

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010819.D
 Acq On : 11 Jul 2019 19:53
 Operator : JC/SP
 Sample : K3749-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Jul 12 06:58:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359422	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169246	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	115686	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
35) Dibromofluoromethane	5.50	113	108955	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.71	98	440315	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.13	95	166056	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	800	0.433	ug/l #	42
5) Bromomethane	1.65	94	442	0.448	ug/l #	45
6) Chloroethane	1.95	64	617	0.516	ug/l #	41
11) Tert butyl alcohol	3.03	59	5779	10.314	ug/l #	74
13) Acrolein	2.26	56	27344	73.568	ug/l #	1
14) Allyl chloride	2.85	41	90965	32.368	ug/l #	75
15) Acrylonitrile	3.17	53	16082	14.497	ug/l #	39
16) Acetone	2.44	43	24468	22.801	ug/l	91
17) Carbon Disulfide	2.57	76	3070	0.578	ug/l #	93
18) Methyl Acetate	2.85	43	152103	71.117	ug/l #	48
19) Methyl tert-butyl Ether	3.20	73	4054	0.651	ug/l #	1
20) Methylene Chloride	2.79	84	4068	1.842	ug/l #	18
23) Vinyl Acetate	3.82	43	7824	1.541	ug/l #	74
25) 2-Butanone	4.68	43	13769	8.747	ug/l	99
29) Tetrahydrofuran	5.06	42	707	0.725	ug/l #	28
30) Chloroform	5.28	83	36930	10.106	ug/l #	24
31) Cyclohexane	5.58	56	113813	36.798	ug/l #	92
36) 1,1-Dichloropropene	5.66	75	15116	5.292	ug/l #	47
37) Ethyl Acetate	4.90	43	1123	0.382	ug/l #	1
38) Carbon Tetrachloride	5.66	117	21277	6.879	ug/l #	15
39) Methylcyclohexane	7.46	83	105298	28.047	ug/l	91
40) Benzene	6.15	78	1565987	175.987	ug/l	99
41) Methacrylonitrile	5.08	41	4450	2.760	ug/l #	46
42) 1,2-Dichloroethane	6.15	62	14090	5.202	ug/l #	71
43) Isopropyl Acetate	6.46	43	9304	1.914	ug/l #	60
45) 1,2-Dichloropropane	7.46	63	1868	0.831	ug/l #	1
47) Bromodichloromethane	7.84	83	3880	1.313	ug/l #	92
48) Methyl methacrylate	7.73	41	13282	5.878	ug/l #	39
49) 1,4-Dioxane	7.62	88	34	0.522	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	1586	0.510	ug/l	98
52) Toluene	8.78	92	208660	35.608	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	29696	12.288	ug/l #	19
56) Ethyl methacrylate	9.16	69	8104	2.214	ug/l #	40
58) 2-Chloroethyl Vinyl ether	8.26	63	1495	0.860	ug/l #	44

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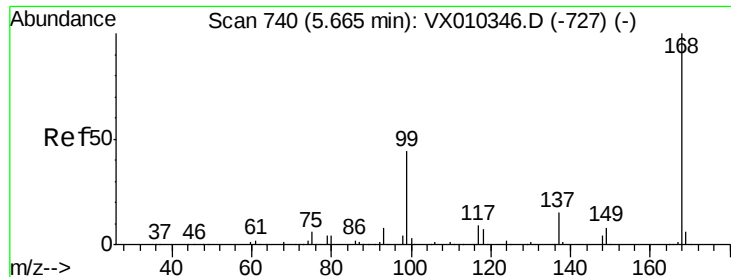
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Jul 12 06:58:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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 Response via : Initial Calibration

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

59) 2-Hexanone	9.50	43	1688	0.690	uq/l	97
67) Ethyl Benzene	10.25	91	667607	58.249	uq/l	99
68) m/p-Xylenes	10.36	106	401098	90.317	uq/l	98
69) o-Xylene	10.70	106	38251	8.758	uq/l	99
70) Styrene	10.69	104	2057	0.281	uq/l #	1
73) Isopropylbenzene	11.02	105	985739	85.920	uq/l	98
76) 1,2,3-Trichloropropane	11.36	75	5371	1.742	uq/l #	1
78) n-propylbenzene	11.36	91	845401	67.047	uq/l	98
79) 2-Chlorotoluene	11.36	91	845401	112.594	uq/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	201179	21.271	uq/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	11195	8.468	uq/l #	53
82) 4-Chlorotoluene	11.66	91	45453	5.320	uq/l #	42
83) tert-Butylbenzene	11.77	119	20291	2.138	uq/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	60556	6.373	uq/l	99
85) sec-Butylbenzene	11.94	105	60987	5.472	uq/l	97
86) p-Isopropyltoluene	12.06	119	13989	1.357	uq/l #	78
89) n-Butylbenzene	12.38	91	78818	8.997	uq/l #	52
90) Hexachloroethane	12.66	117	71890	40.327	uq/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.01	75	312	0.381	uq/l #	1
95) Naphthalene	13.83	128	291038	24.572	uq/l	98

(#) = 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. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

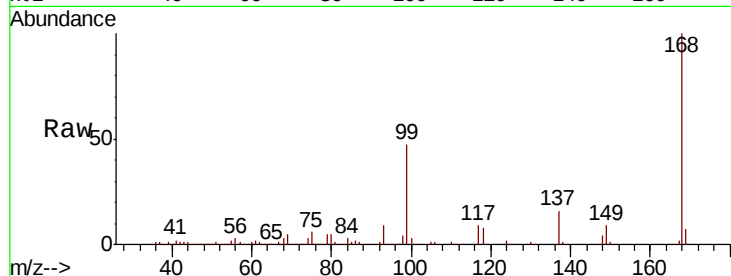
MW-3

Tot Ion:168 Resp: 228373

Ion Ratio Lower Upper

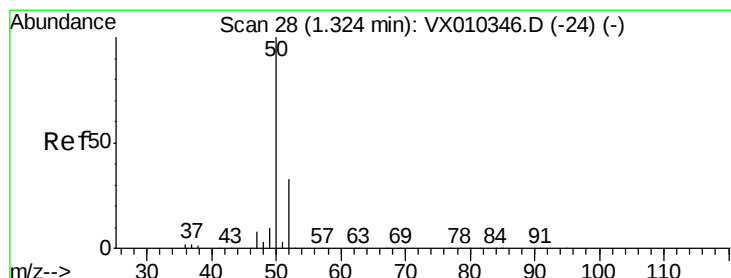
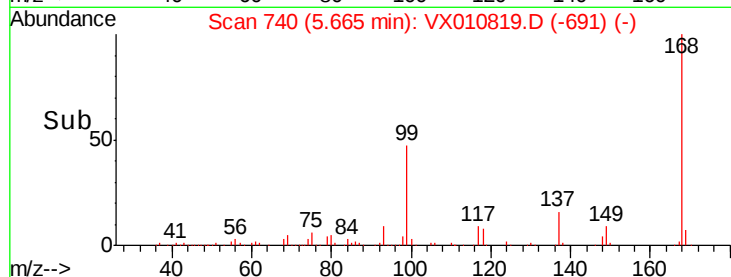
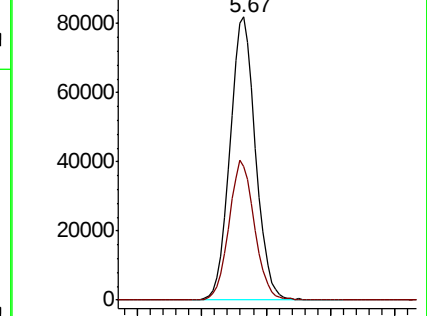
168 100

99 47.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.433 ug/l

RT: 1.31 min Scan# 25

Delta R.T. -0.02 min

Lab File: VX010819.D

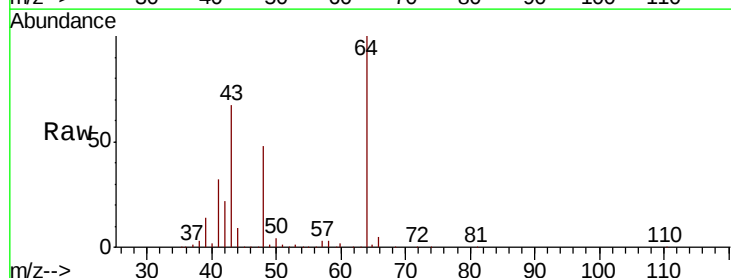
Acq: 11 Jul 2019 19:53

Tgt Ion: 50 Resp: 800

Ion Ratio Lower Upper

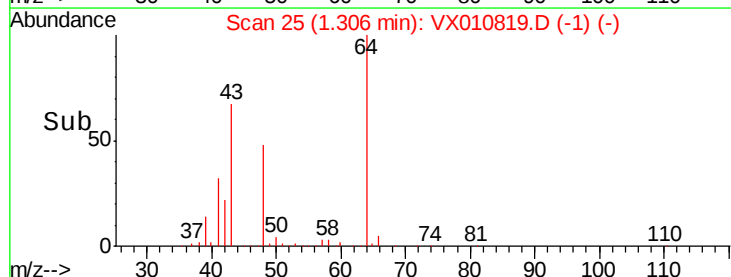
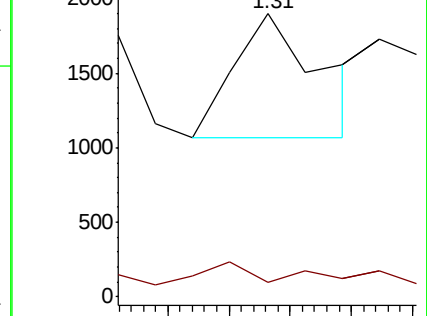
50 100

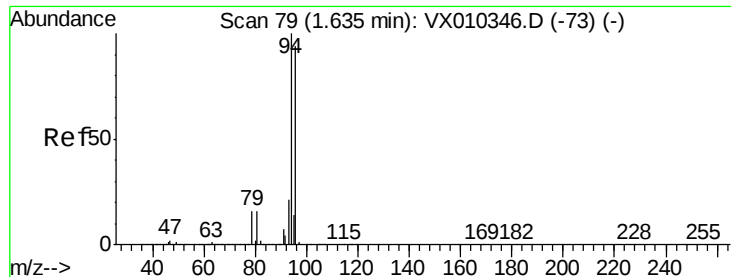
52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.448 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

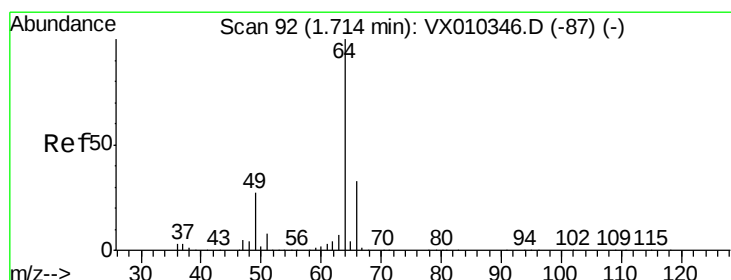
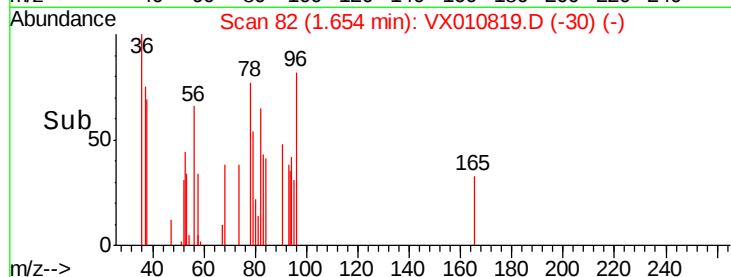
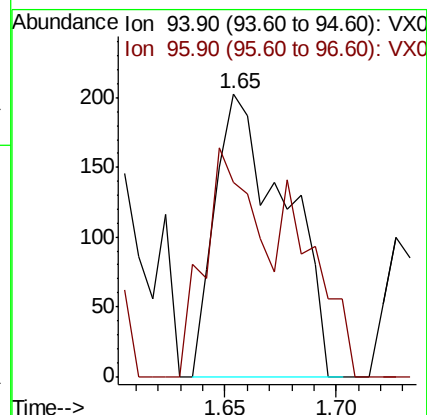
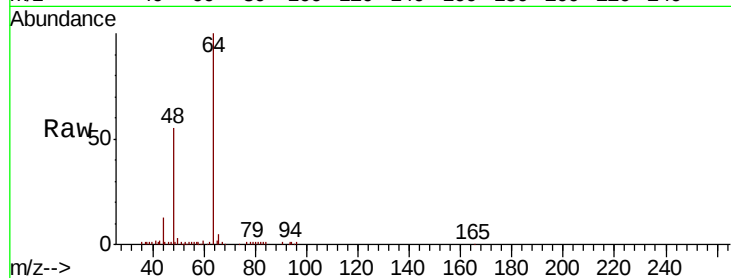
MW-3

Tot Ion: 94 Resp: 442

Ion Ratio Lower Upper

94 100

96 40.9 75.5 113.3#



#6

Chloroethane

Concen: 0.516 ug/l

RT: 1.95 min Scan# 131

Delta R.T. 0.24 min

Lab File: VX010819.D

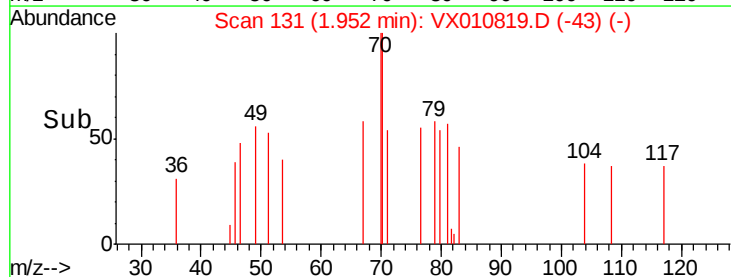
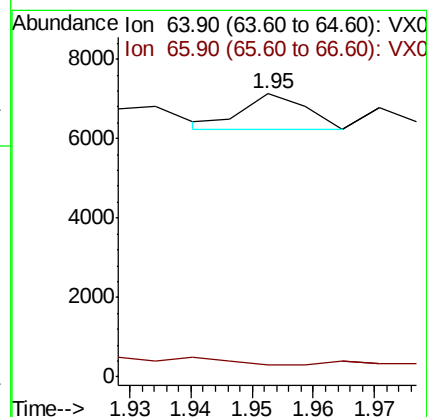
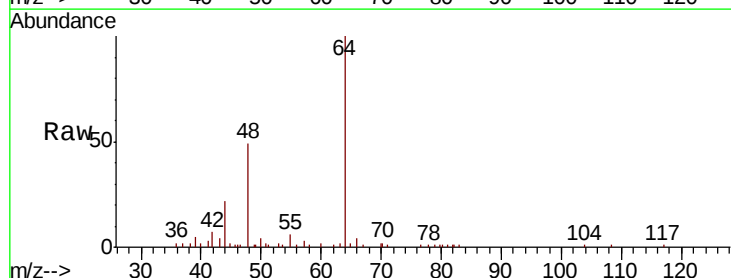
Acq: 11 Jul 2019 19:53

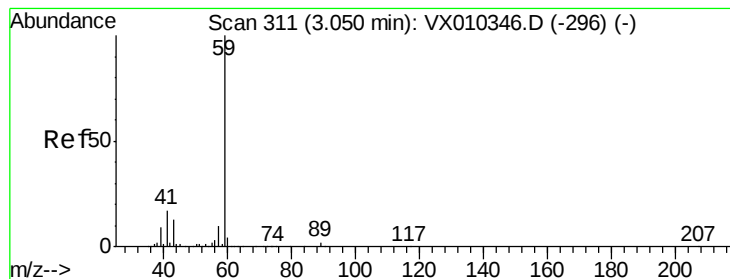
Tgt Ion: 64 Resp: 617

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#





#11

Tert butyl alcohol

Concen: 10.314 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

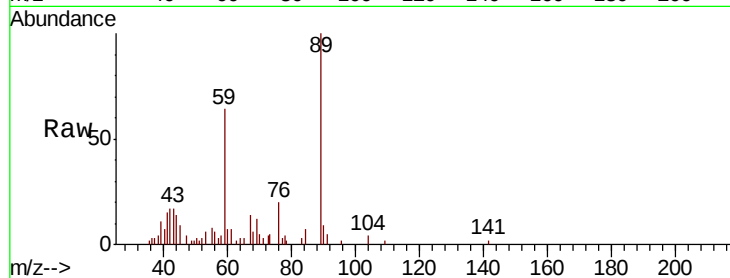
MW-3

Tot Ion: 59 Resp: 5779

Ion Ratio Lower Upper

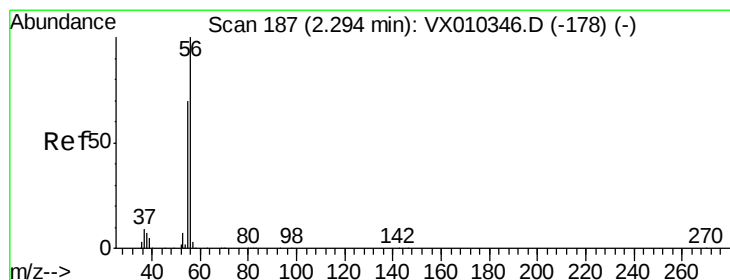
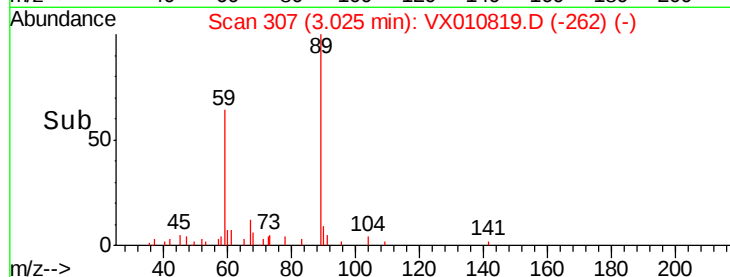
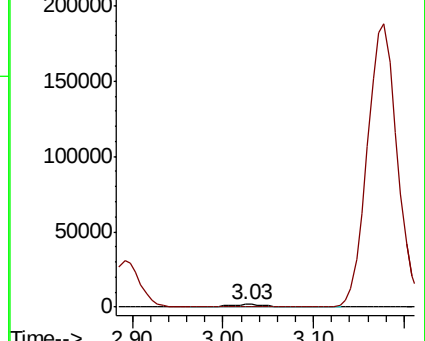
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 73.568 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX010819.D

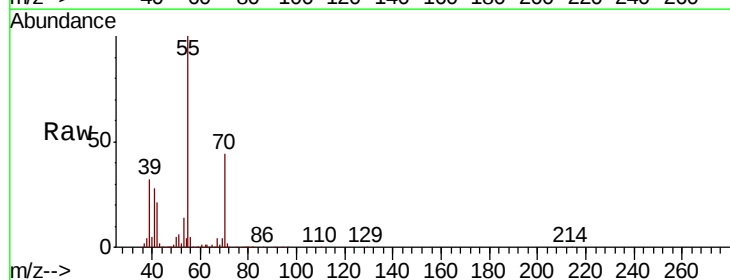
Acq: 11 Jul 2019 19:53

Tgt Ion: 56 Resp: 27344

Ion Ratio Lower Upper

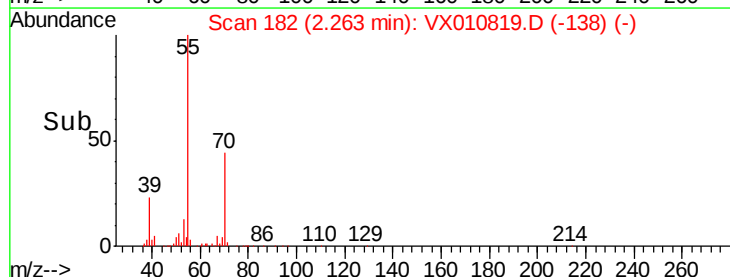
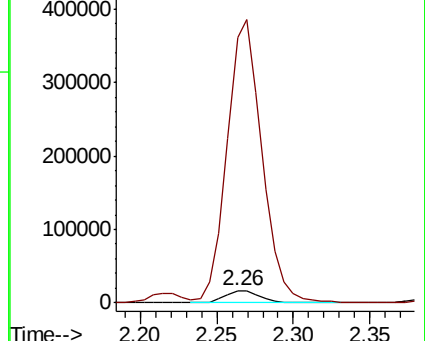
56 100

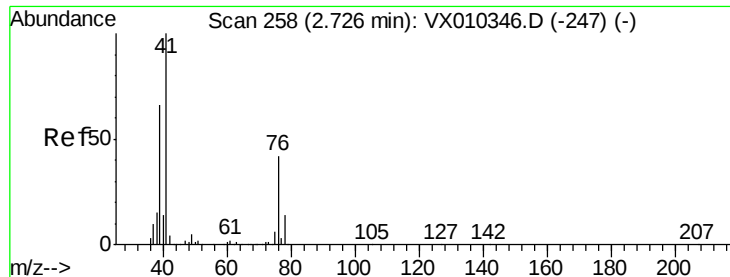
55 2216.1 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

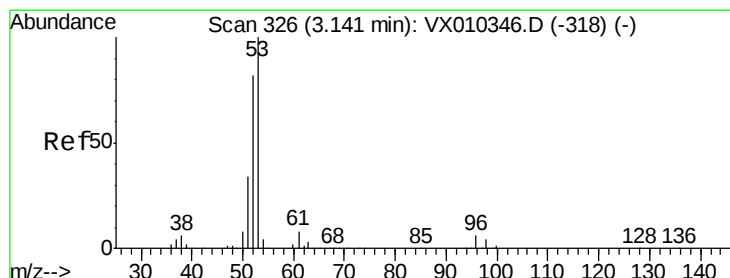
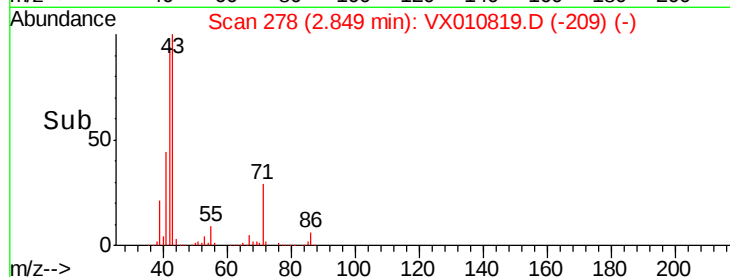
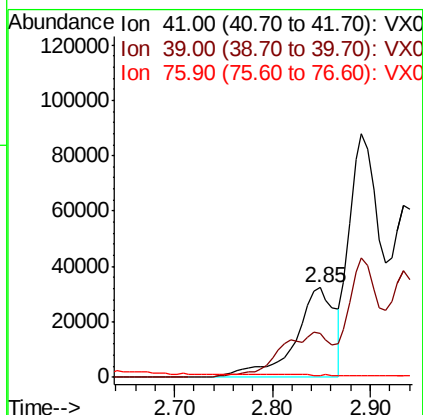
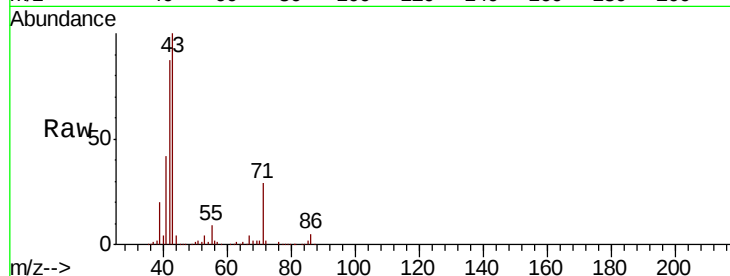




#14
Allvl chloride
Concen: 32.368 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.12 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

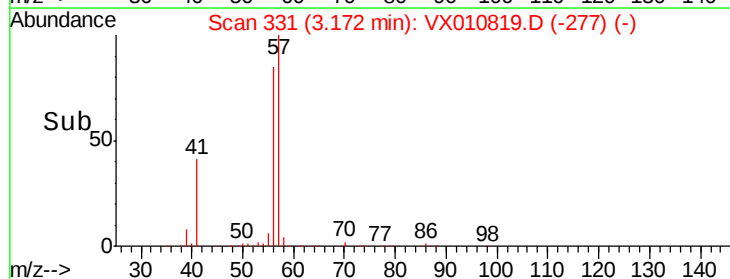
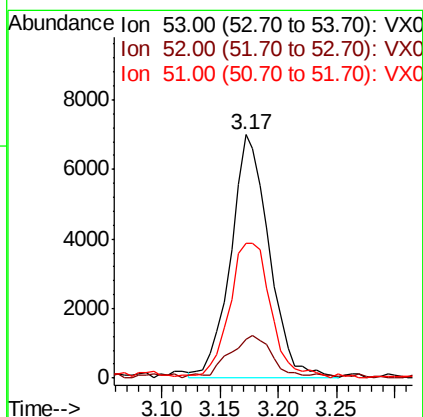
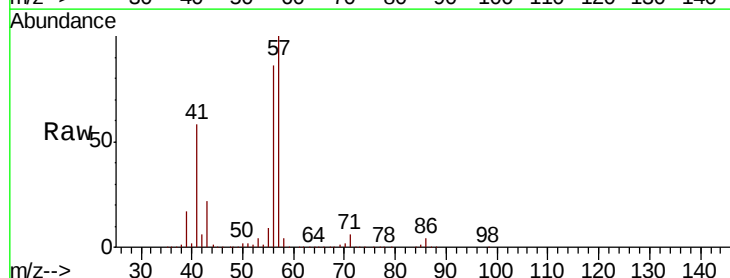
Instrument :
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ClientSampleId :
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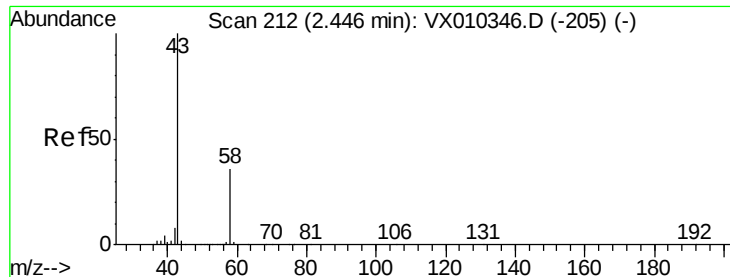
Tot Ion: 41 Resp: 90965
Ion Ratio Lower Upper
41 100
39 61.9 50.3 75.5
76 0.0 31.3 46.9#



#15
Acrylonitrile
Concen: 14.497 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.03 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 53 Resp: 16082
Ion Ratio Lower Upper
53 100
52 19.9 65.5 98.3#
51 60.3 28.2 42.4#





#16

Acetone

Concen: 22.801 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

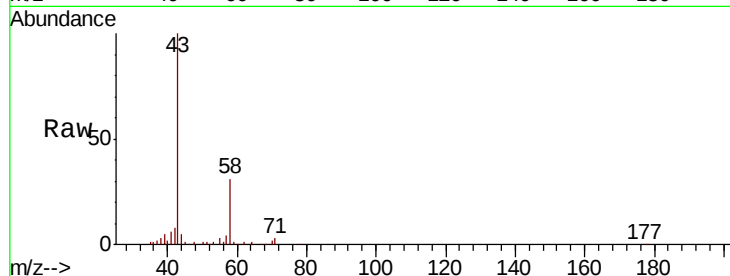
MW-3

Tot Ion: 43 Resp: 24468

Ion Ratio Lower Upper

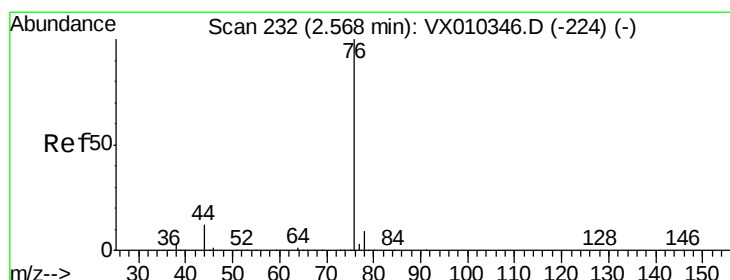
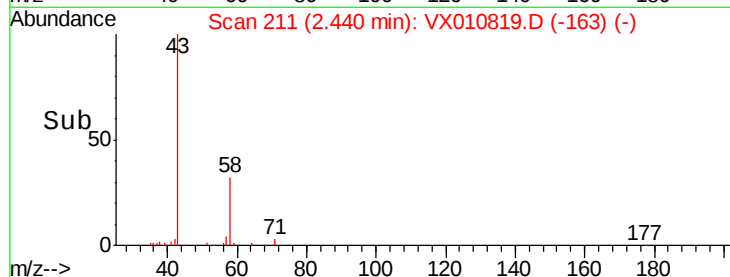
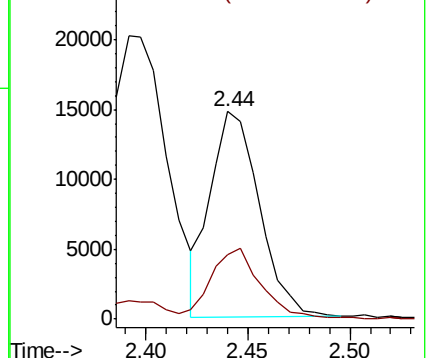
43 100

58 31.0 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.578 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010819.D

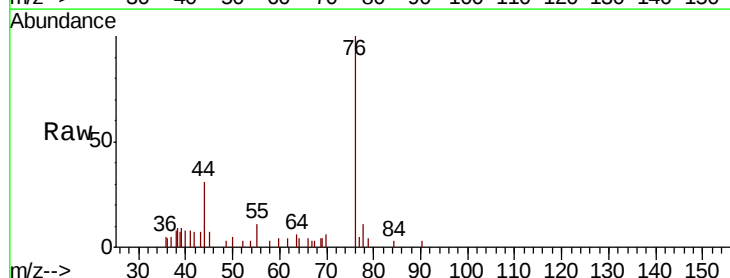
Acq: 11 Jul 2019 19:53

Tgt Ion: 76 Resp: 3070

Ion Ratio Lower Upper

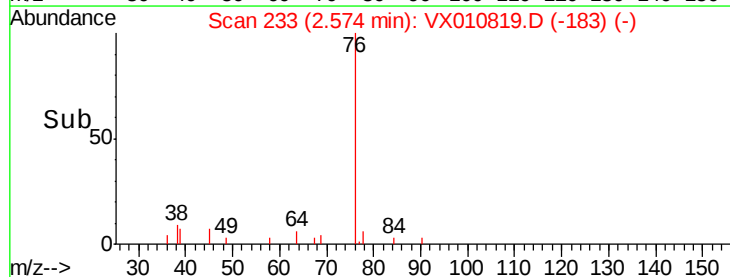
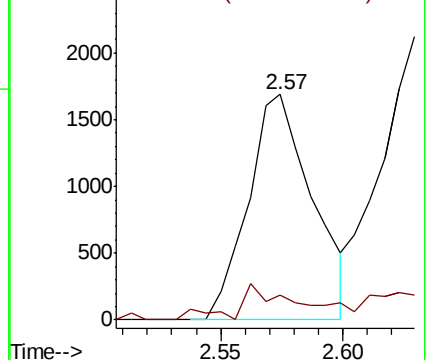
76 100

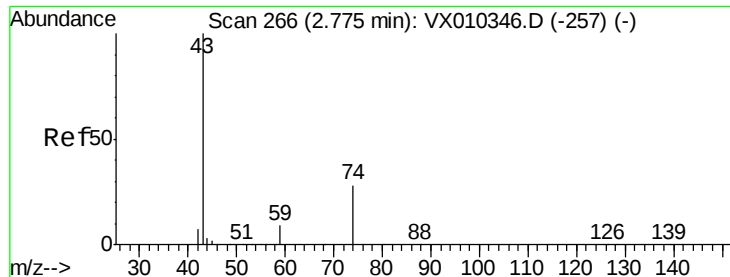
78 6.5 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

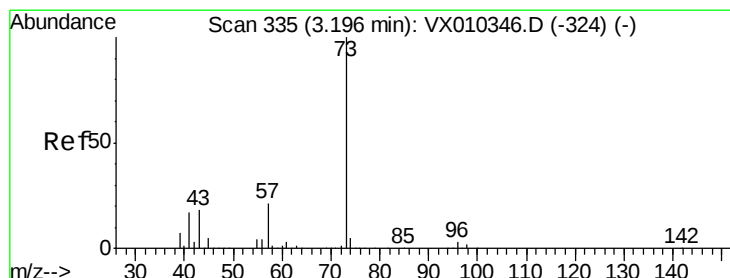
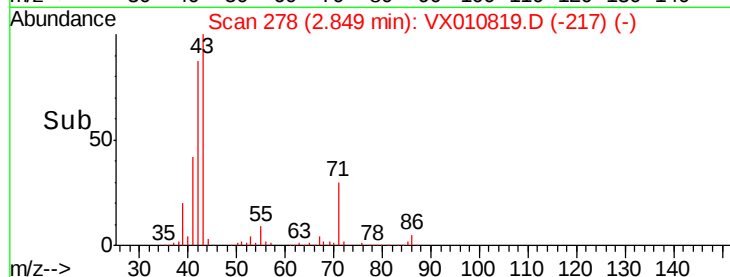
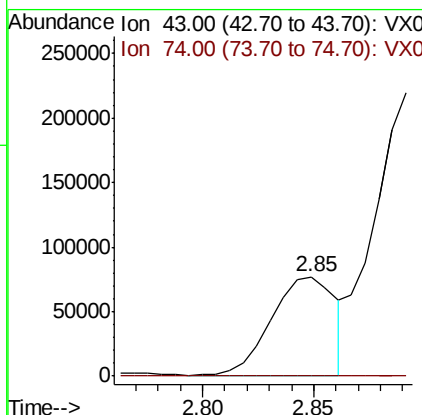
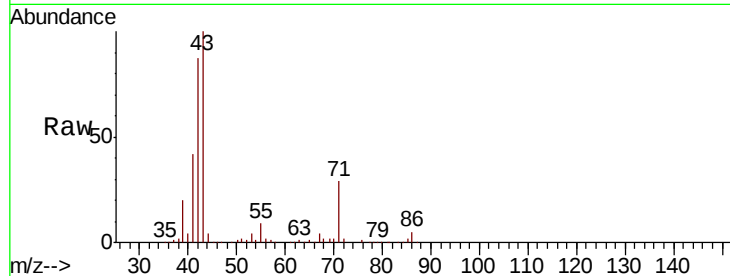




#18
Methyl Acetate
Concen: 71.117 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

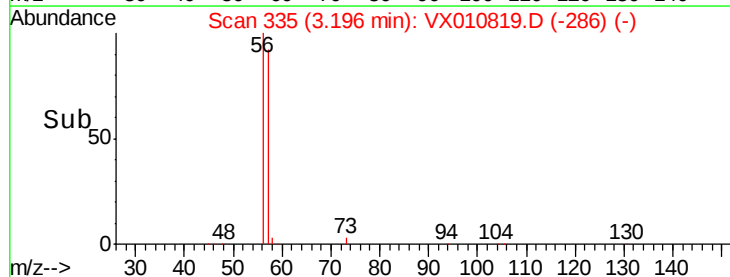
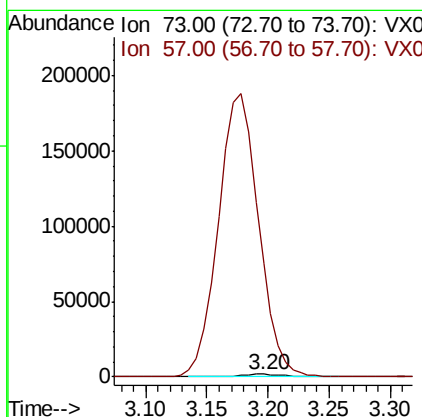
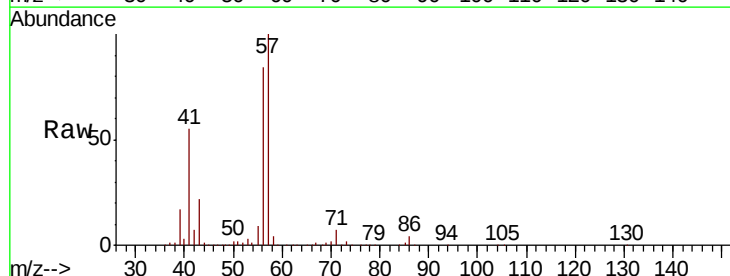
Instrument :
MSVOA_X
ClientSampled :
MW-3

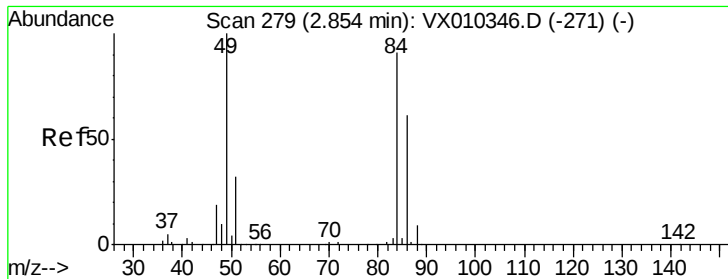
Tot Ion: 43 Resp: 152103
Ion Ratio Lower Upper
43 100
74 0.0 21.3 31.9#



#19
Methyl tert-butyl Ether
Concen: 0.651 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 73 Resp: 4054
Ion Ratio Lower Upper
73 100
57 4539.5 16.4 24.6#

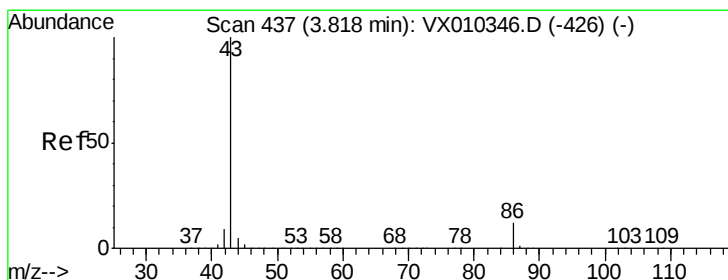
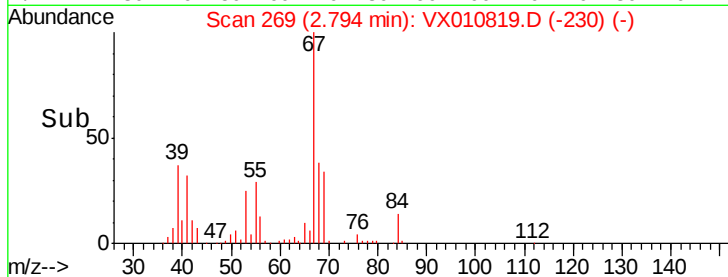
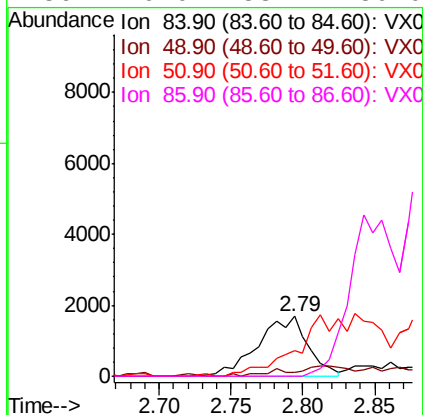
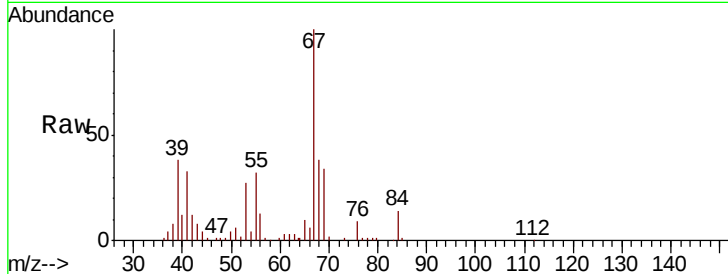




#20
Methvlene Chloride
Concen: 1.842 ug/l
RT: 2.79 min Scan# 269
Delta R.T. -0.06 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

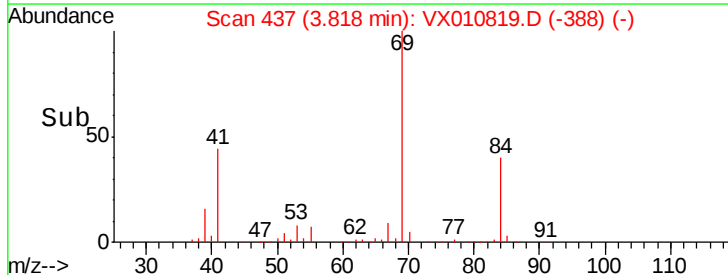
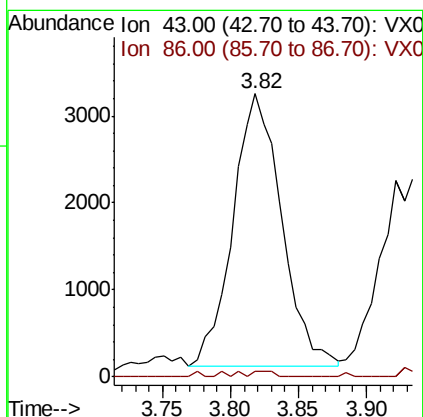
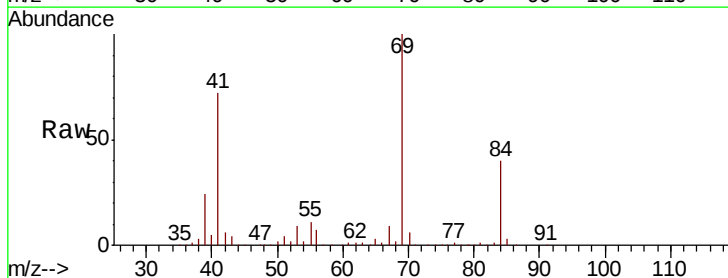
Instrument :
MSVOA_X
ClientSampleId :
MW-3

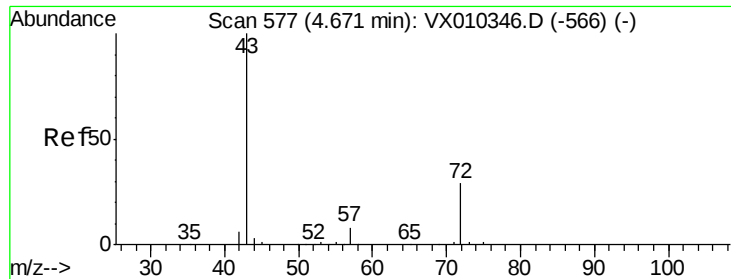
Tot Ion: 84 Resp: 4068
Ion Ratio Lower Upper
84 100
49 2.1 87.5 131.3#
51 43.3 27.7 41.5#
86 0.0 53.4 80.0#



#23
Vinyl Acetate
Concen: 1.541 ug/l
RT: 3.82 min Scan# 437
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 43 Resp: 7824
Ion Ratio Lower Upper
43 100
86 2.1 9.9 14.9#





#25

2-Butanone

Concen: 8.747 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

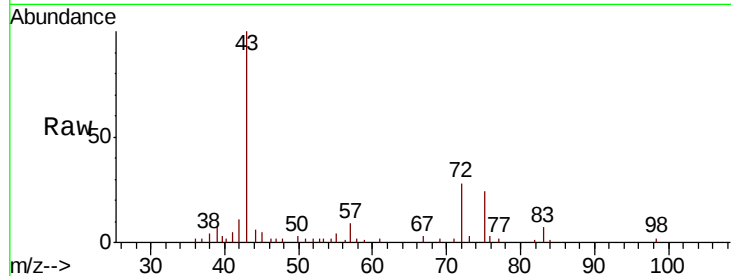
MW-3

Tot Ion: 43 Resp: 13769

Ion Ratio Lower Upper

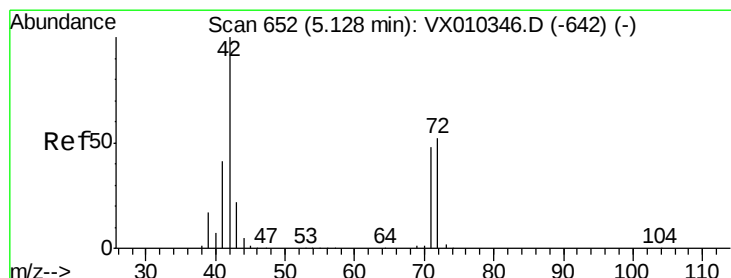
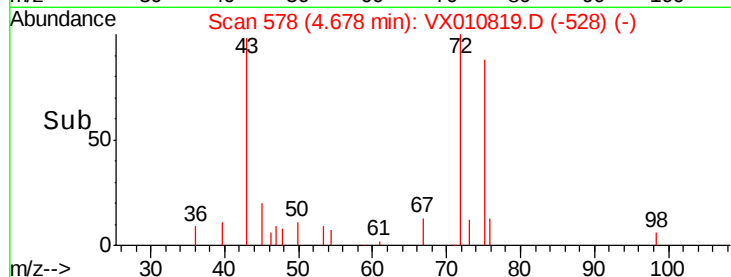
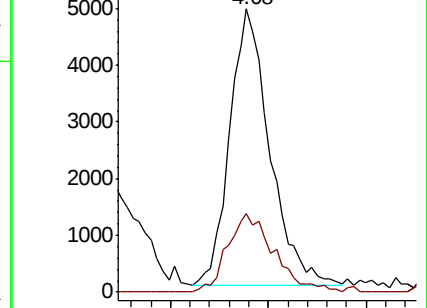
43 100

72 28.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.725 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.07 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

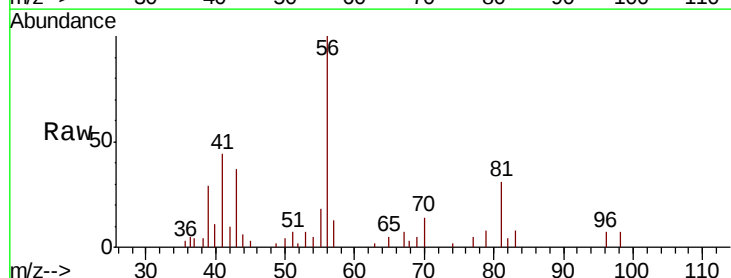
Tgt Ion: 42 Resp: 707

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

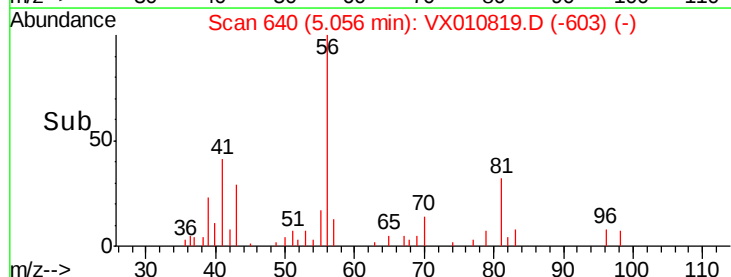
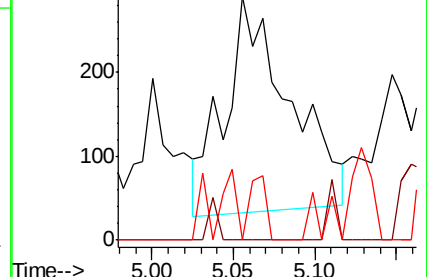
71 0.0 37.8 56.8#

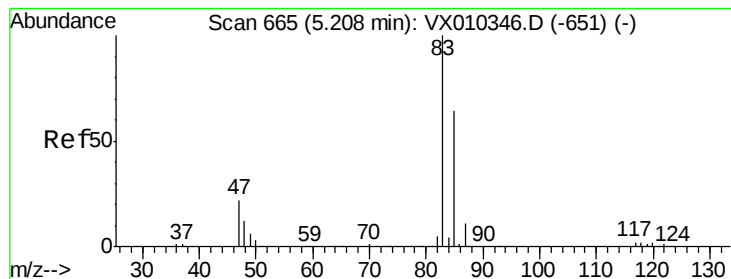


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 10.106 ug/l

RT: 5.28 min Scan# 677

Delta R.T. 0.07 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

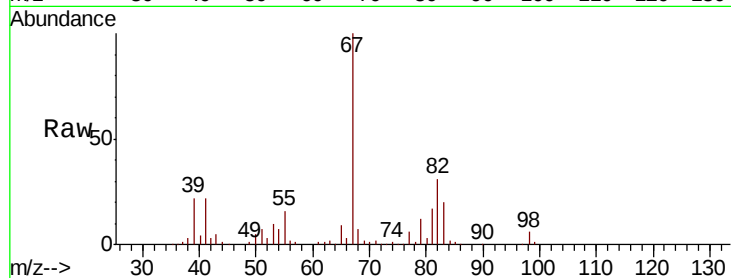
MW-3

Tot Ion: 83 Resp: 36930

Ion Ratio Lower Upper

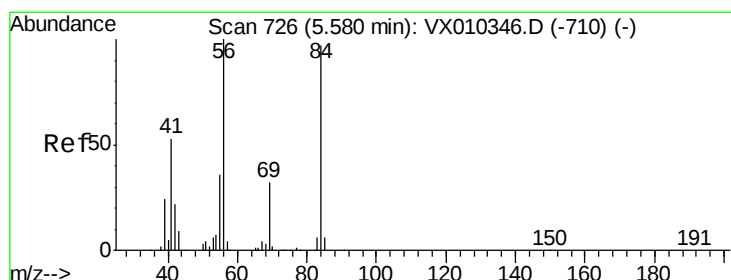
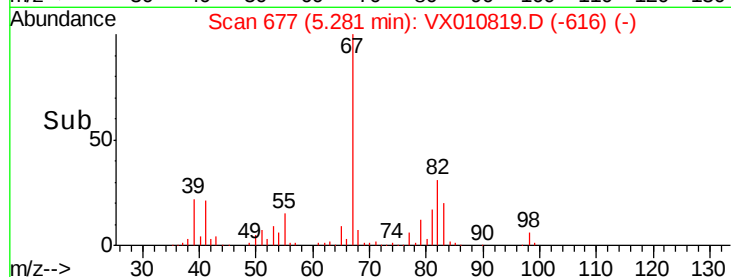
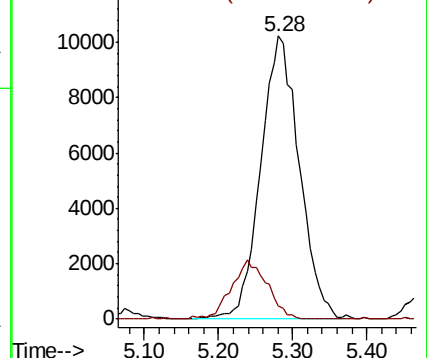
83 100

85 4.5 50.9 76.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#31

Cyclohexane

Concen: 36.798 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

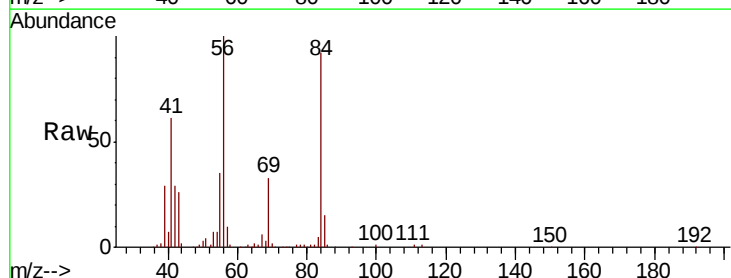
Tgt Ion: 56 Resp: 113813

Ion Ratio Lower Upper

56 100

69 20.3 25.9 38.9#

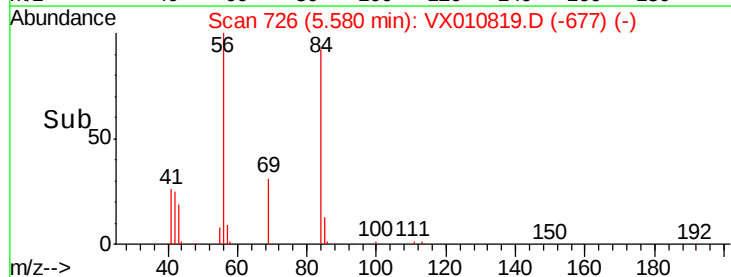
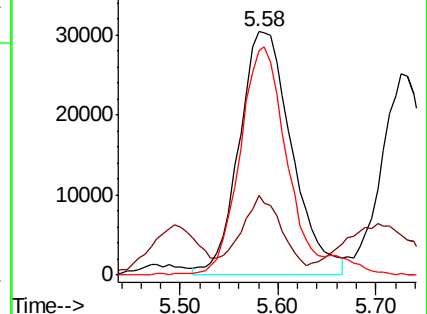
84 94.3 78.0 117.0

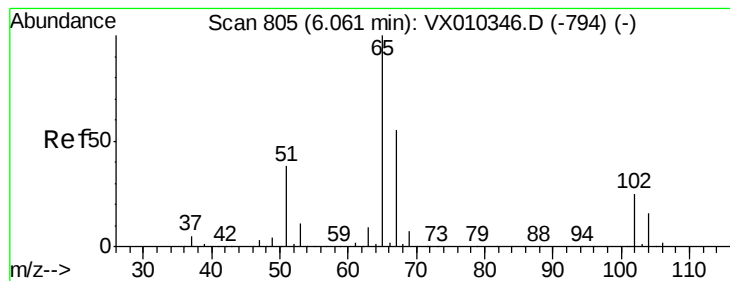


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.028 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

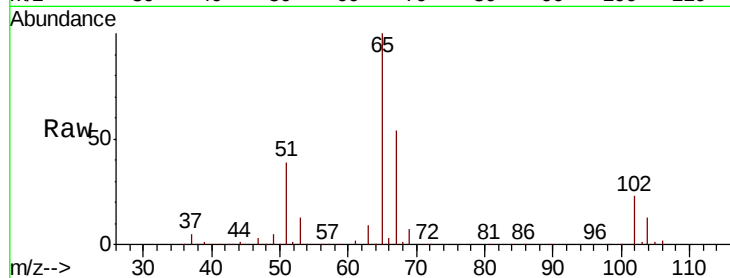
MW-3

Tot Ion: 65 Resp: 115686

Ion Ratio Lower Upper

65 100

67 53.9 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

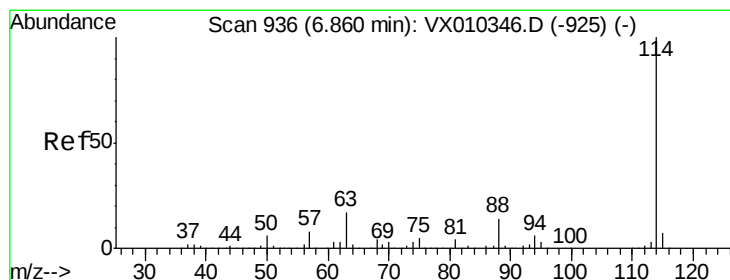
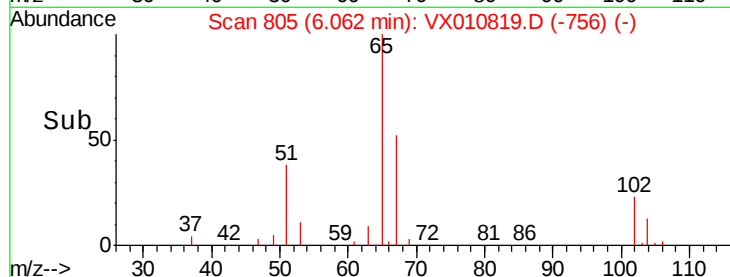
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

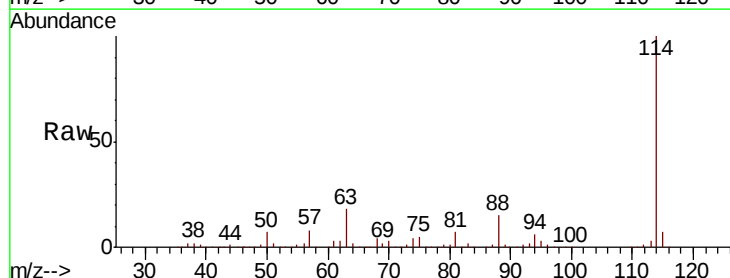
Tgt Ion: 114 Resp: 359422

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.8

88 15.2 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

200000

150000

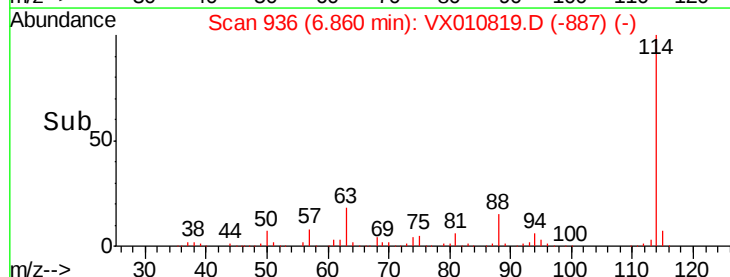
100000

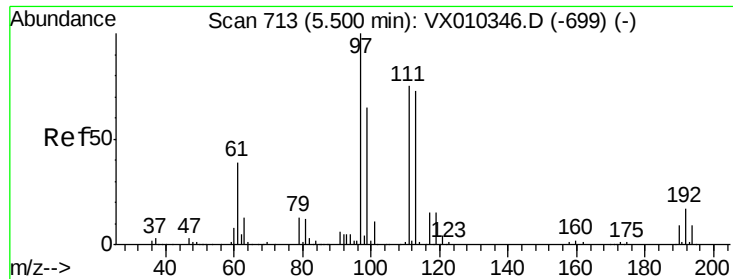
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.546 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

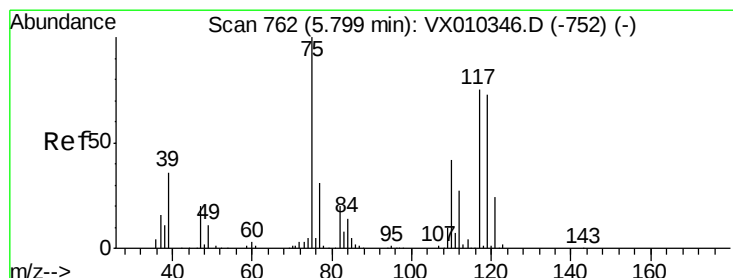
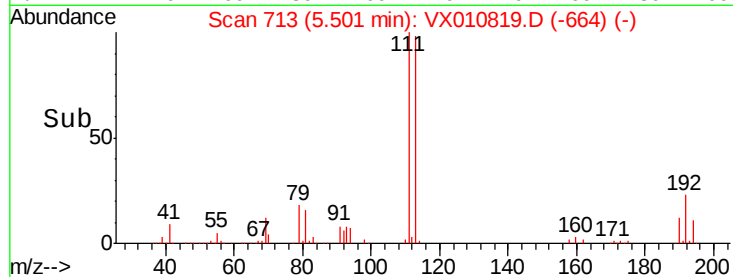
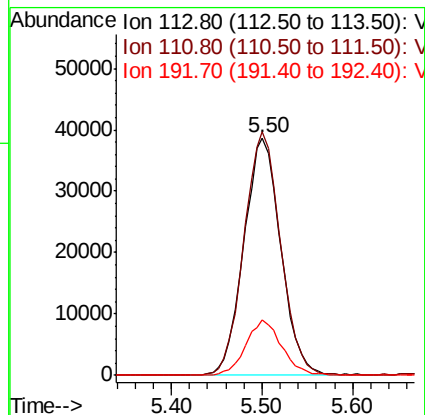
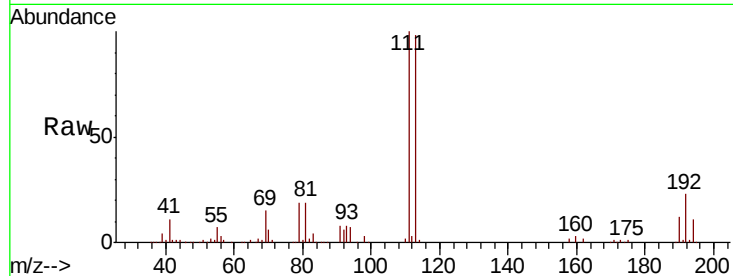
Tot Ion:113 Resp: 108955

Ion Ratio Lower Upper

113 100

111 101.7 81.2 121.8

192 22.7 18.6 27.8



#36

1,1-Dichloropropene

Concen: 5.292 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

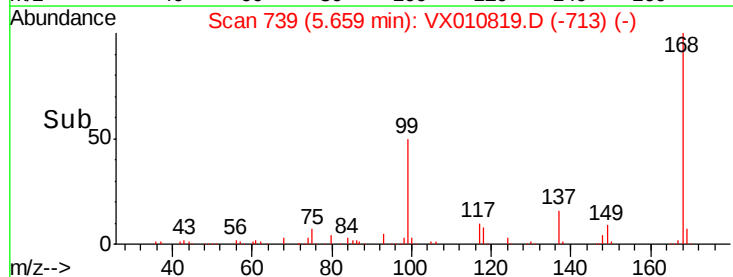
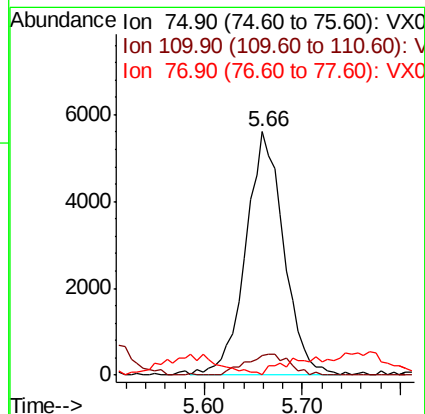
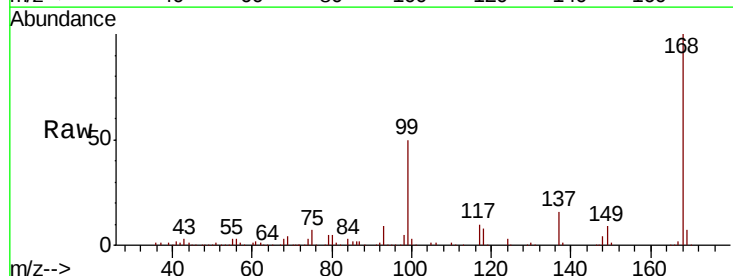
Tgt Ion: 75 Resp: 15116

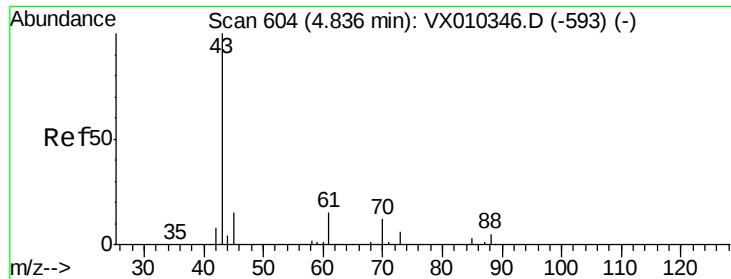
Ion Ratio Lower Upper

75 100

110 9.9 20.8 62.2#

77 0.0 25.4 38.0#





#37

Ethyl Acetate

Concen: 0.382 ug/l

RT: 4.90 min Scan# 615

Delta R.T. 0.07 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

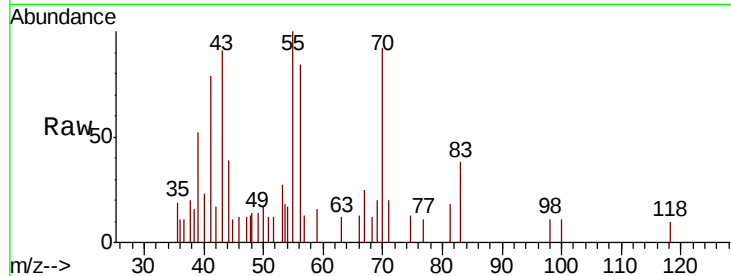
Tot Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

61 2.3 12.4 18.6#

70 134.8 9.8 14.8#



Abundance Ion 43.00 (42.70 to 43.70): VX010346.D (-593) (-)

Ion 60.90 (60.60 to 61.60): VX010346.D (-593) (-)

Ion 70.00 (69.70 to 70.70): VX010346.D (-593) (-)

4.90

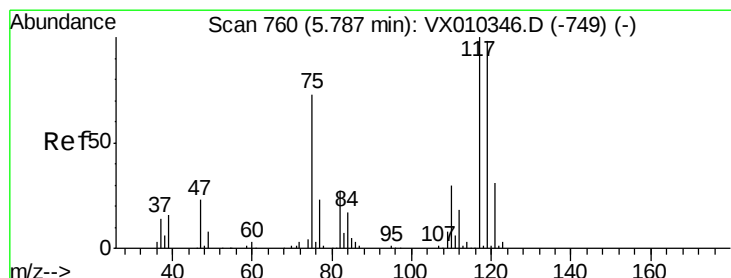
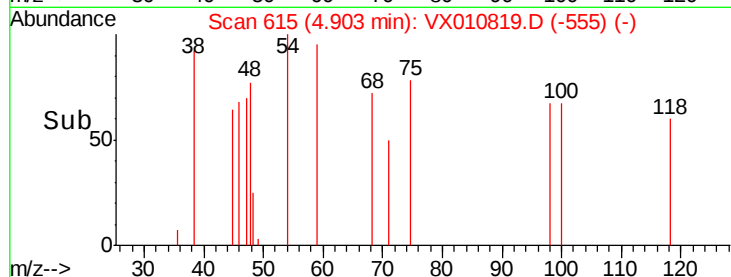
400

200

0

4.85 4.90 4.95 5.00

Time-->



#38

Carbon Tetrachloride

Concen: 6.879 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

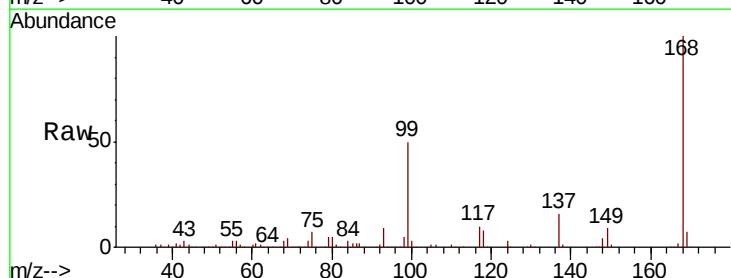
Tgt Ion: 117 Resp: 21277

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.4#

121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): VX010346.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX010346.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX010346.D (-749) (-)

5.66

10000

8000

6000

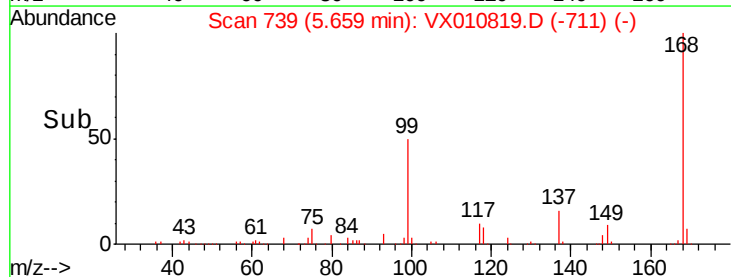
4000

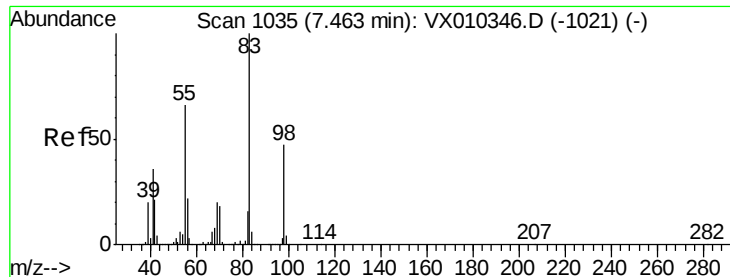
2000

0

5.60 5.66 5.70 5.80

Time-->

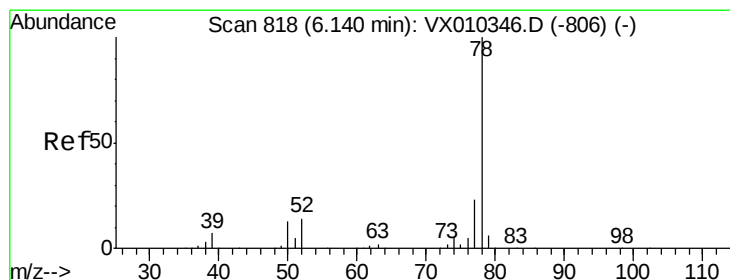
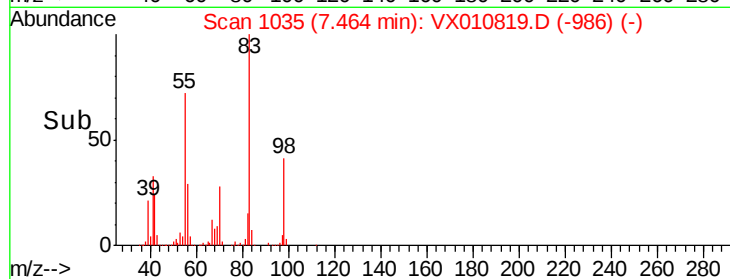
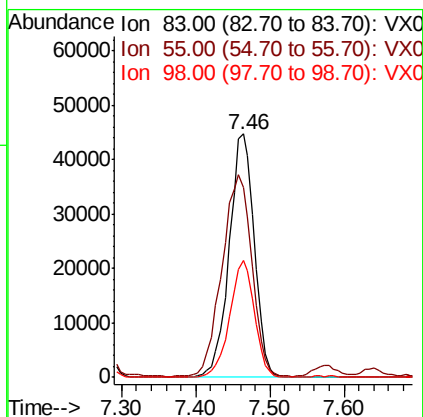
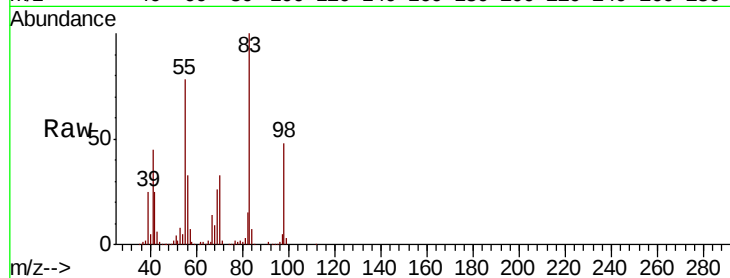




#39
Methvlcvclohexane
Concen: 28.047 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

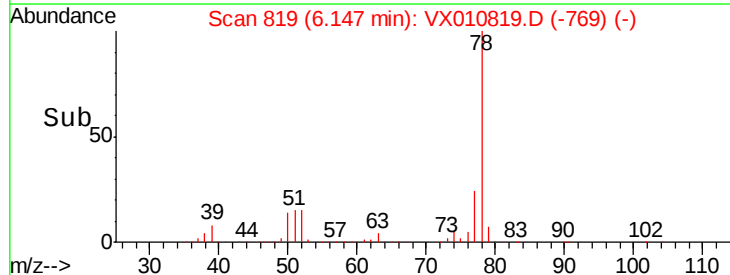
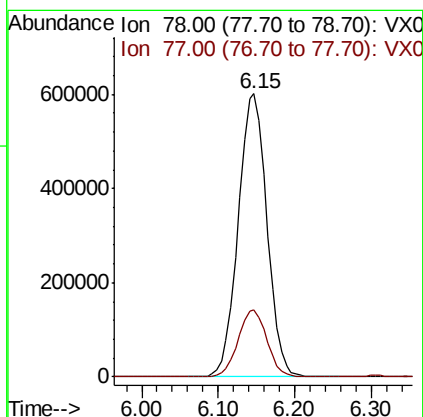
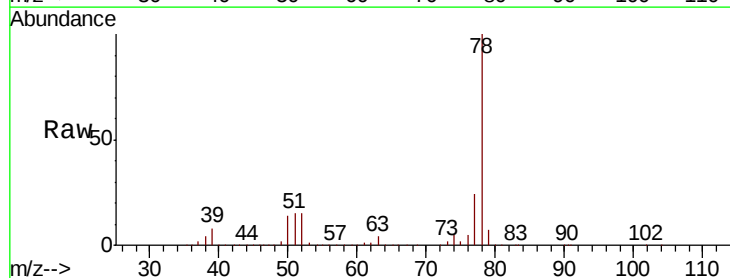
Instrument :
MSVOA_X
ClientSampleId :
MW-3

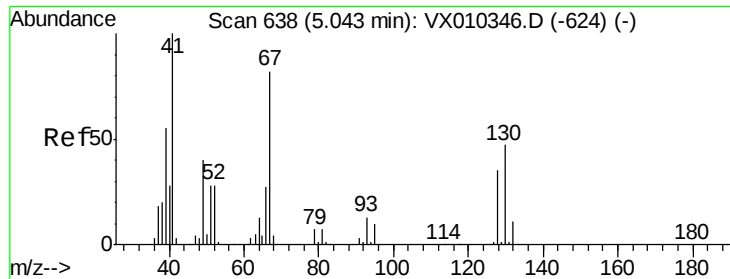
Tot Ion: 83 Resp: 105298
Ion Ratio Lower Upper
83 100
55 77.7 53.0 79.6
98 47.8 37.8 56.8



#40
Benzene
Concen: 175.987 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 78 Resp: 1565987
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0

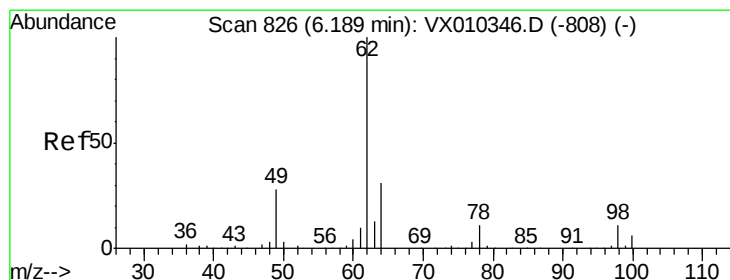
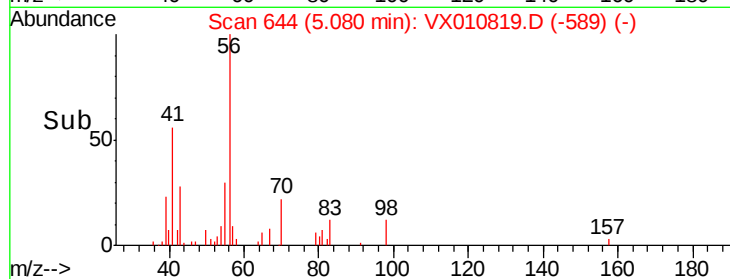
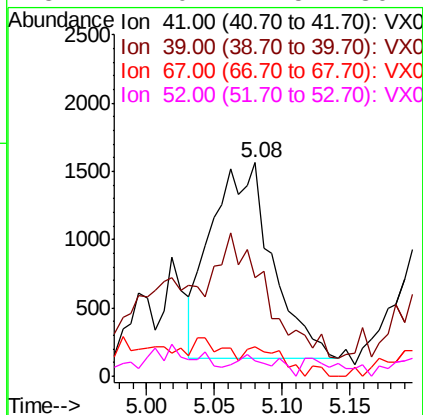
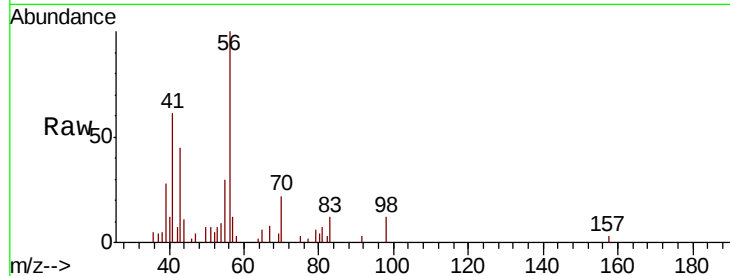




#41
Methacrylonitrile
Concen: 2.760 ug/l
RT: 5.08 min Scan# 644
Delta R.T. 0.04 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

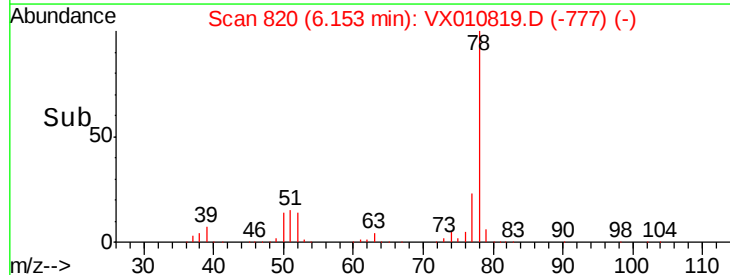
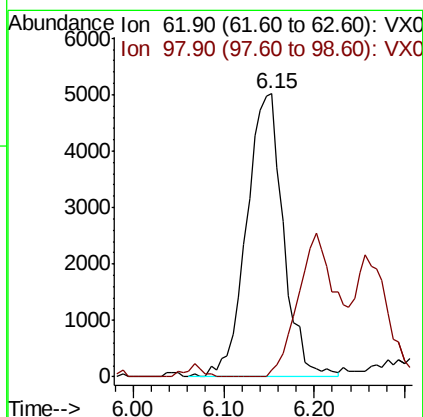
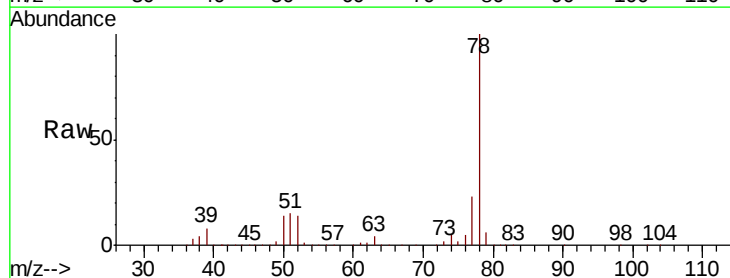
Instrument :
MSVOA_X
ClientSampled :
MW-3

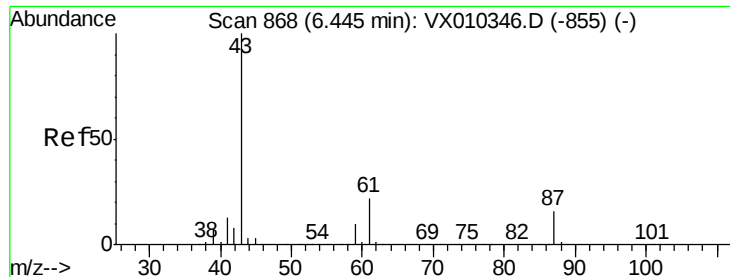
Tot Ion: 41 Resp: 4450
Ion Ratio Lower Upper
41 100
39 52.7 43.8 65.8
67 0.0 66.6 100.0#
52 7.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 5.202 ug/l
RT: 6.15 min Scan# 820
Delta R.T. -0.04 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 62 Resp: 14090
Ion Ratio Lower Upper
62 100
98 0.0 0.0 22.2





#43

Isopropyl Acetate

Concen: 1.914 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.02 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

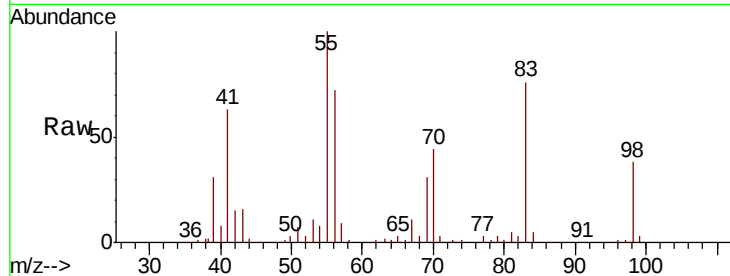
Tot Ion: 43 Resp: 9304

Ion Ratio Lower Upper

43 100

61 2.5 17.8 26.6#

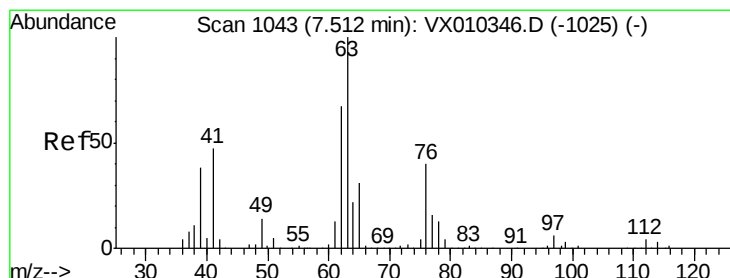
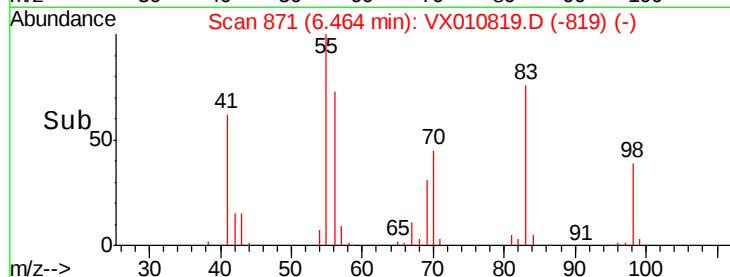
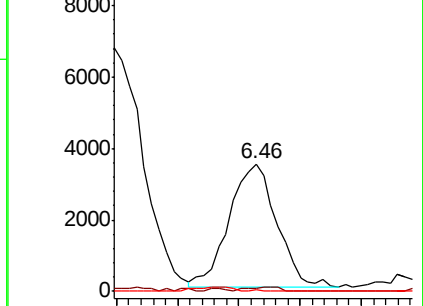
87 0.2 13.0 19.4#



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



#45

1,2-Dichloropropane

Concen: 0.831 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.05 min

Lab File: VX010819.D

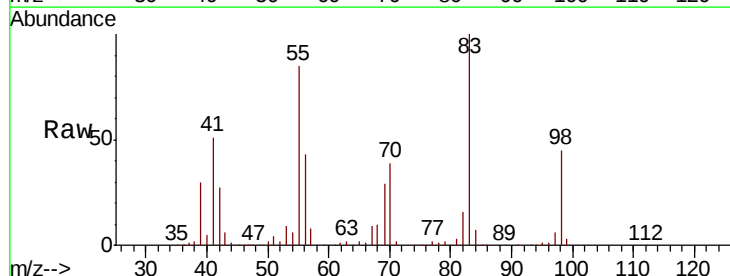
Acq: 11 Jul 2019 19:53

Tgt Ion: 63 Resp: 1868

Ion Ratio Lower Upper

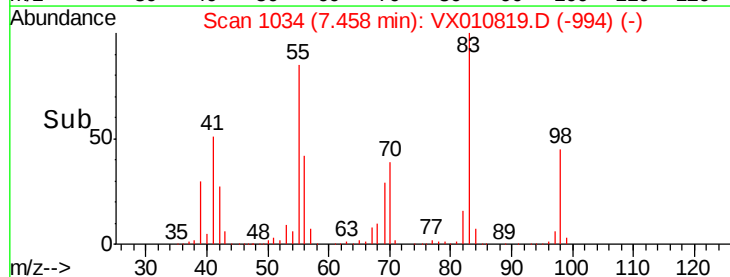
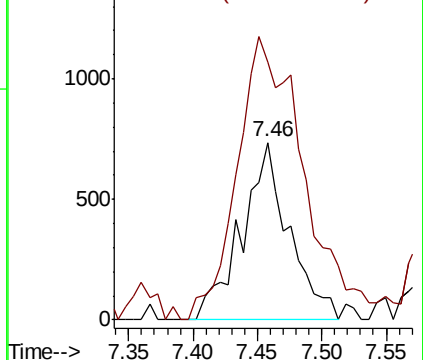
63 100

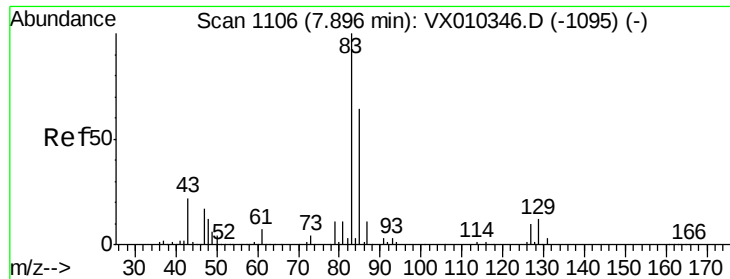
65 145.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#47

Bromodichloromethane

Concen: 1.313 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.05 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

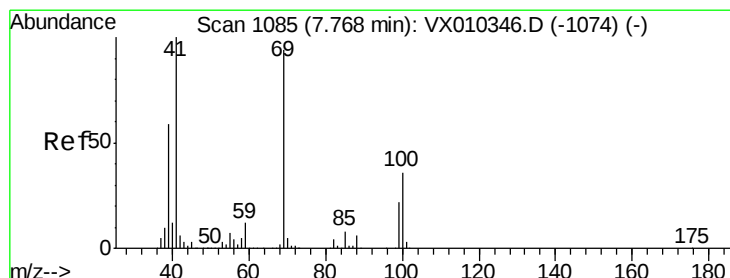
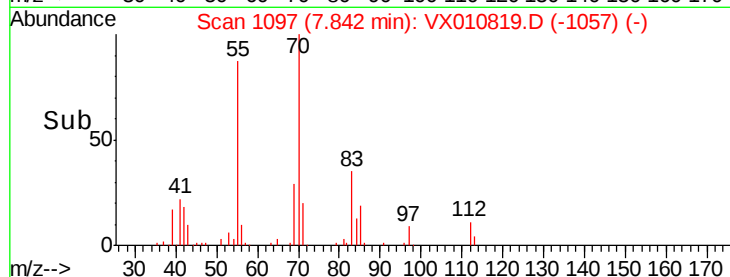
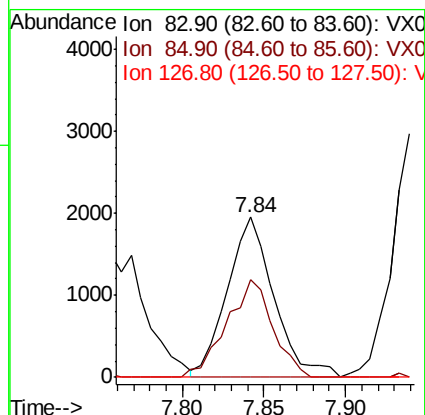
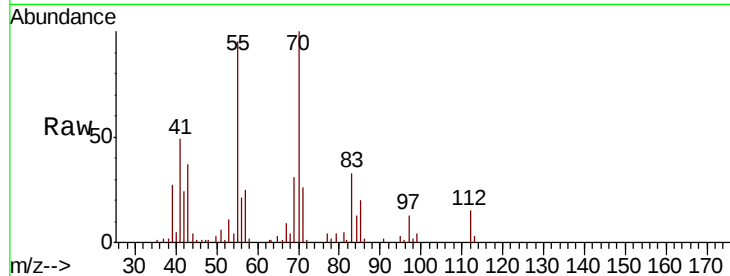
Tot Ion: 83 Resp: 3880

Ion Ratio Lower Upper

83 100

85 60.8 51.5 77.3

127 0.0 7.8 11.8#



#48

Methyl methacrylate

Concen: 5.878 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

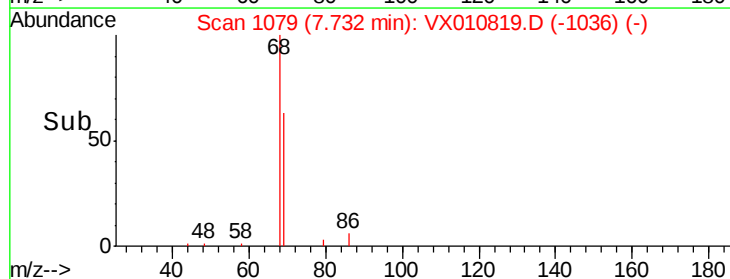
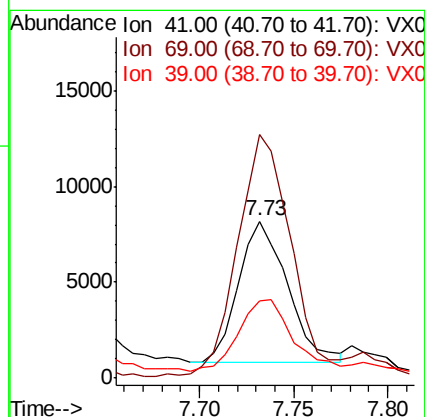
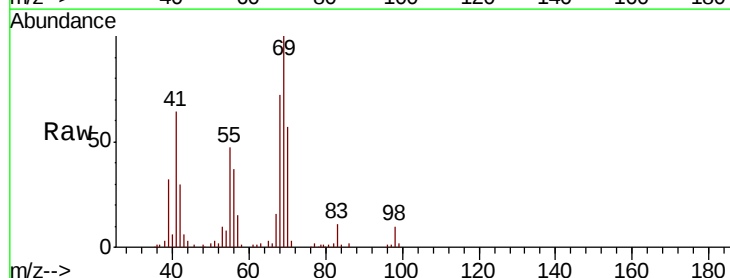
Tgt Ion: 41 Resp: 13282

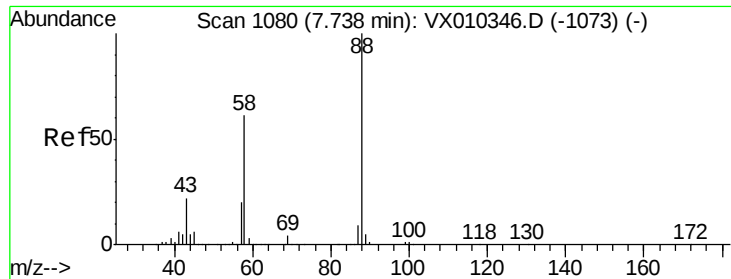
Ion Ratio Lower Upper

41 100

69 187.2 76.1 114.1#

39 54.7 47.6 71.4

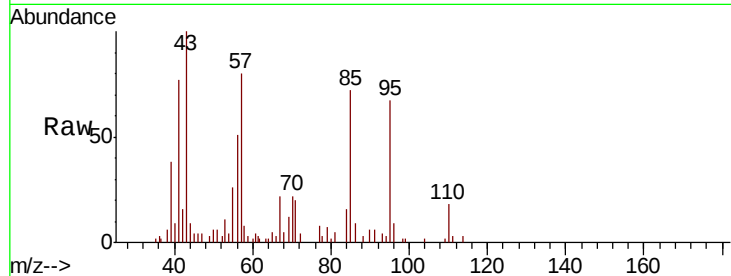




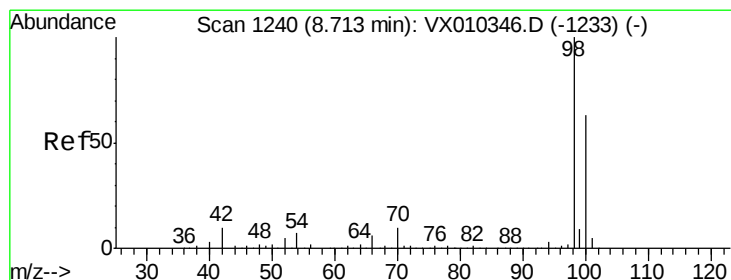
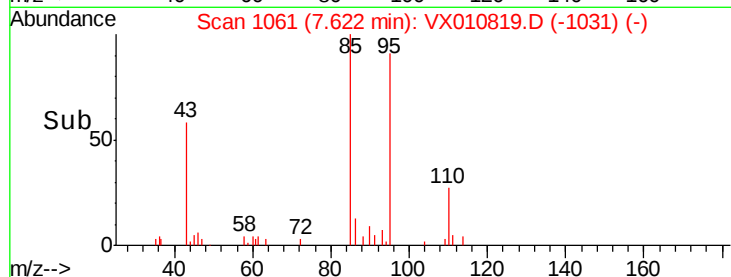
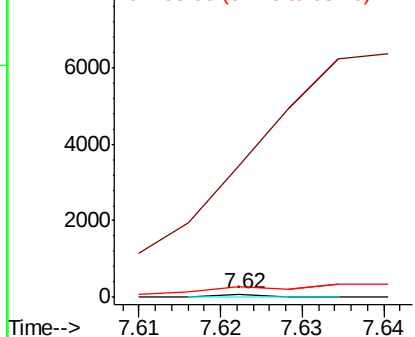
#49
1,4-Dioxane
Concen: 0.522 ug/l
RT: 7.62 min Scan# 1061
Delta R.T. -0.12 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 39152.9 20.2 30.2#
58 1082.4 49.5 74.3#

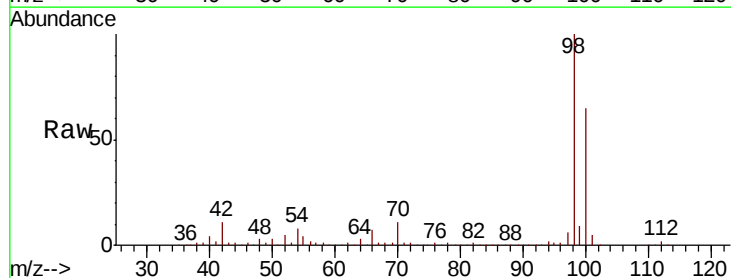


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

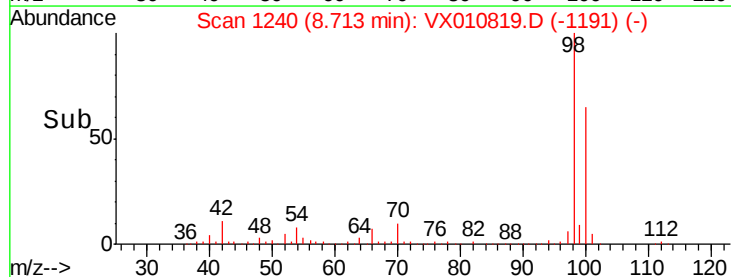
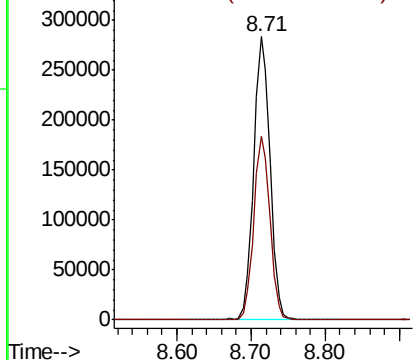


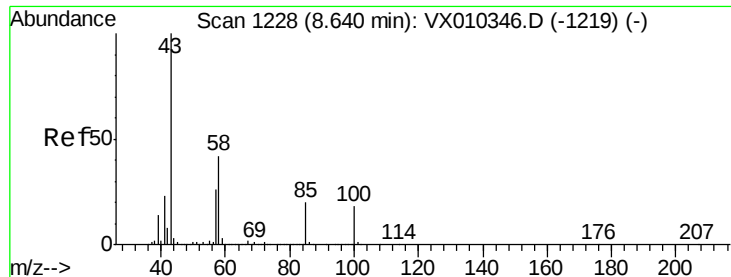
#50
Toluene-d8
Concen: 52.336 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 98 Resp: 440315
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

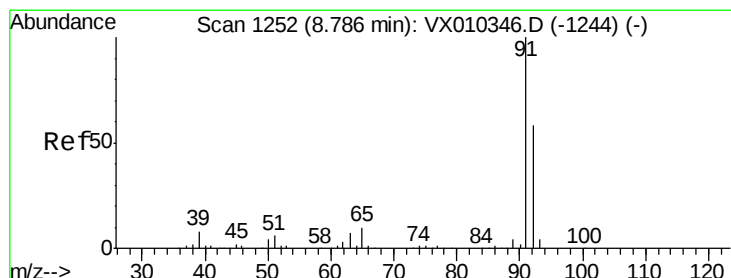
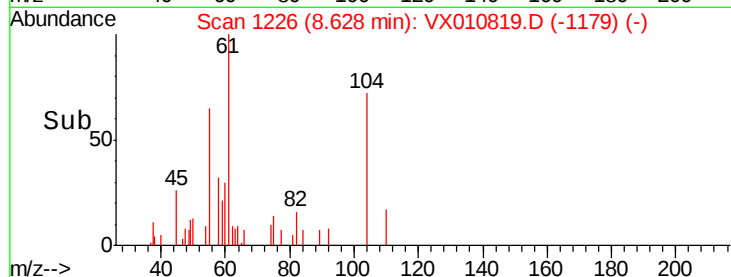
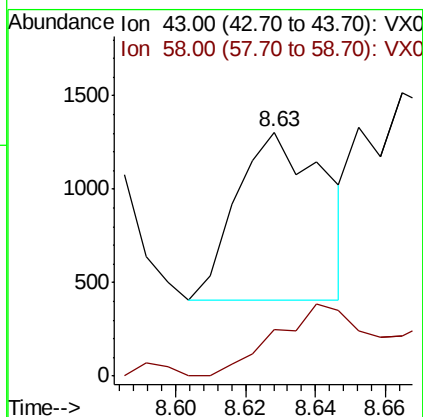
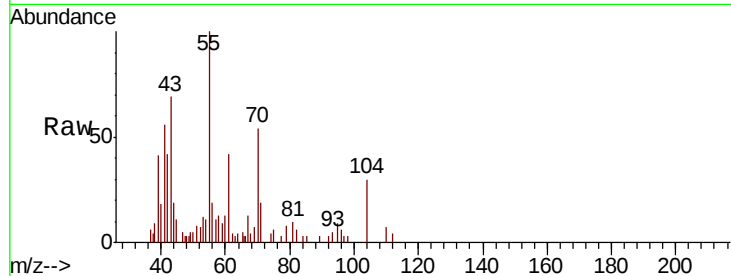




#51
4-Methyl-2-Pentanone
Concen: 0.510 ug/l
RT: 8.63 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

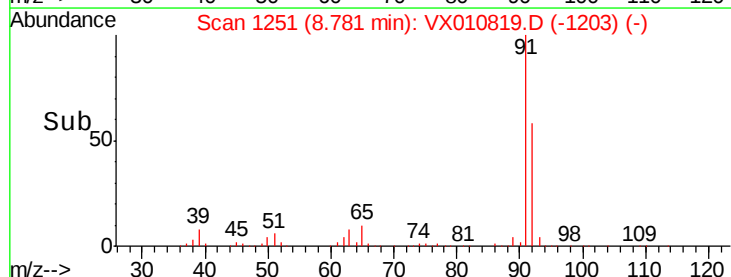
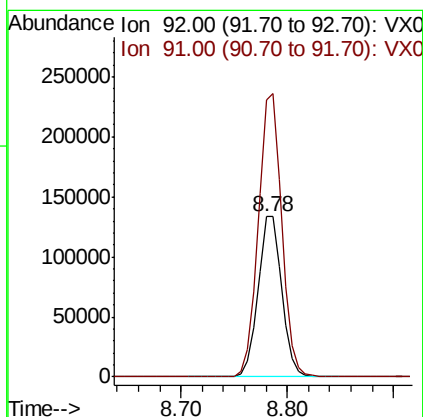
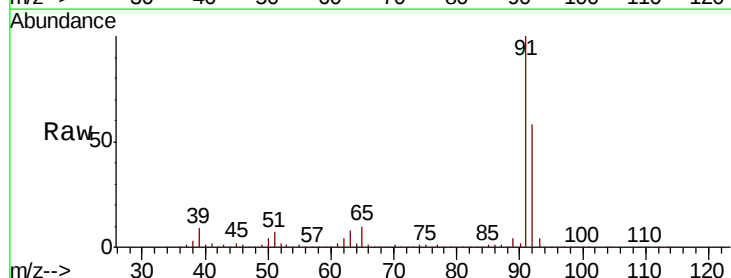
Instrument :
MSVOA_X
ClientSampleId :
MW-3

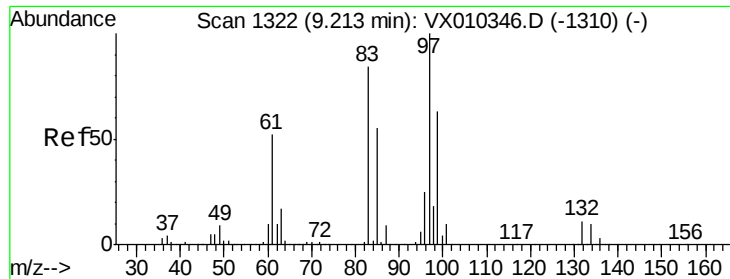
Tot Ion: 43 Resp: 1586
Ion Ratio Lower Upper
43 100
58 43.0 33.5 50.3



#52
Toluene
Concen: 35.608 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 92 Resp: 208660
Ion Ratio Lower Upper
92 100
91 174.4 139.8 209.6





#55

1,1,2-Trichloroethane

Concen: 12.288 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 97 Resp: 29696

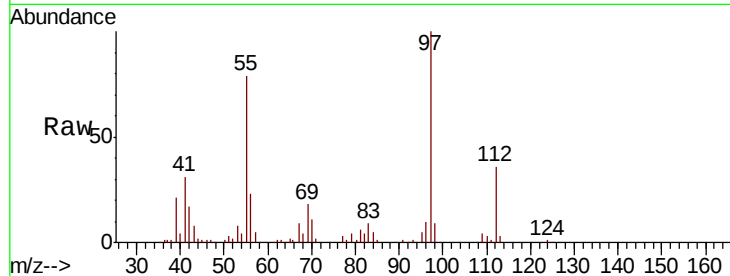
Ion Ratio Lower Upper

97 100

83 7.1 67.4 101.0#

85 0.6 43.8 65.8#

99 0.3 50.3 75.5#

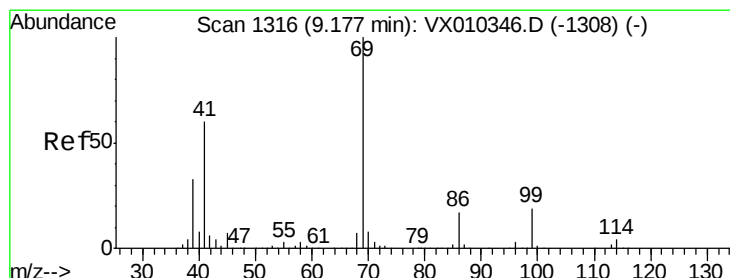
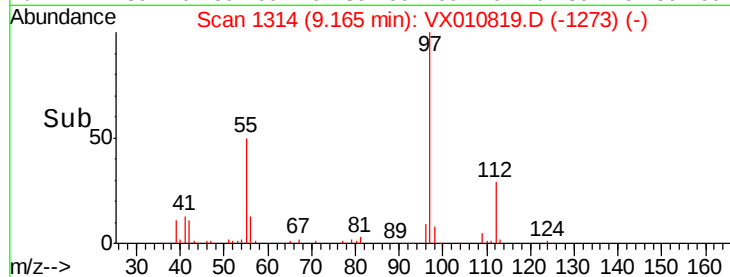
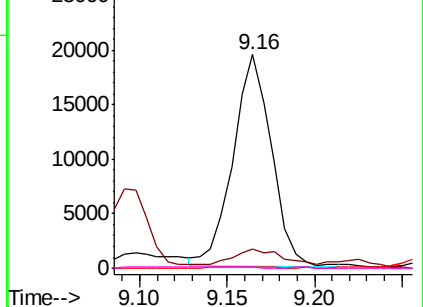


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 2.214 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

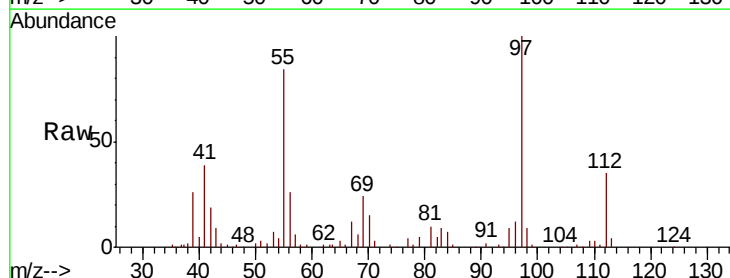
Tgt Ion: 69 Resp: 8104

Ion Ratio Lower Upper

69 100

41 112.4 47.1 70.7#

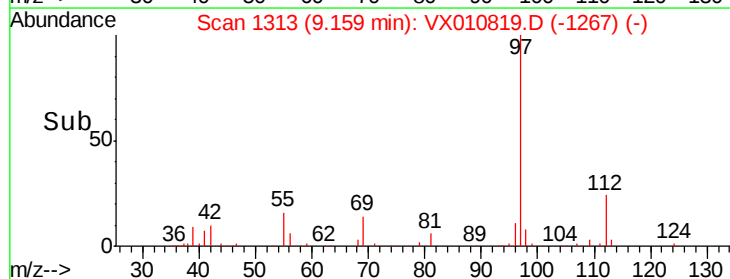
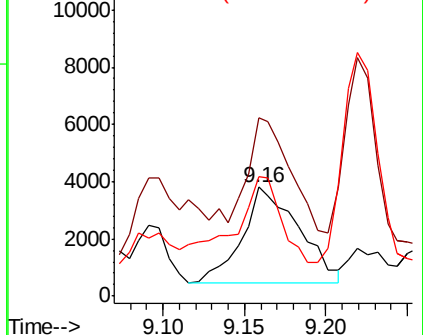
39 55.1 26.6 40.0#

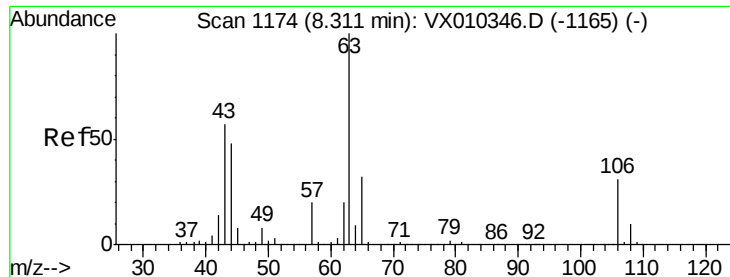


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

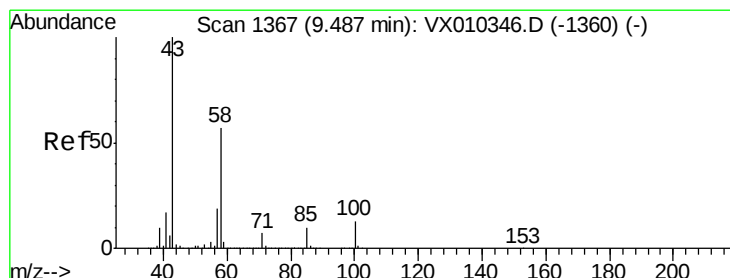
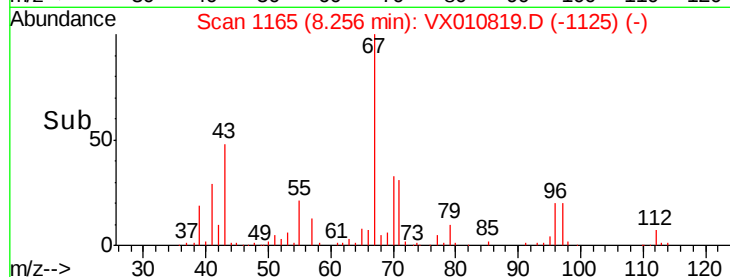
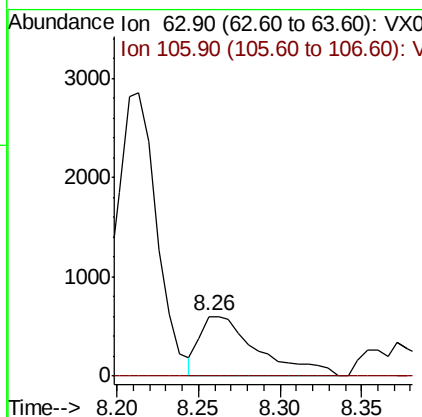
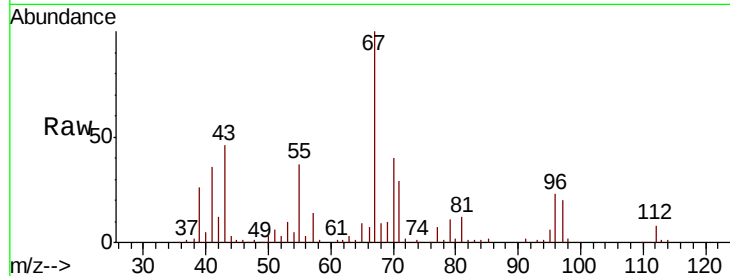




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.860 ug/l
 RT: 8.26 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: VX010819.D
 Acq: 11 Jul 2019 19:53

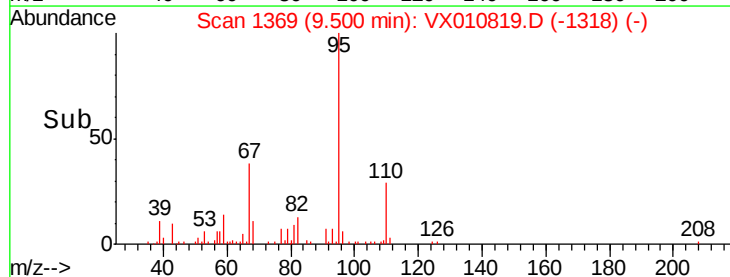
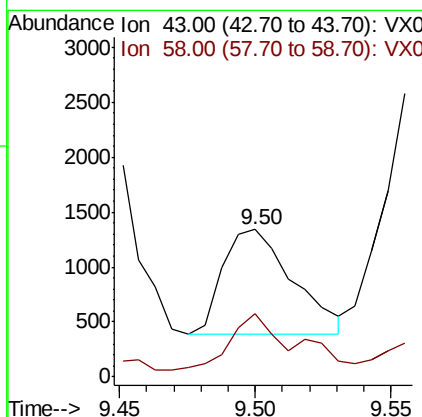
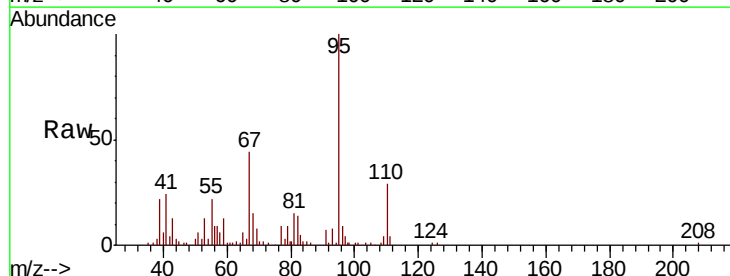
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

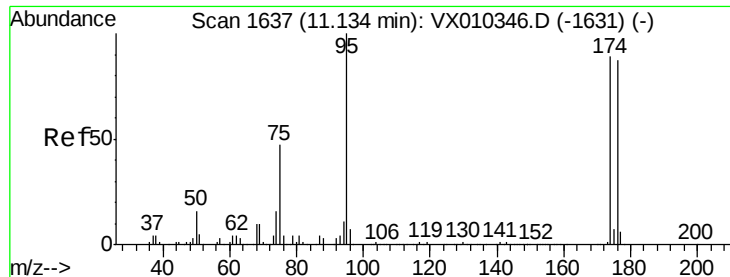
Tot Ion: 63 Resp: 1495
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.7 37.1#



#59
 2-Hexanone
 Concen: 0.690 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VX010819.D
 Acq: 11 Jul 2019 19:53

Tgt Ion: 43 Resp: 1688
 Ion Ratio Lower Upper
 43 100
 58 60.4 29.0 87.1

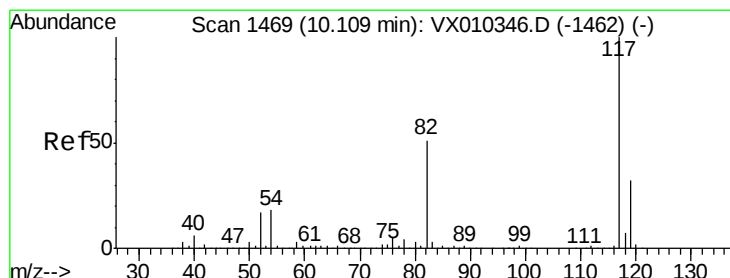
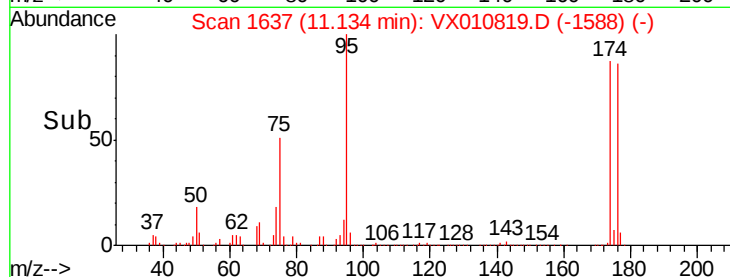
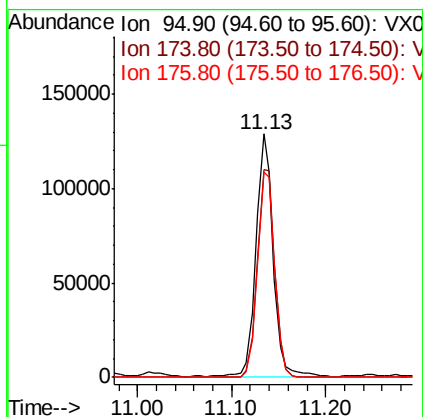
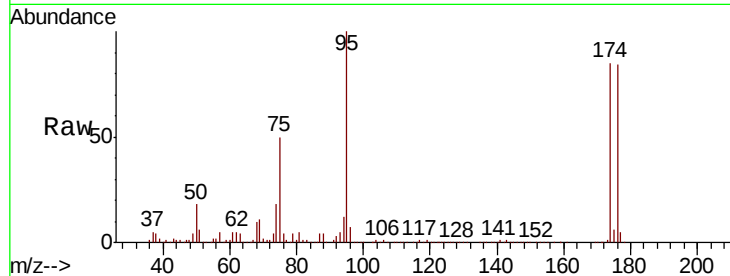




#62
4-Bromofluorobenzene
Concen: 54.670 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

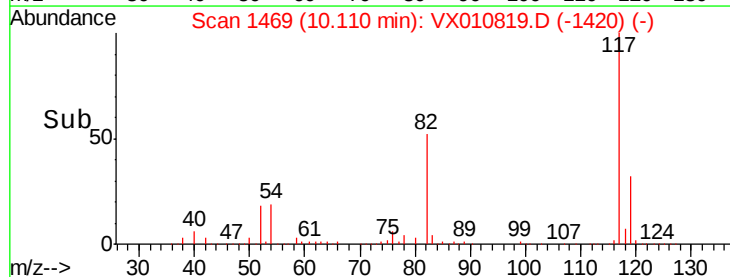
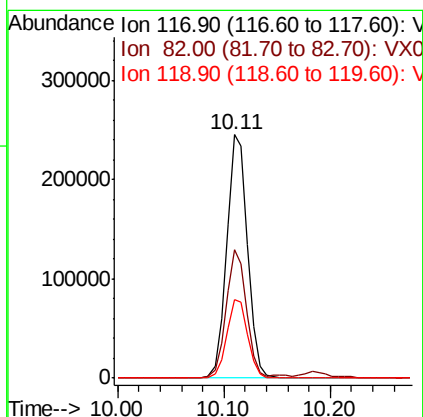
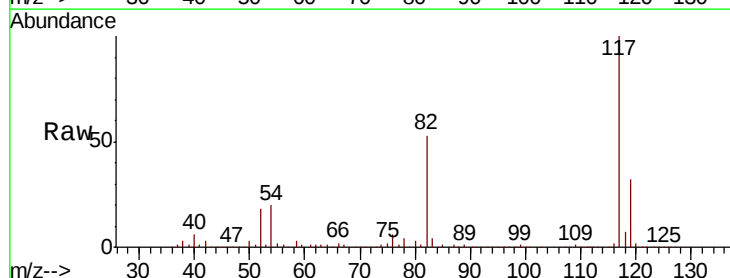
Instrument :
MSVOA_X
ClientSampleId :
MW-3

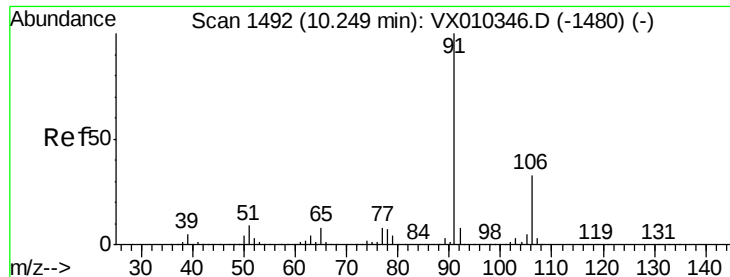
Tot Ion: 95 Resp: 166056
Ion Ratio Lower Upper
95 100
174 87.0 0.0 187.6
176 84.8 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 117 Resp: 334403
Ion Ratio Lower Upper
117 100
82 52.4 41.2 61.8
119 32.5 25.5 38.3





#67

Ethyl Benzene

Concen: 58.249 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

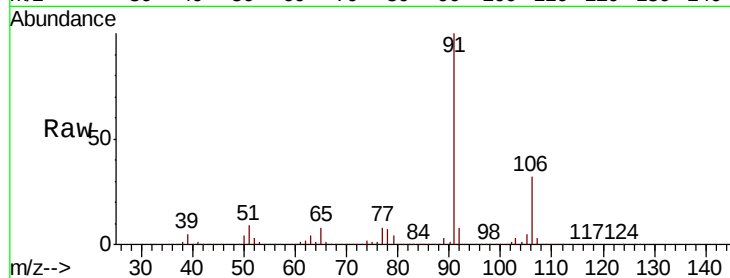
MW-3

Tot Ion: 91 Resp: 667607

Ion Ratio Lower Upper

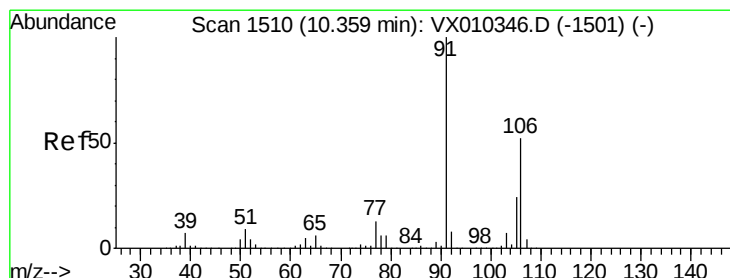
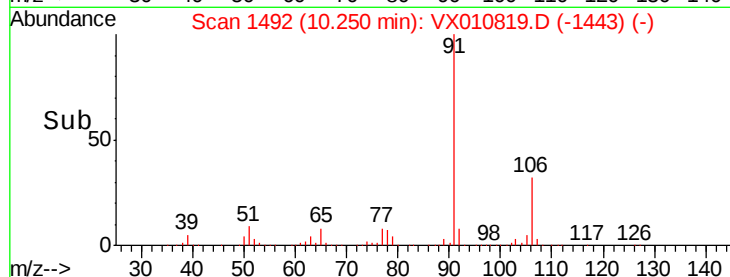
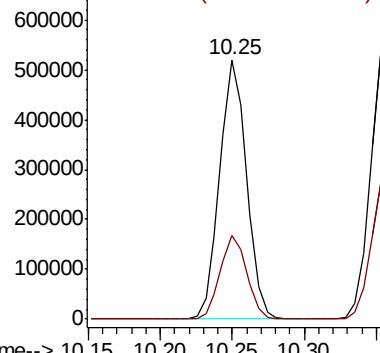
91 100

106 32.3 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 90.317 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010819.D

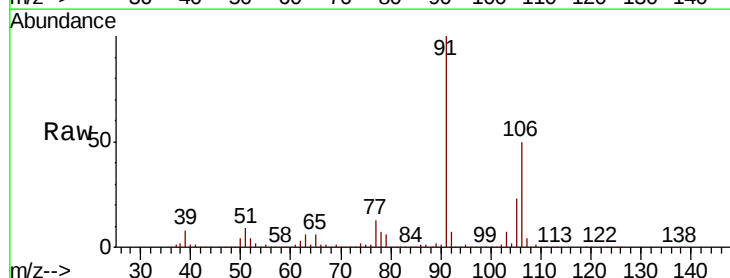
Acq: 11 Jul 2019 19:53

Tgt Ion: 106 Resp: 401098

Ion Ratio Lower Upper

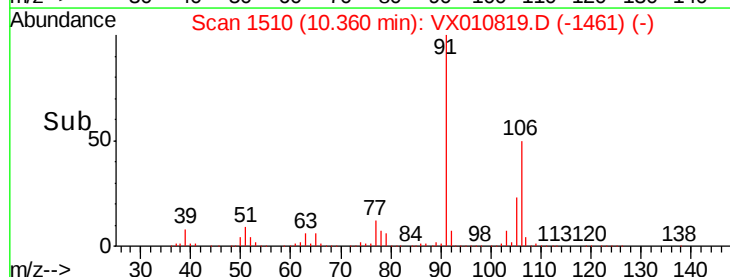
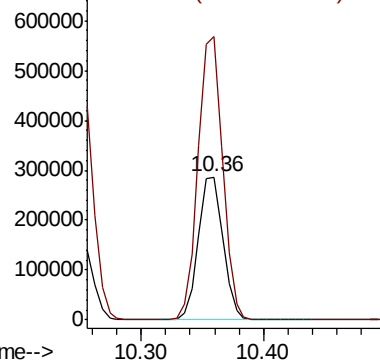
106 100

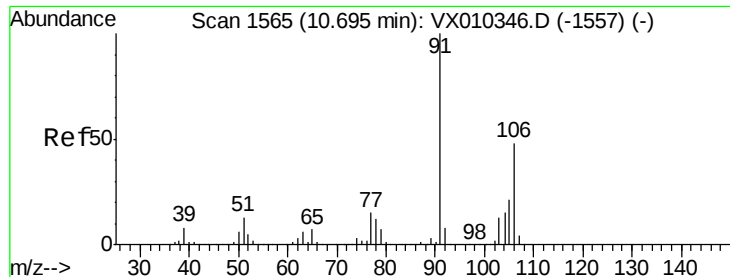
91 197.1 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

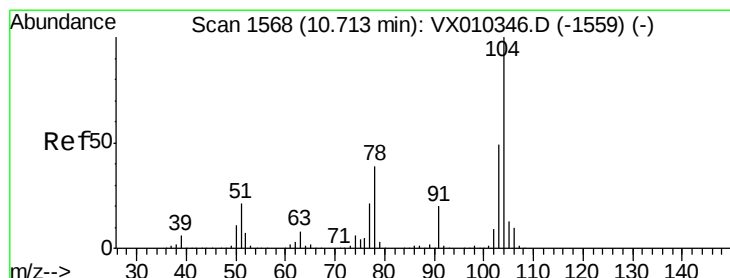
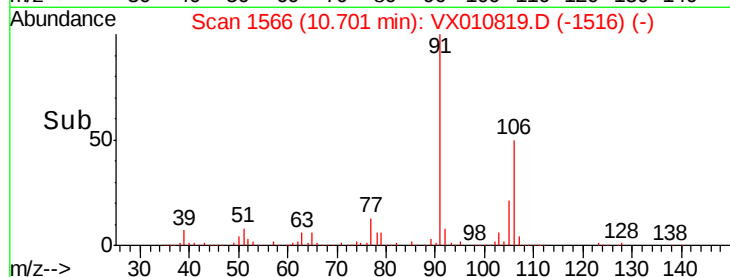
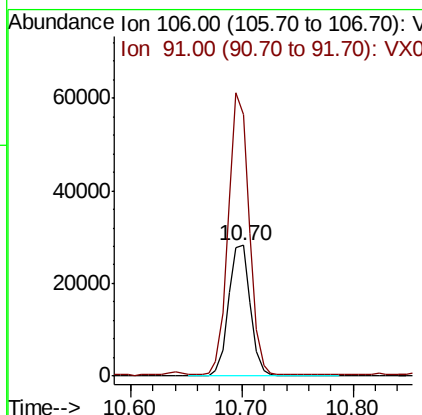
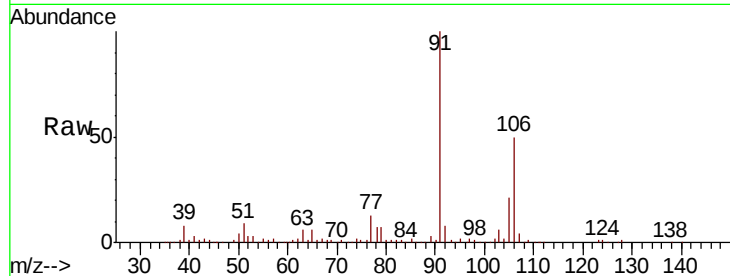




#69
o-Xylene
Concen: 8.758 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

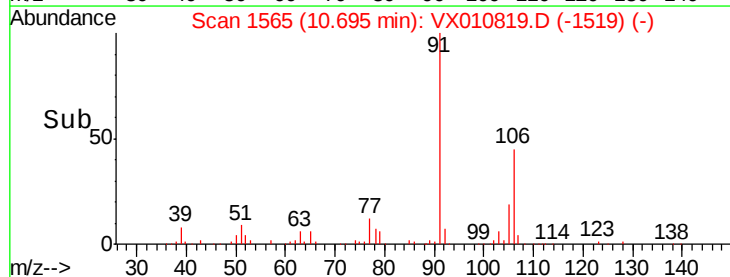
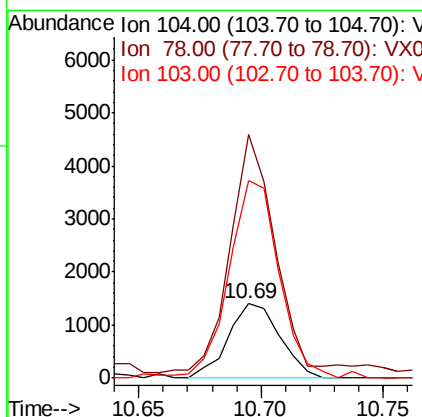
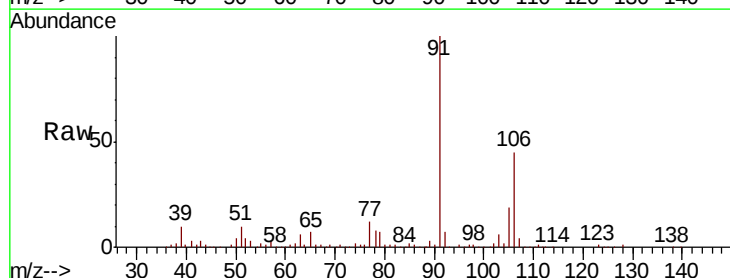
Instrument :
MSVOA_X
ClientSampled :
MW-3

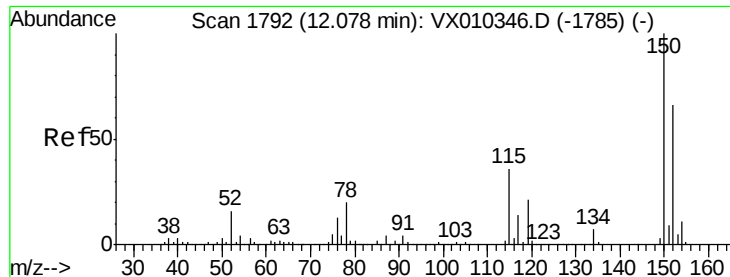
Tot Ion:106 Resp: 38251
Ion Ratio Lower Upper
106 100
91 206.8 102.7 308.1



#70
Styrene
Concen: 0.281 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion:104 Resp: 2057
Ion Ratio Lower Upper
104 100
78 274.5 36.2 54.2#
103 263.5 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: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

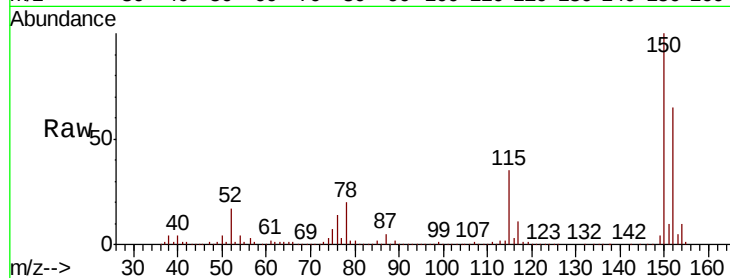
Tot Ion:152 Resp: 169246

Ion Ratio Lower Upper

152 100

115 56.3 38.6 115.7

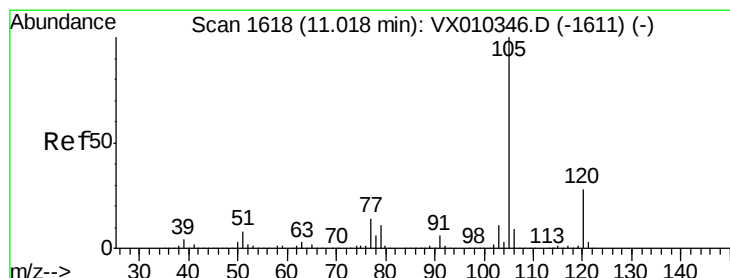
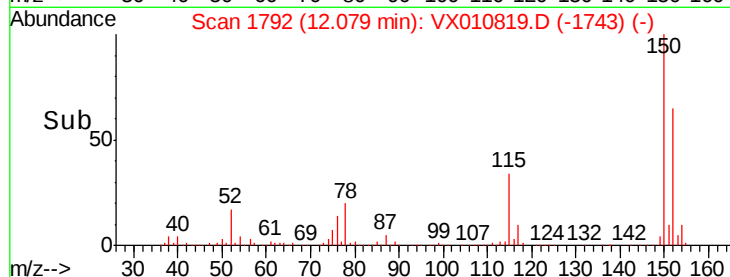
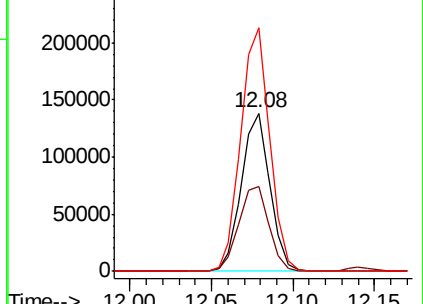
150 156.4 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 85.920 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010819.D

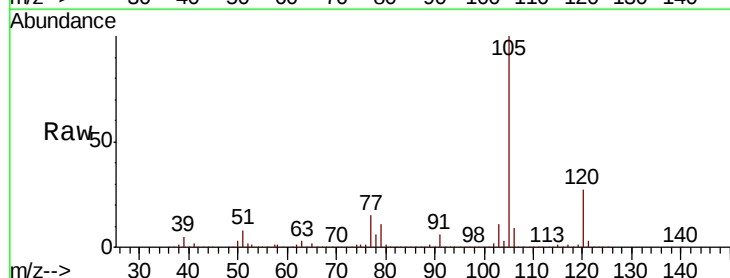
Acq: 11 Jul 2019 19:53

Tgt Ion:105 Resp: 985739

Ion Ratio Lower Upper

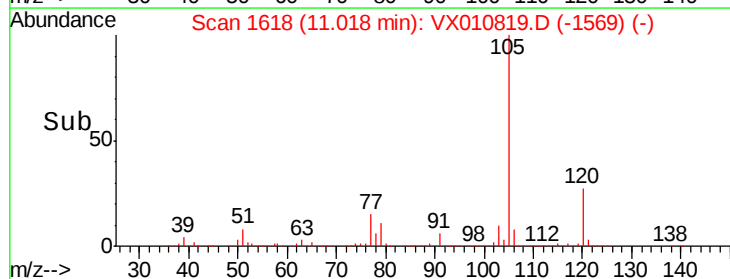
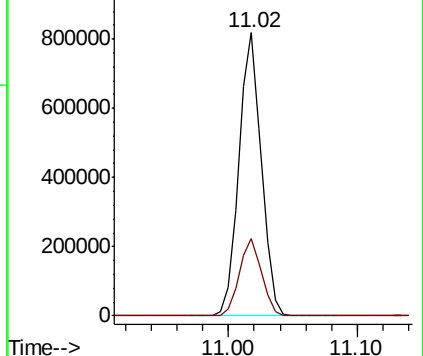
105 100

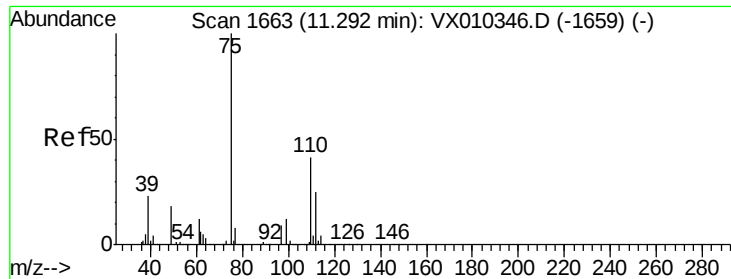
120 27.2 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 1.742 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

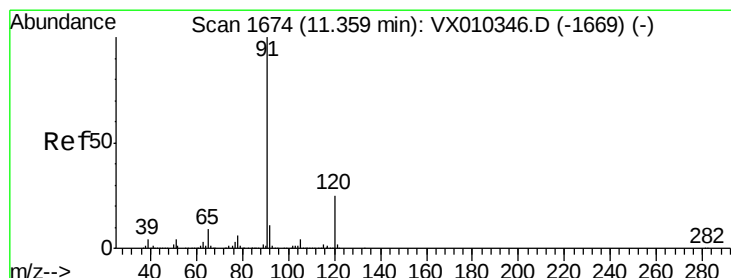
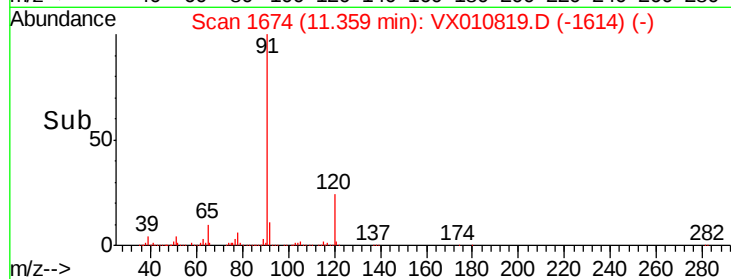
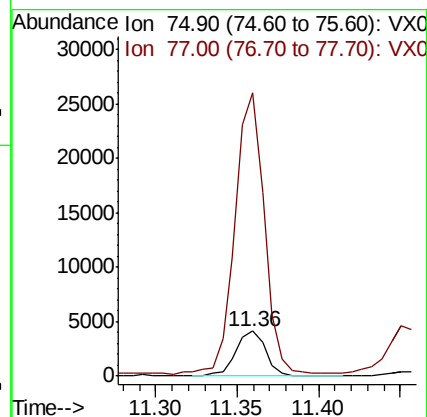
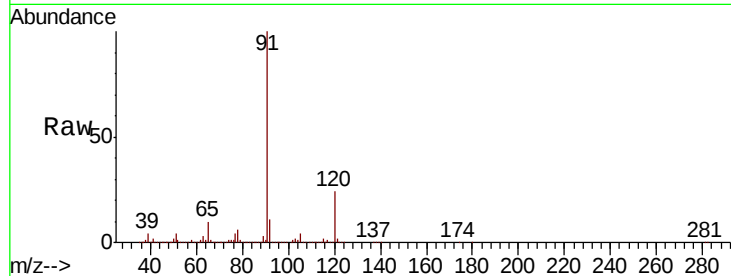
MW-3

Tot Ion: 75 Resp: 5371

Ion Ratio Lower Upper

75 100

77 599.7 22.6 67.8#



#78

n-propylbenzene

Concen: 67.047 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010819.D

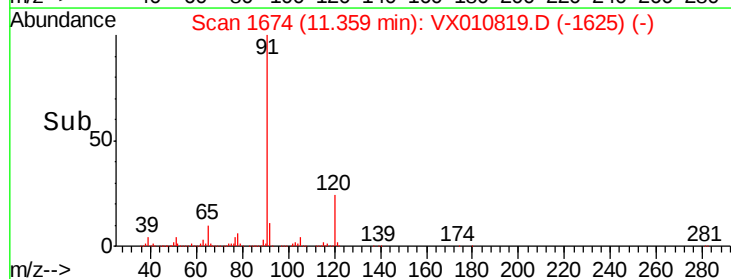
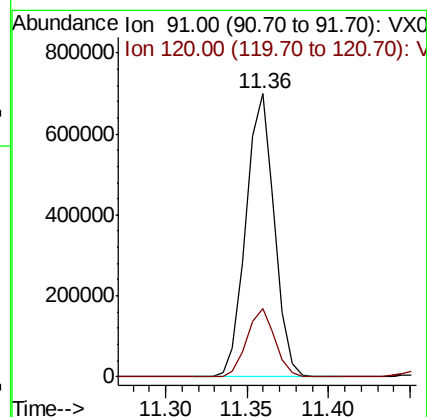
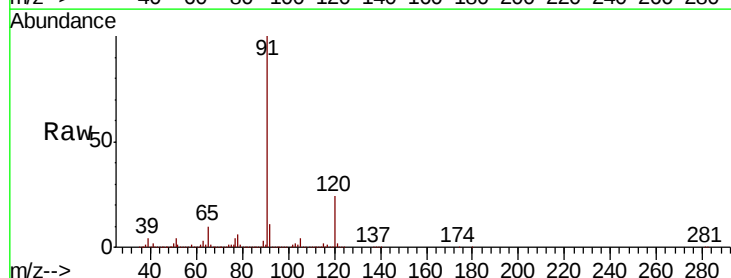
Acq: 11 Jul 2019 19:53

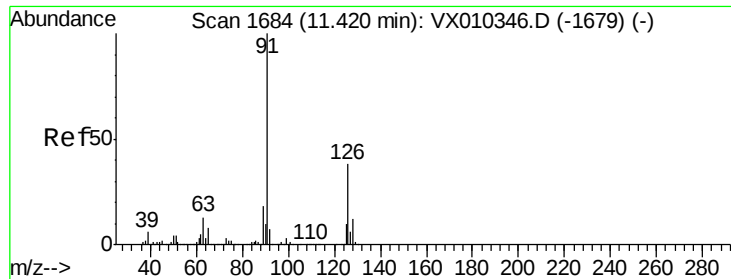
Tgt Ion: 91 Resp: 845401

Ion Ratio Lower Upper

91 100

120 24.0 12.4 37.4





#79

2-Chlorotoluene

Concen: 112.594 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

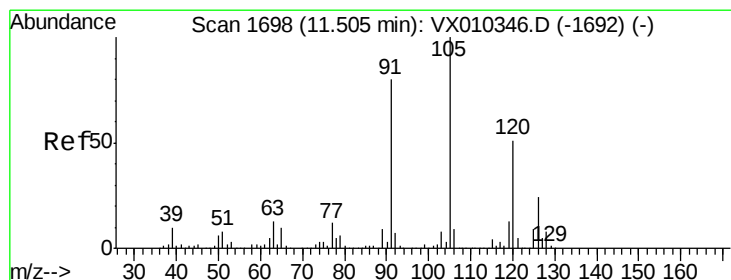
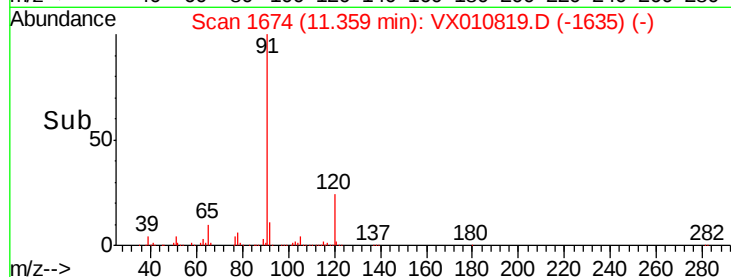
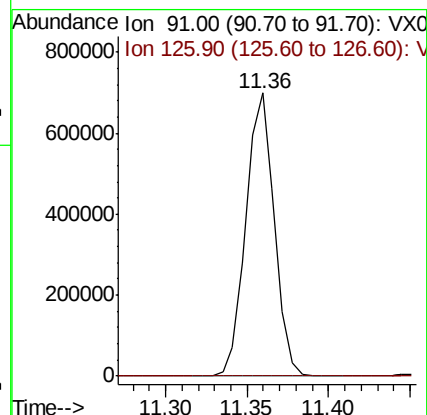
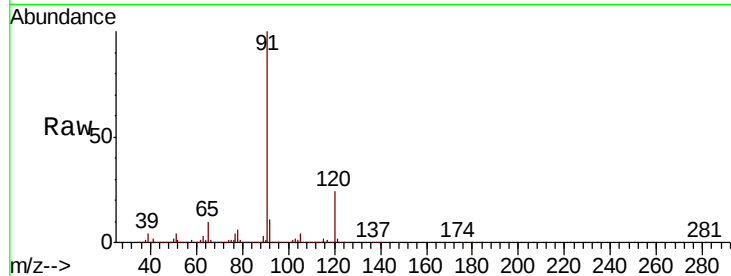
MW-3

Tot Ion: 91 Resp: 845401

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#



#80

1,3,5-Trimethylbenzene

Concen: 21.271 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010819.D

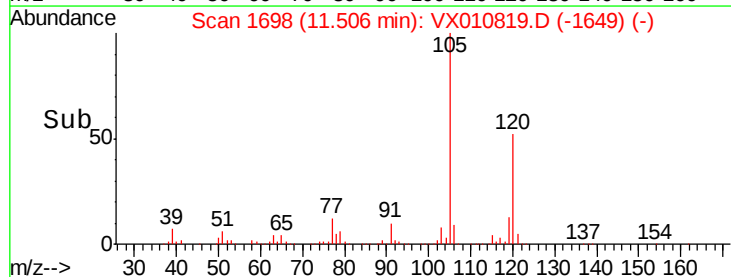
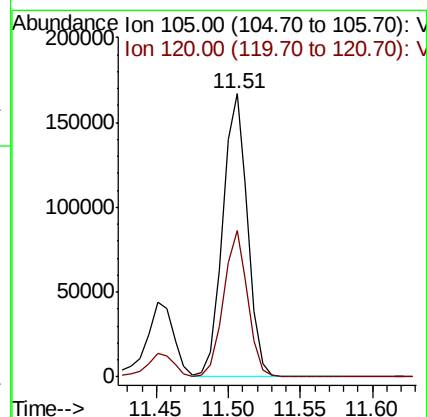
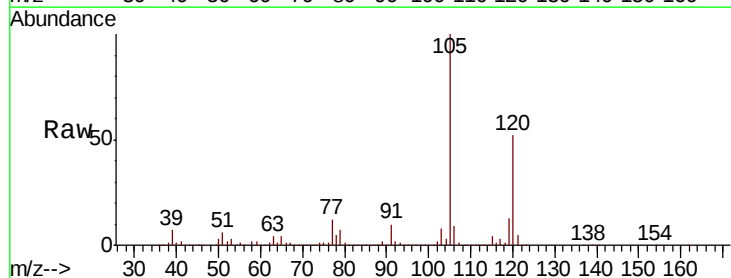
Acq: 11 Jul 2019 19:53

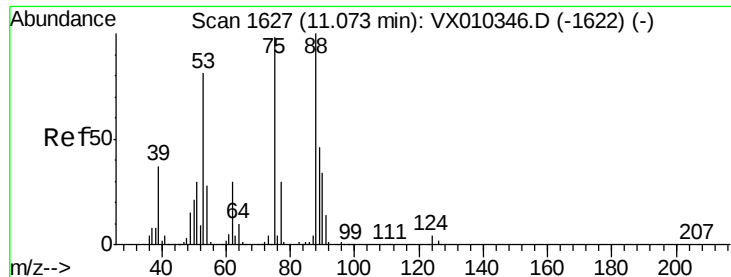
Tgt Ion: 105 Resp: 201179

Ion Ratio Lower Upper

105 100

120 50.2 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 8.468 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

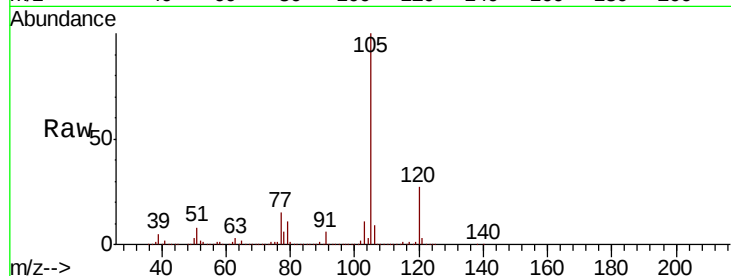
Tot Ion: 75 Resp: 11195

Ion Ratio Lower Upper

75 100

53 101.8 66.1 99.1#

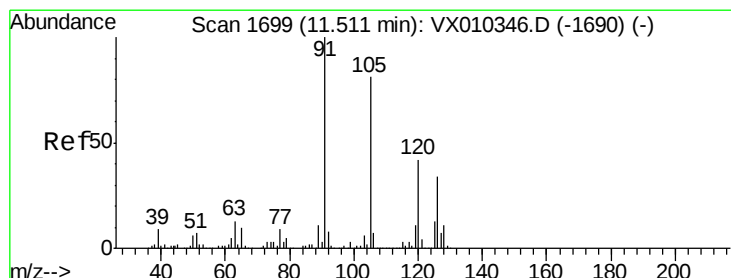
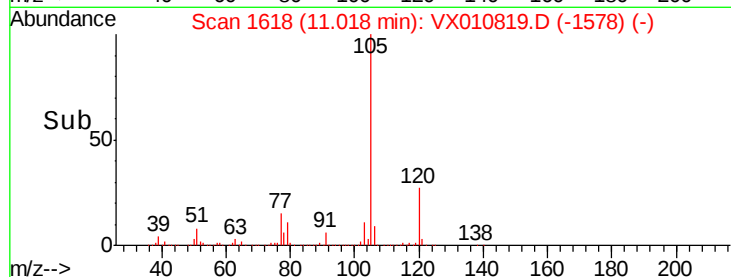
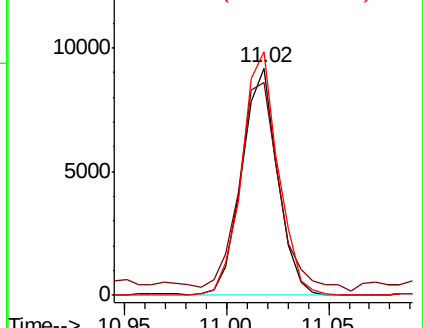
89 108.5 37.8 56.6#



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: 5.320 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. 0.15 min

Lab File: VX010819.D

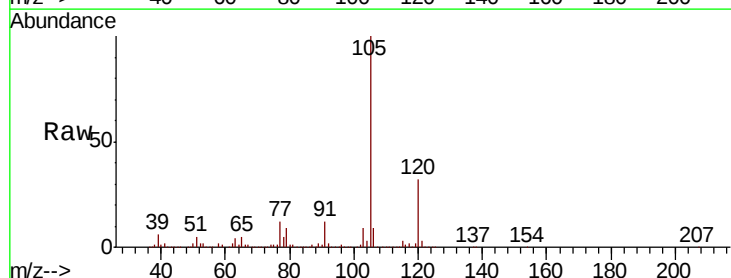
Acq: 11 Jul 2019 19:53

Tgt Ion: 91 Resp: 45453

Ion Ratio Lower Upper

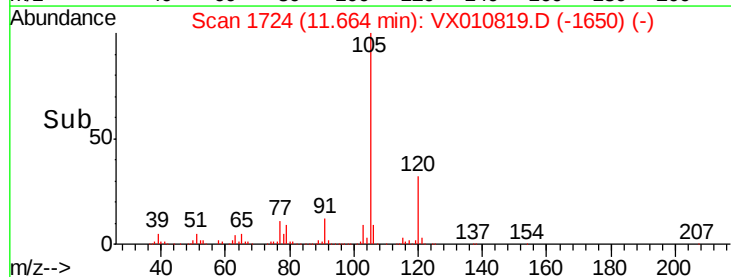
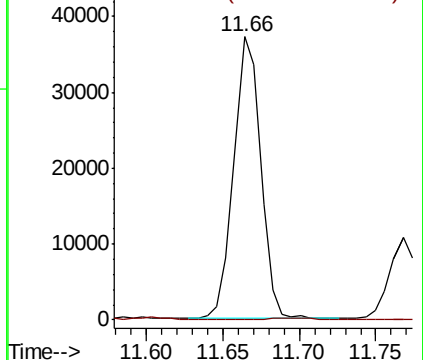
91 100

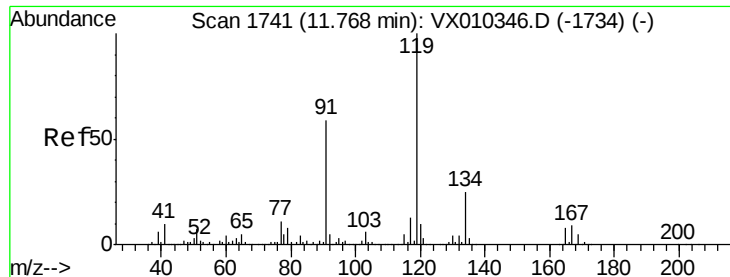
126 0.0 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.138 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

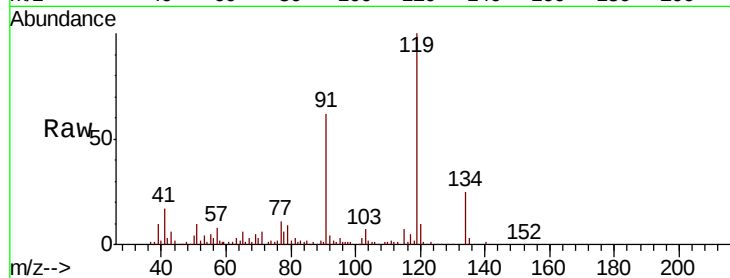
Tot Ion:119 Resp: 20291

Ion Ratio Lower Upper

119 100

91 64.2 27.6 82.7

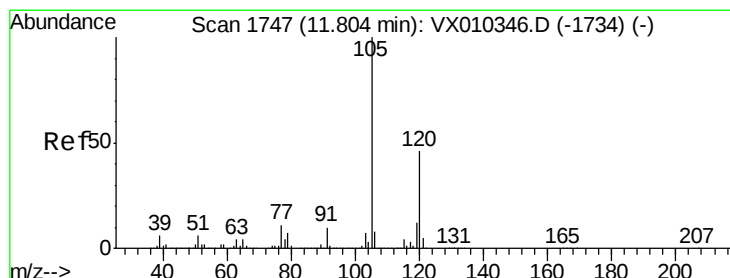
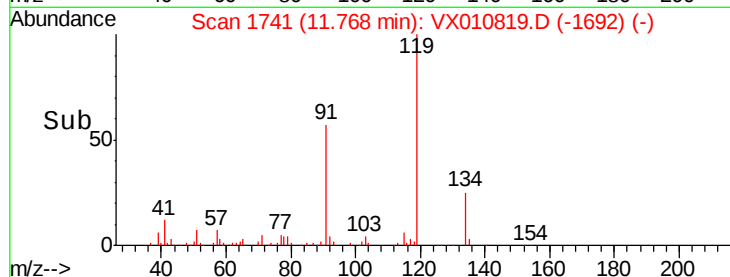
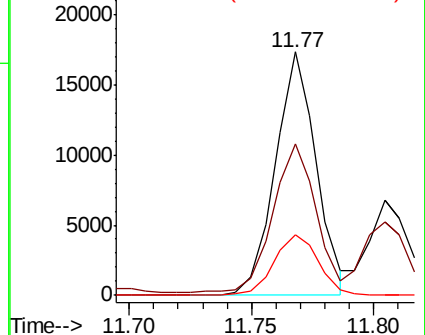
134 26.9 11.8 35.4



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: 6.373 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010819.D

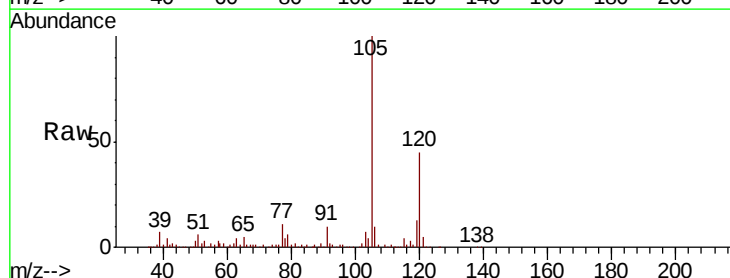
Acq: 11 Jul 2019 19:53

Tgt Ion:105 Resp: 60556

Ion Ratio Lower Upper

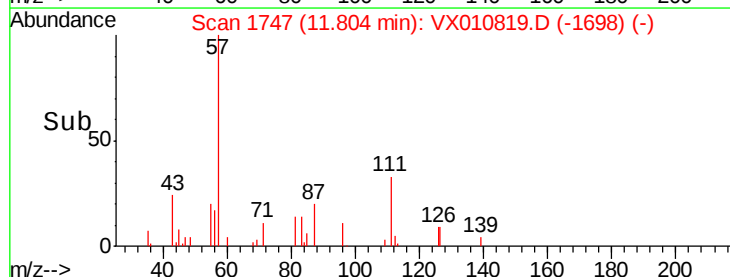
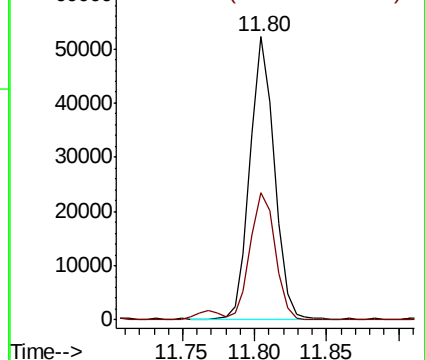
105 100

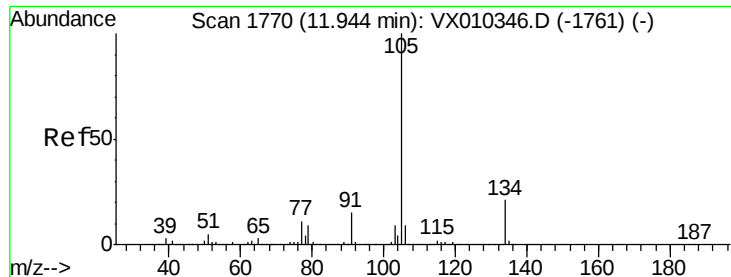
120 46.5 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

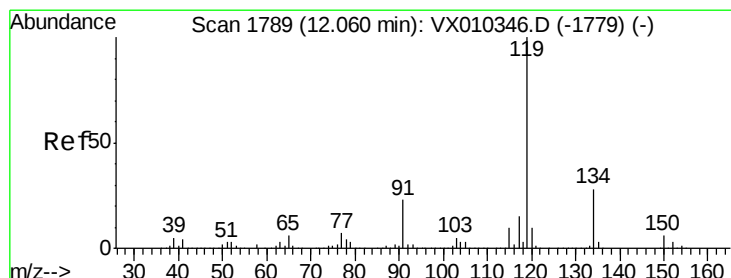
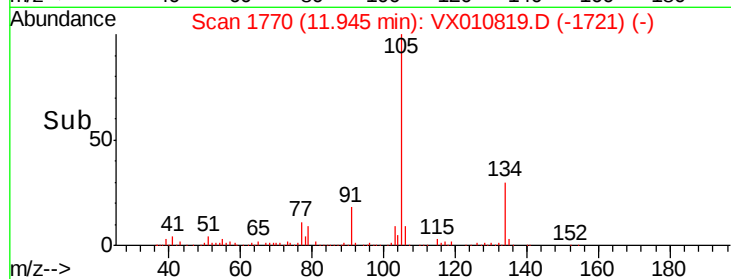
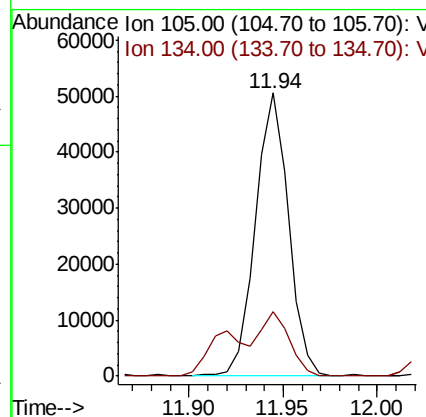
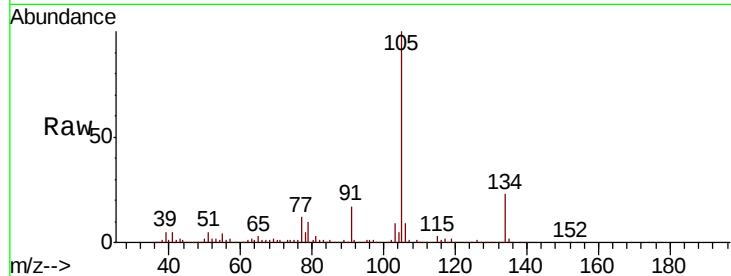




#85
 sec-Butylbenzene
 Concen: 5.472 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010819.D
 Acq: 11 Jul 2019 19:53

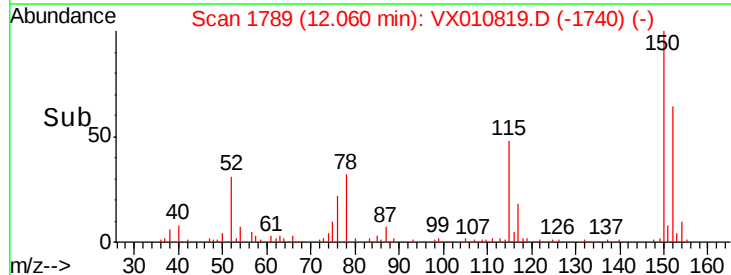
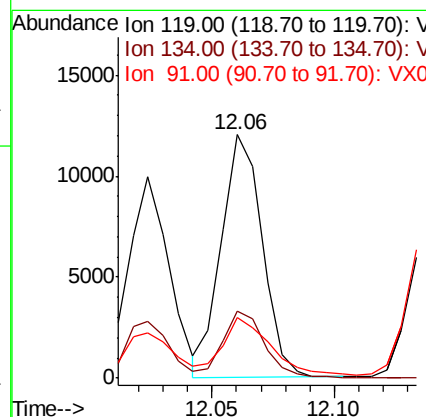
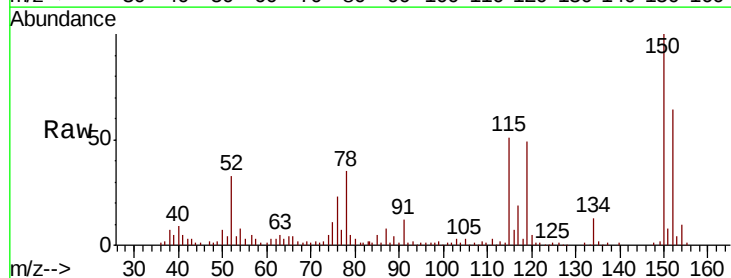
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

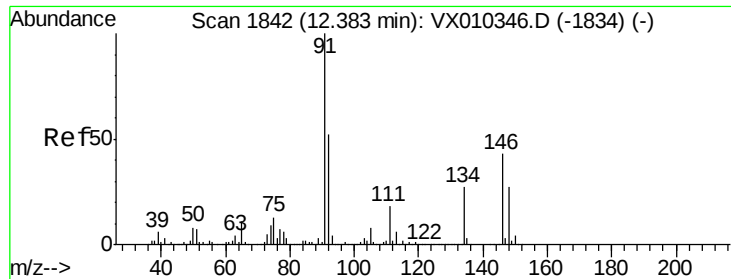
Tot Ion:105 Resp: 60987
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 1.357 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010819.D
 Acq: 11 Jul 2019 19:53

Tgt Ion:119 Resp: 13989
 Ion Ratio Lower Upper
 119 100
 134 28.1 13.7 41.1
 91 0.0 11.3 33.8#

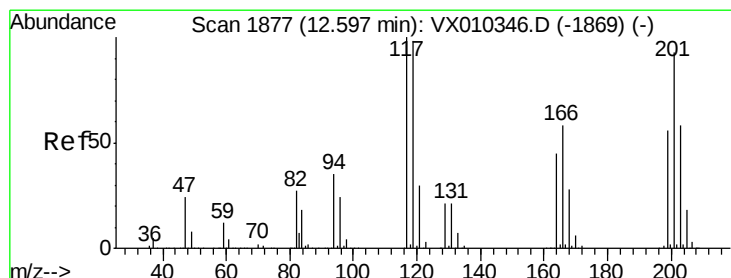
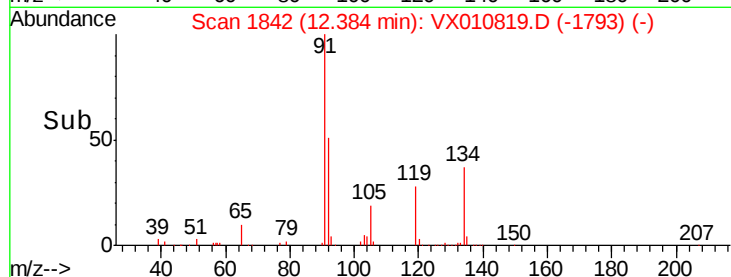
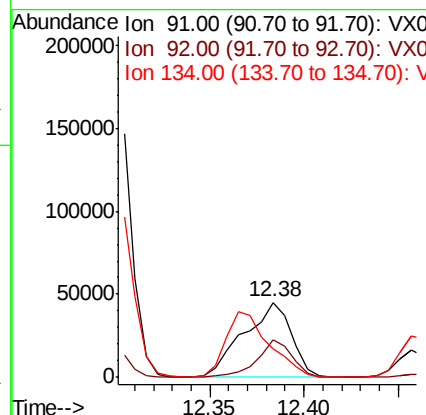
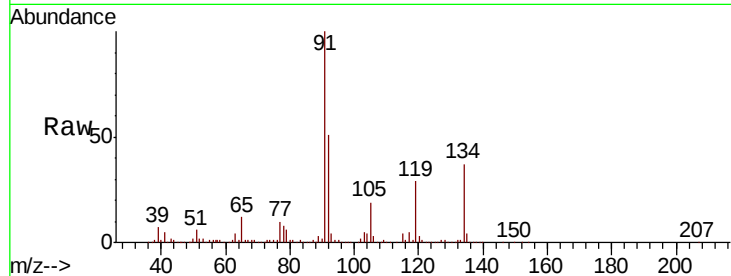




#89
n-Butylbenzene
Concen: 8.997 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

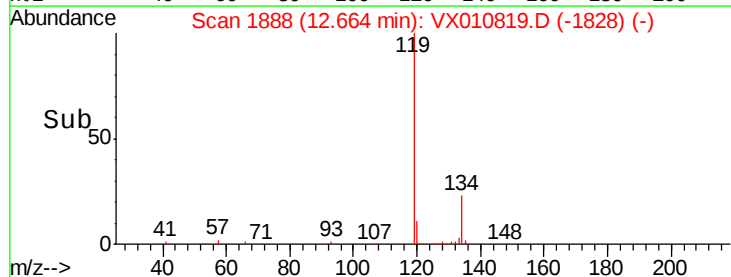
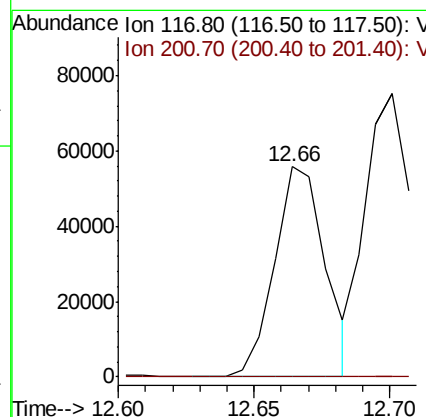
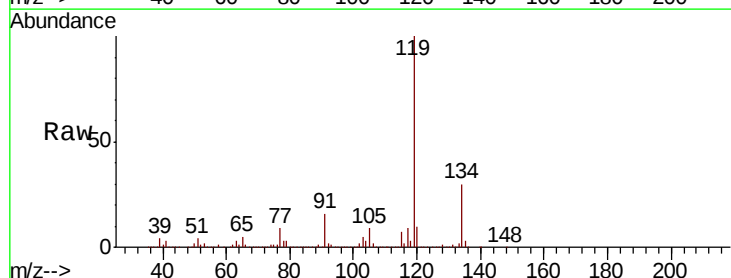
Instrument :
MSVOA_X
ClientSampled :
MW-3

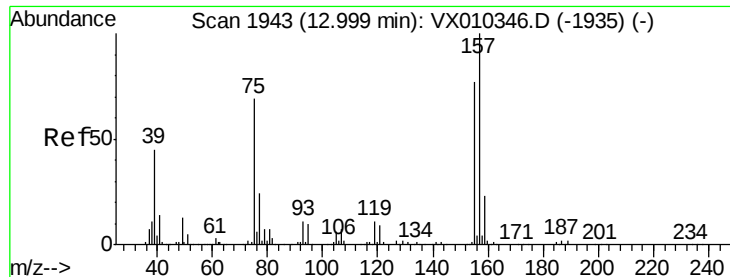
Tot Ion: 91 Resp: 78818
Ion Ratio Lower Upper
91 100
92 37.2 26.2 78.5
134 79.6 14.1 42.4#



#90
Hexachloroethane
Concen: 40.327 ug/l
RT: 12.66 min Scan# 1888
Delta R.T. 0.07 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 117 Resp: 71890
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.381 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

MW-3

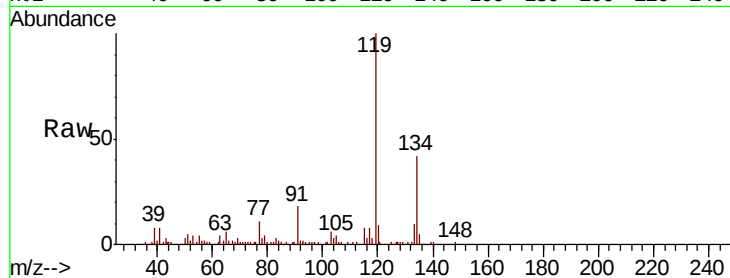
Tot Ion: 75 Resp: 312

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

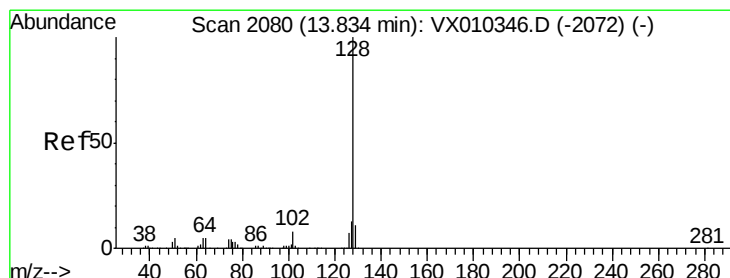
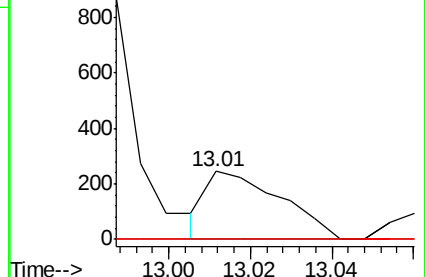
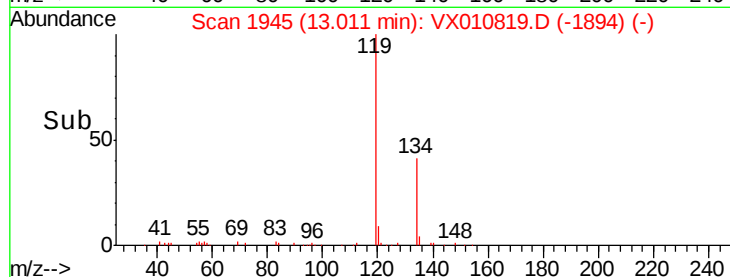
157 0.0 69.5 208.3#



Abundance Ion 74.90 (74.60 to 75.60): VX010819.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX010819.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX010819.D (-1894) (-)



#95

Naphthalene

Concen: 24.572 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

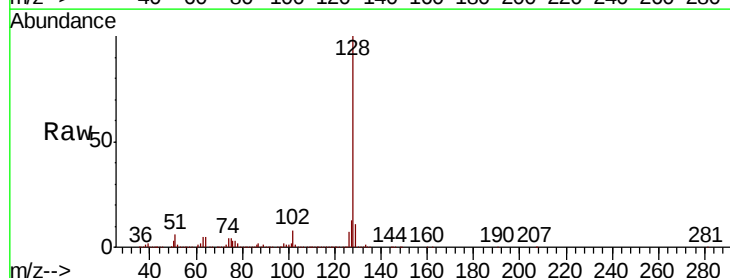
Tgt Ion:128 Resp: 291038

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

129 11.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX010819.D (-2031) (-)

Ion 127.00 (126.70 to 127.70): VX010819.D (-2031) (-)

Ion 129.00 (128.70 to 129.70): VX010819.D (-2031) (-)

