

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072619\
 Data File : VX011092.D
 Acq On : 26 Jul 2019 15:49
 Operator : JC/SP
 Sample : K4014-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Jul 27 02:03:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	209196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170528	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	111517	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
35) Dibromofluoromethane	5.50	113	101745	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	8.71	98	401024	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	155761	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.30	85	40	0.564	ug/l #	43
3) Chloromethane	1.32	50	769	0.400	ug/l #	74
6) Chloroethane	1.92	64	503	0.403	ug/l #	46
11) Tert butyl alcohol	3.04	59	2370	4.573	ug/l #	73
13) Acrolein	2.21	56	6205	20.721	ug/l #	1
14) Allyl chloride	2.78	41	50710	18.736	ug/l #	72
15) Acrylonitrile	3.18	53	11773	11.241	ug/l #	39
16) Acetone	2.44	43	6730	6.695	ug/l	100
17) Carbon Disulfide	2.57	76	2300	0.481	ug/l #	82
18) Methyl Acetate	2.77	43	32883	14.367	ug/l #	49
19) Methyl tert-butyl Ether	3.20	73	2664	0.444	ug/l #	1
20) Methylene Chloride	2.79	84	18304	8.593	ug/l #	17
23) Vinyl Acetate	3.75	43	12656	2.617	ug/l #	76
24) 1,1-Dichloroethane	3.68	63	1211	0.365	ug/l #	82
25) 2-Butanone	4.69	43	6094	4.223	ug/l	93
26) 2,2-Dichloropropane	4.40	77	11111	4.082	ug/l #	50
29) Tetrahydrofuran	5.16	42	609	0.666	ug/l #	47
30) Chloroform	5.21	83	796	0.222	ug/l	93
31) Cyclohexane	5.59	56	1283320	424.694	ug/l	98
36) 1,1-Dichloropropene	5.66	75	14323	5.250	ug/l #	50
37) Ethyl Acetate	4.89	43	1588	0.568	ug/l #	44
38) Carbon Tetrachloride	5.67	117	20301	7.141	ug/l #	17
39) Methylcyclohexane	7.46	83	667724	188.739	ug/l	99
40) Benzene	6.14	78	10509	1.258	ug/l	93
41) Methacrylonitrile	5.00	41	370	0.233	ug/l #	49
43) Isopropyl Acetate	6.45	43	9323	2.030	ug/l #	64
45) 1,2-Dichloropropane	7.46	63	7410	3.484	ug/l #	1
47) Bromodichloromethane	7.84	83	1985	0.734	ug/l #	84
48) Methyl methacrylate	7.73	41	28791	12.867	ug/l #	55
49) 1,4-Dioxane	7.76	88	23	0.367	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	13896	4.667	ug/l	88
52) Toluene	8.78	92	45832	8.349	ug/l	96
55) 1,1,2-Trichloroethane	9.16	97	16070	7.109	ug/l #	18
56) Ethyl methacrylate	9.16	69	4096	1.239	ug/l #	4

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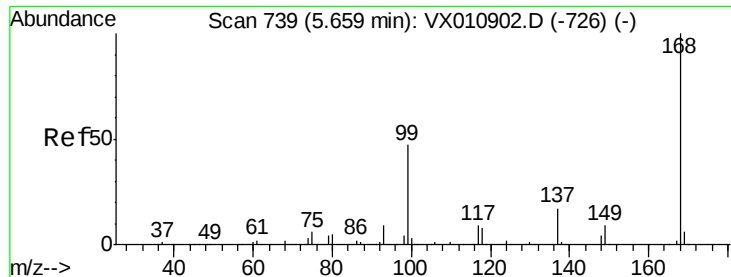
Instrument :
 MSVOA_X
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

59) 2-Hexanone	9.62	43	2304	0.998	ug/l	63
67) Ethyl Benzene	10.25	91	3027545	273.386	ug/l	100
68) m/p-Xylenes	10.36	106	2275999	535.784	ug/l	100
69) o-Xylene	10.69	106	293605	70.820	ug/l	98
70) Styrene	10.69	104	14690	2.126	ug/l #	1
73) Isopropylbenzene	11.02	105	277450	24.079	ug/l	100
74) N-amyl acetate	10.94	43	9155	2.079	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	11.27	83	1823	0.483	ug/l #	76
76) 1,2,3-Trichloropropane	11.36	75	5403	1.756	ug/l #	1
78) n-propylbenzene	11.36	91	782440	61.457	ug/l	99
79) 2-Chlorotoluene	11.43	91	310637	40.616	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	808973	84.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.01	75	3331	6.504	ug/l #	69
82) 4-Chlorotoluene	11.51	91	86997	9.773	ug/l #	43
83) tert-Butylbenzene	11.80	119	325992	34.470	ug/l #	57
84) 1,2,4-Trimethylbenzene	11.80	105	2653572	273.442	ug/l	100
85) sec-Butylbenzene	11.80	105	2653572	239.459	ug/l #	55
86) p-Isopropyltoluene	12.02	119	46479	4.537	ug/l	97
89) n-Butylbenzene	12.37	91	97111	11.080	ug/l #	18
90) Hexachloroethane	12.58	117	14977	9.269	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1488	1.888	ug/l #	1
95) Naphthalene	13.83	128	718601	65.687	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

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MSVOA_X

ClientSampleId :

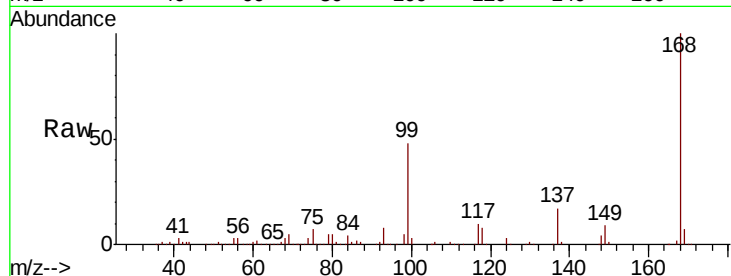
MW-7

Tot Ion:168 Resp: 209196

Ion Ratio Lower Upper

168 100

99 47.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

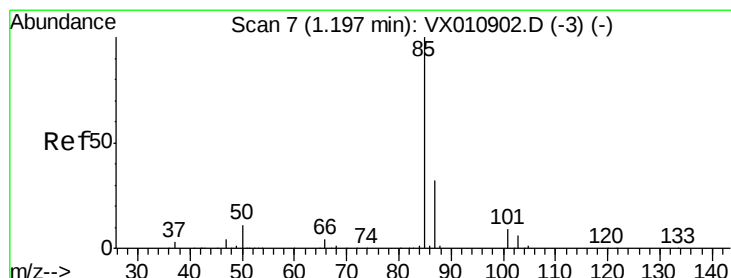
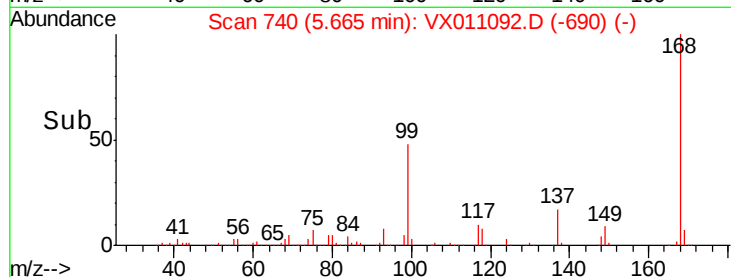
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.564 ug/l

RT: 1.30 min Scan# 24

Delta R.T. 0.10 min

Lab File: VX011092.D

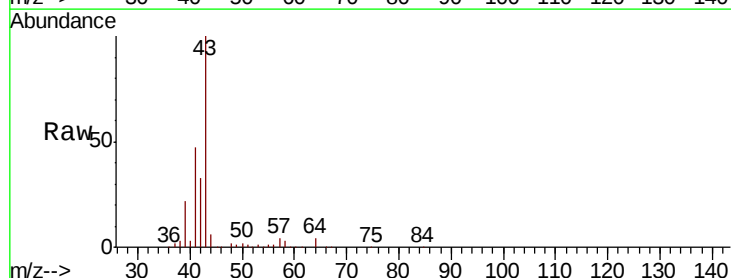
Acq: 26 Jul 2019 15:49

Tgt Ion: 85 Resp: 40

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.30

60

50

40

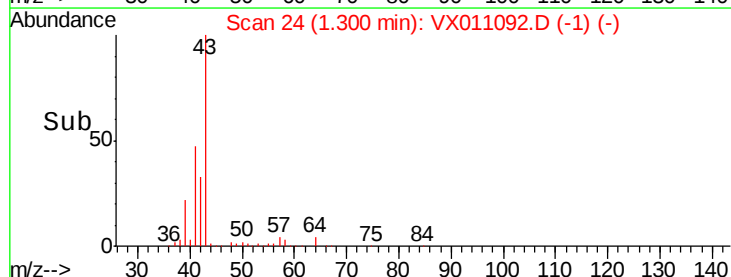
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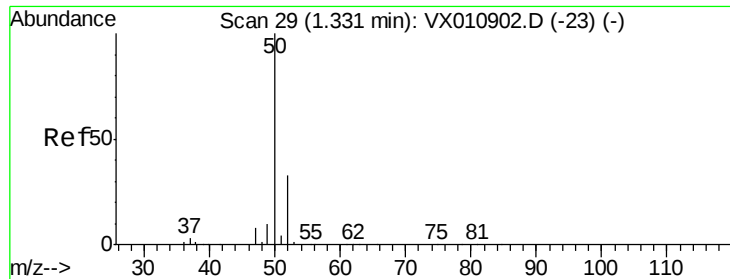
20

10

0

Time--> 1.28 1.30 1.32





#3

Chloromethane

Concen: 0.400 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

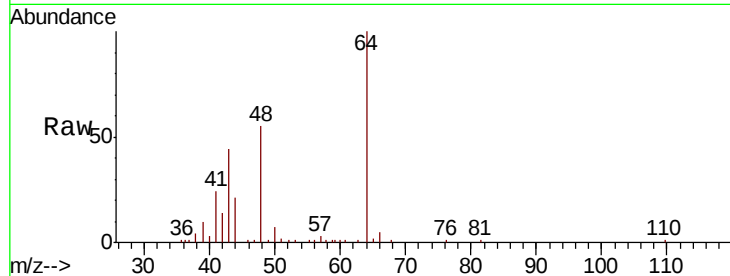
MW-7

Tot Ion: 50 Resp: 769

Ion Ratio Lower Upper

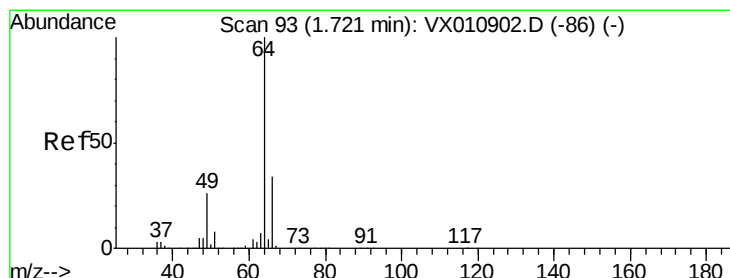
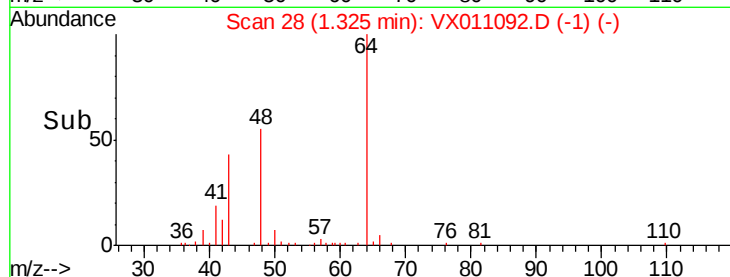
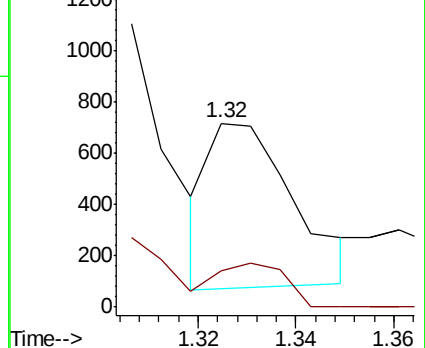
50 100

52 18.2 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#6

Chloroethane

Concen: 0.403 ug/l

RT: 1.92 min Scan# 125

Delta R.T. 0.20 min

Lab File: VX011092.D

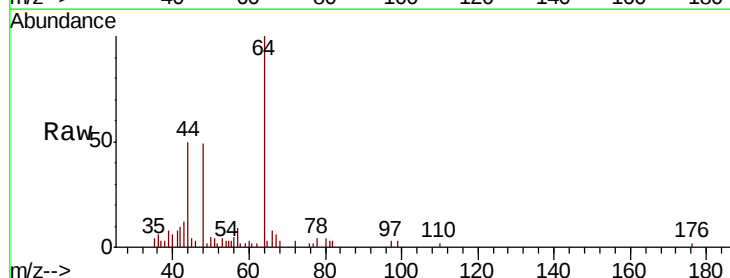
Acq: 26 Jul 2019 15:49

Tgt Ion: 64 Resp: 503

Ion Ratio Lower Upper

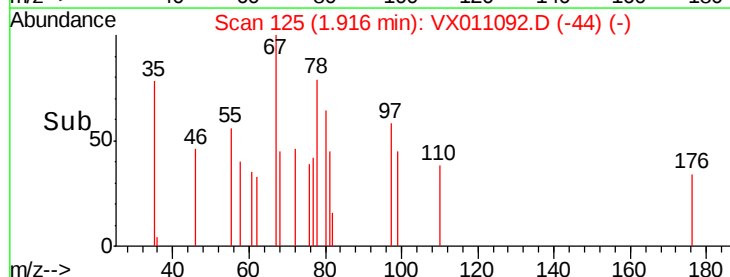
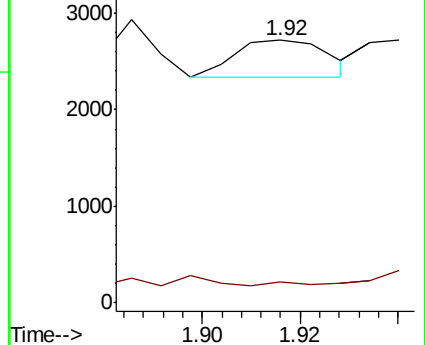
64 100

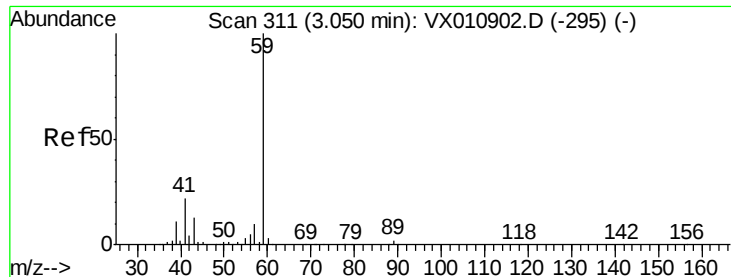
66 3.2 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

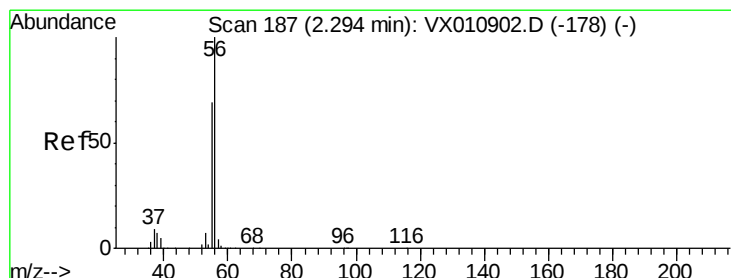
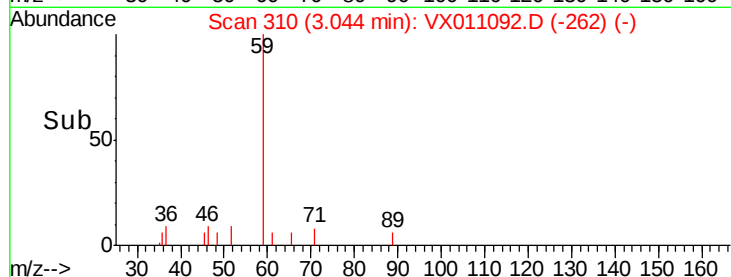
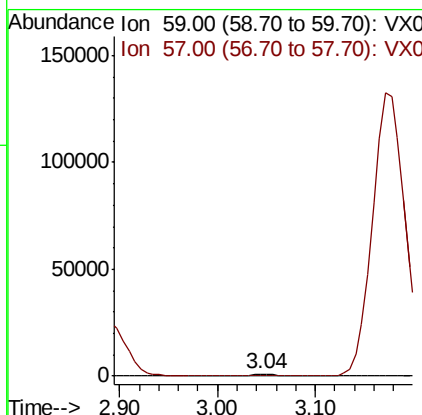
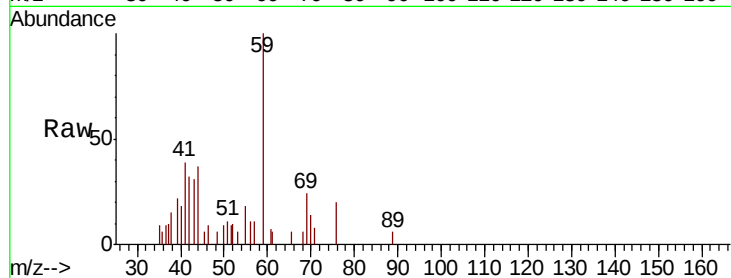




#11
Tert butyl alcohol
Concen: 4.573 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

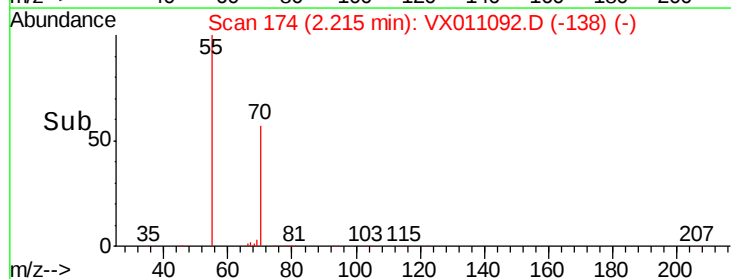
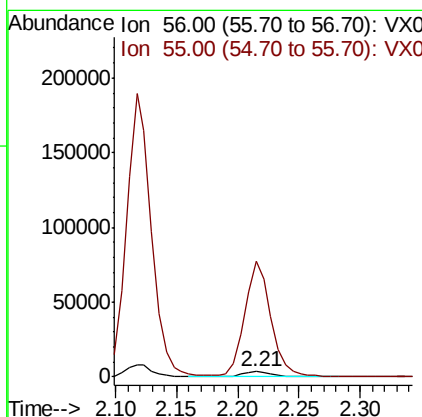
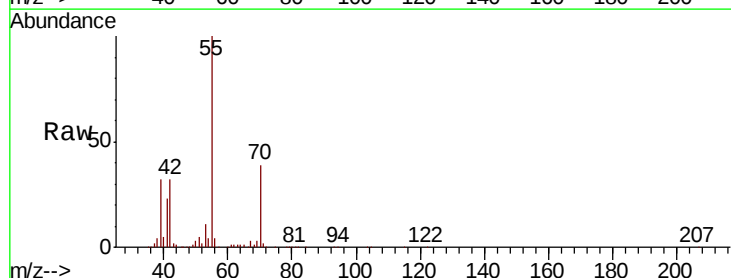
Instrument :
MSVOA_X
ClientSampled :
MW-7

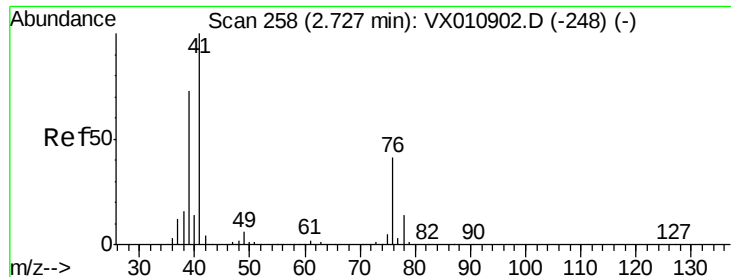
Tot Ion: 59 Resp: 2370
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#13
Acrolein
Concen: 20.721 ug/l
RT: 2.21 min Scan# 174
Delta R.T. -0.08 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

Tgt Ion: 56 Resp: 6205
Ion Ratio Lower Upper
56 100
55 1854.8 55.9 83.9#





#14

Allvl chloride

Concen: 18.736 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampled :

MW-7

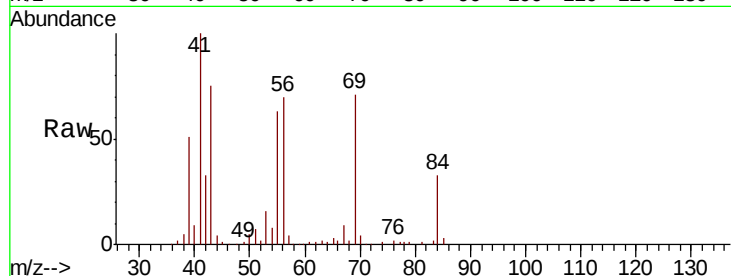
Tot Ion: 41 Resp: 50710

Ion Ratio Lower Upper

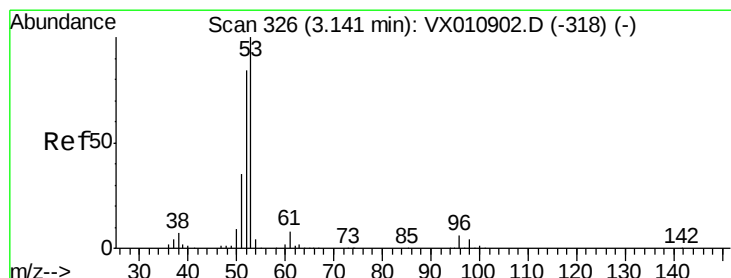
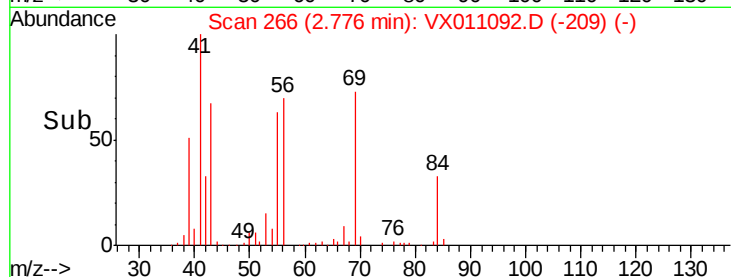
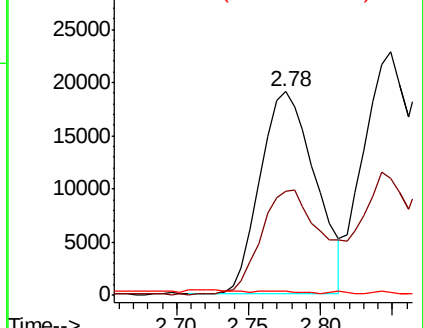
41 100

39 59.6 53.6 80.4

76 0.0 29.7 44.5#



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: 11.241 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

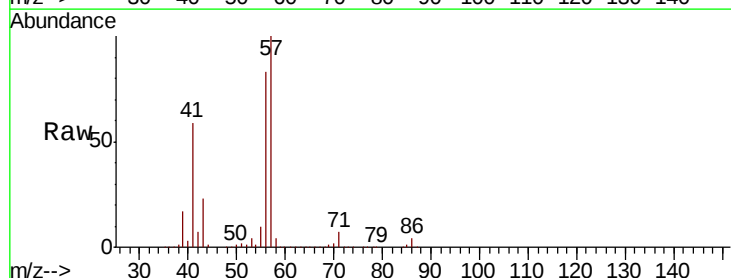
Tgt Ion: 53 Resp: 11773

Ion Ratio Lower Upper

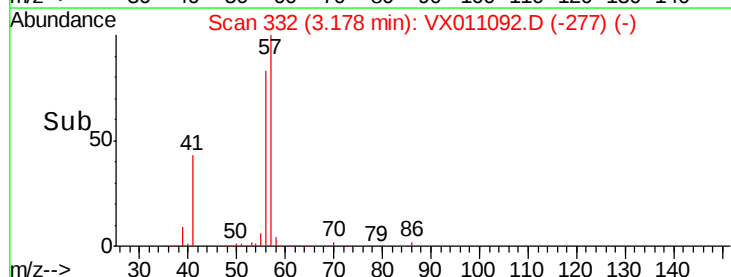
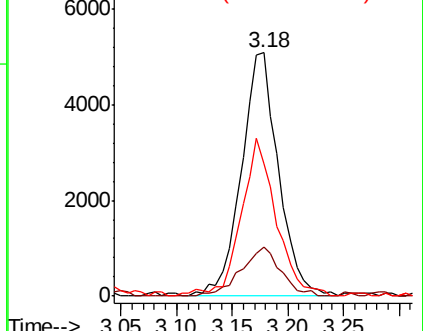
53 100

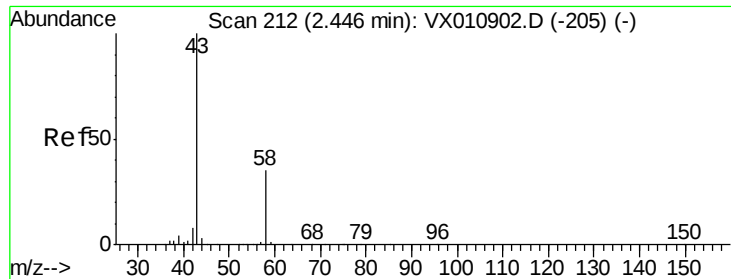
52 21.5 66.5 99.7#

51 61.2 28.2 42.4#



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: 6.695 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampled :

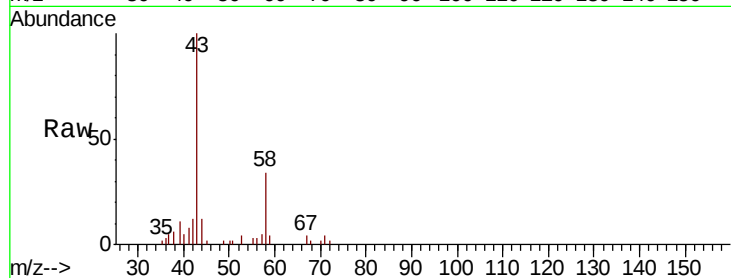
MW-7

Tot Ion: 43 Resp: 6730

Ion Ratio Lower Upper

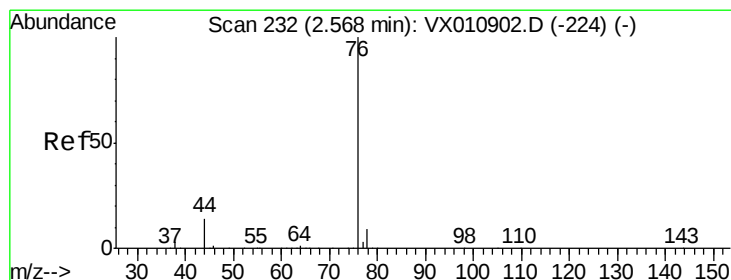
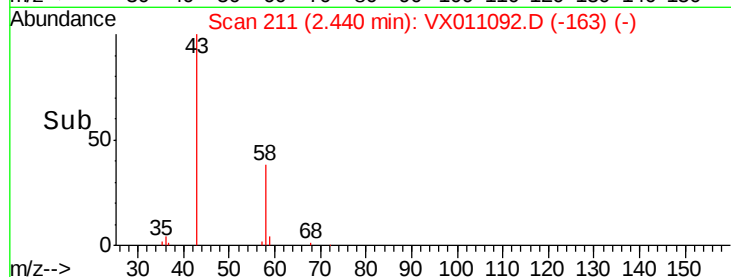
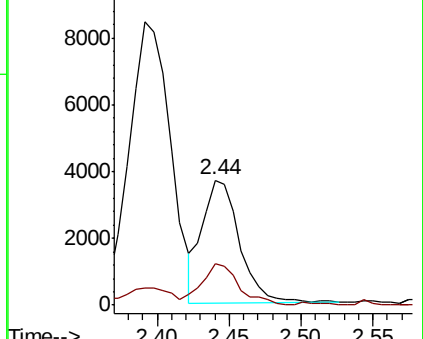
43 100

58 34.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.481 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX011092.D

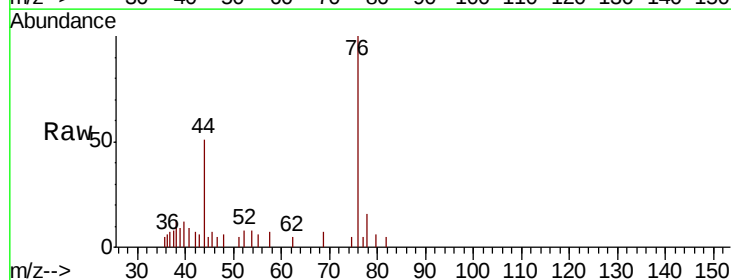
Acq: 26 Jul 2019 15:49

Tgt Ion: 76 Resp: 2300

Ion Ratio Lower Upper

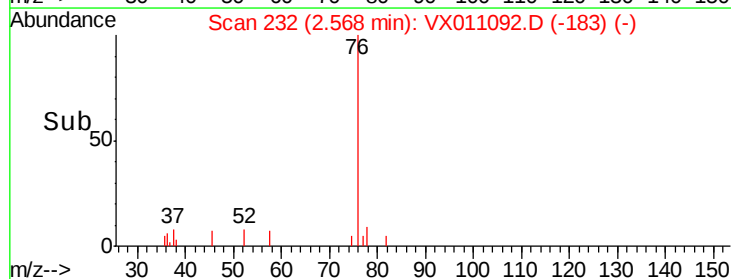
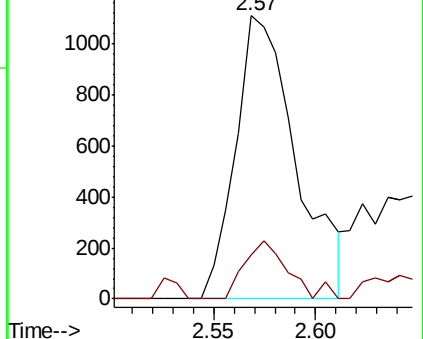
76 100

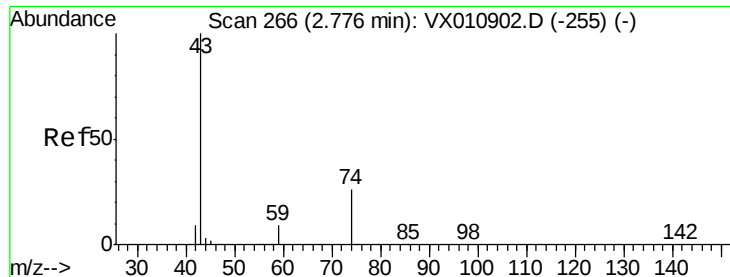
78 15.7 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

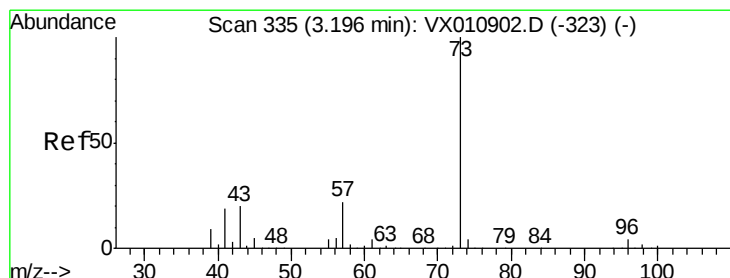
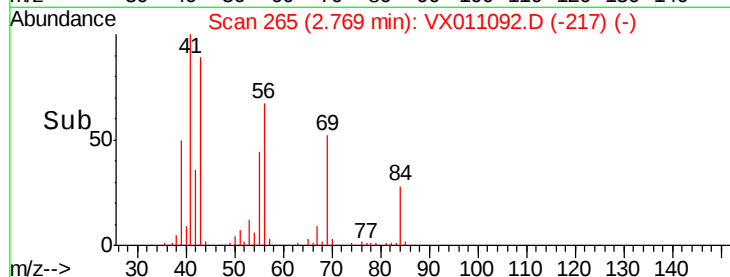
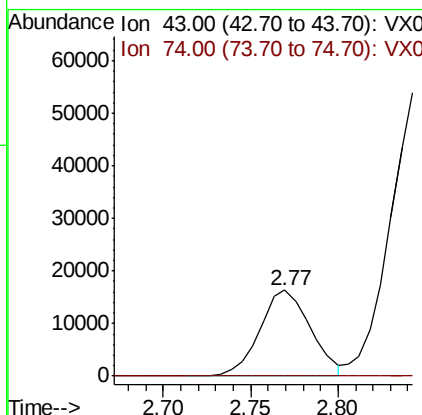
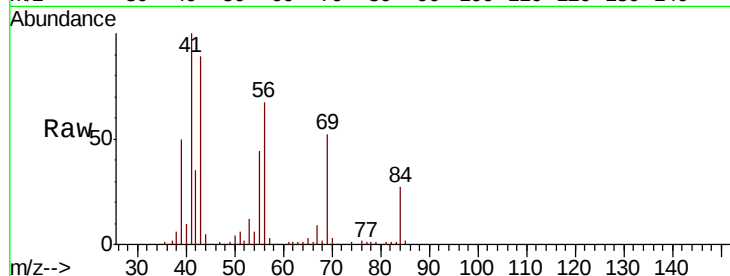




#18
Methyl Acetate
Concen: 14.367 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

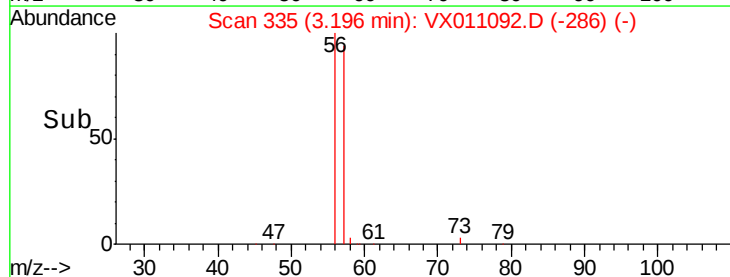
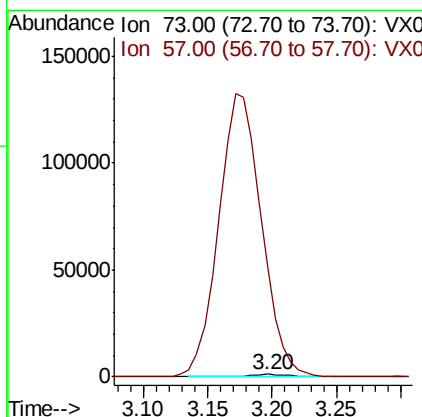
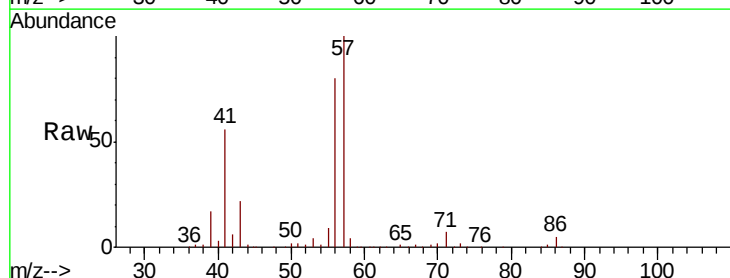
Instrument :
MSVOA_X
ClientSampleId :
MW-7

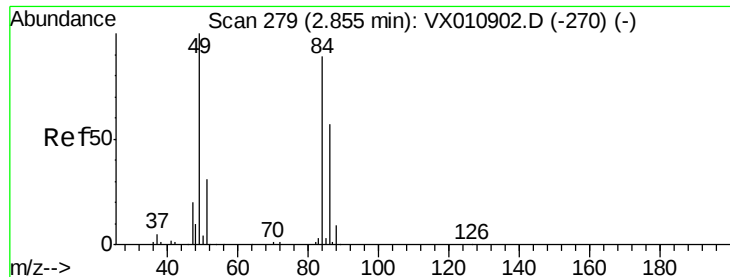
Tot Ion: 43 Resp: 32883
Ion Ratio Lower Upper
43 100
74 0.6 21.5 32.3#



#19
Methyl tert-butyl Ether
Concen: 0.444 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

Tgt Ion: 73 Resp: 2664
Ion Ratio Lower Upper
73 100
57 4331.4 17.3 25.9#





#20

Methvlene Chloride

Concen: 8.593 ug/l

RT: 2.79 min Scan# 268

Delta R.T. -0.07 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampled :

MW-7

Tot Ion: 84 Resp: 18304

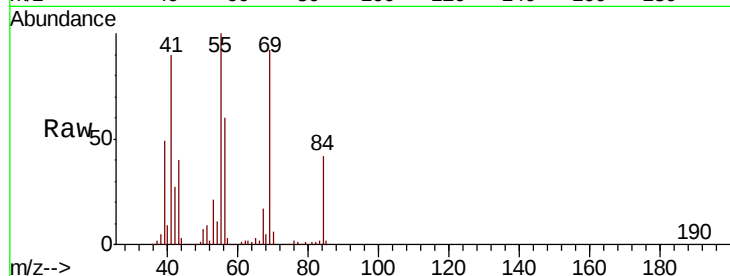
Ion Ratio Lower Upper

84 100

49 2.8 89.9 134.9#

51 22.1 27.8 41.6#

86 0.0 51.8 77.6#

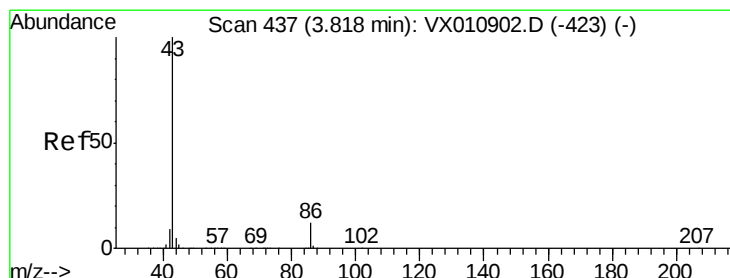
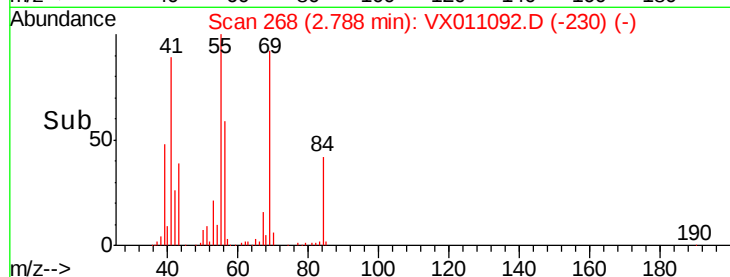
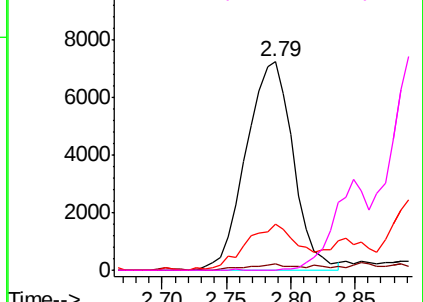


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#23

Vinyl Acetate

Concen: 2.617 ug/l

RT: 3.75 min Scan# 426

Delta R.T. -0.07 min

Lab File: VX011092.D

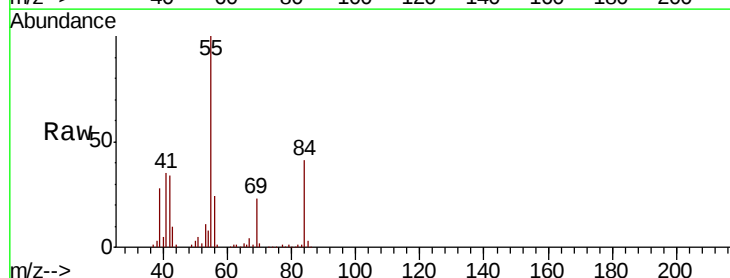
Acq: 26 Jul 2019 15:49

Tgt Ion: 43 Resp: 12656

Ion Ratio Lower Upper

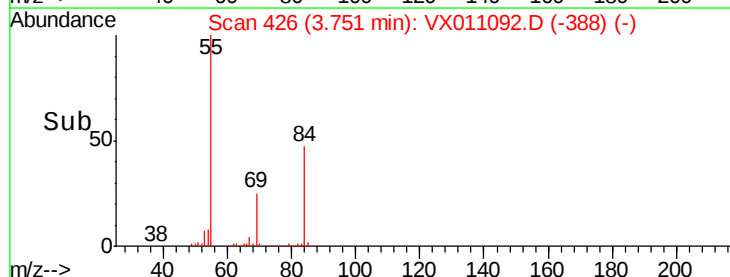
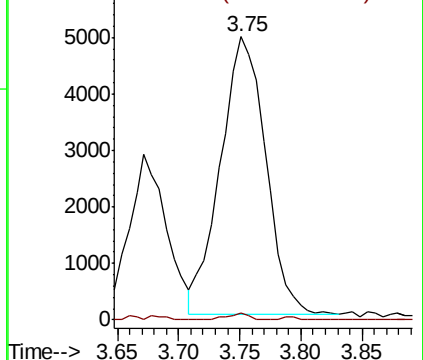
43 100

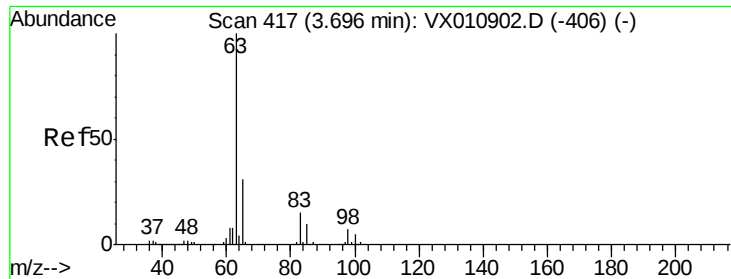
86 2.5 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#24

1,1-Dichloroethane

Concen: 0.365 ug/l

RT: 3.68 min Scan# 414

Delta R.T. -0.02 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

MW-7

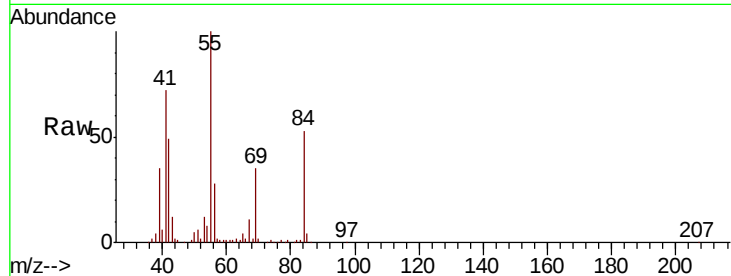
Tot Ion: 63 Resp: 1211

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

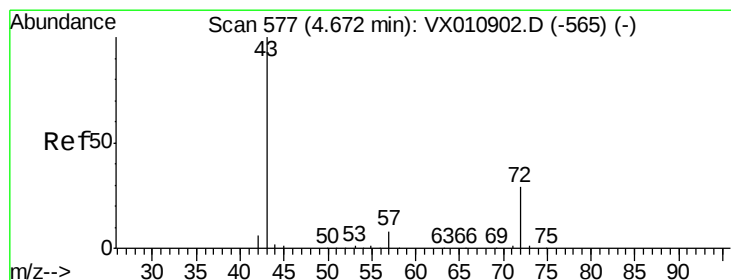
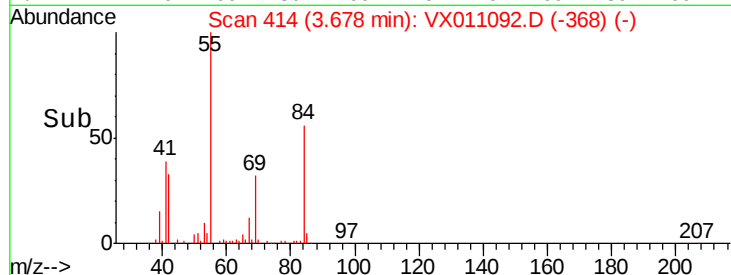
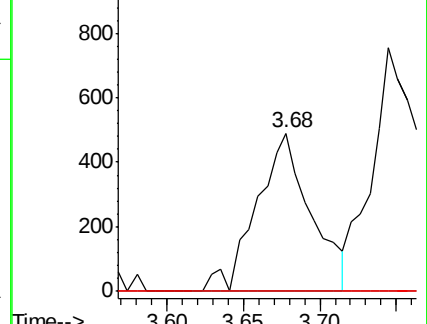
100 0.0 2.4 7.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 4.223 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX011092.D

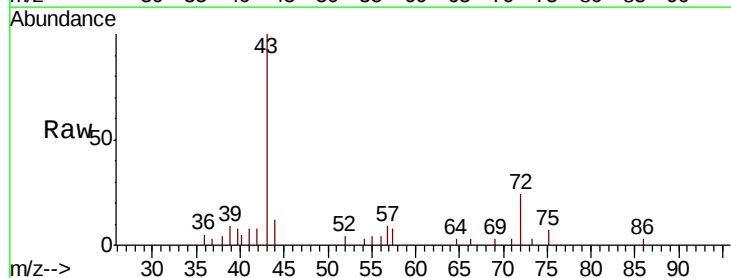
Acq: 26 Jul 2019 15:49

Tgt Ion: 43 Resp: 6094

Ion Ratio Lower Upper

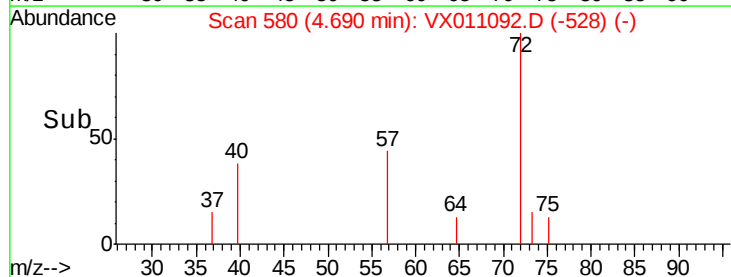
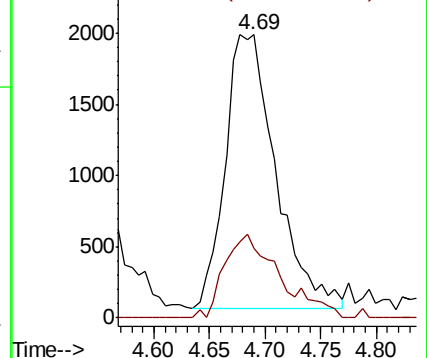
43 100

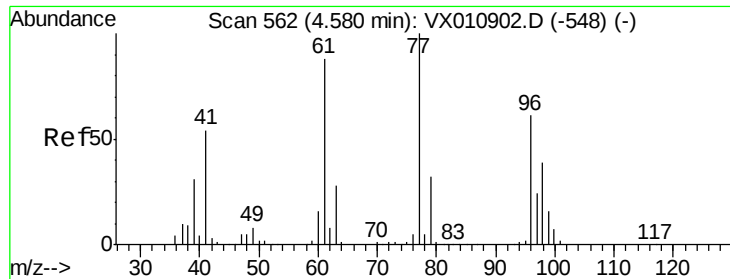
72 25.3 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 4.082 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.18 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampled :

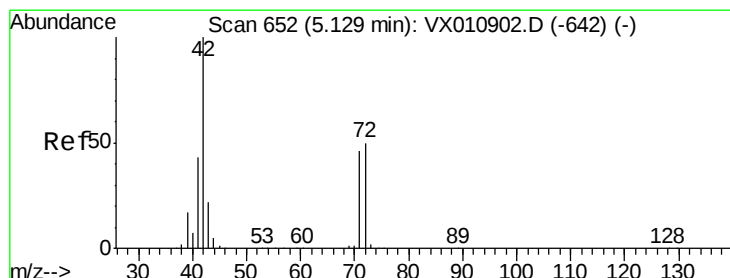
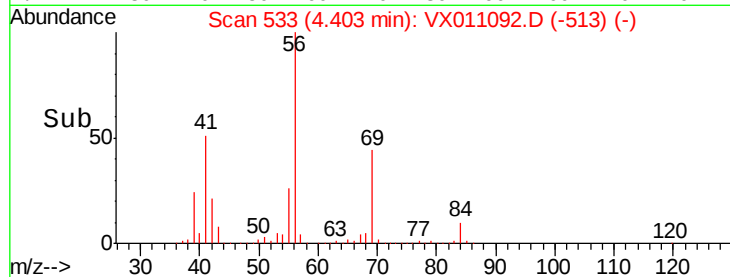
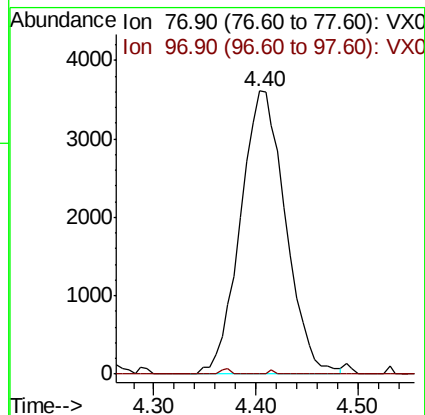
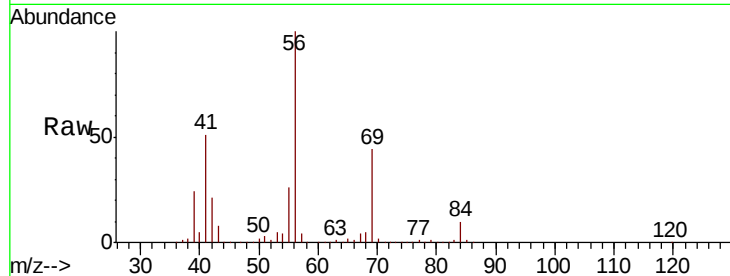
MW-7

Tot Ion: 77 Resp: 11111

Ion Ratio Lower Upper

77 100

97 0.2 12.6 37.6#



#29

Tetrahydrofuran

Concen: 0.666 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

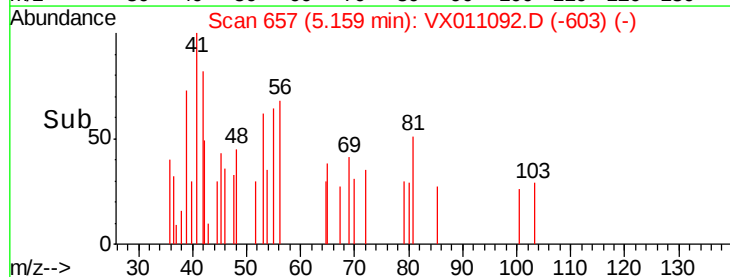
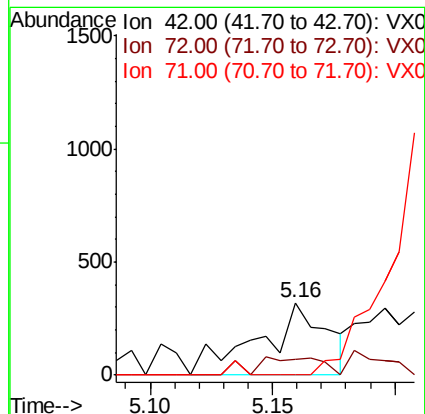
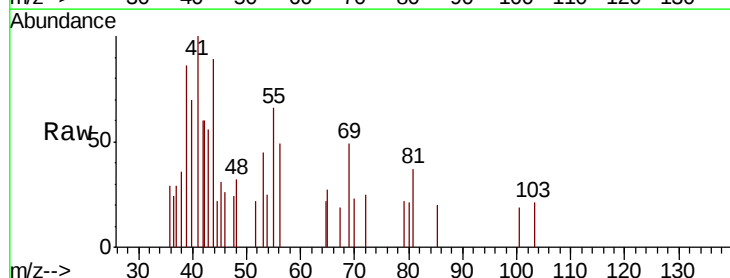
Tgt Ion: 42 Resp: 609

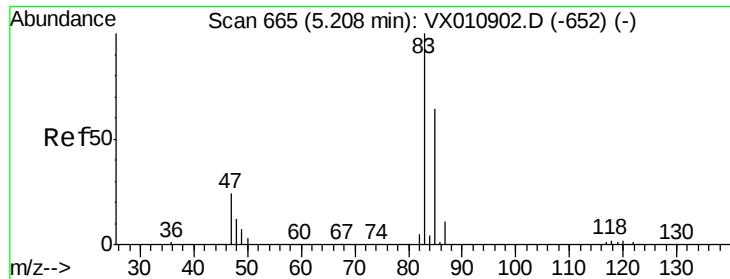
Ion Ratio Lower Upper

42 100

72 24.5 39.8 59.8#

71 0.0 37.0 55.4#

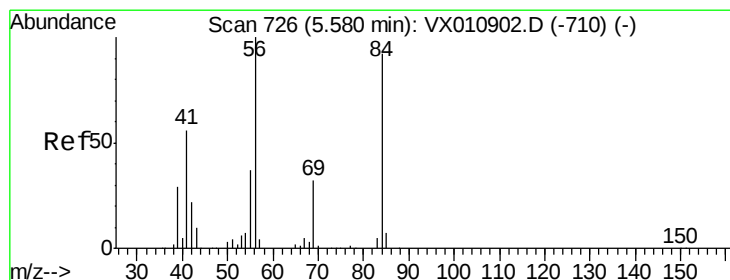
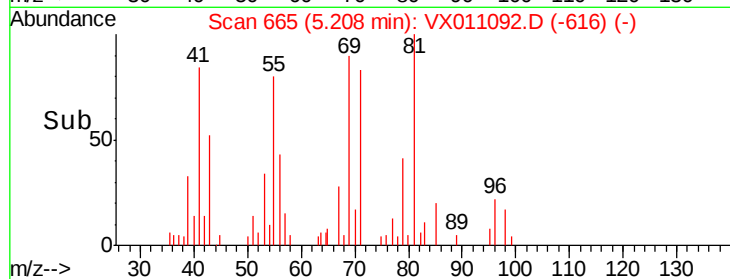
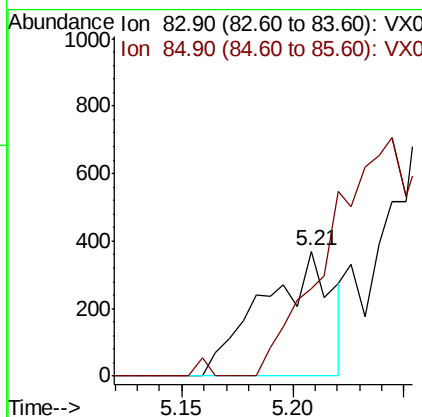
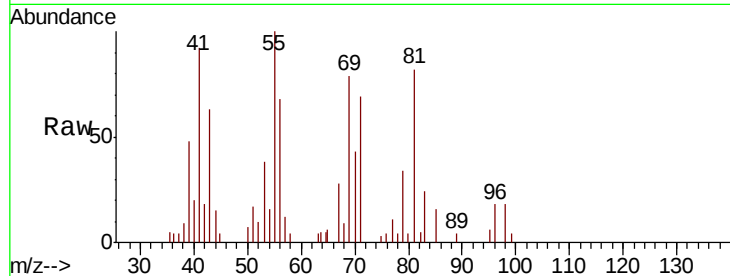




#30
Chloroform
Concen: 0.222 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

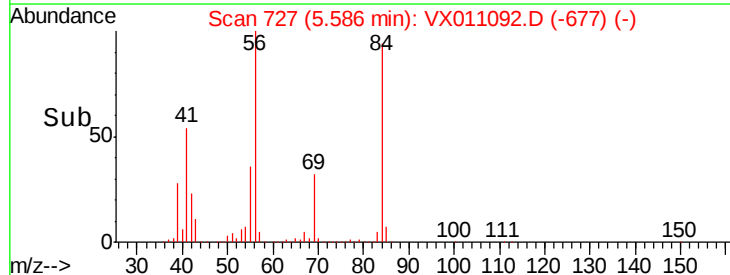
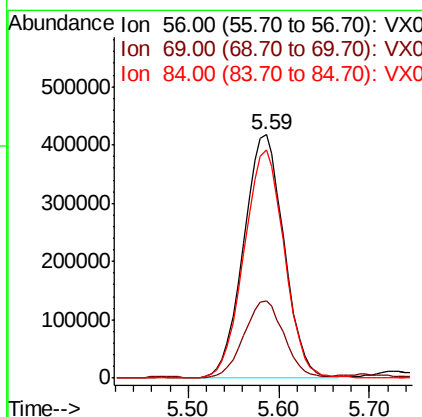
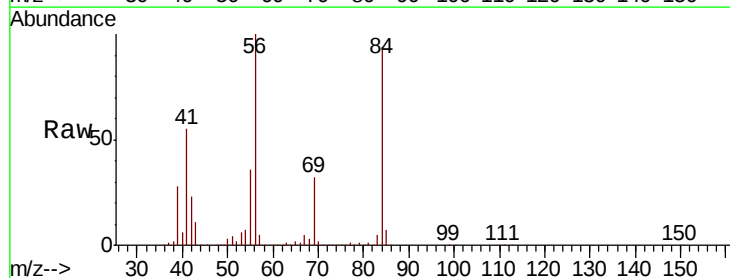
Instrument :
MSVOA_X
ClientSampleId :
MW-7

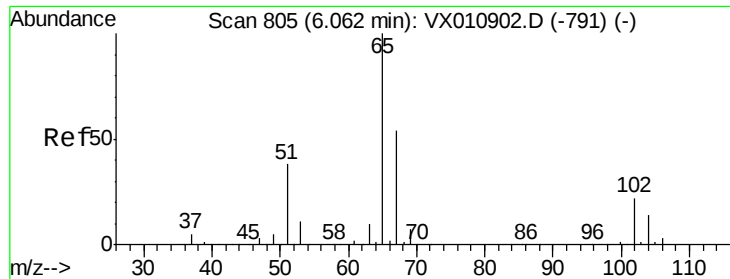
Tot Ion: 83 Resp: 796
Ion Ratio Lower Upper
83 100
85 69.7 51.4 77.0



#31
Cyclohexane
Concen: 424.694 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

Tgt Ion: 56 Resp: 1283320
Ion Ratio Lower Upper
56 100
69 31.6 25.8 38.8
84 93.8 73.8 110.6

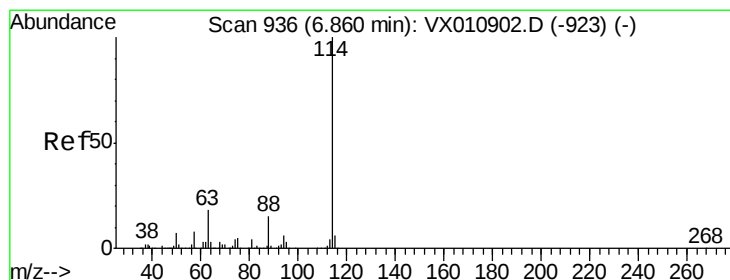
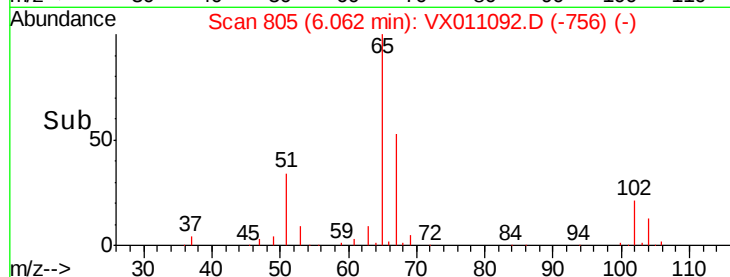
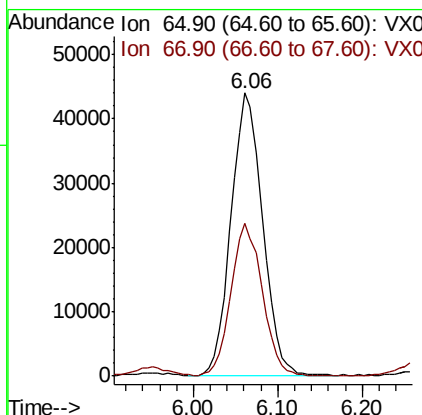
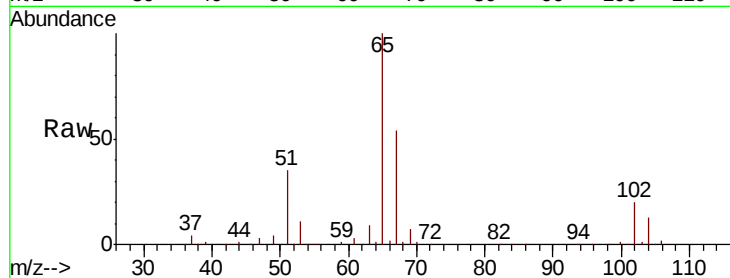




#33
 1,2-Dichloroethane-d4
 Concen: 50.108 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX011092.D
 Acq: 26 Jul 2019 15:49

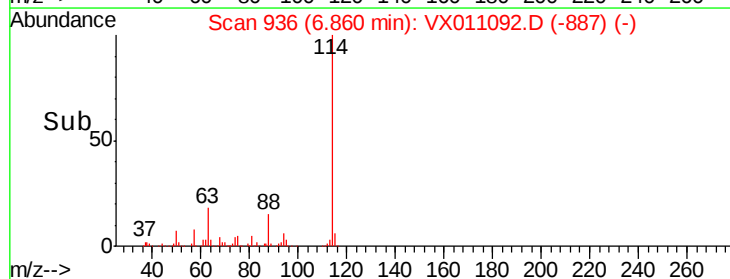
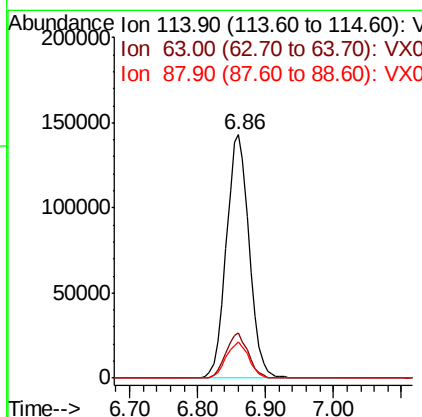
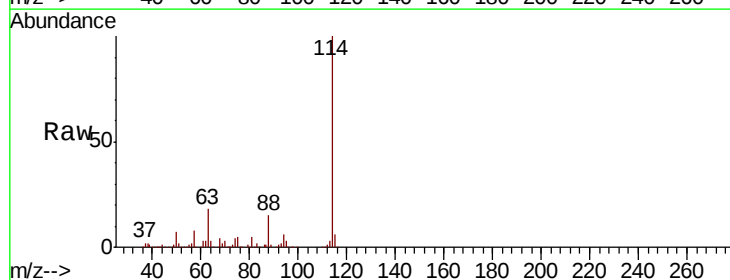
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

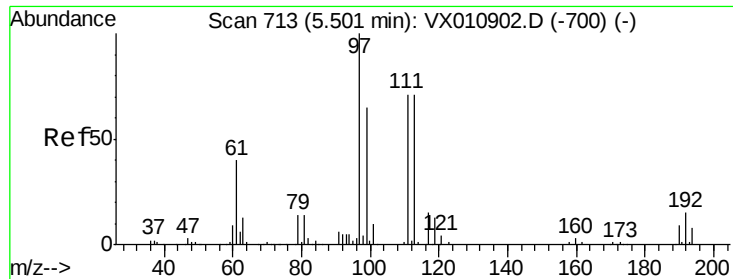
Tot Ion: 65 Resp: 111517
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX011092.D
 Acq: 26 Jul 2019 15:49

Tgt Ion: 114 Resp: 332125
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.6
 88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.265 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

MW-7

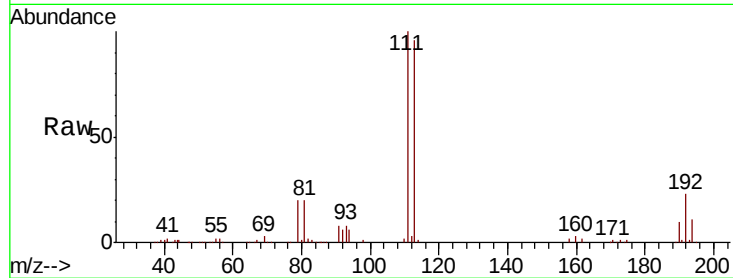
Tot Ion:113 Resp: 101745

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

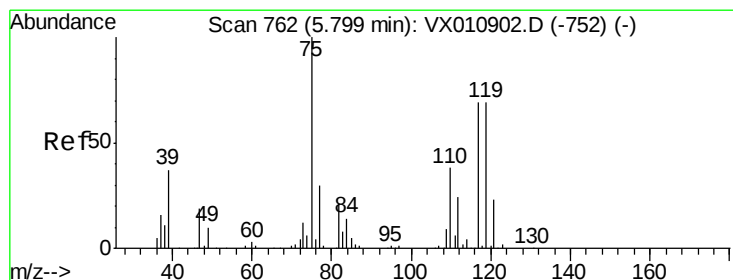
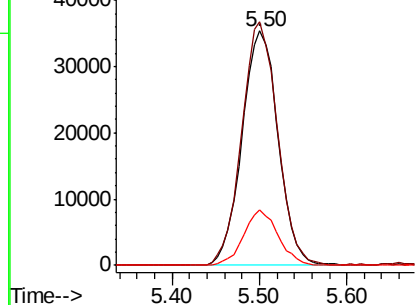
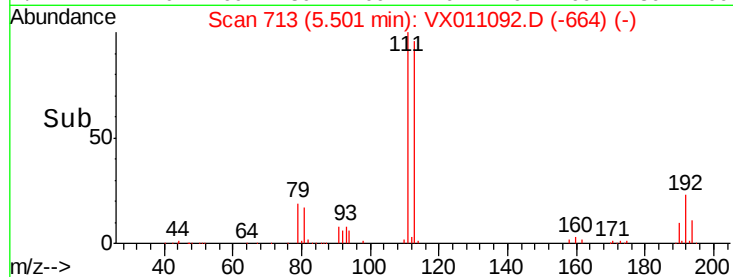
192 22.5 17.4 26.2



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: 5.250 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

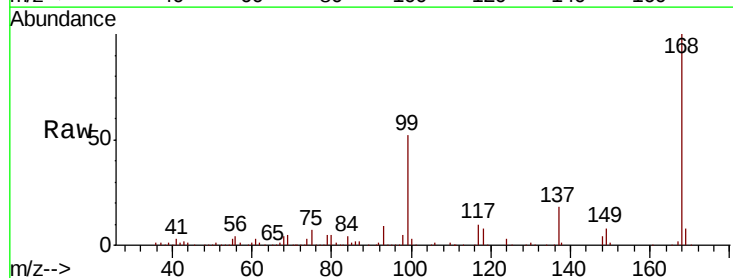
Tgt Ion: 75 Resp: 14323

Ion Ratio Lower Upper

75 100

110 11.7 19.9 59.7#

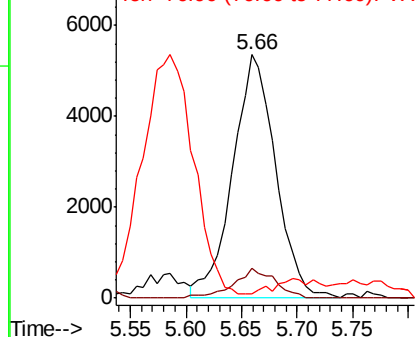
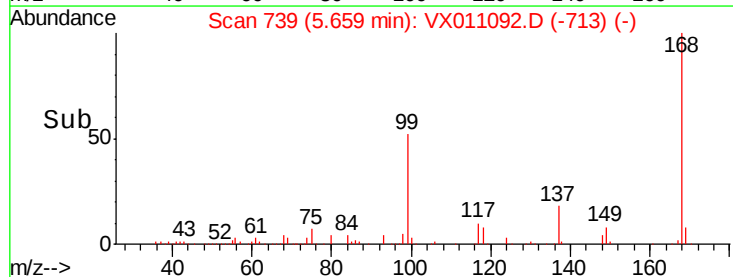
77 0.0 25.0 37.4#

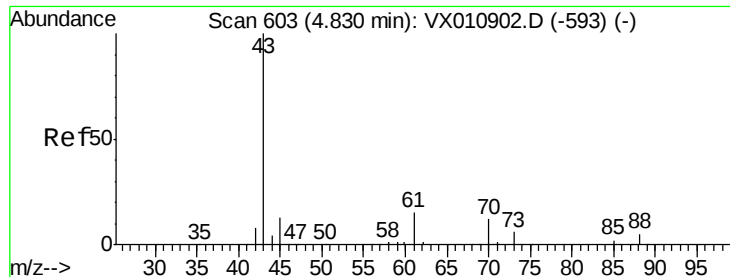


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.568 ug/l

RT: 4.89 min Scan# 613

Delta R.T. 0.06 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampled :

MW-7

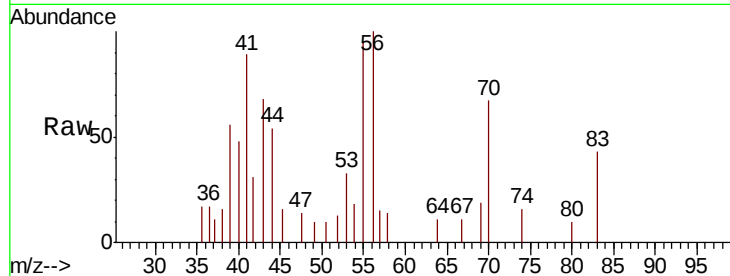
Tot Ion: 43 Resp: 1588

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

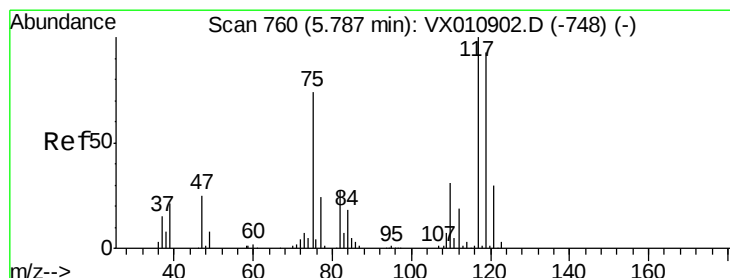
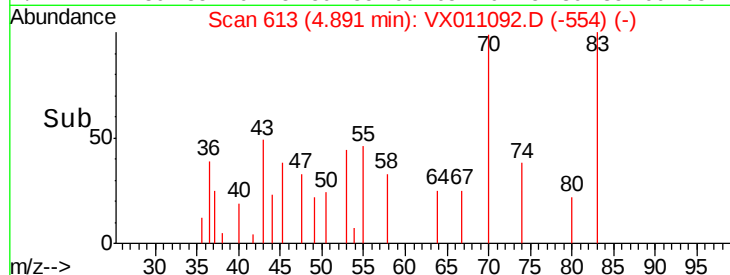
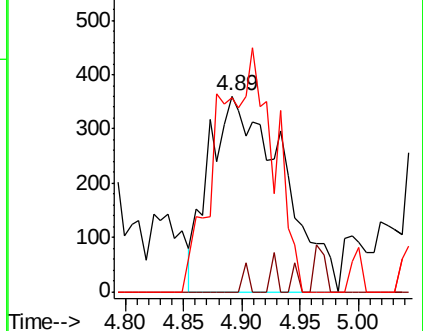
70 43.3 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 7.141 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

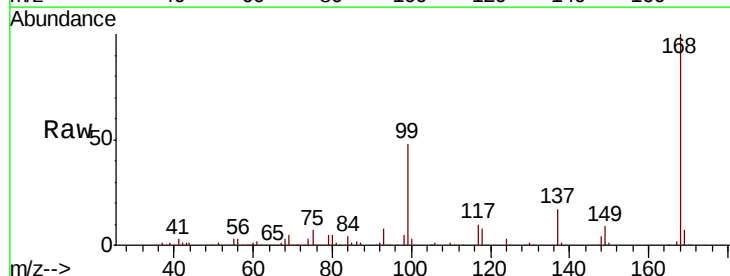
Tgt Ion: 117 Resp: 20301

Ion Ratio Lower Upper

117 100

119 4.8 74.2 111.2#

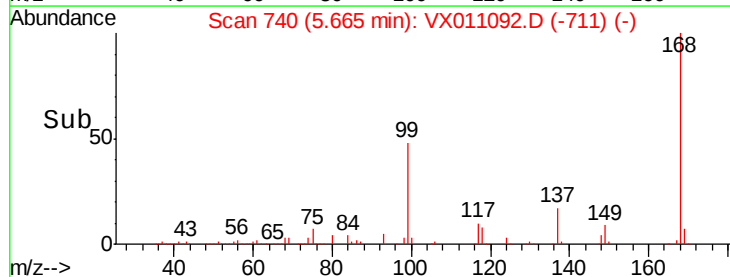
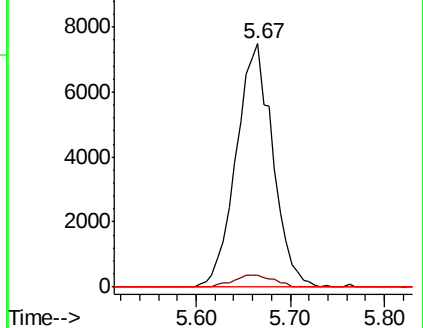
121 0.0 24.2 36.2#

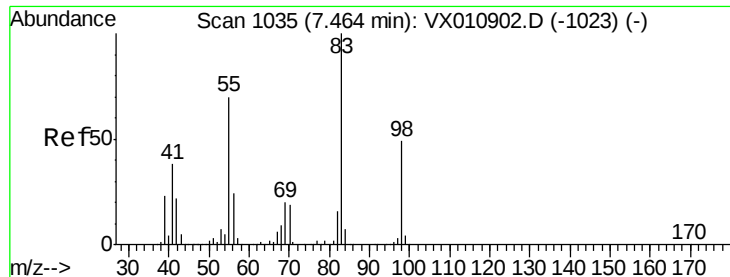


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

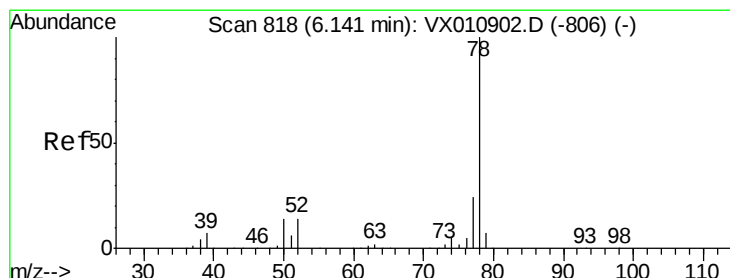
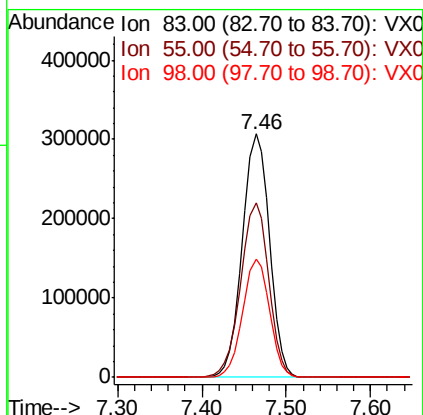
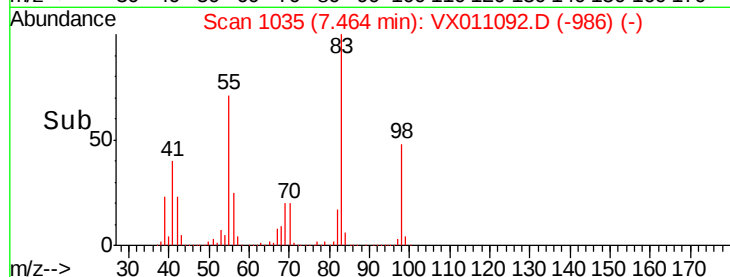
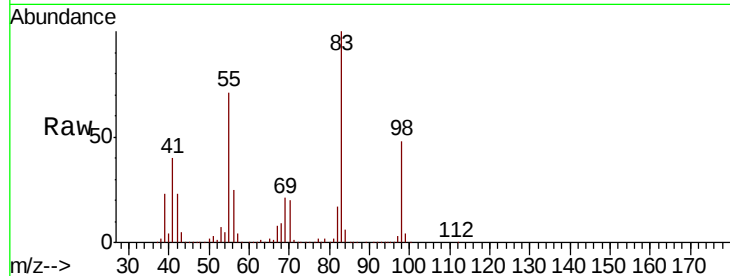




#39
Methvlcvclohexane
Concen: 188.739 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

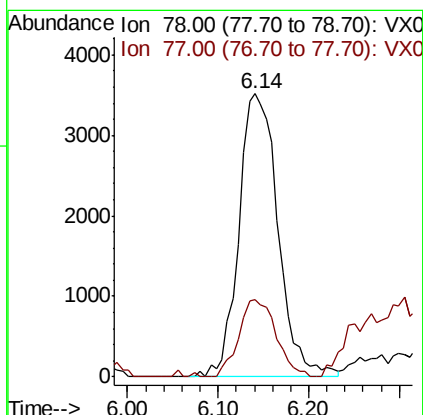
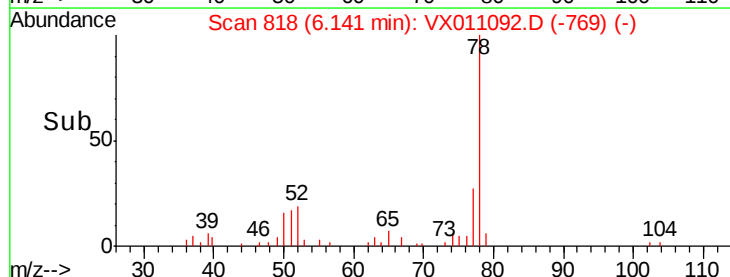
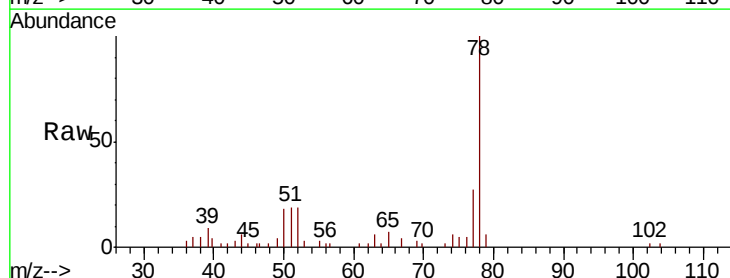
Instrument :
MSVOA_X
ClientSampleId :
MW-7

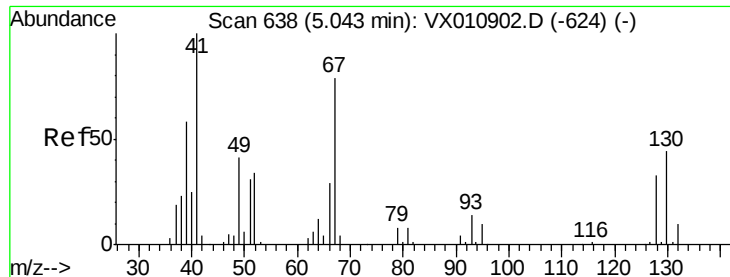
Tot Ion: 83 Resp: 667724
Ion Ratio Lower Upper
83 100
55 71.4 56.2 84.4
98 48.4 39.0 58.4



#40
Benzene
Concen: 1.258 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

Tgt Ion: 78 Resp: 10509
Ion Ratio Lower Upper
78 100
77 27.5 19.0 28.6





#41

Methacrylonitrile

Concen: 0.233 ug/l

RT: 5.00 min Scan# 631

Delta R.T. -0.04 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampled :

MW-7

Tot Ion: 41 Resp: 370

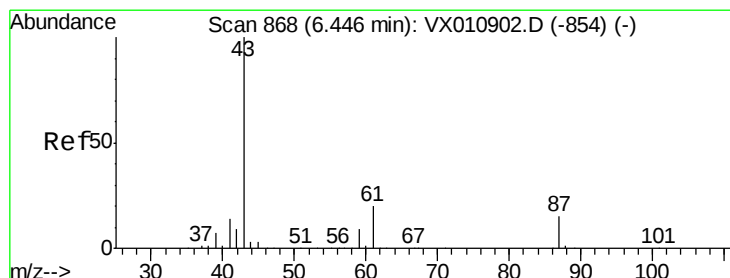
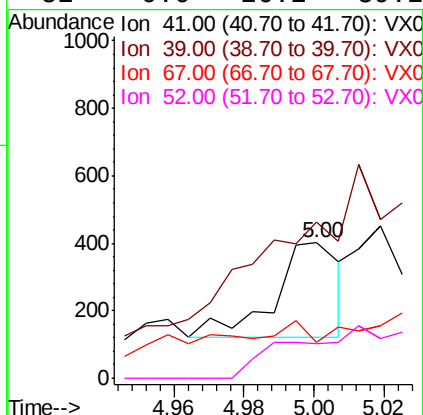
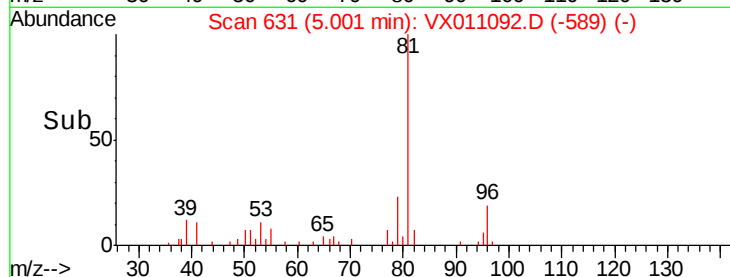
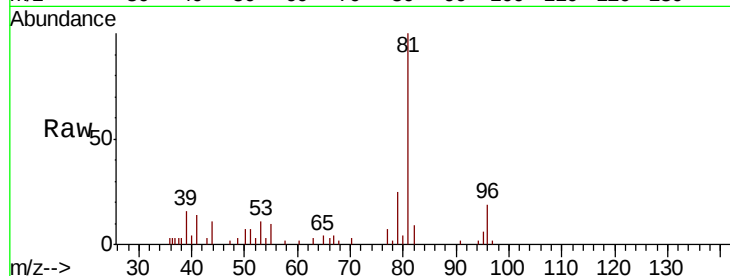
Ion Ratio Lower Upper

41 100

39 0.0 45.4 68.2#

67 109.5 65.9 98.9#

52 0.0 26.2 39.2#



#43

Isopropyl Acetate

Concen: 2.030 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

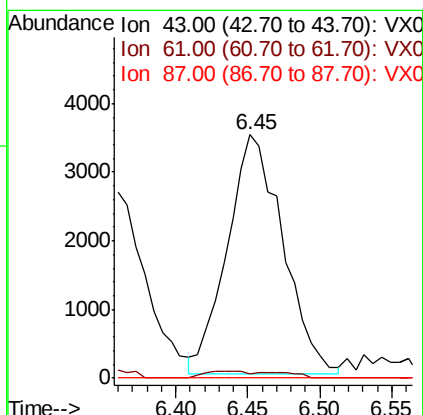
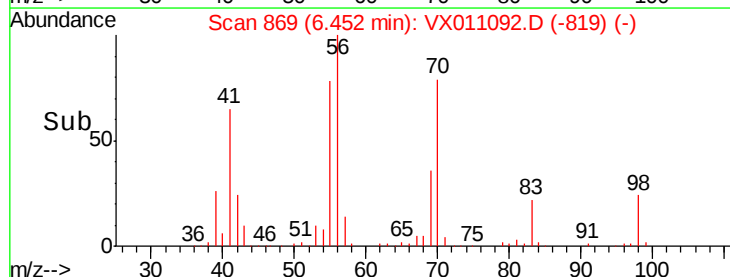
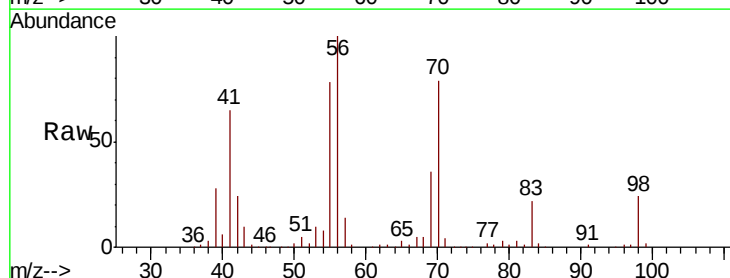
Tgt Ion: 43 Resp: 9323

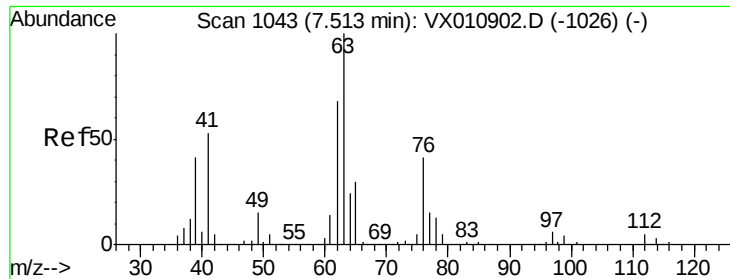
Ion Ratio Lower Upper

43 100

61 4.1 17.1 25.7#

87 0.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 3.484 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampled :

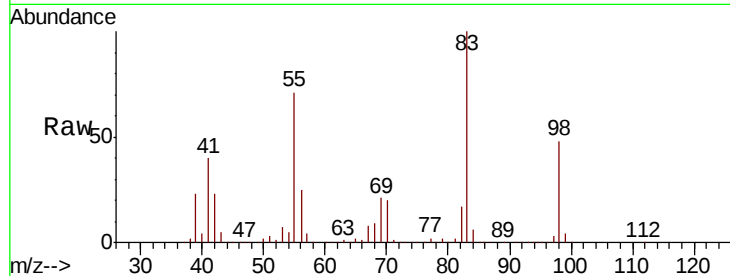
MW-7

Tot Ion: 63 Resp: 7410

Ion Ratio Lower Upper

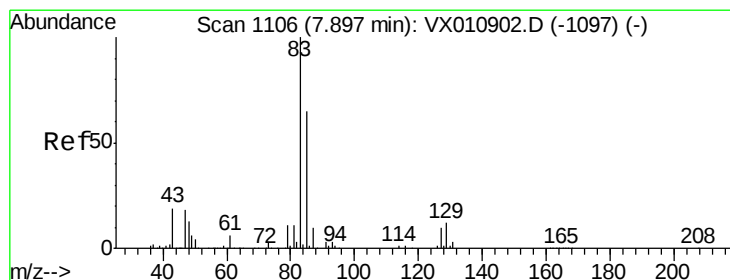
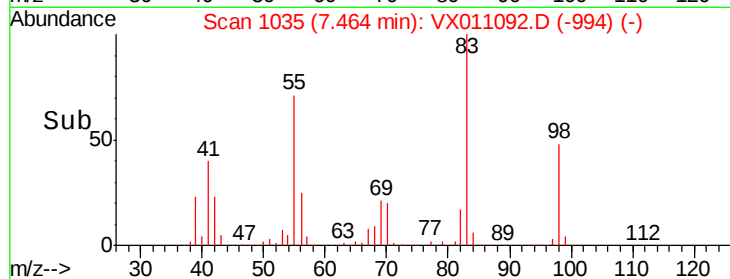
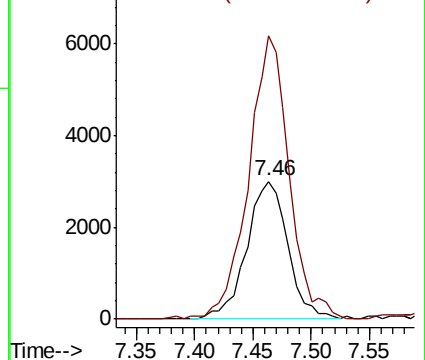
63 100

65 203.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#47

Bromodichloromethane

Concen: 0.734 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.05 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

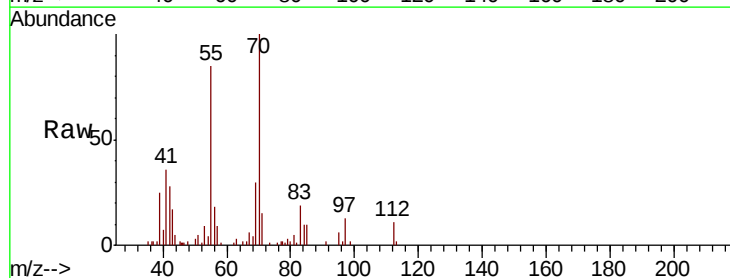
Tgt Ion: 83 Resp: 1985

Ion Ratio Lower Upper

83 100

85 54.0 52.5 78.7

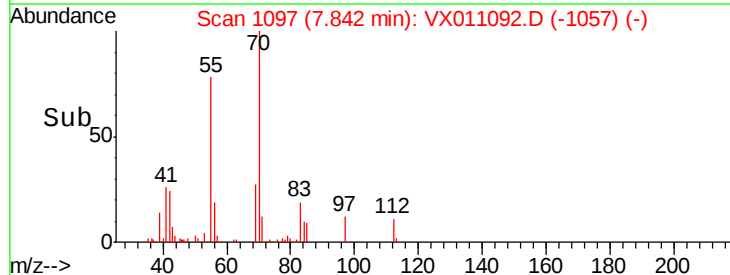
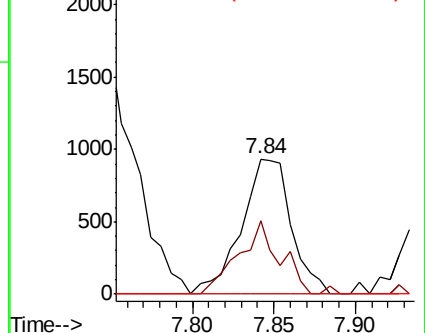
127 0.0 7.8 11.8#

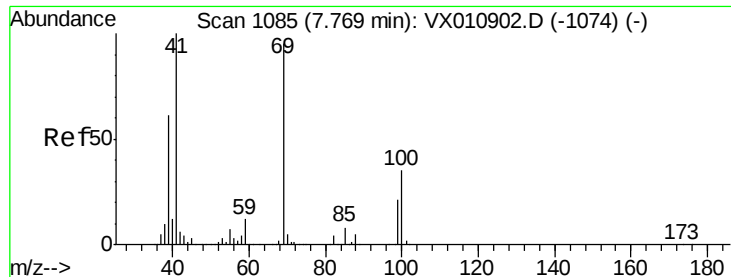


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 12.867 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampled :

MW-7

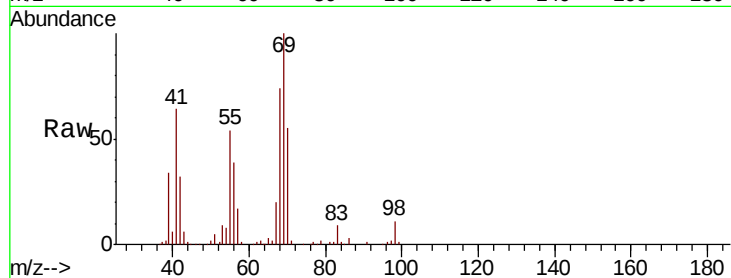
Tot Ion: 41 Resp: 28791

Ion Ratio Lower Upper

41 100

69 158.2 74.4 111.6#

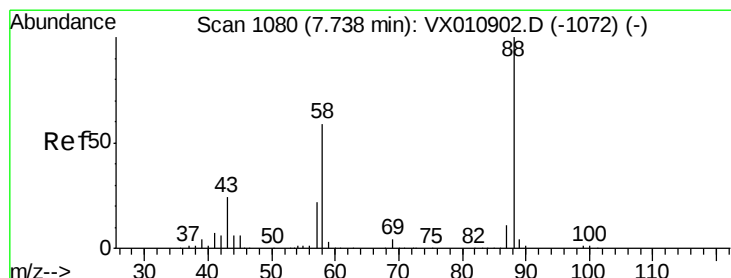
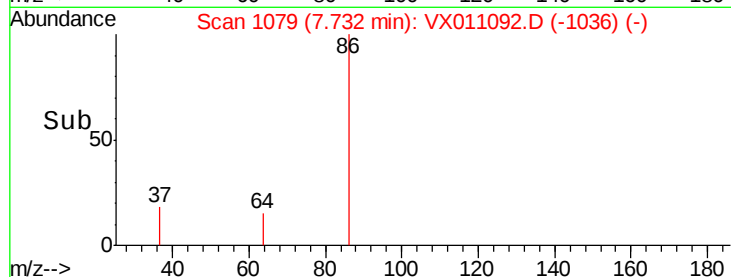
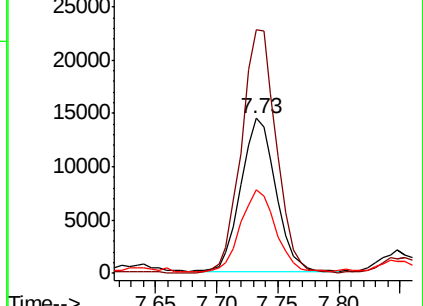
39 53.2 48.9 73.3



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: 0.367 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

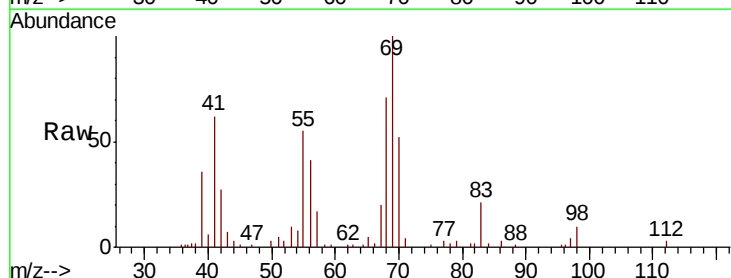
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

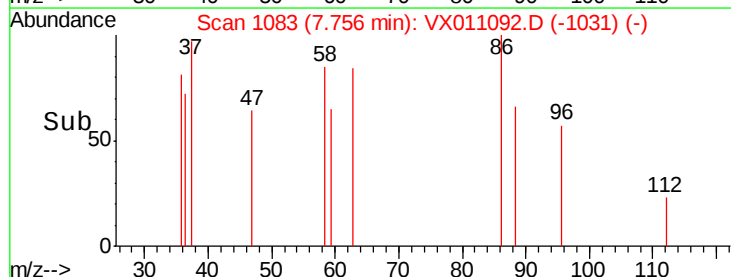
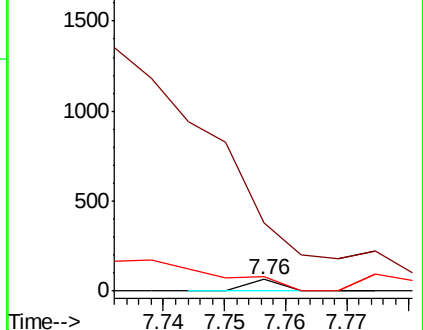
58 443.5 49.8 74.8#

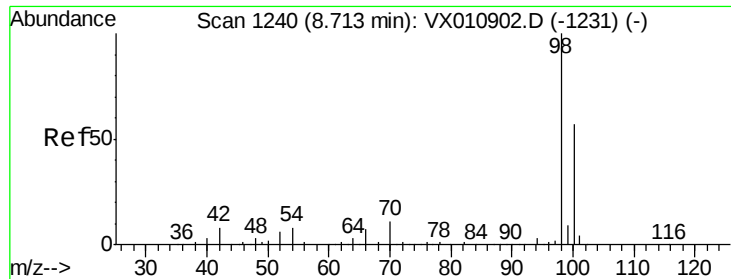


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

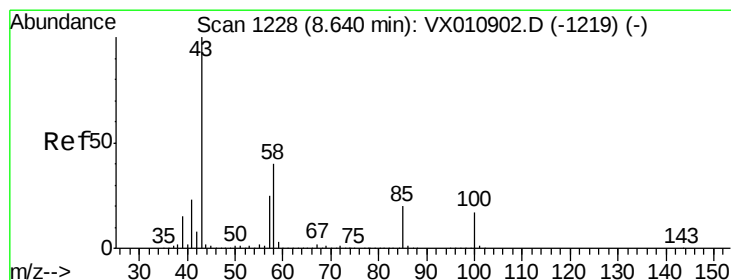
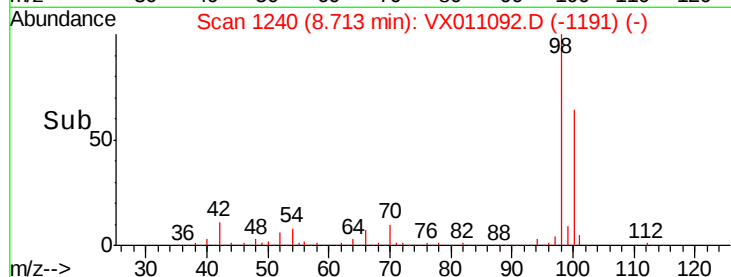
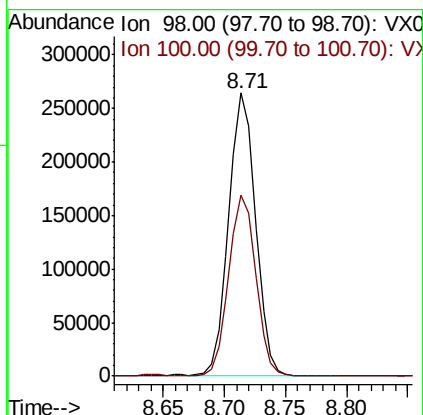
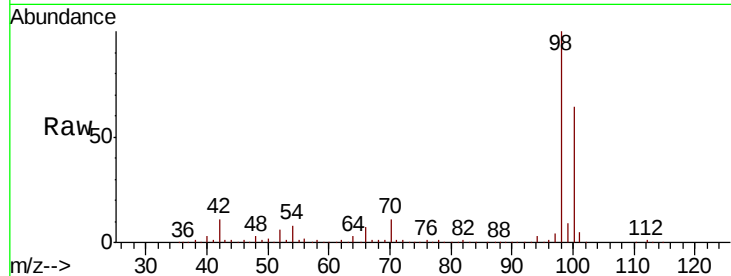




#50
Toluene-d8
Concen: 50.720 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

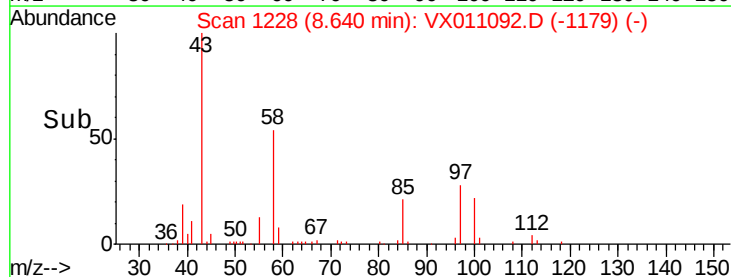
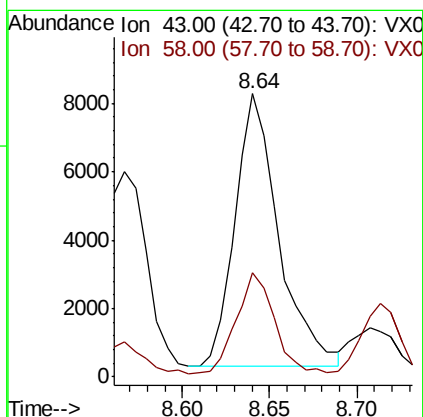
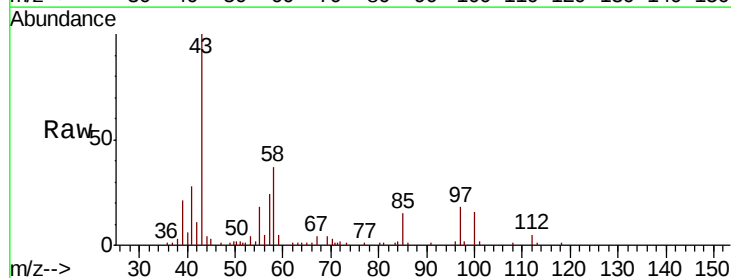
Instrument :
MSVOA_X
ClientSampleId :
MW-7

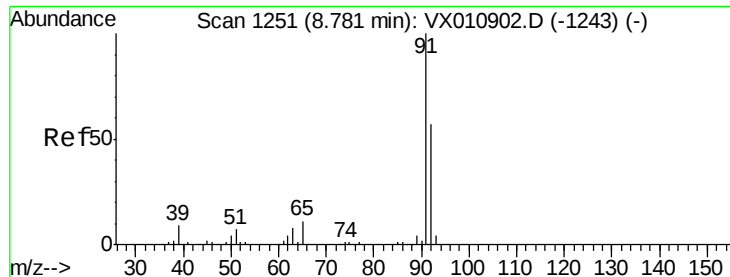
Tot Ion: 98 Resp: 401024
Ion Ratio Lower Upper
98 100
100 64.7 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 4.667 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

Tgt Ion: 43 Resp: 13896
Ion Ratio Lower Upper
43 100
58 32.9 32.2 48.4





#52

Toluene

Concen: 8.349 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

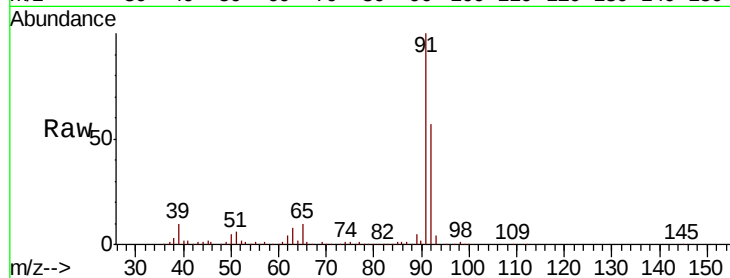
MW-7

Tot Ion: 92 Resp: 45832

Ion Ratio Lower Upper

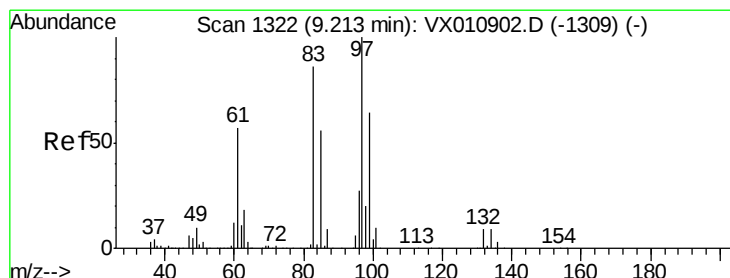
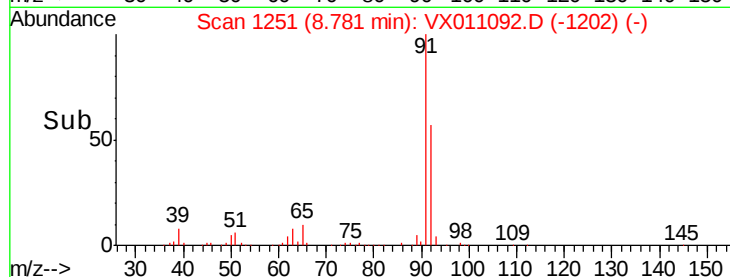
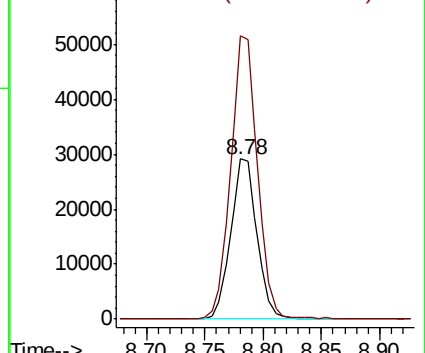
92 100

91 179.3 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 7.109 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Tgt Ion: 97 Resp: 16070

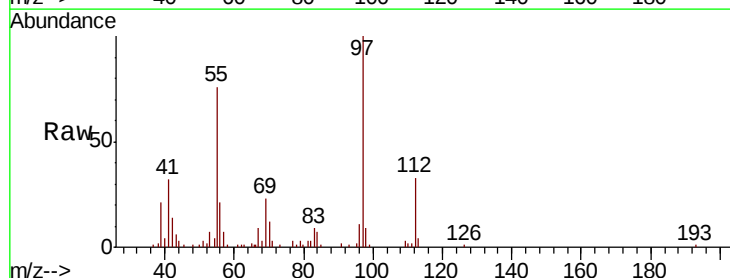
Ion Ratio Lower Upper

97 100

83 6.9 69.2 103.8#

85 0.9 44.6 66.8#

99 0.7 51.2 76.8#

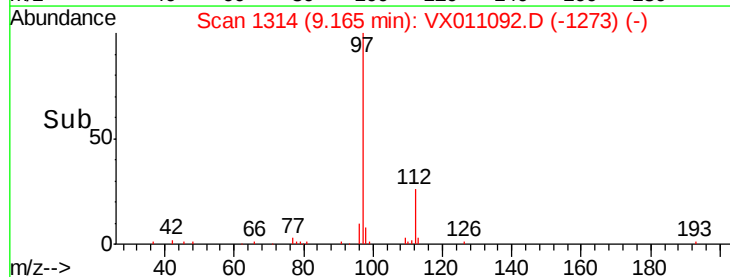
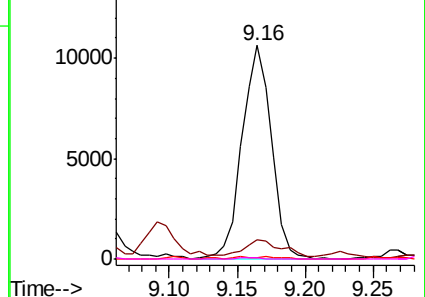


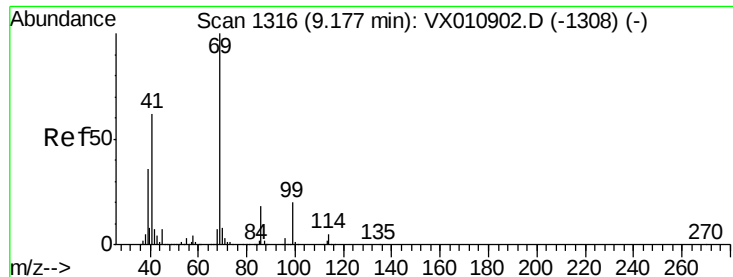
Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 1.239 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

MW-7

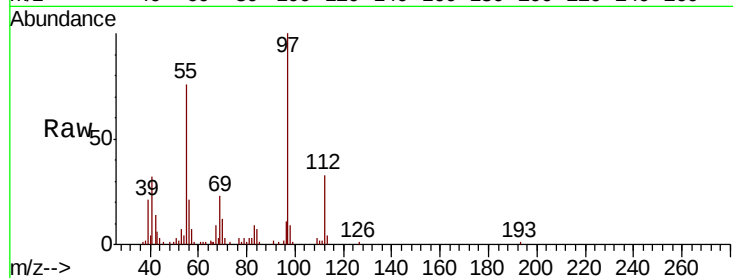
Tot Ion: 69.00 Resp: 4096

Ion Ratio Lower Upper

69 100

41 148.6 49.7 74.5#

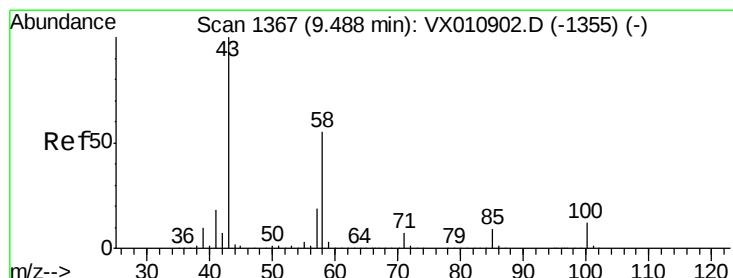
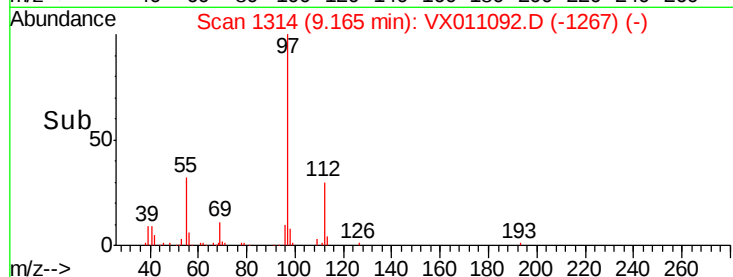
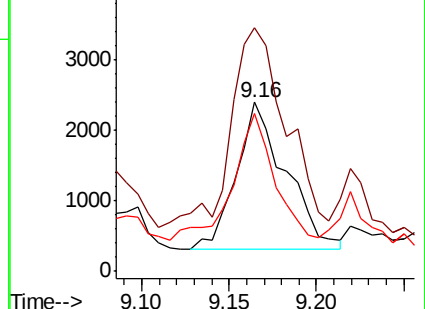
39 78.4 29.6 44.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.998 ug/l

RT: 9.62 min Scan# 1389

Delta R.T. 0.13 min

Lab File: VX011092.D

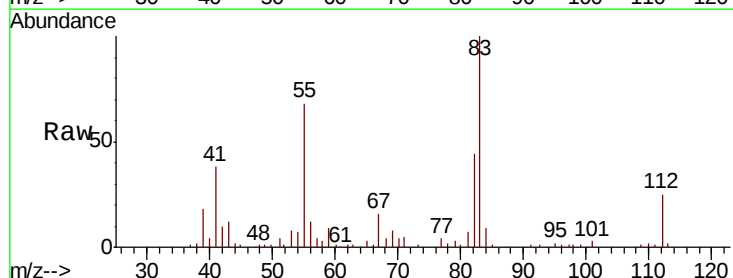
Acq: 26 Jul 2019 15:49

Tgt Ion: 43 Resp: 2304

Ion Ratio Lower Upper

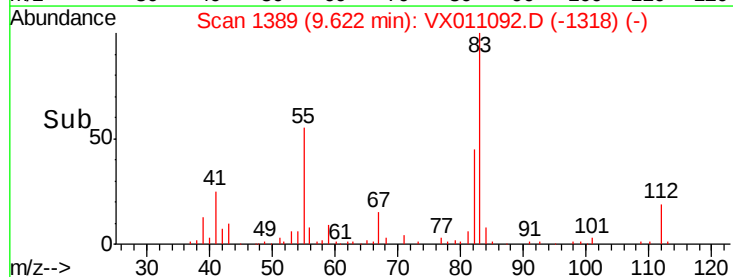
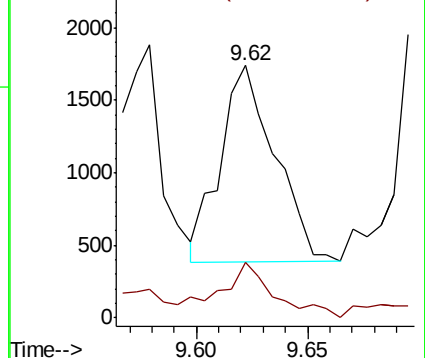
43 100

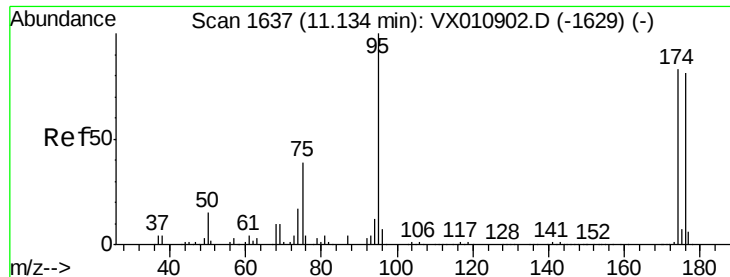
58 28.8 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

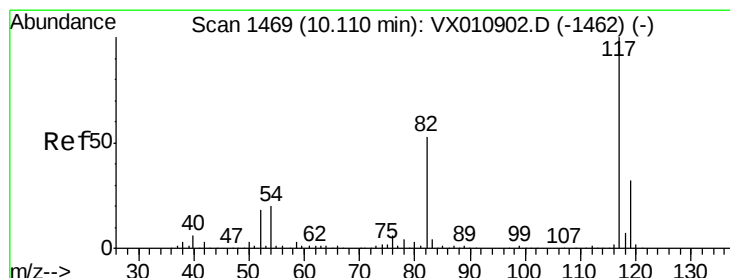
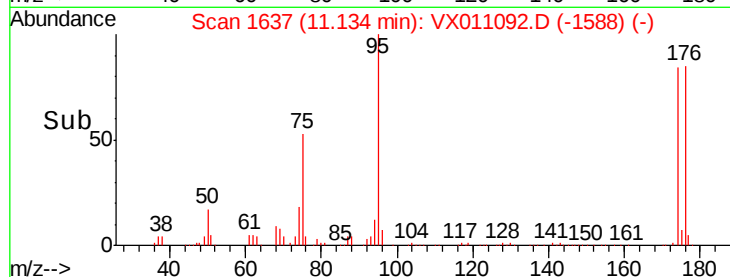
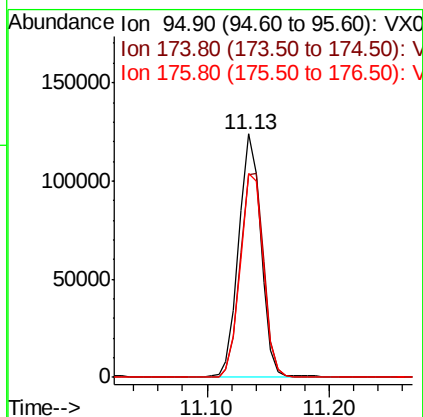
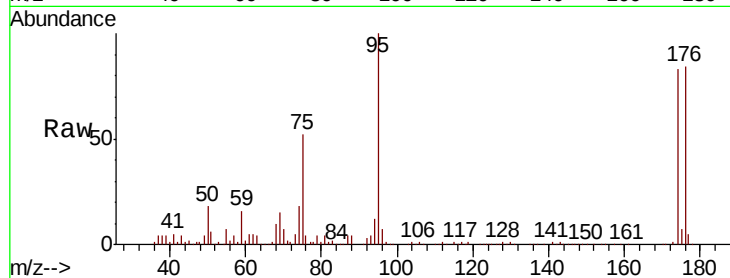




#62
4-Bromofluorobenzene
Concen: 53.596 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

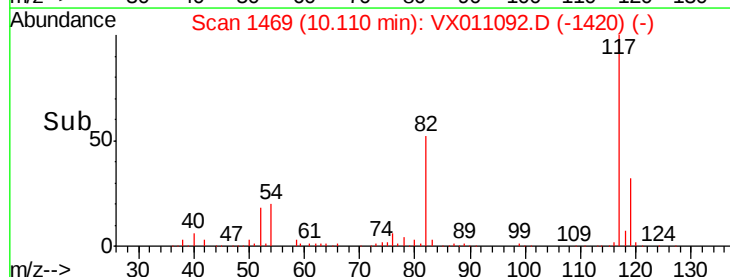
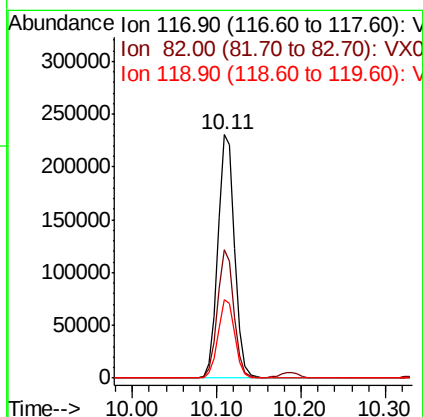
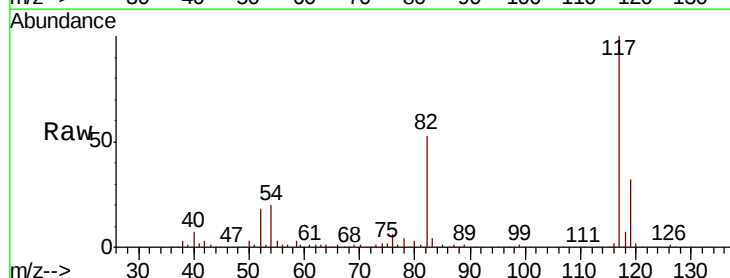
Instrument :
MSVOA_X
ClientSampleId :
MW-7

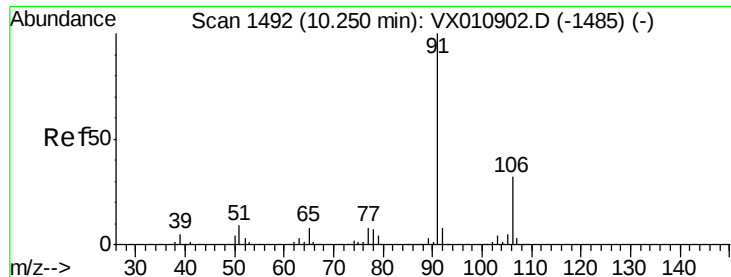
Tot Ion: 95 Resp: 155761
Ion Ratio Lower Upper
95 100
174 89.0 0.0 180.6
176 86.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

Tgt Ion: 117 Resp: 316767
Ion Ratio Lower Upper
117 100
82 52.5 42.6 63.8
119 32.0 25.9 38.9





#67

Ethyl Benzene

Concen: 273.386 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

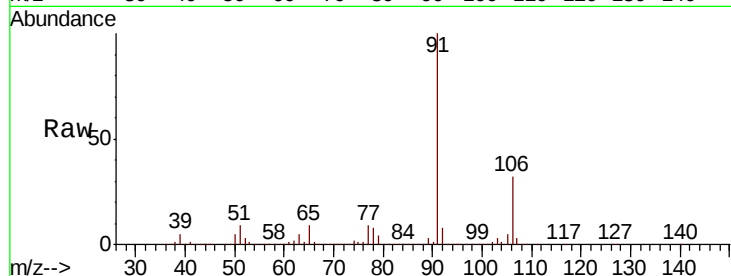
MW-7

Tot Ion: 91 Resp: 3027545

Ion Ratio Lower Upper

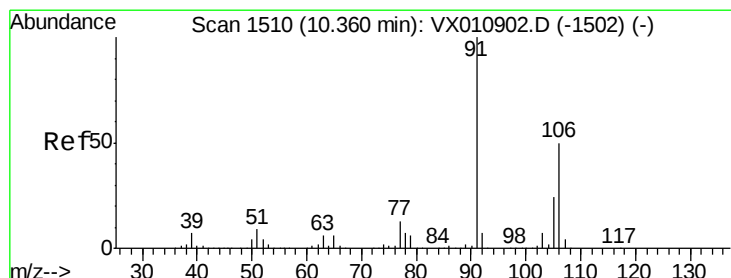
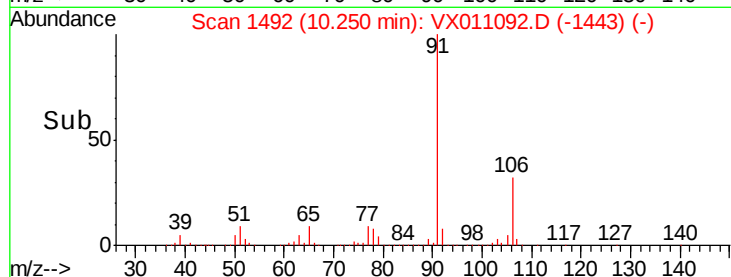
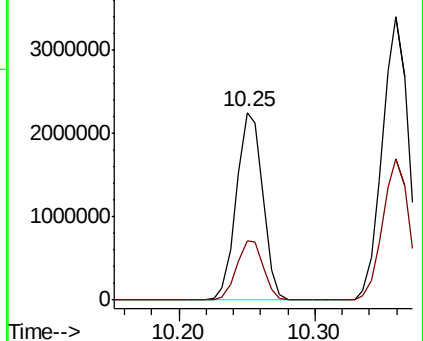
91 100

106 31.8 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX011092.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX011092.D (-1485) (-)



#68

m/p-Xylenes

Concen: 535.784 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX011092.D

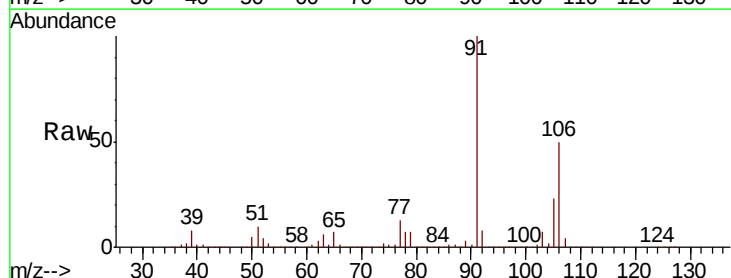
Acq: 26 Jul 2019 15:49

Tgt Ion: 106 Resp: 2275999

Ion Ratio Lower Upper

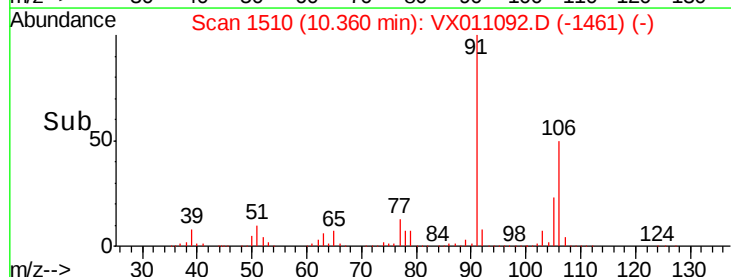
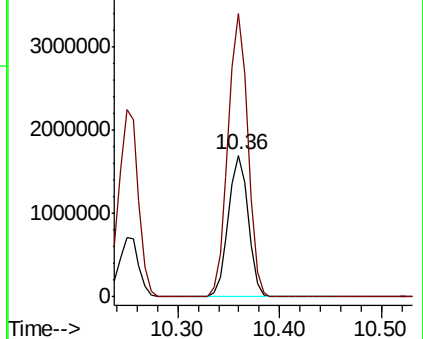
106 100

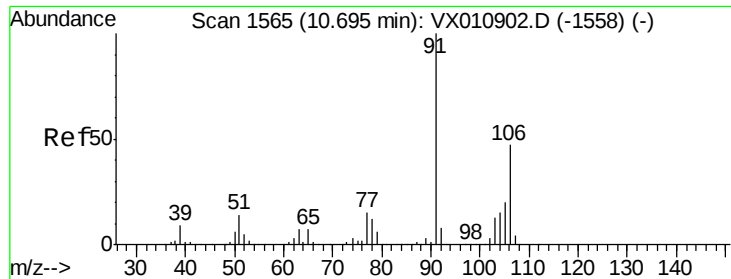
91 199.7 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VX011092.D (-1502) (-)

Ion 91.00 (90.70 to 91.70): VX011092.D (-1502) (-)

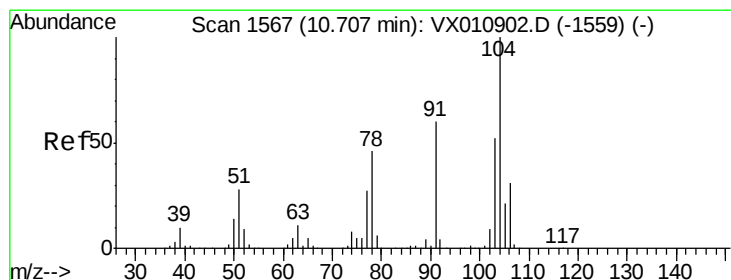
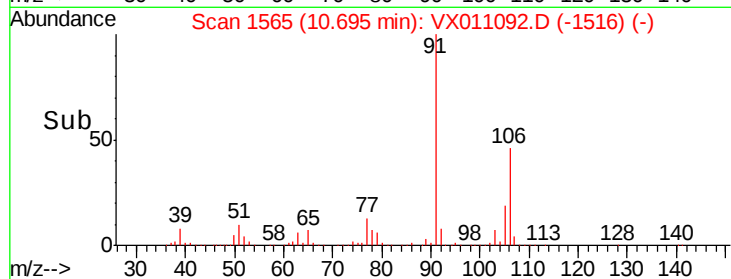
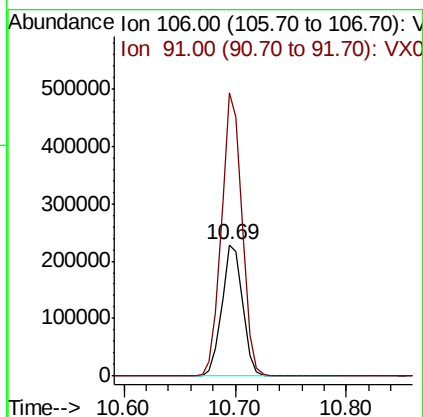
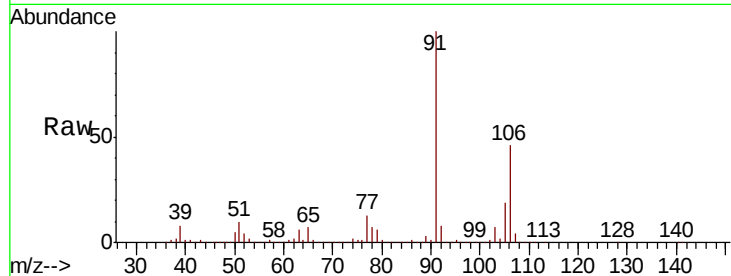




#69
o-Xylene
Concen: 70.820 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

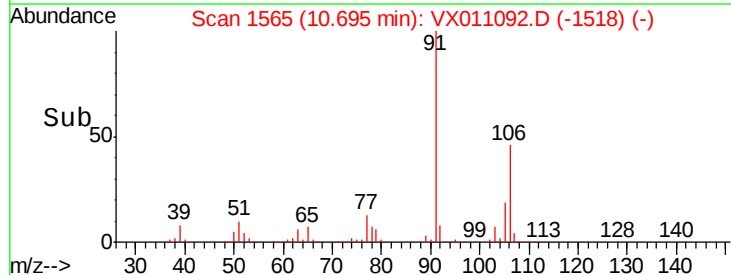
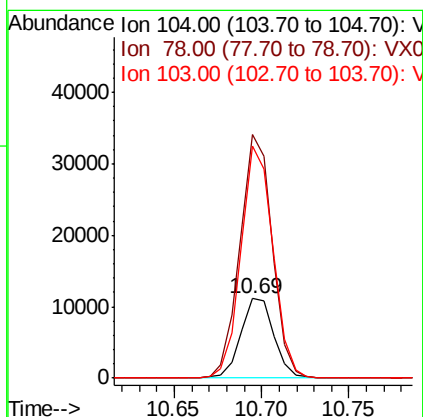
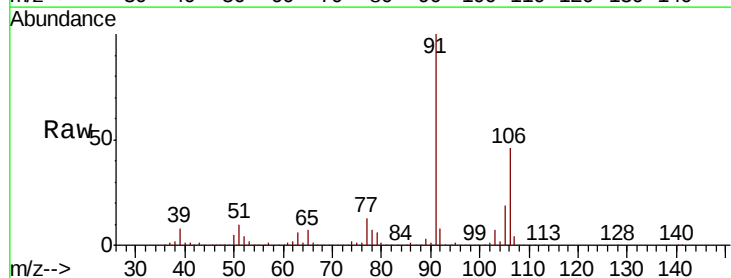
Instrument :
MSVOA_X
ClientSampled :
MW-7

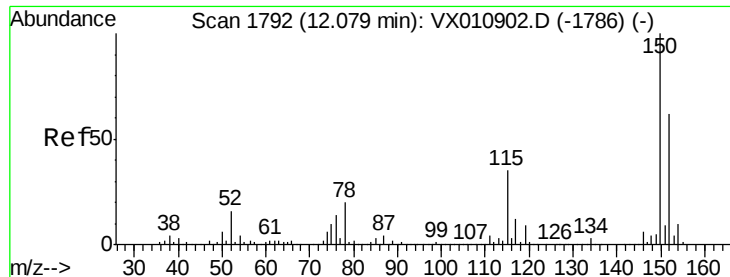
Tot Ion:106 Resp: 293605
Ion Ratio Lower Upper
106 100
91 212.8 105.1 315.3



#70
Styrene
Concen: 2.126 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX011092.D
Acq: 26 Jul 2019 15:49

Tgt Ion:104 Resp: 14690
Ion Ratio Lower Upper
104 100
78 300.0 38.8 58.2#
103 282.0 44.2 66.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

MW-7

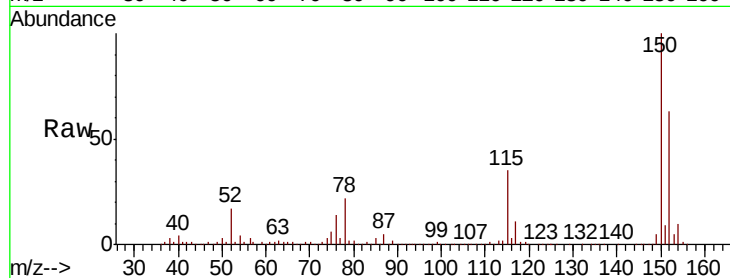
Tot Ion:152 Resp: 170528

Ion Ratio Lower Upper

152 100

115 56.4 39.7 119.1

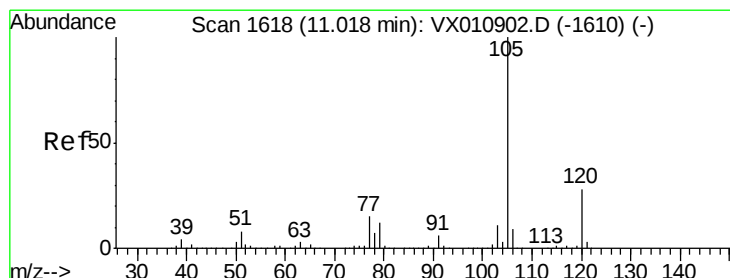
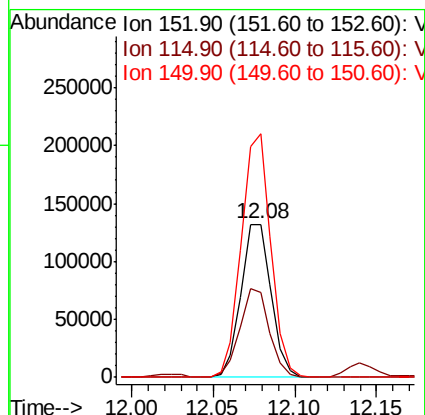
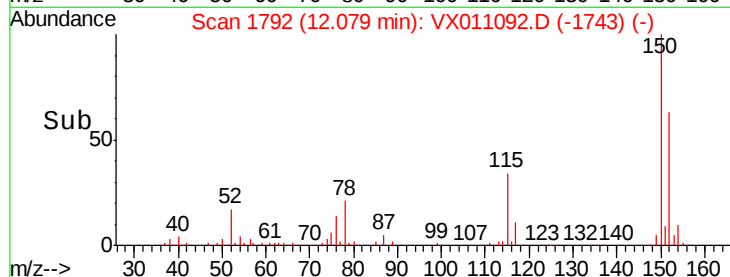
150 155.2 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 24.079 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011092.D

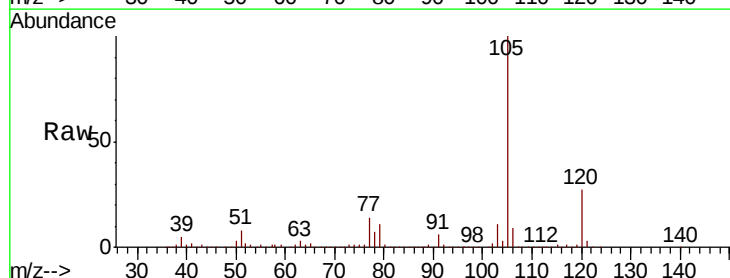
Acq: 26 Jul 2019 15:49

Tgt Ion:105 Resp: 277450

Ion Ratio Lower Upper

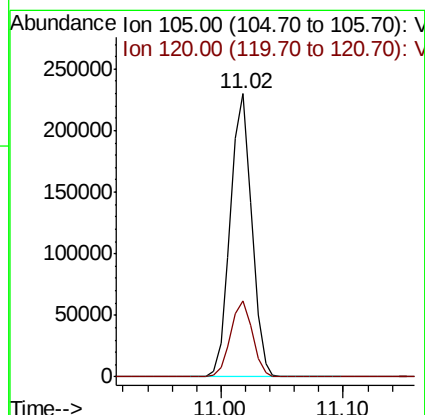
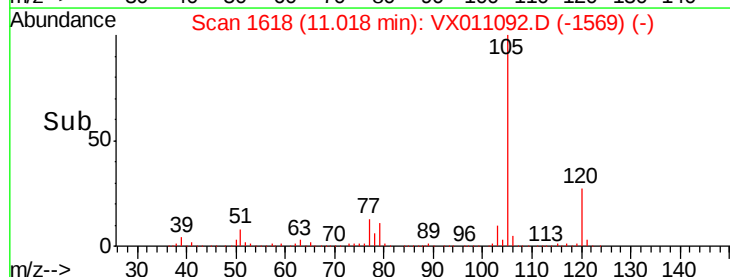
105 100

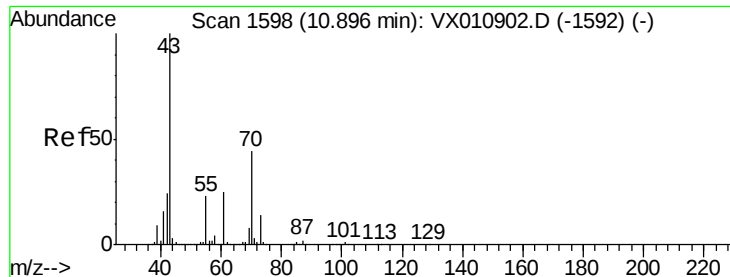
120 27.2 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.079 ug/l

RT: 10.94 min Scan# 1606

Delta R.T. 0.05 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

MW-7

Tot Ion: 43 Resp: 9155

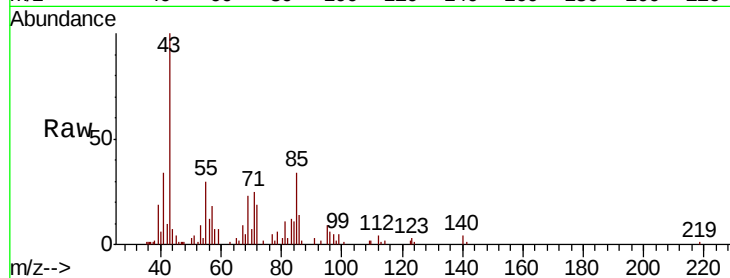
Ion Ratio Lower Upper

43 100

70 0.0 34.7 52.1#

55 0.0 19.1 28.7#

61 0.0 19.9 29.9#

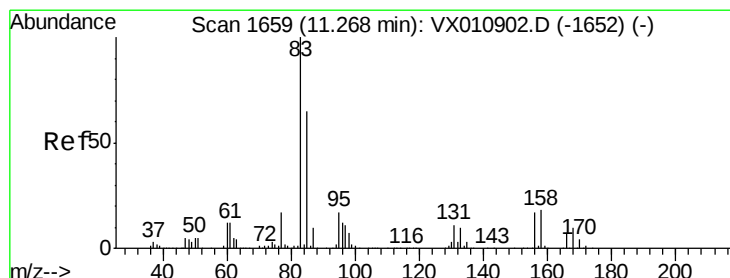
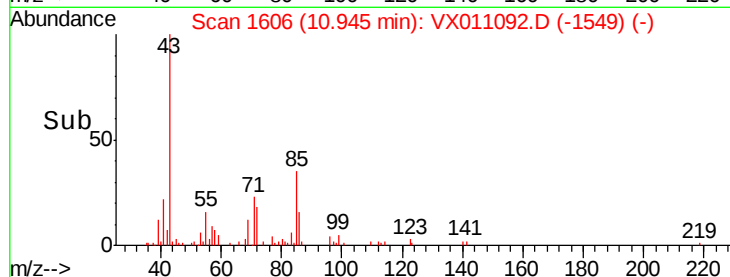
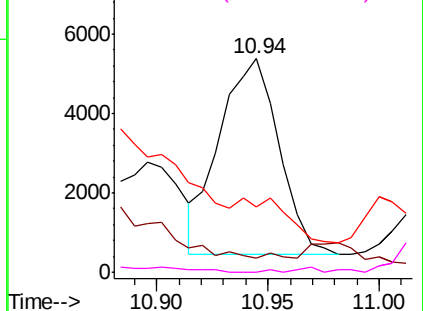


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.483 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

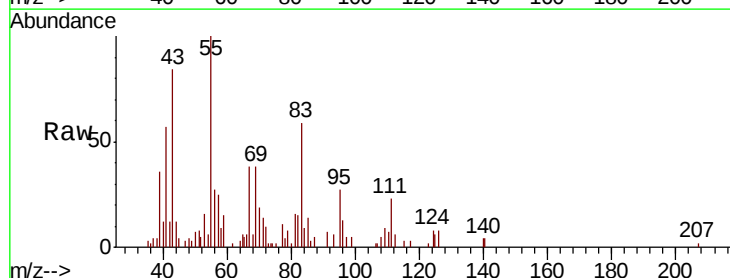
Tgt Ion: 83 Resp: 1823

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

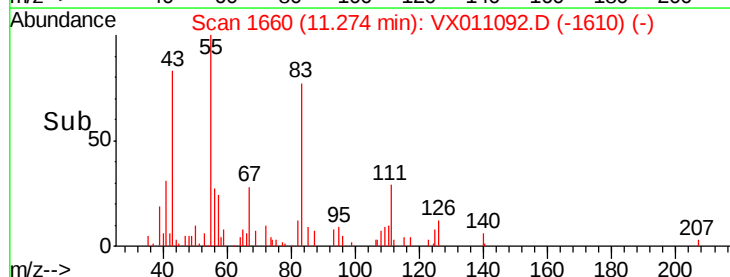
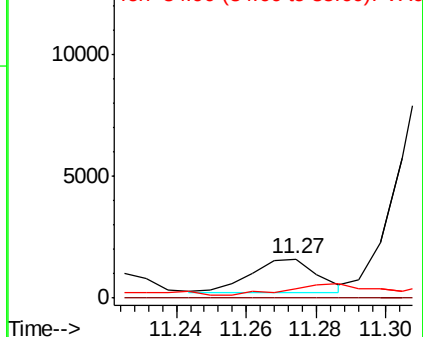
85 46.0 32.3 96.9

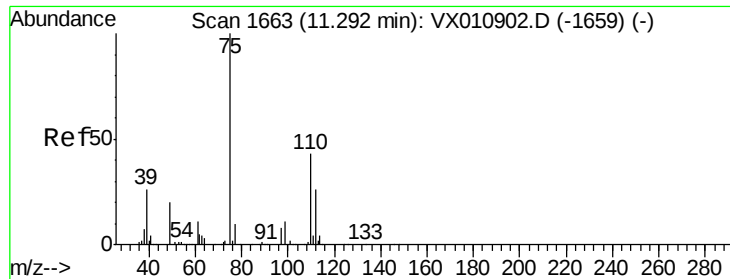


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 1.756 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

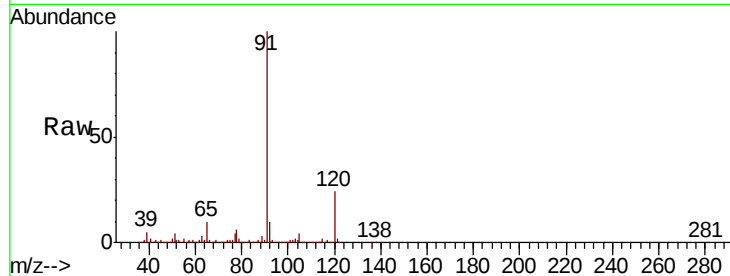
MW-7

Tot Ion: 75 Resp: 5403

Ion Ratio Lower Upper

75 100

77 605.4 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

150000

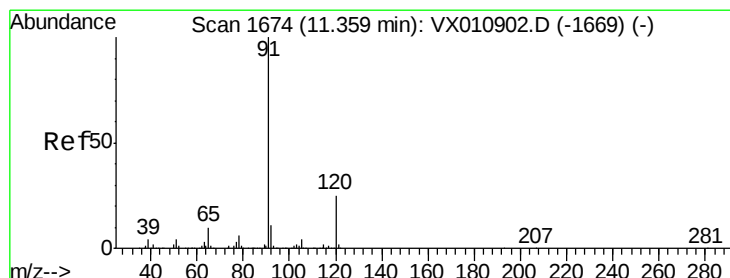
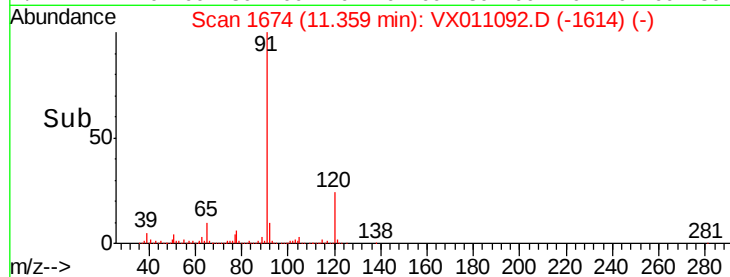
100000

50000

0

11.25 11.30 11.35 11.40

Time-->



#78

n-propylbenzene

Concen: 61.457 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011092.D

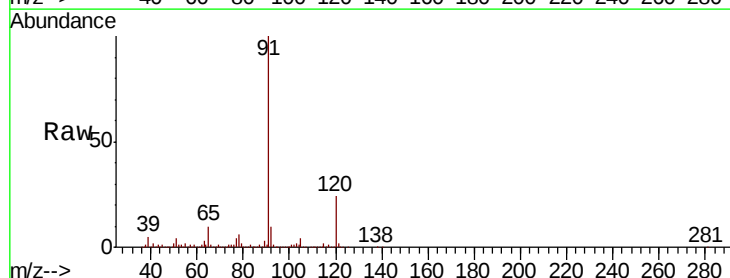
Acq: 26 Jul 2019 15:49

Tgt Ion: 91 Resp: 782440

Ion Ratio Lower Upper

91 100

120 24.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

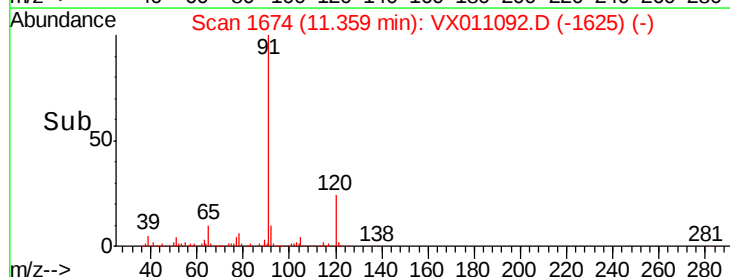
400000

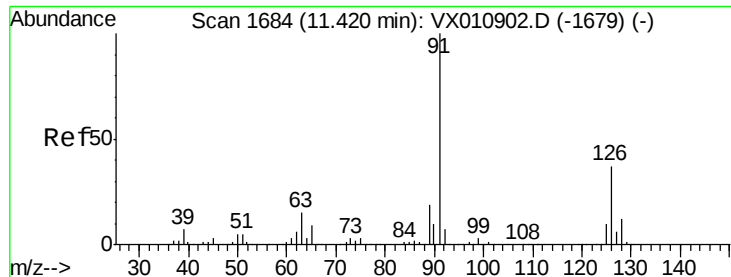
200000

0

11.30 11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 40.616 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

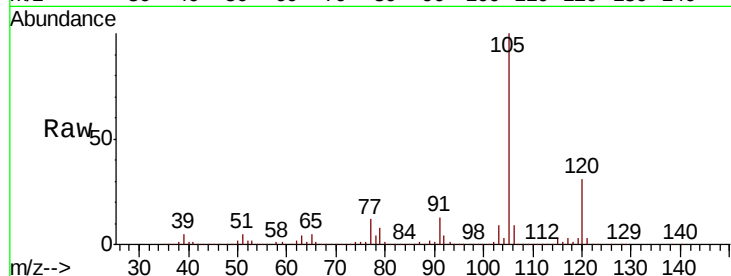
MW-7

Tot Ion: 91 Resp: 310637

Ion Ratio Lower Upper

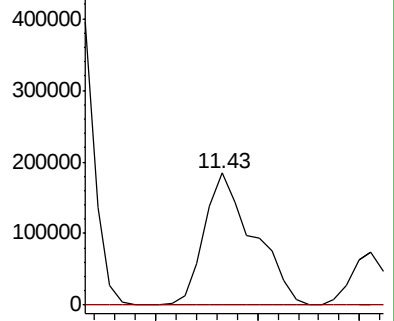
91 100

126 0.0 18.0 54.0#

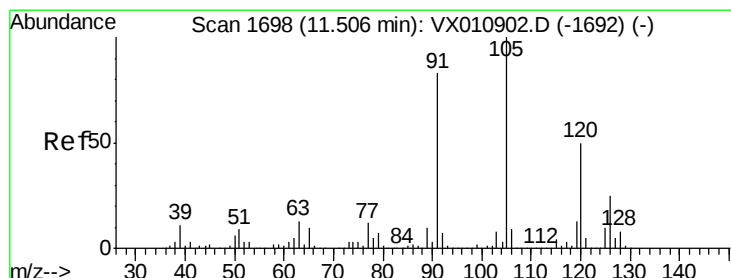
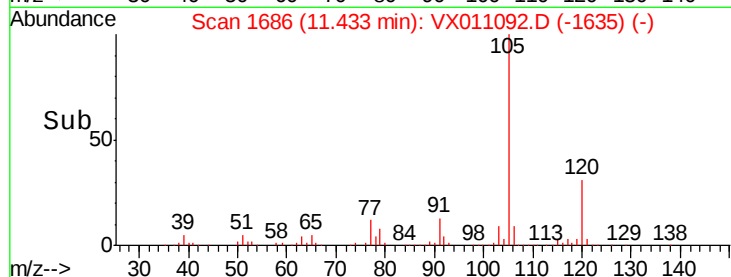


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 84.021 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011092.D

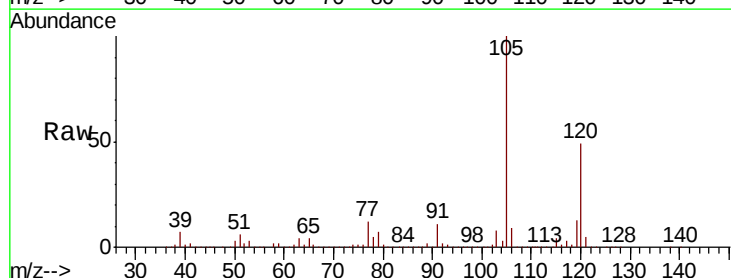
Acq: 26 Jul 2019 15:49

Tgt Ion:105 Resp: 808973

Ion Ratio Lower Upper

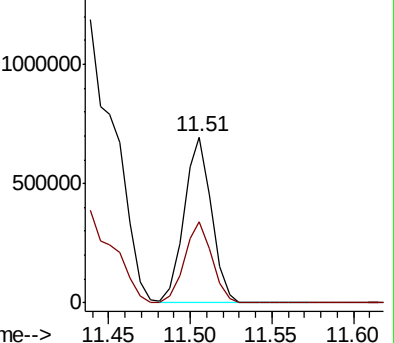
105 100

120 48.6 24.6 73.8

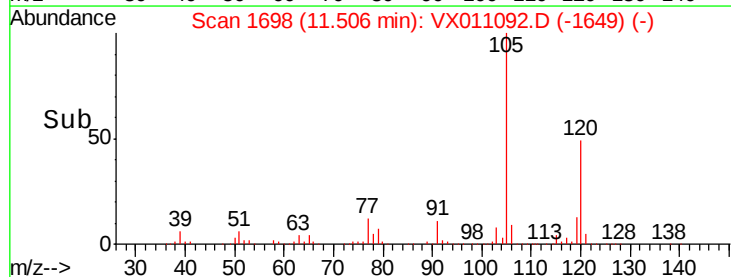


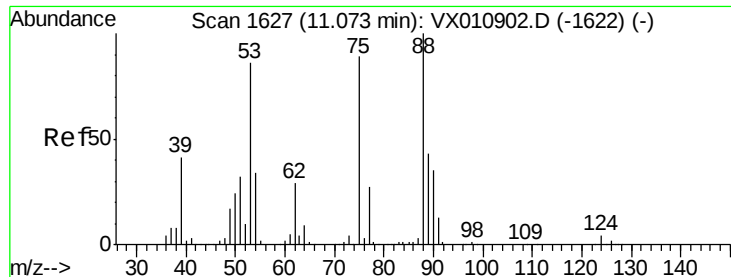
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 6.504 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.06 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

MW-7

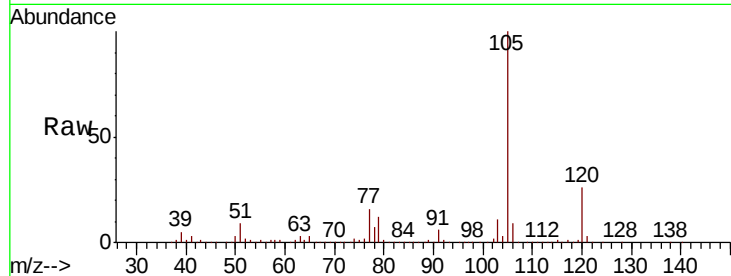
Tot Ion: 75 Resp: 3331

Ion Ratio Lower Upper

75 100

53 97.4 76.7 115.1

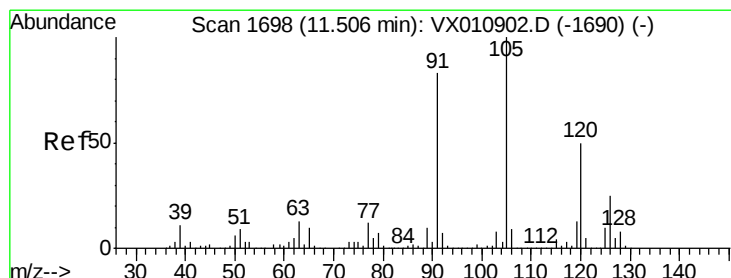
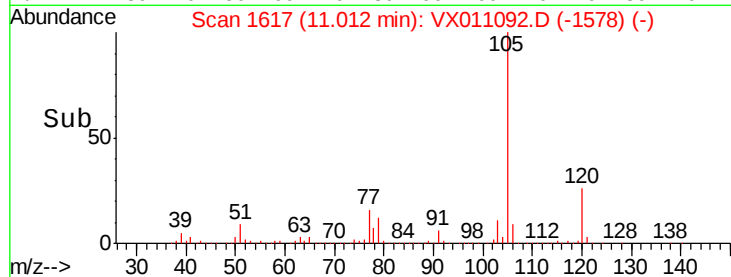
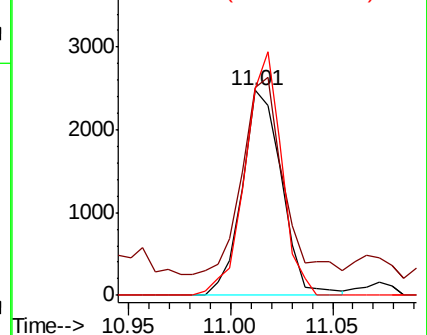
89 108.6 38.5 57.7#



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: 9.773 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011092.D

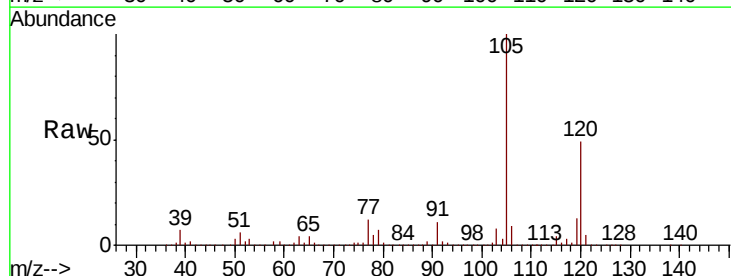
Acq: 26 Jul 2019 15:49

Tgt Ion: 91 Resp: 86997

Ion Ratio Lower Upper

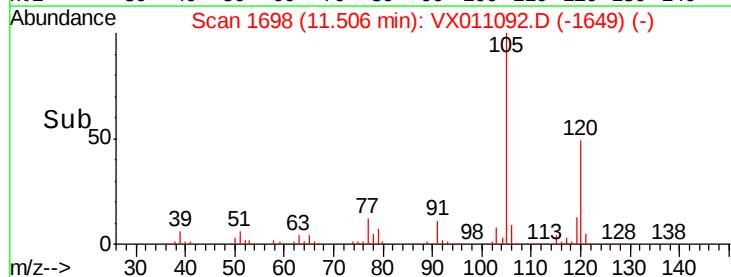
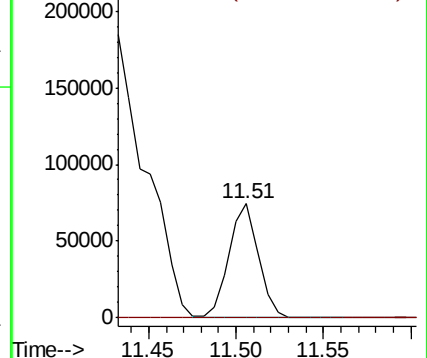
91 100

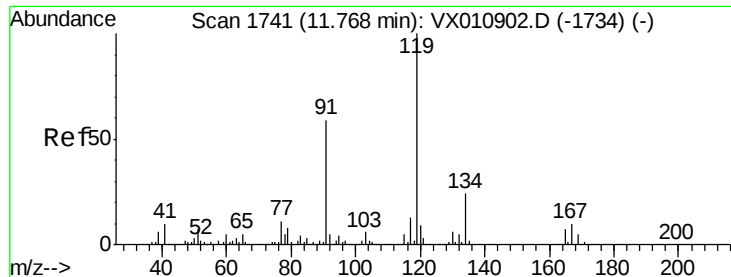
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 34.470 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.04 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

MW-7

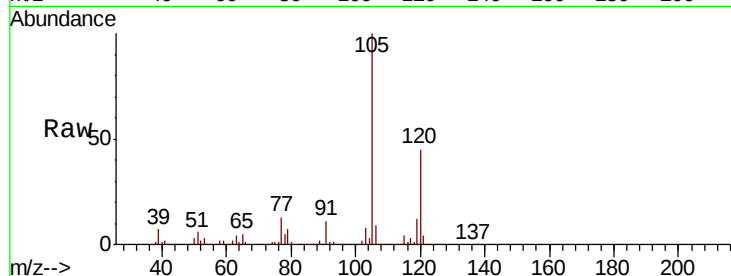
Tot Ion:119 Resp: 325992

Ion Ratio Lower Upper

119 100

91 87.6 28.6 85.8#

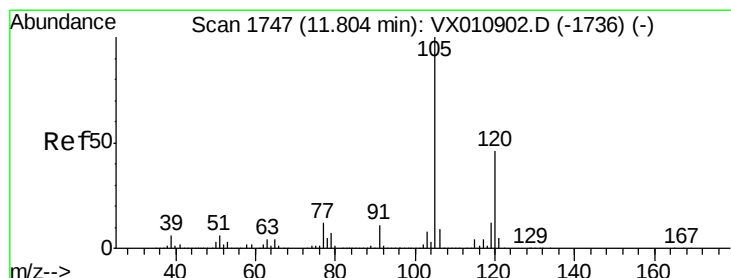
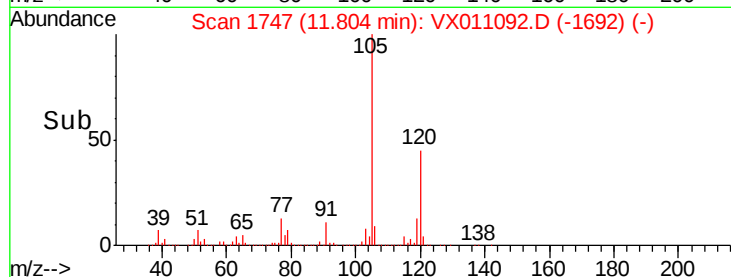
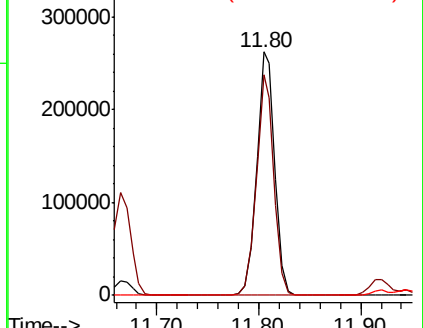
134 0.0 11.6 34.8#



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: 273.442 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011092.D

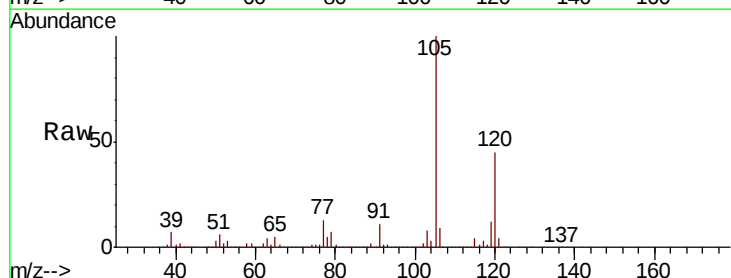
Acq: 26 Jul 2019 15:49

Tgt Ion:105 Resp: 2653572

Ion Ratio Lower Upper

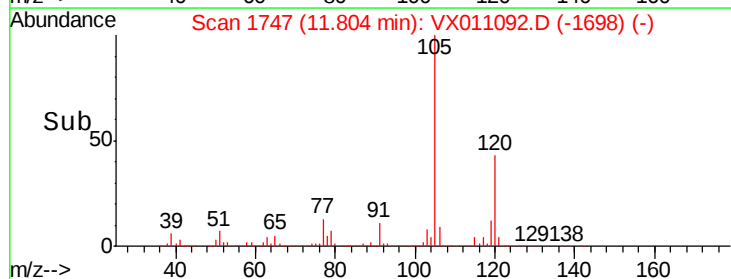
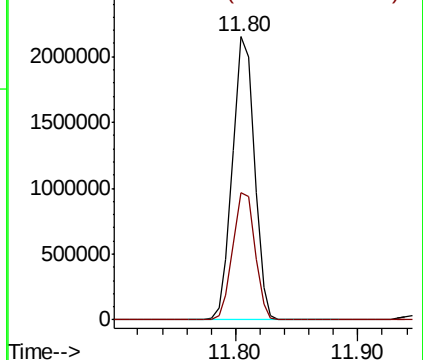
105 100

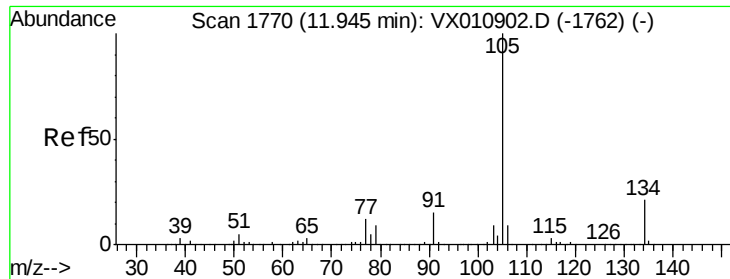
120 45.6 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 239.459 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

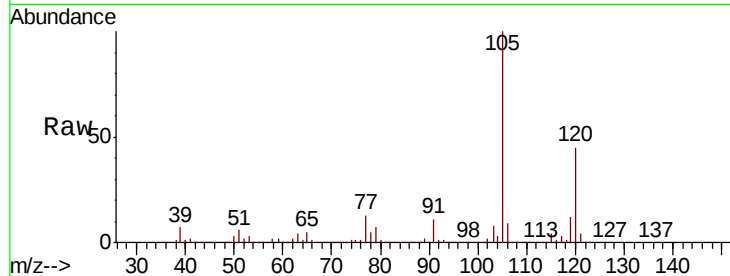
MW-7

Tot Ion:105 Resp: 2653572

Ion Ratio Lower Upper

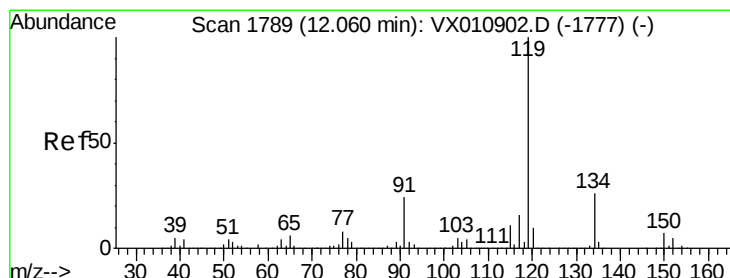
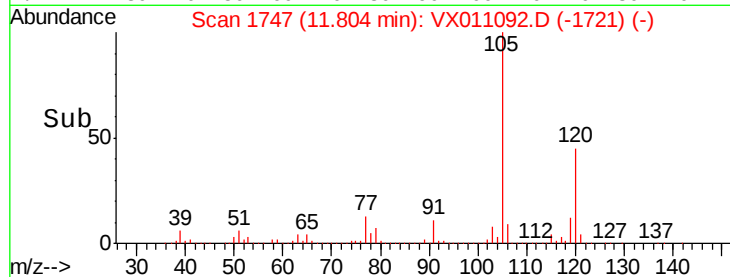
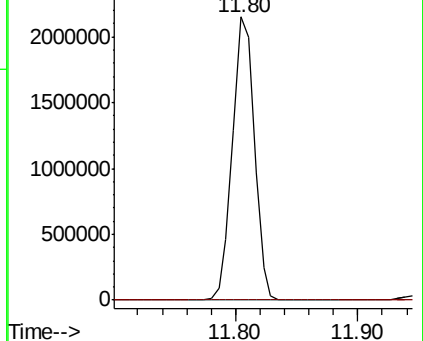
105 100

134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.537 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

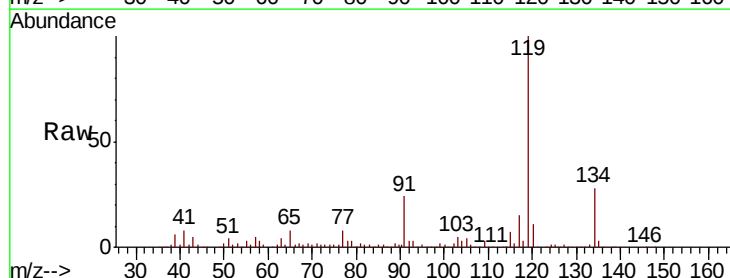
Tgt Ion:119 Resp: 46479

Ion Ratio Lower Upper

119 100

134 28.9 13.4 40.1

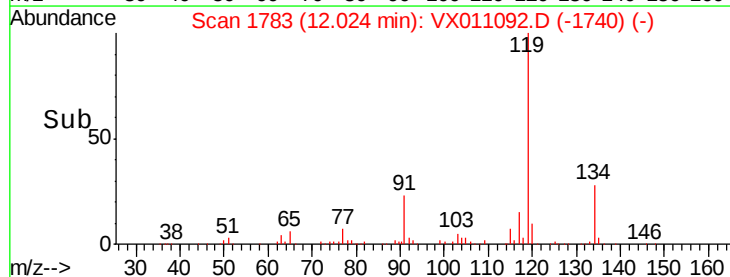
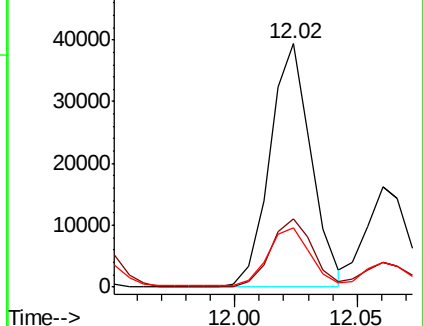
91 23.9 11.8 35.4

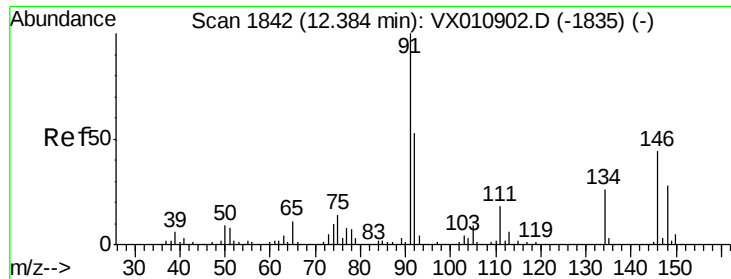


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 11.080 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampled :

MW-7

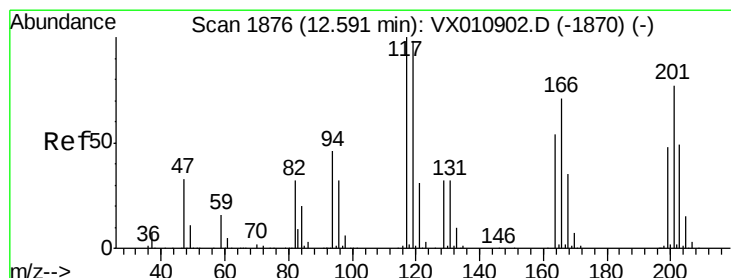
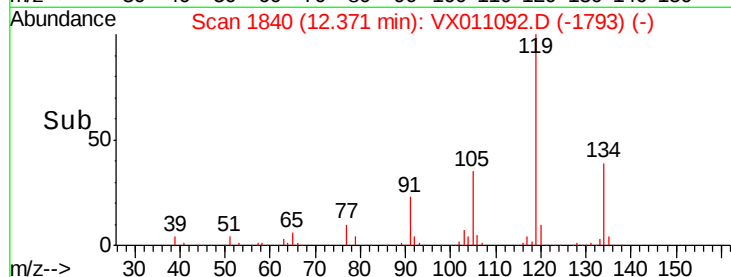
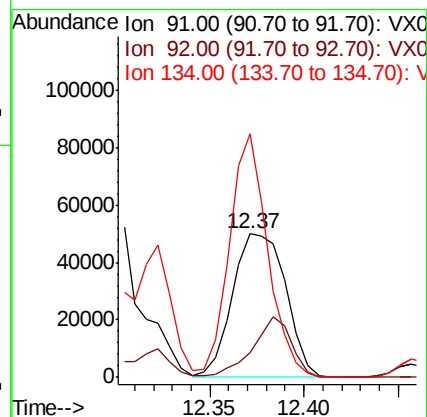
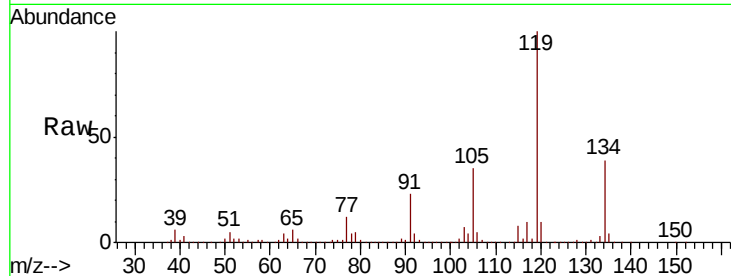
Tot Ion: 91 Resp: 97111

Ion Ratio Lower Upper

91 100

92 31.2 26.2 78.5

134 122.6 13.8 41.3#



#90

Hexachloroethane

Concen: 9.269 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX011092.D

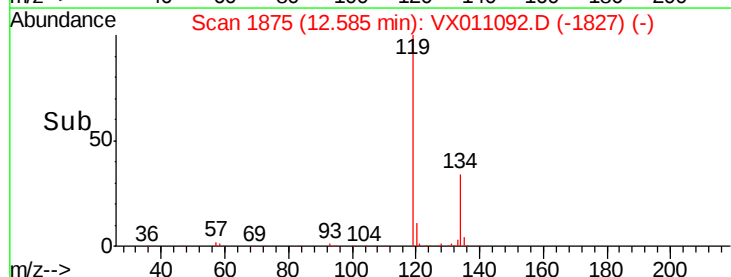
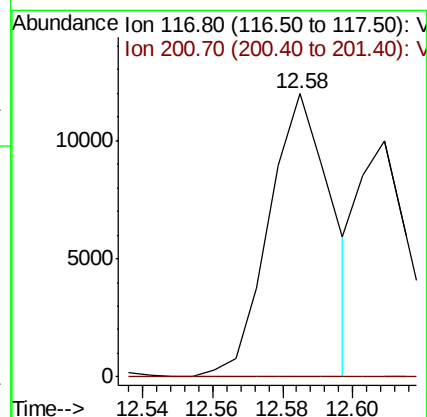
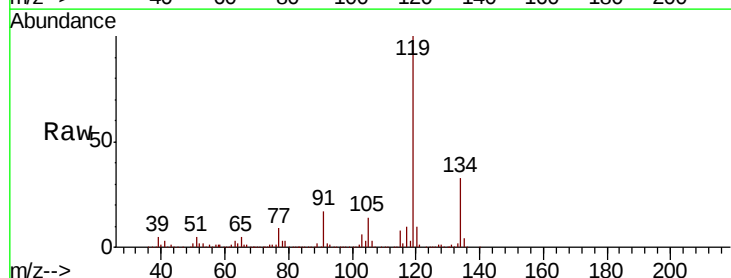
Acq: 26 Jul 2019 15:49

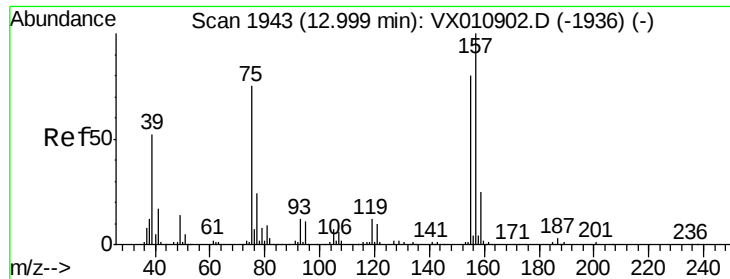
Tgt Ion: 117 Resp: 14977

Ion Ratio Lower Upper

117 100

201 0.0 43.3 129.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.888 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

MW-7

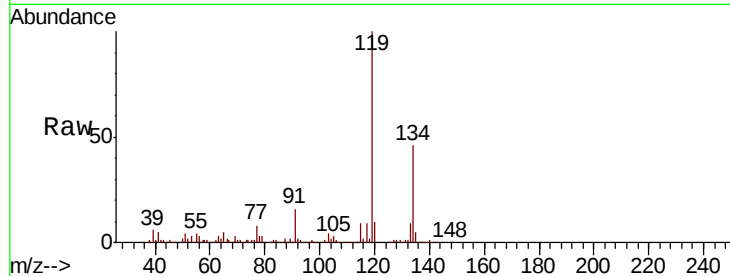
Tot Ion: 75 Resp: 1488

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

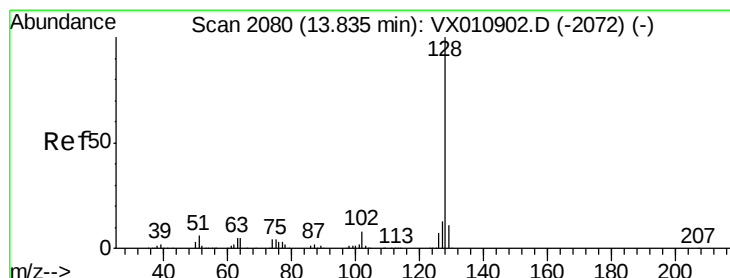
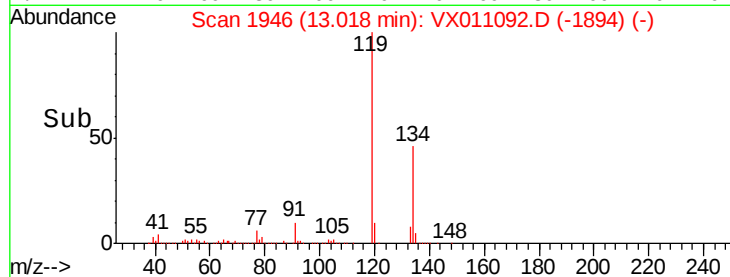
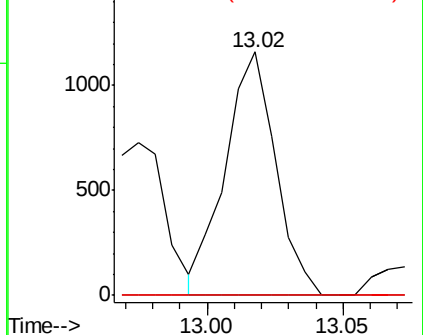
157 0.0 62.5 187.6#



Abundance Ion 74.90 (74.60 to 75.60): VX011092.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX011092.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX011092.D (-1894) (-)



#95

Naphthalene

Concen: 65.687 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011092.D

Acq: 26 Jul 2019 15:49

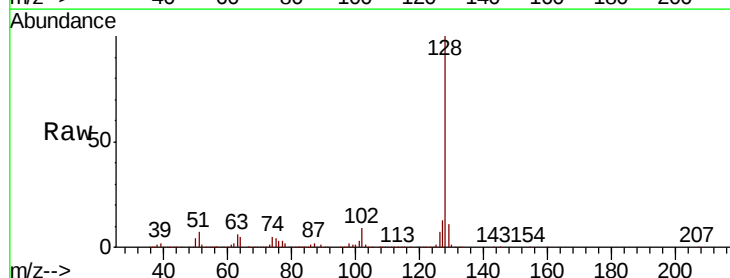
Tgt Ion:128 Resp: 718601

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX011092.D (-2031) (-)

Ion 127.00 (126.70 to 127.70): VX011092.D (-2031) (-)

Ion 129.00 (128.70 to 129.70): VX011092.D (-2031) (-)

