

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007488.D
 Acq On : 12 Feb 2019 15:03
 Operator : JC/SP
 Sample : K1433-12DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0503-190207DL

Quant Time: Feb 13 00:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	473822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	739162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	681443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	356475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	253783	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	5.50	113	236000	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	8.71	98	877449	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.13	95	317214	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	237	0.218	ug/l #	1
3) Chloromethane	1.32	50	1680	0.315	ug/l	98
11) Tert butyl alcohol	3.10	59	15913	15.289	ug/l #	73
13) Acrolein	2.28	56	239	0.490	ug/l #	14
15) Acrylonitrile	3.20	53	7296	2.834	ug/l #	28
16) Acetone	2.46	43	2418	1.050	ug/l #	71
17) Carbon Disulfide	2.56	76	1865	2.272	ug/l #	88
18) Methyl Acetate	2.78	43	1135	0.780	ug/l #	77
19) Methyl tert-butyl Ether	3.21	73	481280	32.837	ug/l	98
29) Tetrahydrofuran	5.18	42	2175	1.055	ug/l #	70
31) Cyclohexane	5.57	56	37973	5.430	ug/l	95
36) 1,1-Dichloropropene	5.67	75	30854	4.652	ug/l #	50
38) Carbon Tetrachloride	5.66	117	42582	6.618	ug/l #	16
39) Methylcyclohexane	7.46	83	20187	2.516	ug/l	90
40) Benzene	6.14	78	658998	33.732	ug/l	98
42) 1,2-Dichloroethane	6.15	62	5126	0.758	ug/l	95
43) Isopropyl Acetate	6.45	43	8411	0.813	ug/l #	28
48) Methyl methacrylate	7.73	41	2177	0.421	ug/l #	15
49) 1,4-Dioxane	7.74	88	268	9.140	ug/l #	10
51) 4-Methyl-2-Pentanone	8.65	43	3588	0.527	ug/l #	83
52) Toluene	8.78	92	12292	0.975	ug/l	98
59) 2-Hexanone	9.51	43	2876	0.543	ug/l	96
67) Ethyl Benzene	10.25	91	2328582	97.239	ug/l	99
68) m/p-Xylenes	10.36	106	67413	7.082	ug/l	96
69) o-Xylene	10.69	106	74931	8.180	ug/l	97
70) Styrene	10.70	104	6728	0.453	ug/l #	1
73) Isopropylbenzene	11.02	105	285437	11.783	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.32	83	1929	0.261	ug/l #	26
76) 1,2,3-Trichloropropane	11.13	75	152935	22.056	ug/l #	32
78) n-propylbenzene	11.36	91	341769	12.866	ug/l	99
79) 2-Chlorotoluene	11.36	91	341769	21.204	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	32543	1.642	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.13	75	152935	66.637	ug/l #	9
82) 4-Chlorotoluene	11.66	91	56752	3.043	ug/l #	42

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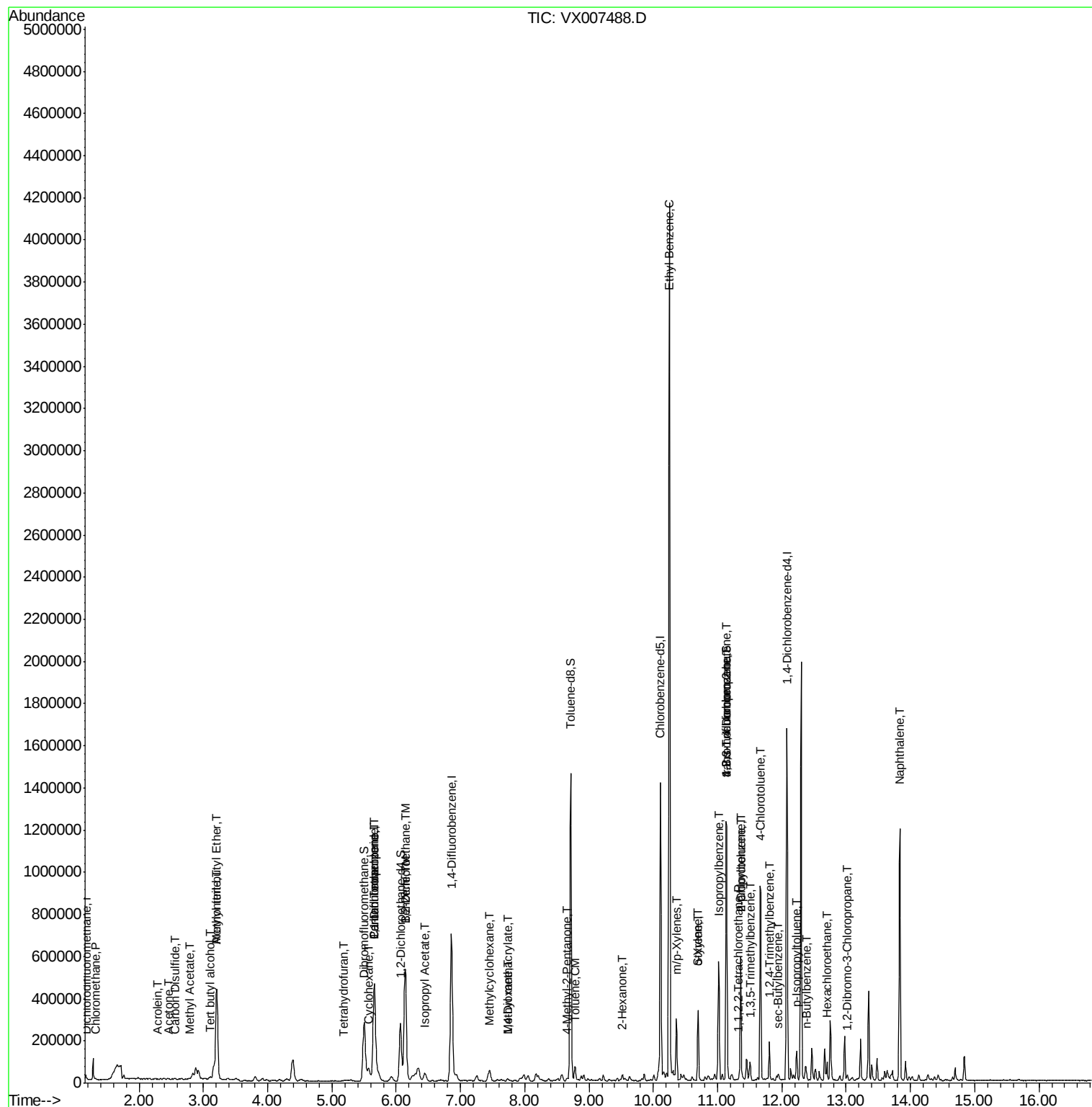
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.80	105	78856	3.919	ug/l	99
85) sec-Butylbenzene	11.94	105	13591	0.572	ug/l	100
86) p-Isopropyltoluene	12.23	119	60531	2.824	ug/l	98
89) n-Butylbenzene	12.39	91	14411	0.781	ug/l #	52
90) Hexachloroethane	12.70	117	27774	8.657	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.01	75	500	0.326	ug/l #	11
95) Naphthalene	13.83	128	747874	31.108	ug/l	100

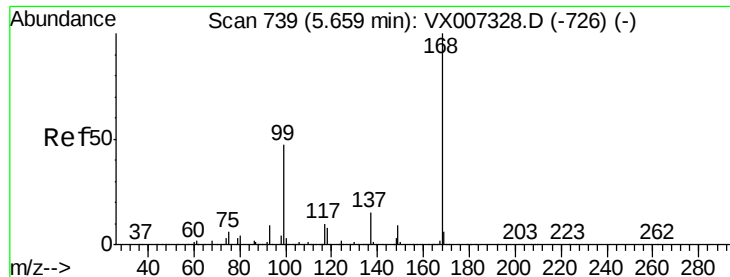
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

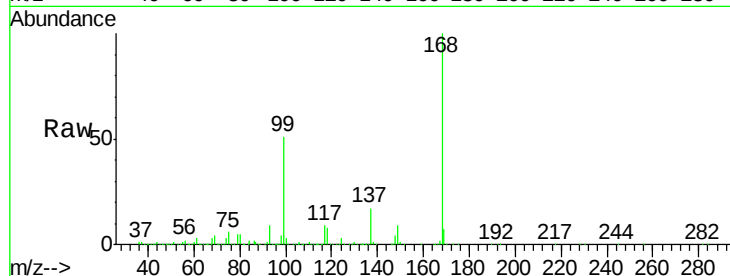
DUP-0503-190207DL

Tot Ion:168 Resp: 473822

Ion Ratio Lower Upper

168 100

99 51.5 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

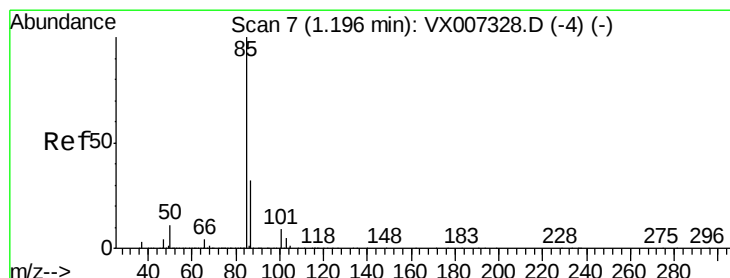
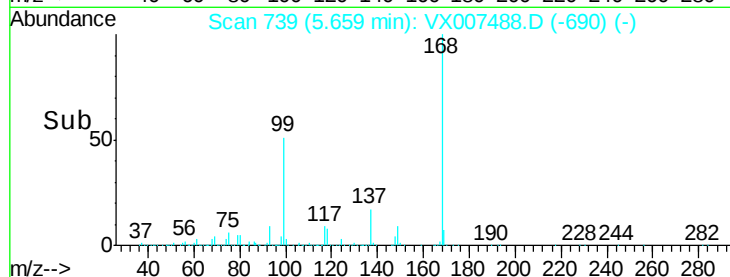
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.218 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.01 min

Lab File: VX007488.D

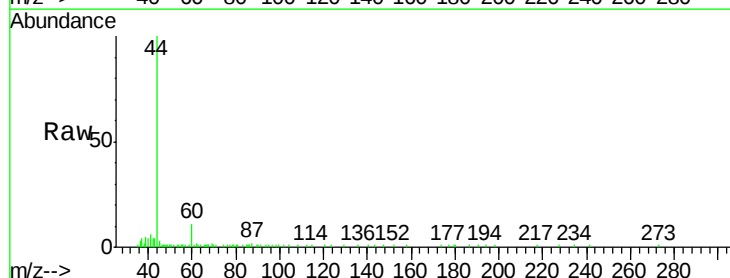
Acq: 12 Feb 2019 15:03

Tgt Ion: 85 Resp: 237

Ion Ratio Lower Upper

85 100

87 126.2 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200

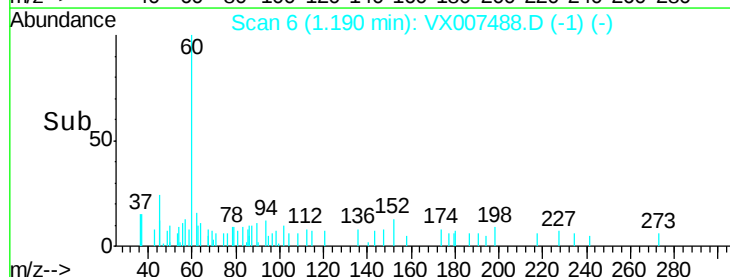
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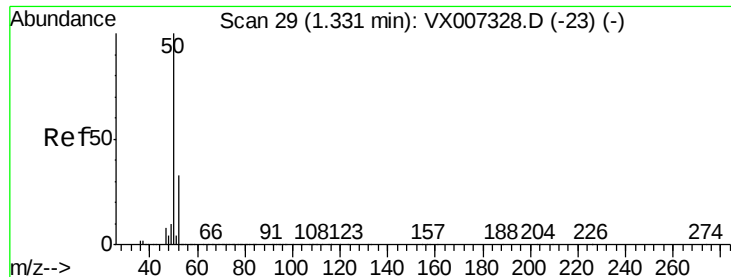
100

50

0

Time-->





#3

Chloromethane

Concen: 0.315 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

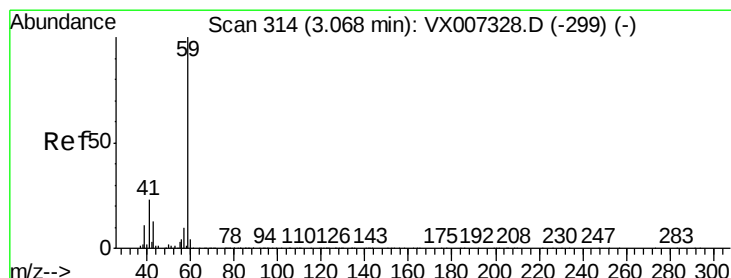
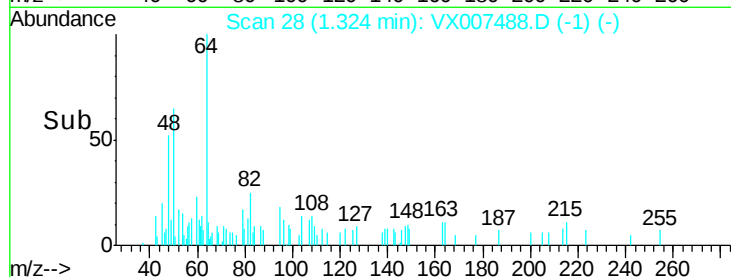
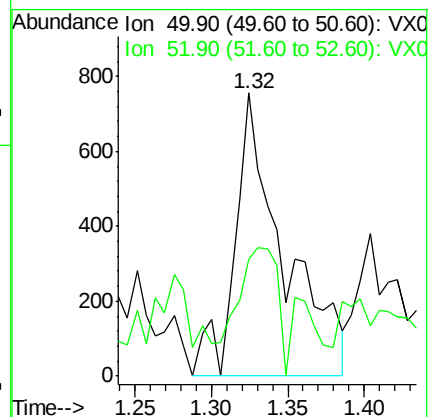
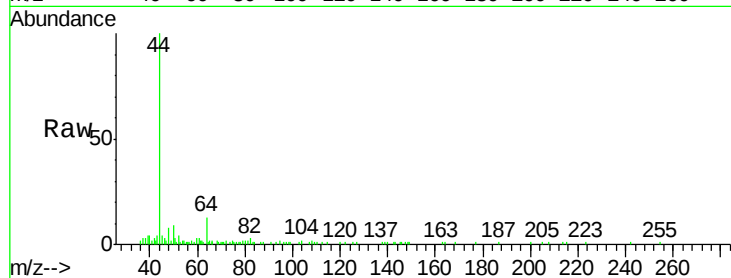
DUP-0503-190207DL

Tot Ion: 50 Resp: 1680

Ion Ratio Lower Upper

50 100

52 31.2 26.1 39.1



#11

Tert butyl alcohol

Concen: 15.289 ug/l

RT: 3.10 min Scan# 319

Delta R.T. 0.03 min

Lab File: VX007488.D

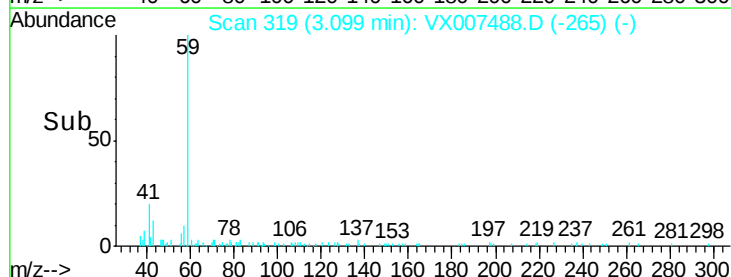
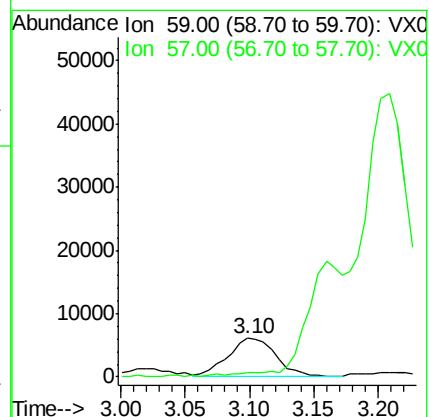
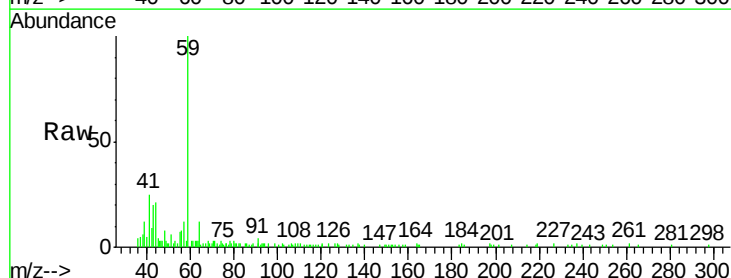
Acq: 12 Feb 2019 15:03

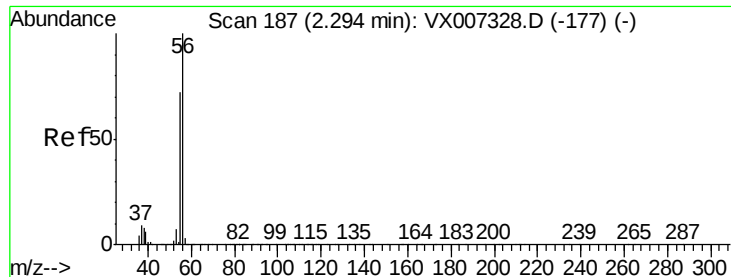
Tgt Ion: 59 Resp: 15913

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#13

Acrolein

Concen: 0.490 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

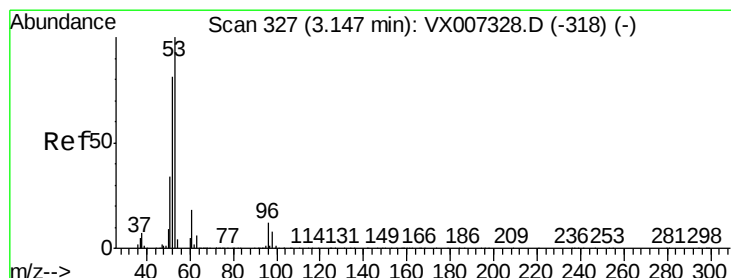
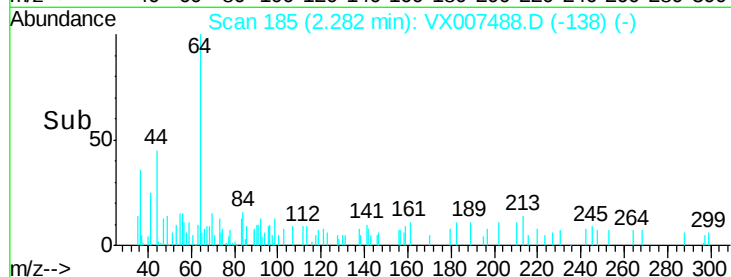
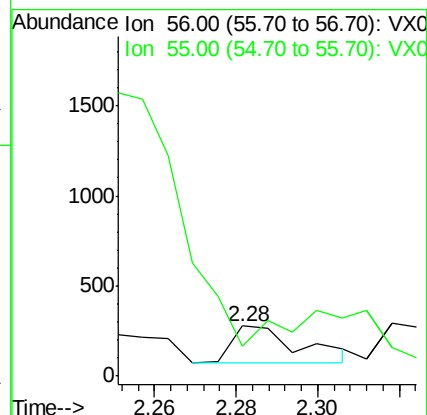
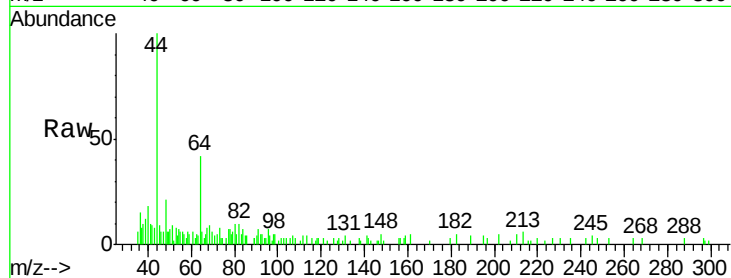
DUP-0503-190207DL

Tot Ion: 56 Resp: 239

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#15

Acrylonitrile

Concen: 2.834 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.05 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

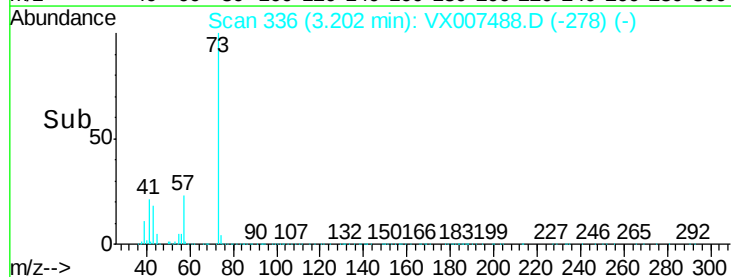
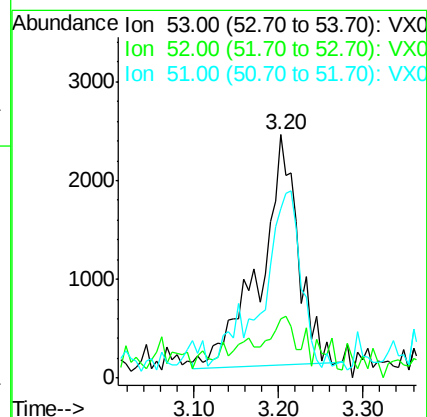
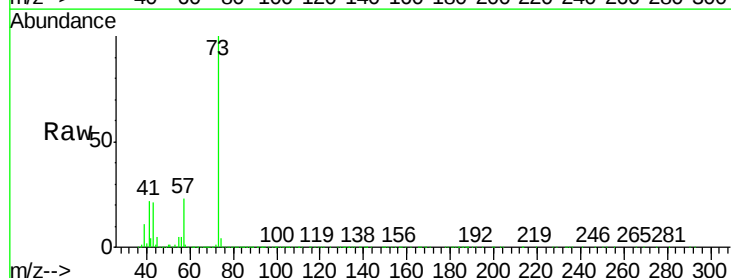
Tgt Ion: 53 Resp: 7296

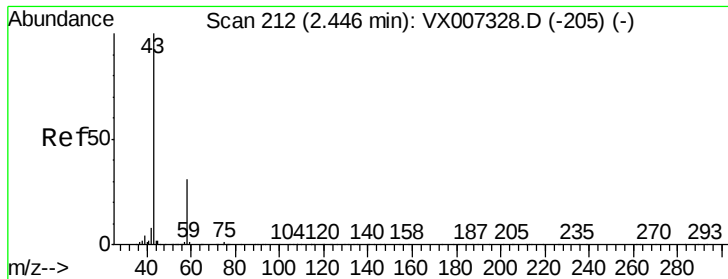
Ion Ratio Lower Upper

53 100

52 6.9 66.4 99.6#

51 59.9 28.4 42.6#





#16

Acetone

Concen: 1.050 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

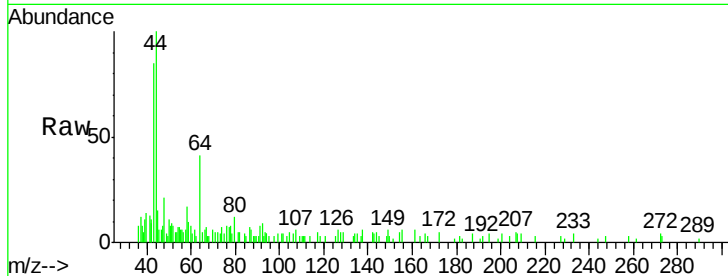
DUP-0503-190207DL

Tot Ion: 43 Resp: 2418

Ion Ratio Lower Upper

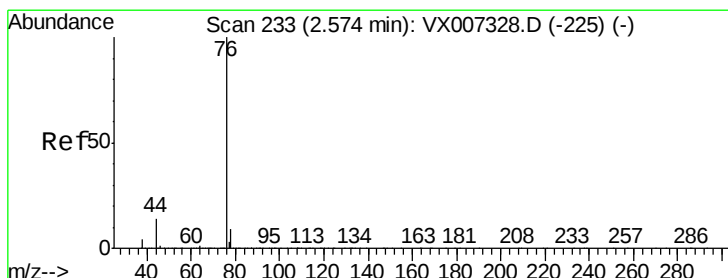
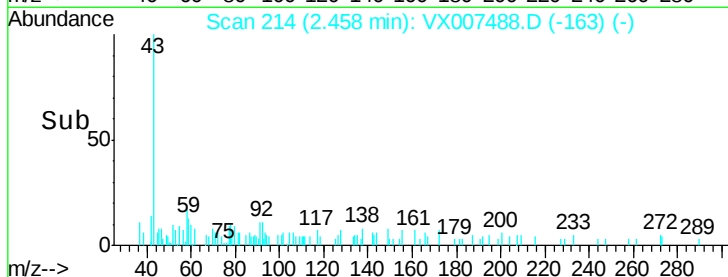
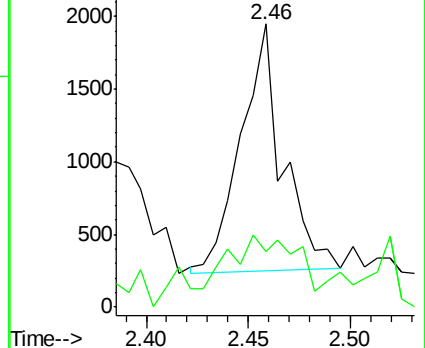
43 100

58 15.2 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 2.272 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX007488.D

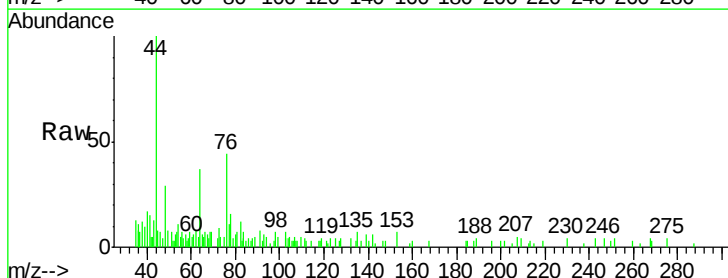
Acq: 12 Feb 2019 15:03

Tgt Ion: 76 Resp: 1865

Ion Ratio Lower Upper

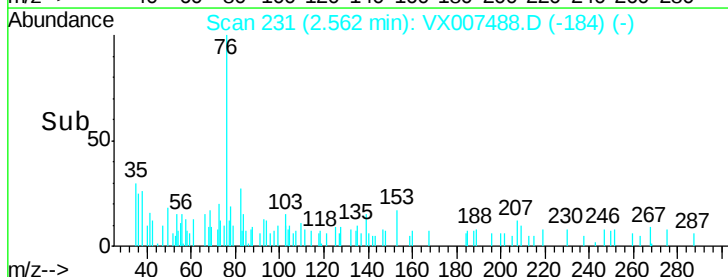
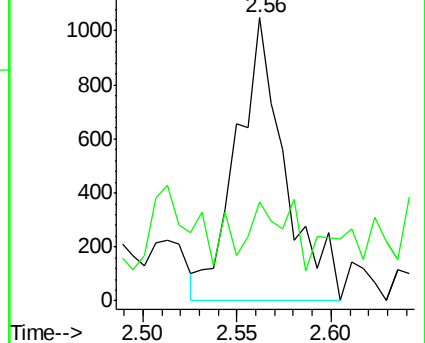
76 100

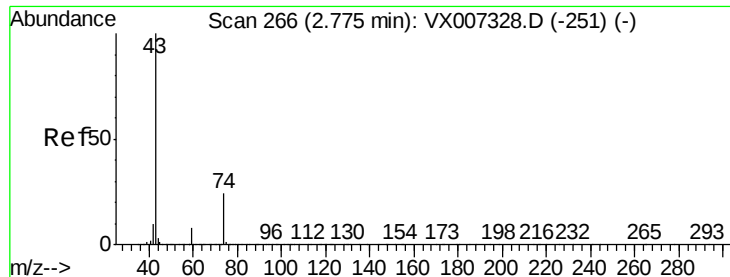
78 13.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

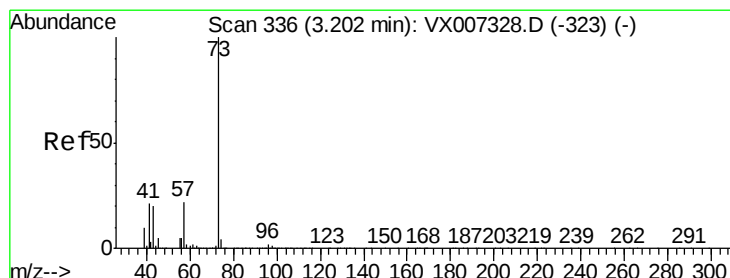
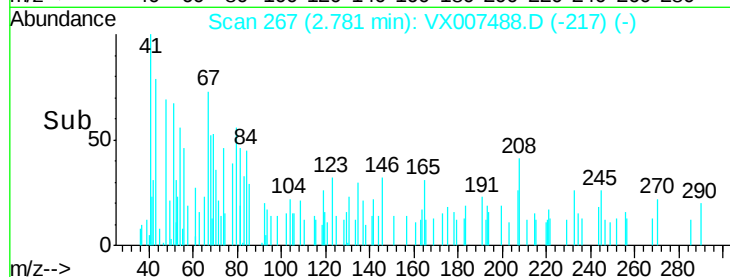
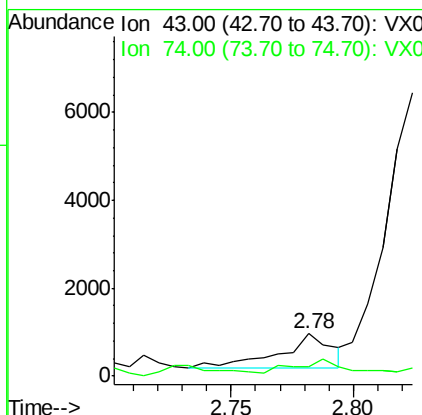
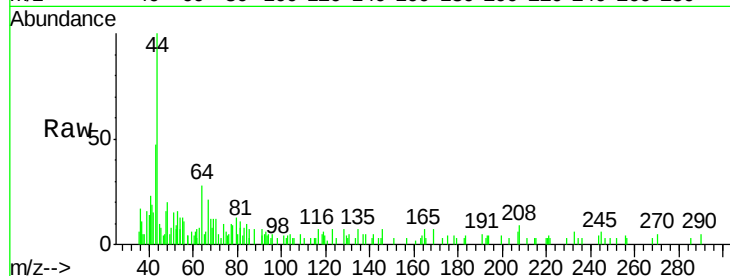




#18
Methyl Acetate
Concen: 0.780 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

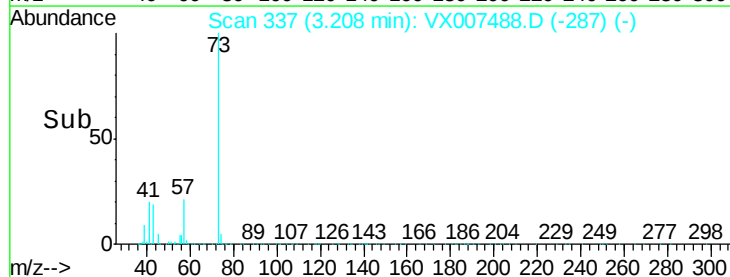
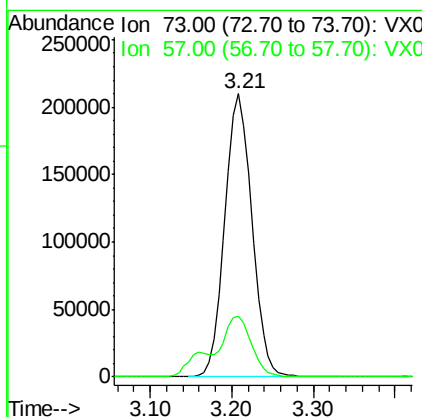
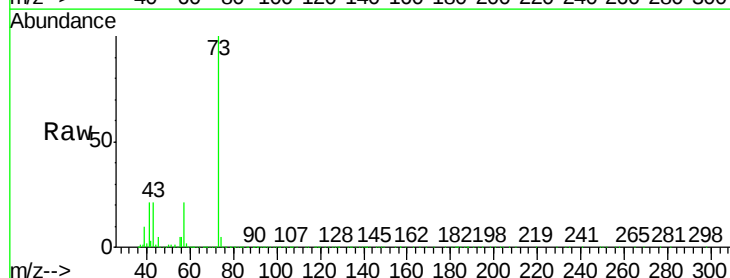
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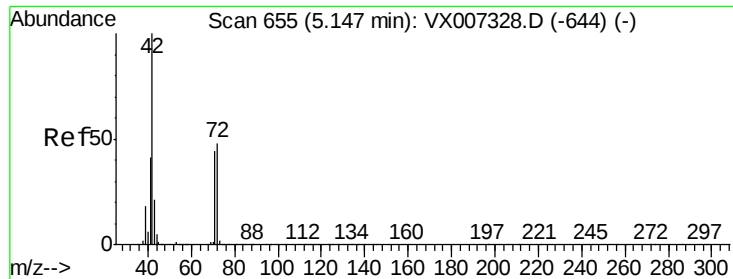
Tot Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
74 35.9 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 32.837 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

Tgt Ion: 73 Resp: 481280
Ion Ratio Lower Upper
73 100
57 21.3 17.8 26.8

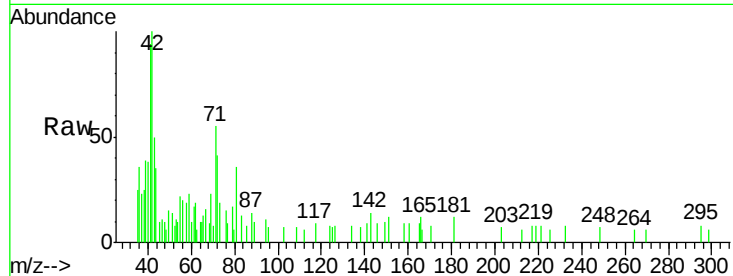




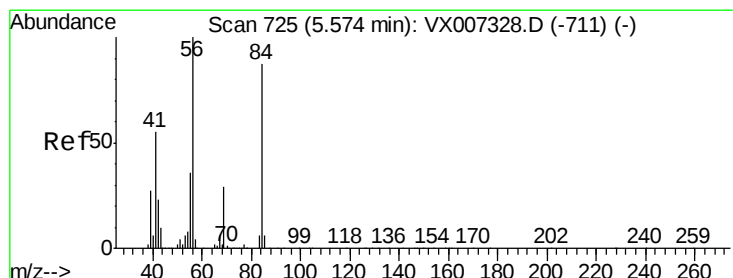
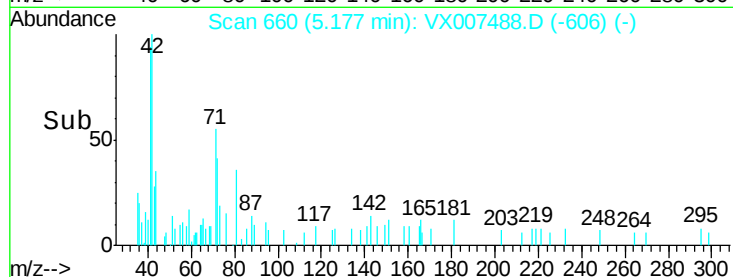
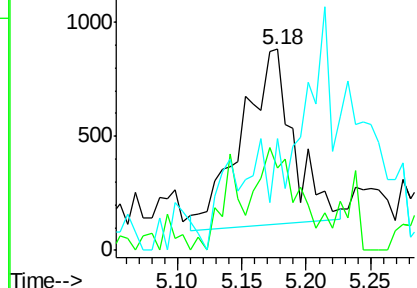
#29
Tetrahydrofuran
Concen: 1.055 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.03 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
DUP-0503-190207DL

Tot Ion: 42 Resp: 2175
Ion Ratio Lower Upper
42 100
72 43.3 37.6 56.4
71 6.8 34.6 51.8#

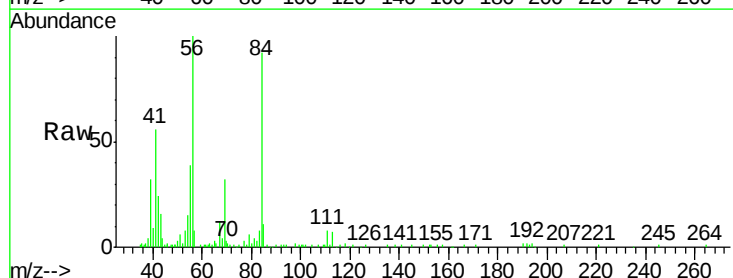


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

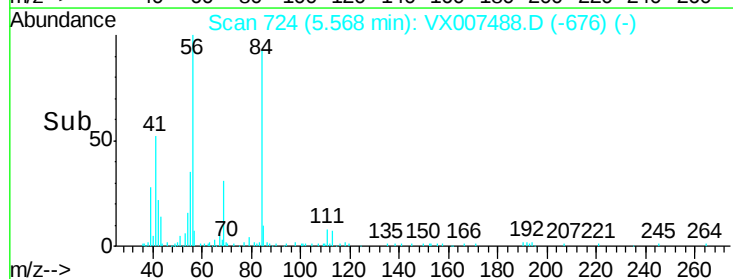
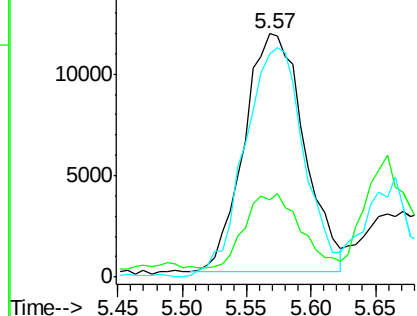


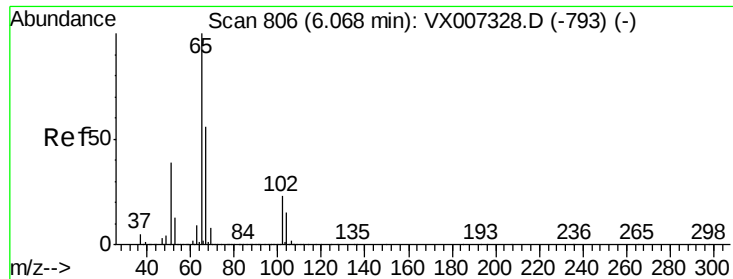
#31
Cyclohexane
Concen: 5.430 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

Tgt Ion: 56 Resp: 37973
Ion Ratio Lower Upper
56 100
69 28.1 23.0 34.6
84 93.0 69.8 104.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

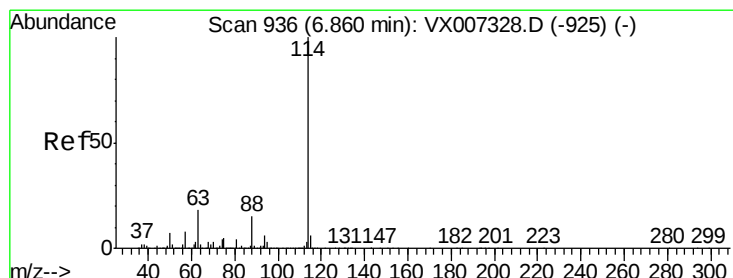
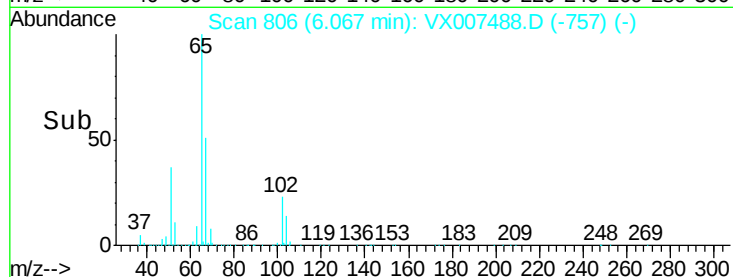
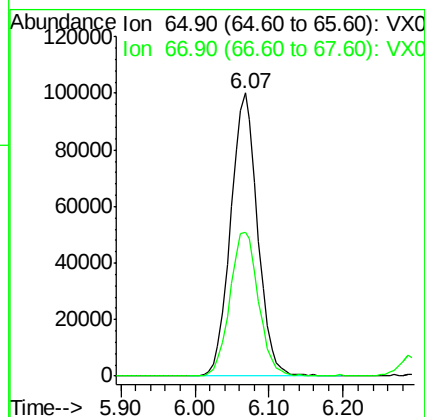
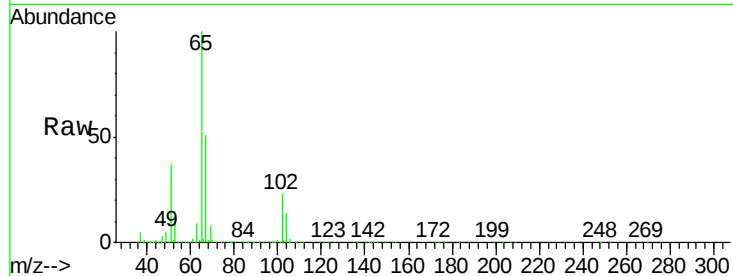




#33
 1,2-Dichloroethane-d4
 Concen: 50.461 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007488.D
 Acq: 12 Feb 2019 15:03

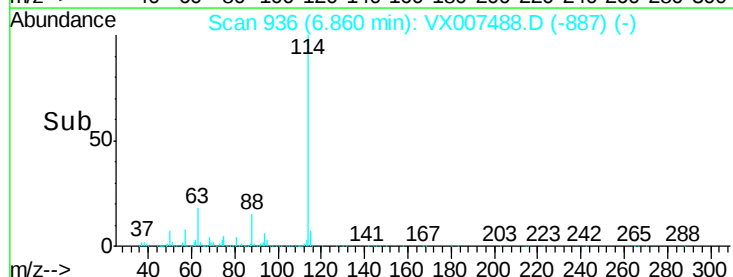
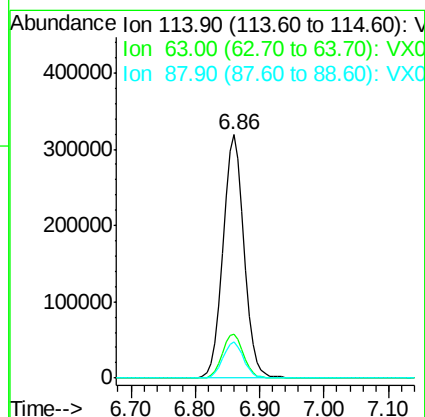
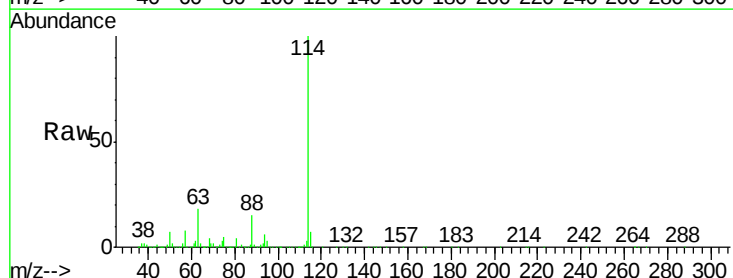
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0503-190207DL

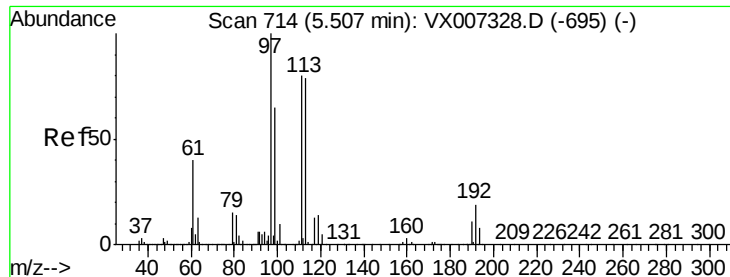
Tot Ion: 65 Resp: 253783
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007488.D
 Acq: 12 Feb 2019 15:03

Tgt Ion: 114 Resp: 739162
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.6
 88 14.9 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.070 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0503-190207DL

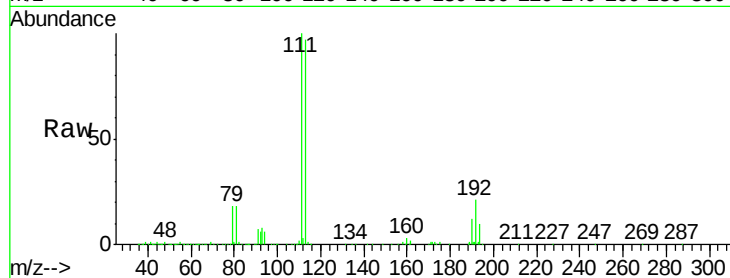
Tot Ion:113 Resp: 236000

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

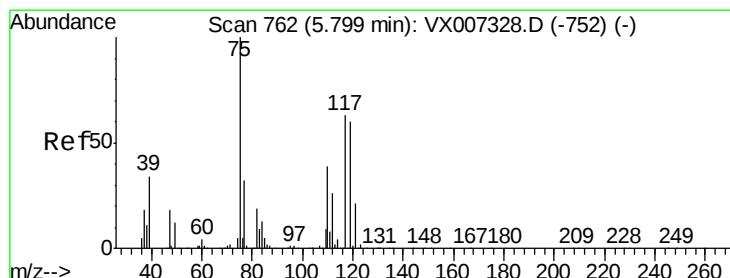
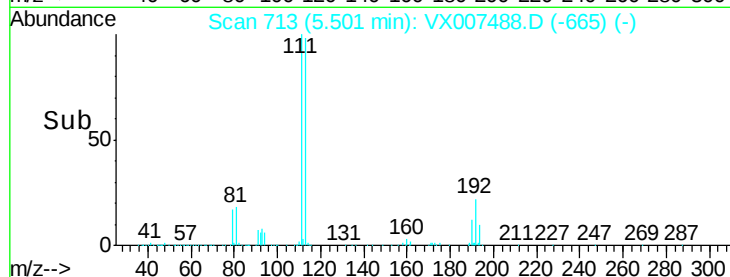
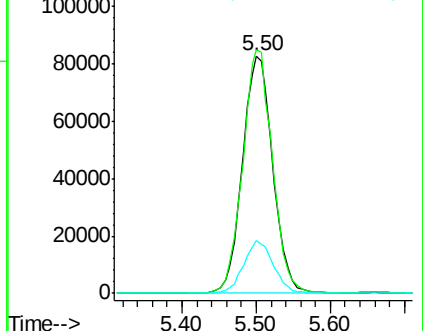
192 21.9 18.5 27.7



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: 4.652 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

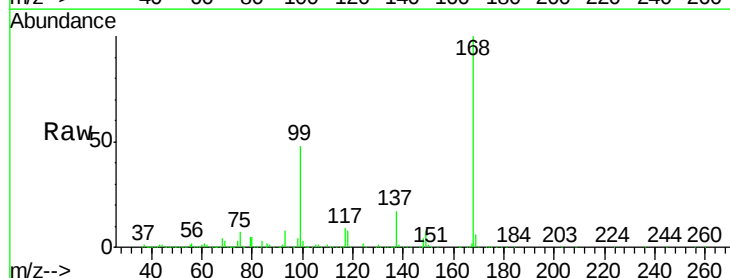
Tgt Ion: 75 Resp: 30854

Ion Ratio Lower Upper

75 100

110 11.5 20.0 59.9#

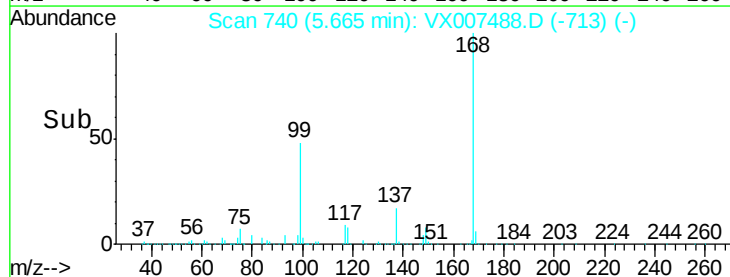
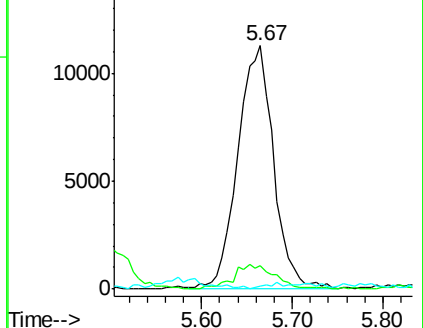
77 0.0 24.7 37.1#

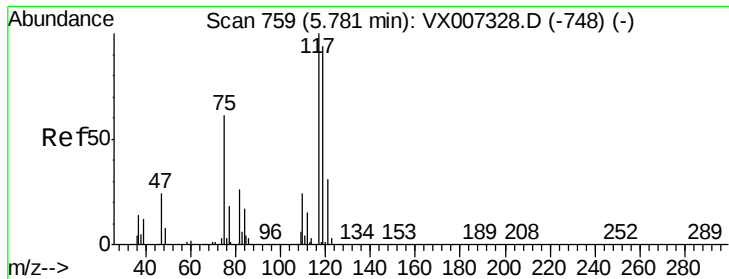


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.618 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0503-190207DL

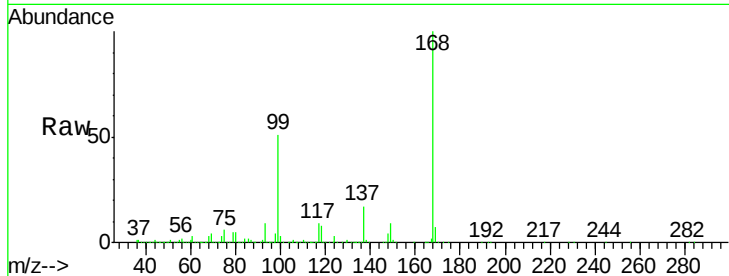
Tot Ion:117 Resp: 42582

Ion Ratio Lower Upper

117 100

119 3.7 75.3 112.9#

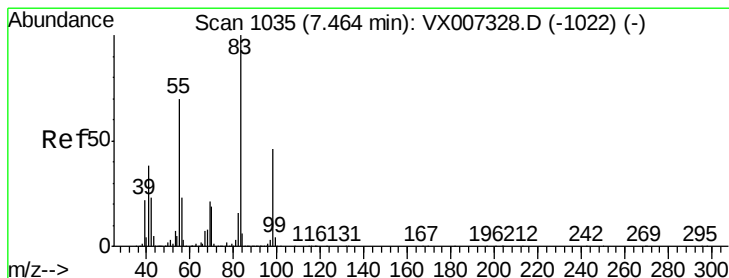
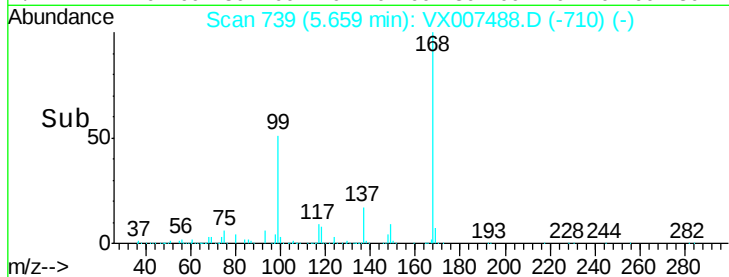
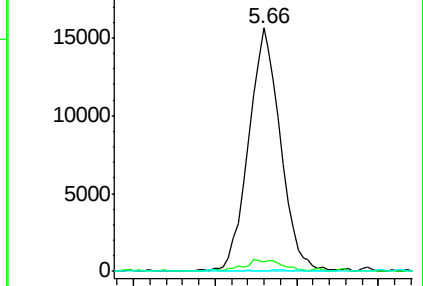
121 0.0 25.0 37.4#



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: 2.516 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

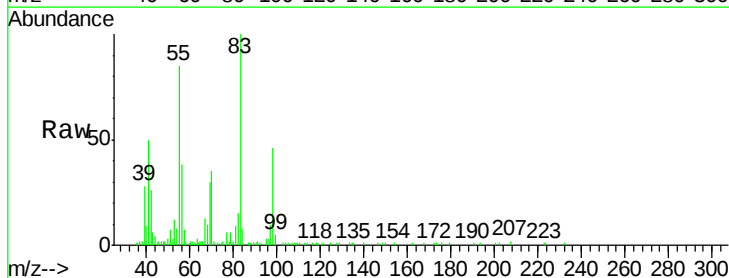
Tgt Ion: 83 Resp: 20187

Ion Ratio Lower Upper

83 100

55 84.2 56.2 84.2

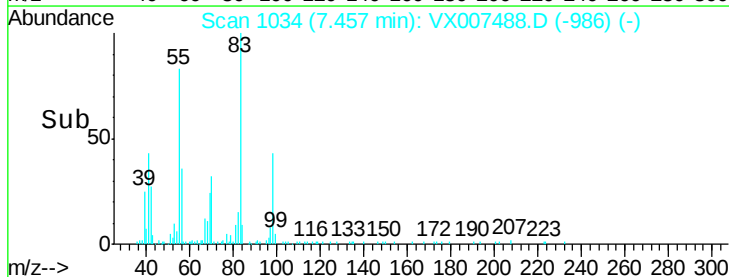
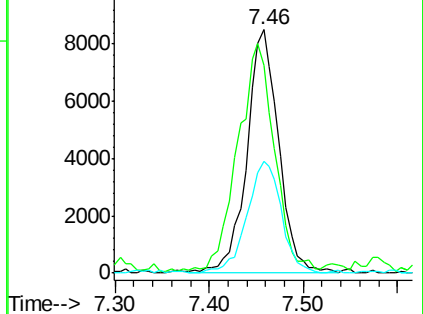
98 45.8 36.8 55.2

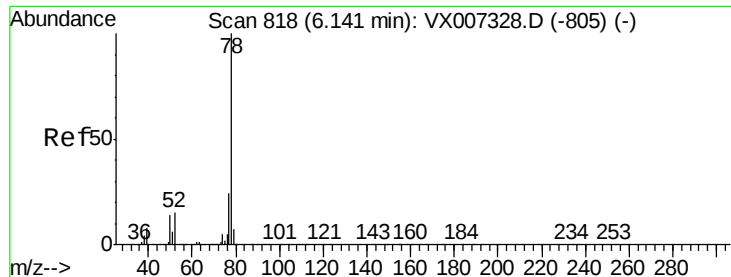


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 33.732 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

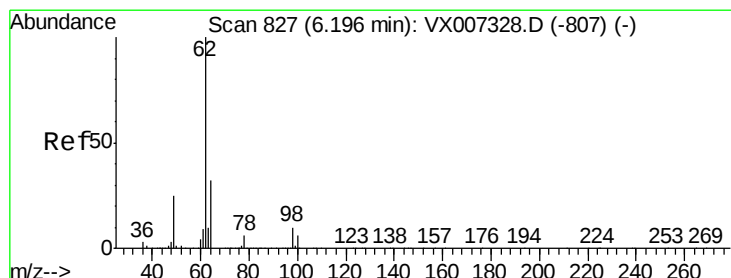
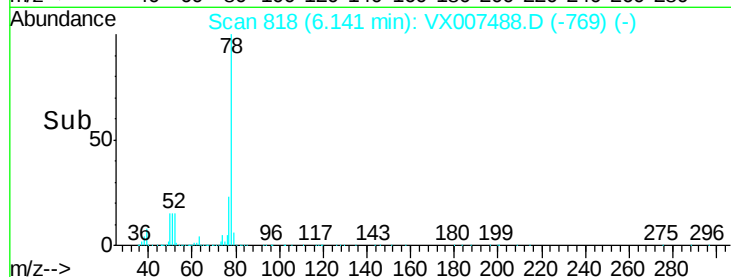
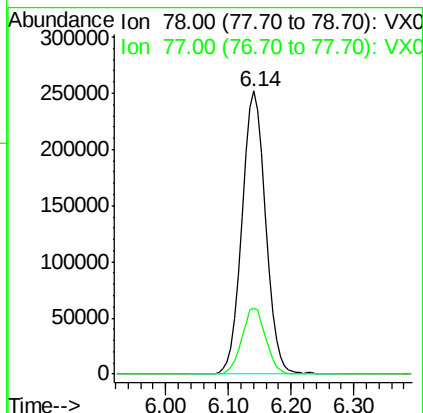
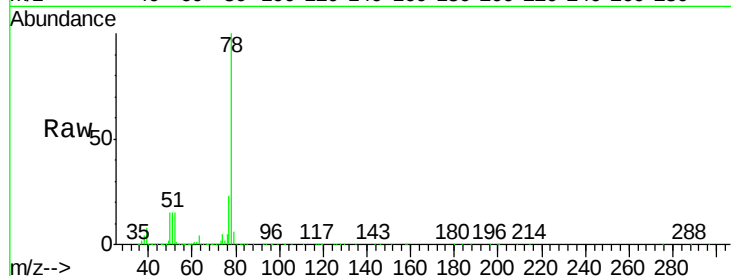
DUP-0503-190207DL

Tot Ion: 78 Resp: 658998

Ion Ratio Lower Upper

78 100

77 23.2 19.3 28.9



#42

1,2-Dichloroethane

Concen: 0.758 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.05 min

Lab File: VX007488.D

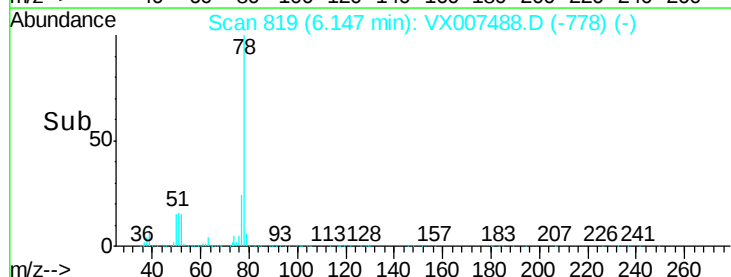
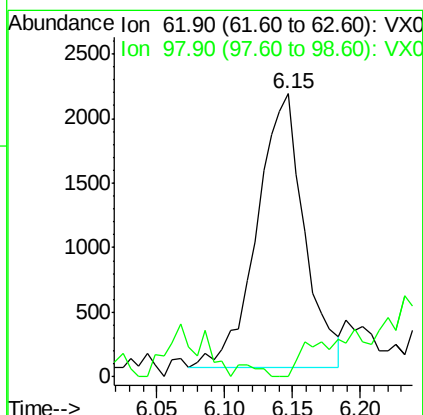
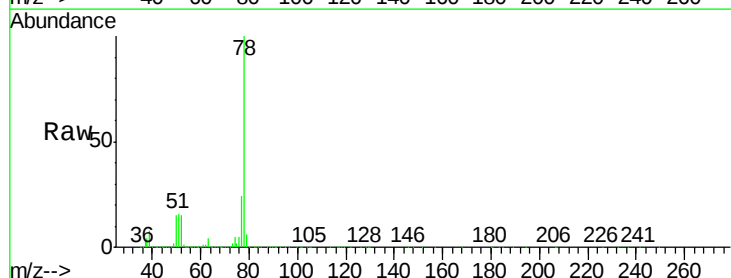
Acq: 12 Feb 2019 15:03

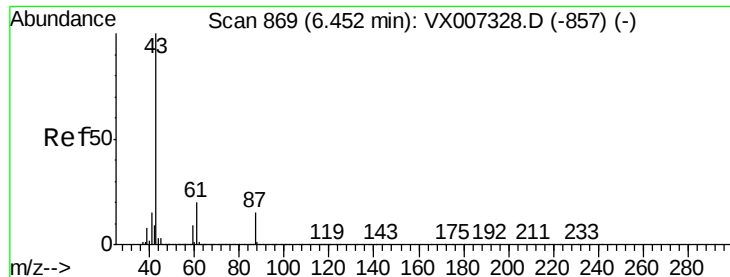
Tgt Ion: 62 Resp: 5126

Ion Ratio Lower Upper

62 100

98 7.8 0.0 19.0





#43

Isopropyl Acetate

Concen: 0.813 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0503-190207DL

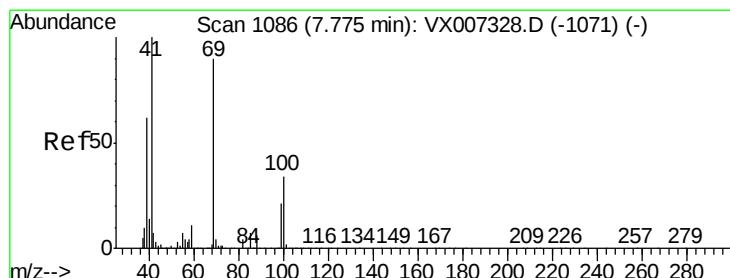
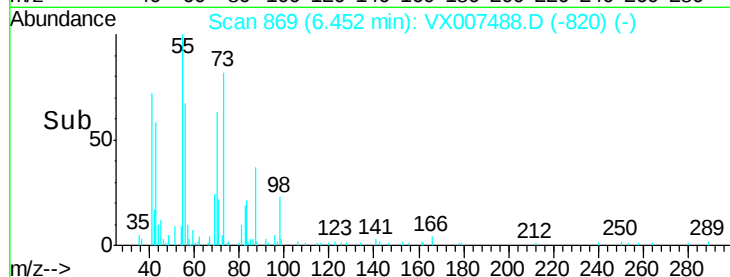
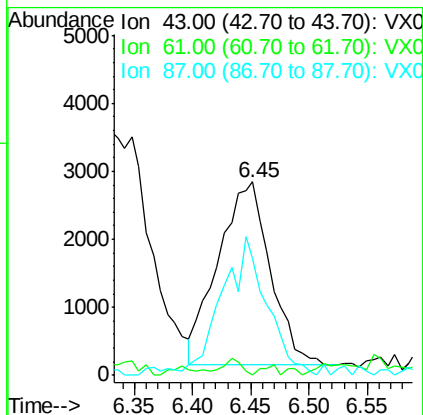
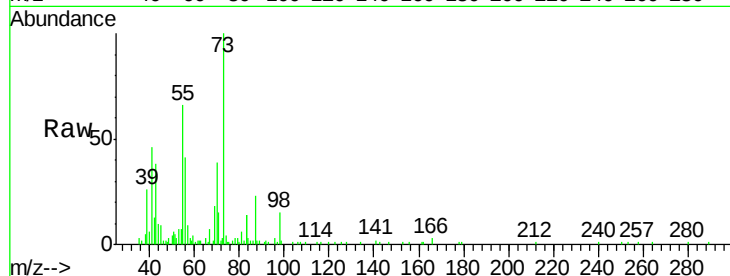
Tot Ion: 43 Resp: 8411

Ion Ratio Lower Upper

43 100

61 3.1 16.1 24.1#

87 64.3 11.5 17.3#



#48

Methyl methacrylate

Concen: 0.421 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

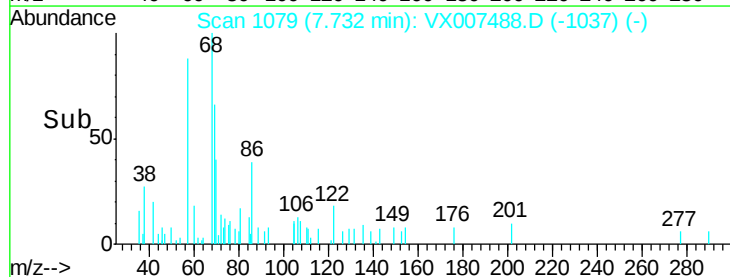
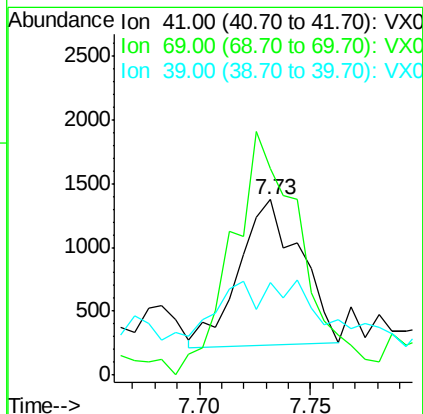
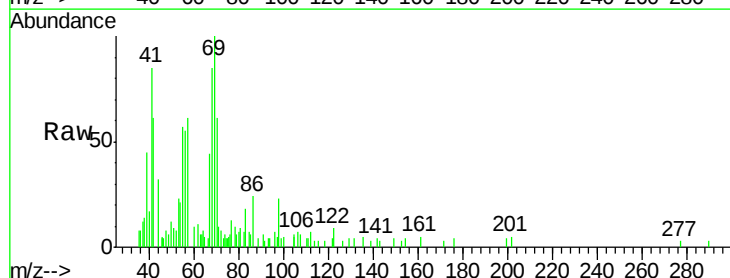
Tgt Ion: 41 Resp: 2177

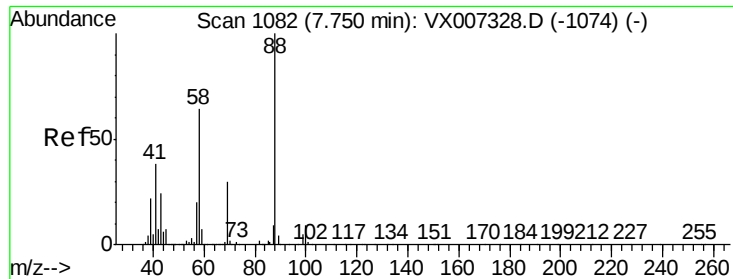
Ion Ratio Lower Upper

41 100

69 189.0 70.2 105.4#

39 22.1 47.4 71.0#

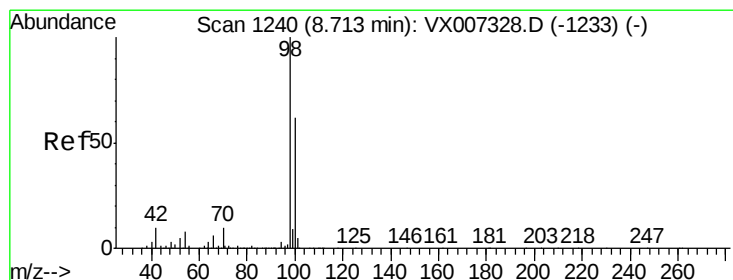
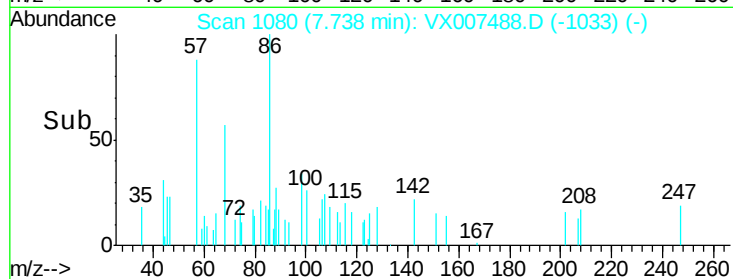
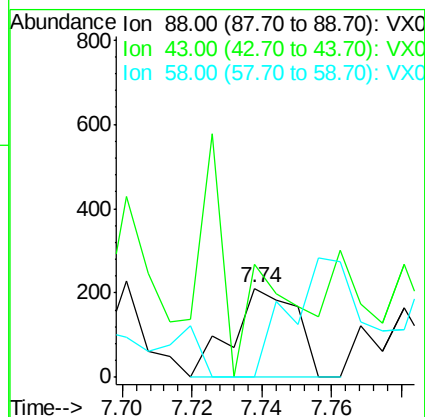
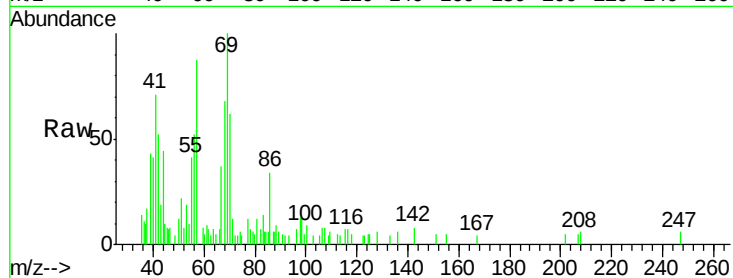




#49
1,4-Dioxane
Concen: 9.140 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

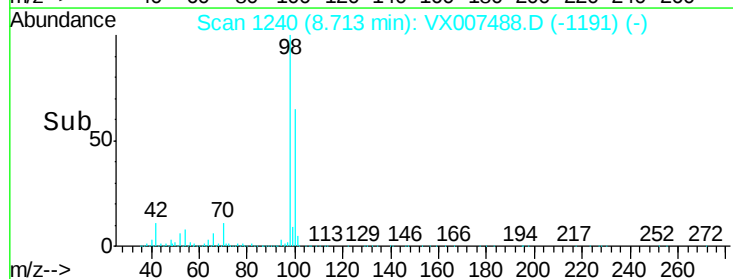
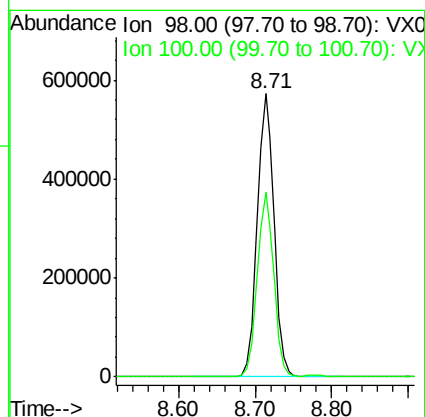
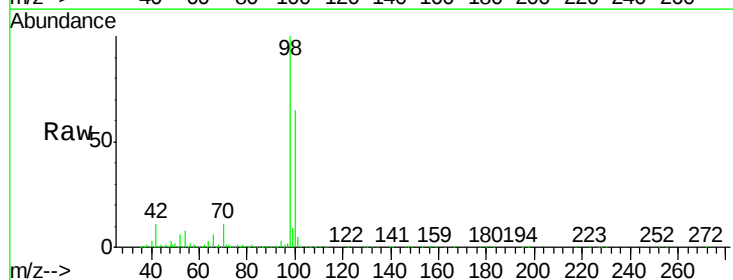
Instrument :
MSVOA_X
ClientSampleId :
DUP-0503-190207DL

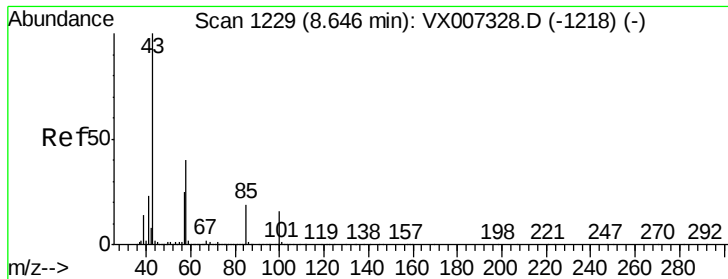
Tot Ion: 88 Resp: 268
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 150.7 53.0 79.4#



#50
Toluene-d8
Concen: 49.174 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

Tgt Ion: 98 Resp: 877449
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

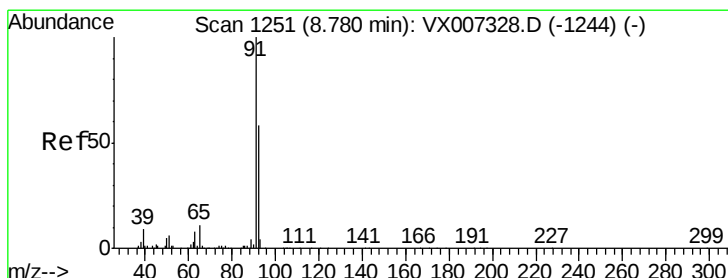
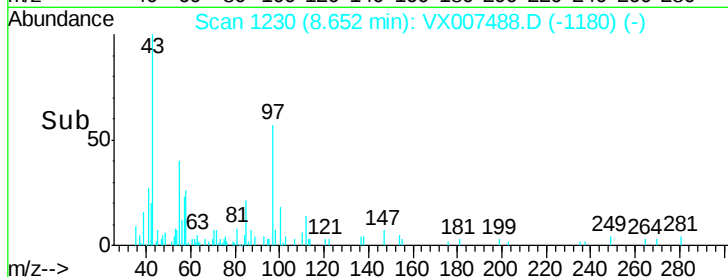
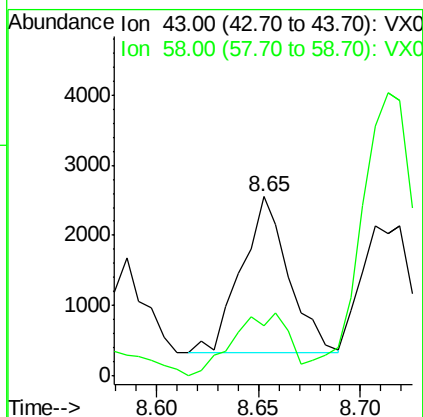
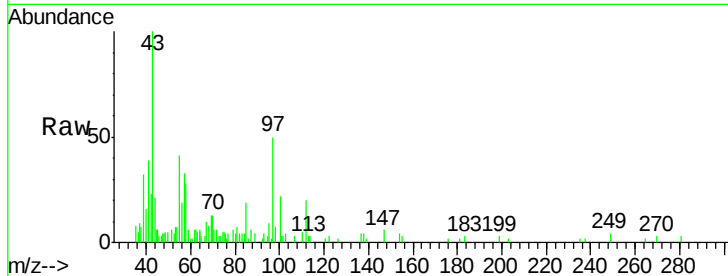




#51
 4-Methyl-2-Pentanone
 Concen: 0.527 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VX007488.D
 Acq: 12 Feb 2019 15:03

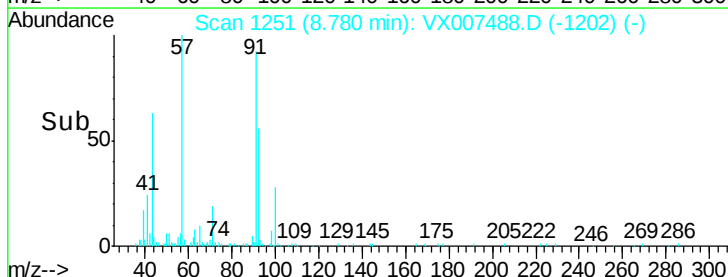
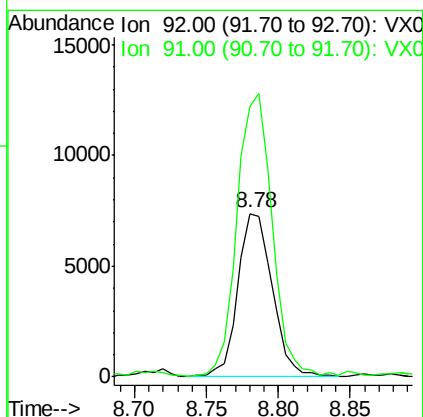
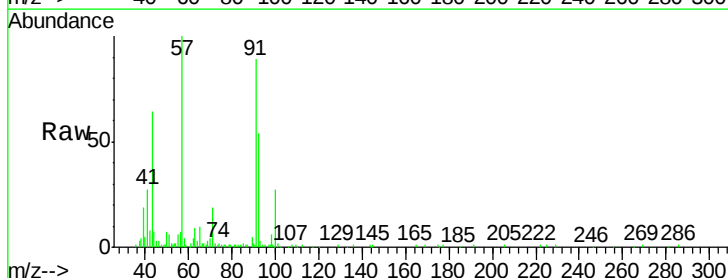
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0503-190207DL

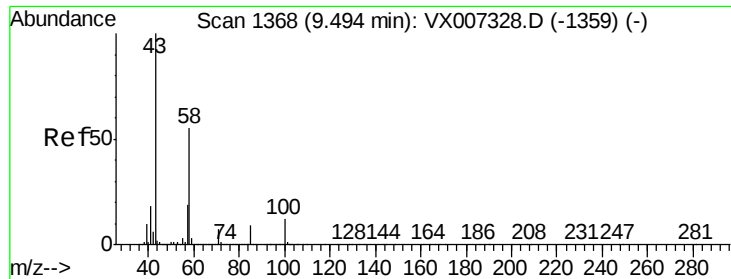
Tot Ion: 43 Resp: 3588
 Ion Ratio Lower Upper
 43 100
 58 49.5 31.2 46.8#



#52
 Toluene
 Concen: 0.975 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VX007488.D
 Acq: 12 Feb 2019 15:03

Tgt Ion: 92 Resp: 12292
 Ion Ratio Lower Upper
 92 100
 91 177.0 139.1 208.7

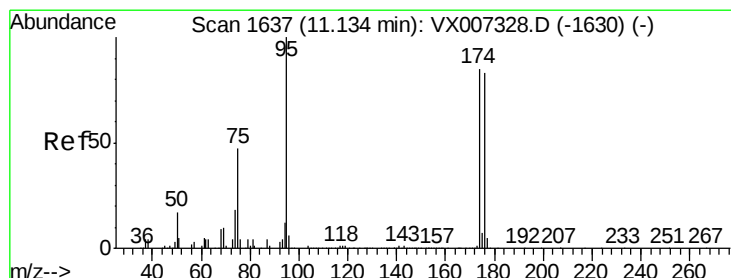
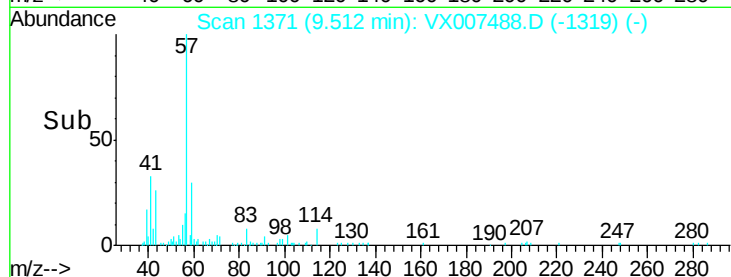
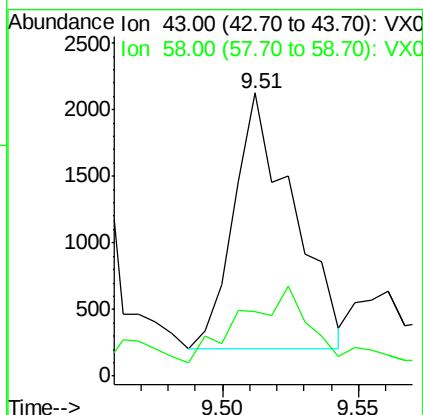
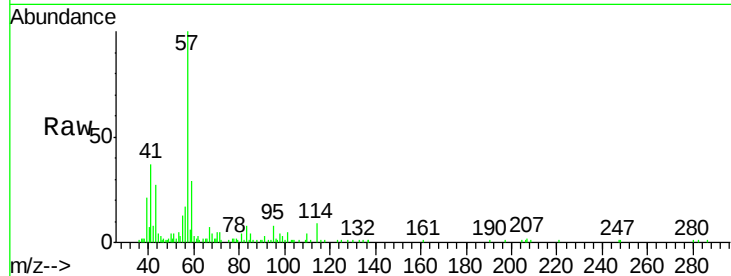




#59
2-Hexanone
Concen: 0.543 ug/l
RT: 9.51 min Scan# 1371
Delta R.T. 0.02 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

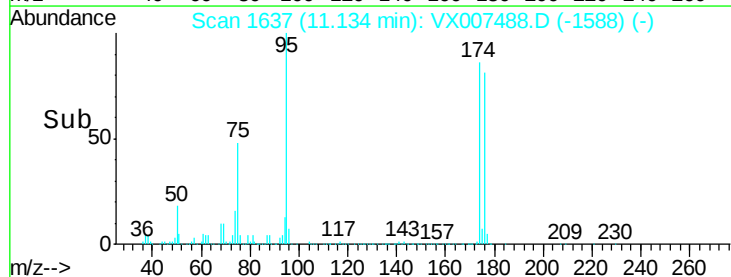
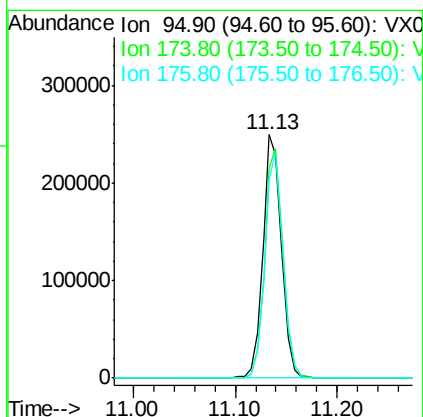
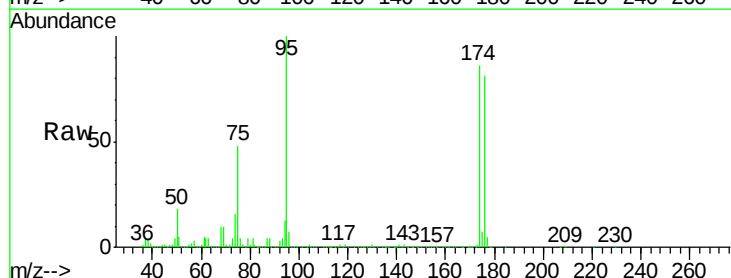
Instrument :
MSVOA_X
ClientSampleId :
DUP-0503-190207DL

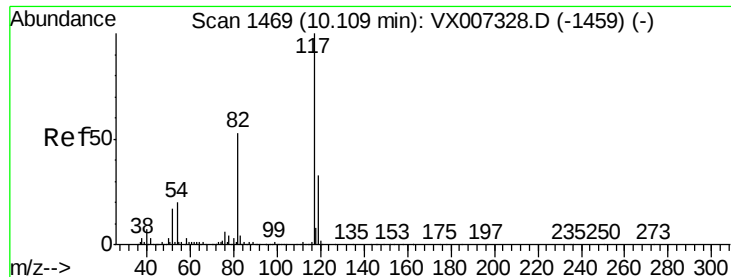
Tot Ion: 43 Resp: 2876
Ion Ratio Lower Upper
43 100
58 51.3 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 48.691 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

Tgt Ion: 95 Resp: 317214
Ion Ratio Lower Upper
95 100
174 93.3 0.0 189.2
176 90.1 0.0 186.2

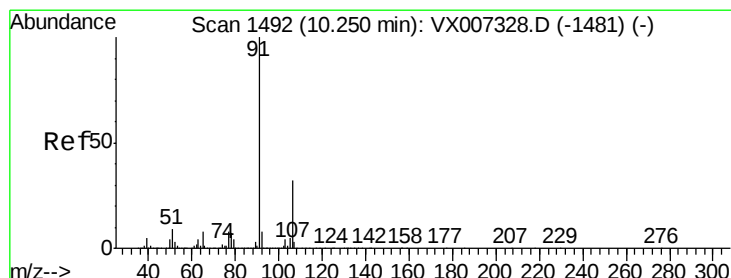
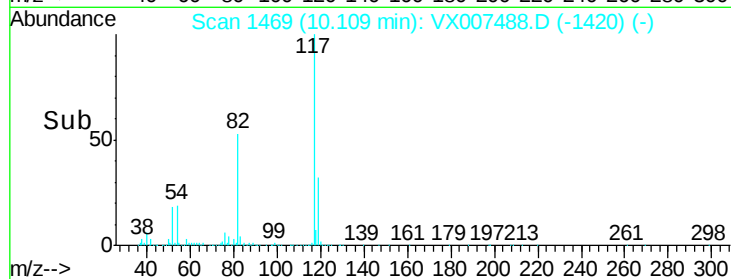
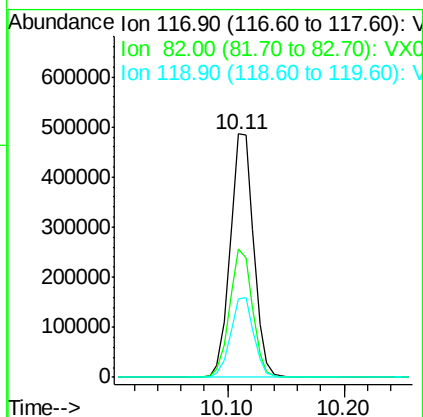
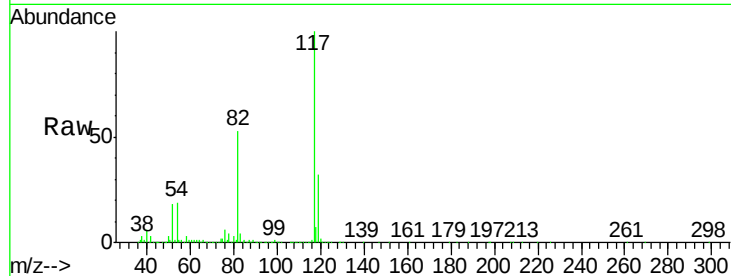




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

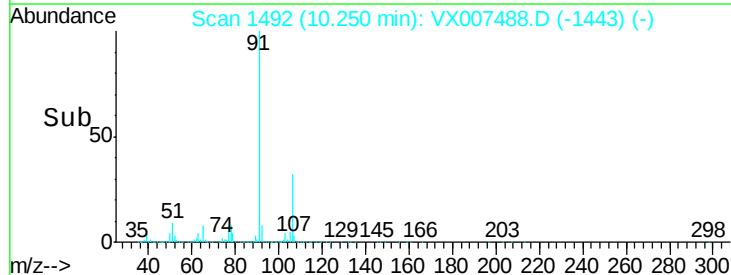
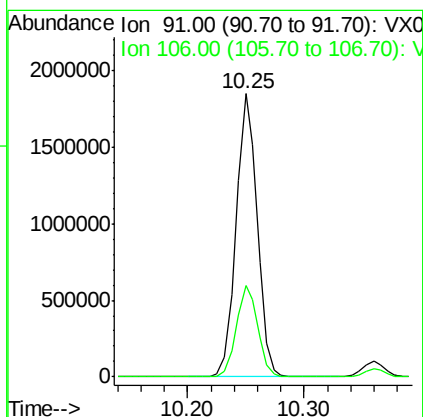
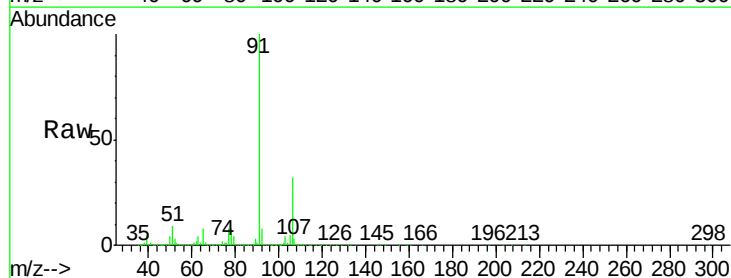
Instrument :
MSVOA_X
ClientSampleId :
DUP-0503-190207DL

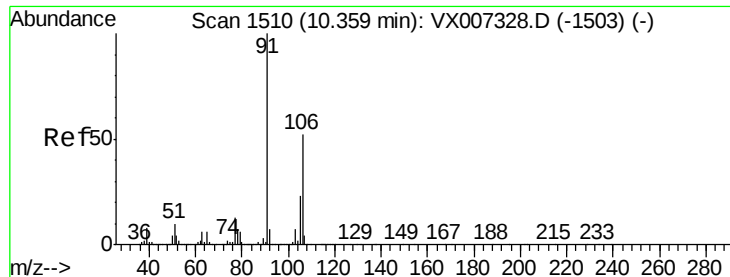
Tot Ion:117 Resp: 681443
Ion Ratio Lower Upper
117 100
82 52.9 42.1 63.1
119 32.0 26.5 39.7



#67
Ethyl Benzene
Concen: 97.239 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007488.D
Acq: 12 Feb 2019 15:03

Tgt Ion: 91 Resp: 2328582
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.0





#68

m/p-Xylenes

Concen: 7.082 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

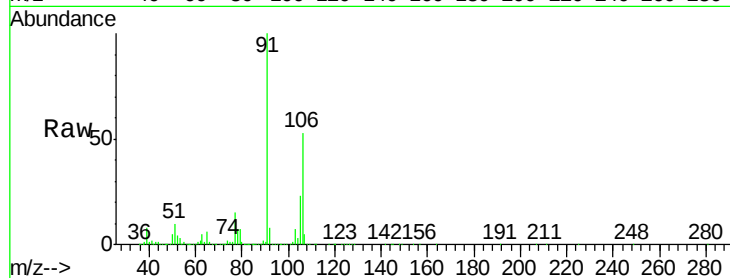
DUP-0503-190207DL

Tot Ion:106 Resp: 67413

Ion Ratio Lower Upper

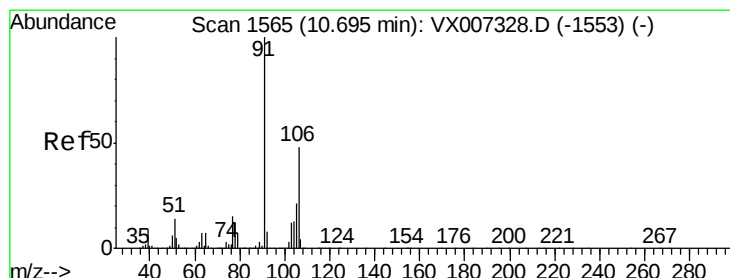
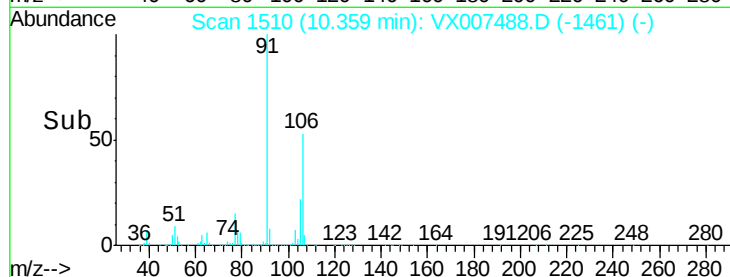
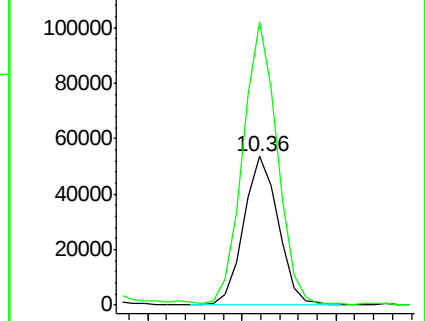
106 100

91 189.9 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 8.180 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX007488.D

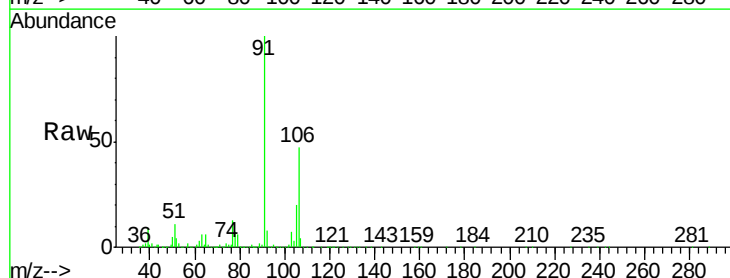
Acq: 12 Feb 2019 15:03

Tgt Ion:106 Resp: 74931

Ion Ratio Lower Upper

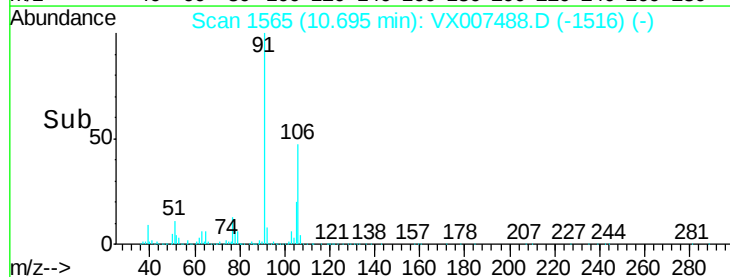
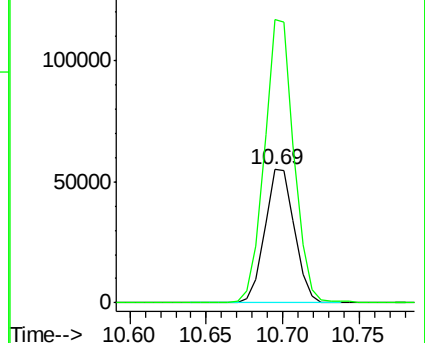
106 100

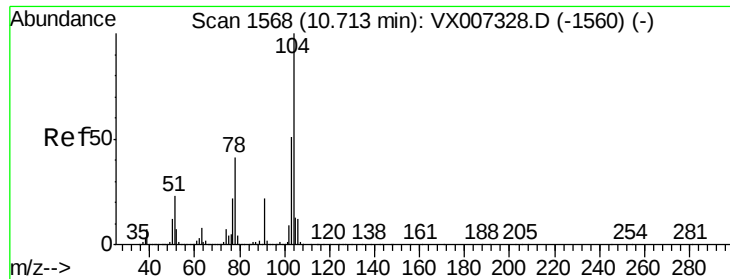
91 209.7 102.9 308.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 0.453 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0503-190207DL

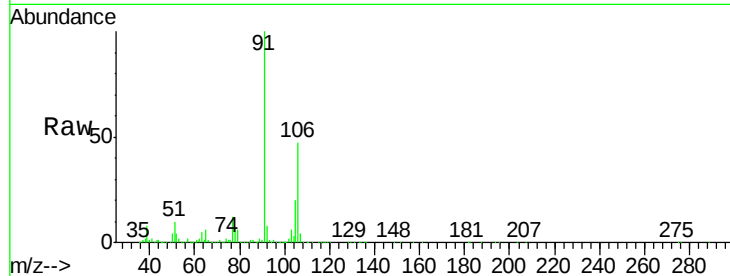
Tot Ion:104 Resp: 6728

Ion Ratio Lower Upper

104 100

78 176.1 38.3 57.5#

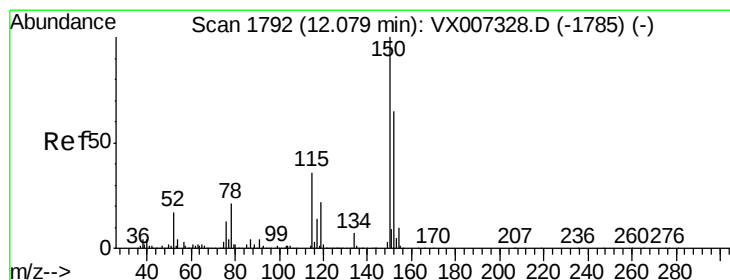
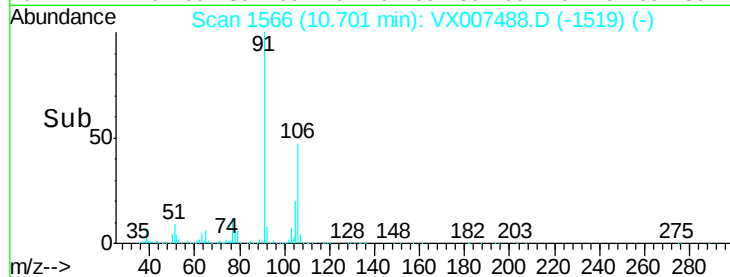
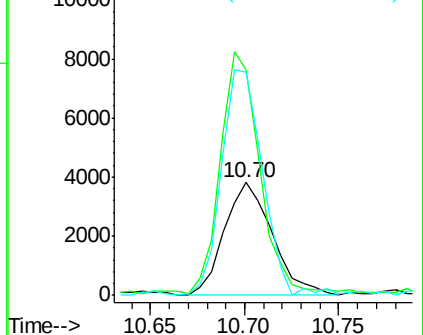
103 170.6 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

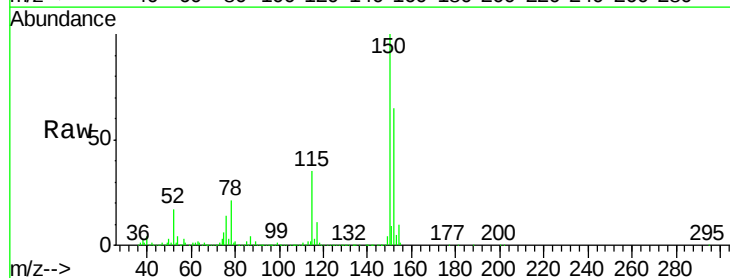
Tgt Ion:152 Resp: 356475

Ion Ratio Lower Upper

152 100

115 54.4 38.0 114.0

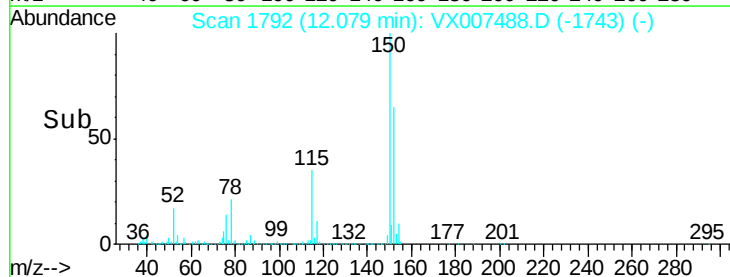
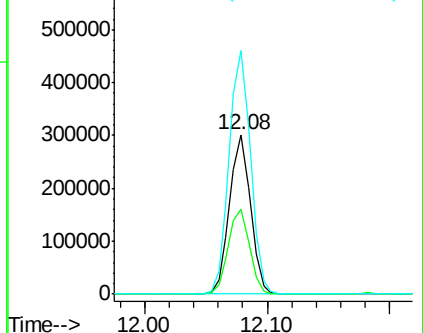
150 156.8 0.0 346.4

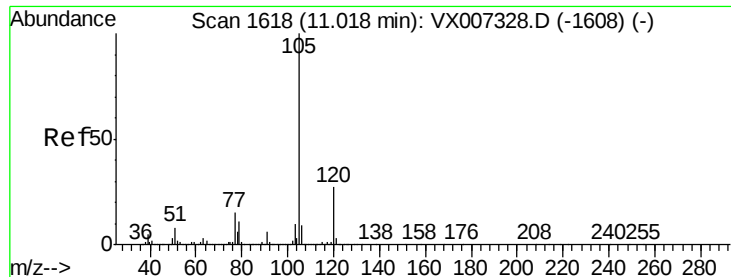


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.783 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

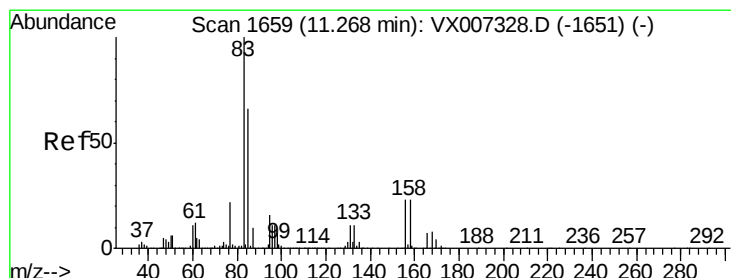
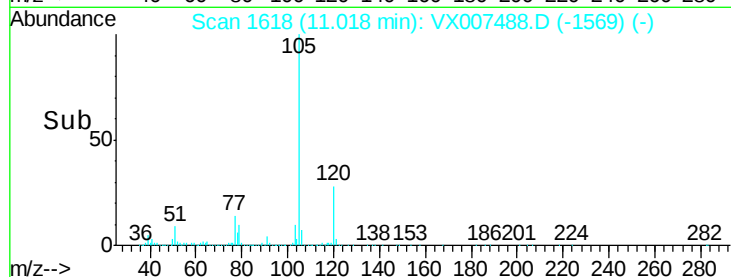
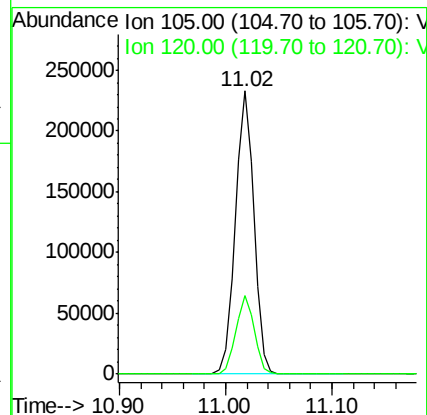
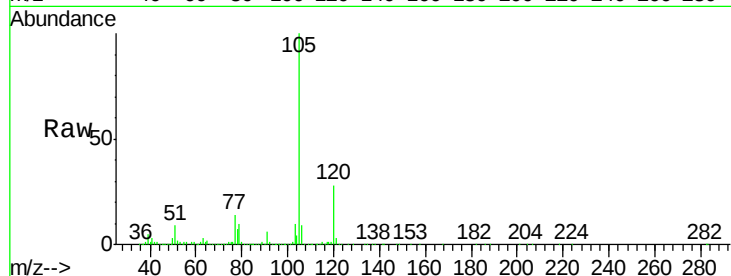
DUP-0503-190207DL

Tot Ion:105 Resp: 285437

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



#75

1,1,2,2-Tetrachloroethane

Concen: 0.261 ug/l

RT: 11.32 min Scan# 1668

Delta R.T. 0.05 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

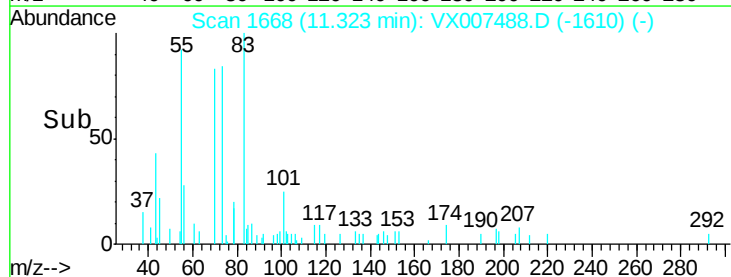
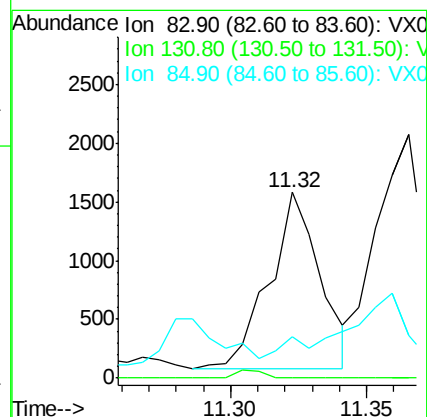
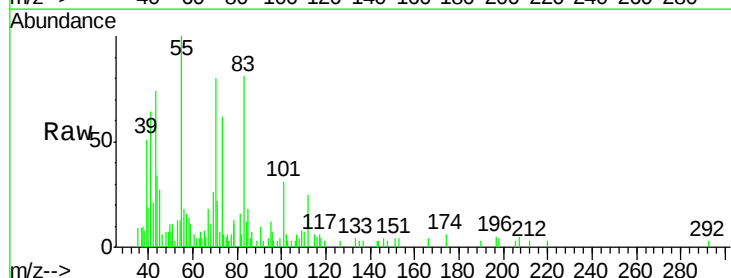
Tgt Ion: 83 Resp: 1929

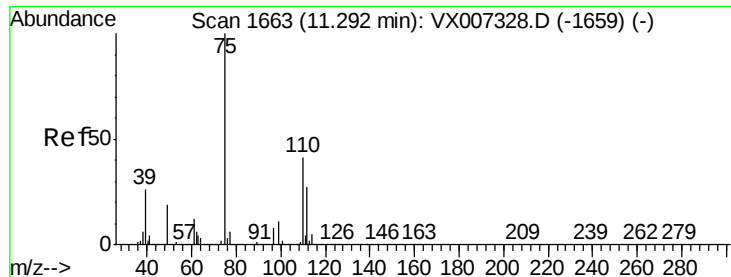
Ion Ratio Lower Upper

83 100

131 2.3 5.7 17.0#

85 0.0 32.8 98.3#





#76

1,2,3-Trichloropropane

Concen: 22.056 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

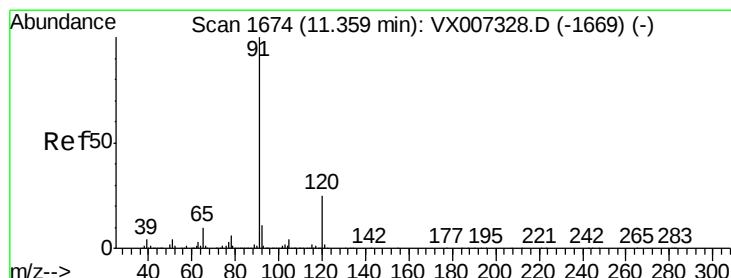
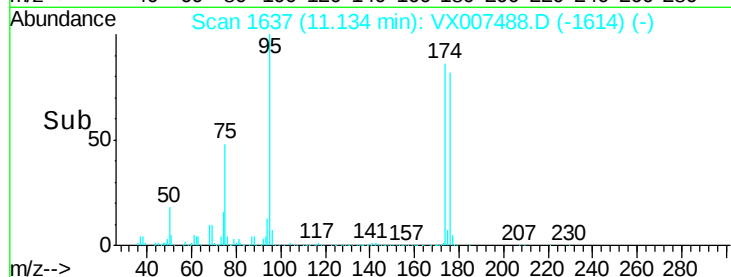
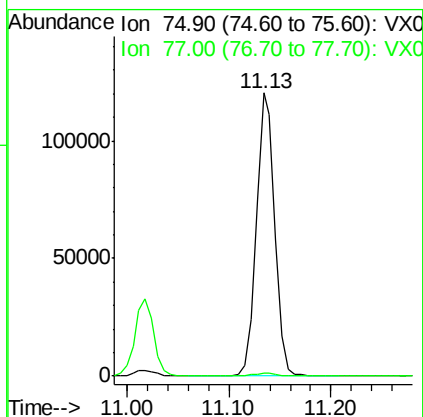
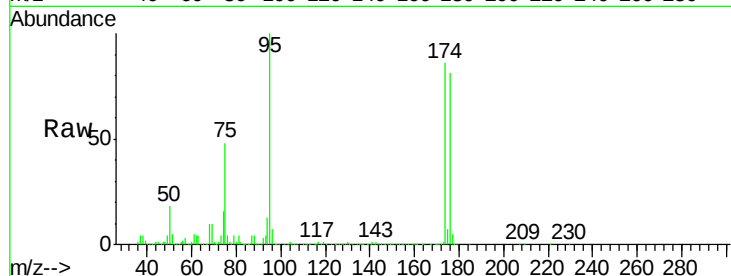
DUP-0503-190207DL

Tot Ion: 75 Resp: 152935

Ion Ratio Lower Upper

75 100

77 1.1 23.0 69.0#



#78

n-propylbenzene

Concen: 12.866 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007488.D

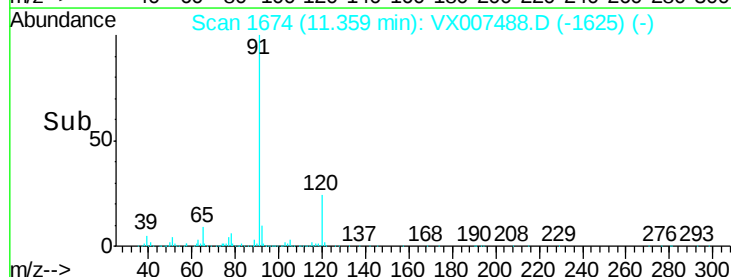
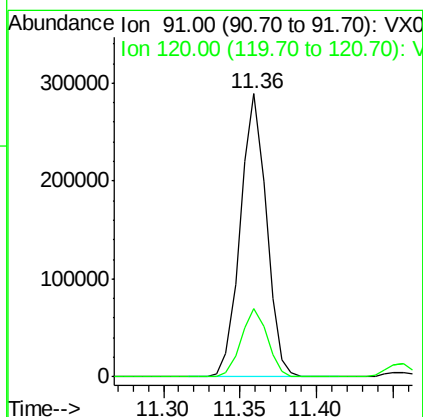
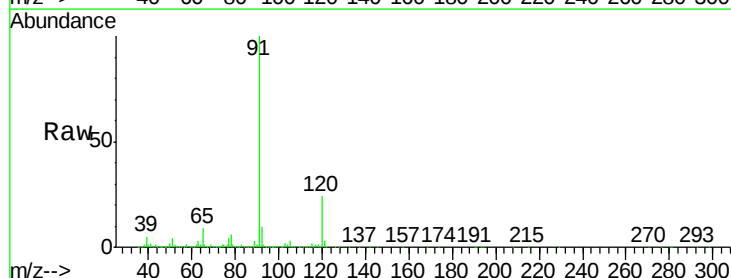
Acq: 12 Feb 2019 15:03

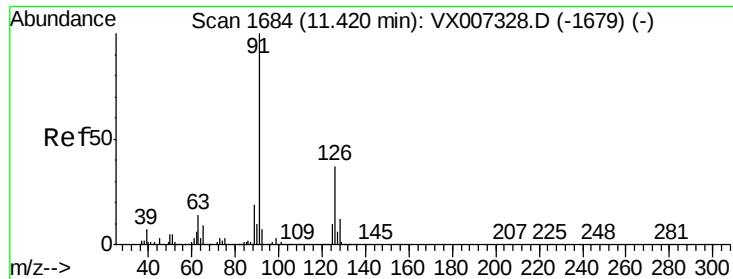
Tgt Ion: 91 Resp: 341769

Ion Ratio Lower Upper

91 100

120 24.5 12.4 37.2





#79

2-Chlorotoluene

Concen: 21.204 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

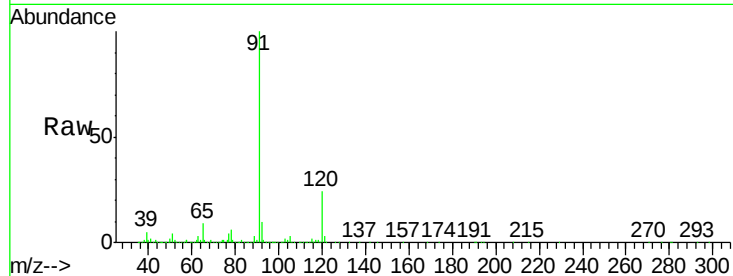
DUP-0503-190207DL

Tot Ion: 91 Resp: 341769

Ion Ratio Lower Upper

91 100

126 0.2 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.36

300000

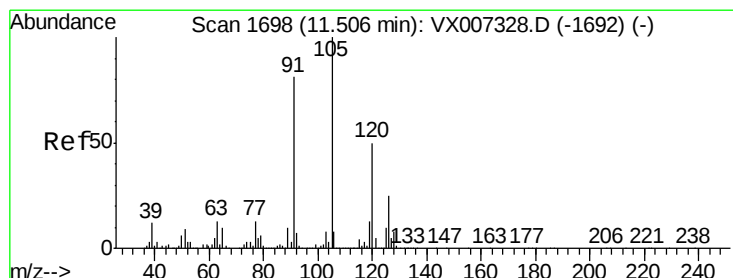
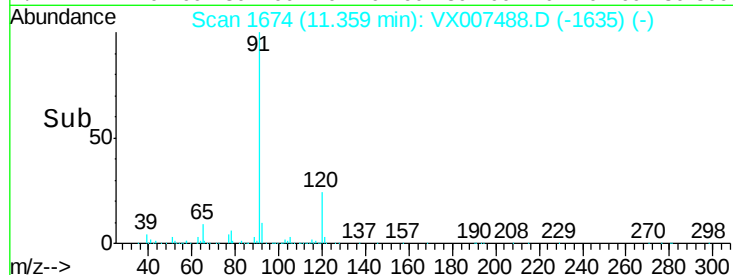
200000

100000

0

Time-->

11.30 11.35 11.40



#80

1,3,5-Trimethylbenzene

Concen: 1.642 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007488.D

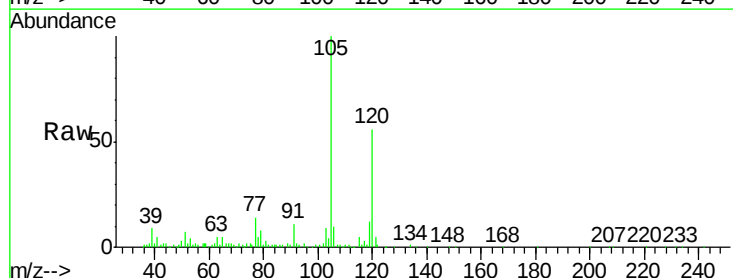
Acq: 12 Feb 2019 15:03

Tgt Ion:105 Resp: 32543

Ion Ratio Lower Upper

105 100

120 53.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

40000

30000

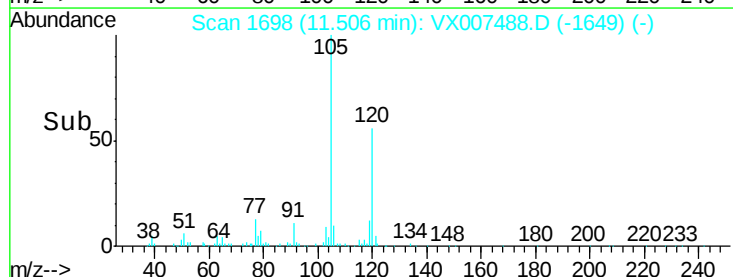
20000

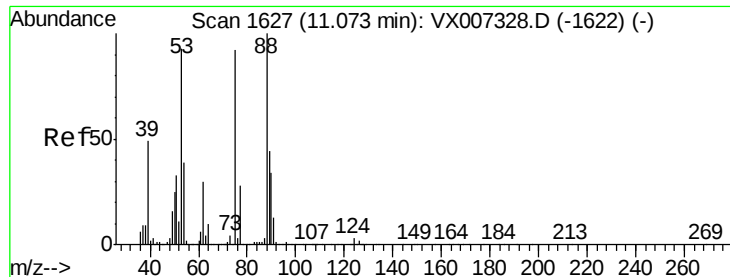
10000

0

Time-->

11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 66.637 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0503-190207DL

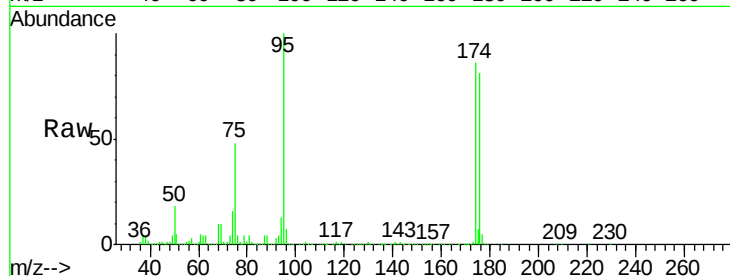
Tot Ion: 75 Resp: 152935

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

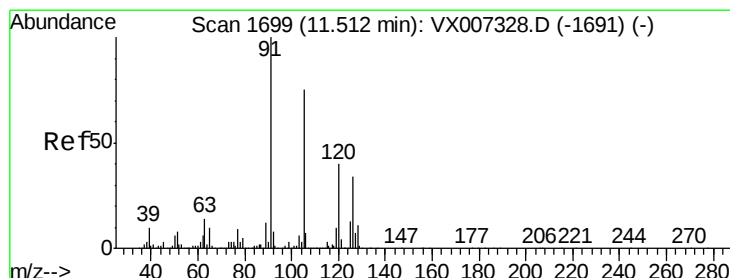
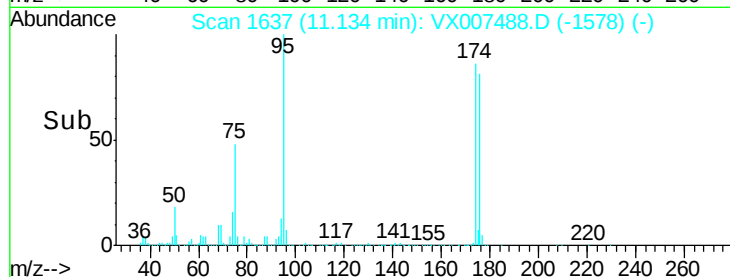
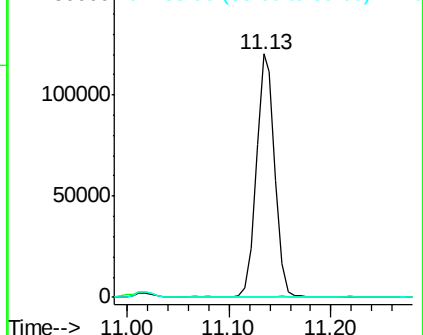
89 0.0 41.4 62.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 3.043 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. 0.15 min

Lab File: VX007488.D

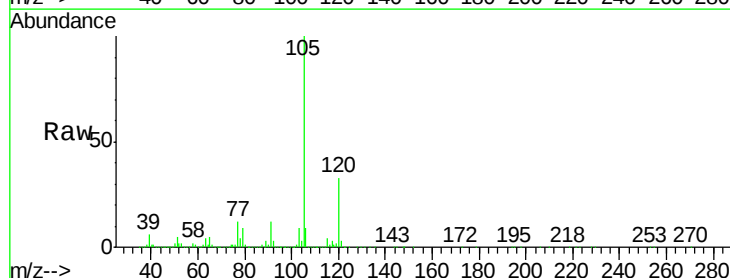
Acq: 12 Feb 2019 15:03

Tgt Ion: 91 Resp: 56752

Ion Ratio Lower Upper

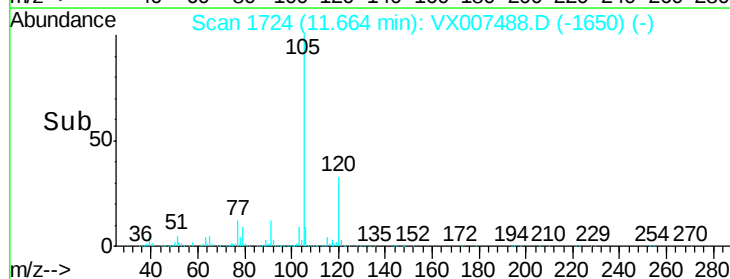
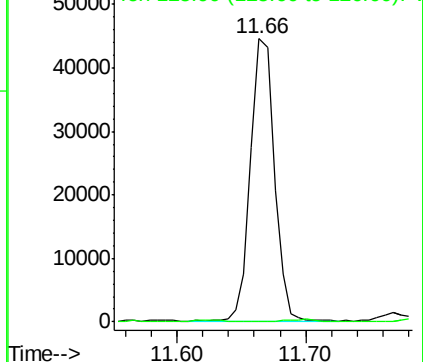
91 100

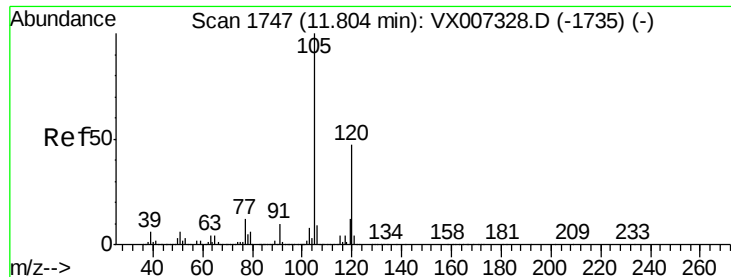
126 0.0 16.2 48.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 3.919 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

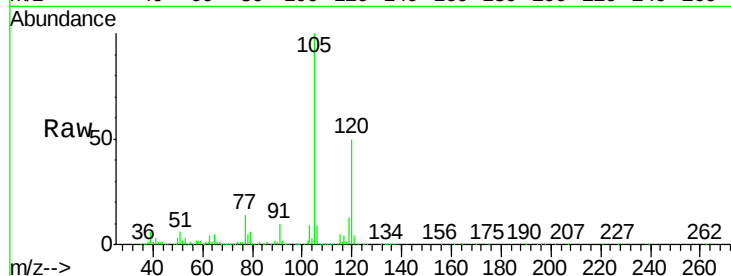
DUP-0503-190207DL

Tot Ion:105 Resp: 78856

Ion Ratio Lower Upper

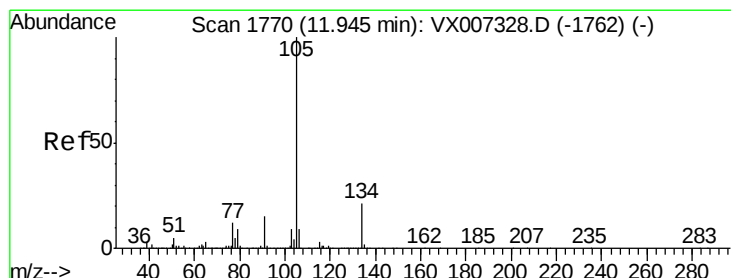
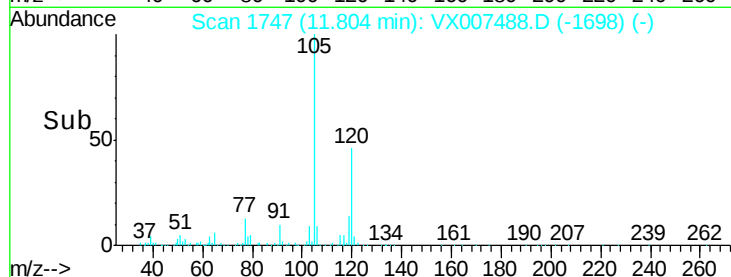
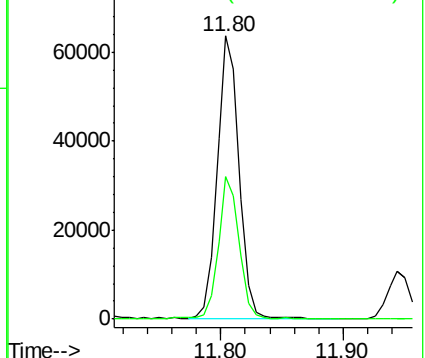
105 100

120 46.9 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.572 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007488.D

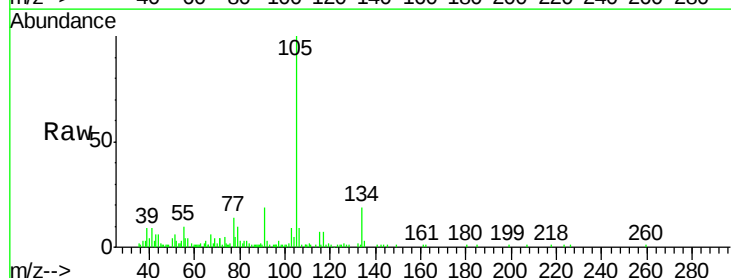
Acq: 12 Feb 2019 15:03

Tgt Ion:105 Resp: 13591

Ion Ratio Lower Upper

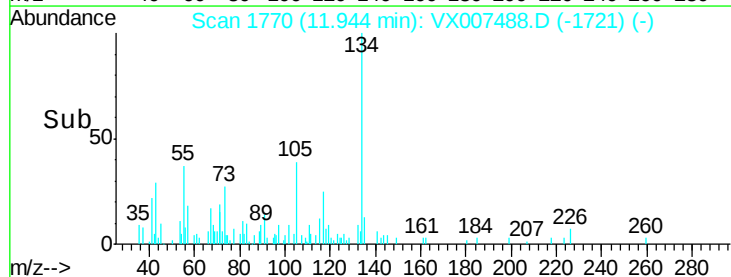
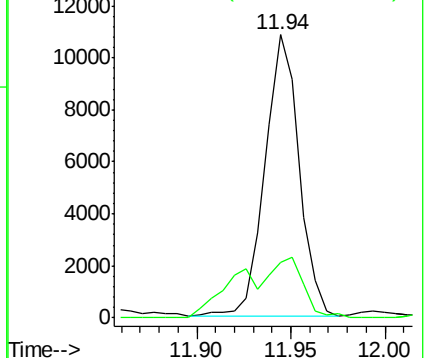
105 100

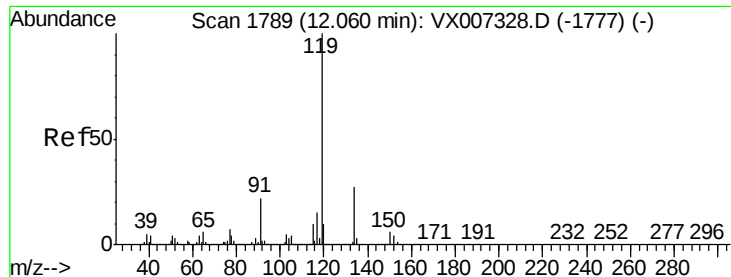
134 21.4 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 2.824 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0503-190207DL

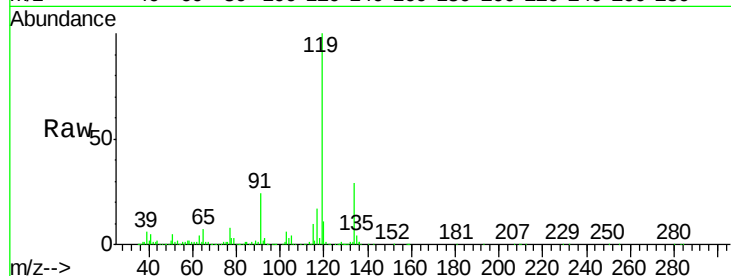
Tot Ion: 119 Resp: 60531

Ion Ratio Lower Upper

119 100

134 28.9 13.7 41.1

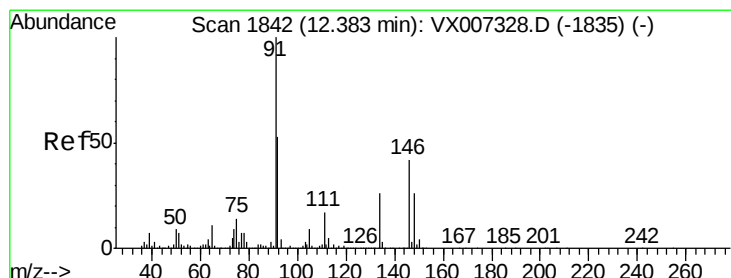
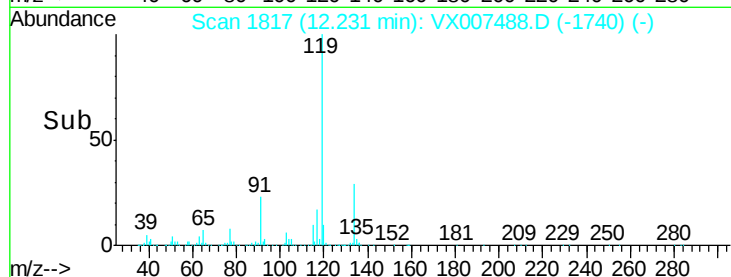
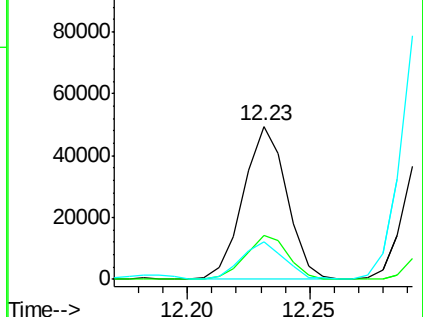
91 23.2 11.2 33.5



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: 0.781 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

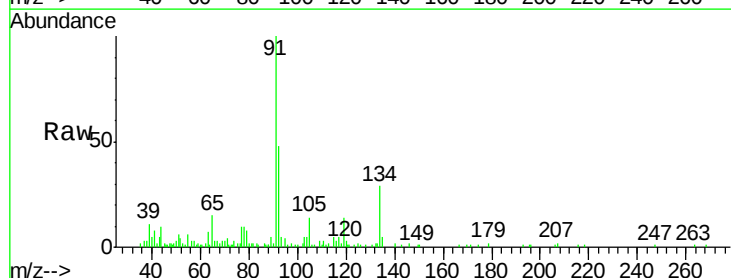
Tgt Ion: 91 Resp: 14411

Ion Ratio Lower Upper

91 100

92 41.1 26.3 78.9

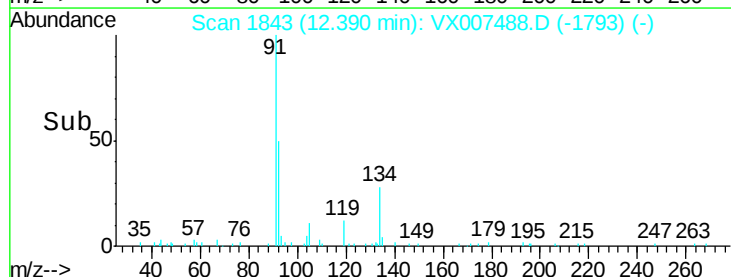
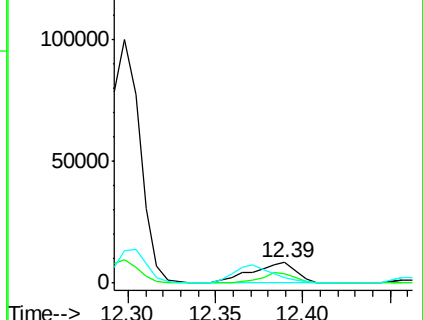
134 85.1 13.9 41.6#

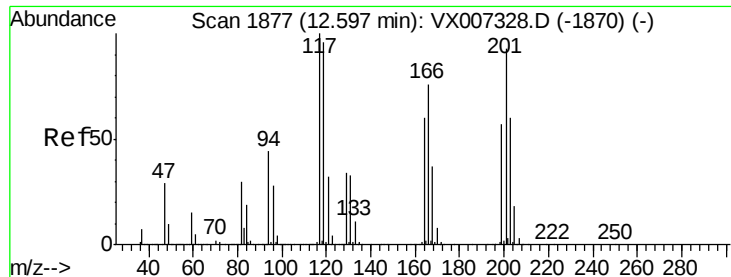


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 8.657 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

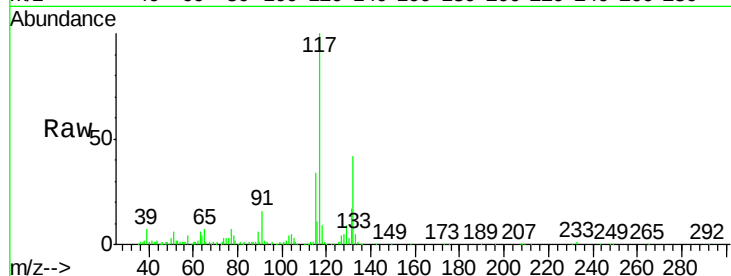
DUP-0503-190207DL

Tot Ion:117 Resp: 27774

Ion Ratio Lower Upper

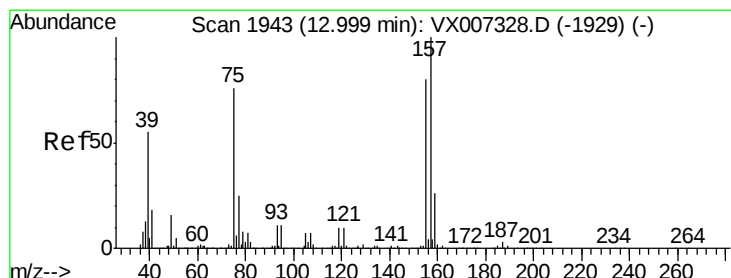
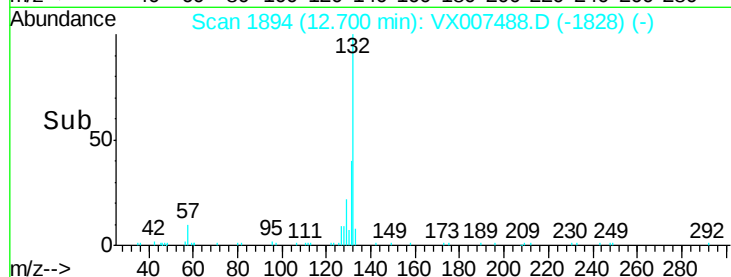
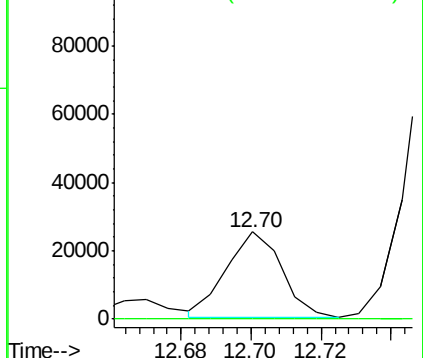
117 100

201 0.0 44.9 134.7#



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: 0.326 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

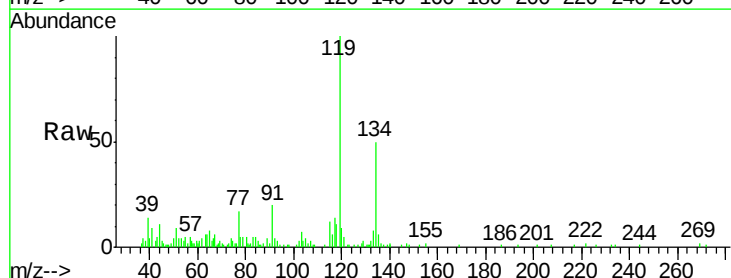
Tgt Ion: 75 Resp: 500

Ion Ratio Lower Upper

75 100

155 35.0 49.6 149.0#

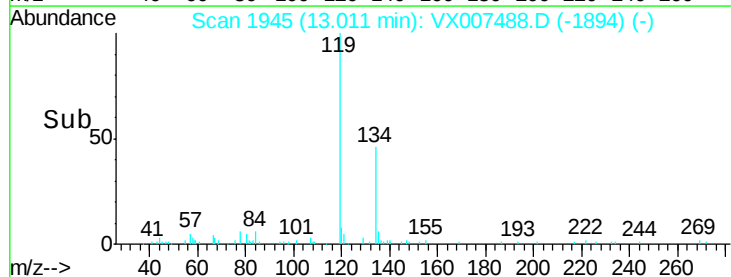
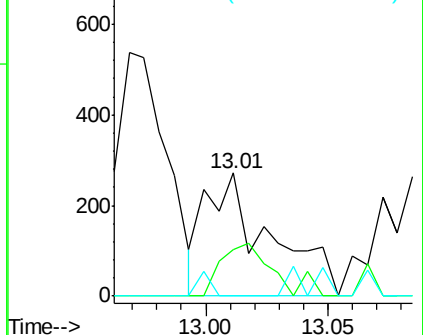
157 4.0 65.1 195.3#

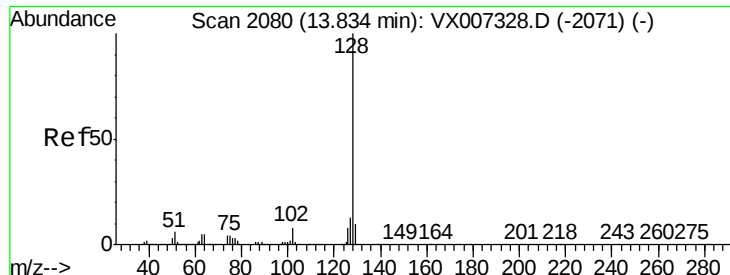


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 31.108 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007488.D

Acq: 12 Feb 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0503-190207DL

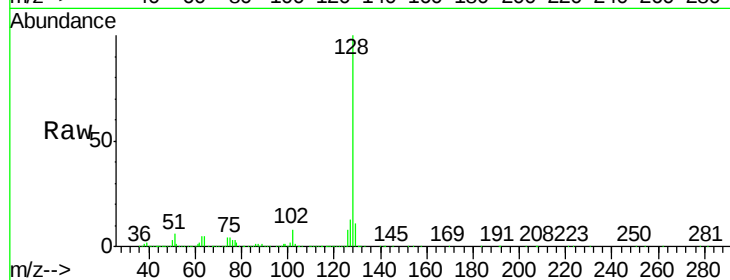
Tot Ion:128 Resp: 747874

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 11.0 8.7 13.1



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

