

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010801.D
 Acq On : 11 Jul 2019 12:53
 Operator : JC/SP
 Sample : K3726-03
 Misc : 5.87g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PX-3_070919ME

Quant Time: Jul 12 06:52:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	206429	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	316382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148979	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	101908	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	5.50	113	91832	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	8.71	98	371107	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.14	95	135226	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	824	0.924	ug/l	96
6) Chloroethane	1.72	64	265	0.245	ug/l #	63
10) Methyl Iodide	2.48	142	1649	0.657	ug/l #	86
11) Tert butyl alcohol	3.02	59	10137	20.016	ug/l #	80
13) Acrolein	2.29	56	197	0.586	ug/l #	64
15) Acrylonitrile	3.16	53	266	0.265	ug/l #	34
17) Carbon Disulfide	2.53	76	1082	0.225	ug/l #	87
18) Methyl Acetate	2.80	43	2314	1.197	ug/l	97
20) Methylene Chloride	2.84	84	806	0.404	ug/l	93
36) 1,1-Dichloropropene	5.65	75	13237	5.265	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18799	6.905	ug/l #	14
39) Methylcyclohexane	7.45	83	1338	0.405	ug/l #	85
49) 1,4-Dioxane	7.66	88	21	0.366	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	745	0.272	ug/l #	34
55) 1,1,2-Trichloroethane	9.16	97	3655	1.718	ug/l #	19
56) Ethyl methacrylate	9.15	69	962	0.299	ug/l #	15
59) 2-Hexanone	9.44	43	12058	5.598	ug/l #	28
67) Ethyl Benzene	10.25	91	3408	0.352	ug/l #	85
68) m/p-Xylenes	10.36	106	4531	1.209	ug/l	75
69) o-Xylene	10.70	106	8503	2.306	ug/l	99
73) Isopropylbenzene	11.02	105	4282	0.424	ug/l	99
74) N-amyl acetate	10.91	43	38943	10.204	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	32248	9.642	ug/l #	26
76) 1,2,3-Trichloropropane	11.14	75	64330	23.696	ug/l #	34
78) n-propylbenzene	11.36	91	6517	0.587	ug/l #	50
79) 2-Chlorotoluene	11.67	91	11191	1.693	ug/l	75
80) 1,3,5-Trimethylbenzene	11.51	105	142437	17.109	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	64330	55.281	ug/l #	19
82) 4-Chlorotoluene	11.67	91	11297	1.502	ug/l	91
83) tert-Butylbenzene	11.80	119	17598	2.106	ug/l #	40
84) 1,2,4-Trimethylbenzene	11.80	105	146712	17.540	ug/l	100
85) sec-Butylbenzene	11.94	105	19304	1.968	ug/l	91
86) p-Isopropyltoluene	12.07	119	52688	5.806	ug/l	99
89) n-Butylbenzene	12.37	91	85173	11.045	ug/l #	1

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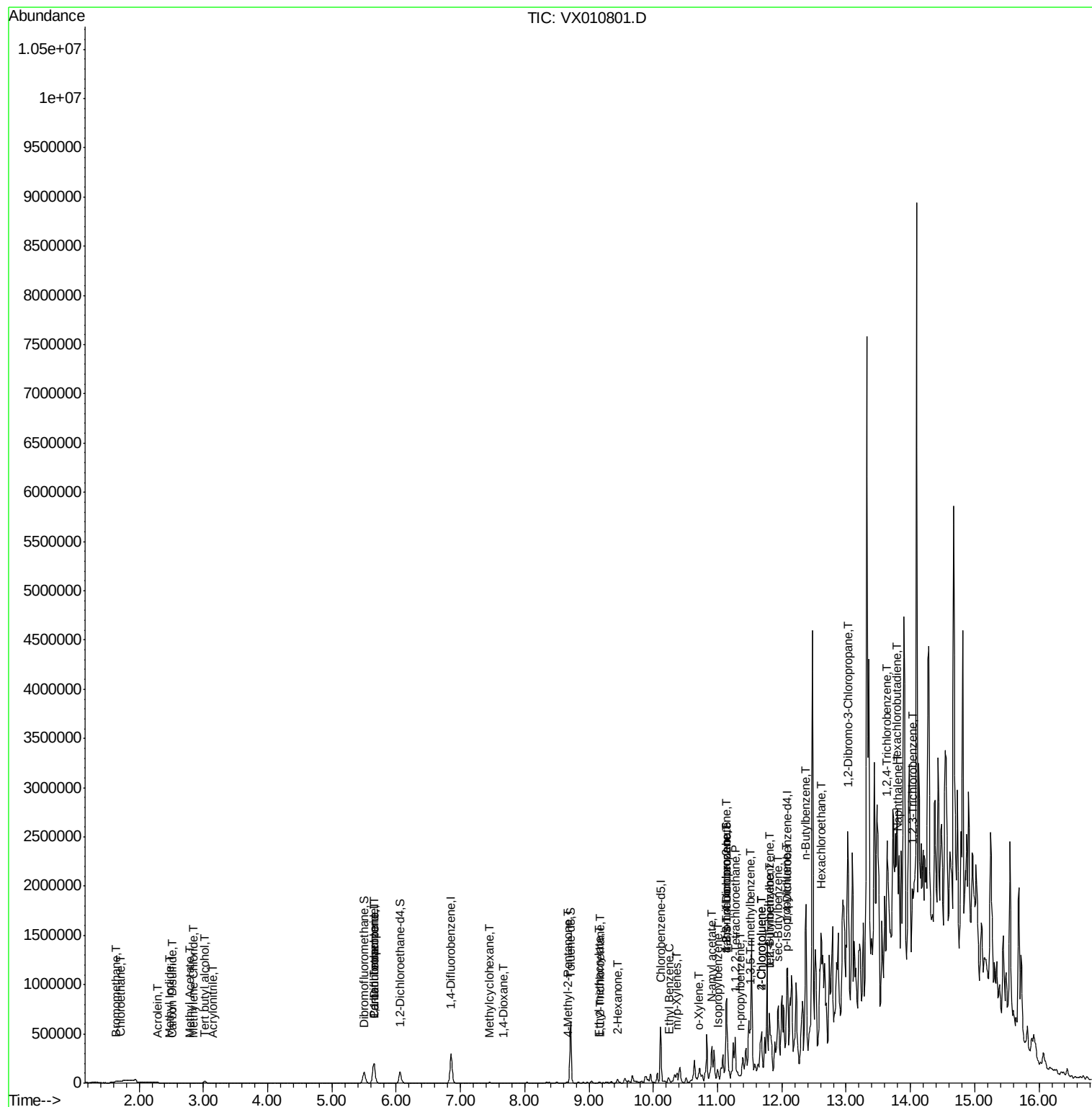
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	12.61	117	21122	13.460	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	3524	4.887	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1404	0.414	ug/l #	1
94) Hexachlorobutadiene	13.79	225	485	0.293	ug/l	88
95) Naphthalene	13.81	128	9862	0.946	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.04	180	14417	4.274	ug/l #	1

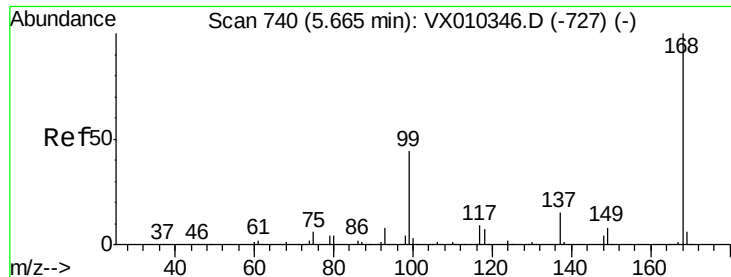
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

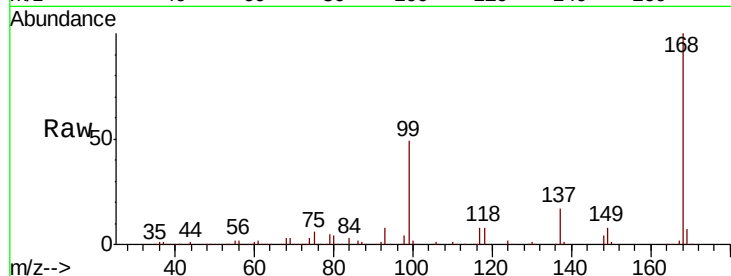
PX-3_070919ME

Tot Ion:168 Resp: 206429

Ion Ratio Lower Upper

168 100

99 48.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

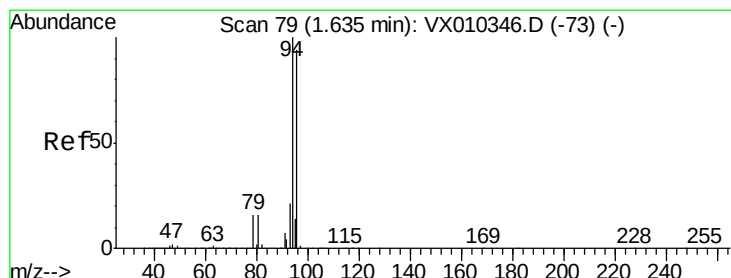
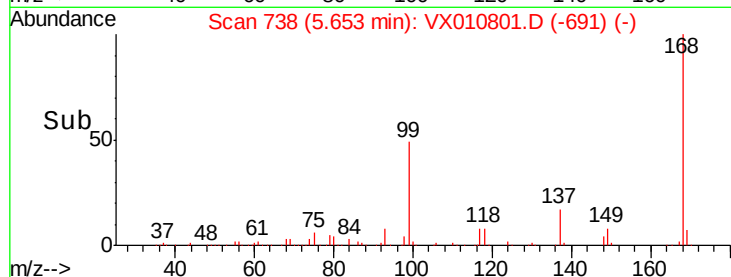
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.924 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010801.D

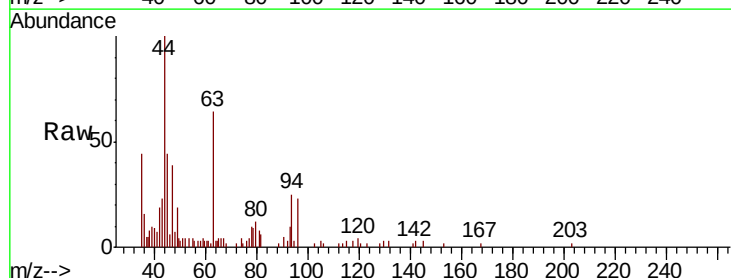
Acq: 11 Jul 2019 12:53

Tgt Ion: 94 Resp: 824

Ion Ratio Lower Upper

94 100

96 90.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

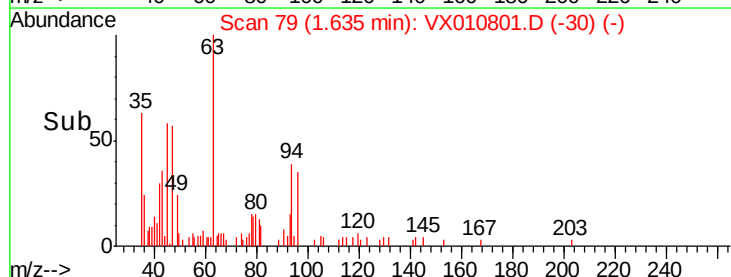
600

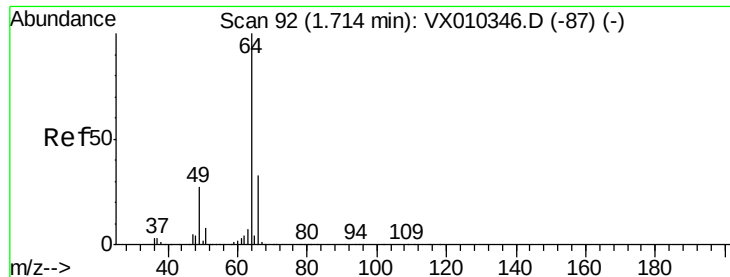
400

200

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.245 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

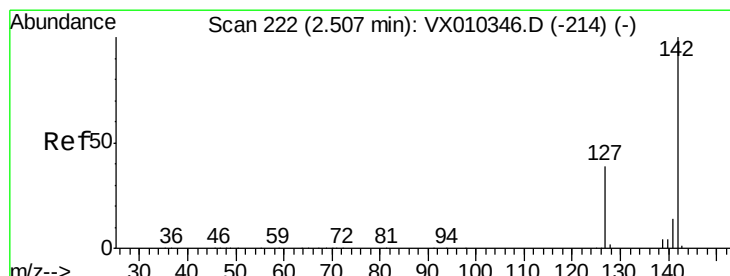
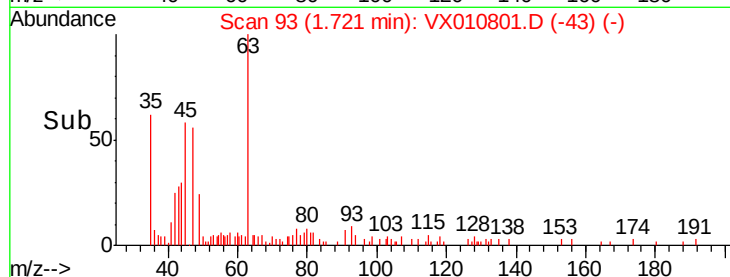
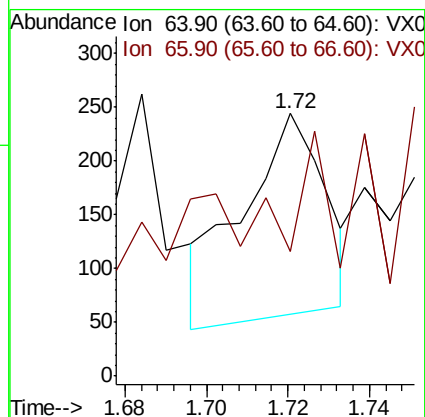
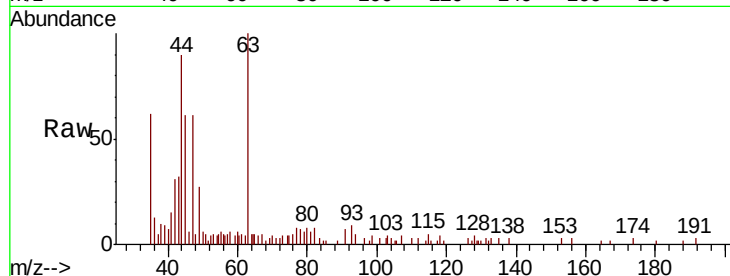
PX-3 070919ME

Tot Ion: 64 Resp: 265

Ion Ratio Lower Upper

64 100

66 12.4 26.6 40.0#



#10

Methyl Iodide

Concen: 0.657 ug/l

RT: 2.48 min Scan# 217

Delta R.T. -0.03 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

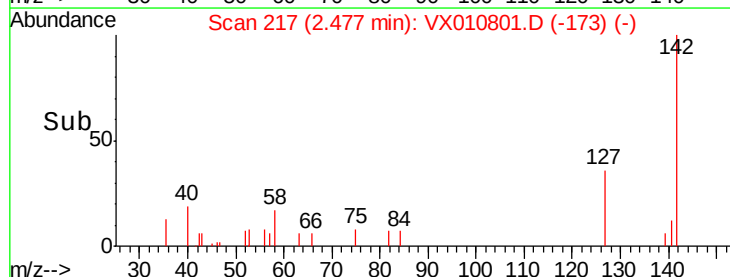
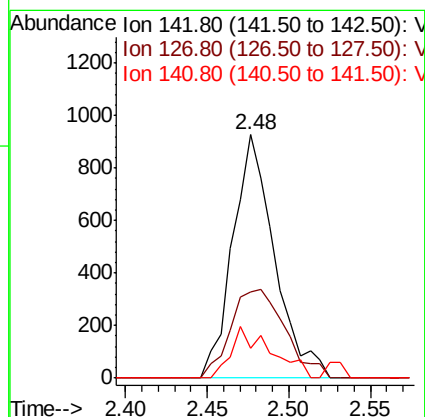
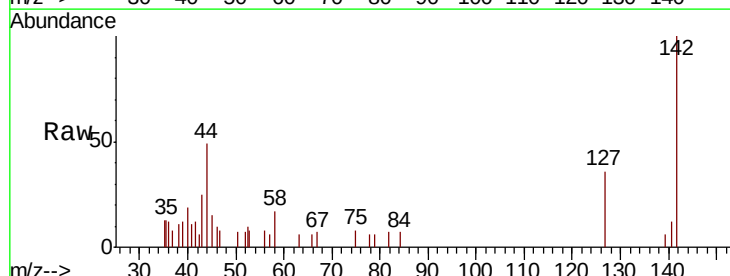
Tgt Ion: 142 Resp: 1649

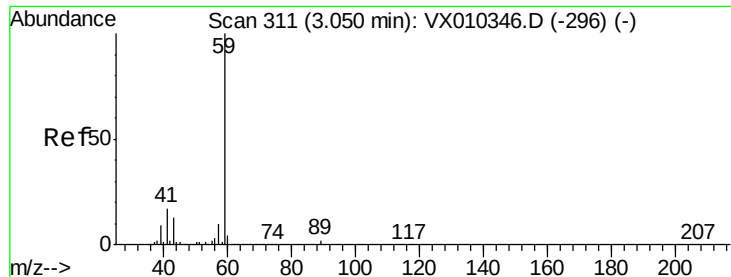
Ion Ratio Lower Upper

142 100

127 47.4 31.1 46.7#

141 20.0 11.2 16.8#



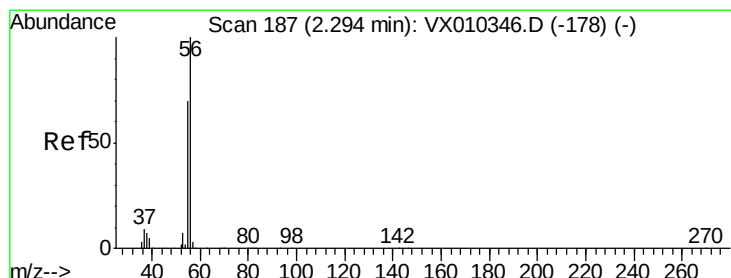
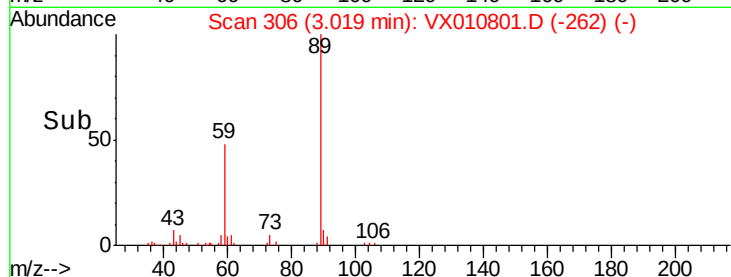
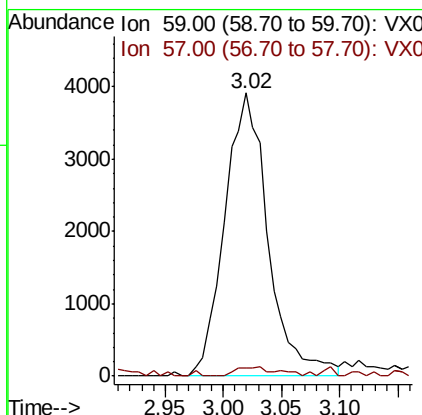
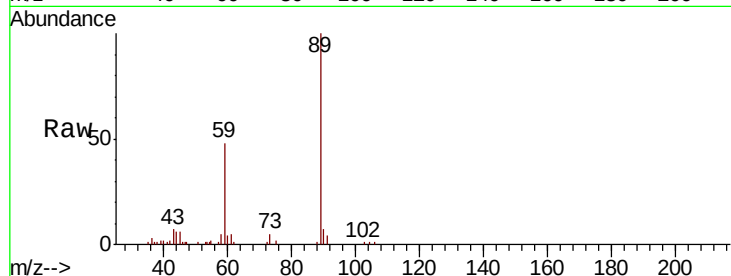


#11

Tert butyl alcohol
Concen: 20.016 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
PX-3_070919ME

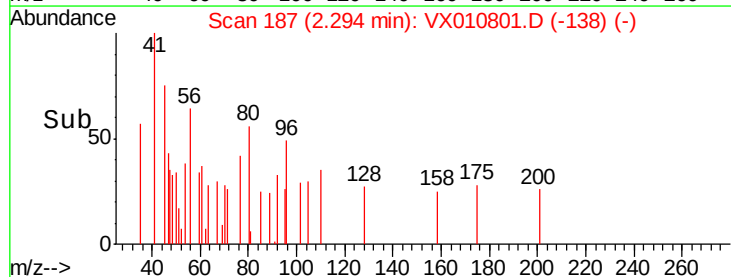
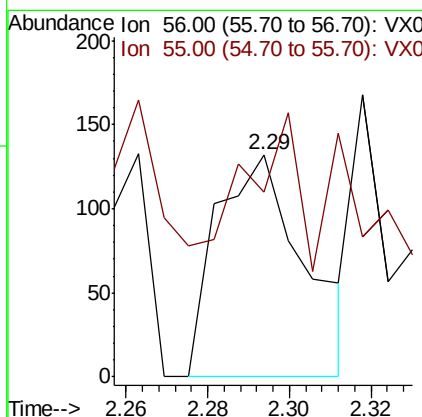
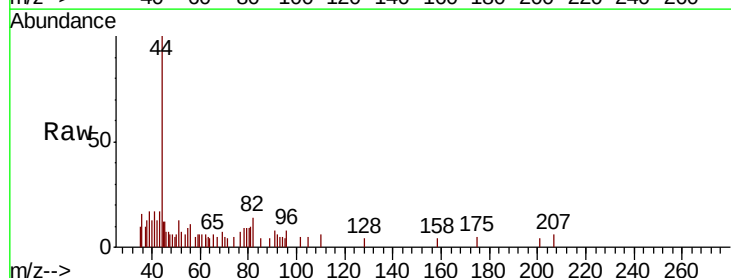
Tot Ion: 59 Resp: 10137
Ion Ratio Lower Upper
59 100
57 2.4 7.7 11.5#

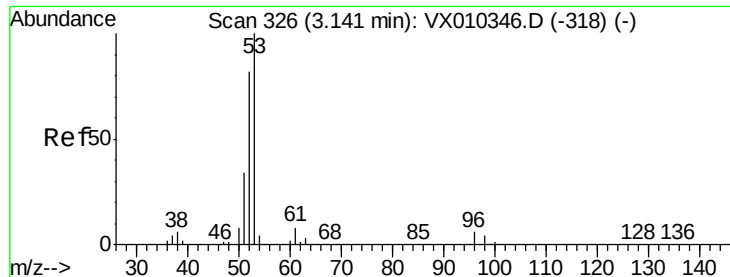


#13

Acrolein
Concen: 0.586 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Tgt Ion: 56 Resp: 197
Ion Ratio Lower Upper
56 100
55 41.6 56.9 85.3#





#15

Acrylonitrile

Concen: 0.265 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

PX-3_070919ME

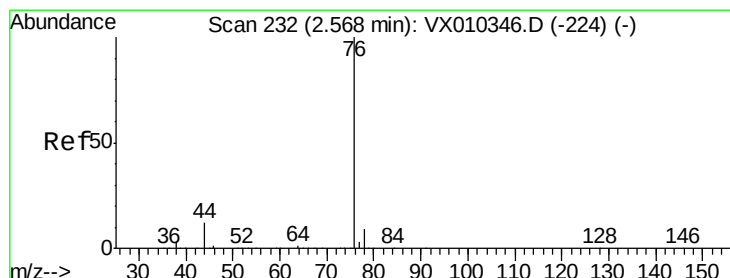
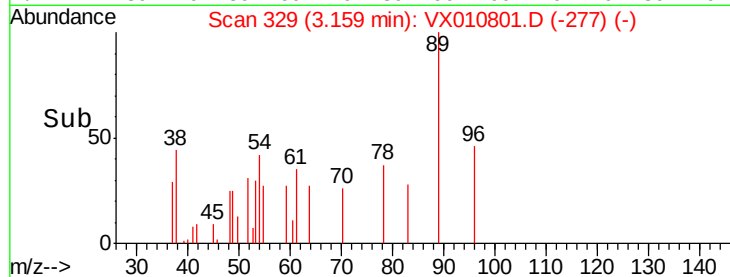
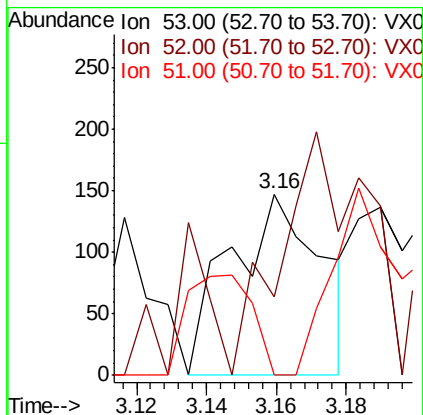
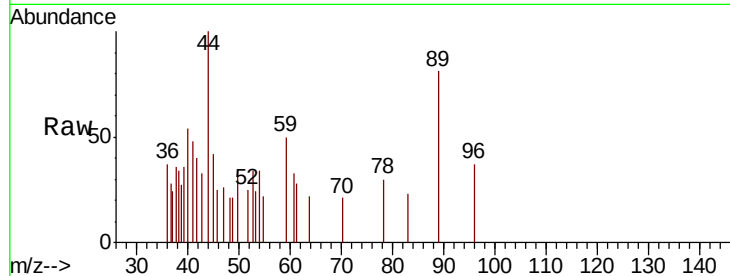
Tot Ion: 53 Resp: 266

Ion Ratio Lower Upper

53 100

52 0.0 65.5 98.3#

51 39.8 28.2 42.4



#17

Carbon Disulfide

Concen: 0.225 ug/l

RT: 2.53 min Scan# 225

Delta R.T. -0.04 min

Lab File: VX010801.D

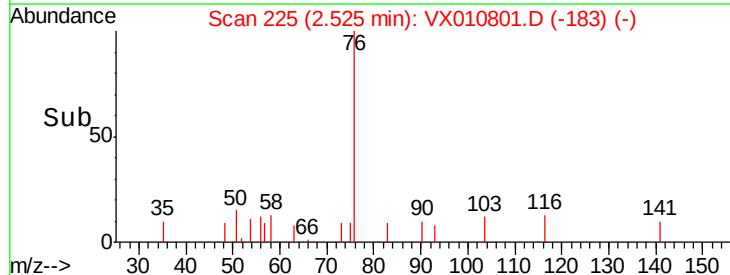
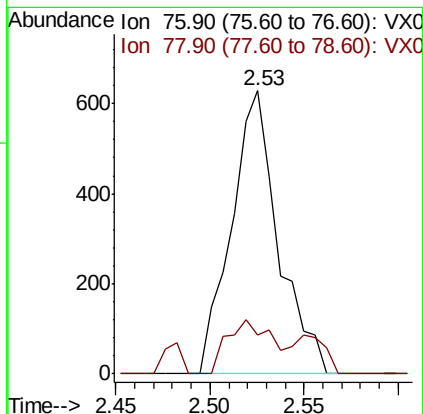
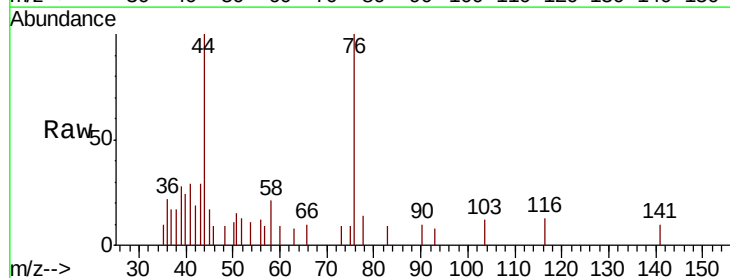
Acq: 11 Jul 2019 12:53

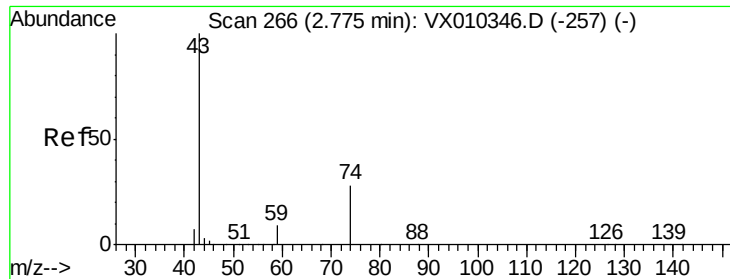
Tgt Ion: 76 Resp: 1082

Ion Ratio Lower Upper

76 100

78 13.7 7.3 10.9#

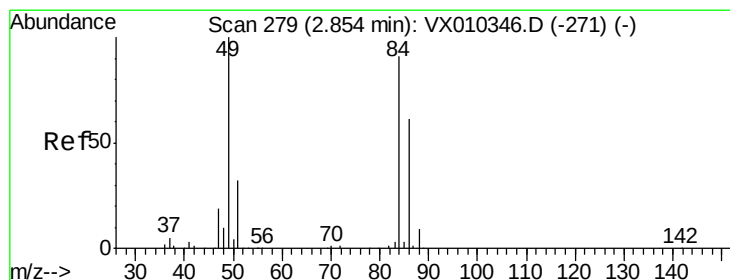
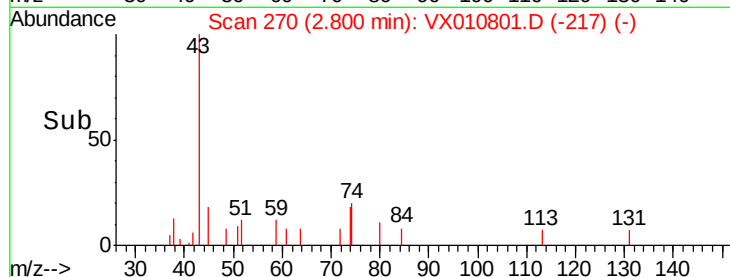
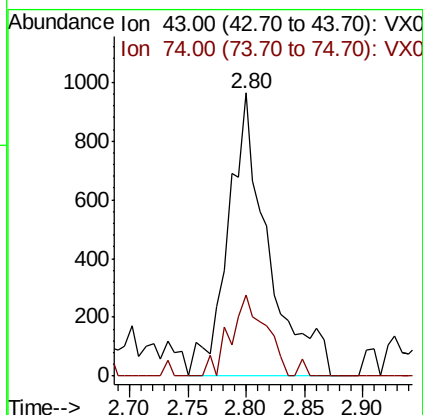
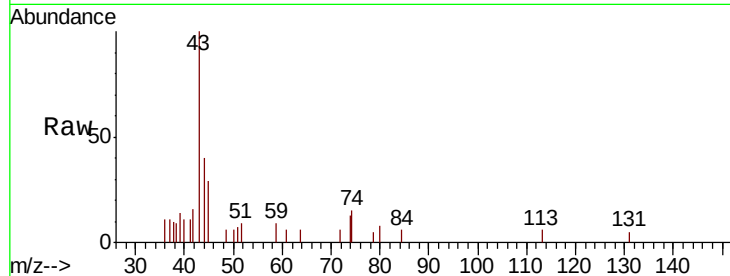




#18
Methyl Acetate
Concen: 1.197 ug/l
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

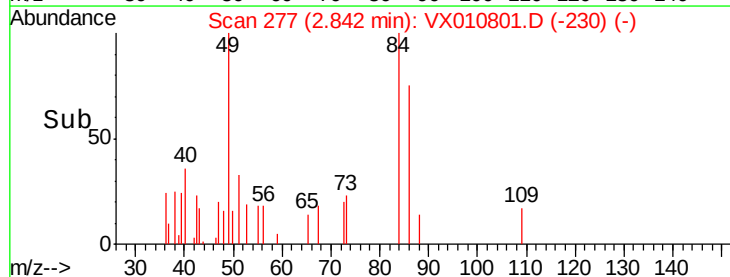
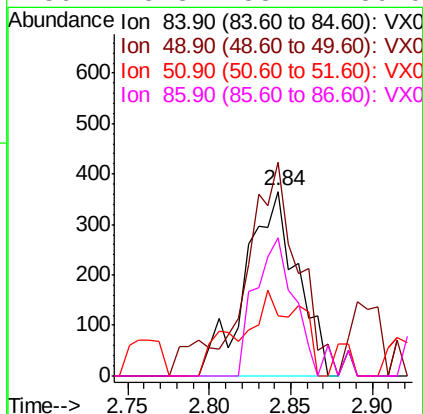
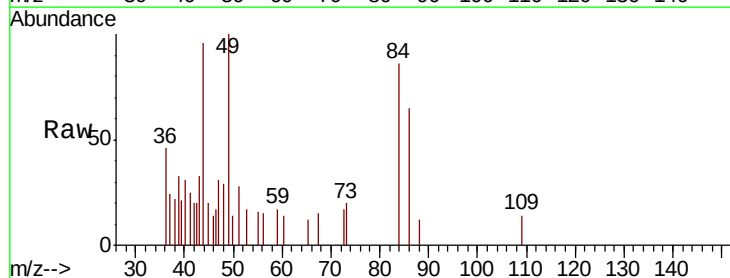
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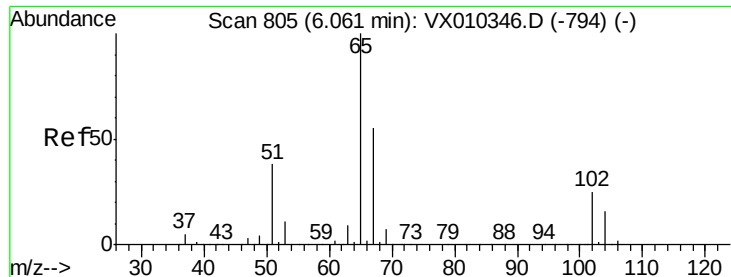
Tot Ion: 43 Resp: 2314
Ion Ratio Lower Upper
43 100
74 25.0 21.3 31.9



#20
Methylene Chloride
Concen: 0.404 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Tgt Ion: 84 Resp: 806
Ion Ratio Lower Upper
84 100
49 115.9 87.5 131.3
51 32.9 27.7 41.5
86 75.3 53.4 80.0

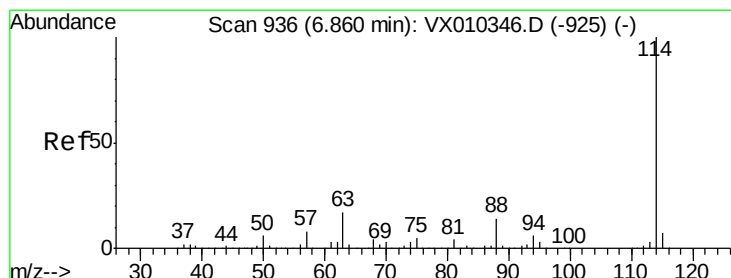
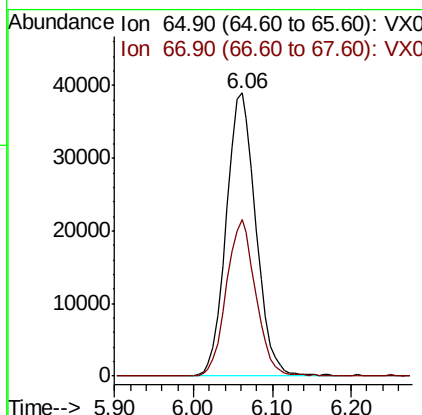
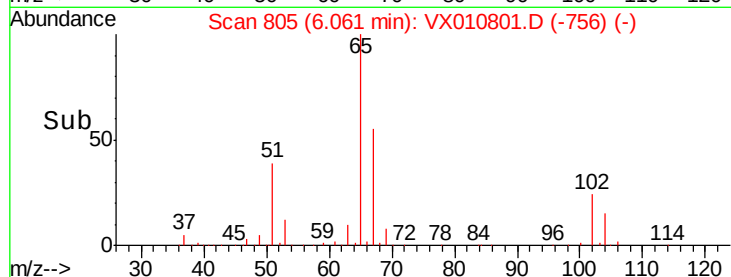
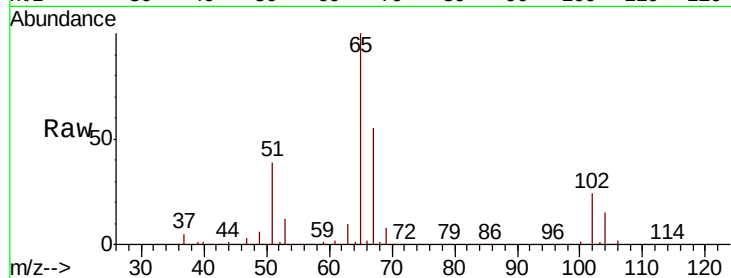




#33
 1,2-Dichloroethane-d4
 Concen: 52.653 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

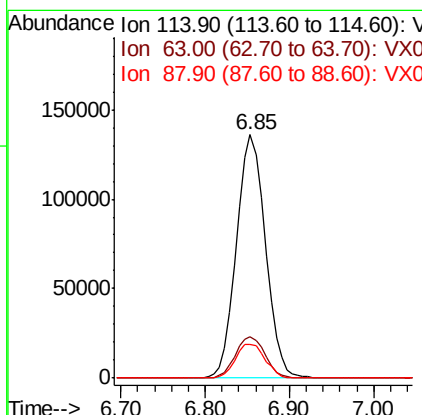
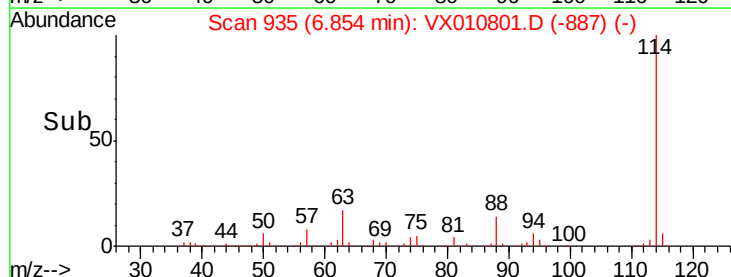
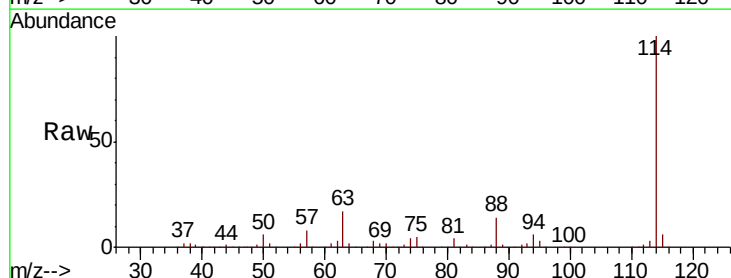
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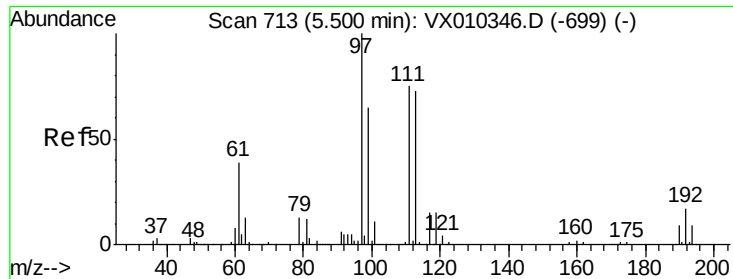
Tot Ion: 65 Resp: 101908
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

Tgt Ion: 114 Resp: 316382
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 33.8
 88 14.1 0.0 27.6

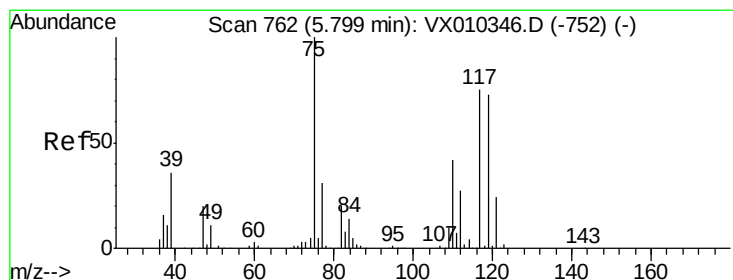
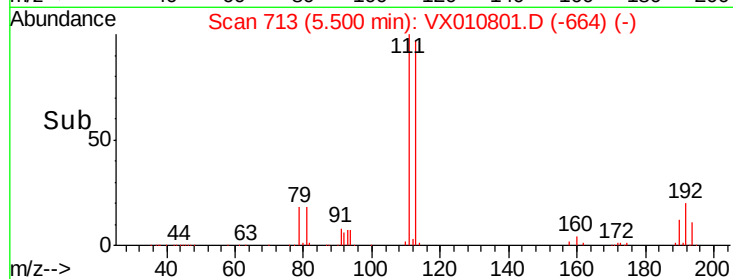
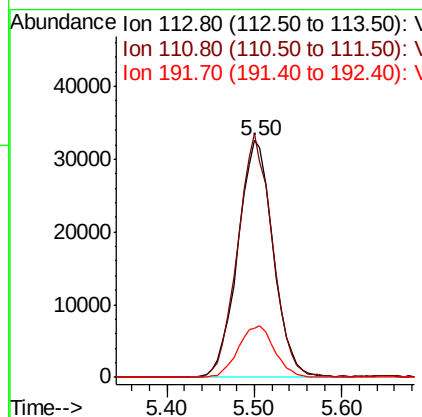
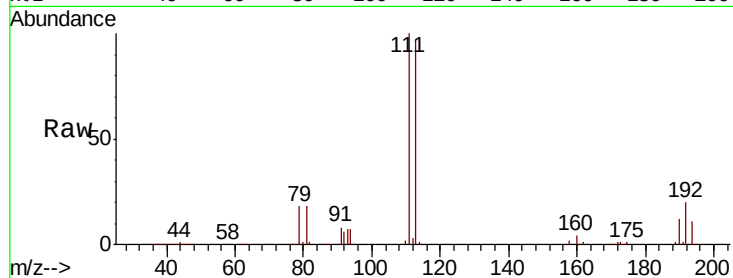




#35
 Dibromofluoromethane
 Concen: 47.440 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

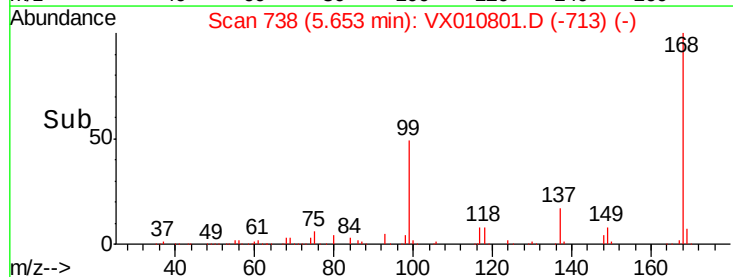
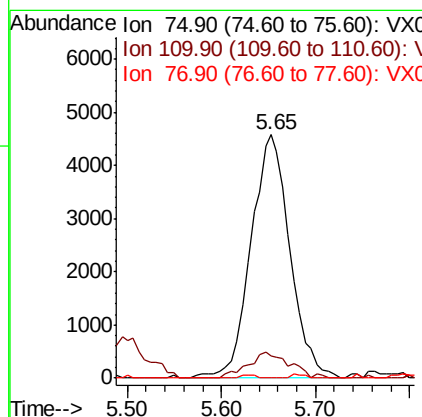
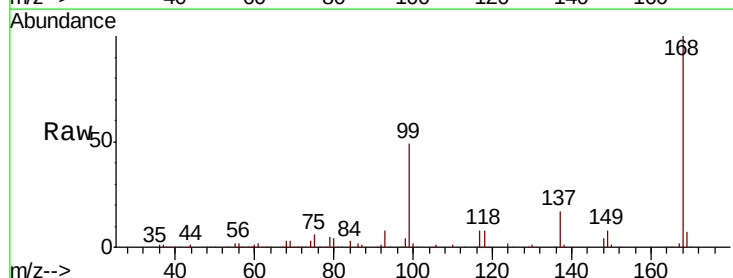
Instrument :
 MSVOA_X
 ClientSampleId :
 PX-3_070919ME

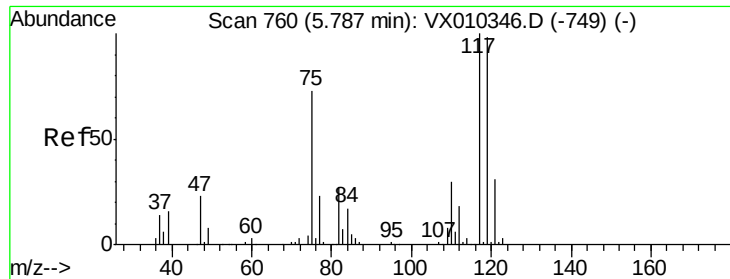
Tot Ion:113 Resp: 91832
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.2 121.8
 192 22.3 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.265 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

Tgt Ion: 75 Resp: 13237
 Ion Ratio Lower Upper
 75 100
 110 11.6 20.8 62.2#
 77 0.5 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.905 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.14 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

PX-3 070919ME

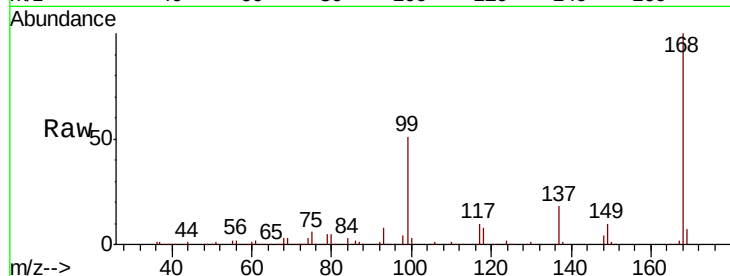
Tot Ion:117 Resp: 18799

Ion Ratio Lower Upper

117 100

119 3.7 78.2 117.4#

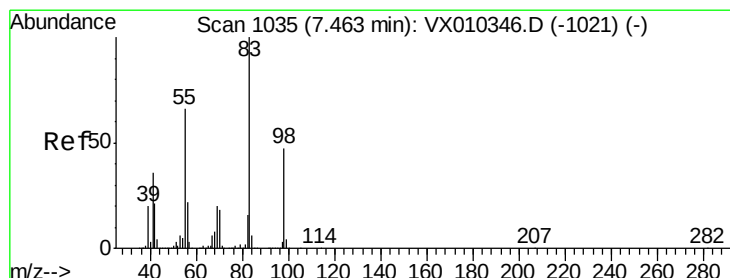
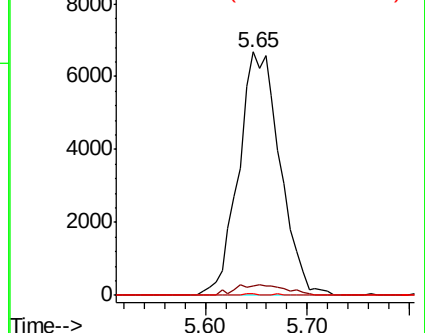
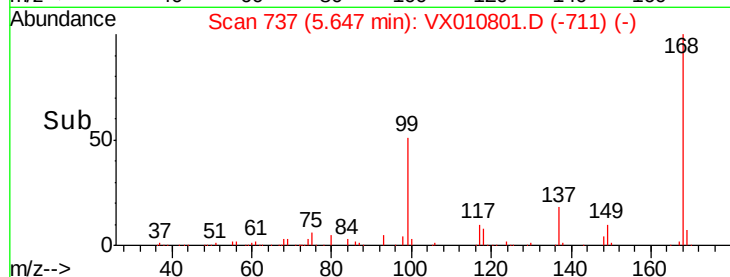
121 0.8 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.405 ug/l

RT: 7.45 min Scan# 1032

Delta R.T. -0.02 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

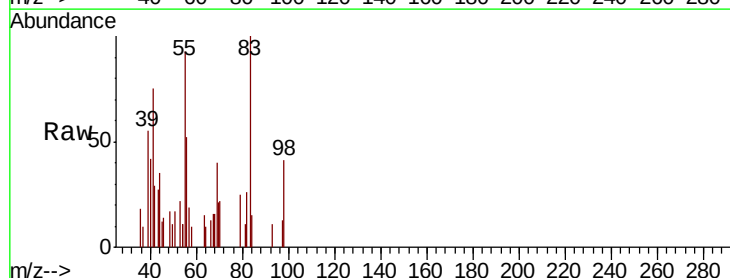
Tgt Ion: 83 Resp: 1338

Ion Ratio Lower Upper

83 100

55 81.8 53.0 79.6#

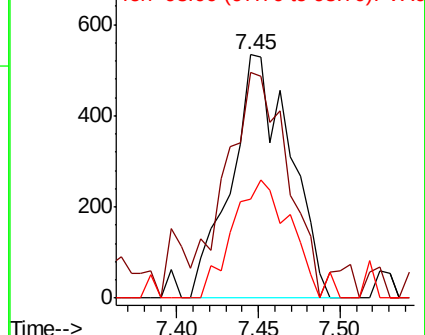
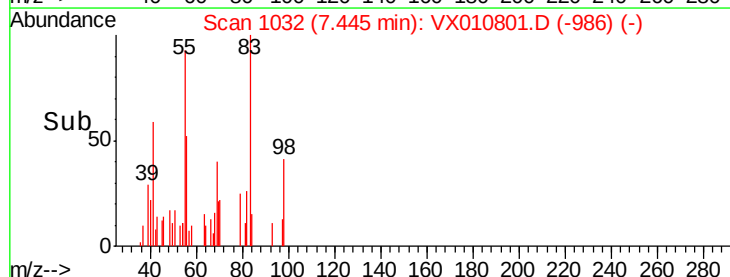
98 40.8 37.8 56.8

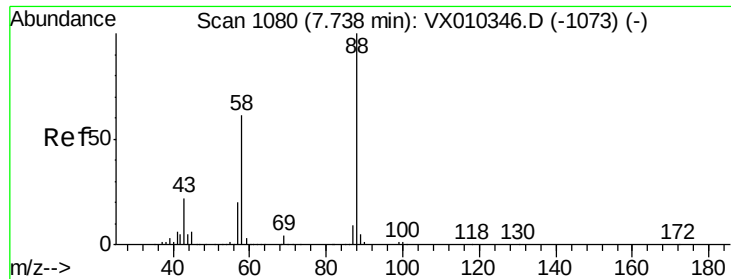


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

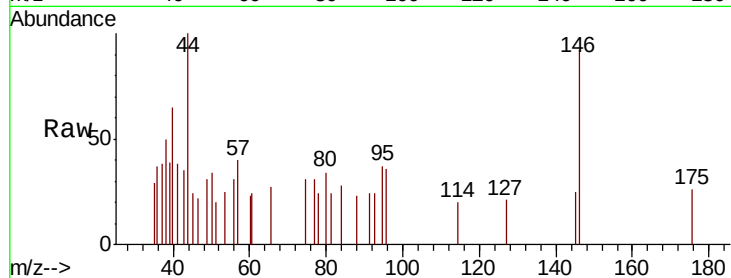




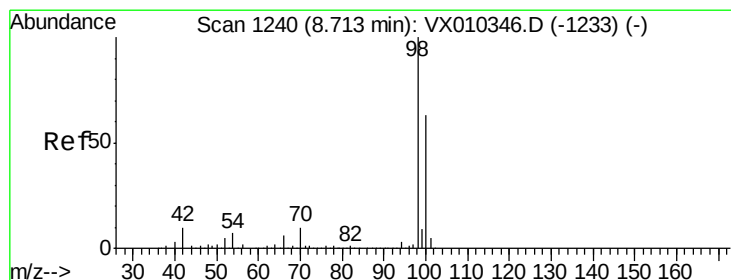
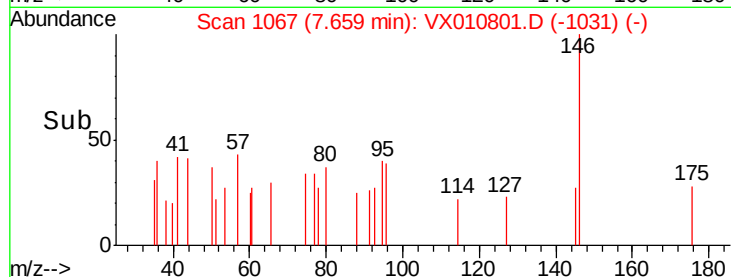
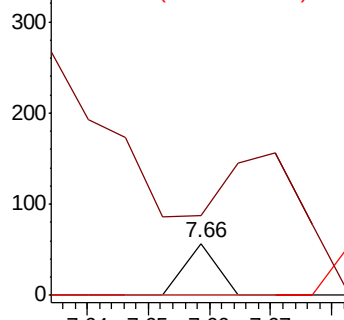
#49
1,4-Dioxane
Concen: 0.366 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.08 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
PX-3_070919ME

Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 661.9 20.2 30.2#
58 0.0 49.5 74.3#

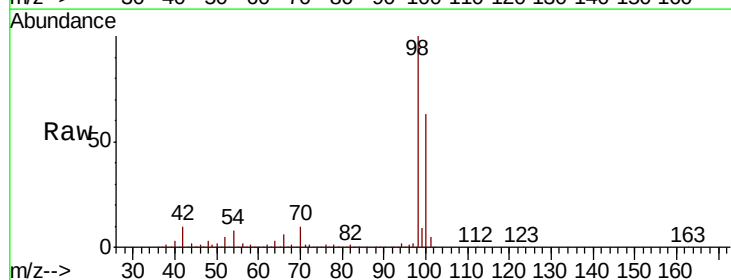


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

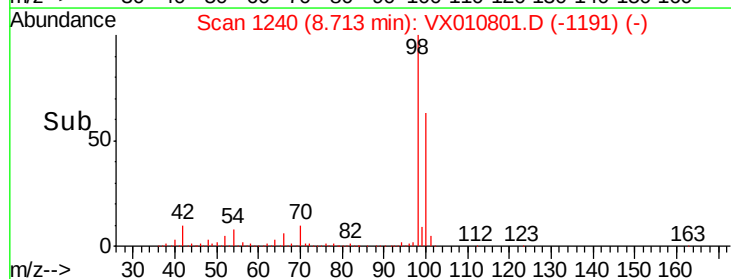
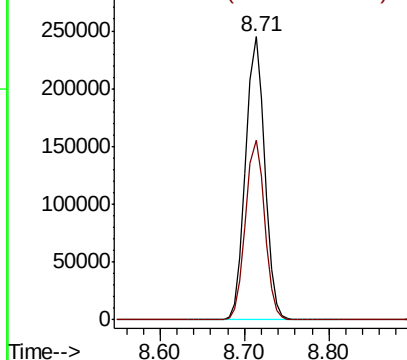


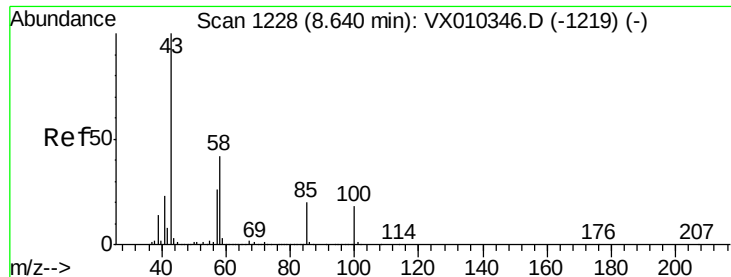
#50
Toluene-d8
Concen: 50.111 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Tgt Ion: 98 Resp: 371107
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

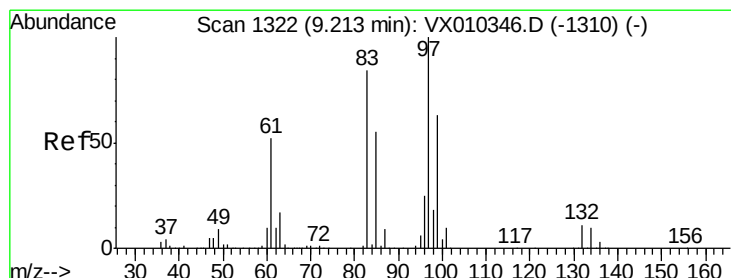
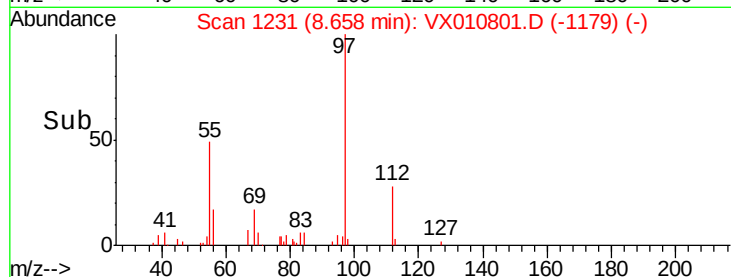
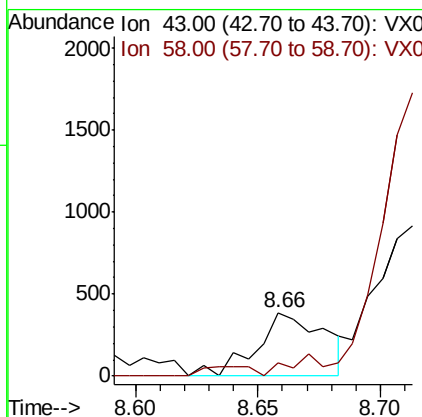
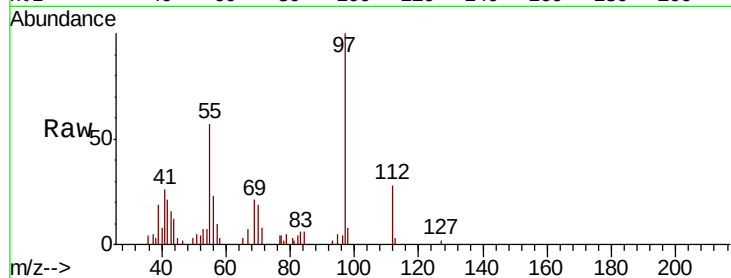




#51
 4-Methyl-2-Pentanone
 Concen: 0.272 ug/l
 RT: 8.66 min Scan# 1231
 Delta R.T. 0.02 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

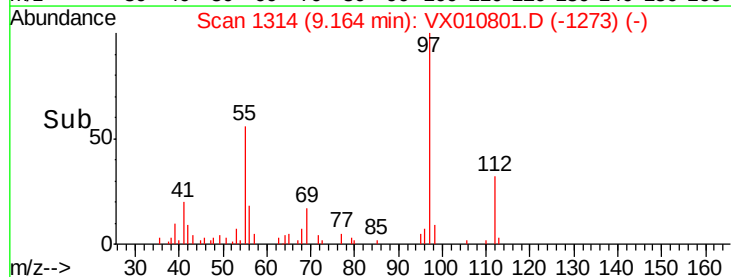
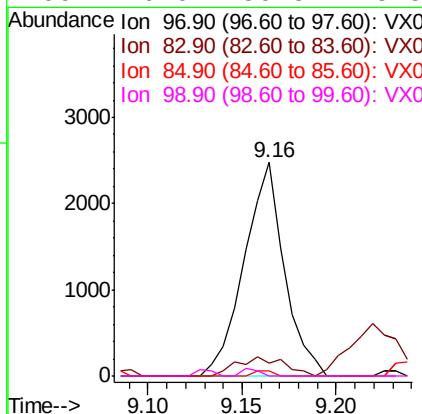
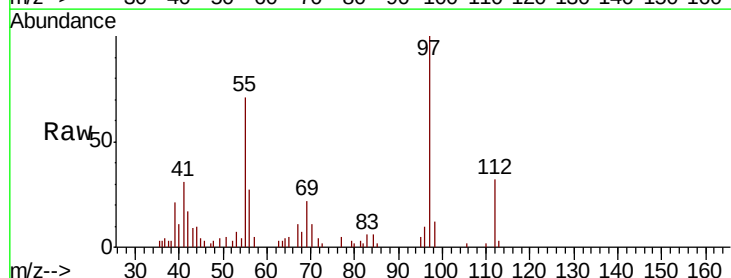
Instrument :
 MSVOA_X
 ClientSampleId :
 PX-3_070919ME

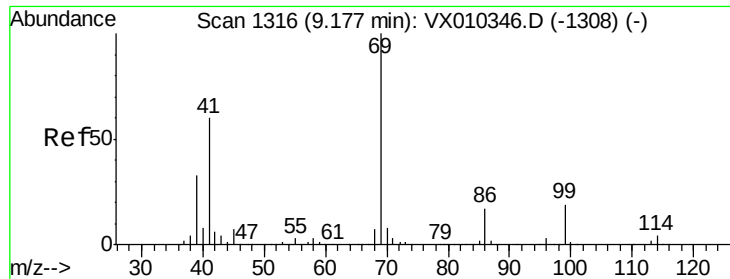
Tot Ion: 43 Resp: 745
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.5 50.3#



#55
 1,1,2-Trichloroethane
 Concen: 1.718 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

Tgt Ion: 97 Resp: 3655
 Ion Ratio Lower Upper
 97 100
 83 6.3 67.4 101.0#
 85 2.3 43.8 65.8#
 99 0.0 50.3 75.5#





#56

Ethyl methacrylate

Concen: 0.299 ug/l

RT: 9.15 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

PX-3_070919ME

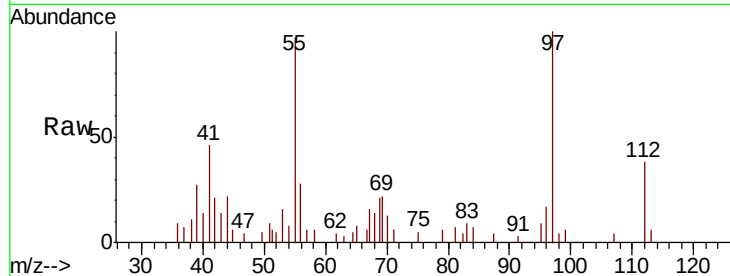
Tot Ion: 69 Resp: 962

Ion Ratio Lower Upper

69 100

41 114.4 47.1 70.7#

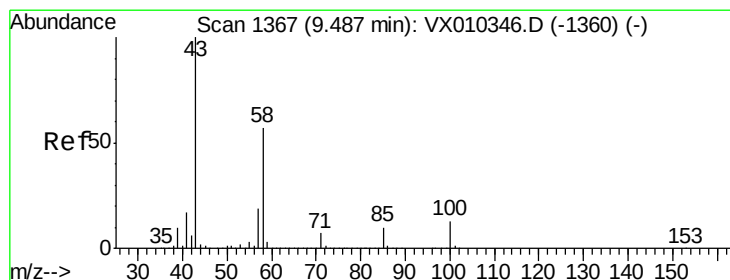
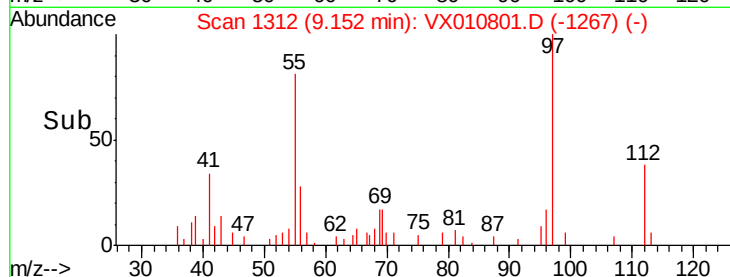
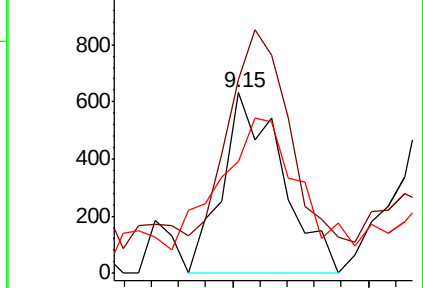
39 91.9 26.6 40.0#



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: 5.598 ug/l

RT: 9.44 min Scan# 1359

Delta R.T. -0.05 min

Lab File: VX010801.D

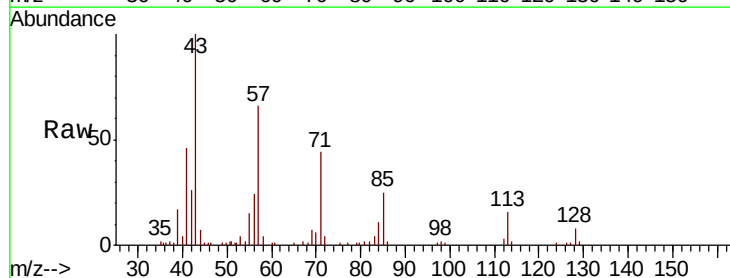
Acq: 11 Jul 2019 12:53

Tgt Ion: 43 Resp: 12058

Ion Ratio Lower Upper

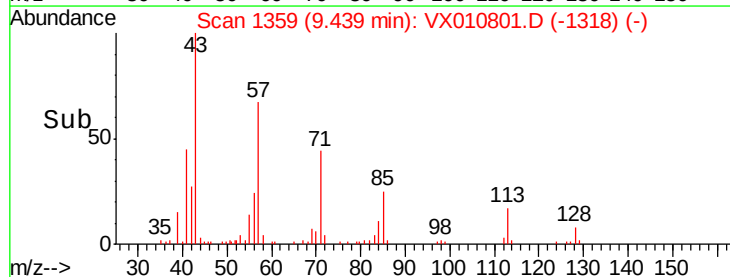
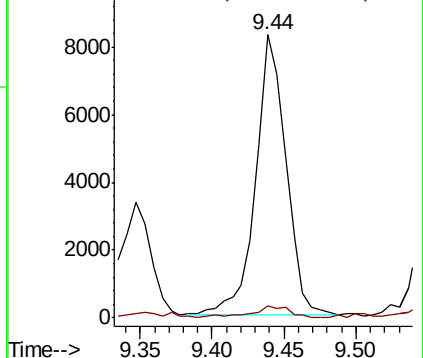
43 100

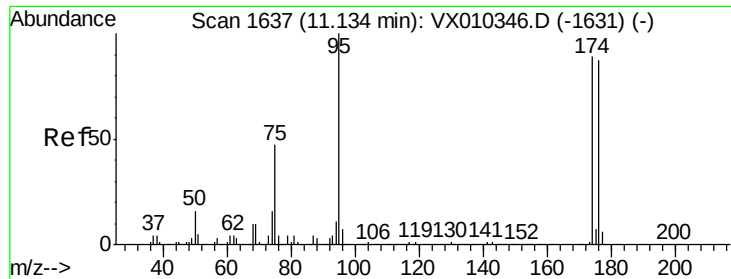
58 4.4 29.0 87.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.577 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

PX-3 070919ME

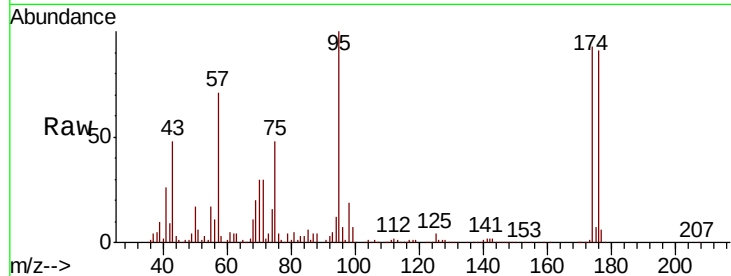
Tot Ion: 95 Resp: 135226

Ion Ratio Lower Upper

95 100

174 90.5 0.0 187.6

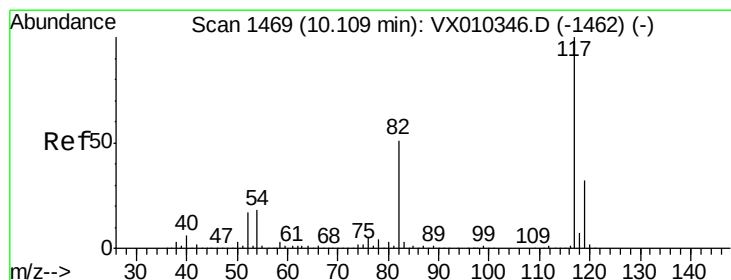
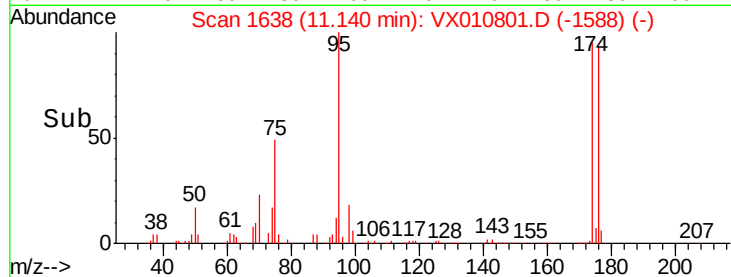
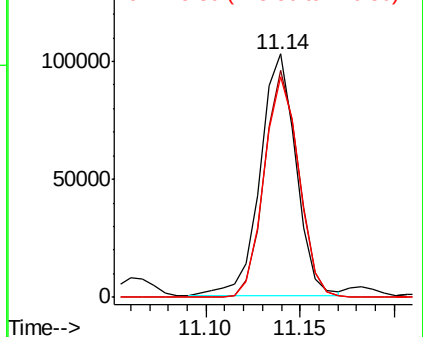
176 89.0 0.0 184.0



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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

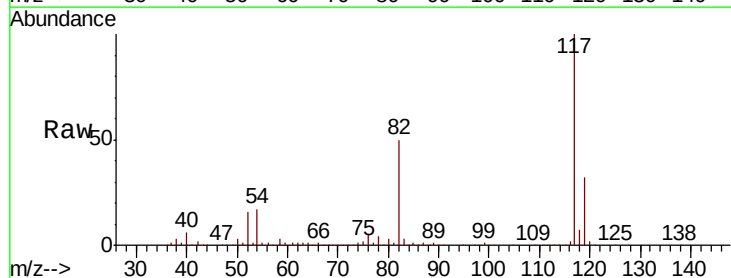
Tgt Ion: 117 Resp: 282277

Ion Ratio Lower Upper

117 100

82 49.5 41.2 61.8

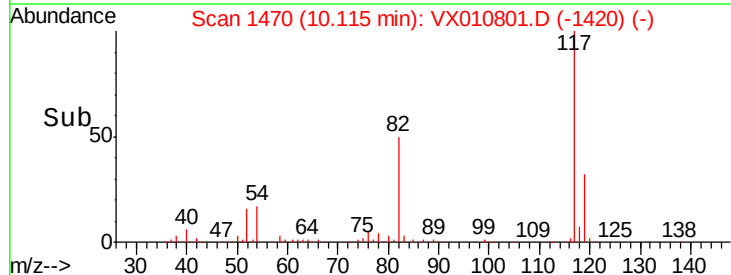
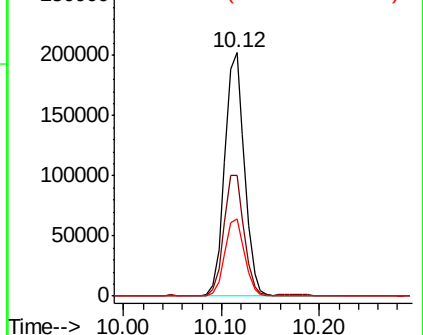
119 31.9 25.5 38.3

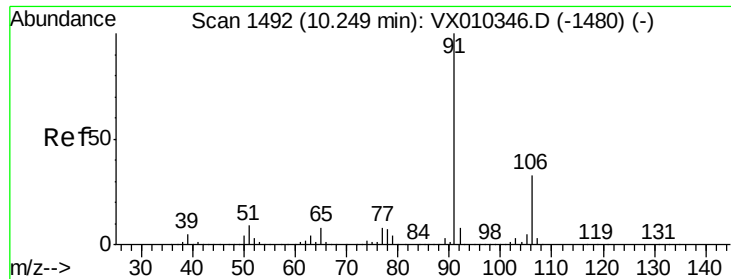


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

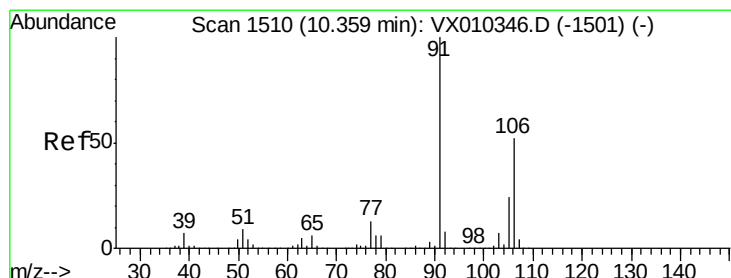
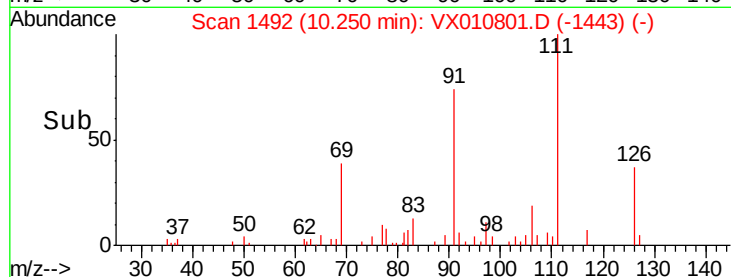
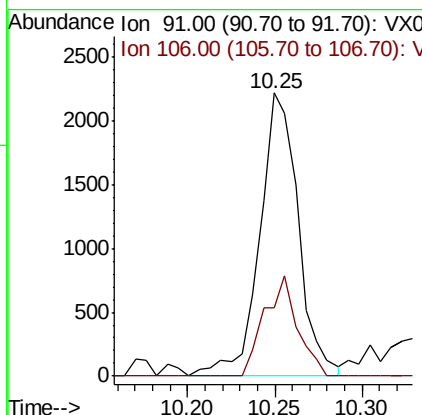
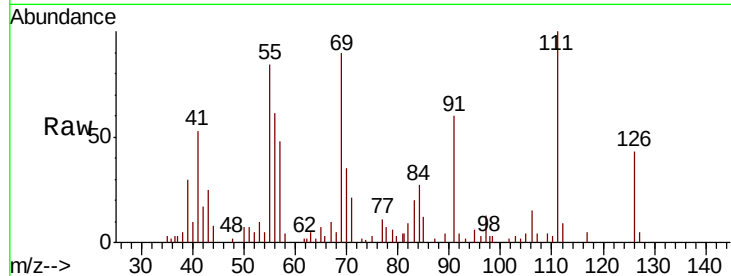




#67
Ethyl Benzene
Concen: 0.352 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

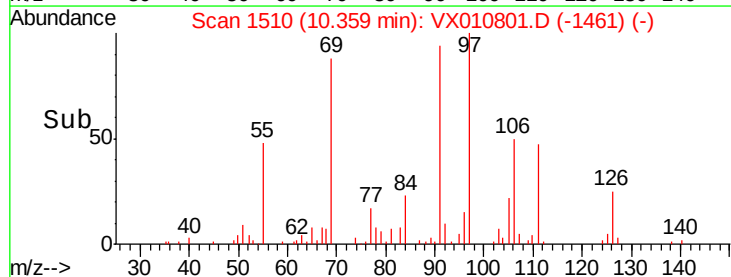
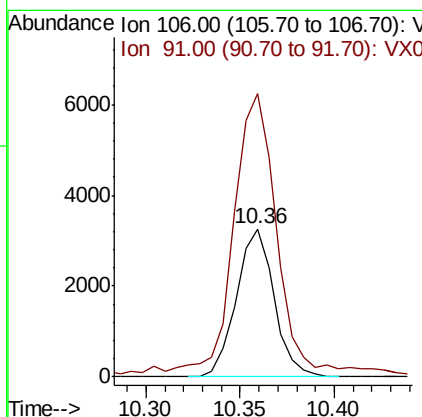
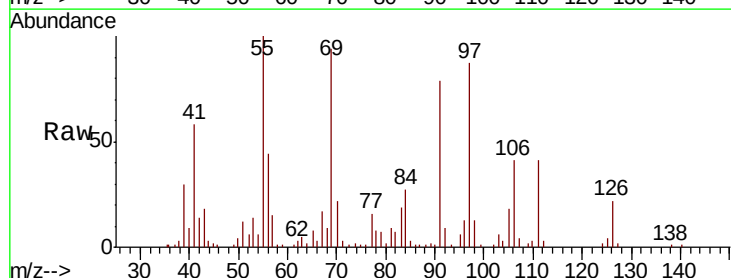
Instrument :
MSVOA_X
ClientSampleId :
PX-3_070919ME

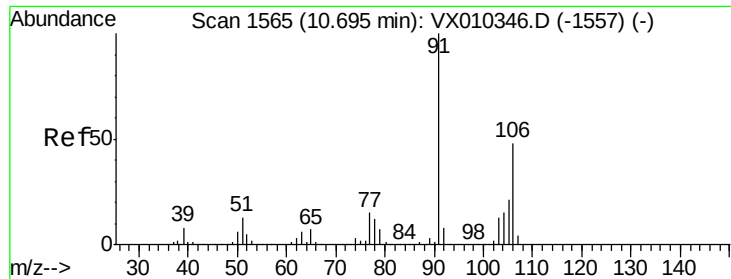
Tot Ion: 91 Resp: 3408
Ion Ratio Lower Upper
91 100
106 24.3 26.2 39.2#



#68
m/p-Xylenes
Concen: 1.209 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Tgt Ion: 106 Resp: 4531
Ion Ratio Lower Upper
106 100
91 231.7 155.3 232.9

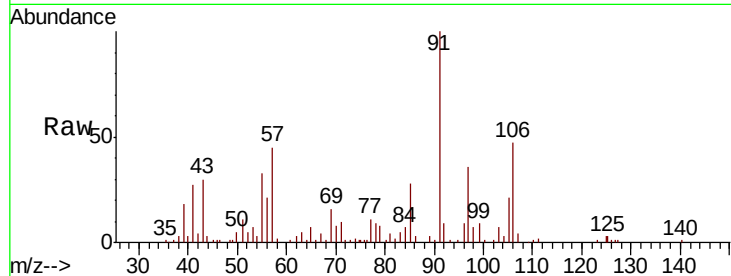




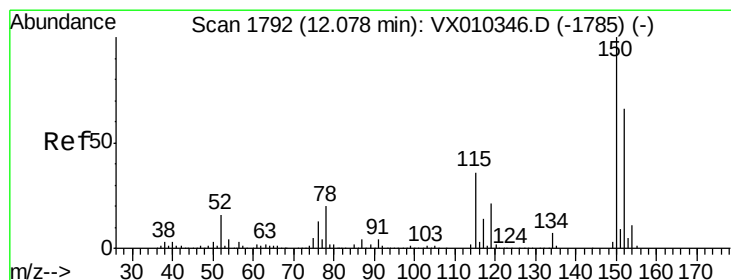
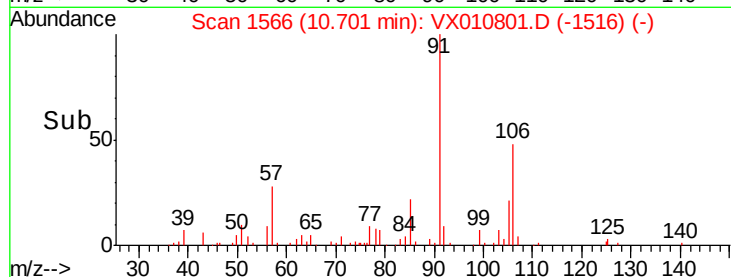
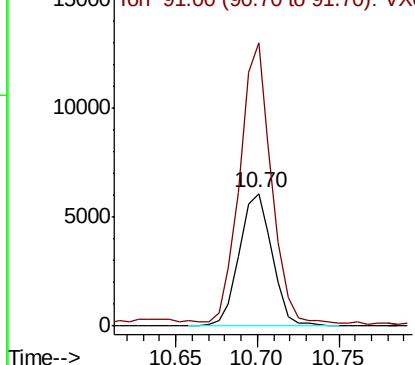
#69
o-Xylene
Concen: 2.306 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Instrument :
MSVOA_X
ClientSampled :
PX-3 070919ME

Tot Ion:106 Resp: 8503
Ion Ratio Lower Upper
106 100
91 203.9 102.7 308.1

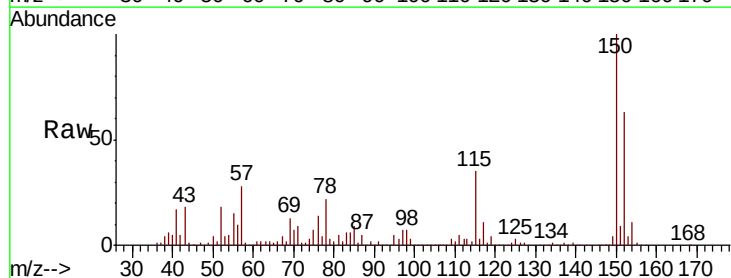


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

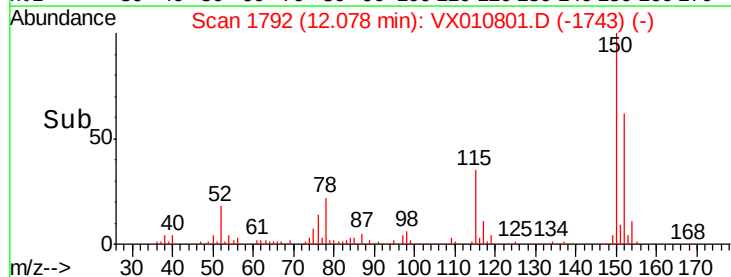
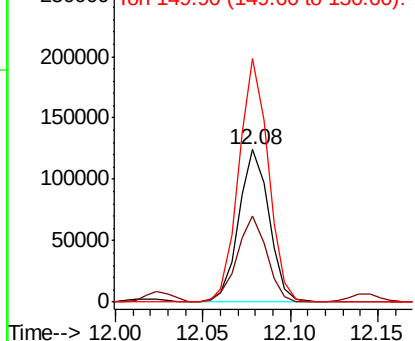


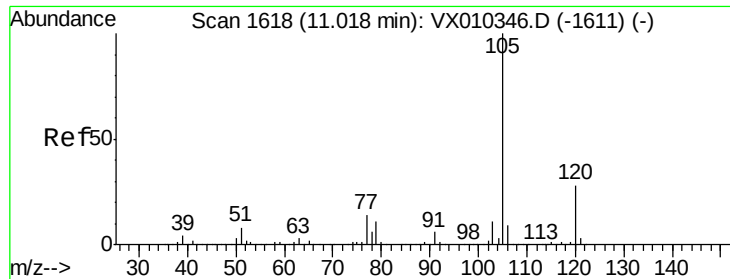
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Tgt Ion:152 Resp: 148979
Ion Ratio Lower Upper
152 100
115 55.8 38.6 115.7
150 156.5 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.424 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

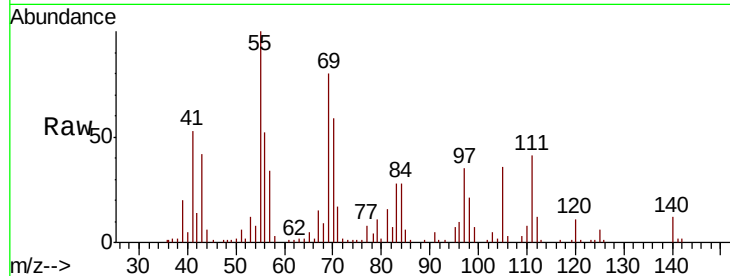
PX-3_070919ME

Tot Ion:105 Resp: 4282

Ion Ratio Lower Upper

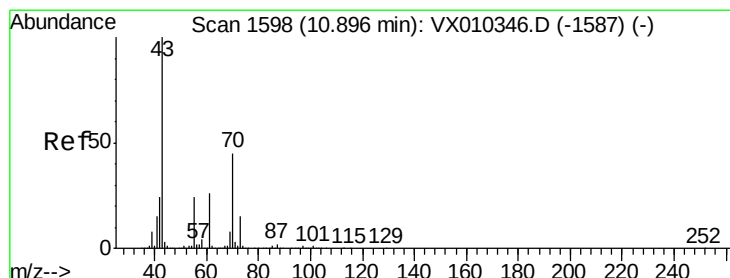
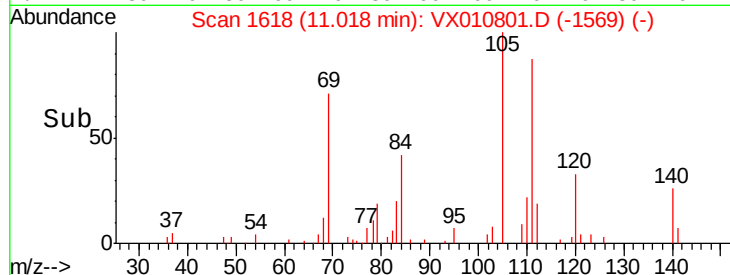
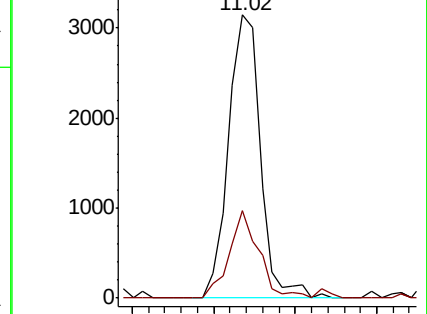
105 100

120 28.8 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.204 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Tgt Ion: 43 Resp: 38943

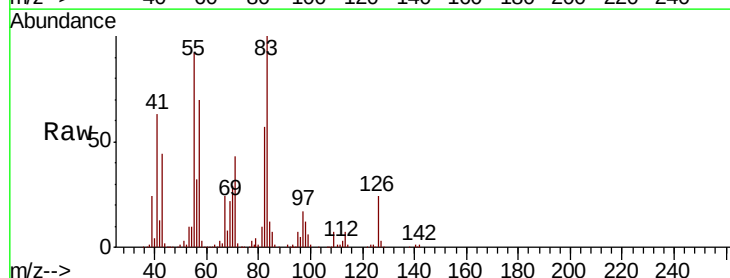
Ion Ratio Lower Upper

43 100

70 83.6 36.6 54.8#

55 181.0 18.7 28.1#

61 0.0 20.6 31.0#

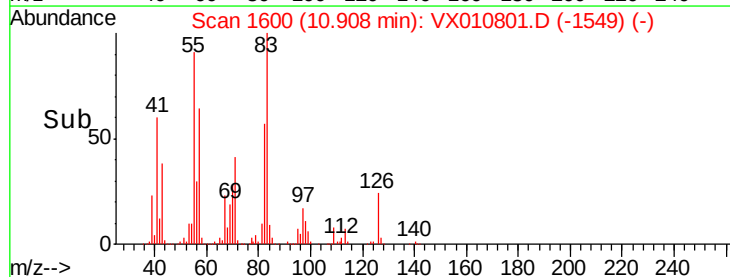
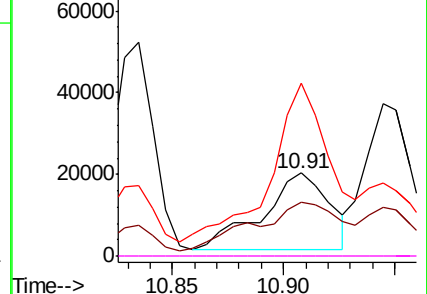


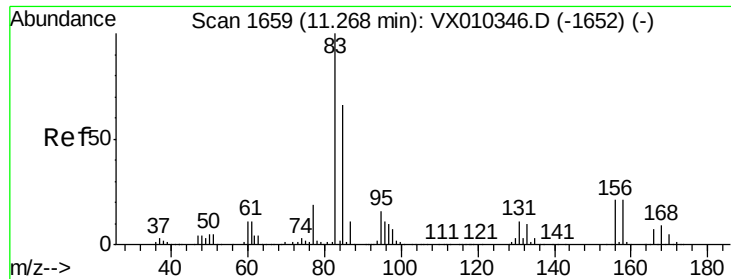
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 9.642 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampled :

PX-3 070919ME

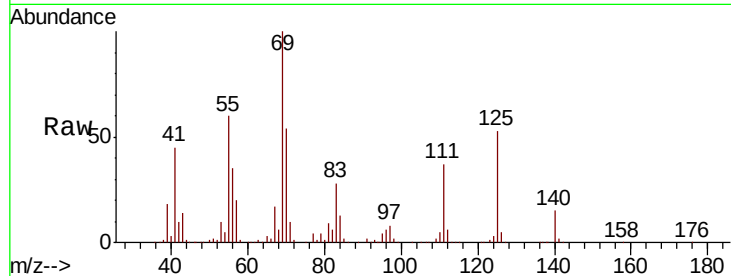
Tot Ion: 83 Resp: 32248

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

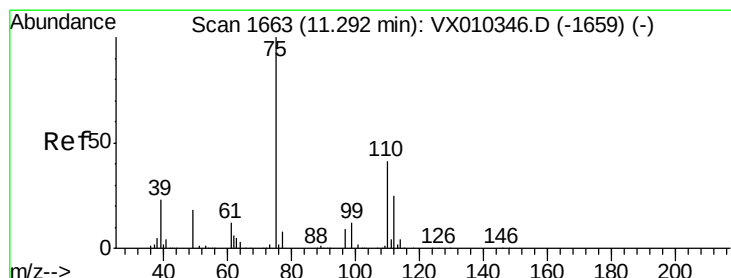
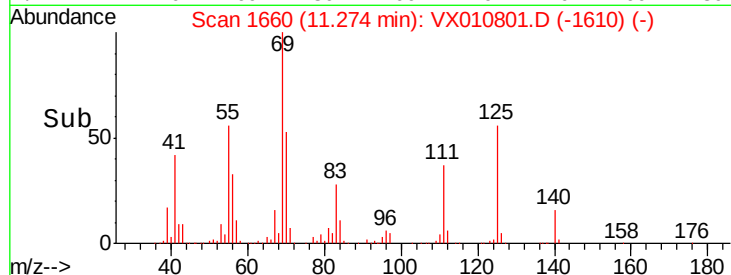
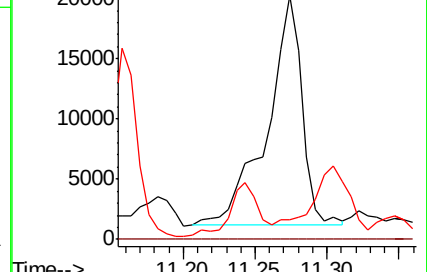
85 0.0 32.3 96.8#



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: 23.696 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX010801.D

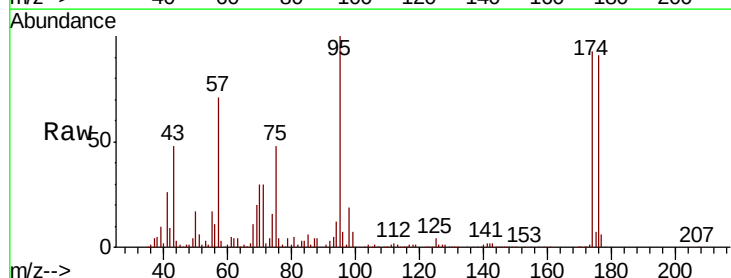
Acq: 11 Jul 2019 12:53

Tgt Ion: 75 Resp: 64330

Ion Ratio Lower Upper

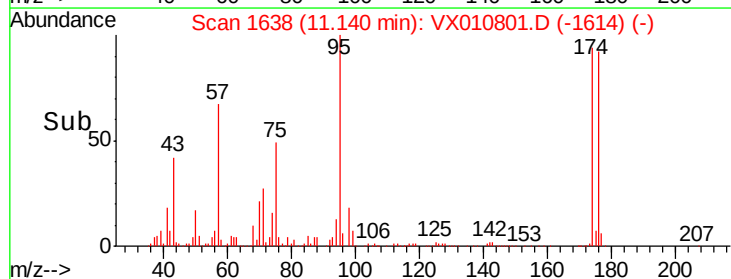
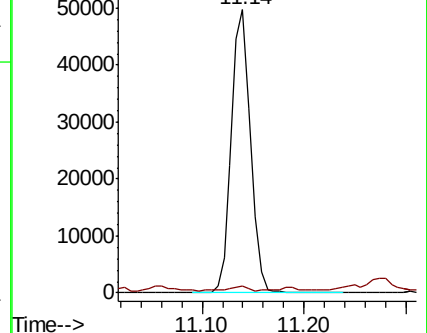
75 100

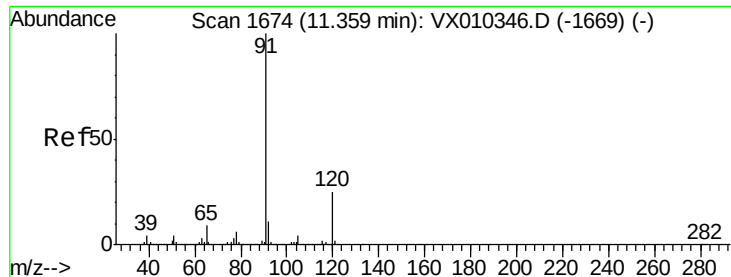
77 1.7 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.587 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

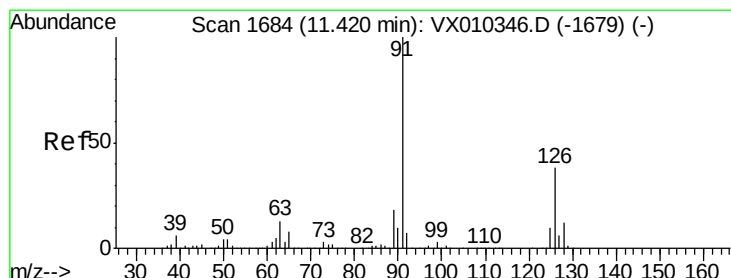
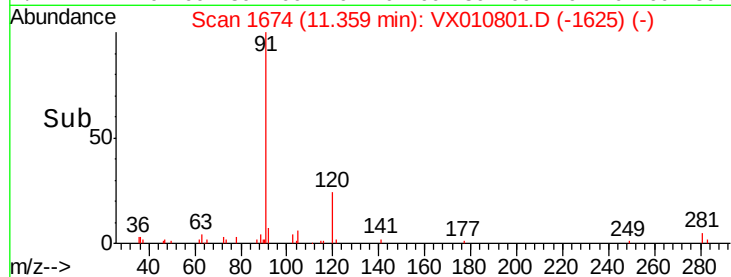
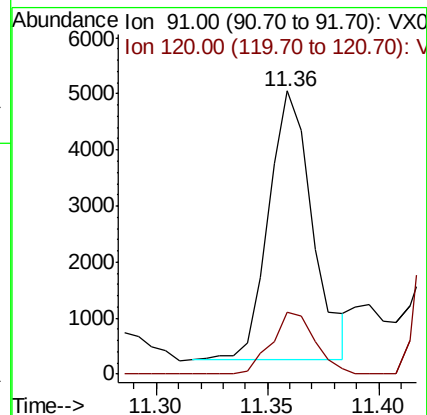
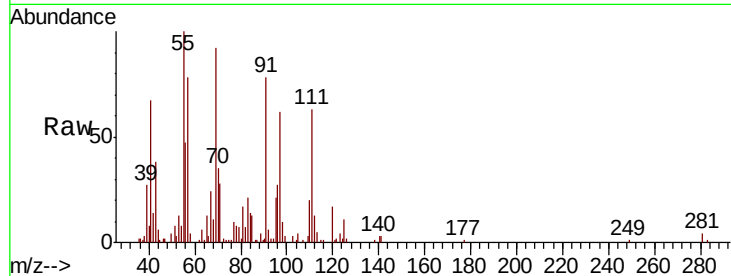
PX-3_070919ME

Tot Ion: 91 Resp: 6517

Ion Ratio Lower Upper

91 100

120 0.0 12.4 37.4#



#79

2-Chlorotoluene

Concen: 1.693 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. 0.25 min

Lab File: VX010801.D

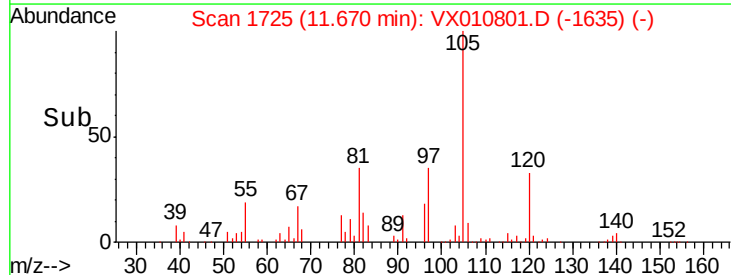
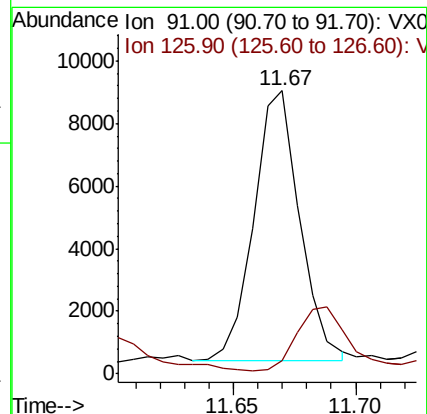
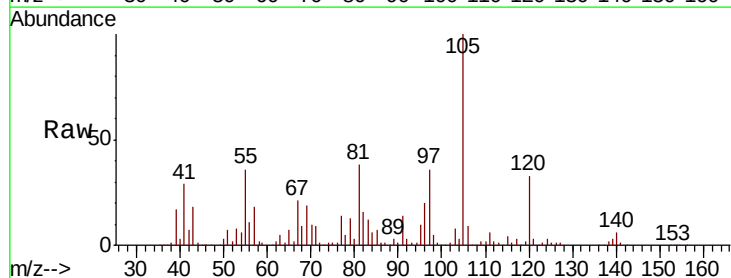
Acq: 11 Jul 2019 12:53

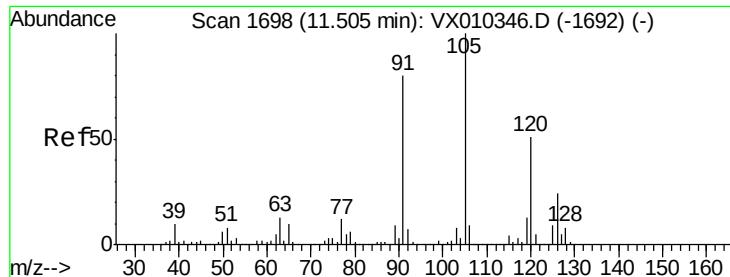
Tgt Ion: 91 Resp: 11191

Ion Ratio Lower Upper

91 100

126 22.6 18.7 56.1

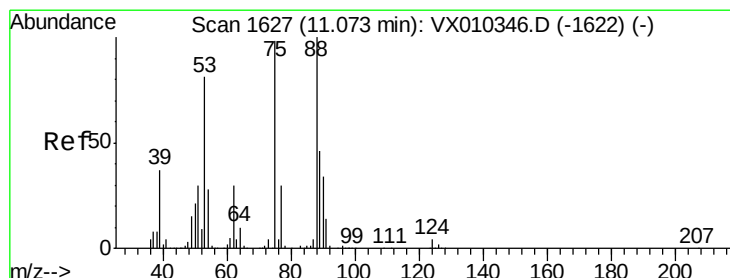
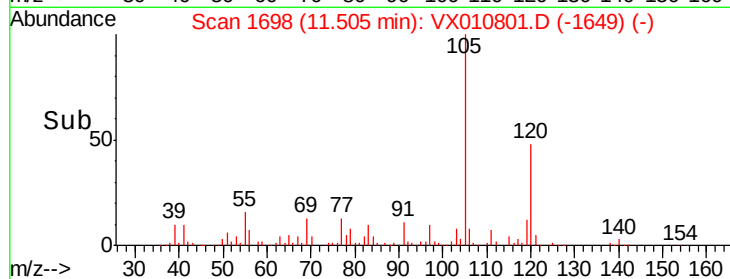
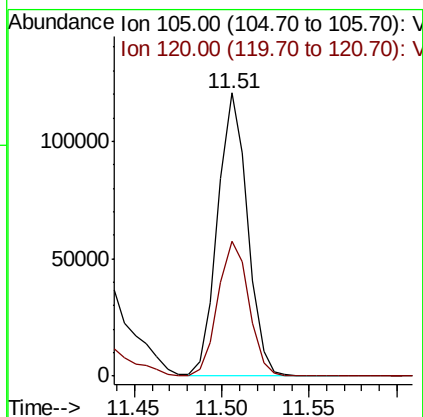
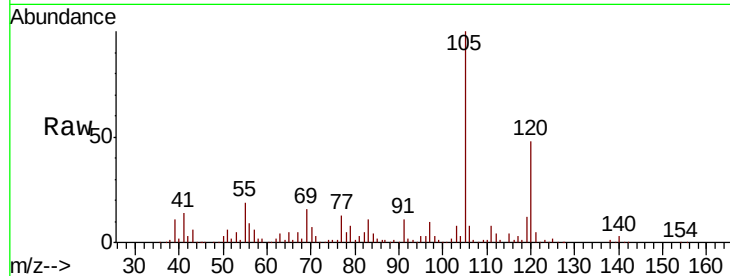




#80
 1,3,5-Trimethylbenzene
 Concen: 17.109 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

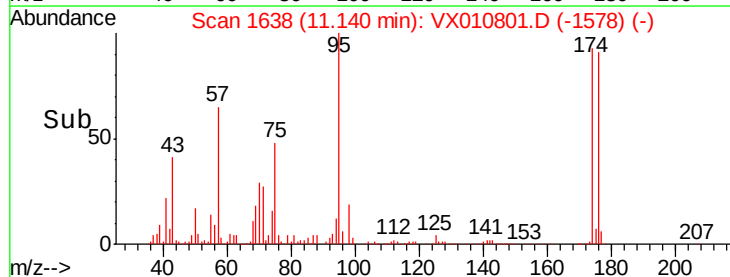
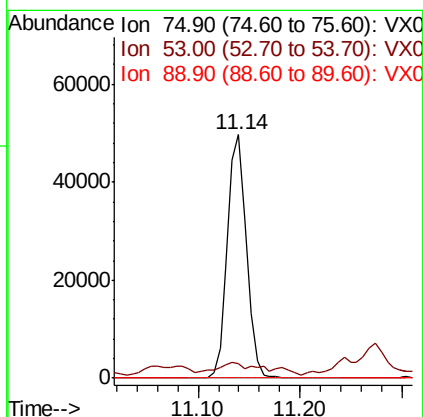
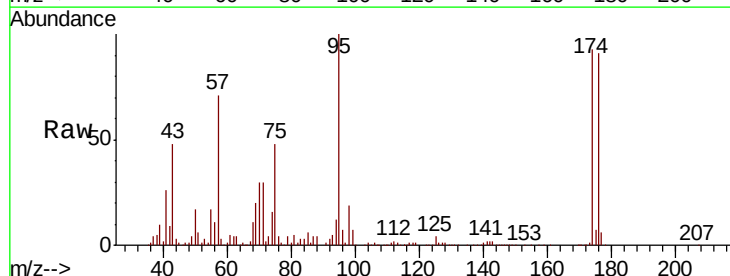
Instrument :
 MSVOA_X
 ClientSampled :
 PX-3_070919ME

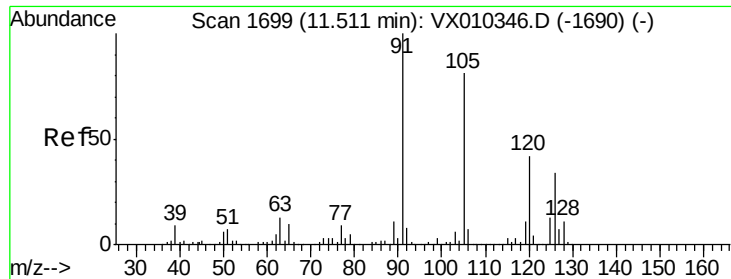
Tot Ion:105 Resp: 142437
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.281 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

Tgt Ion: 75 Resp: 64330
 Ion Ratio Lower Upper
 75 100
 53 4.0 66.1 99.1#
 89 0.0 37.8 56.6#





#82

4-Chlorotoluene

Concen: 1.502 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. 0.16 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

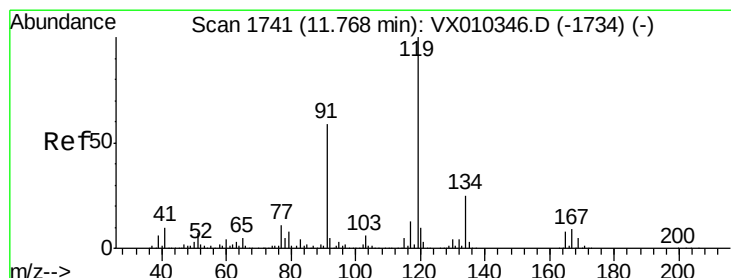
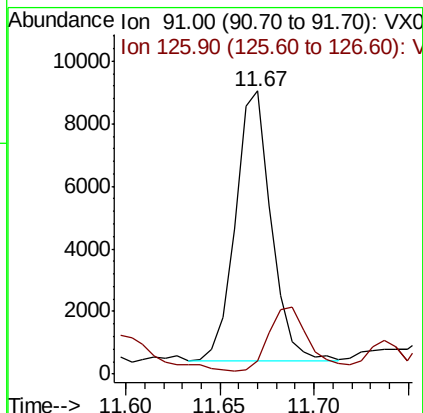
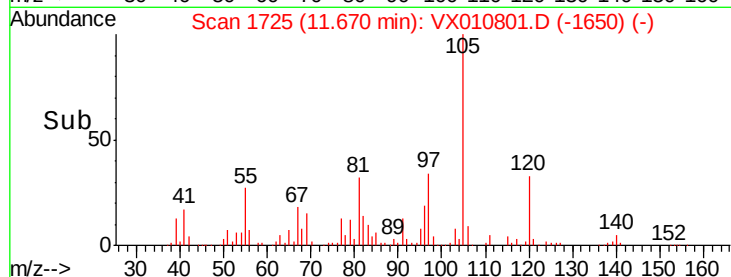
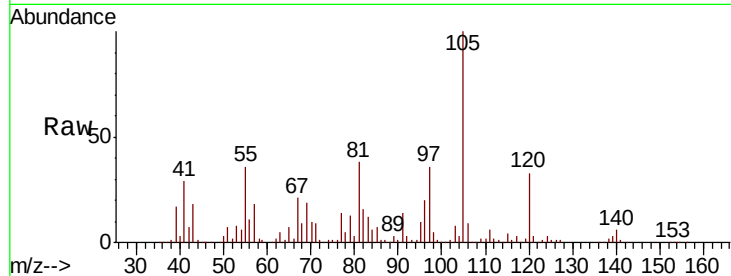
PX-3_070919ME

Tot Ion: 91 Resp: 11297

Ion Ratio Lower Upper

91 100

126 27.1 16.2 48.6



#83

tert-Butylbenzene

Concen: 2.106 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.04 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

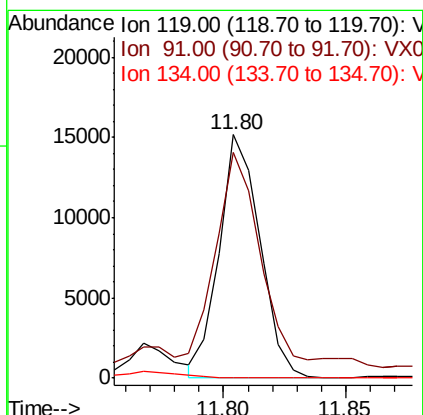
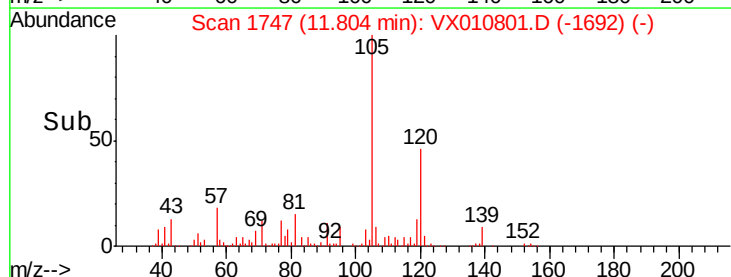
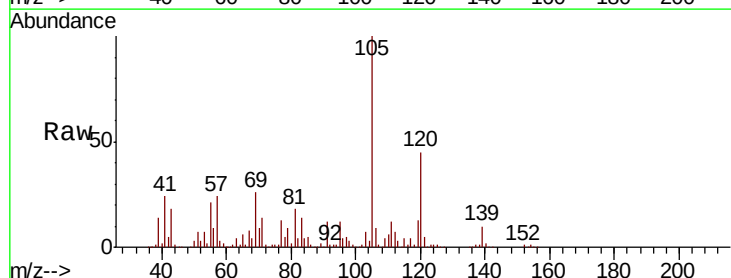
Tgt Ion: 119 Resp: 17598

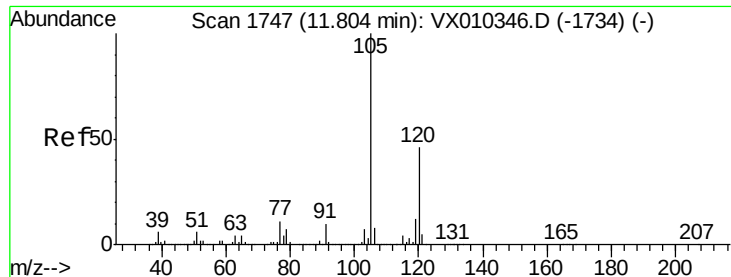
Ion Ratio Lower Upper

119 100

91 102.1 27.6 82.7#

134 0.0 11.8 35.4#





#84

1,2,4-Trimethylbenzene

Concen: 17.540 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

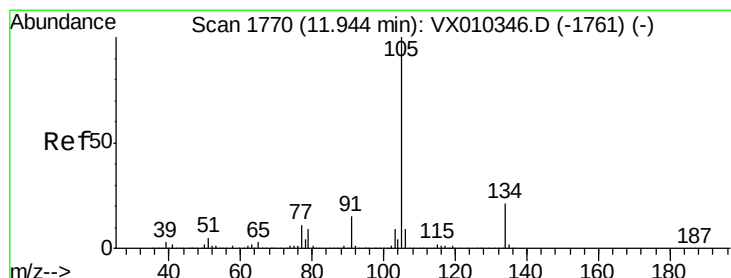
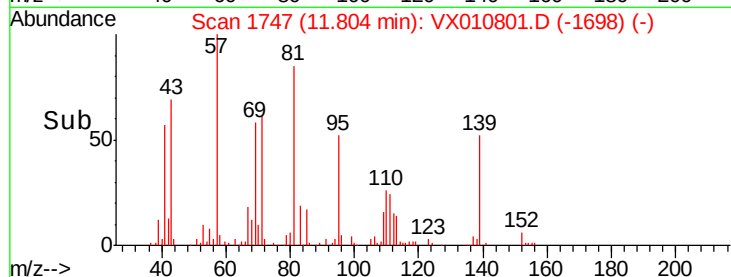
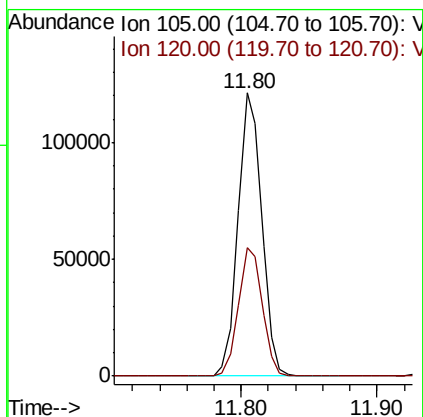
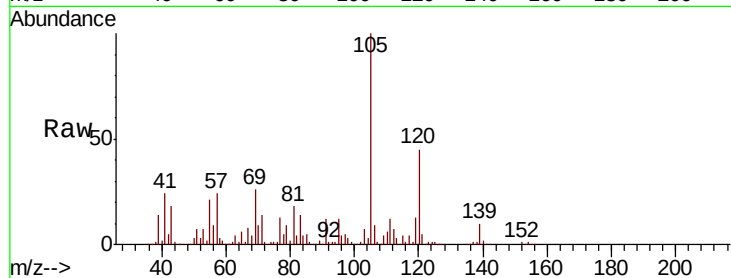
PX-3 070919ME

Tot Ion:105 Resp: 146712

Ion Ratio Lower Upper

105 100

120 46.2 23.1 69.2



#85

sec-Butylbenzene

Concen: 1.968 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010801.D

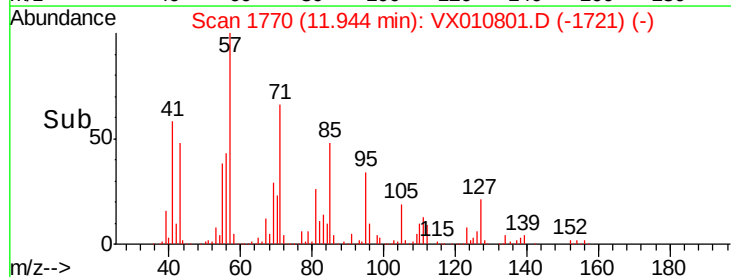
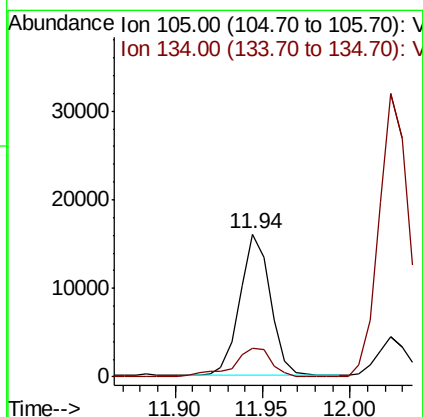
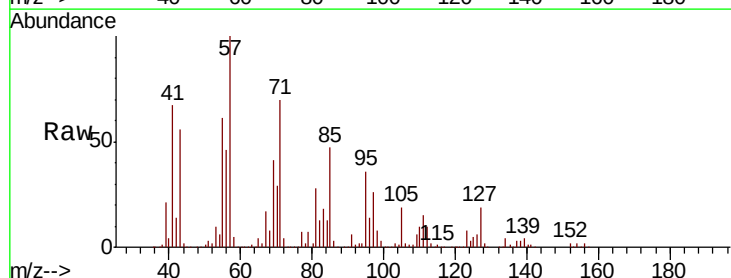
Acq: 11 Jul 2019 12:53

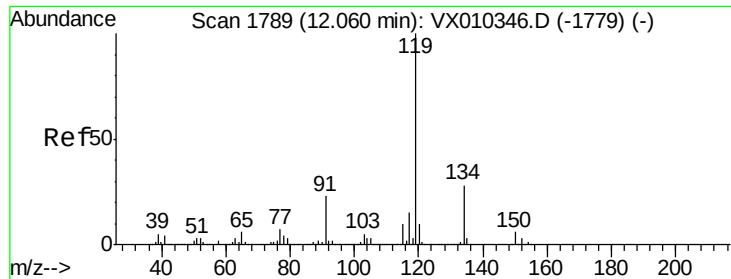
Tgt Ion:105 Resp: 19304

Ion Ratio Lower Upper

105 100

134 25.7 10.7 31.9

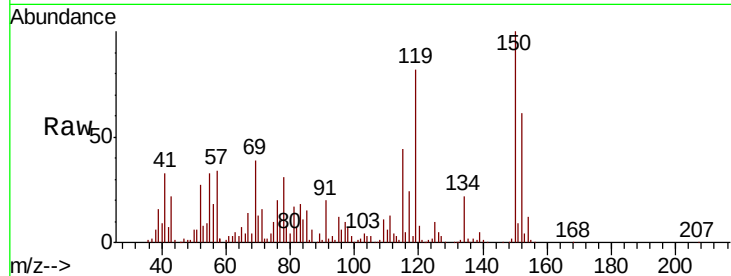




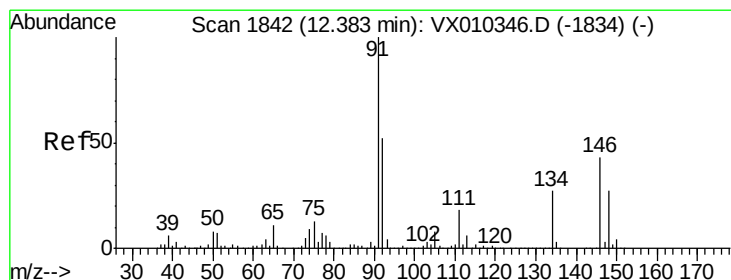
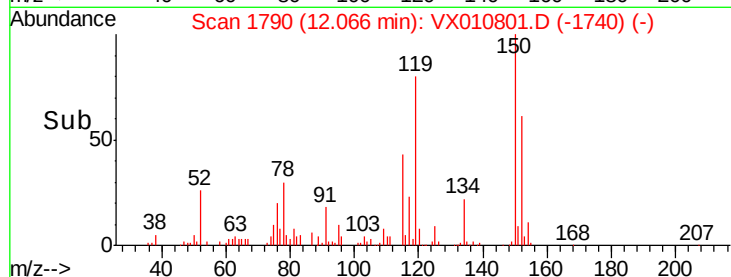
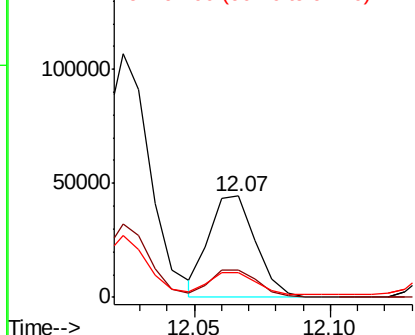
#86
p-Isopropyltoluene
Concen: 5.806 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Instrument :
MSVOA_X
ClientSampled :
PX-3 070919ME

Tot Ion: 119 Resp: 52688
Ion Ratio Lower Upper
119 100
134 27.9 13.7 41.1
91 22.7 11.3 33.8

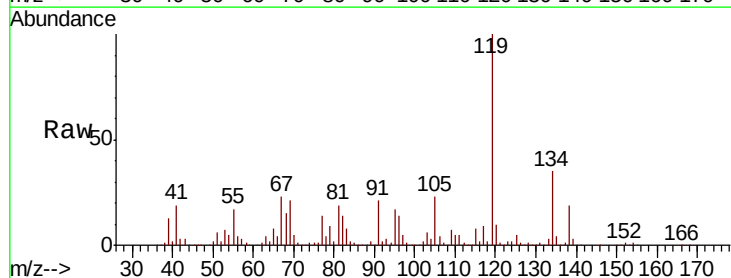


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

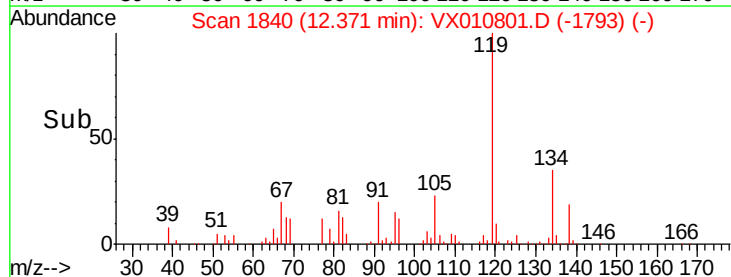
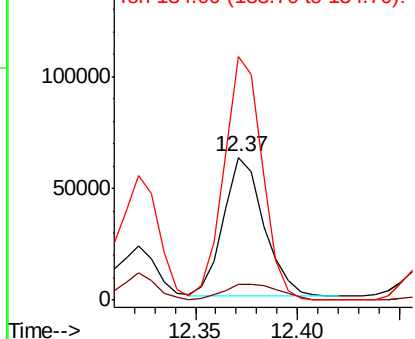


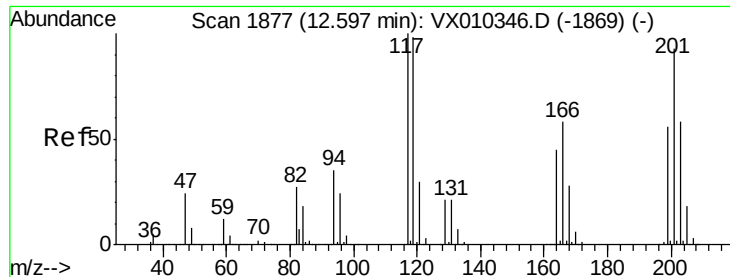
#89
n-Butylbenzene
Concen: 11.045 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX010801.D
Acq: 11 Jul 2019 12:53

Tgt Ion: 91 Resp: 85173
Ion Ratio Lower Upper
91 100
92 15.3 26.2 78.5#
134 165.7 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 13.460 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

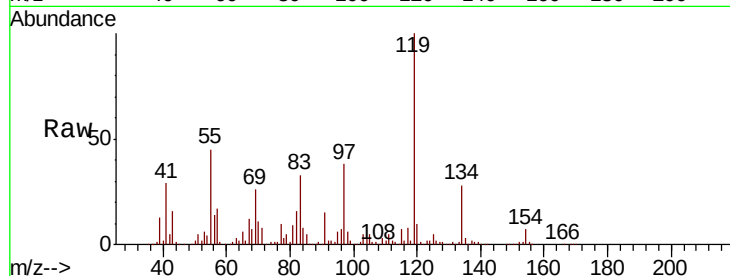
PX-3_070919ME

Tot Ion:117 Resp: 21122

Ion Ratio Lower Upper

117 100

201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

20000

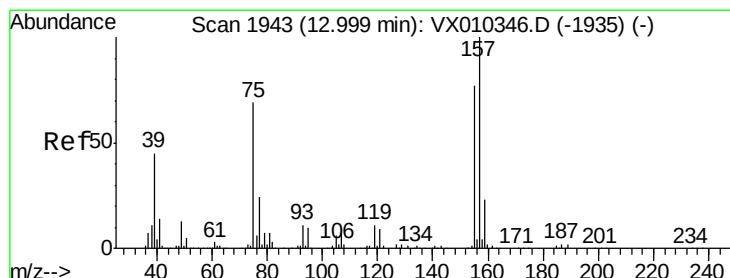
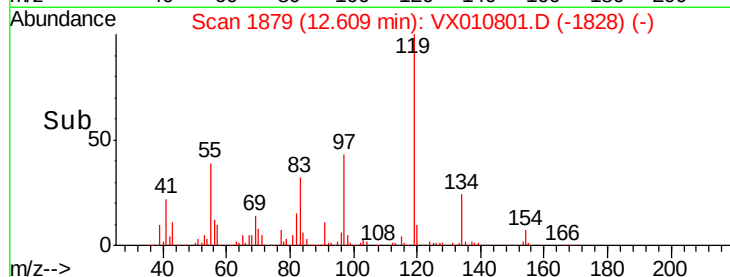
15000

10000

5000

0

Time--> 12.58 12.60 12.62 12.64



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.887 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

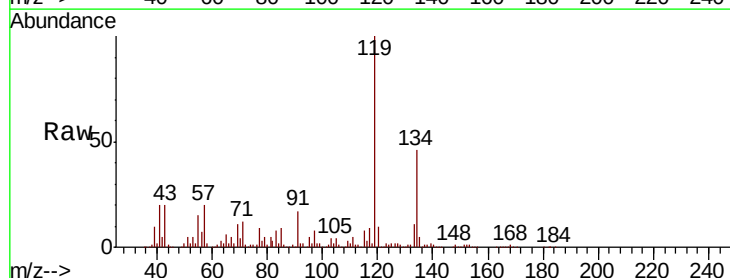
Tgt Ion: 75 Resp: 3524

Ion Ratio Lower Upper

75 100

155 192.1 54.4 163.1#

157 1.3 69.5 208.3#



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

8000

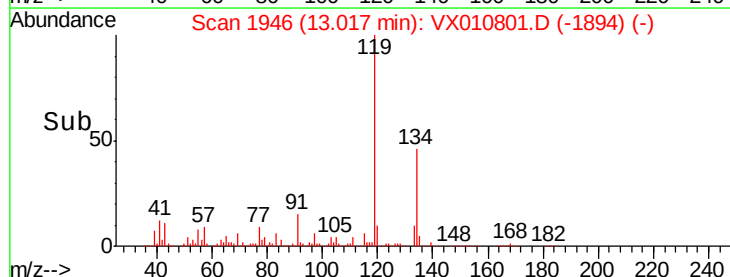
6000

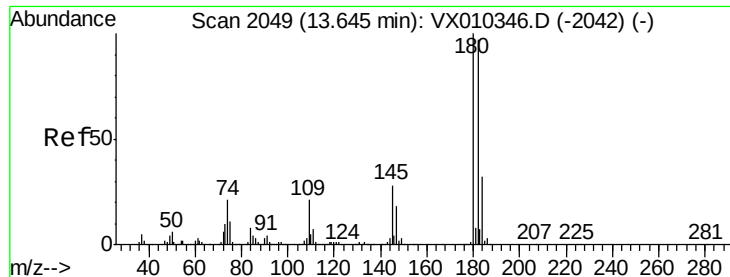
4000

2000

0

Time--> 13.00 13.05

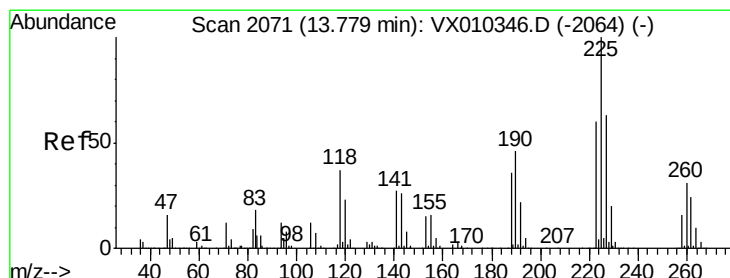
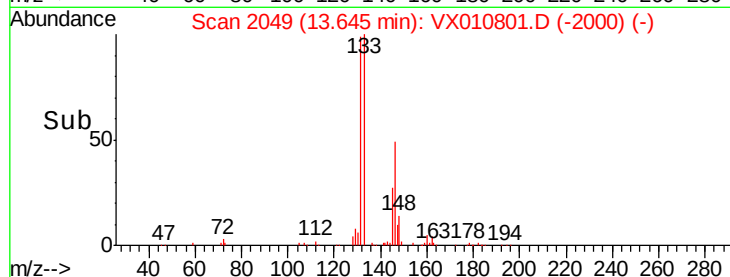
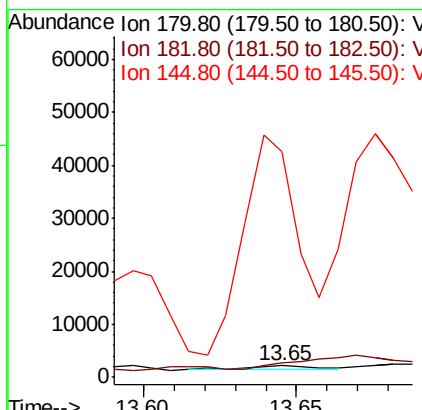
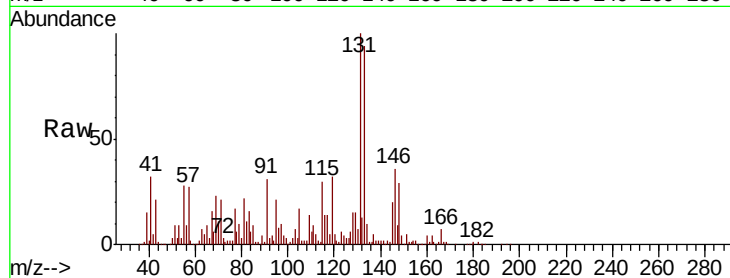




#93
 1,2,4-Trichlorobenzene
 Concen: 0.414 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

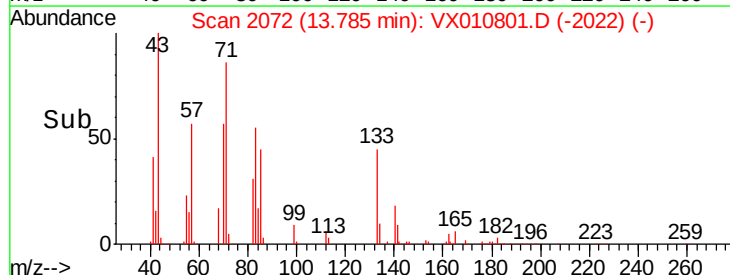
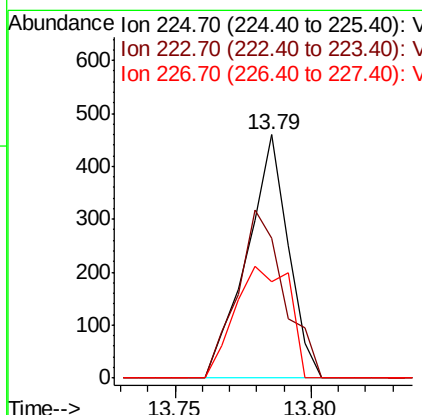
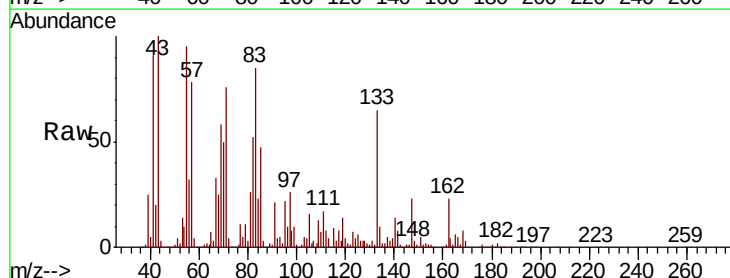
Instrument :
 MSVOA_X
 ClientSampleId :
 PX-3_070919ME

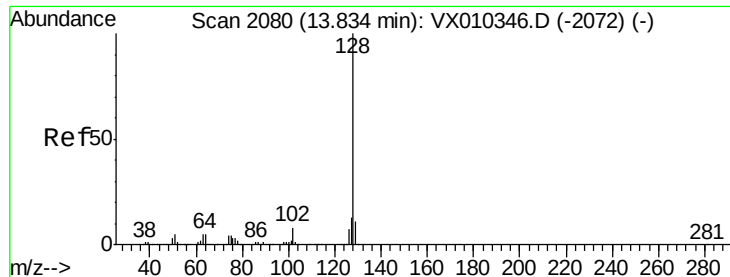
Tot Ion:180 Resp: 1404
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.0 144.0#
 145 3691.9 14.4 43.4#



#94
 Hexachlorobutadiene
 Concen: 0.293 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX010801.D
 Acq: 11 Jul 2019 12:53

Tgt Ion:225 Resp: 485
 Ion Ratio Lower Upper
 225 100
 223 77.9 30.9 92.7
 227 60.4 31.9 95.5





#95

Naphthalene

Concen: 0.946 ug/l

RT: 13.81 min Scan# 2076

Delta R.T. -0.02 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

PX-3 070919ME

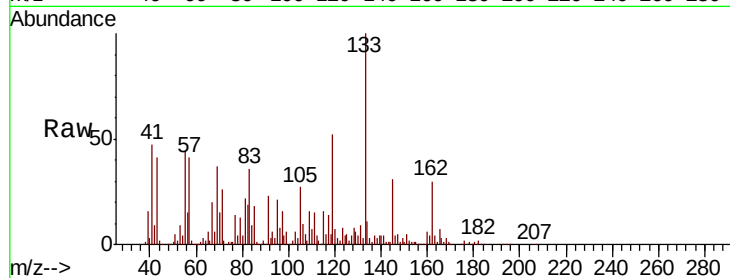
Tot Ion:128 Resp: 9862

Ion Ratio Lower Upper

128 100

127 73.5 10.2 15.4#

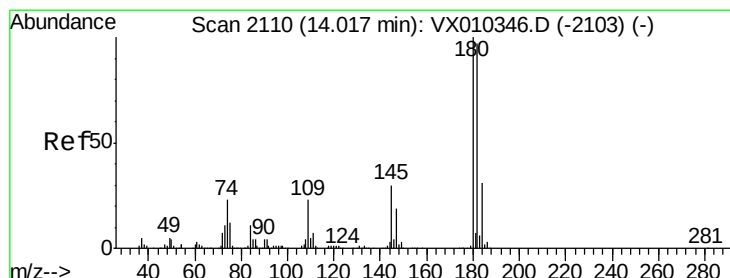
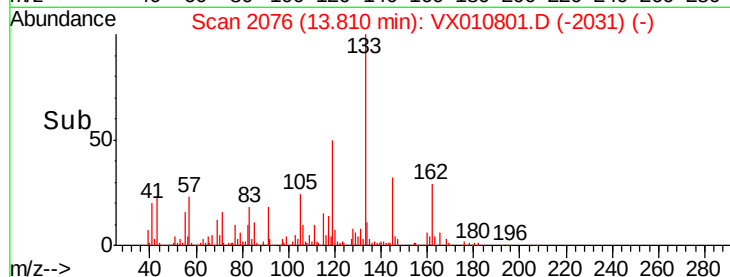
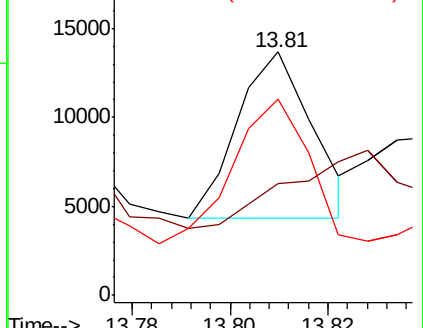
129 89.1 8.9 13.3#



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



#96

1,2,3-Trichlorobenzene

Concen: 4.274 ug/l

RT: 14.04 min Scan# 2113

Delta R.T. 0.02 min

Lab File: VX010801.D

Acq: 11 Jul 2019 12:53

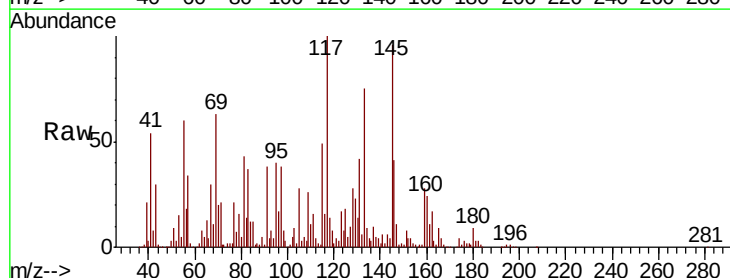
Tgt Ion:180 Resp: 14417

Ion Ratio Lower Upper

180 100

182 23.0 47.8 143.3#

145 1104.5 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

