

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007489.D
 Acq On : 12 Feb 2019 15:30
 Operator : JC/SP
 Sample : K1433-09DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207DL

Quant Time: Feb 13 00:11:41 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	5.67	168	514433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	802831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	752316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	374442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	274192	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	5.51	113	253403	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	8.71	98	960132	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	342689	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	202	0.209	ug/l #	43
5) Bromomethane	1.65	94	1105	Below Cal	#	72
13) Acrolein	2.28	56	146	0.276	ug/l #	1
15) Acrylonitrile	3.17	53	1300	0.465	ug/l #	36
16) Acetone	2.45	43	2542	1.016	ug/l	93
17) Carbon Disulfide	2.57	76	1461	2.230	ug/l #	74
18) Methyl Acetate	2.78	43	1292	0.789	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	70912	4.456	ug/l	98
20) Methylene Chloride	2.85	84	1560	Below Cal	#	42
25) 2-Butanone	4.71	43	1156	0.325	ug/l #	81
29) Tetrahydrofuran	5.15	42	627	0.280	ug/l #	64
31) Cyclohexane	5.57	56	33323	4.389	ug/l	92
36) 1,1-Dichloropropene	5.67	75	34156	4.742	ug/l #	49
38) Carbon Tetrachloride	5.66	117	47567	6.807	ug/l #	18
39) Methylcyclohexane	7.46	83	35540	4.078	ug/l	94
40) Benzene	6.15	78	578596	27.268	ug/l	98
43) Isopropyl Acetate	6.45	43	2270	0.202	ug/l #	44
48) Methyl methacrylate	7.73	41	5374	0.956	ug/l #	55
49) 1,4-Dioxane	7.74	88	161	8.129	ug/l #	25
52) Toluene	8.79	92	11826	0.864	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	5112	0.896	ug/l #	20
67) Ethyl Benzene	10.25	91	1719971	65.058	ug/l	100
68) m/p-Xylenes	10.36	106	759028	72.225	ug/l	100
69) o-Xylene	10.70	106	25609	2.532	ug/l	98
73) Isopropylbenzene	11.02	105	278042	10.927	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	164062	22.526	ug/l #	30
78) n-propylbenzene	11.36	91	283809	10.171	ug/l	99
79) 2-Chlorotoluene	11.45	91	81346	4.805	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	322267	15.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	164062	67.965	ug/l #	9
82) 4-Chlorotoluene	11.51	91	33165	1.693	ug/l #	43
83) tert-Butylbenzene	11.77	119	6323	0.307	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	1180710	55.866	ug/l	99
85) sec-Butylbenzene	11.80	105	1180710	47.332	ug/l #	55

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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

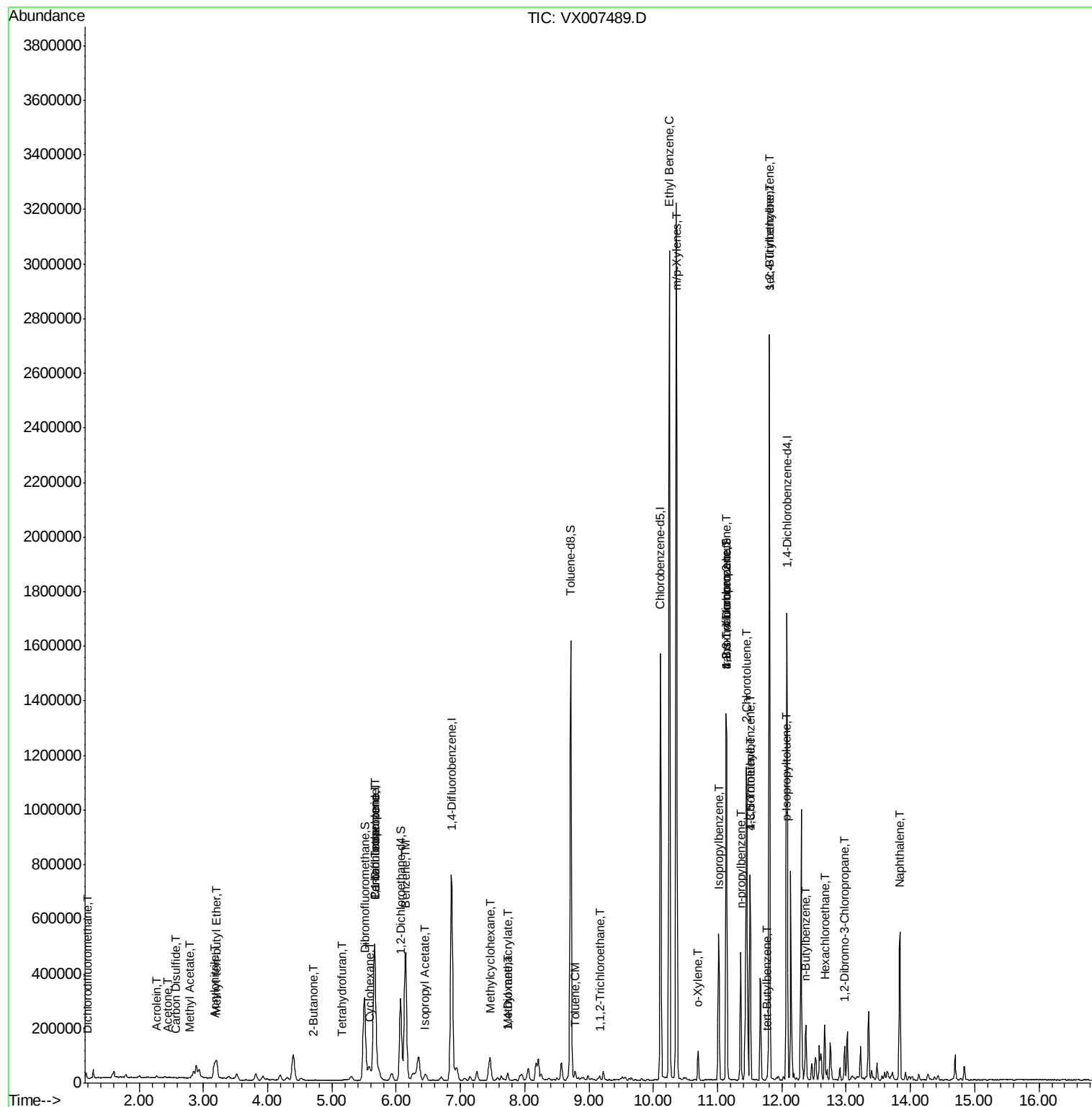
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.06	119	7076	0.314	ug/l #	73
89) n-Butylbenzene	12.37	91	23560	1.216	ug/l #	4
90) Hexachloroethane	12.67	117	9540	2.831	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.97	75	545	0.338	ug/l #	1
95) Naphthalene	13.83	128	350776	13.891	ug/l	99

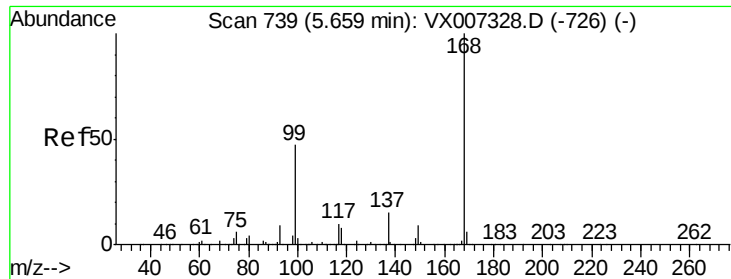
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

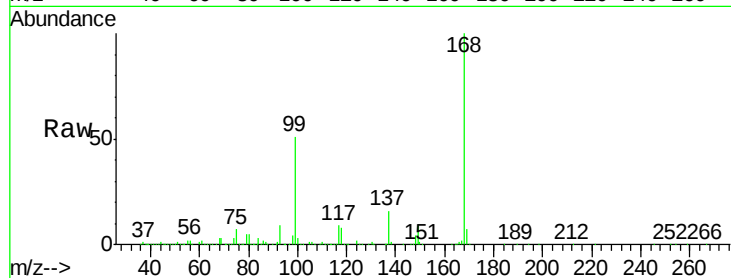
KY001MW022-190207DL

Tot Ion:168 Resp: 514433

Ion Ratio Lower Upper

168 100

99 51.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

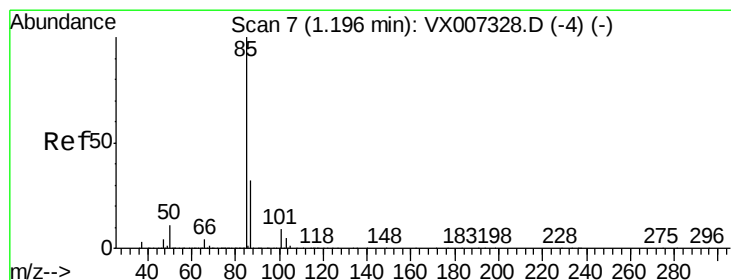
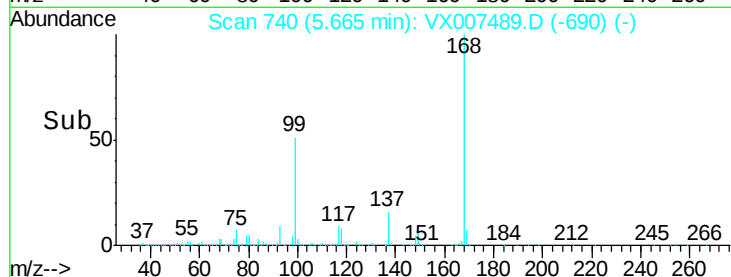
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.209 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX007489.D

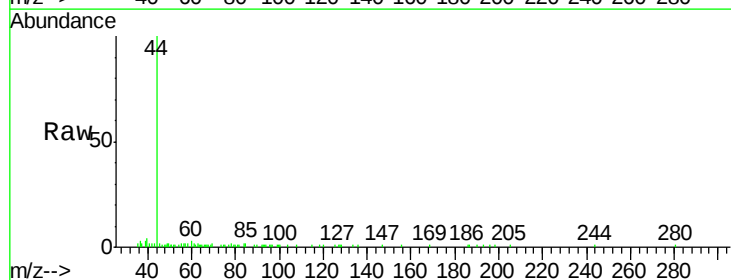
Acq: 12 Feb 2019 15:30

Tgt Ion: 85 Resp: 202

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250

200

150

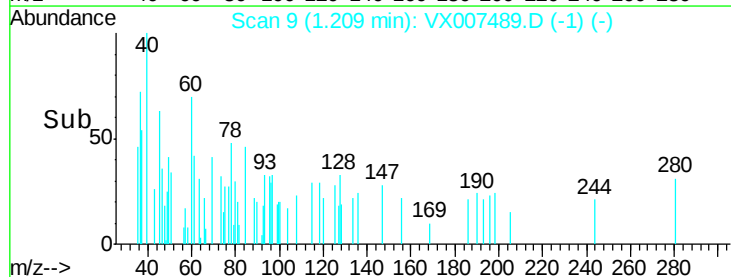
100

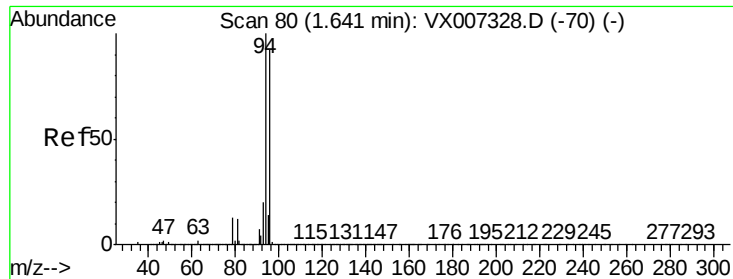
50

0

Time-->

1.18 1.20 1.22 1.24





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleID :

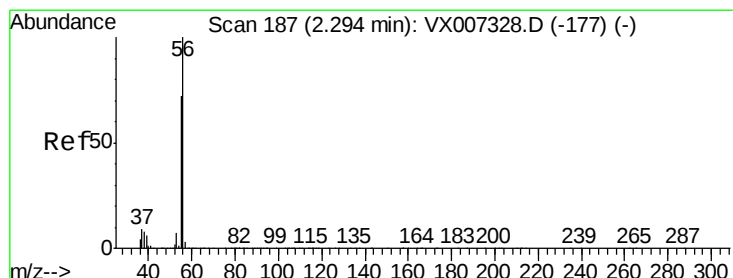
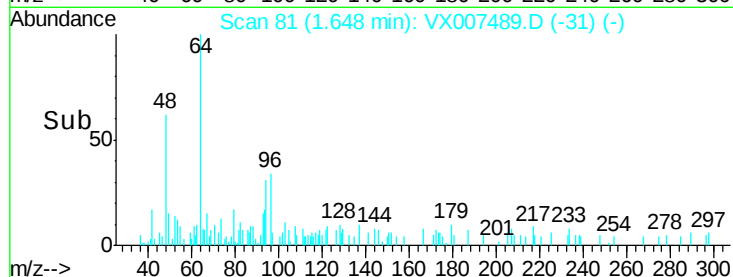
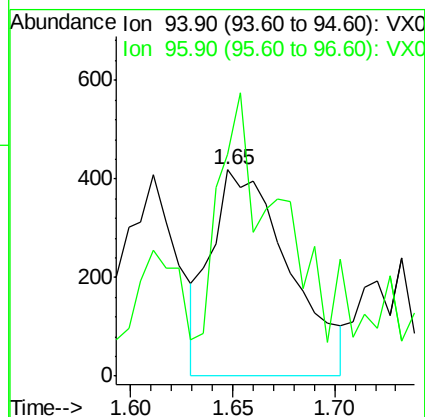
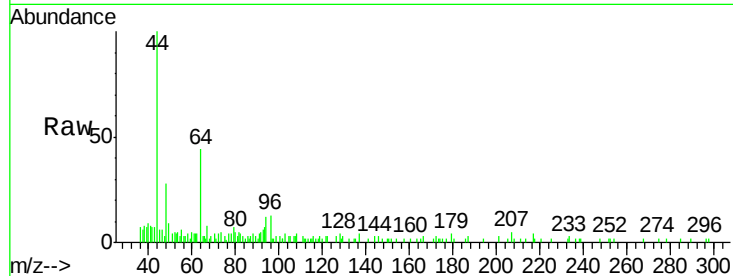
KY001MW022-190207DL

Tot Ion: 94 Resp: 1105

Ion Ratio Lower Upper

94 100

96 119.3 73.9 110.9#



#13

Acrolein

Concen: 0.276 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX007489.D

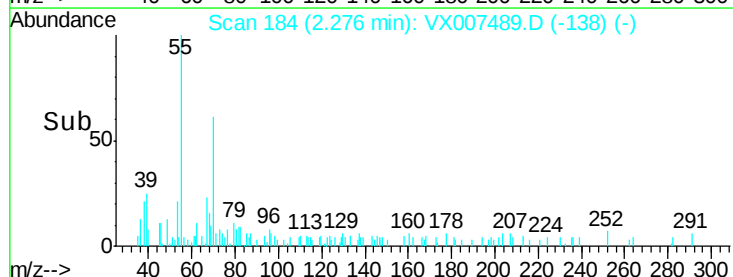
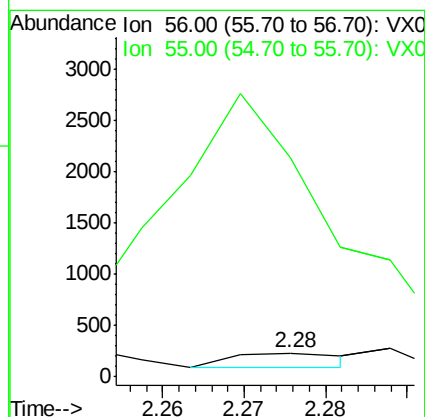
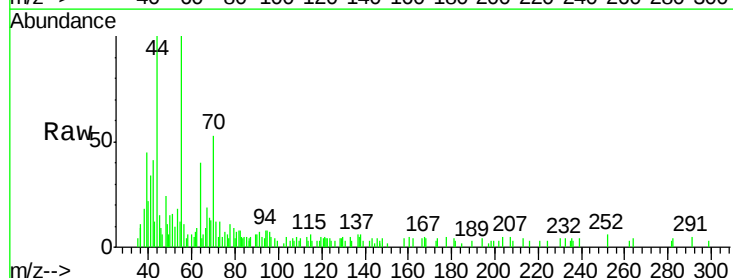
Acq: 12 Feb 2019 15:30

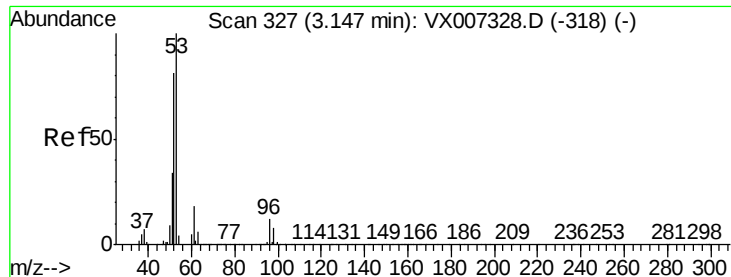
Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 3371.9 56.9 85.3#





#15

Acrylonitrile

Concen: 0.465 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

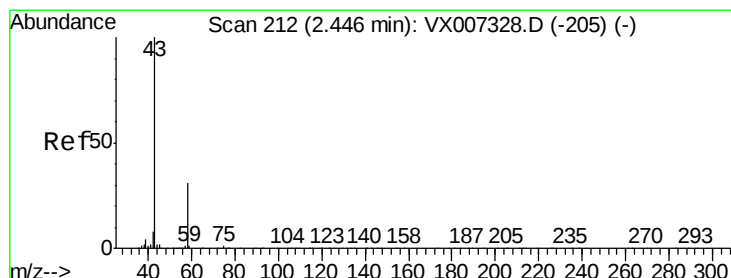
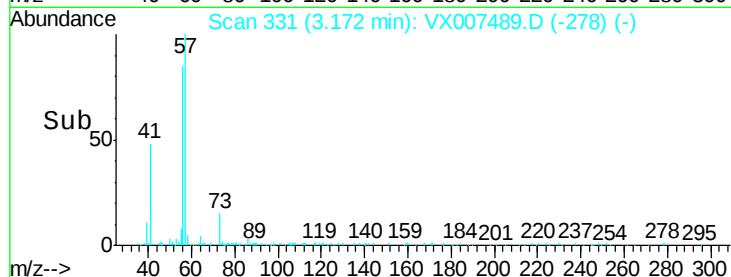
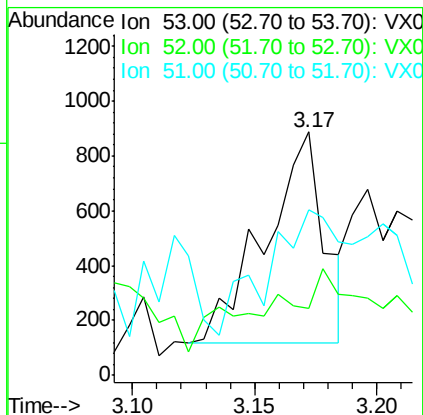
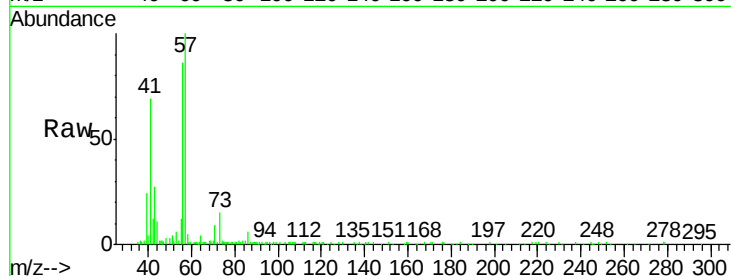
Tot Ion: 53 Resp: 1300

Ion Ratio Lower Upper

53 100

52 28.7 66.4 99.6#

51 77.9 28.4 42.6#



#16

Acetone

Concen: 1.016 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007489.D

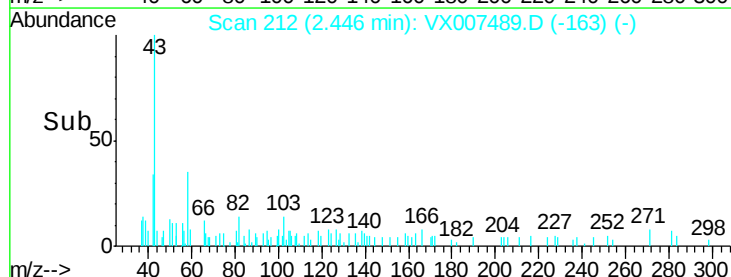
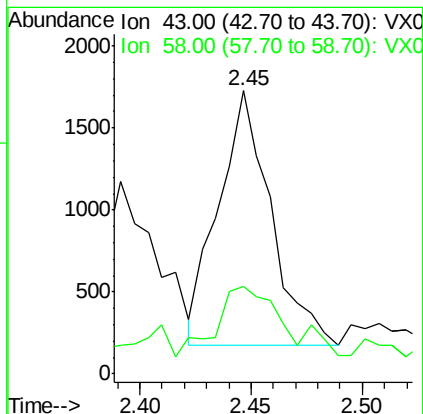
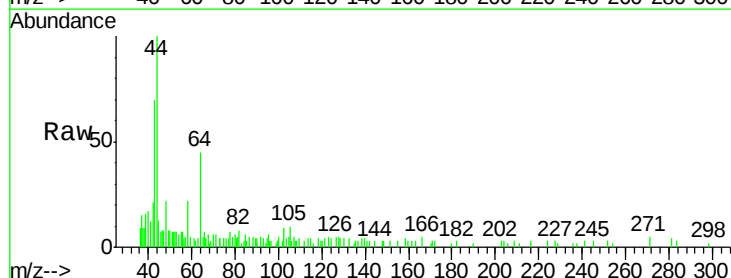
Acq: 12 Feb 2019 15:30

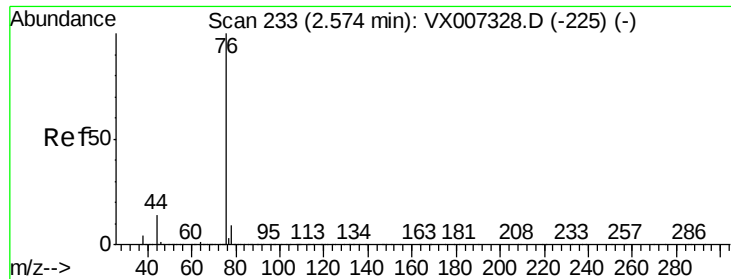
Tgt Ion: 43 Resp: 2542

Ion Ratio Lower Upper

43 100

58 27.1 24.9 37.3





#17

Carbon Disulfide

Concen: 2.230 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

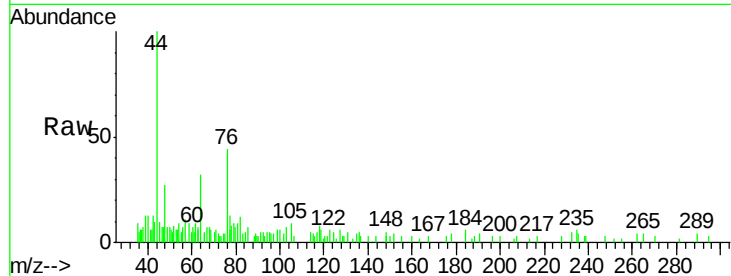
KY001MW022-190207DL

Tot Ion: 76 Resp: 1461

Ion Ratio Lower Upper

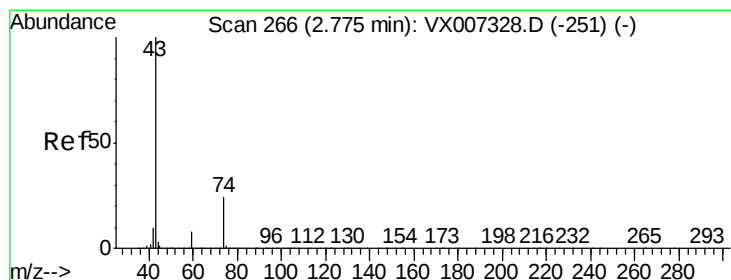
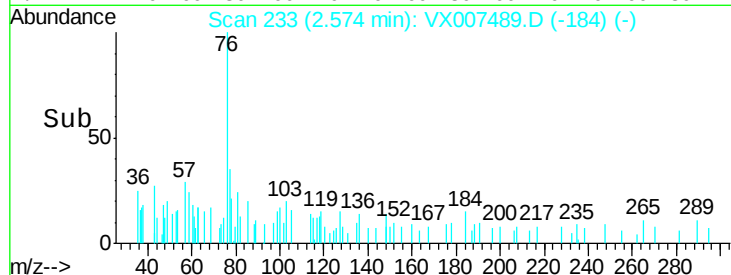
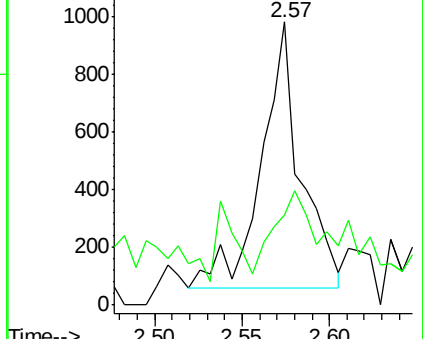
76 100

78 18.1 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: 0.789 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007489.D

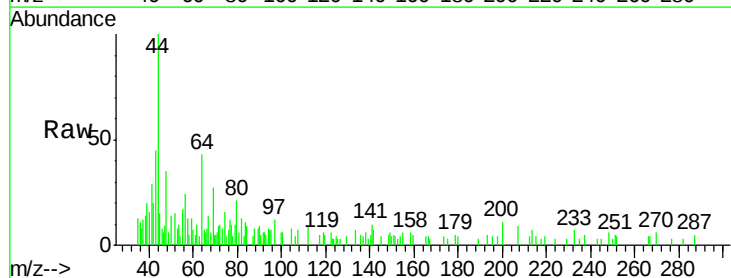
Acq: 12 Feb 2019 15:30

Tgt Ion: 43 Resp: 1292

Ion Ratio Lower Upper

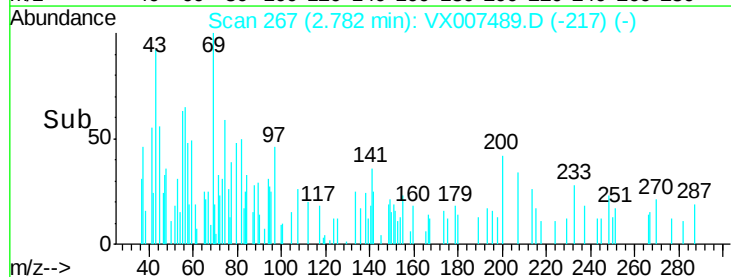
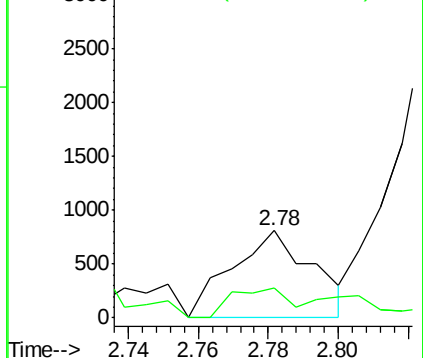
43 100

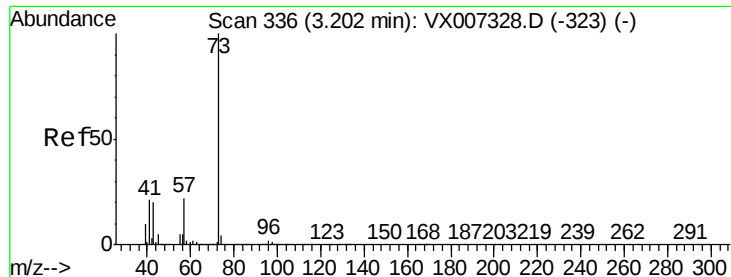
74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

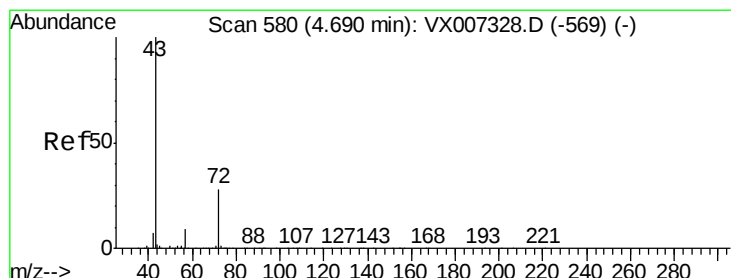
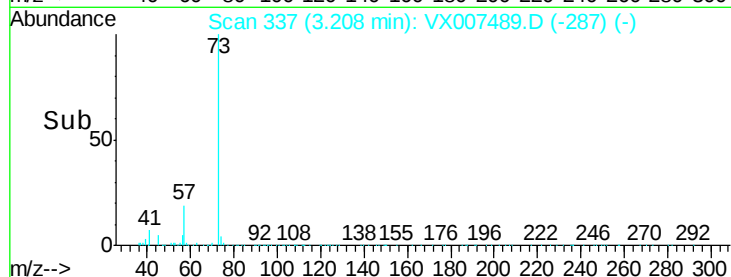
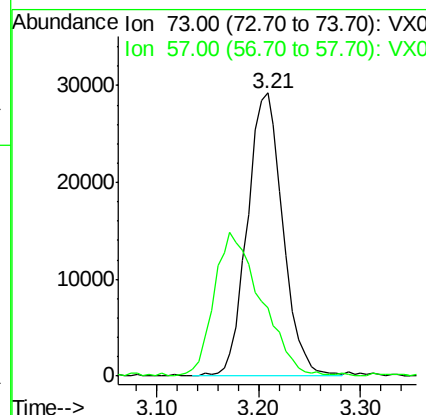
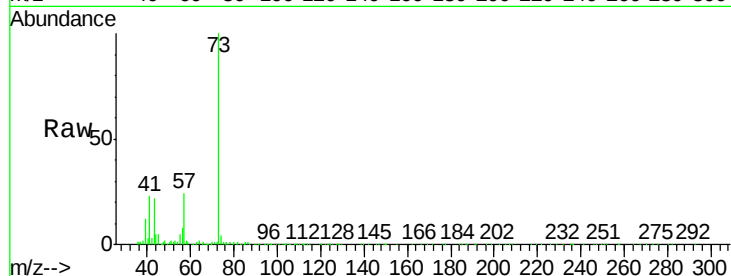




#19
Methvl tert-butvl Ether
Concen: 4.456 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

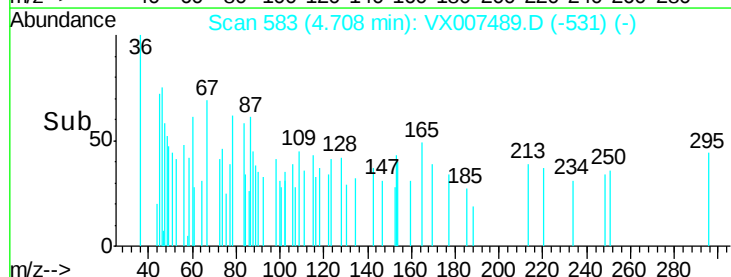
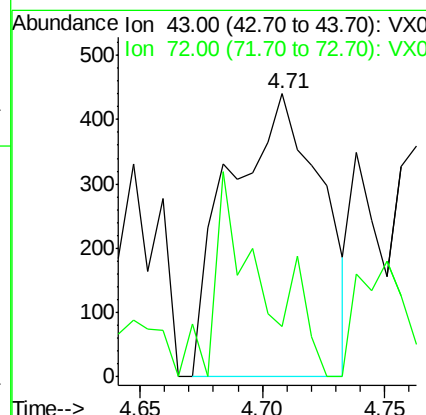
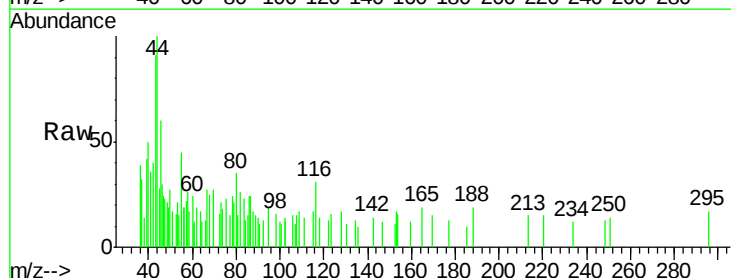
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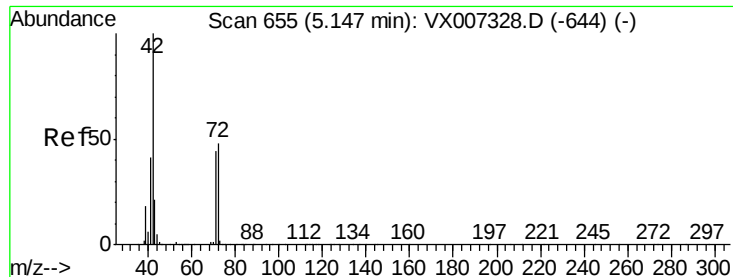
Tot Ion: 73 Resp: 70912
Ion Ratio Lower Upper
73 100
57 23.2 17.8 26.8



#25
2-Butanone
Concen: 0.325 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
72 17.7 22.2 33.2#

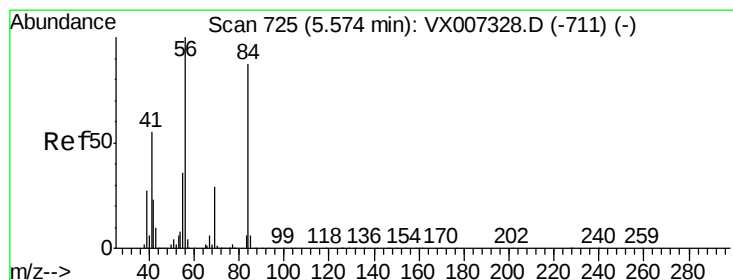
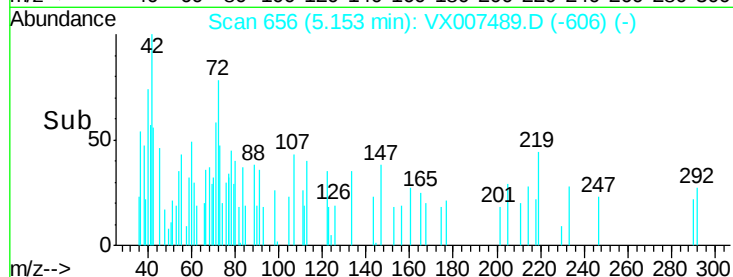
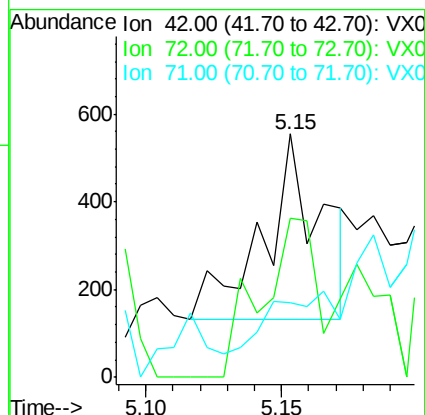
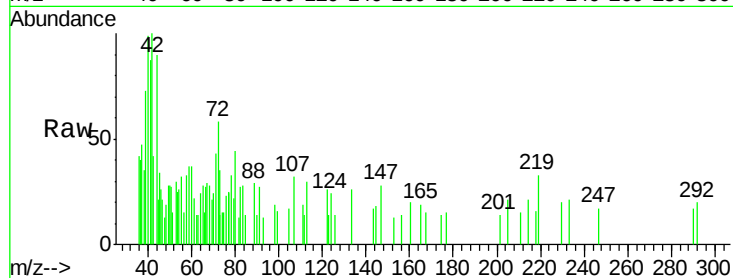




#29
Tetrahydrofuran
Concen: 0.280 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

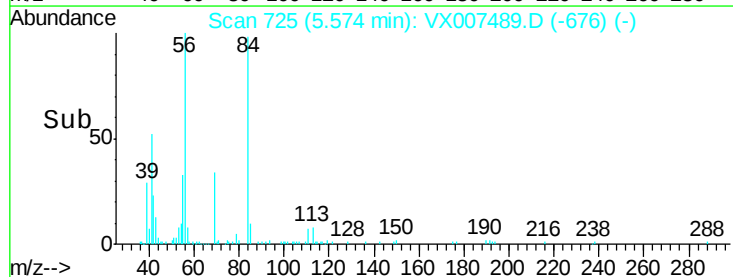
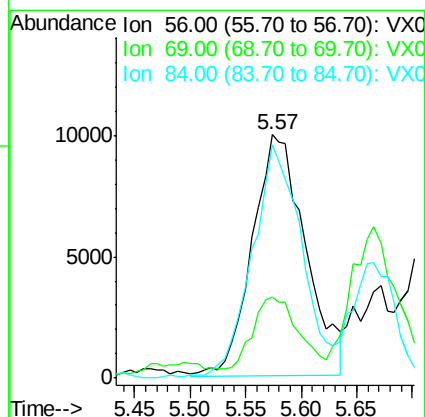
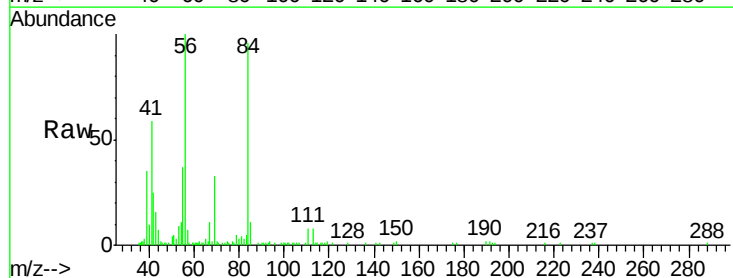
Instrument :
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KY001MW022-190207DL

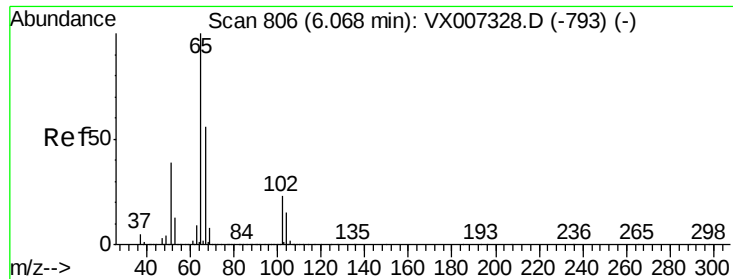
Tot Ion: 42 Resp: 627
Ion Ratio Lower Upper
42 100
72 80.2 37.6 56.4#
71 29.3 34.6 51.8#



#31
Cyclohexane
Concen: 4.389 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

Tgt Ion: 56 Resp: 33323
Ion Ratio Lower Upper
56 100
69 27.6 23.0 34.6
84 96.1 69.8 104.6





#33

1,2-Dichloroethane-d4

Concen: 50.216 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

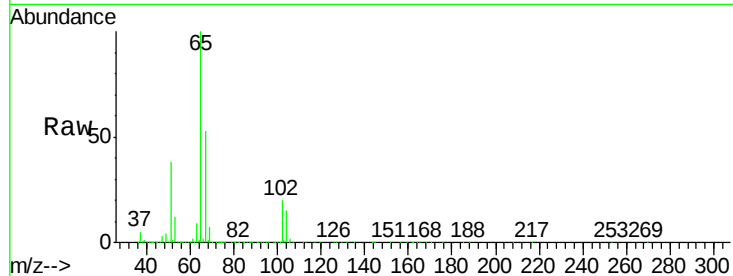
KY001MW022-190207DL

Tot Ion: 65 Resp: 274192

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

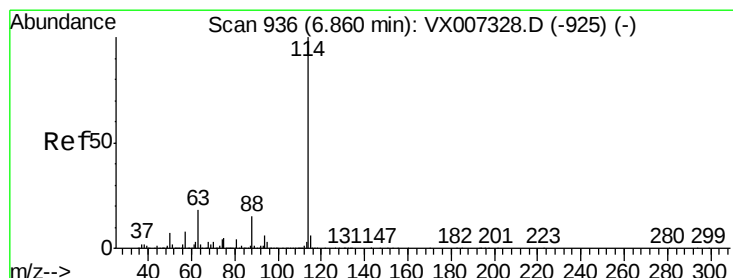
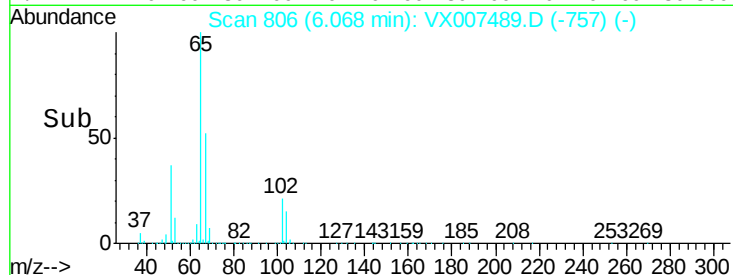
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

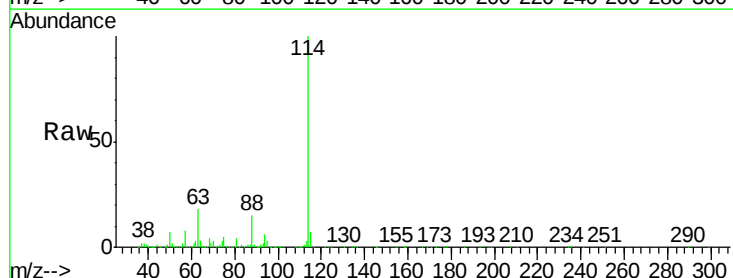
Tgt Ion: 114 Resp: 802831

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 14.6 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

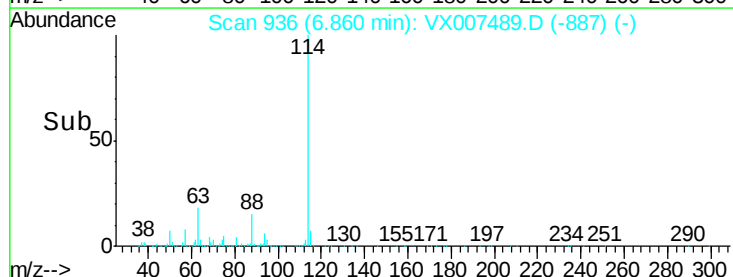
300000

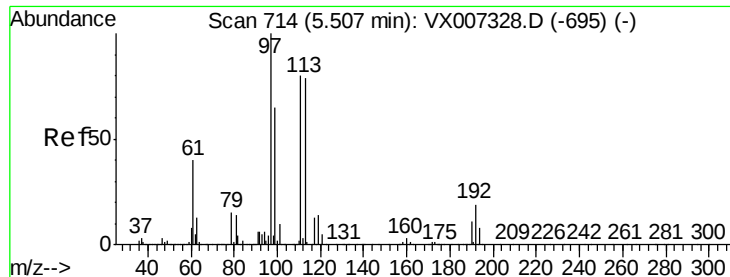
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.510 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

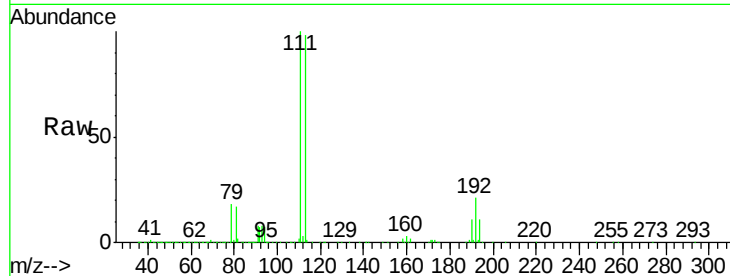
Tot Ion:113 Resp: 253403

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

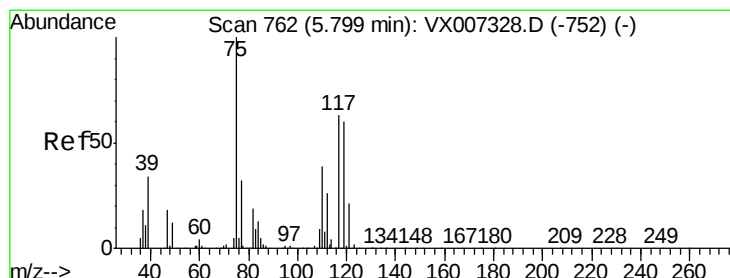
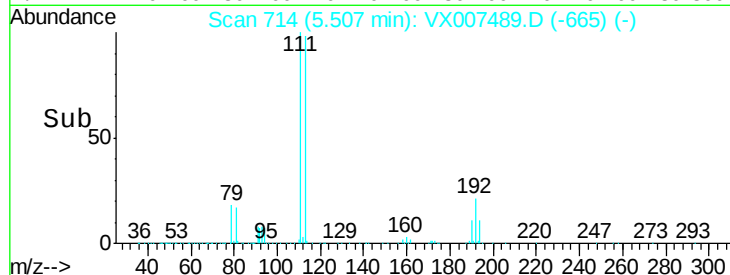
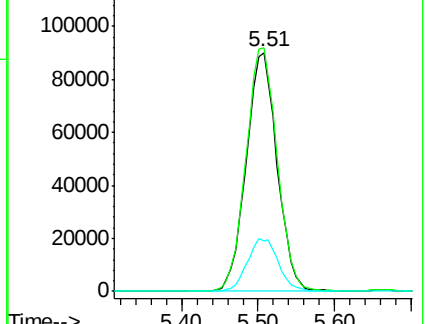
192 22.3 18.5 27.7



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: 4.742 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

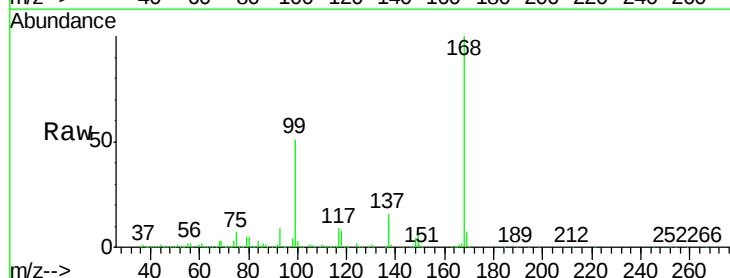
Tgt Ion: 75 Resp: 34156

Ion Ratio Lower Upper

75 100

110 10.1 20.0 59.9#

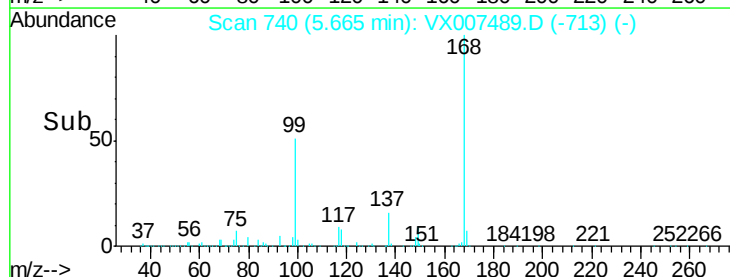
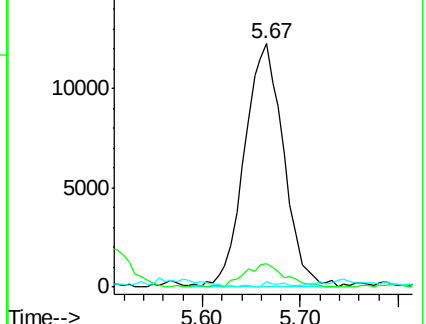
77 1.1 24.7 37.1#

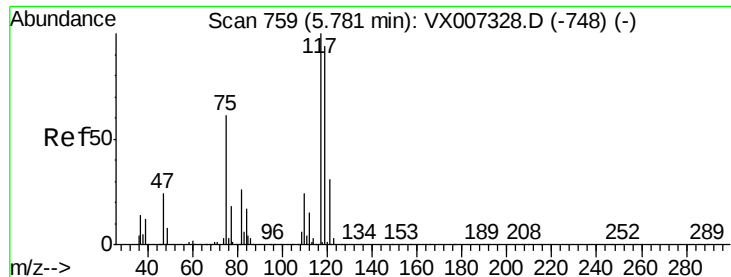


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.807 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

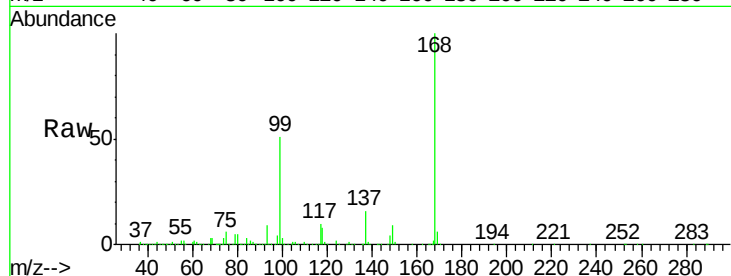
Tot Ion:117 Resp: 47567

Ion Ratio Lower Upper

117 100

119 6.5 75.3 112.9#

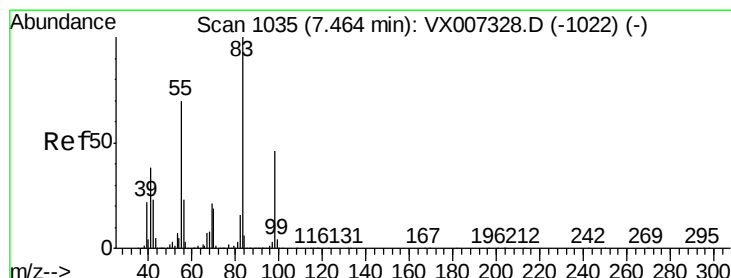
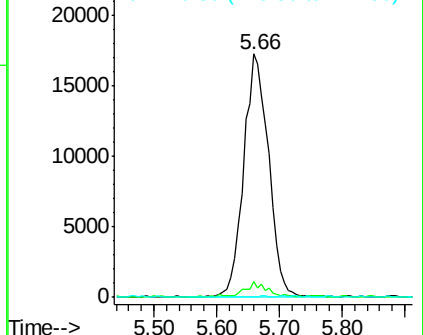
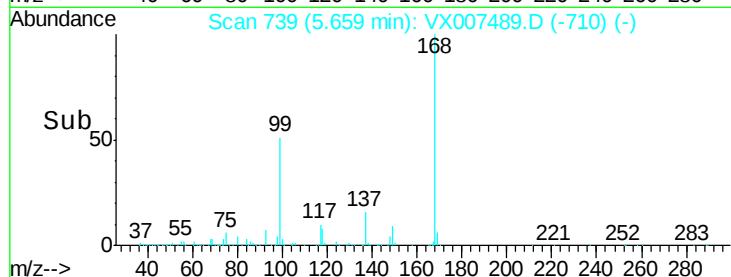
121 0.0 25.0 37.4#



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: 4.078 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

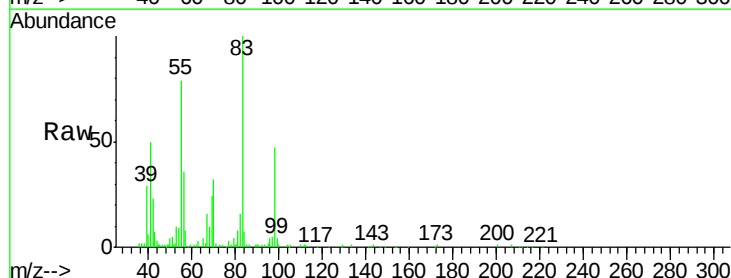
Tgt Ion: 83 Resp: 35540

Ion Ratio Lower Upper

83 100

55 78.2 56.2 84.2

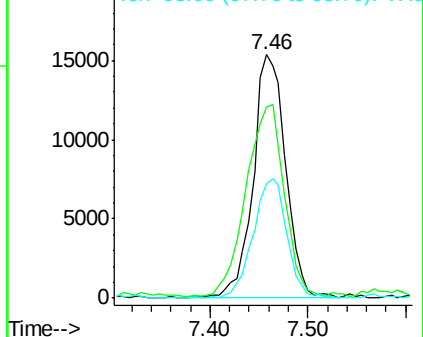
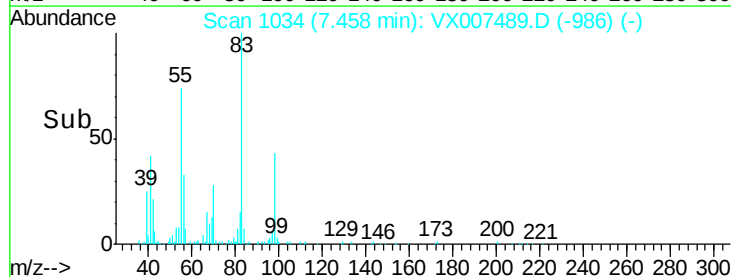
98 46.9 36.8 55.2

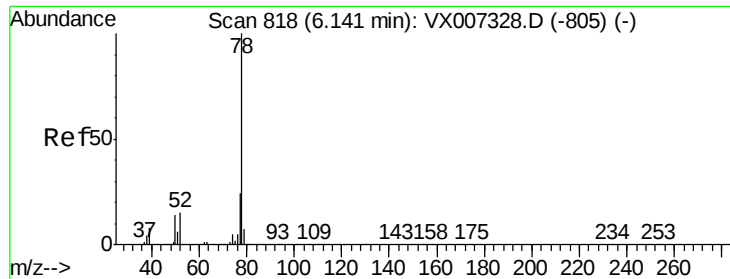


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 27.268 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

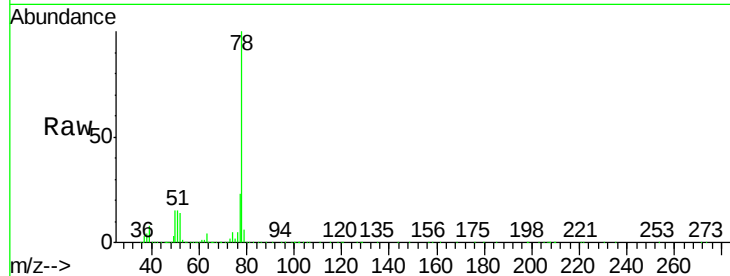
KY001MW022-190207DL

Tot Ion: 78 Resp: 578596

Ion Ratio Lower Upper

78 100

77 23.2 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

250000

200000

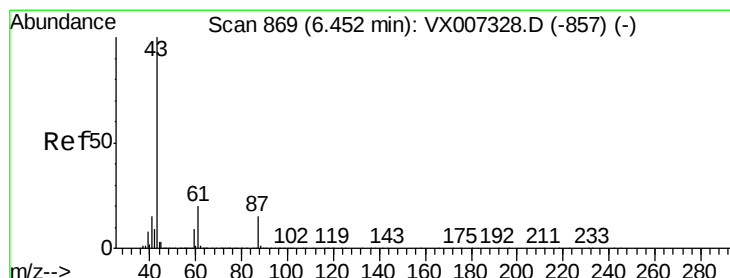
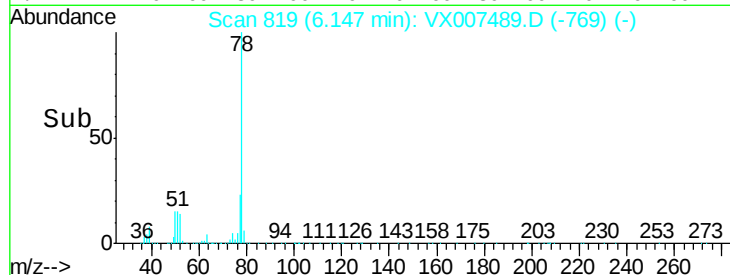
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 0.202 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

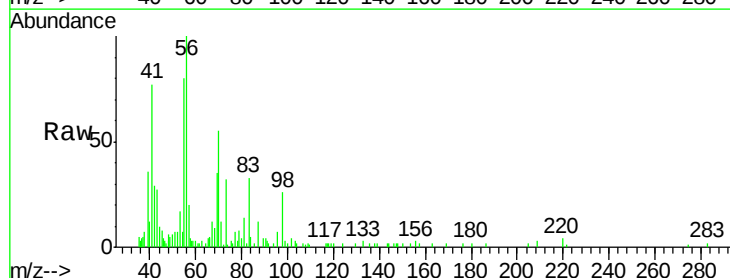
Tgt Ion: 43 Resp: 2270

Ion Ratio Lower Upper

43 100

61 11.3 16.1 24.1#

87 58.5 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

5000

4000

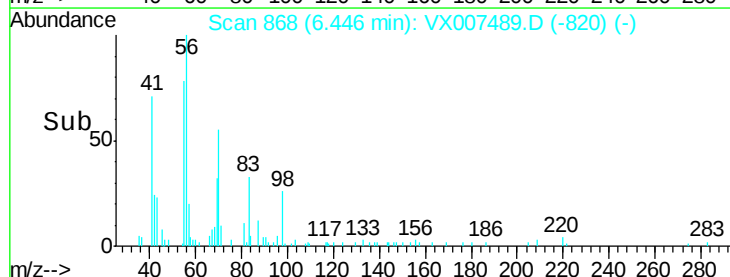
3000

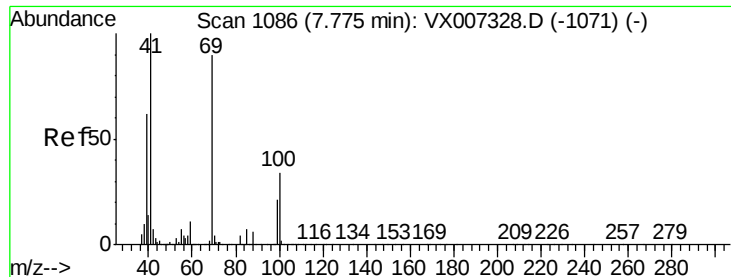
2000

1000

0

Time-->





#48

Methyl methacrylate

Concen: 0.956 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

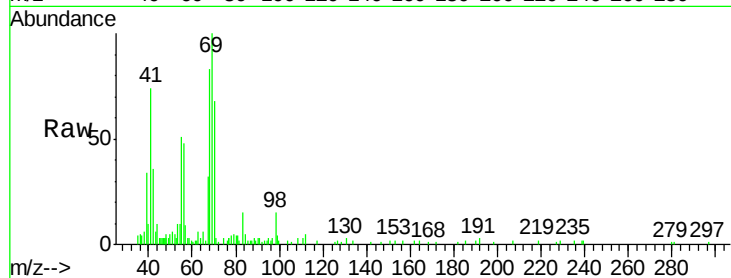
Tot Ion: 41 Resp: 5374

Ion Ratio Lower Upper

41 100

69 154.3 70.2 105.4#

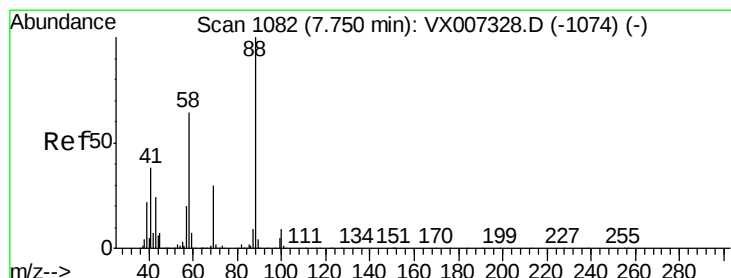
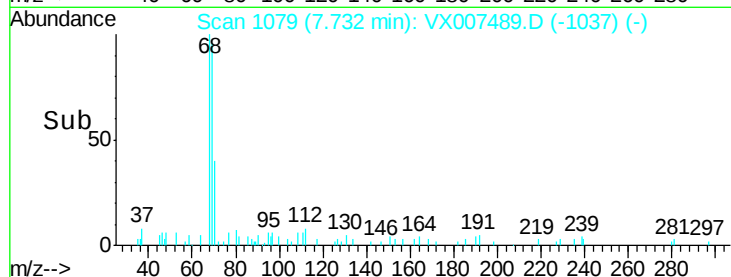
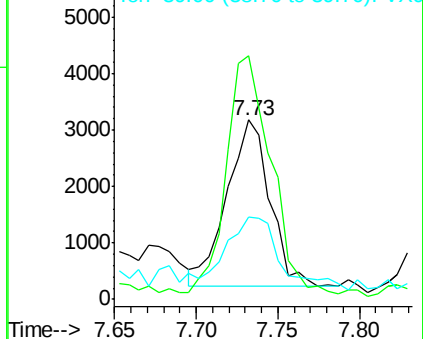
39 55.7 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 8.129 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

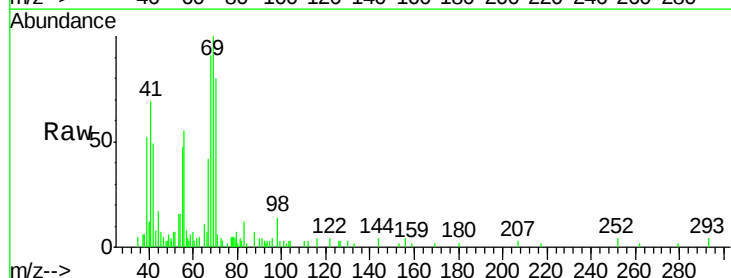
Tgt Ion: 88 Resp: 161

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

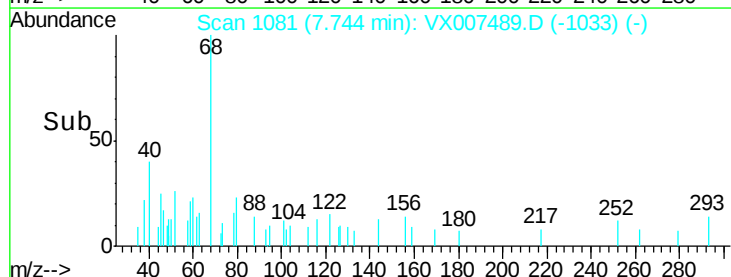
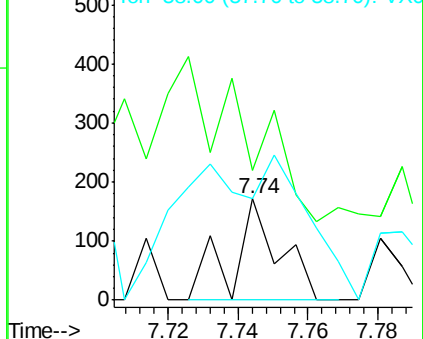
58 0.0 53.0 79.4#

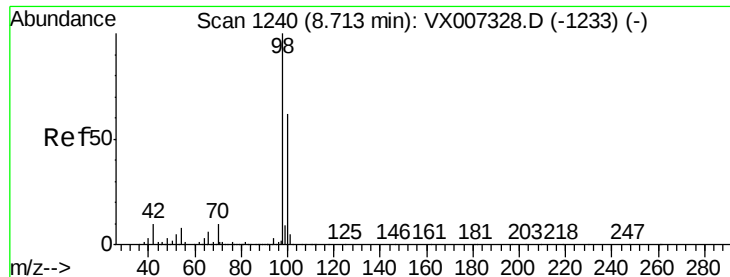


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.540 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

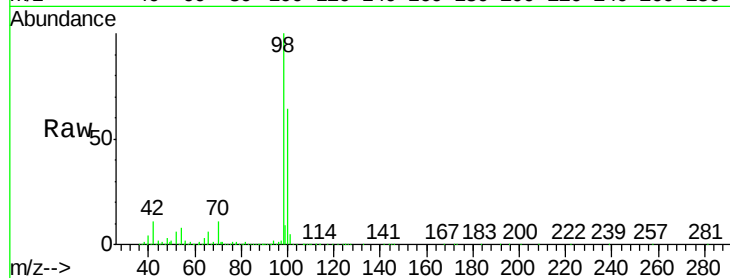
KY001MW022-190207DL

Tot Ion: 98 Resp: 960132

Ion Ratio Lower Upper

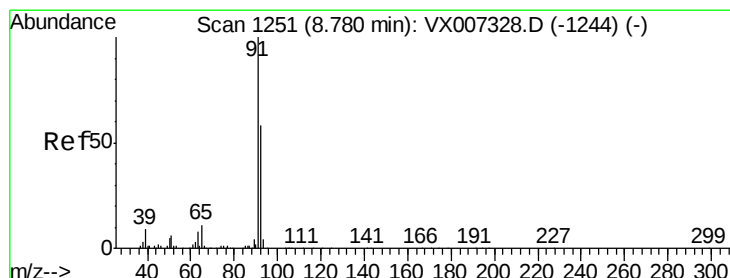
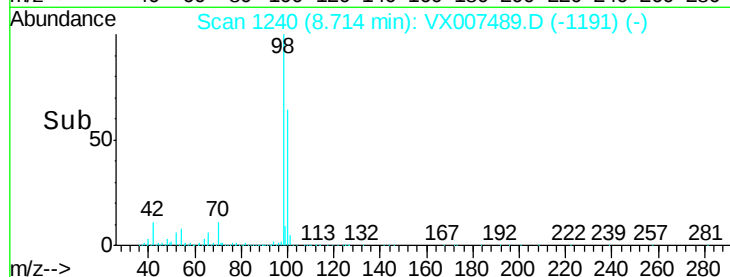
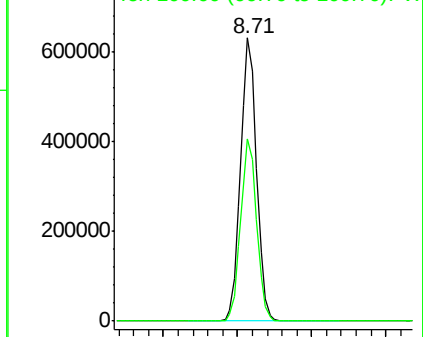
98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 0.864 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007489.D

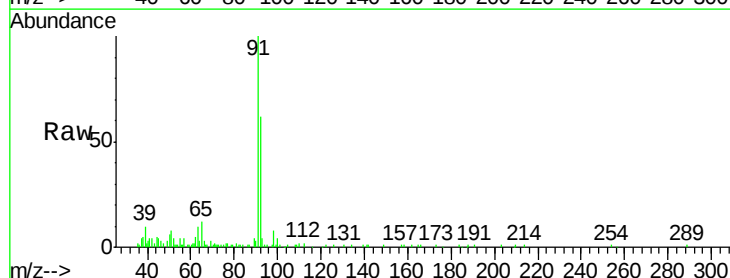
Acq: 12 Feb 2019 15:30

Tgt Ion: 92 Resp: 11826

Ion Ratio Lower Upper

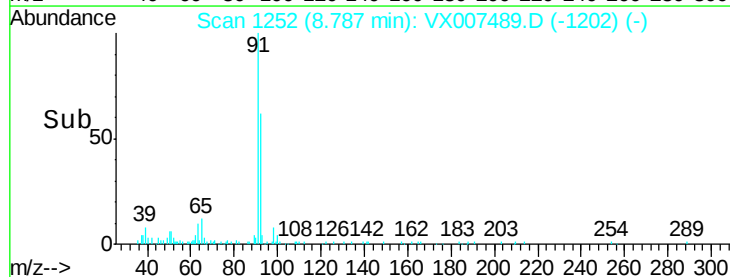
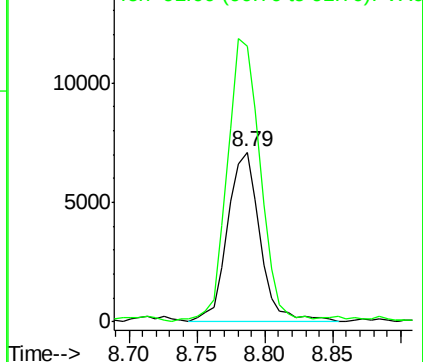
92 100

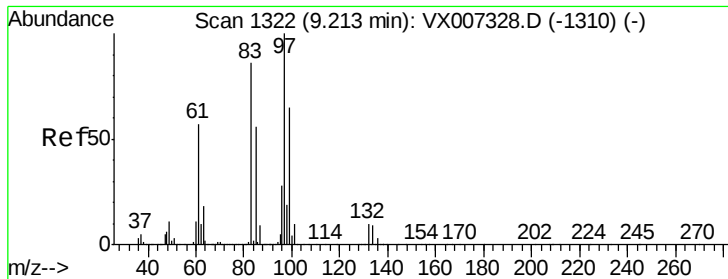
91 171.2 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#55

1,1,2-Trichloroethane

Concen: 0.896 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

Tot Ion: 97 Resp: 5112

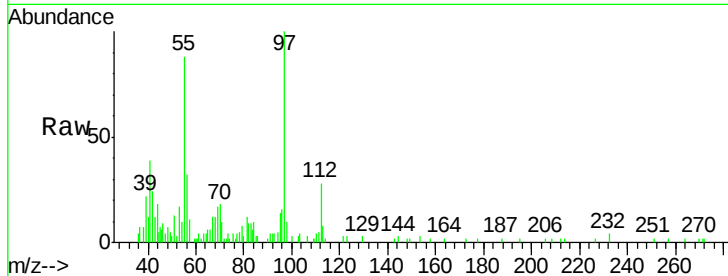
Ion Ratio Lower Upper

97 100

83 11.8 68.6 102.8#

85 0.0 44.5 66.7#

99 0.0 52.2 78.4#

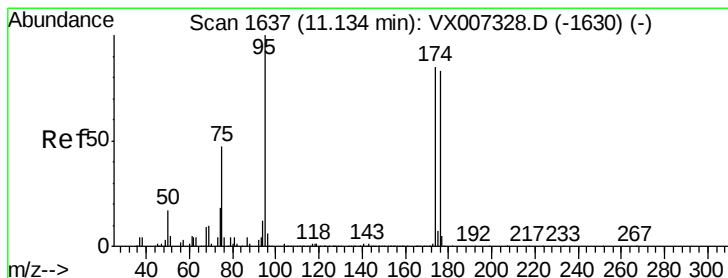
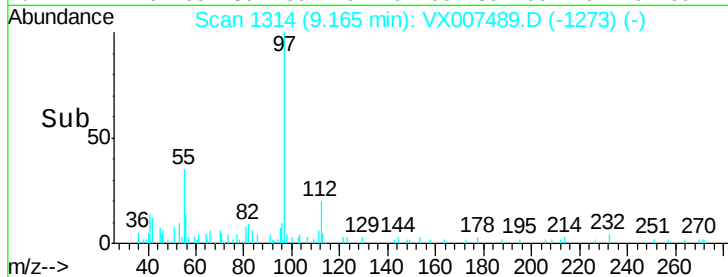
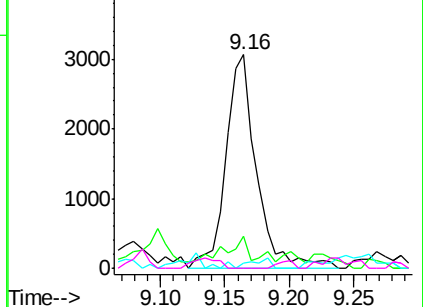


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#62

4-Bromofluorobenzene

Concen: 48.430 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

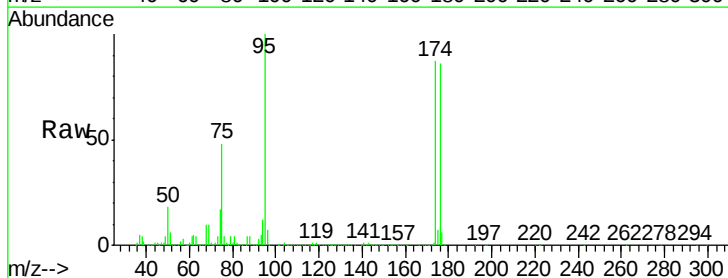
Tgt Ion: 95 Resp: 342689

Ion Ratio Lower Upper

95 100

174 94.3 0.0 189.2

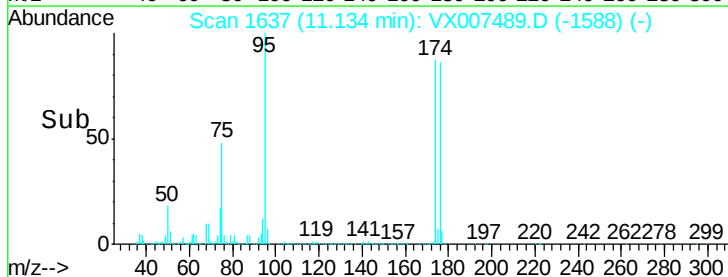
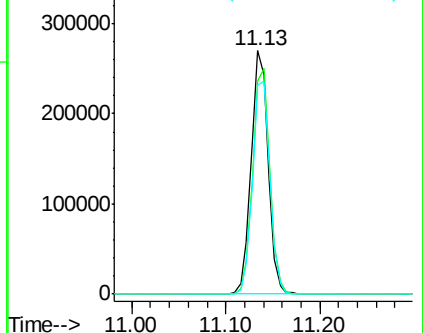
176 90.2 0.0 186.2

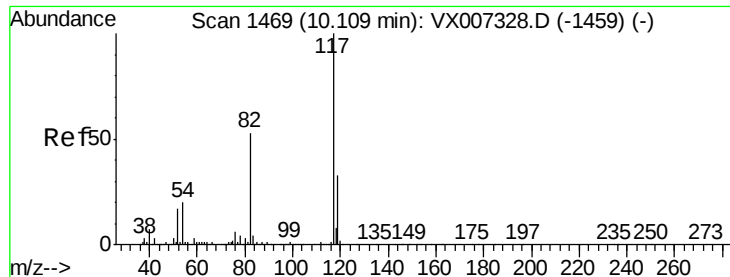


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

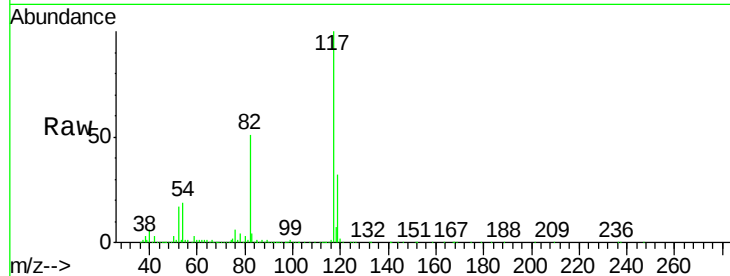




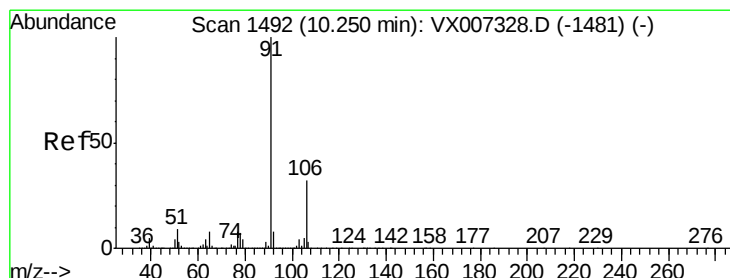
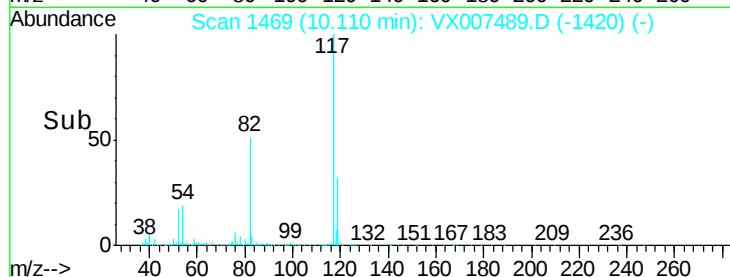
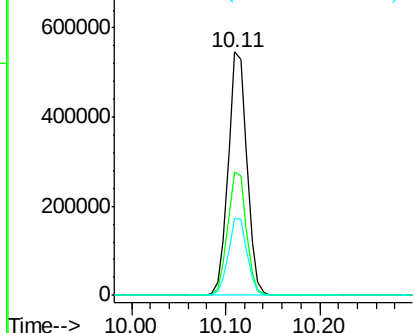
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207DL

Tot Ion:117 Resp: 752316
Ion Ratio Lower Upper
117 100
82 50.5 42.1 63.1
119 31.5 26.5 39.7

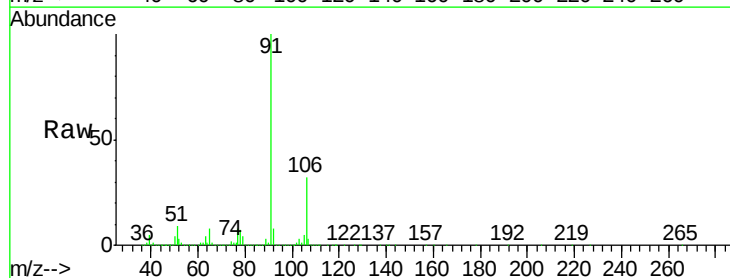


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

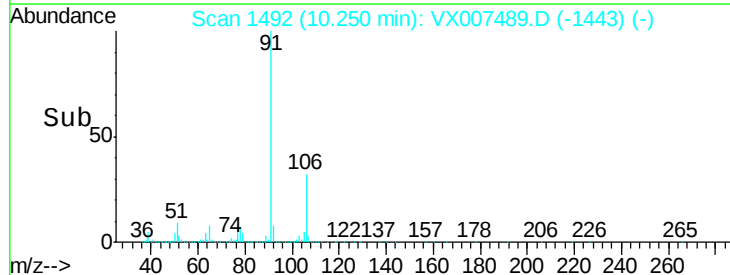
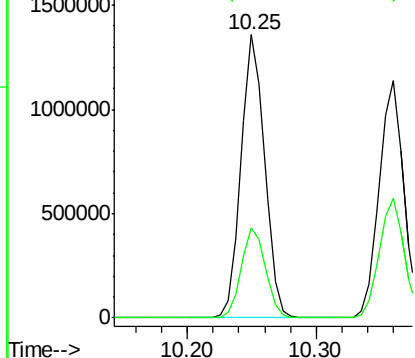


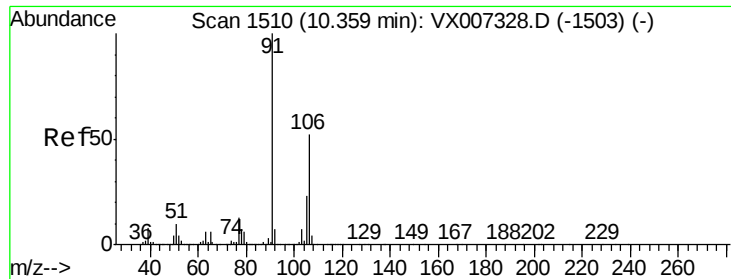
#67
Ethyl Benzene
Concen: 65.058 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

Tgt Ion: 91 Resp: 1719971
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.0



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





#68

m/p-Xylenes

Concen: 72.225 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

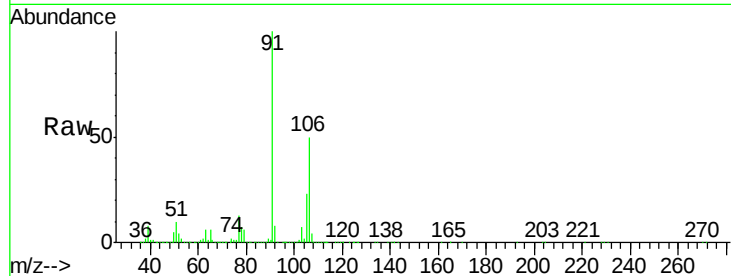
KY001MW022-190207DL

Tot Ion:106 Resp: 759028

Ion Ratio Lower Upper

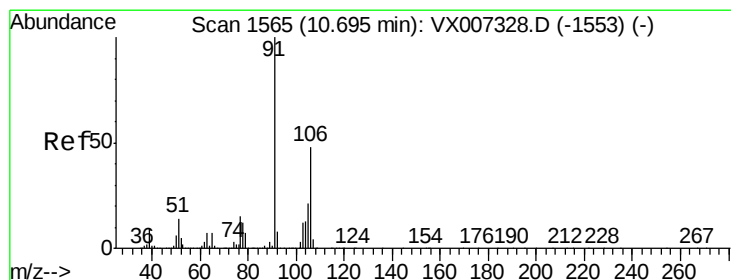
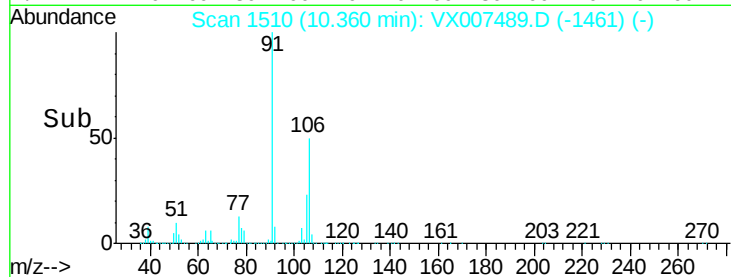
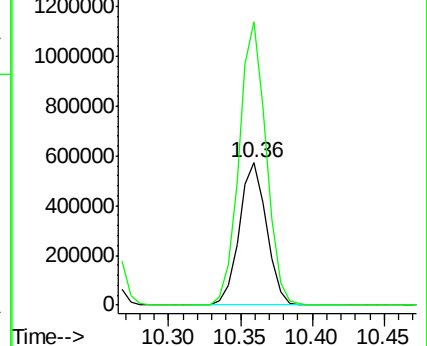
106 100

91 196.4 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 2.532 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007489.D

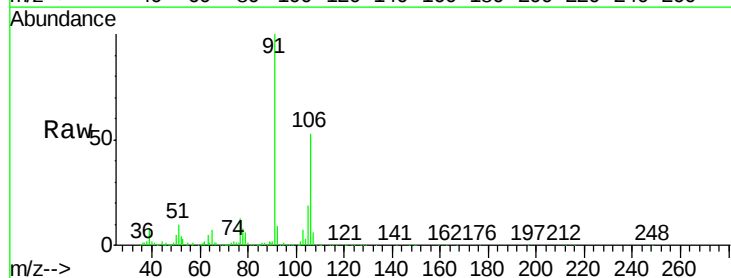
Acq: 12 Feb 2019 15:30

Tgt Ion:106 Resp: 25609

Ion Ratio Lower Upper

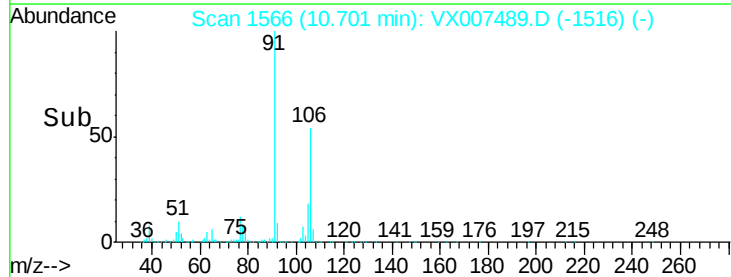
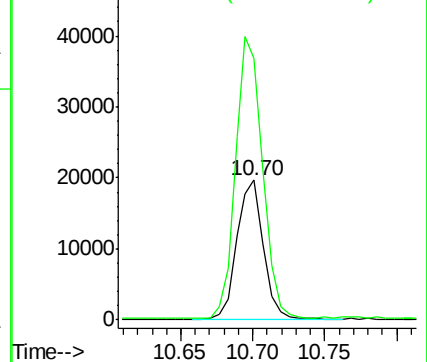
106 100

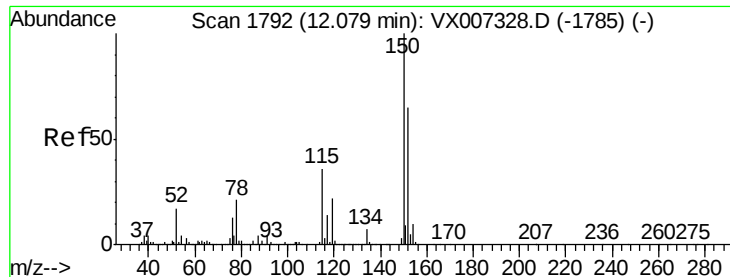
91 202.5 102.9 308.7



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: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

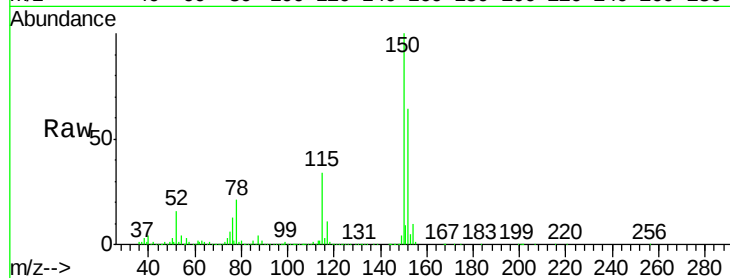
Tot Ion:152 Resp: 374442

Ion Ratio Lower Upper

152 100

115 54.4 38.0 114.0

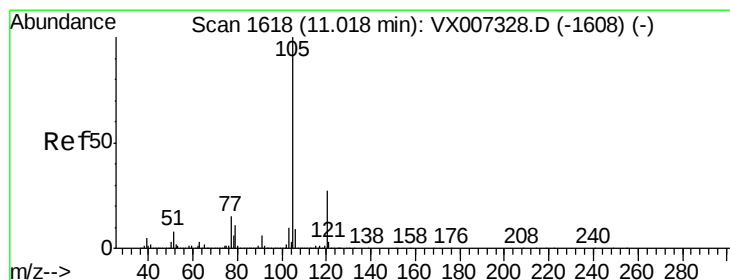
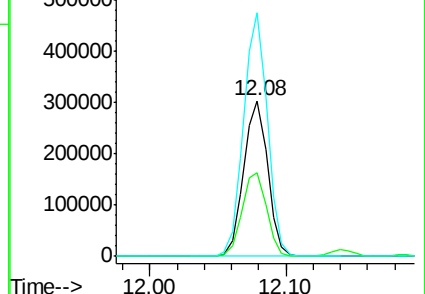
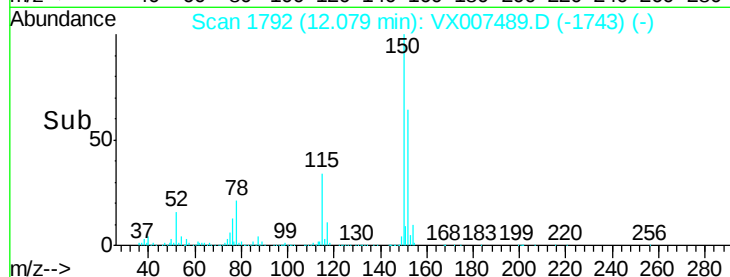
150 154.7 0.0 346.4



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: 10.927 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007489.D

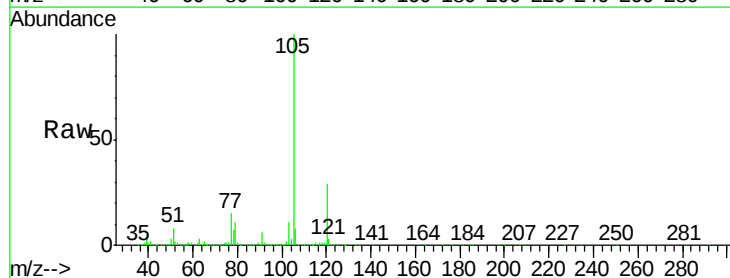
Acq: 12 Feb 2019 15:30

Tgt Ion:105 Resp: 278042

Ion Ratio Lower Upper

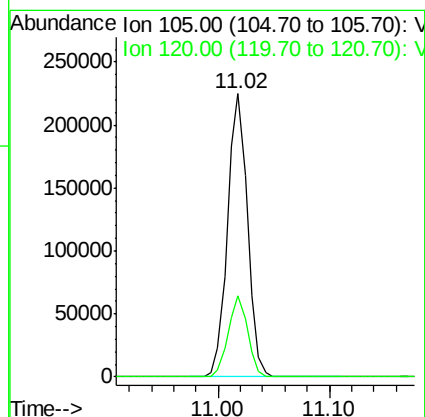
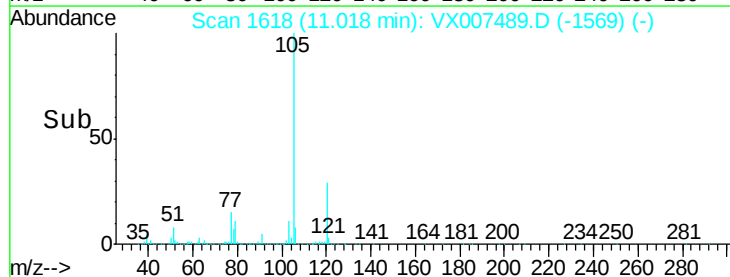
105 100

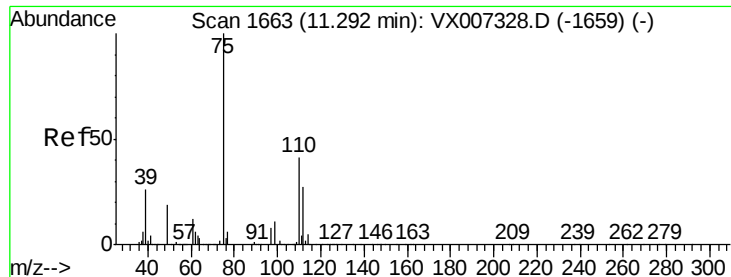
120 28.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 22.526 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

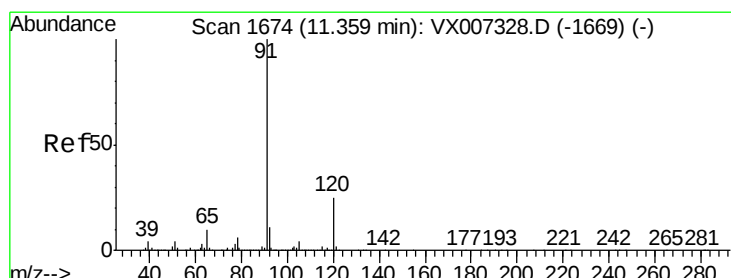
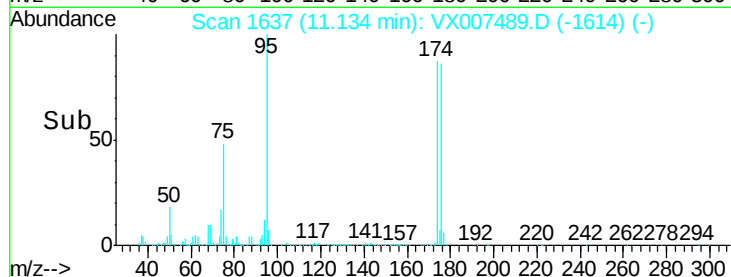
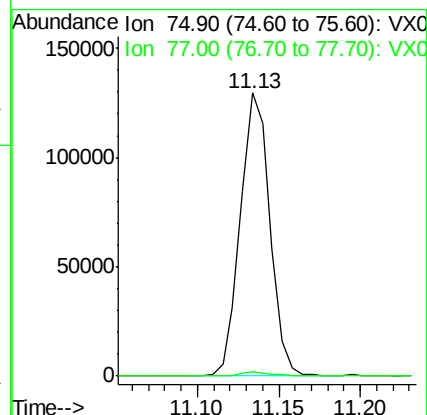
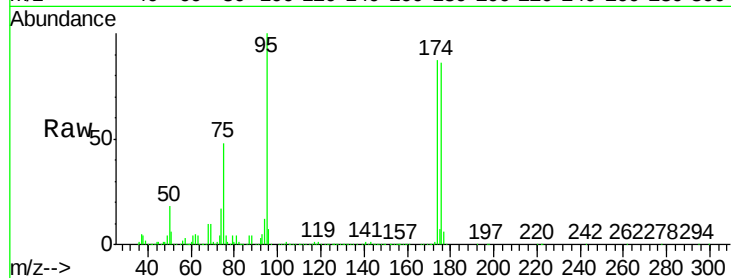
KY001MW022-190207DL

Tot Ion: 75 Resp: 164062

Ion Ratio Lower Upper

75 100

77 0.0 23.0 69.0#



#78

n-propylbenzene

Concen: 10.171 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007489.D

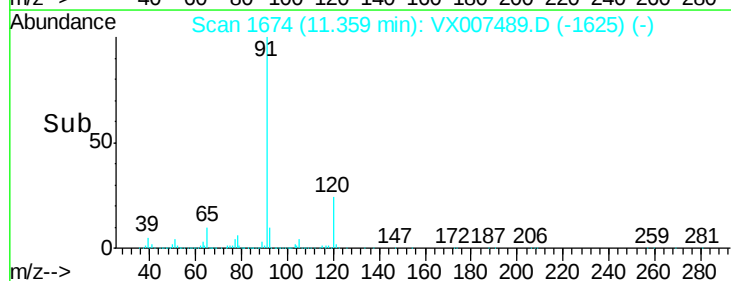
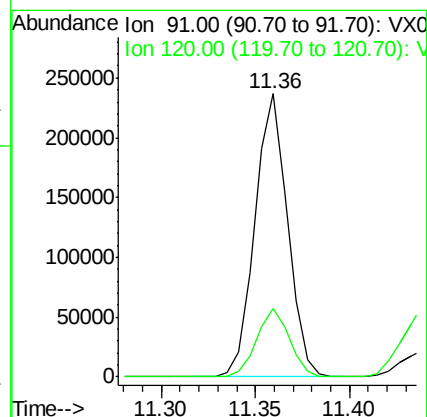
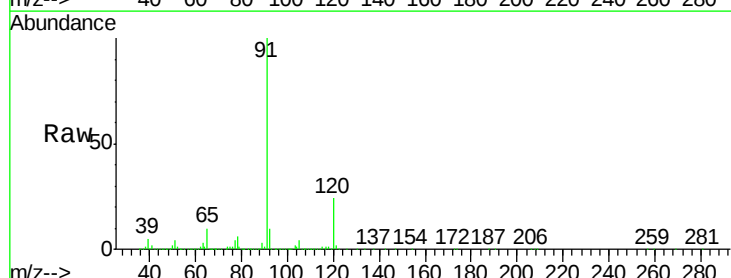
Acq: 12 Feb 2019 15:30

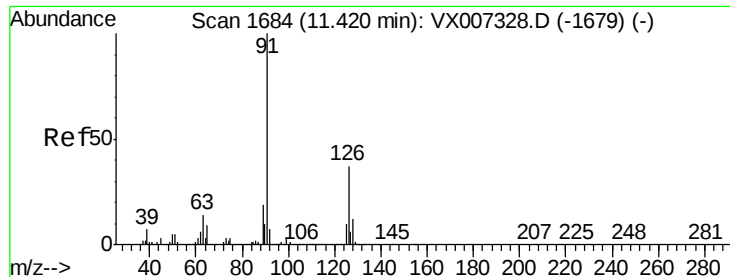
Tgt Ion: 91 Resp: 283809

Ion Ratio Lower Upper

91 100

120 24.2 12.4 37.2

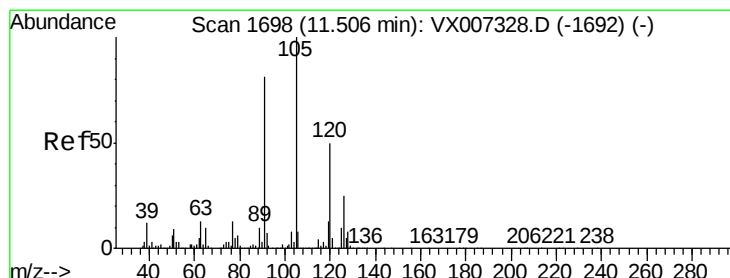
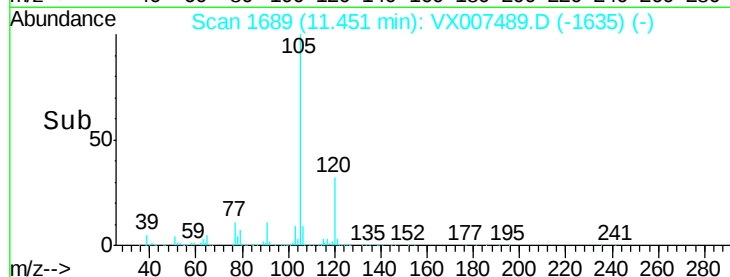
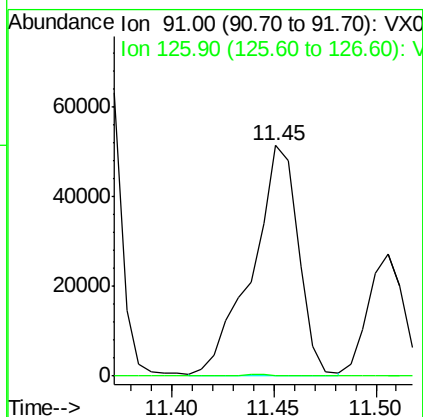
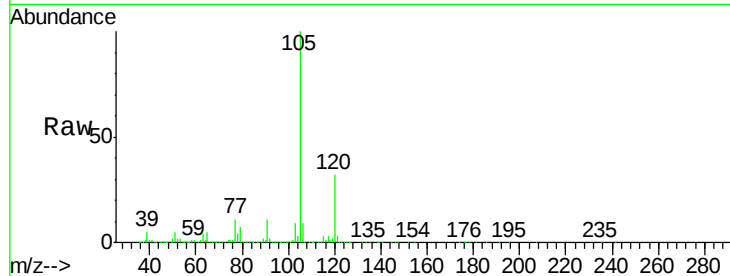




#79
 2-Chlorotoluene
 Concen: 4.805 ug/l
 RT: 11.45 min Scan# 1689
 Delta R.T. 0.03 min
 Lab File: VX007489.D
 Acq: 12 Feb 2019 15:30

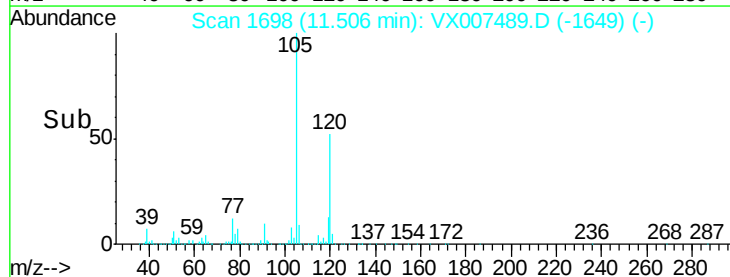
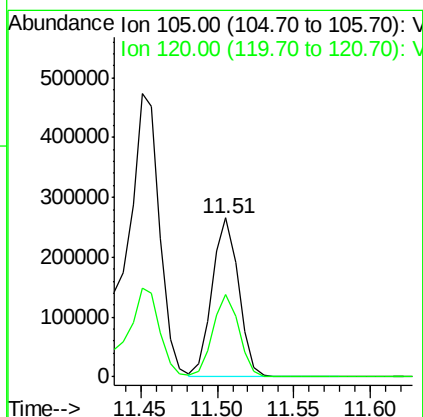
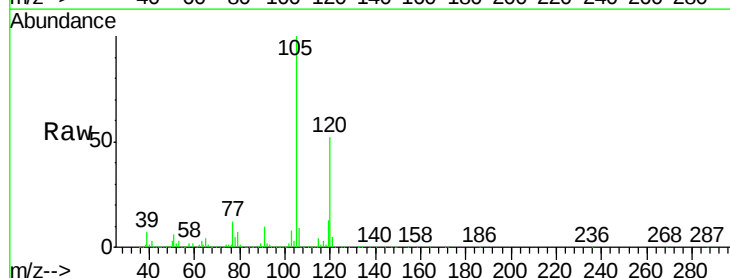
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207DL

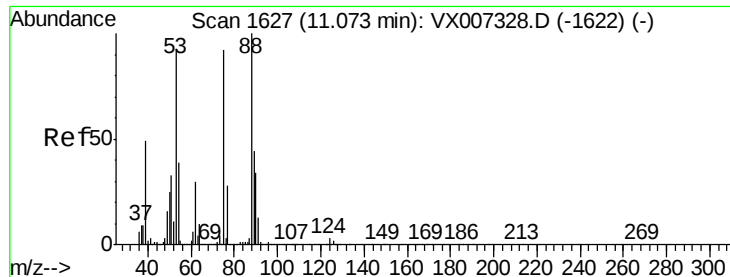
Tot Ion: 91 Resp: 81346
 Ion Ratio Lower Upper
 91 100
 126 0.5 18.7 56.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 15.481 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007489.D
 Acq: 12 Feb 2019 15:30

Tgt Ion: 105 Resp: 322267
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 67.965 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

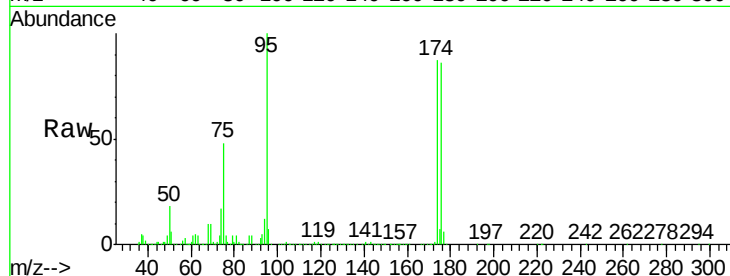
Tot Ion: 75 Resp: 164062

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

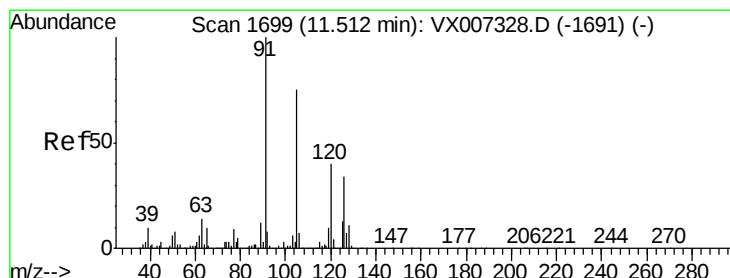
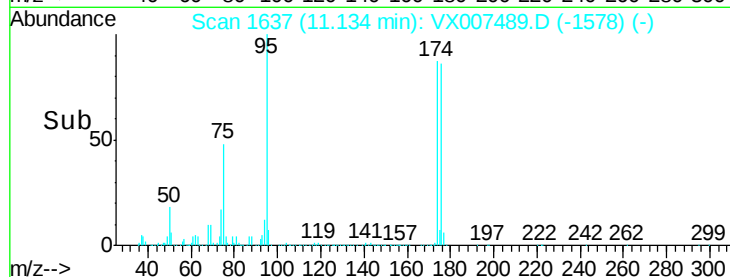
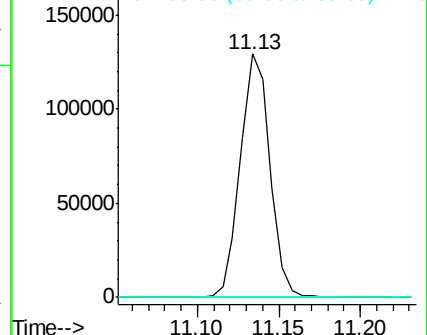
89 0.0 41.4 62.0#



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: 1.693 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007489.D

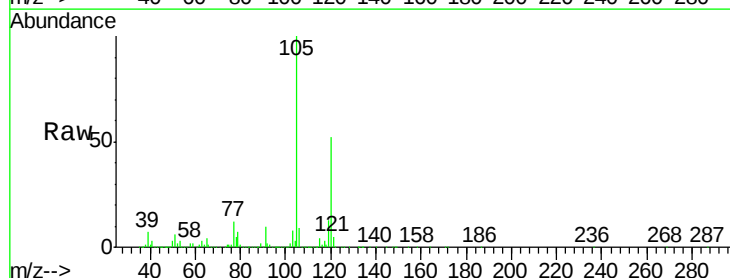
Acq: 12 Feb 2019 15:30

Tgt Ion: 91 Resp: 33165

Ion Ratio Lower Upper

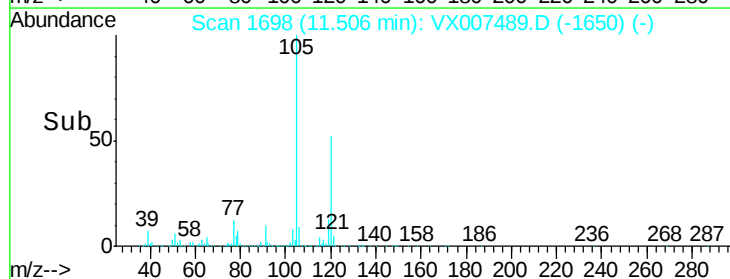
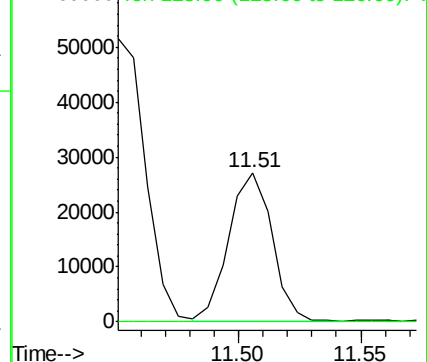
91 100

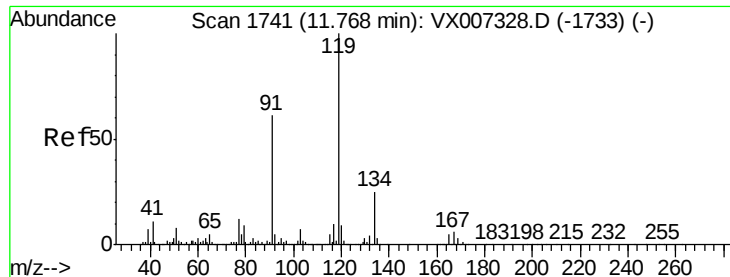
126 0.5 16.2 48.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.307 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

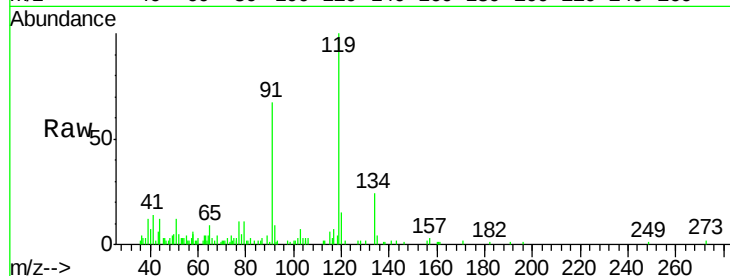
Tot Ion:119 Resp: 6323

Ion Ratio Lower Upper

119 100

91 67.4 28.5 85.6

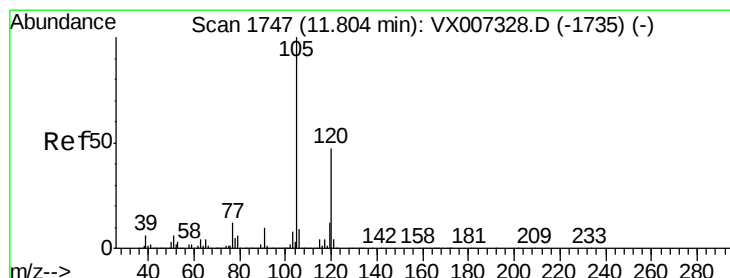
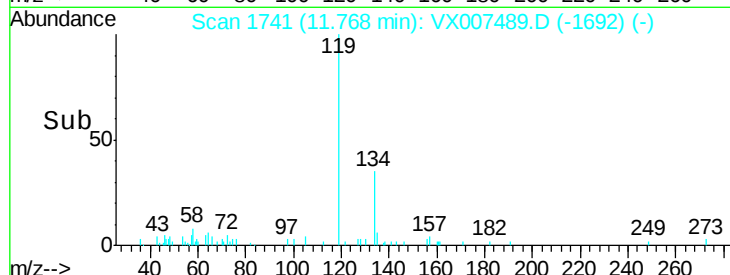
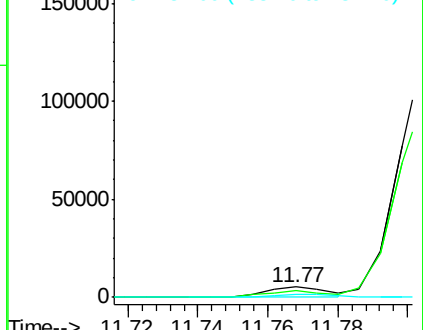
134 30.2 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.866 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007489.D

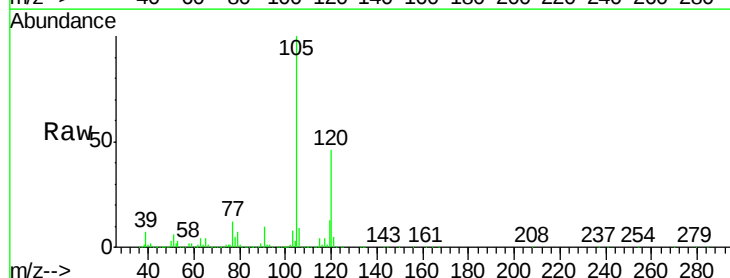
Acq: 12 Feb 2019 15:30

Tgt Ion:105 Resp: 1180710

Ion Ratio Lower Upper

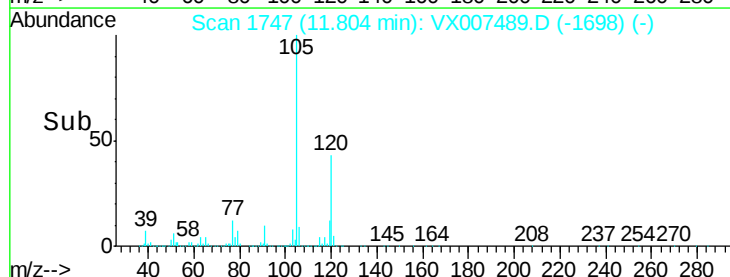
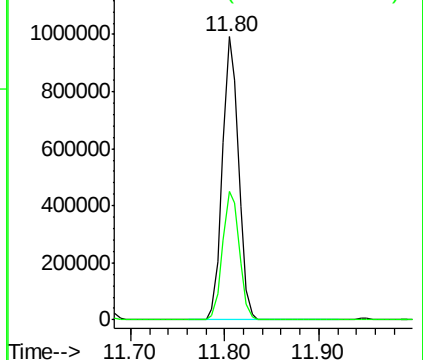
105 100

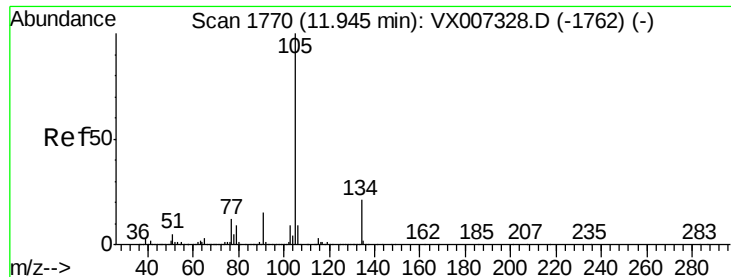
120 47.1 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

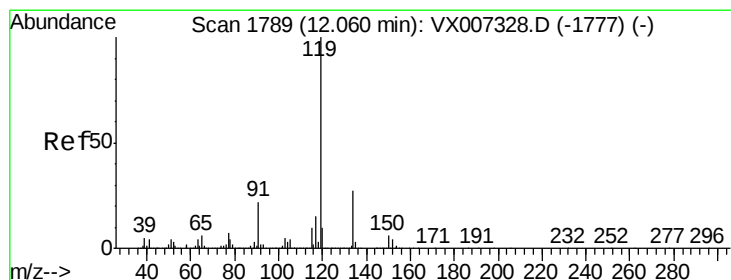
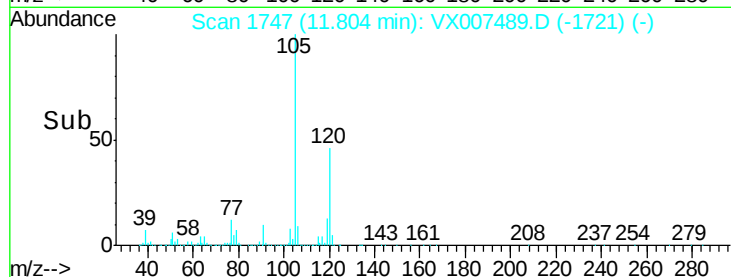
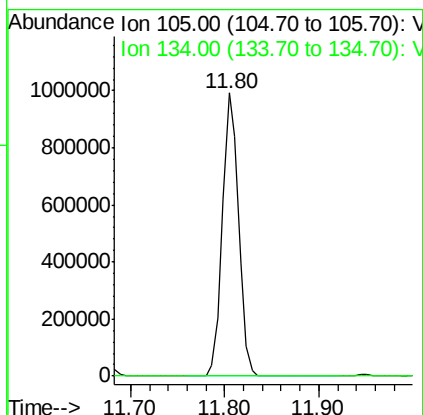
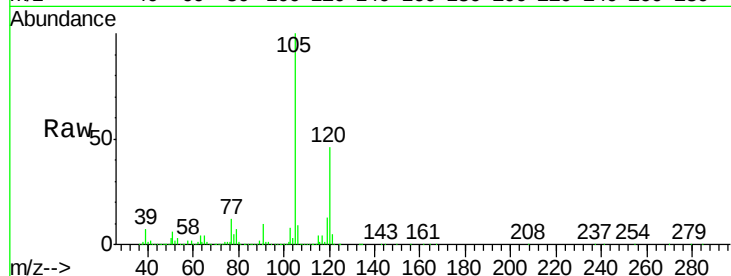




#85
 sec-Butylbenzene
 Concen: 47.332 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.14 min
 Lab File: VX007489.D
 Acq: 12 Feb 2019 15:30

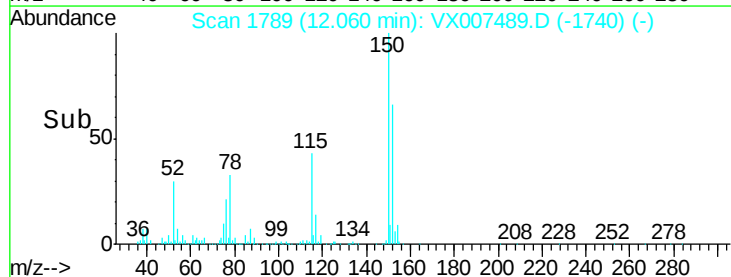
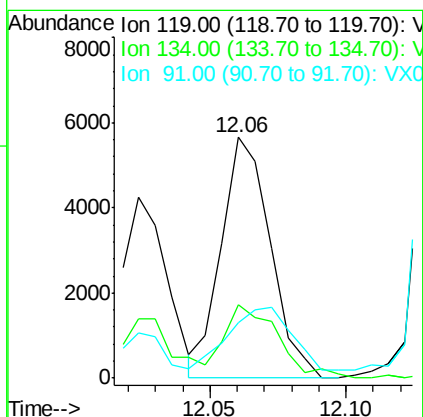
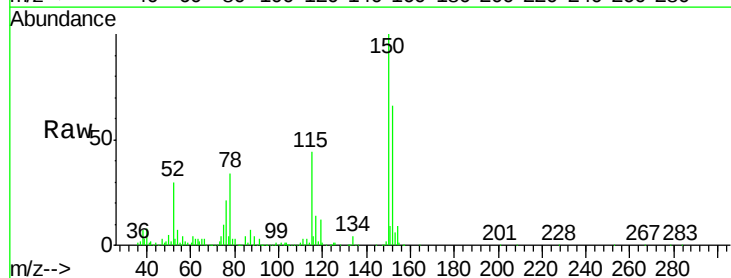
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207DL

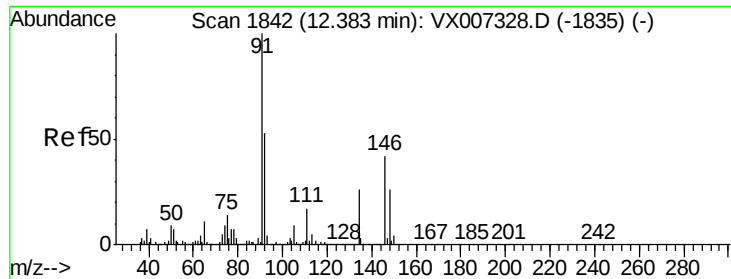
Tot Ion:105 Resp: 1180710
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.6 31.8#



#86
 p-Isopropyltoluene
 Concen: 0.314 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007489.D
 Acq: 12 Feb 2019 15:30

Tgt Ion:119 Resp: 7076
 Ion Ratio Lower Upper
 119 100
 134 32.8 13.7 41.1
 91 0.0 11.2 33.5#

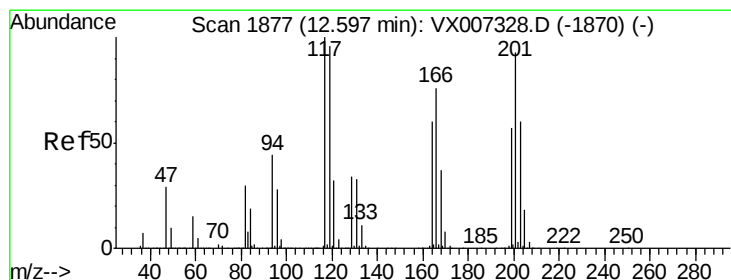
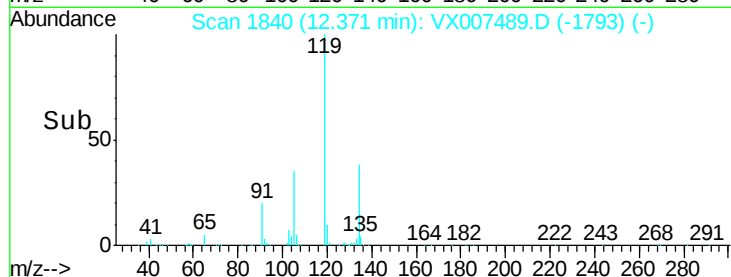
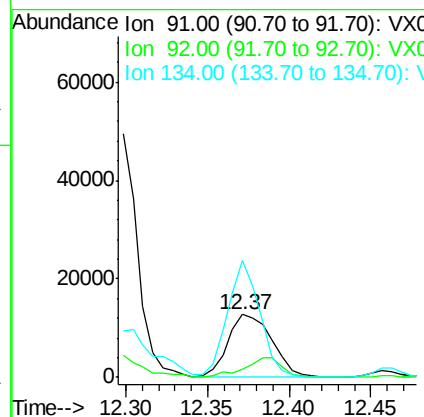
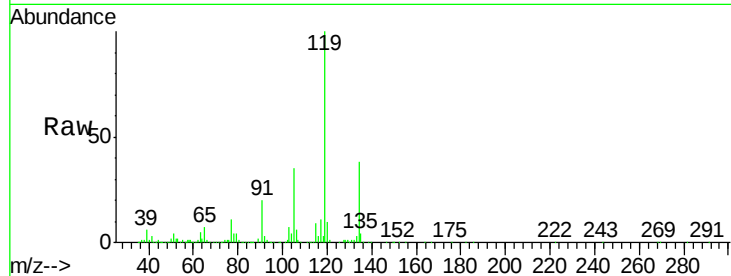




#89
n-Butylbenzene
Concen: 1.216 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

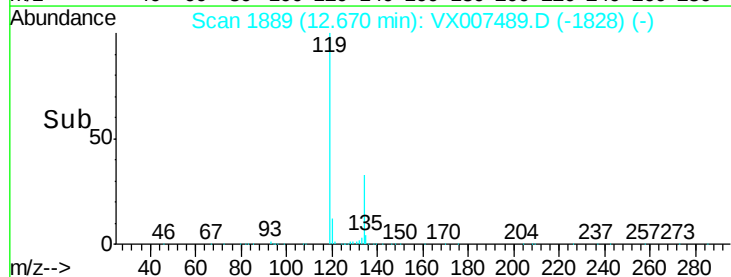
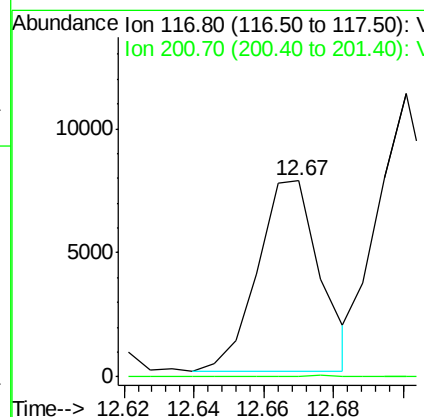
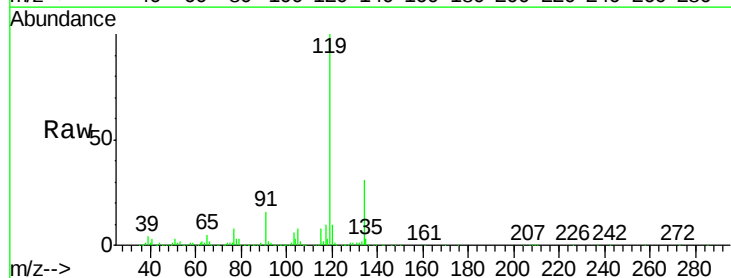
Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207DL

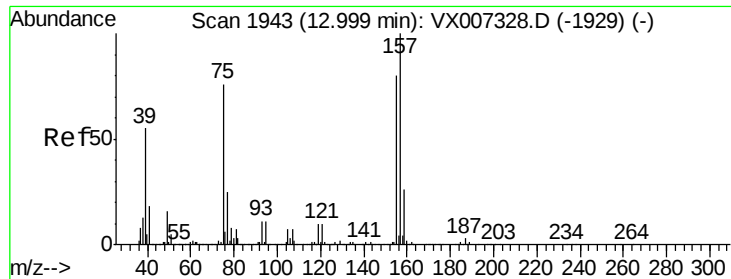
Tot Ion: 91 Resp: 23560
Ion Ratio Lower Upper
91 100
92 27.8 26.3 78.9
134 139.0 13.9 41.6#



#90
Hexachloroethane
Concen: 2.831 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

Tgt Ion: 117 Resp: 9540
Ion Ratio Lower Upper
117 100
201 0.2 44.9 134.7#

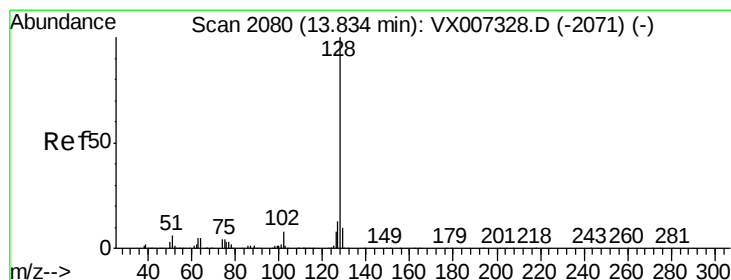
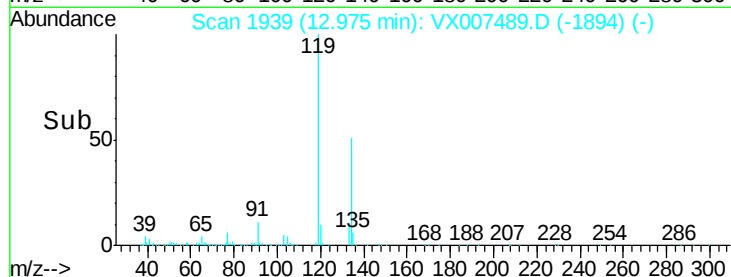
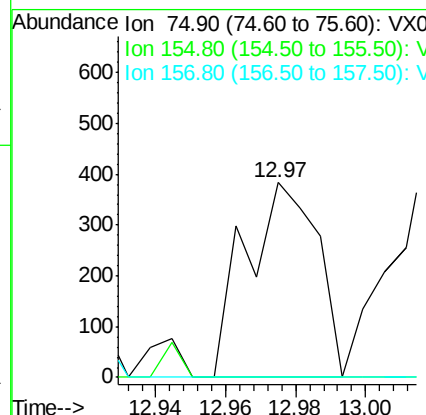
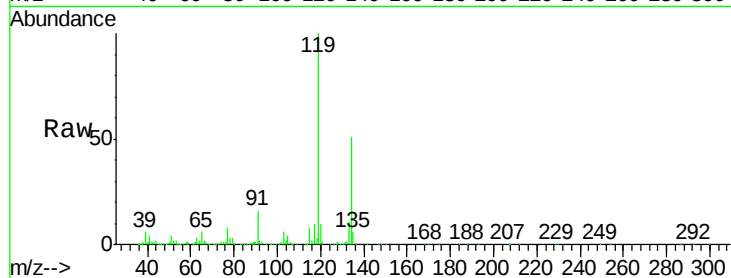




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.338 ug/l
 RT: 12.97 min Scan# 1939
 Delta R.T. -0.02 min
 Lab File: VX007489.D
 Acq: 12 Feb 2019 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207DL

Tot Ion: 75 Resp: 545
 Ion Ratio Lower Upper
 75 100
 155 0.0 49.6 149.0#
 157 0.0 65.1 195.3#



#95
 Naphthalene
 Concen: 13.891 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX007489.D
 Acq: 12 Feb 2019 15:30

Tgt Ion: 128 Resp: 350776
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.5 15.7
 129 11.0 8.7 13.1

