

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008395.D
 Acq On : 24 Mar 2019 16:28
 Operator : JC/SP
 Sample : K1969-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW10-20190316

Quant Time: Mar 25 05:46:54 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	5.67	168	216207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117631	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	160215	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
35) Dibromofluoromethane	5.50	113	116951	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	8.71	98	467955	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	147771	42.14	ug/l	0.00
Spiked Amount			Recovery	=	84.28%	

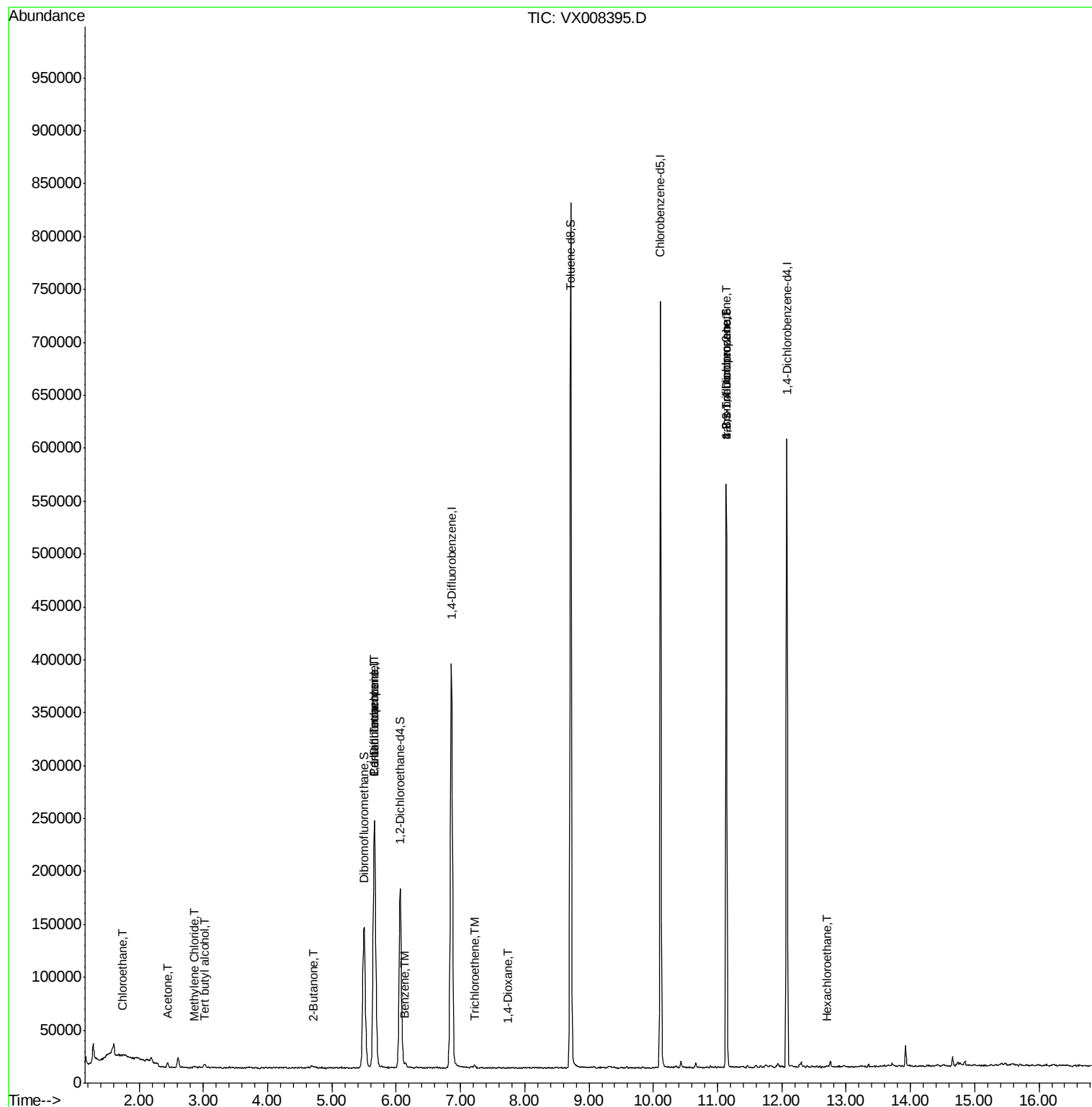
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	527	0.254	ug/l #	52
11) Tert butyl alcohol	3.01	59	1972	2.685	ug/l #	94
16) Acetone	2.44	43	4906	2.976	ug/l	98
20) Methylene Chloride	2.86	84	605	0.204	ug/l #	74
25) 2-Butanone	4.71	43	946	0.349	ug/l #	50
36) 1,1-Dichloropropene	5.67	75	19191	5.039	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22063	6.758	ug/l #	17
40) Benzene	6.14	78	3039	0.262	ug/l	94
44) Trichloroethene	7.21	130	862	0.320	ug/l	95
49) 1,4-Dioxane	7.74	88	24	0.294	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	76488	24.842	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	76488	70.793	ug/l #	12
90) Hexachloroethane	12.70	117	344	0.262	ug/l #	1

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 15:27:34 2019
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: VX008395.D

Acq: 24 Mar 2019 16:28

Instrument :

MSVOA_X

ClientSampleId :

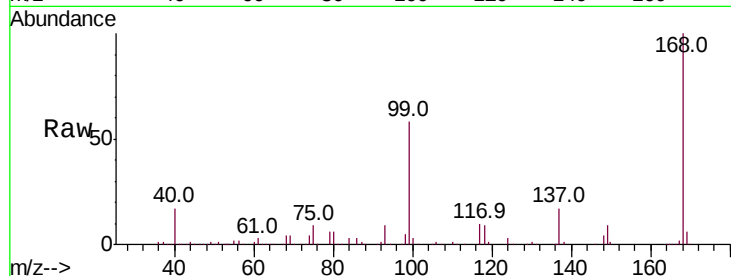
BP-TT-AOC22-MW10-20190316

Tot Ion:168 Resp: 216207

Ion Ratio Lower Upper

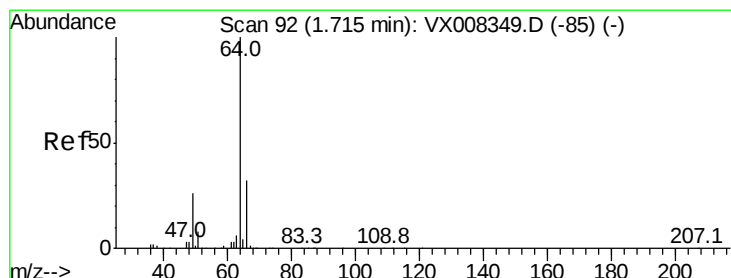
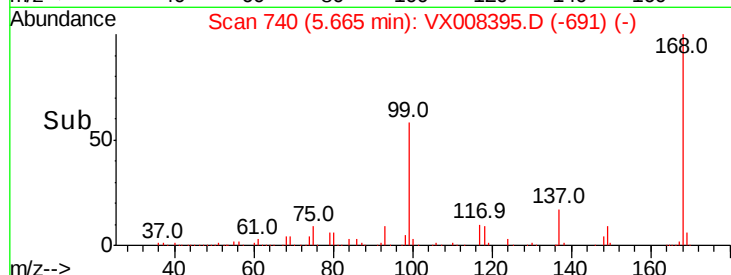
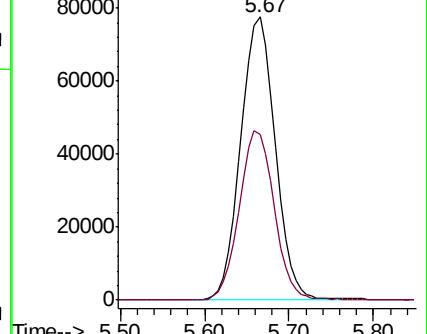
168 100

99 58.3 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: 0.254 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.03 min

Lab File: VX008395.D

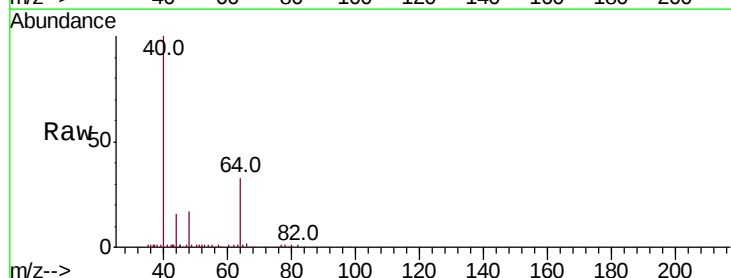
Acq: 24 Mar 2019 16:28

Tgt Ion: 64 Resp: 527

Ion Ratio Lower Upper

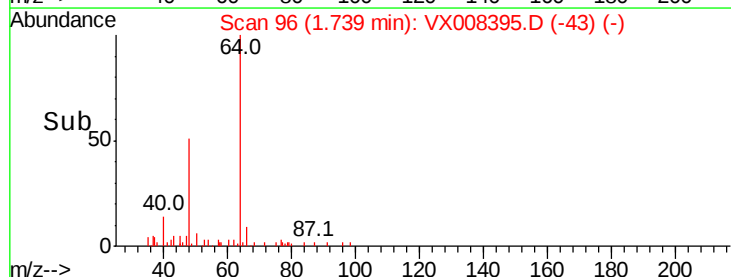
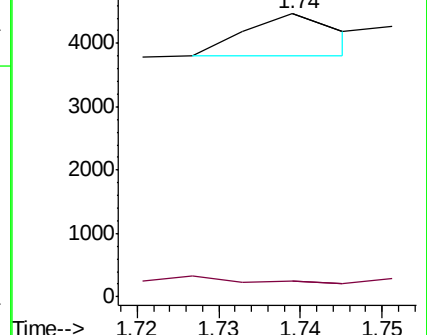
64 100

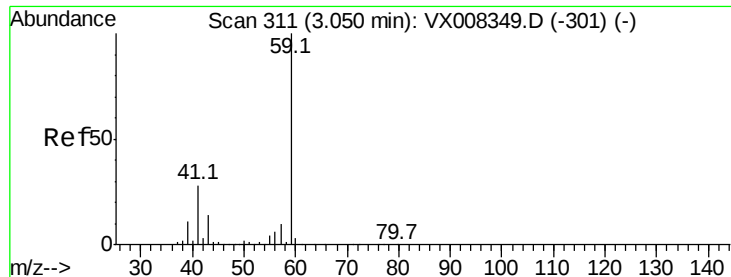
66 4.7 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

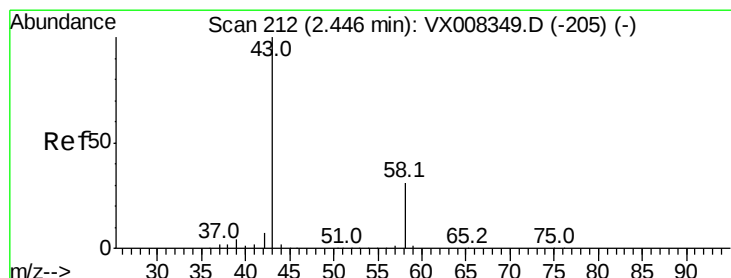
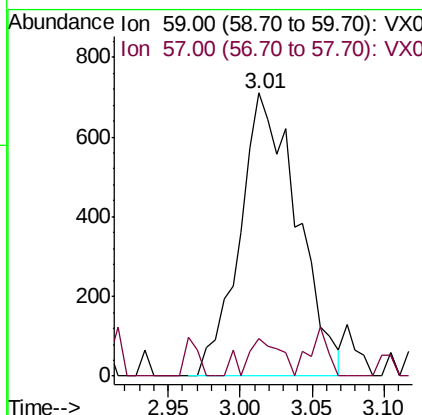
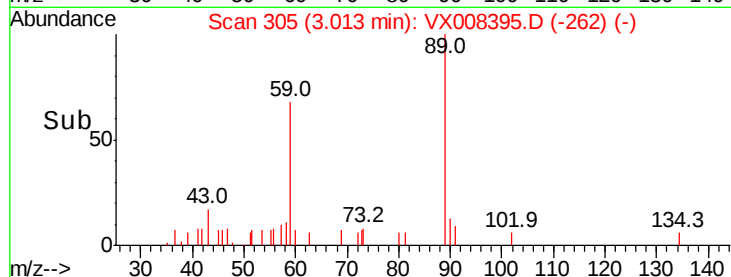
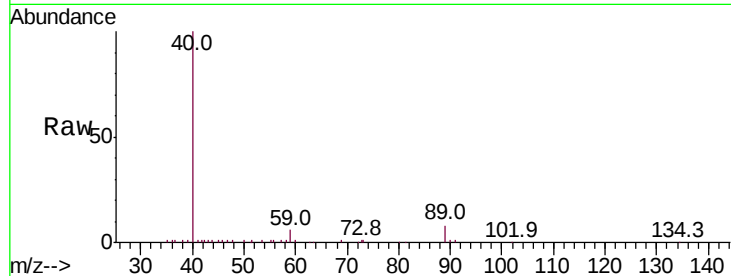




#11
Tert butyl alcohol
Concen: 2.685 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008395.D
Acq: 24 Mar 2019 16:28

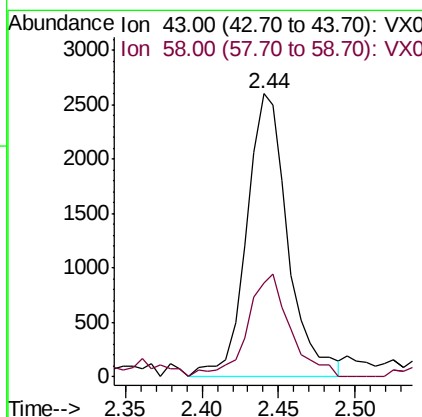
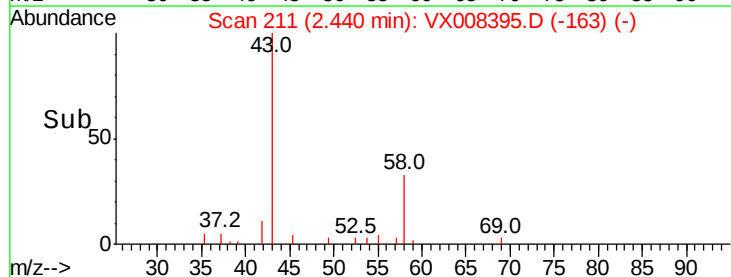
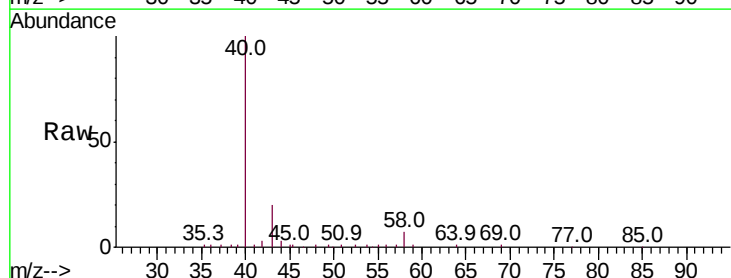
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW10-20190316

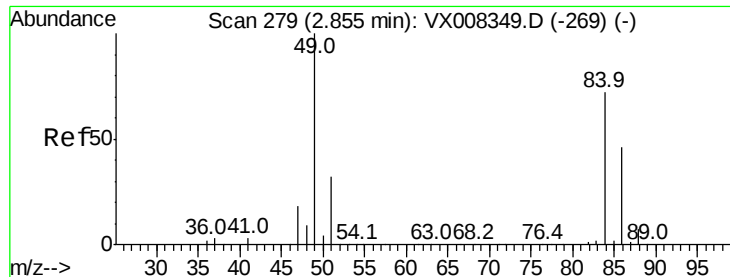
Tot Ion: 59 Resp: 1972
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.2#



#16
Acetone
Concen: 2.976 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008395.D
Acq: 24 Mar 2019 16:28

Tgt Ion: 43 Resp: 4906
Ion Ratio Lower Upper
43 100
58 33.3 25.5 38.3

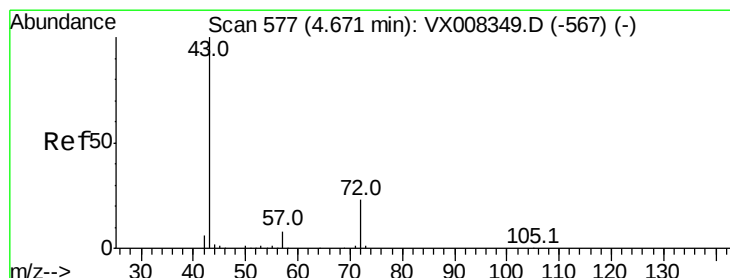
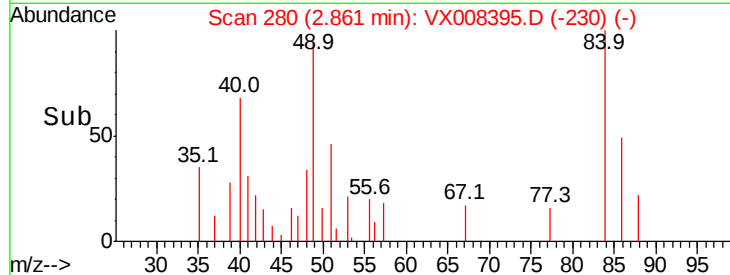
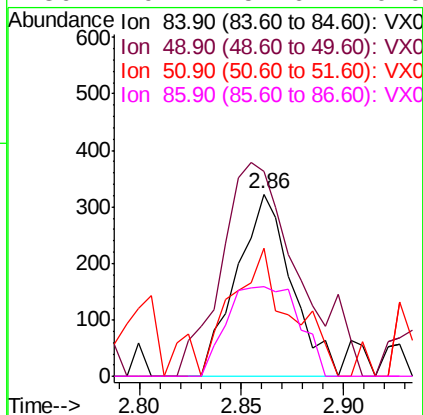
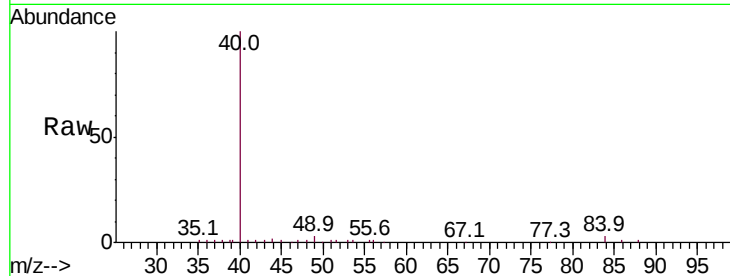




#20
Methvlene Chloride
Concen: 0.204 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008395.D
Acq: 24 Mar 2019 16:28

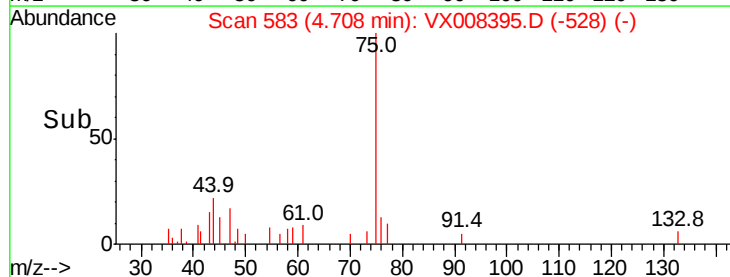
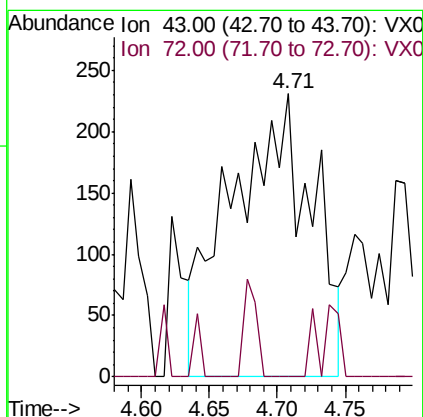
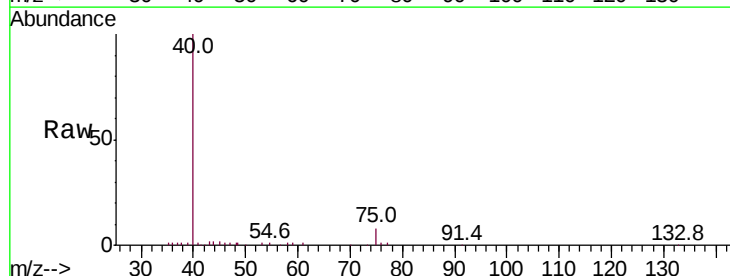
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW10-20190316

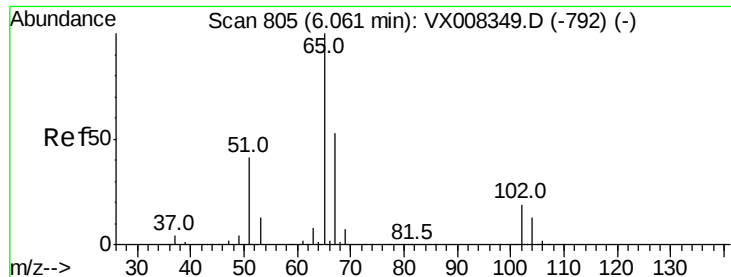
Tot Ion: 84 Resp: 605
Ion Ratio Lower Upper
84 100
49 92.5 99.3 148.9#
51 55.0 31.3 46.9#
86 49.1 52.6 79.0#



#25
2-Butanone
Concen: 0.349 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.04 min
Lab File: VX008395.D
Acq: 24 Mar 2019 16:28

Tgt Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

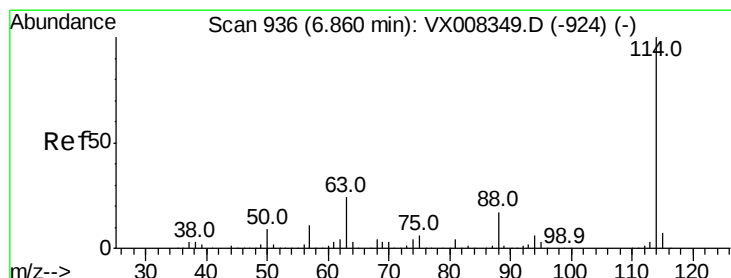
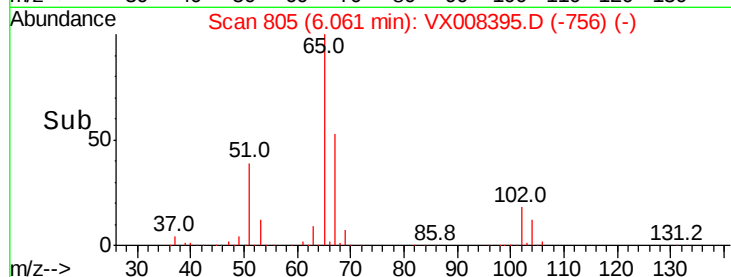
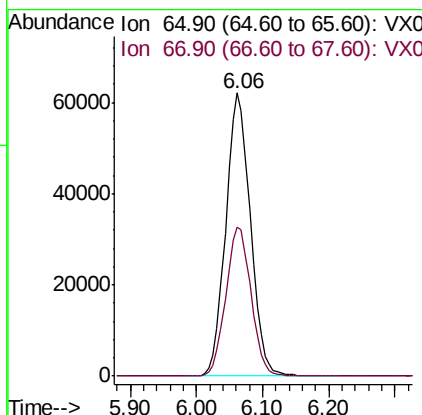
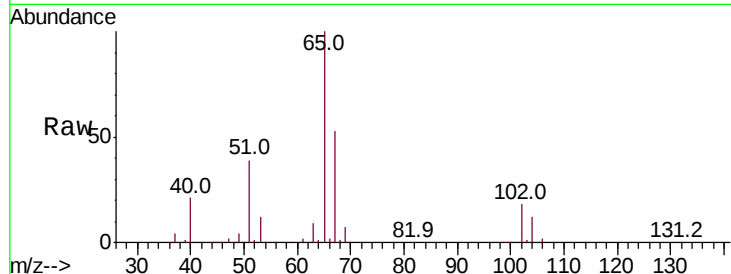




#33
 1,2-Dichloroethane-d4
 Concen: 48.585 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008395.D
 Acq: 24 Mar 2019 16:28

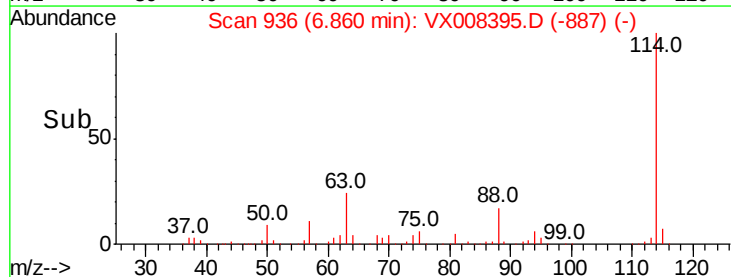
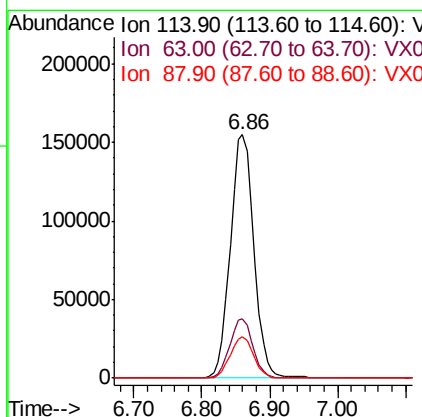
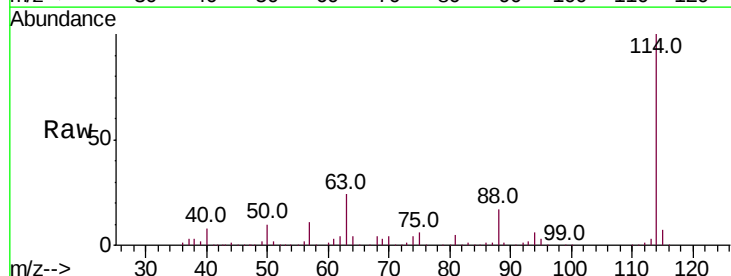
Instrument :
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 ClientSampleId :
 BP-TT-AOC22-MW10-20190316

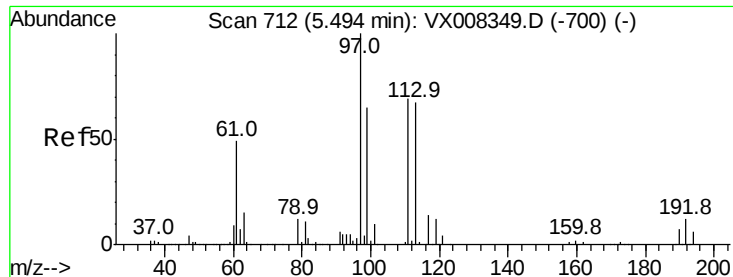
Tot Ion: 65 Resp: 160215
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008395.D
 Acq: 24 Mar 2019 16:28

Tgt Ion: 114 Resp: 372683
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 39.8
 88 16.9 0.0 31.4

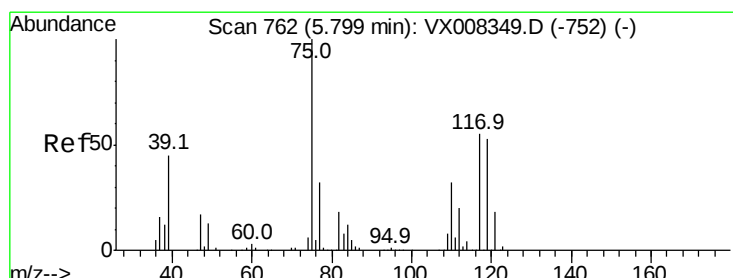
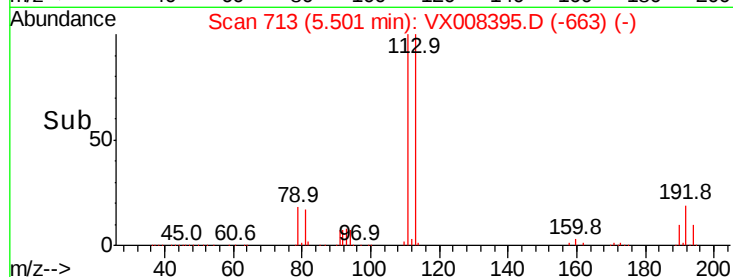
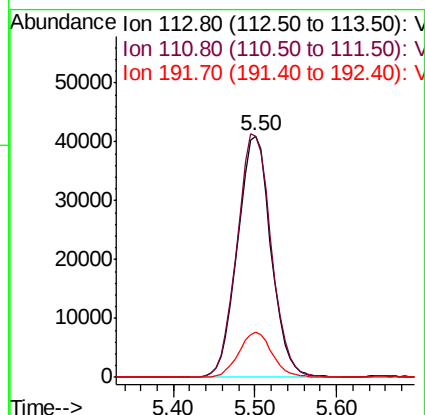
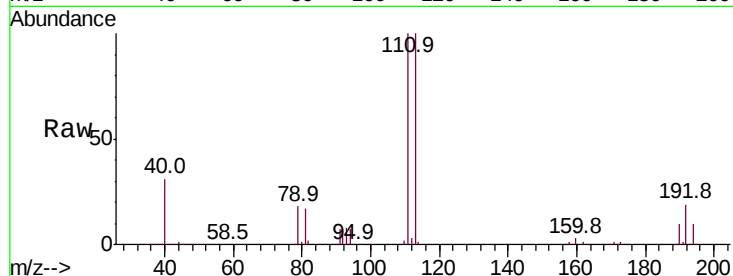




#35
 Dibromofluoromethane
 Concen: 48.435 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008395.D
 Acq: 24 Mar 2019 16:28

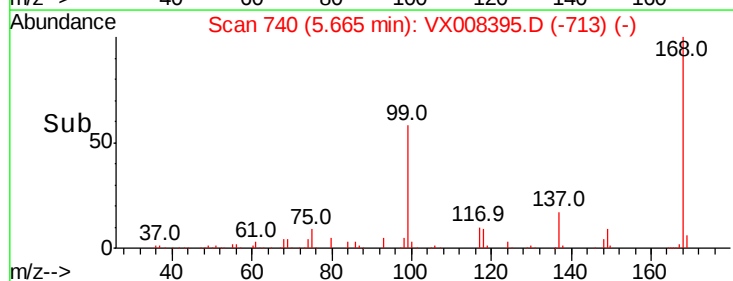
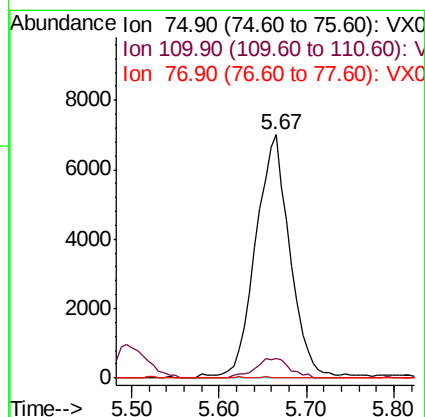
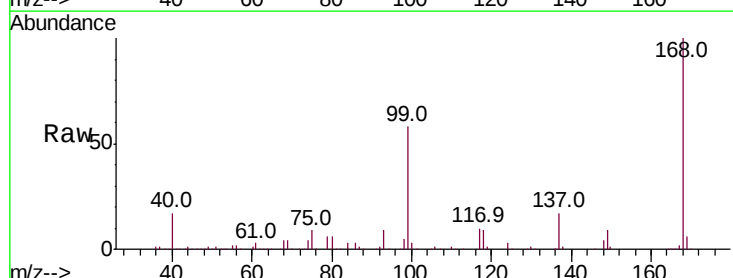
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW10-20190316

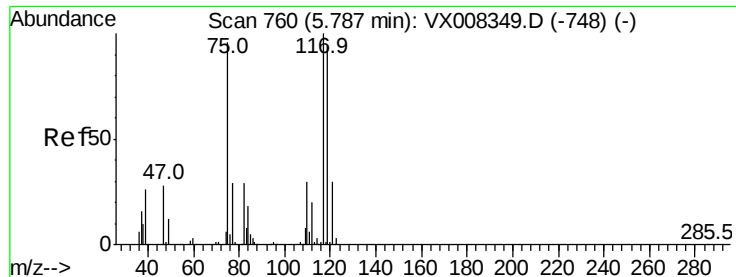
Tot Ion:113 Resp: 116951
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.0
 192 18.6 19.4 29.0#



#36
 1,1-Dichloropropene
 Concen: 5.039 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008395.D
 Acq: 24 Mar 2019 16:28

Tgt Ion: 75 Resp: 19191
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.0#
 77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.758 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008395.D

Acq: 24 Mar 2019 16:28

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW10-20190316

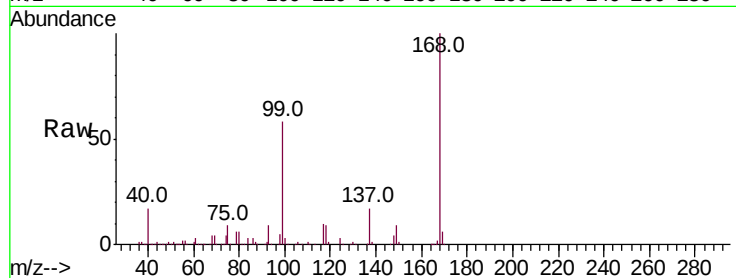
Tot Ion:117 Resp: 22063

Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.2#

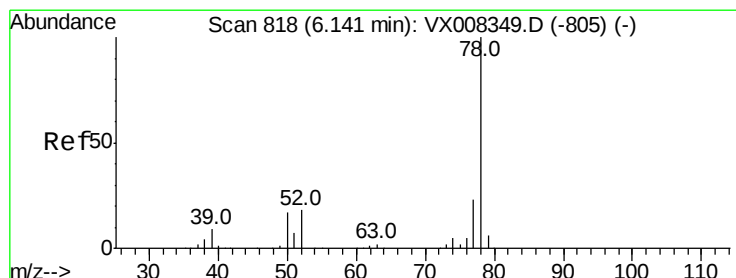
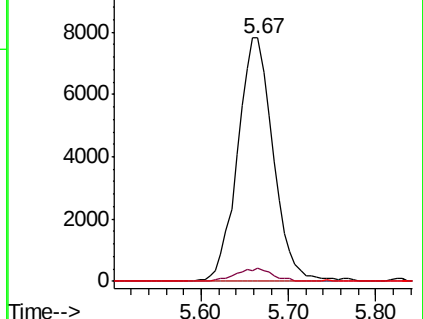
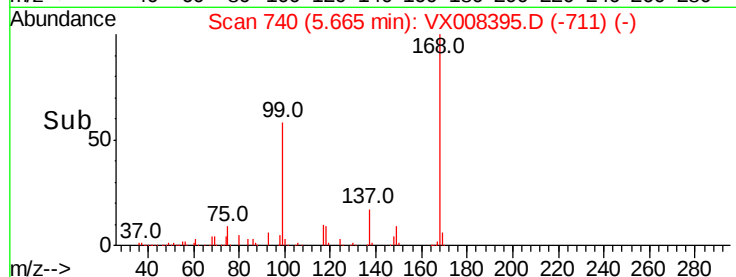
121 0.0 24.6 36.8#



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



#40

Benzene

Concen: 0.262 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008395.D

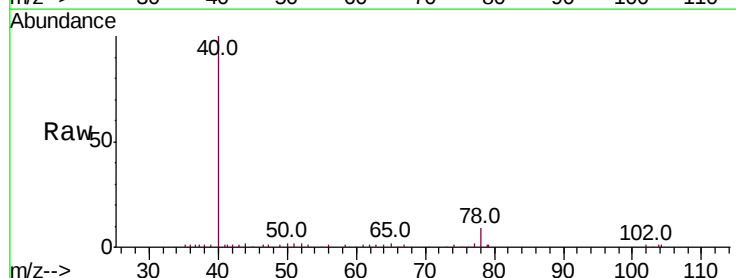
Acq: 24 Mar 2019 16:28

Tgt Ion: 78 Resp: 3039

Ion Ratio Lower Upper

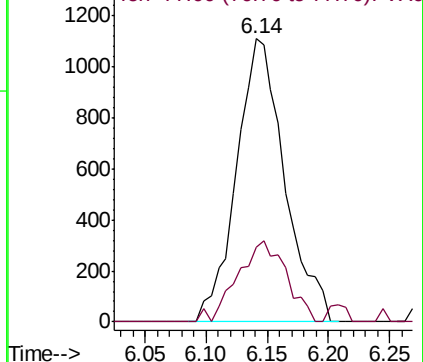
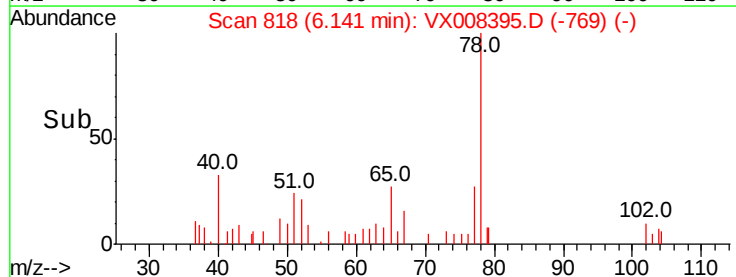
78 100

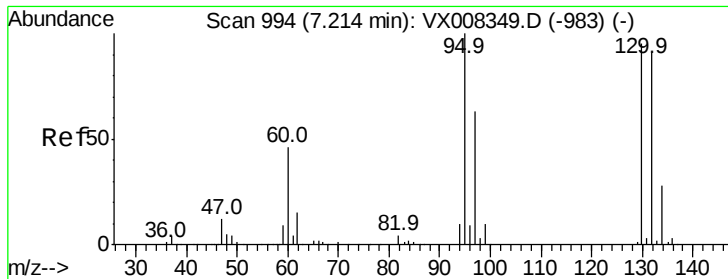
77 26.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#44

Trichloroethene

Concen: 0.320 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008395.D

Acq: 24 Mar 2019 16:28

Instrument :

MSVOA_X

ClientSampleId :

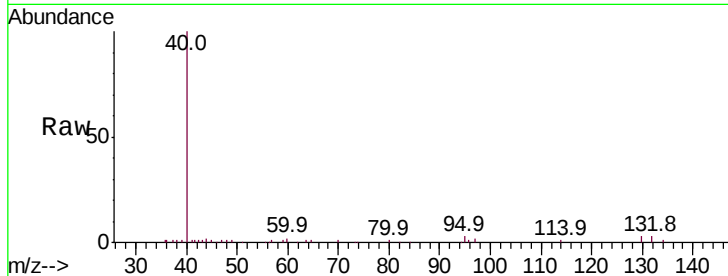
BP-TT-AOC22-MW10-20190316

Tot Ion:130 Resp: 862

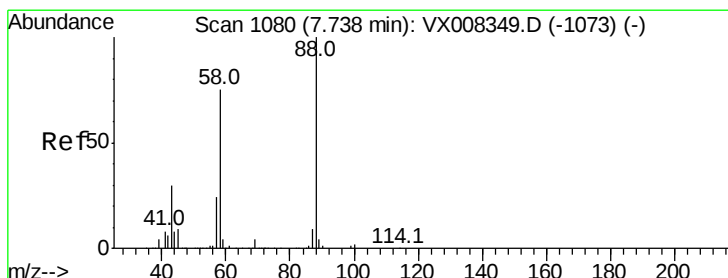
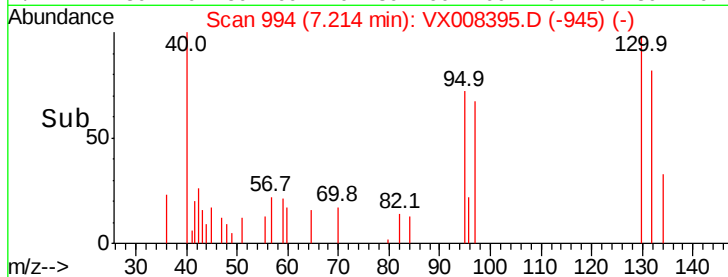
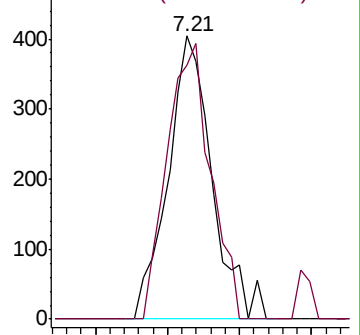
Ion Ratio Lower Upper

130 100

95 89.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 0.294 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008395.D

Acq: 24 Mar 2019 16:28

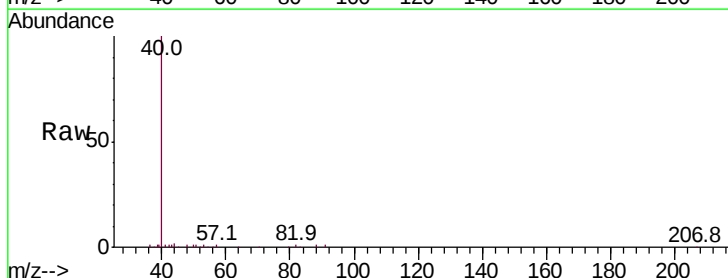
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

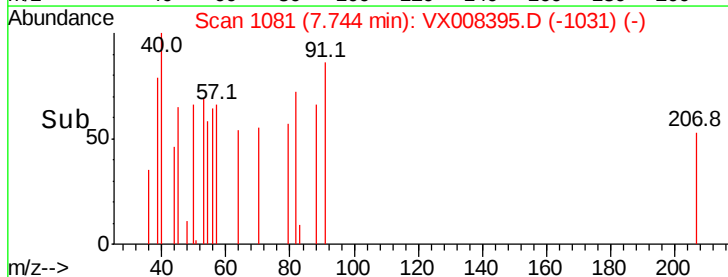
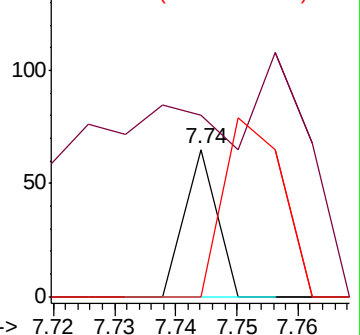
88 100

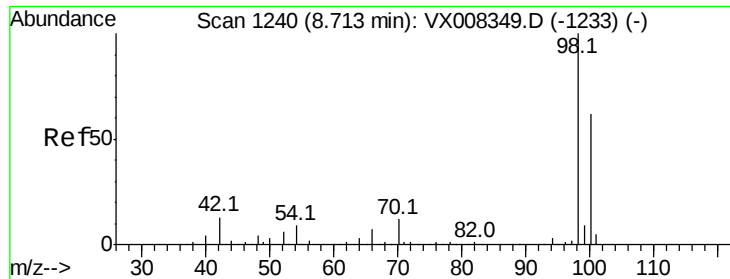
43 845.8 25.1 37.7#

58 220.8 57.8 86.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

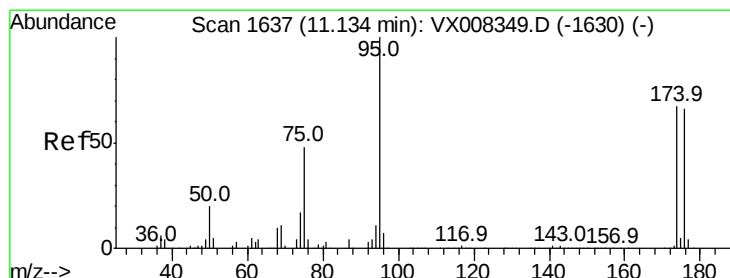
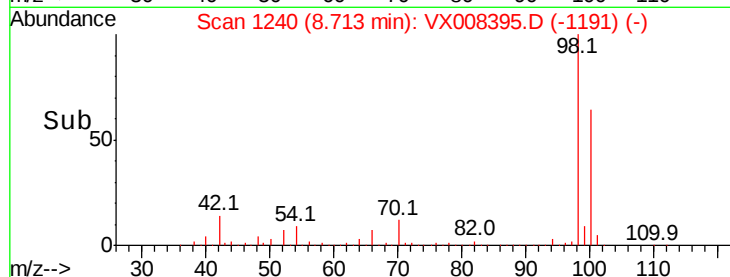
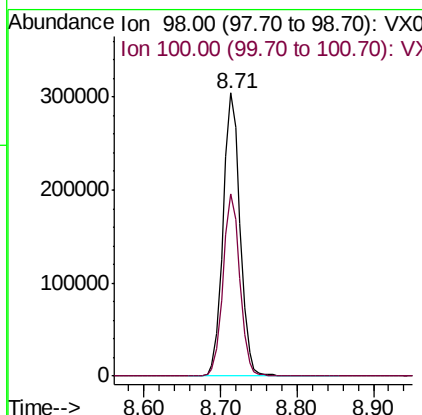
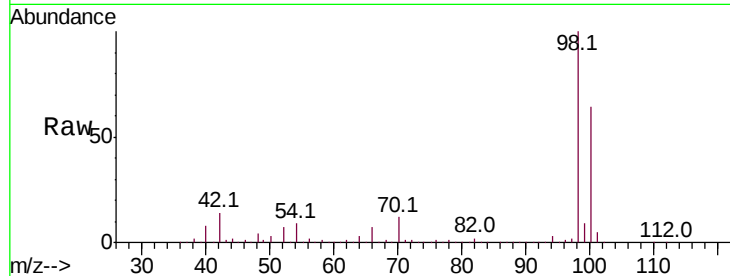




#50
Toluene-d8
Concen: 48.999 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008395.D
Acq: 24 Mar 2019 16:28

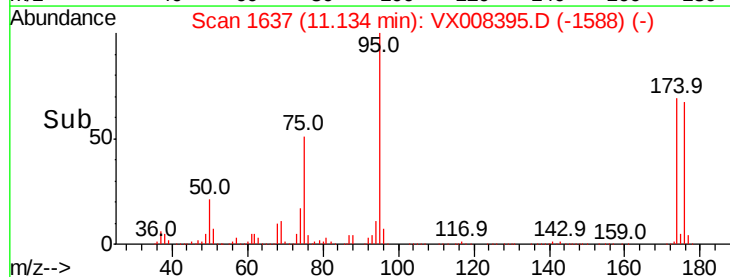
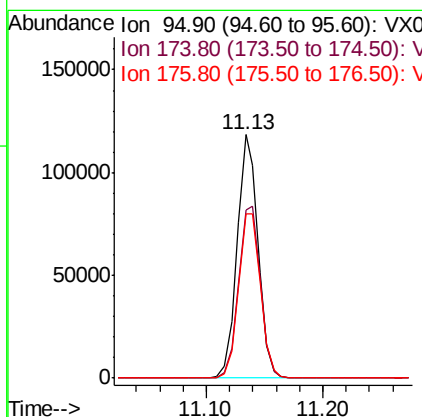
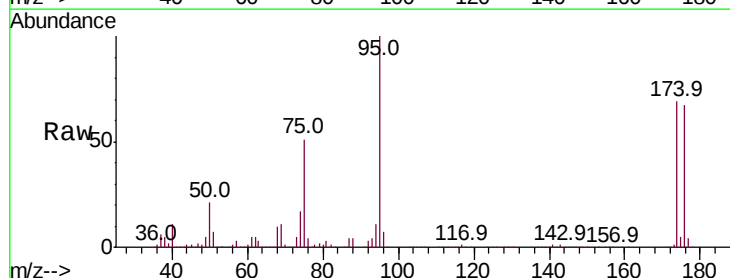
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW10-20190316

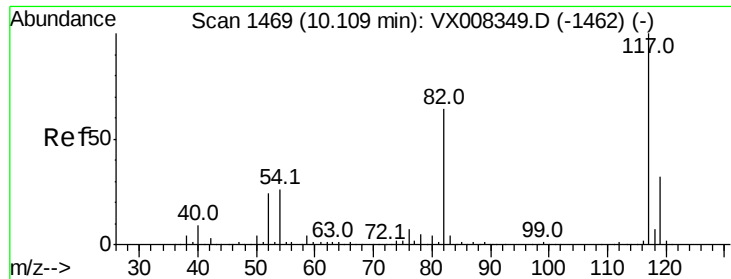
Tot Ion: 98 Resp: 467955
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 42.142 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008395.D
Acq: 24 Mar 2019 16:28

Tgt Ion: 95 Resp: 147771
Ion Ratio Lower Upper
95 100
174 74.2 0.0 182.8
176 71.7 0.0 178.0

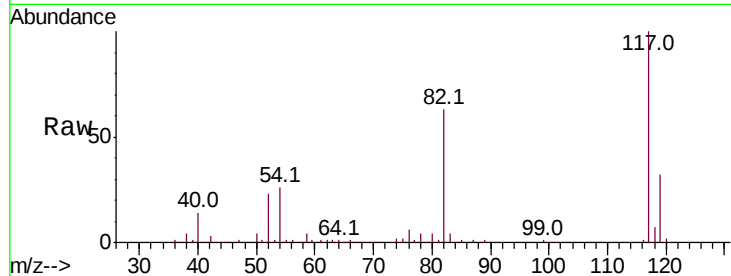




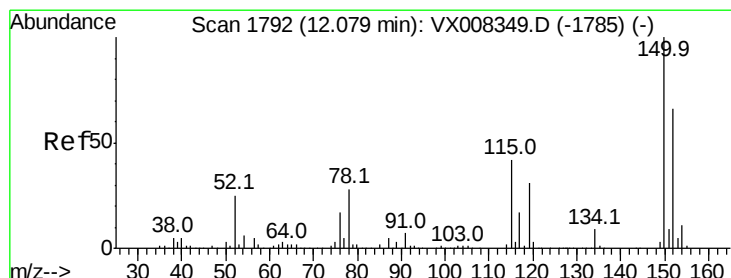
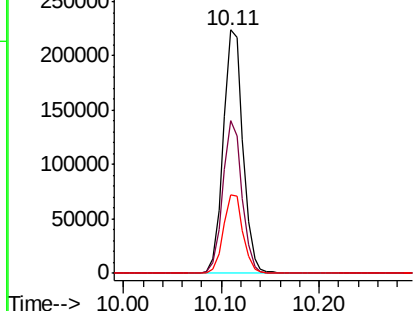
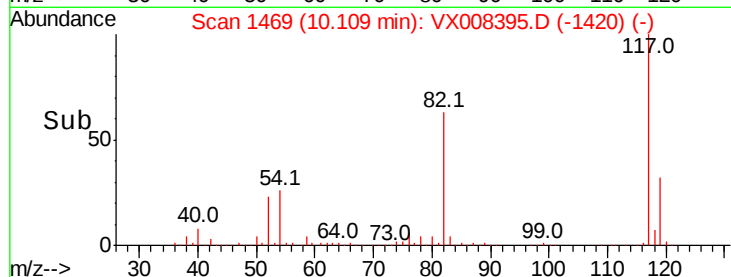
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008395.D
Acq: 24 Mar 2019 16:28

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW10-20190316

Tot Ion:117 Resp: 311521
Ion Ratio Lower Upper
117 100
82 62.7 44.3 66.5
119 32.3 25.3 37.9

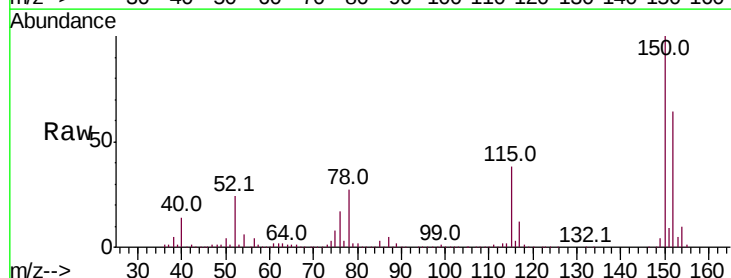


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

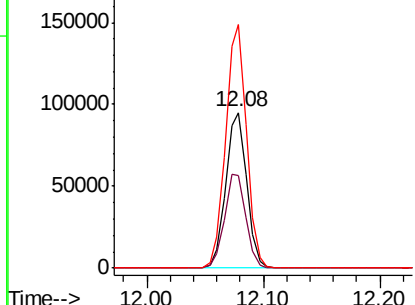
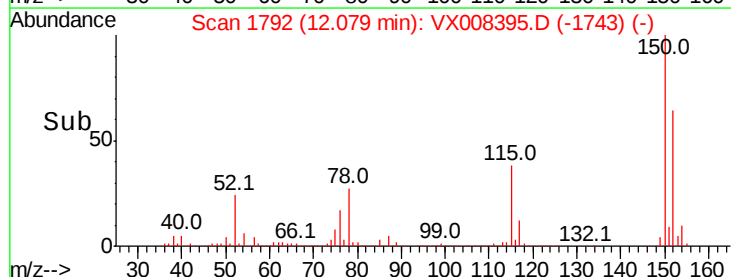


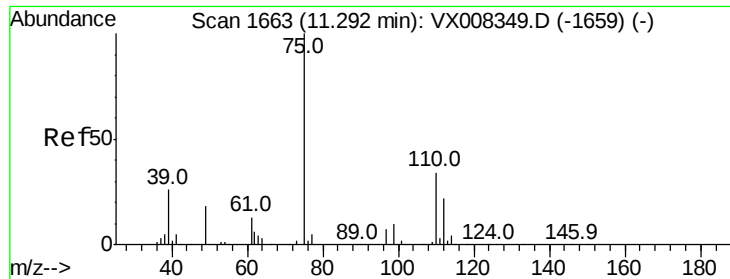
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008395.D
Acq: 24 Mar 2019 16:28

Tgt Ion:152 Resp: 117631
Ion Ratio Lower Upper
152 100
115 61.7 38.6 115.7
150 156.2 0.0 348.4



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: 24.842 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008395.D

Acq: 24 Mar 2019 16:28

Instrument :

MSVOA_X

ClientSampleId :

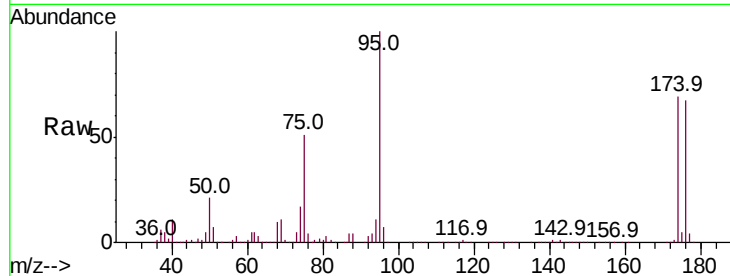
BP-TT-AOC22-MW10-20190316

Tot Ion: 75 Resp: 76488

Ion Ratio Lower Upper

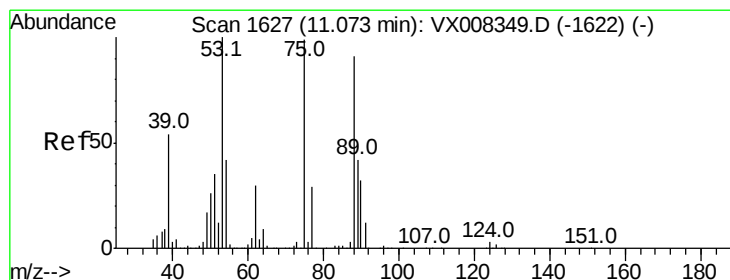
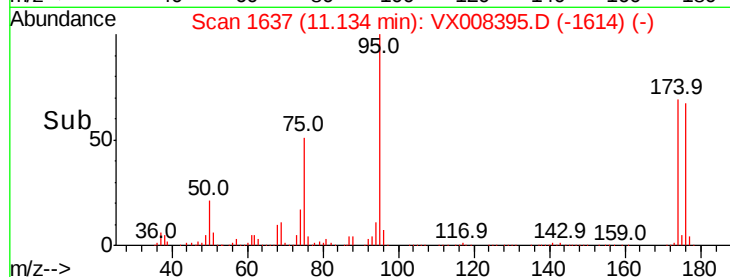
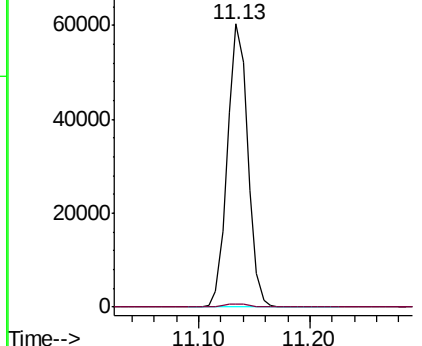
75 100

77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 70.793 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008395.D

Acq: 24 Mar 2019 16:28

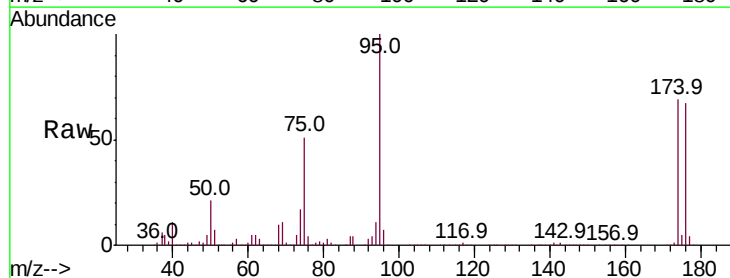
Tgt Ion: 75 Resp: 76488

Ion Ratio Lower Upper

75 100

53 0.5 76.1 114.1#

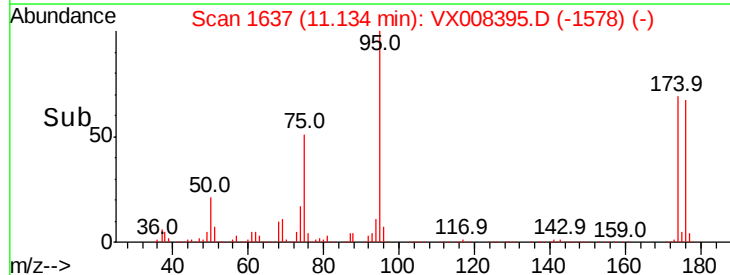
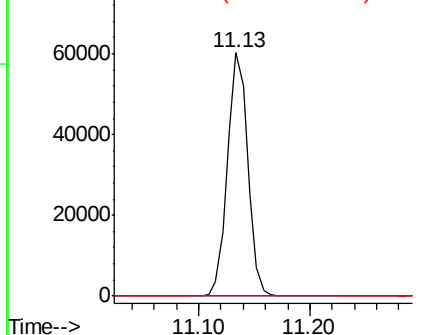
89 0.0 36.3 54.5#

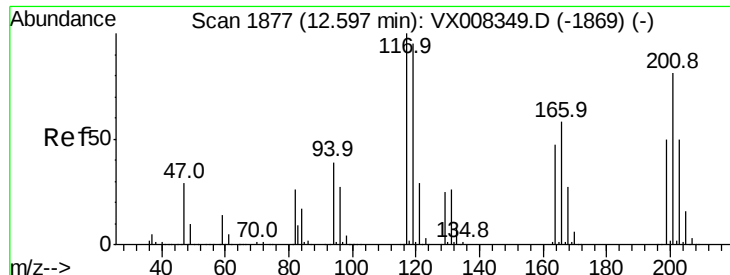


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 0.262 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX008395.D

Acq: 24 Mar 2019 16:28

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW10-20190316

Tot Ion:117 Resp: 344

Ion Ratio Lower Upper

117 100

201 0.0 48.9 146.7#

