

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120518\
 Data File : VX006291.D
 Acq On : 05 Dec 2018 11:04
 Operator : JC/MD
 Sample : VX1205WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205WBL01

Quant Time: Dec 06 00:12:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	758310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1134827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1022748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	502199	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	370104	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
35) Dibromofluoromethane	5.50	113	362526	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	1311167	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.13	95	489436	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	

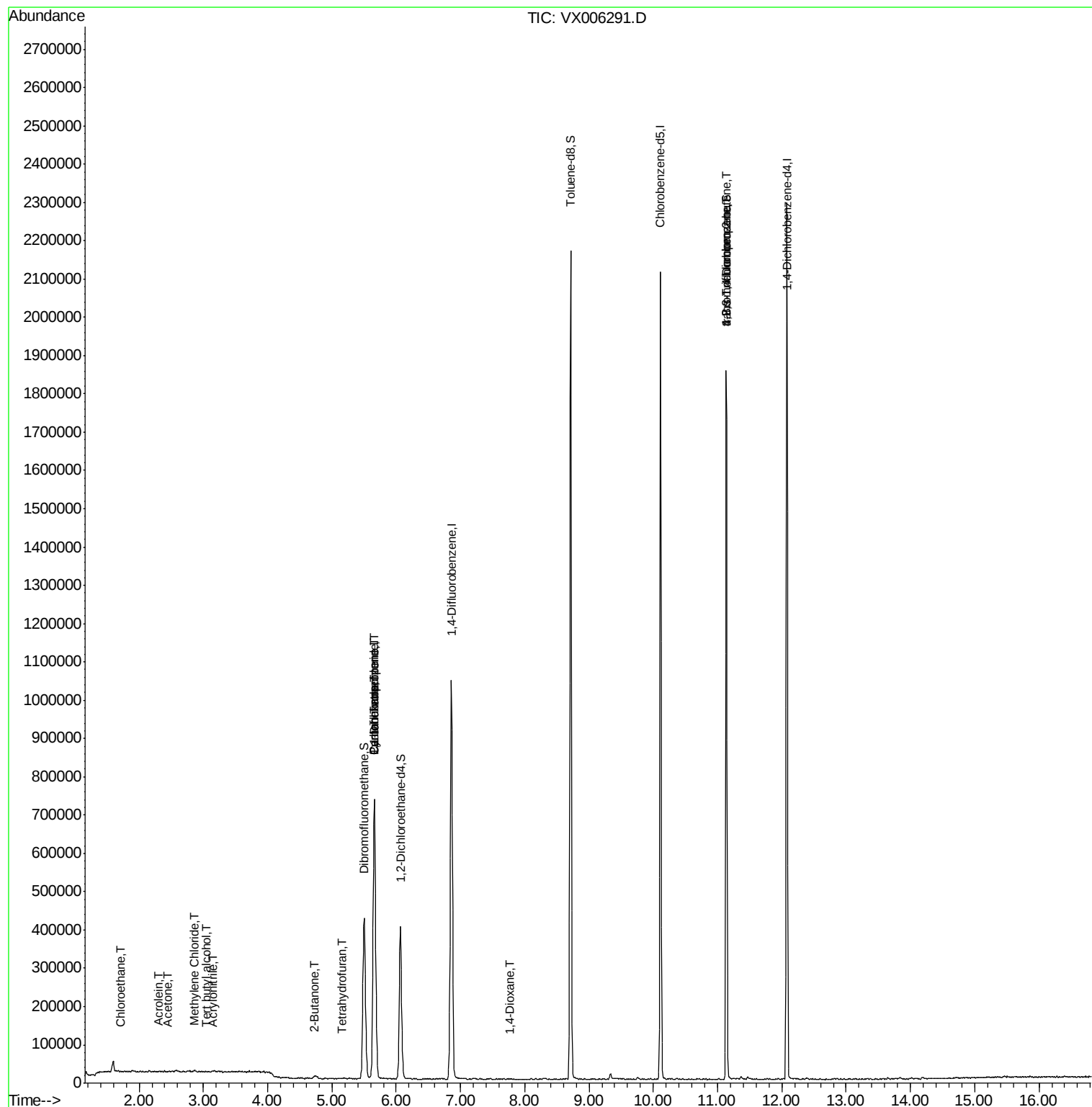
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	1402	0.278	ug/l #	42
11) Tert butyl alcohol	3.05	59	882	0.417	ug/l #	28
13) Acrolein	2.30	56	619	0.535	ug/l #	74
15) Acrylonitrile	3.15	53	1240	0.281	ug/l #	86
16) Acetone	2.44	43	1610	0.443	ug/l #	79
20) Methylene Chloride	2.86	84	1644	0.213	ug/l #	80
25) 2-Butanone	4.71	43	1175	0.227	ug/l #	86
29) Tetrahydrofuran	5.15	42	1158	0.321	ug/l #	79
31) Cyclohexane	5.67	56	11672	1.044	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	47726	4.994	ug/l #	49
38) Carbon Tetrachloride	5.65	117	66664	5.930	ug/l #	17
49) 1,4-Dioxane	7.77	88	503	2.351	ug/l #	77
76) 1,2,3-Trichloropropane	11.13	75	222839	22.989	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	222839	53.949	ug/l #	15

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

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MSVOA_X
ClientSampleId :
VX1205WBL01

Quant Time: Dec 06 00:12:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
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: VX006291.D

Acq: 05 Dec 2018 11:04

Instrument :

MSVOA_X

ClientSampleId :

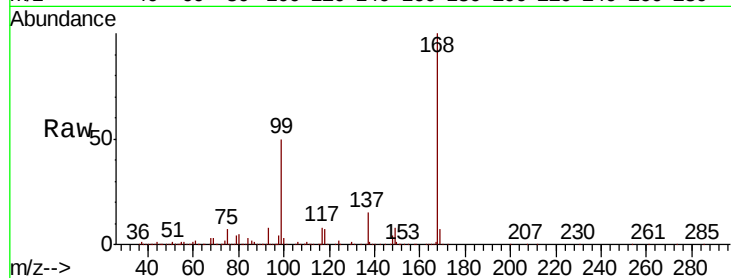
VX1205WBL01

Tot Ion:168 Resp: 758310

Ion Ratio Lower Upper

168 100

99 50.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

300000

250000

200000

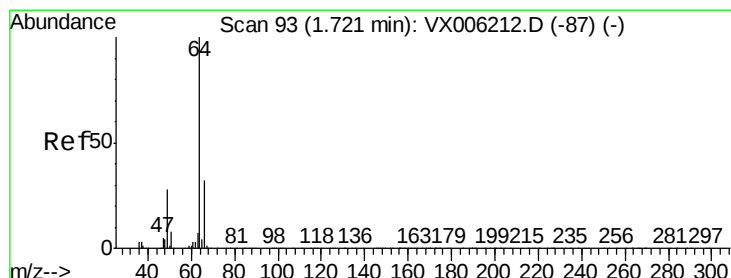
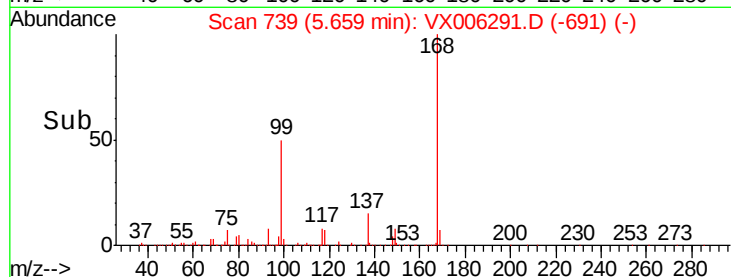
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.278 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006291.D

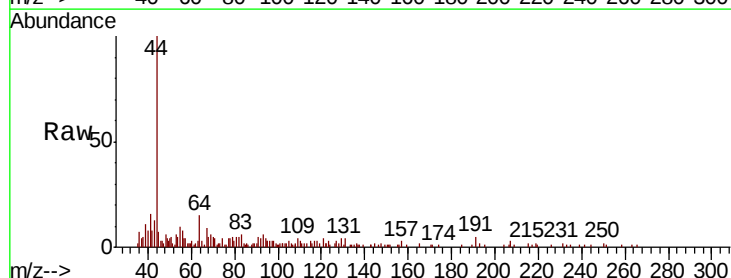
Acq: 05 Dec 2018 11:04

Tgt Ion: 64 Resp: 1402

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

1000

800

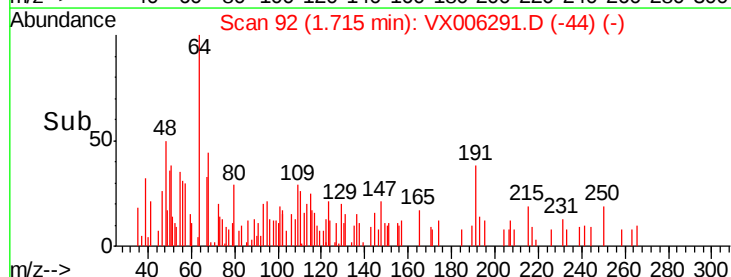
600

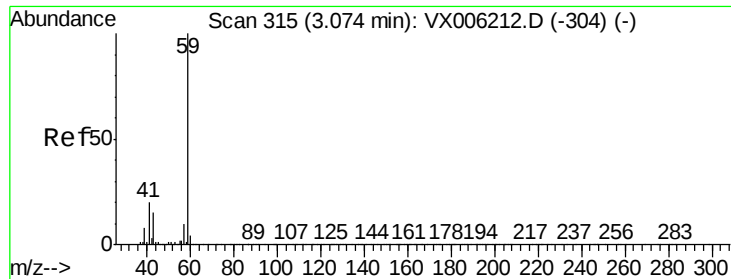
400

200

0

Time--> 1.65 1.70 1.75

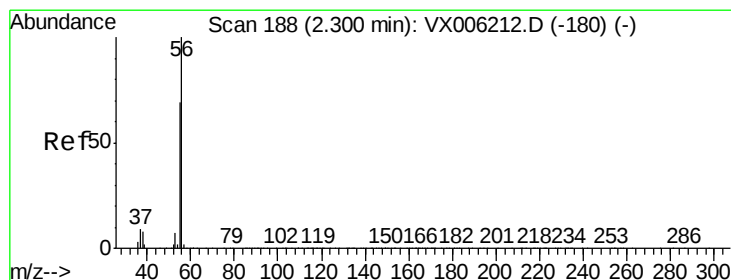
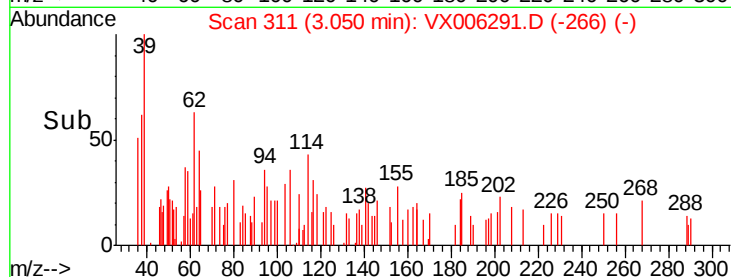
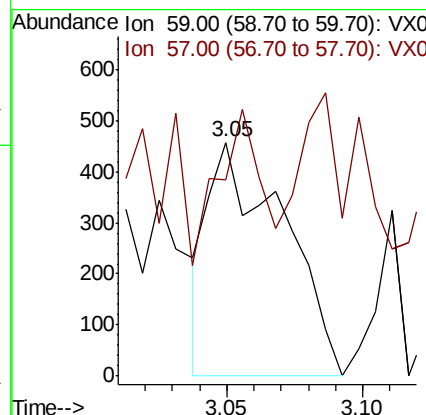
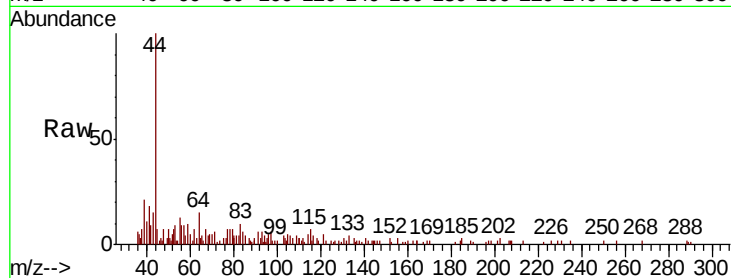




#11
Tert butyl alcohol
Concen: 0.417 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.02 min
Lab File: VX006291.D
Acq: 05 Dec 2018 11:04

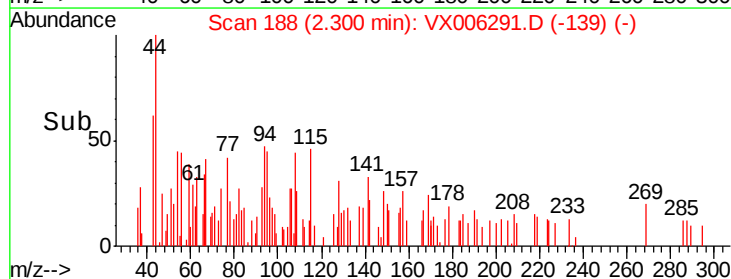
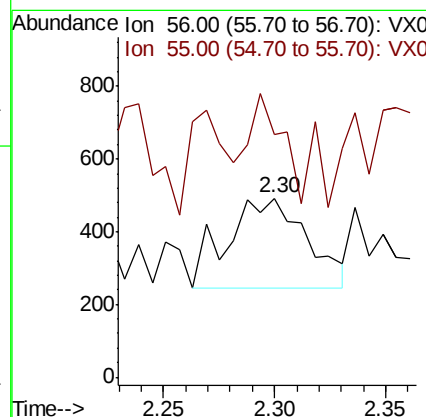
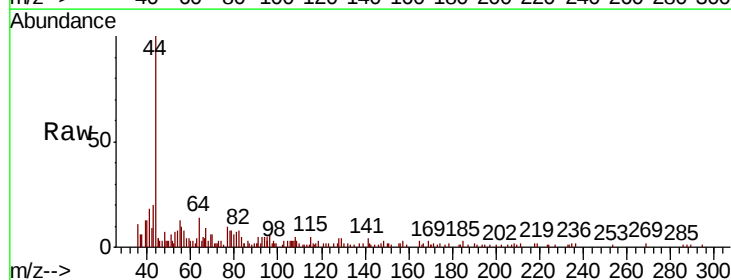
Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

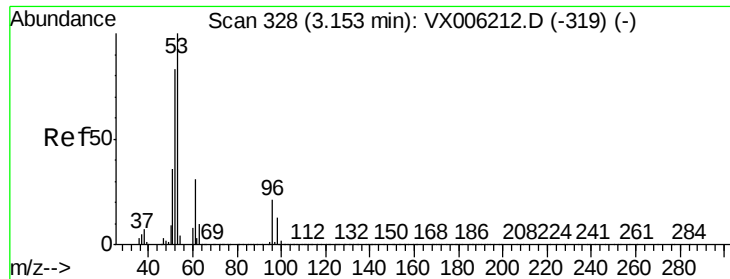
Tot Ion: 59 Resp: 882
Ion Ratio Lower Upper
59 100
57 37.0 8.2 12.2#



#13
Acrolein
Concen: 0.535 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX006291.D
Acq: 05 Dec 2018 11:04

Tgt Ion: 56 Resp: 619
Ion Ratio Lower Upper
56 100
55 50.2 57.8 86.6#





#15

Acrylonitrile

Concen: 0.281 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006291.D

Acq: 05 Dec 2018 11:04

Instrument :

MSVOA_X

ClientSampled :

VX1205WBL01

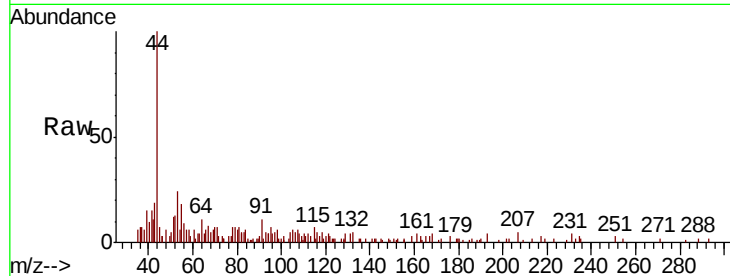
Tot Ion: 53 Resp: 1240

Ion Ratio Lower Upper

53 100

52 92.5 66.2 99.4

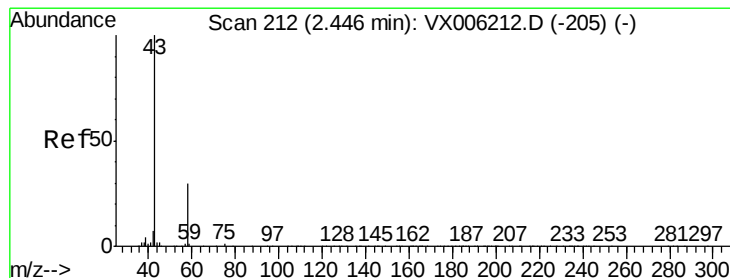
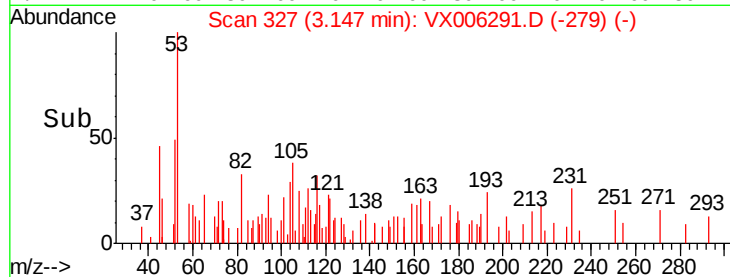
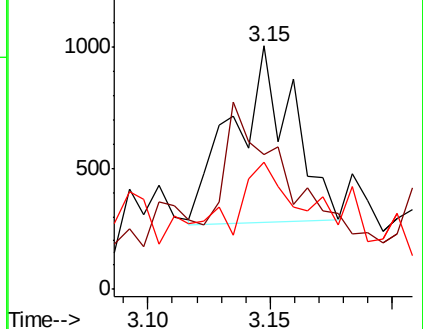
51 22.7 28.7 43.1#



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: 0.443 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006291.D

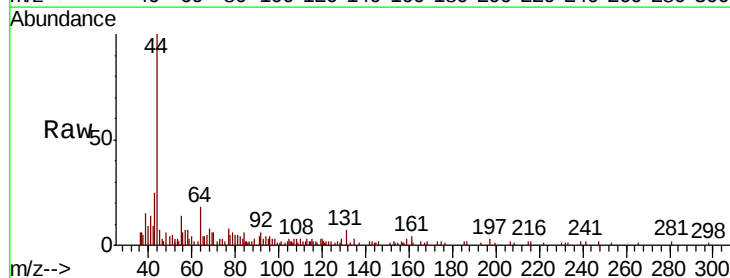
Acq: 05 Dec 2018 11:04

Tgt Ion: 43 Resp: 1610

Ion Ratio Lower Upper

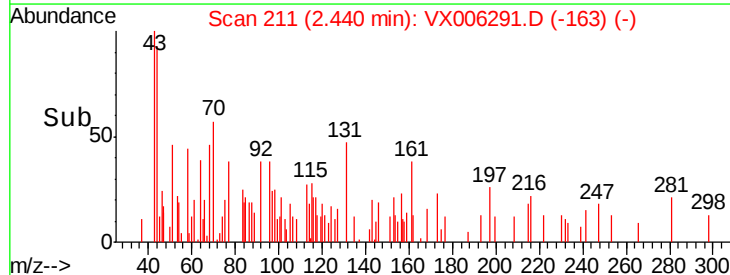
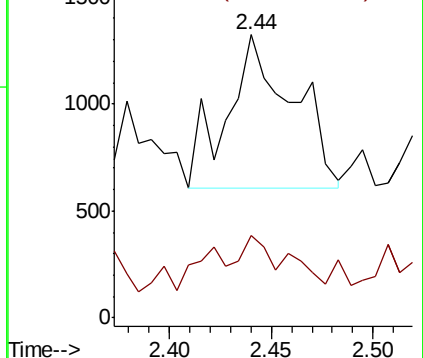
43 100

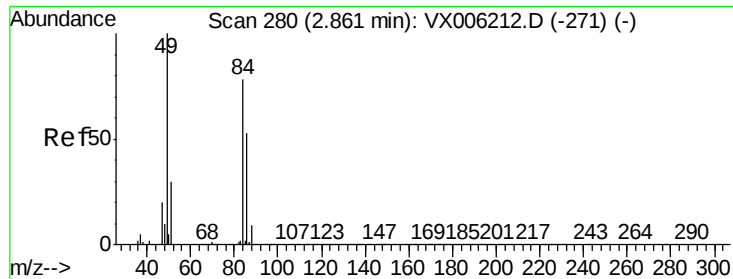
58 18.6 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

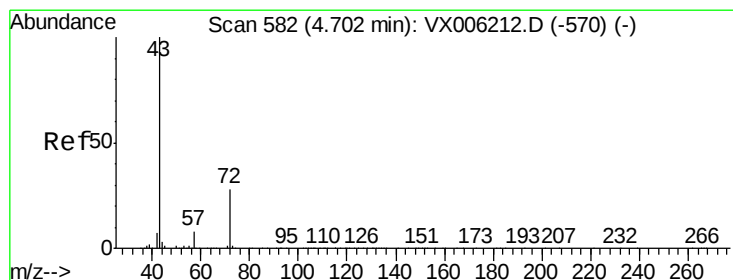
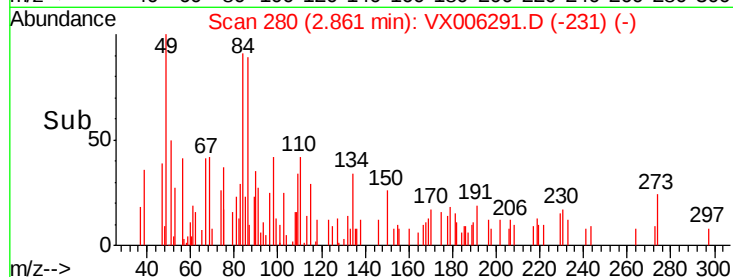
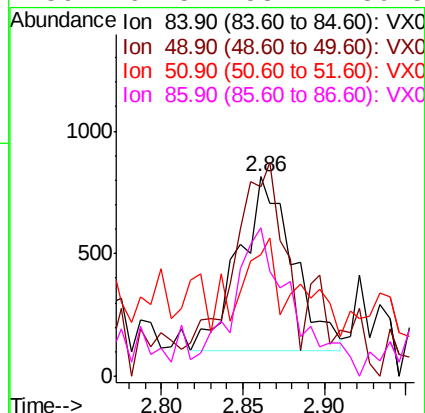
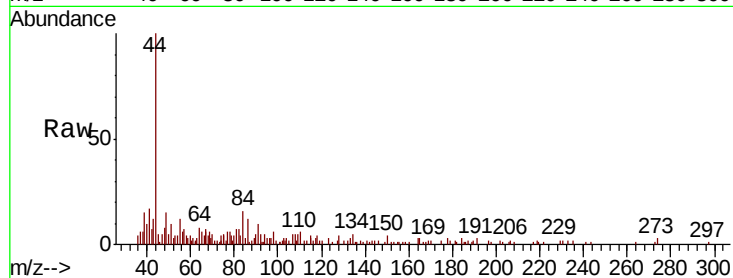




#20
Methvlene Chloride
Concen: 0.213 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006291.D
Acq: 05 Dec 2018 11:04

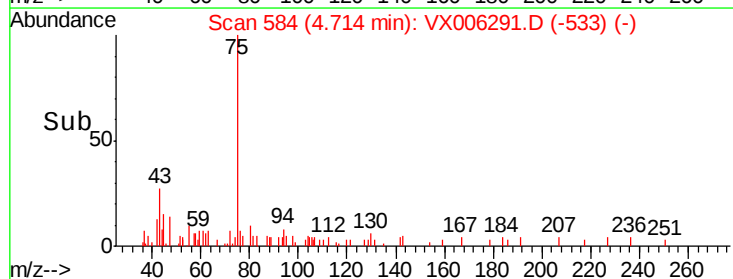
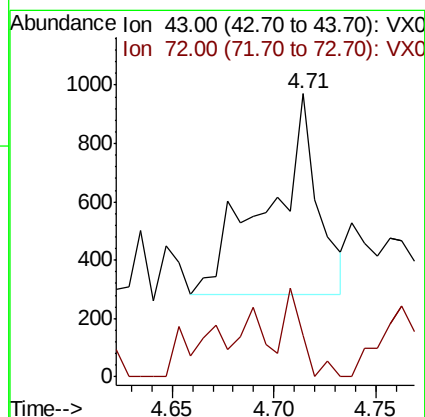
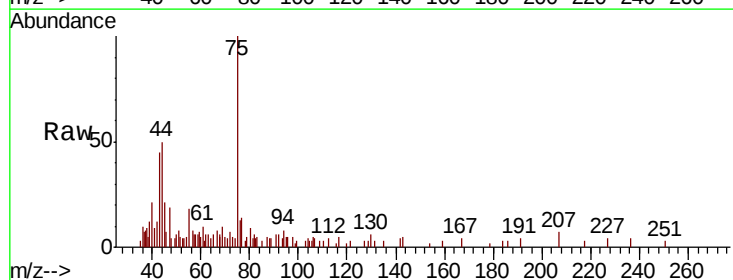
Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

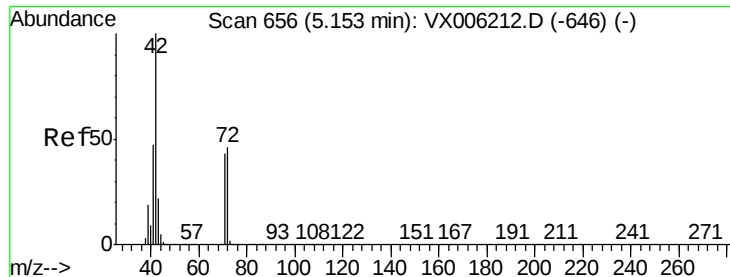
Tot Ion: 84 Resp: 1644
Ion Ratio Lower Upper
84 100
49 90.3 102.2 153.4#
51 47.2 31.1 46.7#
86 67.5 53.7 80.5



#25
2-Butanone
Concen: 0.227 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX006291.D
Acq: 05 Dec 2018 11:04

Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
72 20.8 22.6 33.8#





#29

Tetrahydrofuran

Concen: 0.321 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006291.D

Acq: 05 Dec 2018 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX1205WBL01

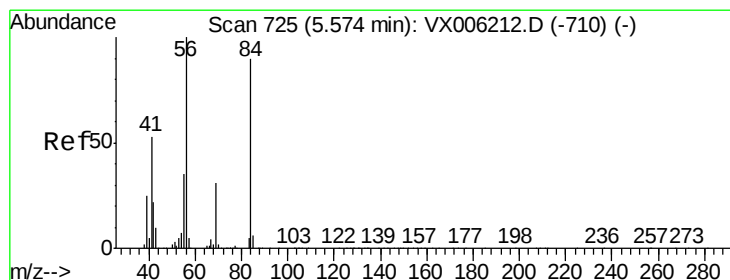
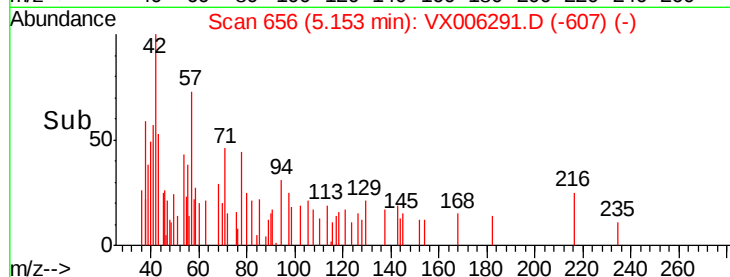
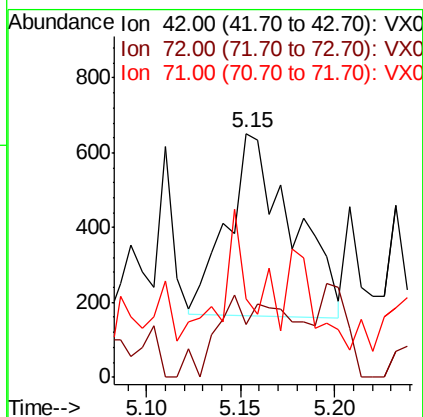
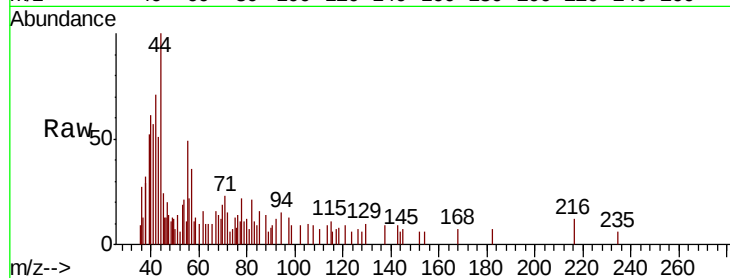
Tot Ion: 42 Resp: 1158

Ion Ratio Lower Upper

42 100

72 22.2 37.8 56.8#

71 41.8 35.2 52.8



#31

Cyclohexane

Concen: 1.044 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006291.D

Acq: 05 Dec 2018 11:04

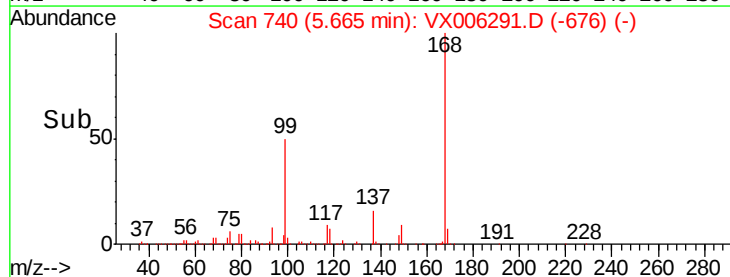
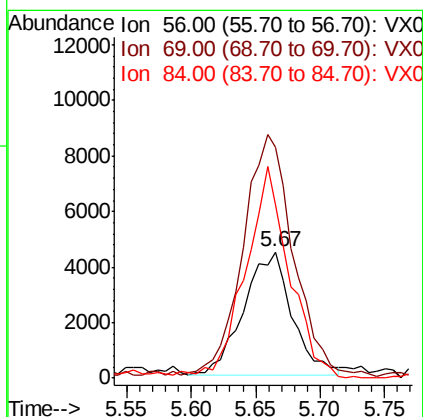
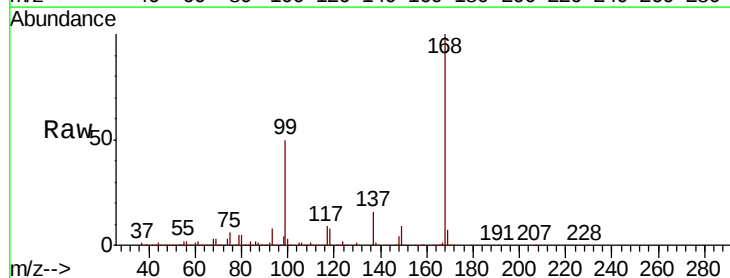
Tgt Ion: 56 Resp: 11672

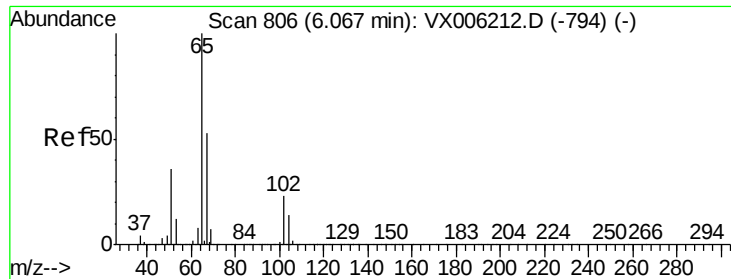
Ion Ratio Lower Upper

56 100

69 182.5 24.5 36.7#

84 139.0 71.8 107.6#

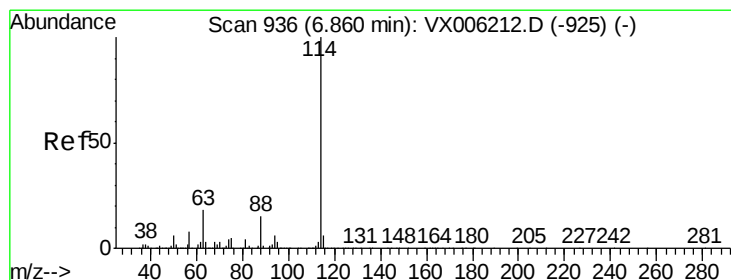
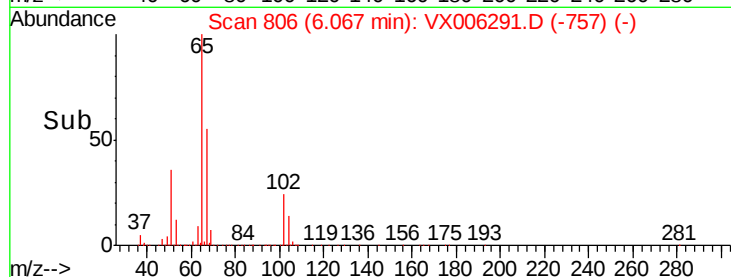
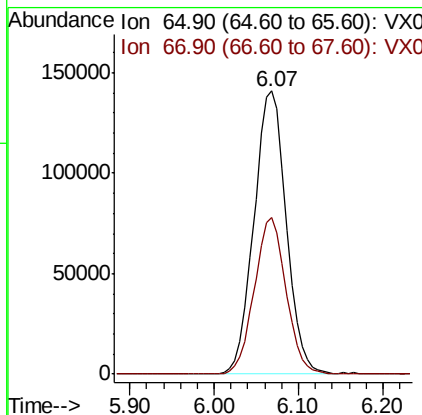
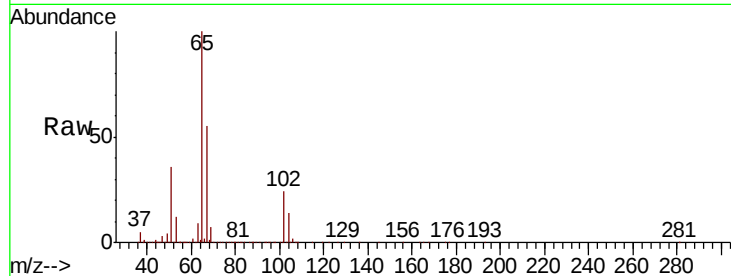




#33
 1,2-Dichloroethane-d4
 Concen: 47.810 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006291.D
 Acq: 05 Dec 2018 11:04

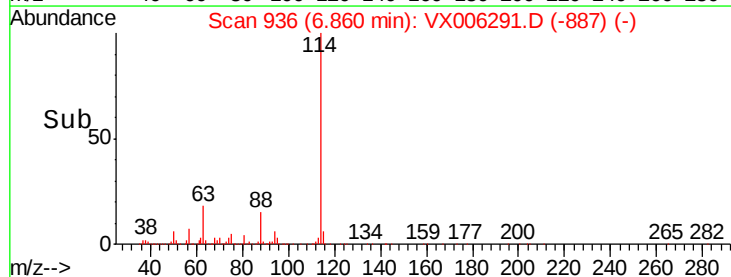
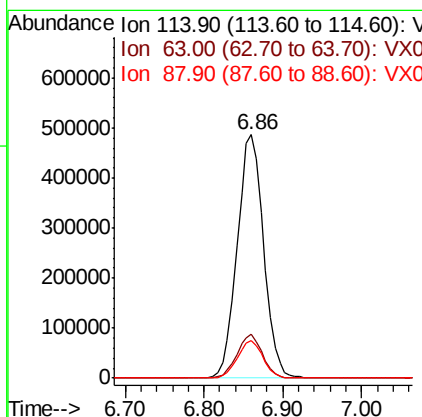
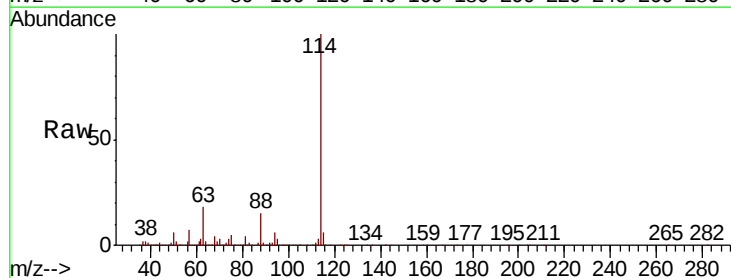
Instrument :
 MSVOA_X
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 VX1205WBL01

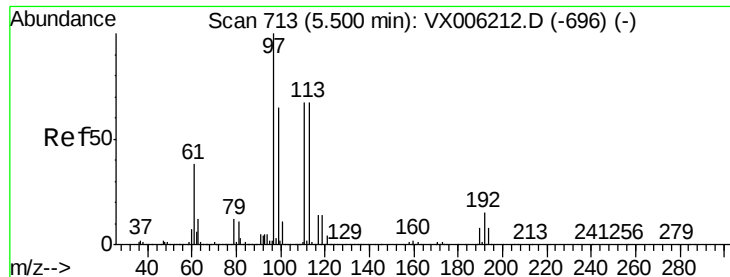
Tot Ion: 65 Resp: 370104
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006291.D
 Acq: 05 Dec 2018 11:04

Tgt Ion: 114 Resp: 1134827
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.6
 88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.340 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006291.D

Acq: 05 Dec 2018 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX1205WBL01

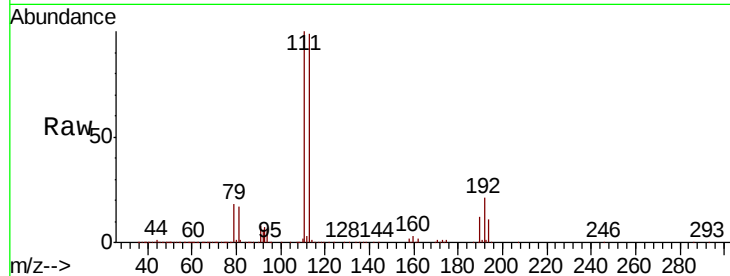
Tot Ion:113 Resp: 362526

Ion Ratio Lower Upper

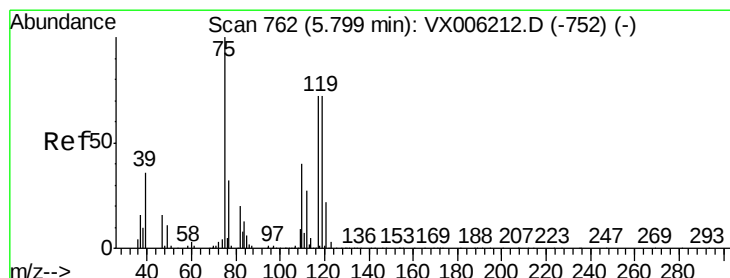
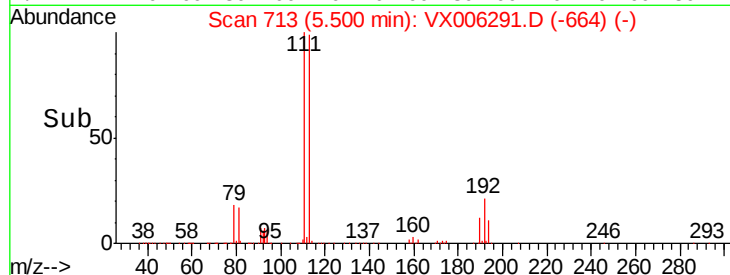
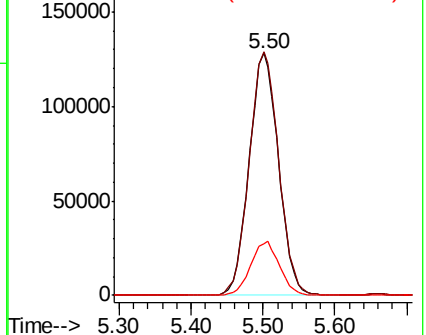
113 100

111 101.1 81.1 121.7

192 21.9 18.2 27.2



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: 4.994 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006291.D

Acq: 05 Dec 2018 11:04

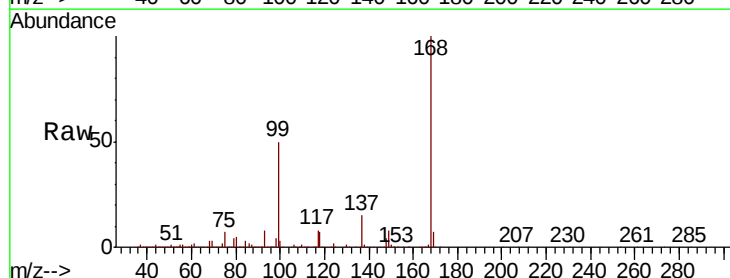
Tgt Ion: 75 Resp: 47726

Ion Ratio Lower Upper

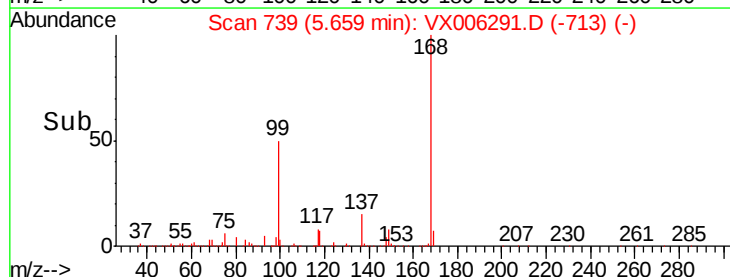
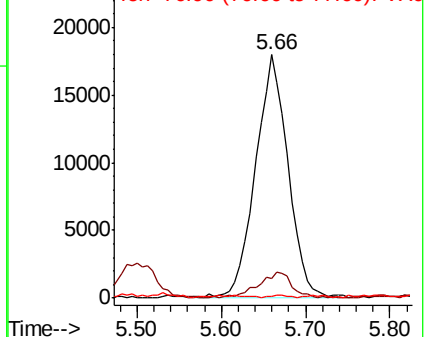
75 100

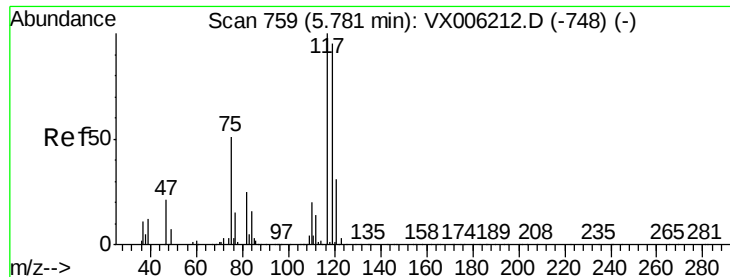
110 11.3 20.4 61.3#

77 0.7 24.9 37.3#



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: 5.930 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX006291.D

Acq: 05 Dec 2018 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX1205WBL01

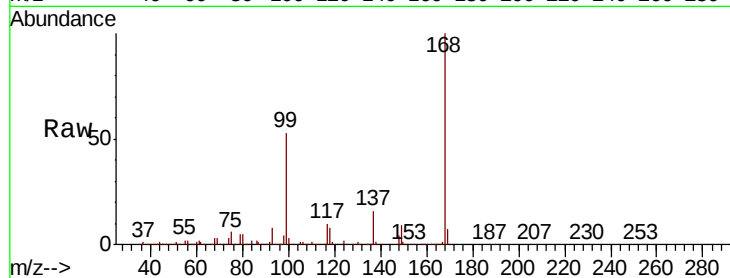
Tot Ion:117 Resp: 66664

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

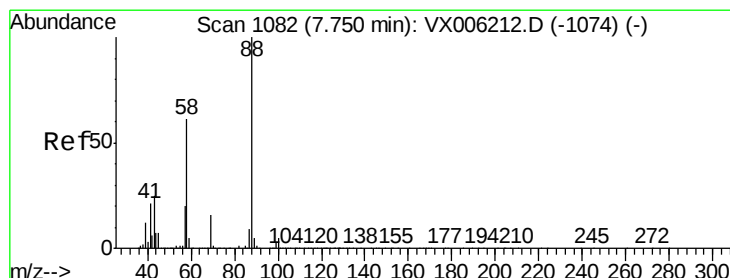
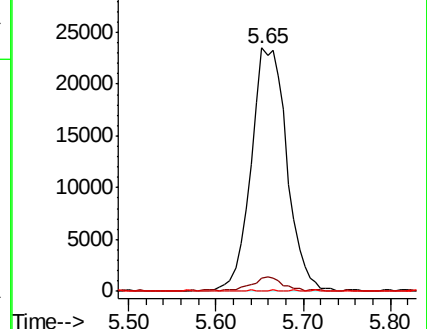
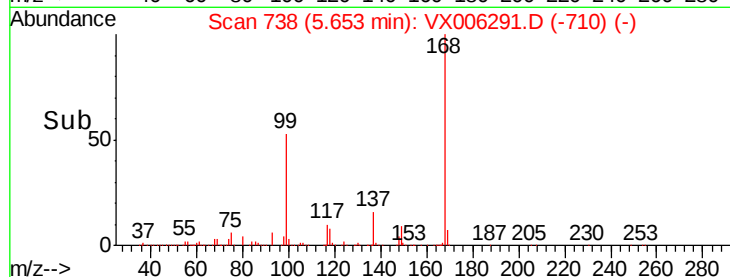
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.351 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX006291.D

Acq: 05 Dec 2018 11:04

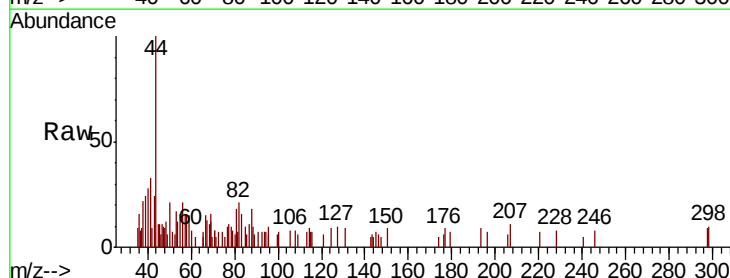
Tgt Ion: 88 Resp: 503

Ion Ratio Lower Upper

88 100

43 16.9 23.2 34.8#

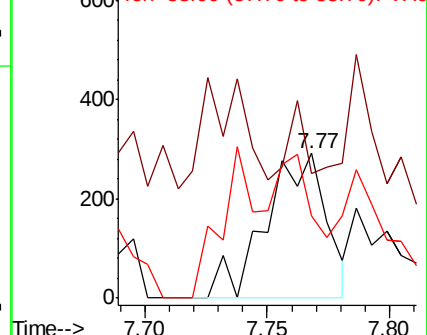
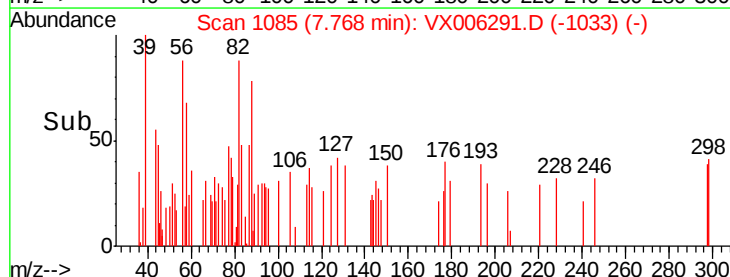
58 46.1 51.4 77.0#

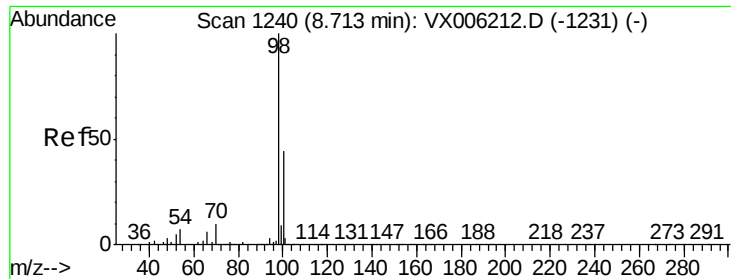


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

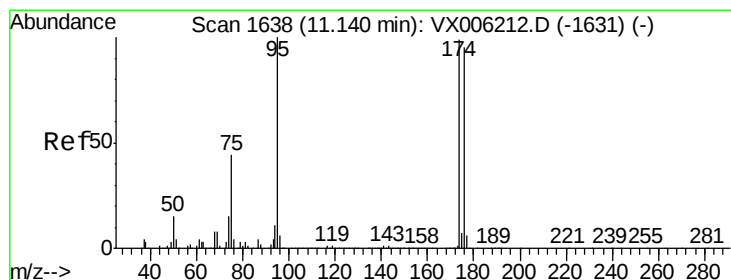
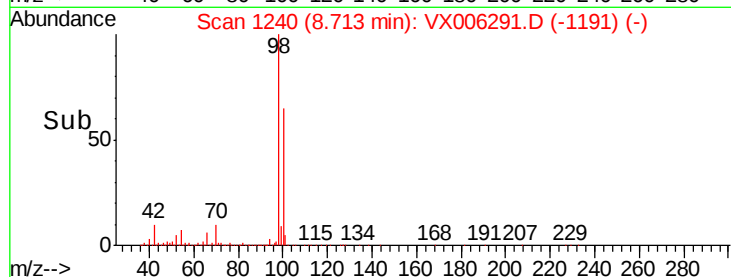
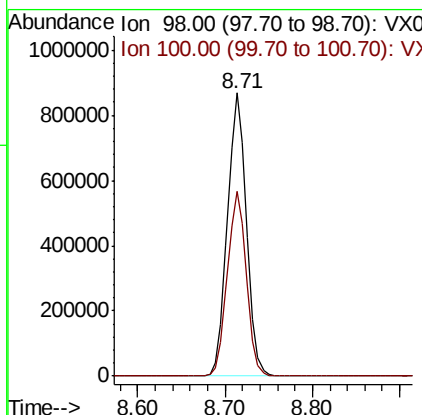
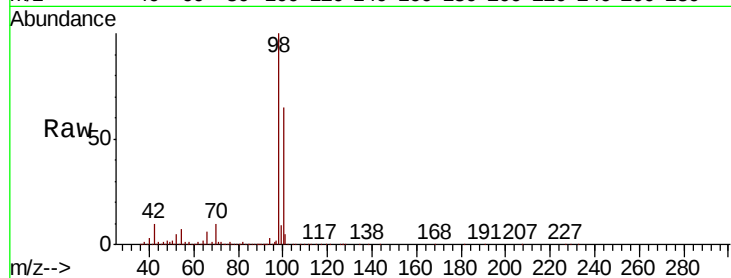




#50
Toluene-d8
Concen: 49.059 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006291.D
Acq: 05 Dec 2018 11:04

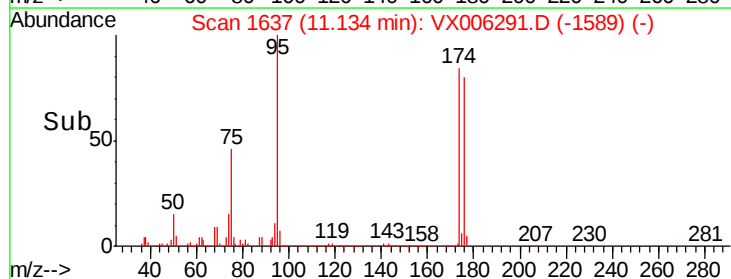
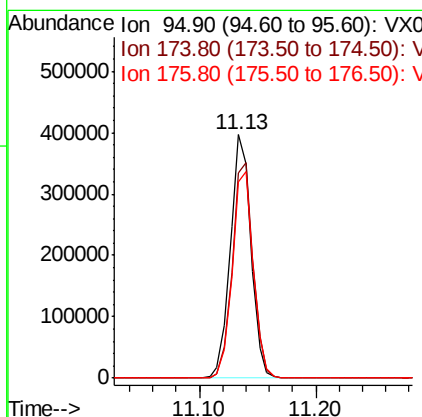
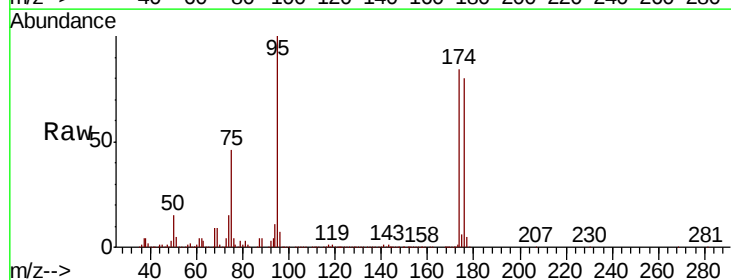
Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

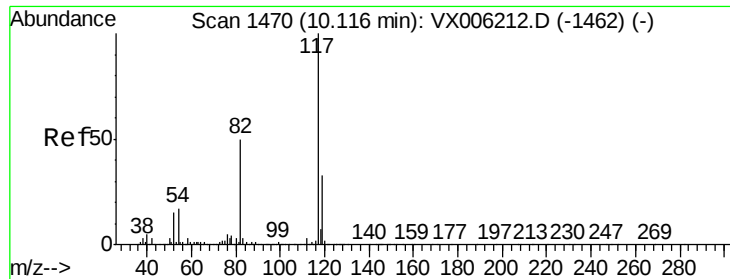
Tot Ion: 98 Resp: 1311167
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.598 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006291.D
Acq: 05 Dec 2018 11:04

Tgt Ion: 95 Resp: 489436
Ion Ratio Lower Upper
95 100
174 89.4 0.0 187.0
176 86.5 0.0 181.8

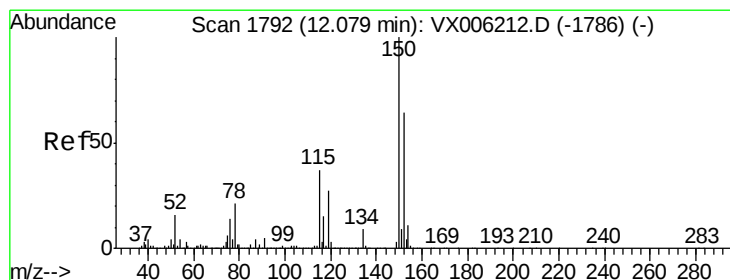
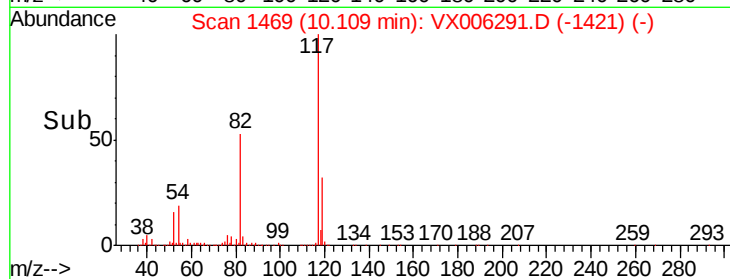
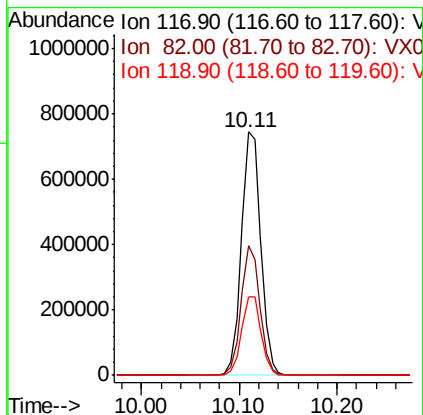
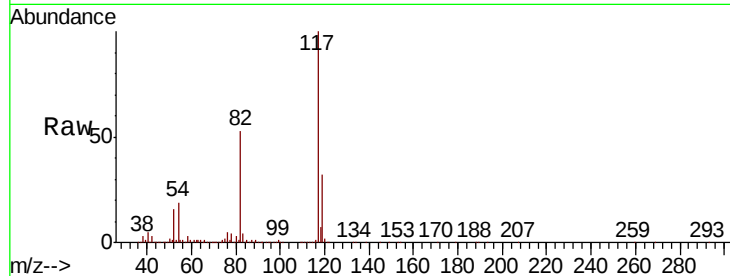




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006291.D
Acq: 05 Dec 2018 11:04

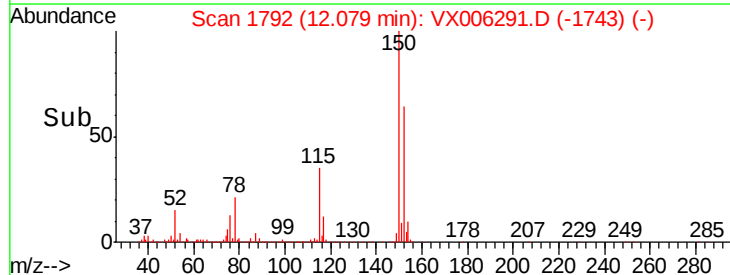
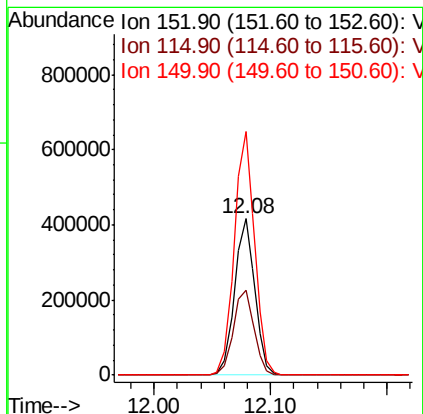
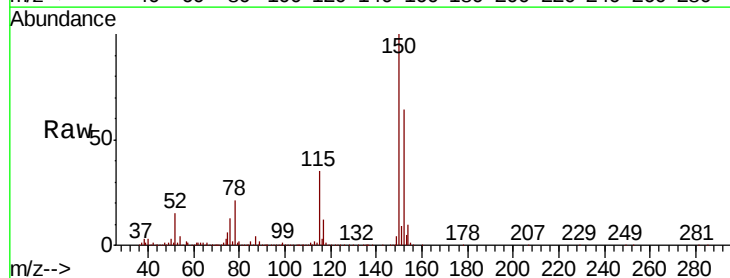
Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

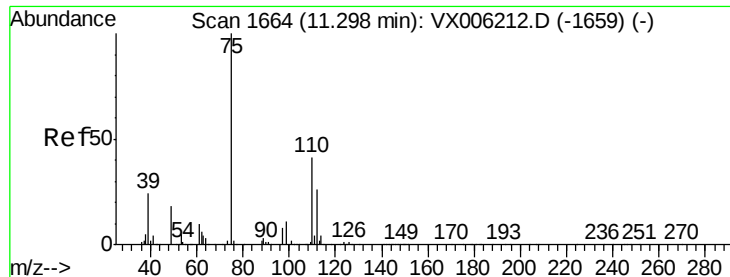
Tot Ion:117 Resp: 1022748
Ion Ratio Lower Upper
117 100
82 53.2 39.6 59.4
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006291.D
Acq: 05 Dec 2018 11:04

Tgt Ion:152 Resp: 502199
Ion Ratio Lower Upper
152 100
115 56.0 39.0 116.9
150 156.3 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 22.989 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006291.D

Acq: 05 Dec 2018 11:04

Instrument :

MSVOA_X

ClientSampleId :

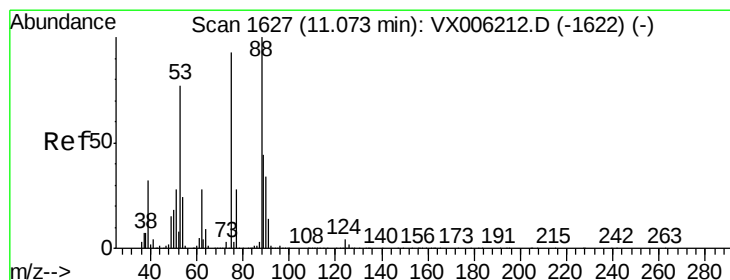
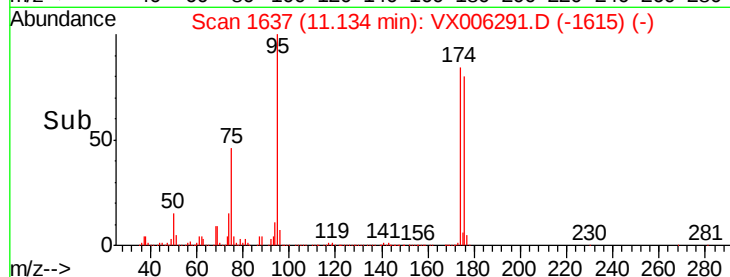
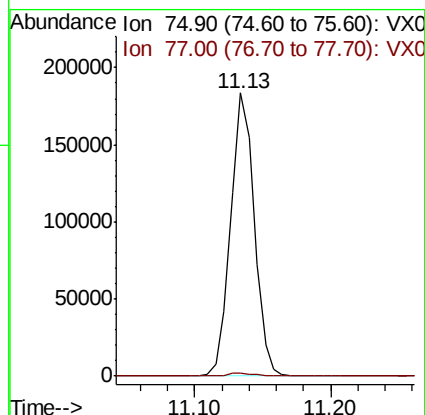
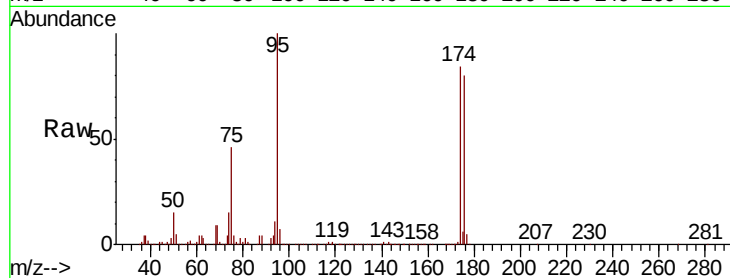
VX1205WBL01

Tot Ion: 75 Resp: 222839

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.949 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006291.D

Acq: 05 Dec 2018 11:04

Tgt Ion: 75 Resp: 222839

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#

