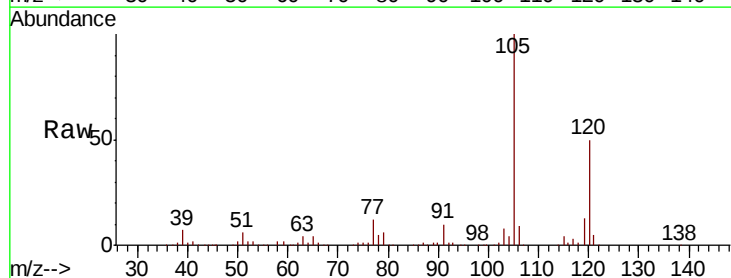
Acq: 09 Jul 2019 16:34

Tgt Ion: 91 Resp: 10524

Ion Ratio Lower Upper

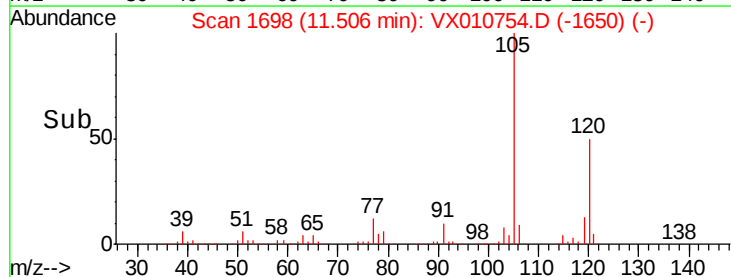
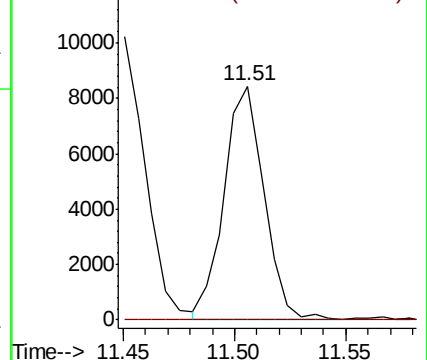
91 100

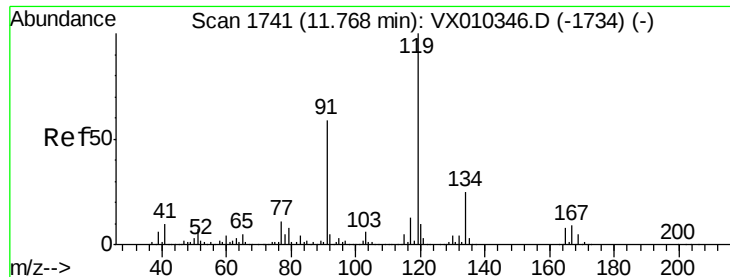
126 0.0 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

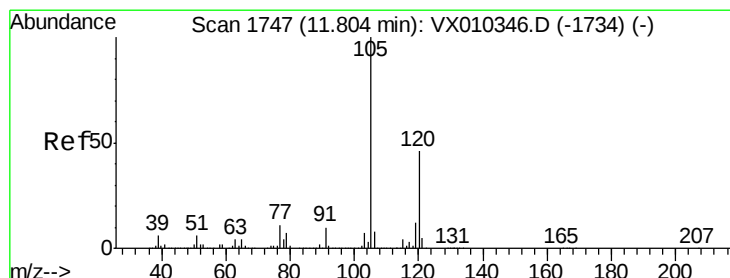
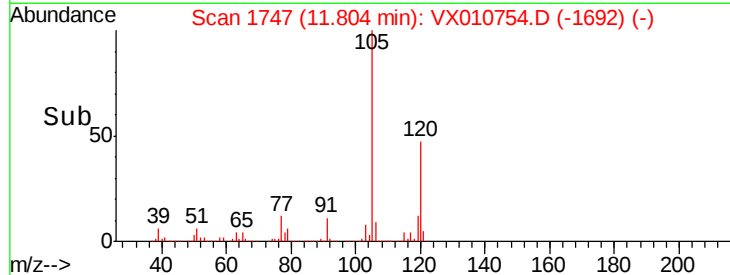
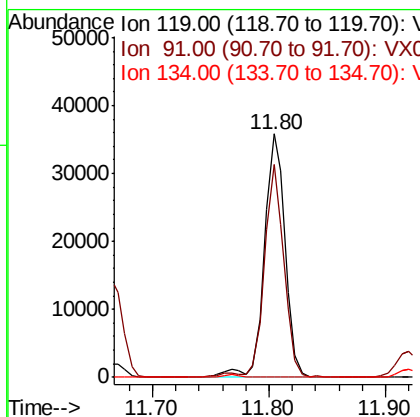
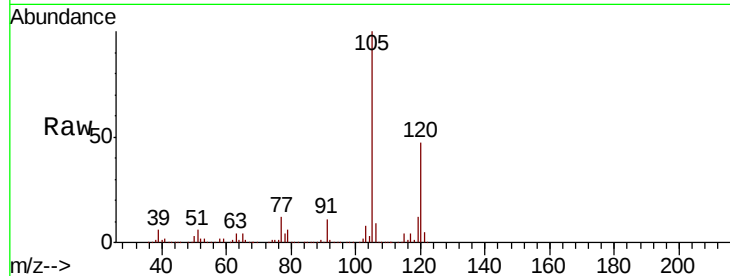




#83
 tert-Butylbenzene
 Concen: 5.117 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.04 min
 Lab File: VX010754.D
 Acq: 09 Jul 2019 16:34

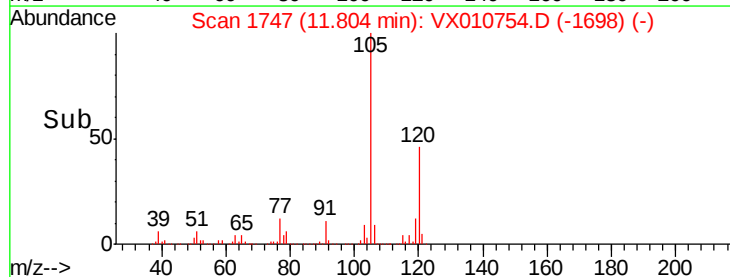
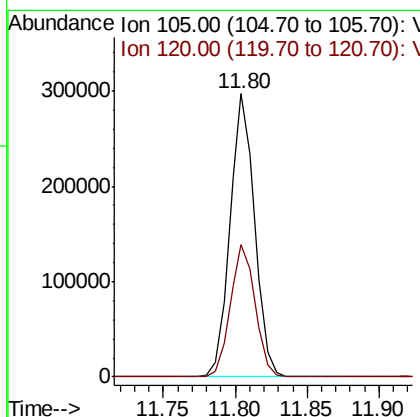
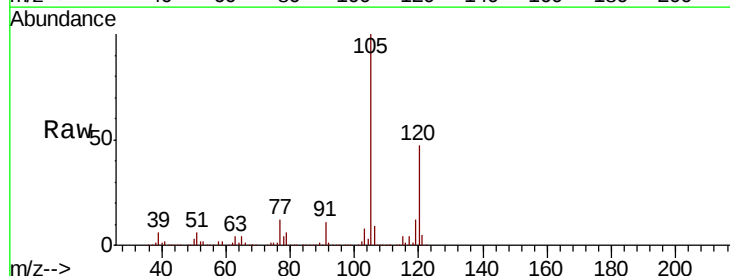
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0588DL

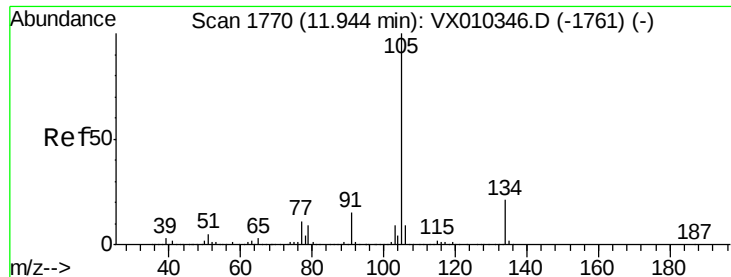
Tot Ion:119 Resp: 44473
 Ion Ratio Lower Upper
 119 100
 91 83.3 27.6 82.7#
 134 0.0 11.8 35.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 40.875 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010754.D
 Acq: 09 Jul 2019 16:34

Tgt Ion:105 Resp: 355626
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.1 69.2

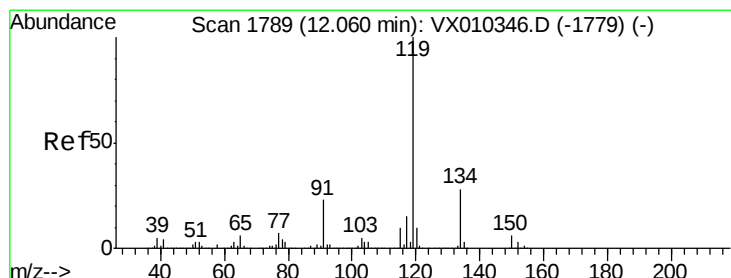
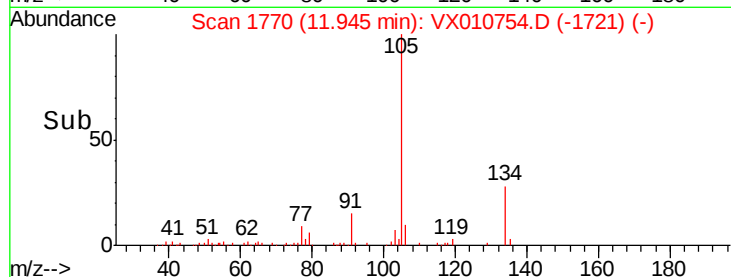
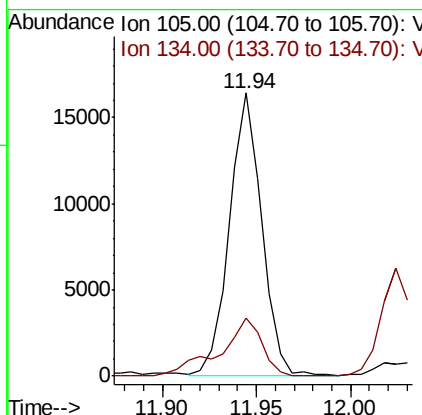
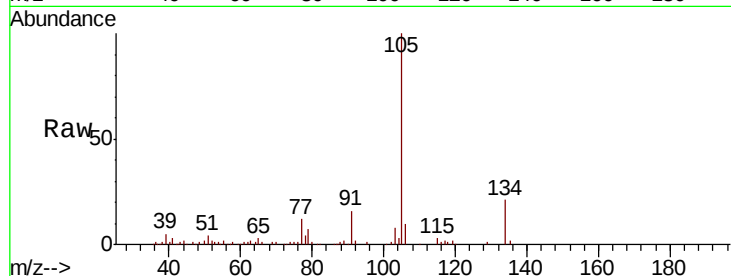




#85
 sec-Butylbenzene
 Concen: 1.916 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010754.D
 Acq: 09 Jul 2019 16:34

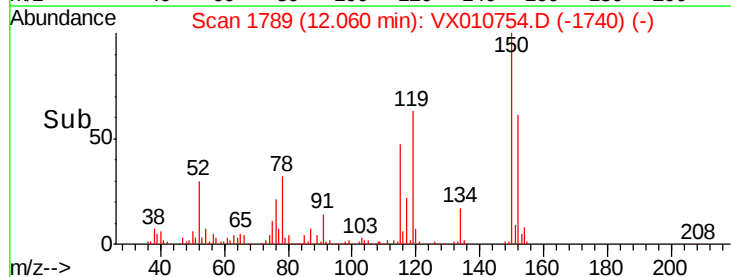
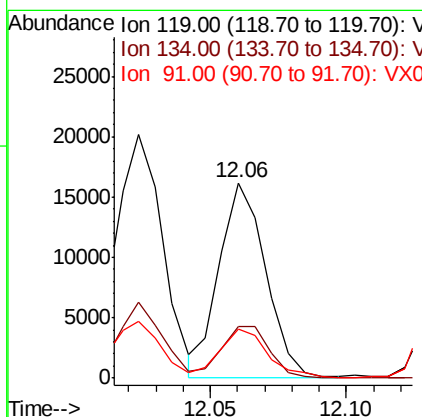
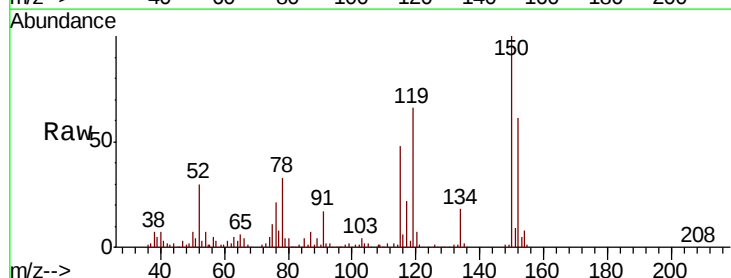
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0588DL

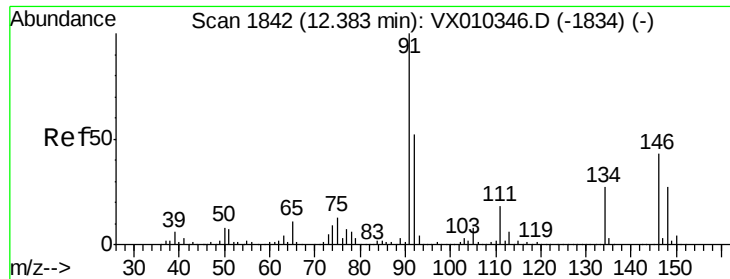
Tot Ion:105 Resp: 19554
 Ion Ratio Lower Upper
 105 100
 134 26.9 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 2.021 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010754.D
 Acq: 09 Jul 2019 16:34

Tgt Ion:119 Resp: 19076
 Ion Ratio Lower Upper
 119 100
 134 28.1 13.7 41.1
 91 26.4 11.3 33.8

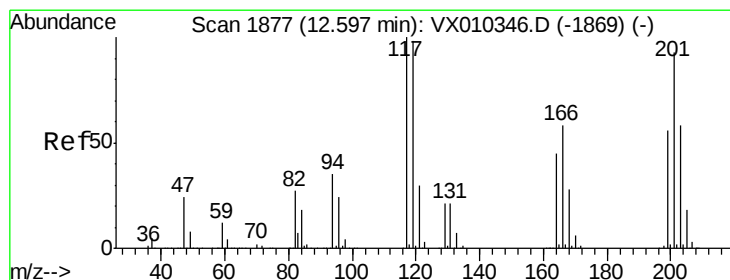
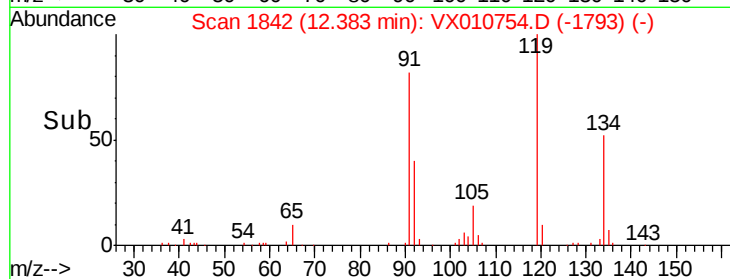
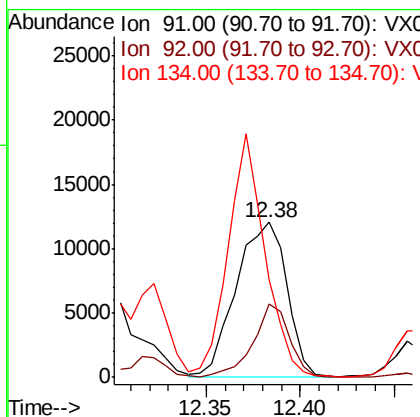
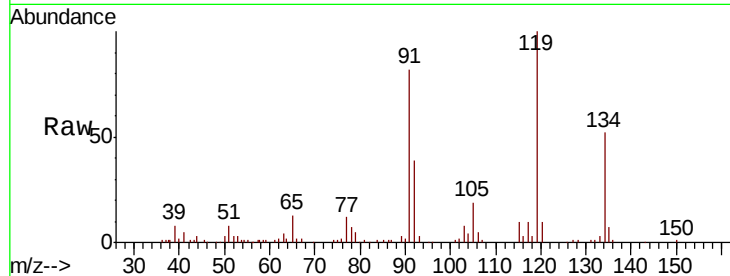




#89
n-Butylbenzene
Concen: 2.765 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010754.D
Acq: 09 Jul 2019 16:34

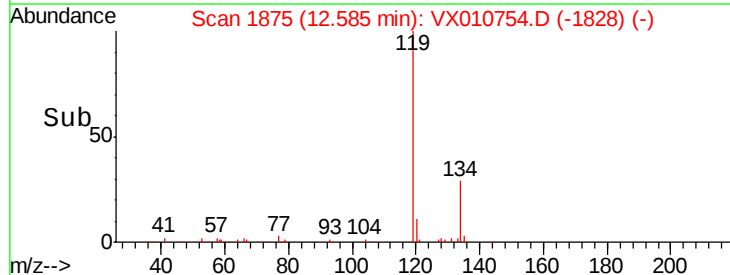
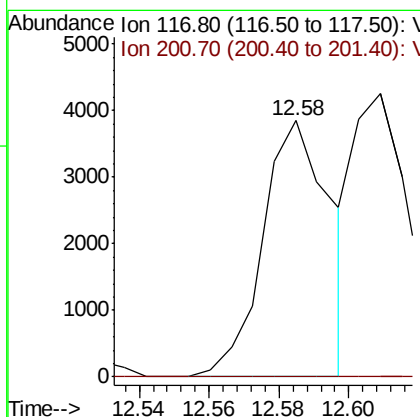
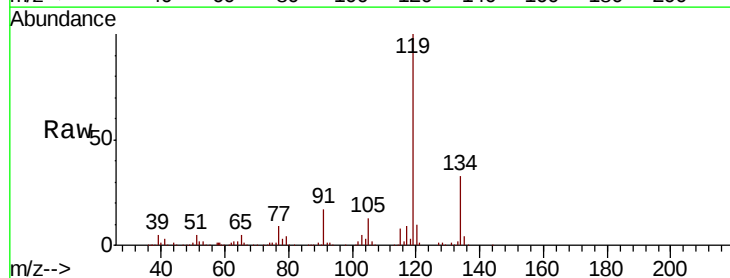
Instrument :
MSVOA_X
ClientSampled :
FL-0588DL

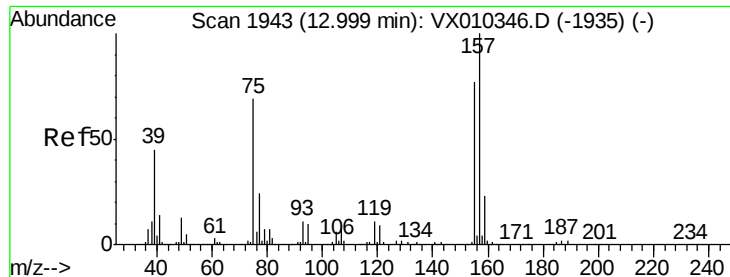
Tot Ion: 91 Resp: 22180
Ion Ratio Lower Upper
91 100
92 34.3 26.2 78.5
134 115.9 14.1 42.4#



#90
Hexachloroethane
Concen: 3.183 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX010754.D
Acq: 09 Jul 2019 16:34

Tgt Ion: 117 Resp: 5196
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.709 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

FL-0588DL

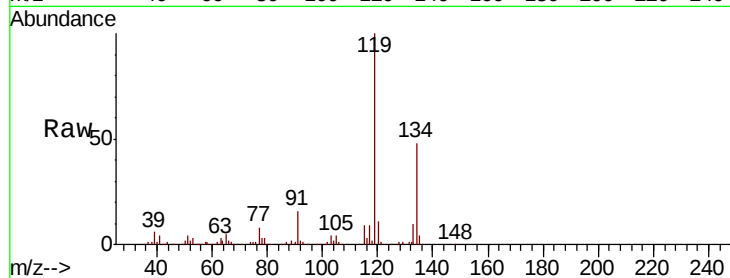
Tot Ion: 75 Resp: 532

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

157 0.0 69.5 208.3#



Abundance Ion 74.90 (74.60 to 75.60): VX010346.D (-1935) (-)

Ion 154.80 (154.50 to 155.50): VX010346.D (-1935) (-)

Ion 156.80 (156.50 to 157.50): VX010346.D (-1935) (-)

13.01

400

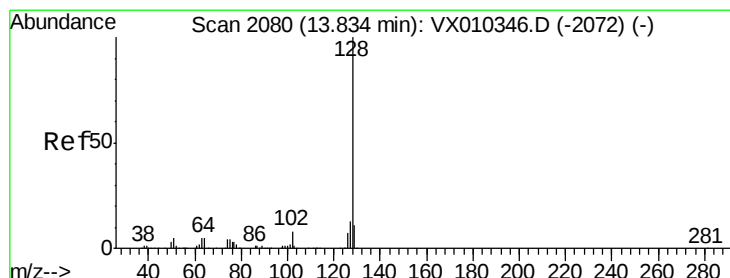
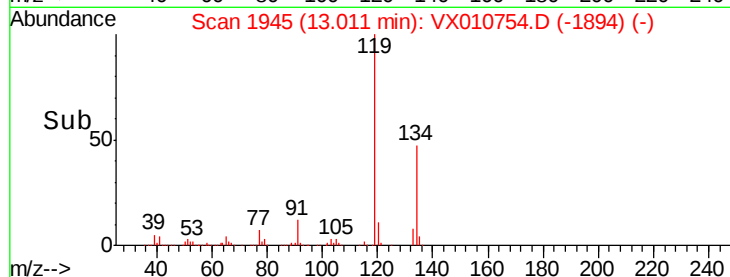
300

200

100

0

Time-->



#95

Naphthalene

Concen: 7.572 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010754.D

Acq: 09 Jul 2019 16:34

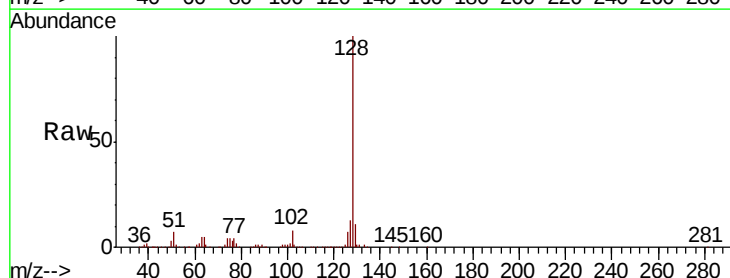
Tgt Ion:128 Resp: 82113

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 11.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX010346.D (-2072) (-)

Ion 127.00 (126.70 to 127.70): VX010346.D (-2072) (-)

Ion 129.00 (128.70 to 129.70): VX010346.D (-2072) (-)

13.83

80000

60000

40000

20000

0

Time-->

