

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006702.D
 Acq On : 21 Dec 2018 03:48
 Operator : JC/MD
 Sample : J6517-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-2-9.0-121918

Quant Time: Dec 21 07:48:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	625369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	976881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	922895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	451009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	333706	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	5.50	113	289665	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	8.71	98	1190139	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.13	95	439814	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	628	Below Cal	#	77
6) Chloroethane	1.60	64	24197	5.429	ug/l #	45
11) Tert butyl alcohol	3.06	59	2576	1.713	ug/l #	72
14) Allyl chloride	2.84	41	12774	1.358	ug/l #	69
15) Acrylonitrile	3.17	53	3497	1.047	ug/l #	53
16) Acetone	2.45	43	41900	13.531	ug/l	99
18) Methyl Acetate	2.85	43	33005	3.625	ug/l #	53
19) Methyl tert-butyl Ether	3.20	73	18810	1.014	ug/l #	1
20) Methylene Chloride	2.86	84	1571	0.245	ug/l #	58
25) 2-Butanone	4.70	43	1173	0.269	ug/l #	50
27) cis-1,2-Dichloroethene	4.60	96	2357	0.345	ug/l	93
28) Bromochloromethane	5.01	49	278	Below Cal	#	4
31) Cyclohexane	5.58	56	71810	7.696	ug/l #	91
36) 1,1-Dichloropropene	5.66	75	41491	5.128	ug/l #	49
38) Carbon Tetrachloride	5.67	117	57585	7.324	ug/l #	14
39) Methylcyclohexane	7.46	83	223965	21.026	ug/l	97
40) Benzene	6.14	78	11828	0.481	ug/l	91
41) Methacrylonitrile	5.05	41	3015	0.674	ug/l #	36
43) Isopropyl Acetate	6.46	43	7503	0.586	ug/l #	64
44) Trichloroethene	7.21	130	8675	1.165	ug/l	86
46) Dibromomethane	7.64	93	1336	0.303	ug/l #	1
47) Bromodichloromethane	7.84	83	3582	0.490	ug/l #	60
48) Methyl methacrylate	7.73	41	32936	5.055	ug/l #	50
49) 1,4-Dioxane	7.76	88	91	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.66	43	4839	0.594	ug/l #	36
52) Toluene	8.79	92	10096	0.635	ug/l	94
55) 1,1,2-Trichloroethane	9.16	97	52766	8.114	ug/l #	19
56) Ethyl methacrylate	9.16	69	15271	1.661	ug/l #	10
60) Dibromochloromethane	9.62	129	90	2.337	ug/l	58
67) Ethyl Benzene	10.26	91	24872	0.780	ug/l	90
68) m/p-Xylenes	10.37	106	3520	0.280	ug/l #	70
69) o-Xylene	10.70	106	4962	0.399	ug/l	88
73) Isopropylbenzene	11.02	105	1213335	39.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	1996	0.218	ug/l #	27

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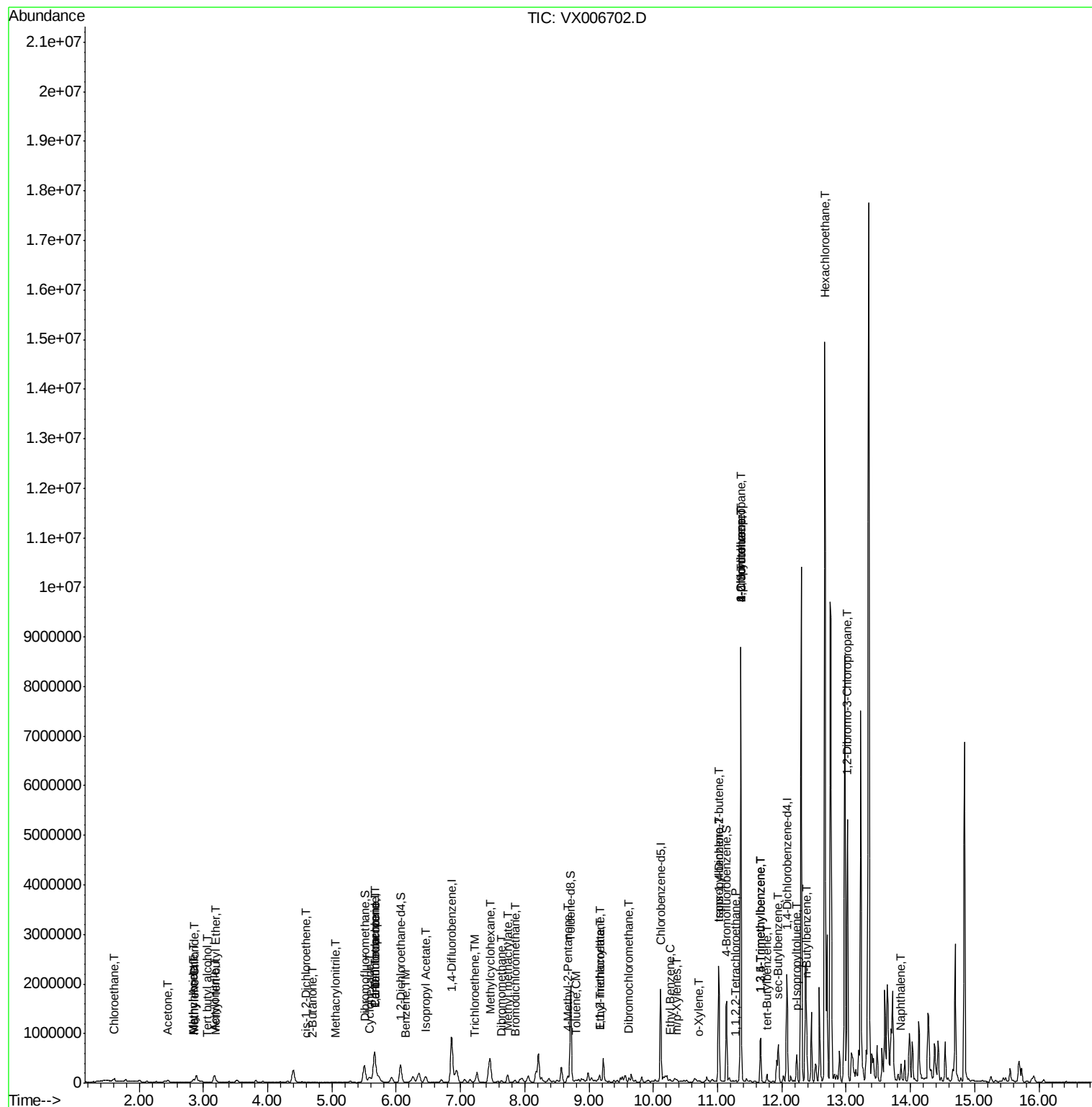
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
76) 1,2,3-Trichloropropane	11.36	75	28816	3.438	ug/l #		1
78) n-propylbenzene	11.36	91	5224151	153.756	ug/l		99
79) 2-Chlorotoluene	11.36	91	5224151	253.719	ug/l #		38
80) 1,3,5-Trimethylbenzene	11.67	105	436384	17.171	ug/l		73
81) trans-1,4-Dichloro-2-buten	11.02	75	12362	8.341	ug/l #		60
82) 4-Chlorotoluene	11.36	91	5224151	221.188	ug/l #		42
83) tert-Butylbenzene	11.77	119	65908	2.591	ug/l		93
84) 1,2,4-Trimethylbenzene	11.67	105	436384	16.325	ug/l		78
85) sec-Butylbenzene	11.94	105	414803	13.301	ug/l #		72
86) p-Isopropyltoluene	12.23	119	252051	9.195	ug/l		98
89) n-Butylbenzene	12.39	91	544878	23.356	ug/l #		53
90) Hexachloroethane	12.67	117	586642	131.026	ug/l #		6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	14751	7.769	ug/l #		1
95) Naphthalene	13.83	128	13518	0.408	ug/l #		24

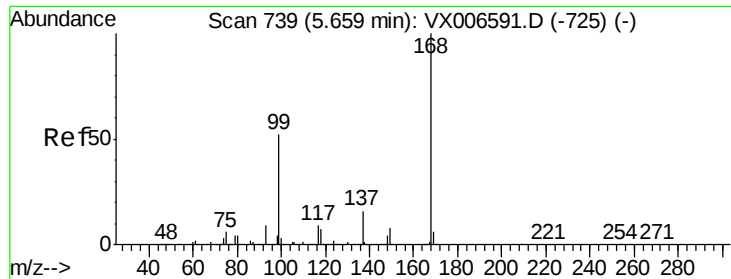
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

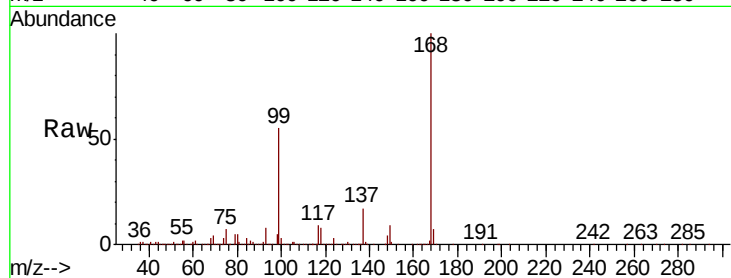
T3-MW-2-9.0-121918

Tot Ion:168 Resp: 625369

Ion Ratio Lower Upper

168 100

99 55.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

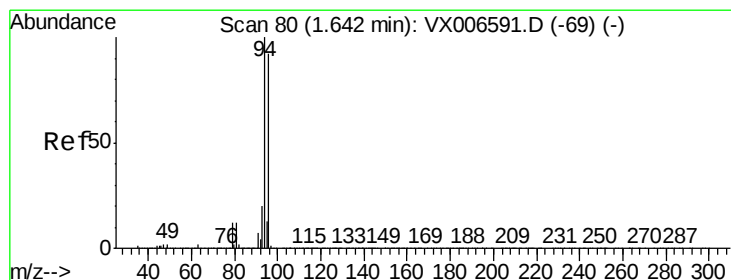
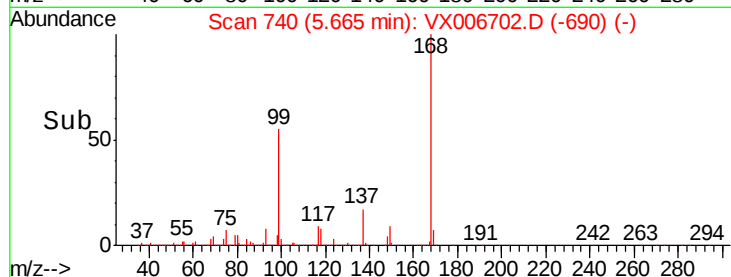
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006702.D

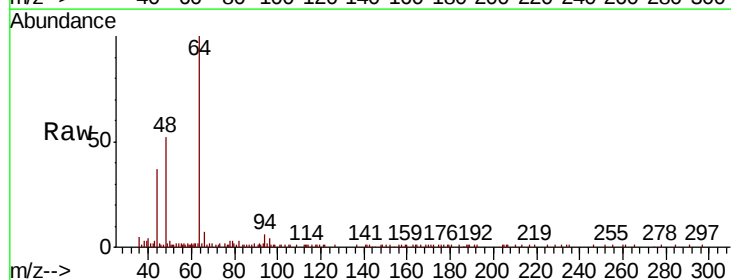
Acq: 21 Dec 2018 03:48

Tgt Ion: 94 Resp: 628

Ion Ratio Lower Upper

94 100

96 69.6 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

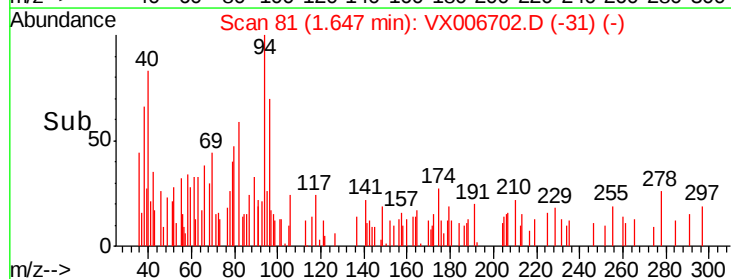
400

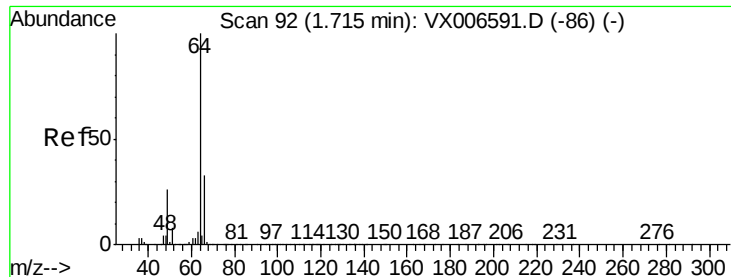
200

0

Time-->

1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 5.429 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.11 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

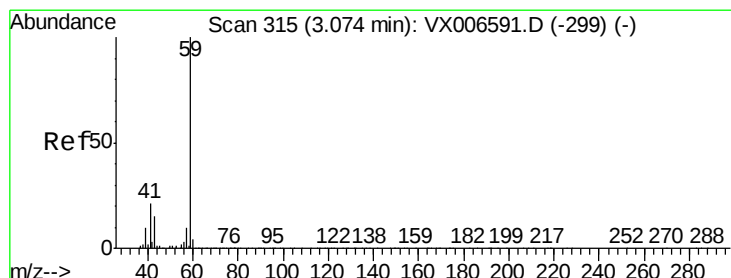
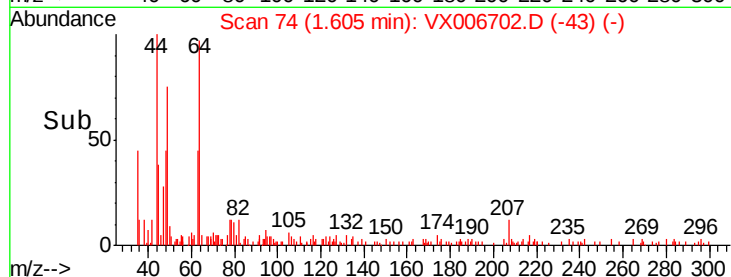
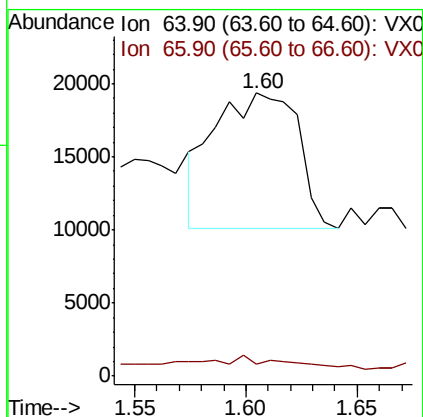
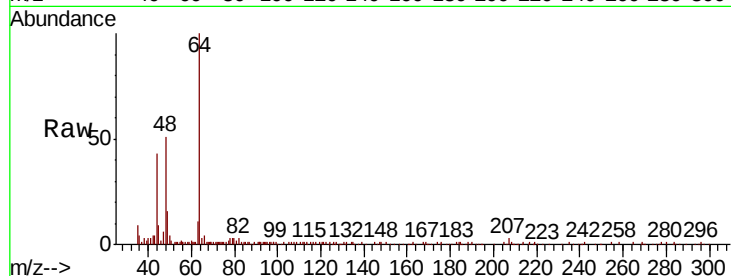
T3-MW-2-9.0-121918

Tot Ion: 64 Resp: 24197

Ion Ratio Lower Upper

64 100

66 1.7 26.4 39.6#



#11

Tert butyl alcohol

Concen: 1.713 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX006702.D

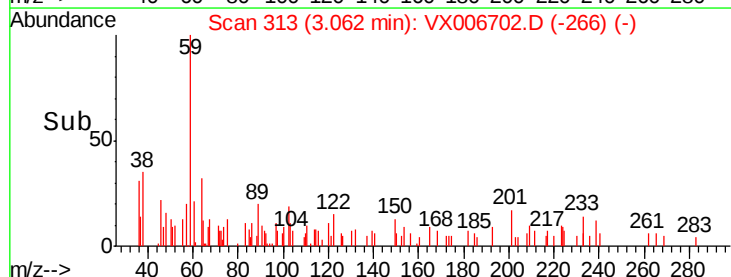
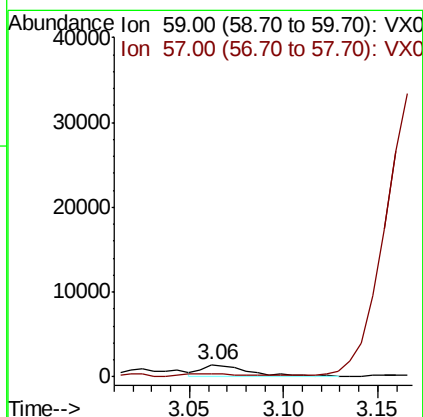
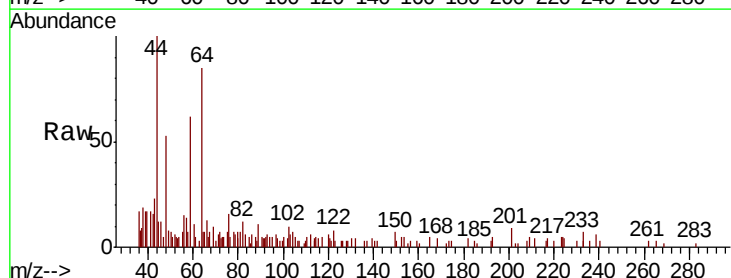
Acq: 21 Dec 2018 03:48

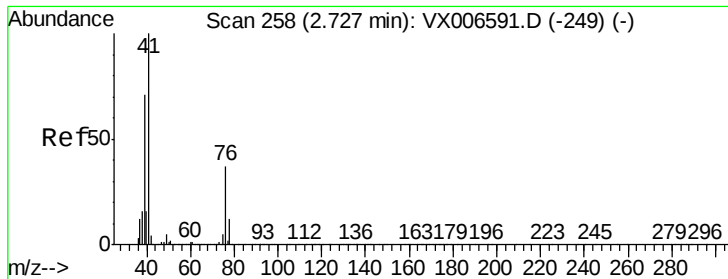
Tgt Ion: 59 Resp: 2576

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#14

Allvl chloride

Concen: 1.358 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

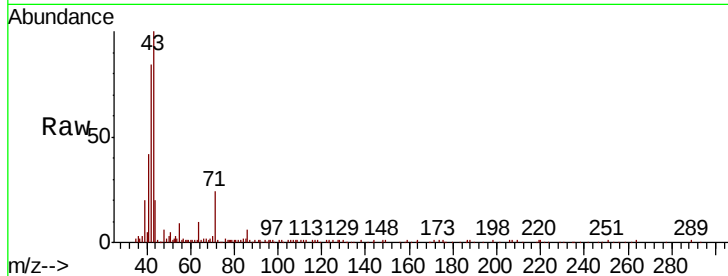
Tot Ion: 41 Resp: 12774

Ion Ratio Lower Upper

41 100

39 50.6 53.6 80.4#

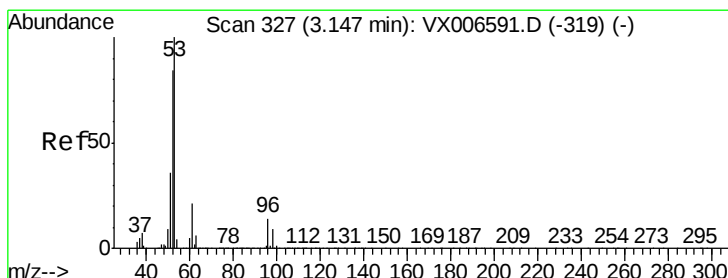
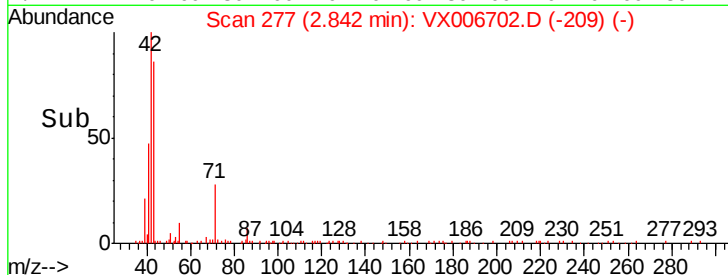
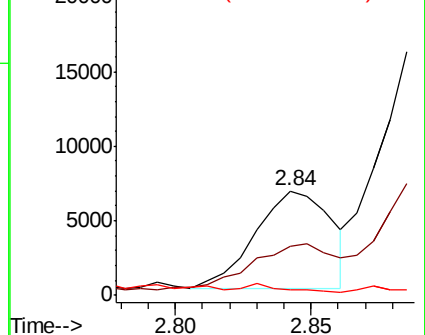
76 4.5 27.4 41.2#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 1.047 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

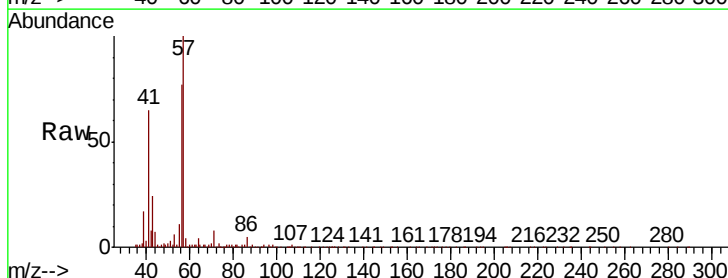
Tgt Ion: 53 Resp: 3497

Ion Ratio Lower Upper

53 100

52 33.0 66.0 99.0#

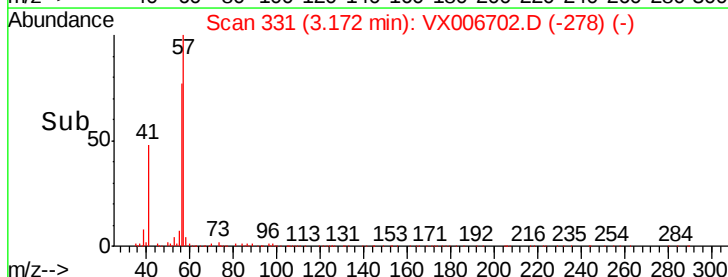
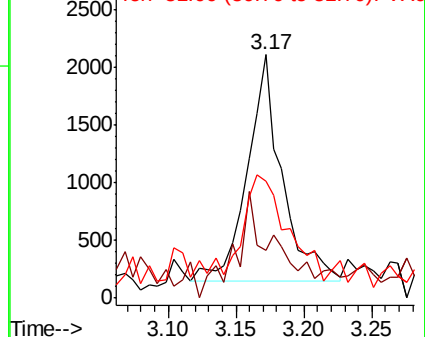
51 51.4 28.6 42.8#

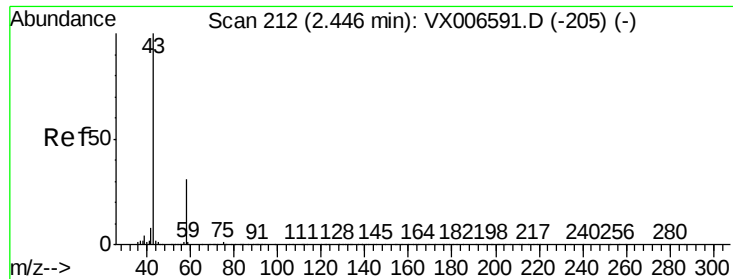


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 13.531 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

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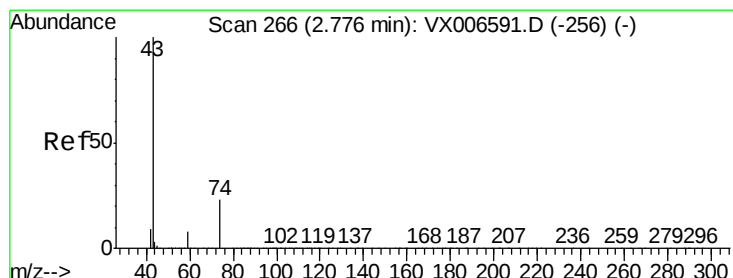
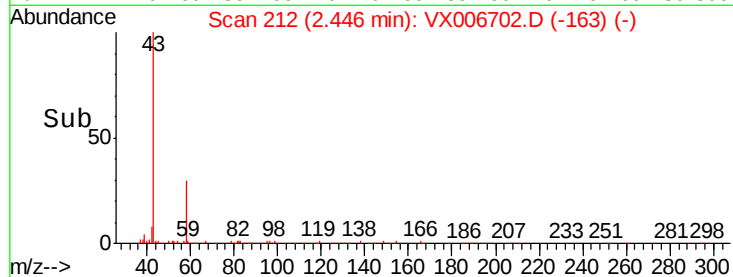
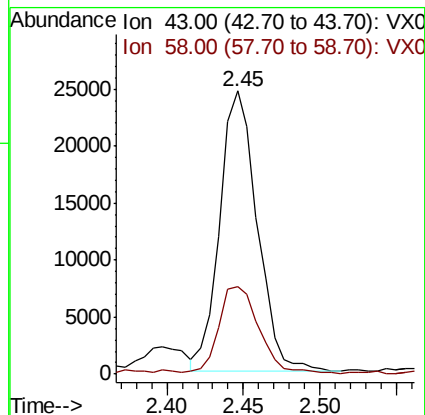
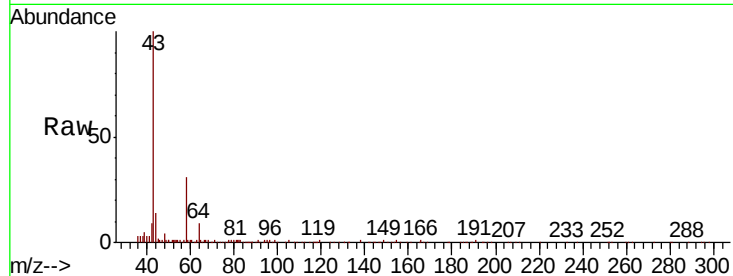
T3-MW-2-9.0-121918

Tot Ion: 43 Resp: 41900

Ion Ratio Lower Upper

43 100

58 30.8 25.0 37.6



#18

Methyl Acetate

Concen: 3.625 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX006702.D

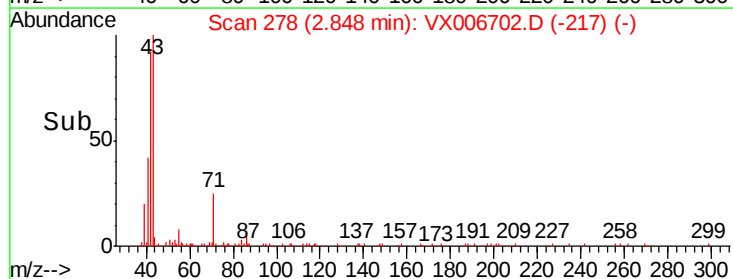
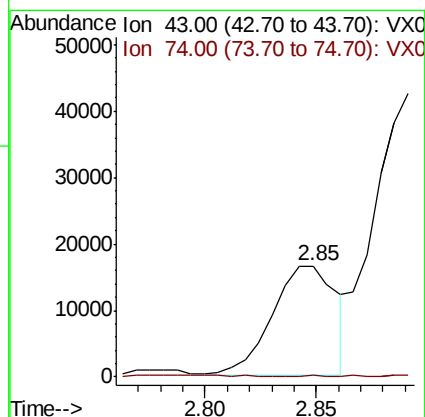
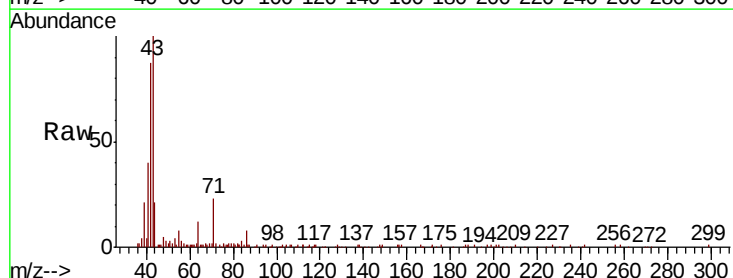
Acq: 21 Dec 2018 03:48

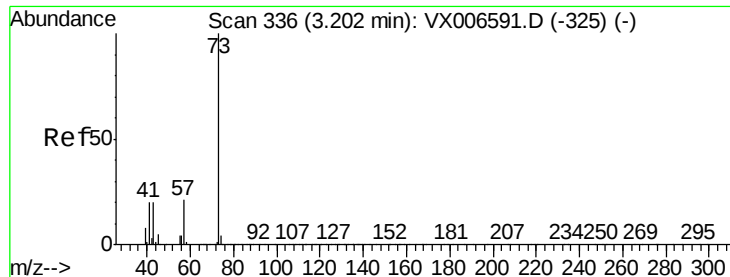
Tgt Ion: 43 Resp: 33005

Ion Ratio Lower Upper

43 100

74 0.4 18.6 28.0#





#19

Methyl tert-butyl Ether

Concen: 1.014 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

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ClientSampleId :

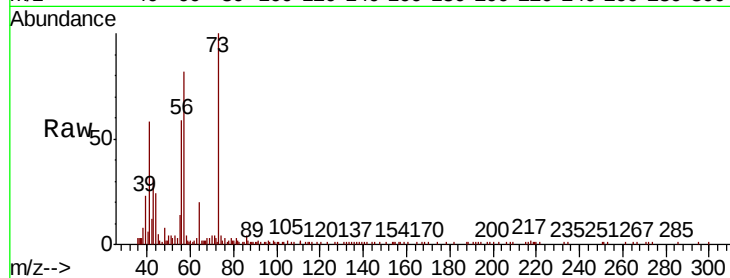
T3-MW-2-9.0-121918

Tot Ion: 73 Resp: 18810

Ion Ratio Lower Upper

73 100

57 79.7 16.8 25.2#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

40000

30000

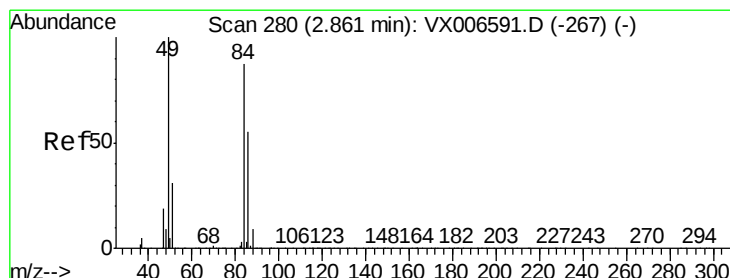
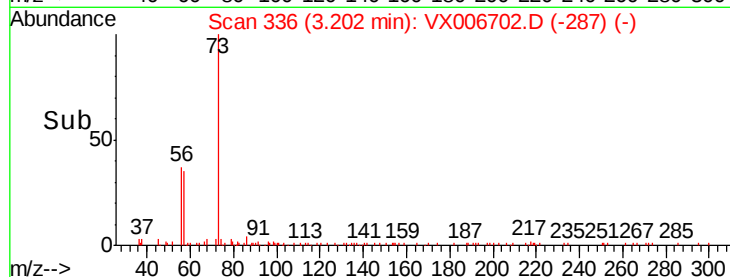
20000

10000

0

3.10 3.20 3.30

Time-->



#20

Methylene Chloride

Concen: 0.245 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Tgt Ion: 84 Resp: 1571

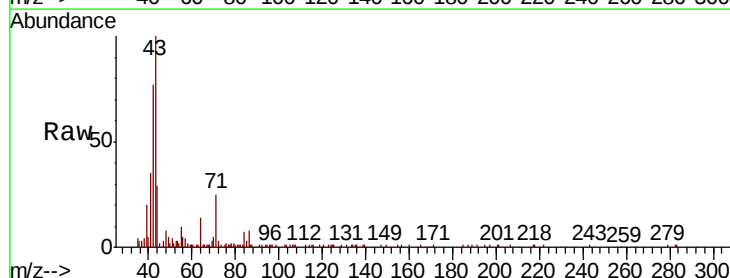
Ion Ratio Lower Upper

84 100

49 43.9 91.8 137.6#

51 18.5 28.5 42.7#

86 68.0 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

3000

2500

2000

1500

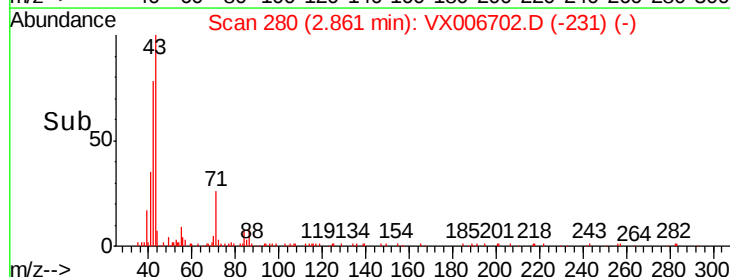
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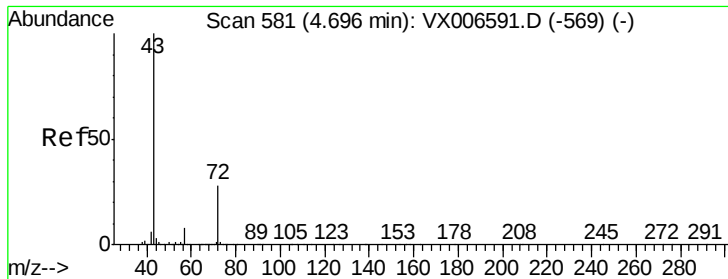
500

0

2.85 2.90

Time-->





#25

2-Butanone

Concen: 0.269 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

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Acq: 21 Dec 2018 03:48

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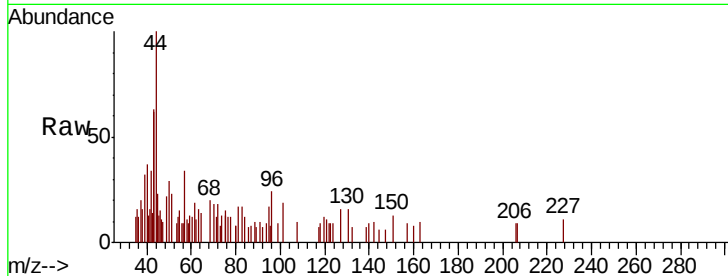
T3-MW-2-9.0-121918

Tot Ion: 43 Resp: 1173

Ion Ratio Lower Upper

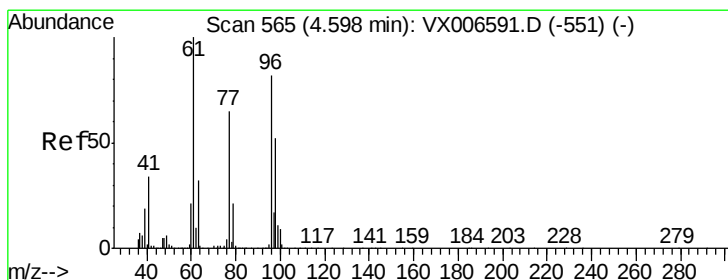
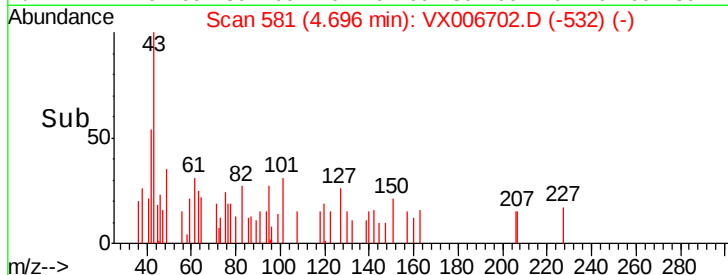
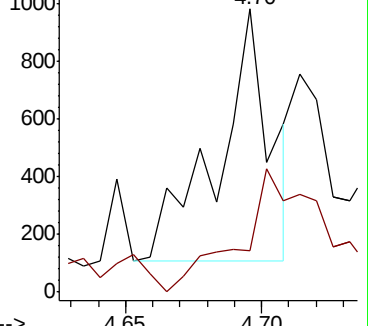
43 100

72 1.6 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.345 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

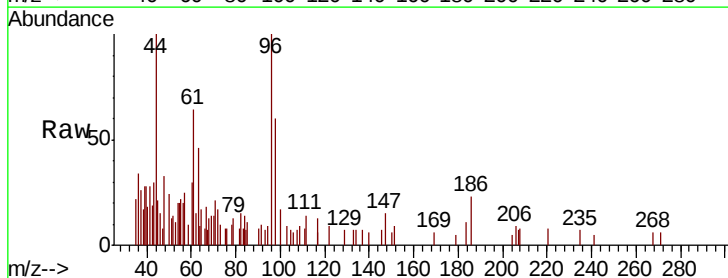
Tgt Ion: 96 Resp: 2357

Ion Ratio Lower Upper

96 100

61 124.5 0.0 258.6

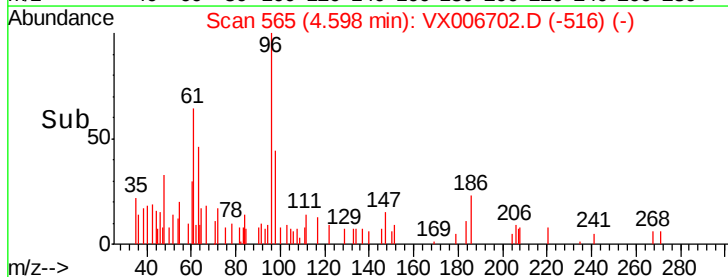
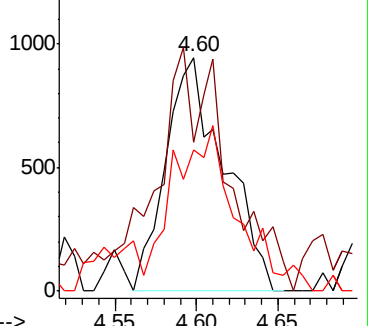
98 77.0 0.0 132.0

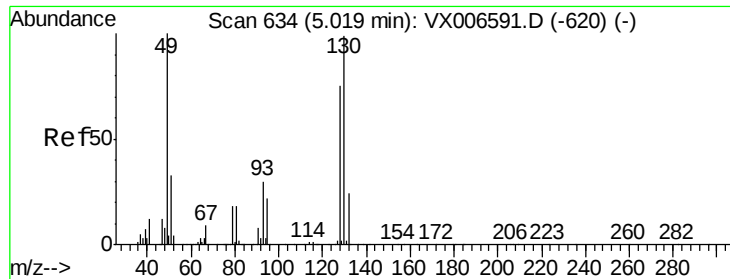


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

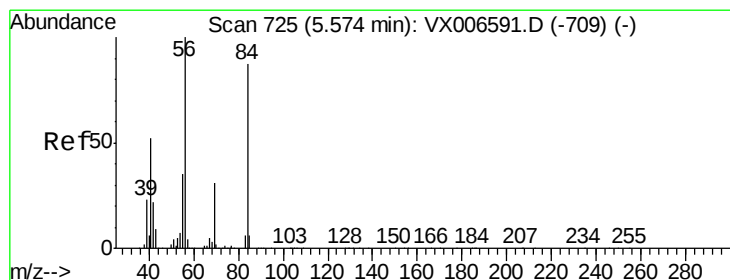
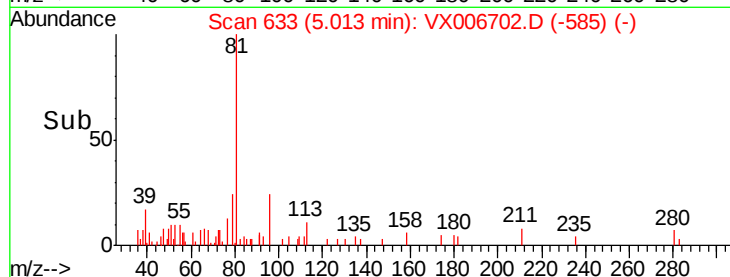
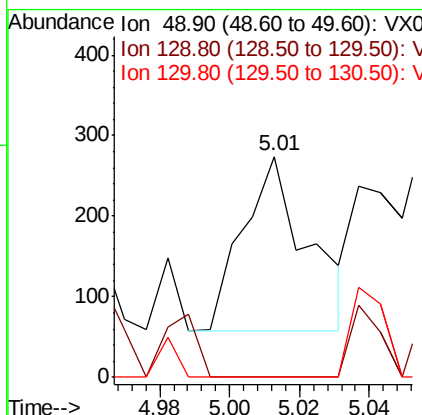
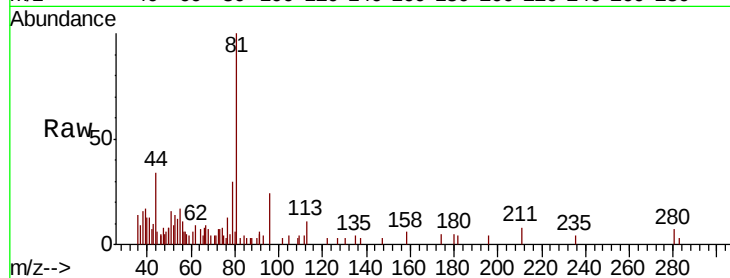




#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006702.D
Acq: 21 Dec 2018 03:48

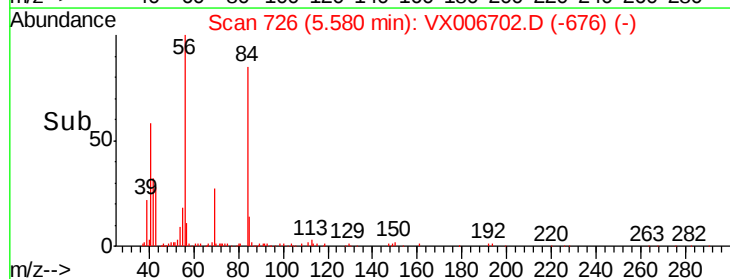
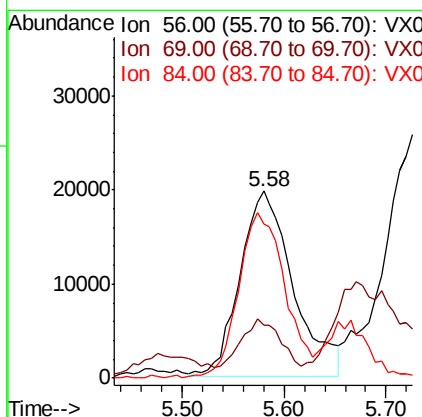
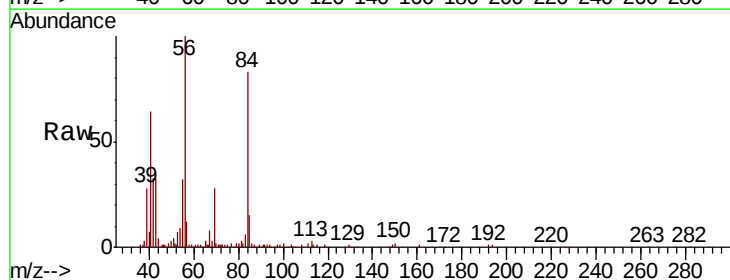
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-121918

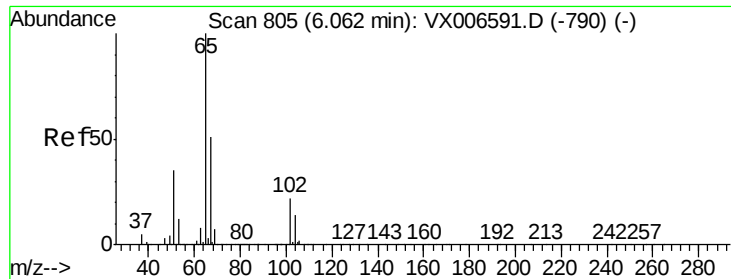
Tot Ion: 49 Resp: 278
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 0.0 77.7 116.5#



#31
Cyclohexane
Concen: 7.696 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006702.D
Acq: 21 Dec 2018 03:48

Tgt Ion: 56 Resp: 71810
Ion Ratio Lower Upper
56 100
69 18.5 24.4 36.6#
84 84.0 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 49.512 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

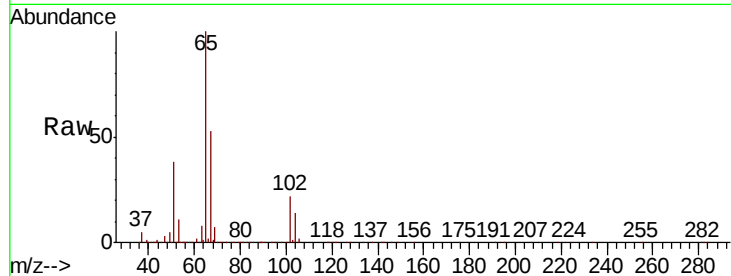
T3-MW-2-9.0-121918

Tot Ion: 65 Resp: 333706

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

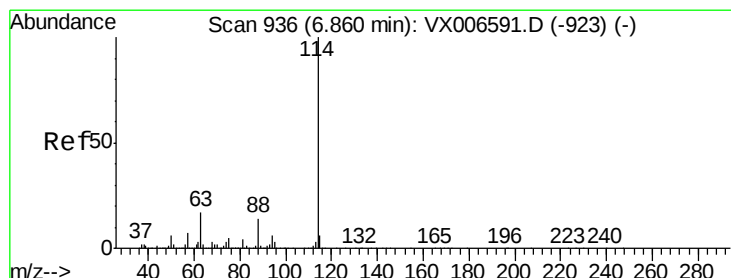
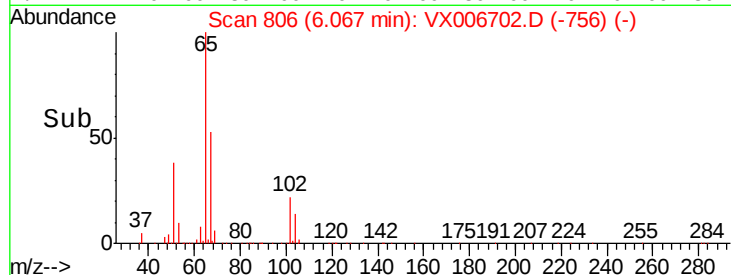
100000

50000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

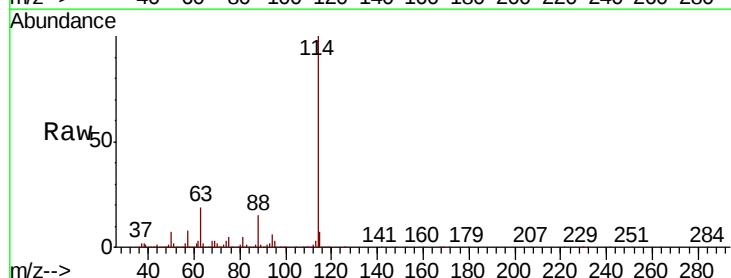
Tgt Ion: 114 Resp: 976881

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

88 15.3 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

300000

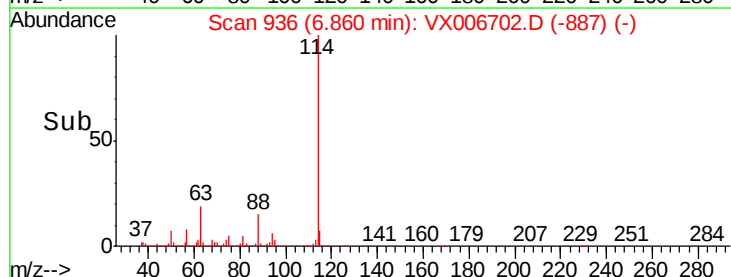
200000

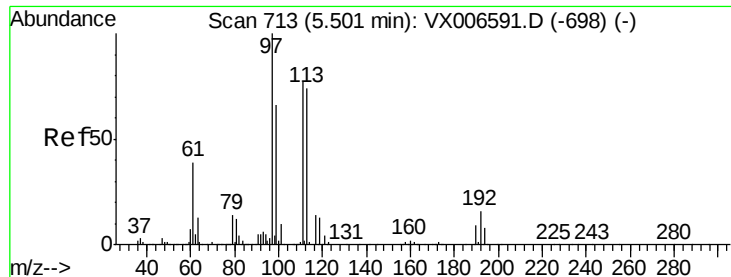
100000

0

6.70 6.80 6.90 7.00 7.10

Time-->





#35

Dibromofluoromethane

Concen: 46.889 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

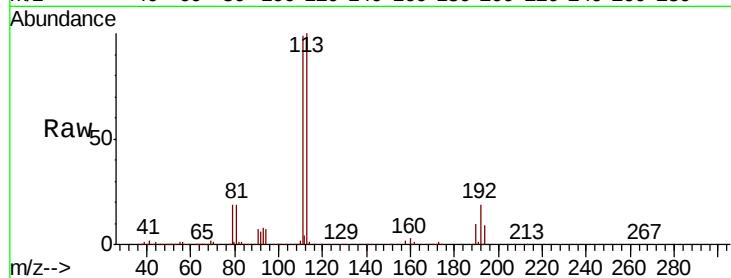
Tot Ion:113 Resp: 289665

Ion Ratio Lower Upper

113 100

111 101.2 81.6 122.4

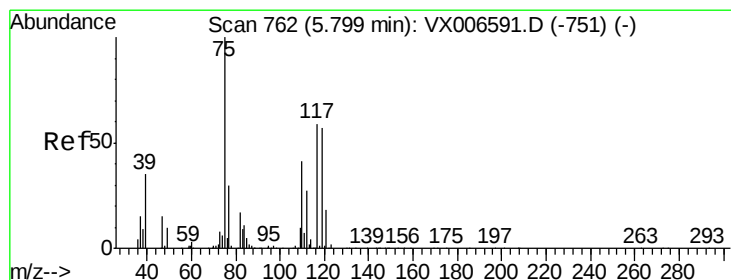
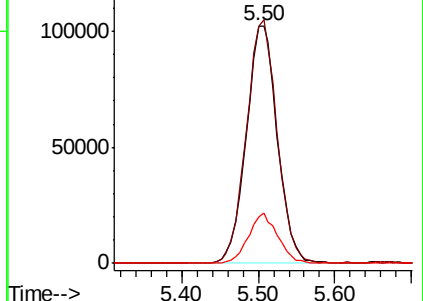
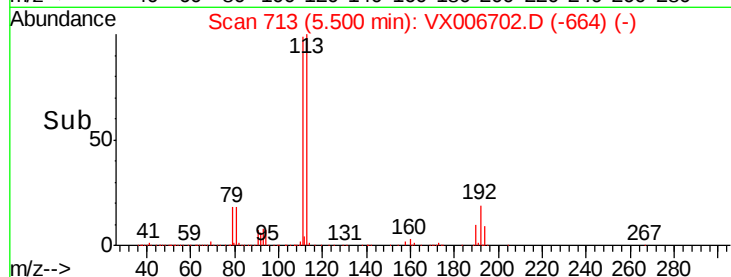
192 19.9 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.128 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

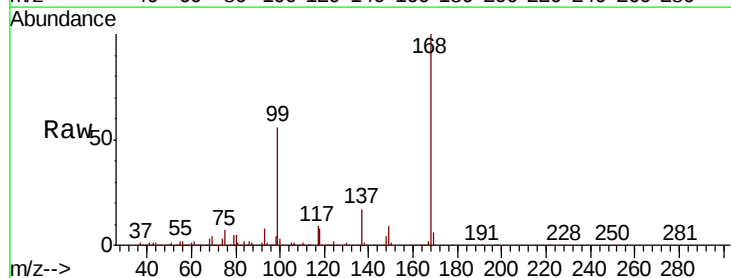
Tgt Ion: 75 Resp: 41491

Ion Ratio Lower Upper

75 100

110 10.9 20.2 60.5#

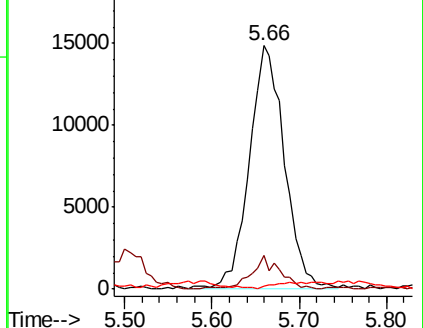
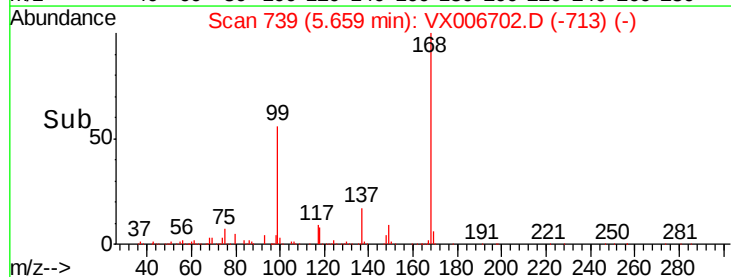
77 0.0 24.8 37.2#

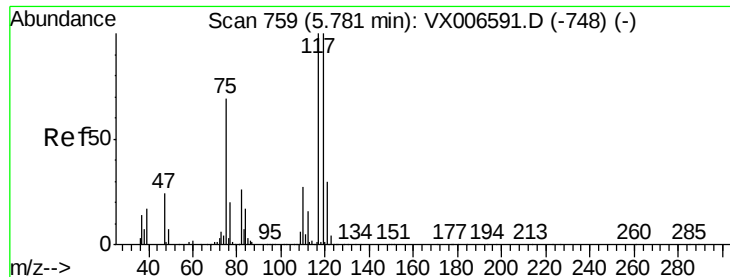


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.324 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

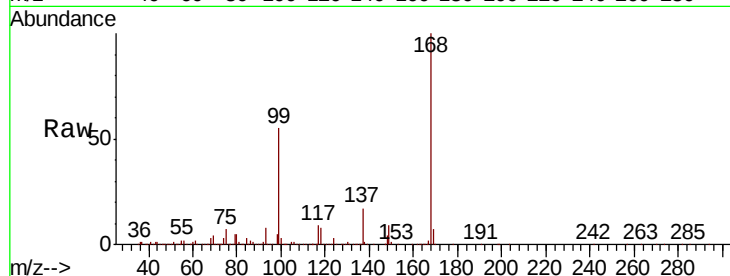
Tot Ion:117 Resp: 57585

Ion Ratio Lower Upper

117 100

119 4.8 79.4 119.2#

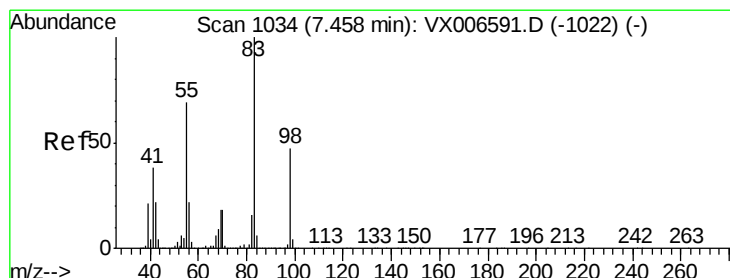
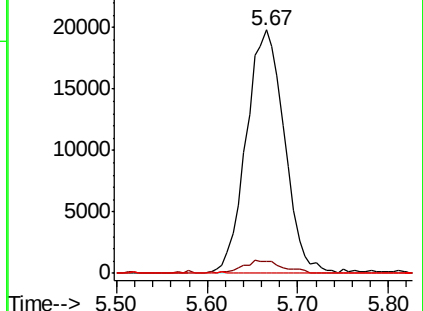
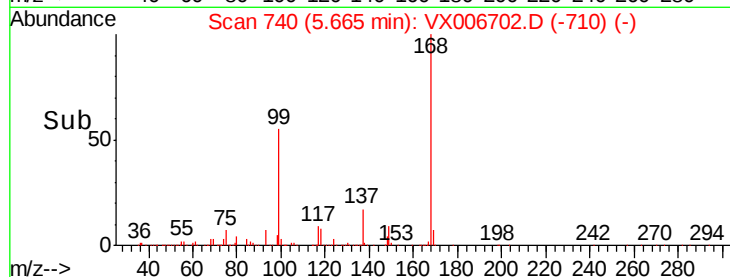
121 0.0 24.0 36.0#



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: 21.026 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

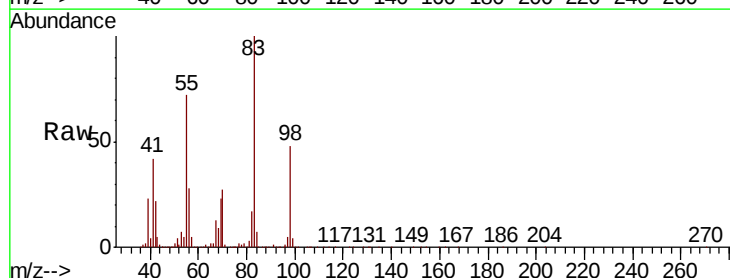
Tgt Ion: 83 Resp: 223965

Ion Ratio Lower Upper

83 100

55 72.4 54.9 82.3

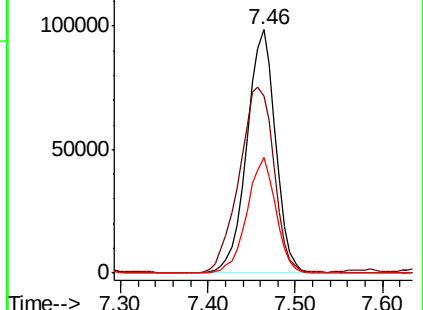
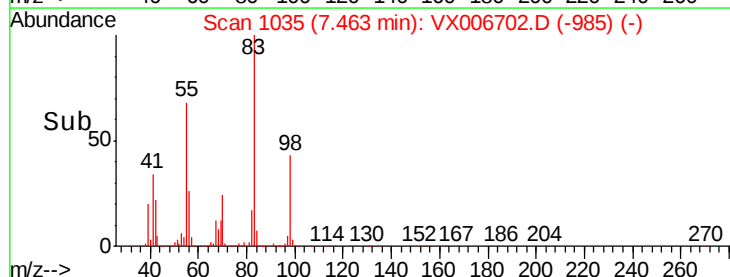
98 47.5 37.9 56.9

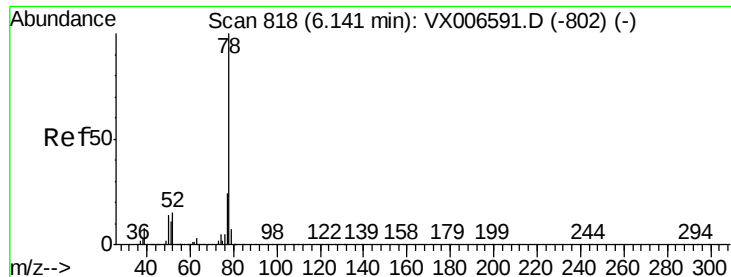


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.481 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

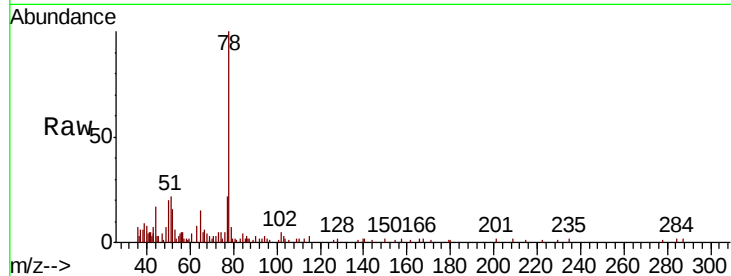
T3-MW-2-9.0-121918

Tot Ion: 78 Resp: 11828

Ion Ratio Lower Upper

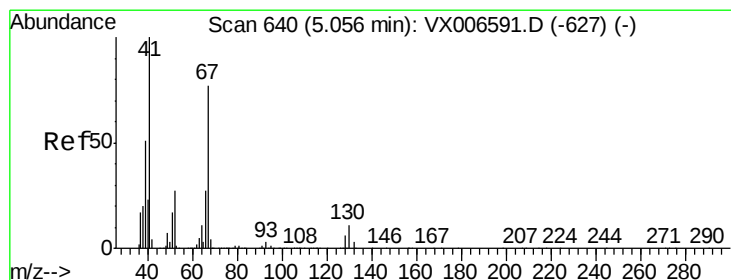
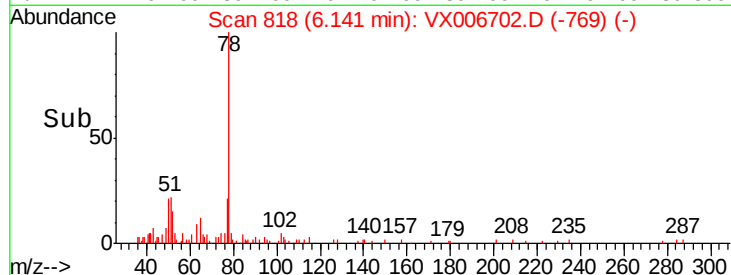
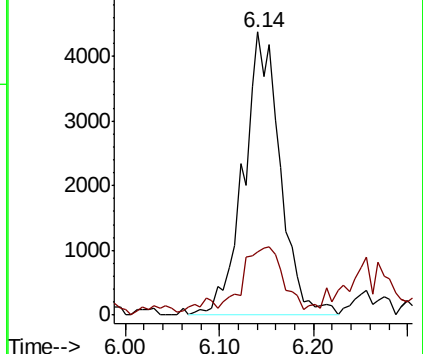
78 100

77 19.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 0.674 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Tgt Ion: 41 Resp: 3015

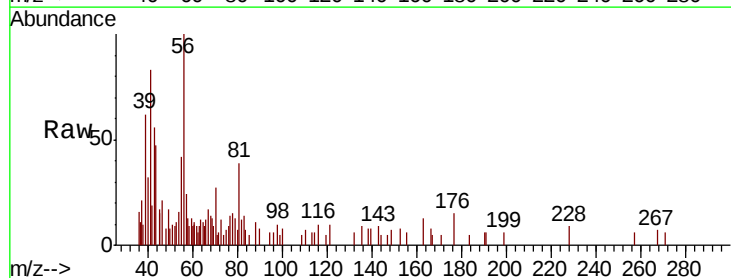
Ion Ratio Lower Upper

41 100

39 21.2 42.8 64.2#

67 0.0 62.1 93.1#

52 13.2 23.4 35.0#

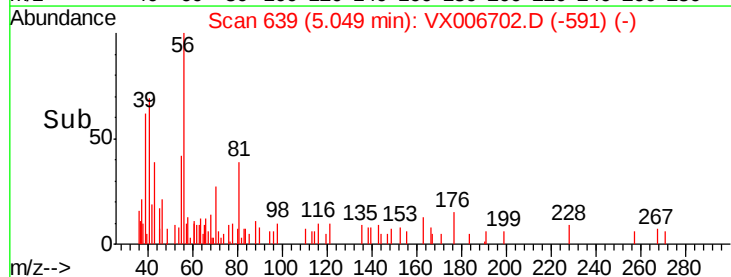
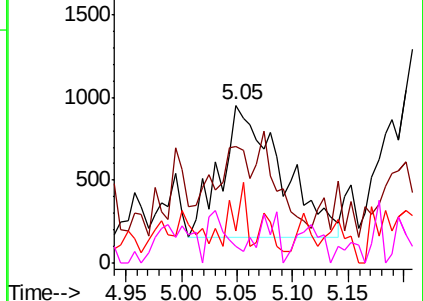


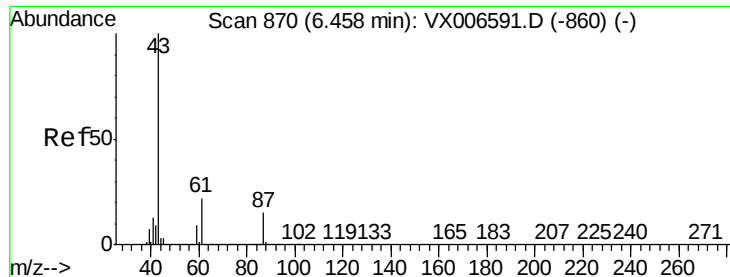
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 0.586 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

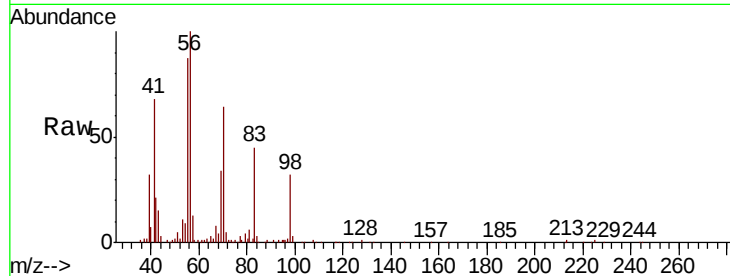
Tot Ion: 43 Resp: 7503

Ion Ratio Lower Upper

43 100

61 3.3 16.8 25.2#

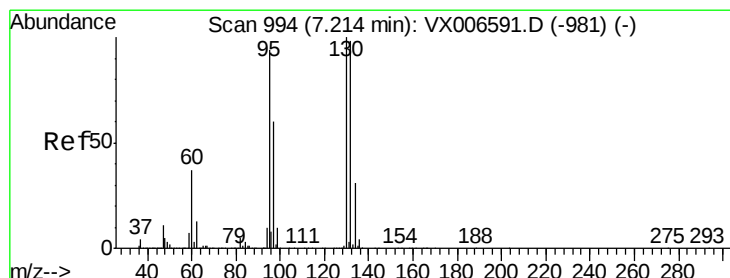
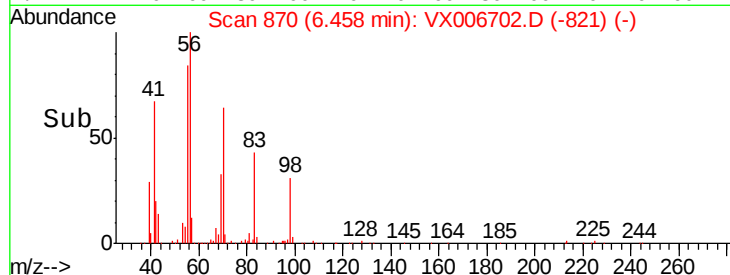
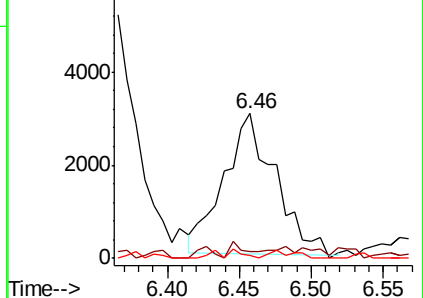
87 1.7 12.4 18.6#



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



#44

Trichloroethene

Concen: 1.165 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006702.D

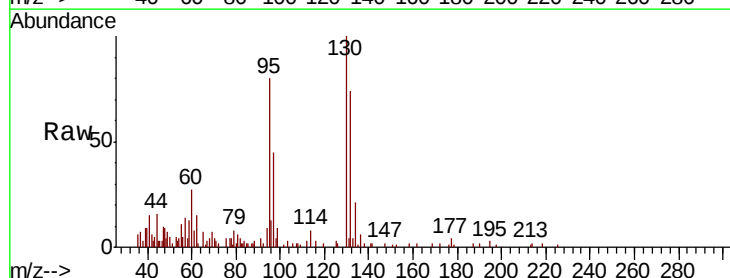
Acq: 21 Dec 2018 03:48

Tgt Ion:130 Resp: 8675

Ion Ratio Lower Upper

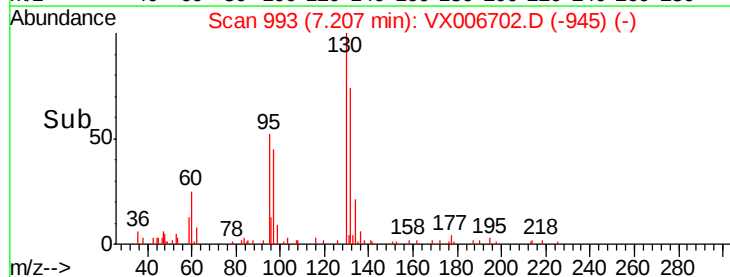
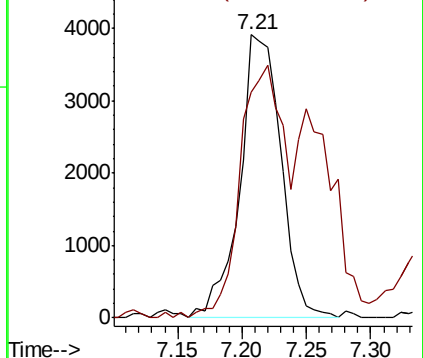
130 100

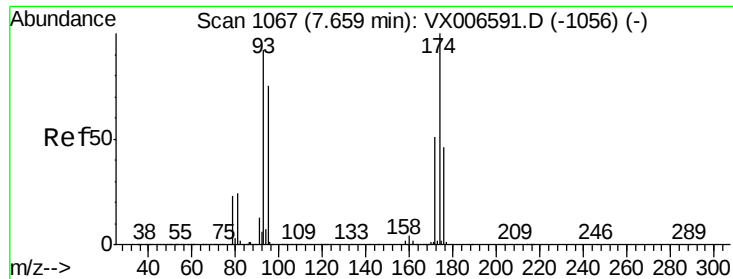
95 79.7 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#46

Dibromomethane

Concen: 0.303 ug/l

RT: 7.64 min Scan# 1064

Delta R.T. -0.02 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

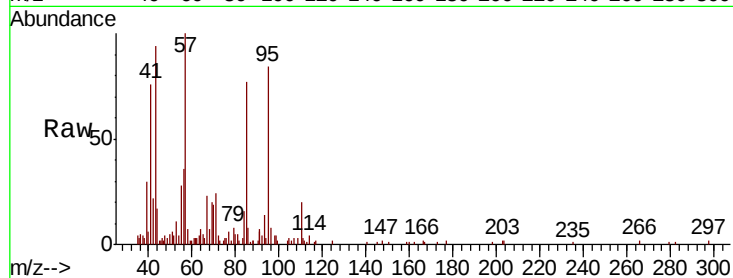
Tot Ion: 93 Resp: 1336

Ion Ratio Lower Upper

93 100

95 810.4 66.2 99.4#

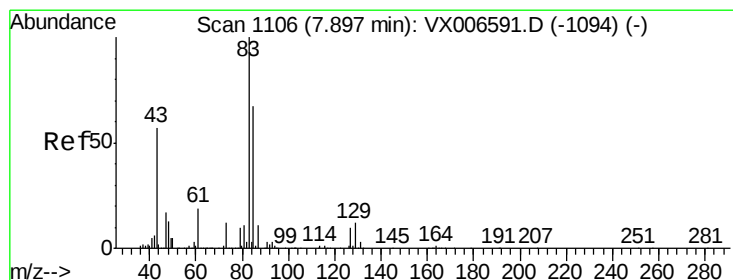
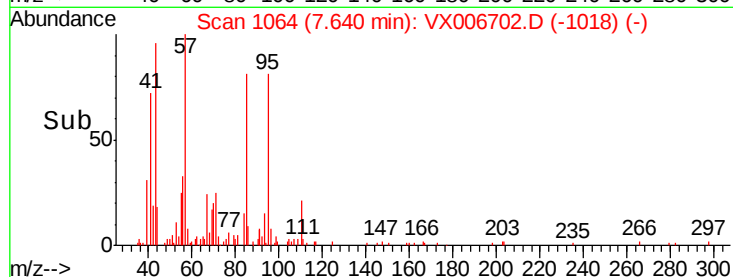
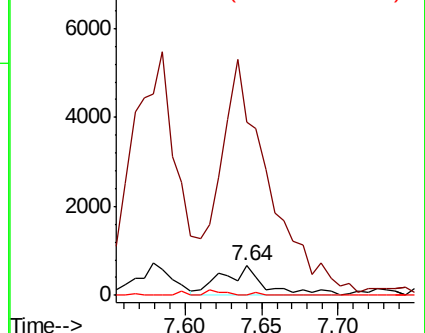
174 2.0 91.0 136.4#



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 0.490 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.06 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

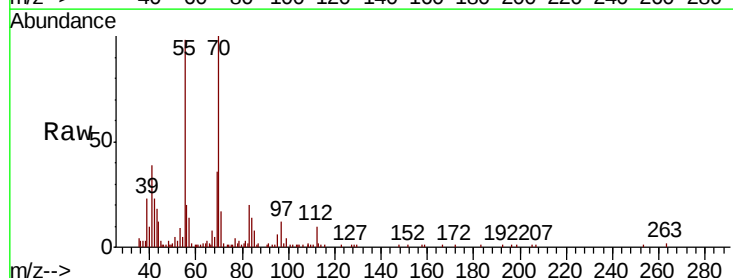
Tgt Ion: 83 Resp: 3582

Ion Ratio Lower Upper

83 100

85 31.9 53.2 79.8#

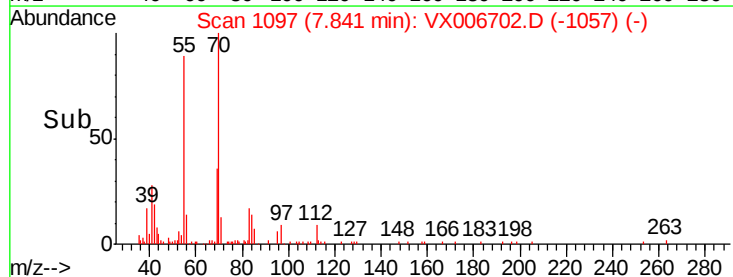
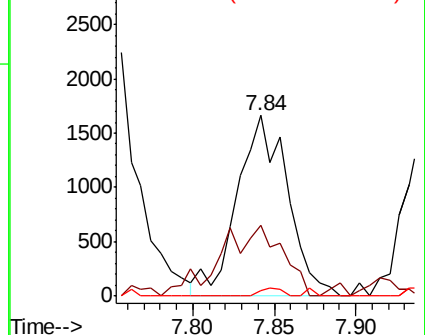
127 3.1 7.8 11.6#

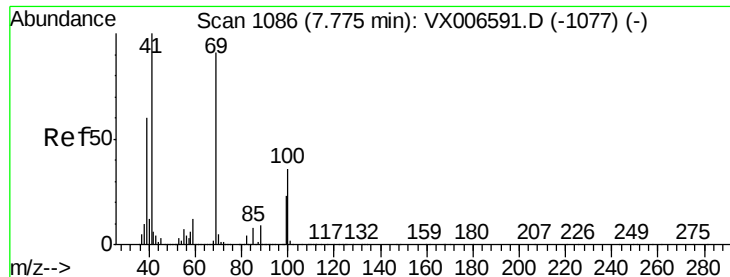


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 5.055 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

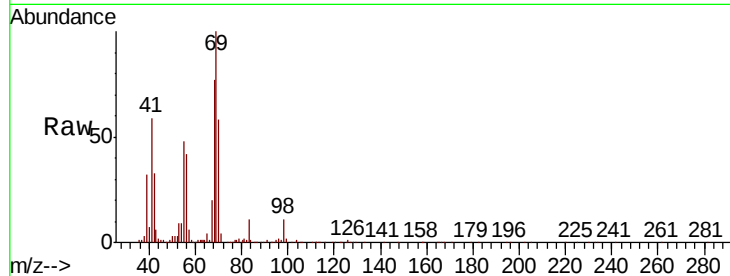
Tot Ion: 41 Resp: 32936

Ion Ratio Lower Upper

41 100

69 165.8 72.4 108.6#

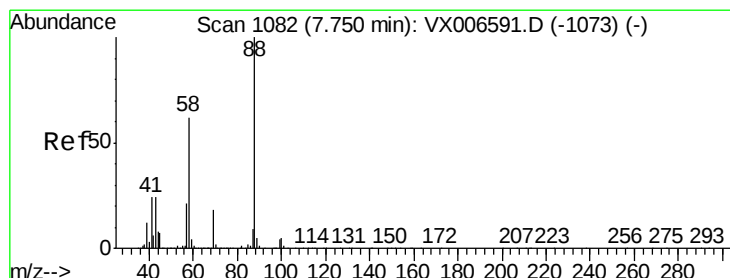
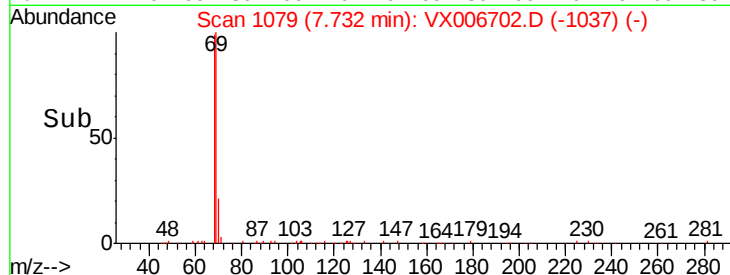
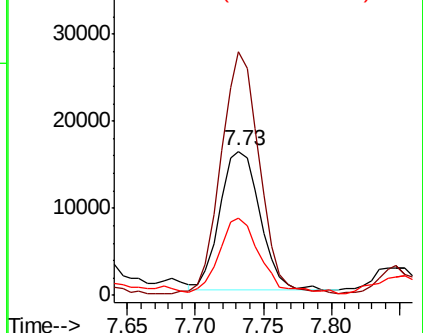
39 54.6 45.8 68.8



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: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

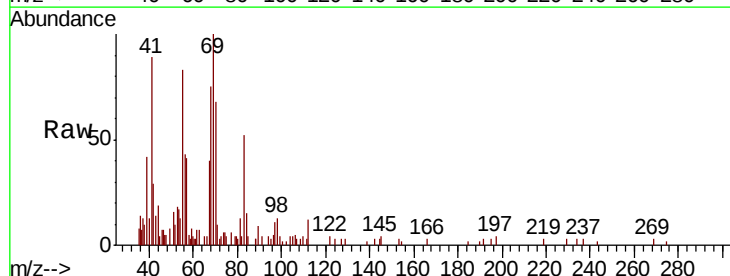
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

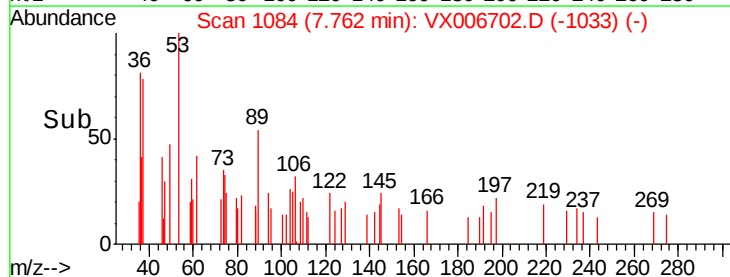
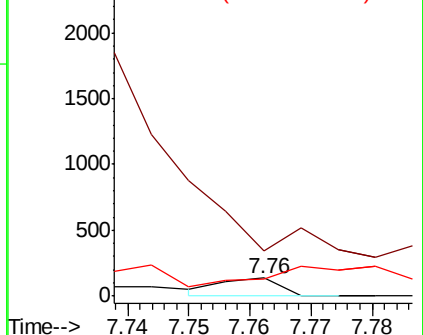
58 303.3 51.0 76.4#

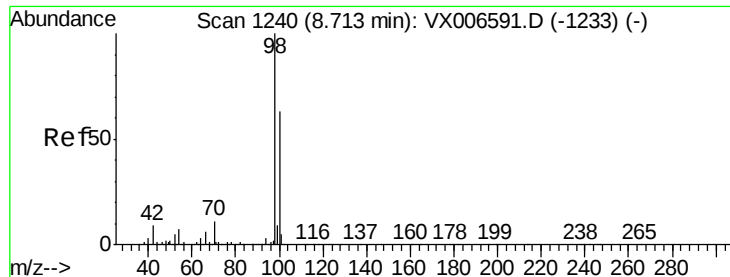


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.101 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

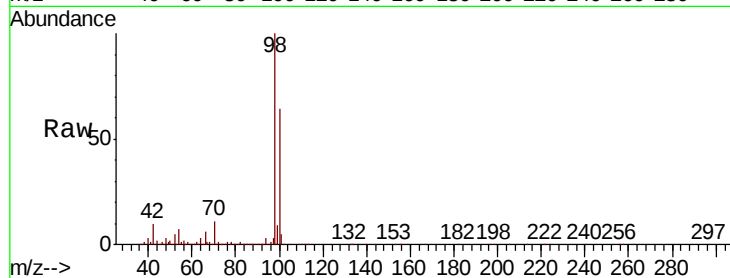
T3-MW-2-9.0-121918

Tot Ion: 98 Resp: 1190139

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

800000

600000

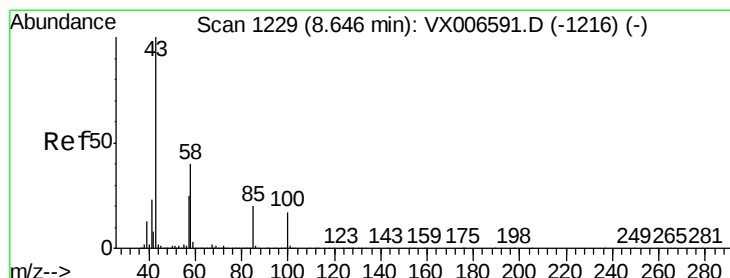
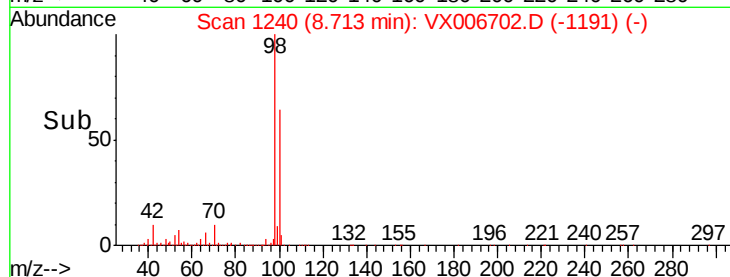
400000

200000

0

8.60 8.70 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.594 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX006702.D

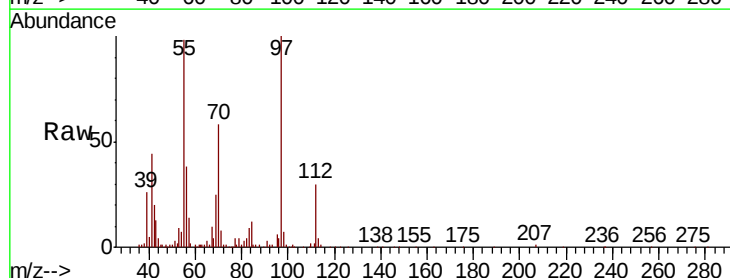
Acq: 21 Dec 2018 03:48

Tgt Ion: 43 Resp: 4839

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

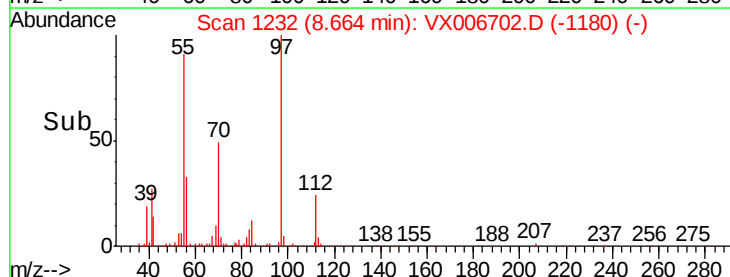
4000

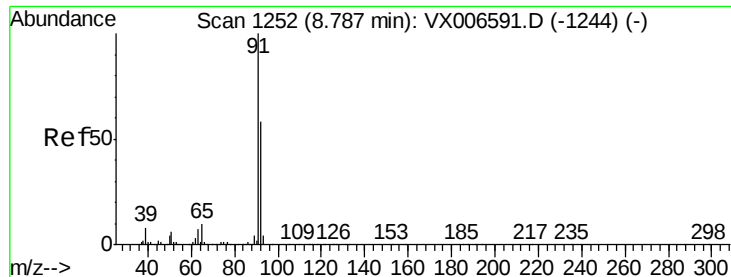
2000

0

8.60 8.65 8.70

Time-->





#52

Toluene

Concen: 0.635 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

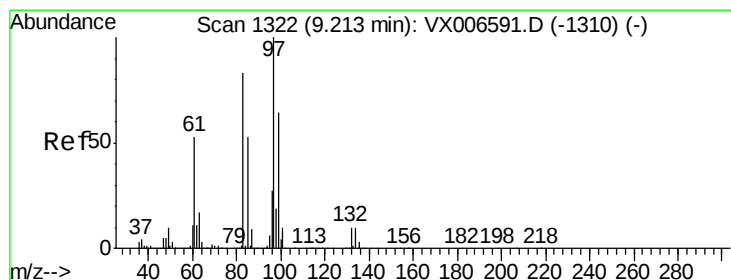
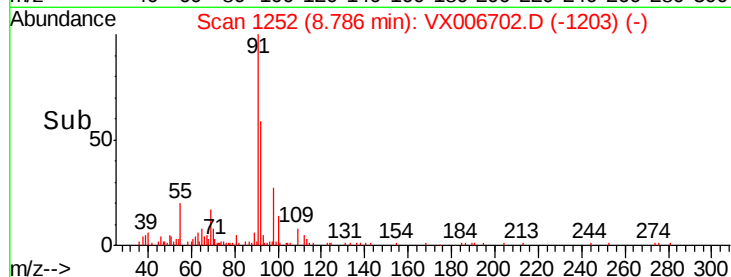
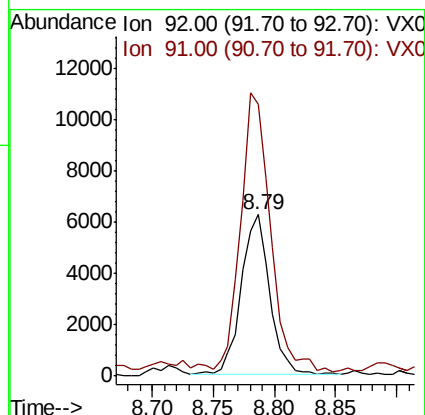
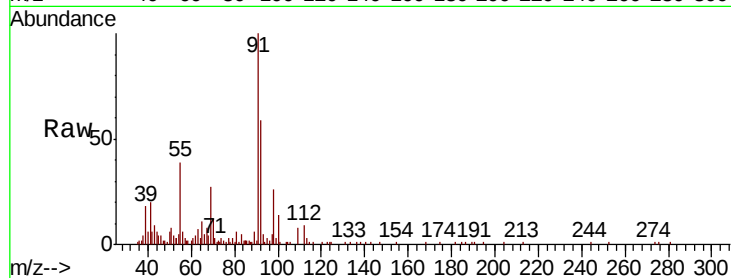
T3-MW-2-9.0-121918

Tot Ion: 92 Resp: 10096

Ion Ratio Lower Upper

92 100

91 180.8 137.6 206.4



#55

1,1,2-Trichloroethane

Concen: 8.114 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Tgt Ion: 97 Resp: 52766

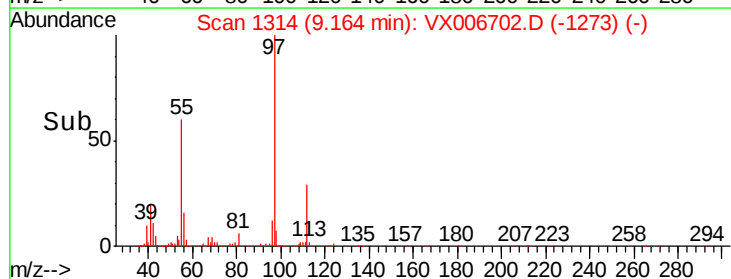
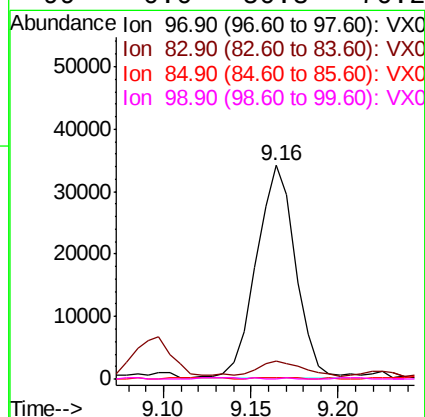
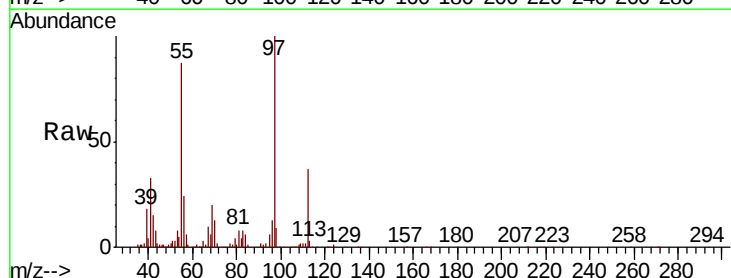
Ion Ratio Lower Upper

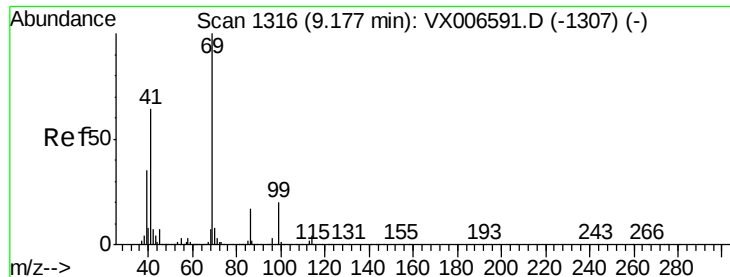
97 100

83 7.2 66.6 99.8#

85 0.6 42.7 64.1#

99 0.0 50.8 76.2#





#56

Ethyl methacrylate

Concen: 1.661 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

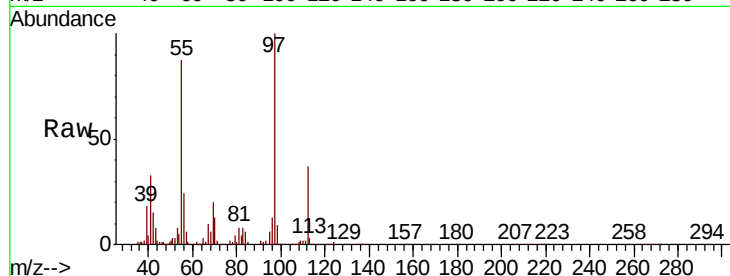
Tot Ion: 69 Resp: 15271

Ion Ratio Lower Upper

69 100

41 134.2 48.7 73.1#

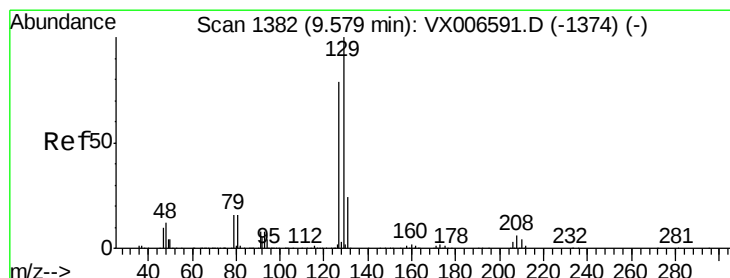
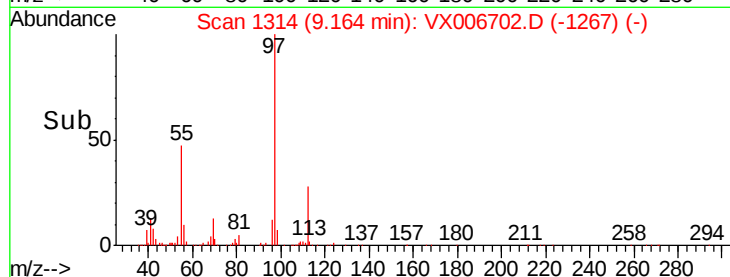
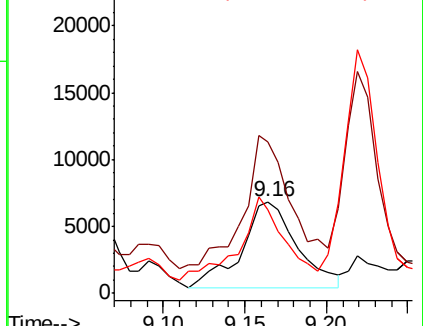
39 78.2 27.0 40.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#60

Dibromochloromethane

Concen: 2.337 ug/l

RT: 9.62 min Scan# 1388

Delta R.T. 0.04 min

Lab File: VX006702.D

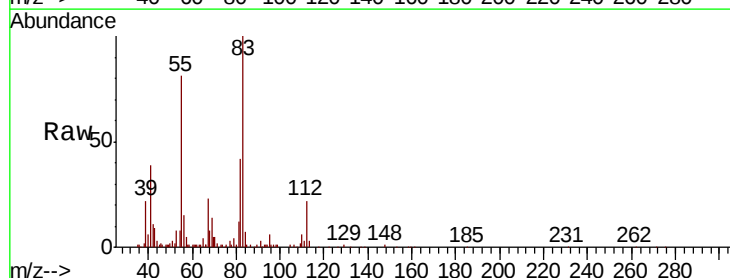
Acq: 21 Dec 2018 03:48

Tgt Ion: 129 Resp: 90

Ion Ratio Lower Upper

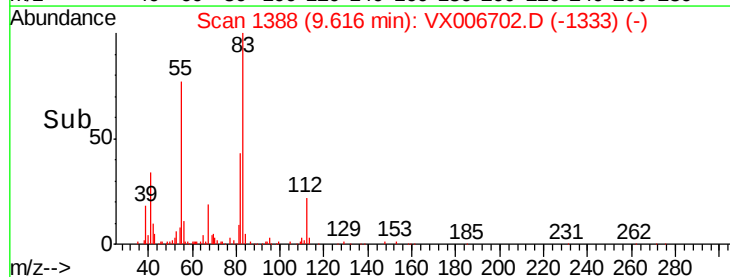
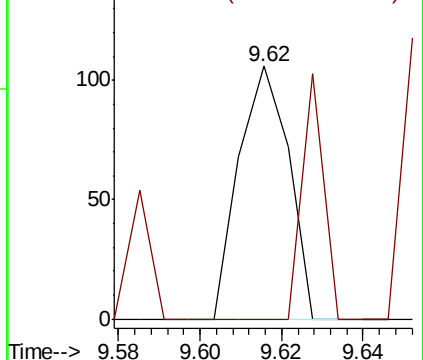
129 100

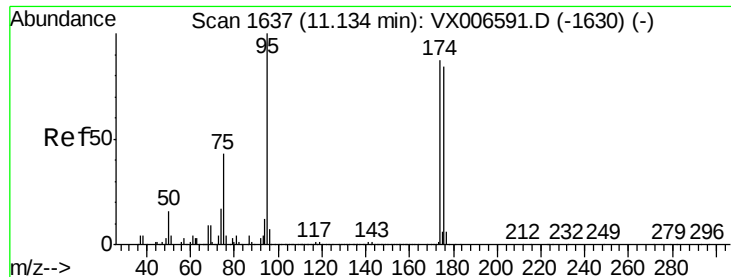
127 42.2 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 51.563 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

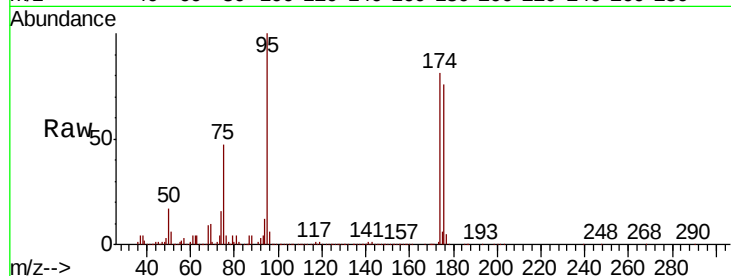
Tot Ion: 95 Resp: 439814

Ion Ratio Lower Upper

95 100

174 87.7 0.0 182.2

176 84.9 0.0 178.8

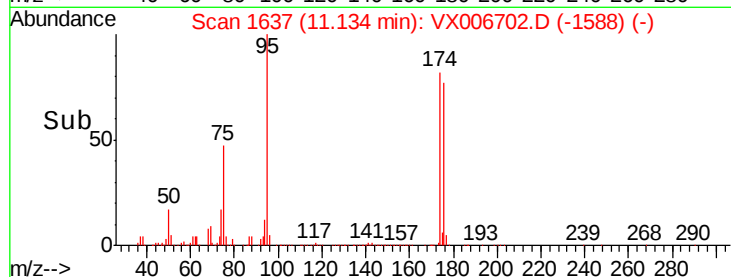


Abundance Ion 94.90 (94.60 to 95.60): VX006591.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX006591.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX006591.D (-1630) (-)

Time-->

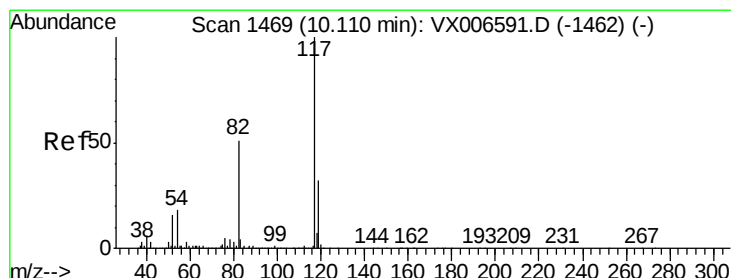


Abundance Ion 94.90 (94.60 to 95.60): VX006702.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006702.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006702.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

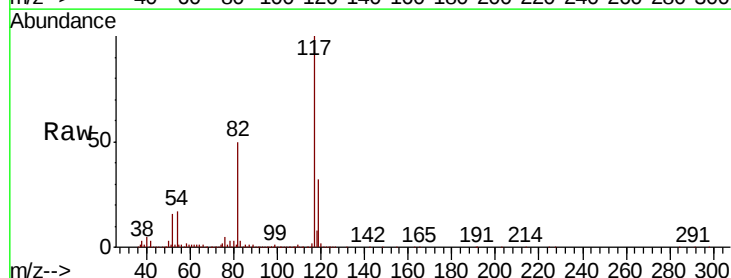
Tgt Ion: 117 Resp: 922895

Ion Ratio Lower Upper

117 100

82 49.7 41.0 61.6

119 32.0 25.4 38.0

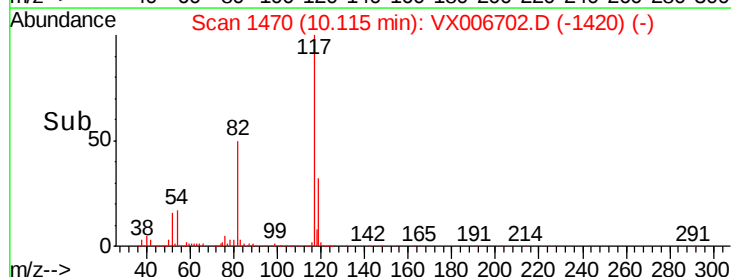


Abundance Ion 116.90 (116.60 to 117.60): VX006591.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006591.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006591.D (-1462) (-)

Time-->

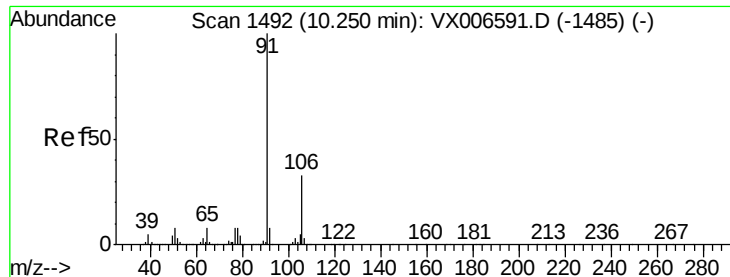


Abundance Ion 116.90 (116.60 to 117.60): VX006702.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006702.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006702.D (-1420) (-)

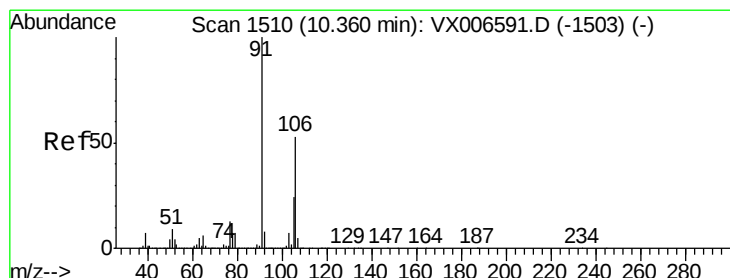
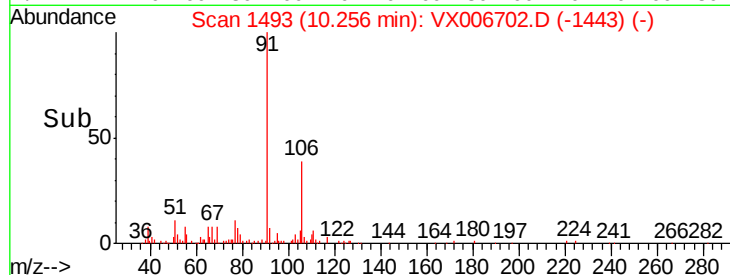
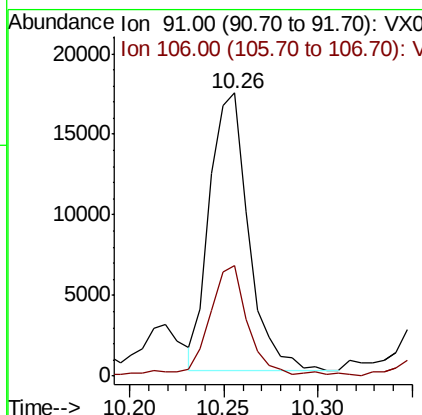
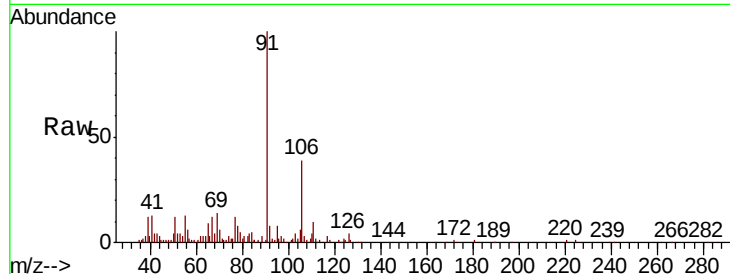
Time-->



#67
Ethyl Benzene
Concen: 0.780 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX006702.D
Acq: 21 Dec 2018 03:48

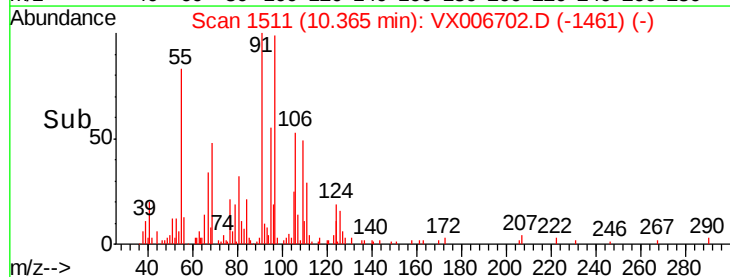
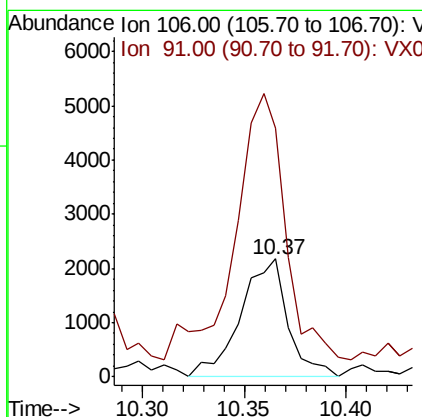
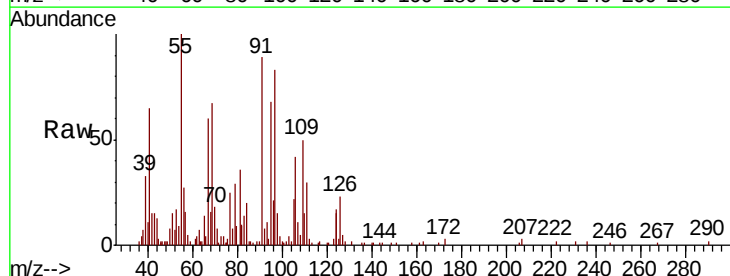
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-121918

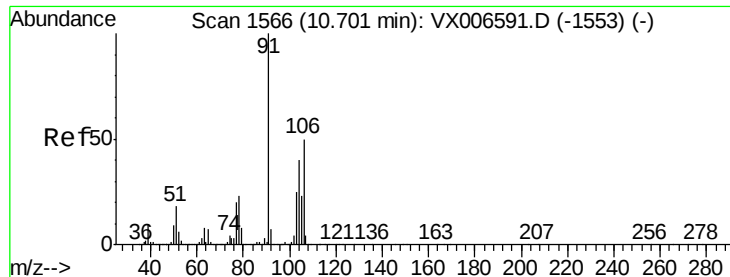
Tot Ion: 91 Resp: 24872
Ion Ratio Lower Upper
91 100
106 38.5 26.4 39.6



#68
m/p-Xylenes
Concen: 0.280 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX006702.D
Acq: 21 Dec 2018 03:48

Tgt Ion: 106 Resp: 3520
Ion Ratio Lower Upper
106 100
91 239.9 155.8 233.6#

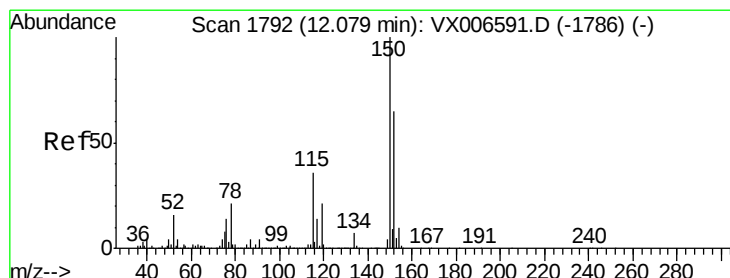
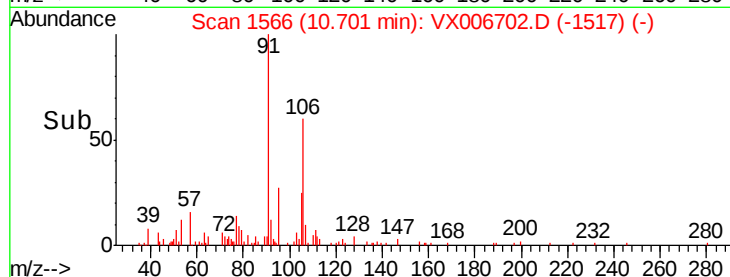
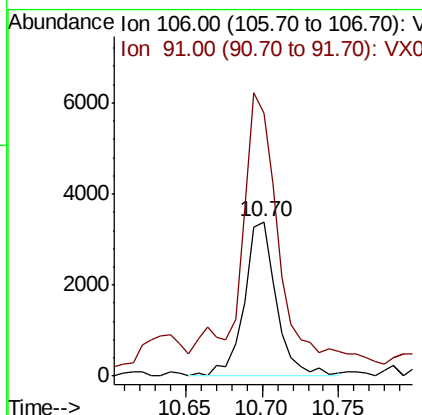
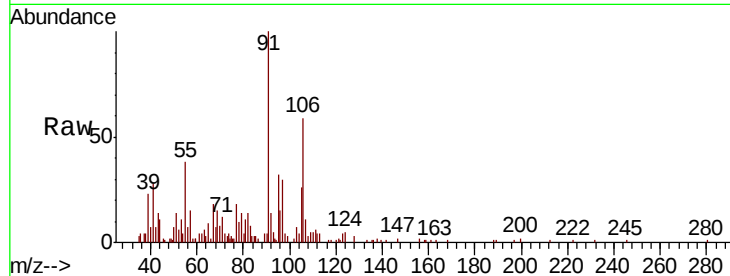




#69
o-Xylene
Concen: 0.399 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006702.D
Acq: 21 Dec 2018 03:48

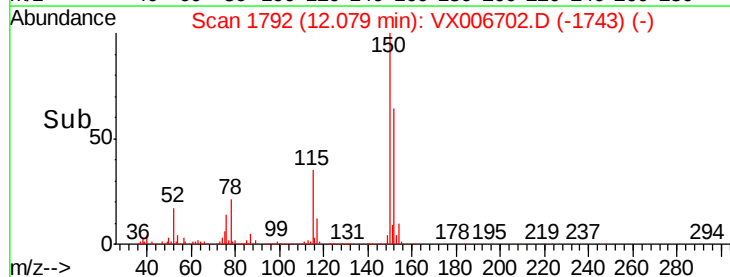
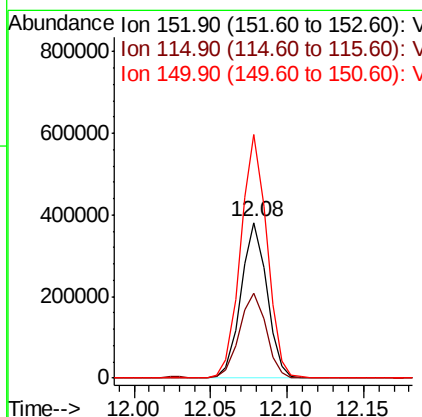
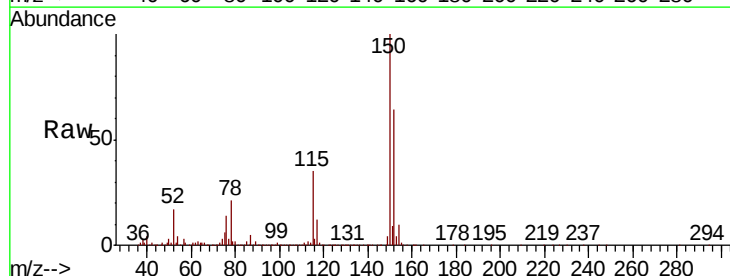
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-121918

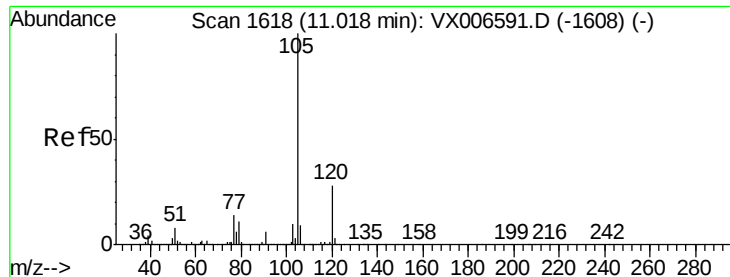
Tot Ion:106 Resp: 4962
Ion Ratio Lower Upper
106 100
91 184.8 101.3 303.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006702.D
Acq: 21 Dec 2018 03:48

Tgt Ion:152 Resp: 451009
Ion Ratio Lower Upper
152 100
115 55.5 39.1 117.2
150 157.4 0.0 344.8





#73

Isopropylbenzene

Concen: 39.324 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

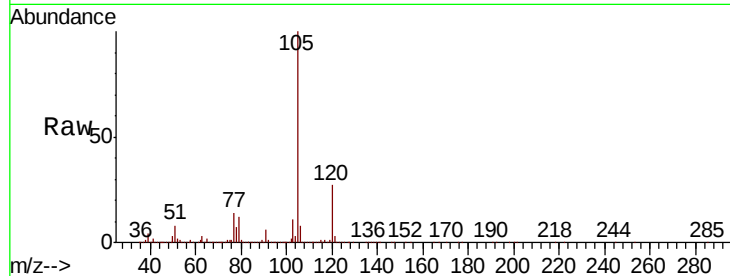
T3-MW-2-9.0-121918

Tot Ion:105 Resp: 1213335

Ion Ratio Lower Upper

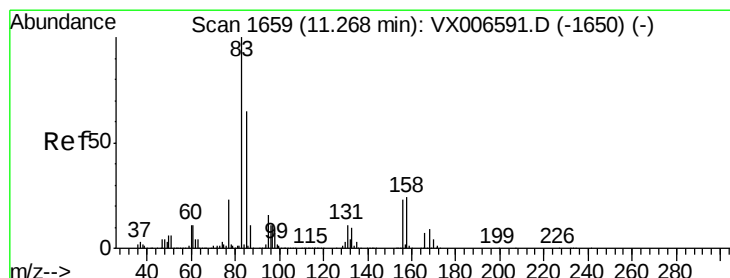
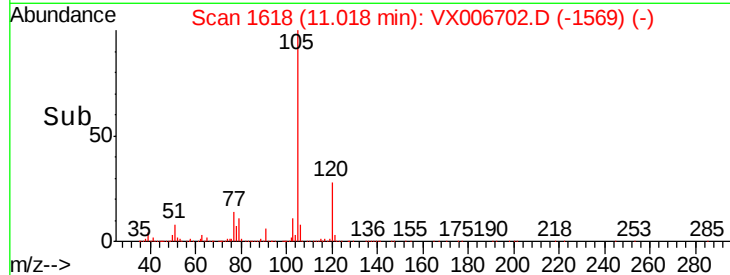
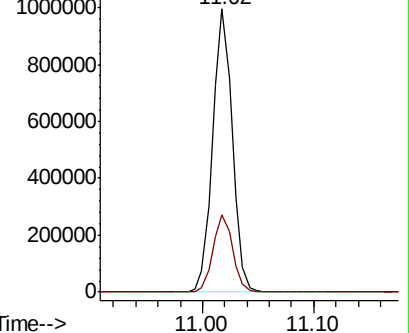
105 100

120 27.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 0.218 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

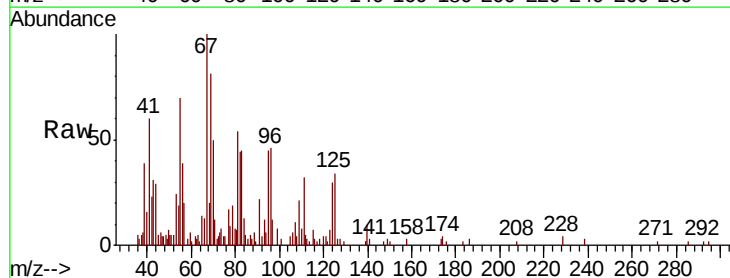
Tgt Ion: 83 Resp: 1996

Ion Ratio Lower Upper

83 100

131 2.2 5.7 17.1#

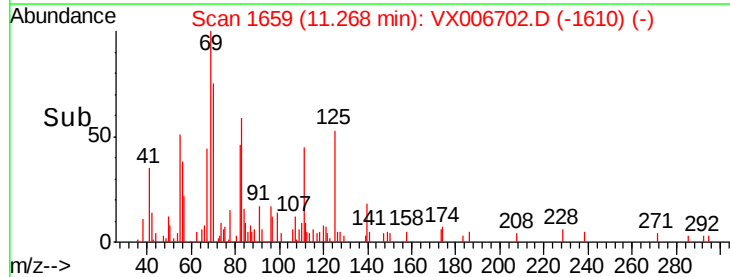
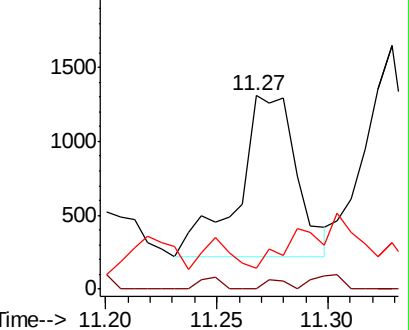
85 0.0 32.2 96.6#

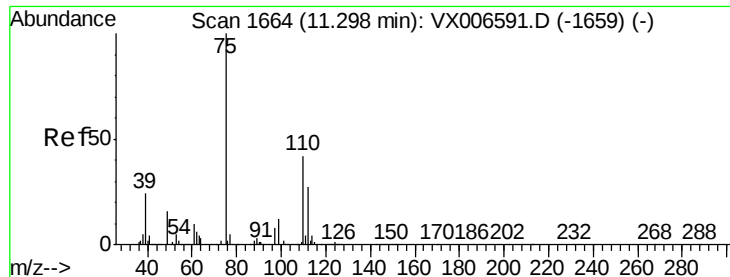


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

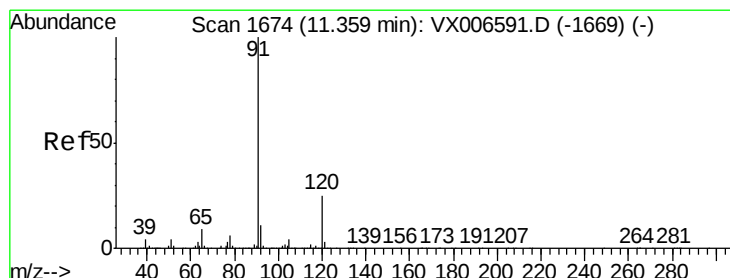
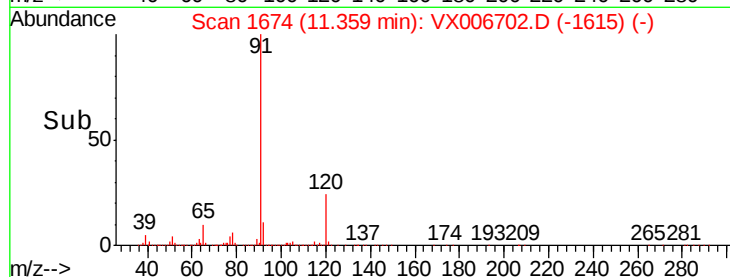
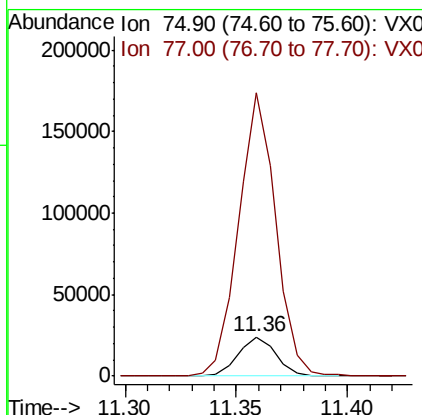
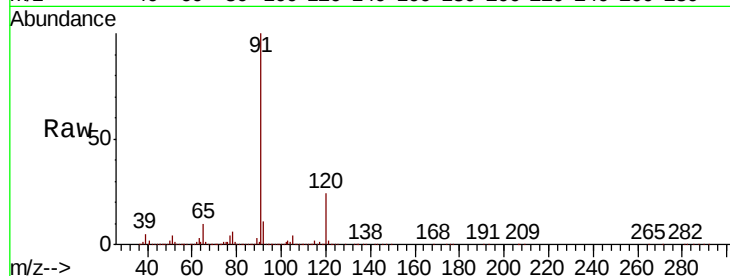




#76
 1,2,3-Trichloropropane
 Concen: 3.438 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.06 min
 Lab File: VX006702.D
 Acq: 21 Dec 2018 03:48

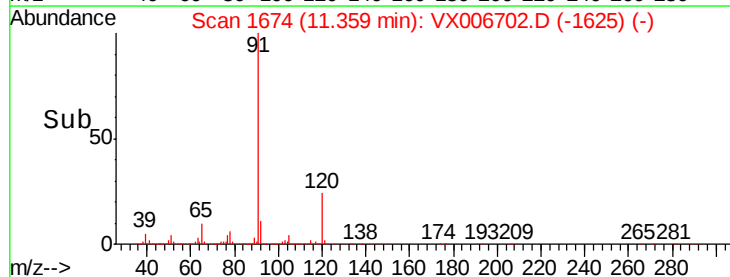
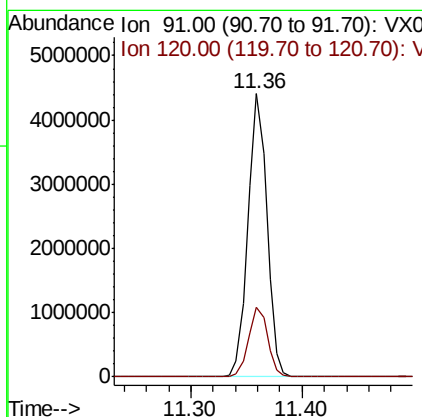
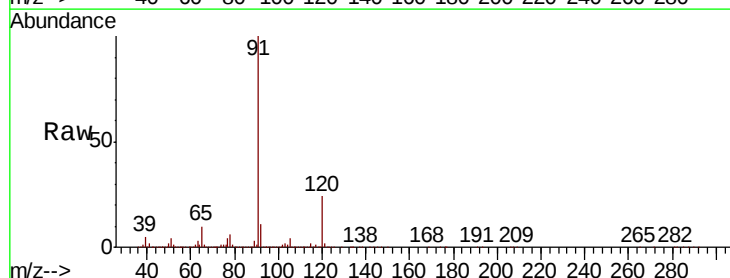
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-2-9.0-121918

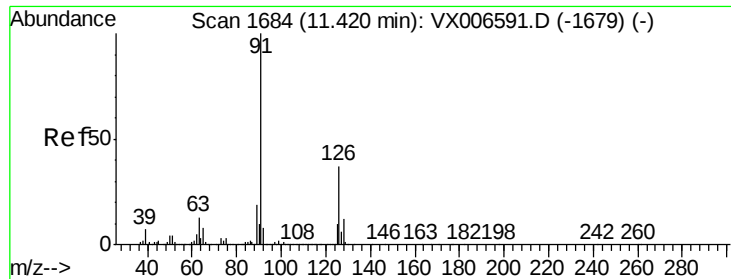
Tot Ion: 75 Resp: 28816
 Ion Ratio Lower Upper
 75 100
 77 697.1 18.5 55.5#



#78
 n-propylbenzene
 Concen: 153.756 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX006702.D
 Acq: 21 Dec 2018 03:48

Tgt Ion: 91 Resp: 5224151
 Ion Ratio Lower Upper
 91 100
 120 24.7 12.7 38.0





#79

2-Chlorotoluene

Concen: 253.719 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

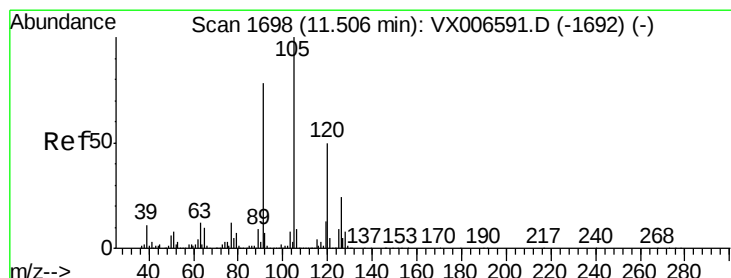
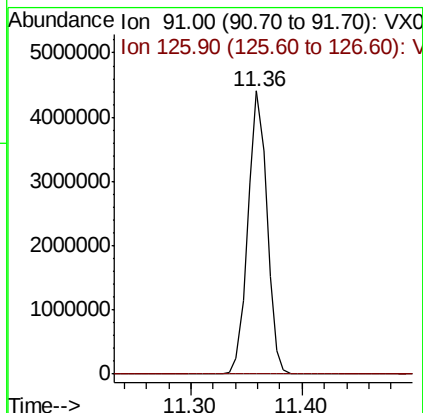
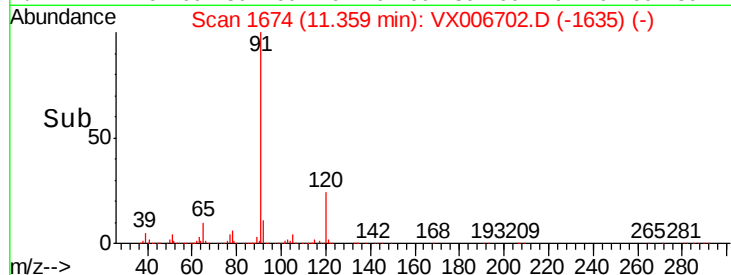
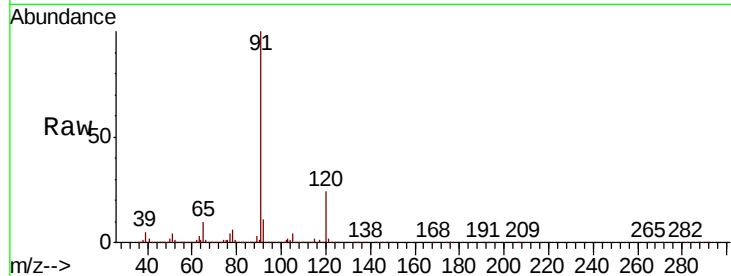
T3-MW-2-9.0-121918

Tot Ion: 91 Resp: 5224151

Ion Ratio Lower Upper

91 100

126 0.0 18.6 56.0#



#80

1,3,5-Trimethylbenzene

Concen: 17.171 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. 0.16 min

Lab File: VX006702.D

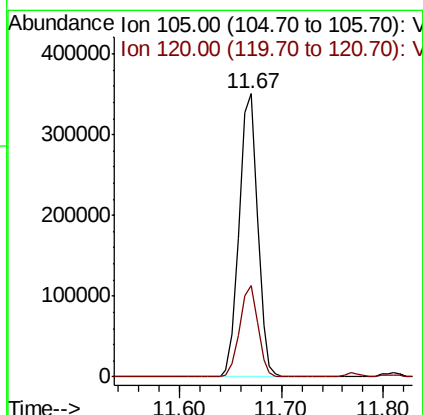
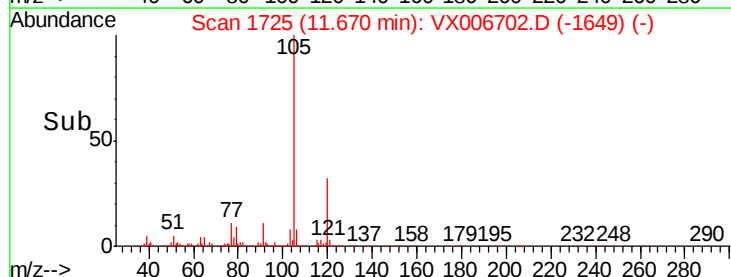
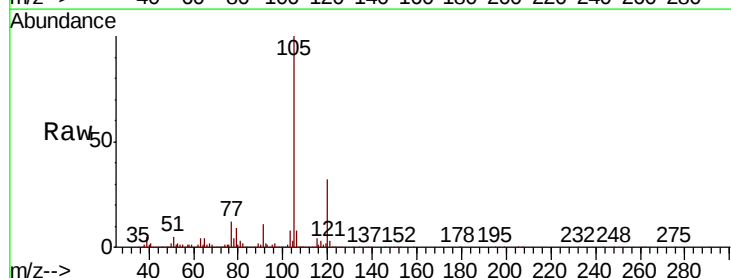
Acq: 21 Dec 2018 03:48

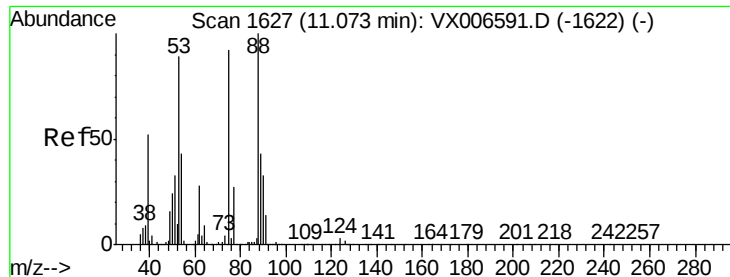
Tgt Ion:105 Resp: 436384

Ion Ratio Lower Upper

105 100

120 31.8 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 8.341 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

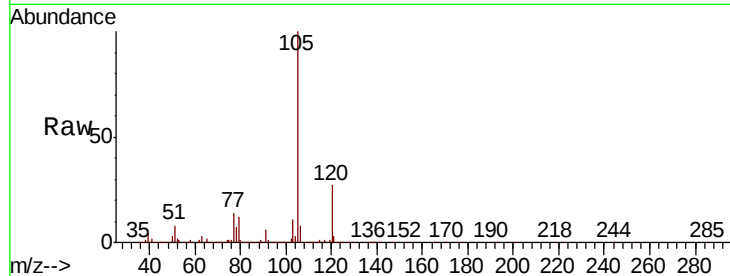
Tot Ion: 75 Resp: 12362

Ion Ratio Lower Upper

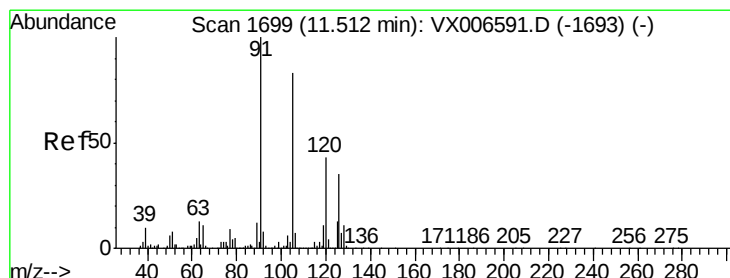
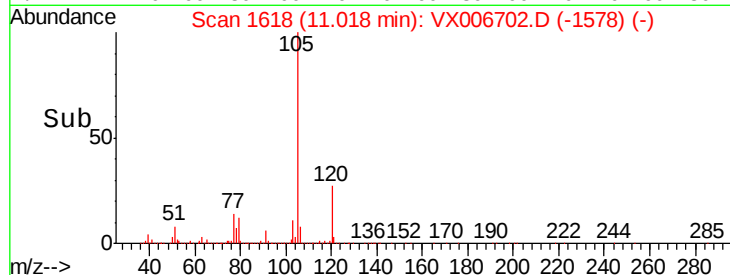
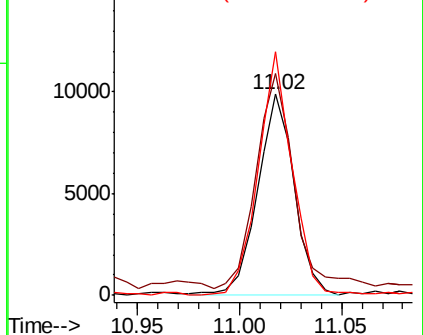
75 100

53 111.3 79.7 119.5

89 113.4 38.0 57.0#



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: 221.188 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX006702.D

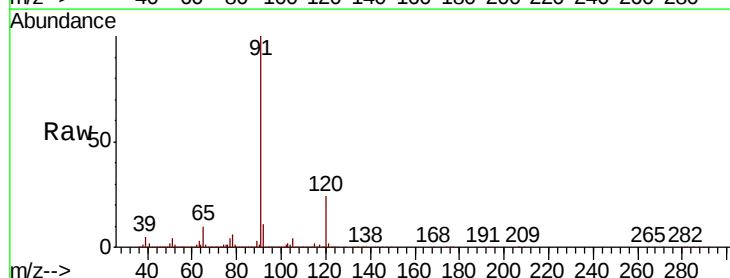
Acq: 21 Dec 2018 03:48

Tgt Ion: 91 Resp: 5224151

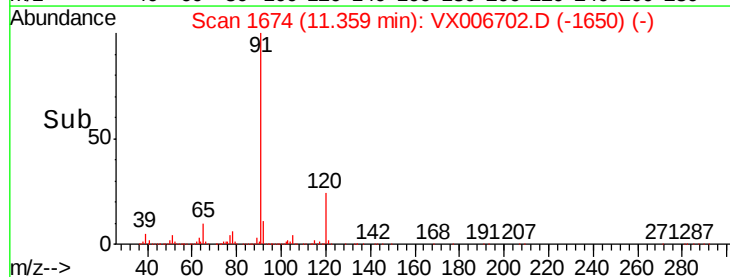
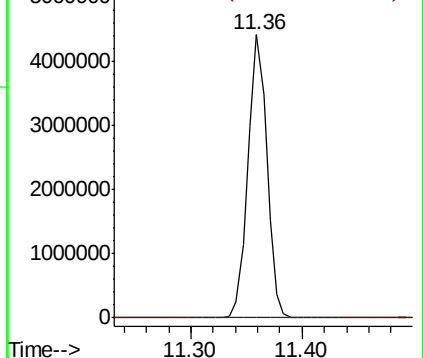
Ion Ratio Lower Upper

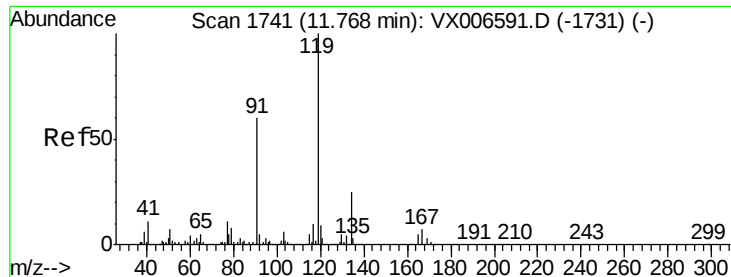
91 100

126 0.0 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.591 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

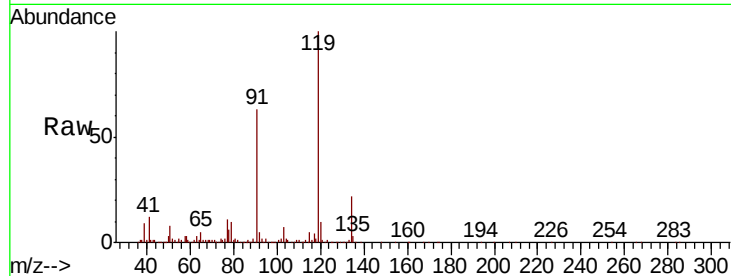
Tot Ion:119 Resp: 65908

Ion Ratio Lower Upper

119 100

91 62.1 27.7 83.1

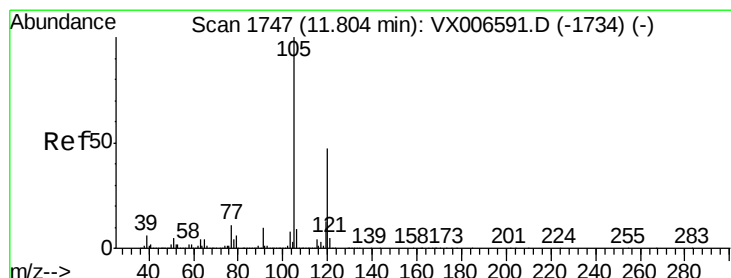
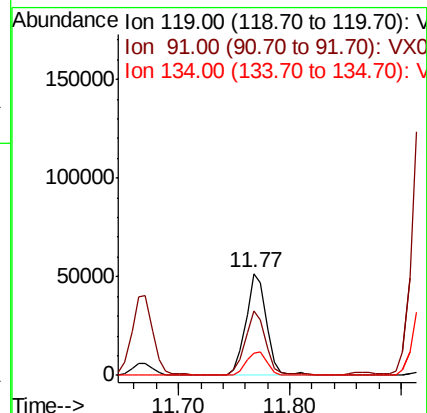
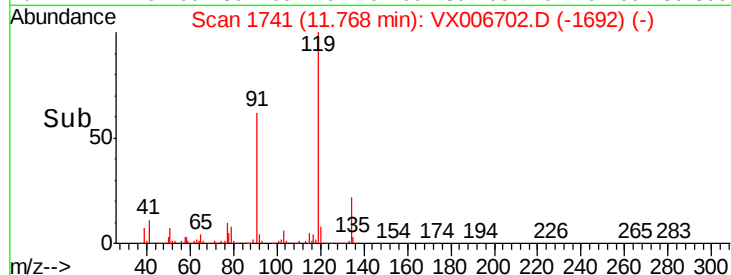
134 24.0 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.325 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. -0.13 min

Lab File: VX006702.D

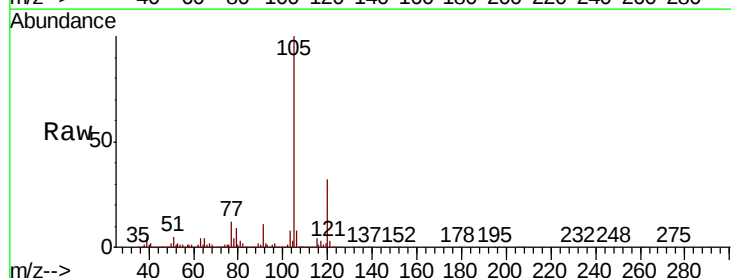
Acq: 21 Dec 2018 03:48

Tgt Ion:105 Resp: 436384

Ion Ratio Lower Upper

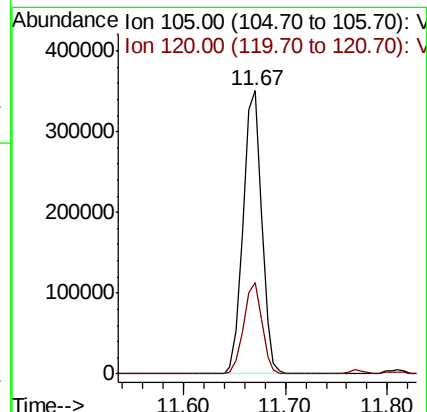
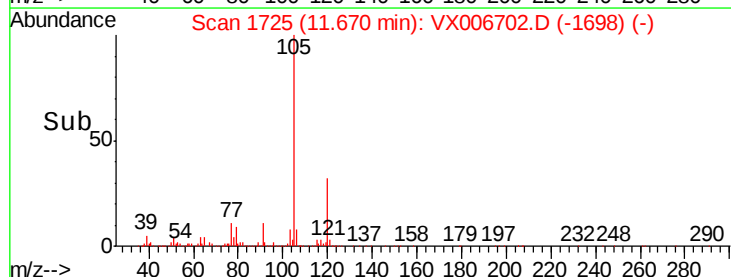
105 100

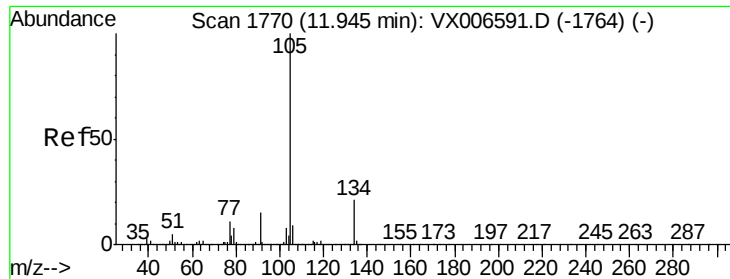
120 31.8 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 13.301 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

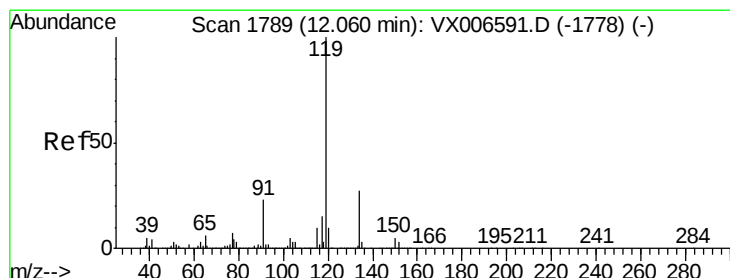
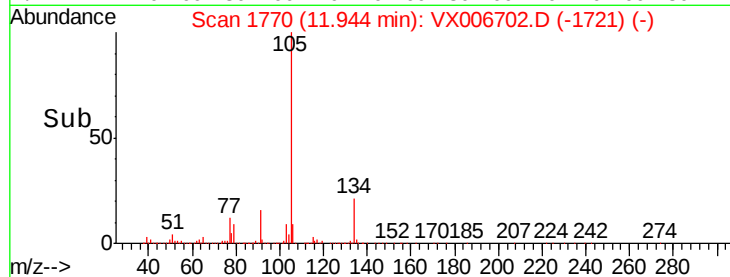
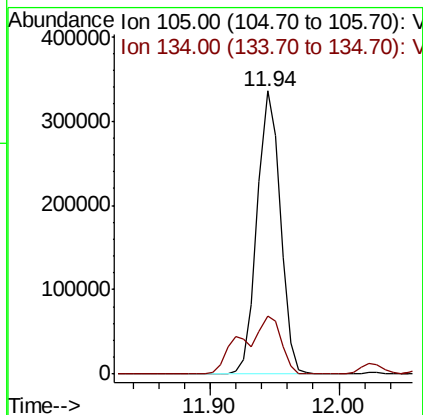
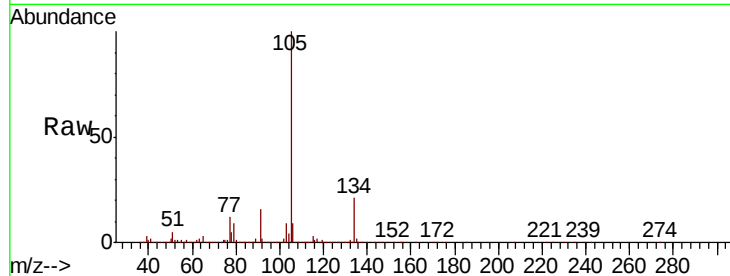
T3-MW-2-9.0-121918

Tot Ion:105 Resp: 414803

Ion Ratio Lower Upper

105 100

134 34.5 10.7 31.9#



#86

p-Isopropyltoluene

Concen: 9.195 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

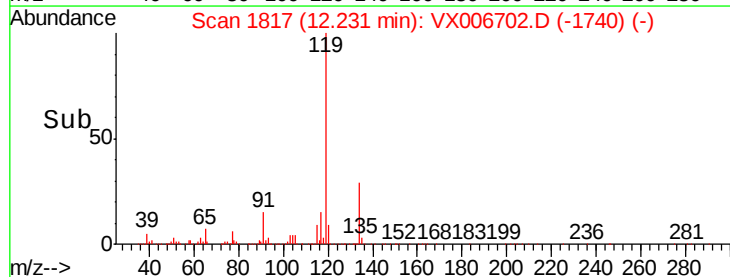
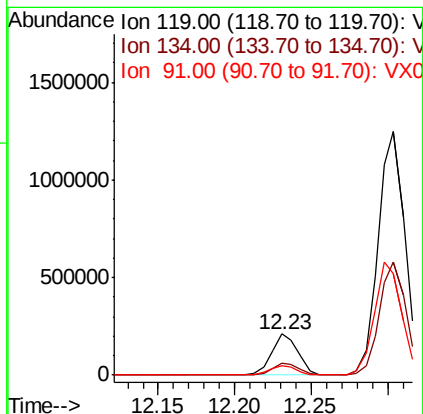
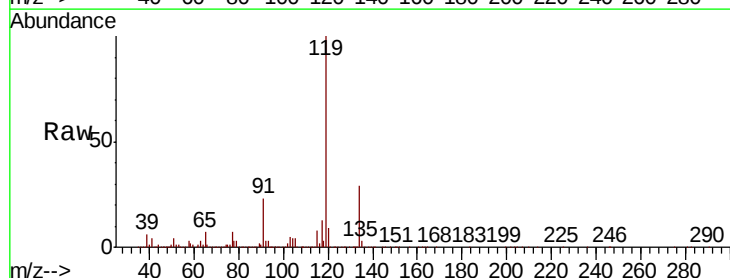
Tgt Ion:119 Resp: 252051

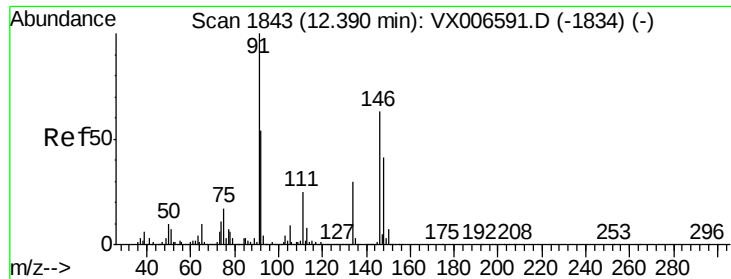
Ion Ratio Lower Upper

119 100

134 29.6 14.0 41.9

91 23.0 11.3 33.9

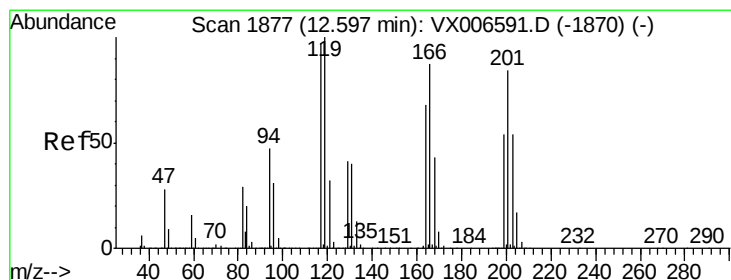
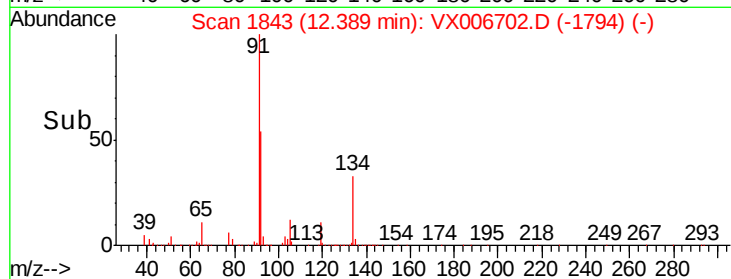
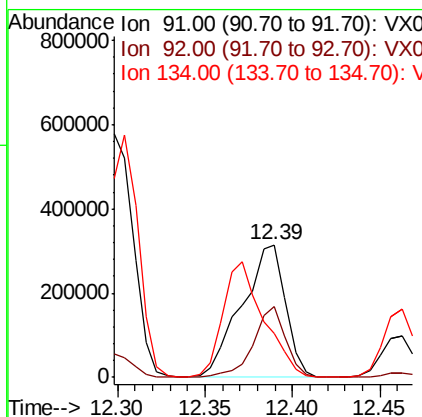
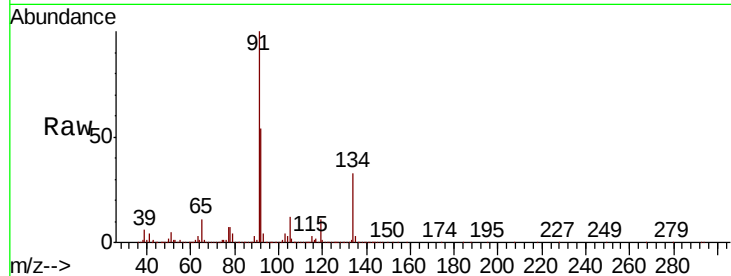




#89
n-Butylbenzene
Concen: 23.356 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006702.D
Acq: 21 Dec 2018 03:48

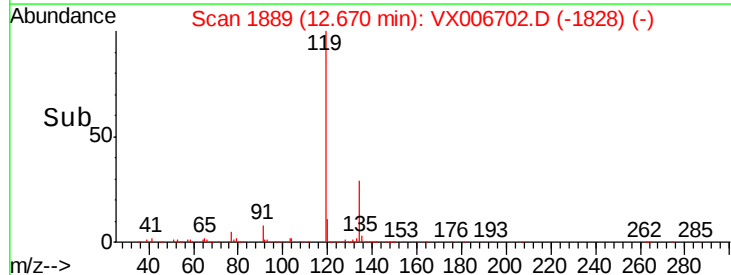
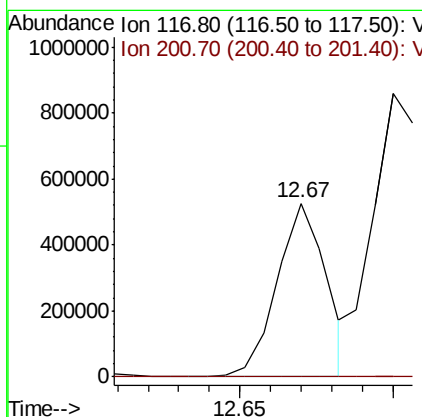
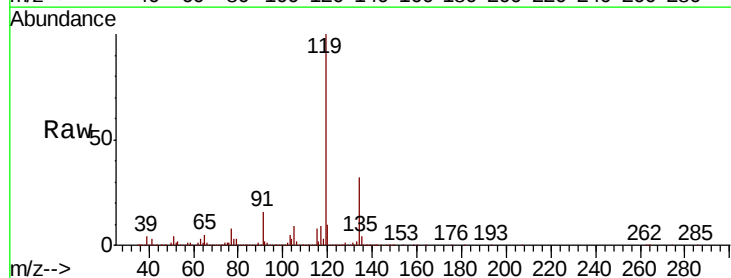
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-121918

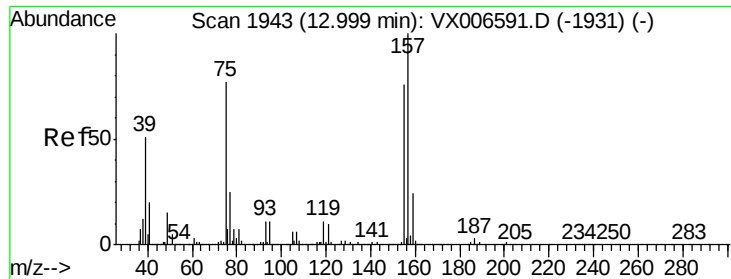
Tot Ion: 91 Resp: 544878
Ion Ratio Lower Upper
91 100
92 39.5 26.8 80.4
134 80.9 14.4 43.2#



#90
Hexachloroethane
Concen: 131.026 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX006702.D
Acq: 21 Dec 2018 03:48

Tgt Ion: 117 Resp: 586642
Ion Ratio Lower Upper
117 100
201 0.0 42.9 128.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 7.769 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-121918

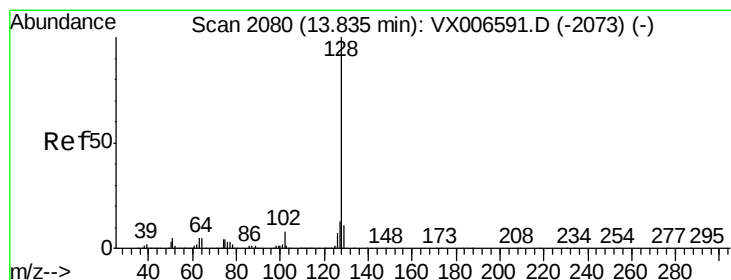
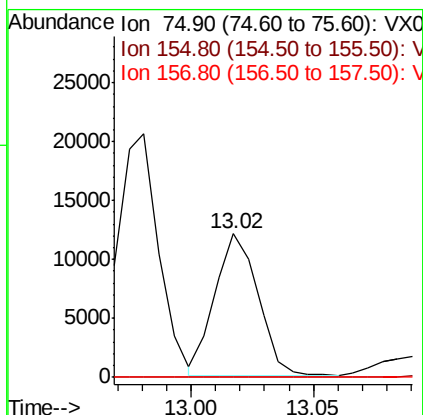
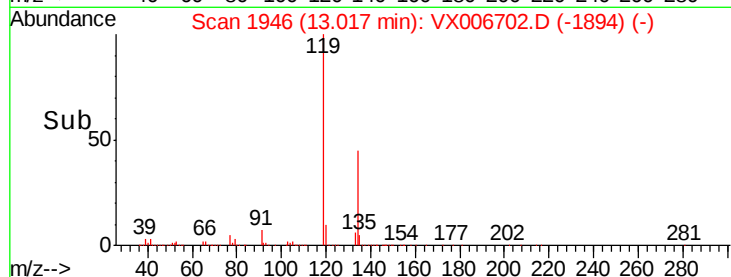
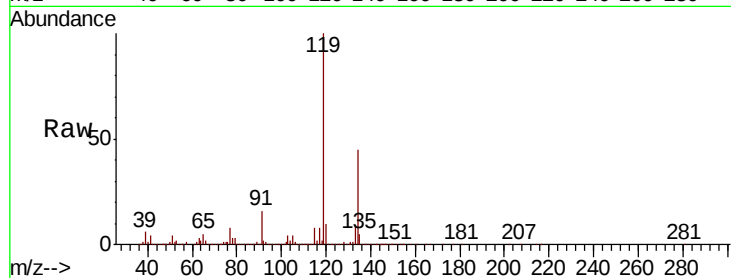
Tot Ion: 75 Resp: 14751

Ion Ratio Lower Upper

75 100

155 0.2 50.6 151.8#

157 0.0 64.6 193.8#



#95

Naphthalene

Concen: 0.408 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006702.D

Acq: 21 Dec 2018 03:48

Tgt Ion:128 Resp: 13518

Ion Ratio Lower Upper

128 100

127 25.3 10.1 15.1#

129 58.8 8.6 13.0#

