

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010816.D
 Acq On : 11 Jul 2019 18:44
 Operator : JC/SP
 Sample : K3749-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Jul 12 06:57:04 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	5.66	168	215751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143991	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	110086	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	
35) Dibromofluoromethane	5.50	113	103572	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	8.71	98	403605	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.13	95	137429	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

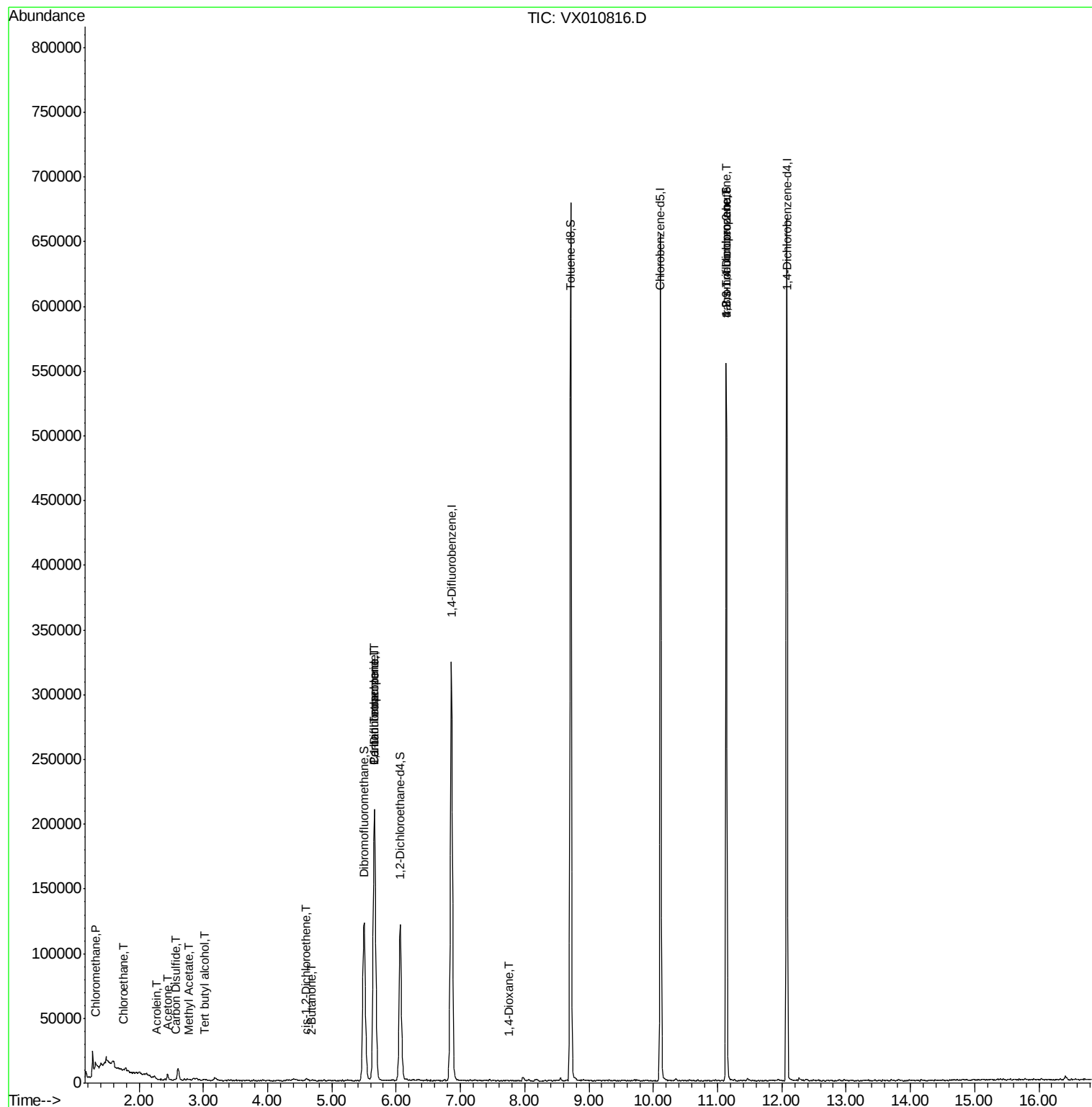
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	688	0.394	ug/l	93
6) Chloroethane	1.76	64	456	0.404	ug/l #	58
11) Tert butyl alcohol	3.03	59	866	1.636	ug/l #	89
13) Acrolein	2.28	56	255	0.726	ug/l #	7
16) Acetone	2.45	43	4965	4.897	ug/l	95
17) Carbon Disulfide	2.57	76	1160	0.231	ug/l #	82
18) Methyl Acetate	2.77	43	416	0.206	ug/l #	77
25) 2-Butanone	4.67	43	430	0.289	ug/l #	46
27) cis-1,2-Dichloroethene	4.59	96	791	0.340	ug/l	89
36) 1,1-Dichloropropene	5.67	75	14438	5.368	ug/l #	47
38) Carbon Tetrachloride	5.66	117	19810	6.802	ug/l #	15
49) 1,4-Dioxane	7.76	88	23	0.375	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	67481	25.718	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	67481	59.997	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

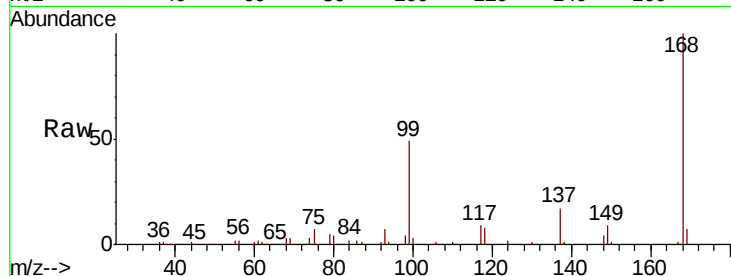
MW-1

Tot Ion:168 Resp: 215751

Ion Ratio Lower Upper

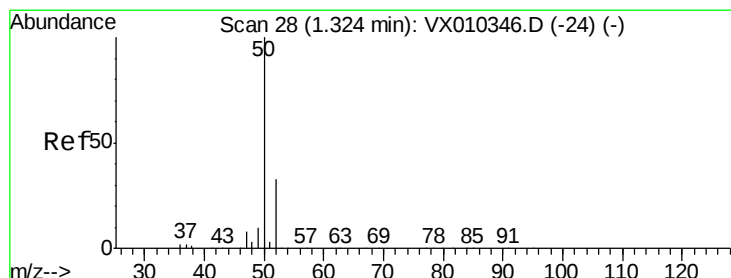
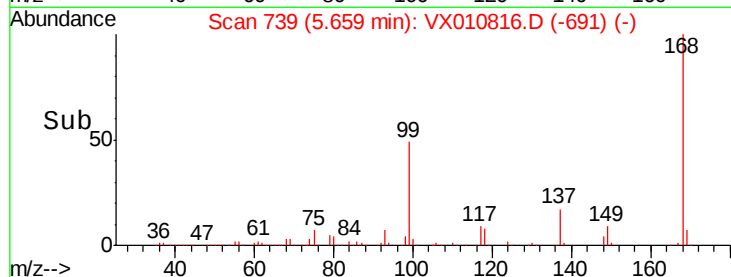
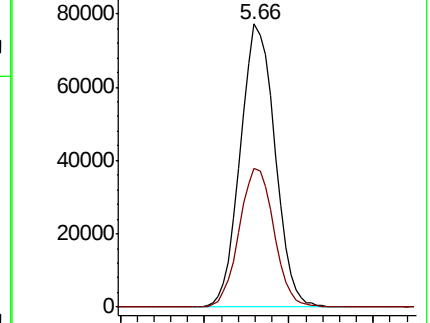
168 100

99 49.0 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: 0.394 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010816.D

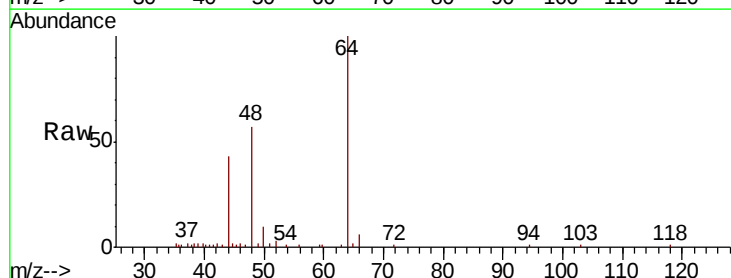
Acq: 11 Jul 2019 18:44

Tgt Ion: 50 Resp: 688

Ion Ratio Lower Upper

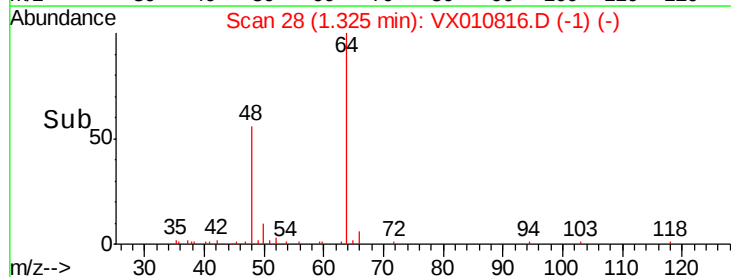
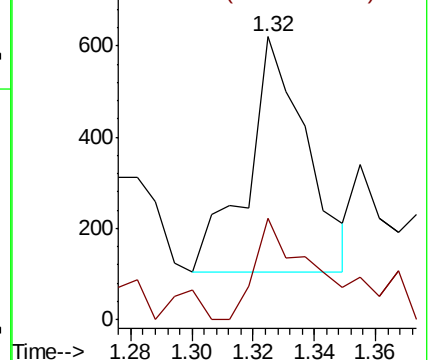
50 100

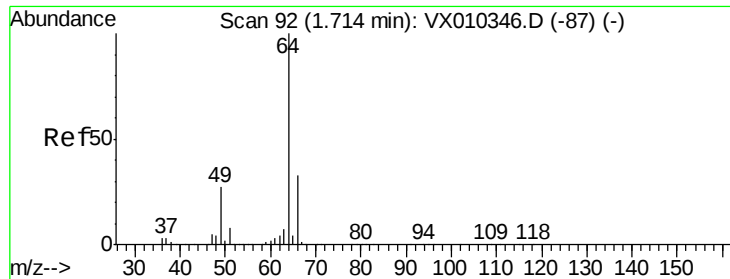
52 29.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.404 ug/l

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

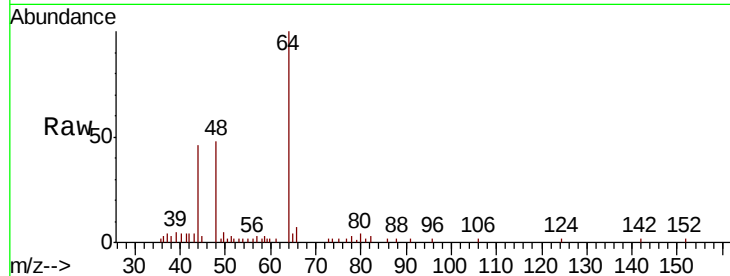
MW-1

Tot Ion: 64 Resp: 456

Ion Ratio Lower Upper

64 100

66 9.3 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.76

3000

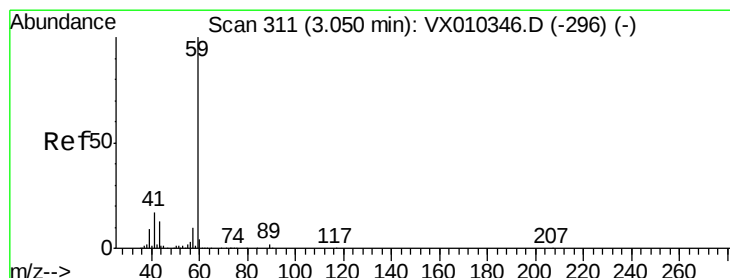
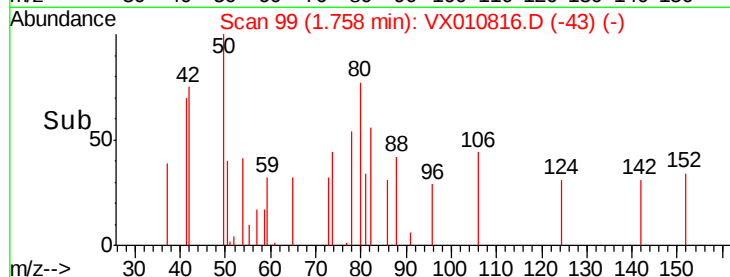
2000

1000

0

1.74 1.75 1.76 1.77

Time-->



#11

Tert butyl alcohol

Concen: 1.636 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010816.D

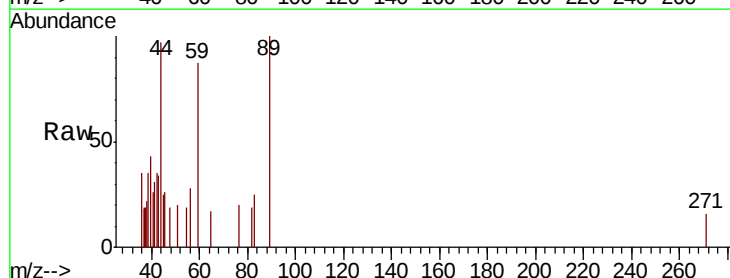
Acq: 11 Jul 2019 18:44

Tgt Ion: 59 Resp: 866

Ion Ratio Lower Upper

59 100

57 5.4 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

300

250

200

150

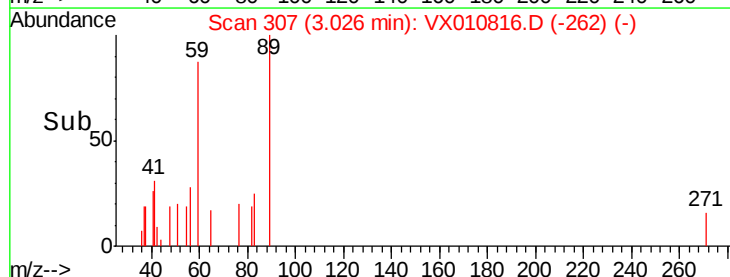
100

50

0

2.95 3.00 3.05 3.10

Time-->





#13

Acrolein

Concen: 0.726 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

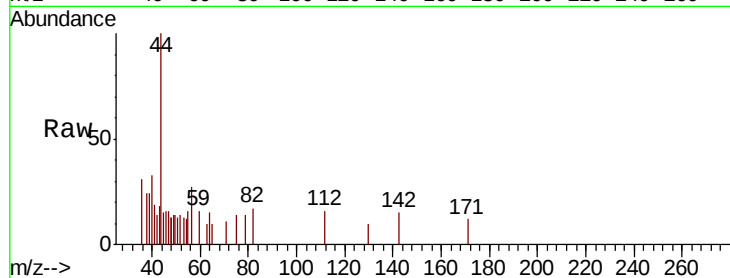
MW-1

Tot Ion: 56 Resp: 255

Ion Ratio Lower Upper

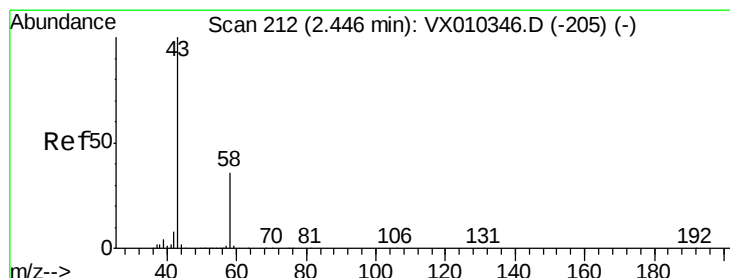
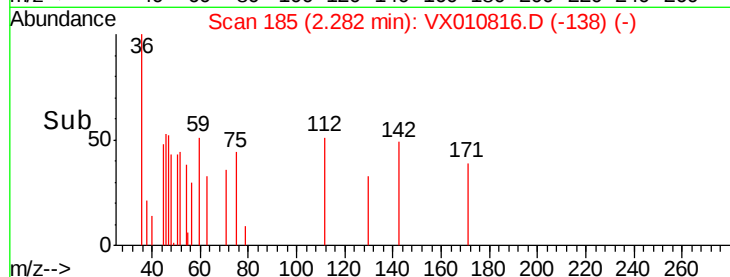
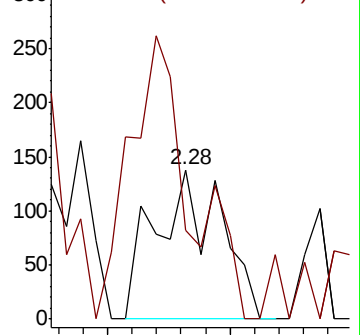
56 100

55 148.2 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.897 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010816.D

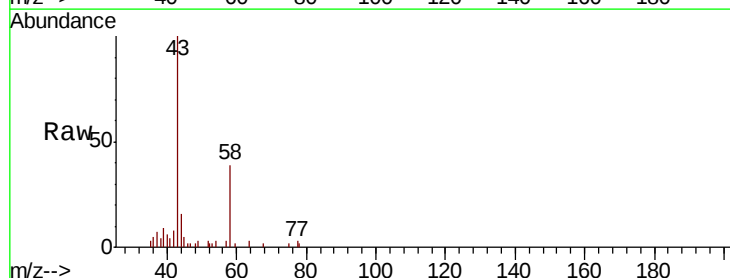
Acq: 11 Jul 2019 18:44

Tgt Ion: 43 Resp: 4965

Ion Ratio Lower Upper

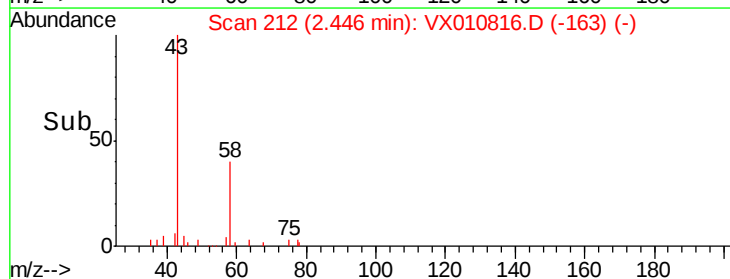
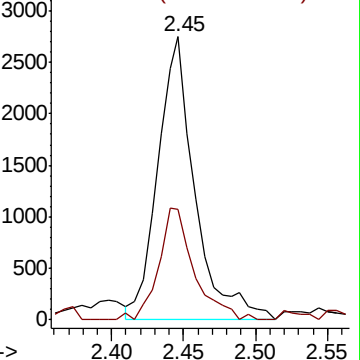
43 100

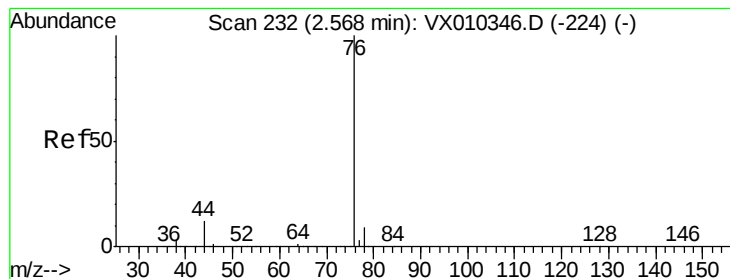
58 39.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.231 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

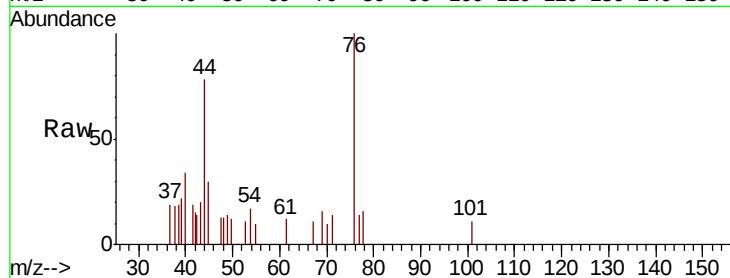
MW-1

Tot Ion: 76 Resp: 1160

Ion Ratio Lower Upper

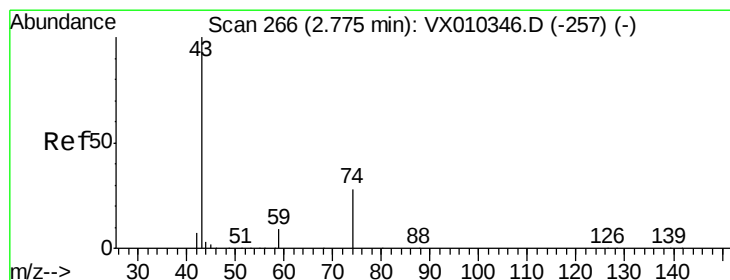
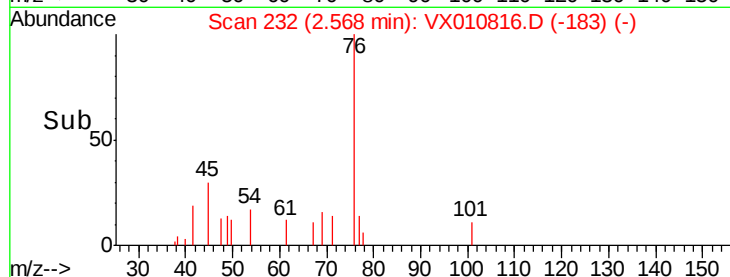
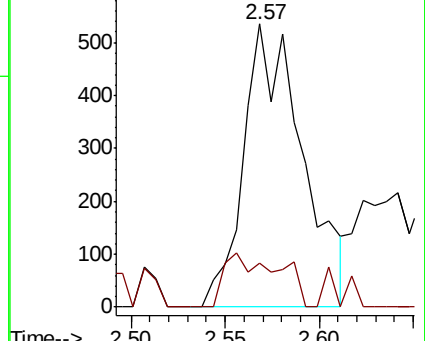
76 100

78 15.7 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: 0.206 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010816.D

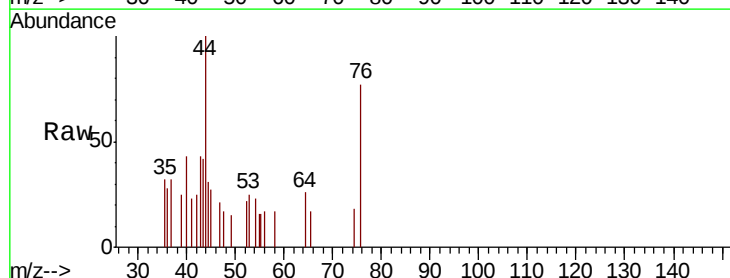
Acq: 11 Jul 2019 18:44

Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

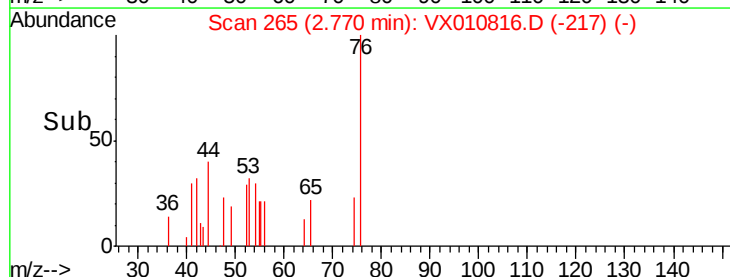
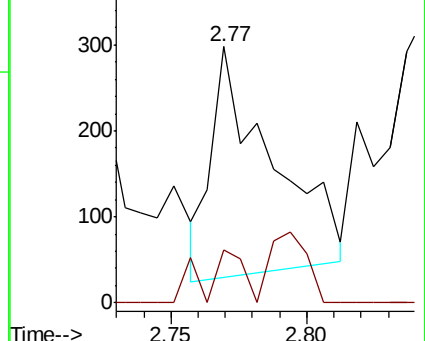
43 100

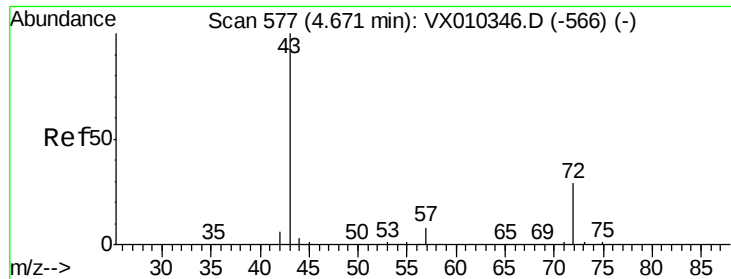
74 14.7 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.289 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

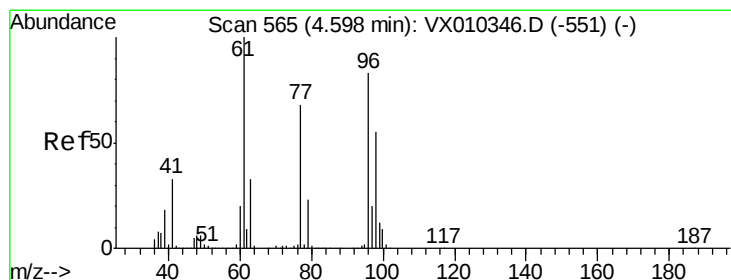
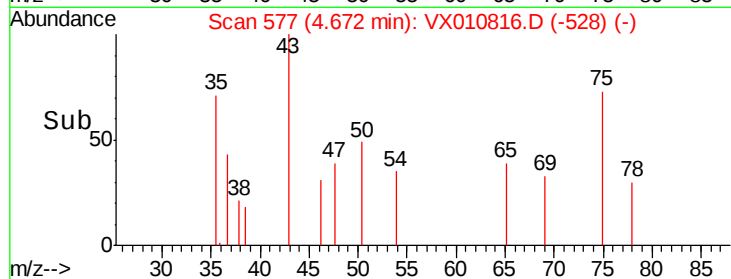
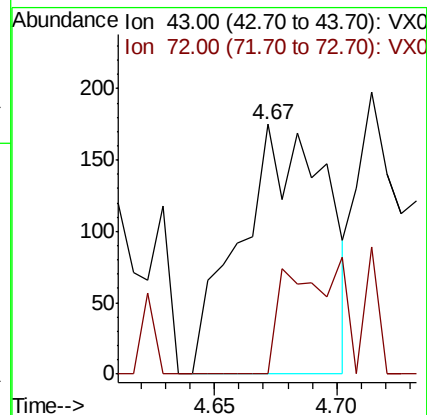
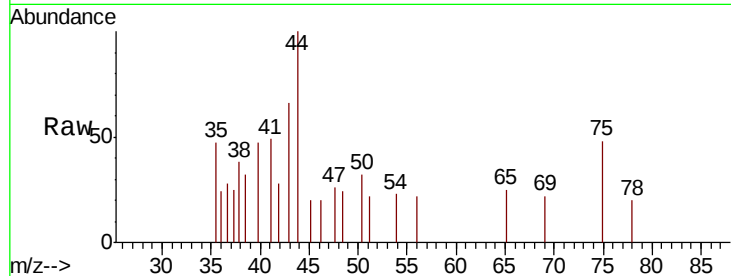
MW-1

Tot Ion: 43 Resp: 430

Ion Ratio Lower Upper

43 100

72 0.0 23.3 34.9#



#27

cis-1,2-Dichloroethene

Concen: 0.340 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

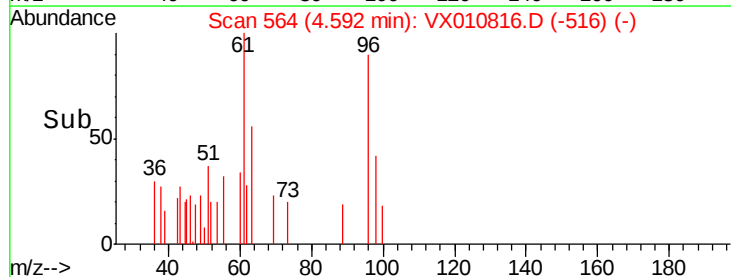
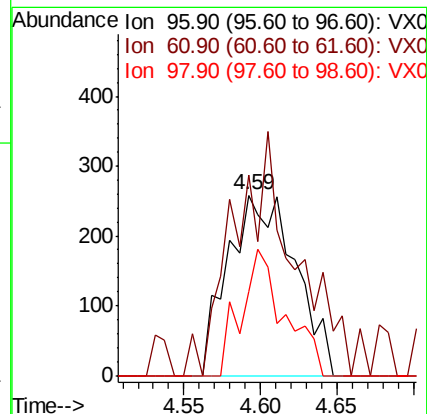
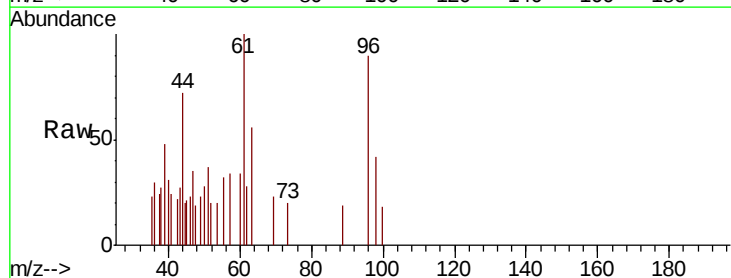
Tgt Ion: 96 Resp: 791

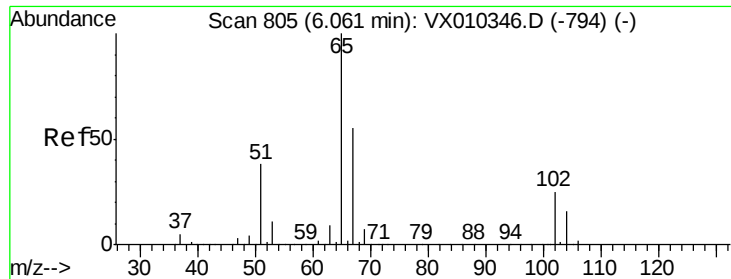
Ion Ratio Lower Upper

96 100

61 122.5 0.0 251.8

98 44.8 0.0 129.4





#33

1,2-Dichloroethane-d4

Concen: 54.420 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

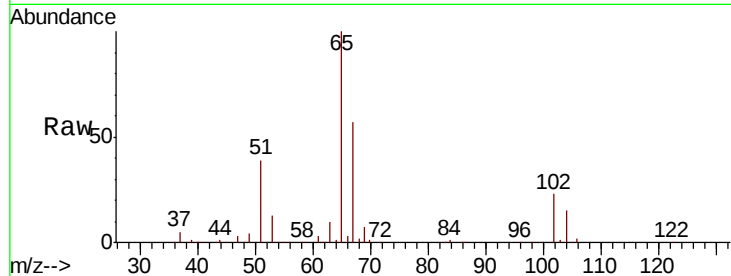
MW-1

Tot Ion: 65 Resp: 110086

Ion Ratio Lower Upper

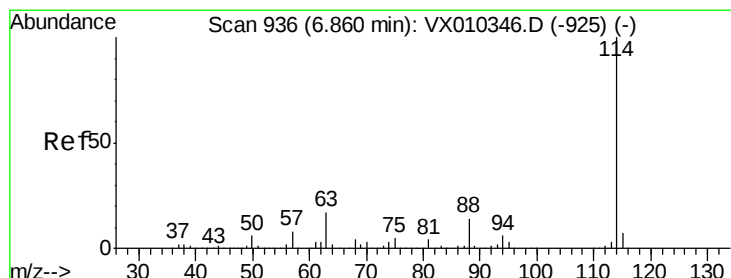
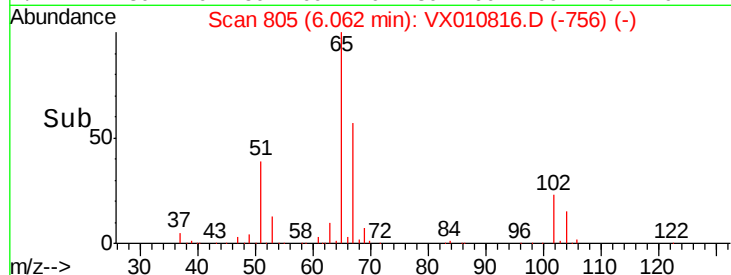
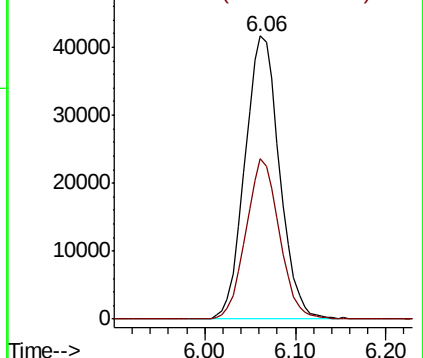
65 100

67 54.7 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

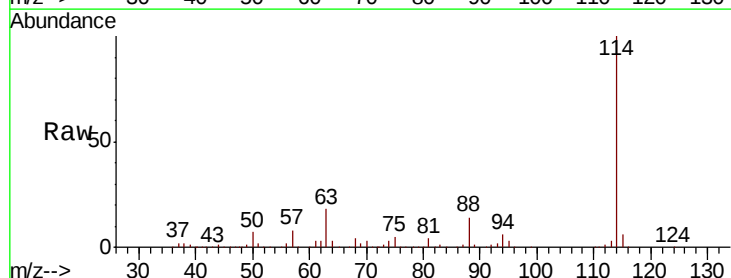
Tgt Ion: 114 Resp: 338441

Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.8

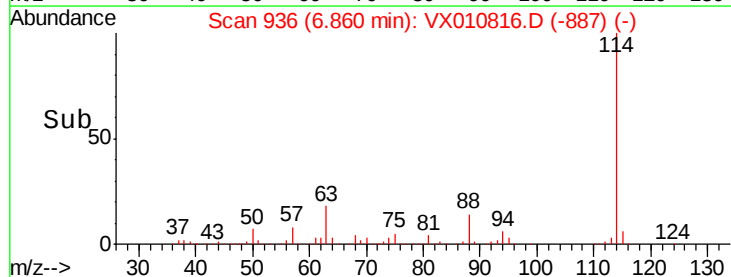
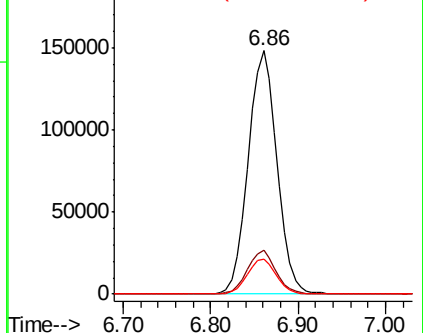
88 14.1 0.0 27.6

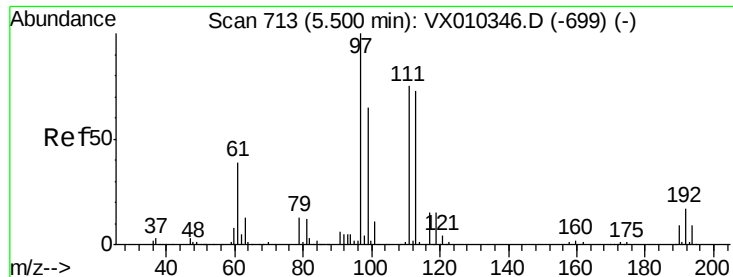


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.018 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

MW-1

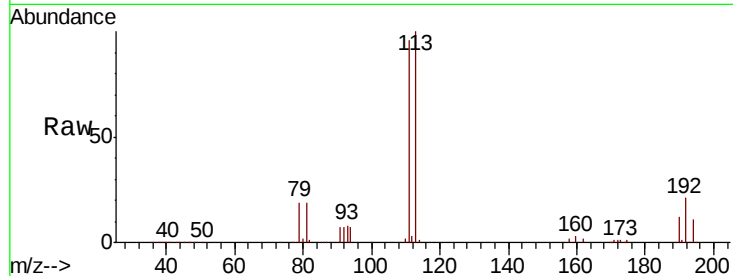
Tot Ion:113 Resp: 103572

Ion Ratio Lower Upper

113 100

111 101.8 81.2 121.8

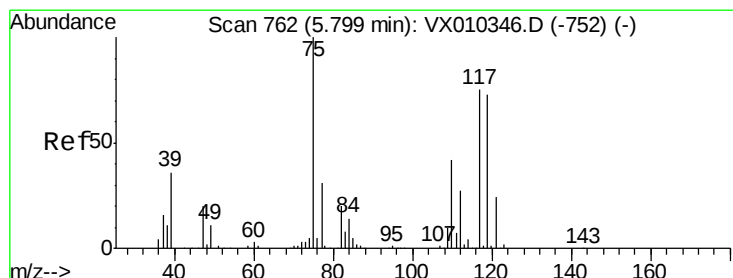
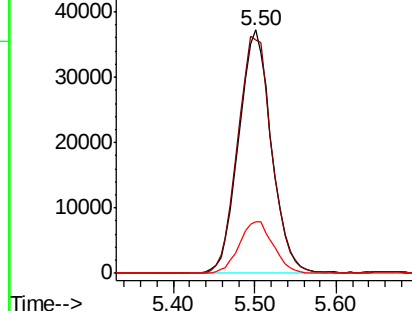
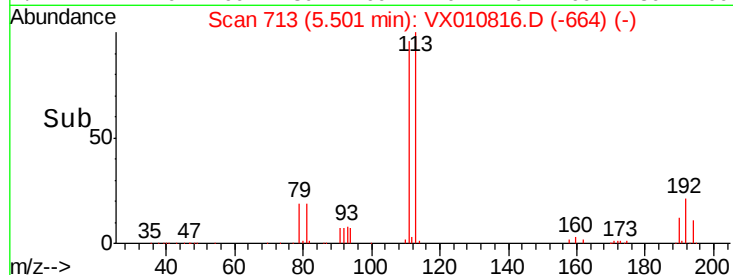
192 22.0 18.6 27.8



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: 5.368 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

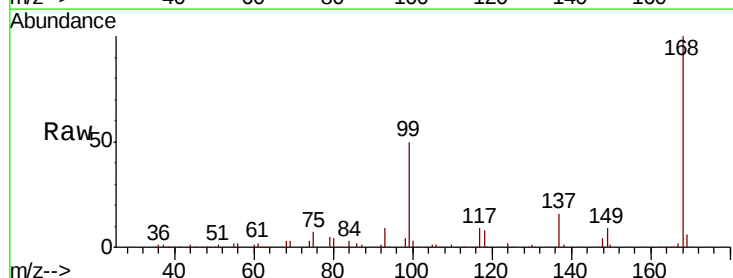
Tgt Ion: 75 Resp: 14438

Ion Ratio Lower Upper

75 100

110 9.8 20.8 62.2#

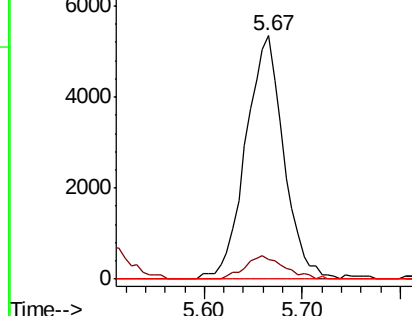
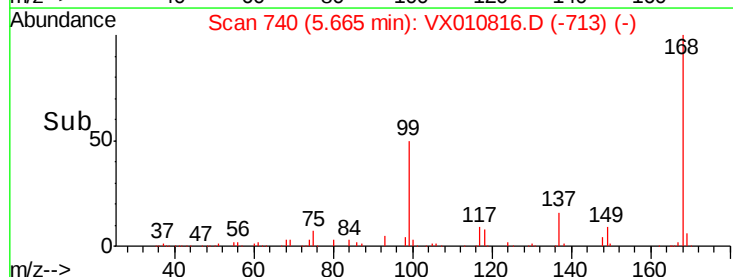
77 0.0 25.4 38.0#

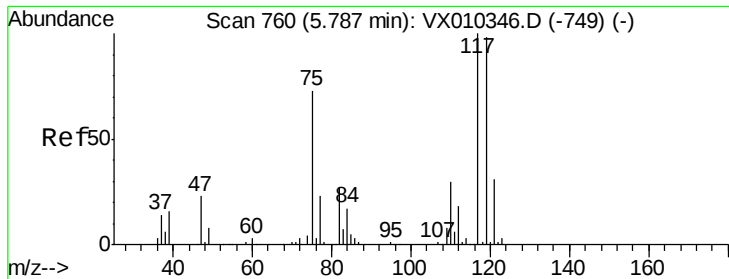


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.802 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

MW-1

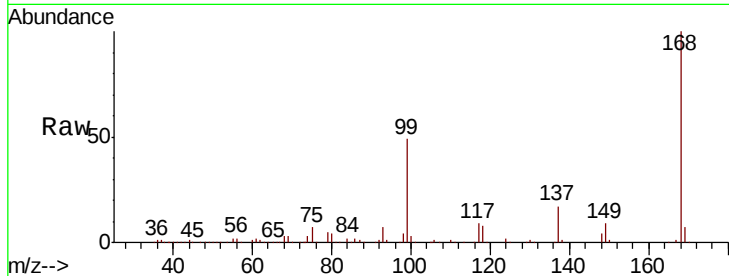
Tot Ion:117 Resp: 19810

Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.4#

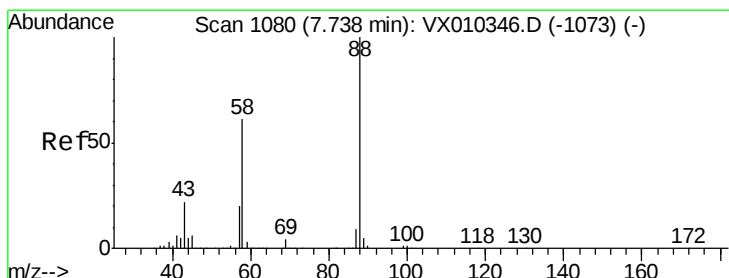
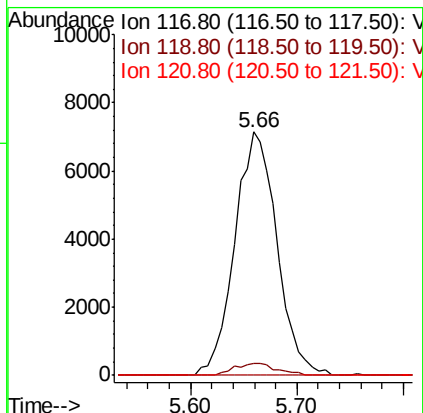
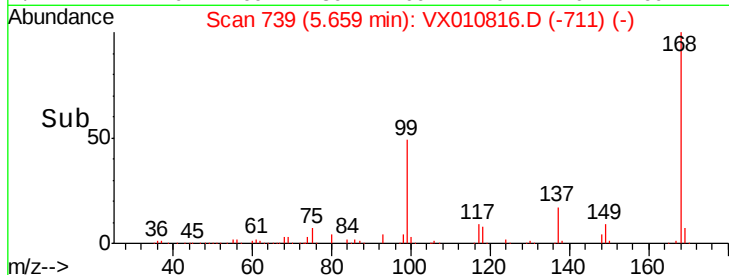
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.375 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

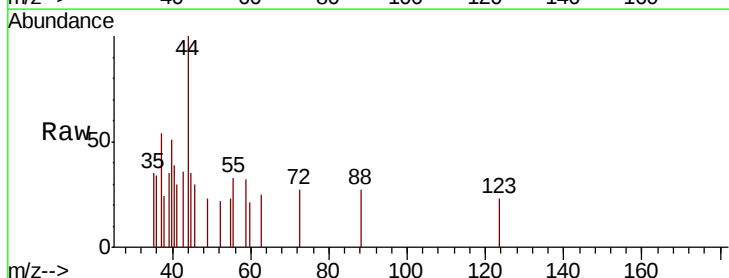
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 339.1 20.2 30.2#

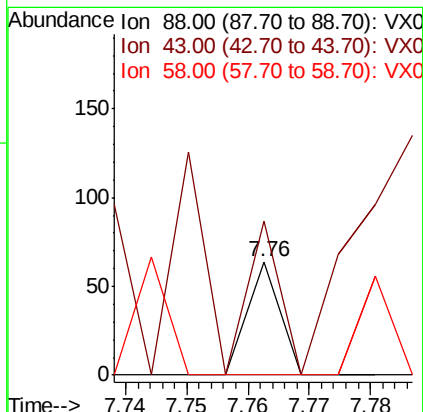
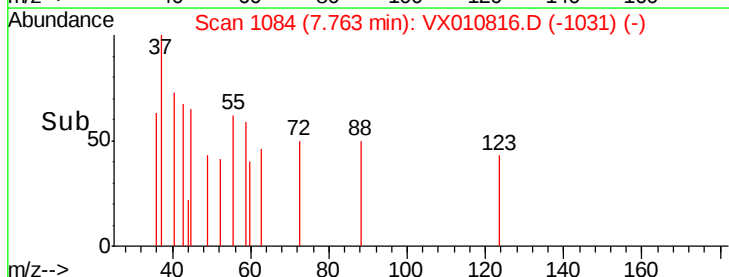
58 108.7 49.5 74.3#

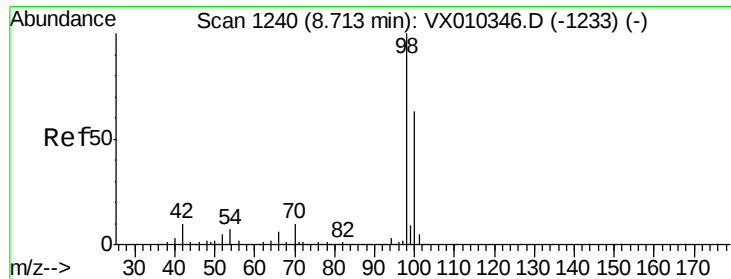


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

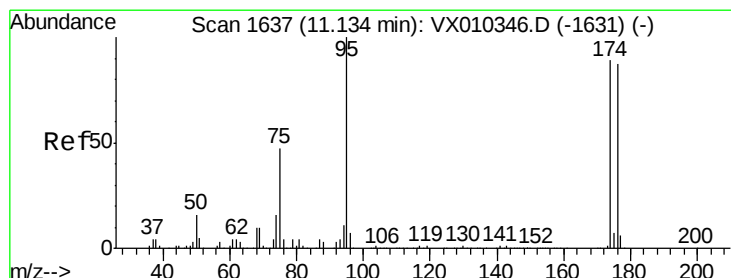
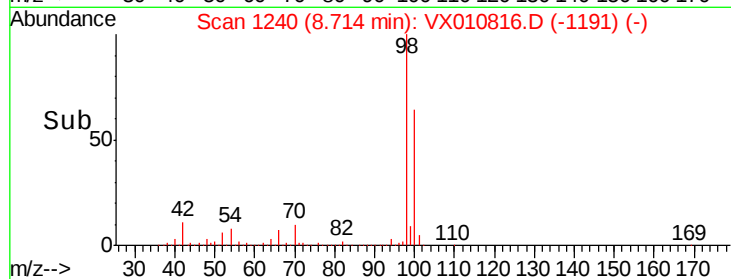
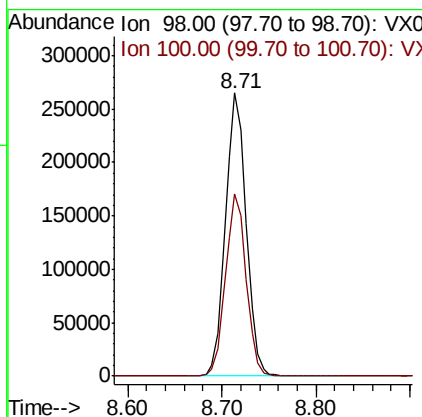
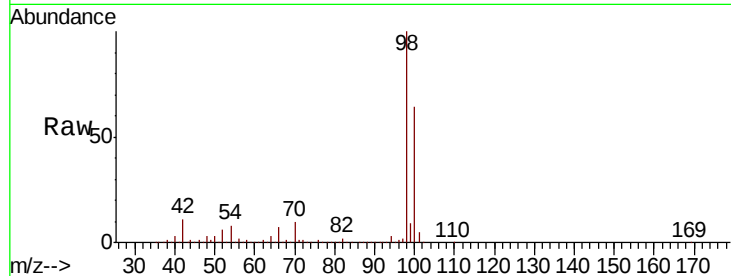




#50
Toluene-d8
Concen: 50.947 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010816.D
Acq: 11 Jul 2019 18:44

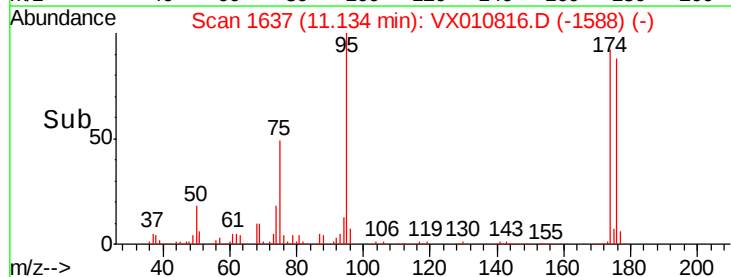
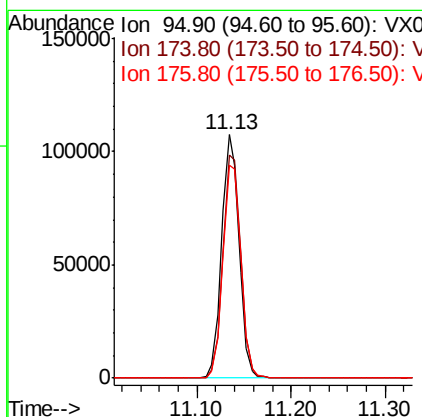
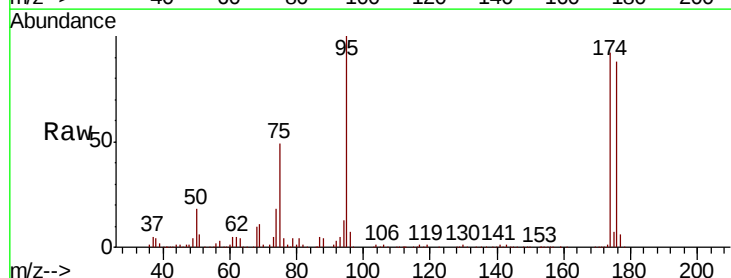
Instrument :
MSVOA_X
ClientSampleId :
MW-1

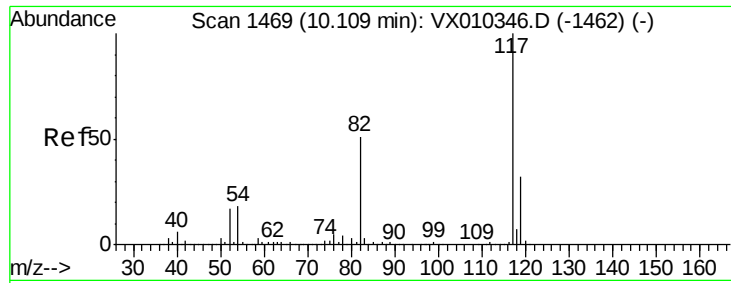
Tot Ion: 98 Resp: 403605
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 48.050 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010816.D
Acq: 11 Jul 2019 18:44

Tgt Ion: 95 Resp: 137429
Ion Ratio Lower Upper
95 100
174 94.1 0.0 187.6
176 90.8 0.0 184.0

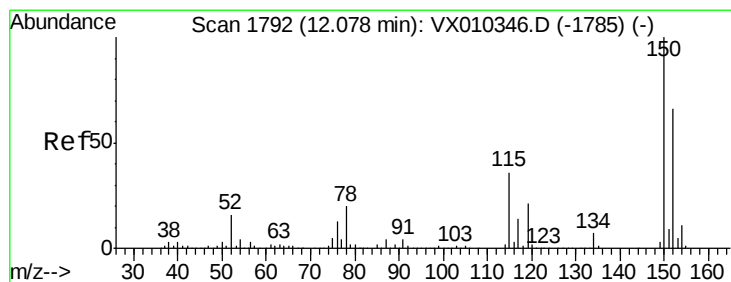
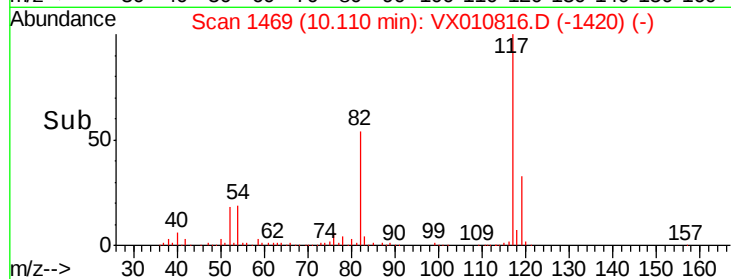
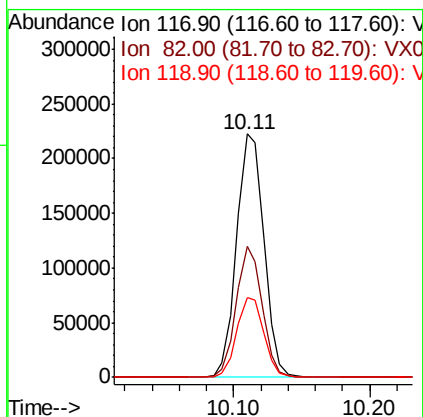
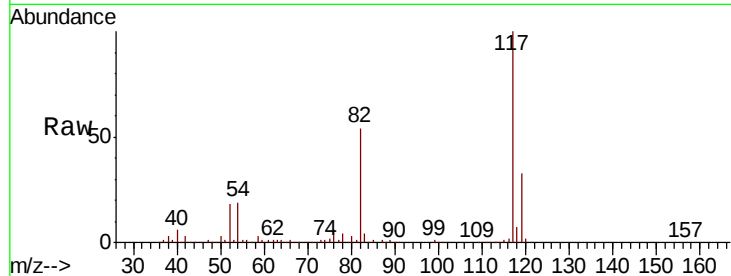




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010816.D
Acq: 11 Jul 2019 18:44

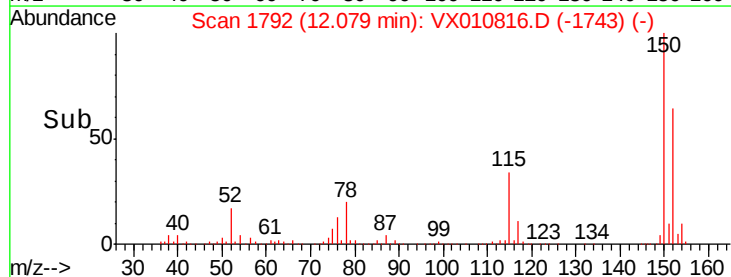
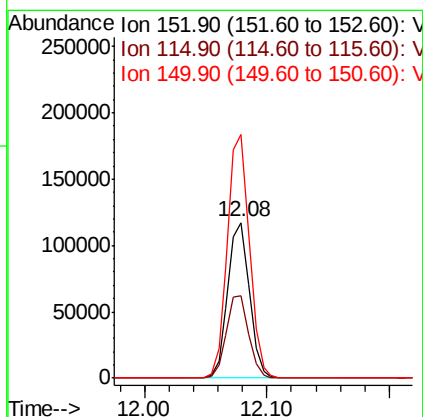
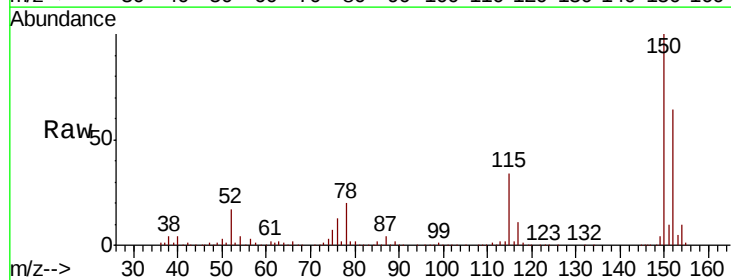
Instrument :
MSVOA_X
ClientSampled :
MW-1

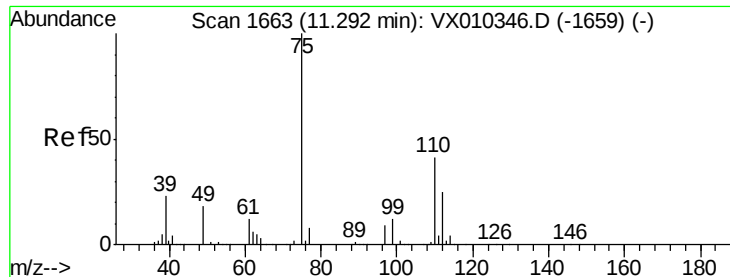
Tot Ion:117 Resp: 312354
Ion Ratio Lower Upper
117 100
82 53.6 41.2 61.8
119 32.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010816.D
Acq: 11 Jul 2019 18:44

Tgt Ion:152 Resp: 143991
Ion Ratio Lower Upper
152 100
115 54.4 38.6 115.7
150 157.8 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.718 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

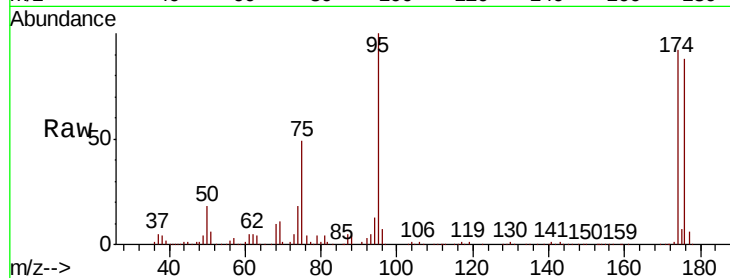
MW-1

Tot Ion: 75 Resp: 67481

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

60000

50000

40000

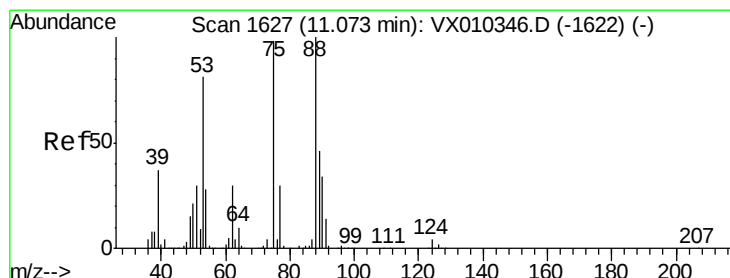
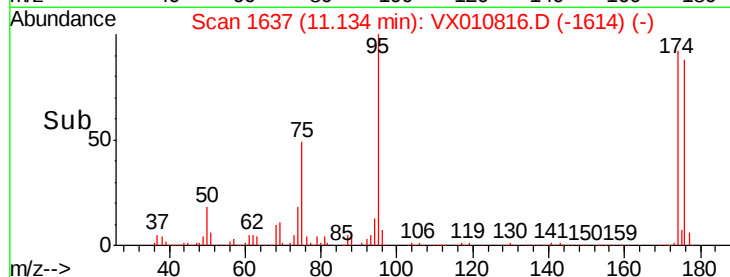
30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 59.997 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010816.D

Acq: 11 Jul 2019 18:44

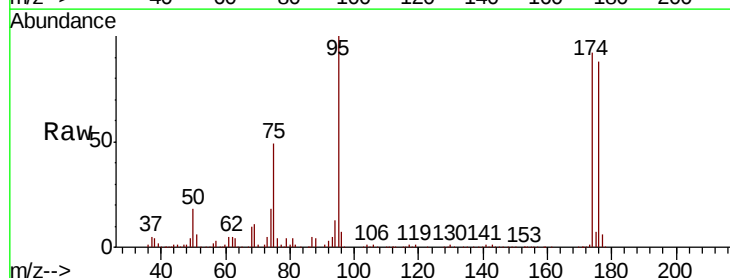
Tgt Ion: 75 Resp: 67481

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 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

60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20

