

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006704.D
 Acq On : 21 Dec 2018 04:41
 Operator : JC/MD
 Sample : J6517-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-121918

Quant Time: Dec 21 07:49:23 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	5.66	168	657103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	1014615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	945180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	454938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	345391	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
35) Dibromofluoromethane	5.51	113	298089	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	8.71	98	1205492	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.14	95	452107	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

					Qvalue	
5) Bromomethane	1.65	94	645	Below Cal		84
6) Chloroethane	1.62	64	3332	0.711	ug/l #	55
11) Tert butyl alcohol	3.07	59	6949	4.397	ug/l #	72
13) Acrolein	2.29	56	627	0.588	ug/l #	13
14) Allyl chloride	2.85	41	16393	1.659	ug/l #	64
15) Acrylonitrile	3.17	53	6729	1.918	ug/l #	43
16) Acetone	2.45	43	29671	9.119	ug/l	97
18) Methyl Acetate	2.84	43	39396	4.118	ug/l #	53
20) Methylene Chloride	2.87	84	1588	0.236	ug/l #	66
22) Diisopropyl ether	3.87	45	4264	0.236	ug/l #	73
25) 2-Butanone	4.70	43	14665	3.204	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	1556	0.217	ug/l	90
28) Bromochloromethane	5.00	49	256	Below Cal	#	54
31) Cyclohexane	5.58	56	239056	24.382	ug/l	92
36) 1,1-Dichloropropene	5.66	75	40215	4.786	ug/l #	50
38) Carbon Tetrachloride	5.66	117	62151	7.610	ug/l #	14
39) Methylcyclohexane	7.46	83	517119	46.742	ug/l	97
40) Benzene	6.15	78	132684	5.194	ug/l	99
41) Methacrylonitrile	5.06	41	3861	0.831	ug/l #	32
43) Isopropyl Acetate	6.45	43	13609	1.023	ug/l #	65
44) Trichloroethene	7.21	130	5169	0.669	ug/l	67
46) Dibromomethane	7.63	93	1234	0.270	ug/l #	1
47) Bromodichloromethane	7.85	83	5705	0.752	ug/l #	95
48) Methyl methacrylate	7.73	41	45026	6.653	ug/l #	50
49) 1,4-Dioxane	7.79	88	274	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.67	43	12650	1.494	ug/l #	49
52) Toluene	8.79	92	29806	1.806	ug/l	97
55) 1,1,2-Trichloroethane	9.27	97	3589	0.531	ug/l #	37
56) Ethyl methacrylate	9.16	69	22371	2.343	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.27	63	1716	0.338	ug/l #	53
59) 2-Hexanone	9.51	43	2456	0.379	ug/l	87
60) Dibromochloromethane	9.60	129	79	2.335	ug/l	72
67) Ethyl Benzene	10.25	91	201430	6.165	ug/l	97
68) m/p-Xylenes	10.36	106	24936	1.934	ug/l	96

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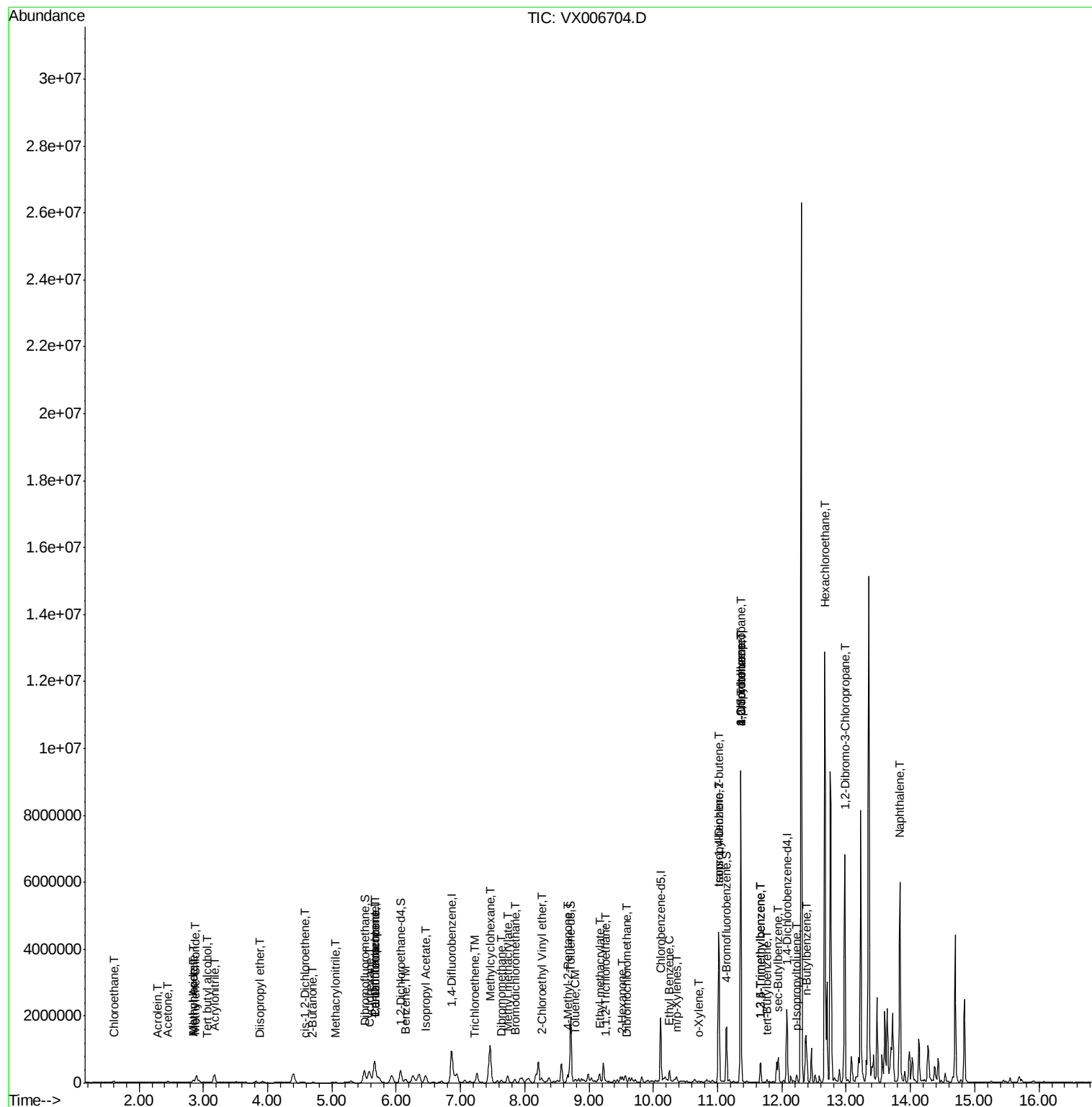
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) o-Xylene	10.70	106	5081	0.399	ug/l	97
73) Isopropylbenzene	11.02	105	2392237	76.863	ug/l	99
76) 1,2,3-Trichloropropane	11.36	75	33443	3.956	ug/l #	1
78) n-propylbenzene	11.36	91	5727991	167.129	ug/l	99
79) 2-Chlorotoluene	11.36	91	5727991	275.786	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.67	105	287484	11.214	ug/l	74
81) trans-1,4-Dichloro-2-buten	11.02	75	24779	12.396	ug/l #	65
82) 4-Chlorotoluene	11.36	91	5727991	240.426	ug/l #	42
83) tert-Butylbenzene	11.77	119	30058	1.172	ug/l	89
84) 1,2,4-Trimethylbenzene	11.67	105	287484	10.662	ug/l	79
85) sec-Butylbenzene	11.94	105	400579	12.734	ug/l	98
86) p-Isopropyltoluene	12.23	119	98831	3.574	ug/l #	77
89) n-Butylbenzene	12.39	91	635504	27.005	ug/l #	78
90) Hexachloroethane	12.67	117	509351	113.239	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	12.98	75	20688	10.802	ug/l #	1
95) Naphthalene	13.83	128	3629700	108.681	ug/l	98

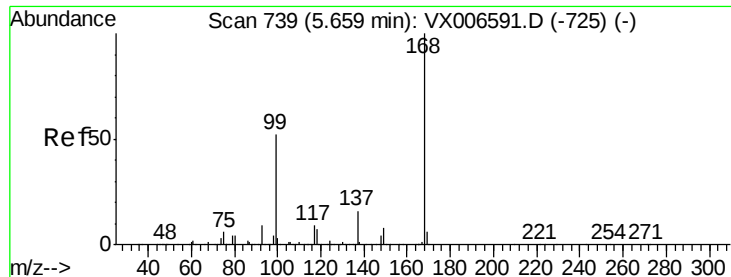
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

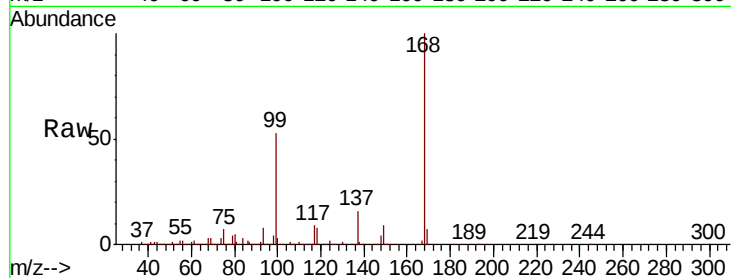
T2-MW-4-8.0-121918

Tot Ion:168 Resp: 657103

Ion Ratio Lower Upper

168 100

99 53.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

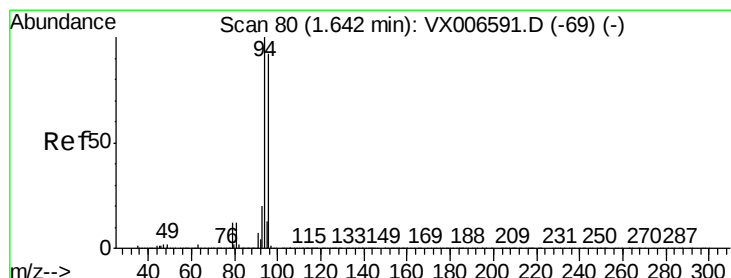
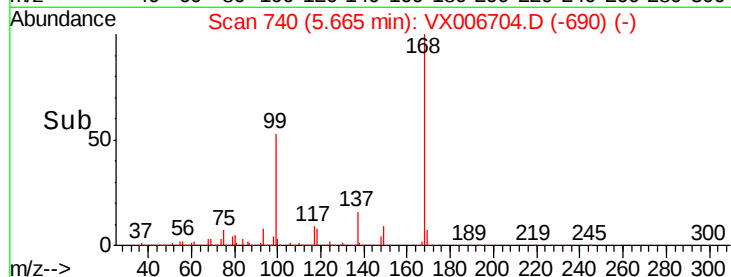
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006704.D

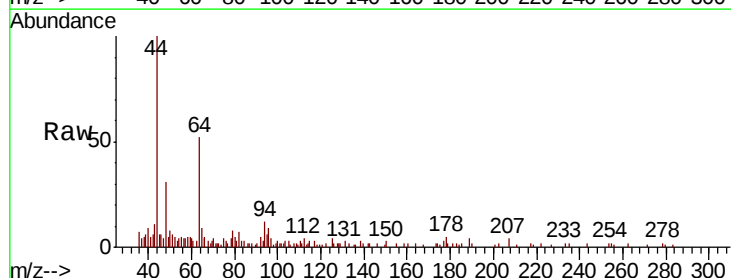
Acq: 21 Dec 2018 04:41

Tgt Ion: 94 Resp: 645

Ion Ratio Lower Upper

94 100

96 76.3 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

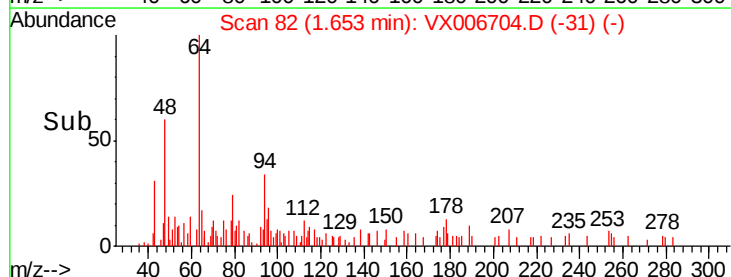
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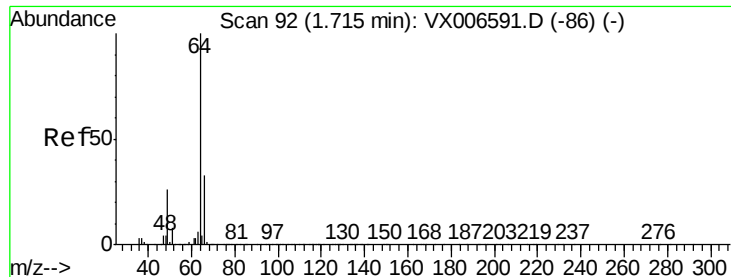
200

0

Time-->

1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.711 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.10 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

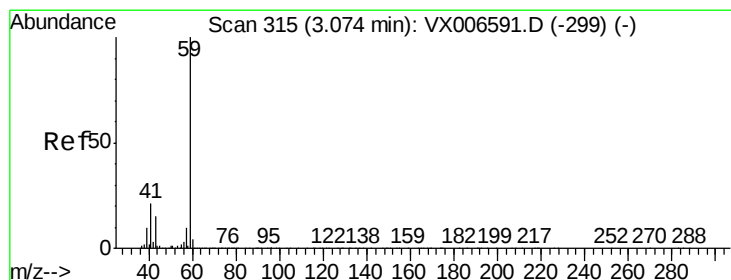
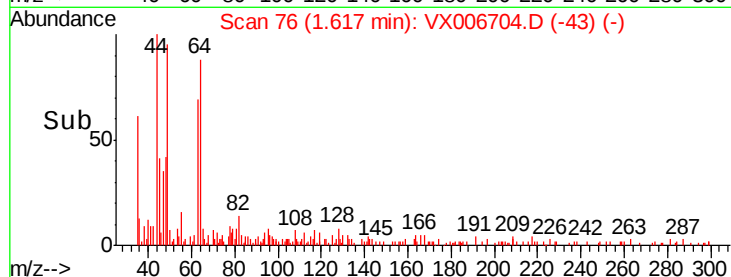
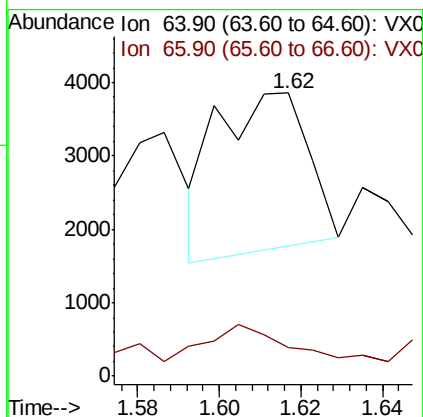
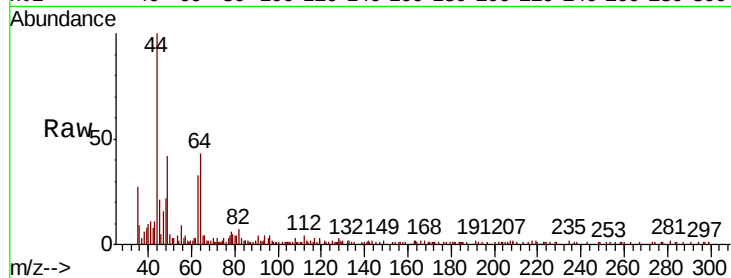
T2-MW-4-8.0-121918

Tot Ion: 64 Resp: 3332

Ion Ratio Lower Upper

64 100

66 7.5 26.4 39.6#



#11

Tert butyl alcohol

Concen: 4.397 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006704.D

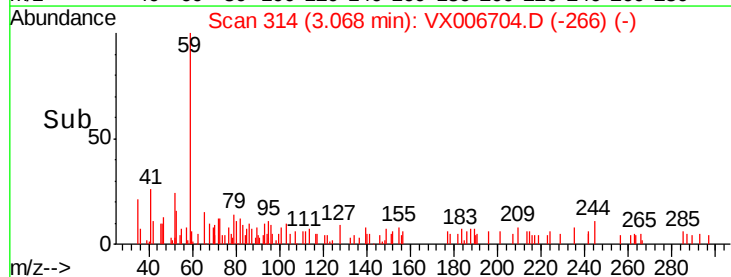
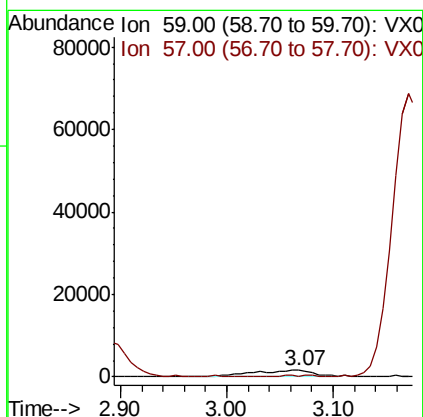
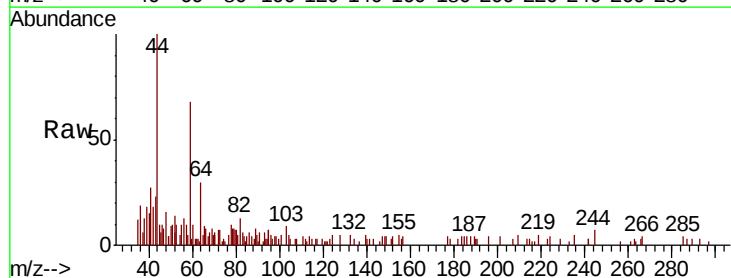
Acq: 21 Dec 2018 04:41

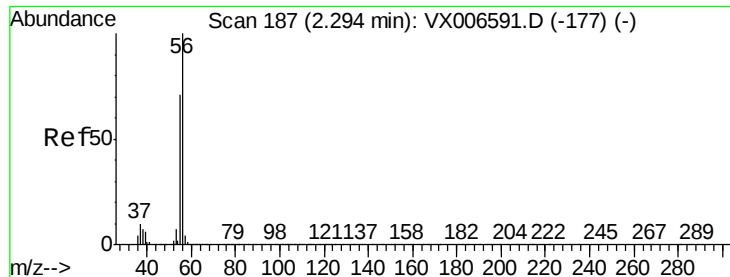
Tgt Ion: 59 Resp: 6949

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

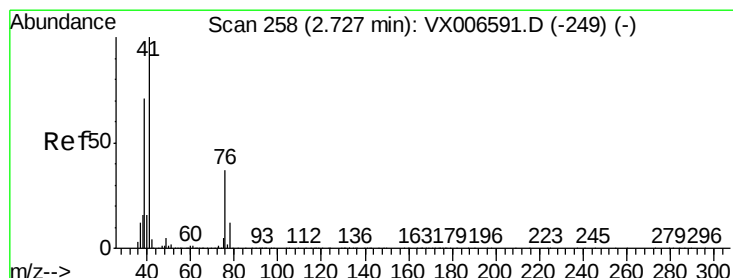
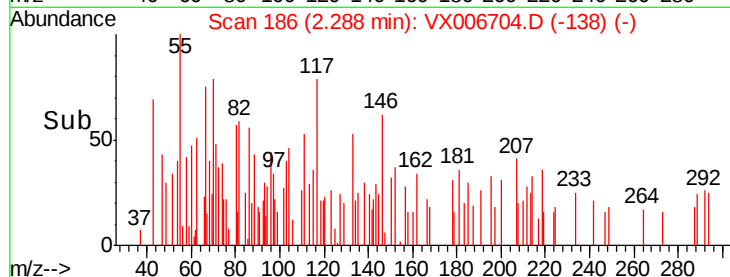
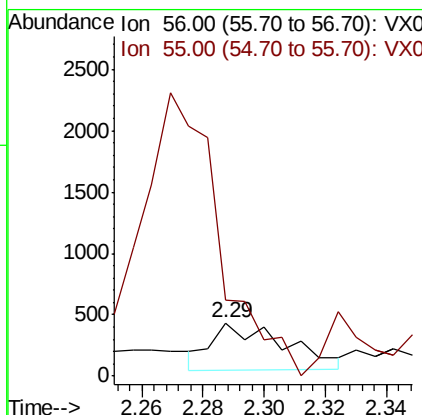
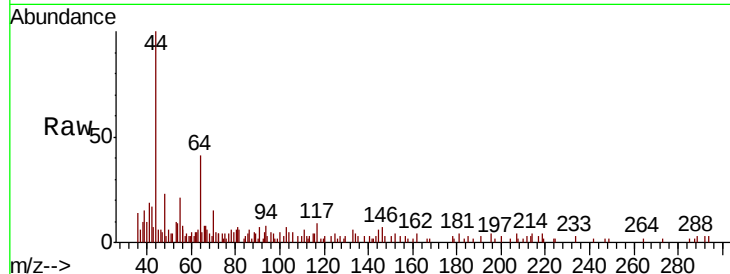




#13
Acrolein
Concen: 0.588 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

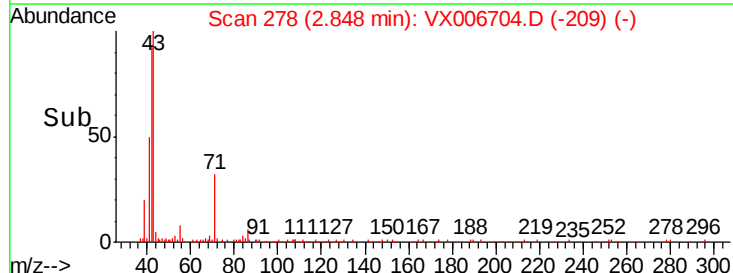
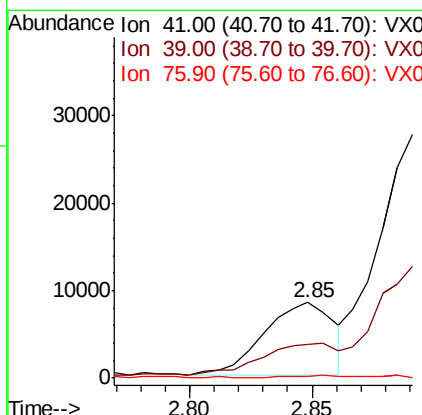
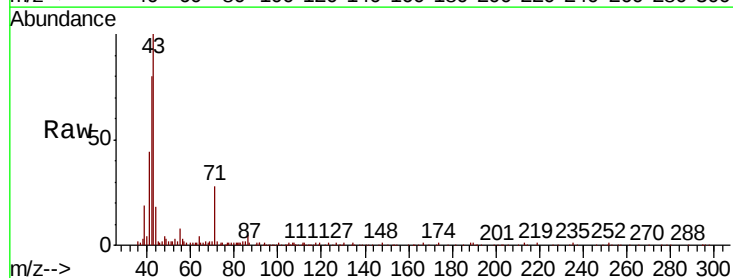
Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

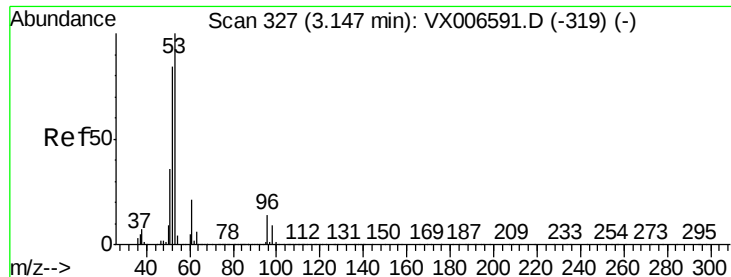
Tot Ion: 56 Resp: 627
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#



#14
Allyl chloride
Concen: 1.659 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.12 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion: 41 Resp: 16393
Ion Ratio Lower Upper
41 100
39 46.7 53.6 80.4#
76 1.2 27.4 41.2#





#15

Acrylonitrile

Concen: 1.918 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

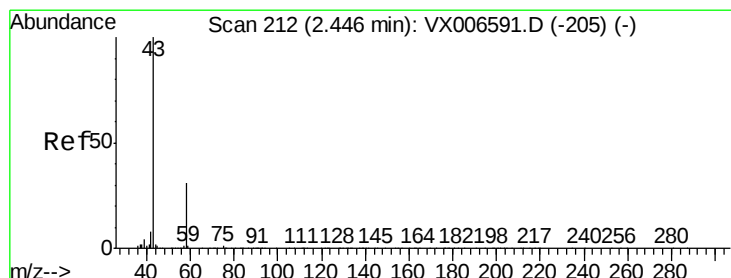
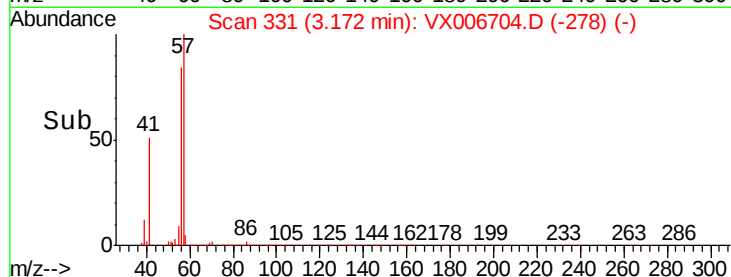
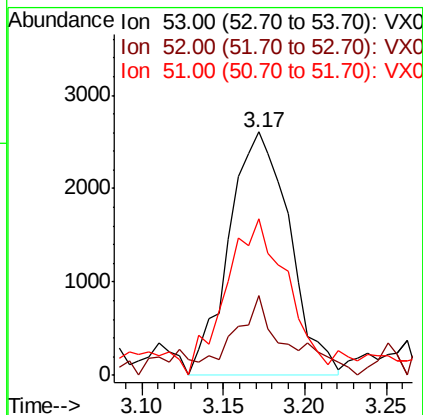
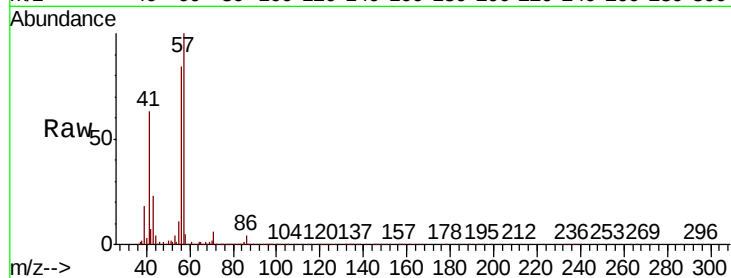
Tot Ion: 53 Resp: 6729

Ion Ratio Lower Upper

53 100

52 28.1 66.0 99.0#

51 65.1 28.6 42.8#



#16

Acetone

Concen: 9.119 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006704.D

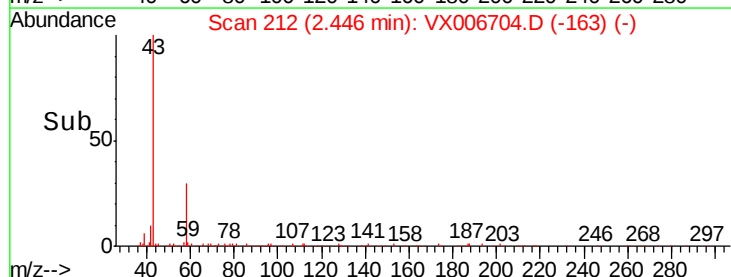
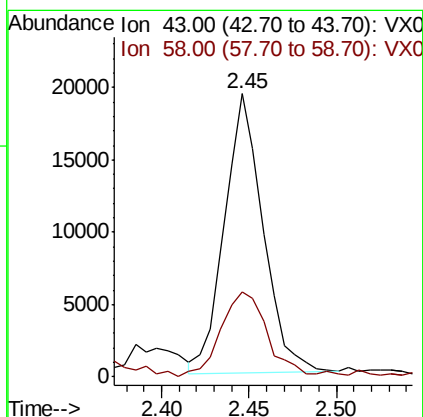
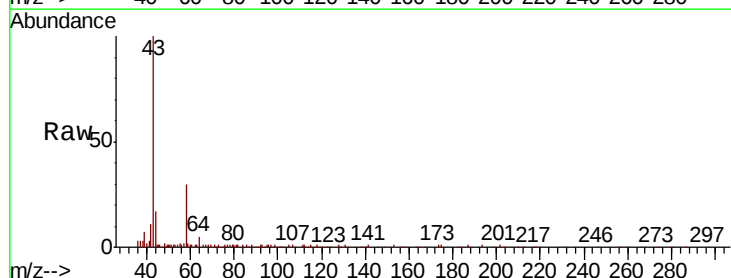
Acq: 21 Dec 2018 04:41

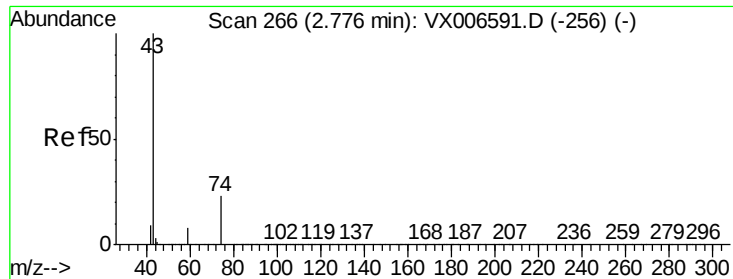
Tgt Ion: 43 Resp: 29671

Ion Ratio Lower Upper

43 100

58 29.4 25.0 37.6

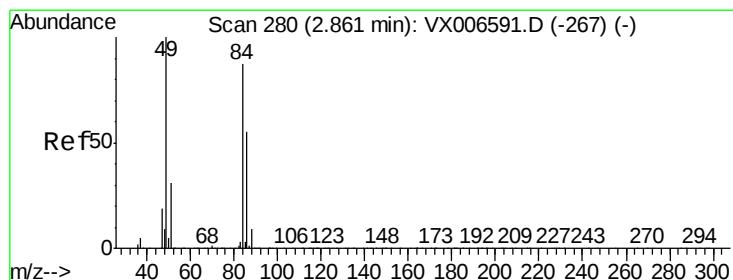
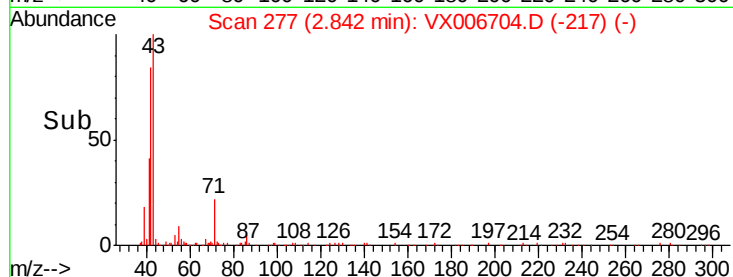
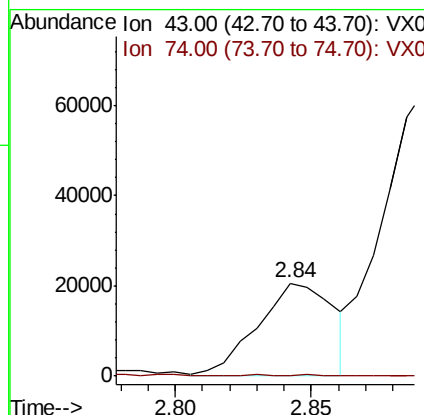
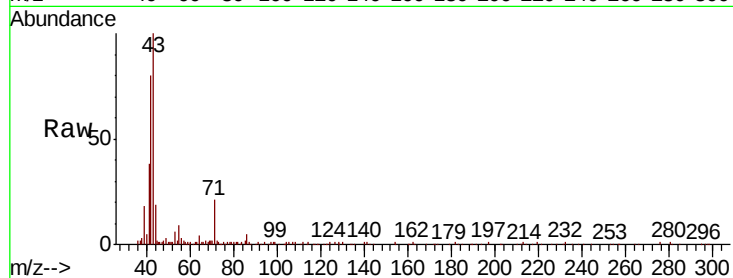




#18
Methyl Acetate
Concen: 4.118 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.07 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

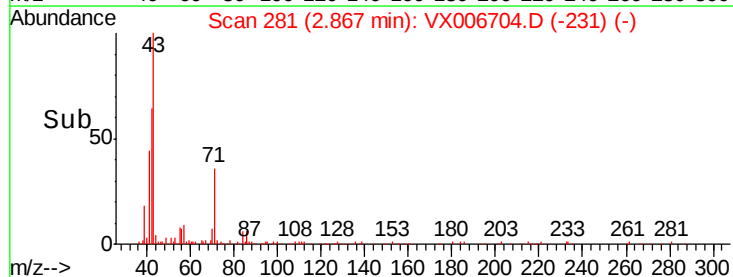
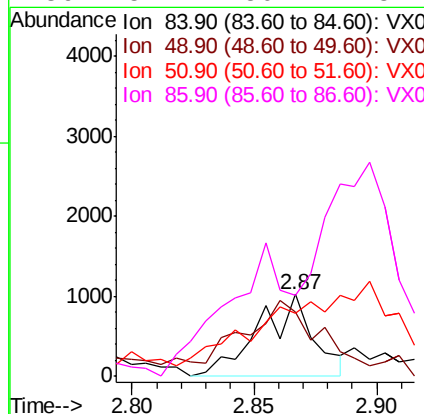
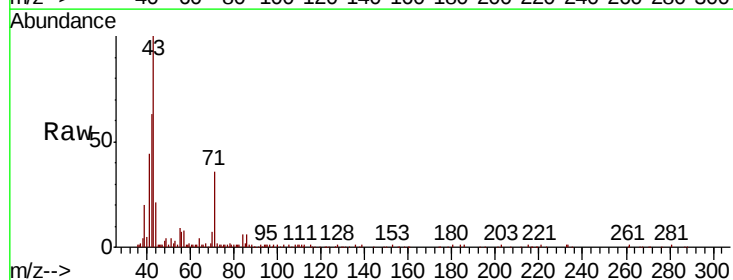
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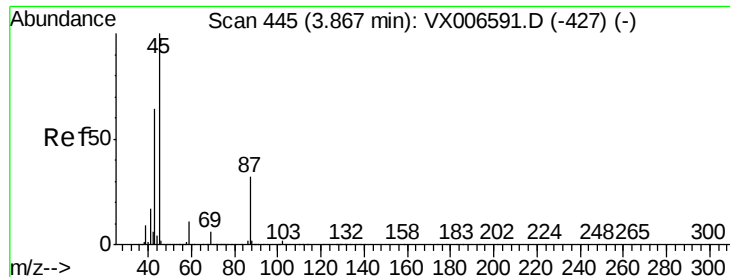
Tot Ion: 43 Resp: 39396
Ion Ratio Lower Upper
43 100
74 0.2 18.6 28.0#



#20
Methylene Chloride
Concen: 0.236 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion: 84 Resp: 1588
Ion Ratio Lower Upper
84 100
49 61.7 91.8 137.6#
51 55.2 28.5 42.7#
86 57.1 50.2 75.2





#22

Diisopropyl ether

Concen: 0.236 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion: 45 Resp: 4264

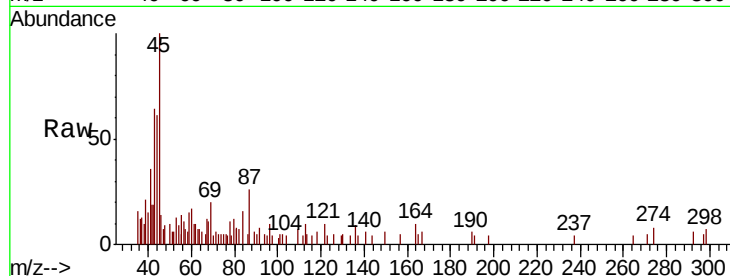
Ion Ratio Lower Upper

45 100

43 39.1 51.2 76.8#

87 21.2 25.8 38.6#

59 4.6 9.0 13.4#

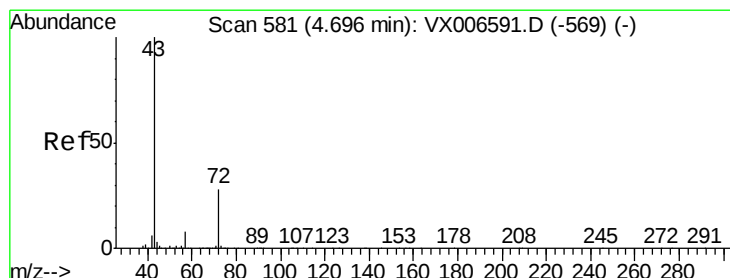
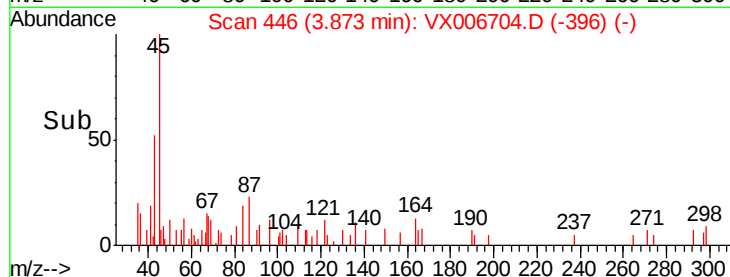
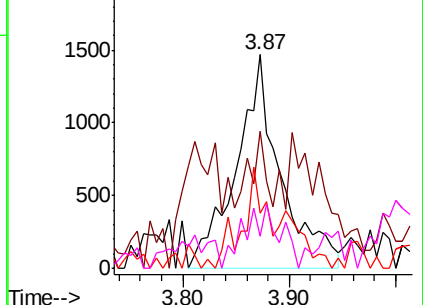


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#25

2-Butanone

Concen: 3.204 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006704.D

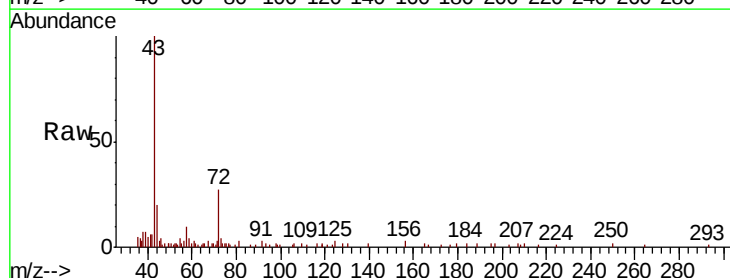
Acq: 21 Dec 2018 04:41

Tgt Ion: 43 Resp: 14665

Ion Ratio Lower Upper

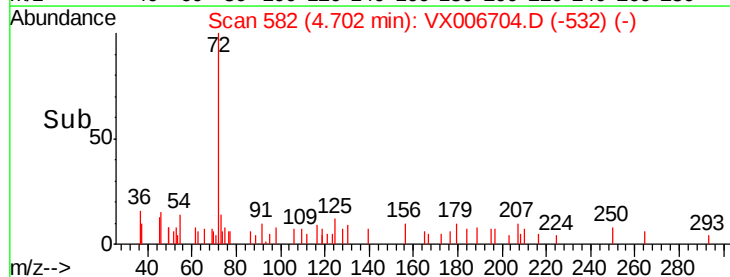
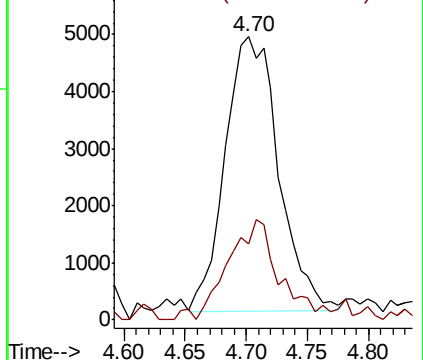
43 100

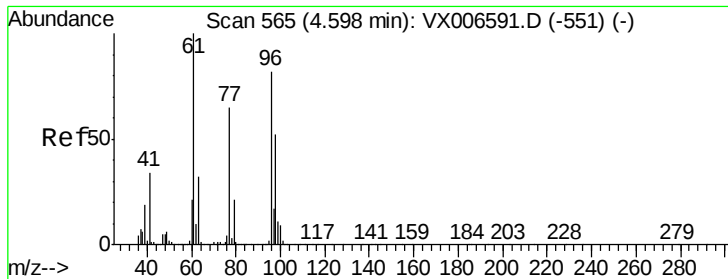
72 24.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



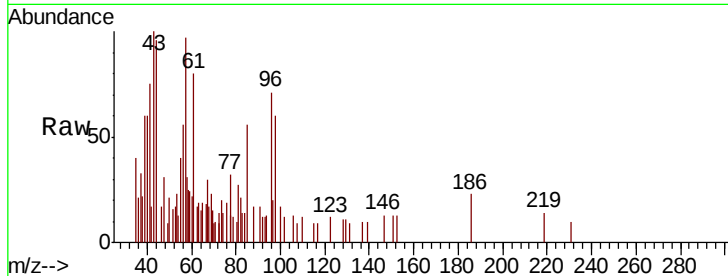


#27

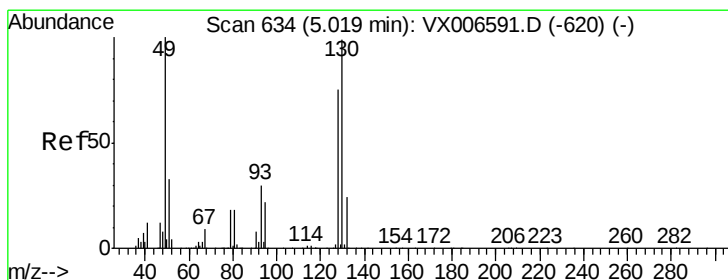
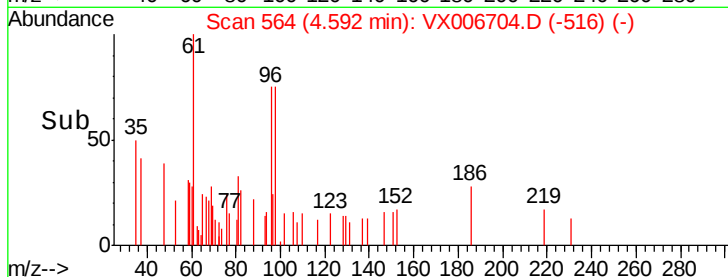
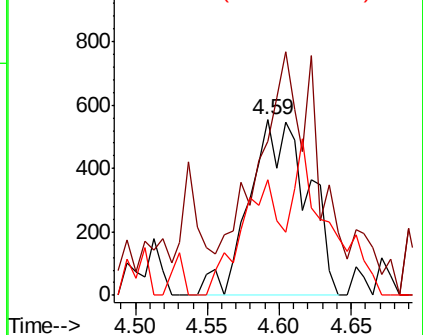
cis-1,2-Dichloroethene
 Concen: 0.217 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX006704.D
 Acq: 21 Dec 2018 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-121918

Tot Ion: 96 Resp: 1556
 Ion Ratio Lower Upper
 96 100
 61 131.4 0.0 258.6
 98 45.1 0.0 132.0



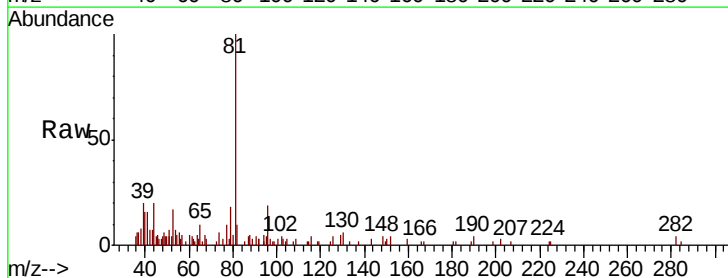
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



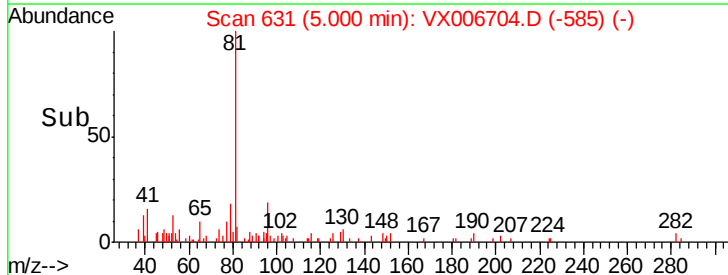
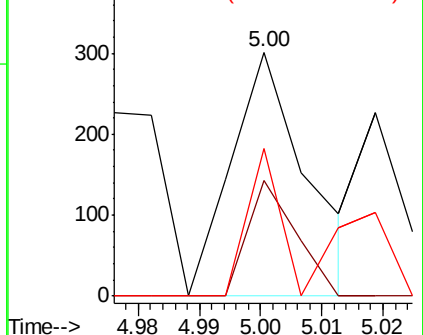
#28

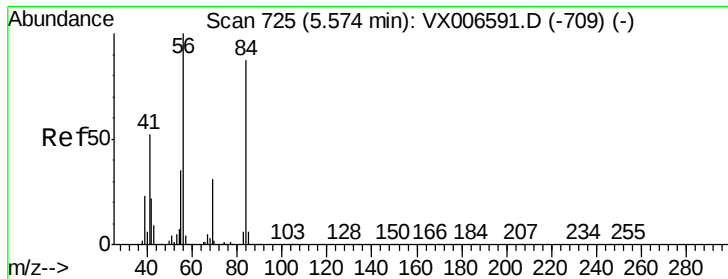
Bromochloromethane
 Concen: Below Cal
 RT: 5.00 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: VX006704.D
 Acq: 21 Dec 2018 04:41

Tgt Ion: 49 Resp: 256
 Ion Ratio Lower Upper
 49 100
 129 30.5 0.0 5.4#
 130 52.7 77.7 116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

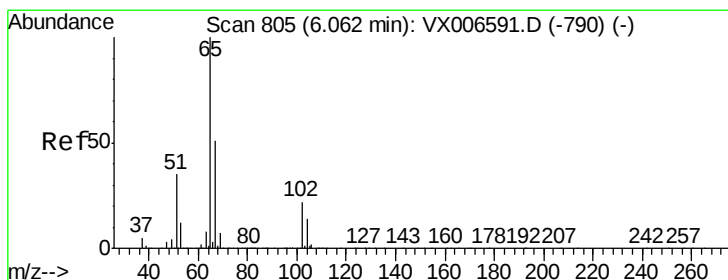
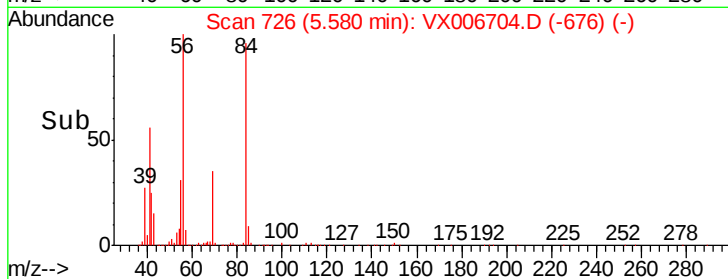
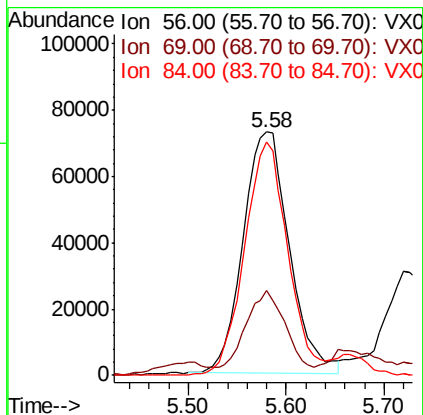
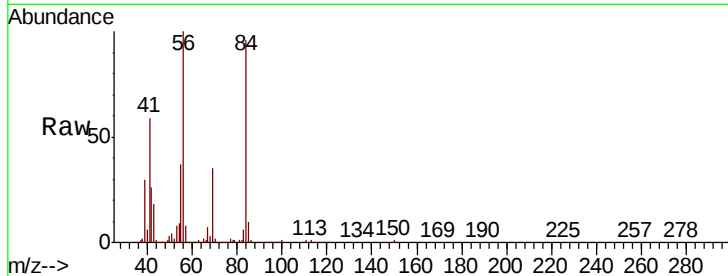




#31
Cyclohexane
Concen: 24.382 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

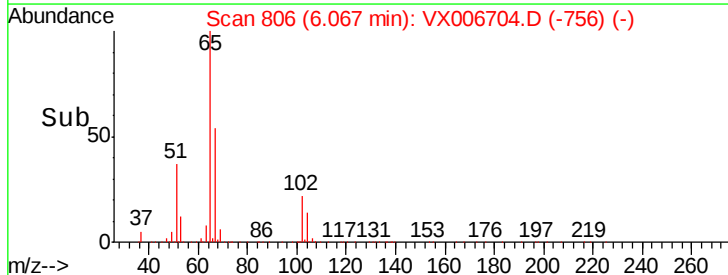
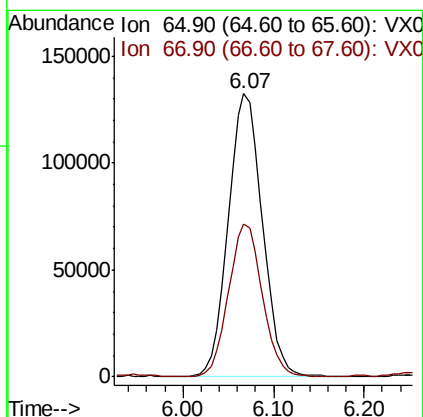
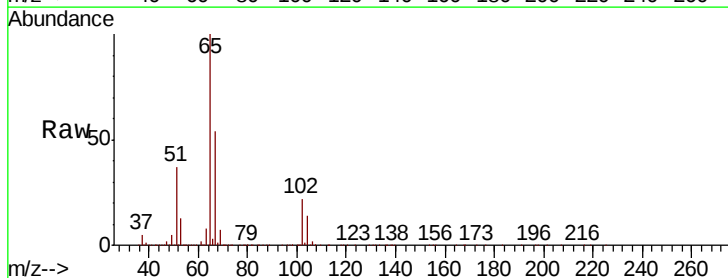
Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

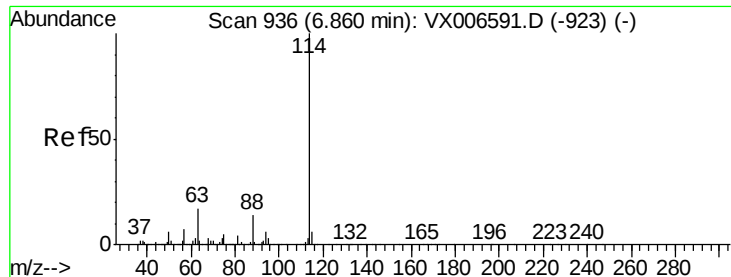
Tot Ion: 56 Resp: 239056
Ion Ratio Lower Upper
56 100
69 29.9 24.4 36.6
84 96.9 70.0 105.0



#33
1,2-Dichloroethane-d4
Concen: 48.770 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion: 65 Resp: 345391
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

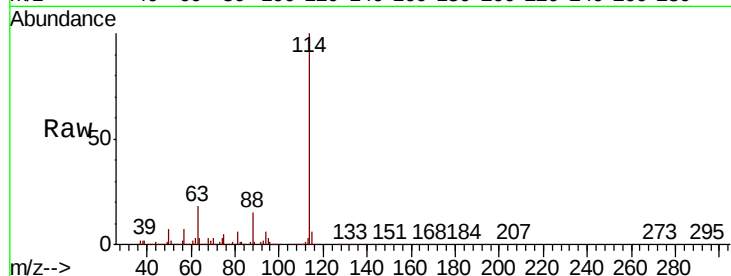
Tot Ion:114 Resp: 1014615

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

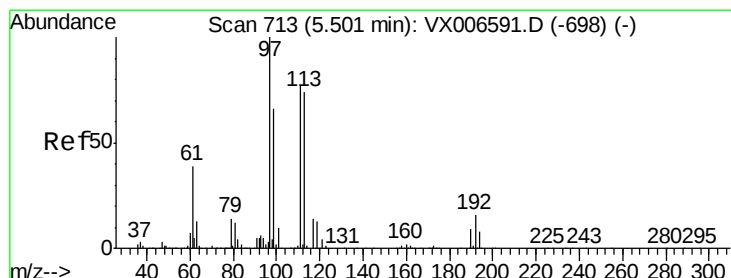
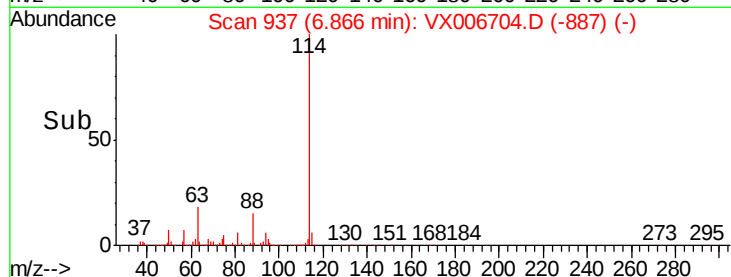
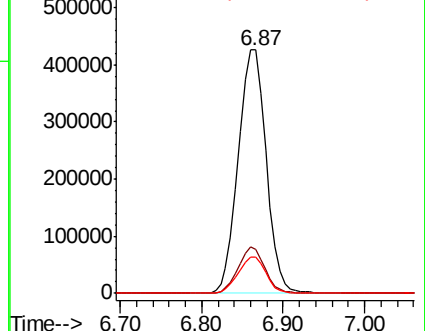
88 14.7 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 46.459 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

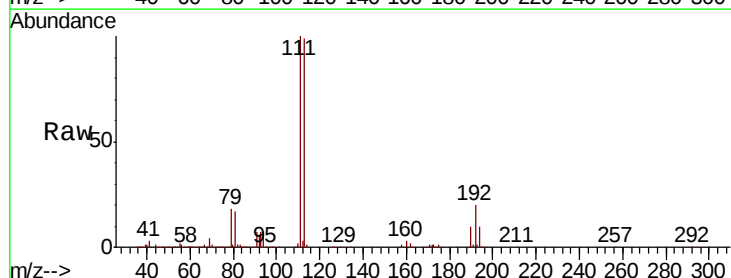
Tgt Ion:113 Resp: 298089

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

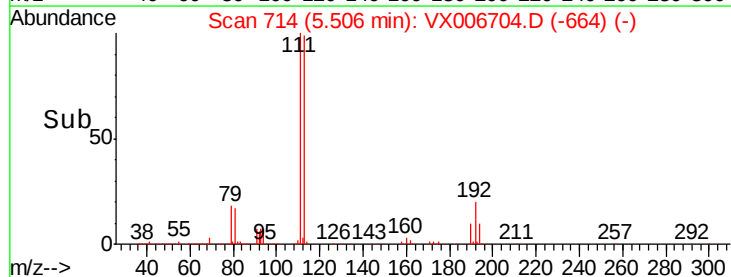
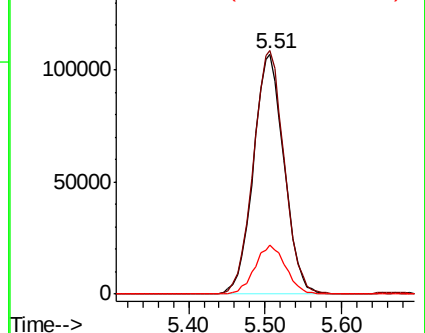
192 20.6 16.7 25.1

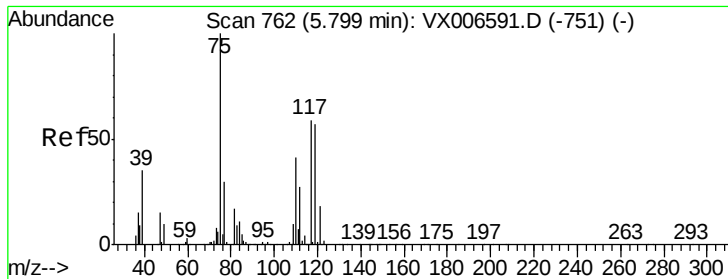


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

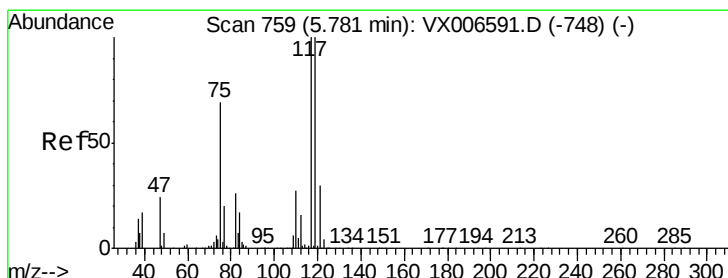
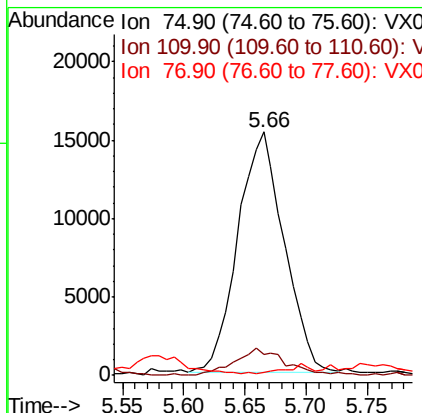
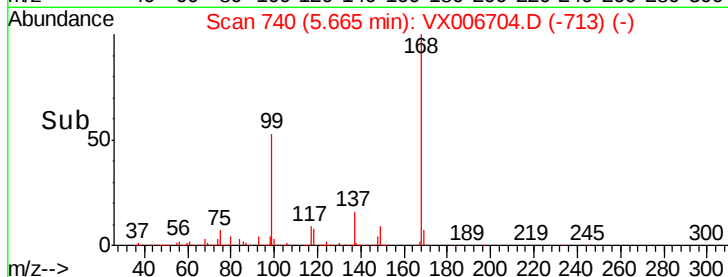
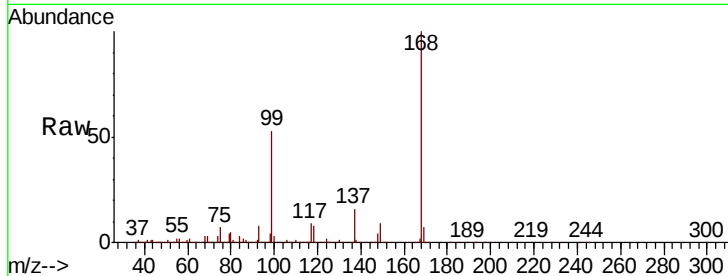




#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006704.D
 Acq: 21 Dec 2018 04:41

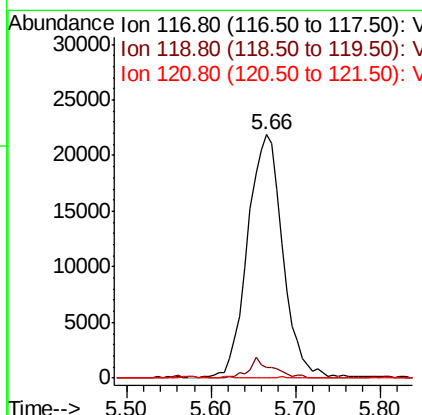
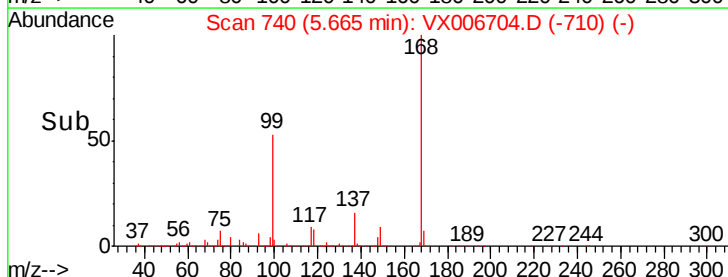
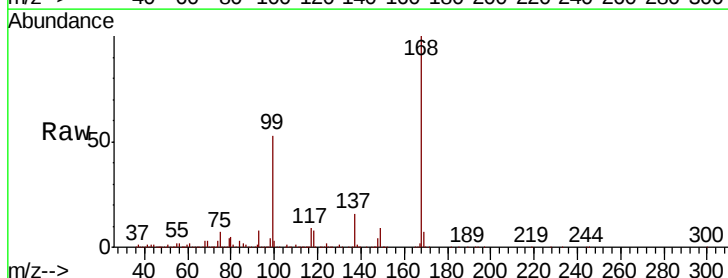
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-121918

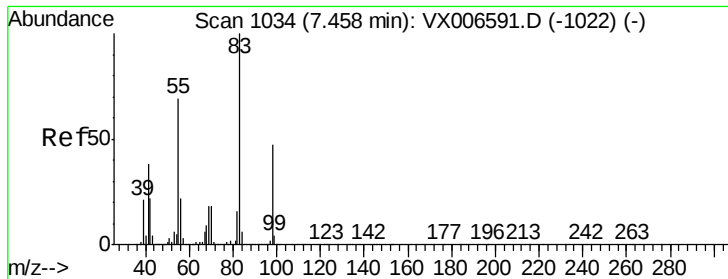
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.9	20.2	60.5#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.610 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006704.D
 Acq: 21 Dec 2018 04:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	79.4	119.2#
121	0.4	24.0	36.0#

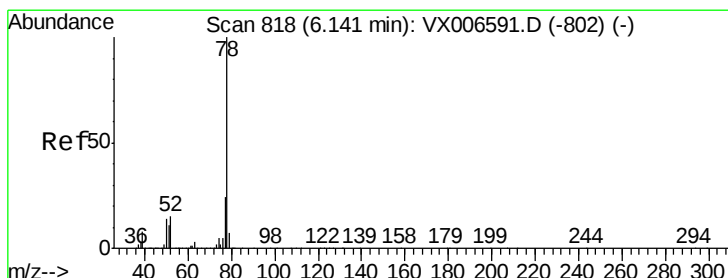
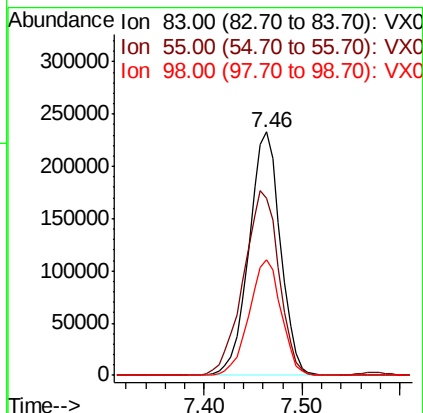
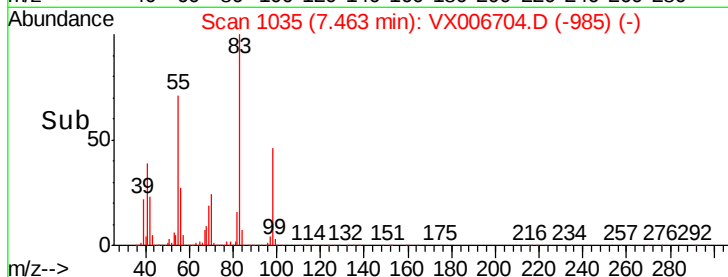
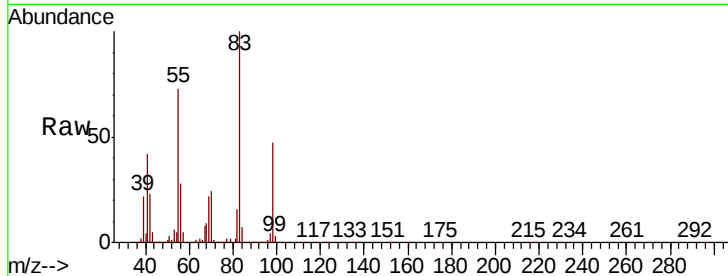




#39
Methvlcvclohexane
Concen: 46.742 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

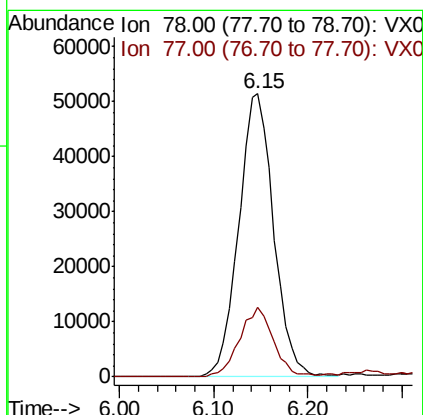
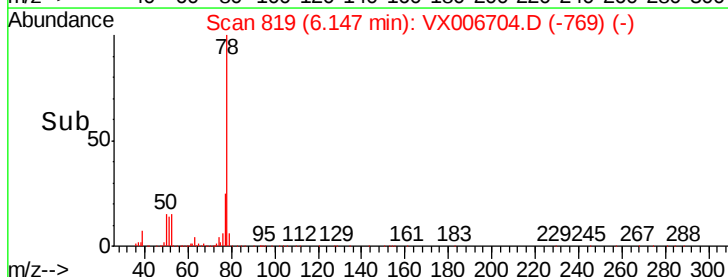
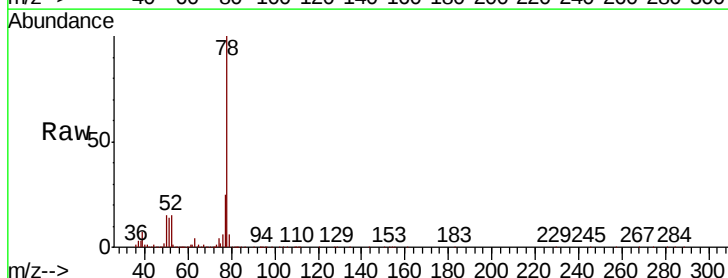
Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

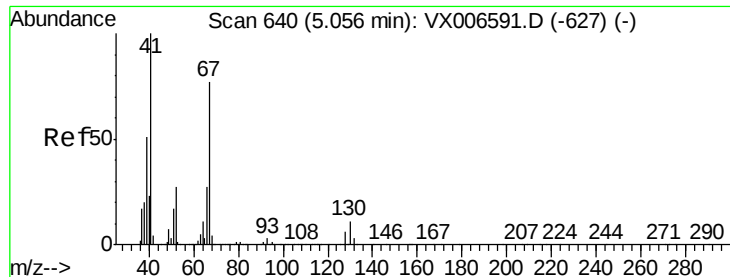
Tot Ion: 83 Resp: 517119
Ion Ratio Lower Upper
83 100
55 72.4 54.9 82.3
98 47.4 37.9 56.9



#40
Benzene
Concen: 5.194 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion: 78 Resp: 132684
Ion Ratio Lower Upper
78 100
77 24.6 19.2 28.8





#41

Methacrylonitrile

Concen: 0.831 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion: 41 Resp: 3861

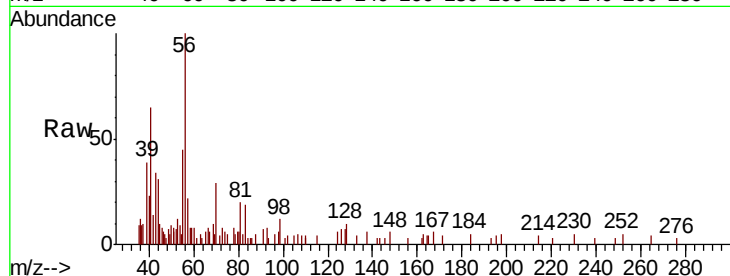
Ion Ratio Lower Upper

41 100

39 22.2 42.8 64.2#

67 0.0 62.1 93.1#

52 0.0 23.4 35.0#

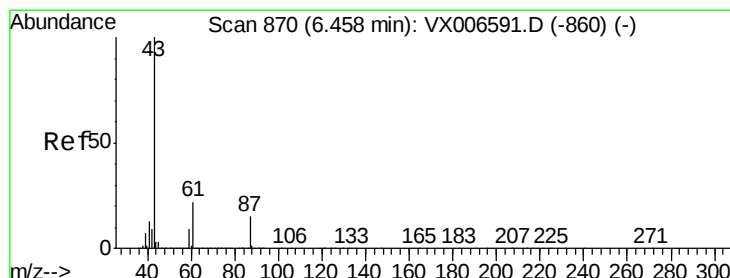
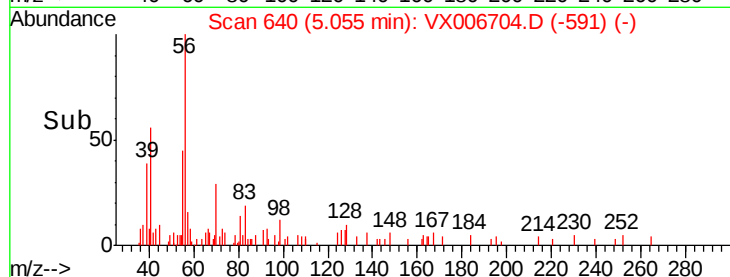
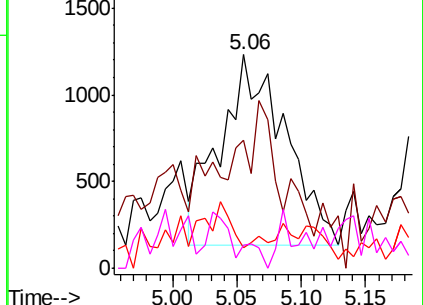


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 1.023 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

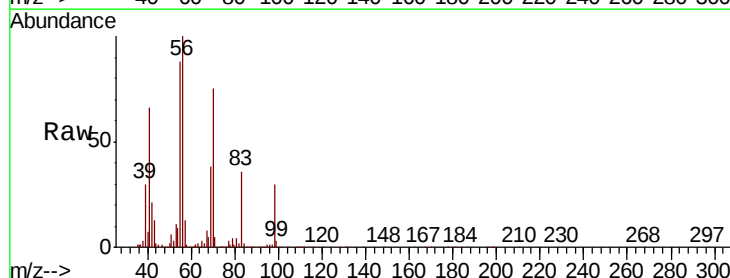
Tgt Ion: 43 Resp: 13609

Ion Ratio Lower Upper

43 100

61 3.1 16.8 25.2#

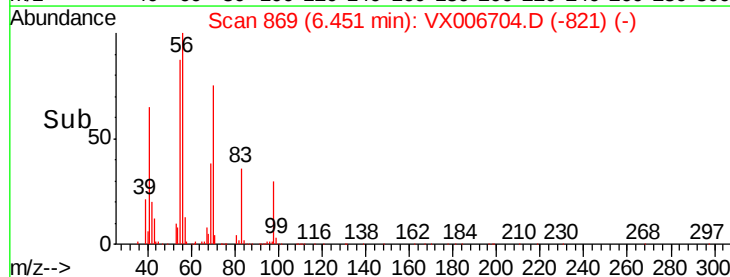
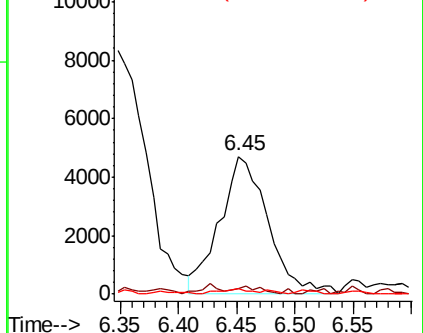
87 2.4 12.4 18.6#

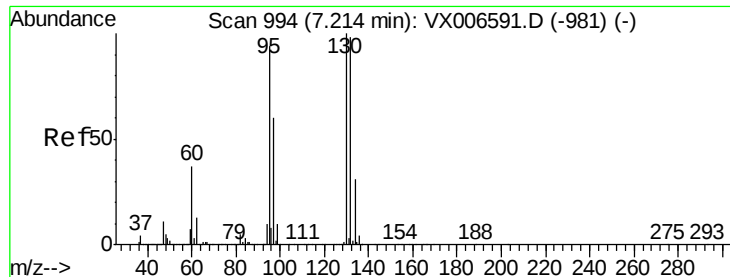


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: 0.669 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

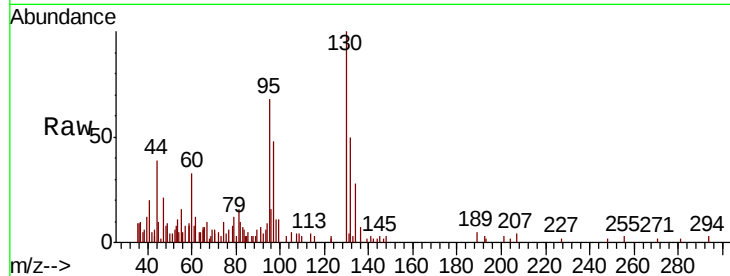
T2-MW-4-8.0-121918

Tot Ion:130 Resp: 5169

Ion Ratio Lower Upper

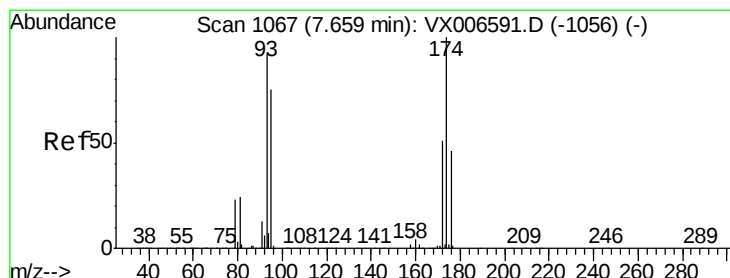
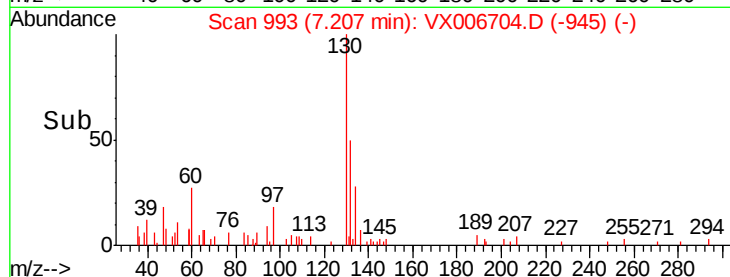
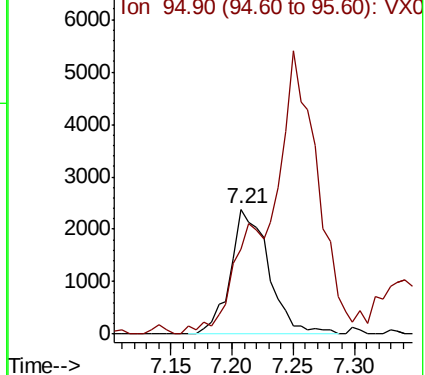
130 100

95 61.7 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: 0.270 ug/l

RT: 7.63 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

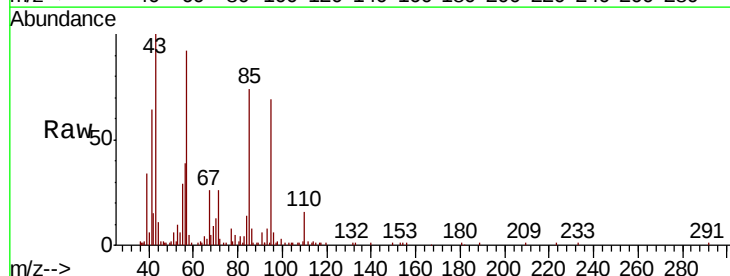
Tgt Ion: 93 Resp: 1234

Ion Ratio Lower Upper

93 100

95 1427.9 66.2 99.4#

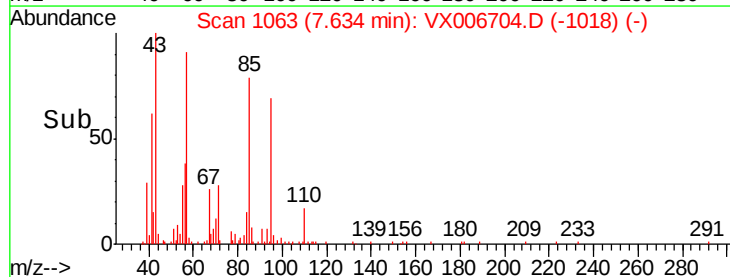
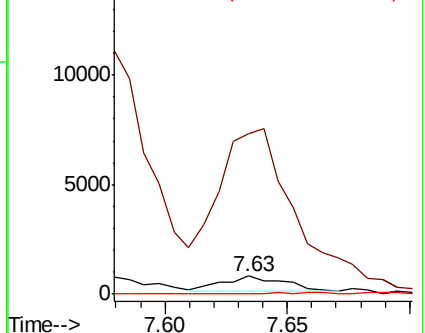
174 0.0 91.0 136.4#

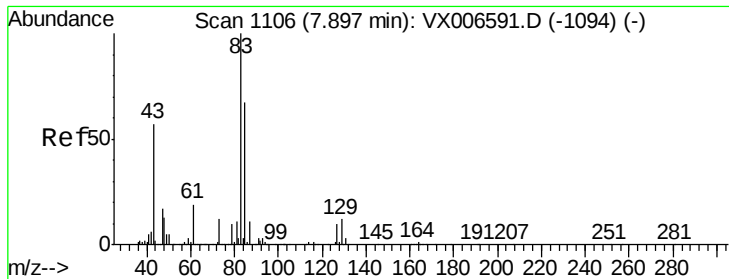


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.752 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

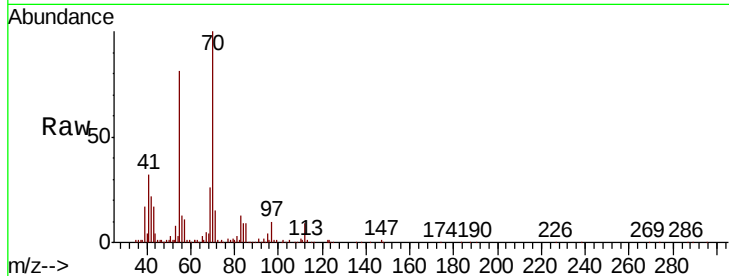
Tot Ion: 83 Resp: 5705

Ion Ratio Lower Upper

83 100

85 64.8 53.2 79.8

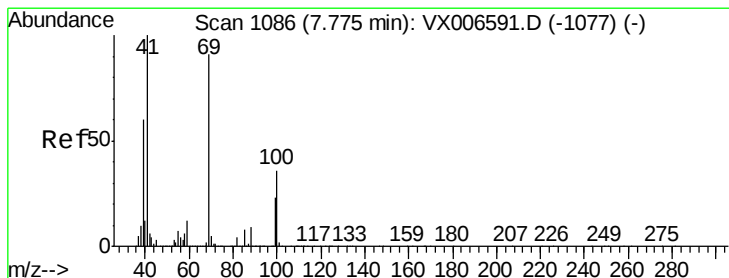
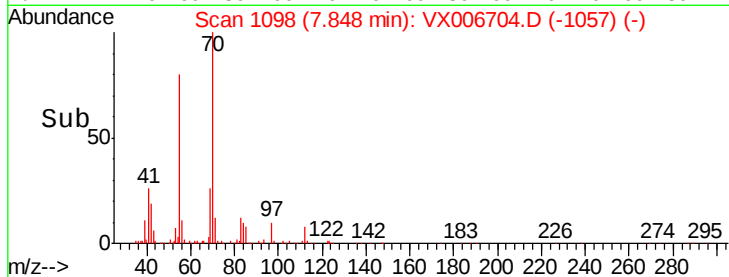
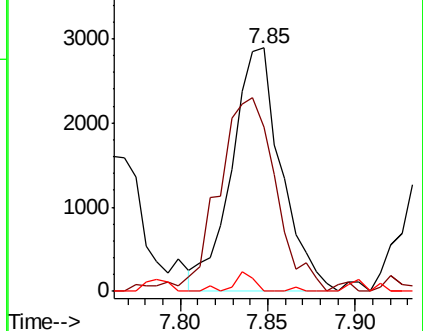
127 0.0 7.8 11.6#



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: 6.653 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

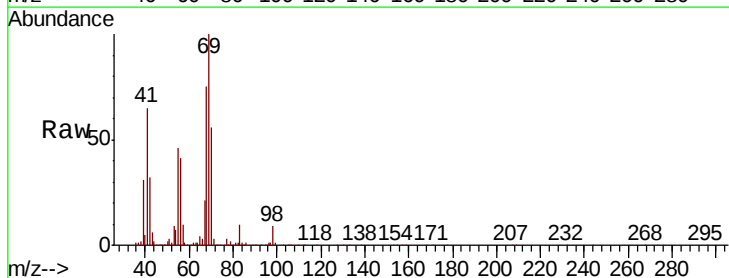
Tgt Ion: 41 Resp: 45026

Ion Ratio Lower Upper

41 100

69 161.8 72.4 108.6#

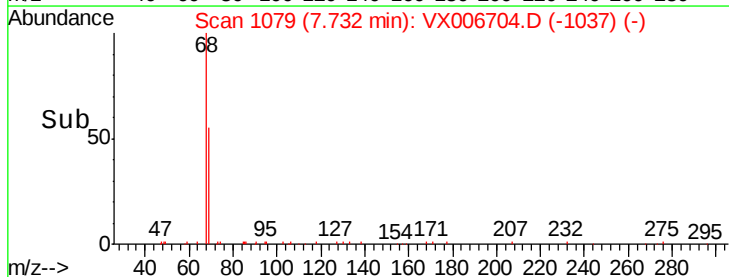
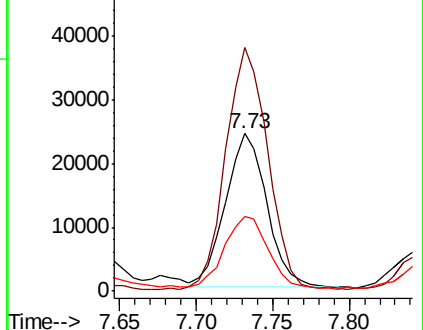
39 50.3 45.8 68.8

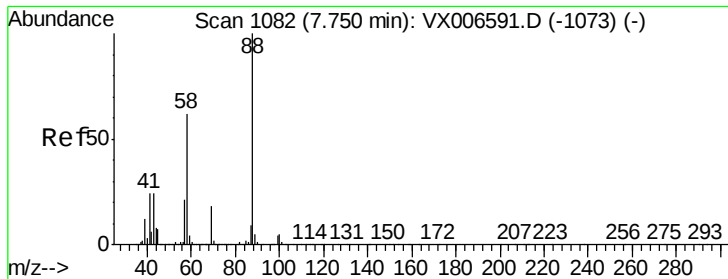


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 7.79 min Scan# 1088

Delta R.T. 0.04 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

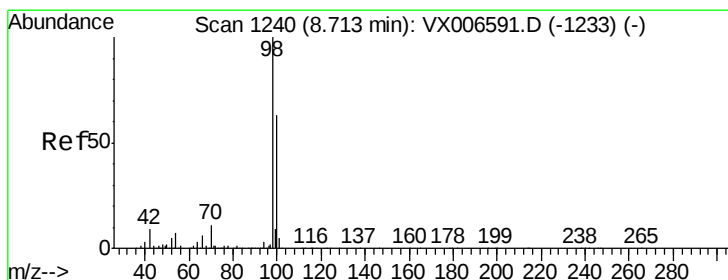
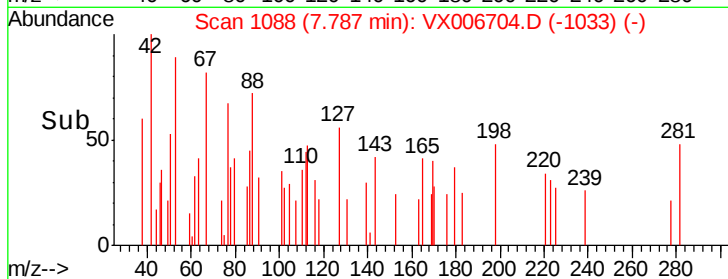
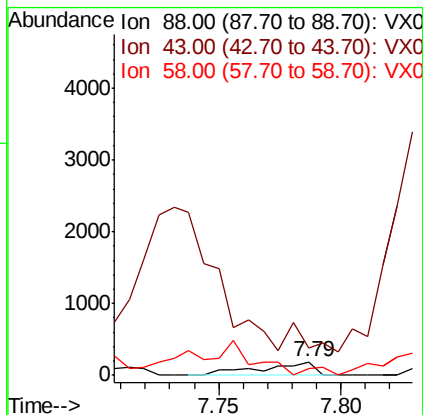
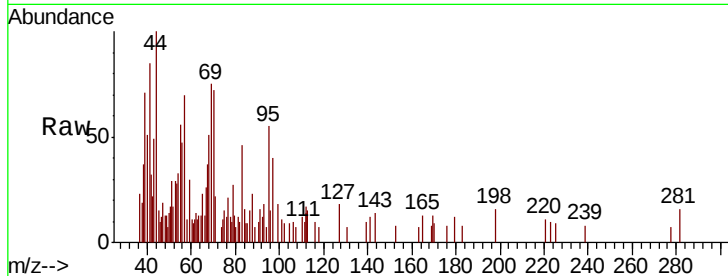
Tot Ion: 88 Resp: 274

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 0.0 51.0 76.4#



#50

Toluene-d8

Concen: 49.835 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006704.D

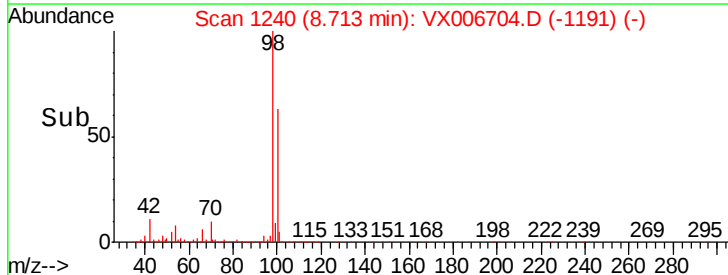
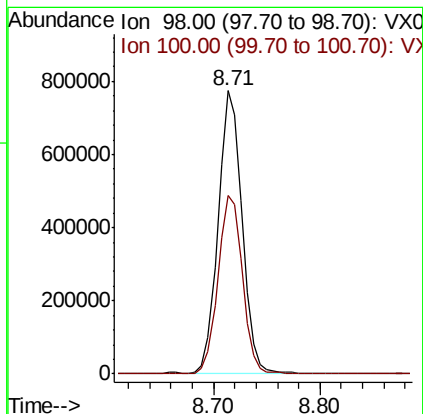
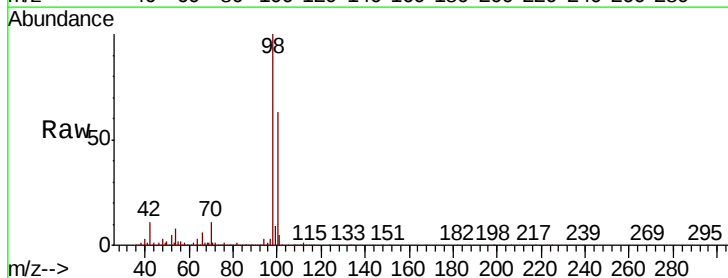
Acq: 21 Dec 2018 04:41

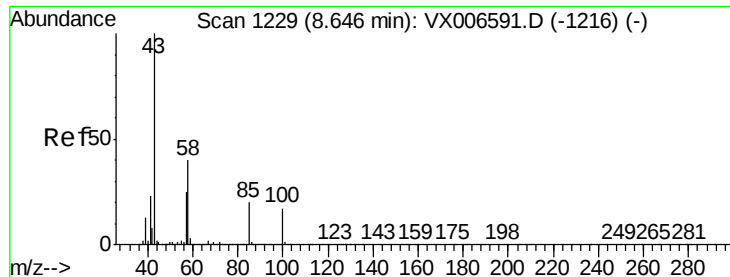
Tgt Ion: 98 Resp: 1205492

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

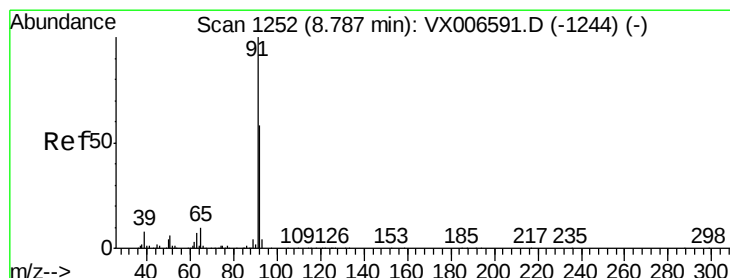
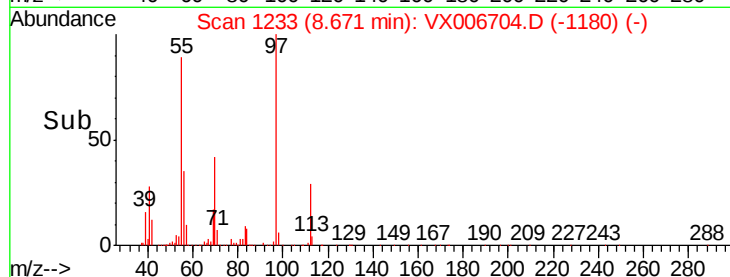
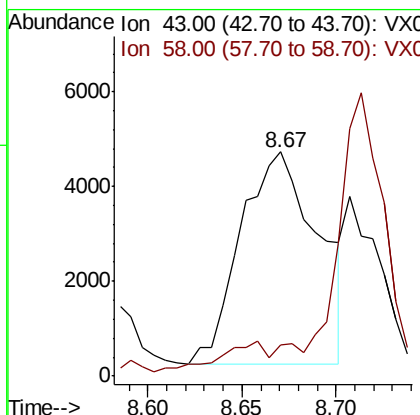
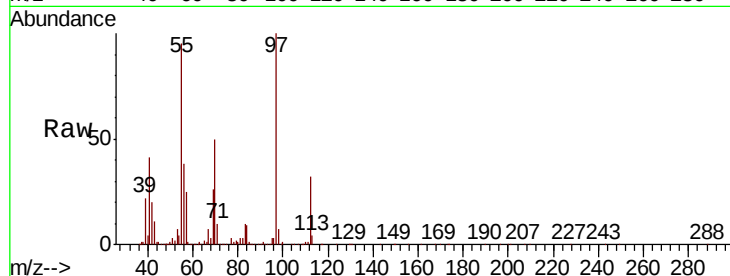




#51
4-Methyl-2-Pentanone
Concen: 1.494 ug/l
RT: 8.67 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

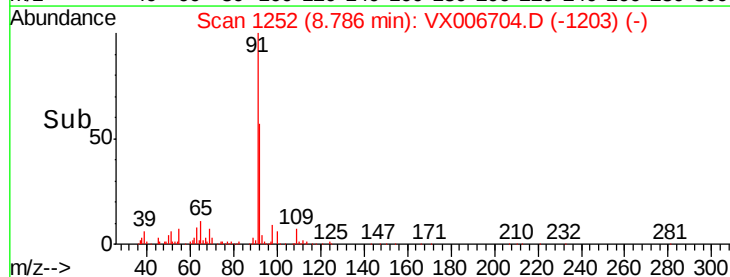
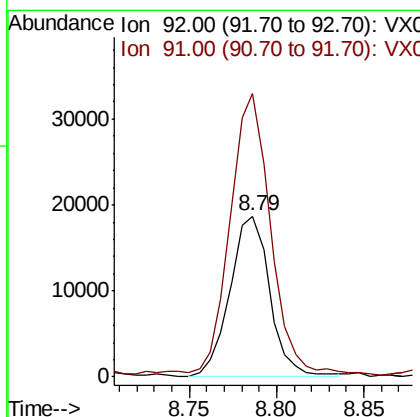
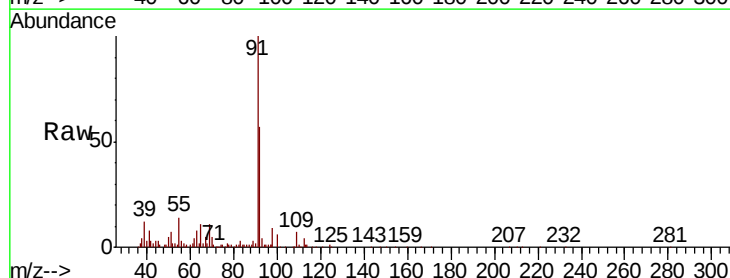
Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

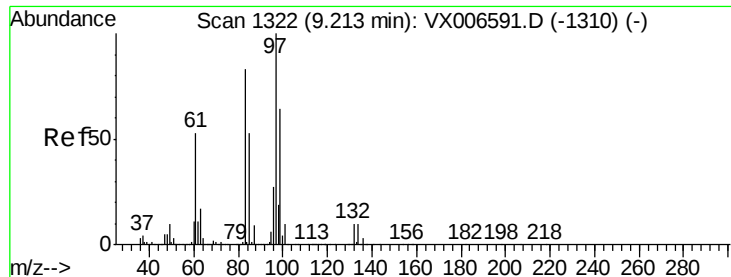
Tot Ion: 43 Resp: 12650
Ion Ratio Lower Upper
43 100
58 8.5 31.8 47.6#



#52
Toluene
Concen: 1.806 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion: 92 Resp: 29806
Ion Ratio Lower Upper
92 100
91 176.5 137.6 206.4





#55

1,1,2-Trichloroethane

Concen: 0.531 ug/l

RT: 9.27 min Scan# 1331

Delta R.T. 0.05 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion: 97 Resp: 3589

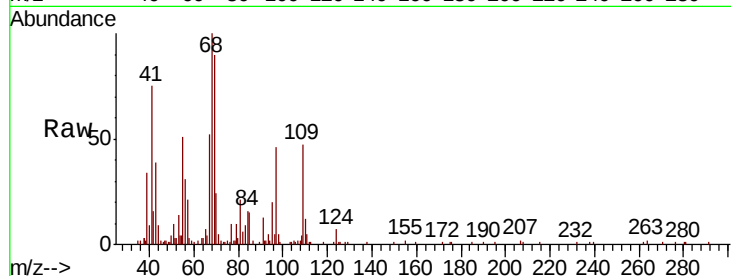
Ion Ratio Lower Upper

97 100

83 15.9 66.6 99.8#

85 34.8 42.7 64.1#

99 1.8 50.8 76.2#

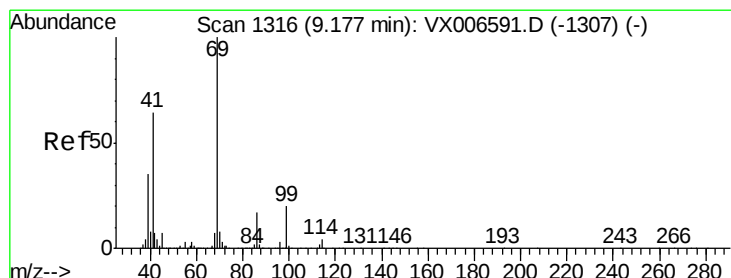
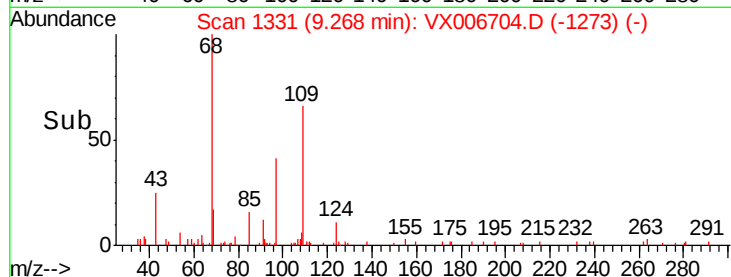
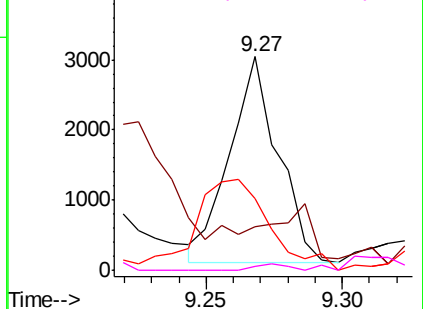


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 2.343 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

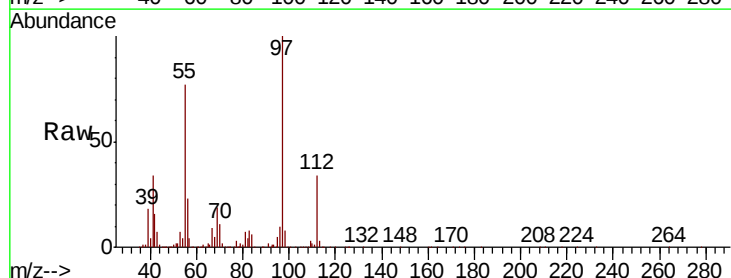
Tgt Ion: 69 Resp: 22371

Ion Ratio Lower Upper

69 100

41 149.9 48.7 73.1#

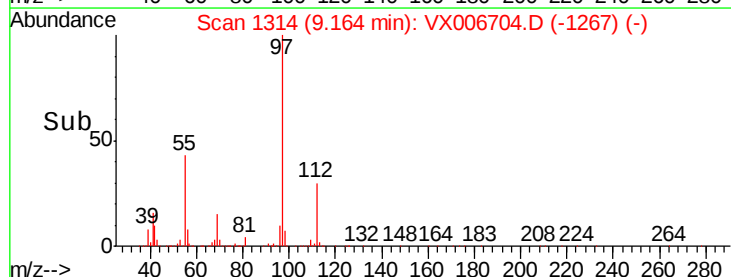
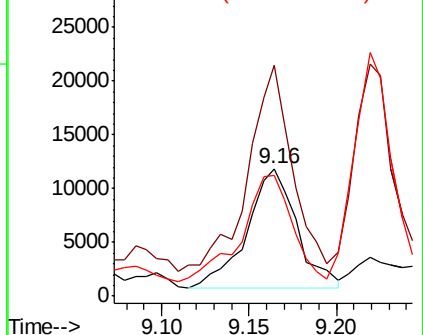
39 90.0 27.0 40.6#

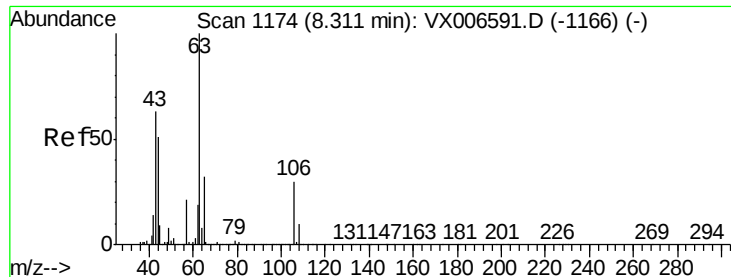


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#58

2-Chloroethyl Vinyl ether

Concen: 0.338 ug/l

RT: 8.27 min Scan# 1168

Delta R.T. -0.04 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

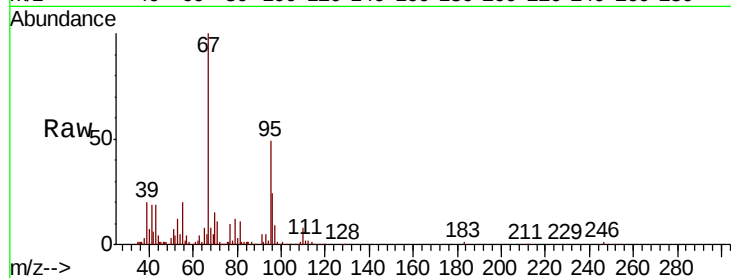
T2-MW-4-8.0-121918

Tot Ion: 63 Resp: 1716

Ion Ratio Lower Upper

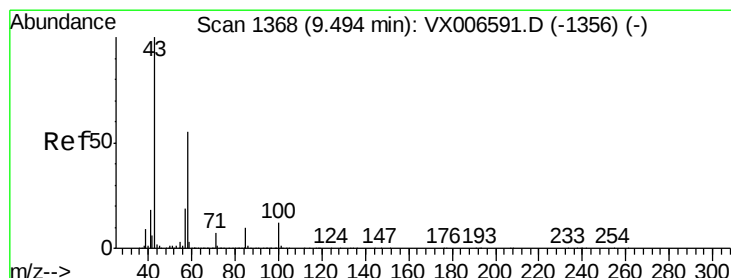
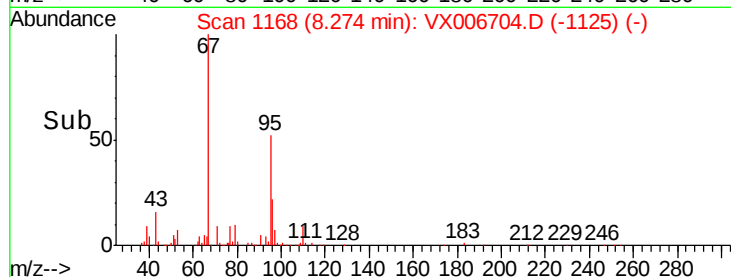
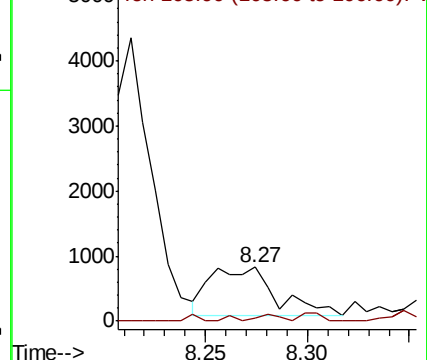
63 100

106 4.8 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 0.379 ug/l

RT: 9.51 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VX006704.D

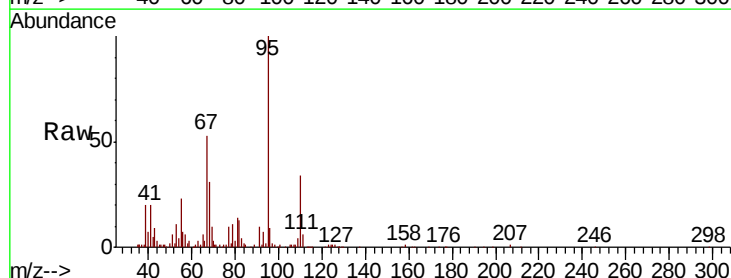
Acq: 21 Dec 2018 04:41

Tgt Ion: 43 Resp: 2456

Ion Ratio Lower Upper

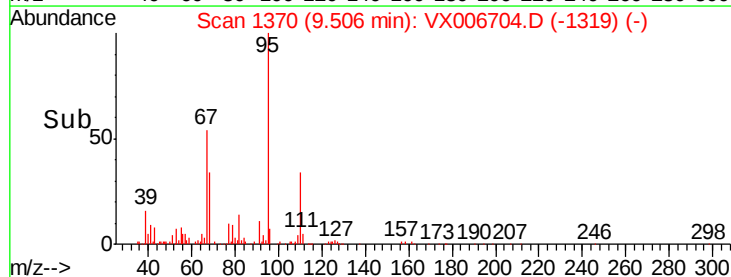
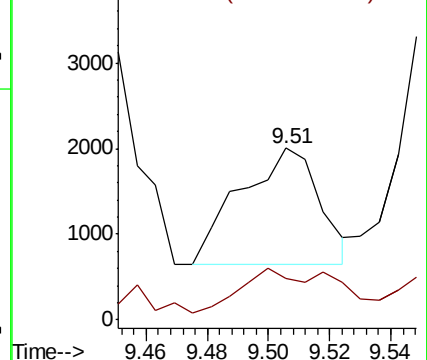
43 100

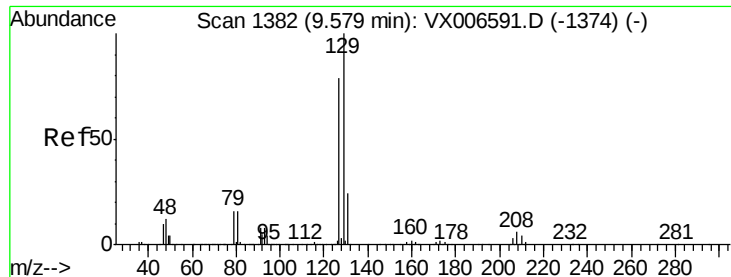
58 46.2 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 2.335 ug/l

RT: 9.60 min Scan# 1385

Delta R.T. 0.02 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

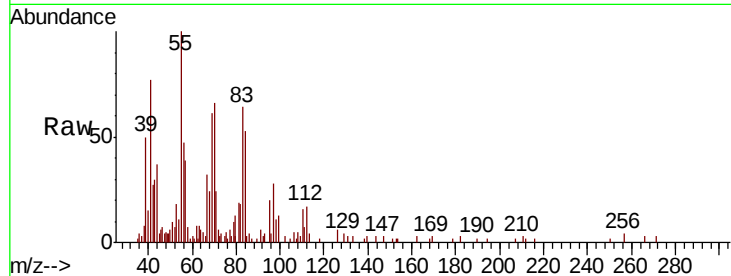
T2-MW-4-8.0-121918

Tot Ion:129 Resp: 79

Ion Ratio Lower Upper

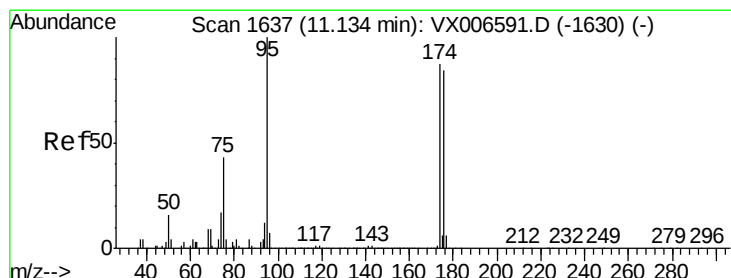
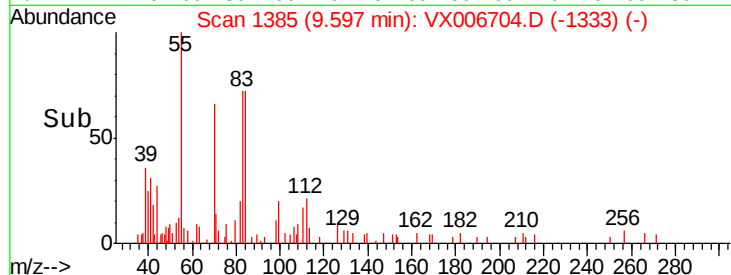
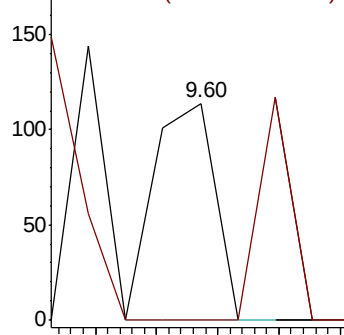
129 100

127 54.4 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: 51.033 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

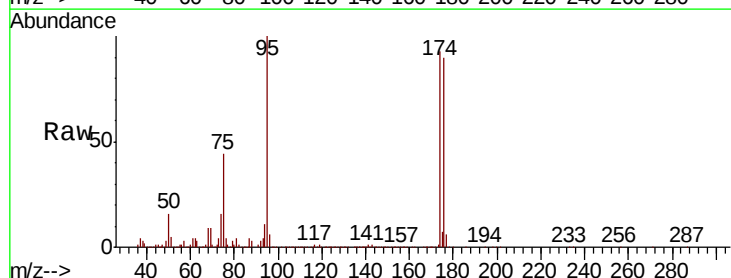
Tgt Ion: 95 Resp: 452107

Ion Ratio Lower Upper

95 100

174 87.7 0.0 182.2

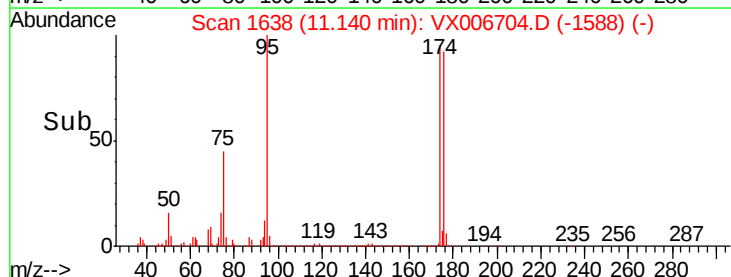
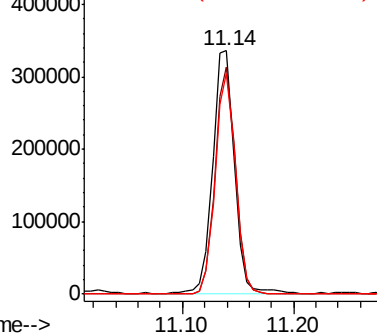
176 84.9 0.0 178.8

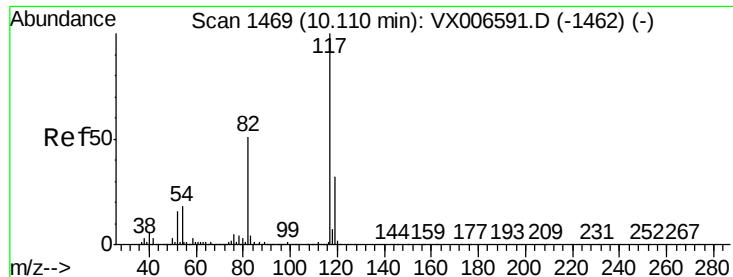


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

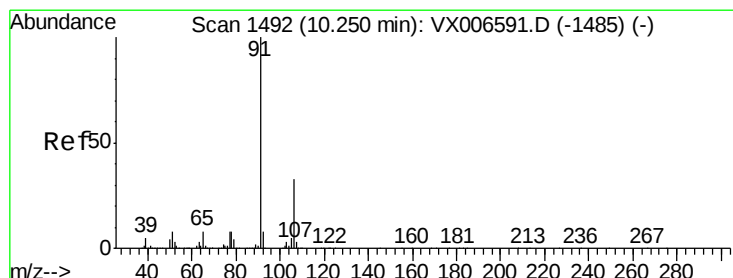
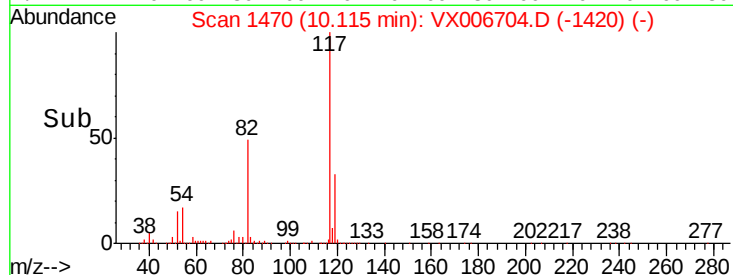
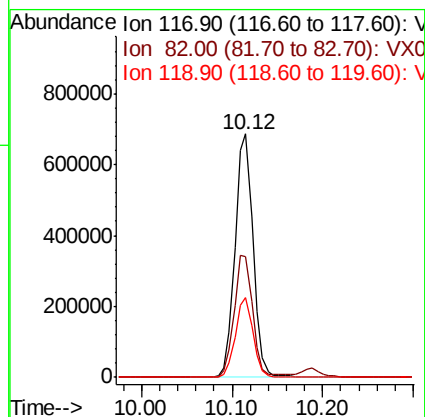
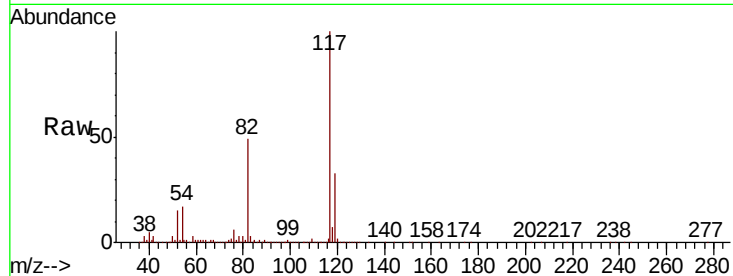




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

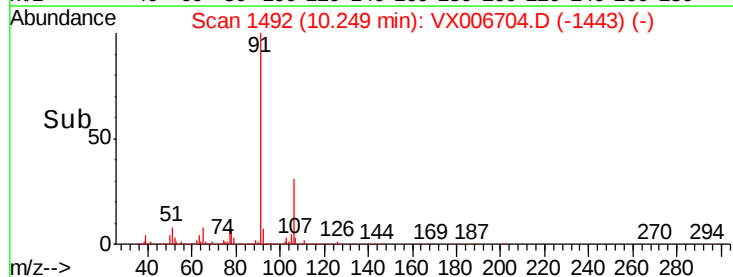
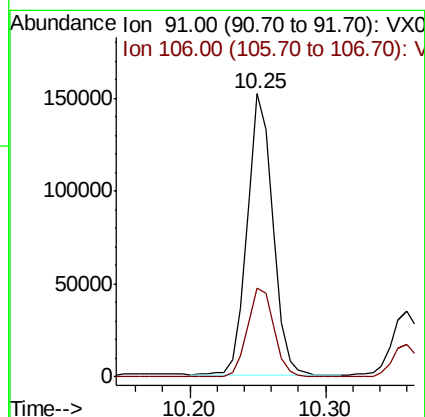
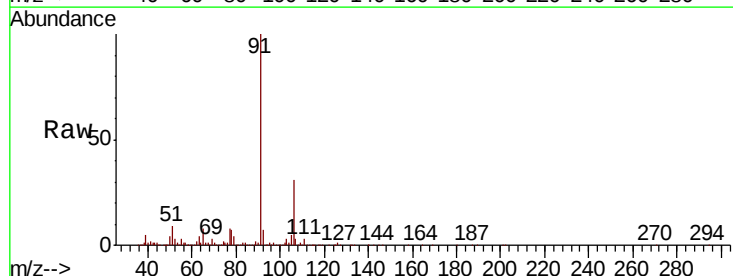
Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

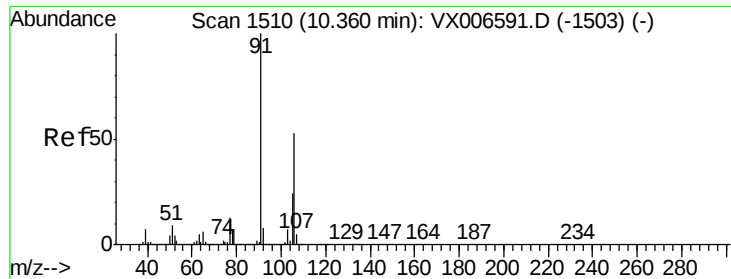
Tot Ion:117 Resp: 945180
Ion Ratio Lower Upper
117 100
82 49.3 41.0 61.6
119 32.7 25.4 38.0



#67
Ethyl Benzene
Concen: 6.165 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion: 91 Resp: 201430
Ion Ratio Lower Upper
91 100
106 31.6 26.4 39.6





#68

m/p-Xylenes

Concen: 1.934 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

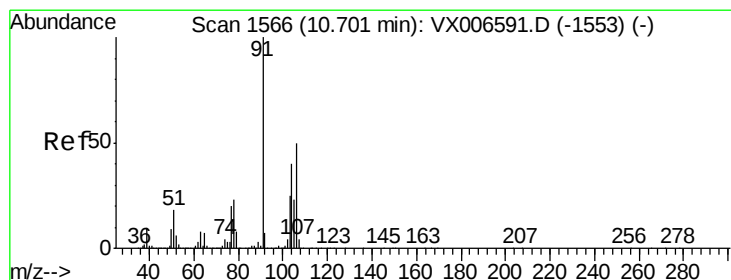
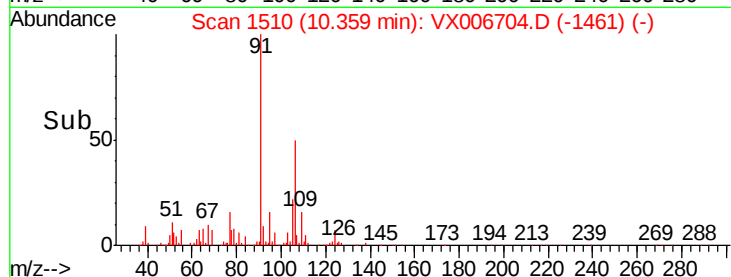
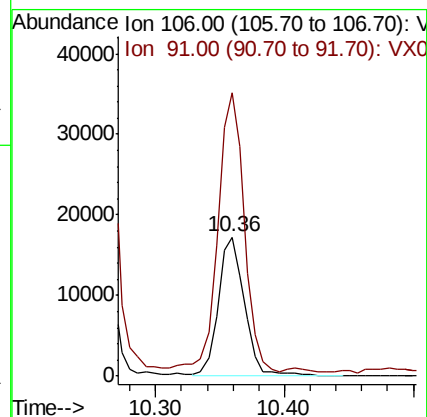
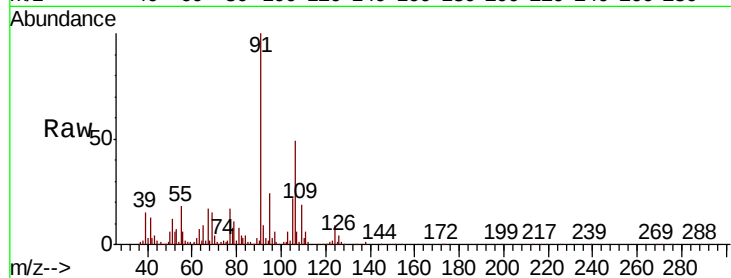
T2-MW-4-8.0-121918

Tot Ion:106 Resp: 24936

Ion Ratio Lower Upper

106 100

91 200.2 155.8 233.6



#69

o-Xylene

Concen: 0.399 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX006704.D

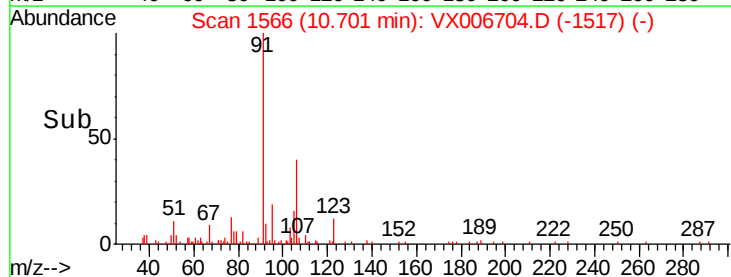
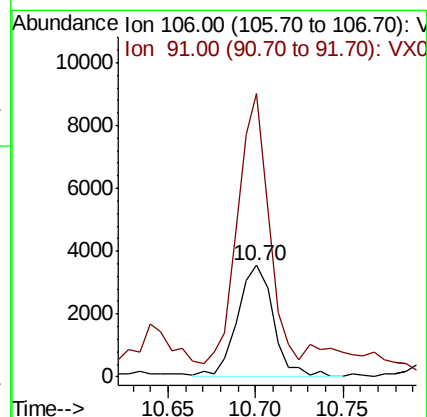
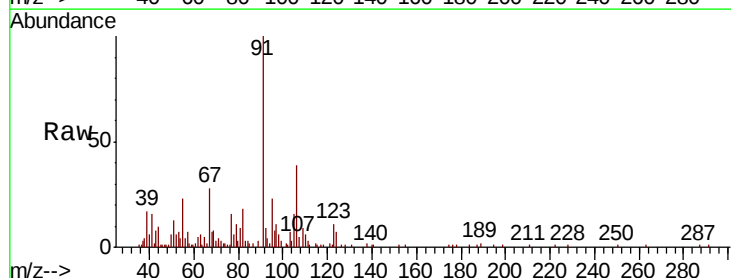
Acq: 21 Dec 2018 04:41

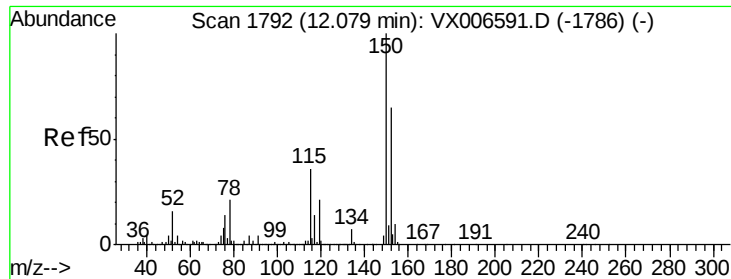
Tgt Ion:106 Resp: 5081

Ion Ratio Lower Upper

106 100

91 206.5 101.3 303.7



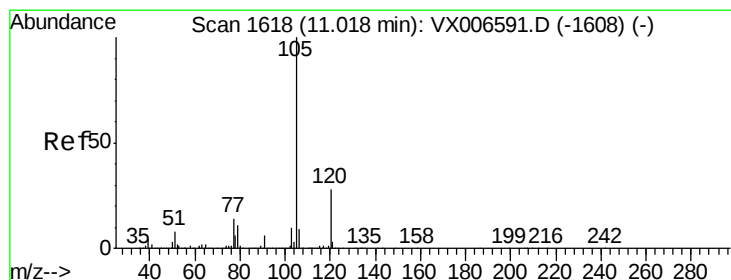
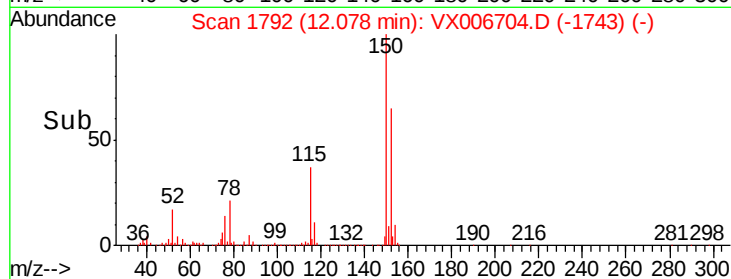
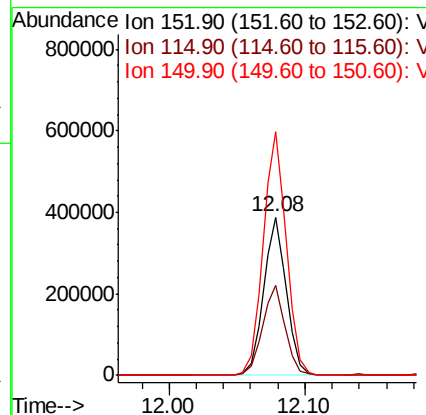
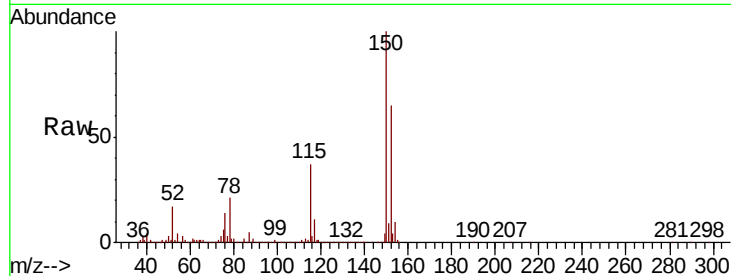


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

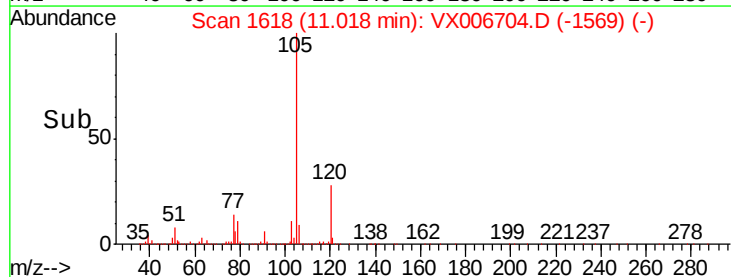
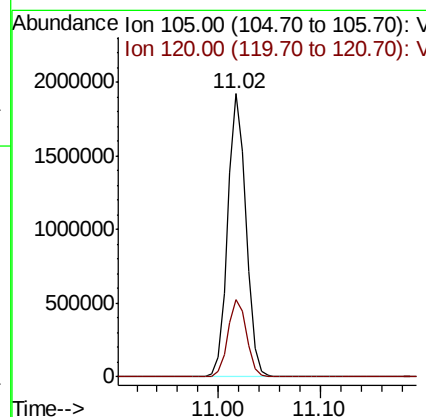
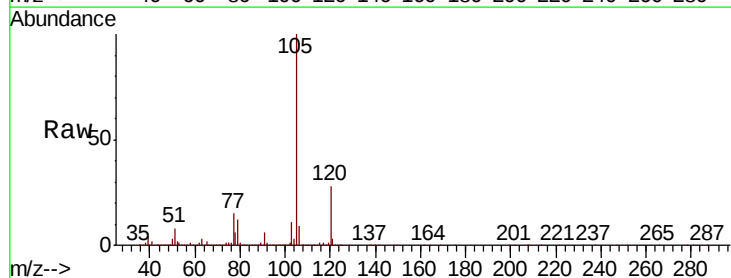
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	39.1	117.2
150	156.6	0.0	344.8

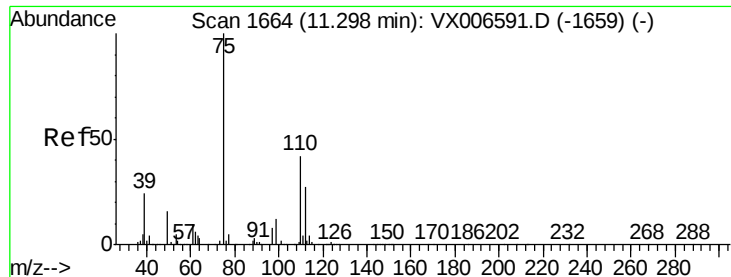


#73

Isopropylbenzene
Concen: 76.863 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	14.1	42.4





#76

1,2,3-Trichloropropane

Concen: 3.956 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.06 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

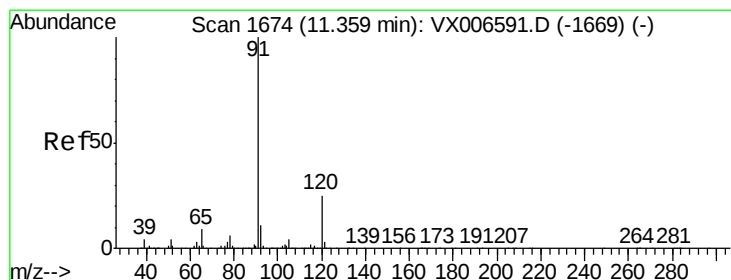
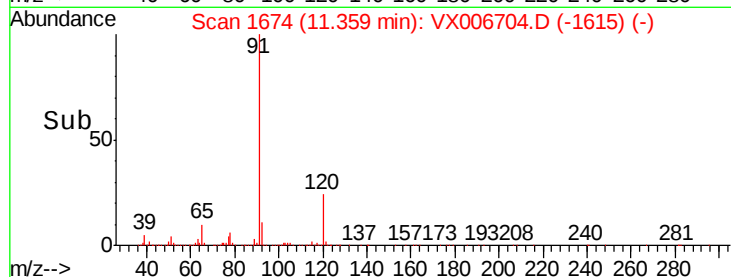
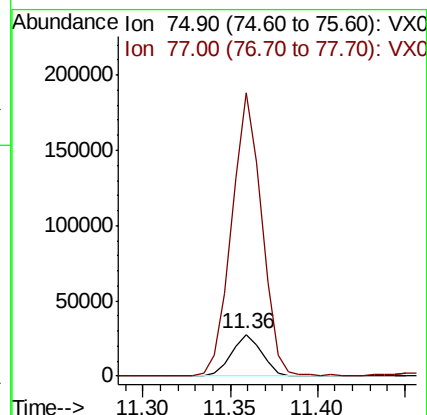
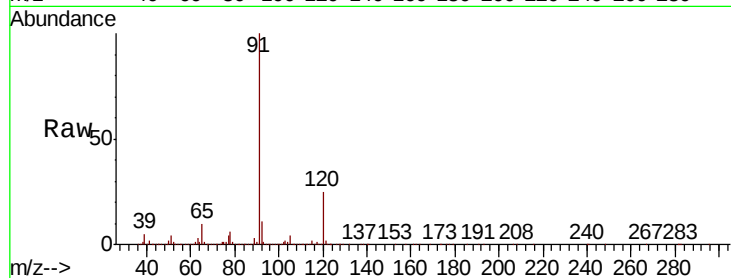
T2-MW-4-8.0-121918

Tot Ion: 75 Resp: 33443

Ion Ratio Lower Upper

75 100

77 671.6 18.5 55.5#



#78

n-propylbenzene

Concen: 167.129 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006704.D

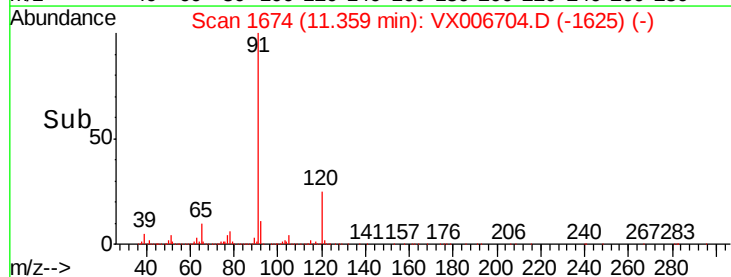
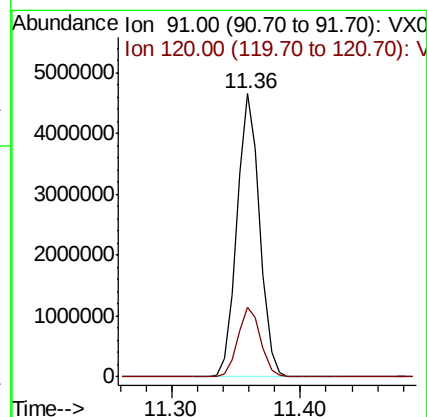
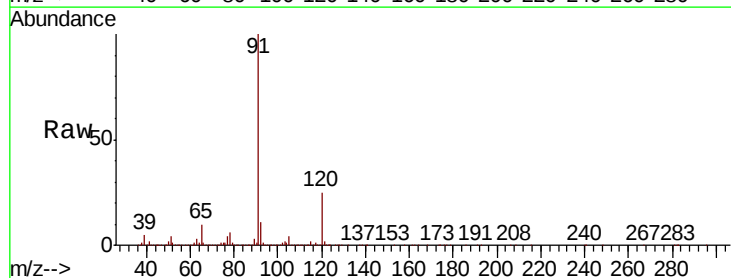
Acq: 21 Dec 2018 04:41

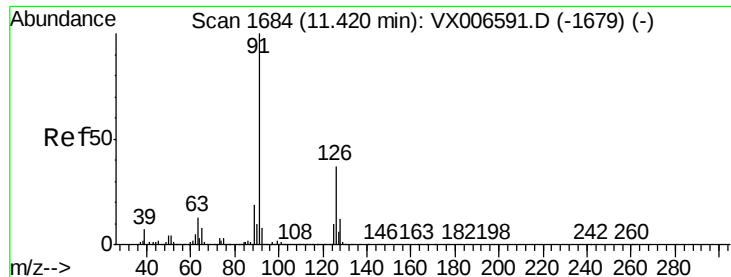
Tgt Ion: 91 Resp: 5727991

Ion Ratio Lower Upper

91 100

120 24.8 12.7 38.0





#79

2-Chlorotoluene

Concen: 275.786 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

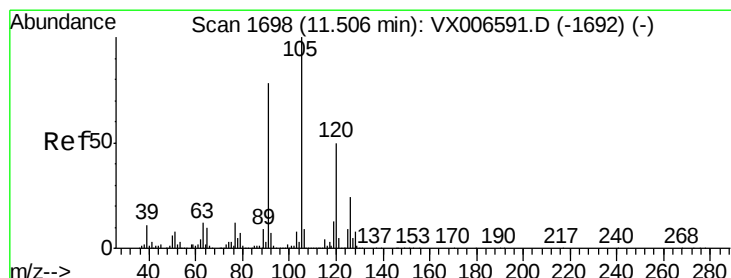
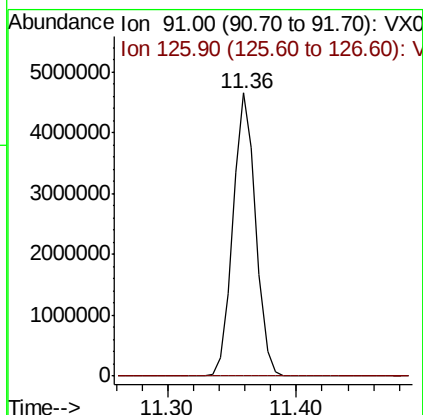
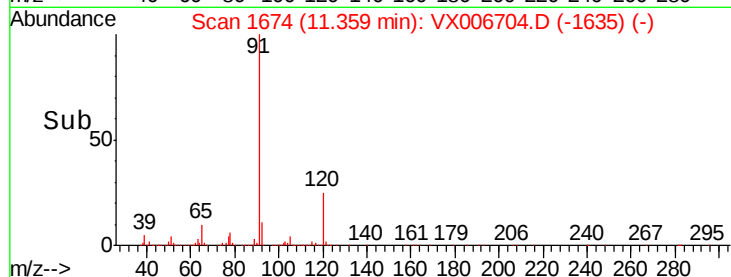
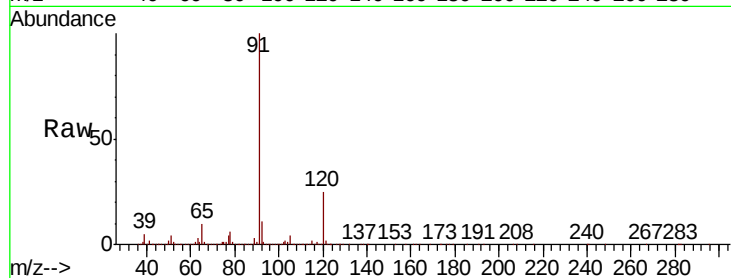
T2-MW-4-8.0-121918

Tot Ion: 91 Resp: 5727991

Ion Ratio Lower Upper

91 100

126 0.0 18.6 56.0#



#80

1,3,5-Trimethylbenzene

Concen: 11.214 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. 0.16 min

Lab File: VX006704.D

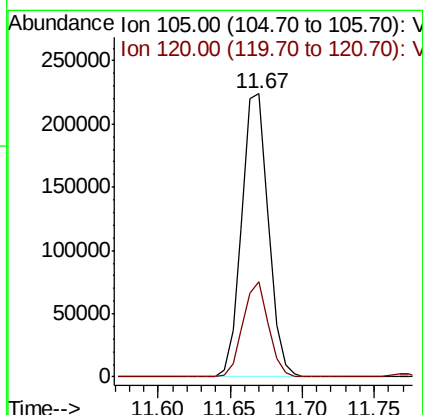
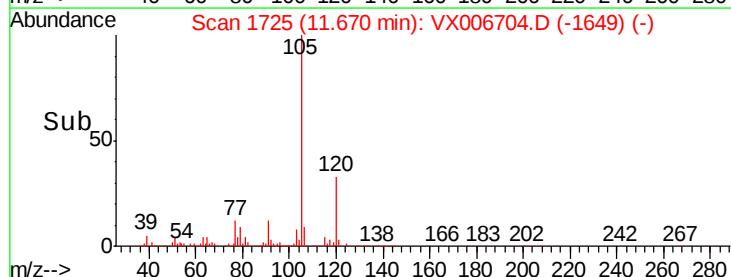
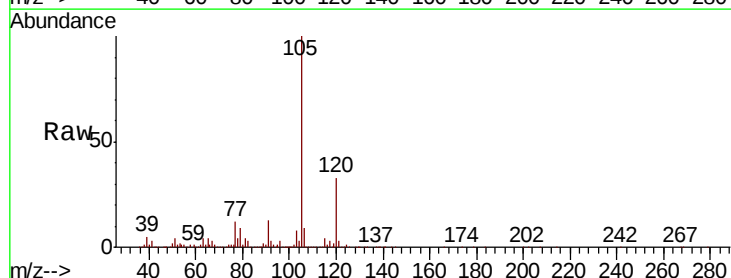
Acq: 21 Dec 2018 04:41

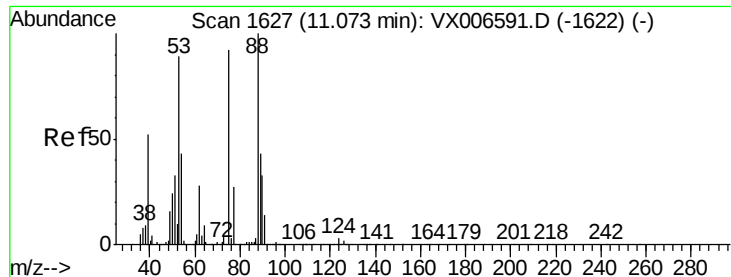
Tgt Ion: 105 Resp: 287484

Ion Ratio Lower Upper

105 100

120 32.3 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 12.396 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

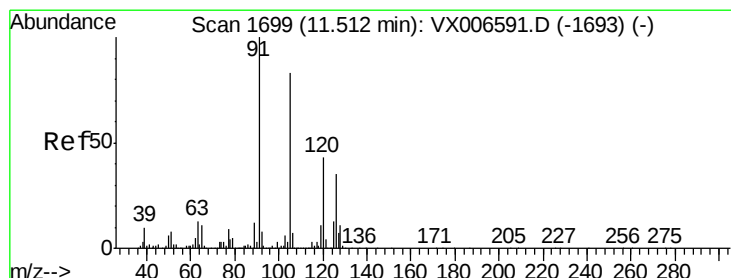
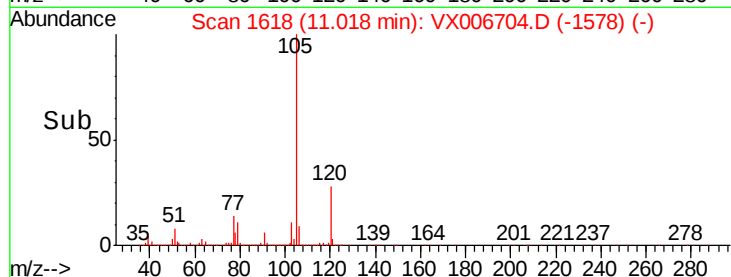
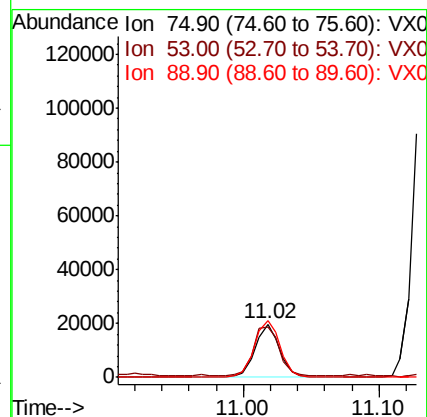
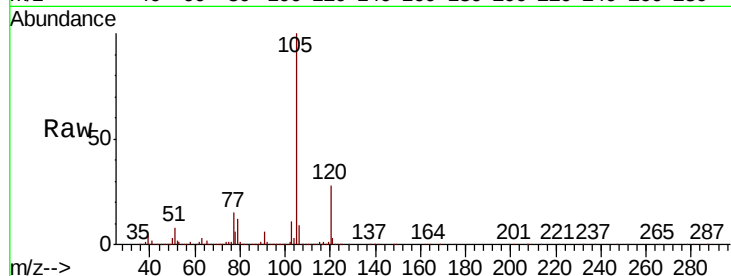
Tot Ion: 75 Resp: 24779

Ion Ratio Lower Upper

75 100

53 103.9 79.7 119.5

89 113.5 38.0 57.0#



#82

4-Chlorotoluene

Concen: 240.426 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX006704.D

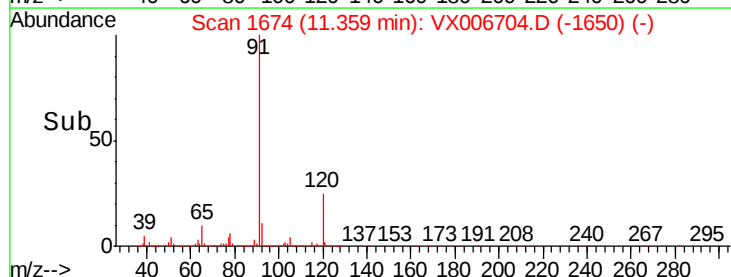
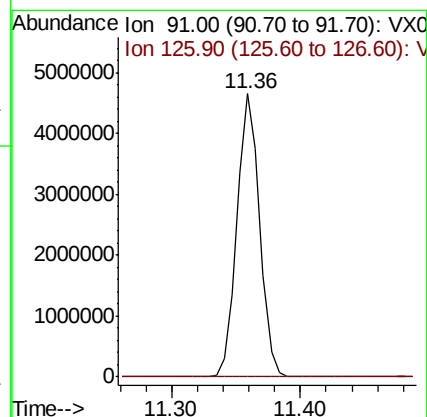
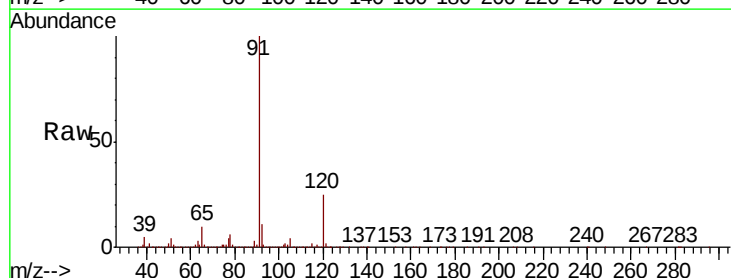
Acq: 21 Dec 2018 04:41

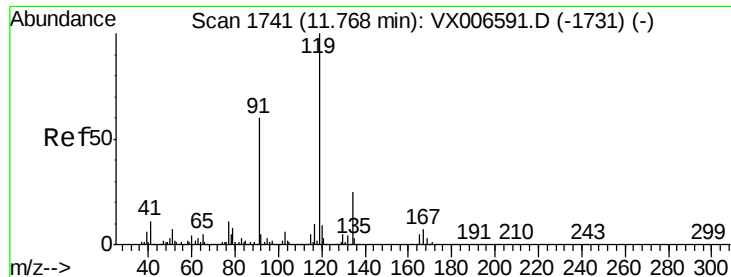
Tgt Ion: 91 Resp: 5727991

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.9#

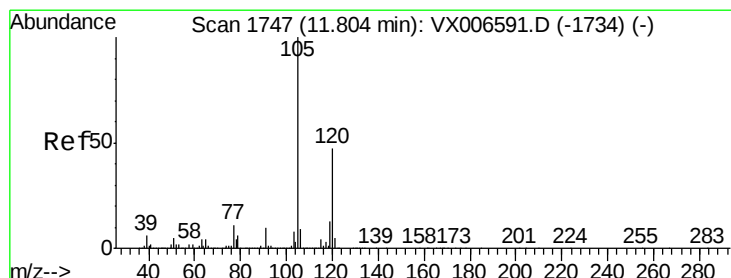
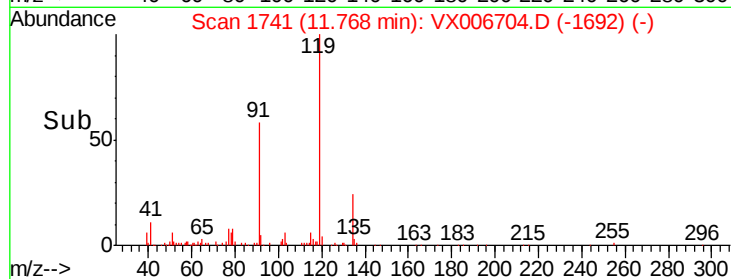
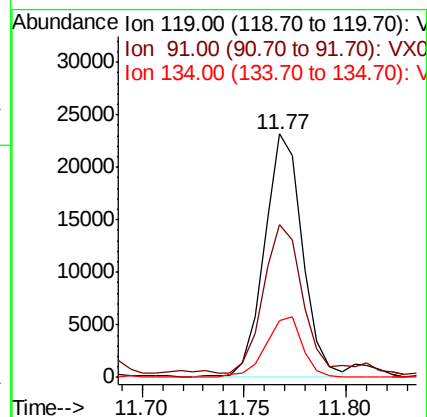
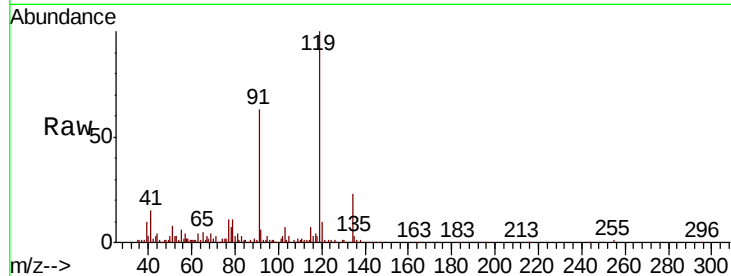




#83
 tert-Butylbenzene
 Concen: 1.172 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006704.D
 Acq: 21 Dec 2018 04:41

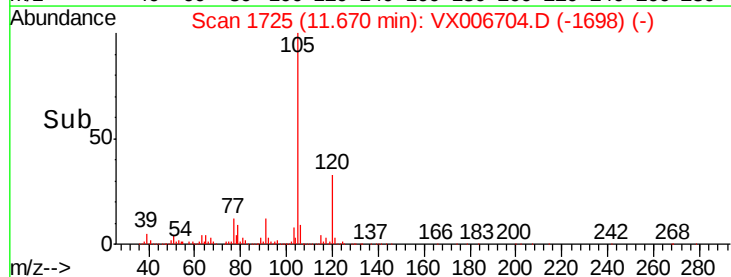
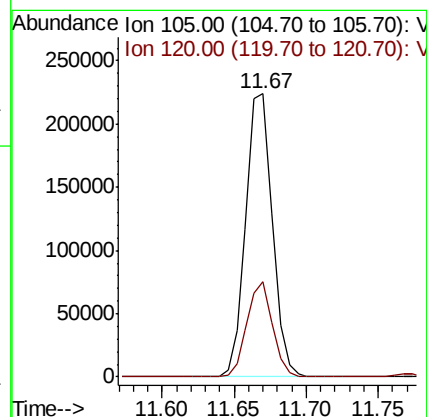
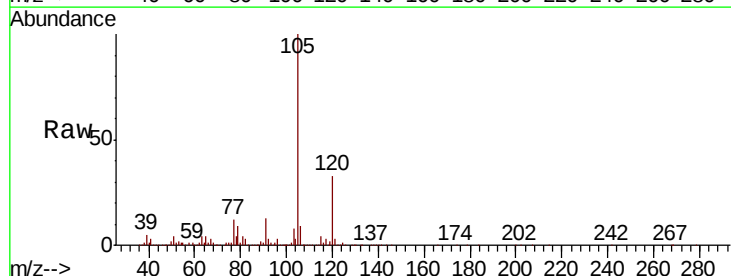
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-121918

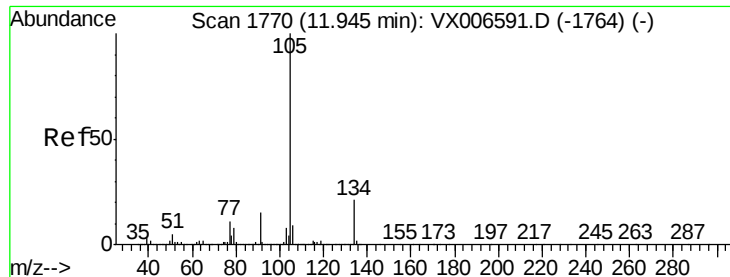
Tot Ion:119 Resp: 30058
 Ion Ratio Lower Upper
 119 100
 91 66.8 27.7 83.1
 134 24.3 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 10.662 ug/l
 RT: 11.67 min Scan# 1725
 Delta R.T. -0.13 min
 Lab File: VX006704.D
 Acq: 21 Dec 2018 04:41

Tgt Ion:105 Resp: 287484
 Ion Ratio Lower Upper
 105 100
 120 32.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 12.734 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

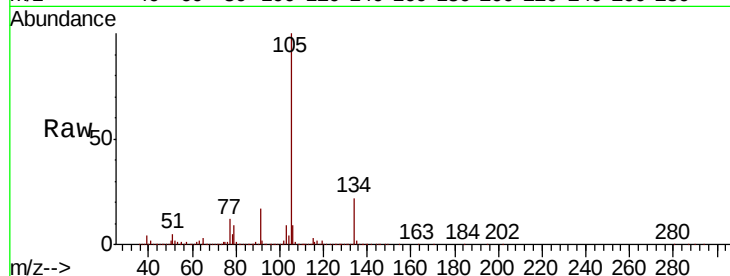
T2-MW-4-8.0-121918

Tot Ion:105 Resp: 400579

Ion Ratio Lower Upper

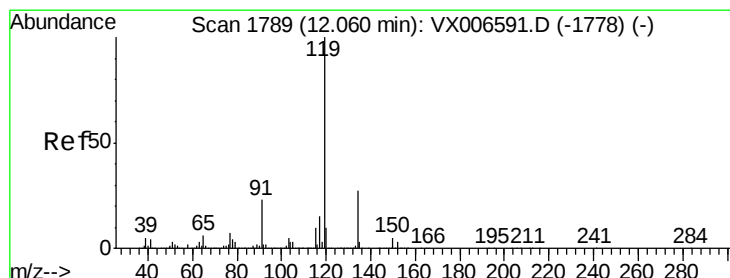
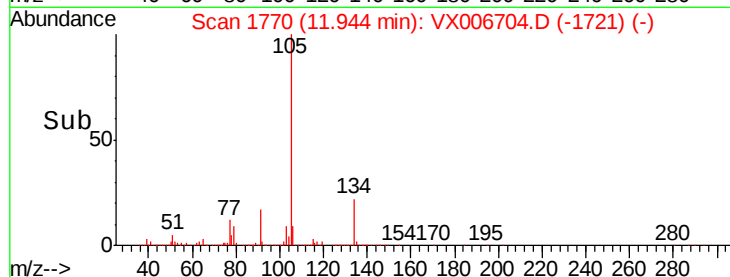
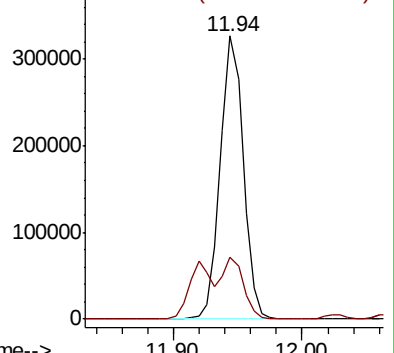
105 100

134 20.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.574 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

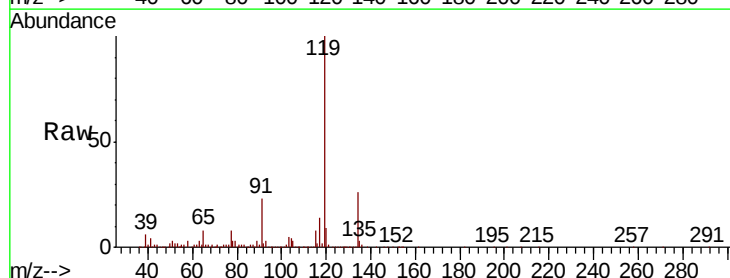
Tgt Ion:119 Resp: 98831

Ion Ratio Lower Upper

119 100

134 30.2 14.0 41.9

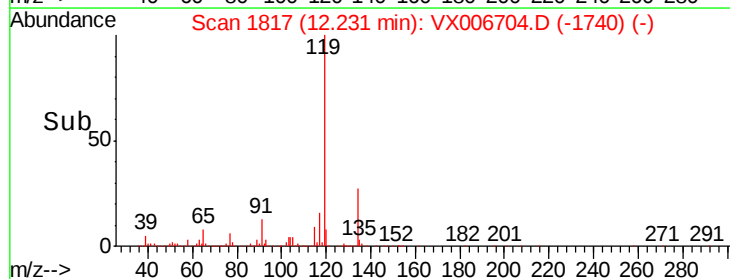
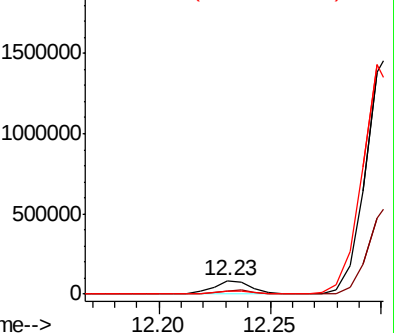
91 0.0 11.3 33.9#

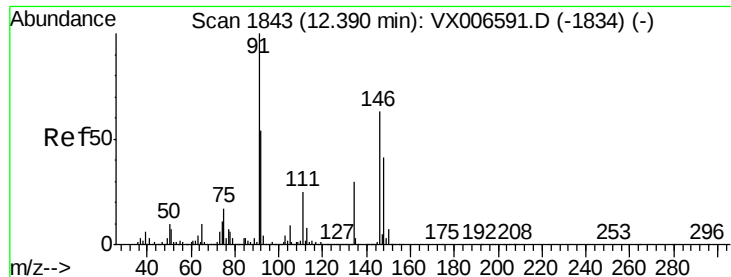


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

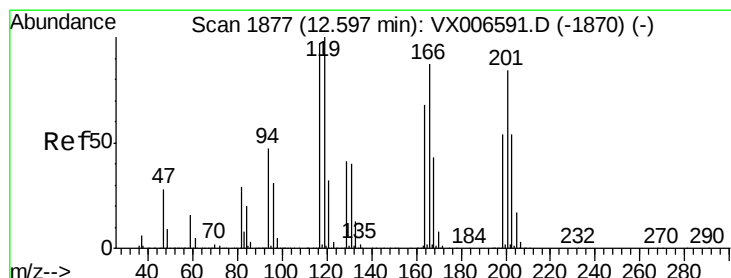
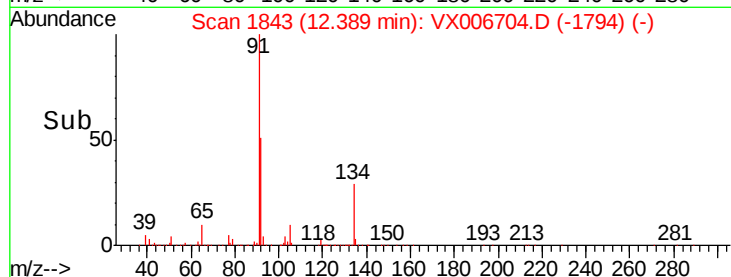
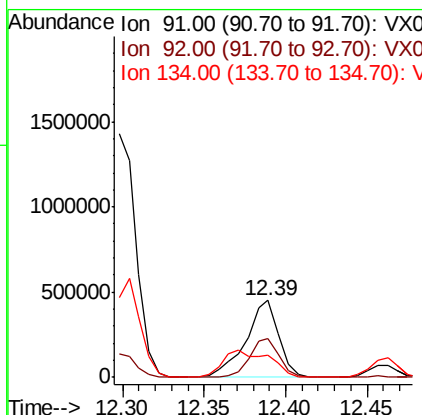
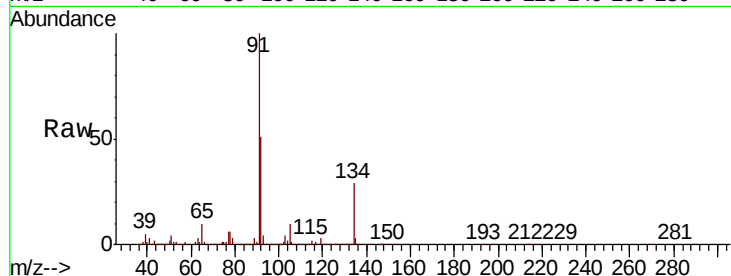




#89
n-Butylbenzene
Concen: 27.005 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

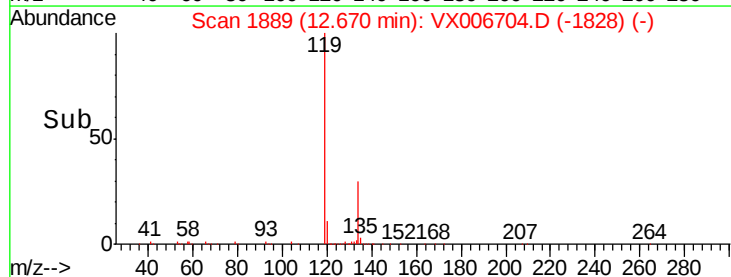
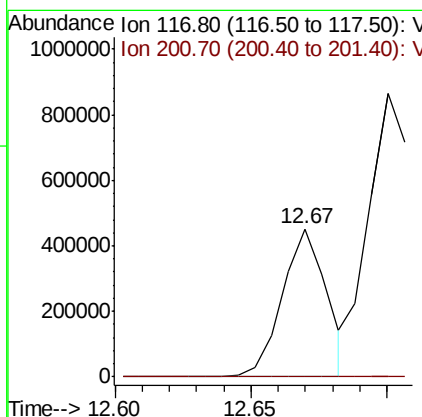
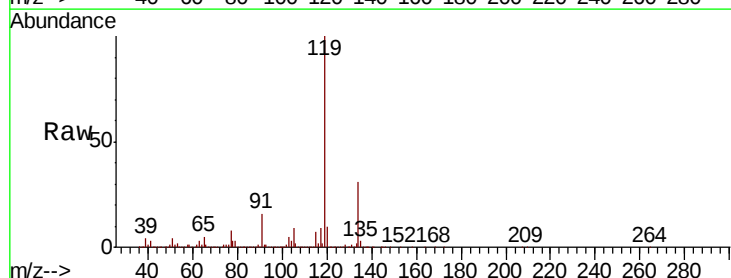
Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

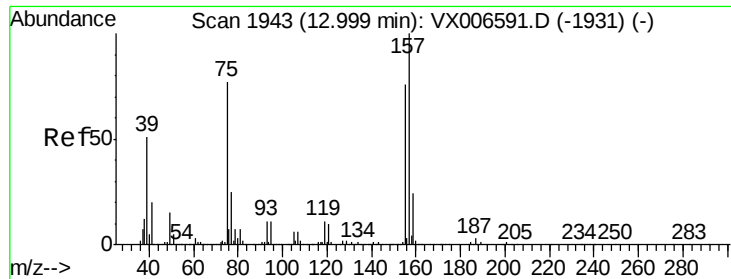
Tot Ion: 91 Resp: 635504
Ion Ratio Lower Upper
91 100
92 45.0 26.8 80.4
134 50.2 14.4 43.2#



#90
Hexachloroethane
Concen: 113.239 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion: 117 Resp: 509351
Ion Ratio Lower Upper
117 100
201 0.0 42.9 128.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.802 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

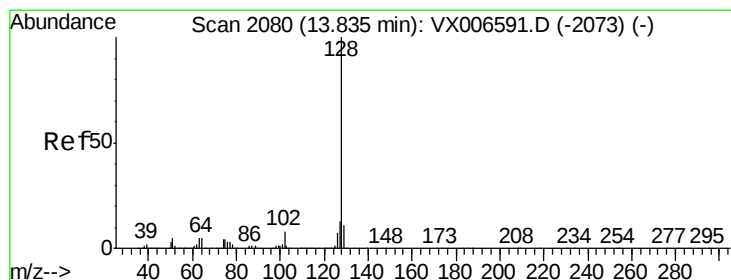
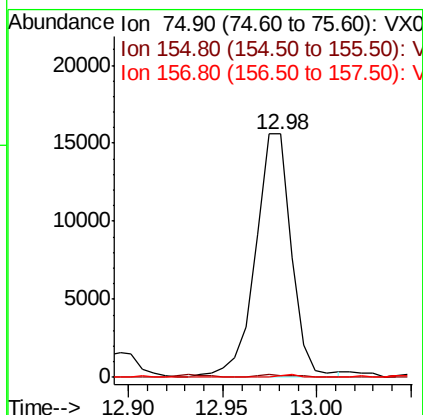
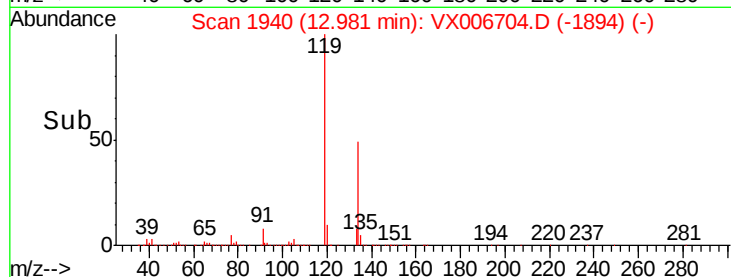
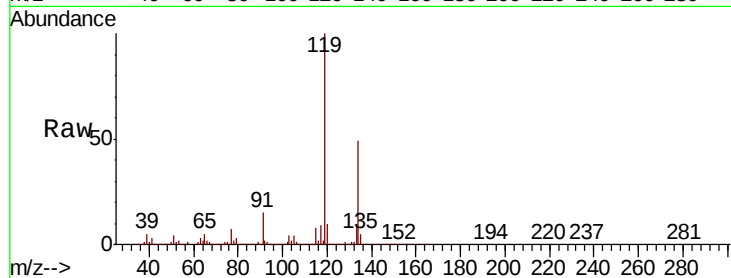
Tot Ion: 75 Resp: 20688

Ion Ratio Lower Upper

75 100

155 1.0 50.6 151.8#

157 0.5 64.6 193.8#



#95

Naphthalene

Concen: 108.681 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Tgt Ion:128 Resp: 3629700

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 11.6 8.6 13.0

