

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010916.D
 Acq On : 16 Jul 2019 19:02
 Operator : JC/SP
 Sample : K3791-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0610

Quant Time: Jul 17 05:04:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	231063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358694	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176078	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119098	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	5.50	113	109839	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	8.71	98	440703	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.13	95	160431	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	98	0.586	ug/l #	43
5) Bromomethane	1.66	94	599	0.490	ug/l	82
6) Chloroethane	1.78	64	554	0.402	ug/l #	78
13) Acrolein	2.26	56	251	0.759	ug/l #	1
14) Allyl chloride	2.85	41	51549	17.243	ug/l #	63
15) Acrylonitrile	3.18	53	10201	8.818	ug/l #	40
16) Acetone	2.45	43	9713	8.749	ug/l	98
18) Methyl Acetate	2.85	43	126531	50.052	ug/l #	48
20) Methylene Chloride	2.86	84	658	0.280	ug/l #	1
25) 2-Butanone	4.68	43	1850	1.161	ug/l #	88
26) 2,2-Dichloropropane	4.40	77	3249	1.081	ug/l #	50
30) Chloroform	5.27	83	1472	0.372	ug/l #	31
31) Cyclohexane	5.58	56	345007	103.370	ug/l	99
36) 1,1-Dichloropropene	5.66	75	15592	5.292	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21452	6.987	ug/l #	17
39) Methylcyclohexane	7.47	83	1983306	519.076	ug/l	99
40) Benzene	6.15	78	3890	0.431	ug/l	97
41) Methacrylonitrile	5.06	41	389	0.227	ug/l #	47
43) Isopropyl Acetate	6.46	43	21333	4.300	ug/l #	63
45) 1,2-Dichloropropane	7.46	63	18549	8.075	ug/l #	1
47) Bromodichloromethane	7.85	83	2371	0.811	ug/l #	75
48) Methyl methacrylate	7.73	41	73556	30.437	ug/l #	53
51) 4-Methyl-2-Pentanone	8.66	43	19723	6.133	ug/l #	35
52) Toluene	8.79	92	5951	1.004	ug/l	96
55) 1,1,2-Trichloroethane	9.16	97	68792	28.179	ug/l #	19
56) Ethyl methacrylate	9.16	69	13626	3.816	ug/l #	1
59) 2-Hexanone	9.50	43	879	0.352	ug/l #	58
60) Dibromochloromethane	9.46	129	38	2.541	ug/l #	11
67) Ethyl Benzene	10.25	91	130268	11.114	ug/l	96
68) m/p-Xylenes	10.36	106	201860	44.898	ug/l	98
69) o-Xylene	10.69	106	60848	13.867	ug/l	96
70) Styrene	10.69	104	3095	0.423	ug/l #	1
73) Isopropylbenzene	11.02	105	233066	19.589	ug/l	100
74) N-ethyl acetate	10.91	43	2049	0.451	ug/l #	1

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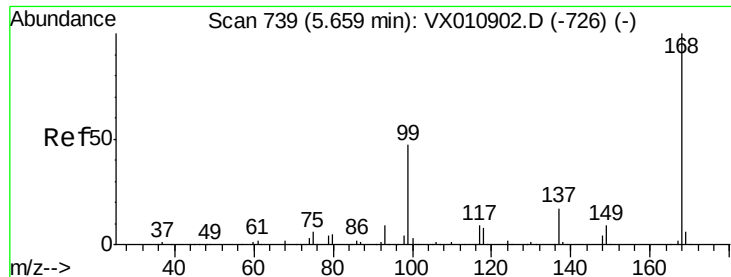
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0610

Quant Time: Jul 17 05:04:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 1,1,2,2-Tetrachloroethane	11.27	83	2538	0.652	ug/l #	42
76) 1,2,3-Trichloropropane	11.43	75	30099	9.473	ug/l #	1
78) n-propylbenzene	11.36	91	326943	24.870	ug/l	100
79) 2-Chlorotoluene	11.43	91	442431	56.025	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	1745293	175.554	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	2661	5.933	ug/l #	52
82) 4-Chlorotoluene	11.51	91	190416	20.717	ug/l #	43
83) tert-Butylbenzene	11.77	119	17182	1.760	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	2899322	289.349	ug/l	100
85) sec-Butylbenzene	11.80	105	2899290	253.385	ug/l #	55
86) p-Isopropyltoluene	12.06	119	196108	18.539	ug/l	100
89) n-Butylbenzene	12.37	91	113038	12.490	ug/l #	1
90) Hexachloroethane	12.58	117	30070	18.022	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	3117	3.830	ug/l #	1
95) Naphthalene	13.83	128	231190	20.467	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

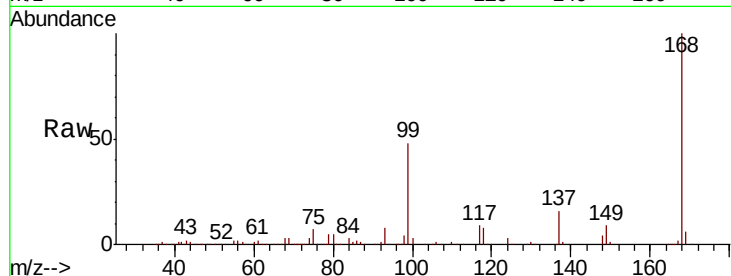
FL-0610

Tot Ion:168 Resp: 231063

Ion Ratio Lower Upper

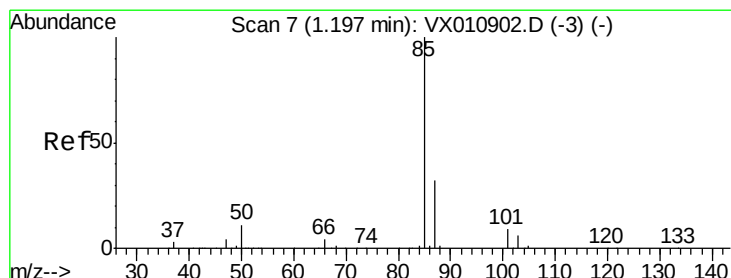
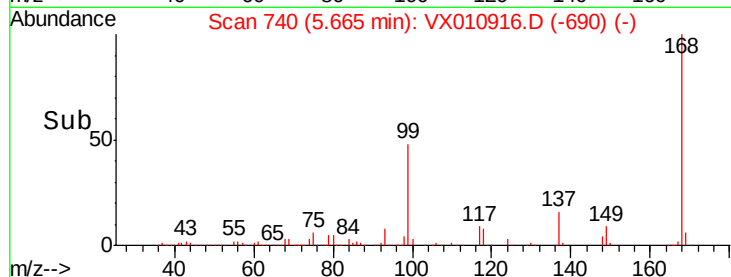
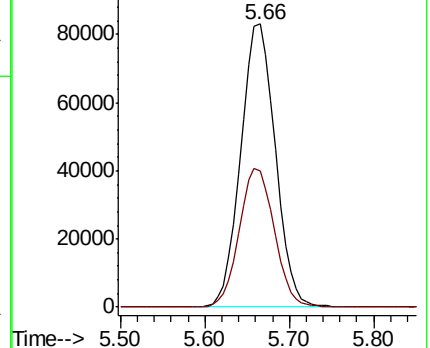
168 100

99 48.1 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: 0.586 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010916.D

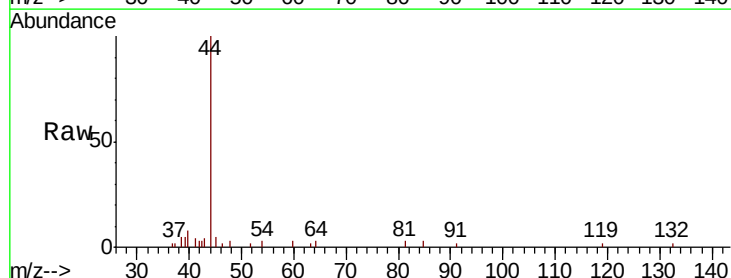
Acq: 16 Jul 2019 19:02

Tgt Ion: 85 Resp: 98

Ion Ratio Lower Upper

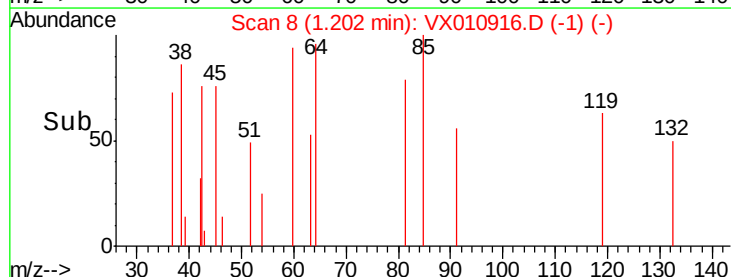
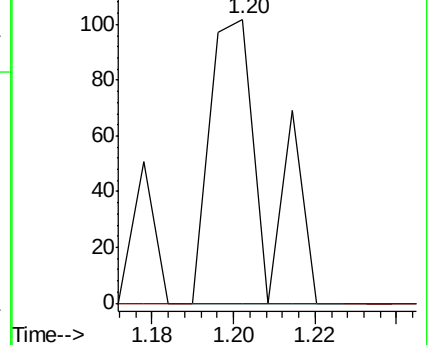
85 100

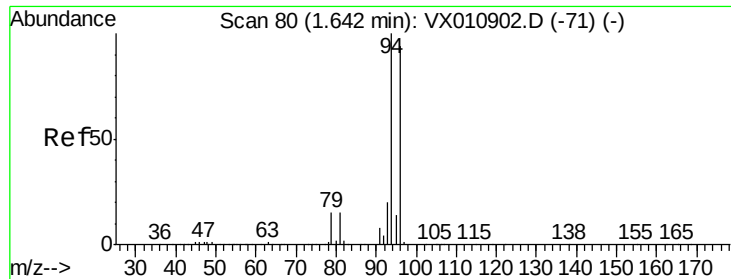
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.490 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

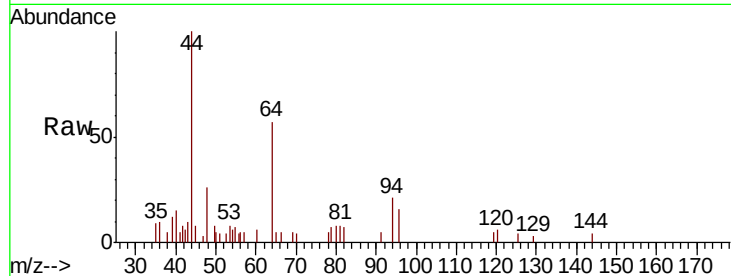
FL-0610

Tot Ion: 94 Resp: 599

Ion Ratio Lower Upper

94 100

96 77.3 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

300

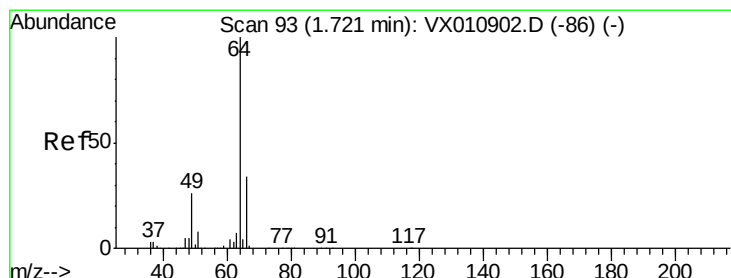
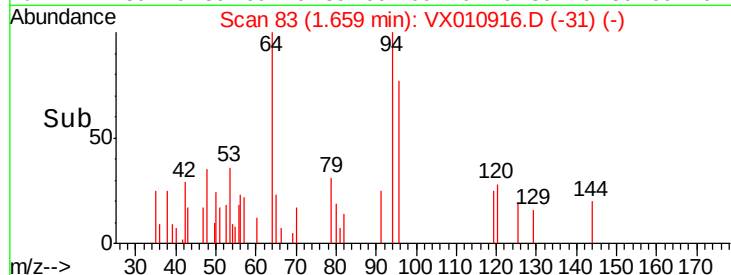
200

100

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.402 ug/l

RT: 1.78 min Scan# 103

Delta R.T. 0.06 min

Lab File: VX010916.D

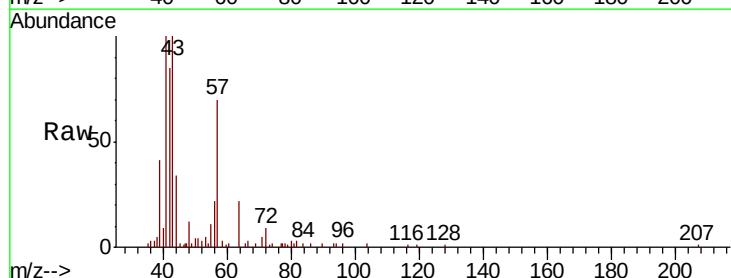
Acq: 16 Jul 2019 19:02

Tgt Ion: 64 Resp: 554

Ion Ratio Lower Upper

64 100

66 21.2 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.78

1000

800

600

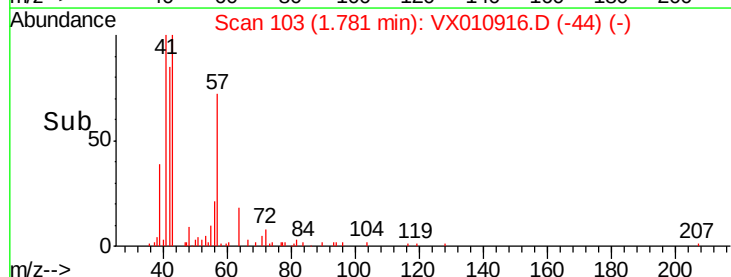
400

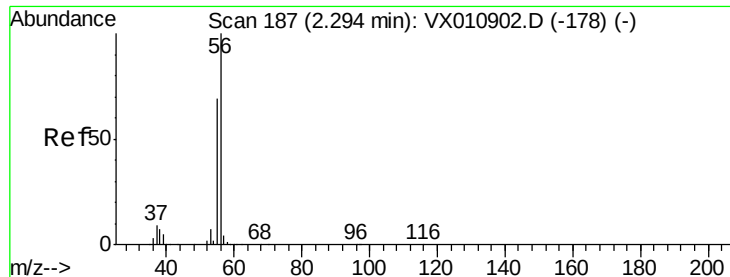
200

0

1.74 1.76 1.78 1.80

Time-->





#13

Acrolein

Concen: 0.759 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

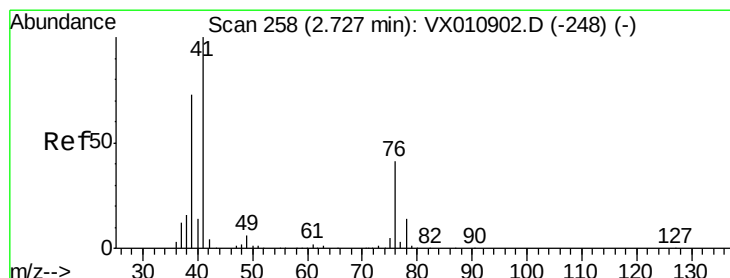
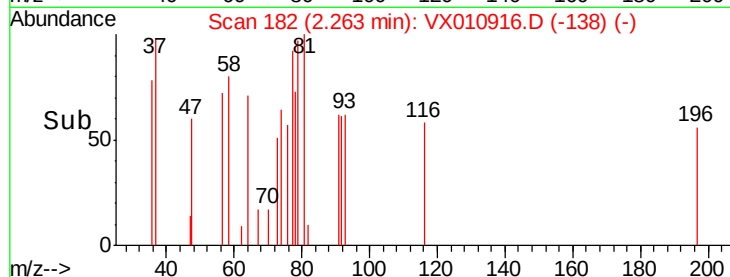
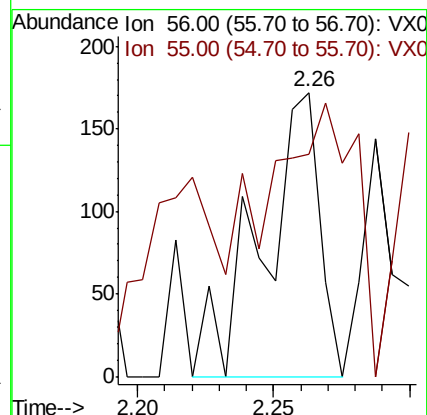
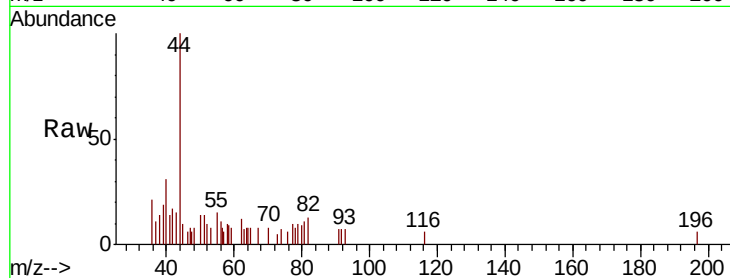
FL-0610

Tot Ion: 56 Resp: 251

Ion Ratio Lower Upper

56 100

55 151.4 55.9 83.9#



#14

Allyl chloride

Concen: 17.243 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

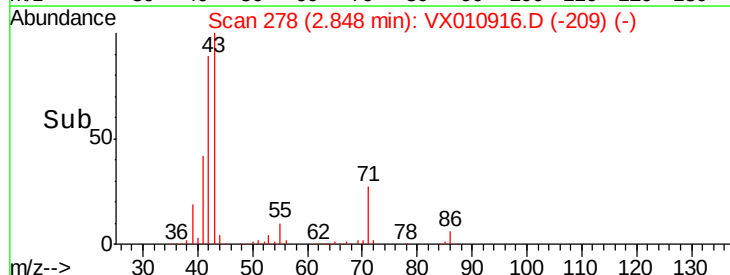
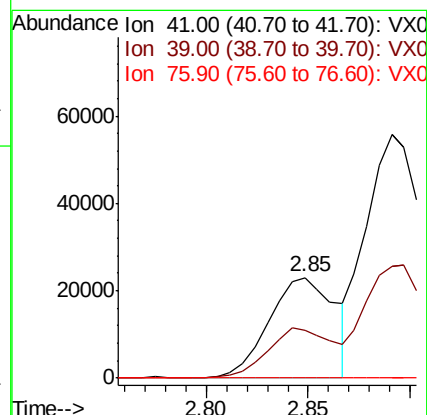
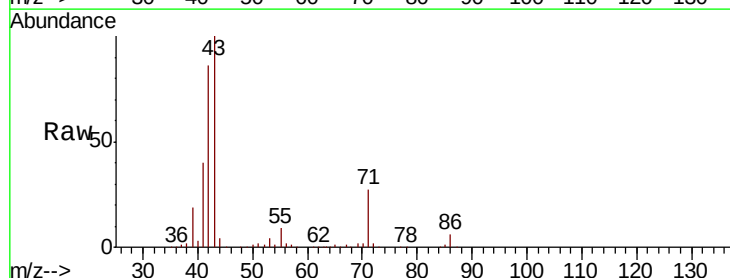
Tgt Ion: 41 Resp: 51549

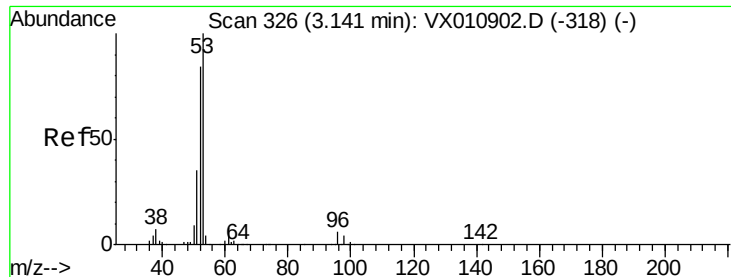
Ion Ratio Lower Upper

41 100

39 48.5 53.6 80.4#

76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 8.818 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

FL-0610

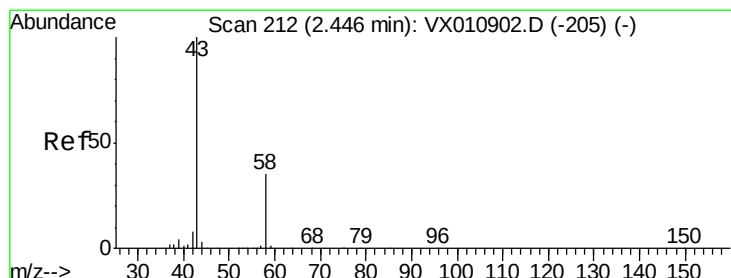
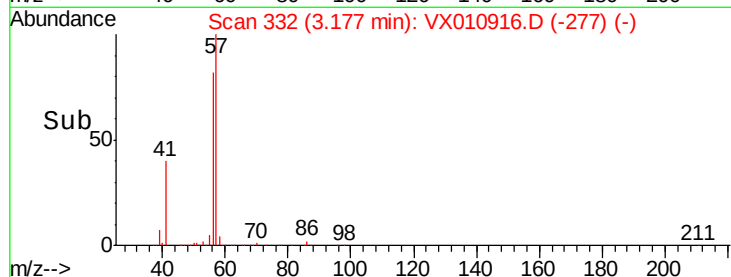
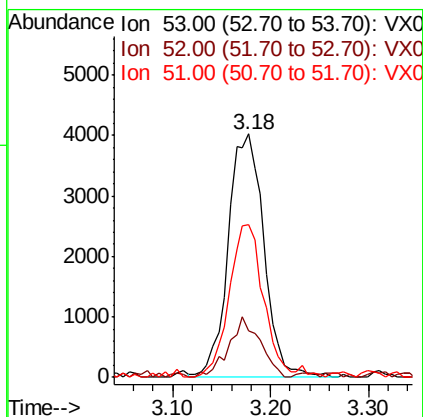
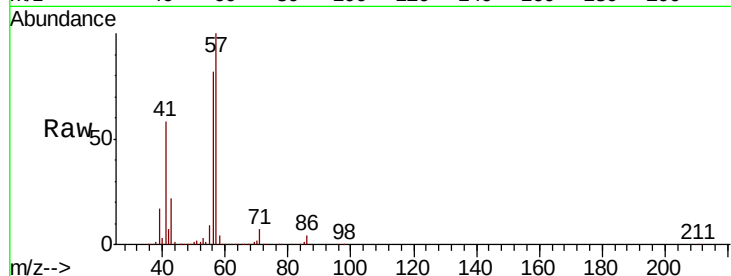
Tot Ion: 53 Resp: 10201

Ion Ratio Lower Upper

53 100

52 21.9 66.5 99.7#

51 60.0 28.2 42.4#



#16

Acetone

Concen: 8.749 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010916.D

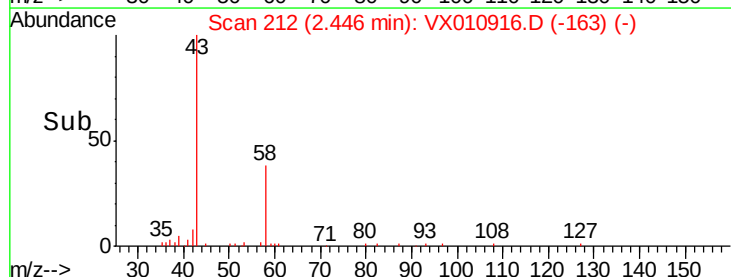
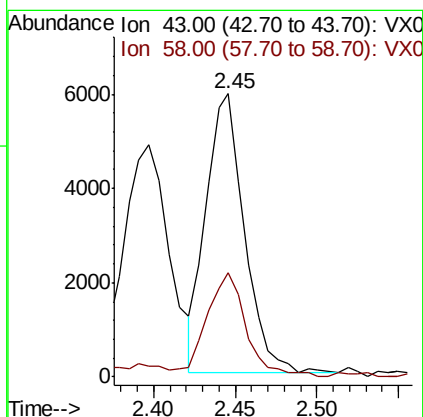
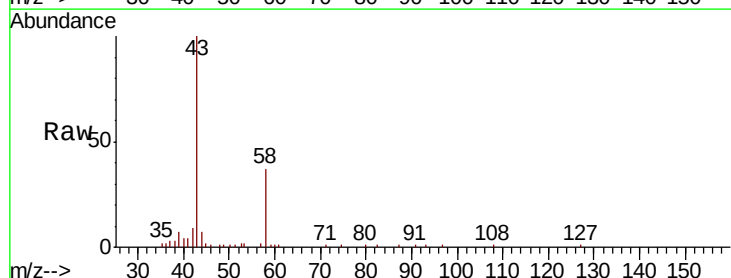
Acq: 16 Jul 2019 19:02

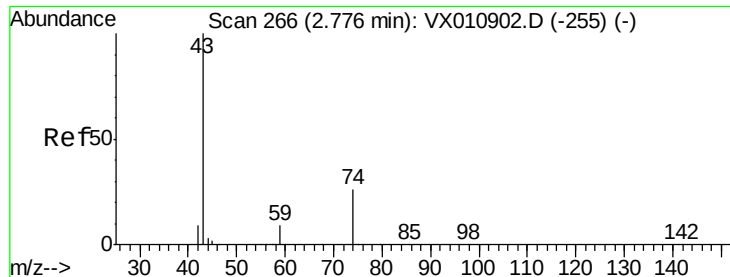
Tgt Ion: 43 Resp: 9713

Ion Ratio Lower Upper

43 100

58 35.9 27.7 41.5

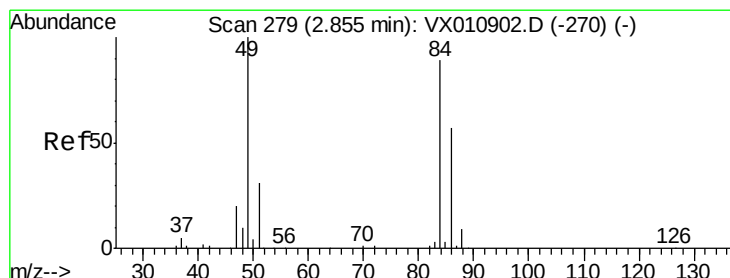
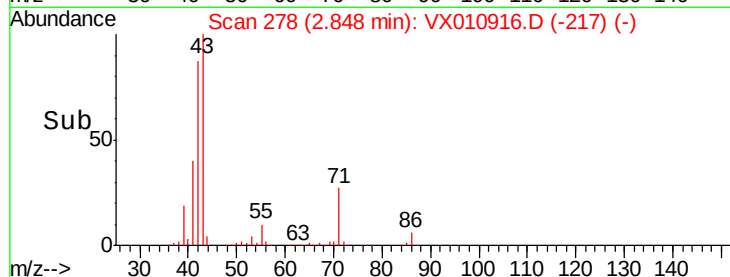
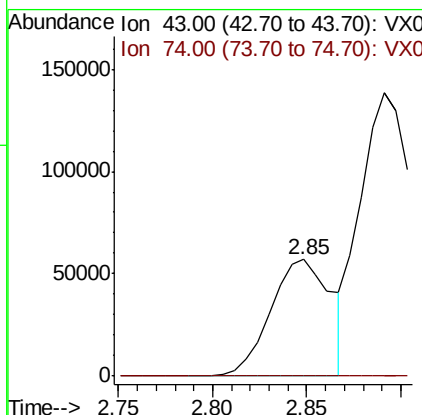
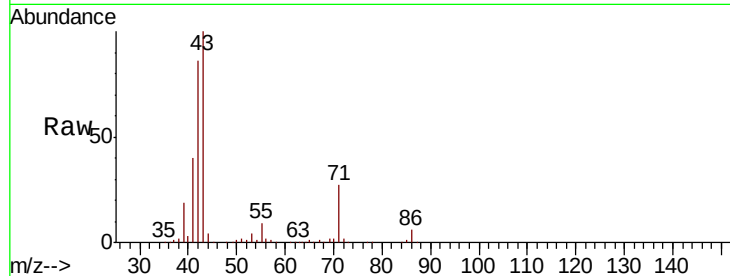




#18
Methyl Acetate
Concen: 50.052 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

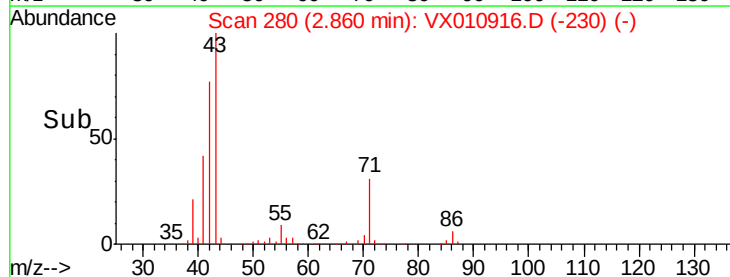
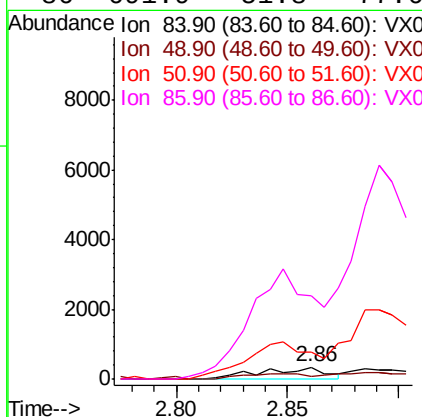
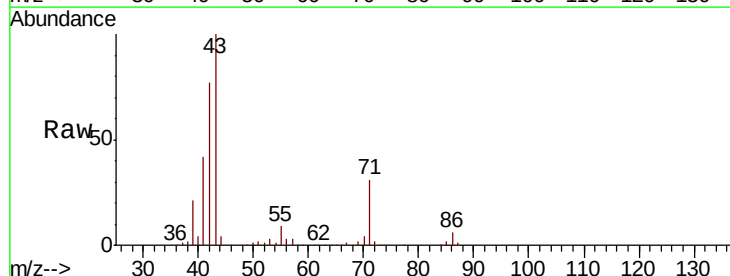
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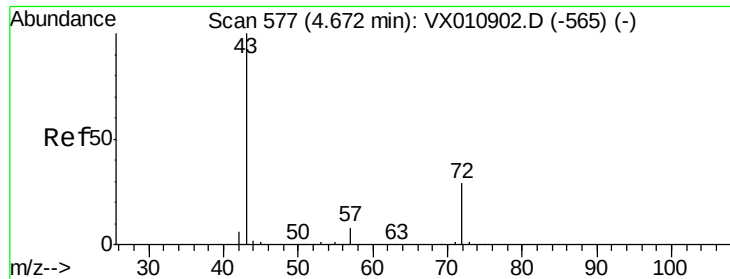
Tot Ion: 43 Resp: 126531
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#



#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion: 84 Resp: 658
Ion Ratio Lower Upper
84 100
49 19.5 89.9 134.9#
51 227.0 27.8 41.6#
86 691.9 51.8 77.6#





#25

2-Butanone

Concen: 1.161 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

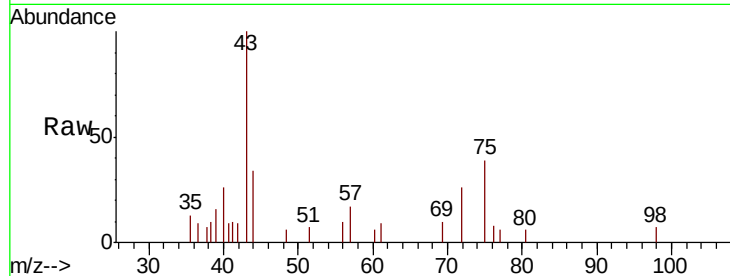
FL-0610

Tot Ion: 43 Resp: 1850

Ion Ratio Lower Upper

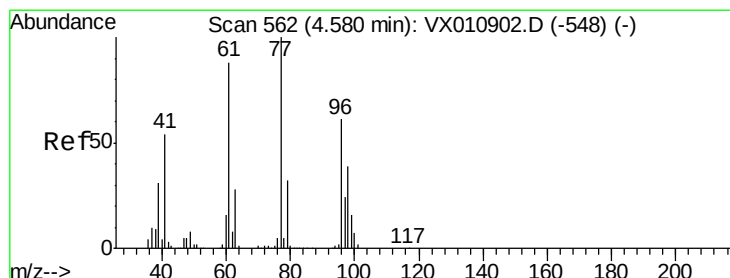
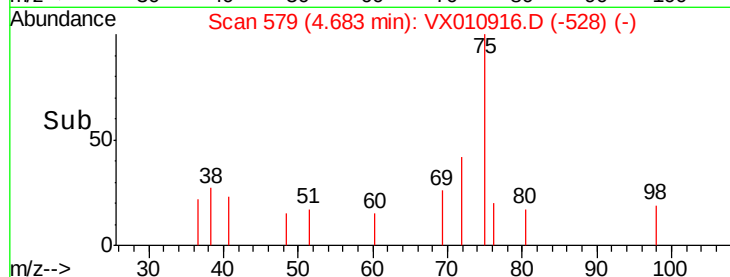
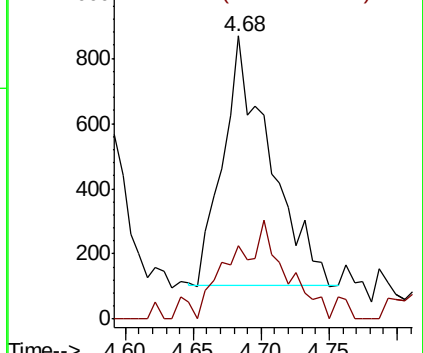
43 100

72 22.5 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 1.081 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.18 min

Lab File: VX010916.D

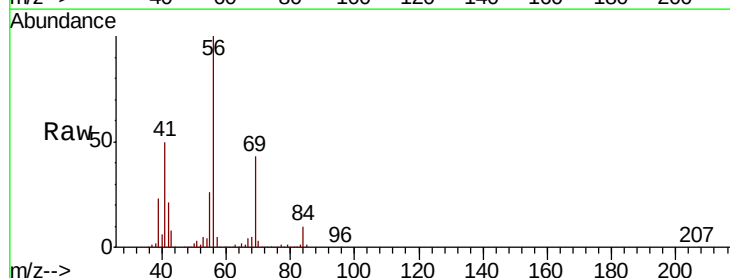
Acq: 16 Jul 2019 19:02

Tgt Ion: 77 Resp: 3249

Ion Ratio Lower Upper

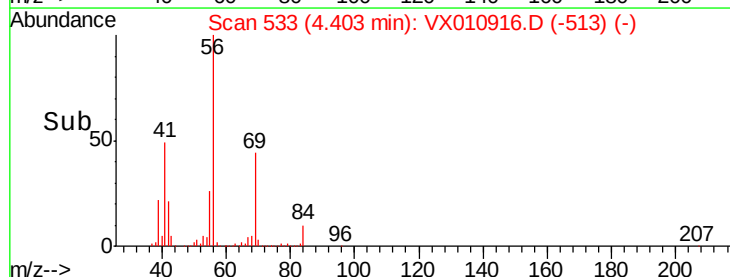
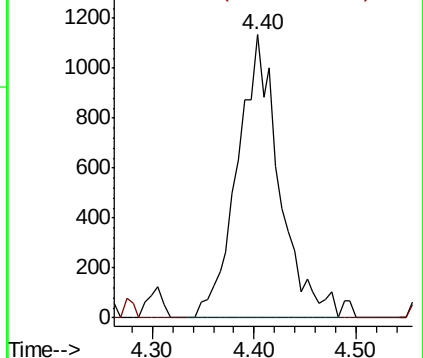
77 100

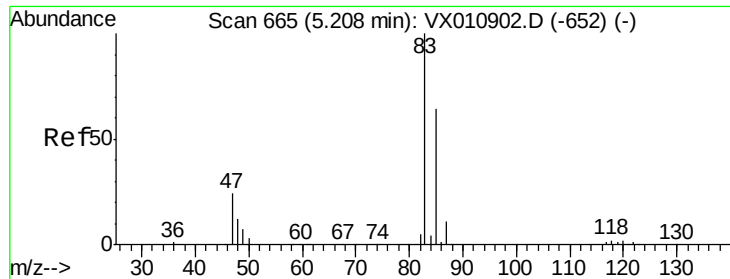
97 0.0 12.6 37.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

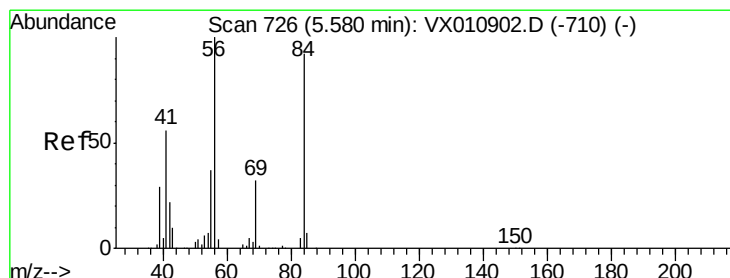
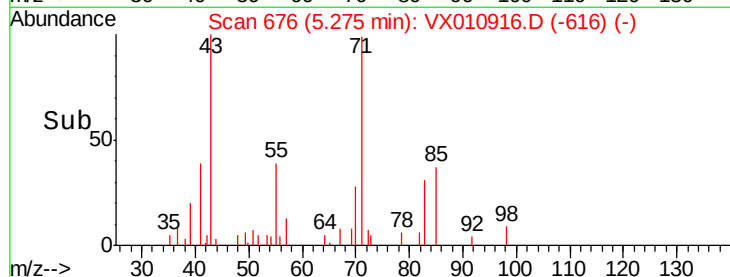
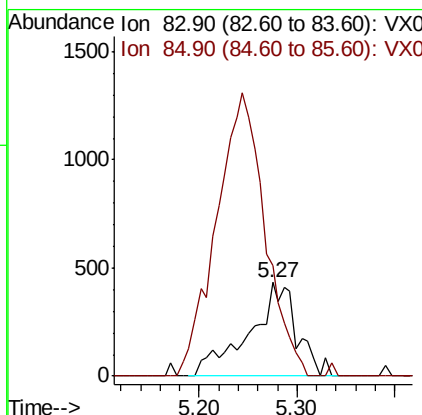
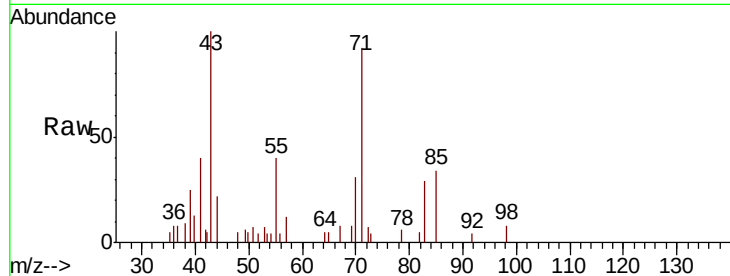




#30
Chloroform
Concen: 0.372 ug/l
RT: 5.27 min Scan# 676
Delta R.T. 0.07 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

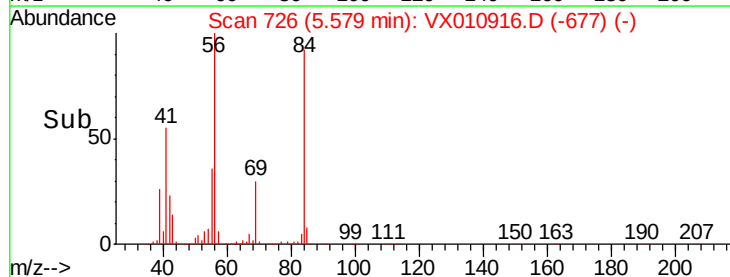
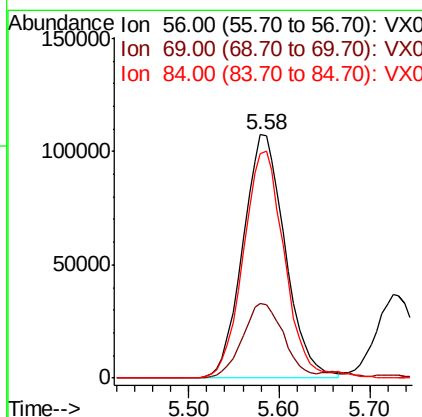
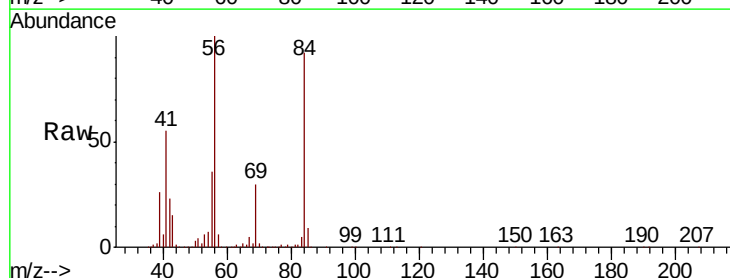
Instrument :
MSVOA_X
ClientSampled :
FL-0610

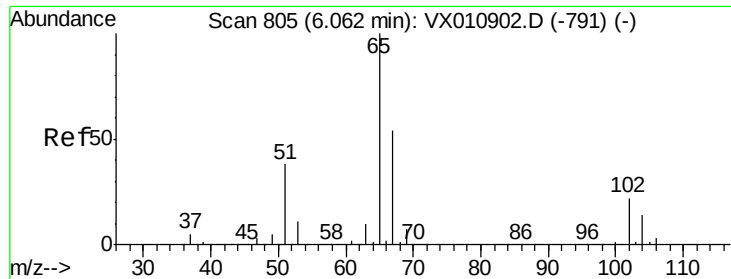
Tot Ion: 83 Resp: 1472
Ion Ratio Lower Upper
83 100
85 118.3 51.4 77.0#



#31
Cyclohexane
Concen: 103.370 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion: 56 Resp: 345007
Ion Ratio Lower Upper
56 100
69 30.3 25.8 38.8
84 92.2 73.8 110.6

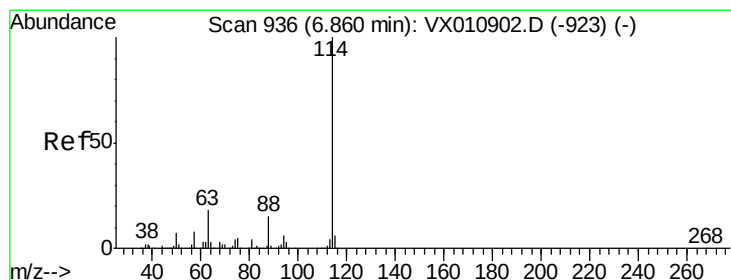
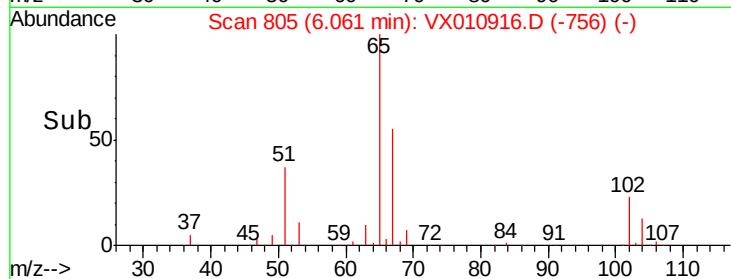
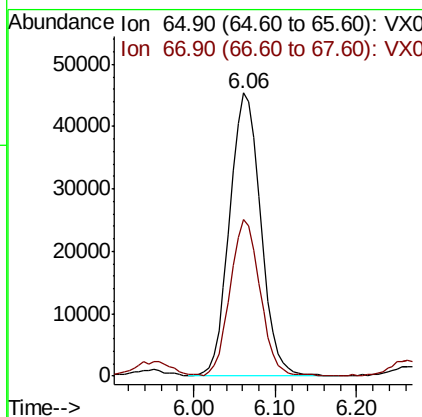
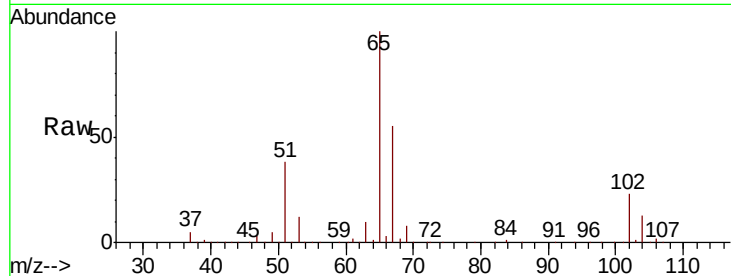




#33
 1,2-Dichloroethane-d4
 Concen: 48.450 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010916.D
 Acq: 16 Jul 2019 19:02

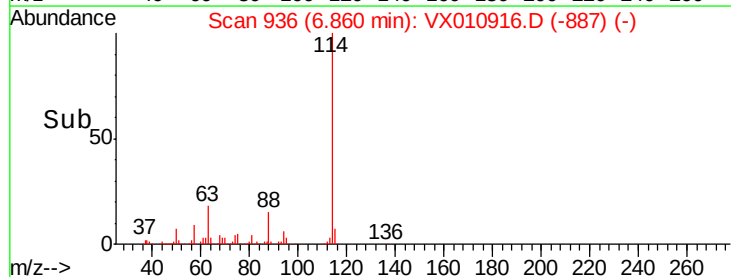
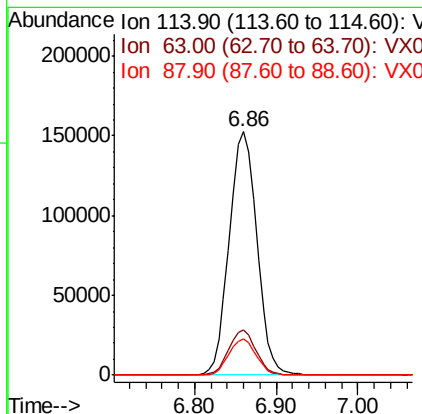
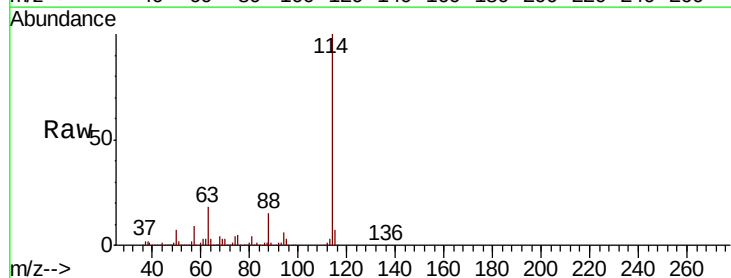
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0610

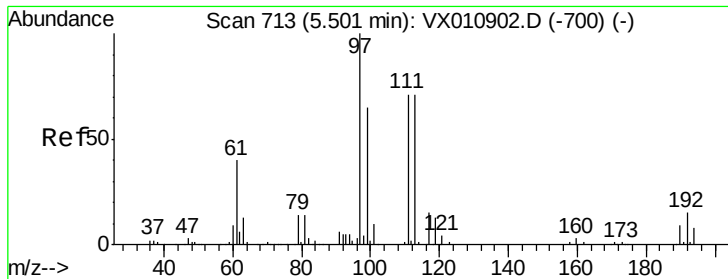
Tot Ion: 65 Resp: 119098
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010916.D
 Acq: 16 Jul 2019 19:02

Tgt Ion: 114 Resp: 358694
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.6
 88 15.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.245 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0610

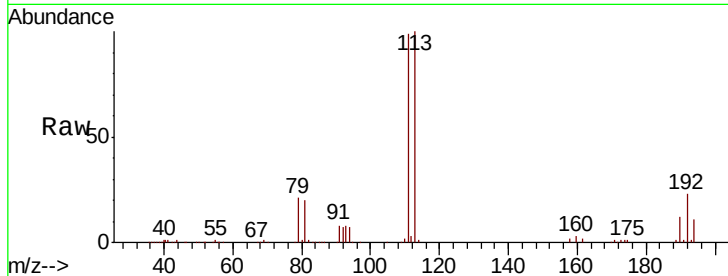
Tot Ion:113 Resp: 109839

Ion Ratio Lower Upper

113 100

111 100.9 82.3 123.5

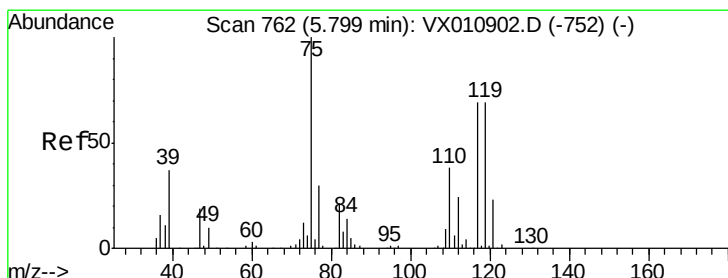
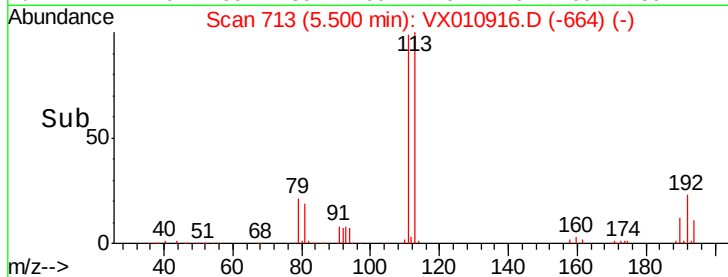
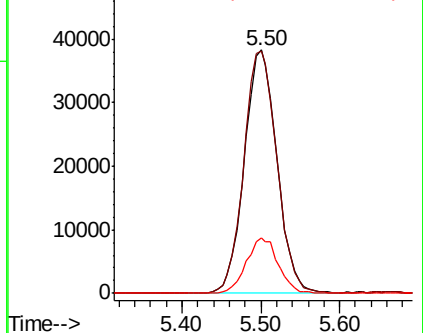
192 22.3 17.4 26.2



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: 5.292 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

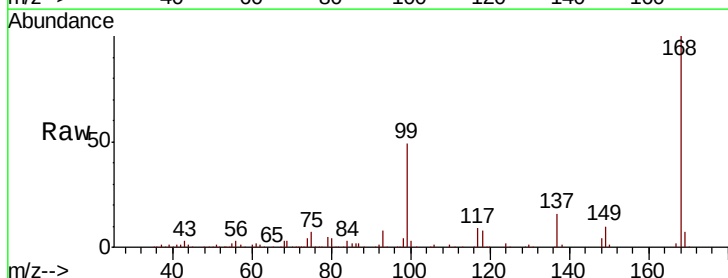
Tgt Ion: 75 Resp: 15592

Ion Ratio Lower Upper

75 100

110 9.5 19.9 59.7#

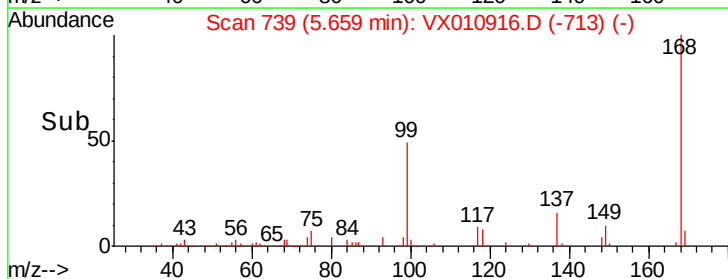
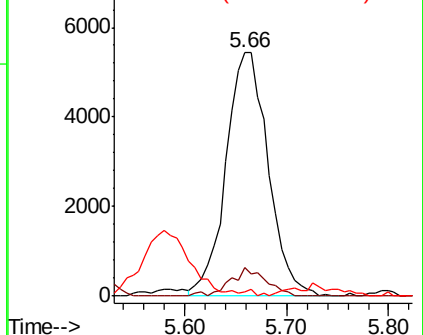
77 0.0 25.0 37.4#

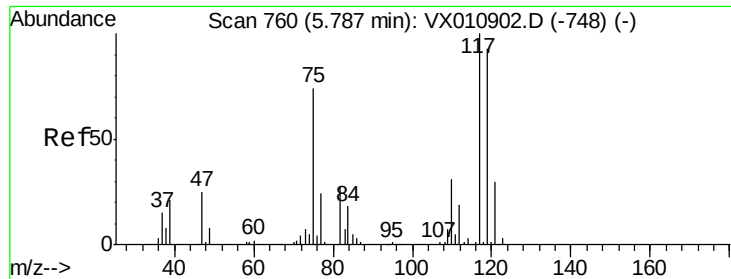


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.987 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0610

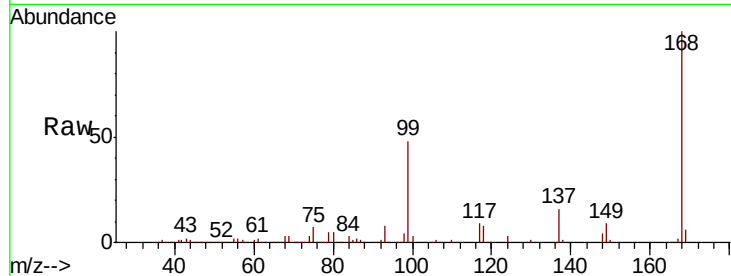
Tot Ion:117 Resp: 21452

Ion Ratio Lower Upper

117 100

119 5.2 74.2 111.2#

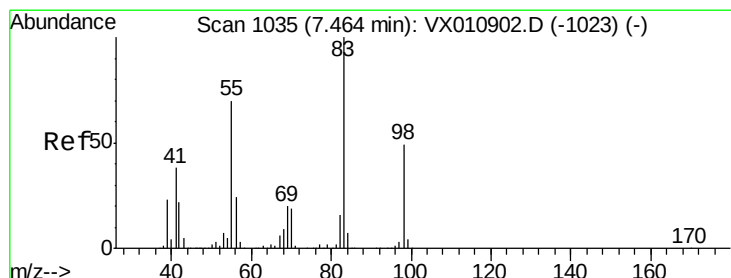
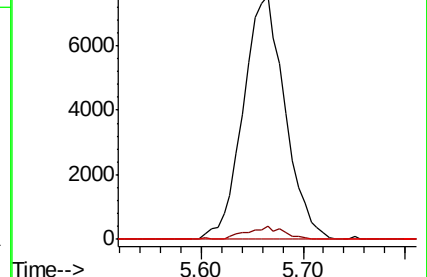
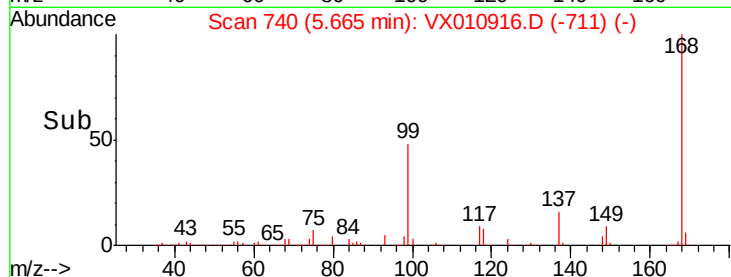
121 0.0 24.2 36.2#



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

Methylcyclohexane

Concen: 519.076 ug/l

RT: 7.47 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

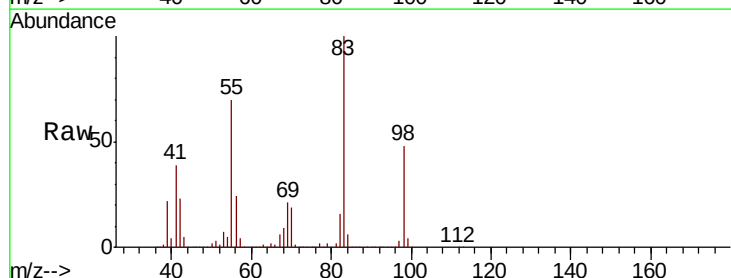
Tgt Ion: 83 Resp: 1983306

Ion Ratio Lower Upper

83 100

55 69.6 56.2 84.4

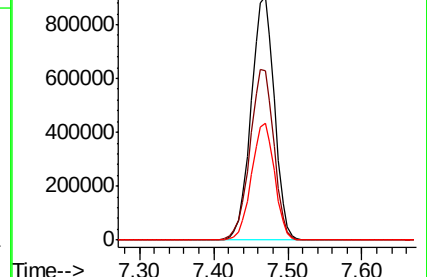
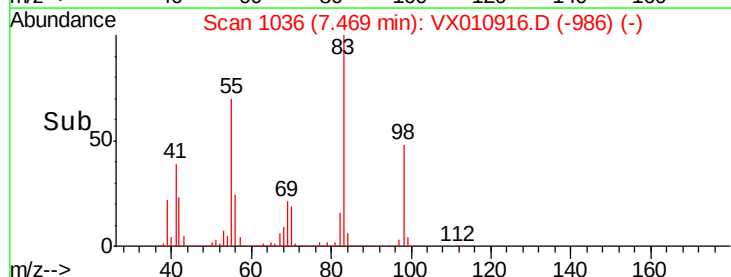
98 48.1 39.0 58.4

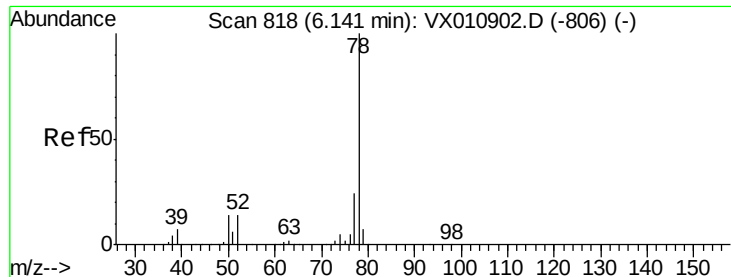


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.431 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

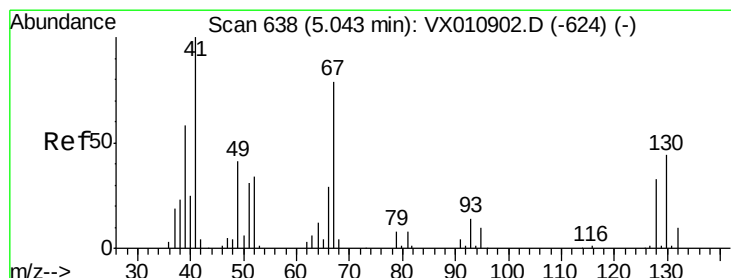
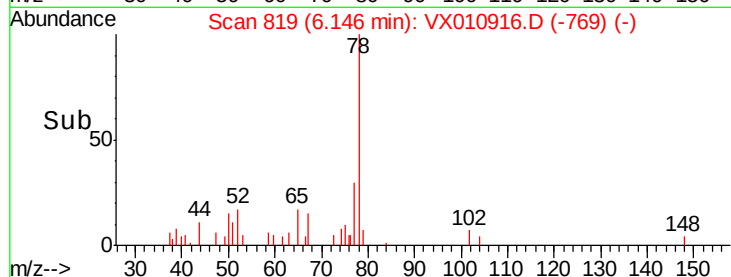
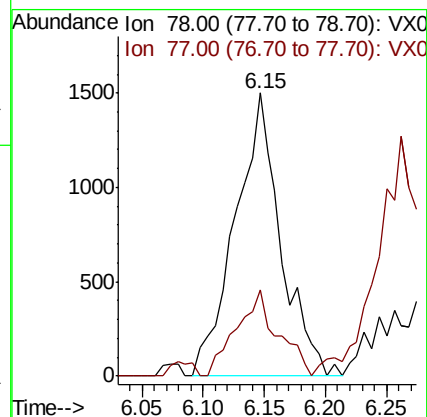
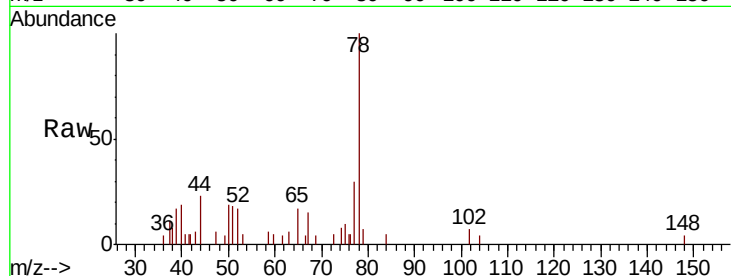
FL-0610

Tot Ion: 78 Resp: 3890

Ion Ratio Lower Upper

78 100

77 25.4 19.0 28.6



#41

Methacrylonitrile

Concen: 0.227 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.02 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Tgt Ion: 41 Resp: 389

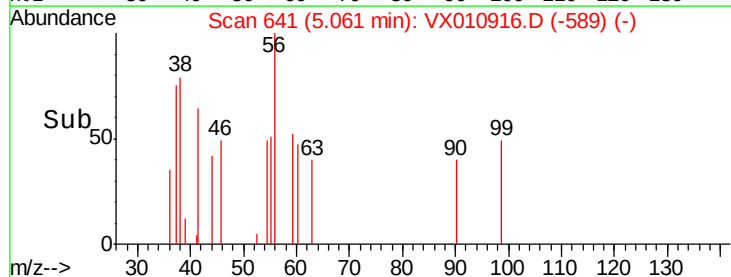
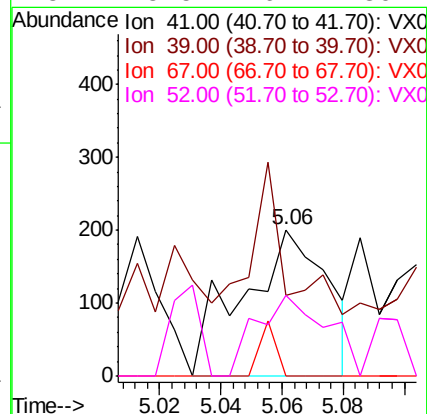
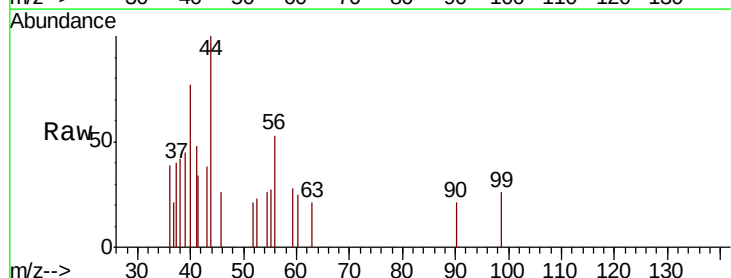
Ion Ratio Lower Upper

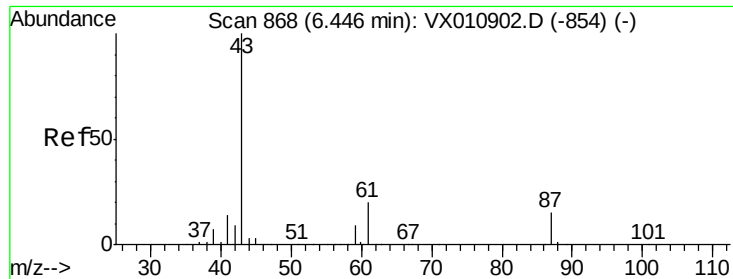
41 100

39 37.0 45.4 68.2#

67 7.2 65.9 98.9#

52 45.5 26.2 39.2#





#43

Isopropyl Acetate

Concen: 4.300 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

FL-0610

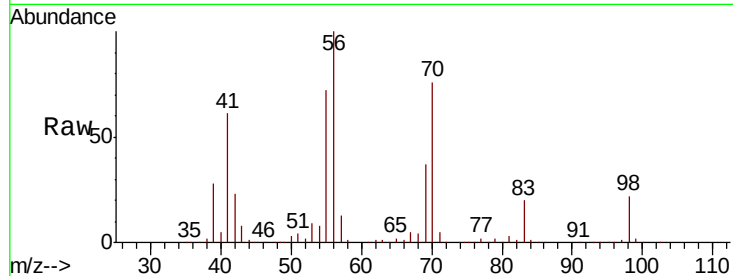
Tot Ion: 43 Resp: 21333

Ion Ratio Lower Upper

43 100

61 3.3 17.1 25.7#

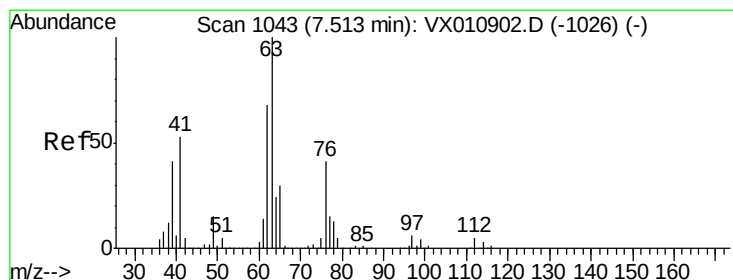
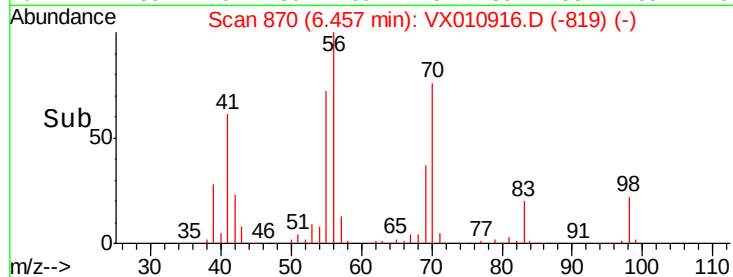
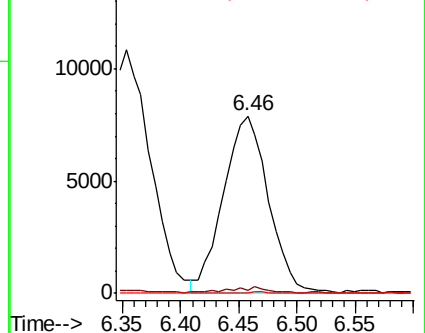
87 0.2 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#45

1,2-Dichloropropane

Concen: 8.075 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX010916.D

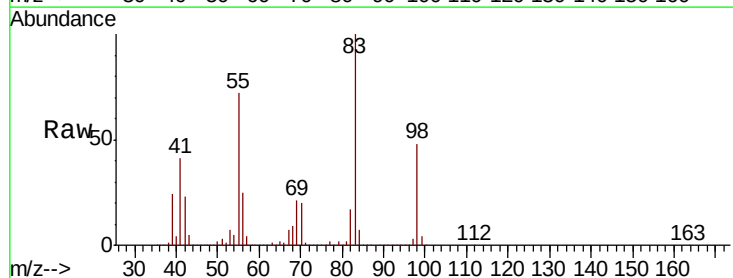
Acq: 16 Jul 2019 19:02

Tgt Ion: 63 Resp: 18549

Ion Ratio Lower Upper

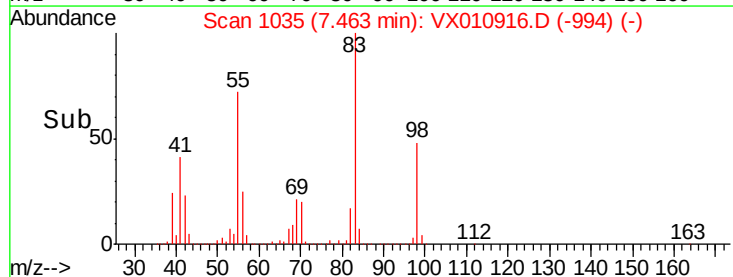
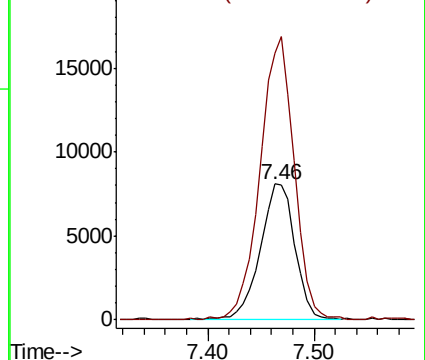
63 100

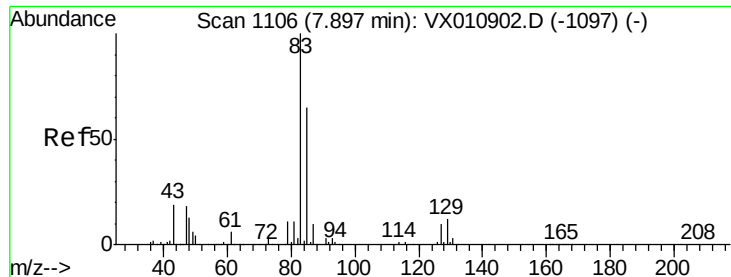
65 195.8 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#47

Bromodichloromethane

Concen: 0.811 ug/l

RT: 7.85 min Scan# 1099

Delta R.T. -0.04 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0610

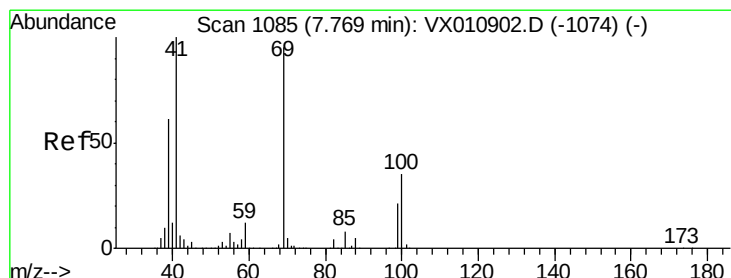
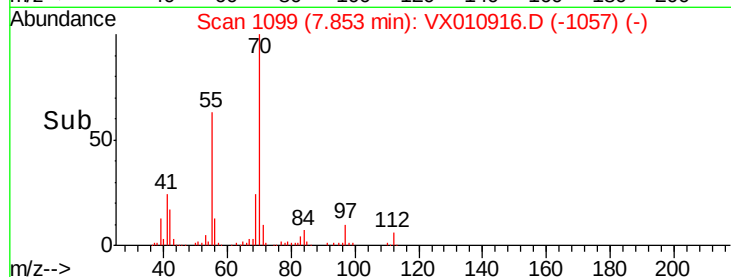
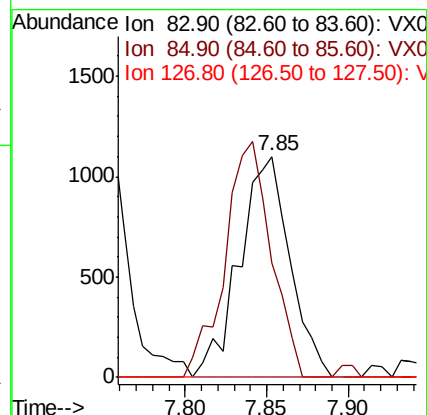
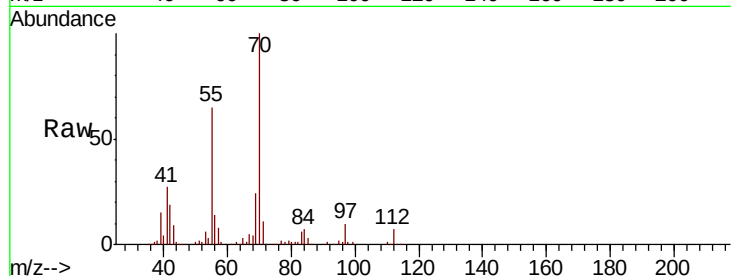
Tot Ion: 83 Resp: 2371

Ion Ratio Lower Upper

83 100

85 45.7 52.5 78.7#

127 0.0 7.8 11.8#



#48

Methyl methacrylate

Concen: 30.437 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

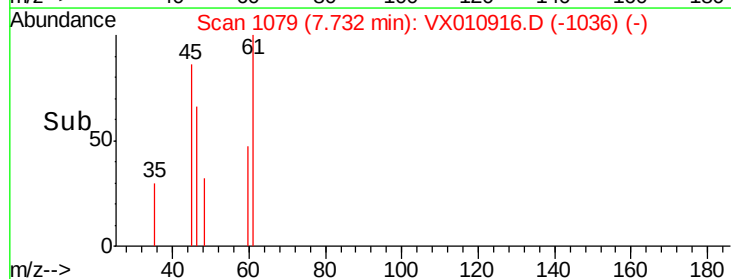
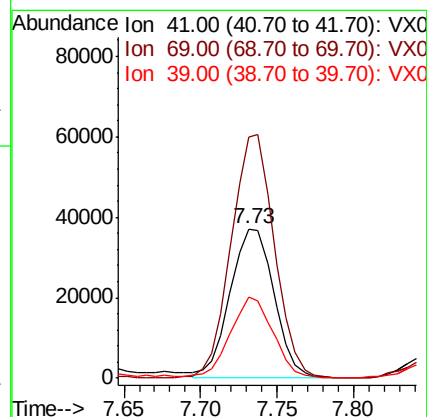
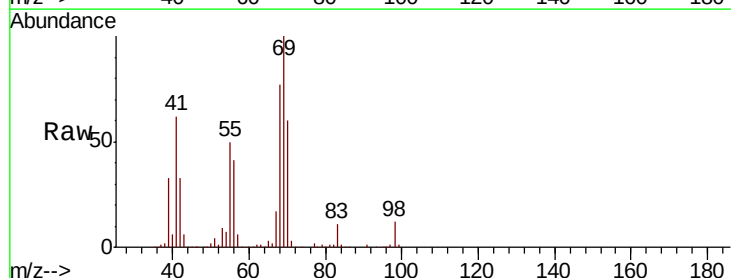
Tgt Ion: 41 Resp: 73556

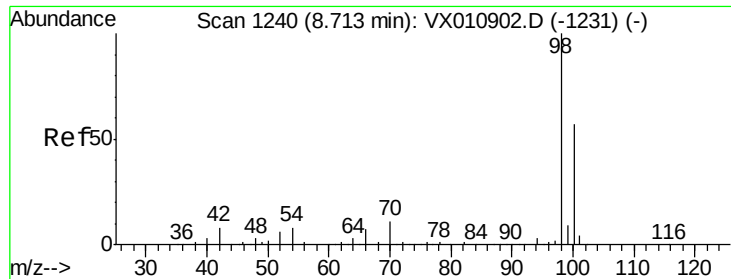
Ion Ratio Lower Upper

41 100

69 161.0 74.4 111.6#

39 52.3 48.9 73.3

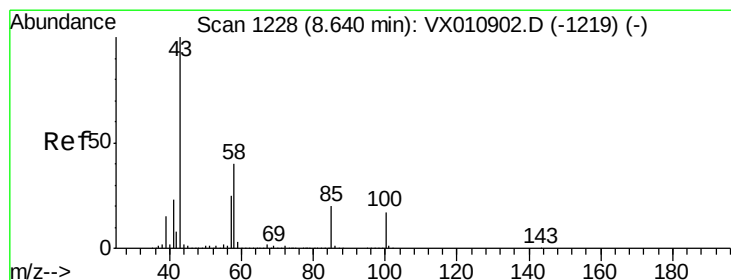
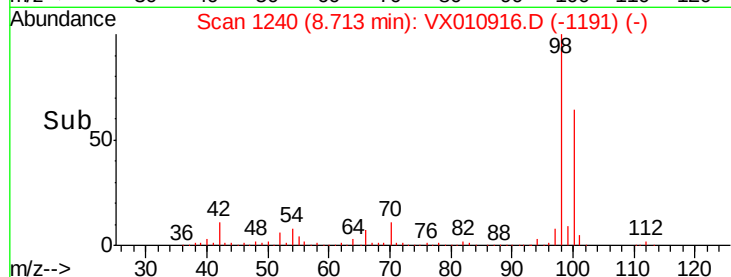
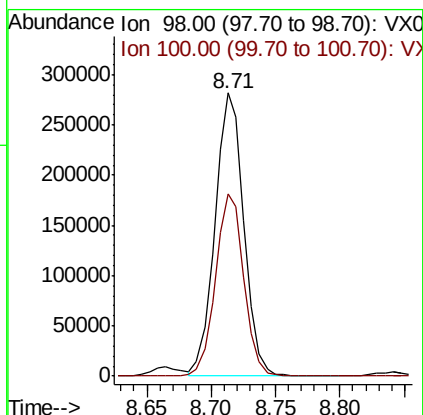
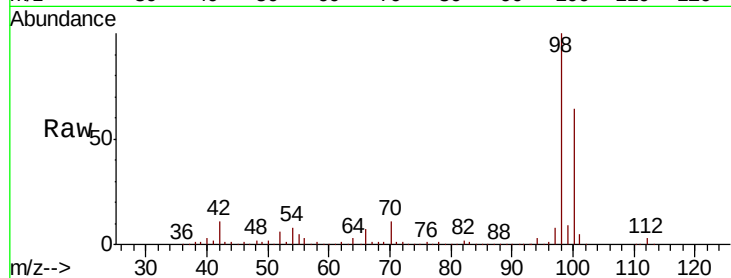




#50
Toluene-d8
Concen: 51.610 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

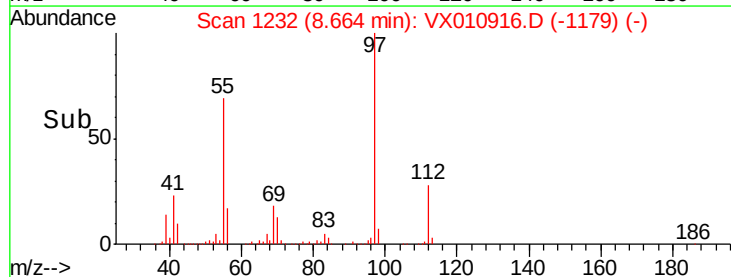
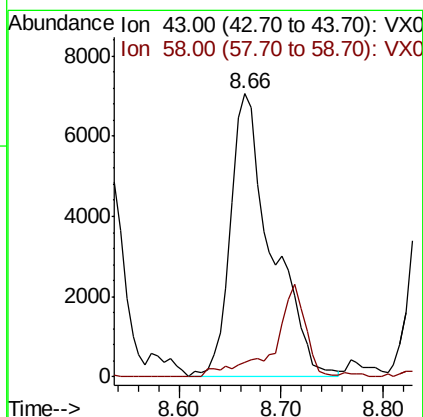
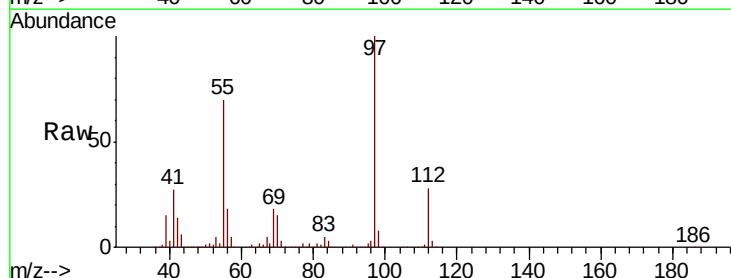
Instrument :
MSVOA_X
ClientSampled :
FL-0610

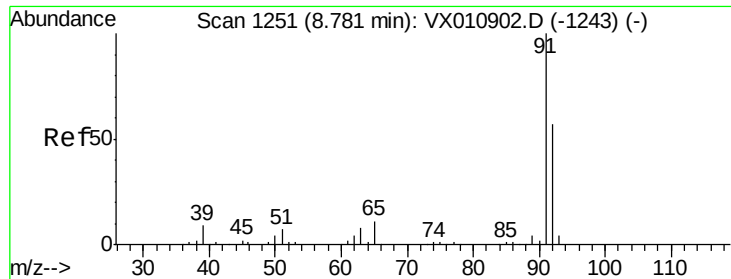
Tot Ion: 98 Resp: 440703
Ion Ratio Lower Upper
98 100
100 63.7 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 6.133 ug/l
RT: 8.66 min Scan# 1232
Delta R.T. 0.02 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion: 43 Resp: 19723
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4#





#52

Toluene

Concen: 1.004 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

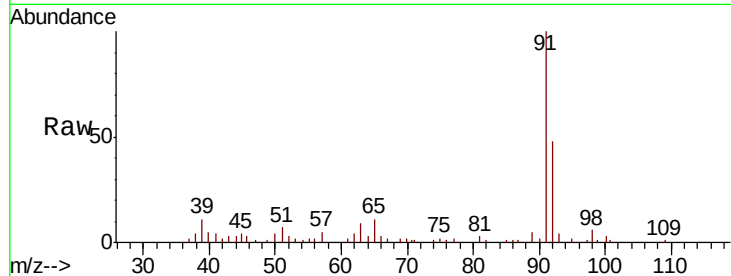
FL-0610

Tot Ion: 92 Resp: 5951

Ion Ratio Lower Upper

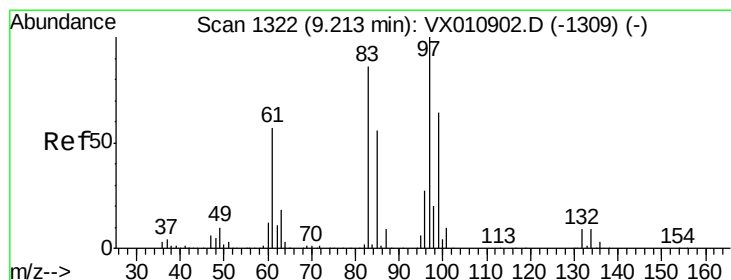
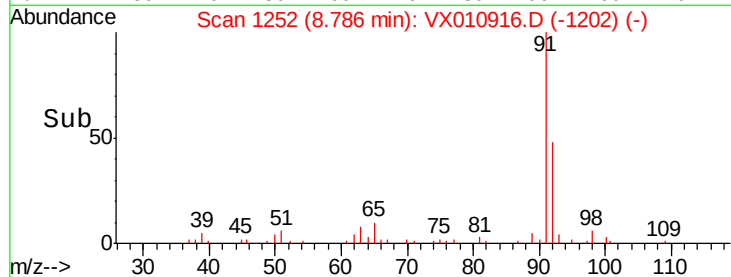
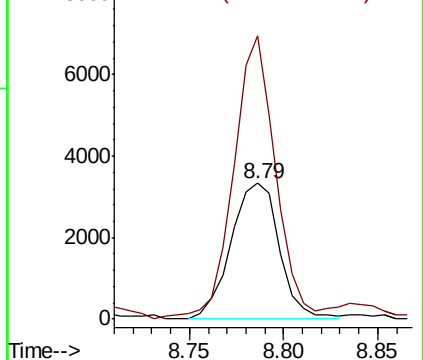
92 100

91 179.4 139.4 209.0



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: 28.179 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Tgt Ion: 97 Resp: 68792

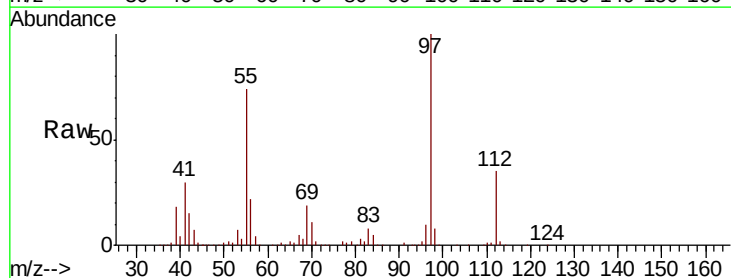
Ion Ratio Lower Upper

97 100

83 8.1 69.2 103.8#

85 0.3 44.6 66.8#

99 0.4 51.2 76.8#

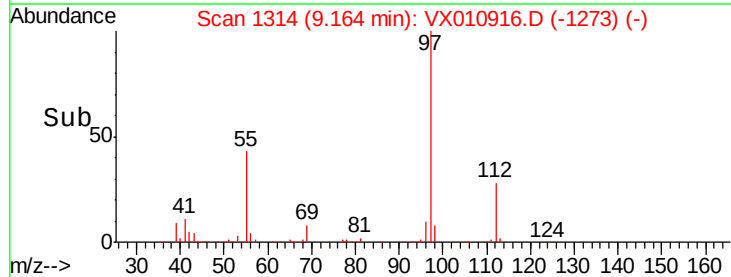
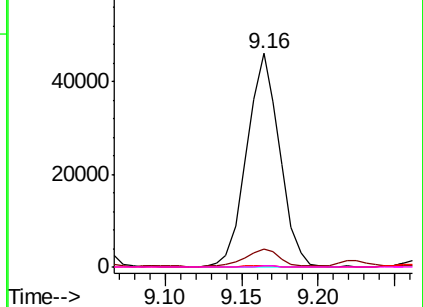


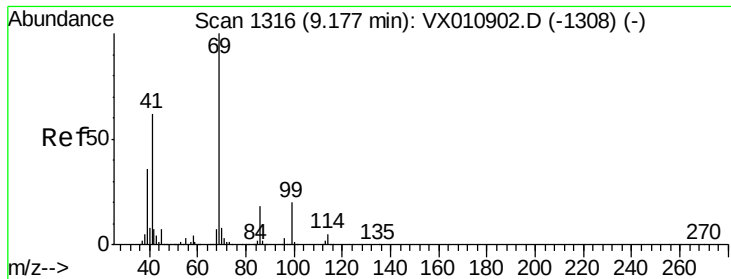
Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 3.816 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0610

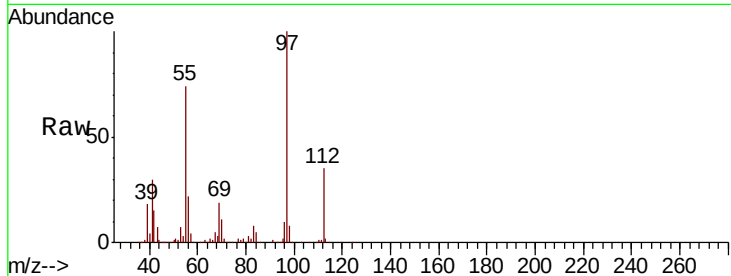
Tot Ion: 69 Resp: 13626

Ion Ratio Lower Upper

69 100

41 156.4 49.7 74.5#

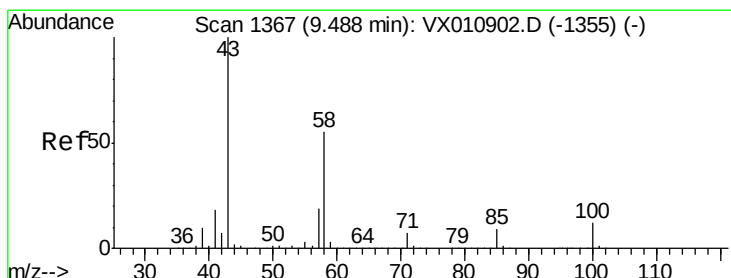
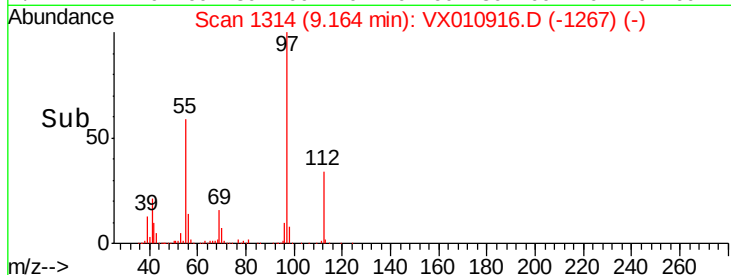
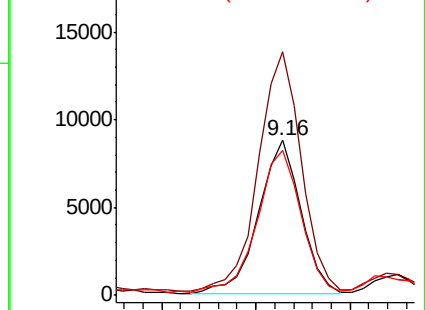
39 95.5 29.6 44.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.352 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX010916.D

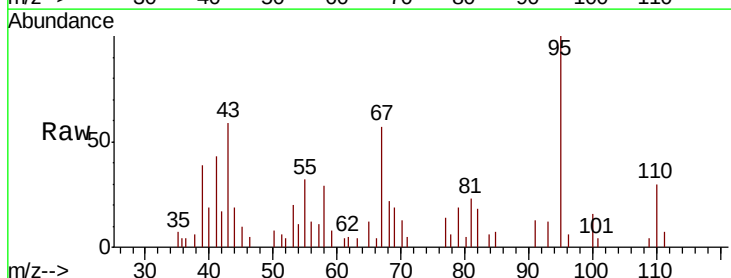
Acq: 16 Jul 2019 19:02

Tgt Ion: 43 Resp: 879

Ion Ratio Lower Upper

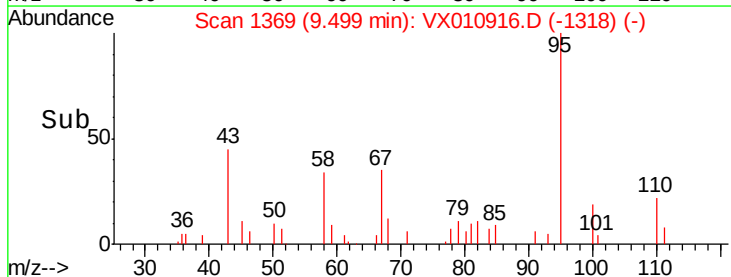
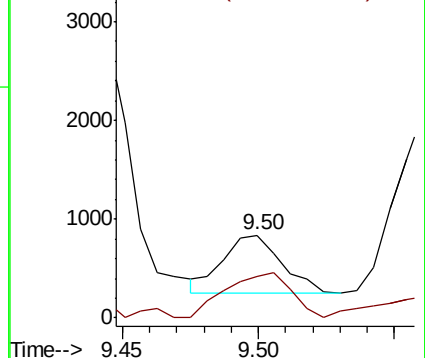
43 100

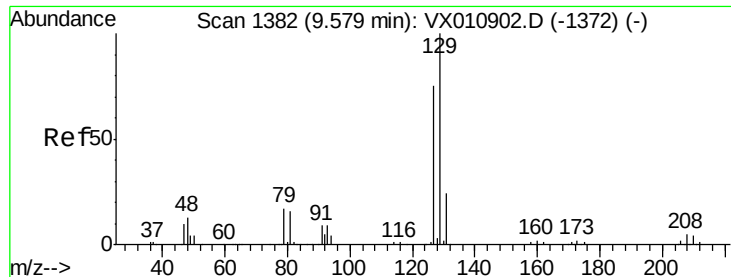
58 86.2 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 2.541 ug/l

RT: 9.46 min Scan# 1362

Delta R.T. -0.12 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

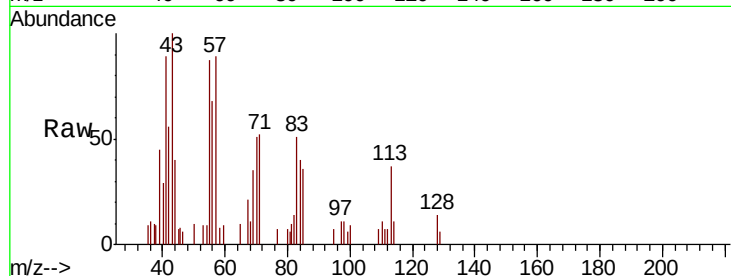
FL-0610

Tot Ion:129 Resp: 38

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#

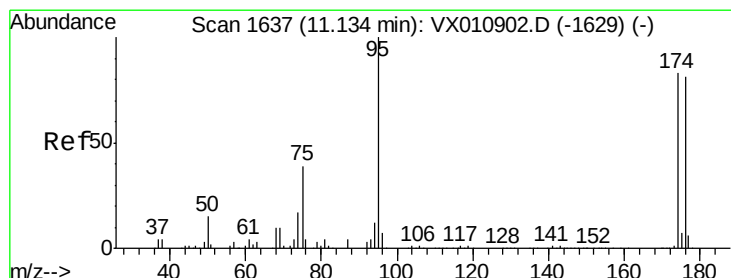
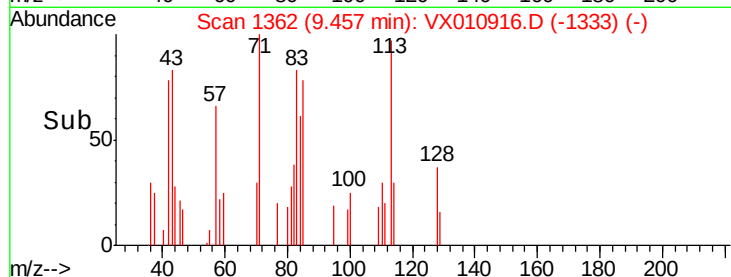


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.46

Time-->



#62

4-Bromofluorobenzene

Concen: 51.114 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

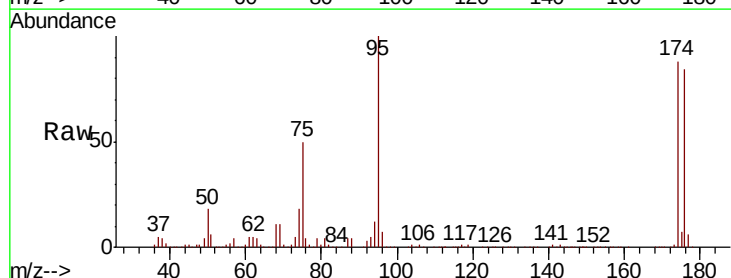
Tgt Ion: 95 Resp: 160431

Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.6

176 88.5 0.0 173.8



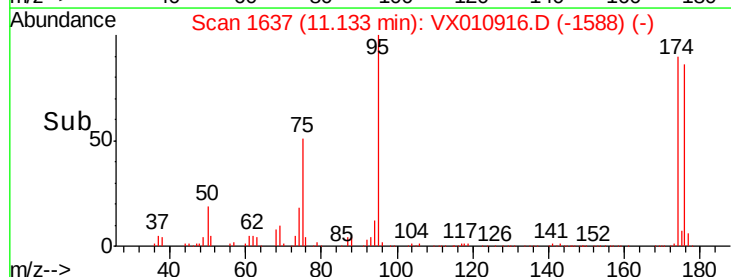
Abundance Ion 94.90 (94.60 to 95.60): VX0

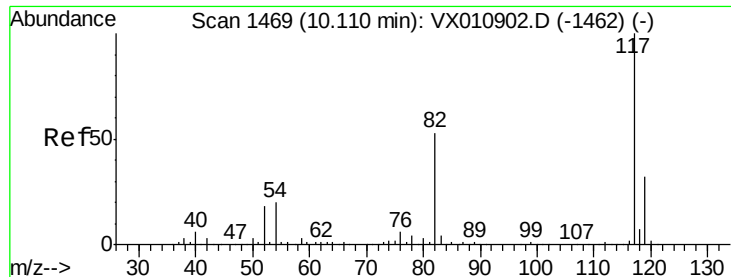
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->

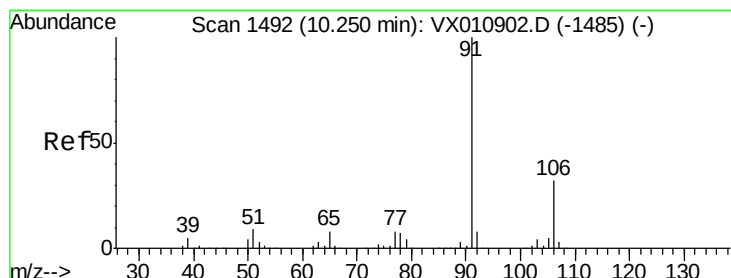
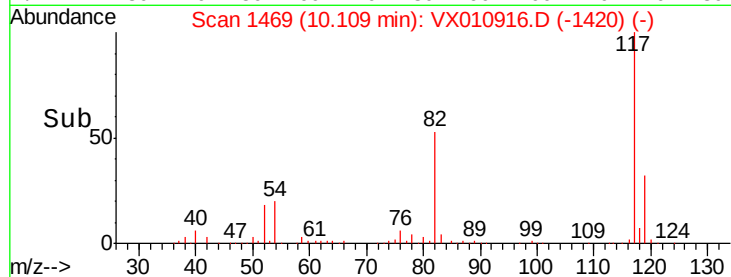
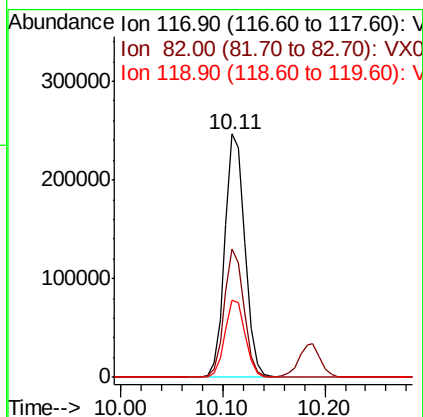
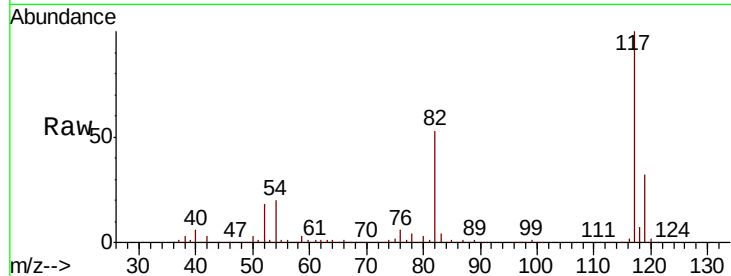




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

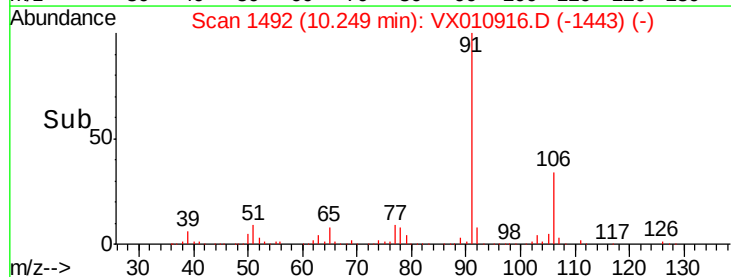
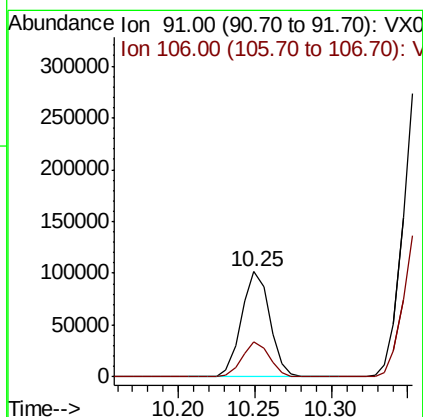
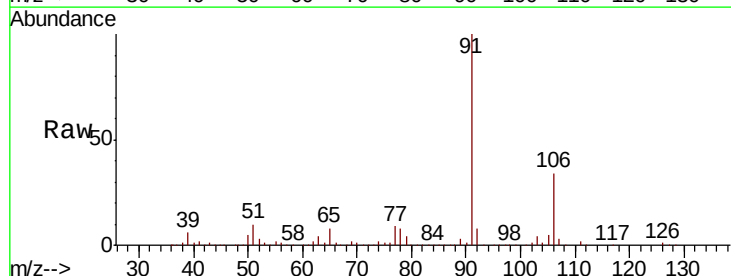
Instrument :
MSVOA_X
ClientSampleId :
FL-0610

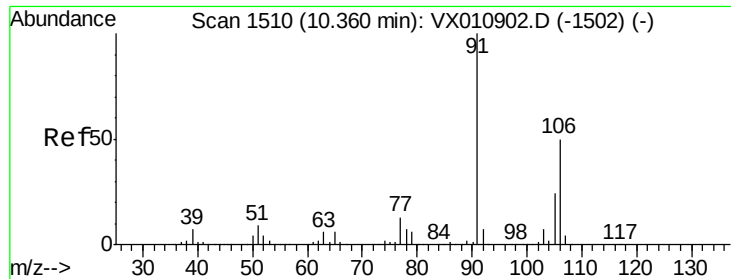
Tot Ion:117 Resp: 335261
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 31.8 25.9 38.9



#67
Ethyl Benzene
Concen: 11.114 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion: 91 Resp: 130268
Ion Ratio Lower Upper
91 100
106 34.0 25.4 38.2

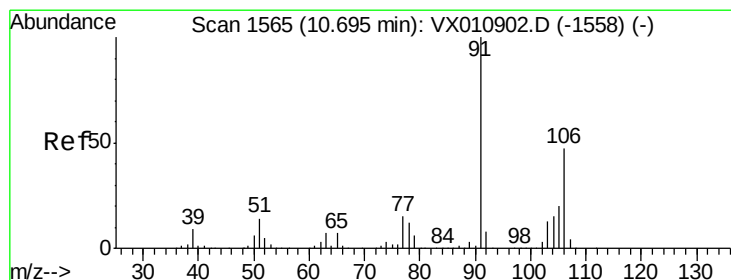
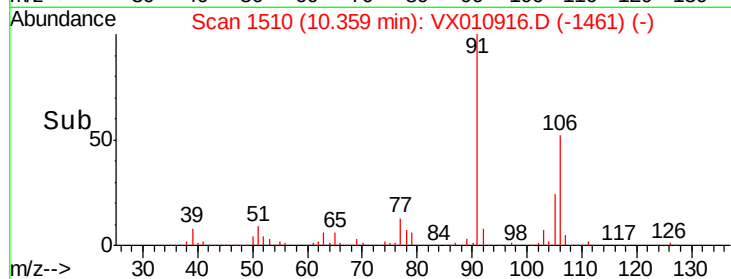
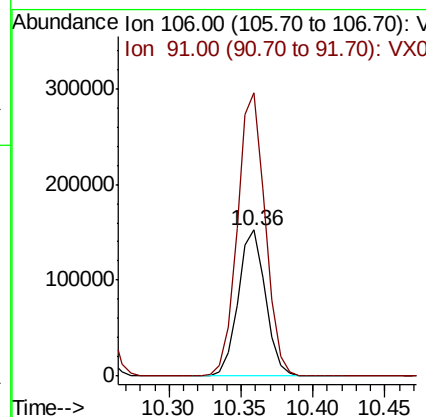
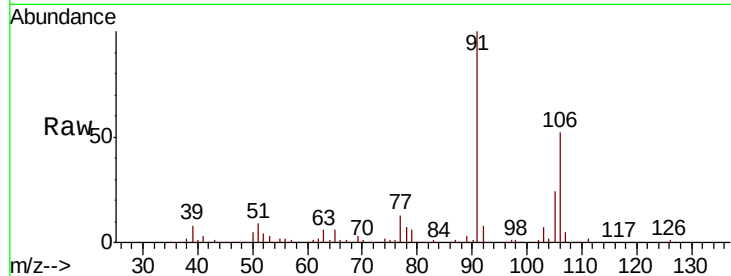




#68
m/p-Xylenes
Concen: 44.898 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

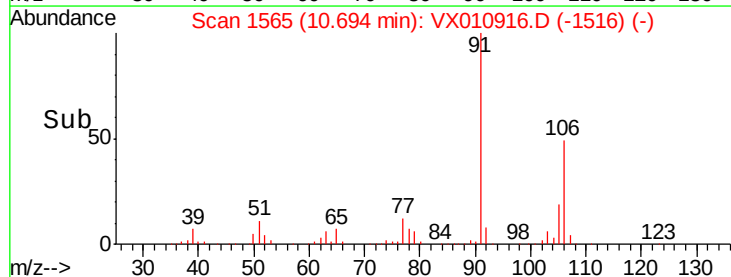
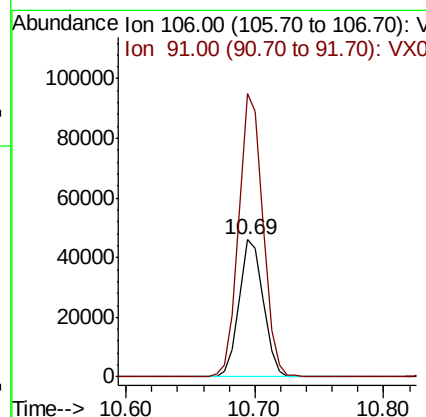
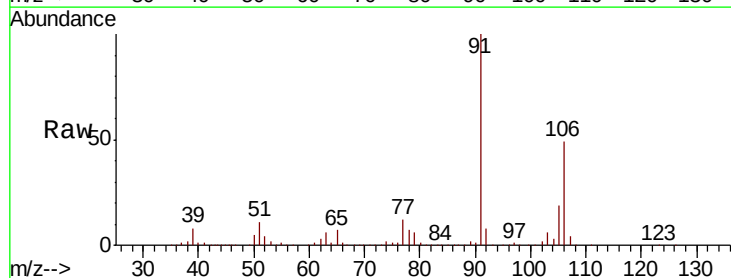
Instrument :
MSVOA_X
ClientSampleId :
FL-0610

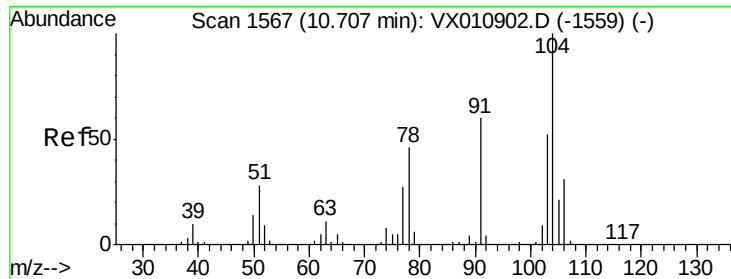
Tot Ion:106 Resp: 201860
Ion Ratio Lower Upper
106 100
91 197.4 160.1 240.1



#69
o-Xylene
Concen: 13.867 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion:106 Resp: 60848
Ion Ratio Lower Upper
106 100
91 204.5 105.1 315.3

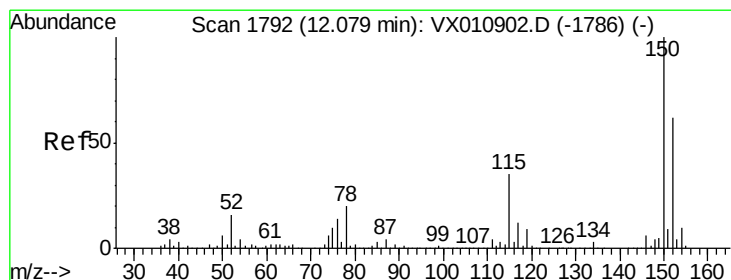
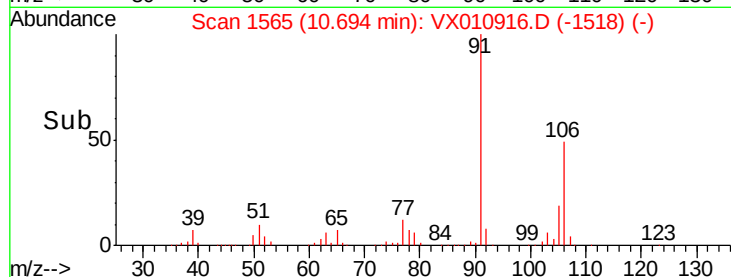
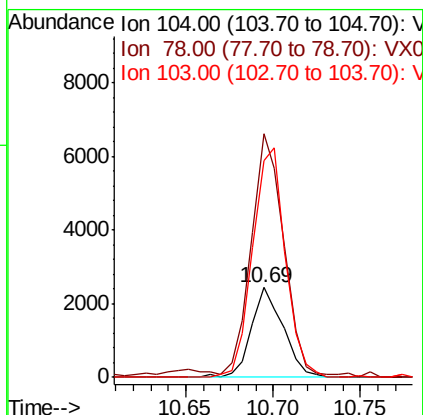
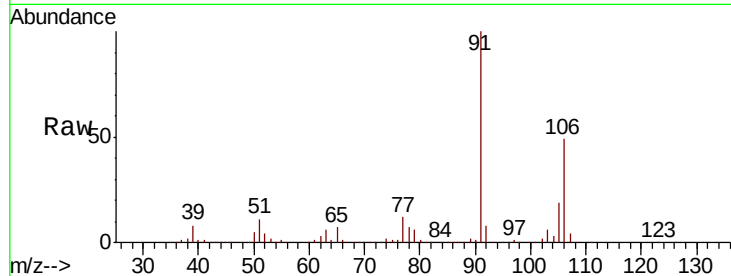




#70
Stvrene
Concen: 0.423 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

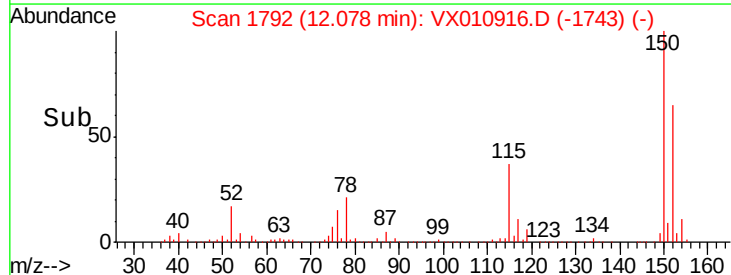
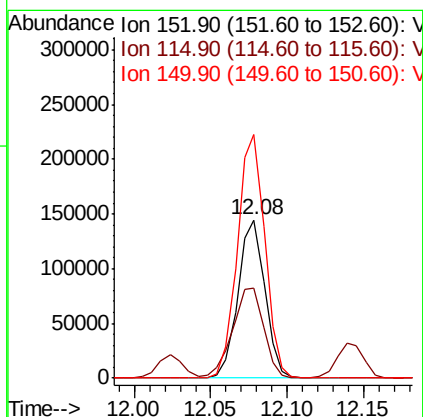
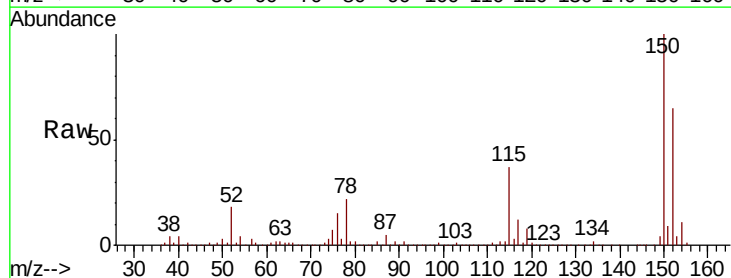
Instrument :
MSVOA_X
ClientSampleId :
FL-0610

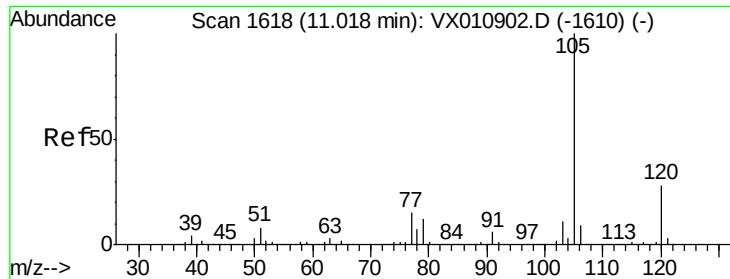
Tot Ion:104 Resp: 3095
Ion Ratio Lower Upper
104 100
78 279.3 38.8 58.2#
103 263.1 44.2 66.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion:152 Resp: 176078
Ion Ratio Lower Upper
152 100
115 65.6 39.7 119.1
150 156.6 0.0 345.6





#73

Isopropylbenzene

Concen: 19.589 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

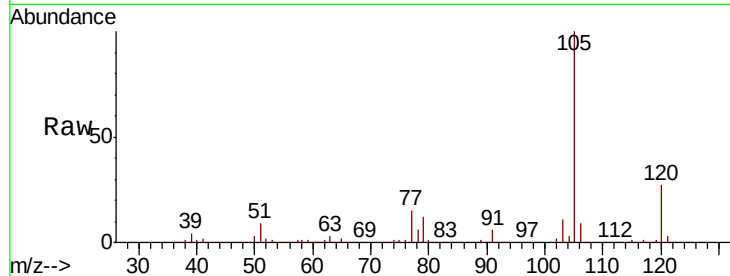
FL-0610

Tot Ion:105 Resp: 233066

Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

200000

150000

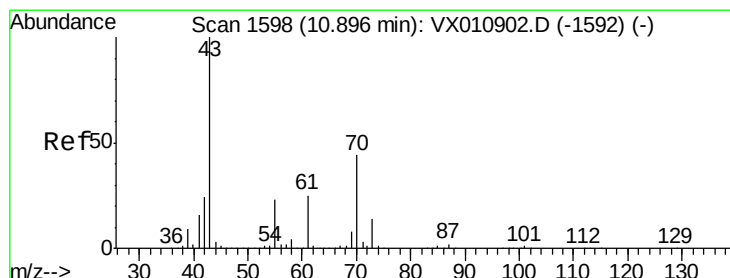
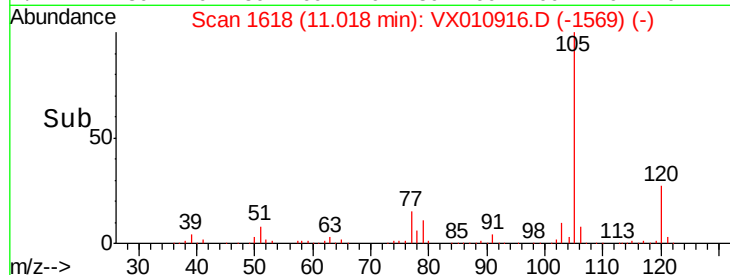
100000

50000

0

Time-->

10.95 11.00 11.05 11.10



#74

N-ethyl acetate

Concen: 0.451 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Tgt Ion: 43 Resp: 2049

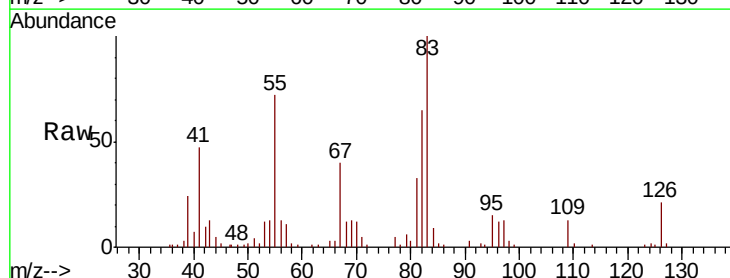
Ion Ratio Lower Upper

43 100

70 125.8 34.7 52.1#

55 552.1 19.1 28.7#

61 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10000

8000

6000

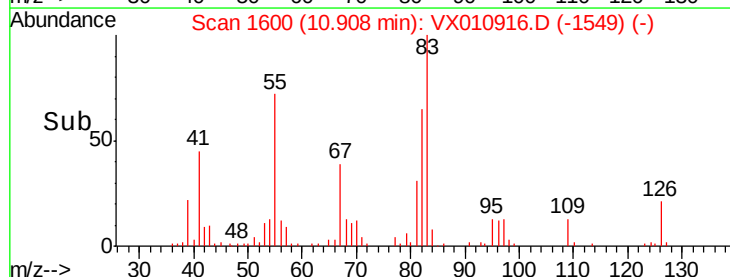
4000

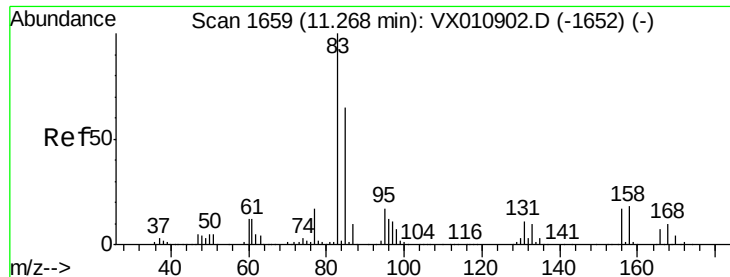
2000

0

Time-->

10.85 10.90 10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 0.652 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0610

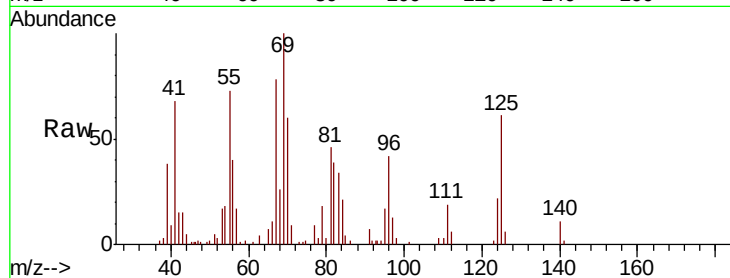
Tot Ion: 83 Resp: 2538

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

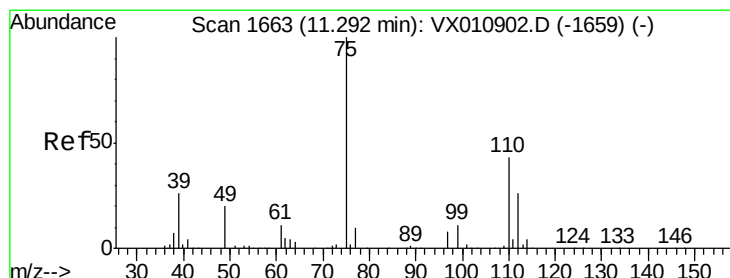
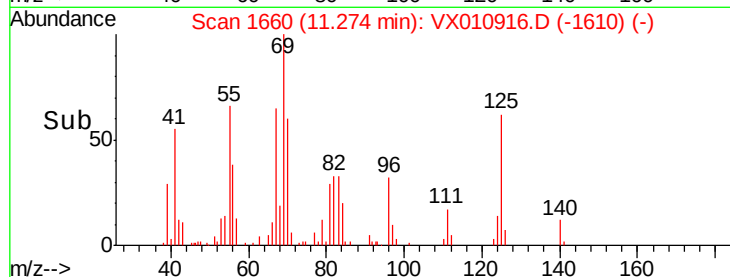
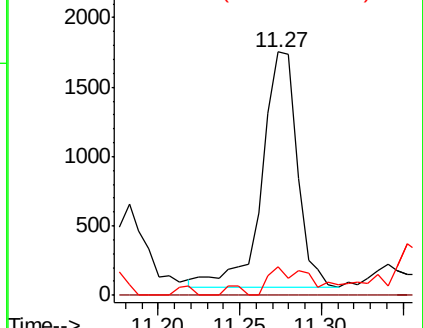
85 14.9 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 9.473 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.14 min

Lab File: VX010916.D

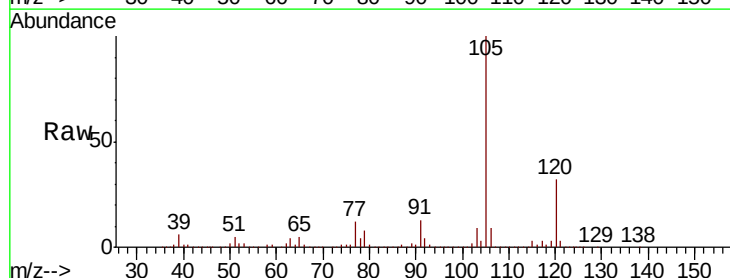
Acq: 16 Jul 2019 19:02

Tgt Ion: 75 Resp: 30099

Ion Ratio Lower Upper

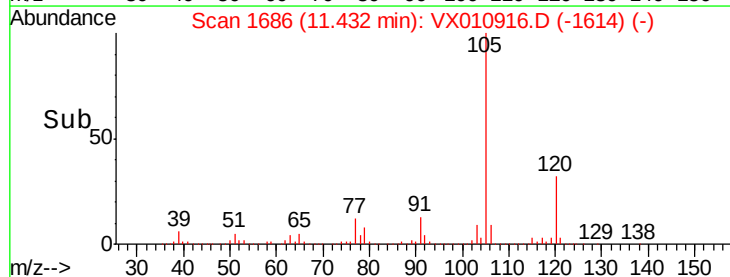
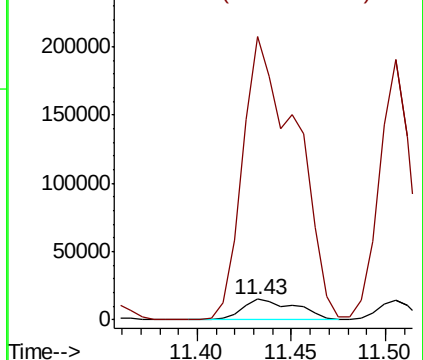
75 100

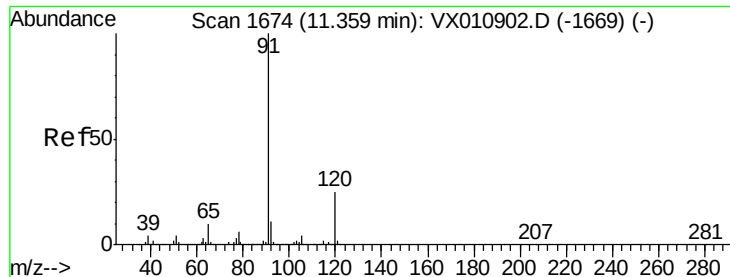
77 1361.9 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 24.870 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

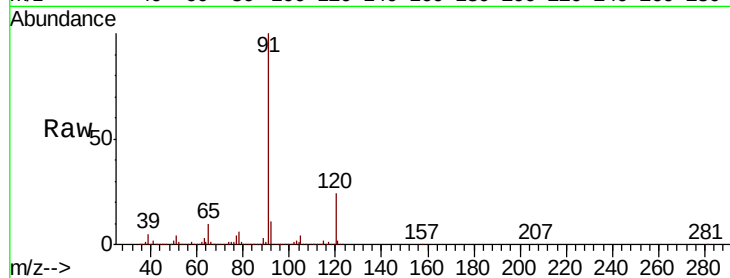
FL-0610

Tot Ion: 91 Resp: 326943

Ion Ratio Lower Upper

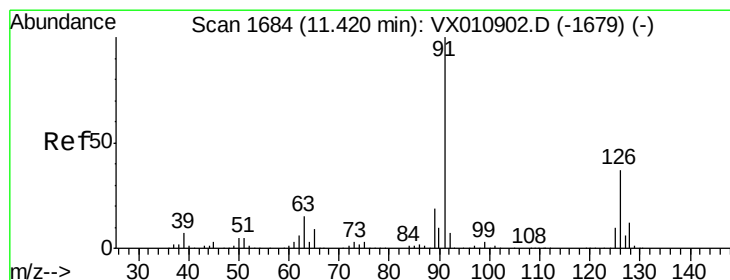
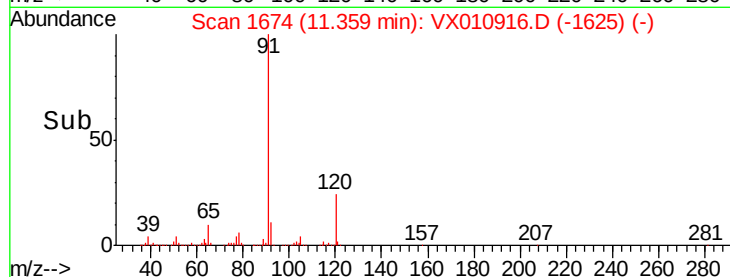
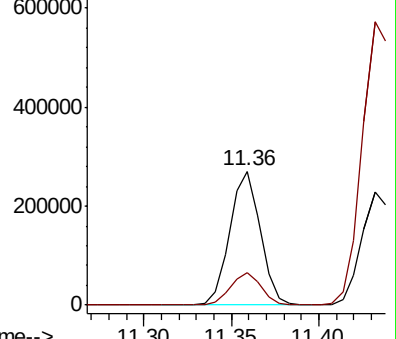
91 100

120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 56.025 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010916.D

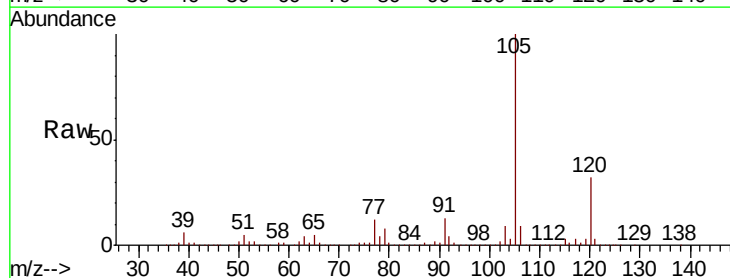
Acq: 16 Jul 2019 19:02

Tgt Ion: 91 Resp: 442431

Ion Ratio Lower Upper

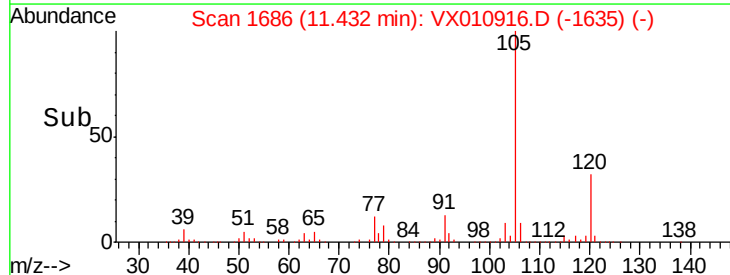
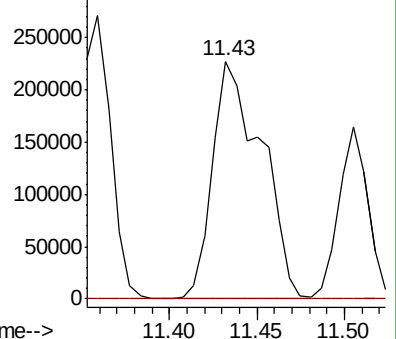
91 100

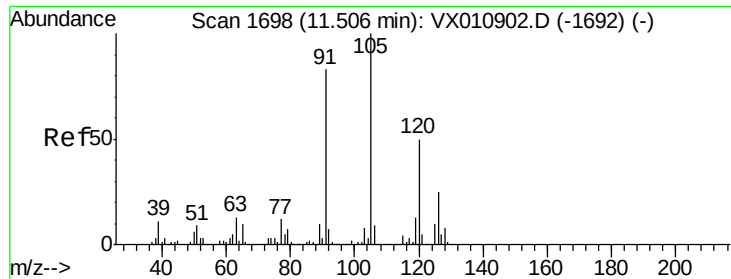
126 0.1 18.0 54.0#



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: 175.554 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

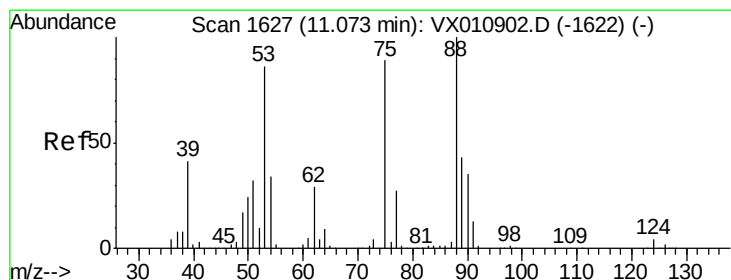
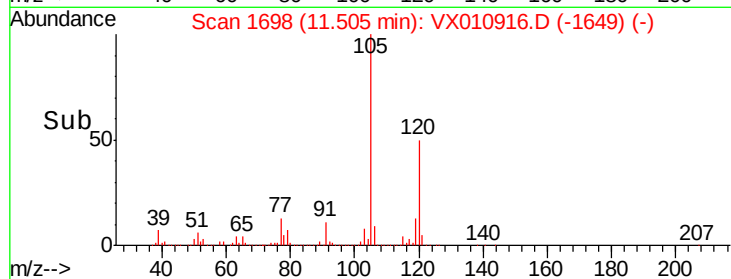
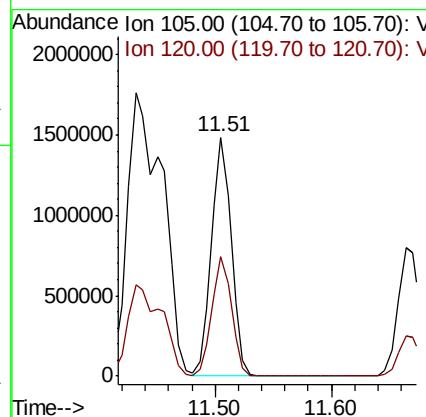
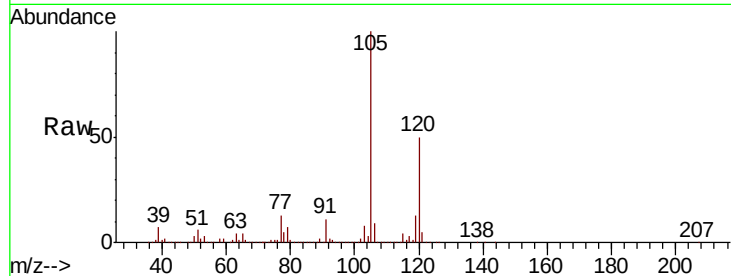
FL-0610

Tot Ion:105 Resp: 1745293

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.8



#81

trans-1,4-Dichloro-2-butene

Concen: 5.933 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

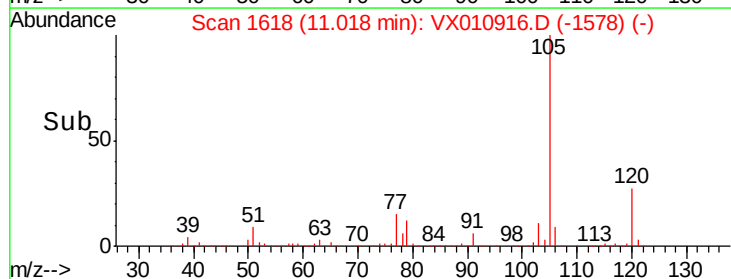
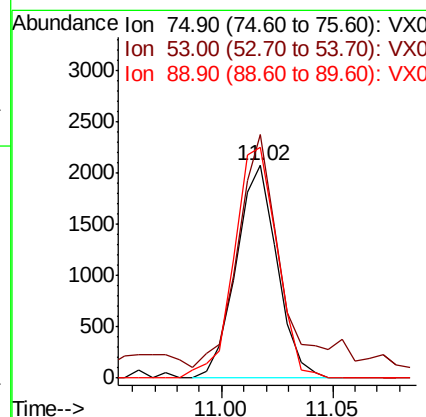
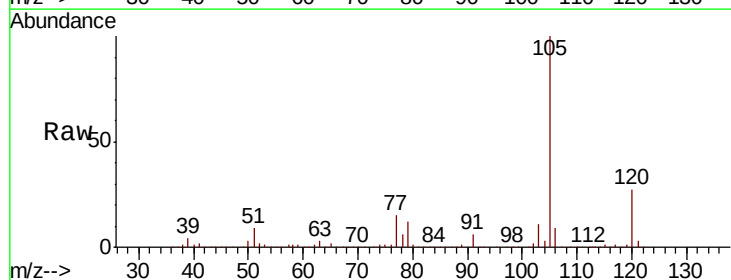
Tgt Ion: 75 Resp: 2661

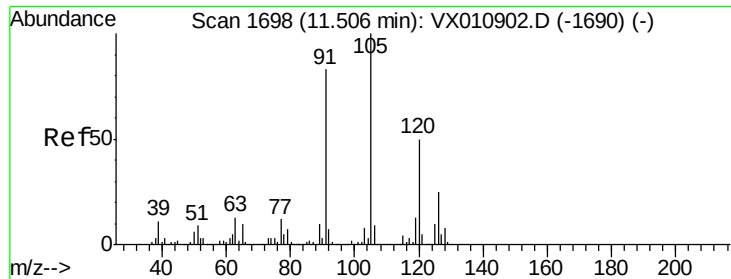
Ion Ratio Lower Upper

75 100

53 118.1 76.7 115.1#

89 113.8 38.5 57.7#





#82

4-Chlorotoluene

Concen: 20.717 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

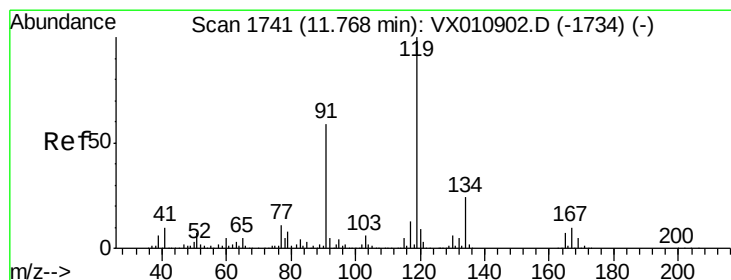
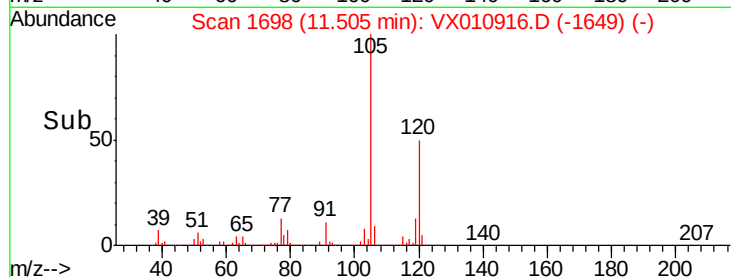
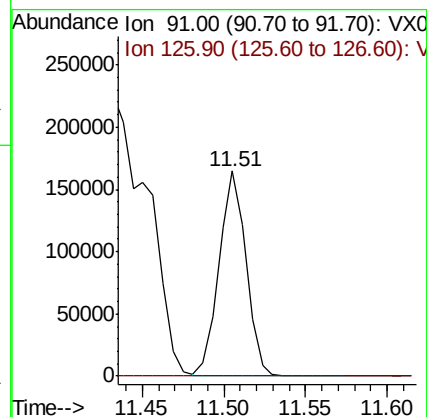
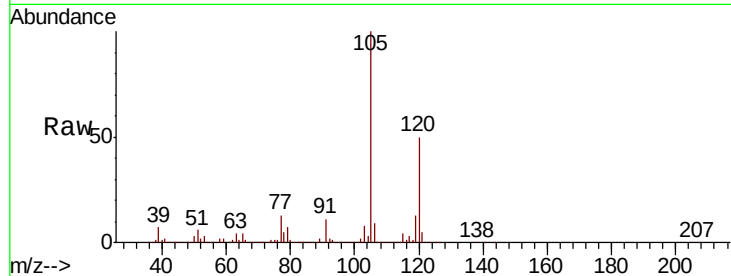
FL-0610

Tot Ion: 91 Resp: 190416

Ion Ratio Lower Upper

91 100

126 0.1 15.9 47.7#



#83

tert-Butylbenzene

Concen: 1.760 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

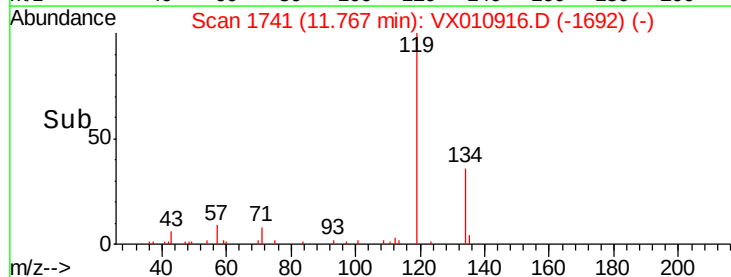
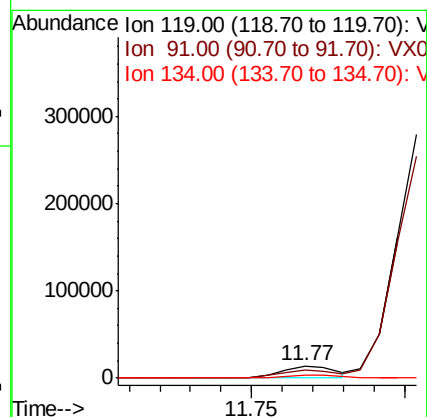
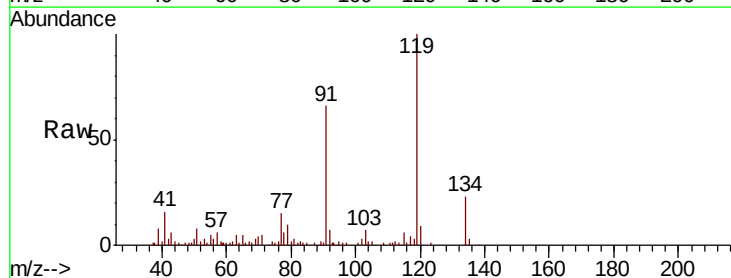
Tgt Ion: 119 Resp: 17182

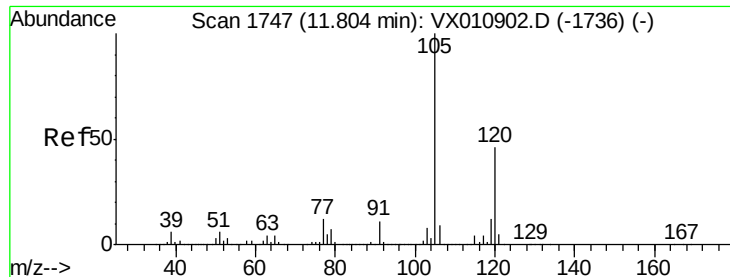
Ion Ratio Lower Upper

119 100

91 64.9 28.6 85.8

134 24.6 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 289.349 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

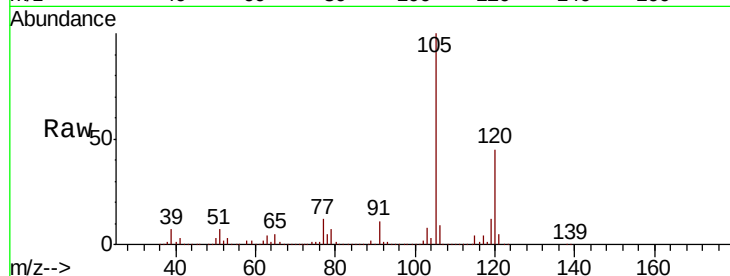
FL-0610

Tot Ion:105 Resp: 2899322

Ion Ratio Lower Upper

105 100

120 46.0 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

2500000

2000000

1500000

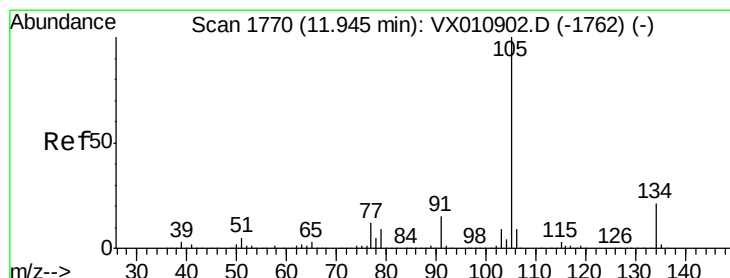
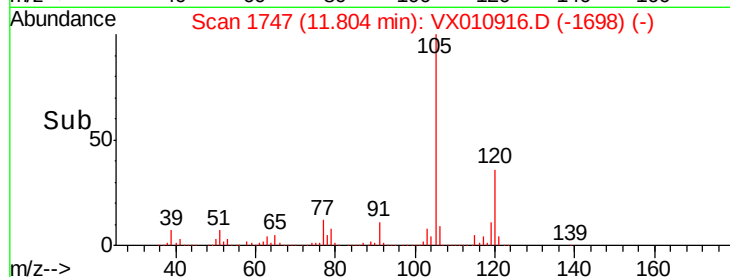
1000000

500000

0

Time-->

11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 253.385 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX010916.D

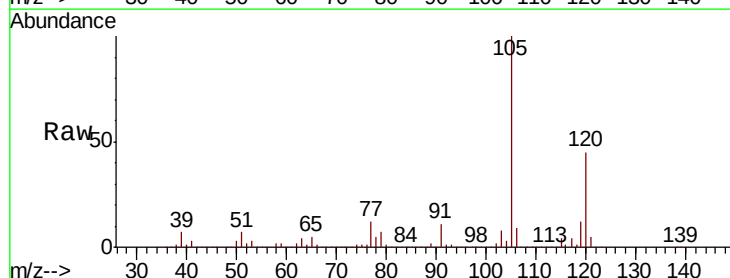
Acq: 16 Jul 2019 19:02

Tgt Ion:105 Resp: 2899290

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.80

2500000

2000000

1500000

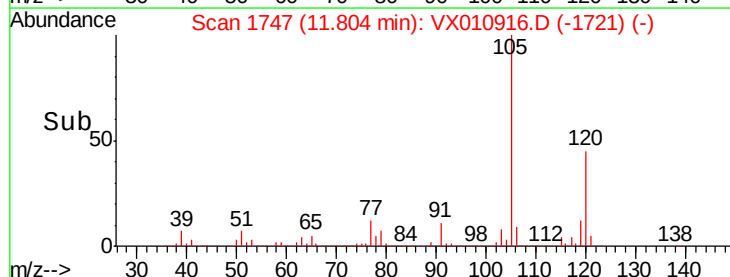
1000000

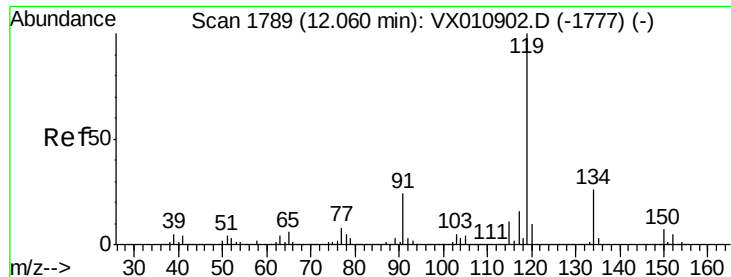
500000

0

Time-->

11.70 11.80 11.90

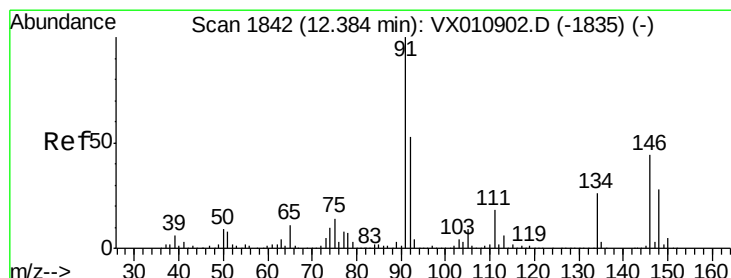
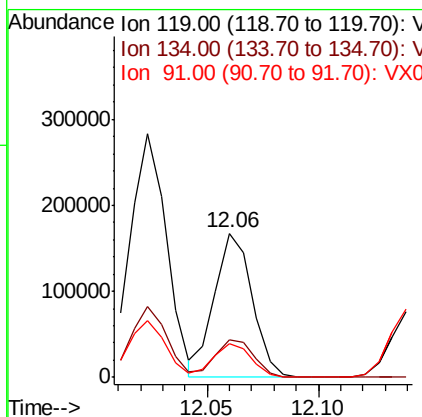
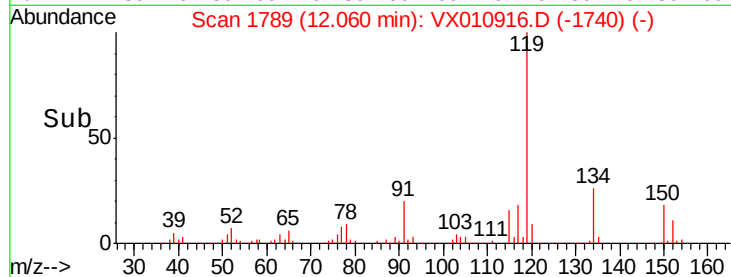
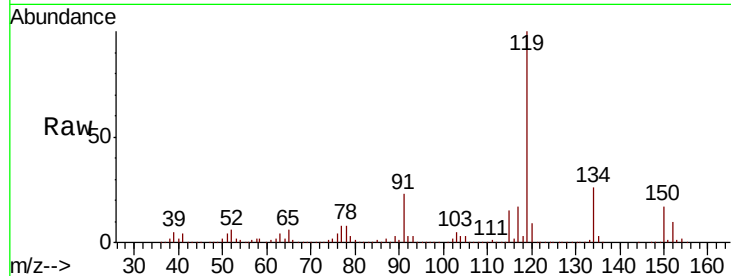




#86
p-Isopropyltoluene
Concen: 18.539 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

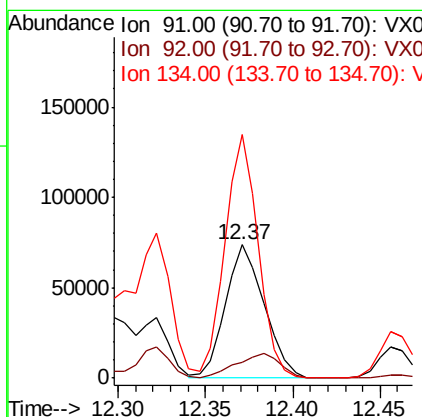
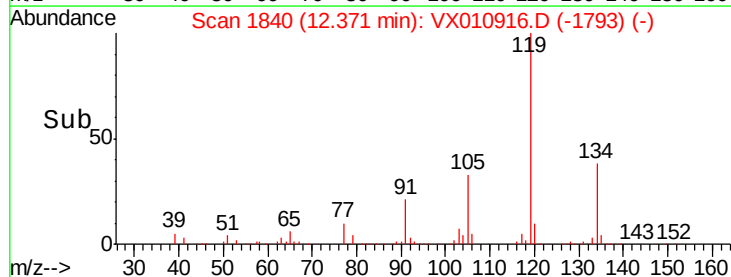
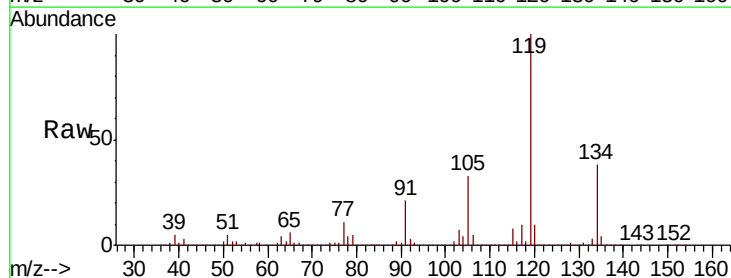
Instrument :
MSVOA_X
ClientSampled :
FL-0610

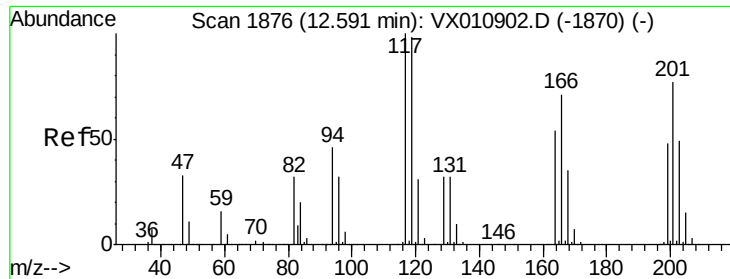
Tot Ion:119 Resp: 196108
Ion Ratio Lower Upper
119 100
134 27.1 13.4 40.1
91 23.6 11.8 35.4



#89
n-Butylbenzene
Concen: 12.490 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Tgt Ion: 91 Resp: 113038
Ion Ratio Lower Upper
91 100
92 21.2 26.2 78.5#
134 156.4 13.8 41.3#





#90

Hexachloroethane

Concen: 18.022 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

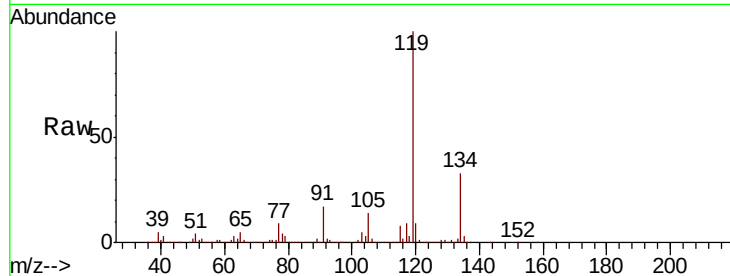
FL-0610

Tot Ion:117 Resp: 30070

Ion Ratio Lower Upper

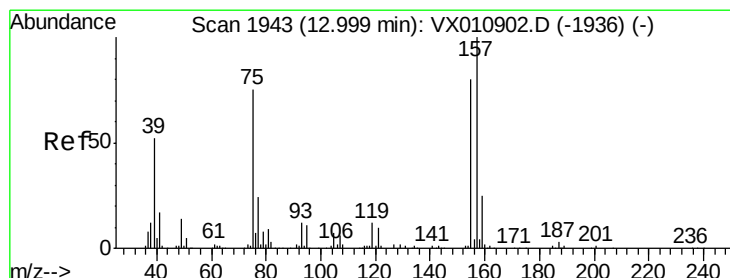
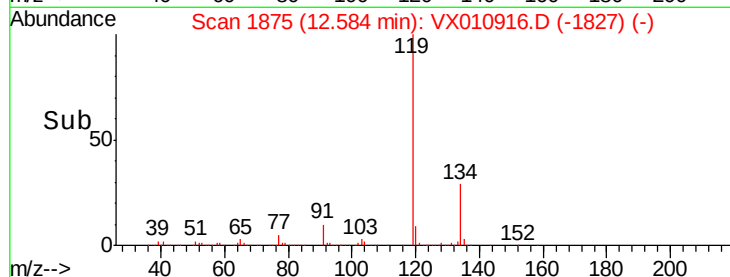
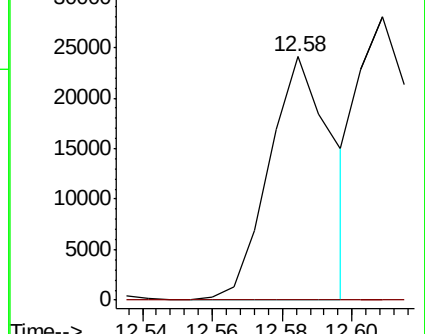
117 100

201 0.0 43.3 129.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.830 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010916.D

Acq: 16 Jul 2019 19:02

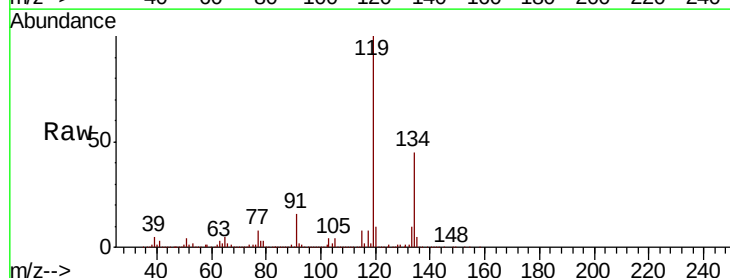
Tgt Ion: 75 Resp: 3117

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

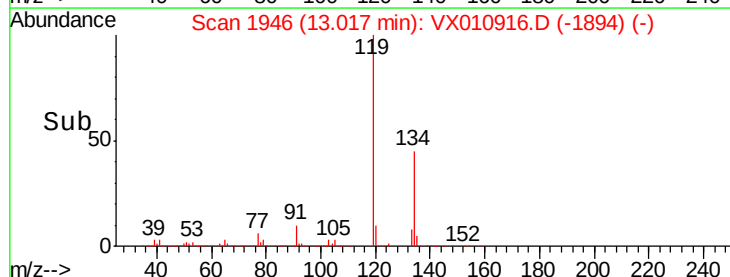
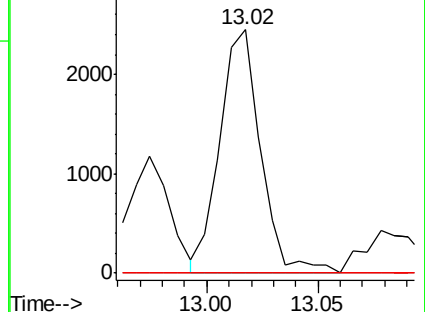
157 0.0 62.5 187.6#

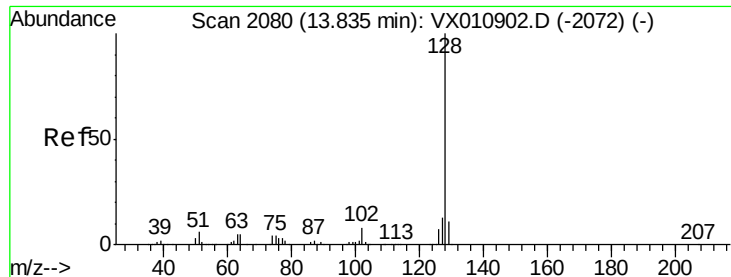


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

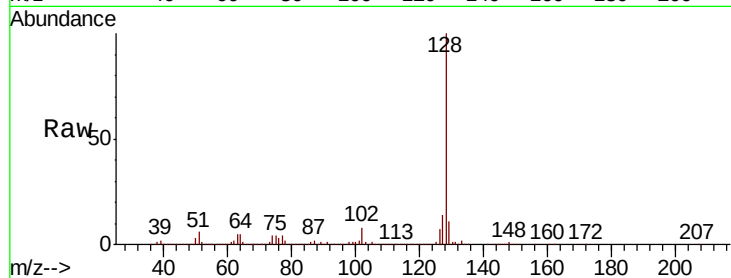




#95
Naphthalene
Concen: 20.467 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010916.D
Acq: 16 Jul 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
FL-0610

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	12.3	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

