

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
 Data File : VX007162.D
 Acq On : 21 Jan 2019 16:41
 Operator : JC/SP
 Sample : K1198-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW518-3337

Quant Time: Jan 22 00:07:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	541690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	833396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	791116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	393168	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	290655	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
35) Dibromofluoromethane	5.50	113	257141	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	999119	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.13	95	360981	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	

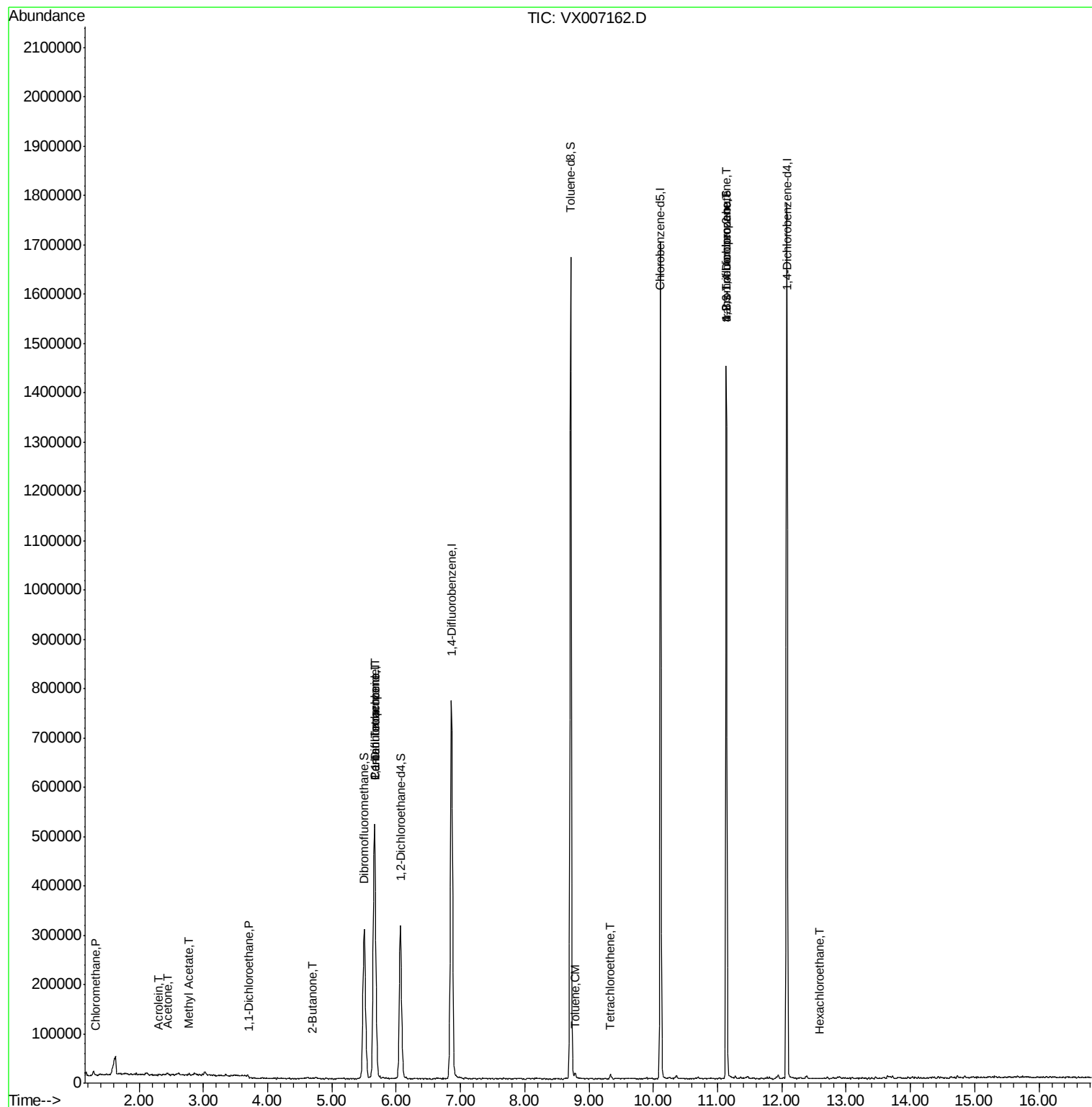
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1261	0.244	ug/l #	59
13) Acrolein	2.31	56	240	3.496	ug/l	100
16) Acetone	2.44	43	4715	1.685	ug/l	92
18) Methyl Acetate	2.78	43	5053	0.623	ug/l	92
20) Methylene Chloride	2.86	84	2027	Below Cal	#	75
24) 1,1-Dichloroethane	3.71	63	3452	0.385	ug/l #	89
25) 2-Butanone	4.69	43	883	0.221	ug/l #	47
36) 1,1-Dichloropropene	5.66	75	34757	4.797	ug/l #	49
38) Carbon Tetrachloride	5.66	117	48670	6.676	ug/l #	14
49) 1,4-Dioxane	7.77	88	151	Below Cal	#	20
52) Toluene	8.78	92	3381	0.238	ug/l	96
64) Tetrachloroethene	9.34	164	1466	0.214	ug/l #	82
76) 1,2,3-Trichloropropane	11.13	75	175721	22.055	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	175721	65.306	ug/l #	10
90) Hexachloroethane	12.58	117	55	2.921	ug/l	81

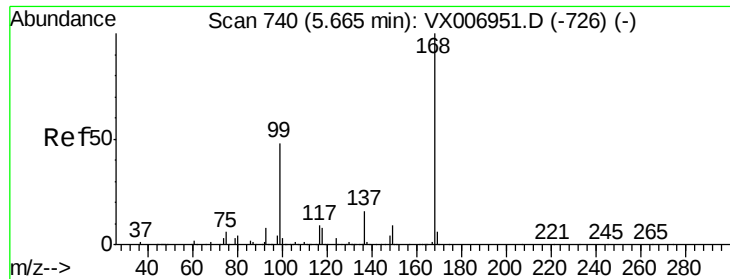
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

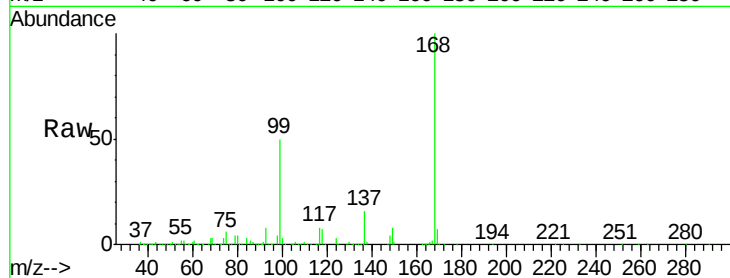
SA-TW518-3337

Tot Ion:168 Resp: 541690

Ion Ratio Lower Upper

168 100

99 49.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

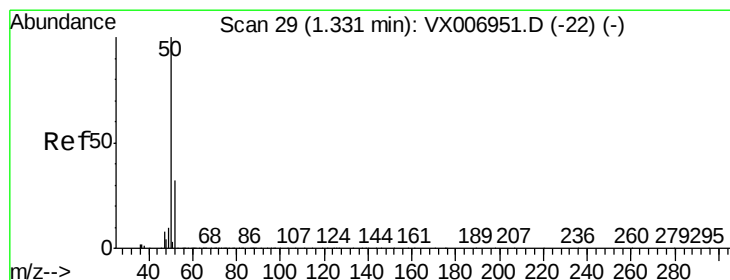
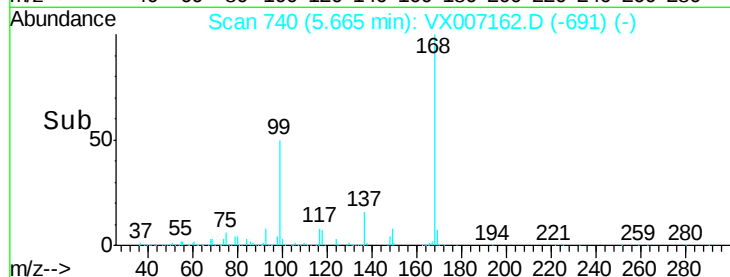
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007162.D

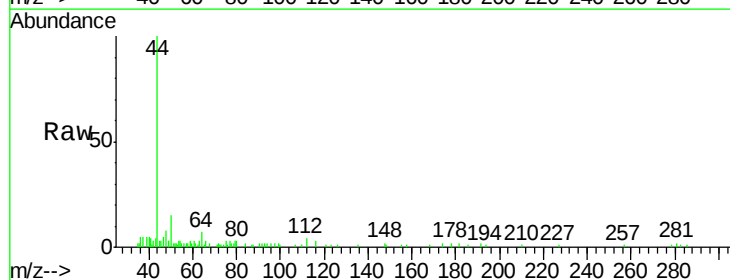
Acq: 21 Jan 2019 16:41

Tgt Ion: 50 Resp: 1261

Ion Ratio Lower Upper

50 100

52 9.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

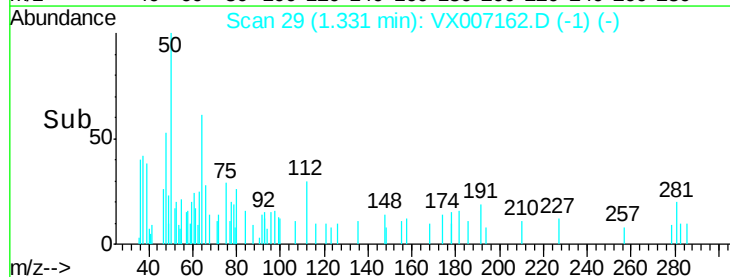
600

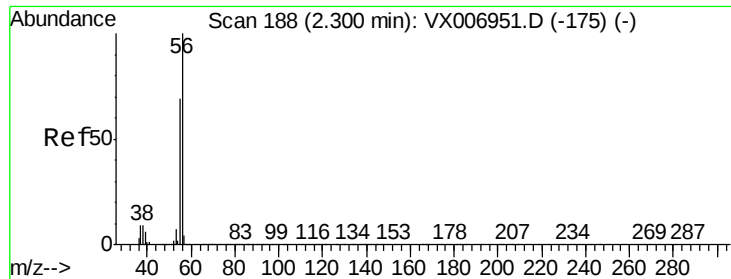
400

200

0

Time--> 1.30 1.35





#13

Acrolein

Concen: 3.496 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

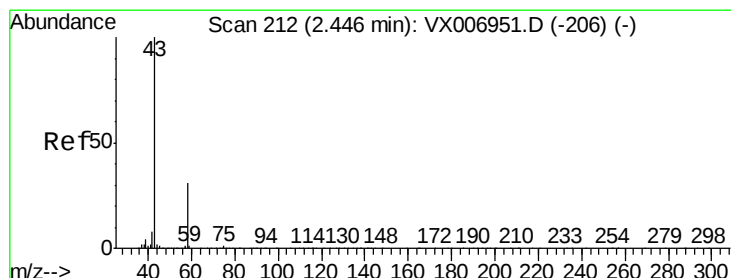
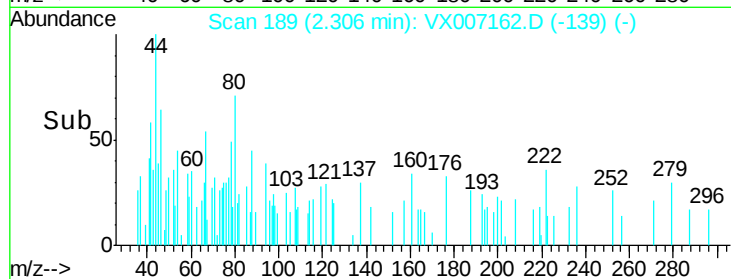
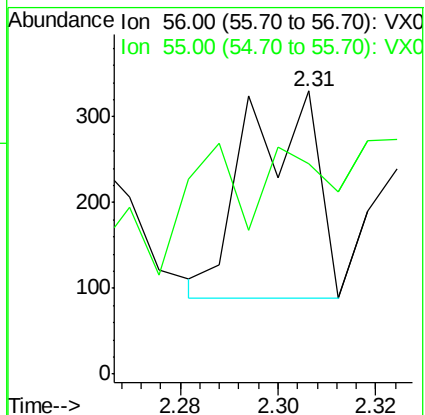
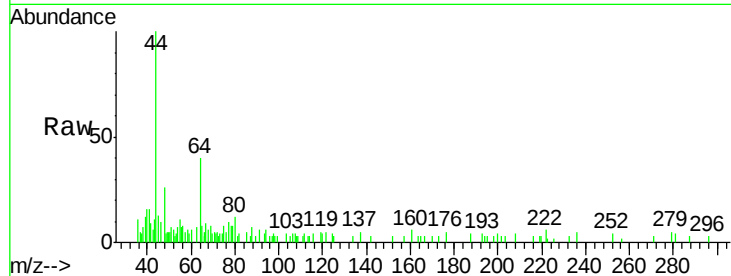
SA-TW518-3337

Tot Ion: 56 Resp: 240

Ion Ratio Lower Upper

56 100

55 72.5 58.2 87.4



#16

Acetone

Concen: 1.685 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007162.D

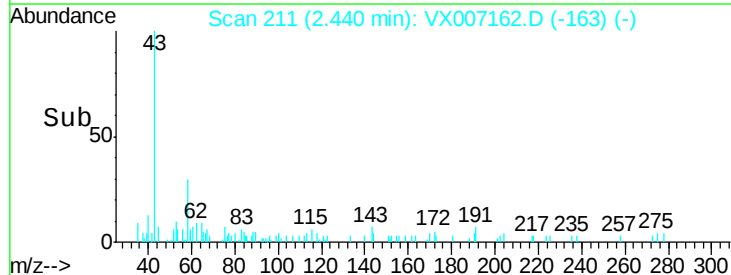
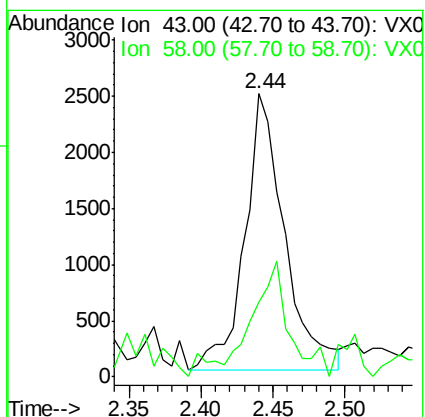
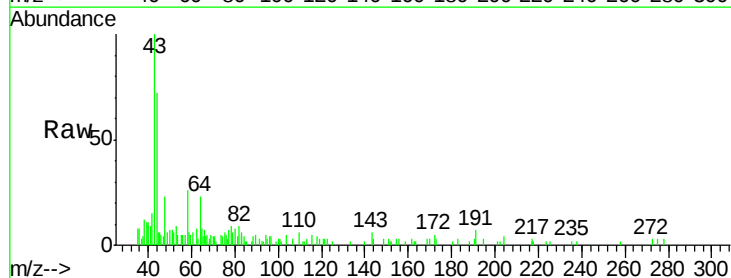
Acq: 21 Jan 2019 16:41

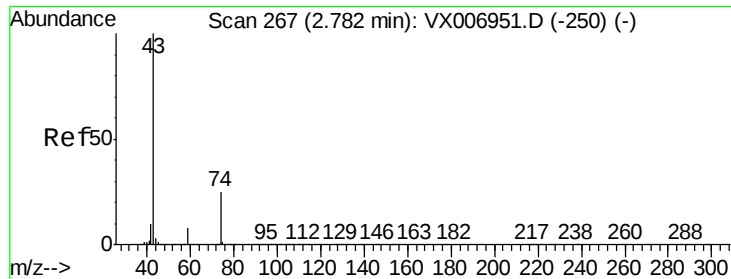
Tgt Ion: 43 Resp: 4715

Ion Ratio Lower Upper

43 100

58 27.0 25.0 37.6

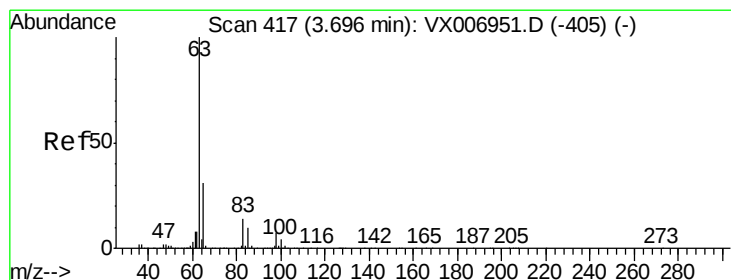
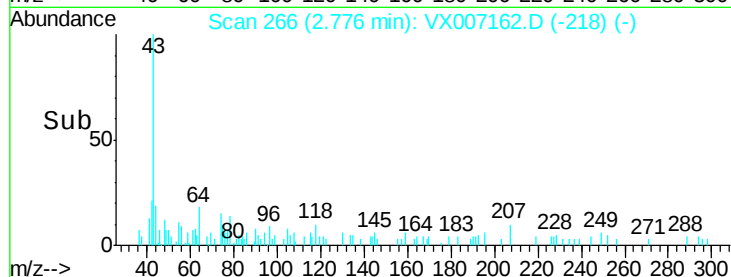
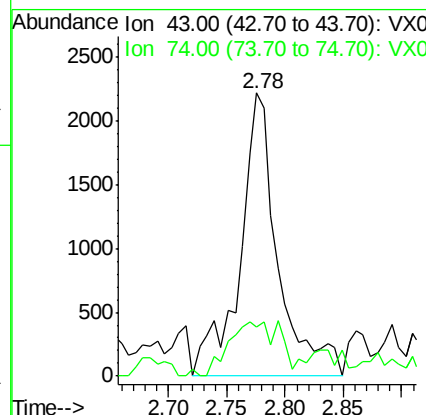
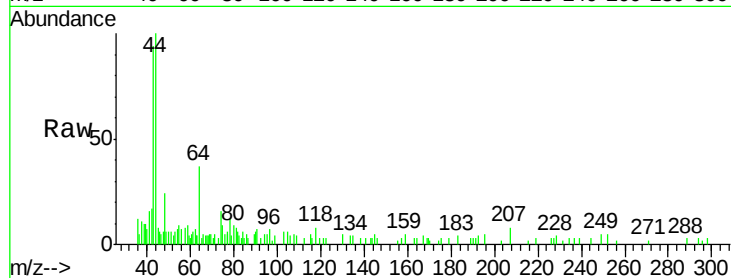




#18
Methyl Acetate
Concen: 0.623 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007162.D
Acq: 21 Jan 2019 16:41

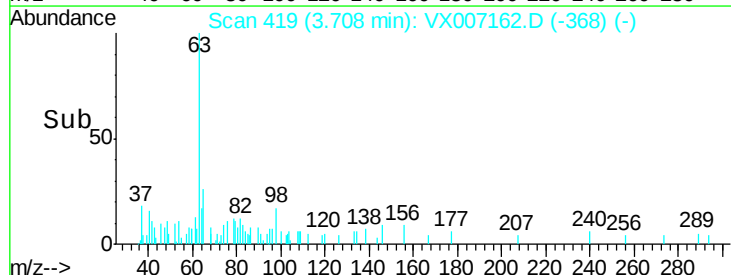
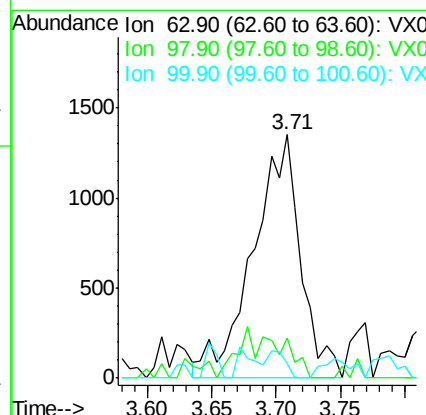
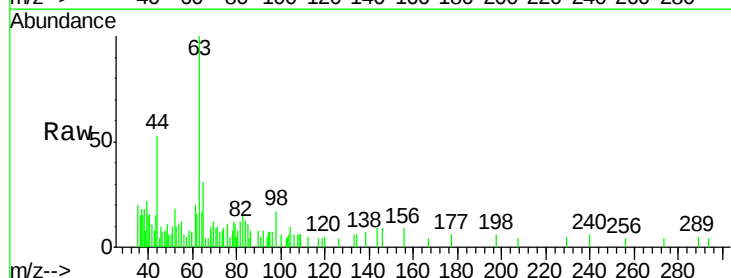
Instrument :
MSVOA_X
ClientSampleId :
SA-TW518-3337

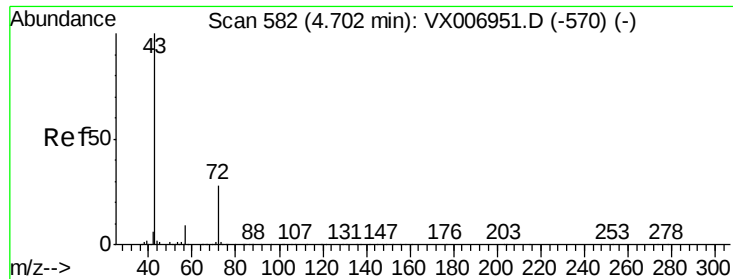
Tot Ion: 43 Resp: 5053
Ion Ratio Lower Upper
43 100
74 27.4 18.6 28.0



#24
1,1-Dichloroethane
Concen: 0.385 ug/l
RT: 3.71 min Scan# 419
Delta R.T. 0.01 min
Lab File: VX007162.D
Acq: 21 Jan 2019 16:41

Tgt Ion: 63 Resp: 3452
Ion Ratio Lower Upper
63 100
98 12.8 3.9 11.5#
100 6.5 2.4 7.2





#25

2-Butanone

Concen: 0.221 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

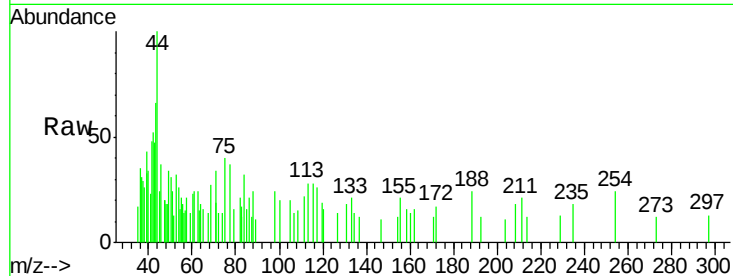
SA-TW518-3337

Tot Ion: 43 Resp: 883

Ion Ratio Lower Upper

43 100

72 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

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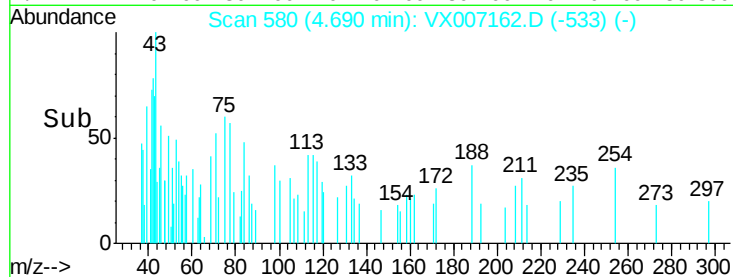
4.69

4.69

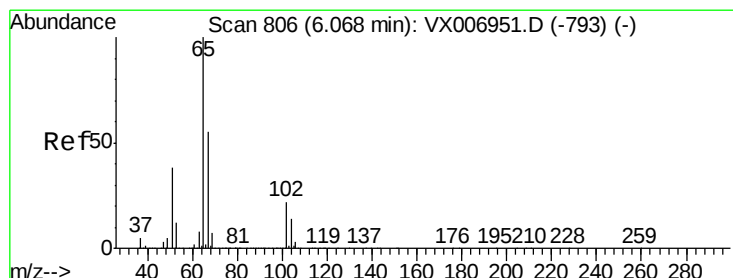
4.69

4.69

4.69



Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.342 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007162.D

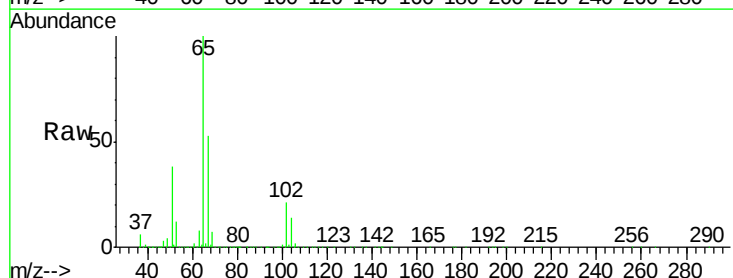
Acq: 21 Jan 2019 16:41

Tgt Ion: 65 Resp: 290655

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

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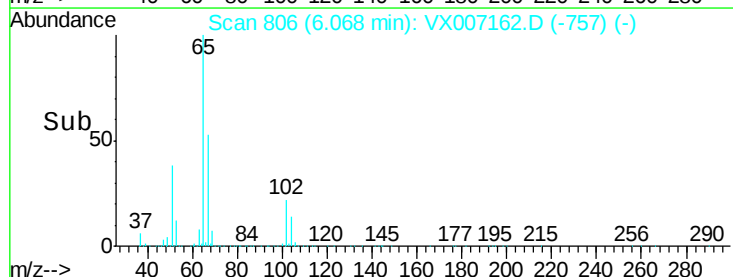
6.07

6.07

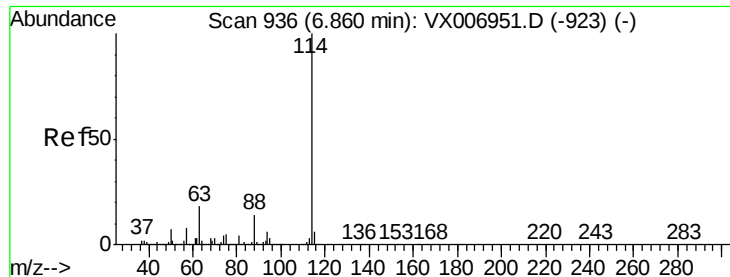
6.07

6.07

6.07



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

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ClientSampleId :

SA-TW518-3337

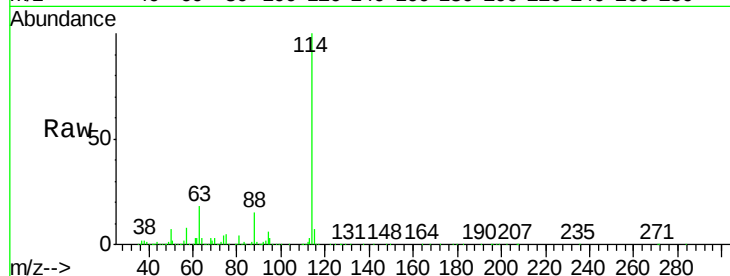
Tot Ion:114 Resp: 833396

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

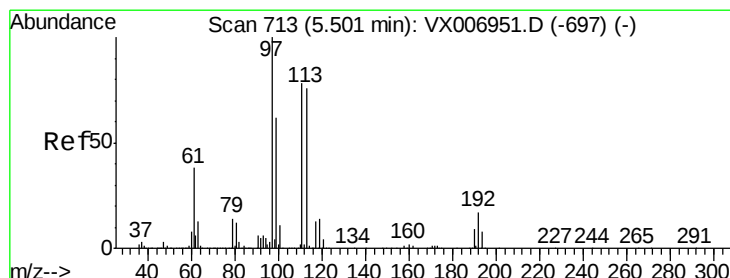
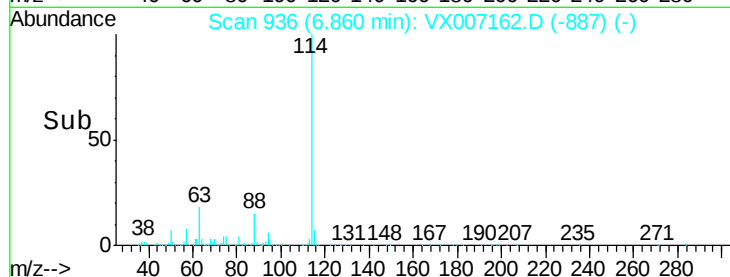
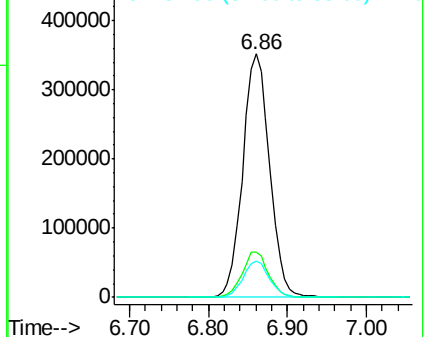
88 14.7 0.0 28.8



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: 48.181 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

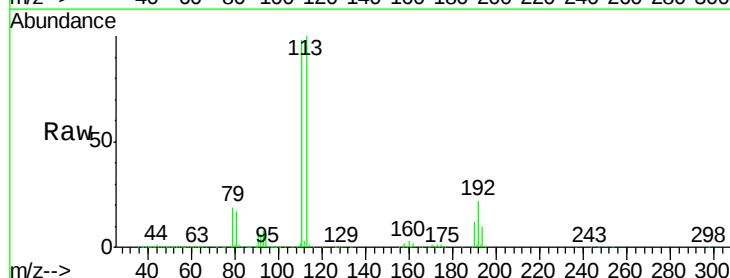
Tgt Ion:113 Resp: 257141

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

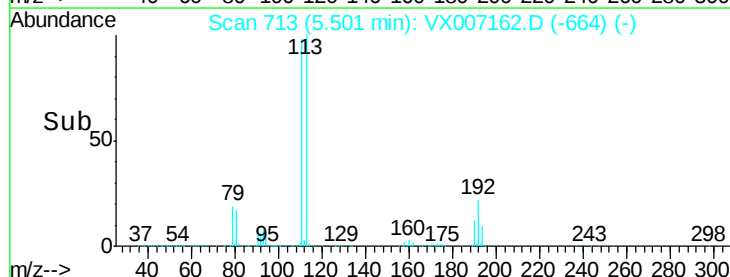
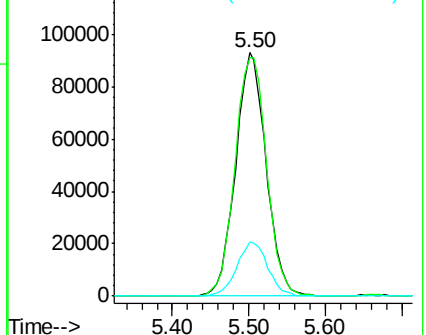
192 22.6 16.7 25.1

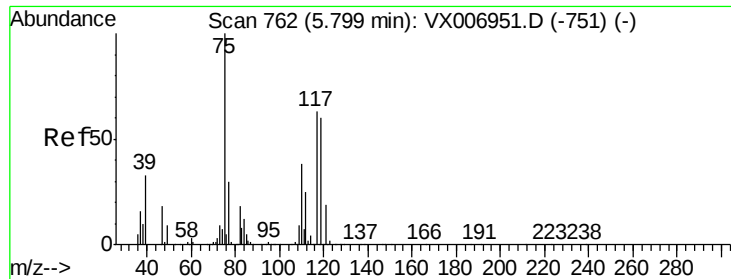


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.797 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

Instrument :

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ClientSampleId :

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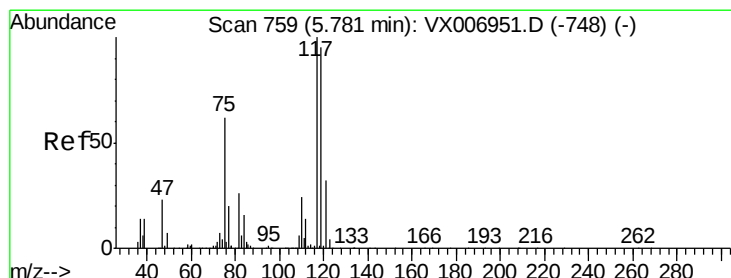
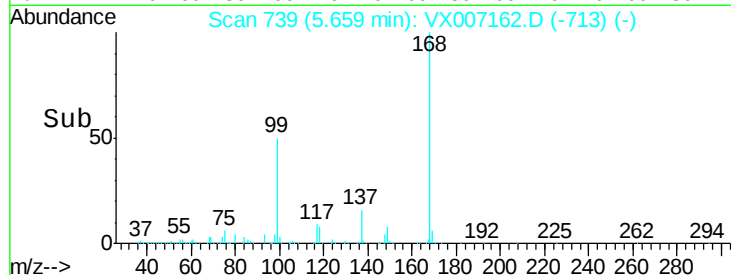
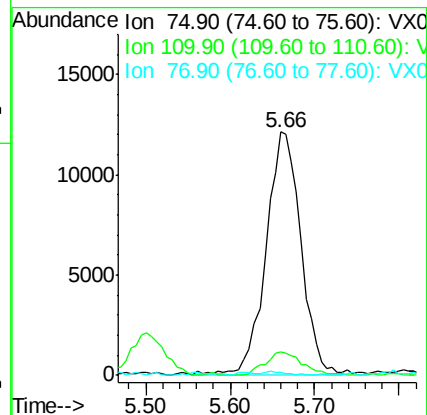
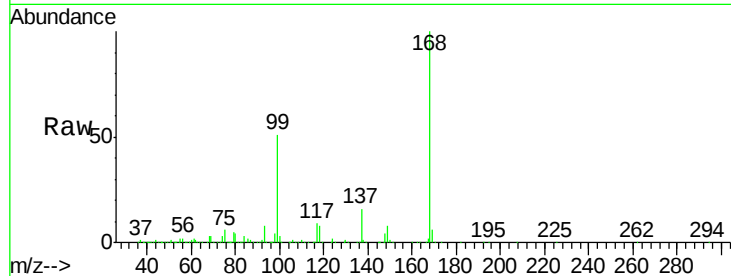
Tot Ion: 75 Resp: 34757

Ion Ratio Lower Upper

75 100

110 10.2 20.2 60.5#

77 0.8 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.676 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

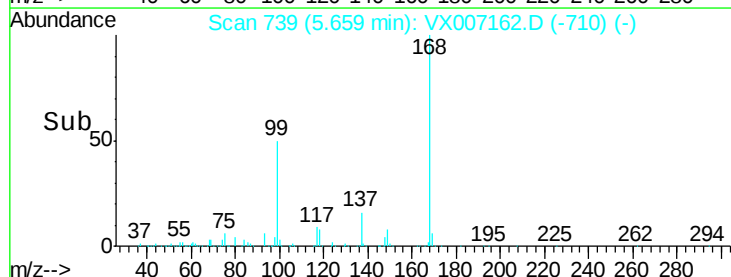
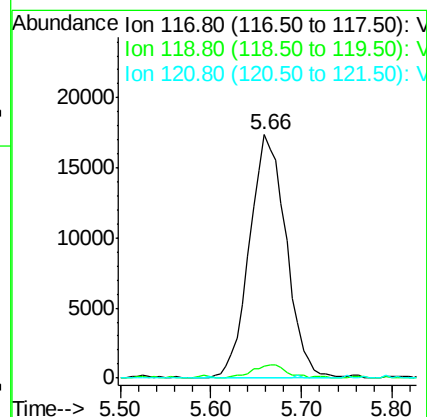
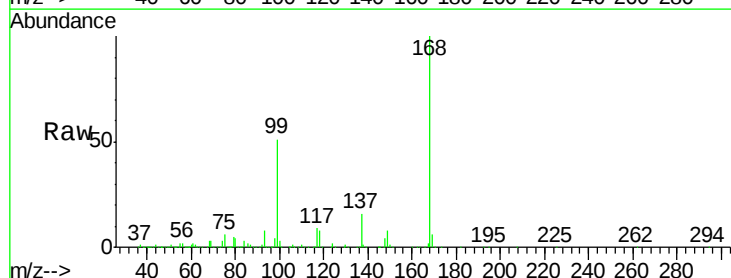
Tgt Ion: 117 Resp: 48670

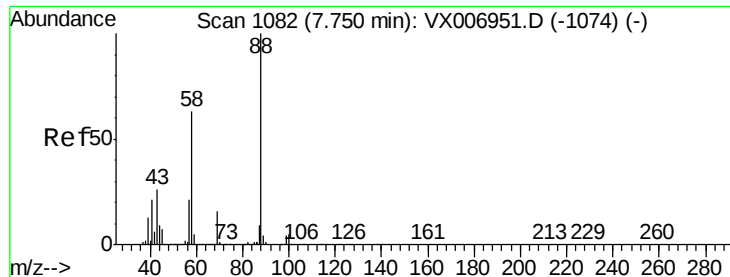
Ion Ratio Lower Upper

117 100

119 5.0 79.4 119.2#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

Instrument :

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ClientSampleId :

SA-TW518-3337

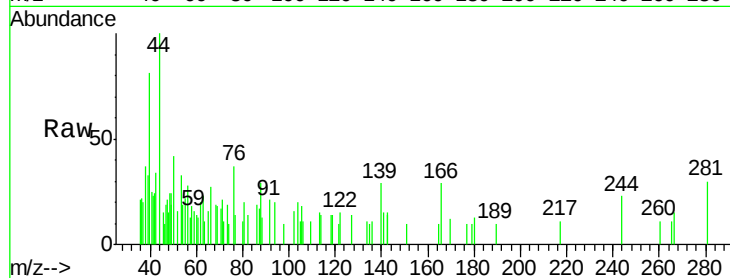
Tot Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

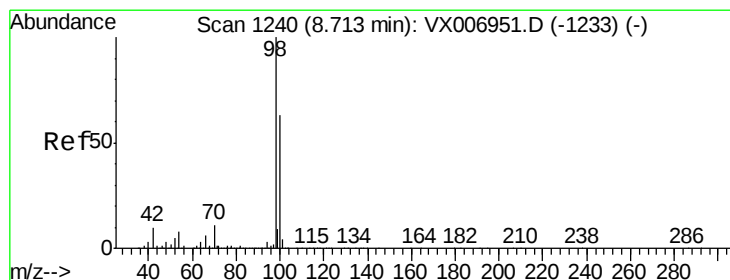
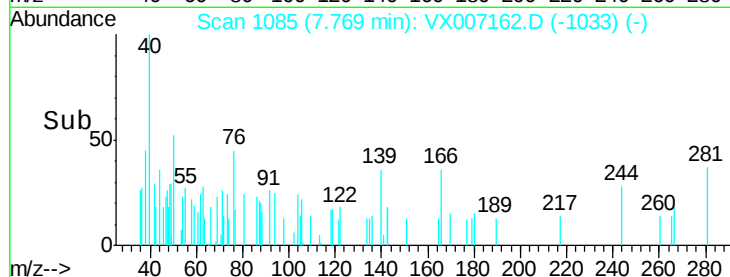
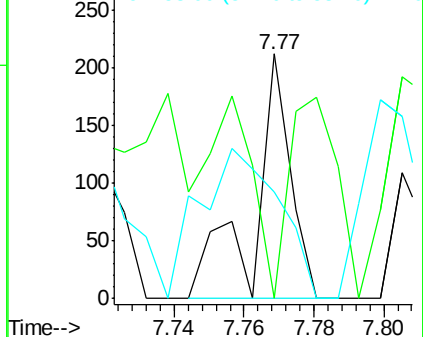
58 135.8 51.0 76.4#



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: 51.145 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007162.D

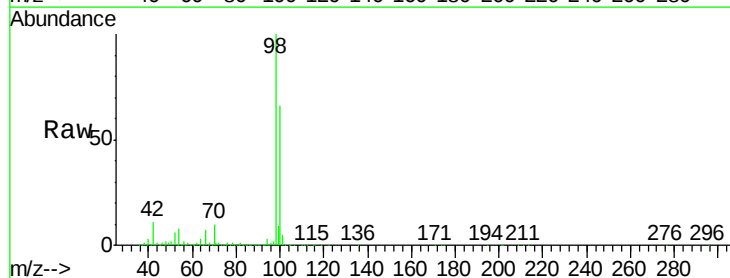
Acq: 21 Jan 2019 16:41

Tgt Ion: 98 Resp: 999119

Ion Ratio Lower Upper

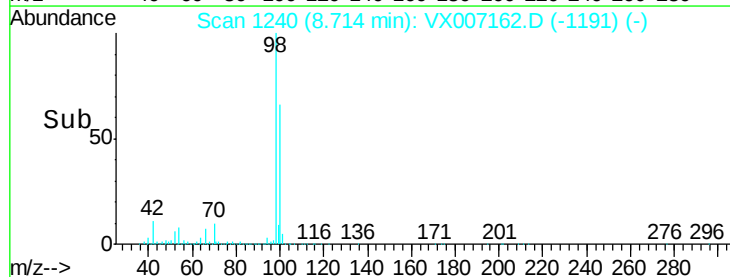
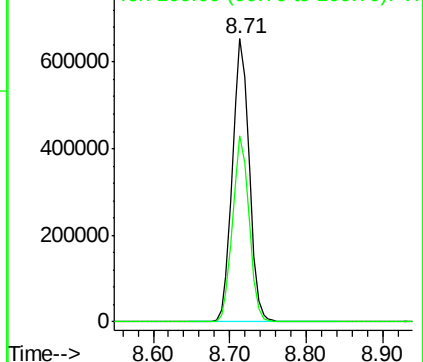
98 100

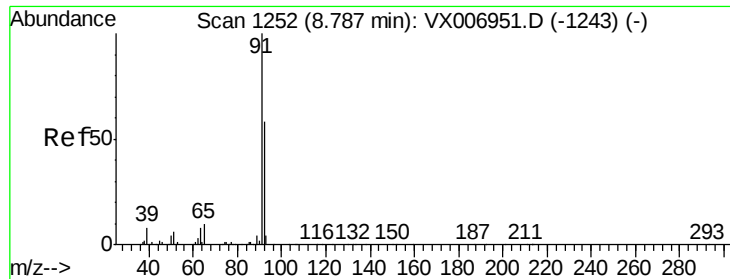
100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.238 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

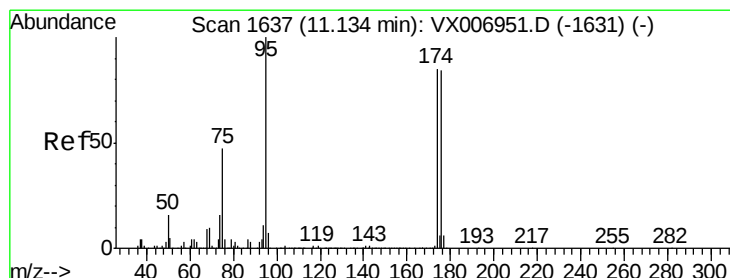
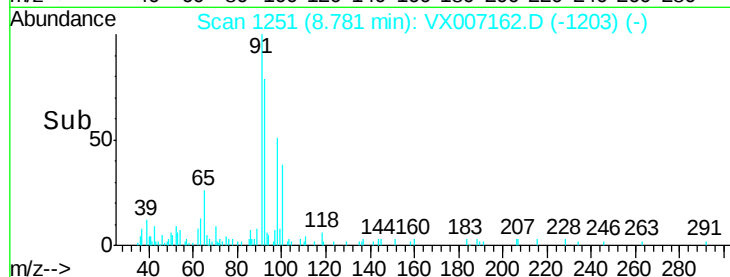
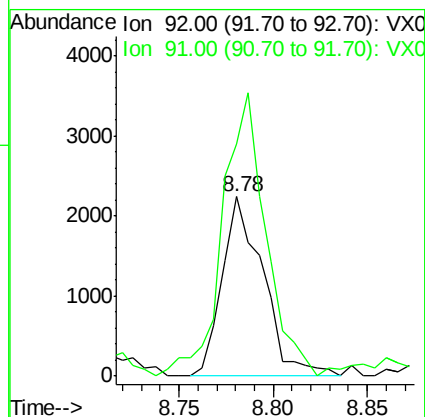
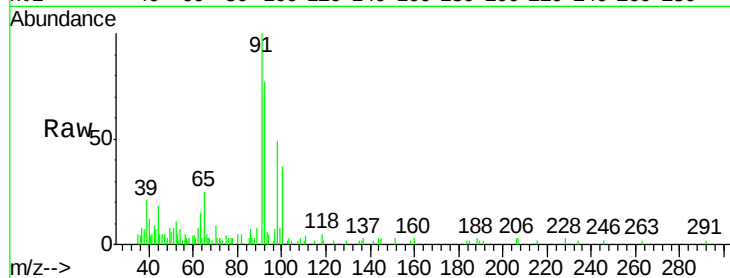
SA-TW518-3337

Tot Ion: 92 Resp: 3381

Ion Ratio Lower Upper

92 100

91 167.2 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 53.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007162.D

Acq: 21 Jan 2019 16:41

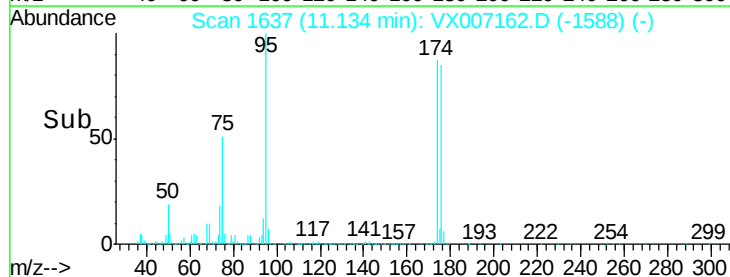
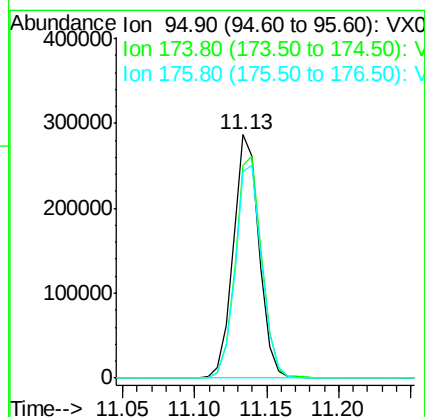
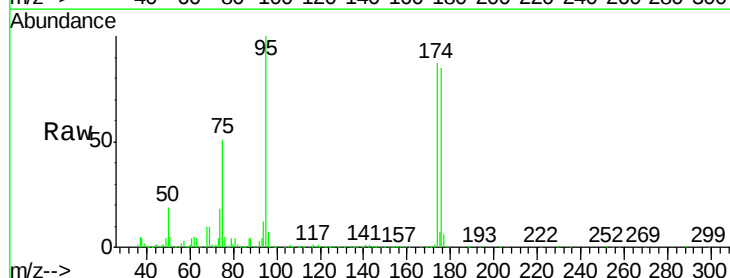
Tgt Ion: 95 Resp: 360981

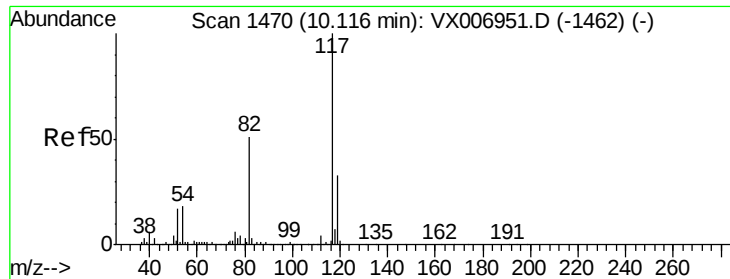
Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.2

176 89.2 0.0 178.8

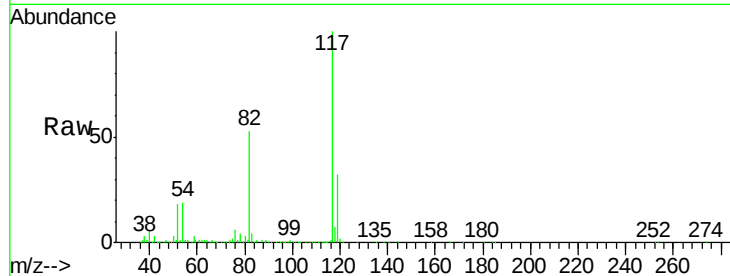




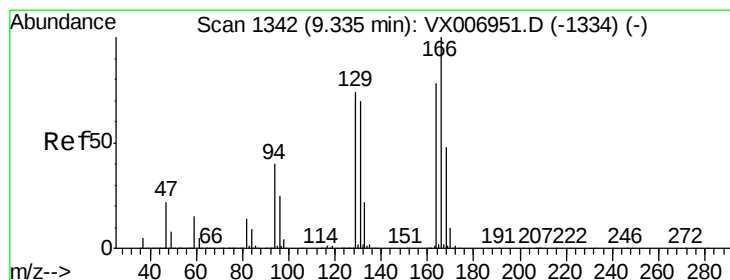
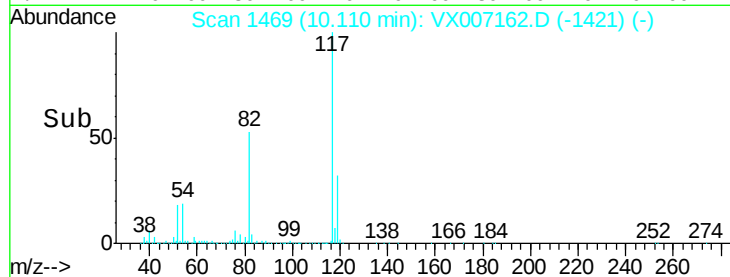
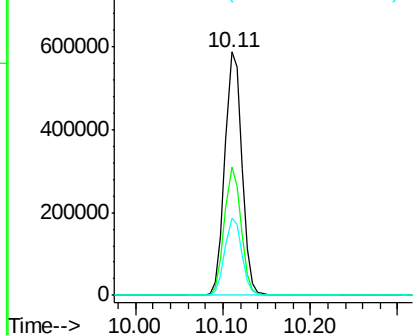
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007162.D
Acq: 21 Jan 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
SA-TW518-3337

Tot Ion:117 Resp: 791116
Ion Ratio Lower Upper
117 100
82 52.7 41.0 61.6
119 31.6 25.4 38.0

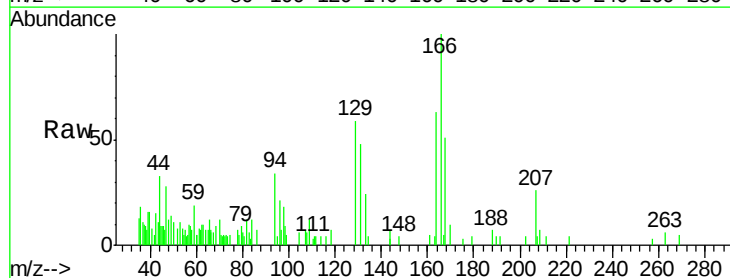


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

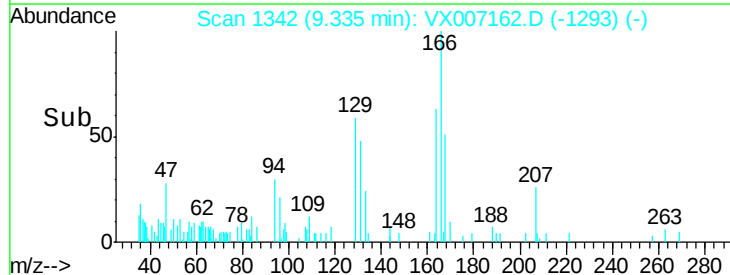
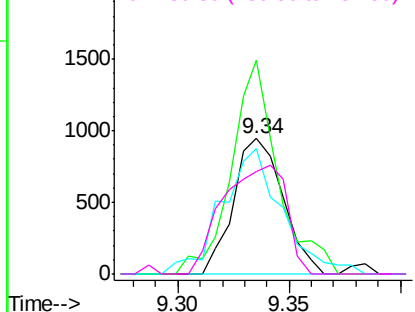


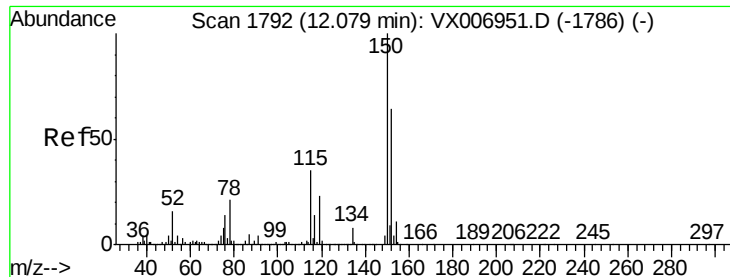
#64
Tetrachloroethene
Concen: 0.214 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007162.D
Acq: 21 Jan 2019 16:41

Tgt Ion:164 Resp: 1466
Ion Ratio Lower Upper
164 100
166 158.1 102.5 153.7#
129 86.5 75.1 112.7
131 75.9 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX007162.D

Acq: 21 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

SA-TW518-3337

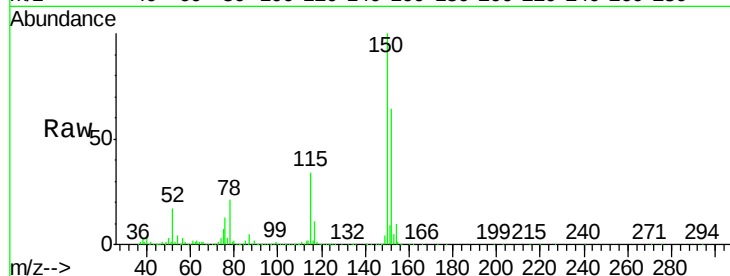
Tot Ion:152 Resp: 393168

Ion Ratio Lower Upper

152 100

115 55.4 39.1 117.2

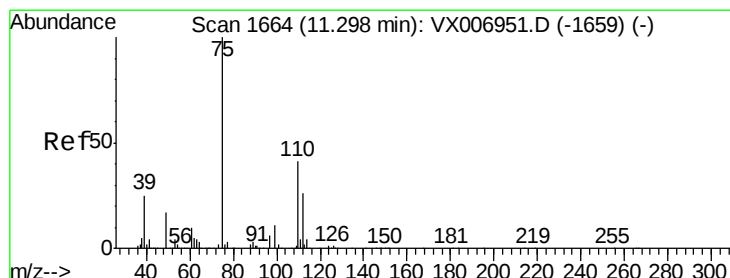
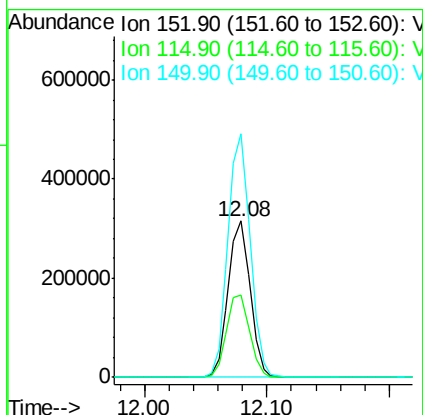
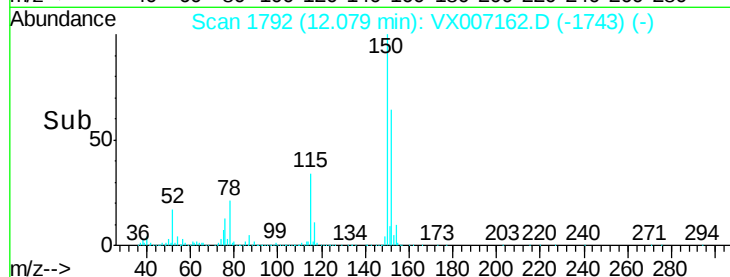
150 157.2 0.0 344.8



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: 22.055 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007162.D

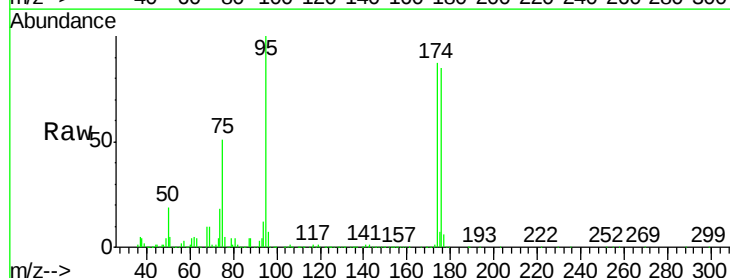
Acq: 21 Jan 2019 16:41

Tgt Ion: 75 Resp: 175721

Ion Ratio Lower Upper

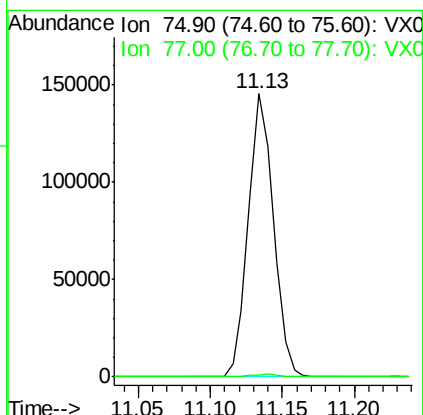
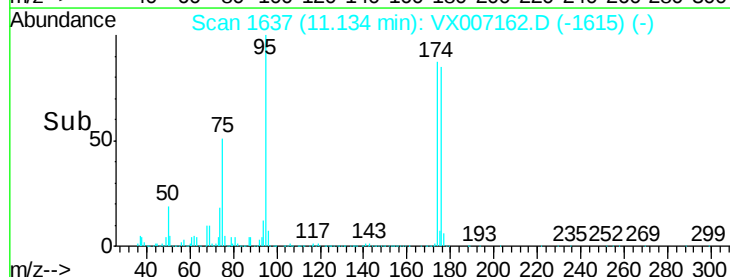
75 100

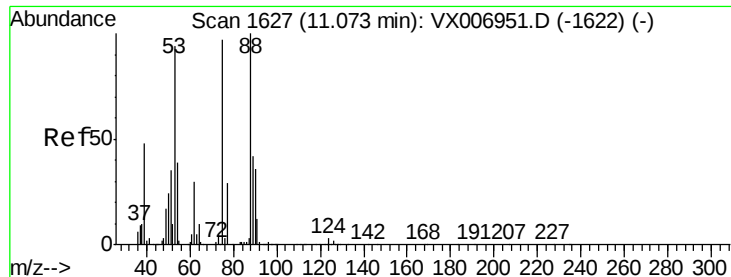
77 1.2 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

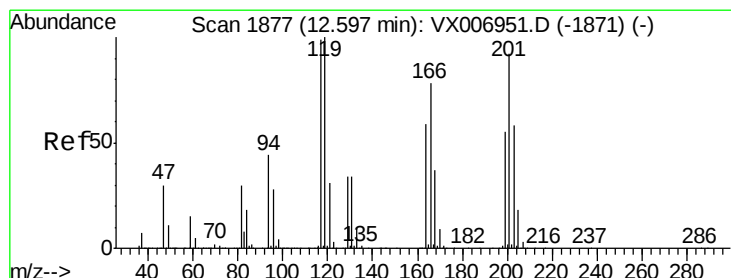
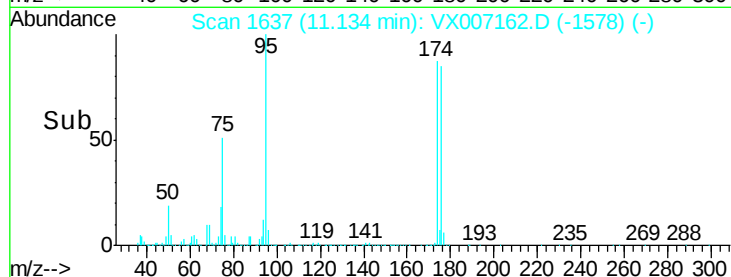
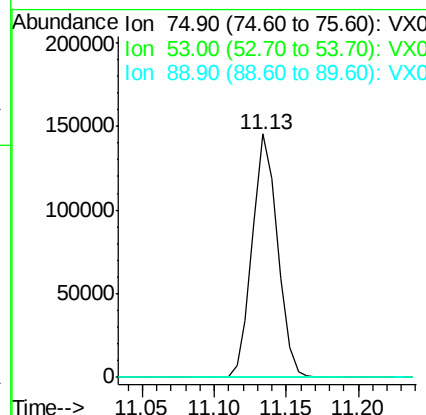
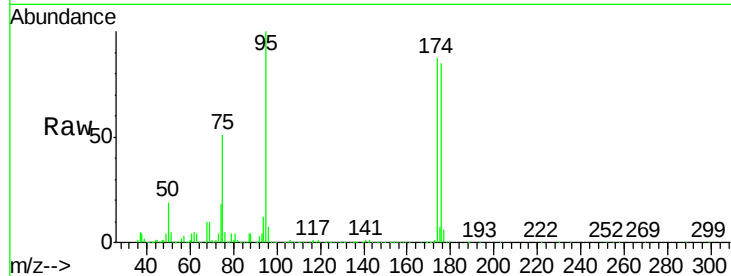




#81
trans-1,4-Dichloro-2-butene
Concen: 65.306 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007162.D
Acq: 21 Jan 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
SA-TW518-3337

Tot Ion: 75 Resp: 175721
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.0 38.0 57.0#



#90
Hexachloroethane
Concen: 2.921 ug/l
RT: 12.58 min Scan# 1874
Delta R.T. -0.02 min
Lab File: VX007162.D
Acq: 21 Jan 2019 16:41

Tgt Ion: 117 Resp: 55
Ion Ratio Lower Upper
117 100
201 103.6 42.9 128.7

