

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011002.D
 Acq On : 19 Jul 2019 15:04
 Operator : JC/SP
 Sample : K3884-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0615

Quant Time: Jul 20 01:01:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	225458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347903	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161889	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116886	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
35) Dibromofluoromethane	5.50	113	108426	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	8.71	98	423266	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	154221	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	105	0.590	ug/l #	43
3) Chloromethane	1.33	50	728	0.351	ug/l #	67
5) Bromomethane	1.66	94	726	0.609	ug/l #	79
6) Chloroethane	1.84	64	489	0.364	ug/l #	65
11) Tert butyl alcohol	3.02	59	2201	3.940	ug/l #	73
13) Acrolein	2.28	56	92	0.285	ug/l #	1
14) Allyl chloride	2.84	41	7985	2.737	ug/l #	61
15) Acrylonitrile	3.17	53	3003	2.660	ug/l #	37
16) Acetone	2.45	43	4228	3.903	ug/l	98
17) Carbon Disulfide	2.57	76	1042	0.202	ug/l #	91
18) Methyl Acetate	2.85	43	18739	7.597	ug/l #	48
20) Methylene Chloride	2.86	84	607	0.264	ug/l #	1
25) 2-Butanone	4.70	43	693	0.446	ug/l	99
31) Cyclohexane	5.58	56	73832	22.671	ug/l	97
36) 1,1-Dichloropropene	5.65	75	14880	5.207	ug/l #	48
38) Carbon Tetrachloride	5.67	117	20718	6.957	ug/l #	17
39) Methylcyclohexane	7.46	83	126512	34.138	ug/l	98
40) Benzene	6.15	78	50678	5.789	ug/l	100
41) Methacrylonitrile	5.04	41	347	0.209	ug/l #	49
43) Isopropyl Acetate	6.46	43	1563	0.325	ug/l #	58
48) Methyl methacrylate	7.73	41	4709	2.009	ug/l #	52
49) 1,4-Dioxane	7.89	88	28	0.427	ug/l #	28
51) 4-Methyl-2-Pentanone	8.67	43	1050	0.337	ug/l #	35
52) Toluene	8.78	92	69634	12.109	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	5796	2.448	ug/l #	17
56) Ethyl methacrylate	9.16	69	1279	0.369	ug/l #	7
60) Dibromochloromethane	9.32	129	67	2.551	ug/l #	11
67) Ethyl Benzene	10.25	91	192933	16.863	ug/l	100
68) m/p-Xylenes	10.35	106	214279	48.824	ug/l	99
69) o-Xylene	10.69	106	61077	14.259	ug/l	99
70) Styrene	10.70	104	3272	0.458	ug/l #	1
73) Isopropylbenzene	11.02	105	101121	9.244	ug/l	99
76) 1,2,3-Trichloropropane	11.43	75	6611	2.263	ug/l #	1
78) n-propylbenzene	11.36	91	155831	12.893	ug/l	98

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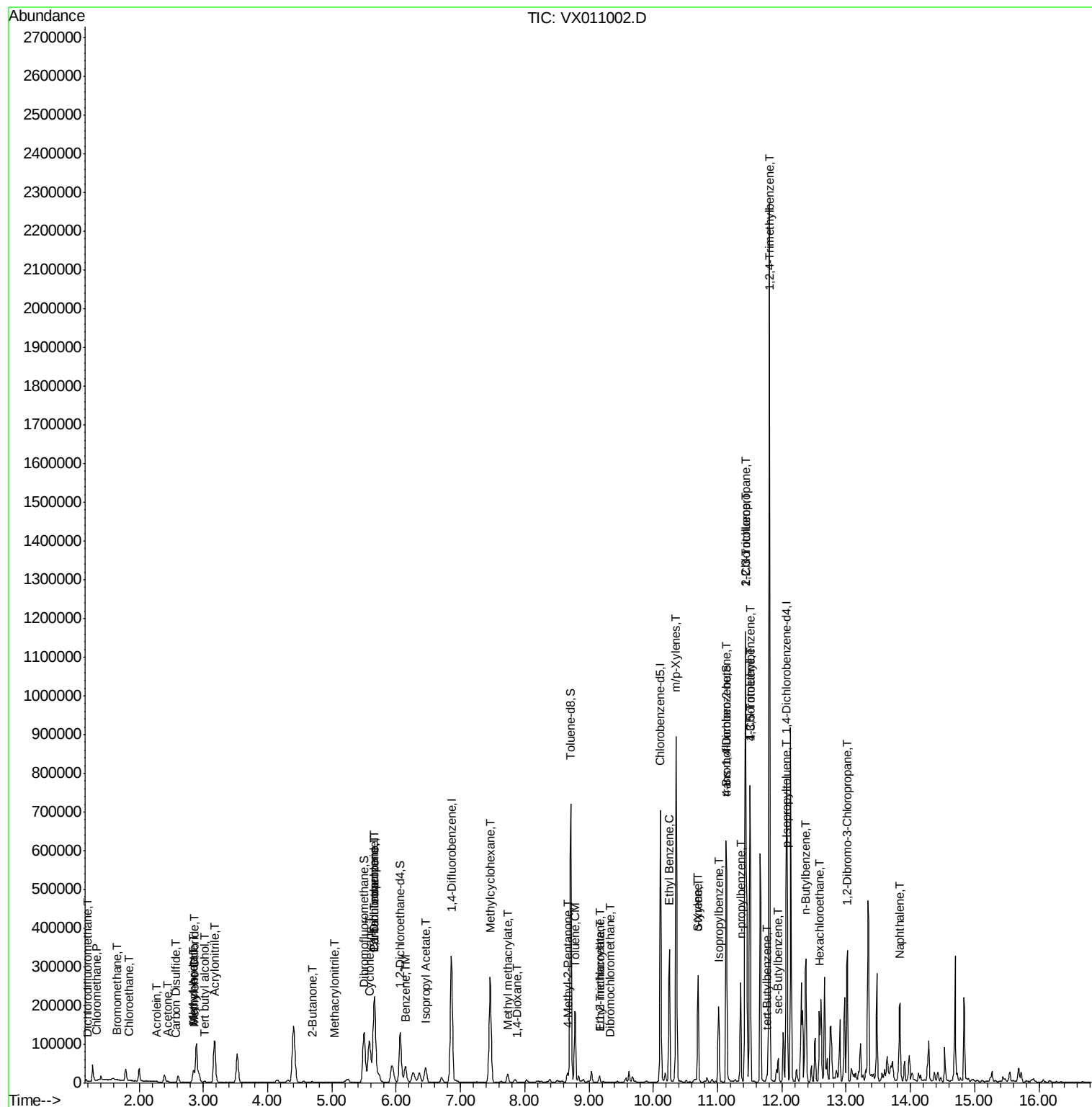
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.43	91	96999	13.360	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	328932	35.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	76549	65.083	ug/l #	11
82) 4-Chlorotoluene	11.51	91	35555	4.207	ug/l #	44
83) tert-Butylbenzene	11.77	119	7935	0.884	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	962704	104.498	ug/l	99
85) sec-Butylbenzene	11.94	105	30283	2.879	ug/l	99
86) p-Isopropyltoluene	12.06	119	32665	3.359	ug/l	98
89) n-Butylbenzene	12.38	91	43989	5.287	ug/l #	21
90) Hexachloroethane	12.58	117	8410	5.482	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1160	1.550	ug/l #	1
95) Naphthalene	13.83	128	125653	12.099	ug/l	97

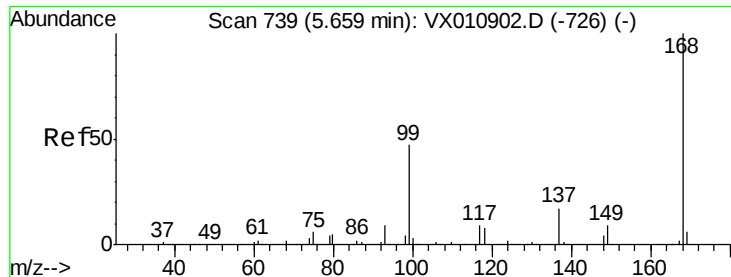
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072019\
Data File : VX011002.D
Acq On : 19 Jul 2019 15:04
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Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

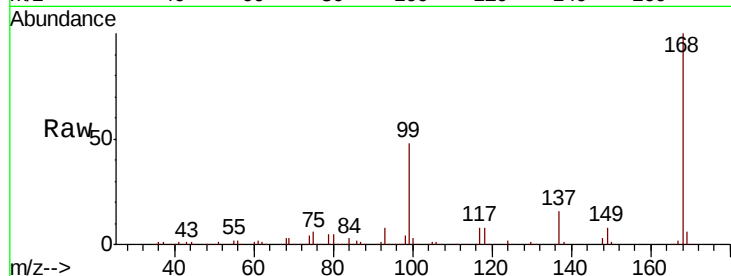
FL-0615

Tot Ion:168 Resp: 225458

Ion Ratio Lower Upper

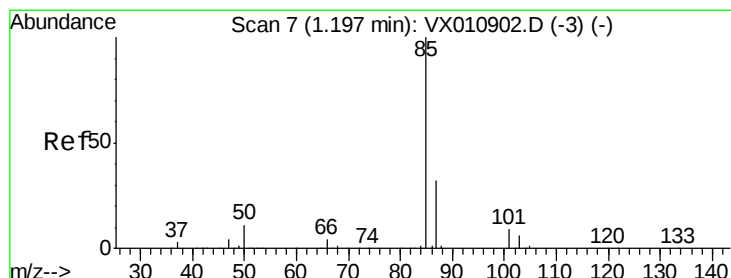
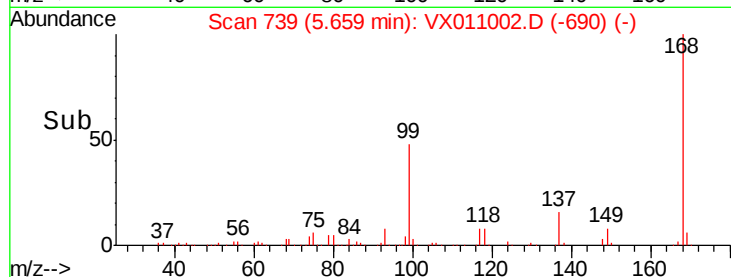
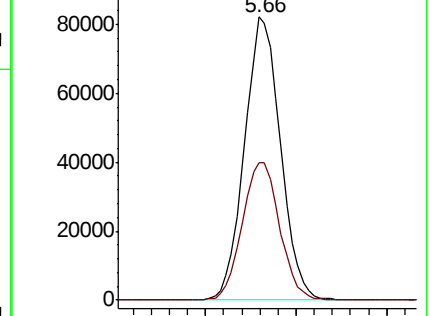
168 100

99 48.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.590 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011002.D

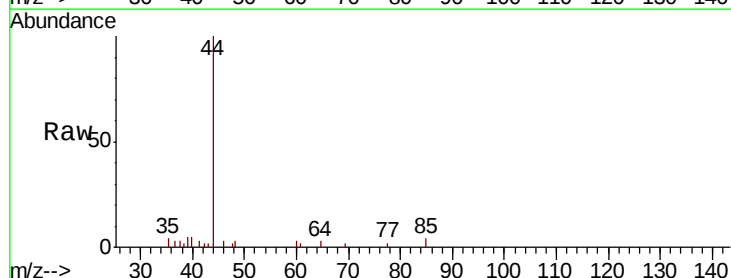
Acq: 19 Jul 2019 15:04

Tgt Ion: 85 Resp: 105

Ion Ratio Lower Upper

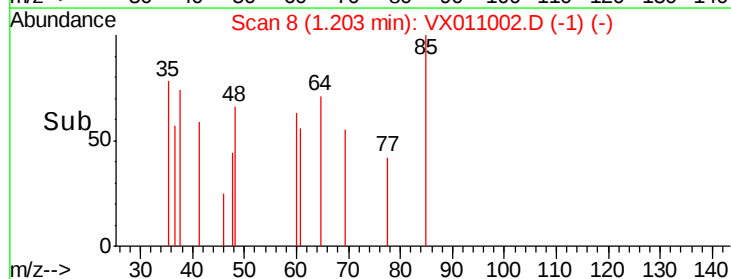
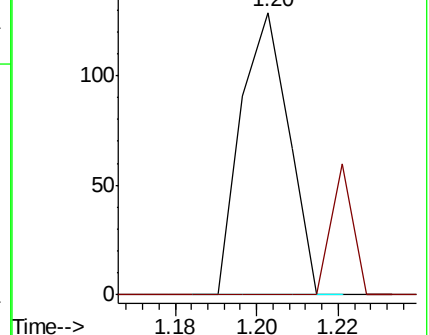
85 100

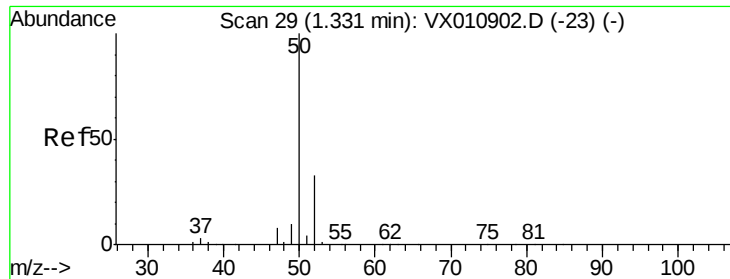
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.351 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

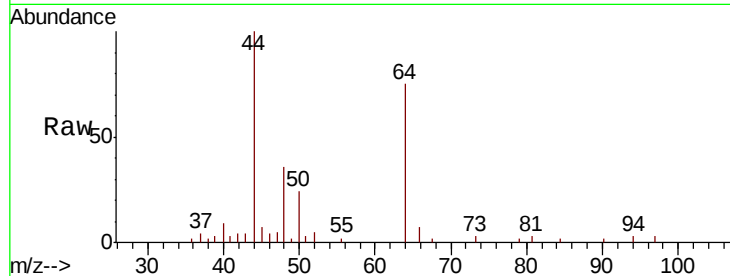
FL-0615

Tot Ion: 50 Resp: 728

Ion Ratio Lower Upper

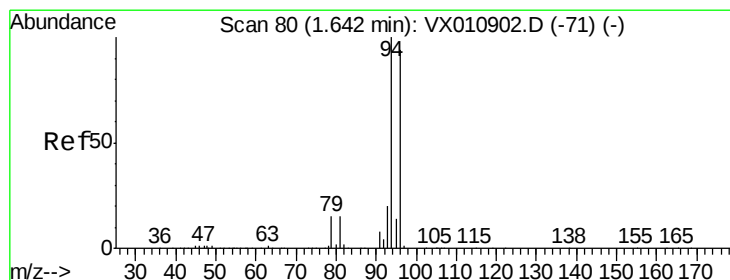
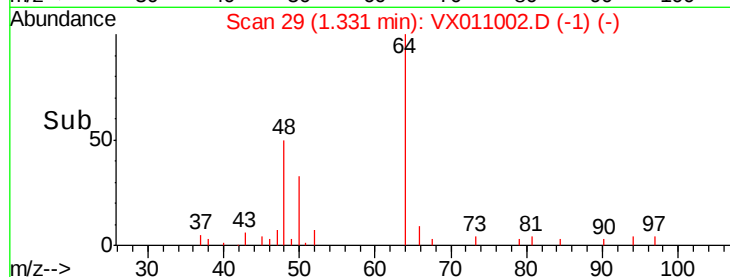
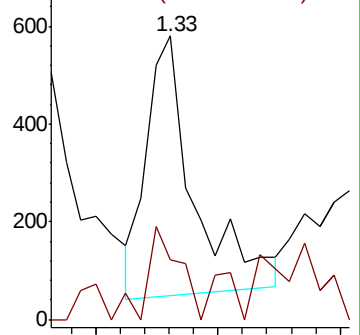
50 100

52 14.6 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.609 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011002.D

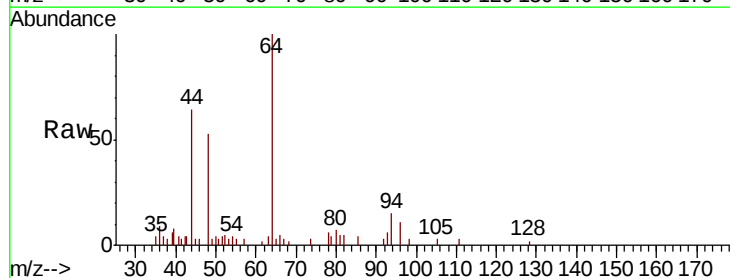
Acq: 19 Jul 2019 15:04

Tgt Ion: 94 Resp: 726

Ion Ratio Lower Upper

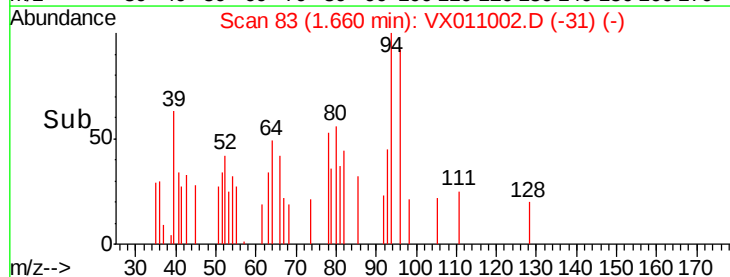
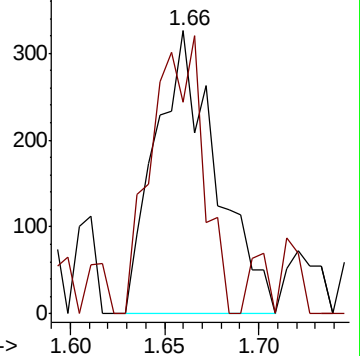
94 100

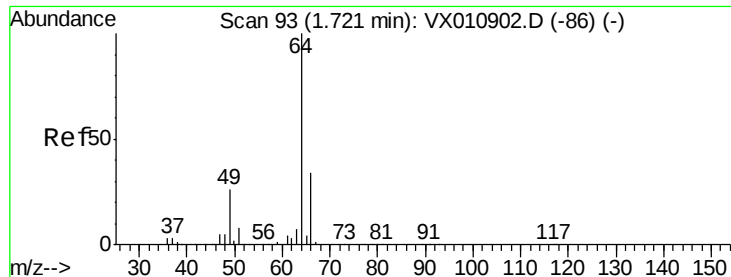
96 74.5 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.364 ug/l

RT: 1.84 min Scan# 113

Delta R.T. 0.12 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

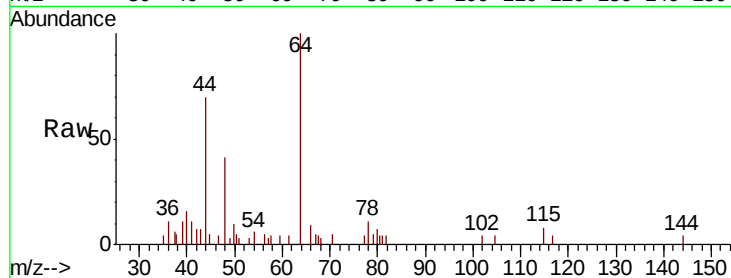
FL-0615

Tot Ion: 64 Resp: 489

Ion Ratio Lower Upper

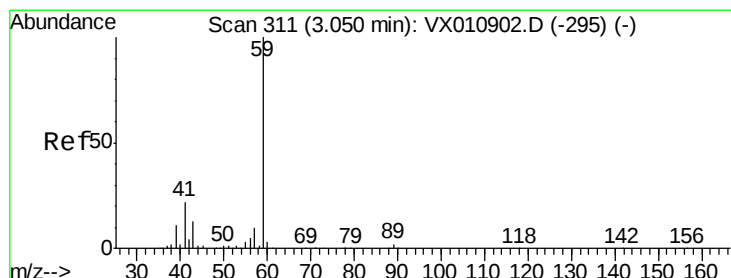
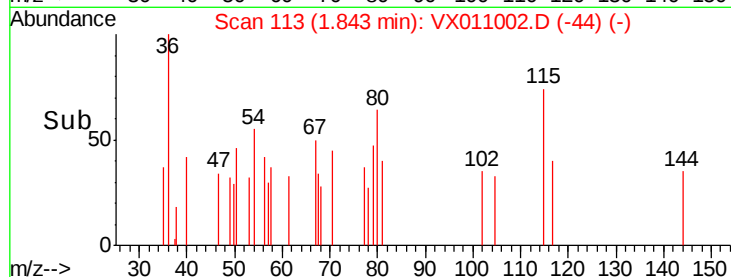
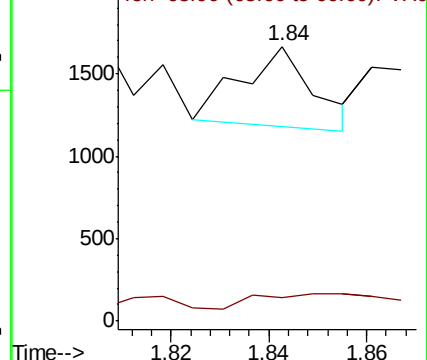
64 100

66 13.9 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 3.940 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX011002.D

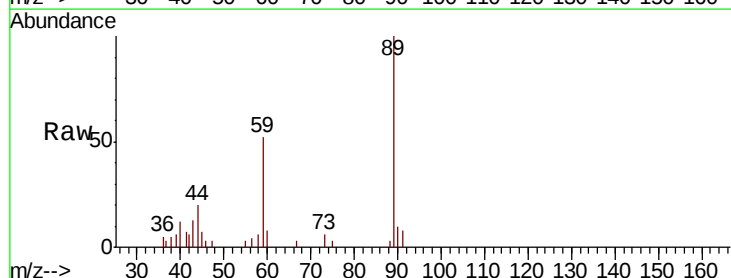
Acq: 19 Jul 2019 15:04

Tgt Ion: 59 Resp: 2201

Ion Ratio Lower Upper

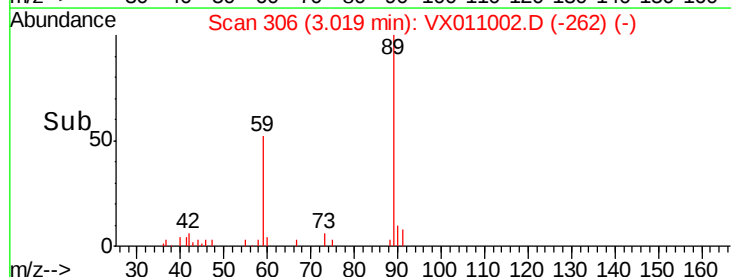
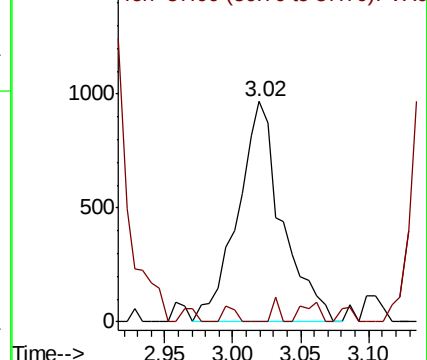
59 100

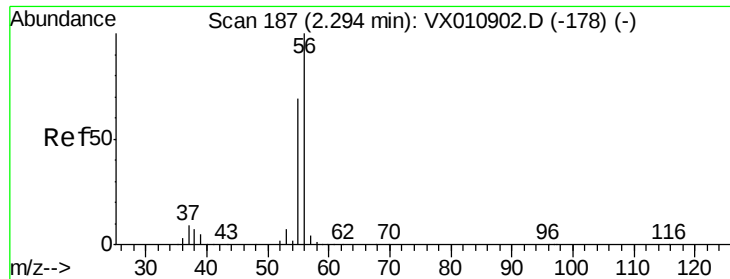
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.285 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

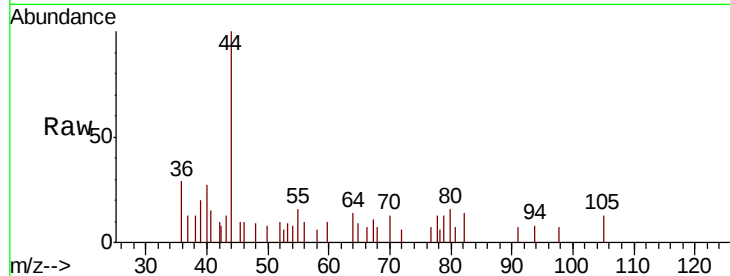
FL-0615

Tot Ion: 56 Resp: 92

Ion Ratio Lower Upper

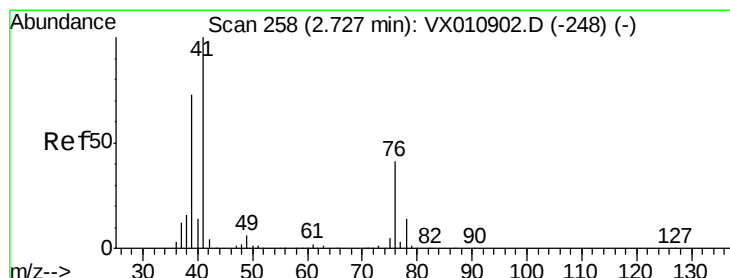
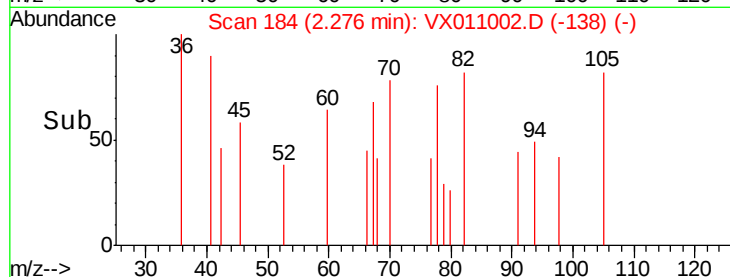
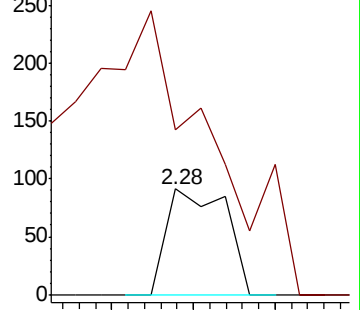
56 100

55 637.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 2.737 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

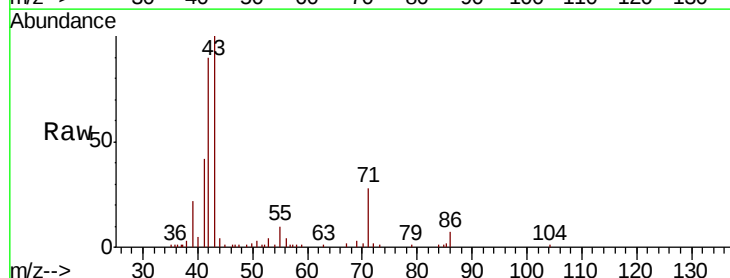
Tgt Ion: 41 Resp: 7985

Ion Ratio Lower Upper

41 100

39 45.7 53.6 80.4#

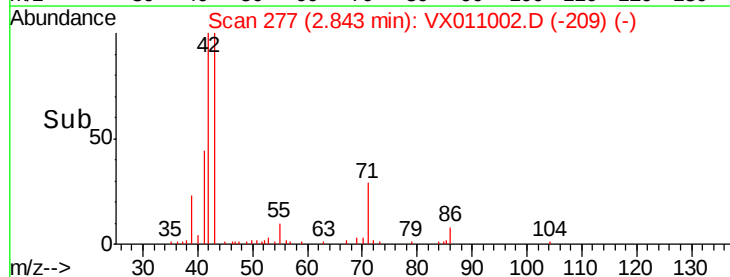
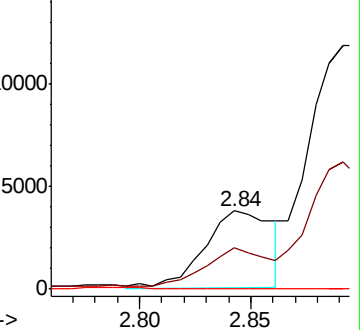
76 0.0 29.7 44.5#

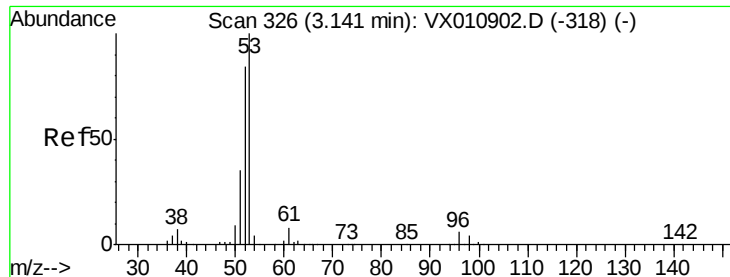


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 2.660 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

FL-0615

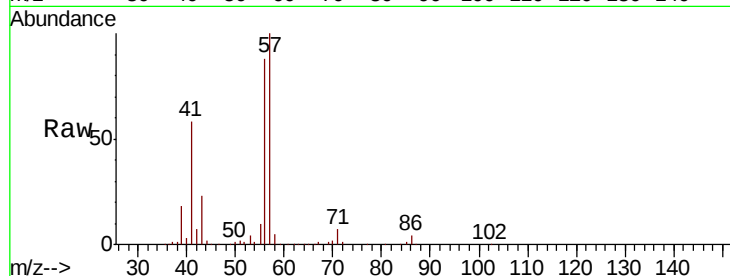
Tot Ion: 53 Resp: 3003

Ion Ratio Lower Upper

53 100

52 22.8 66.5 99.7#

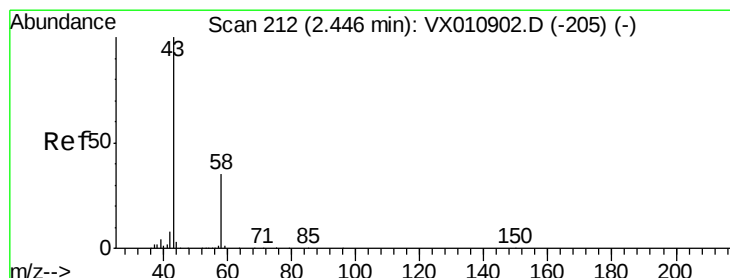
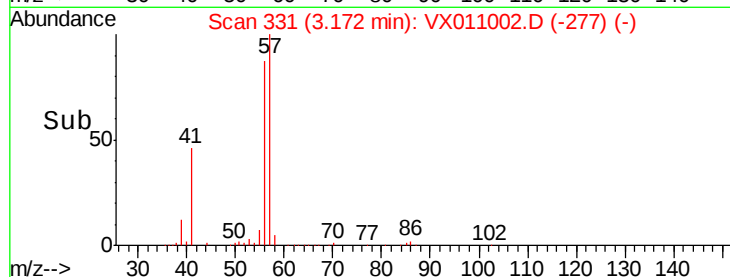
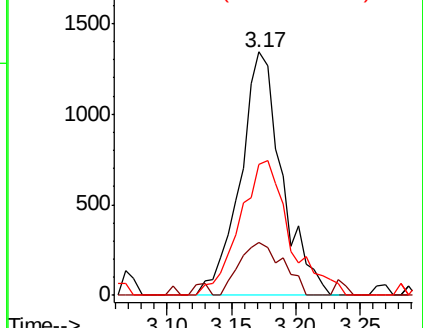
51 66.6 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.903 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011002.D

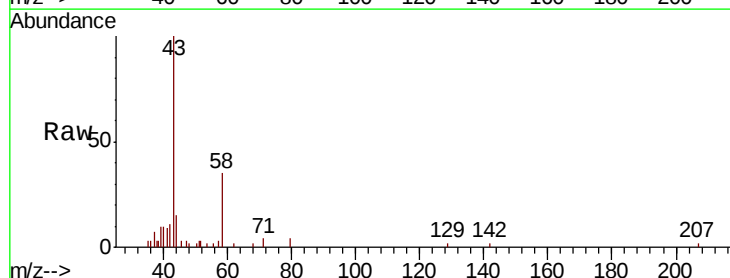
Acq: 19 Jul 2019 15:04

Tgt Ion: 43 Resp: 4228

Ion Ratio Lower Upper

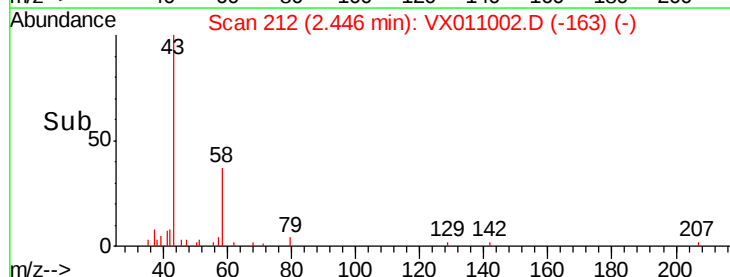
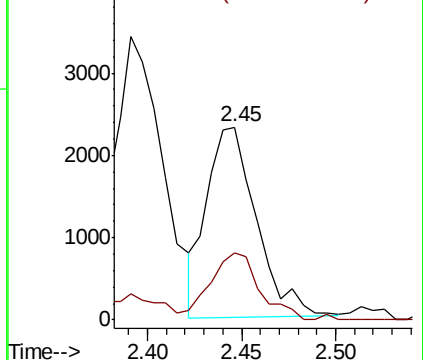
43 100

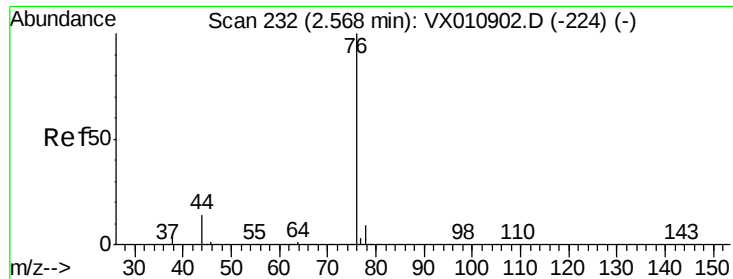
58 36.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

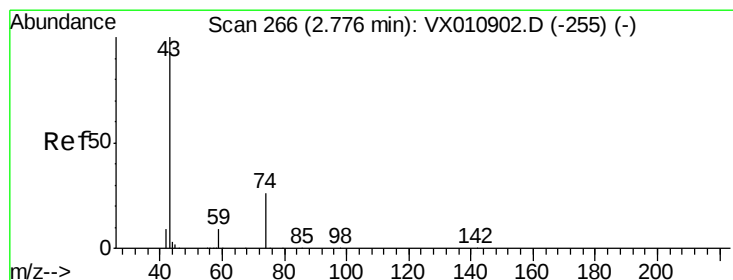
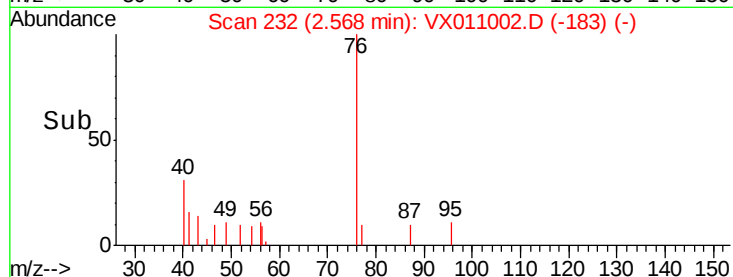
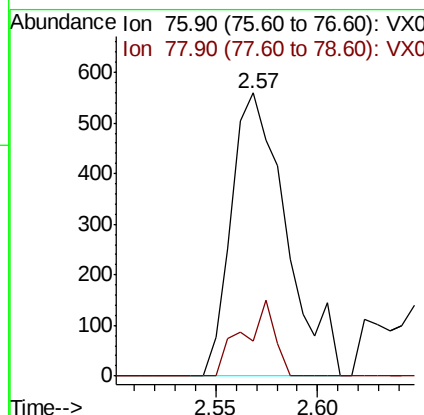
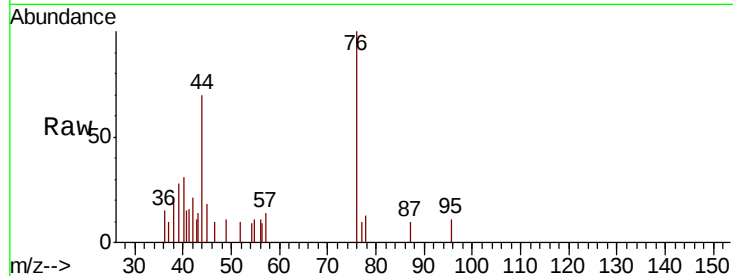




#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

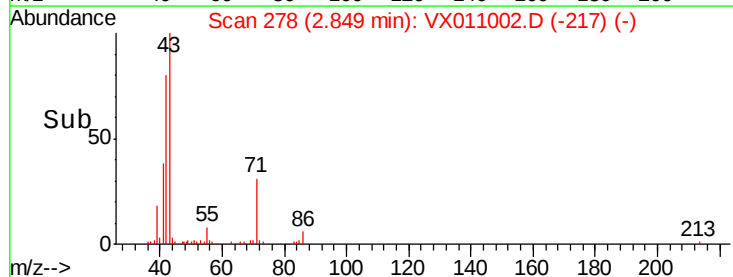
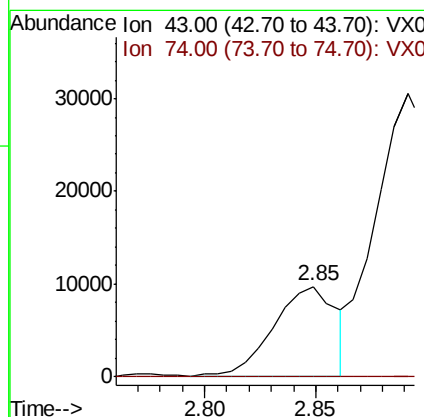
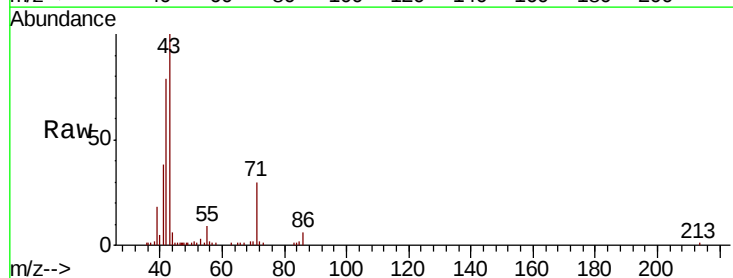
Instrument :
MSVOA_X
ClientSampled :
FL-0615

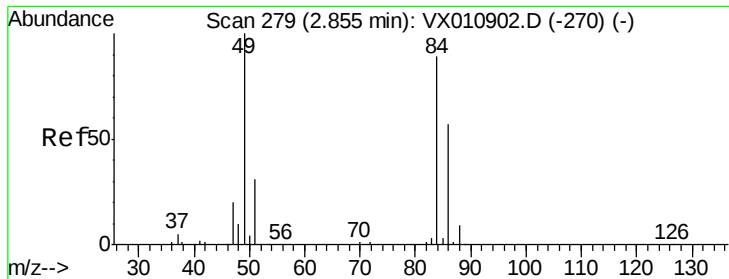
Tot Ion: 76 Resp: 1042
Ion Ratio Lower Upper
76 100
78 12.5 7.4 11.0#



#18
Methyl Acetate
Concen: 7.597 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion: 43 Resp: 18739
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#





#20

Methylene Chloride

Concen: 0.264 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

Tot Ion: 84 Resp: 607

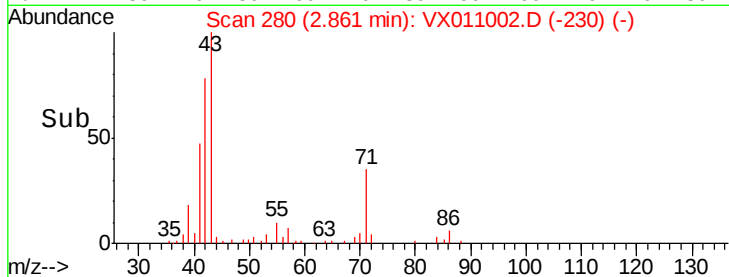
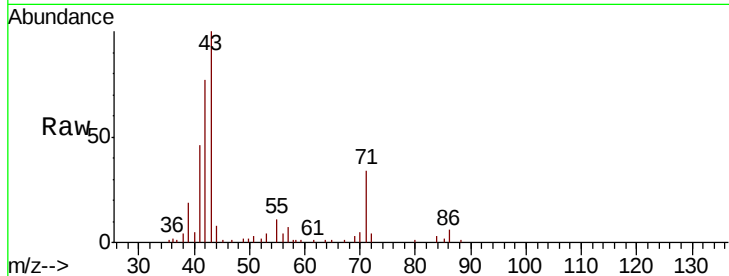
Ion Ratio Lower Upper

84 100

49 27.5 89.9 134.9#

51 66.9 27.8 41.6#

86 191.5 51.8 77.6#

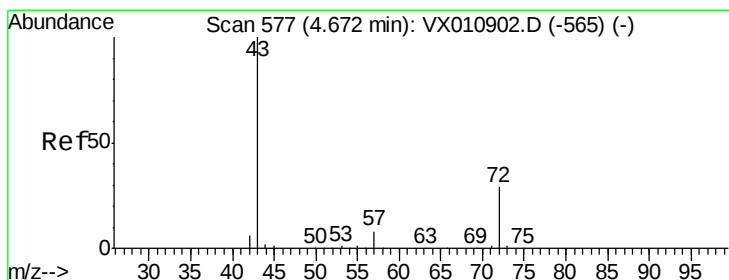
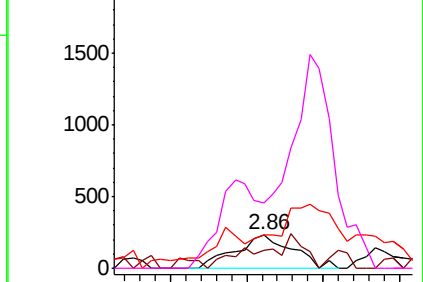


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.446 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX011002.D

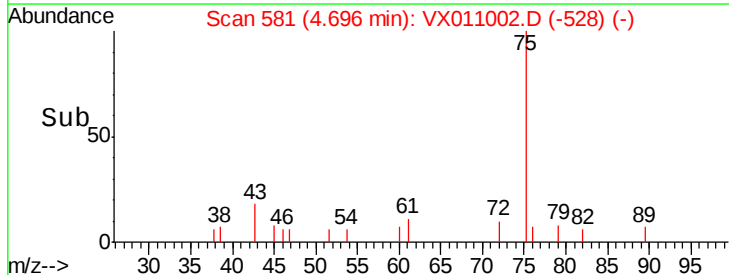
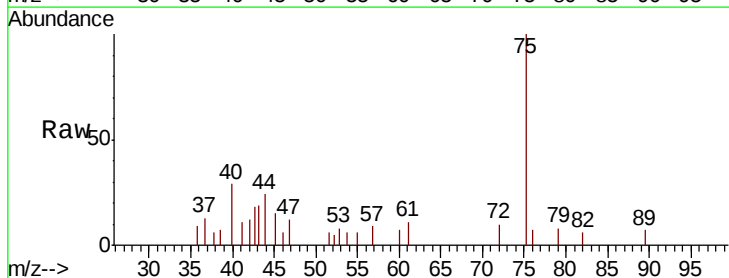
Acq: 19 Jul 2019 15:04

Tgt Ion: 43 Resp: 693

Ion Ratio Lower Upper

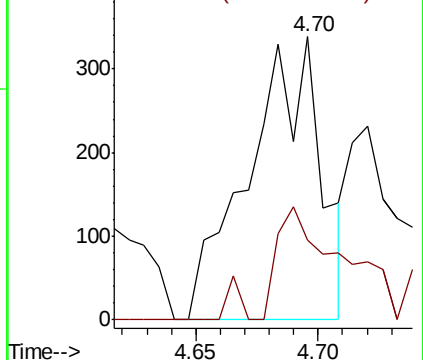
43 100

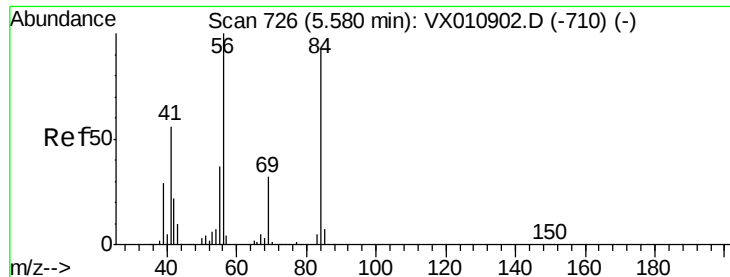
72 28.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

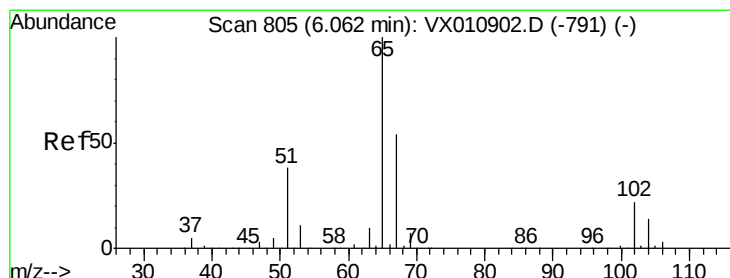
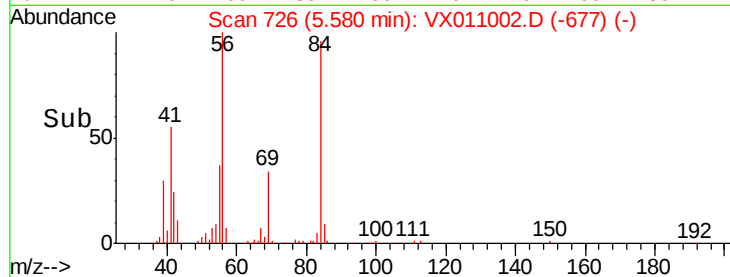
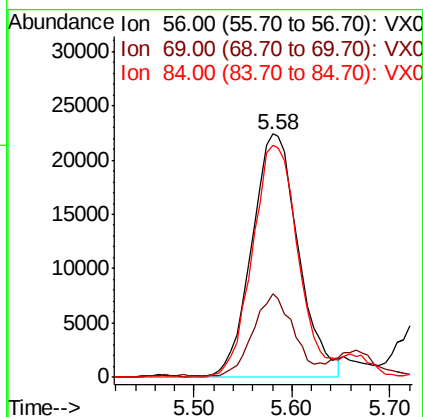
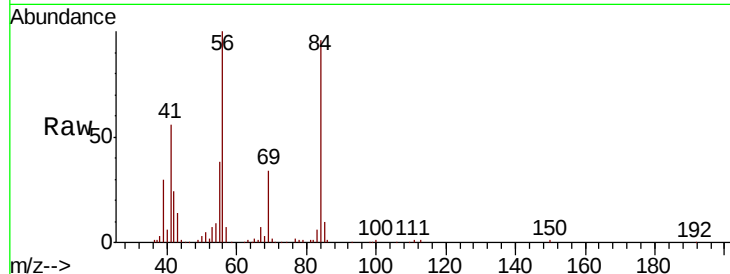




#31
Cyclohexane
Concen: 22.671 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

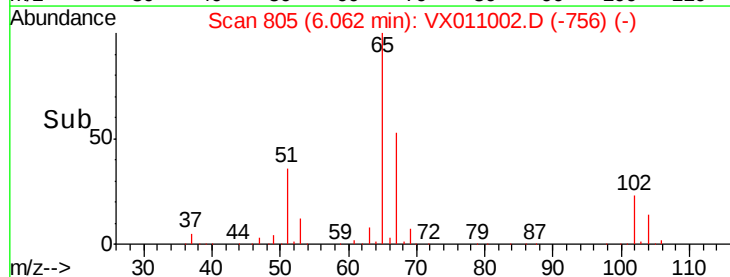
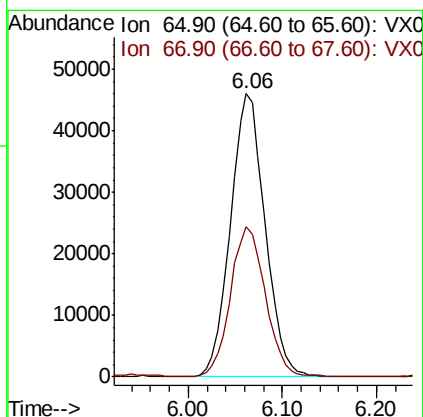
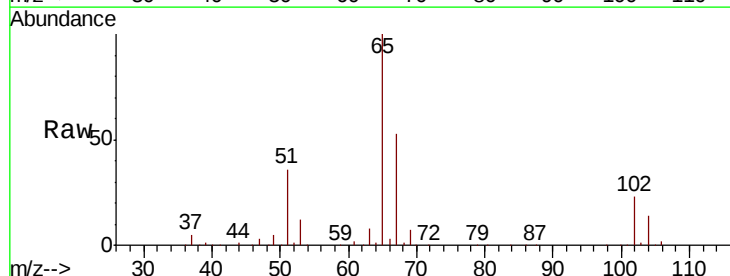
Instrument :
MSVOA_X
ClientSampleId :
FL-0615

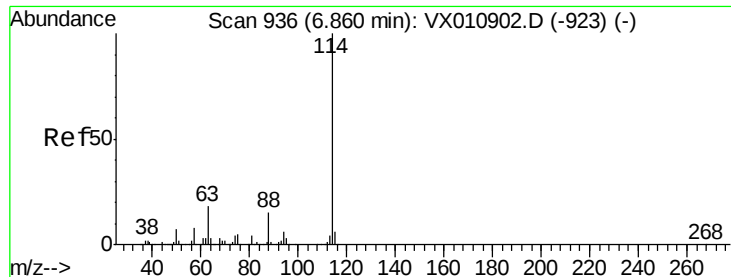
Tot Ion: 56 Resp: 73832
Ion Ratio Lower Upper
56 100
69 33.8 25.8 38.8
84 95.8 73.8 110.6



#33
1,2-Dichloroethane-d4
Concen: 48.732 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion: 65 Resp: 116886
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

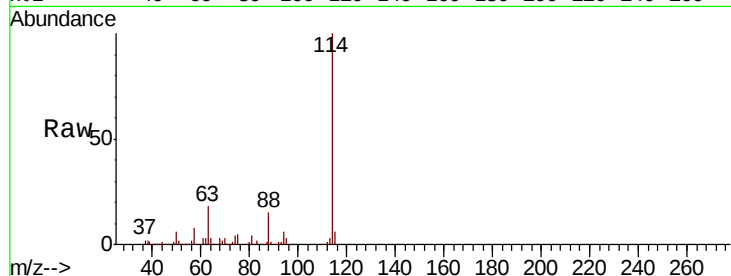
Tot Ion:114 Resp: 347903

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

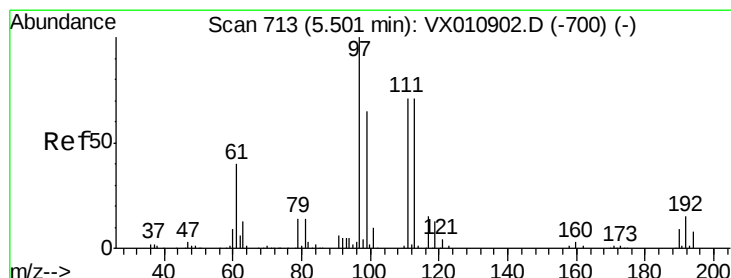
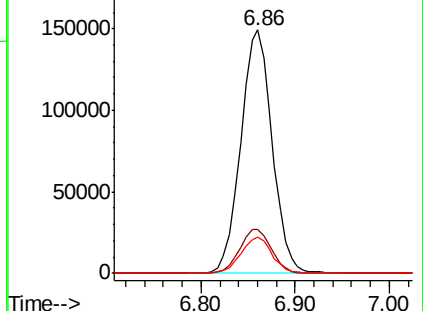
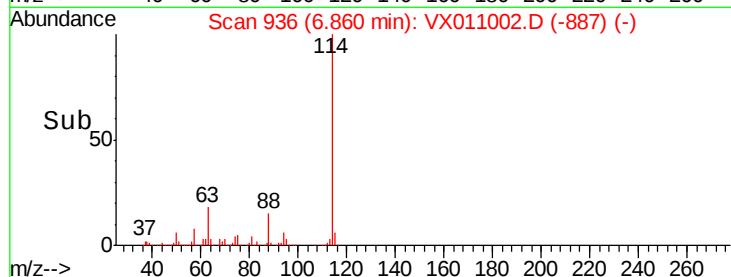
88 15.0 0.0 29.8



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



#35

Dibromofluoromethane

Concen: 49.101 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

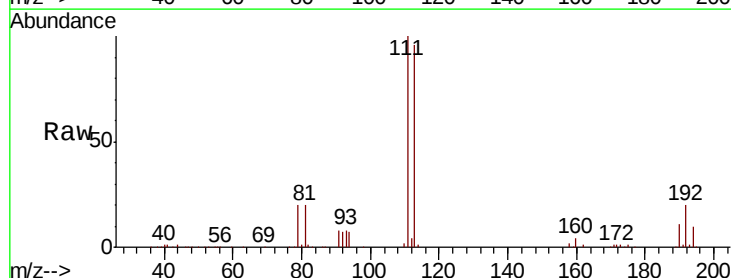
Tgt Ion:113 Resp: 108426

Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

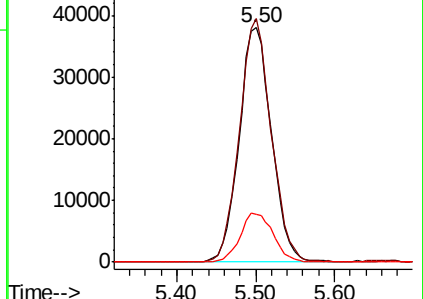
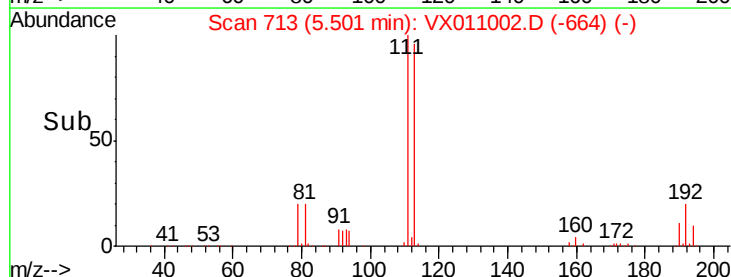
192 21.4 17.4 26.2

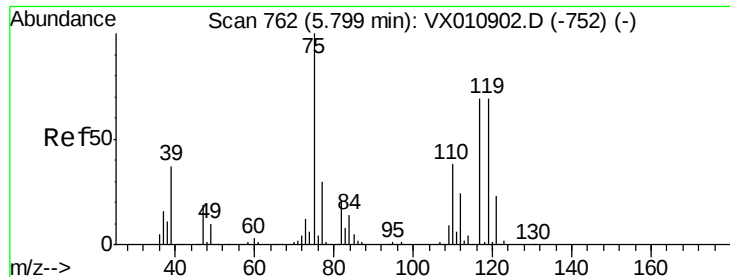


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.207 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

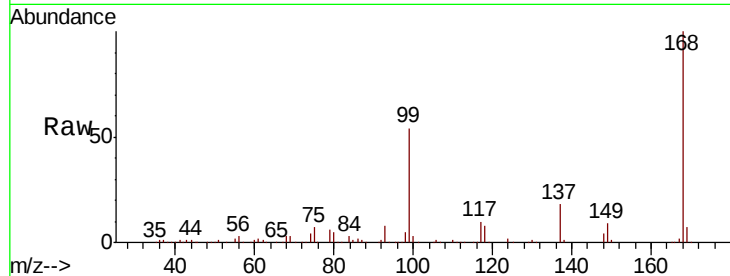
Tot Ion: 75 Resp: 14880

Ion Ratio Lower Upper

75 100

110 10.4 19.9 59.7#

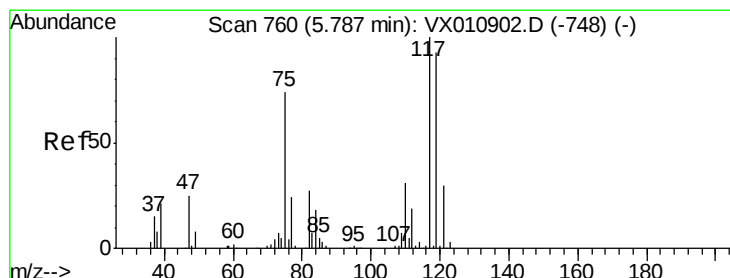
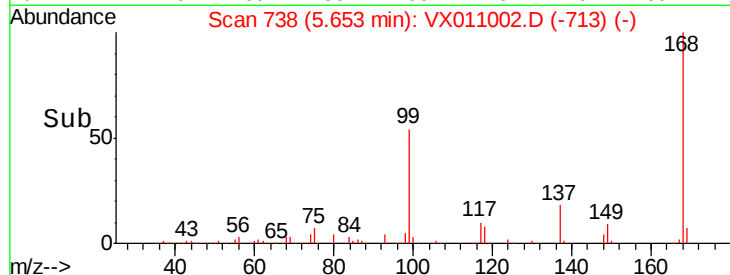
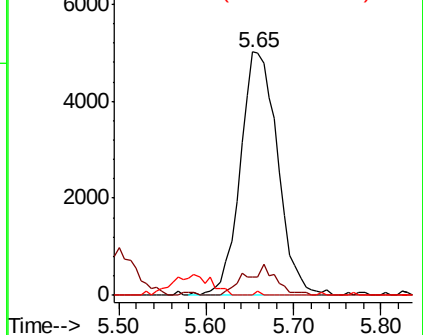
77 0.0 25.0 37.4#



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: 6.957 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

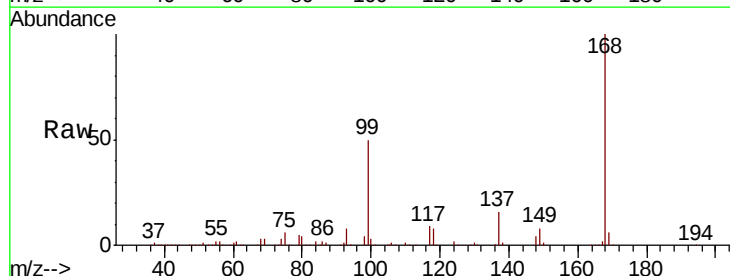
Tgt Ion: 117 Resp: 20718

Ion Ratio Lower Upper

117 100

119 5.1 74.2 111.2#

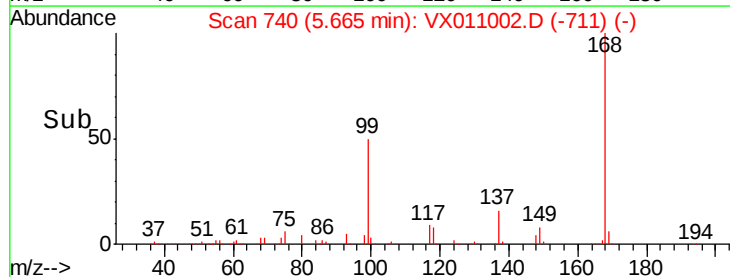
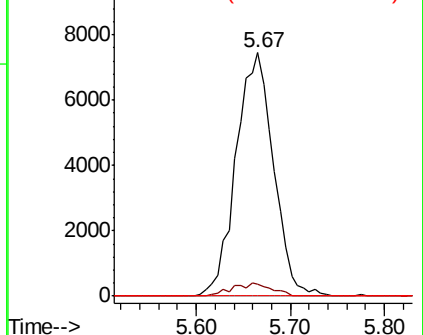
121 0.0 24.2 36.2#

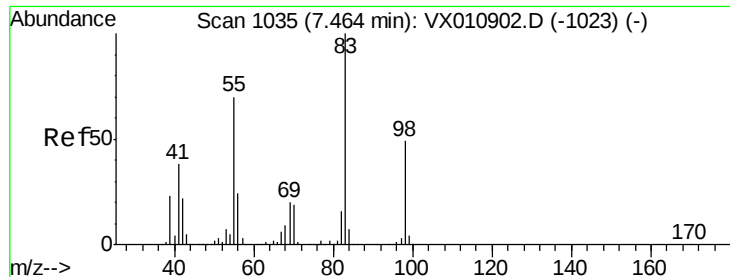


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

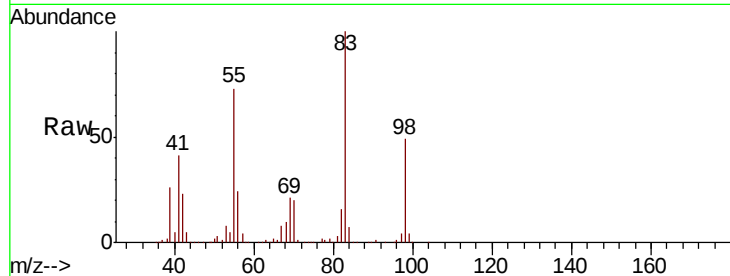




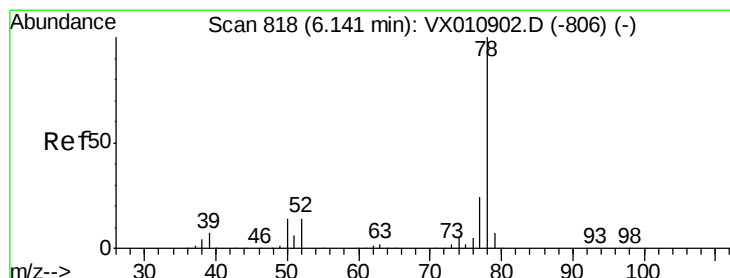
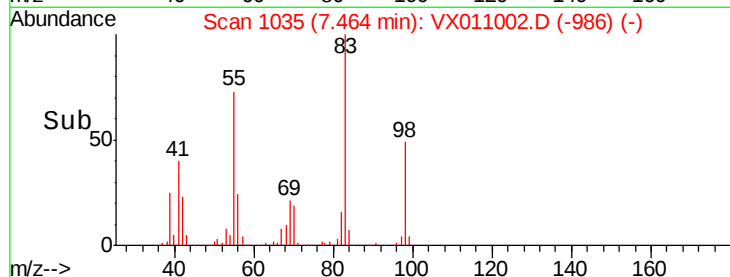
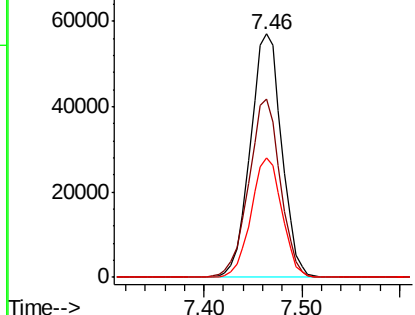
#39
Methvlcvclohexane
Concen: 34.138 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Instrument :
MSVOA_X
ClientSampled :
FL-0615

Tot Ion: 83 Resp: 126512
Ion Ratio Lower Upper
83 100
55 72.9 56.2 84.4
98 49.2 39.0 58.4

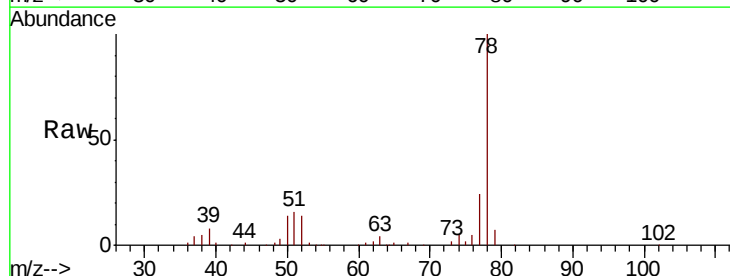


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

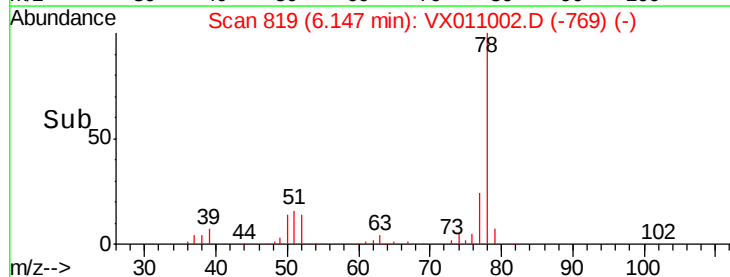
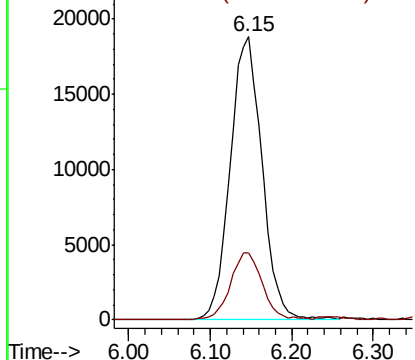


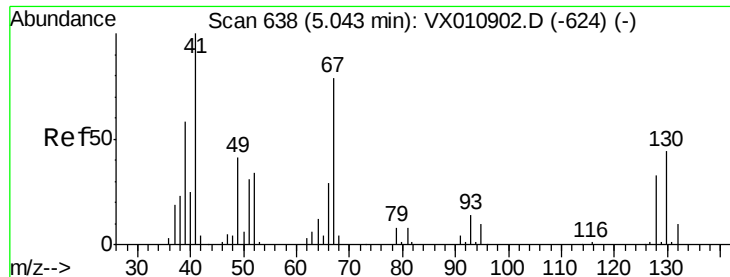
#40
Benzene
Concen: 5.789 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion: 78 Resp: 50678
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 0.209 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

FL-0615

Tot Ion: 41 Resp: 347

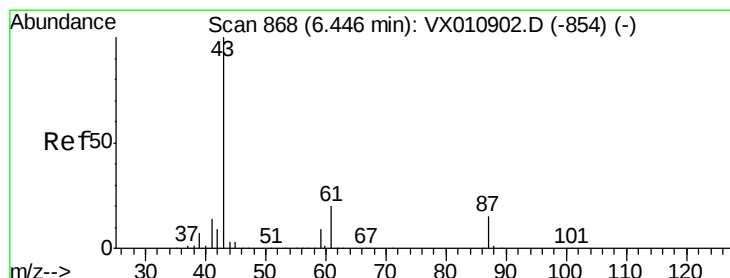
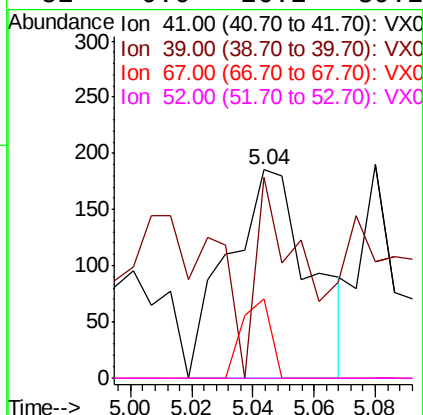
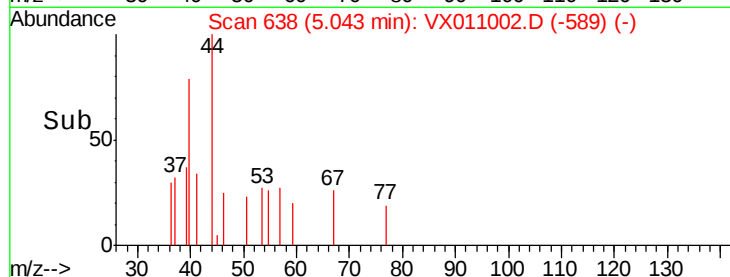
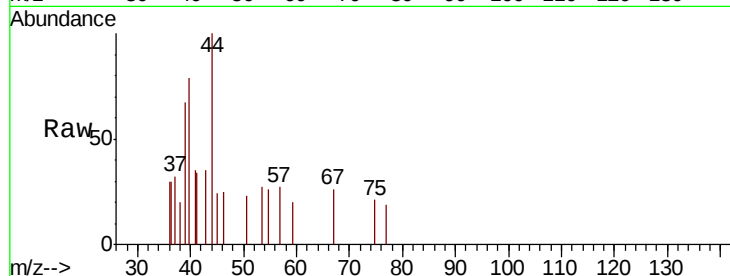
Ion Ratio Lower Upper

41 100

39 49.9 45.4 68.2

67 13.3 65.9 98.9#

52 0.0 26.2 39.2#



#43

Isopropyl Acetate

Concen: 0.325 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

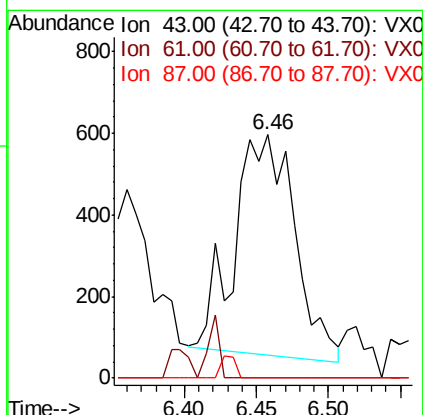
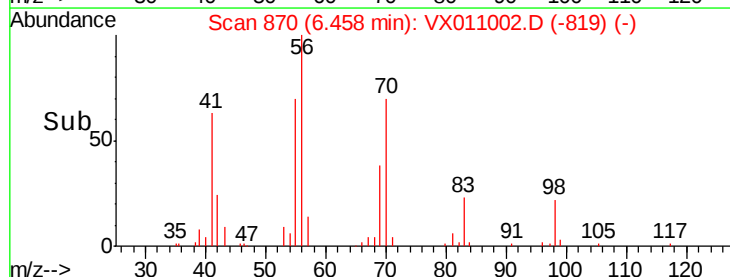
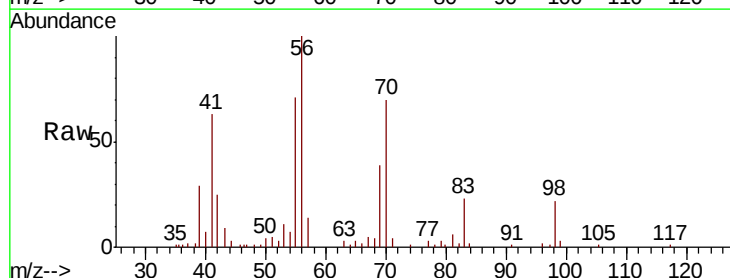
Tgt Ion: 43 Resp: 1563

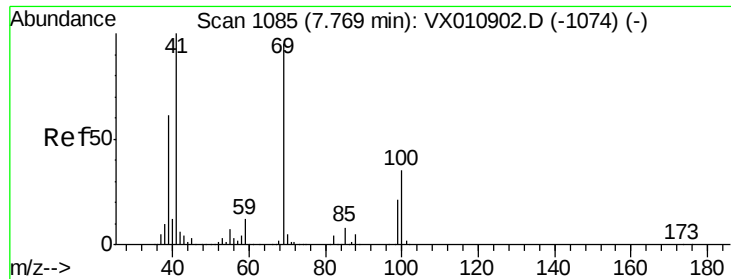
Ion Ratio Lower Upper

43 100

61 0.0 17.1 25.7#

87 0.0 12.0 18.0#

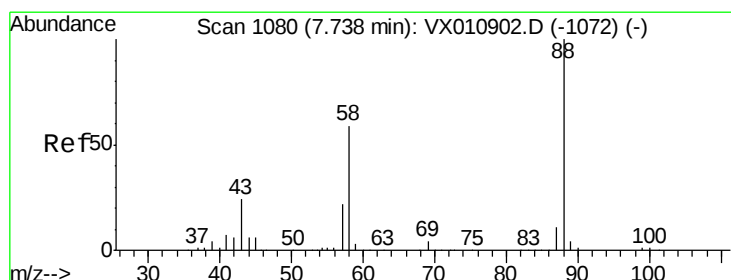
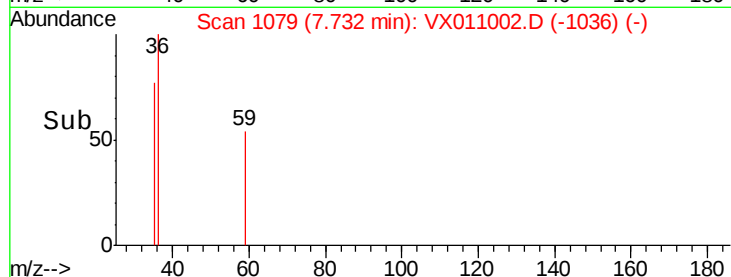
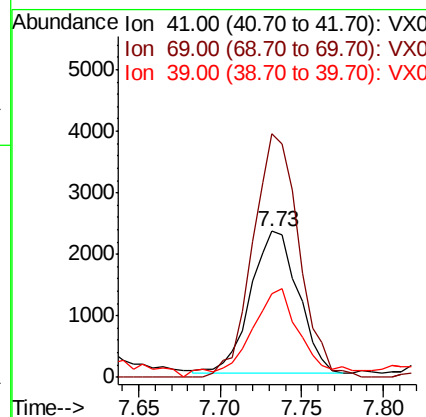
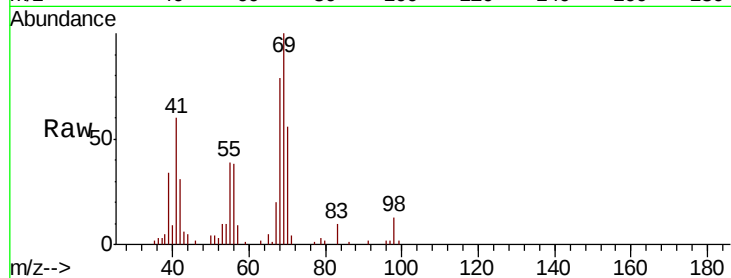




#48
Methvl methacrylate
Concen: 2.009 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

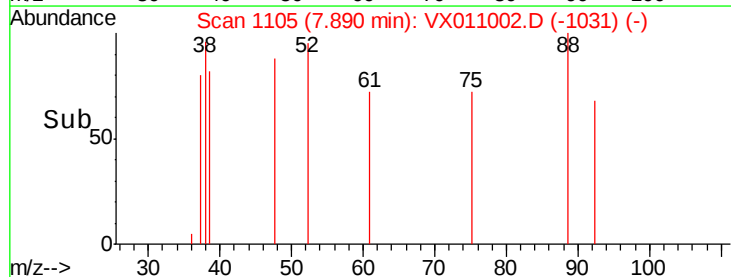
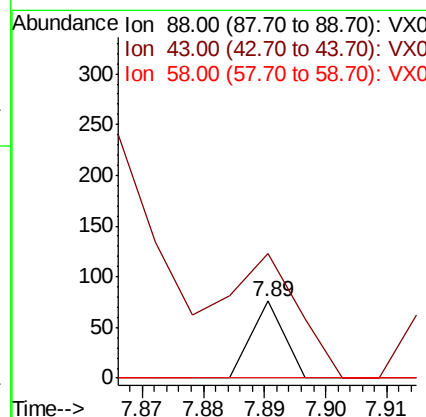
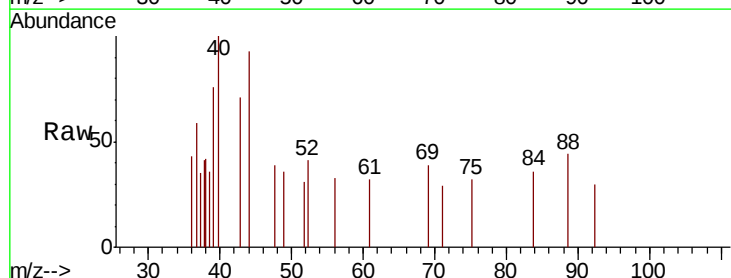
Instrument :
MSVOA_X
ClientSampled :
FL-0615

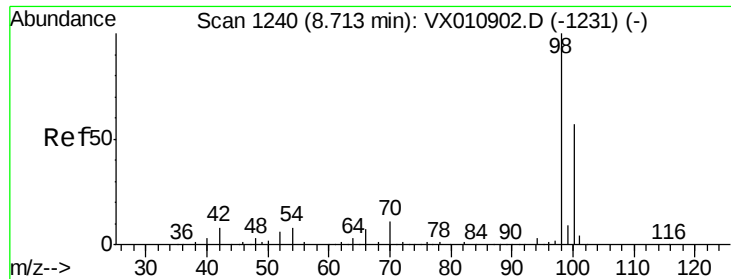
Tot Ion: 41 Resp: 4709
Ion Ratio Lower Upper
41 100
69 165.3 74.4 111.6#
39 66.7 48.9 73.3



#49
1,4-Dioxane
Concen: 0.427 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. 0.15 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 0.0 49.8 74.8#





#50

Toluene-d8

Concen: 51.105 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

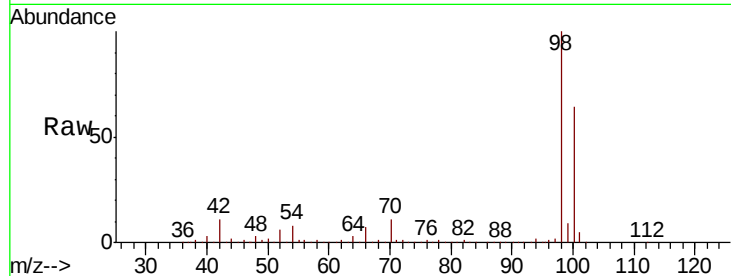
FL-0615

Tot Ion: 98 Resp: 423266

Ion Ratio Lower Upper

98 100

100 63.8 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

300000

250000

200000

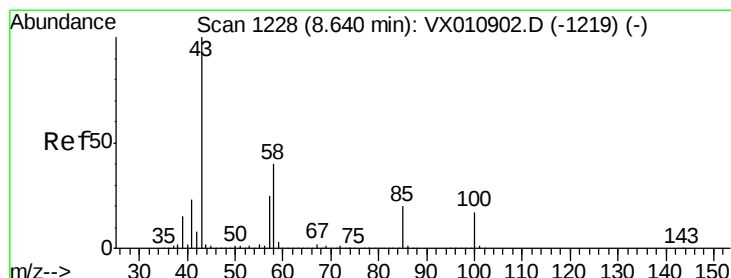
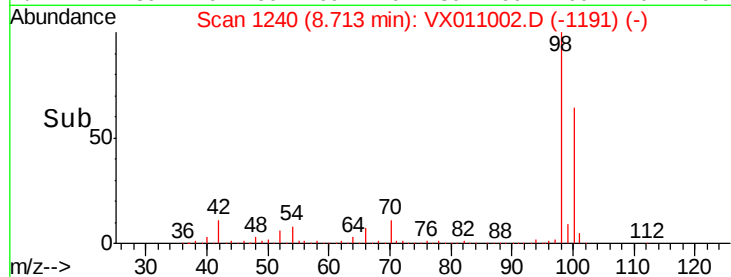
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.337 ug/l

RT: 8.67 min Scan# 1233

Delta R.T. 0.03 min

Lab File: VX011002.D

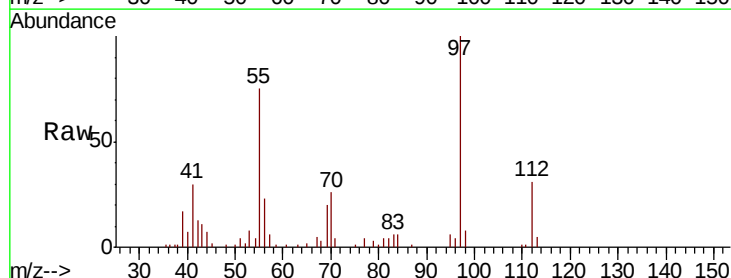
Acq: 19 Jul 2019 15:04

Tgt Ion: 43 Resp: 1050

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

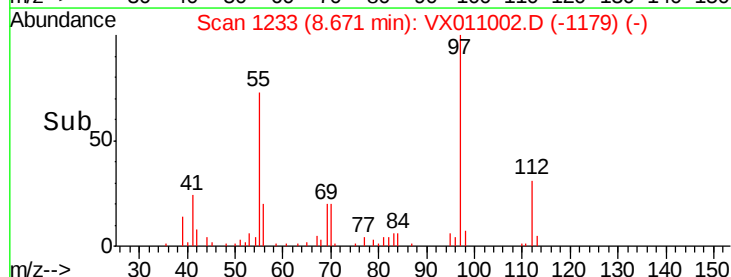
1500

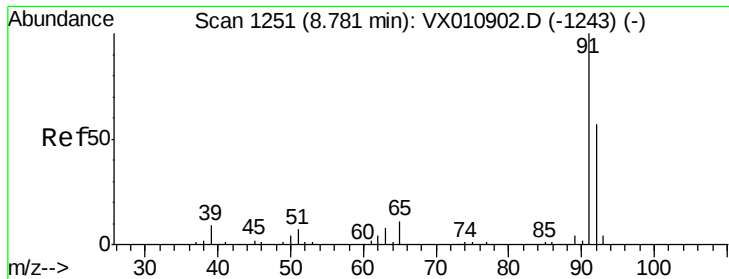
1000

500

0

Time-->





#52

Toluene

Concen: 12.109 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

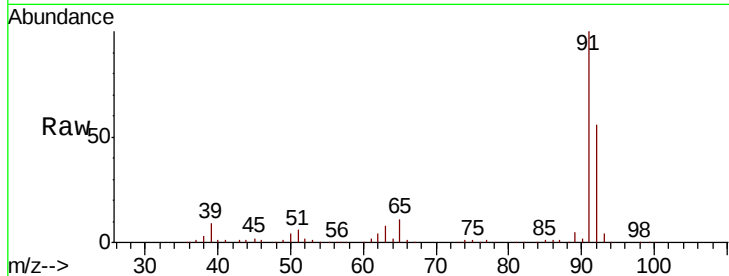
FL-0615

Tot Ion: 92 Resp: 69634

Ion Ratio Lower Upper

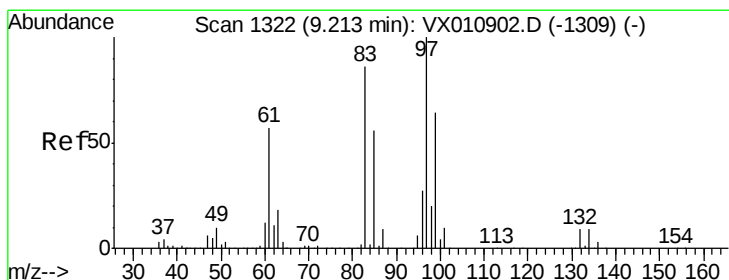
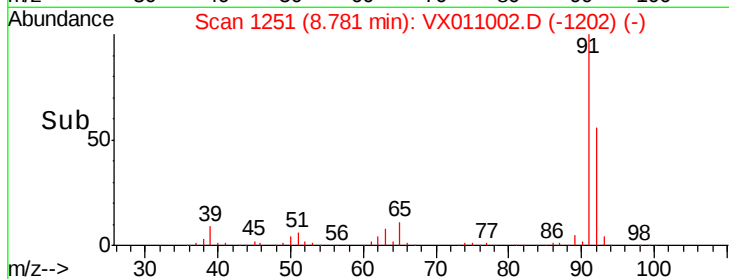
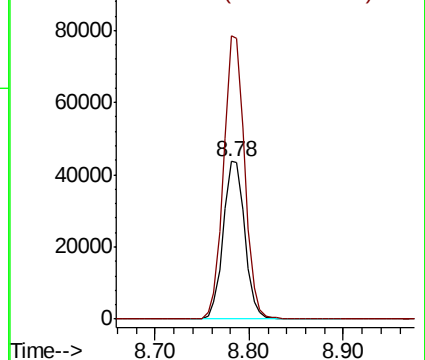
92 100

91 174.3 139.4 209.0



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: 2.448 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Tgt Ion: 97 Resp: 5796

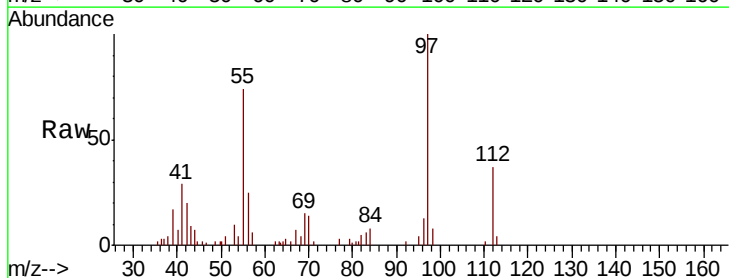
Ion Ratio Lower Upper

97 100

83 5.9 69.2 103.8#

85 0.0 44.6 66.8#

99 0.0 51.2 76.8#

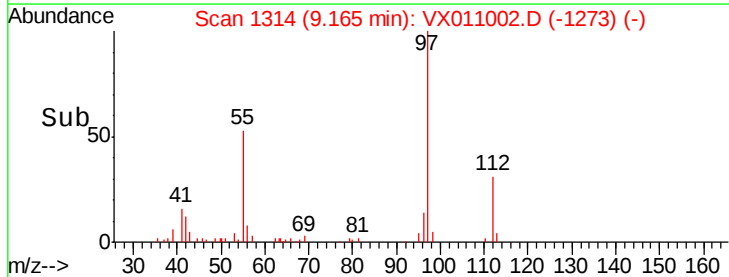
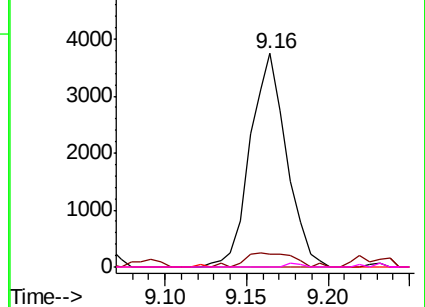


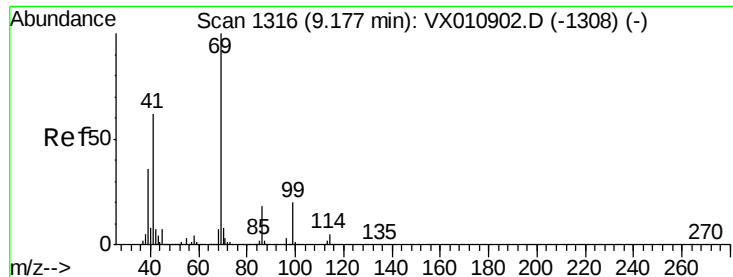
Abundance Ion 96.90 (96.60 to 97.60): VX0

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





#56

Ethyl methacrylate

Concen: 0.369 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

FL-0615

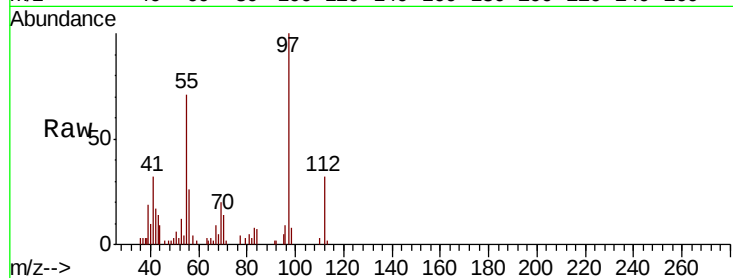
Tot Ion: 69 Resp: 1279

Ion Ratio Lower Upper

69 100

41 133.2 49.7 74.5#

39 92.8 29.6 44.4#

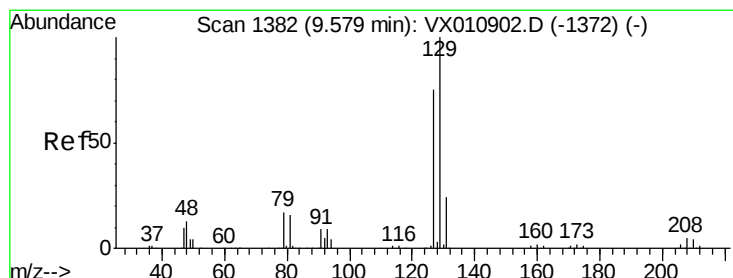
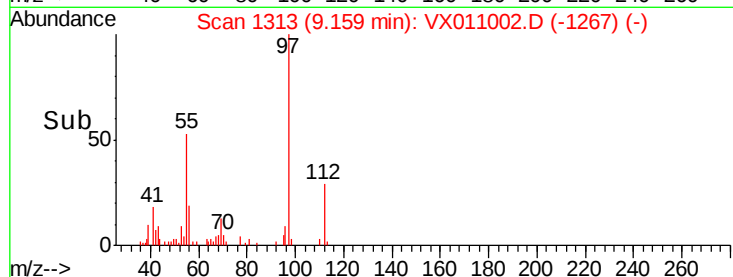


Abundance Ion 69.00 (68.70 to 69.70): VX011002.D (-1267) (-)

Ion 41.00 (40.70 to 41.70): VX011002.D (-1267) (-)

Ion 39.00 (38.70 to 39.70): VX011002.D (-1267) (-)

Time-->



#60

Dibromochloromethane

Concen: 2.551 ug/l

RT: 9.32 min Scan# 1340

Delta R.T. -0.26 min

Lab File: VX011002.D

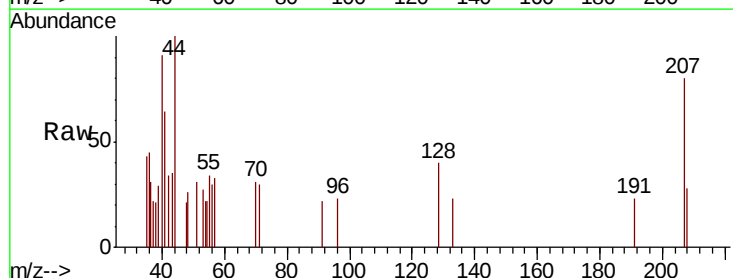
Acq: 19 Jul 2019 15:04

Tgt Ion: 129 Resp: 67

Ion Ratio Lower Upper

129 100

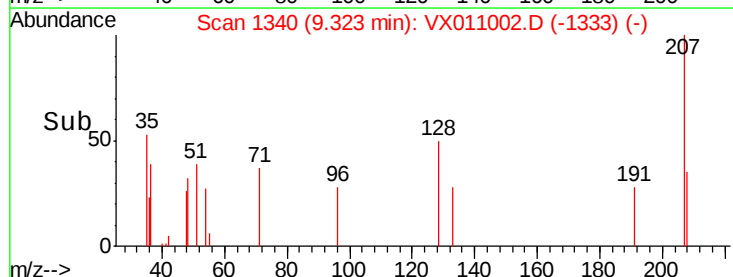
127 0.0 38.6 115.8#

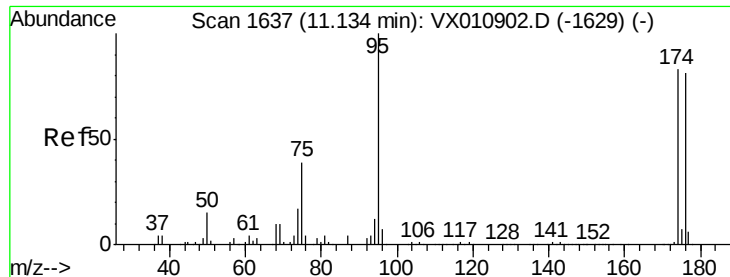


Abundance Ion 128.80 (128.50 to 129.50): VX011002.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX011002.D (-1333) (-)

Time-->





#62

4-Bromofluorobenzene

Concen: 50.659 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

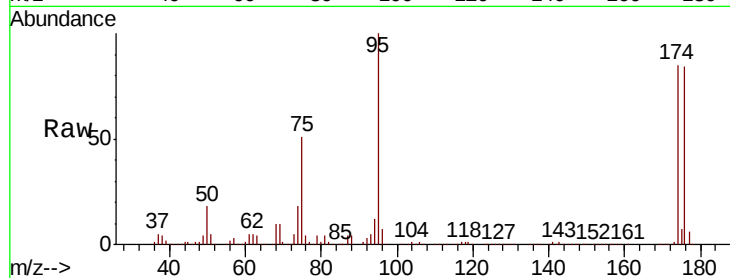
Tot Ion: 95 Resp: 154221

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.6

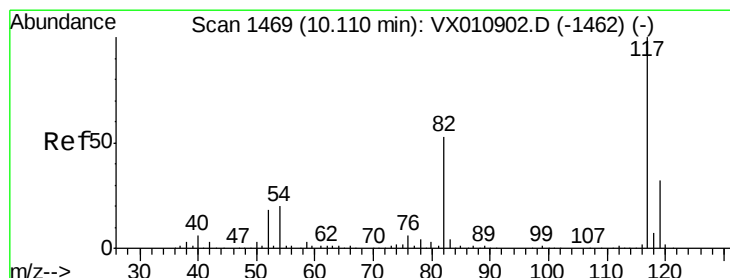
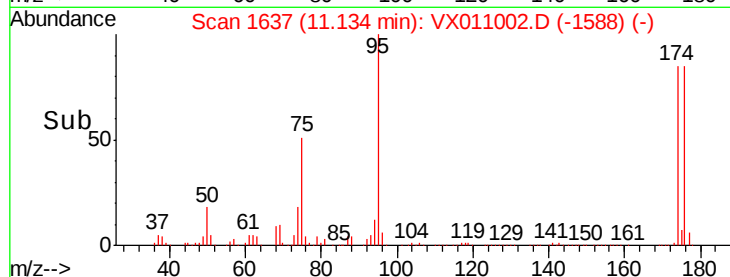
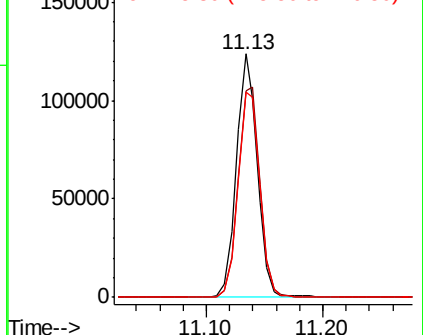
176 88.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

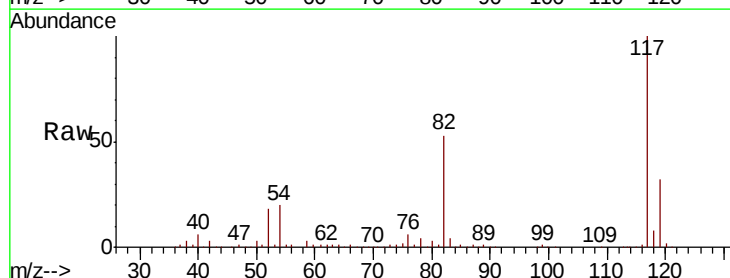
Tgt Ion: 117 Resp: 327269

Ion Ratio Lower Upper

117 100

82 53.2 42.6 63.8

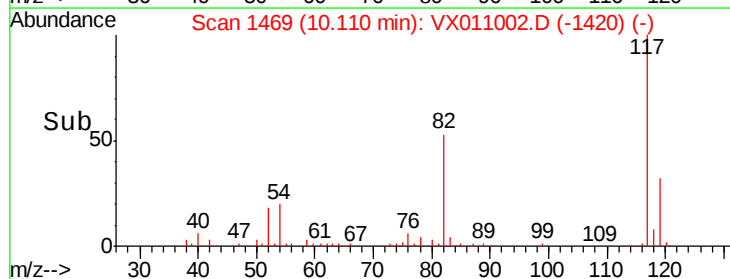
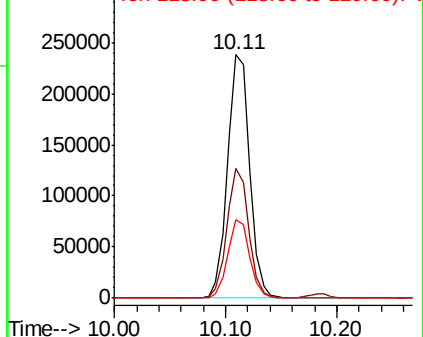
119 32.4 25.9 38.9

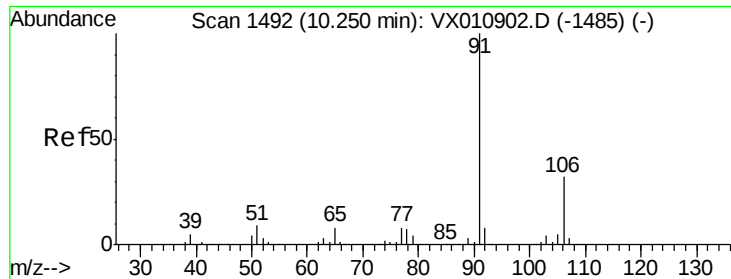


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 16.863 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

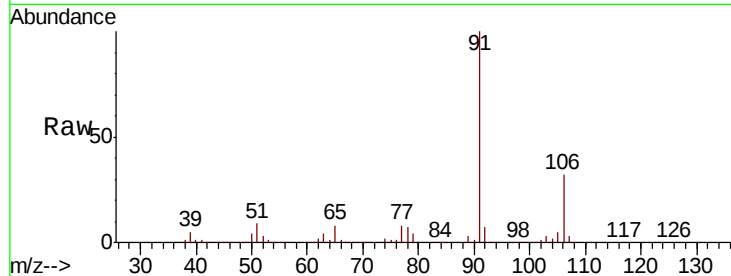
FL-0615

Tot Ion: 91 Resp: 192933

Ion Ratio Lower Upper

91 100

106 31.8 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX010902.D (-1485) (-)

300000

200000

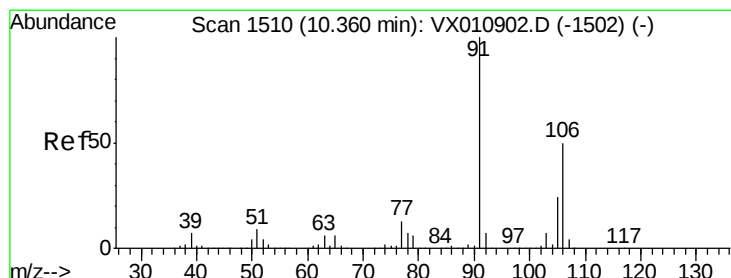
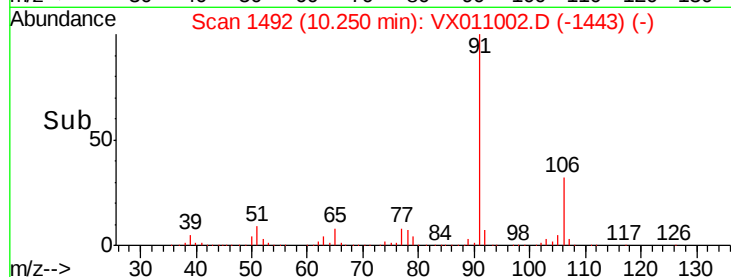
100000

0

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 48.824 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011002.D

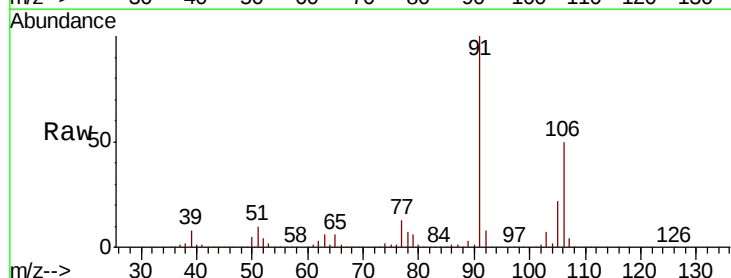
Acq: 19 Jul 2019 15:04

Tgt Ion: 106 Resp: 214279

Ion Ratio Lower Upper

106 100

91 198.6 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VX010902.D (-1502) (-)

Ion 91.00 (90.70 to 91.70): VX010902.D (-1502) (-)

300000

200000

100000

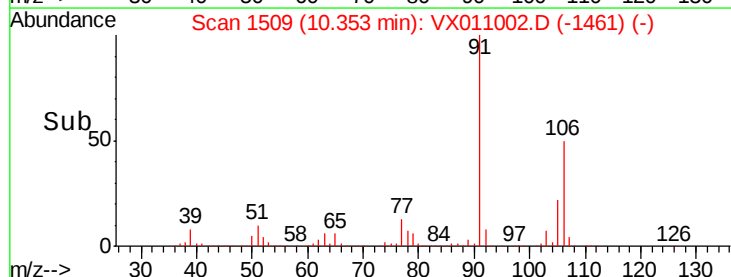
0

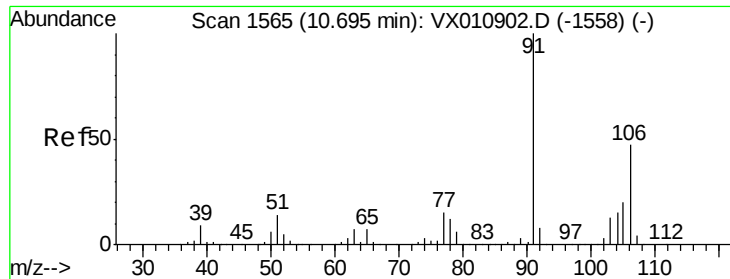
10.35

10.40

10.50

Time-->

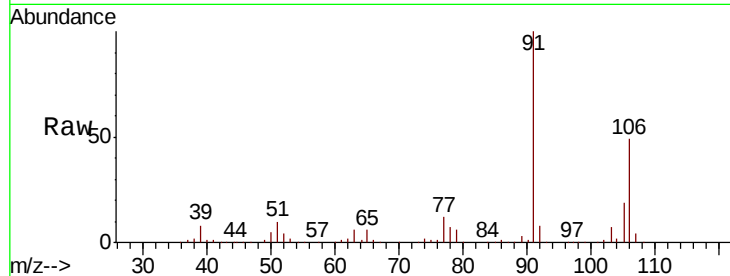




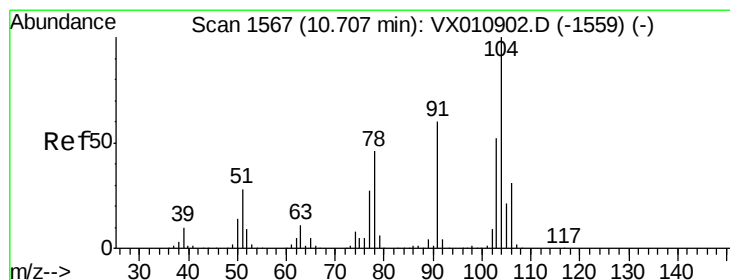
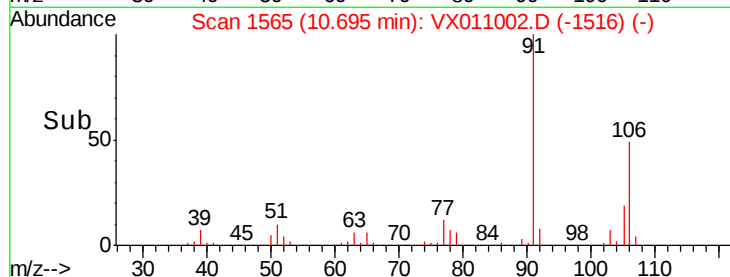
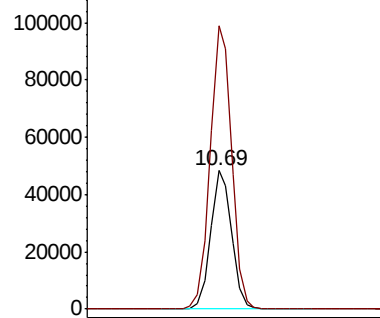
#69
o-Xylene
Concen: 14.259 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Instrument :
MSVOA_X
ClientSampled :
FL-0615

Tot Ion:106 Resp: 61077
Ion Ratio Lower Upper
106 100
91 208.2 105.1 315.3

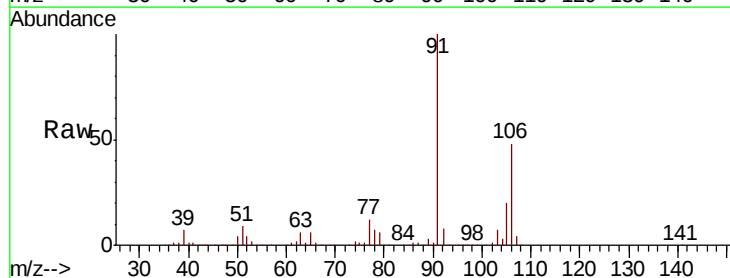


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

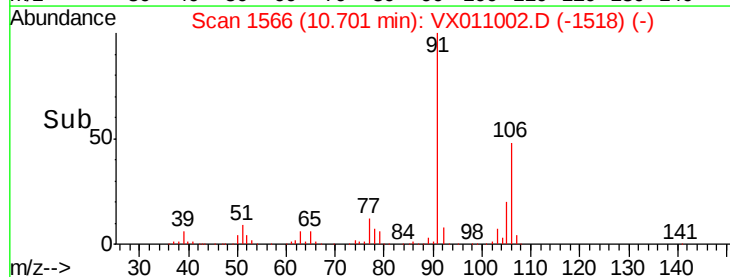
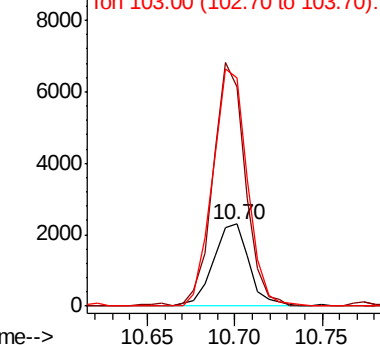


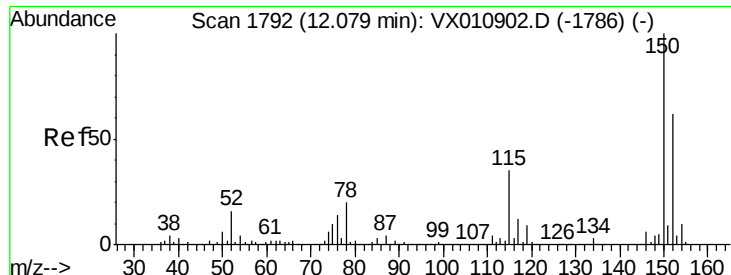
#70
Styrene
Concen: 0.458 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion:104 Resp: 3272
Ion Ratio Lower Upper
104 100
78 269.2 38.8 58.2#
103 278.2 44.2 66.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

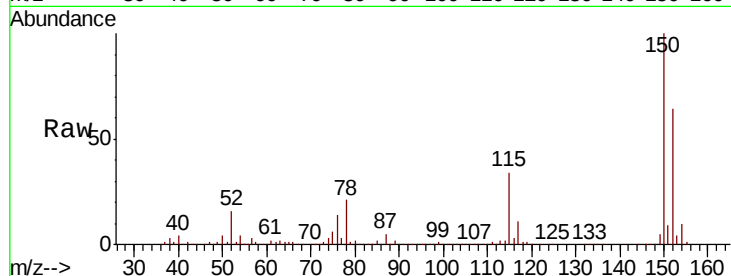
Tot Ion:152 Resp: 161889

Ion Ratio Lower Upper

152 100

115 57.6 39.7 119.1

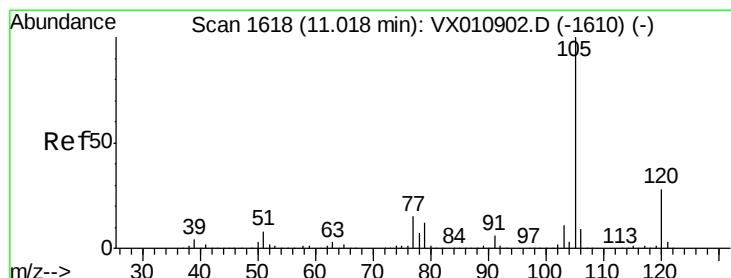
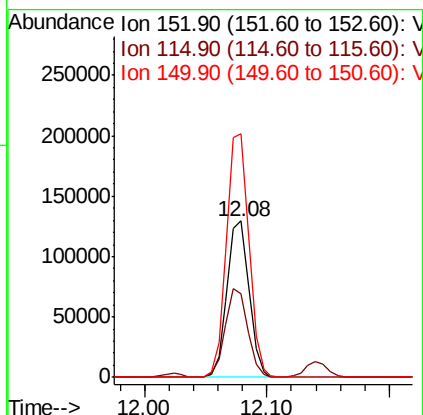
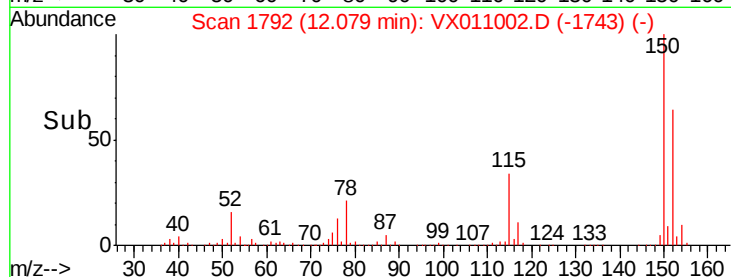
150 157.6 0.0 345.6



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: 9.244 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011002.D

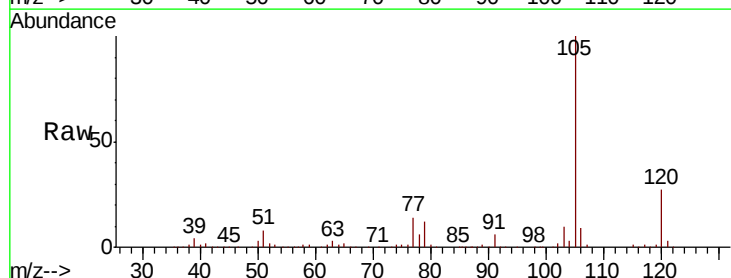
Acq: 19 Jul 2019 15:04

Tgt Ion:105 Resp: 101121

Ion Ratio Lower Upper

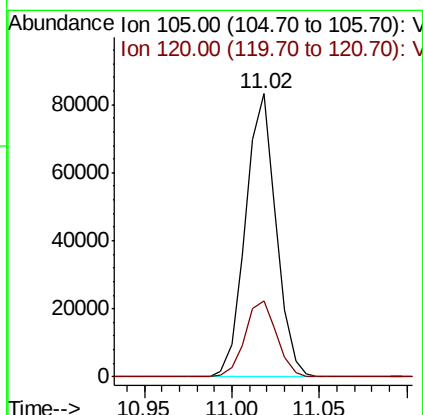
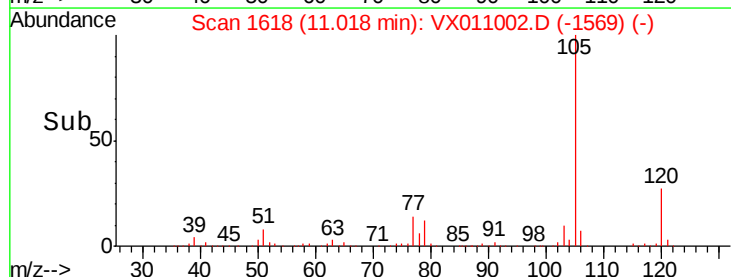
105 100

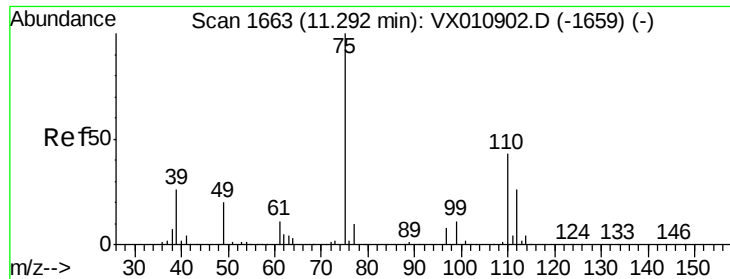
120 27.8 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

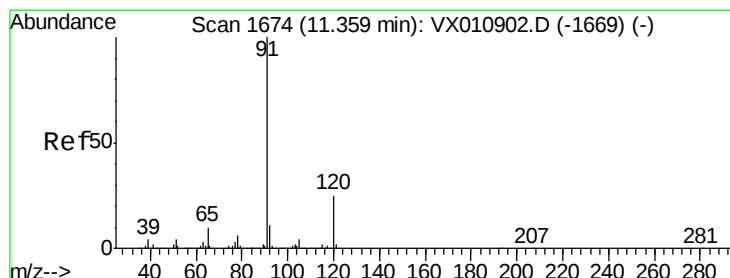
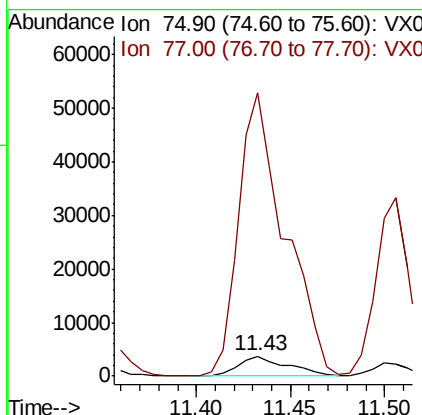
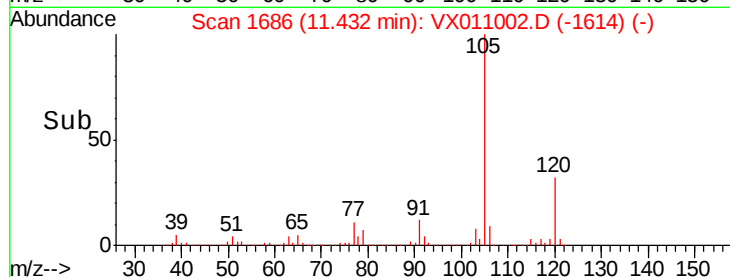
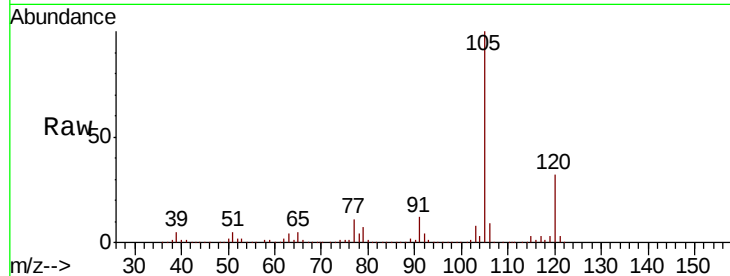




#76
 1,2,3-Trichloropropane
 Concen: 2.263 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.14 min
 Lab File: VX011002.D
 Acq: 19 Jul 2019 15:04

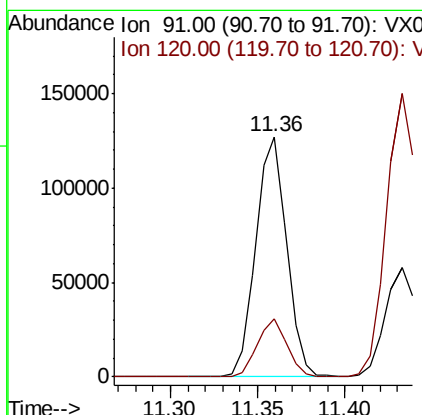
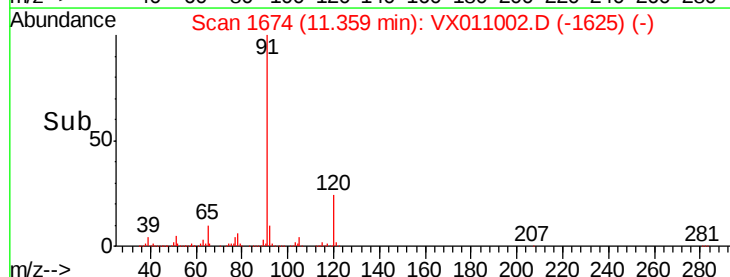
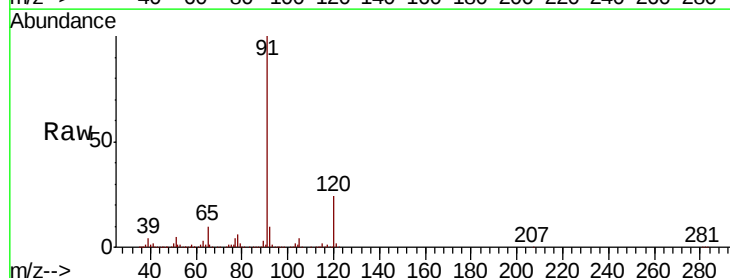
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0615

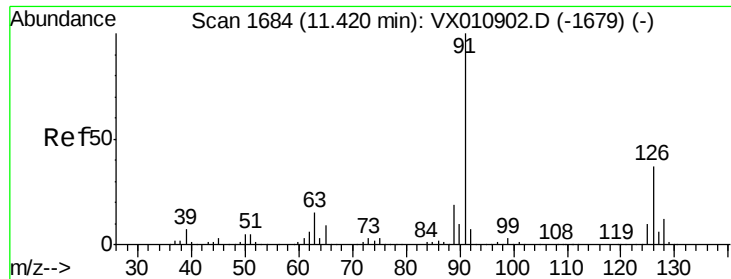
Tot Ion: 75 Resp: 6611
 Ion Ratio Lower Upper
 75 100
 77 1357.6 21.3 64.0#



#78
 n-propylbenzene
 Concen: 12.893 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX011002.D
 Acq: 19 Jul 2019 15:04

Tgt Ion: 91 Resp: 155831
 Ion Ratio Lower Upper
 91 100
 120 23.5 12.3 36.8





#79

2-Chlorotoluene

Concen: 13.360 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

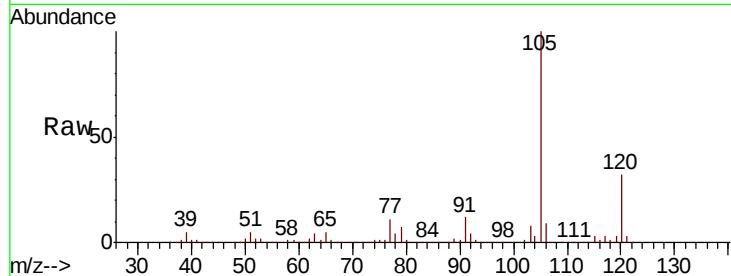
FL-0615

Tot Ion: 91 Resp: 96999

Ion Ratio Lower Upper

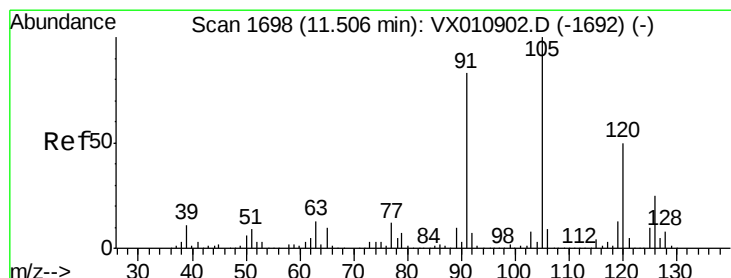
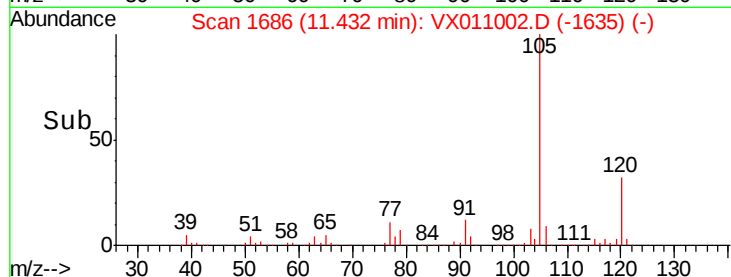
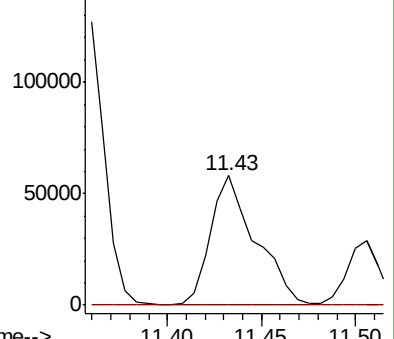
91 100

126 0.0 18.0 54.0#



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: 35.986 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011002.D

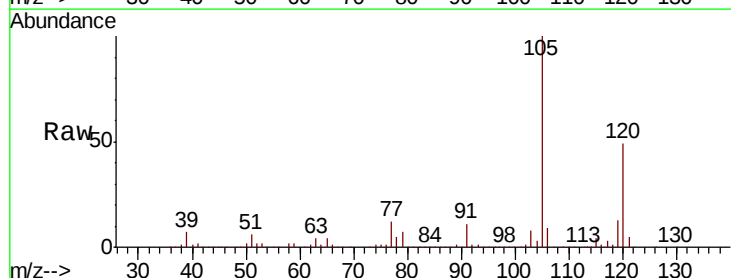
Acq: 19 Jul 2019 15:04

Tgt Ion:105 Resp: 328932

Ion Ratio Lower Upper

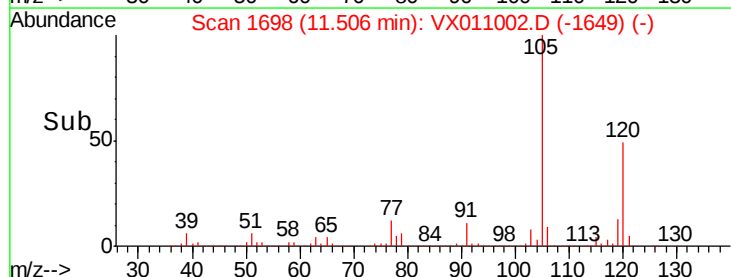
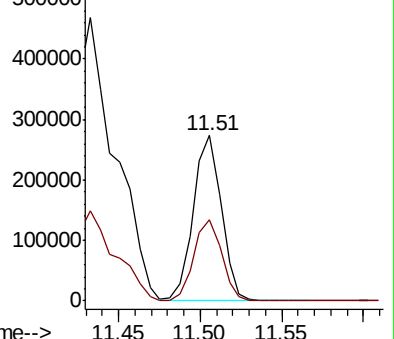
105 100

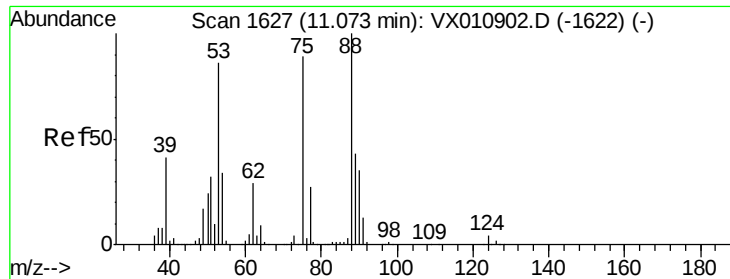
120 49.2 24.6 73.8



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: 65.083 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

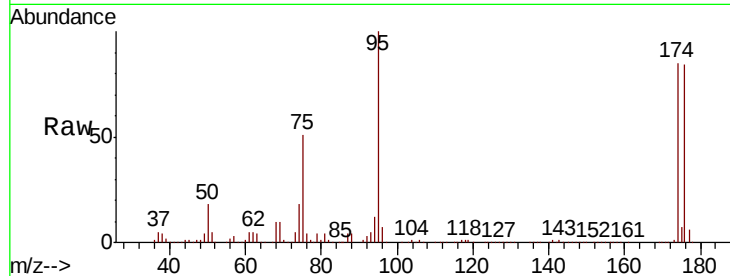
Tot Ion: 75 Resp: 76549

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

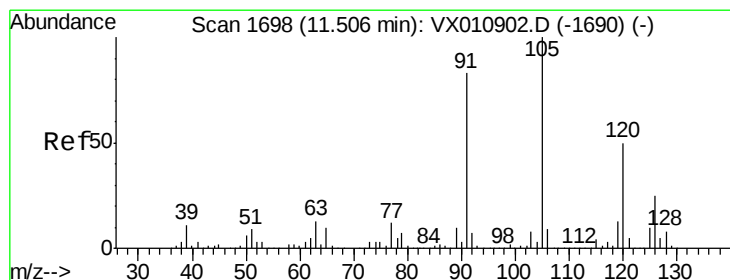
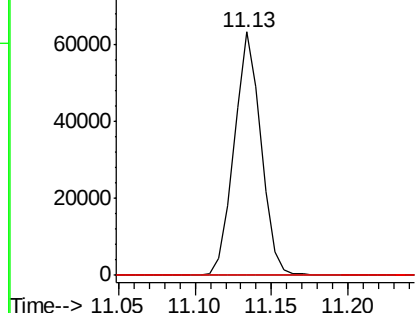
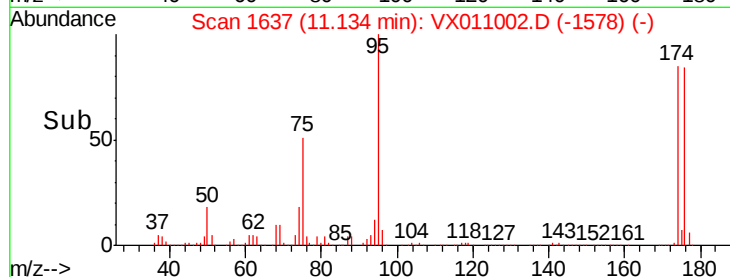
89 0.0 38.5 57.7#



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: 4.207 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011002.D

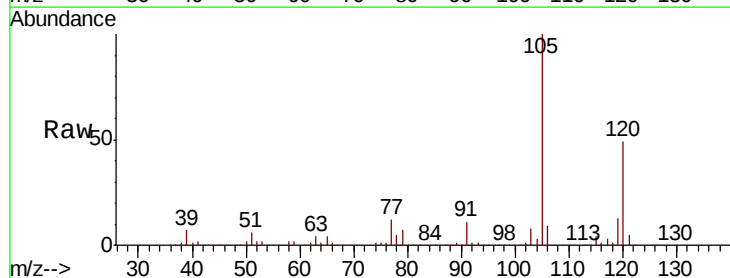
Acq: 19 Jul 2019 15:04

Tgt Ion: 91 Resp: 35555

Ion Ratio Lower Upper

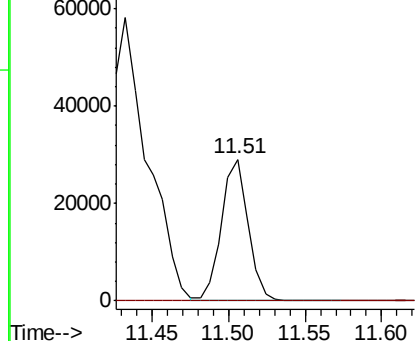
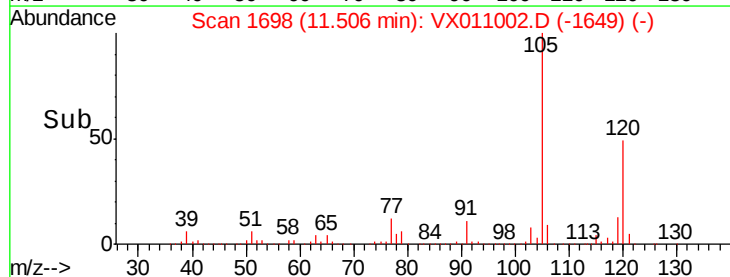
91 100

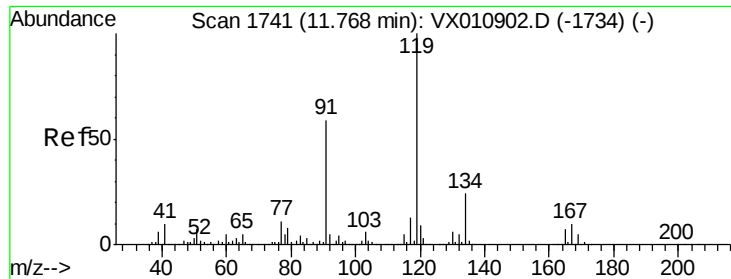
126 0.4 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

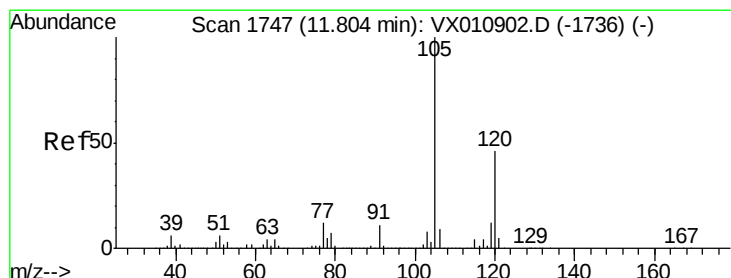
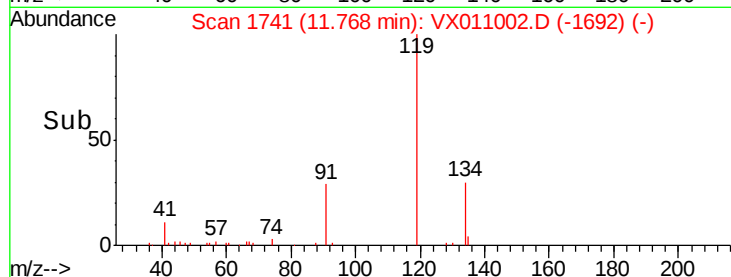
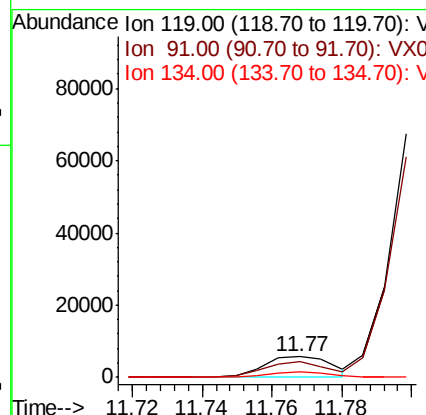
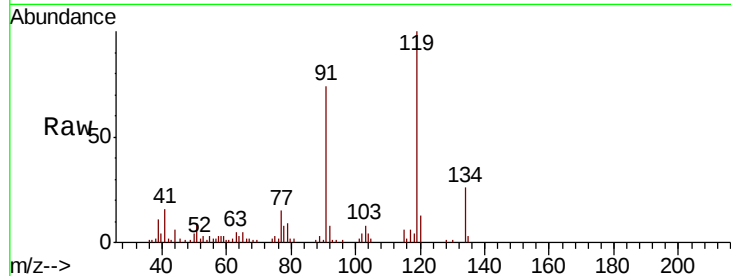




#83
 tert-Butylbenzene
 Concen: 0.884 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011002.D
 Acq: 19 Jul 2019 15:04

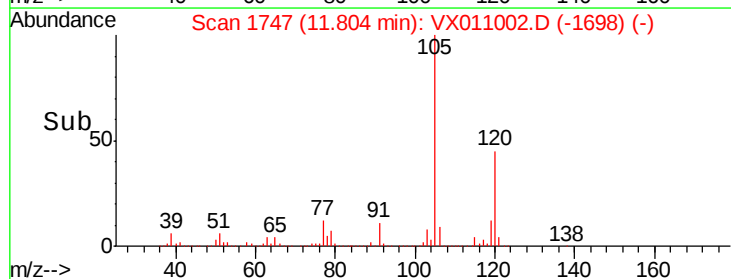
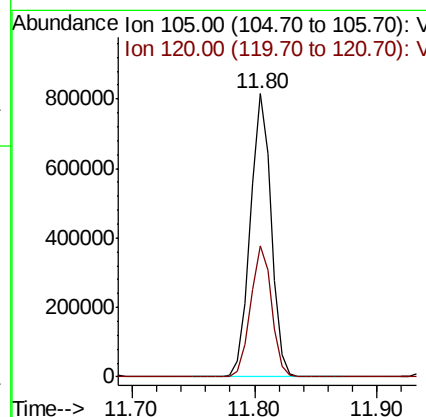
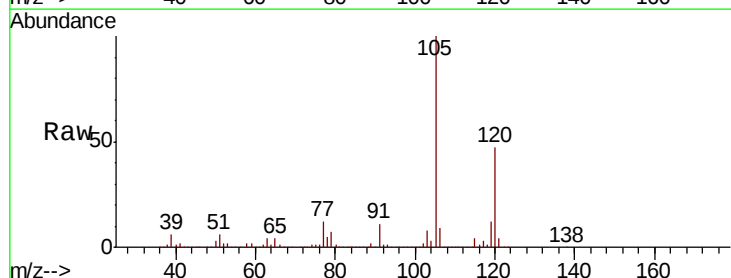
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0615

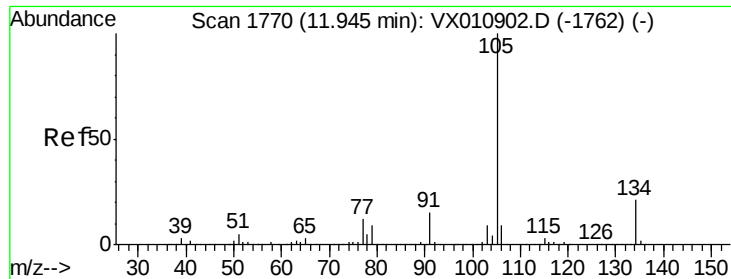
Tot Ion:119 Resp: 7935
 Ion Ratio Lower Upper
 119 100
 91 68.2 28.6 85.8
 134 24.9 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 104.498 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011002.D
 Acq: 19 Jul 2019 15:04

Tgt Ion:105 Resp: 962704
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.5

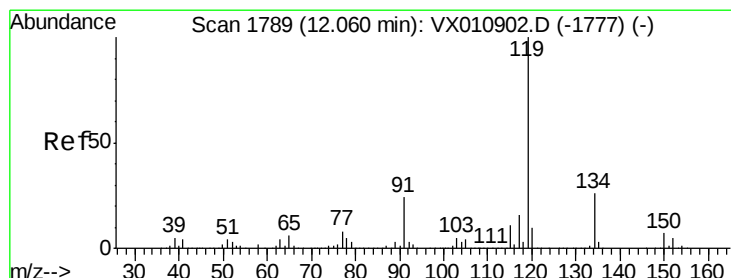
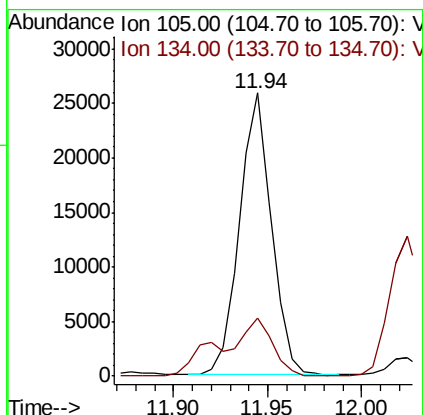
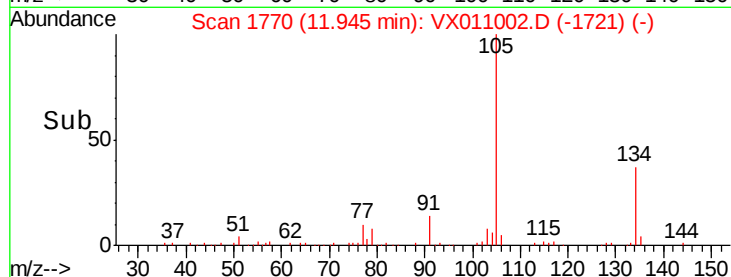
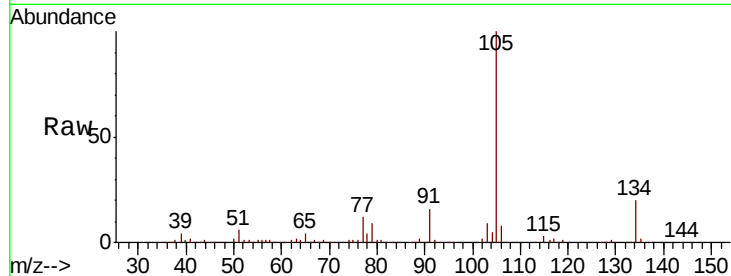




#85
 sec-Butylbenzene
 Concen: 2.879 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011002.D
 Acq: 19 Jul 2019 15:04

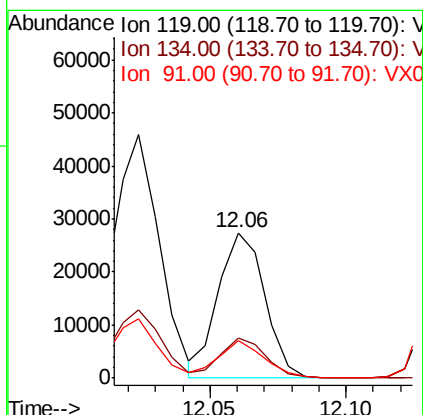
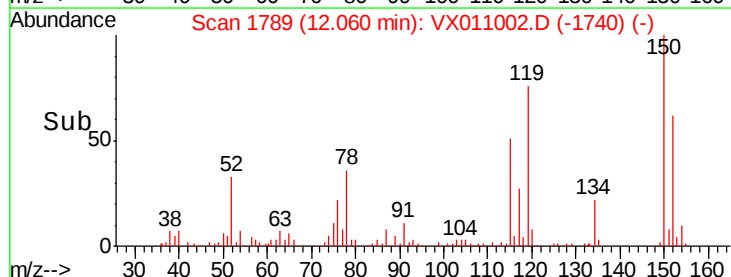
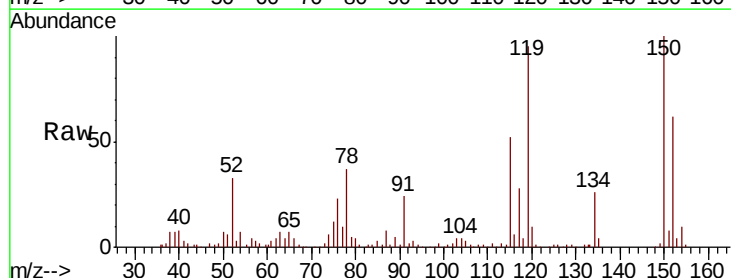
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0615

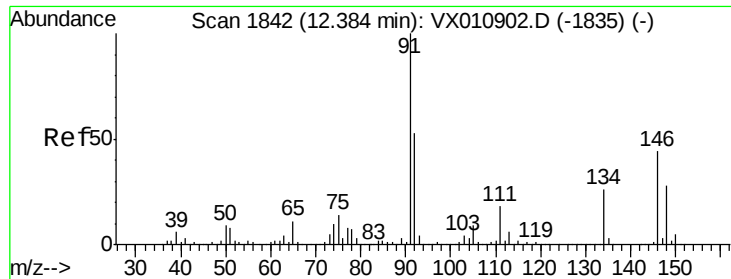
Tot Ion:105 Resp: 30283
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 3.359 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011002.D
 Acq: 19 Jul 2019 15:04

Tgt Ion:119 Resp: 32665
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.1
 91 24.7 11.8 35.4

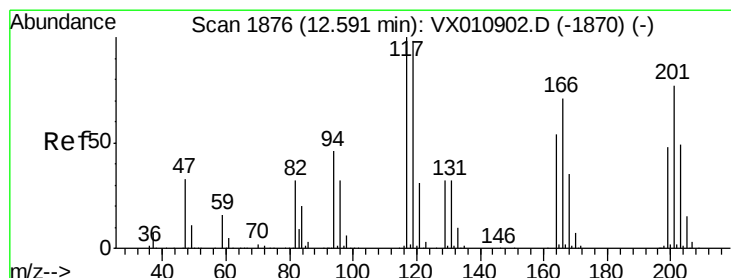
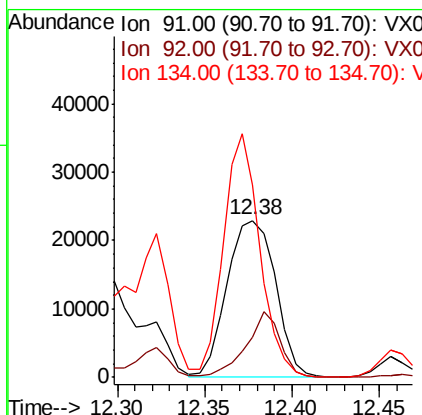
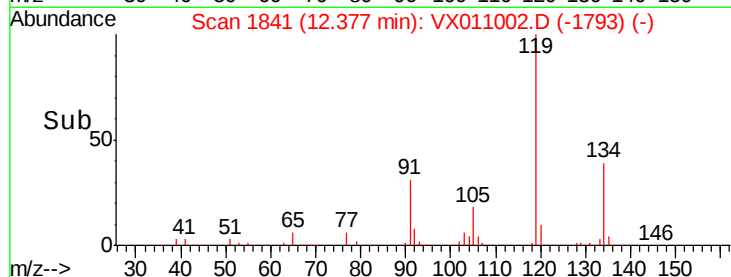
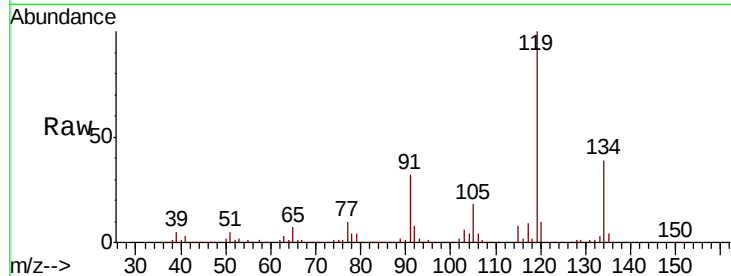




#89
n-Butylbenzene
Concen: 5.287 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

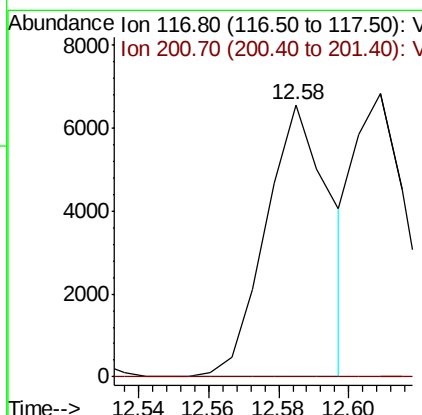
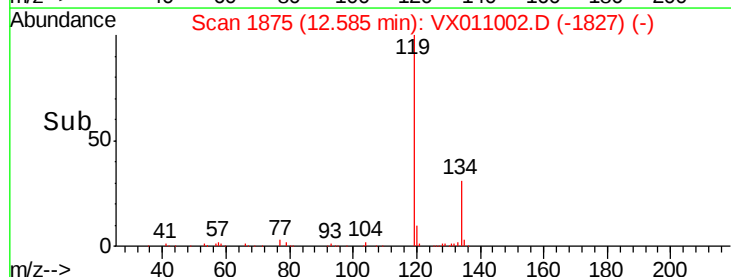
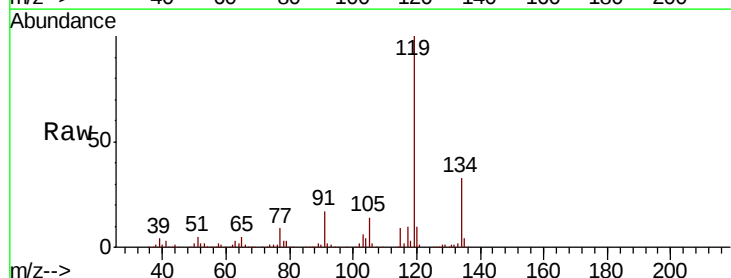
Instrument :
MSVOA_X
ClientSampled :
FL-0615

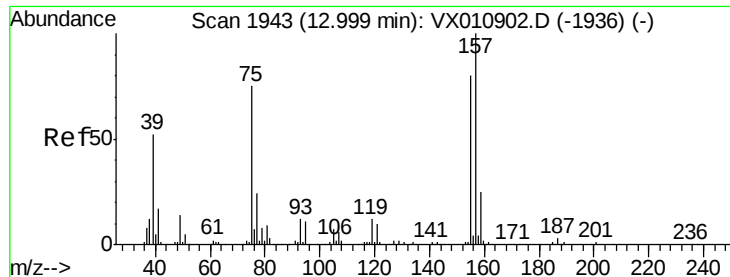
Tot Ion: 91 Resp: 43989
Ion Ratio Lower Upper
91 100
92 29.6 26.2 78.5
134 115.4 13.8 41.3#



#90
Hexachloroethane
Concen: 5.482 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion: 117 Resp: 8410
Ion Ratio Lower Upper
117 100
201 0.0 43.3 129.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.550 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

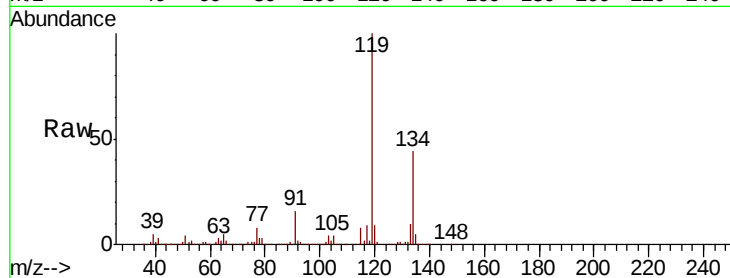
Tot Ion: 75 Resp: 1160

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

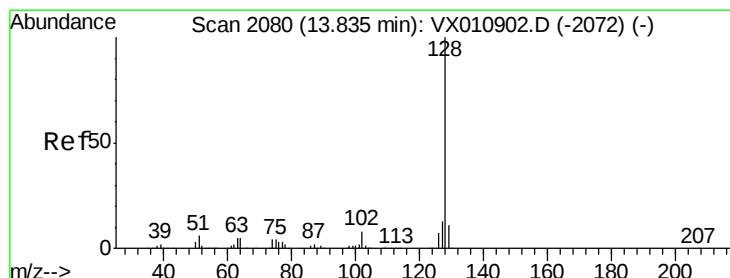
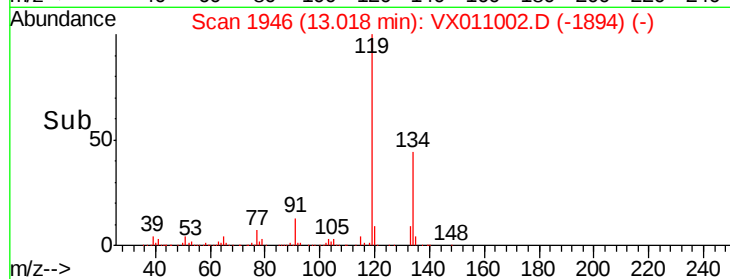
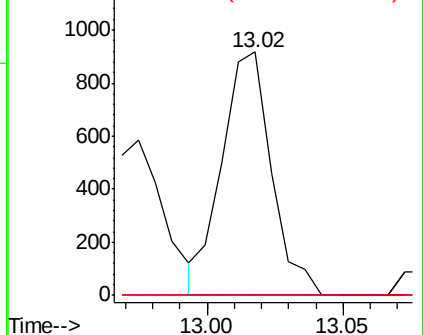
157 0.0 62.5 187.6#



Abundance Ion 74.90 (74.60 to 75.60): VX011002.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX011002.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX011002.D (-1894) (-)



#95

Naphthalene

Concen: 12.099 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

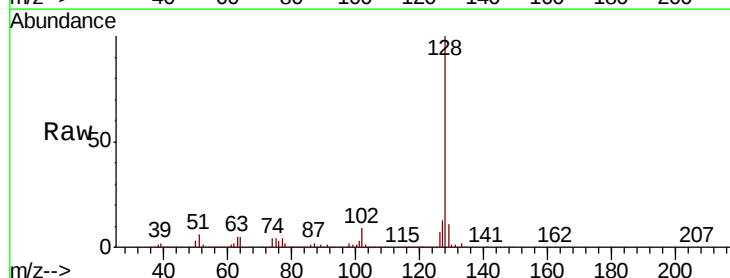
Tgt Ion: 128 Resp: 125653

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 12.5 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX011002.D (-2031) (-)

Ion 127.00 (126.70 to 127.70): VX011002.D (-2031) (-)

Ion 129.00 (128.70 to 129.70): VX011002.D (-2031) (-)

