

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012219\
 Data File : VX007178.D
 Acq On : 22 Jan 2019 13:42
 Operator : JC/SP
 Sample : K1215-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327

Quant Time: Jan 23 00:04:03 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	5.66	168	543546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	831408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	785389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	395710	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	292349	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	5.50	113	258733	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	8.71	98	997653	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.13	95	361545	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	

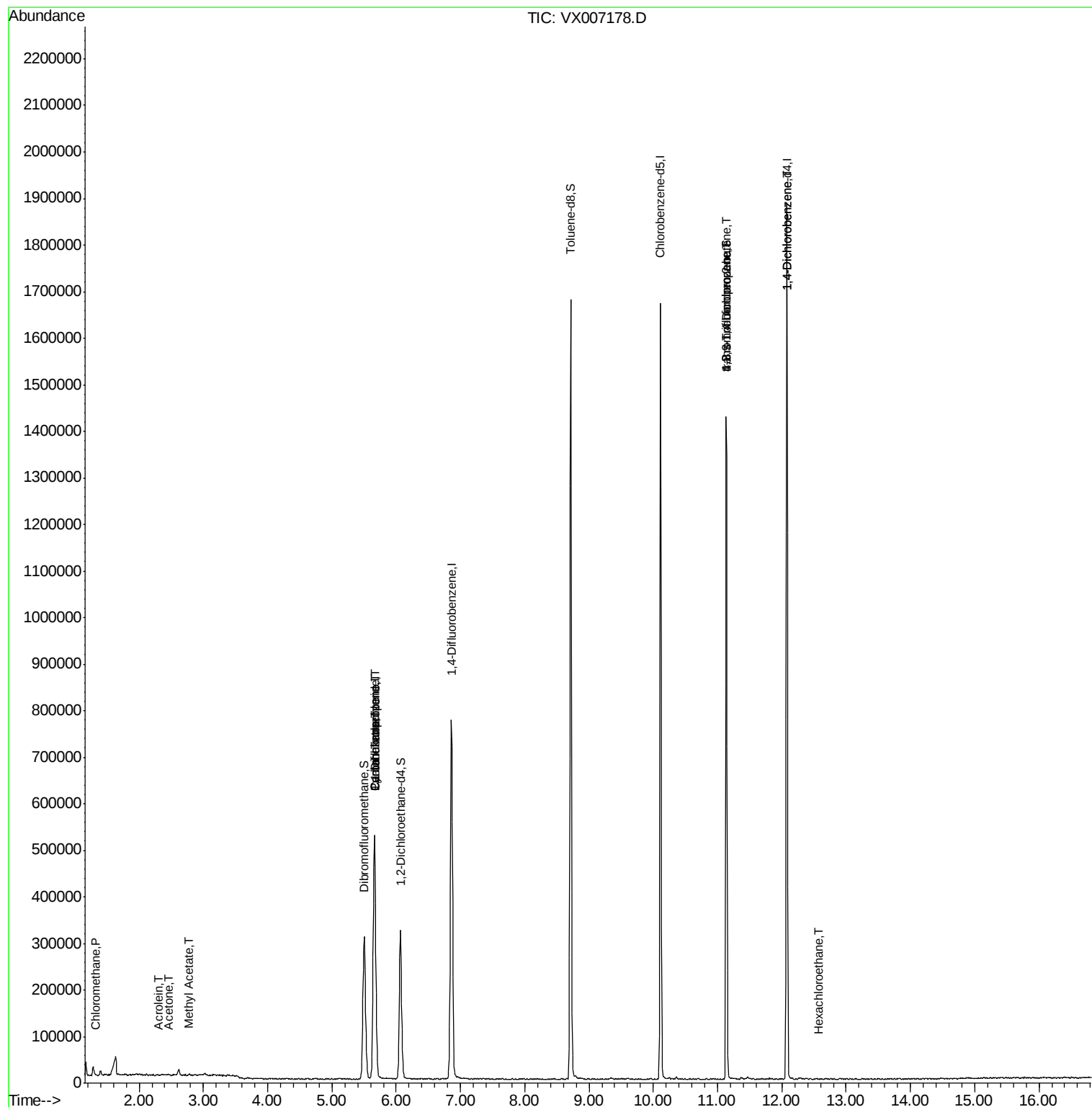
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1126	0.217	ug/l #	88
13) Acrolein	2.29	56	435	3.828	ug/l #	13
16) Acetone	2.45	43	2985	1.063	ug/l #	75
18) Methyl Acetate	2.78	43	3550	0.437	ug/l #	78
20) Methylene Chloride	2.85	84	762	Below Cal	#	58
31) Cyclohexane	5.66	56	9067	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	34297	4.745	ug/l #	48
38) Carbon Tetrachloride	5.66	117	49683	6.831	ug/l #	15
49) 1,4-Dioxane	7.76	88	204	Below Cal	#	47
76) 1,2,3-Trichloropropane	11.13	75	174497	21.761	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	174497	64.485	ug/l #	10
88) 1,4-Dichlorobenzene	12.08	146	772	0.203	ug/l #	1
90) Hexachloroethane	12.57	117	42	2.918	ug/l #	6

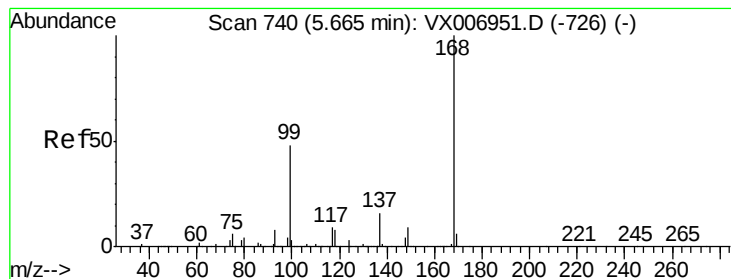
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007178.D

Acq: 22 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

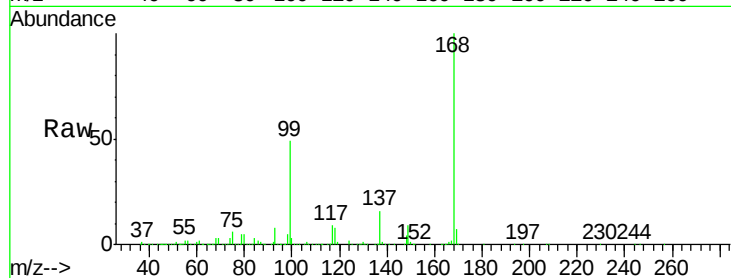
SA-TW524-2327

Tot Ion:168 Resp: 543546

Ion Ratio Lower Upper

168 100

99 49.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

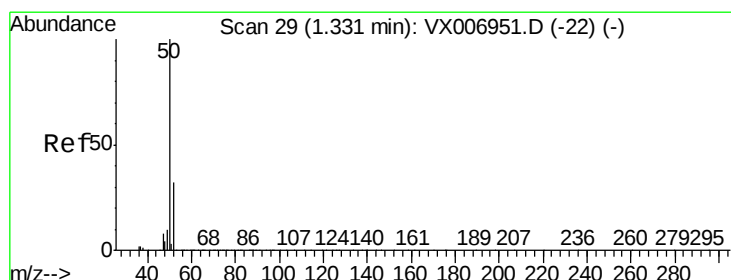
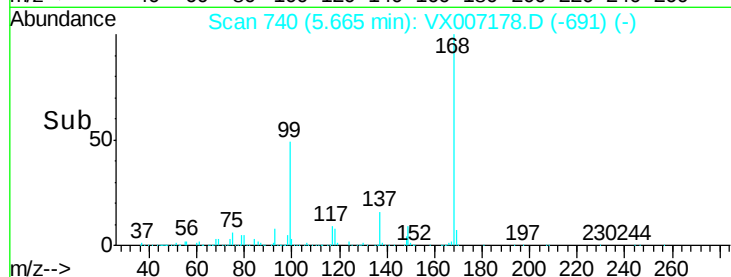
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007178.D

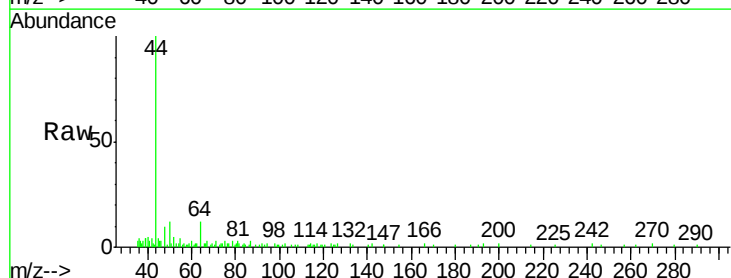
Acq: 22 Jan 2019 13:42

Tgt Ion: 50 Resp: 1126

Ion Ratio Lower Upper

50 100

52 38.5 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

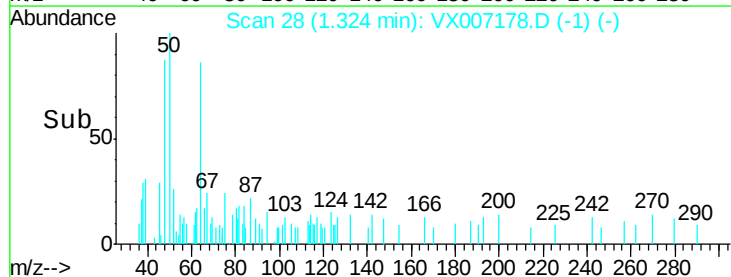
600

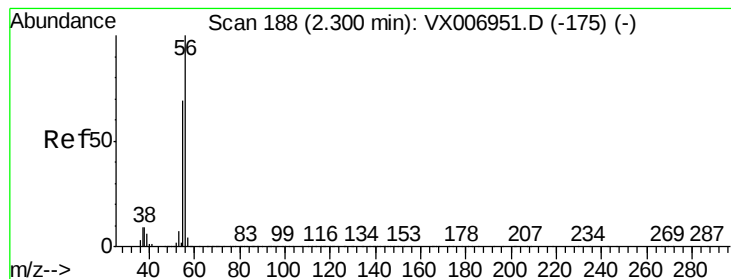
400

200

0

Time-->





#13

Acrolein

Concen: 3.828 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007178.D

Acq: 22 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

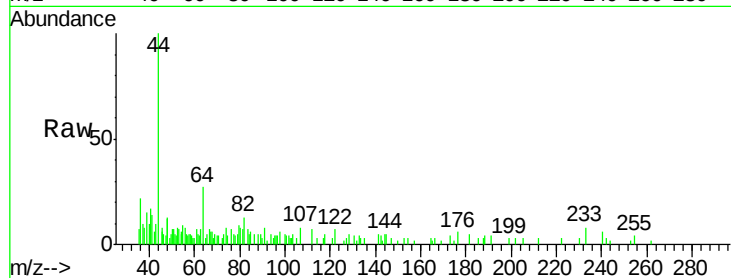
SA-TW524-2327

Tot Ion: 56 Resp: 435

Ion Ratio Lower Upper

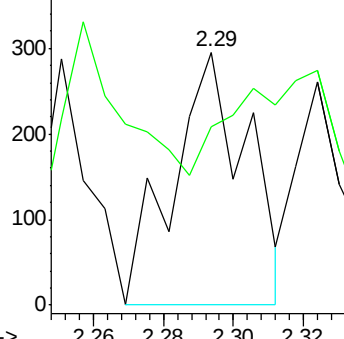
56 100

55 0.0 58.2 87.4#

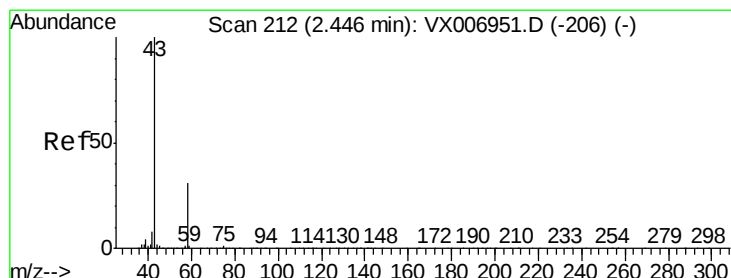
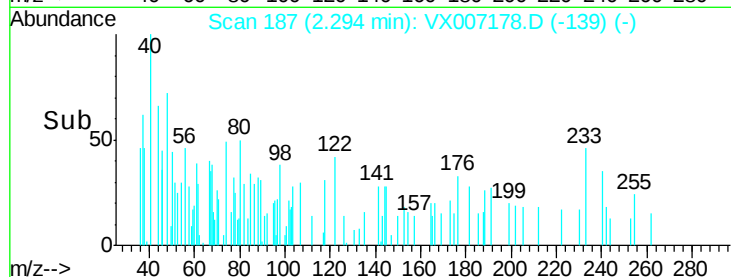


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.063 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007178.D

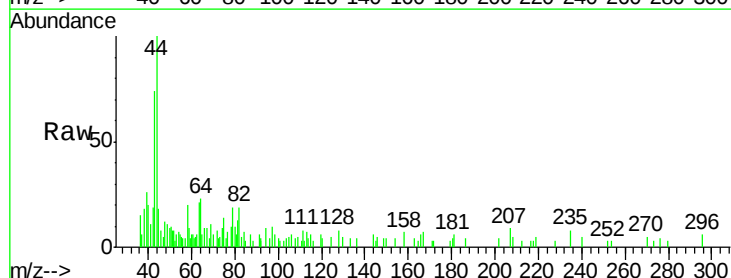
Acq: 22 Jan 2019 13:42

Tgt Ion: 43 Resp: 2985

Ion Ratio Lower Upper

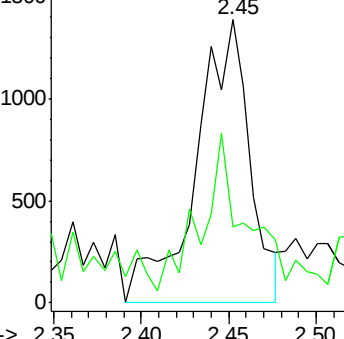
43 100

58 17.6 25.0 37.6#

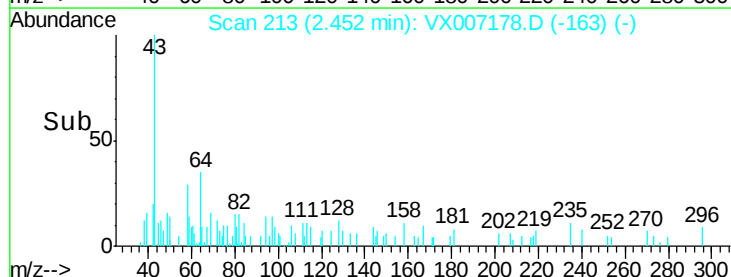


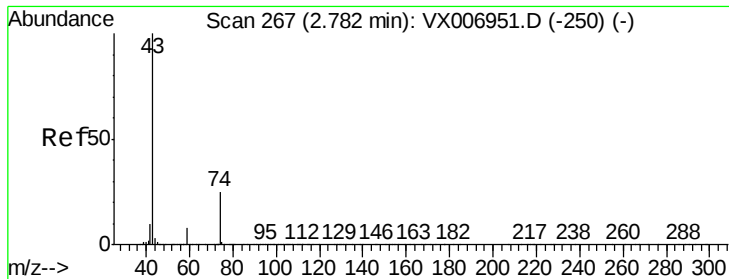
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

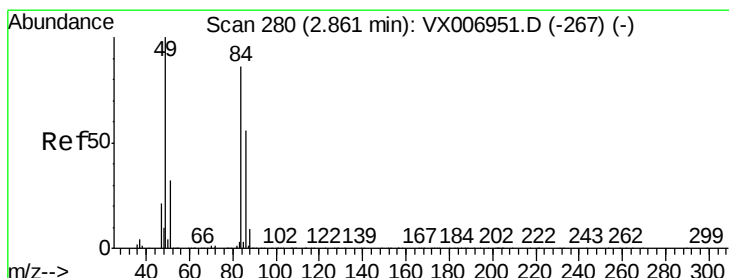
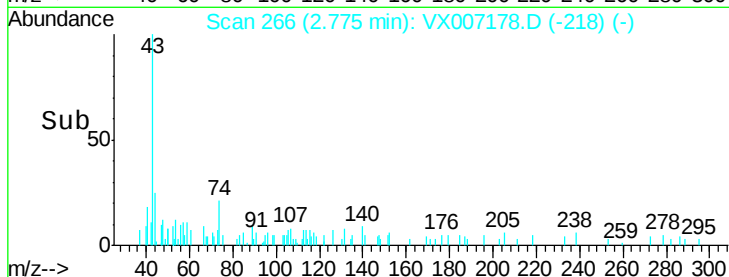
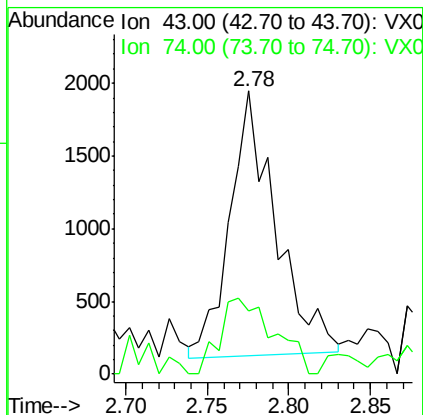
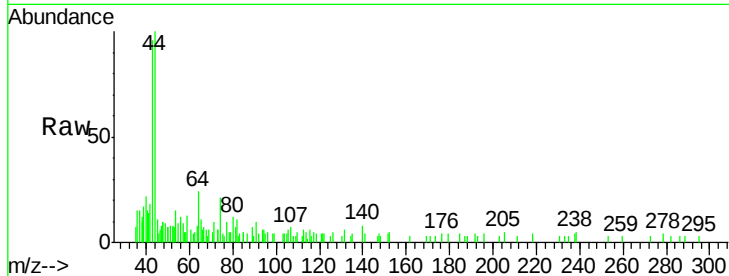




#18
Methyl Acetate
Concen: 0.437 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007178.D
Acq: 22 Jan 2019 13:42

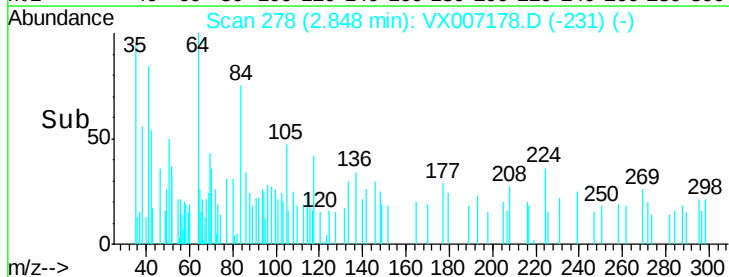
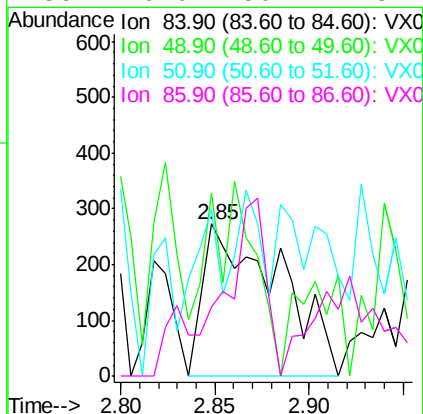
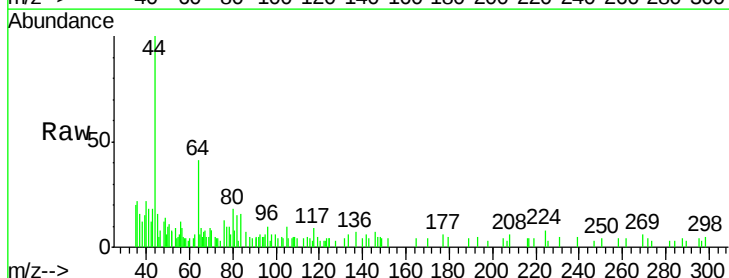
Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327

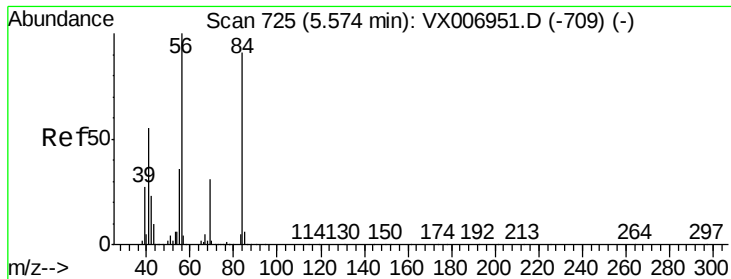
Tot Ion: 43 Resp: 3550
Ion Ratio Lower Upper
43 100
74 33.9 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX007178.D
Acq: 22 Jan 2019 13:42

Tgt Ion: 84 Resp: 762
Ion Ratio Lower Upper
84 100
49 83.5 91.8 137.6#
51 45.4 28.5 42.7#
86 0.0 50.2 75.2#

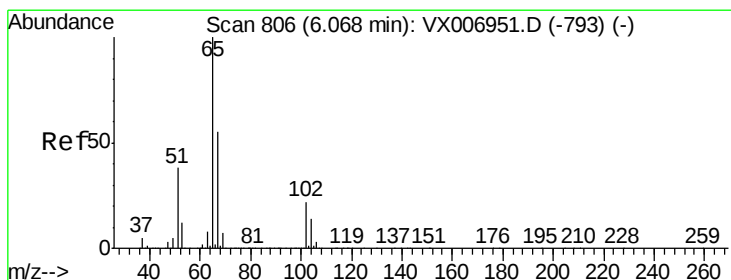
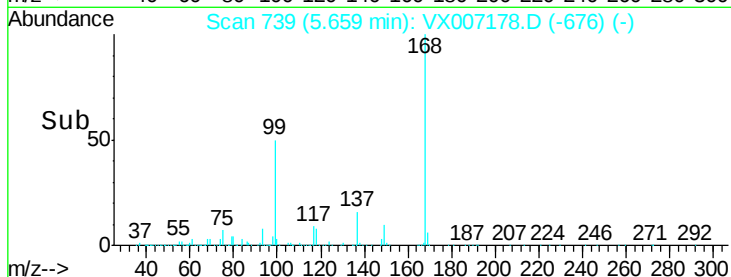
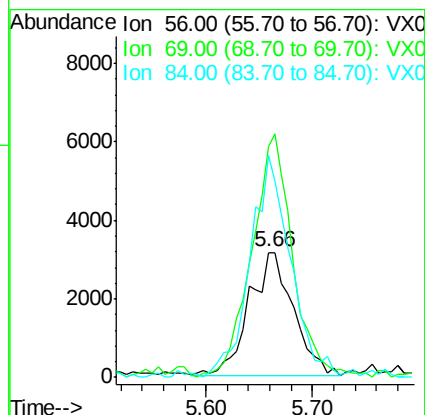
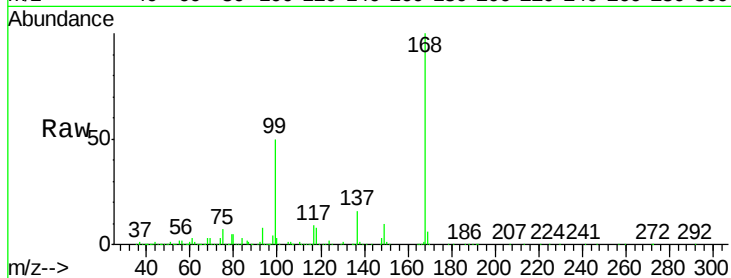




#31
Cyclohexane
Concen: 1.132 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007178.D
Acq: 22 Jan 2019 13:42

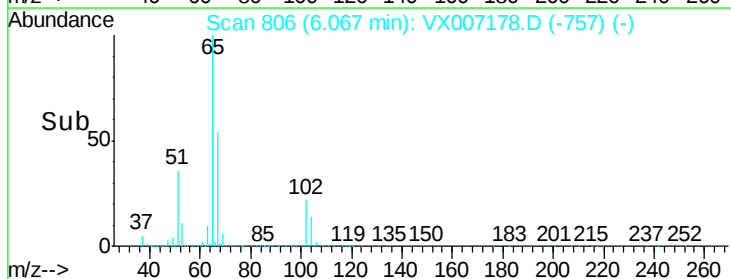
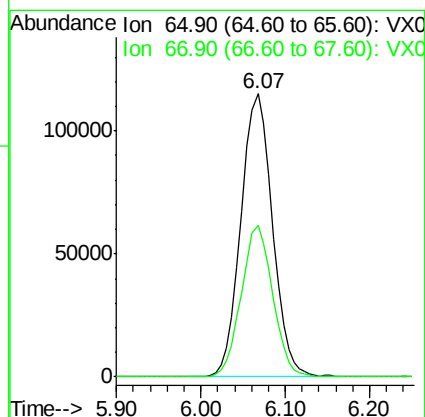
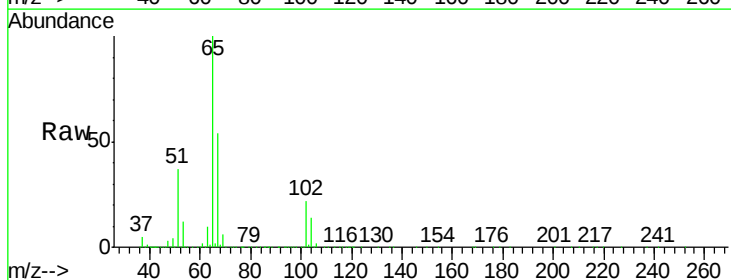
Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327

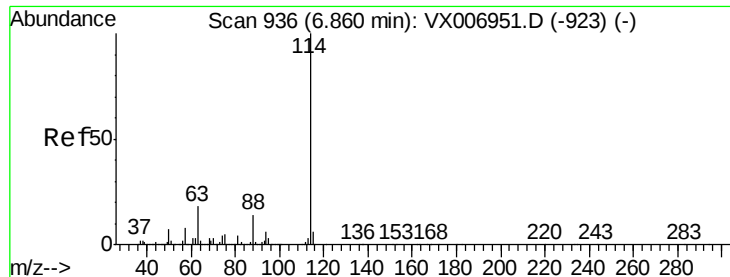
Tot Ion: 56 Resp: 9067
Ion Ratio Lower Upper
56 100
69 186.5 24.4 36.6#
84 178.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 51.465 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007178.D
Acq: 22 Jan 2019 13:42

Tgt Ion: 65 Resp: 292349
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007178.D

Acq: 22 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327

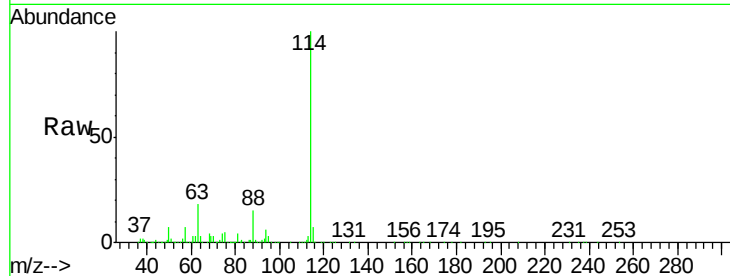
Tot Ion:114 Resp: 831408

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

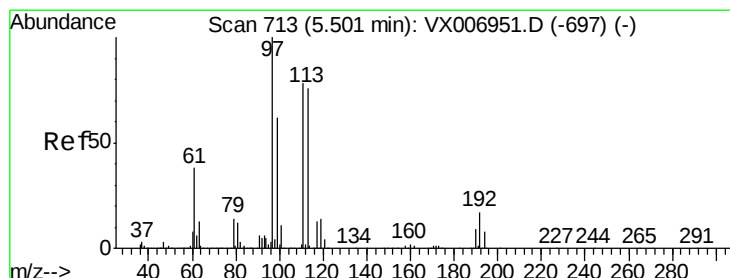
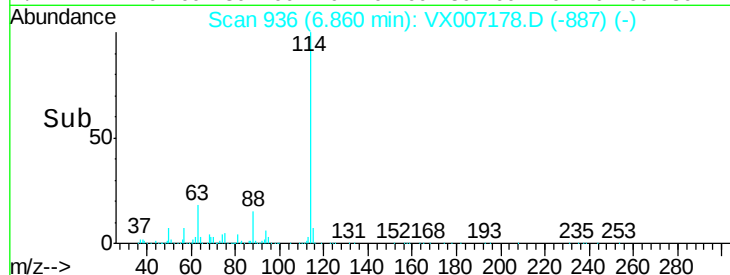
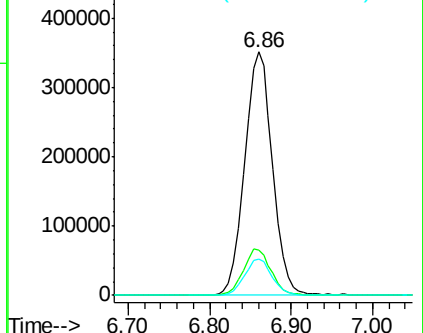
88 14.9 0.0 28.8



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: 48.595 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007178.D

Acq: 22 Jan 2019 13:42

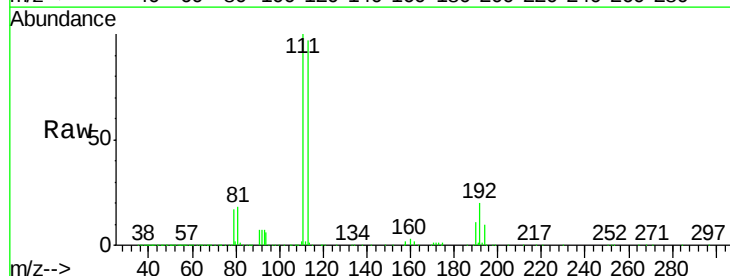
Tgt Ion:113 Resp: 258733

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

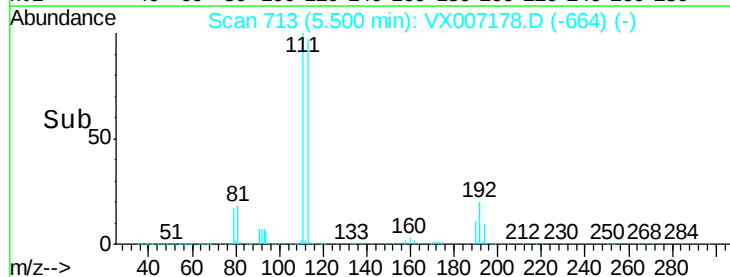
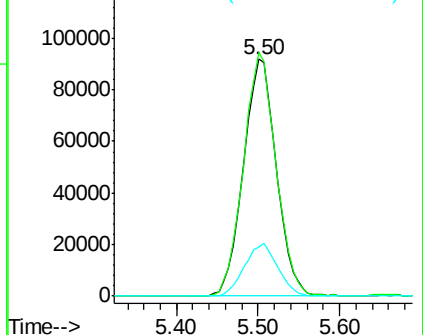
192 22.5 16.7 25.1

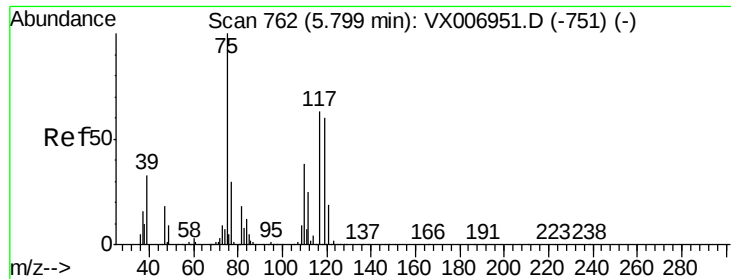


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

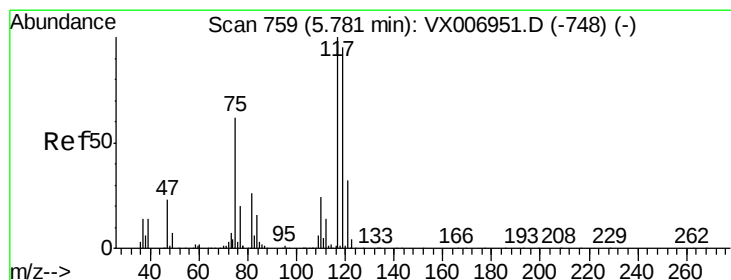
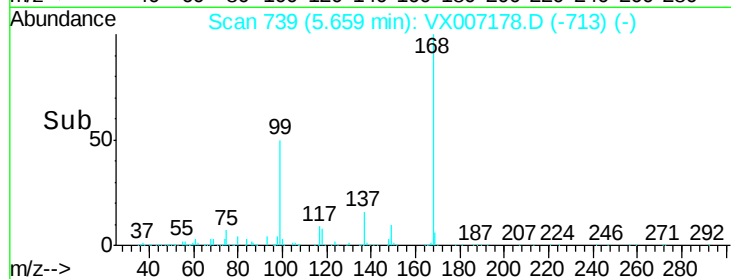
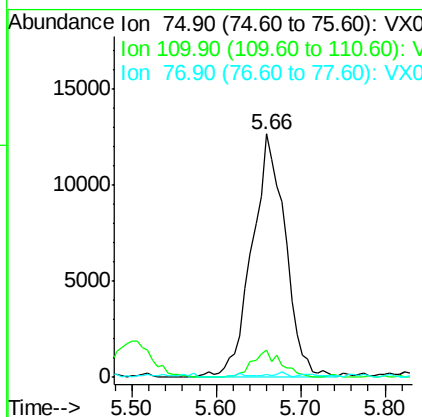
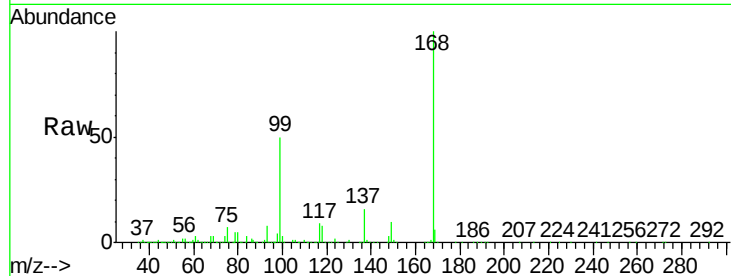




#36
 1,1-Dichloropropene
 Concen: 4.745 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007178.D
 Acq: 22 Jan 2019 13:42

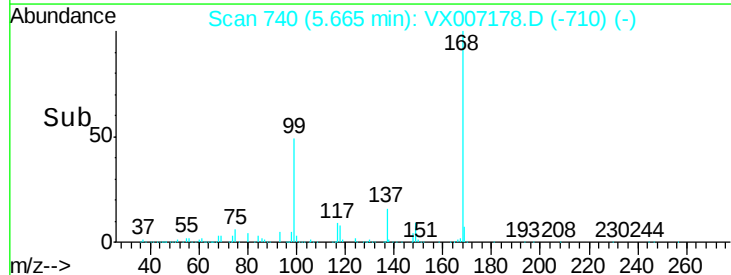
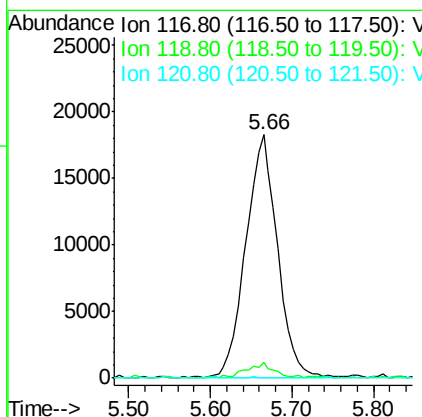
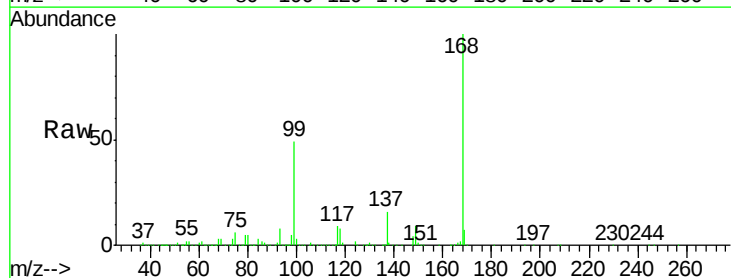
Instrument :
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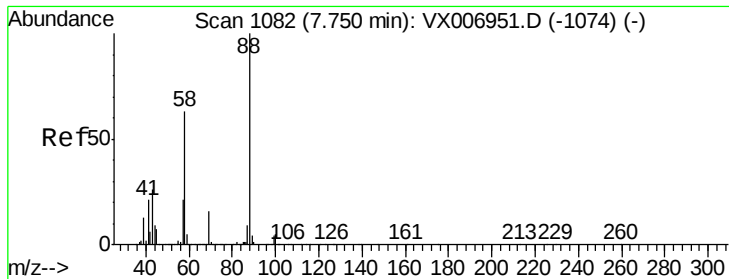
Tot Ion	75	Resp	34297
Ion Ratio	100	Lower	Upper
75	100		
110	9.7	20.2	60.5#
77	0.6	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.831 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007178.D
 Acq: 22 Jan 2019 13:42

Tgt Ion	117	Resp	49683
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.3	79.4	119.2#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007178.D

Acq: 22 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327

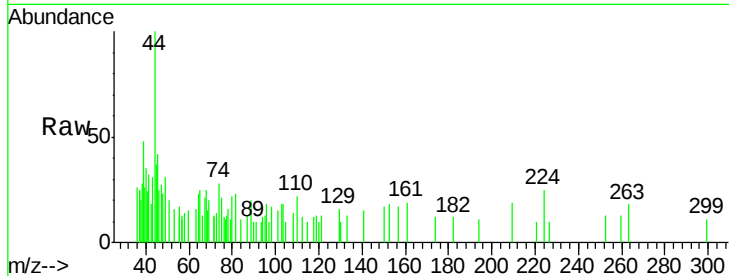
Tot Ion: 88 Resp: 204

Ion Ratio Lower Upper

88 100

43 109.3 22.2 33.4#

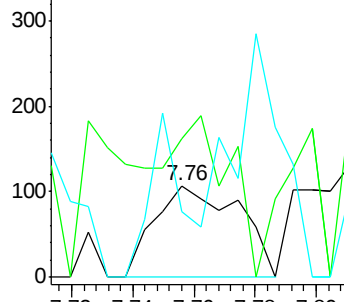
58 70.6 51.0 76.4



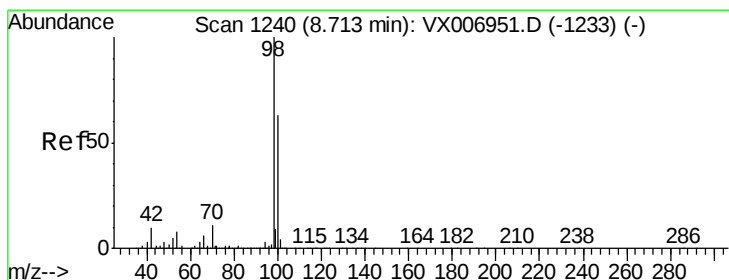
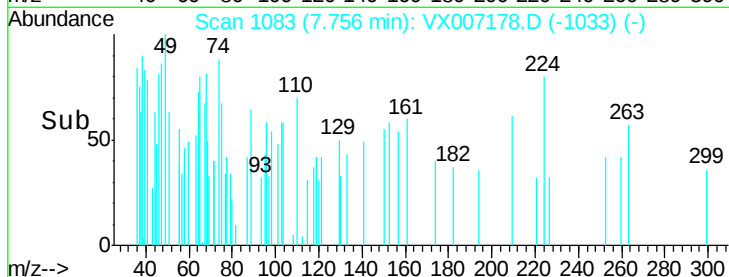
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 51.192 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007178.D

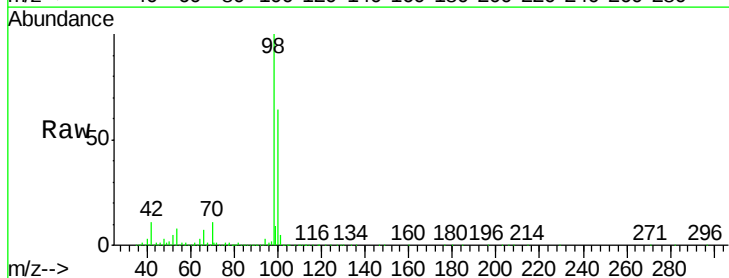
Acq: 22 Jan 2019 13:42

Tgt Ion: 98 Resp: 997653

Ion Ratio Lower Upper

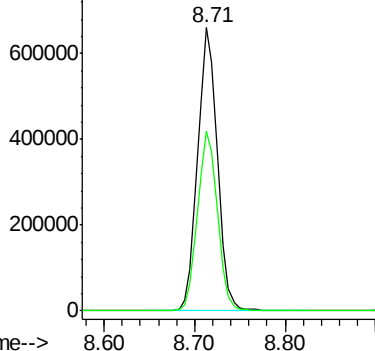
98 100

100 64.3 52.0 78.0

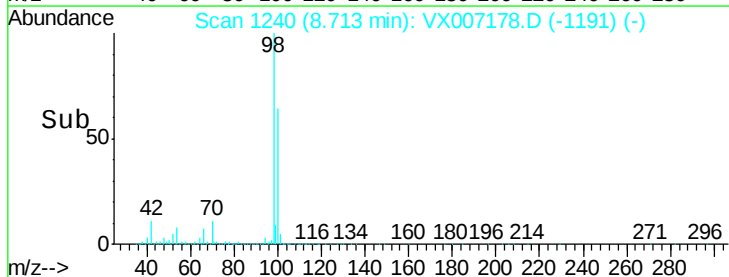


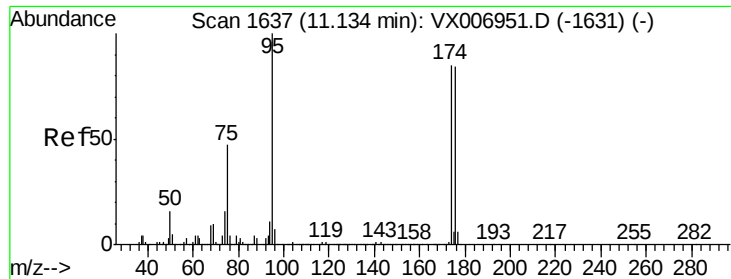
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->

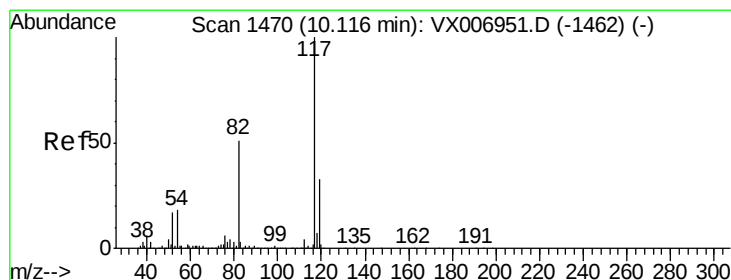
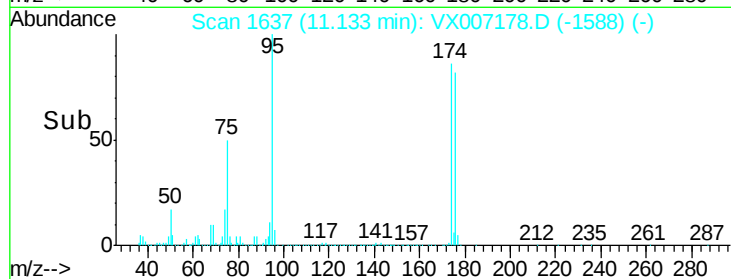
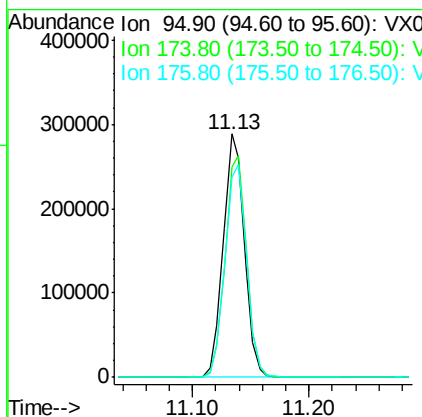
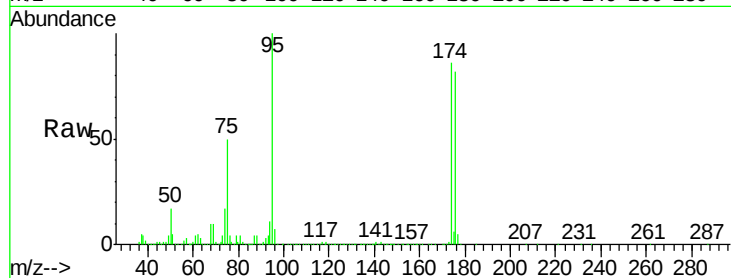




#62
4-Bromofluorobenzene
Concen: 53.214 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007178.D
Acq: 22 Jan 2019 13:42

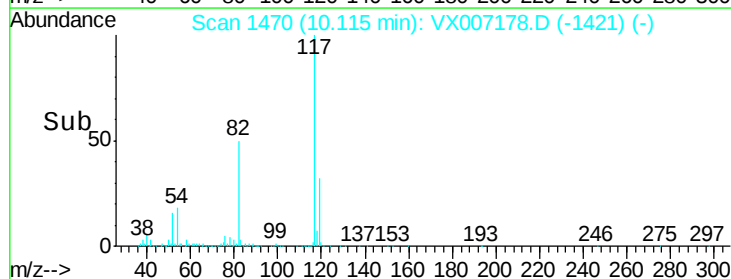
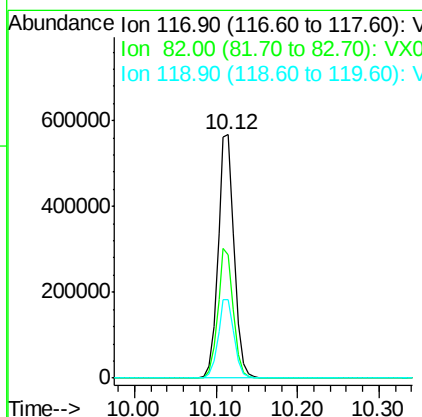
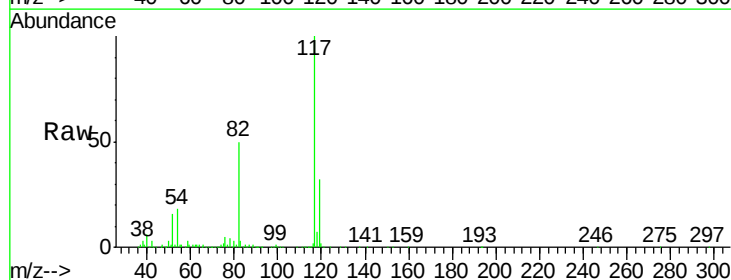
Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327

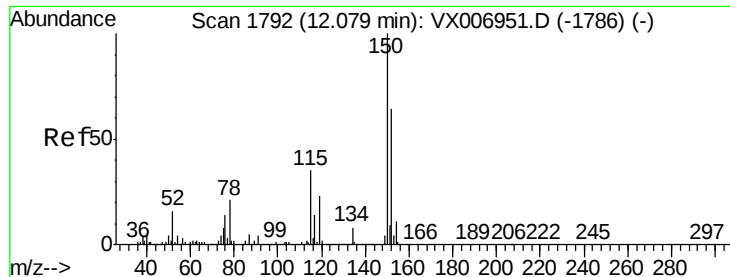
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	182.2
176	89.7	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007178.D
Acq: 22 Jan 2019 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.0	61.6
119	32.1	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007178.D

Acq: 22 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327

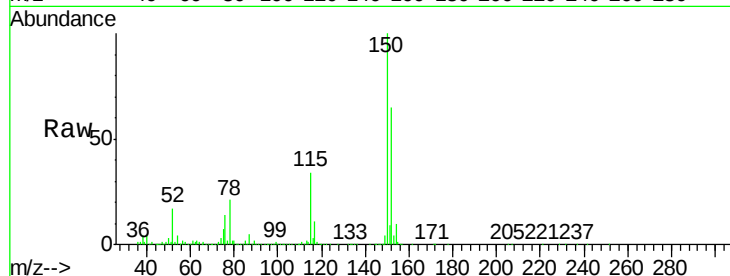
Tot Ion:152 Resp: 395710

Ion Ratio Lower Upper

152 100

115 54.2 39.1 117.2

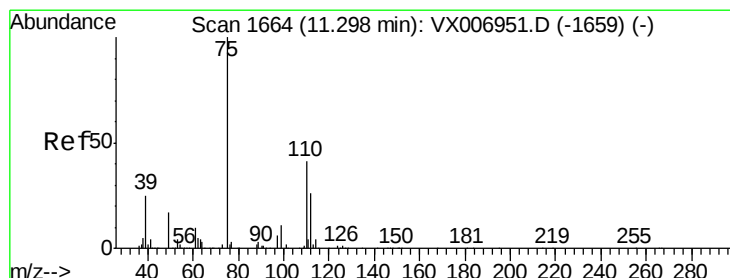
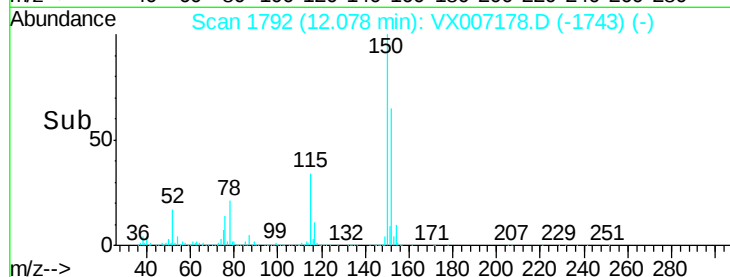
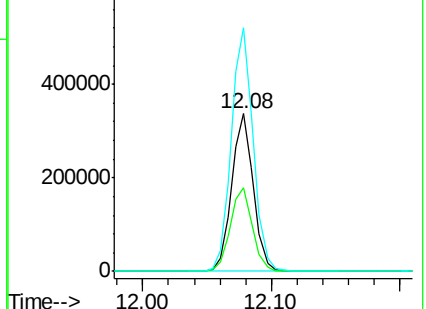
150 156.2 0.0 344.8



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: 21.761 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007178.D

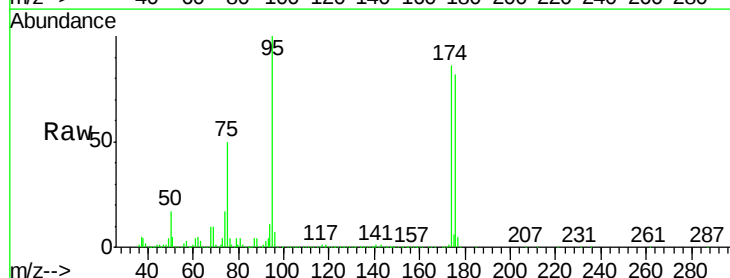
Acq: 22 Jan 2019 13:42

Tgt Ion: 75 Resp: 174497

Ion Ratio Lower Upper

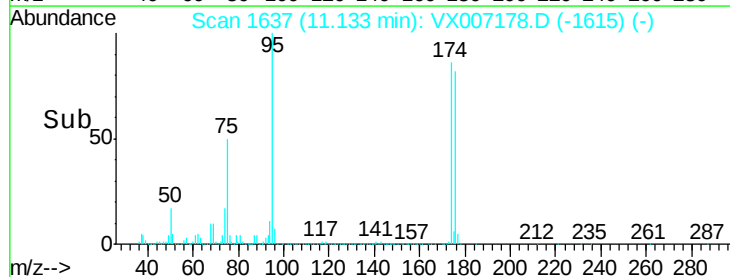
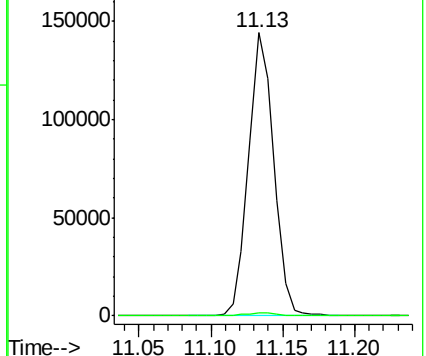
75 100

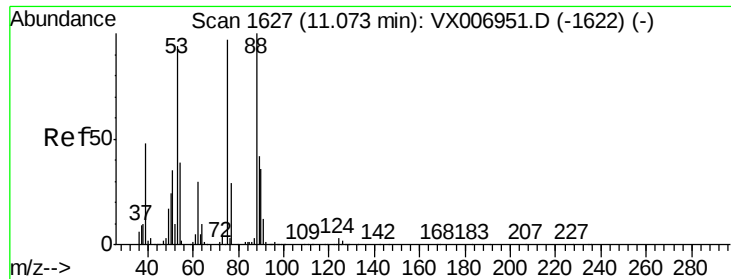
77 1.5 18.5 55.5#



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: 64.485 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007178.D

Acq: 22 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327

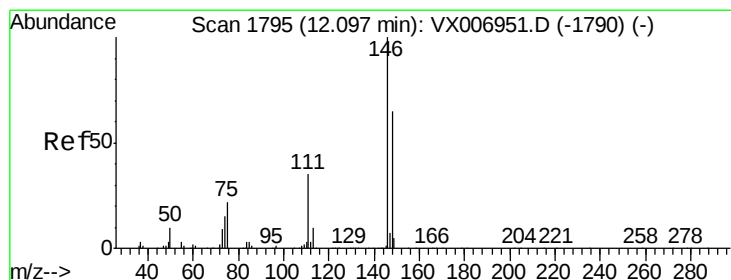
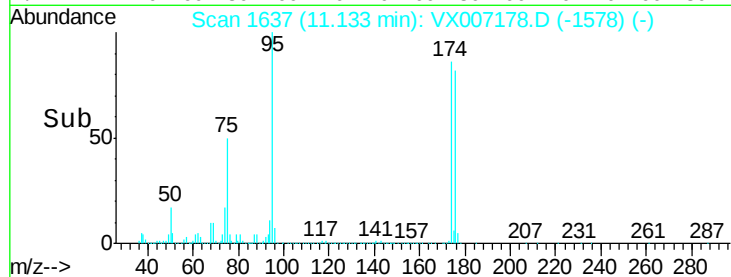
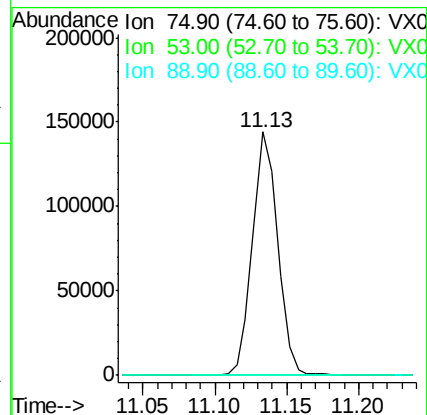
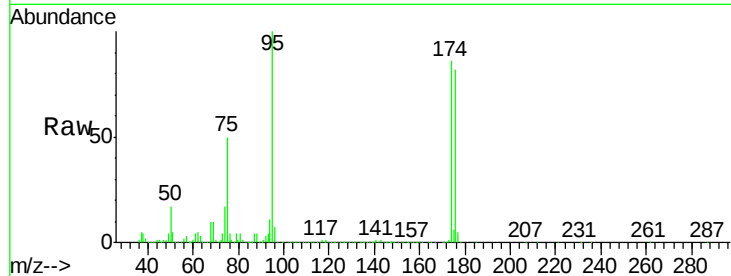
Tot Ion: 75 Resp: 174497

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.1 38.0 57.0#



#88

1,4-Dichlorobenzene

Concen: 0.203 ug/l

RT: 12.08 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VX007178.D

Acq: 22 Jan 2019 13:42

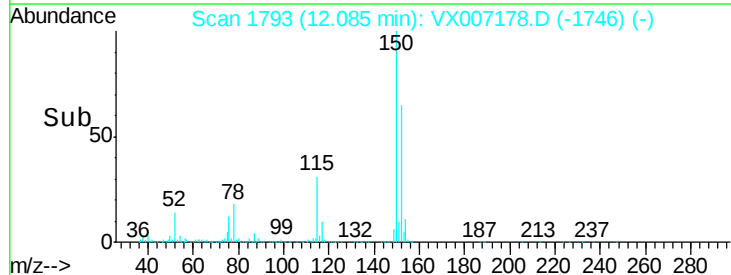
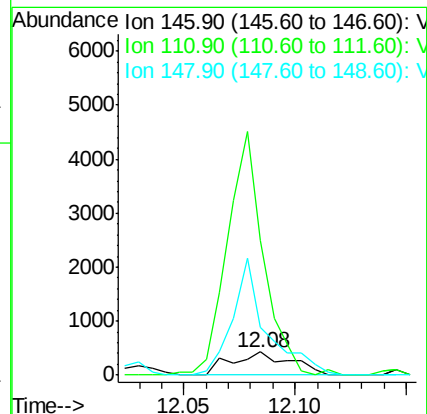
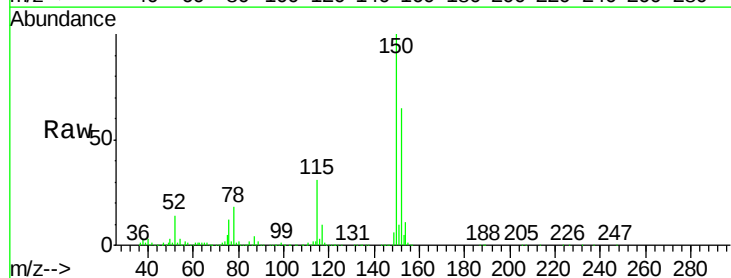
Tgt Ion: 146 Resp: 772

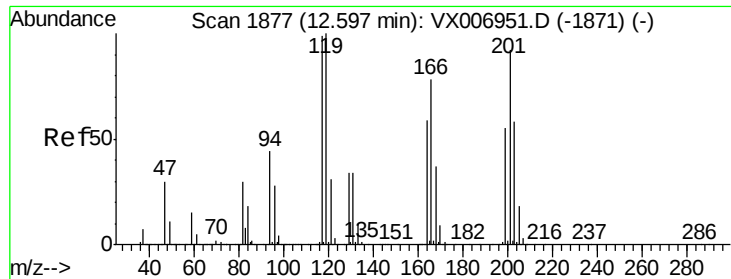
Ion Ratio Lower Upper

146 100

111 658.3 18.1 54.1#

148 298.3 31.9 95.9#





#90

Hexachloroethane

Concen: 2.918 ug/l

RT: 12.57 min Scan# 1873

Delta R.T. -0.02 min

Lab File: VX007178.D

Acq: 22 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

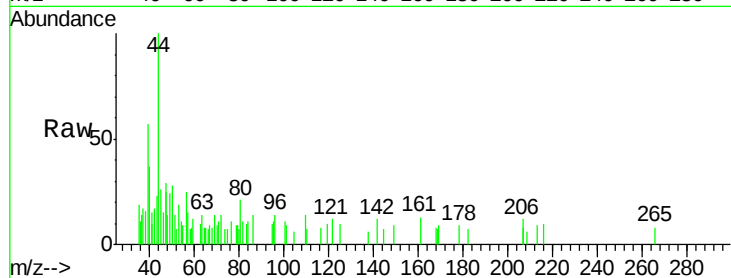
SA-TW524-2327

Tot Ion:117 Resp: 42

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

