

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\
 Data File : VX010442.D
 Acq On : 25 Jun 2019 18:38
 Operator : JC/SP
 Sample : K3519-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-19-JMW0801B

Quant Time: Jun 26 01:22:13 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	268595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	417204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	371666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168457	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	127655	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
35) Dibromofluoromethane	5.50	113	126019	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	489866	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.13	95	160144	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	

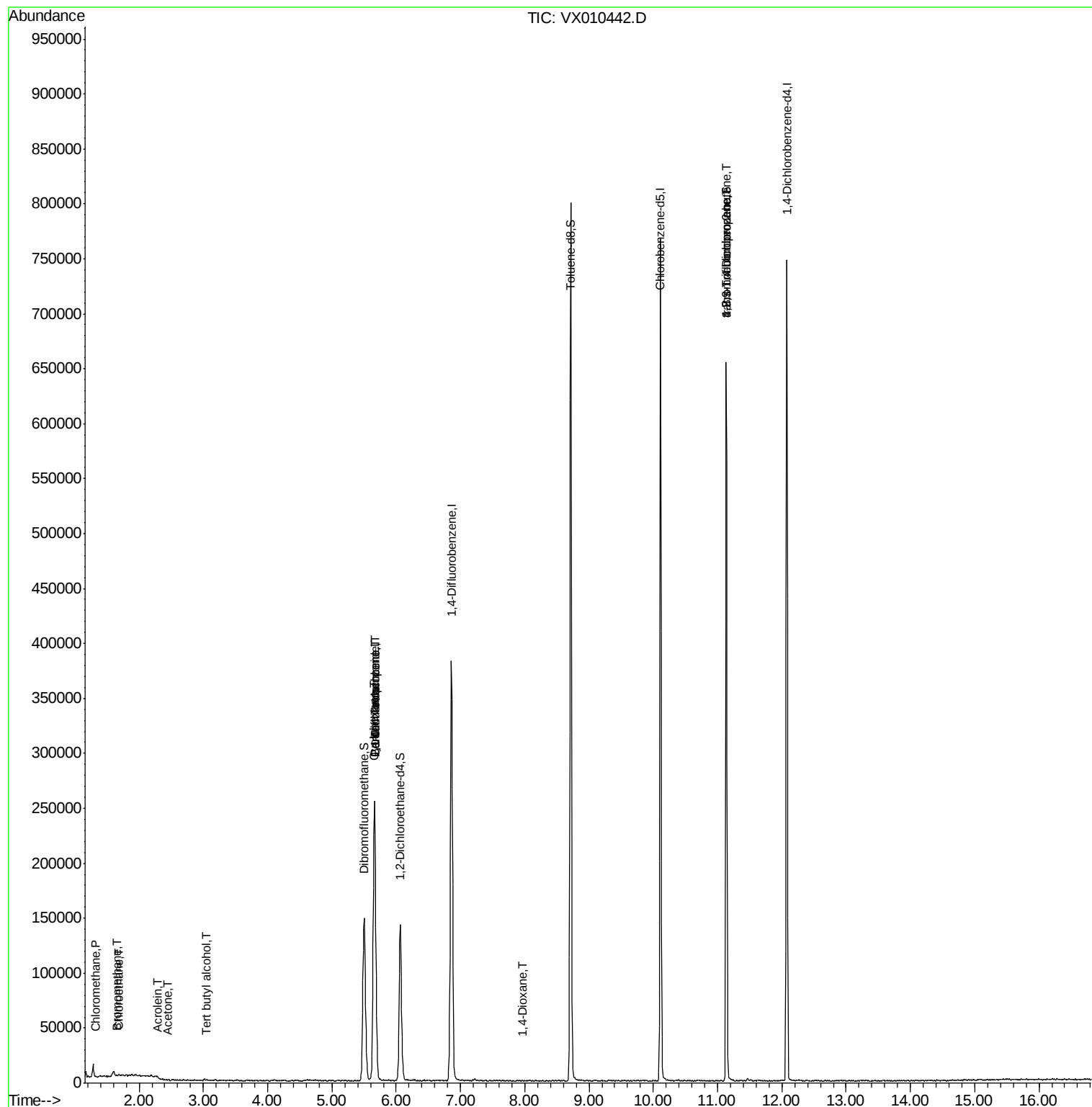
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	543	0.250	ug/l #	82
5) Bromomethane	1.65	94	466	0.402	ug/l #	44
6) Chloroethane	1.68	64	1182	0.841	ug/l #	75
11) Tert butyl alcohol	3.05	59	565	0.857	ug/l #	94
13) Acrolein	2.29	56	188	0.430	ug/l	89
16) Acetone	2.44	43	524	0.415	ug/l #	71
31) Cyclohexane	5.65	56	4613	1.268	ug/l #	32
36) 1,1-Dichloropropene	5.67	75	16562	4.996	ug/l #	46
38) Carbon Tetrachloride	5.66	117	24092	6.711	ug/l #	15
49) 1,4-Dioxane	7.97	88	21	0.278	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	77025	25.092	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	77025	58.537	ug/l #	16

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

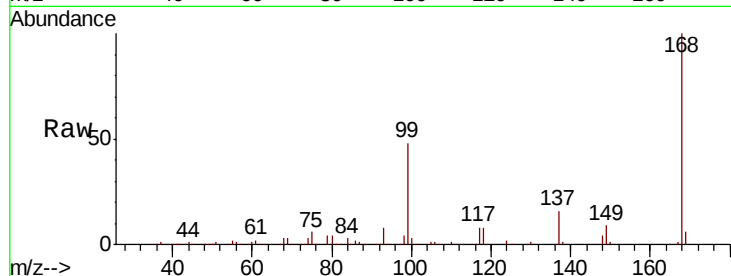
SP-19-JMW0801B

Tot Ion:168 Resp: 268595

Ion Ratio Lower Upper

168 100

99 48.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

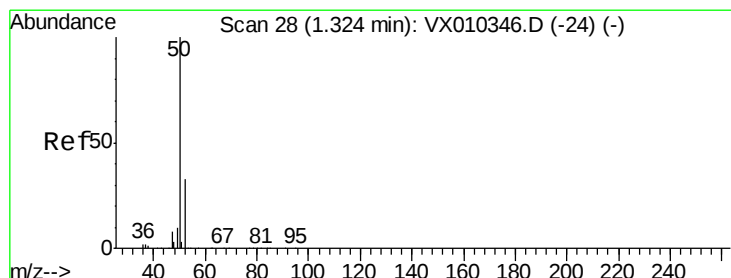
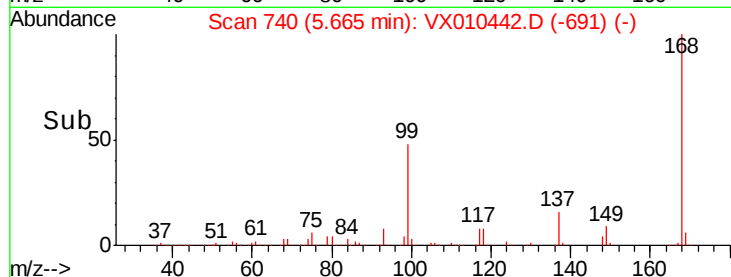
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010442.D

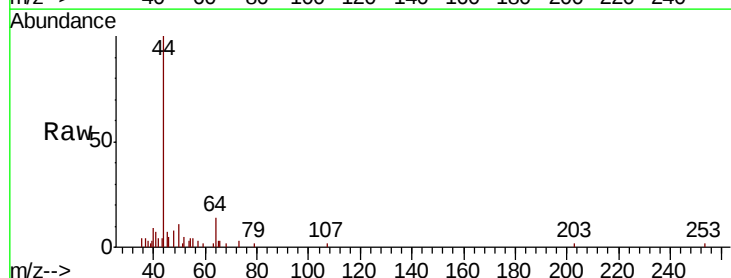
Acq: 25 Jun 2019 18:38

Tgt Ion: 50 Resp: 543

Ion Ratio Lower Upper

50 100

52 22.8 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

200

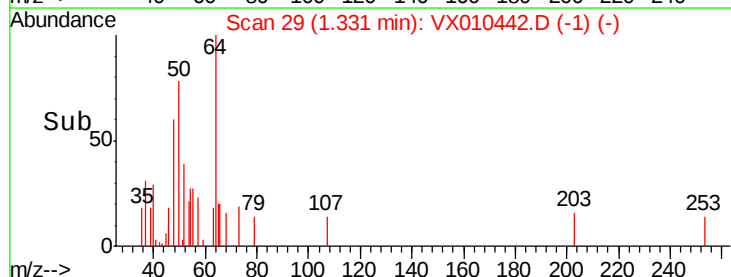
100

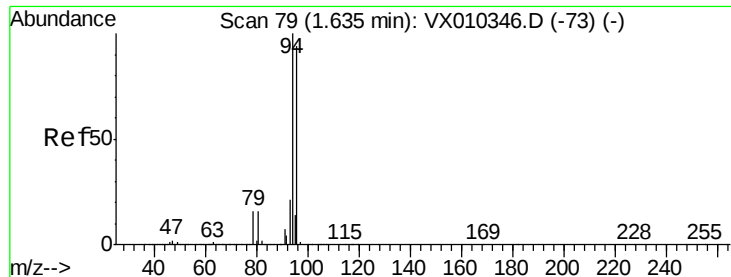
0

Time-->

1.30

1.35





#5

Bromomethane

Concen: 0.402 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

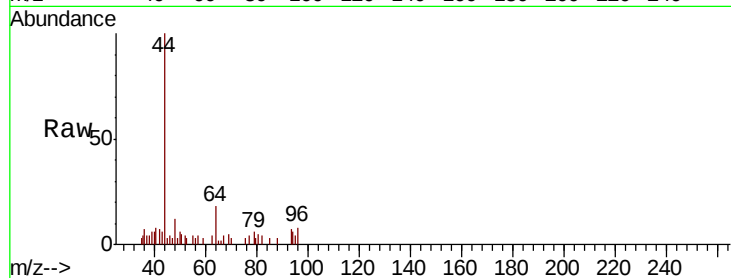
SP-19-JMW0801B

Tot Ion: 94 Resp: 466

Ion Ratio Lower Upper

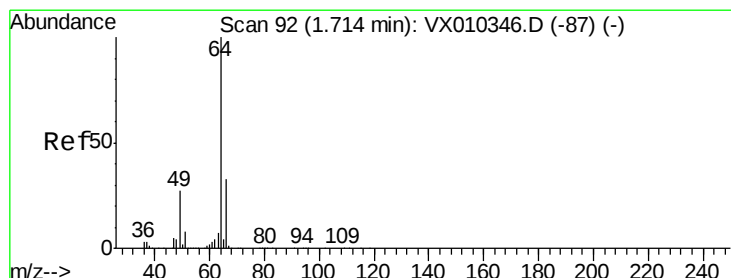
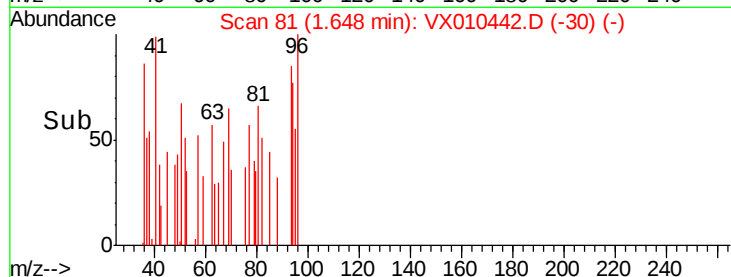
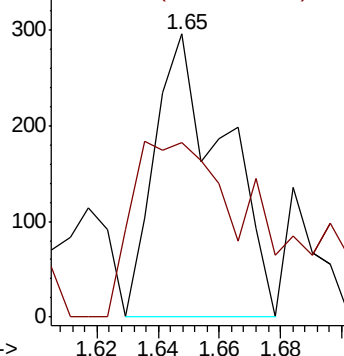
94 100

96 40.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.841 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010442.D

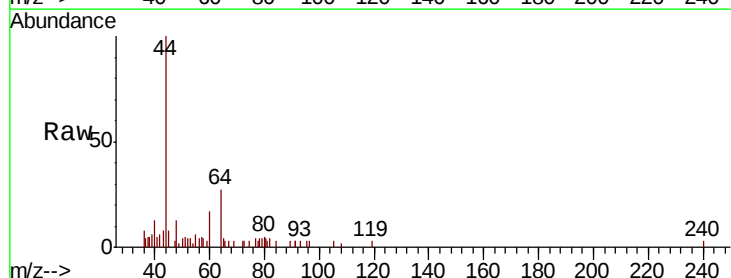
Acq: 25 Jun 2019 18:38

Tgt Ion: 64 Resp: 1182

Ion Ratio Lower Upper

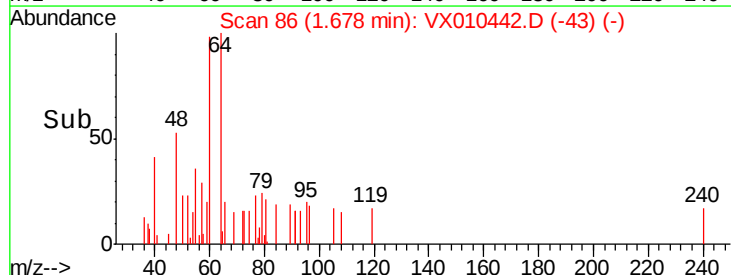
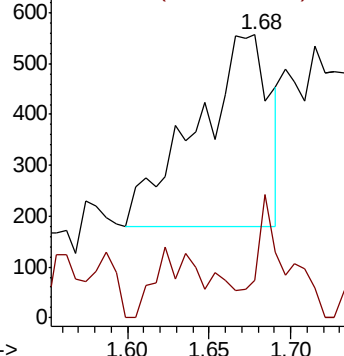
64 100

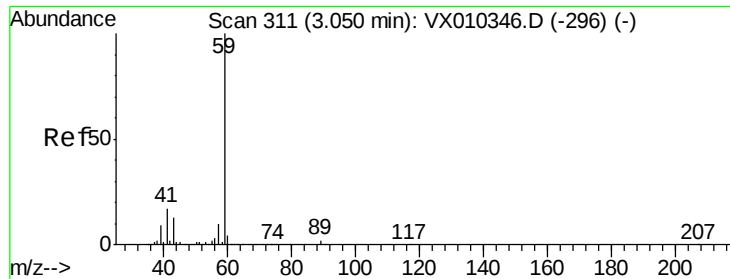
66 19.3 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



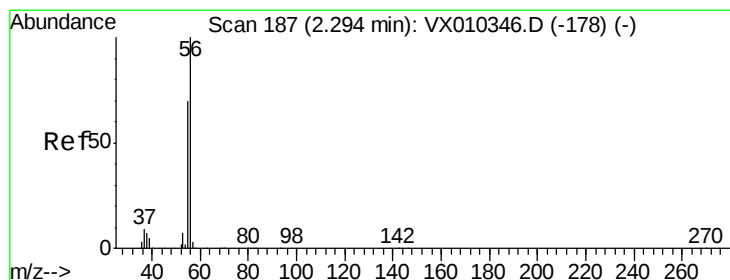
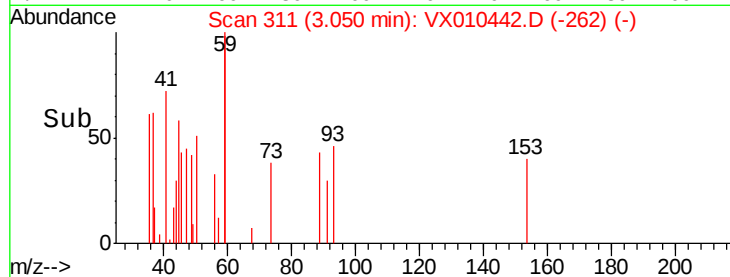
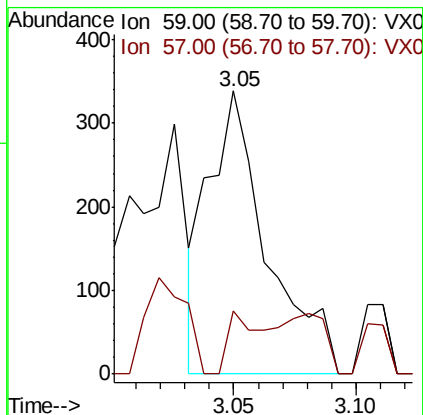
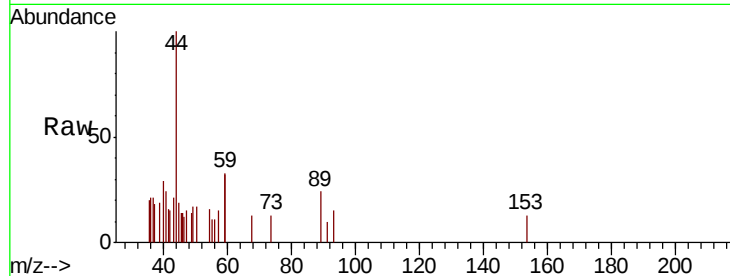


#11

Tert butyl alcohol
Concen: 0.857 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010442.D
Acq: 25 Jun 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
SP-19-JMW0801B

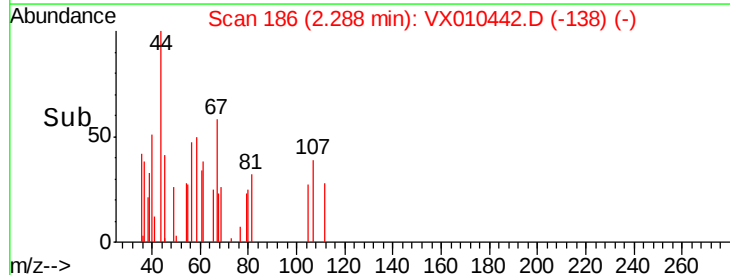
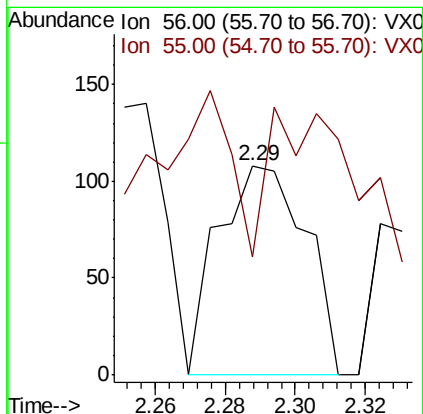
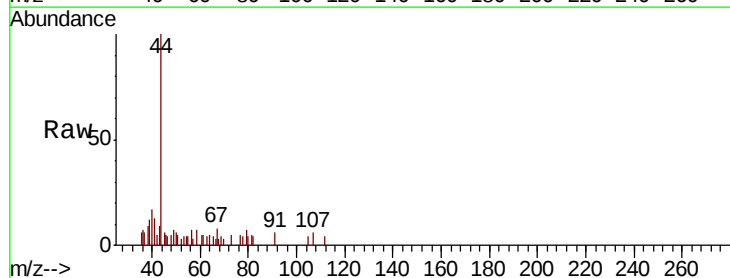
Tot Ion: 59 Resp: 565
Ion Ratio Lower Upper
59 100
57 11.7 7.7 11.5#

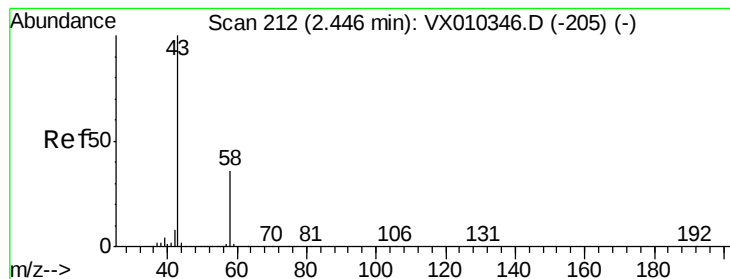


#13

Acrolein
Concen: 0.430 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX010442.D
Acq: 25 Jun 2019 18:38

Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 80.3 56.9 85.3





#16

Acetone

Concen: 0.415 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

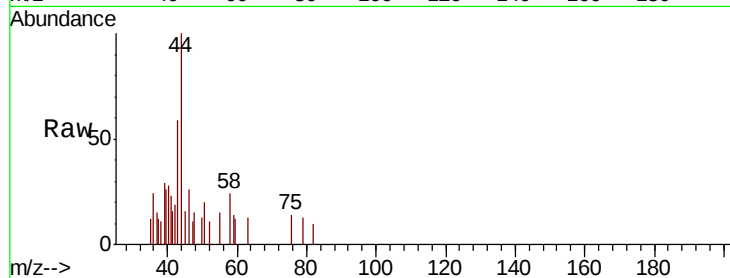
SP-19-JMW0801B

Tot Ion: 43 Resp: 524

Ion Ratio Lower Upper

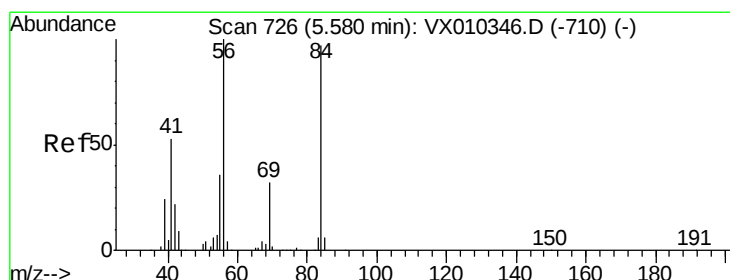
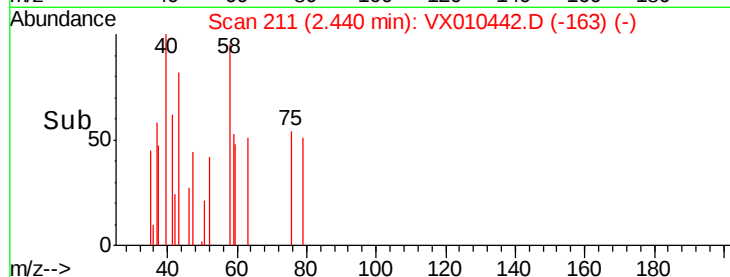
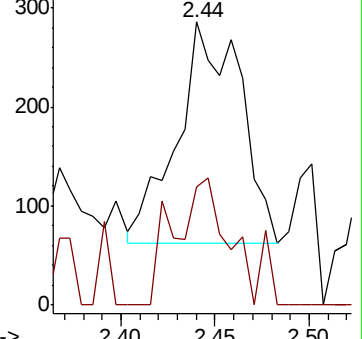
43 100

58 53.1 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 1.268 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

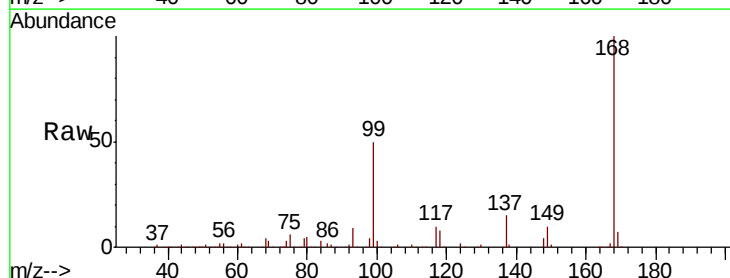
Tgt Ion: 56 Resp: 4613

Ion Ratio Lower Upper

56 100

69 130.7 25.9 38.9#

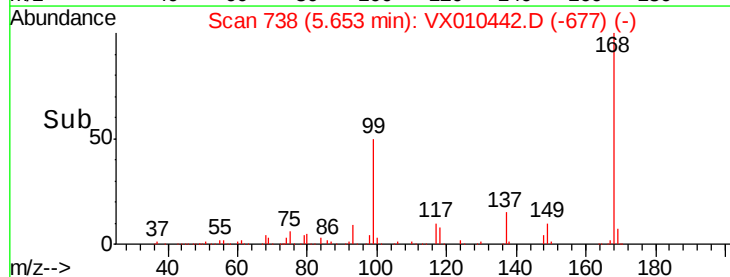
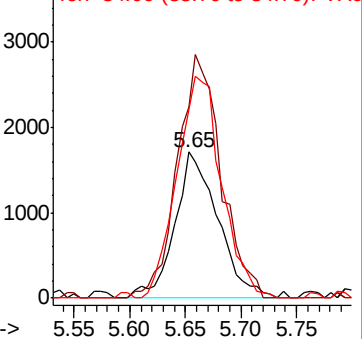
84 129.4 78.0 117.0#

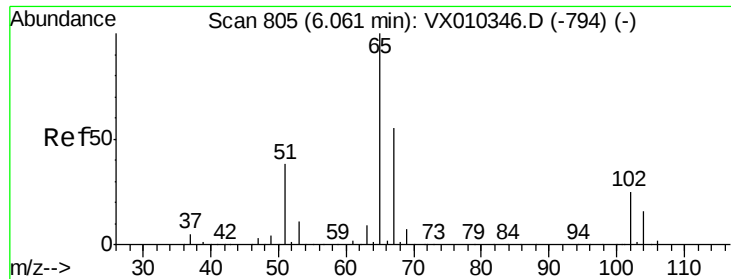


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

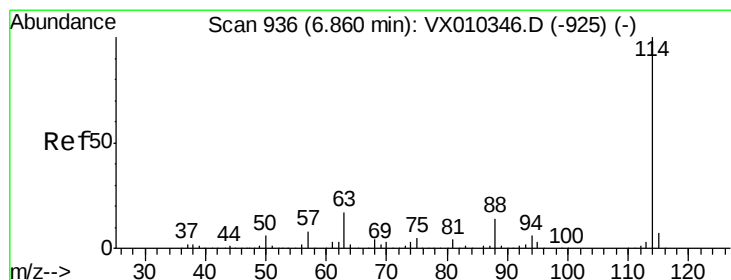
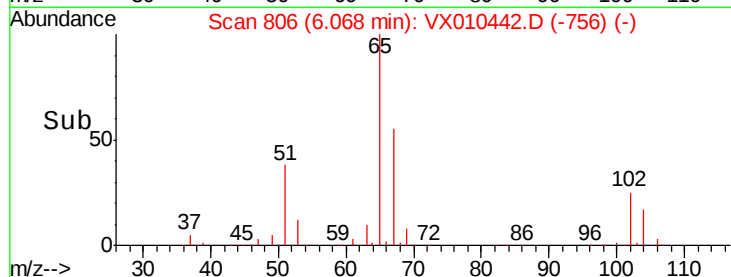
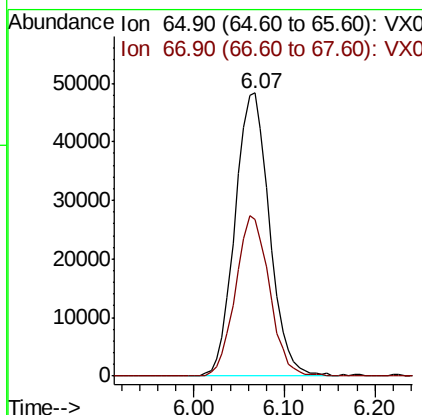
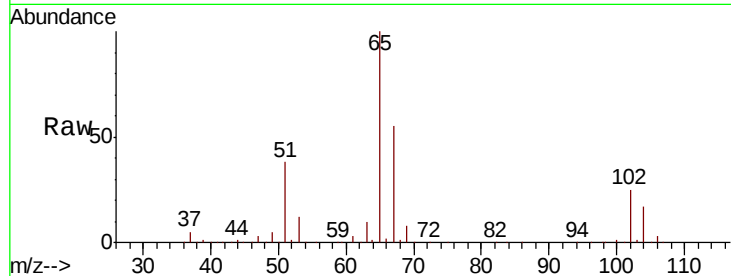




#33
 1,2-Dichloroethane-d4
 Concen: 50.690 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010442.D
 Acq: 25 Jun 2019 18:38

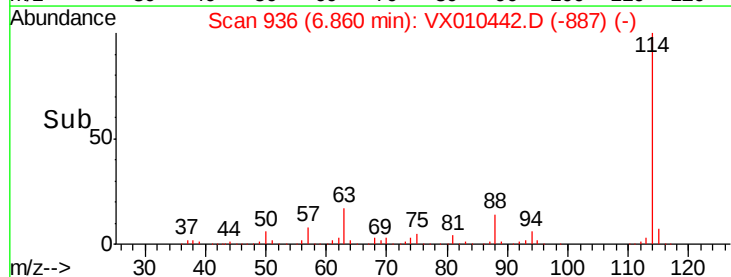
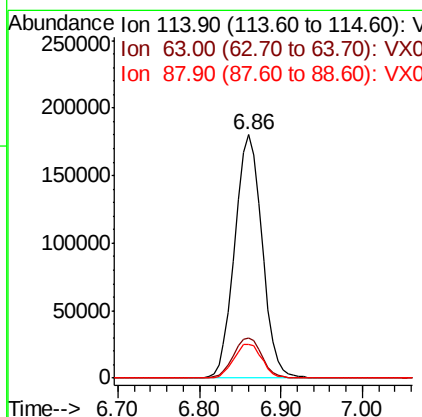
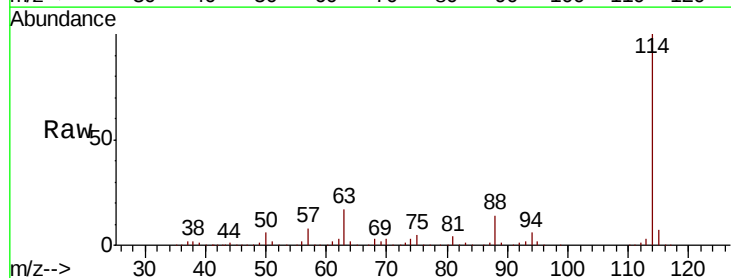
Instrument :
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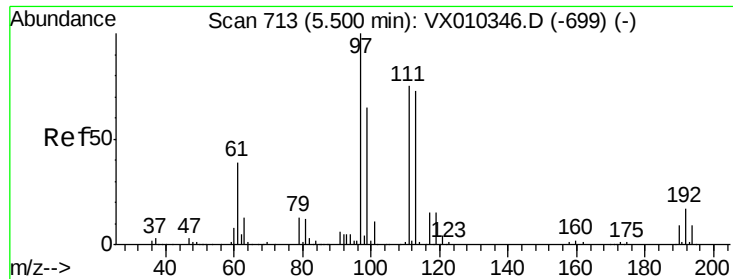
Tot Ion: 65 Resp: 127655
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010442.D
 Acq: 25 Jun 2019 18:38

Tgt Ion: 114 Resp: 417204
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 33.8
 88 14.0 0.0 27.6

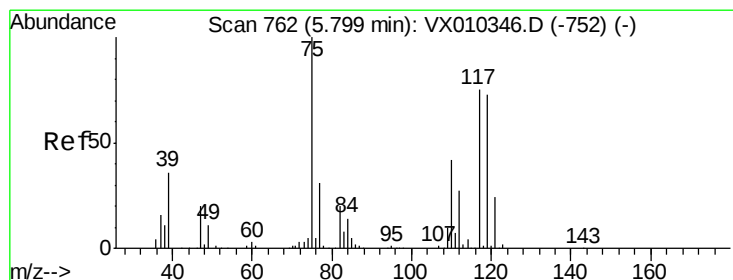
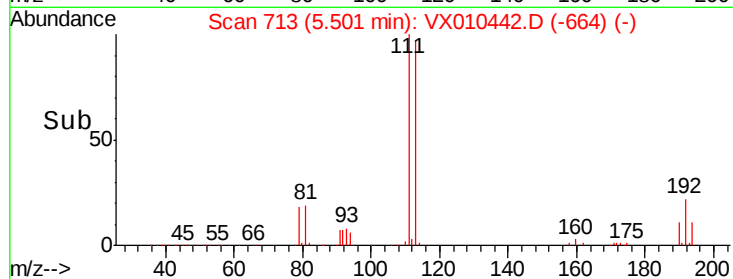
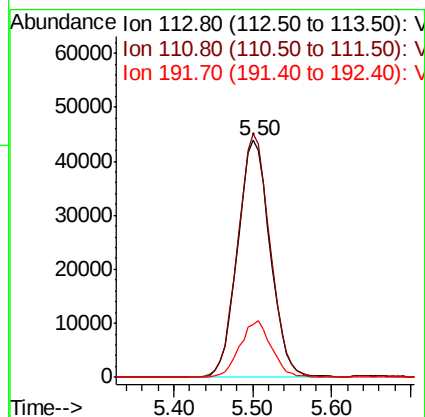
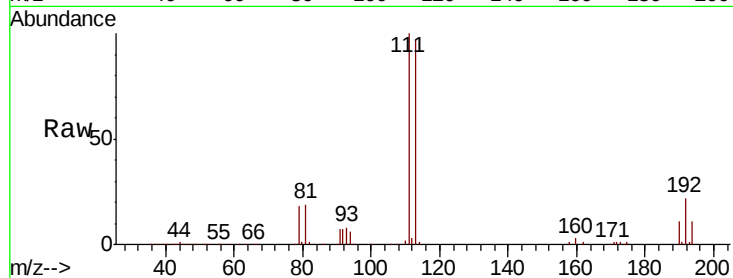




#35
 Dibromofluoromethane
 Concen: 49.369 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010442.D
 Acq: 25 Jun 2019 18:38

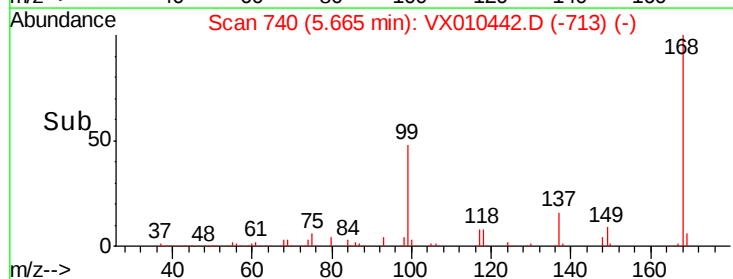
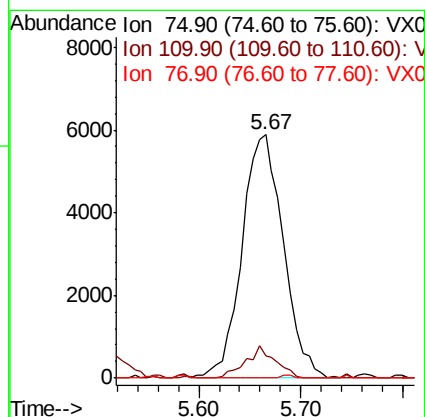
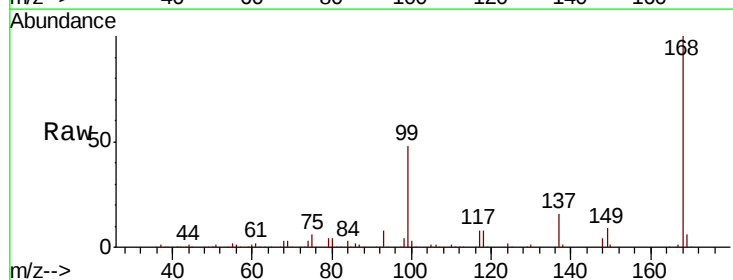
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-19-JMW0801B

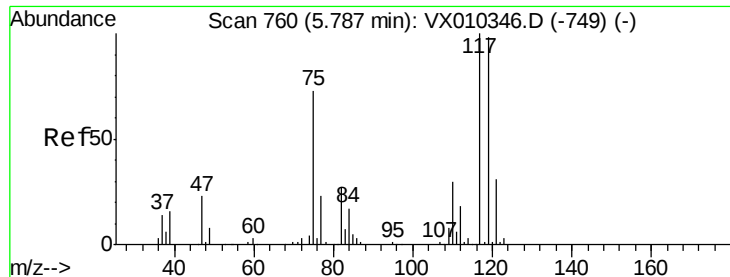
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.2	121.8
192	22.9	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010442.D
 Acq: 25 Jun 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	20.8	62.2#
77	0.0	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.711 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

SP-19-JMW0801B

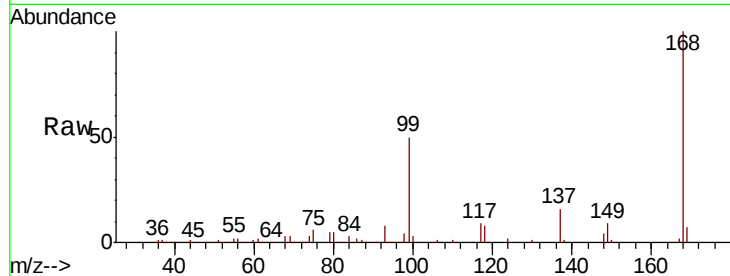
Tot Ion:117 Resp: 24092

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.4#

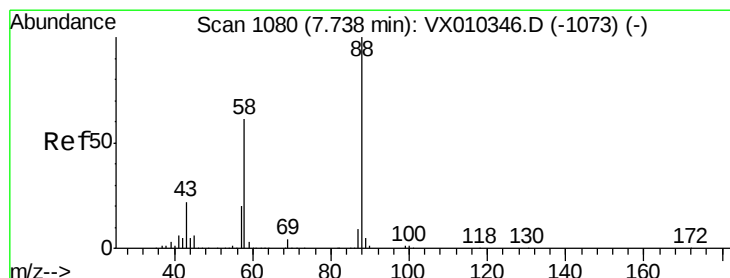
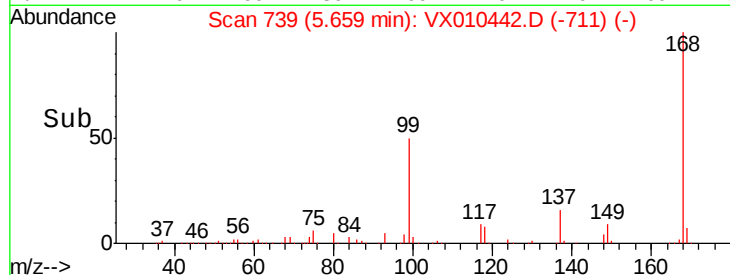
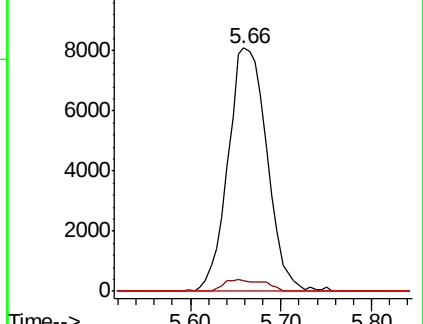
121 0.0 24.7 37.1#



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: 0.278 ug/l

RT: 7.97 min Scan# 1118

Delta R.T. 0.23 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

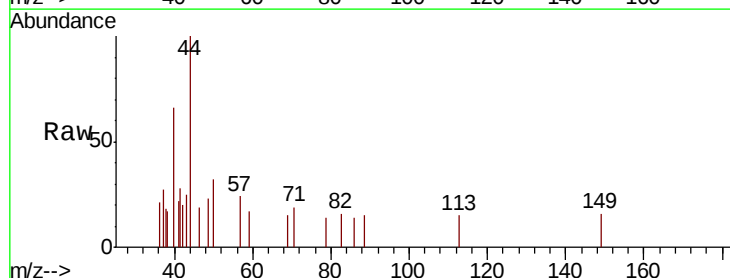
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 781.0 20.2 30.2#

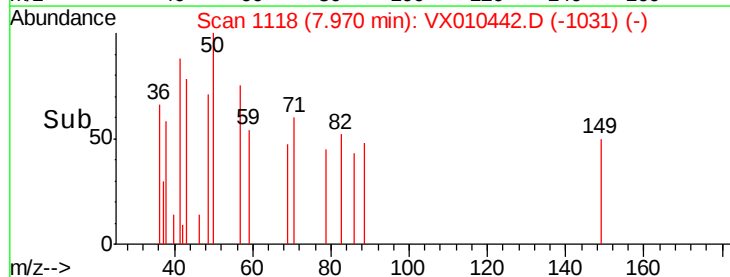
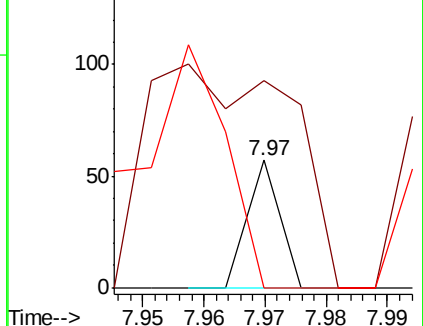
58 495.2 49.5 74.3#

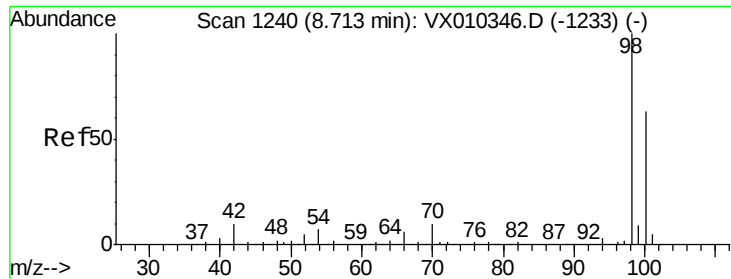


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.162 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

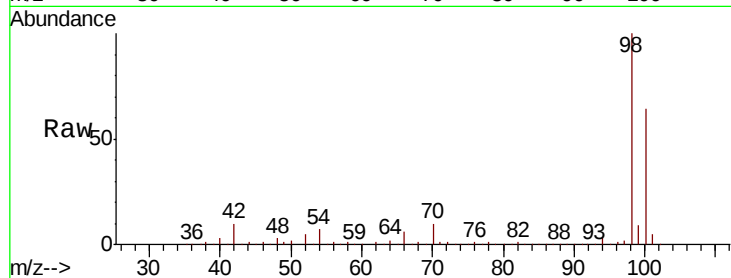
SP-19-JMW0801B

Tot Ion: 98 Resp: 489866

Ion Ratio Lower Upper

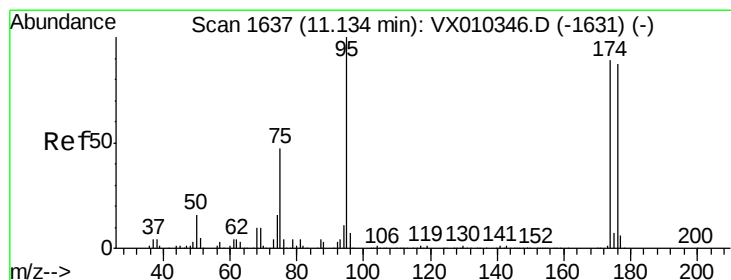
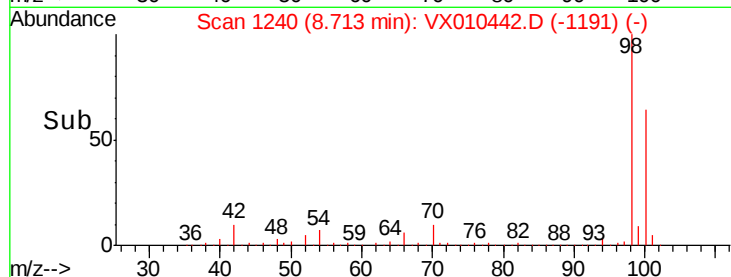
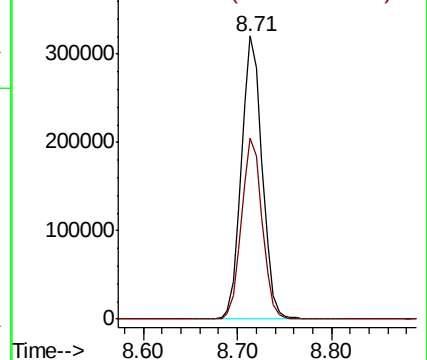
98 100

100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.422 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

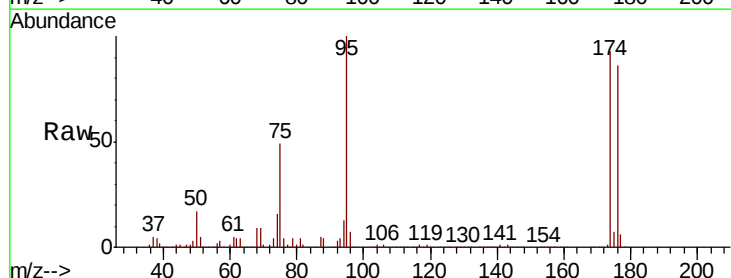
Tgt Ion: 95 Resp: 160144

Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.6

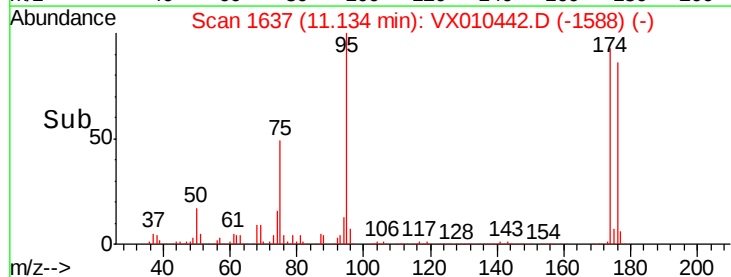
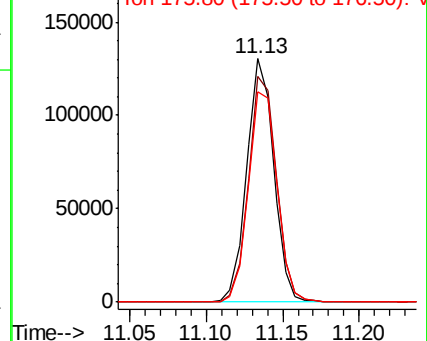
176 91.9 0.0 184.0

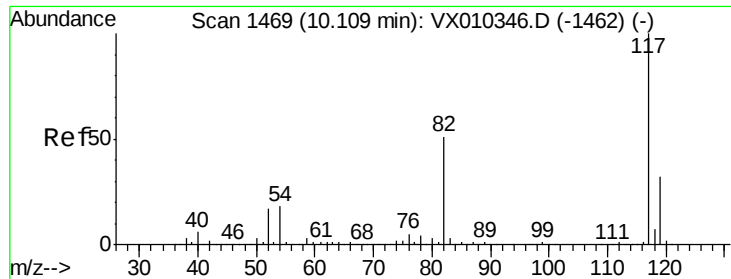


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

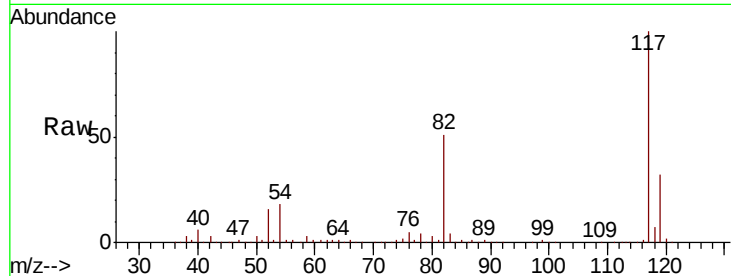




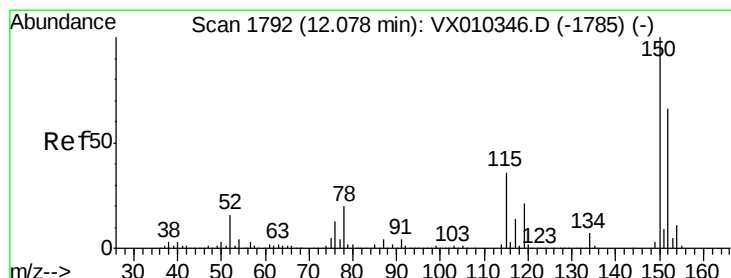
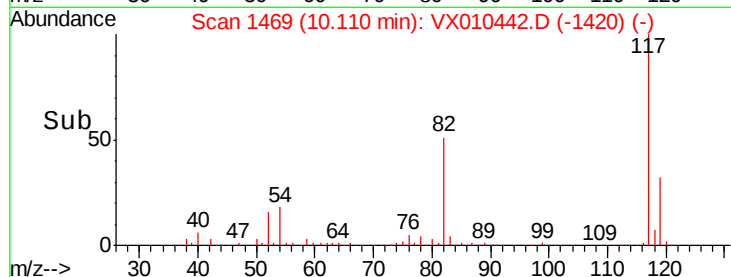
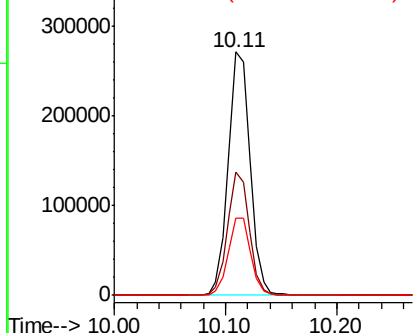
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010442.D
Acq: 25 Jun 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
SP-19-JMW0801B

Tot Ion:117 Resp: 371666
Ion Ratio Lower Upper
117 100
82 50.5 41.2 61.8
119 31.7 25.5 38.3

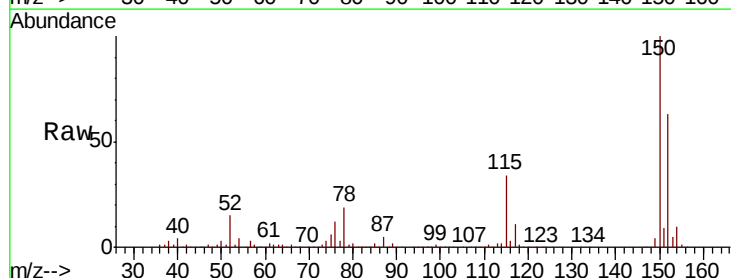


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

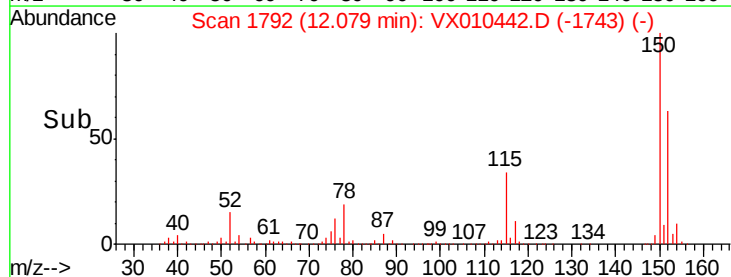
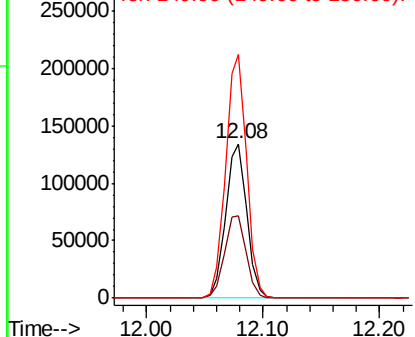


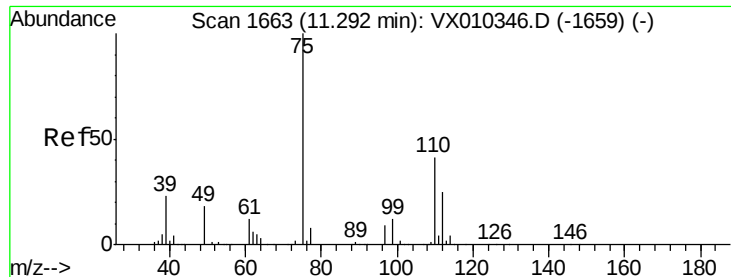
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010442.D
Acq: 25 Jun 2019 18:38

Tgt Ion:152 Resp: 168457
Ion Ratio Lower Upper
152 100
115 54.6 38.6 115.7
150 156.5 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





#76

1,2,3-Trichloropropane

Concen: 25.092 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

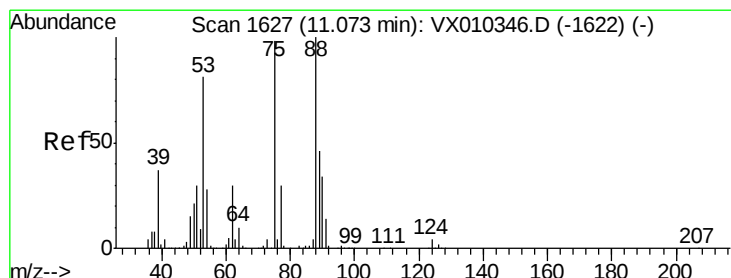
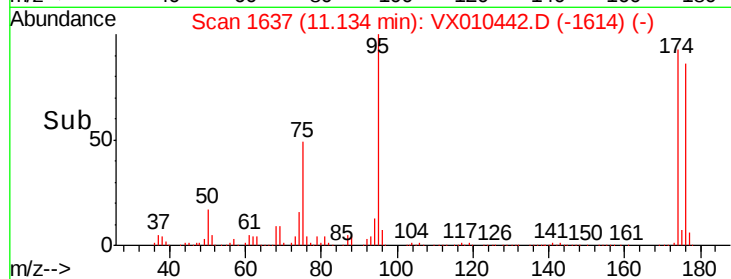
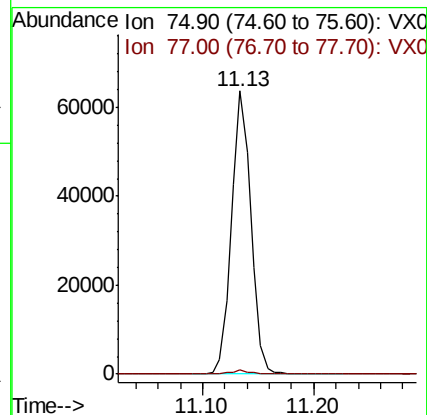
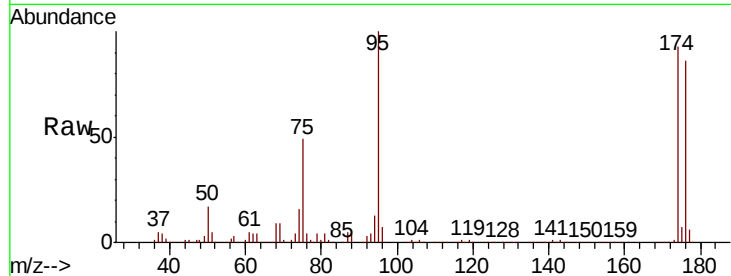
SP-19-JMW0801B

Tot Ion: 75 Resp: 77025

Ion Ratio Lower Upper

75 100

77 1.5 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.537 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010442.D

Acq: 25 Jun 2019 18:38

Tgt Ion: 75 Resp: 77025

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#

