

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008394.D
 Acq On : 24 Mar 2019 16:05
 Operator : JC/SP
 Sample : K1969-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-DUP06-20190316

Quant Time: Mar 25 05:46:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	223465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137631	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	167552	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	5.49	113	120806	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.71	98	483138	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.13	95	163886	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	

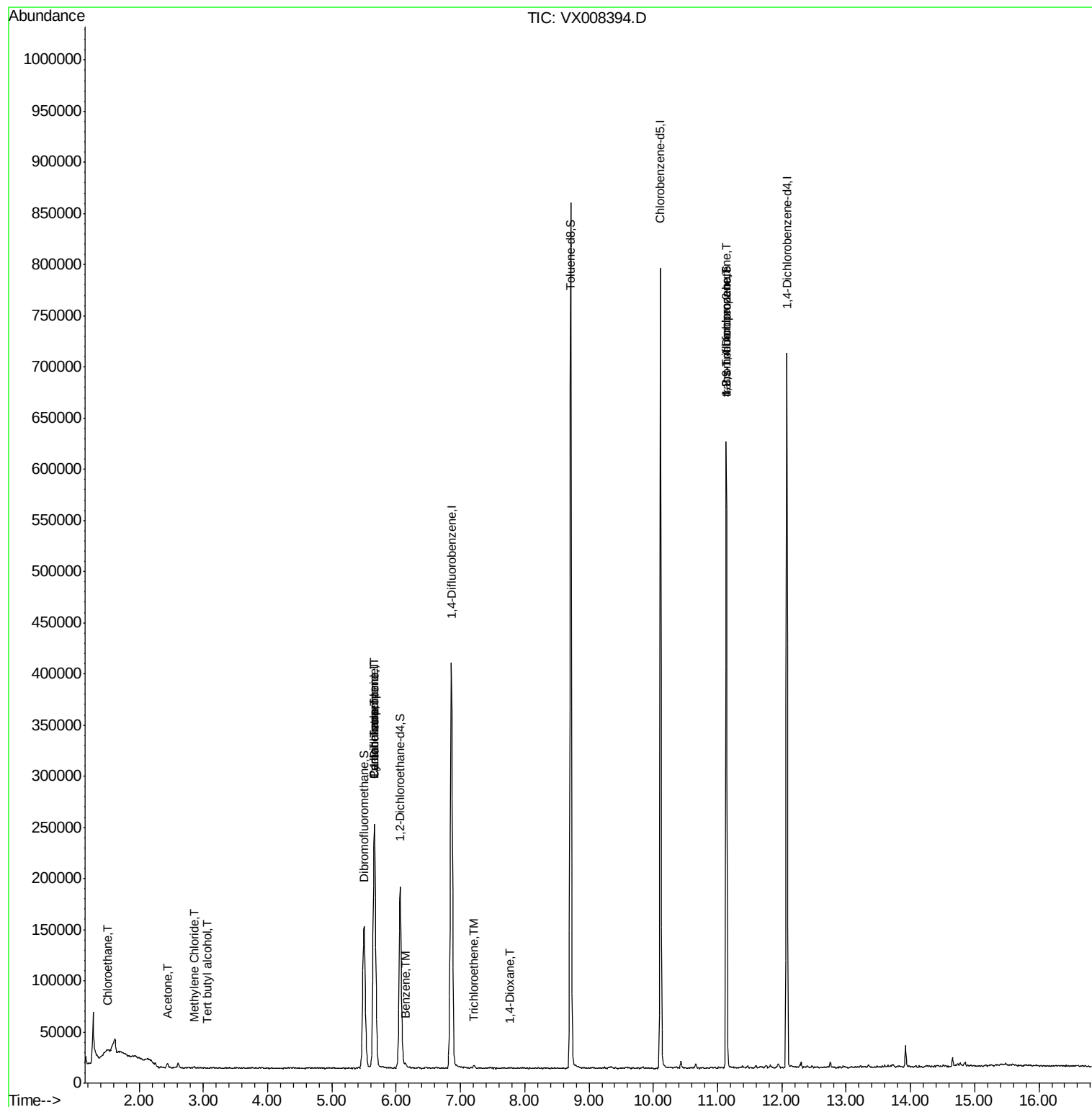
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.52	64	19304	9.005	ug/l #	52
11) Tert butyl alcohol	3.06	59	226	0.298	ug/l #	73
16) Acetone	2.45	43	4135	2.427	ug/l	100
20) Methylene Chloride	2.86	84	694	0.226	ug/l #	80
31) Cyclohexane	5.65	56	5585	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	19599	4.984	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22590	6.702	ug/l #	16
40) Benzene	6.14	78	3543	0.296	ug/l	93
44) Trichloroethene	7.21	130	821	0.295	ug/l	79
49) 1,4-Dioxane	7.77	88	22	0.261	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	84856	23.555	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	84856	67.125	ug/l #	11

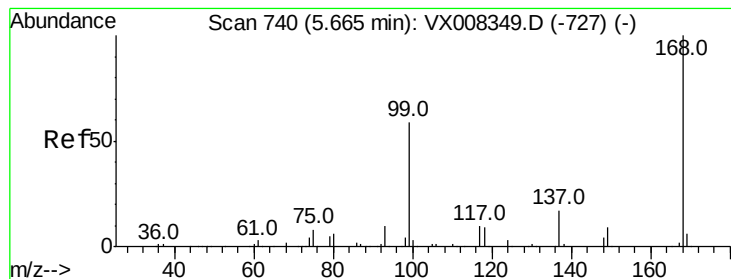
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

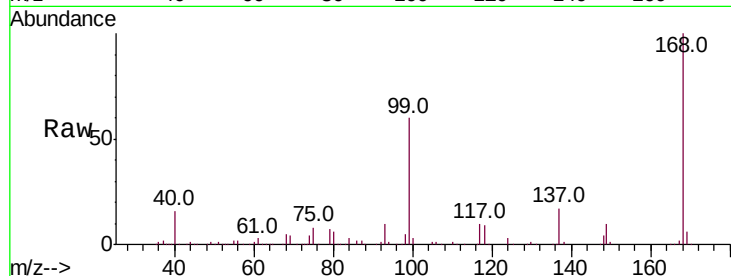
BP-TT-DUP06-20190316

Tot Ion:168 Resp: 223465

Ion Ratio Lower Upper

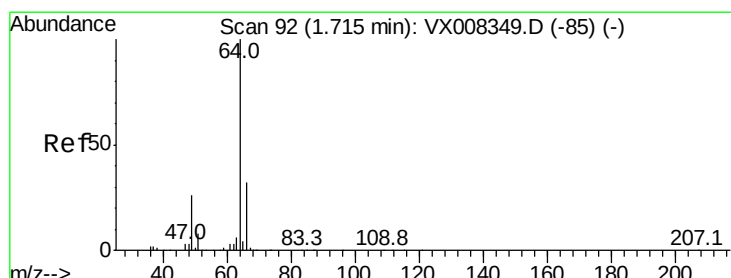
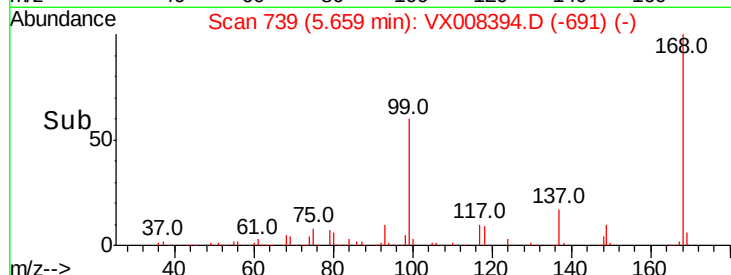
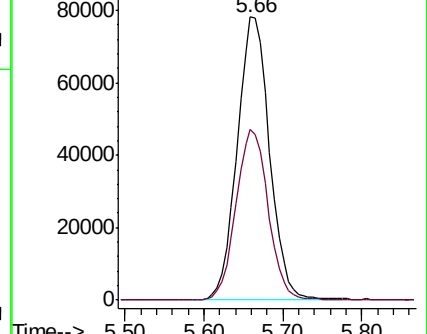
168 100

99 60.1 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 9.005 ug/l

RT: 1.52 min Scan# 60

Delta R.T. -0.19 min

Lab File: VX008394.D

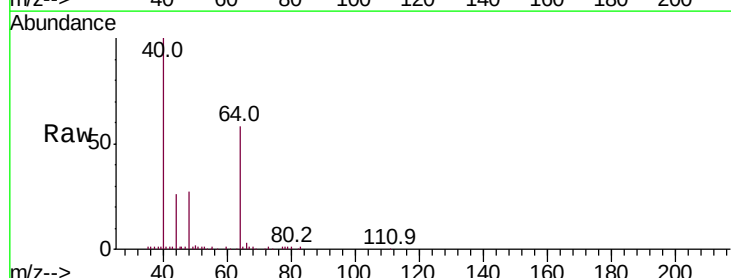
Acq: 24 Mar 2019 16:05

Tgt Ion: 64 Resp: 19304

Ion Ratio Lower Upper

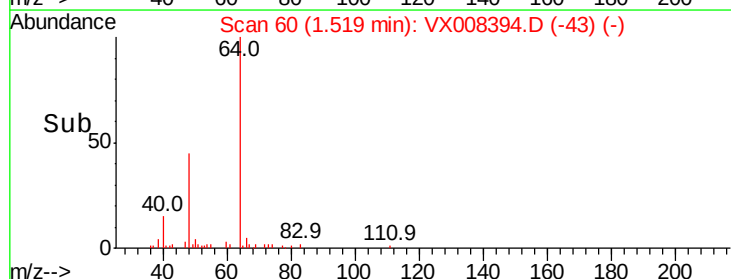
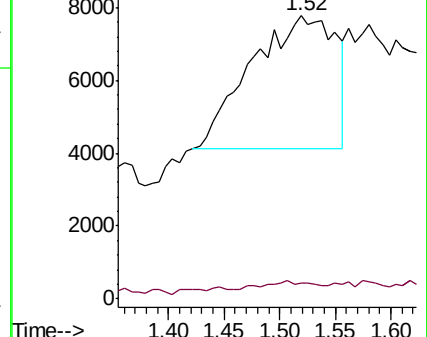
64 100

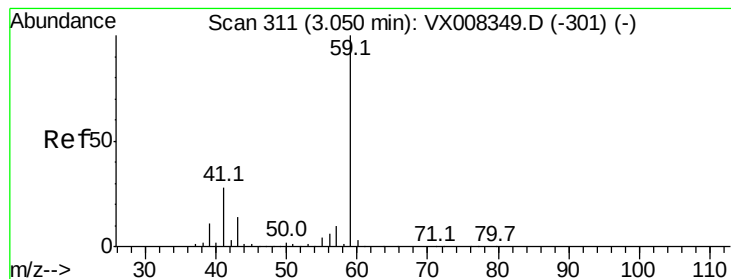
66 4.8 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



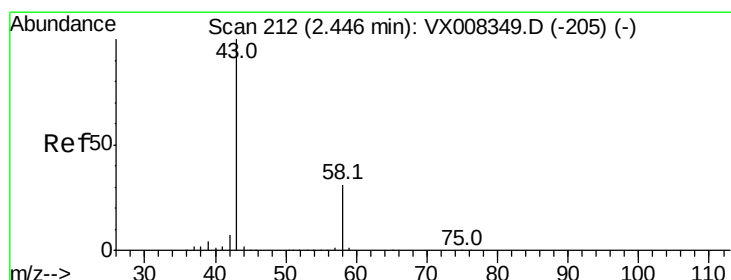
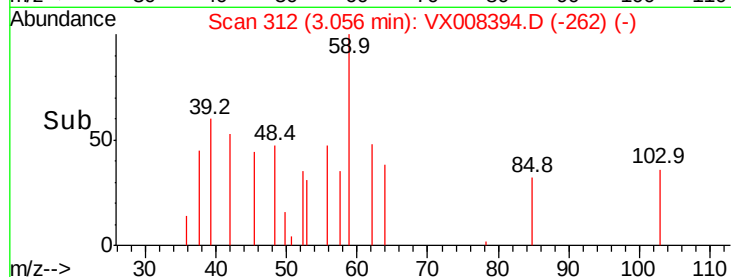
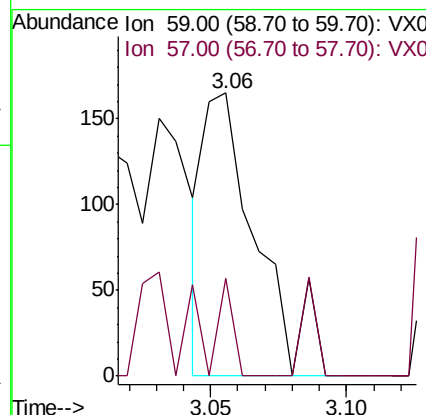
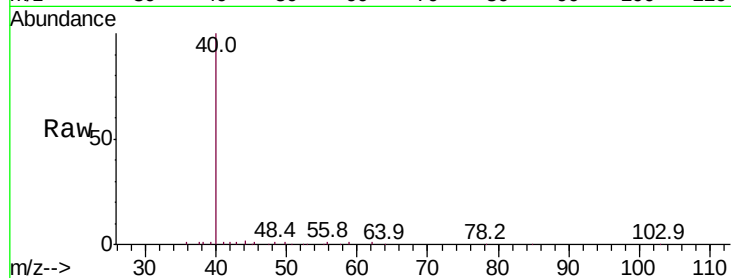


#11

Tert butyl alcohol
Concen: 0.298 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX008394.D
Acq: 24 Mar 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-DUP06-20190316

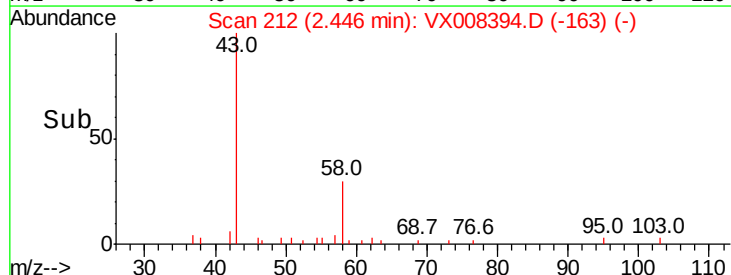
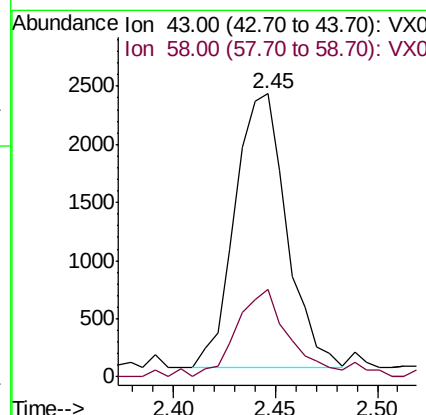
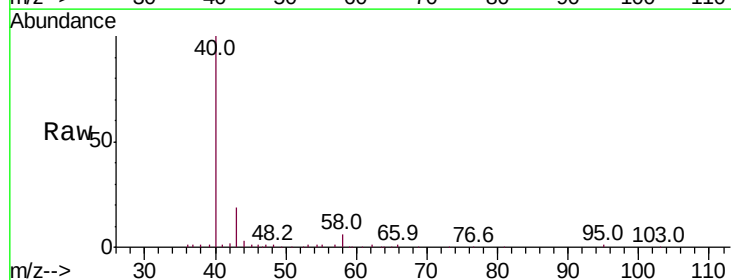
Tot Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

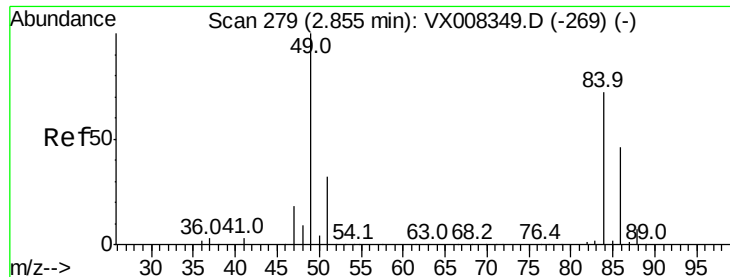


#16

Acetone
Concen: 2.427 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008394.D
Acq: 24 Mar 2019 16:05

Tgt Ion: 43 Resp: 4135
Ion Ratio Lower Upper
43 100
58 32.0 25.5 38.3

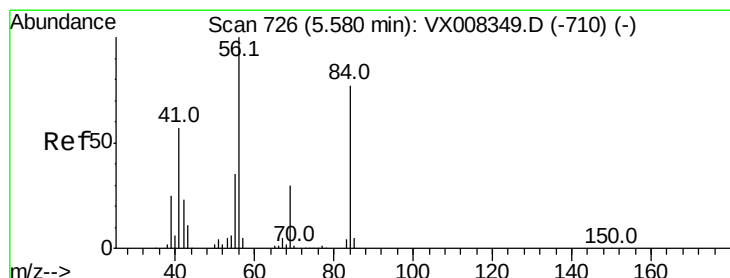
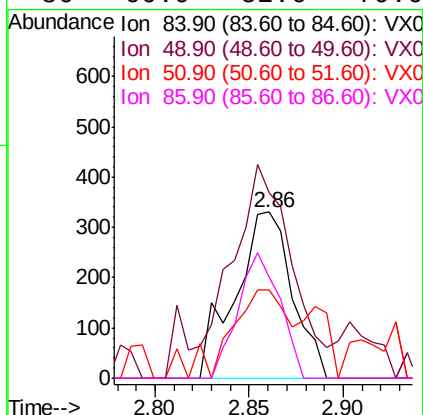
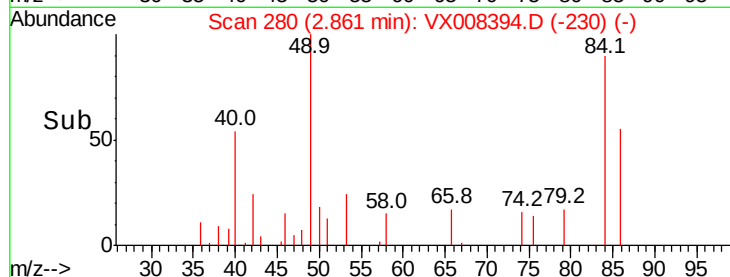
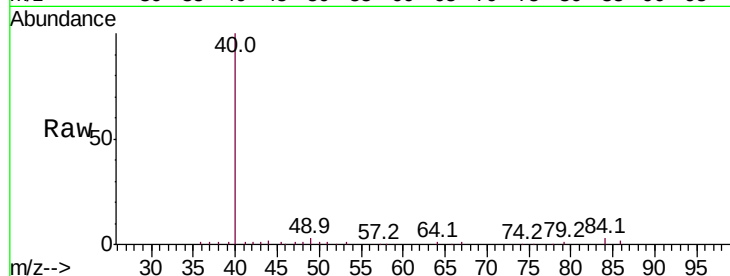




#20
Methvlene Chloride
Concen: 0.226 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008394.D
Acq: 24 Mar 2019 16:05

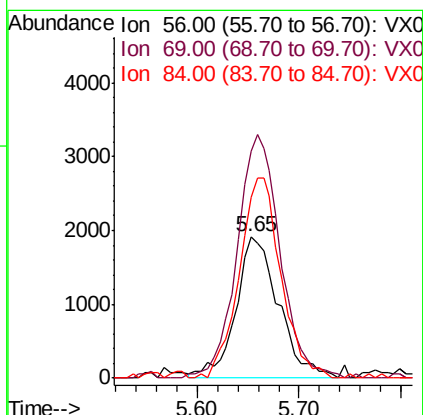
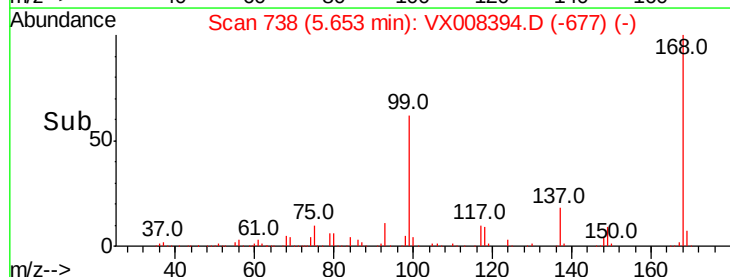
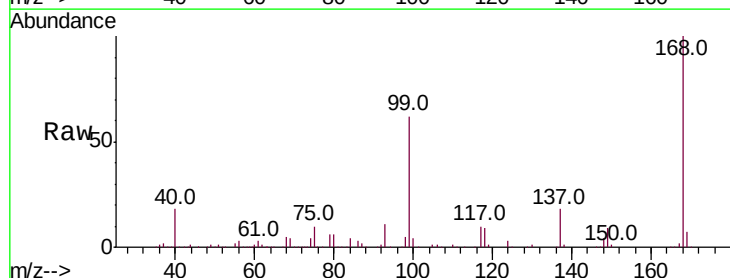
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-DUP06-20190316

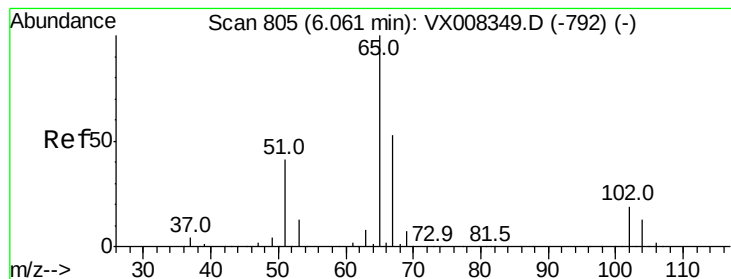
Tot Ion:	84	Resp:	694
Ion	Ratio	Lower	Upper
84	100		
49	94.8	99.3	148.9#
51	53.3	31.3	46.9#
86	60.9	52.6	79.0



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX008394.D
Acq: 24 Mar 2019 16:05

Tgt Ion:	56	Resp:	5585
Ion	Ratio	Lower	Upper
56	100		
69	158.0	24.0	36.0#
84	127.9	65.3	97.9#





#33

1,2-Dichloroethane-d4

Concen: 49.160 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

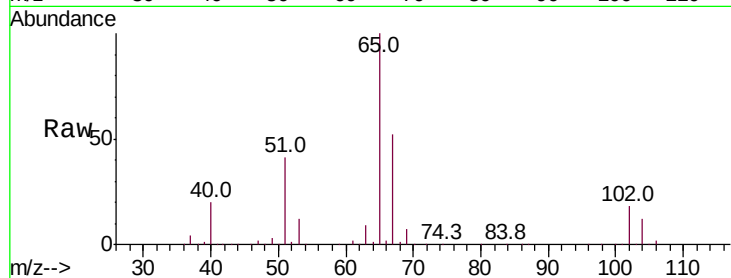
BP-TT-DUP06-20190316

Tot Ion: 65 Resp: 167552

Ion Ratio Lower Upper

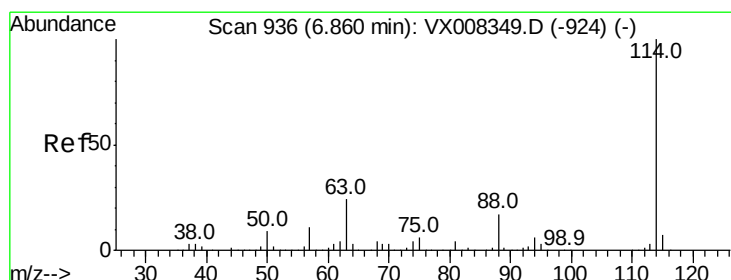
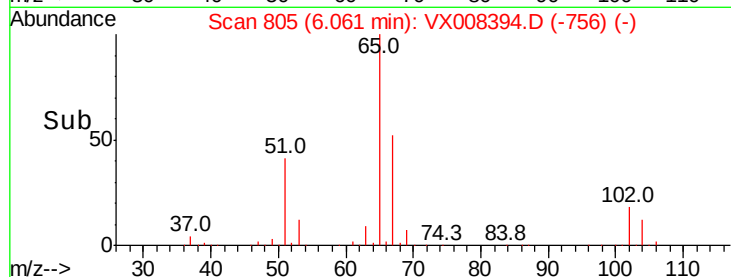
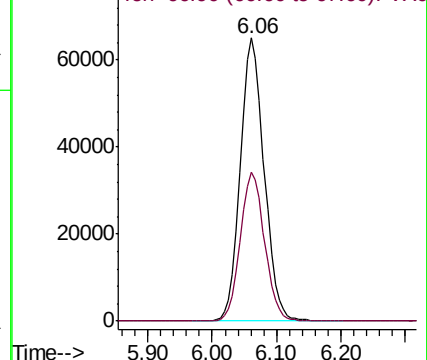
65 100

67 53.4 0.0 110.0



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: VX008394.D

Acq: 24 Mar 2019 16:05

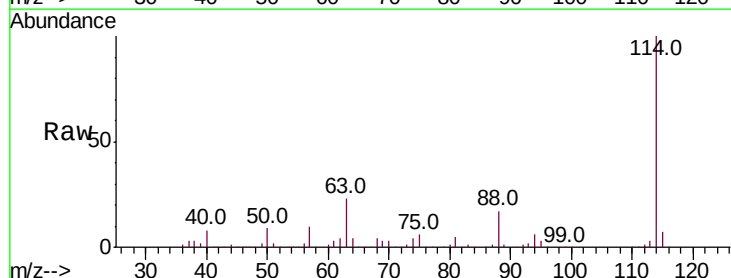
Tgt Ion: 114 Resp: 384825

Ion Ratio Lower Upper

114 100

63 23.5 0.0 39.8

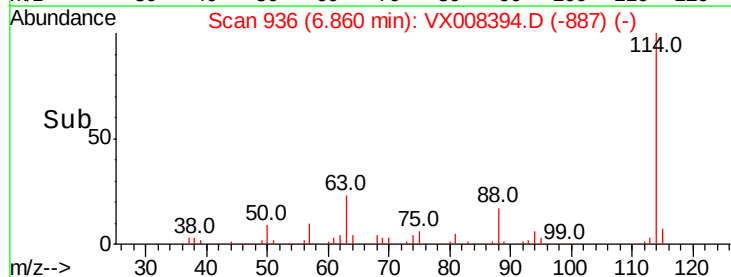
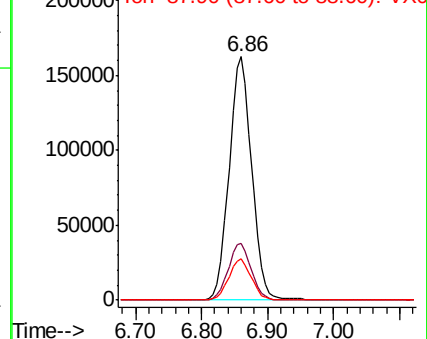
88 17.1 0.0 31.4

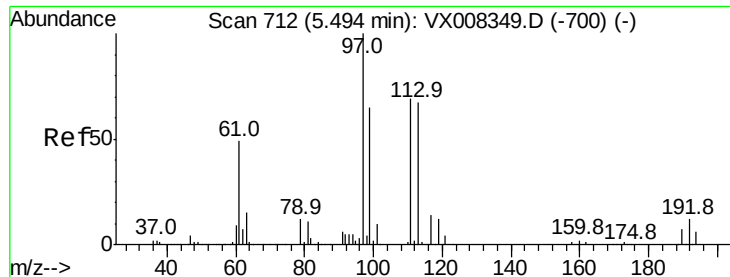


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.453 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-DUP06-20190316

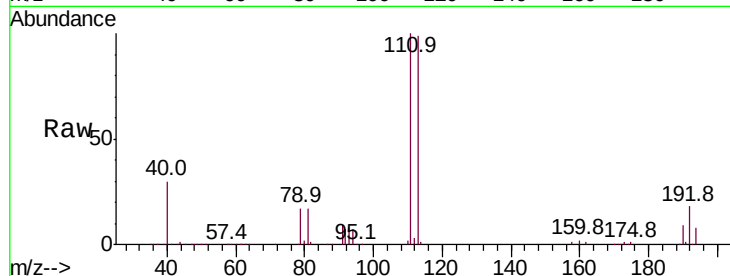
Tot Ion:113 Resp: 120806

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

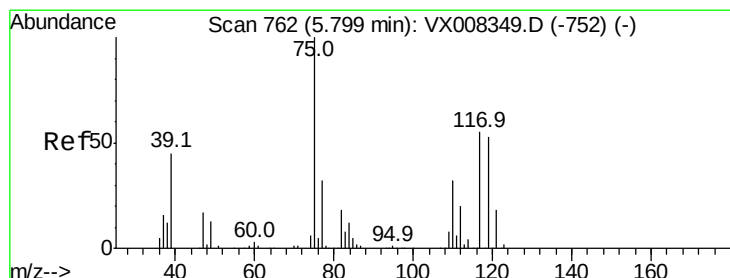
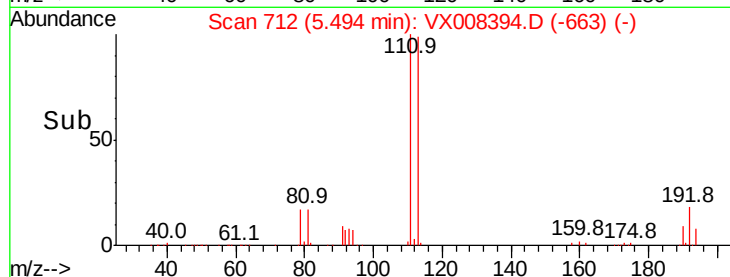
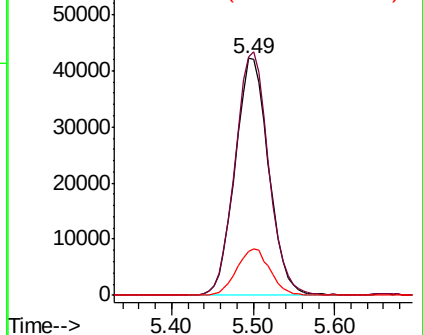
192 19.3 19.4 29.0#



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: 4.984 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

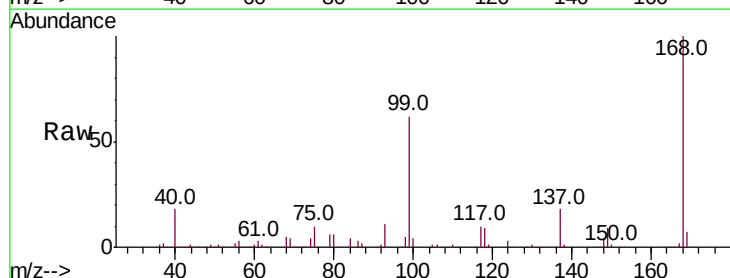
Tgt Ion: 75 Resp: 19599

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.0#

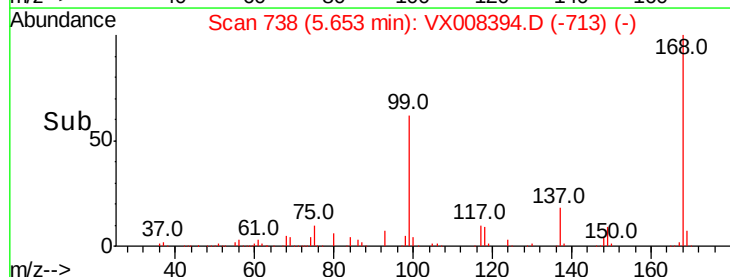
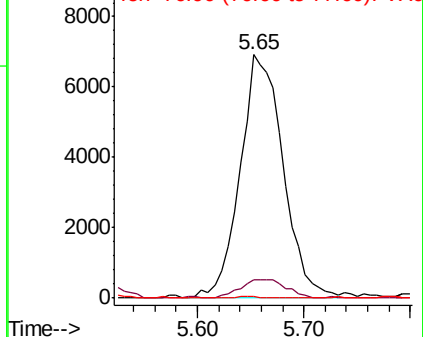
77 0.3 25.0 37.4#

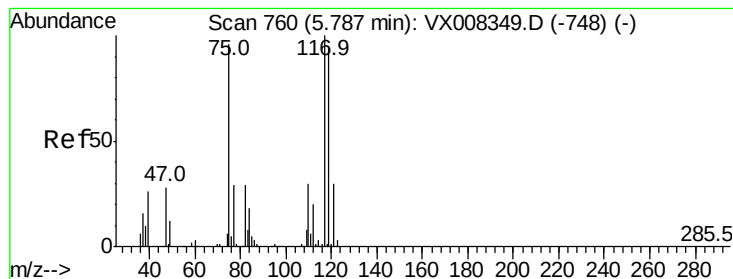


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.702 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

Instrument :

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ClientSampleId :

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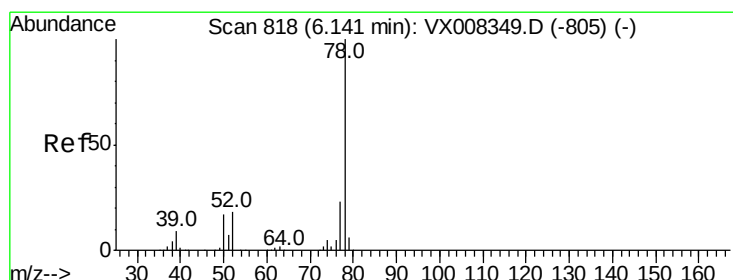
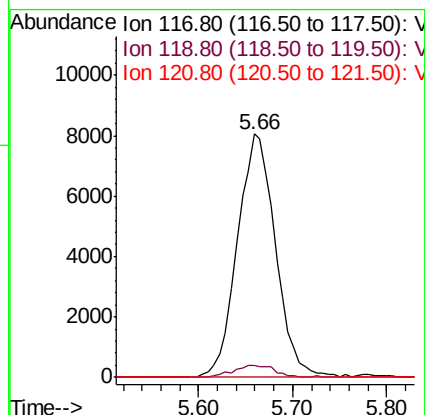
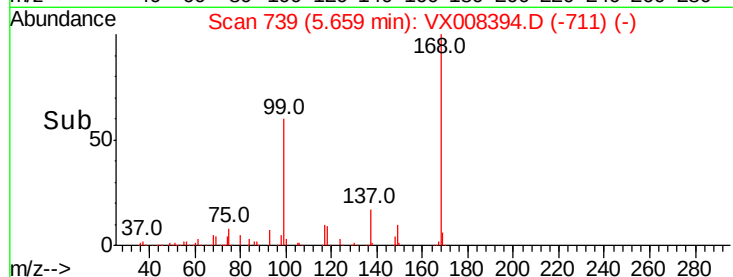
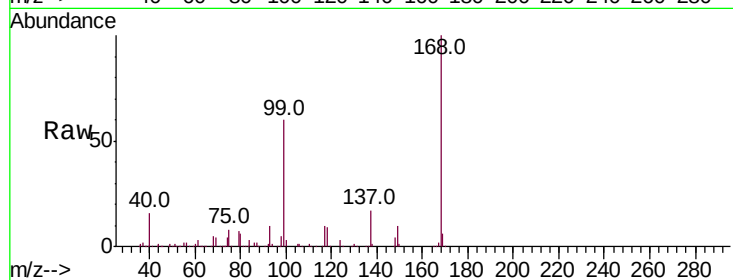
Tot Ion:117 Resp: 22590

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

121 0.0 24.6 36.8#



#40

Benzene

Concen: 0.296 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008394.D

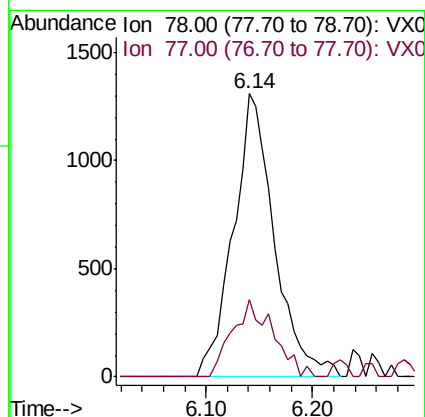
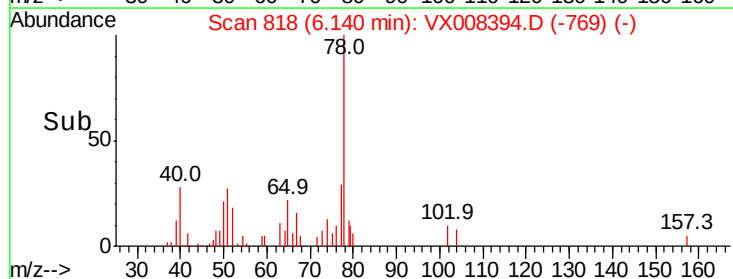
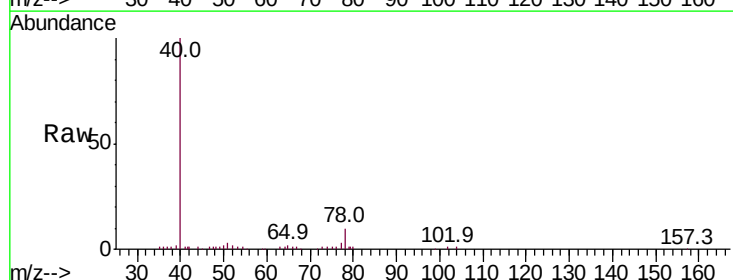
Acq: 24 Mar 2019 16:05

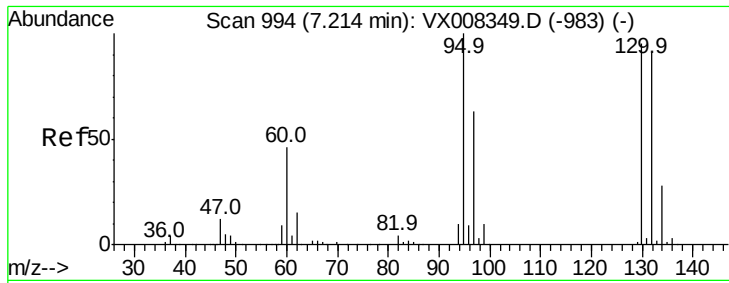
Tgt Ion: 78 Resp: 3543

Ion Ratio Lower Upper

78 100

77 27.3 19.0 28.4





#44

Trichloroethene

Concen: 0.295 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

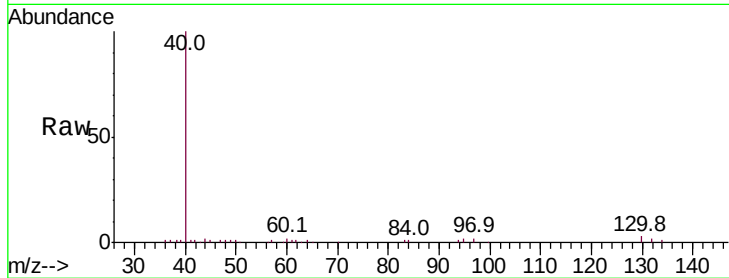
BP-TT-DUP06-20190316

Tot Ion:130 Resp: 821

Ion Ratio Lower Upper

130 100

95 74.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VX0

Ion 94.90 (94.60 to 95.60): VX0

7.21

400

300

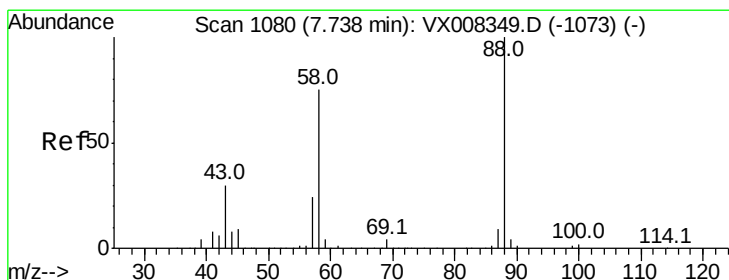
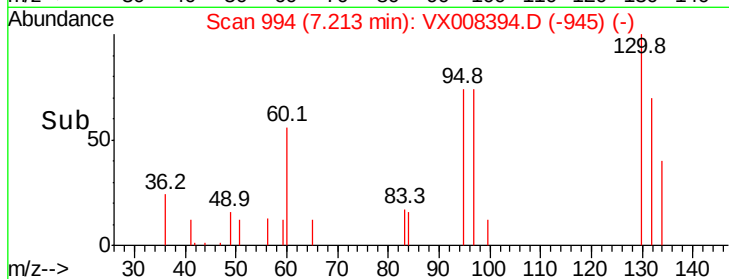
200

100

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 0.261 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

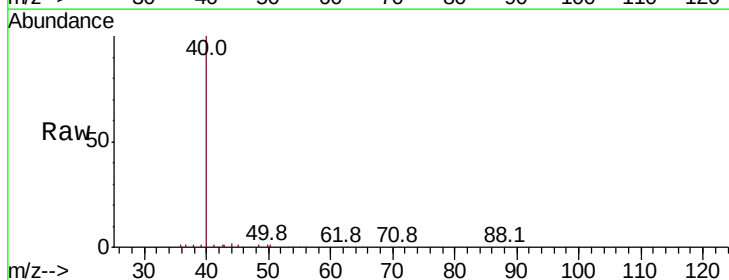
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

58 0.0 57.8 86.6#



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

120

100

80

60

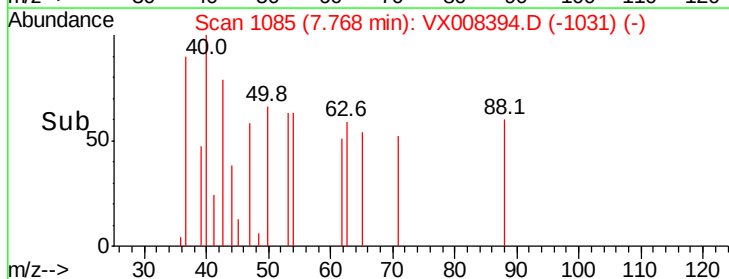
40

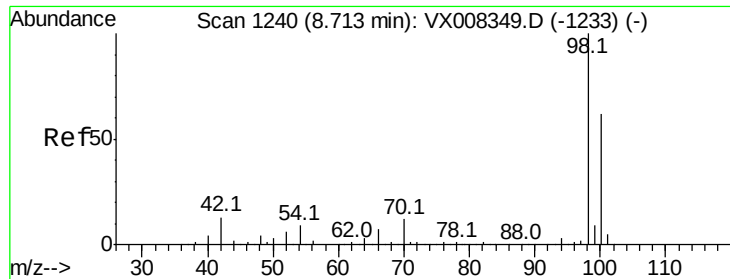
20

0

7.75 7.76 7.77 7.78

Time-->





#50

Toluene-d8

Concen: 48.992 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

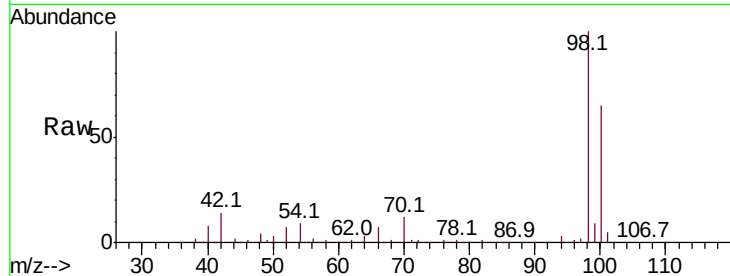
BP-TT-DUP06-20190316

Tot Ion: 98 Resp: 483138

Ion Ratio Lower Upper

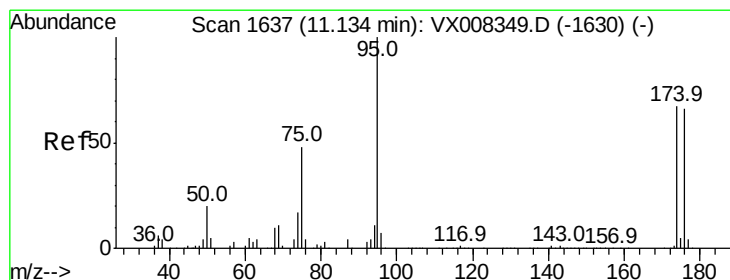
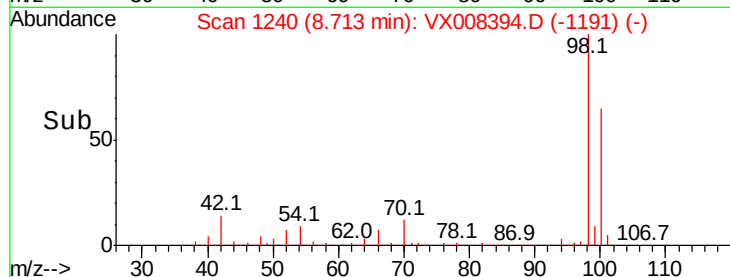
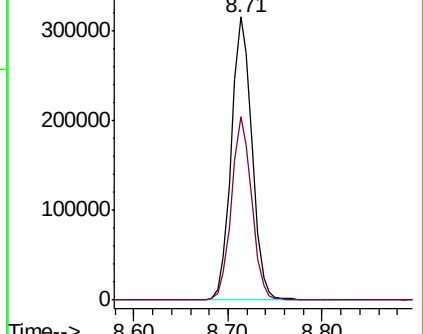
98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.263 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

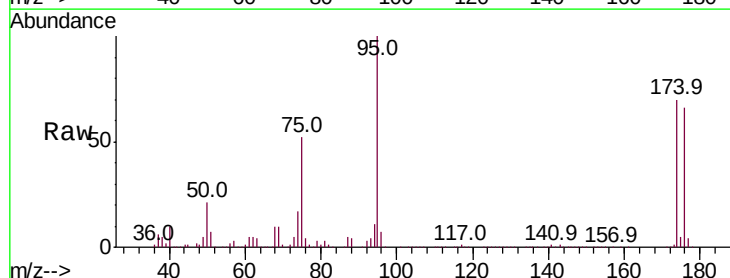
Tgt Ion: 95 Resp: 163886

Ion Ratio Lower Upper

95 100

174 73.1 0.0 182.8

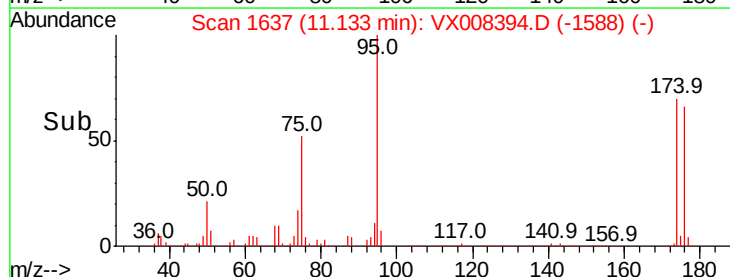
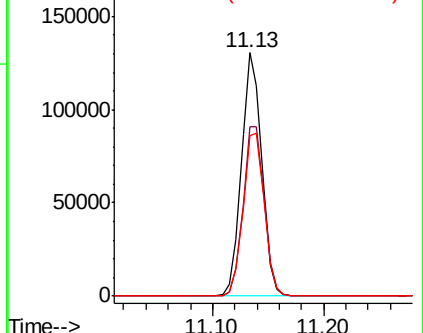
176 70.1 0.0 178.0

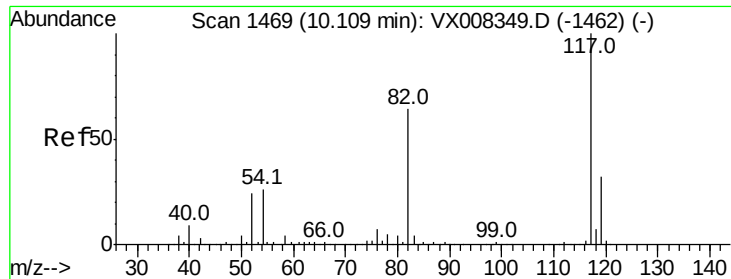


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

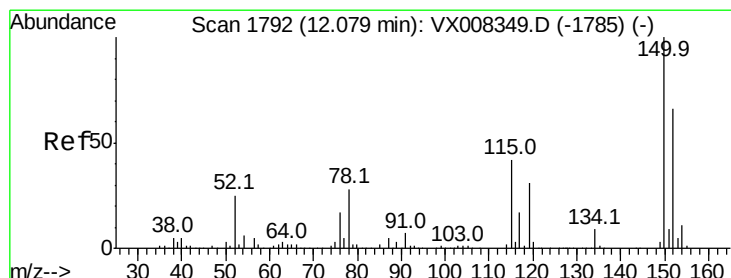
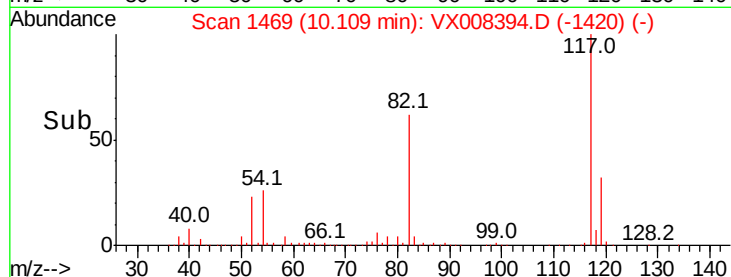
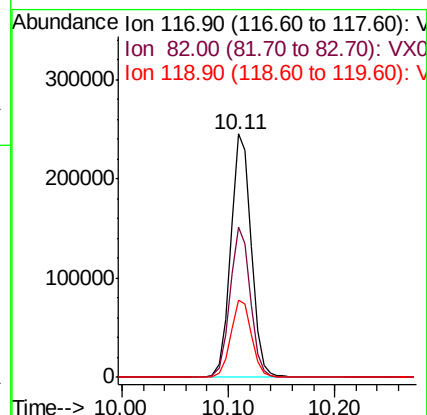
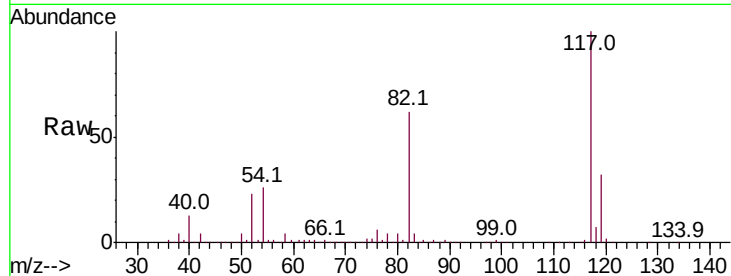




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008394.D
Acq: 24 Mar 2019 16:05

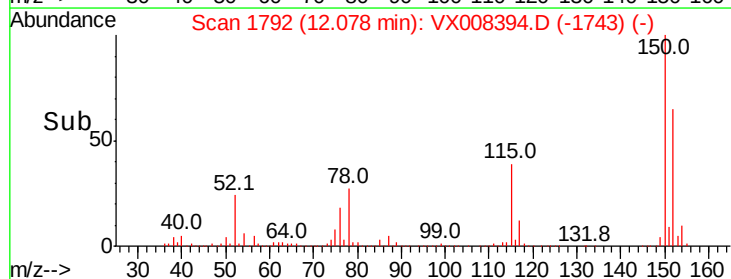
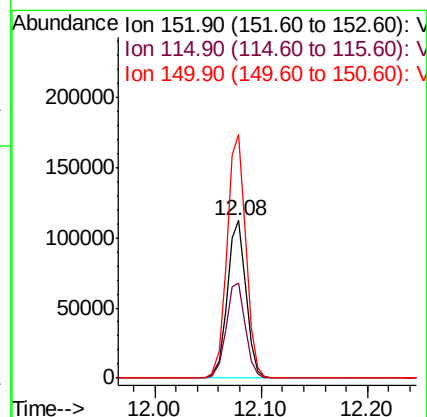
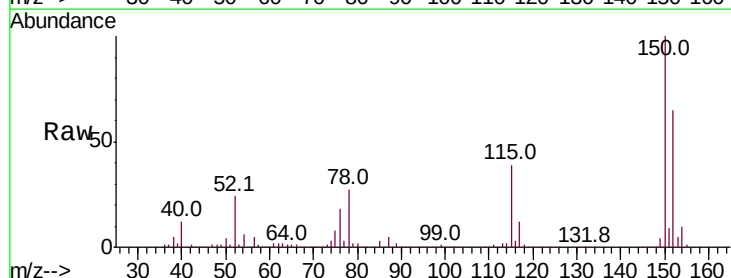
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-DUP06-20190316

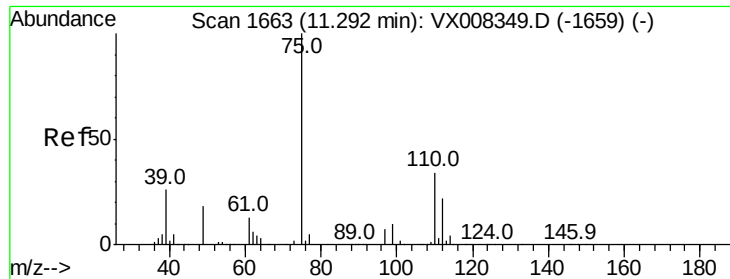
Tot Ion:117 Resp: 331644
Ion Ratio Lower Upper
117 100
82 61.8 44.3 66.5
119 31.7 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008394.D
Acq: 24 Mar 2019 16:05

Tgt Ion:152 Resp: 137631
Ion Ratio Lower Upper
152 100
115 62.0 38.6 115.7
150 156.0 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 23.555 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

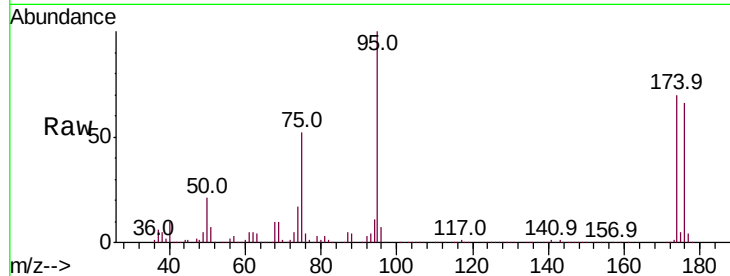
BP-TT-DUP06-20190316

Tot Ion: 75 Resp: 84856

Ion Ratio Lower Upper

75 100

77 1.5 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

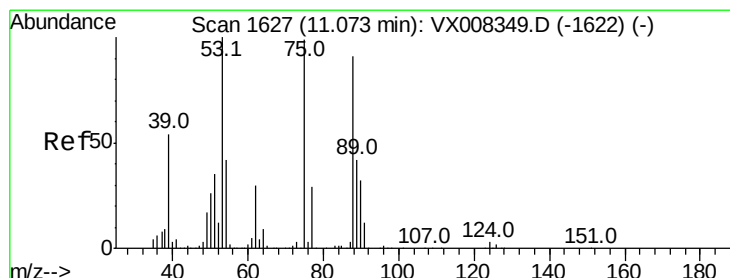
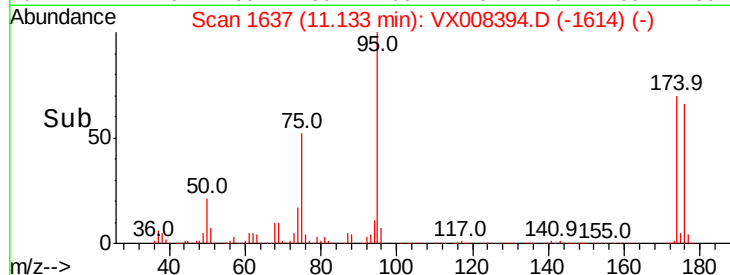
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 67.125 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008394.D

Acq: 24 Mar 2019 16:05

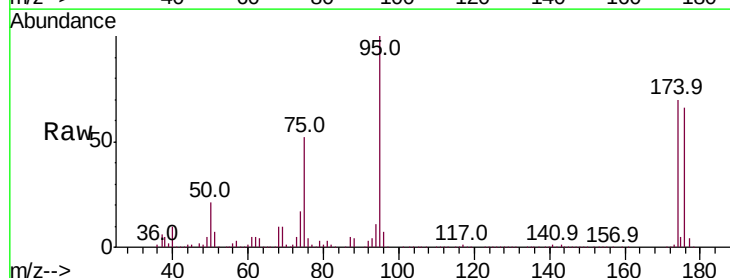
Tgt Ion: 75 Resp: 84856

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



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

11.13

80000

60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20

