

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082719\
 Data File : VX011855.D
 Acq On : 27 Aug 2019 17:14
 Operator : JC/SP
 Sample : K4555-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-14

Quant Time: Aug 28 02:24:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	430107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	590736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	527379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	258968	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	215112	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	5.49	113	183202	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	8.71	98	679762	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.13	95	250797	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	

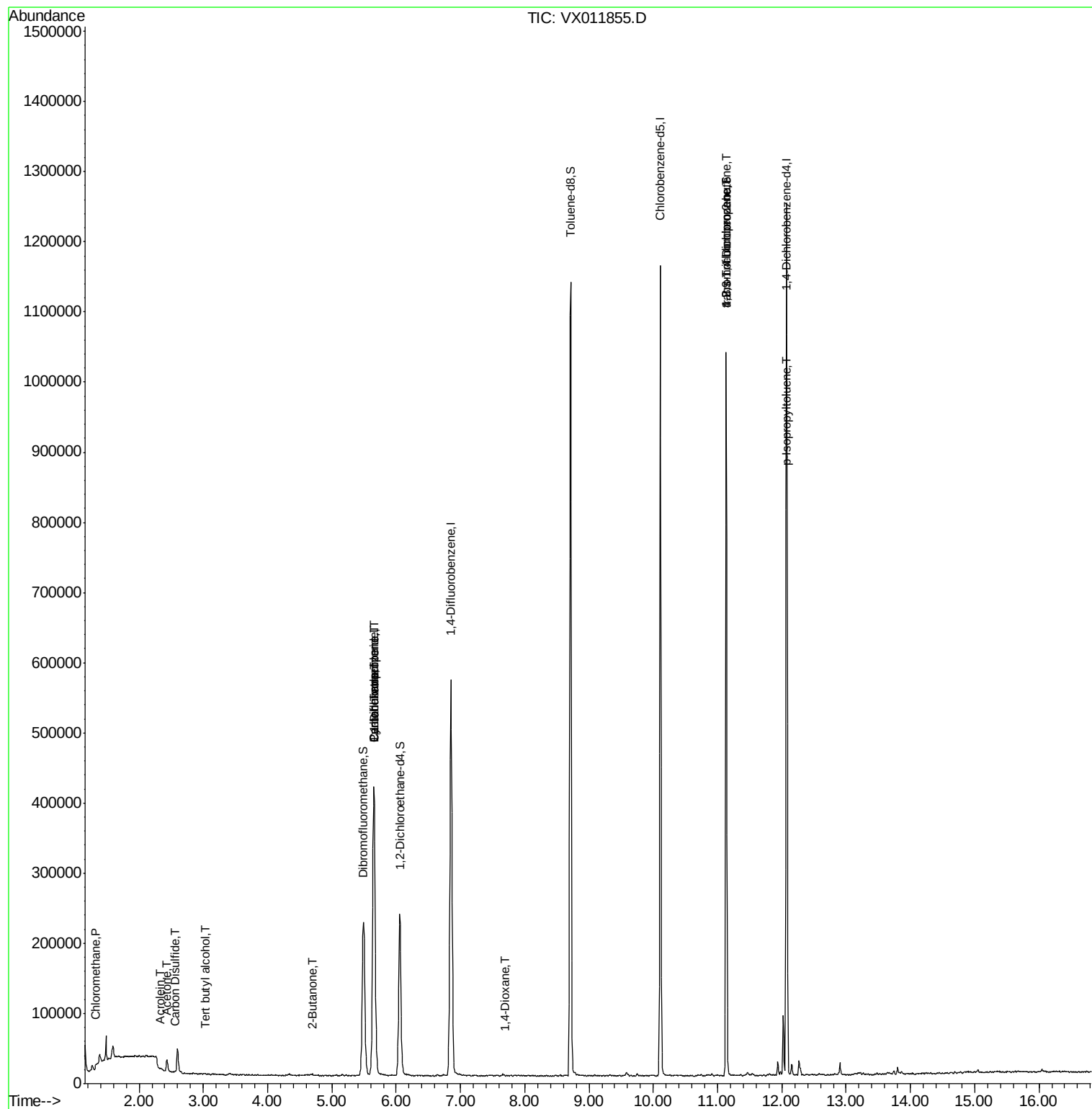
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	887	0.252	ug/l #	58
11) Tert butyl alcohol	3.04	59	2034	2.382	ug/l #	89
13) Acrolein	2.32	56	344	1.042	ug/l #	16
16) Acetone	2.43	43	17173	9.137	ug/l	99
17) Carbon Disulfide	2.56	76	2226	0.260	ug/l	100
25) 2-Butanone	4.69	43	2636	0.977	ug/l #	78
31) Cyclohexane	5.65	56	6939	1.306	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	27010	5.831	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37027	7.053	ug/l #	16
49) 1,4-Dioxane	7.70	88	51	0.466	ug/l #	26
76) 1,2,3-Trichloropropane	11.13	75	124250	27.343	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	124250	82.462	ug/l #	11
86) p-Isopropyltoluene	12.06	119	3100	0.219	ug/l #	60

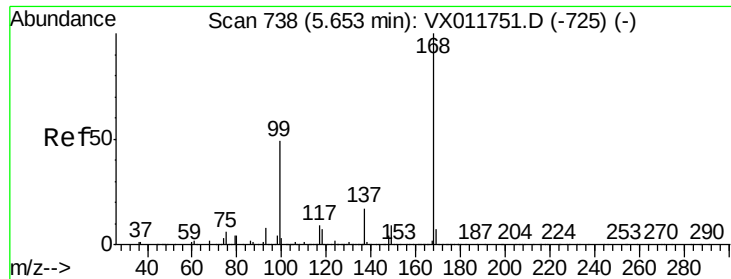
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011855.D

Acq: 27 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

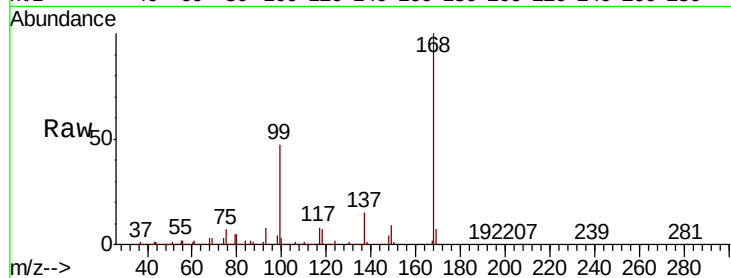
TW-14

Tgt Ion:168 Resp: 430107

Ion Ratio Lower Upper

168 100

99 47.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

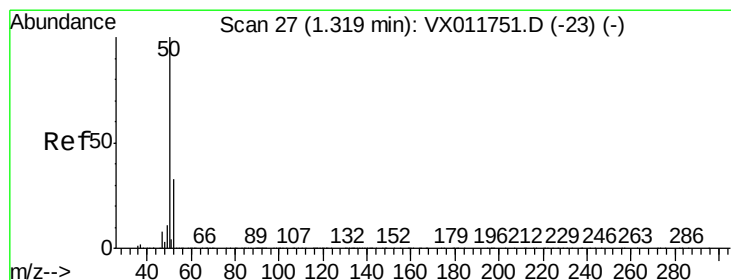
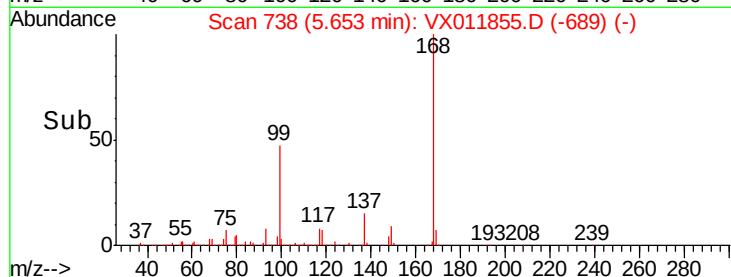
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011855.D

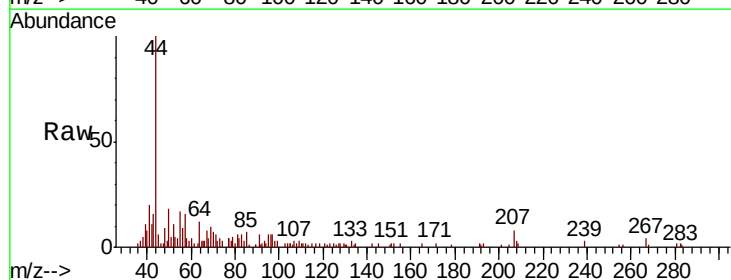
Acq: 27 Aug 2019 17:14

Tgt Ion: 50 Resp: 887

Ion Ratio Lower Upper

50 100

52 57.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

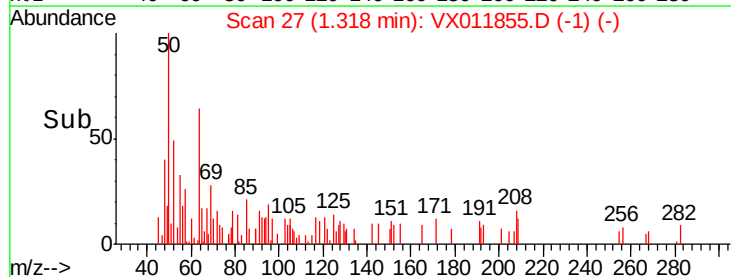
600

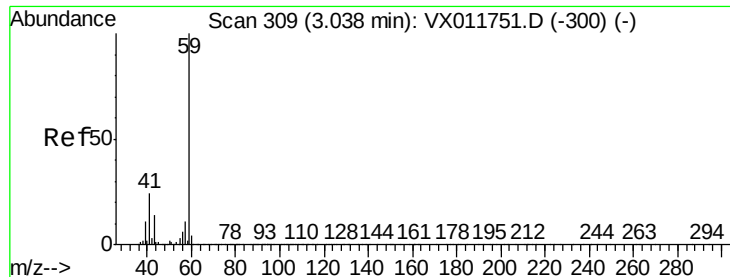
400

200

0

Time--> 1.30 1.35

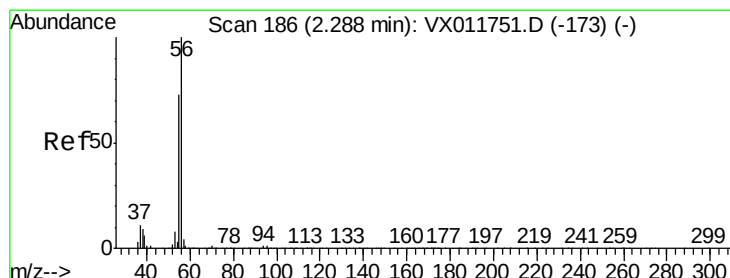
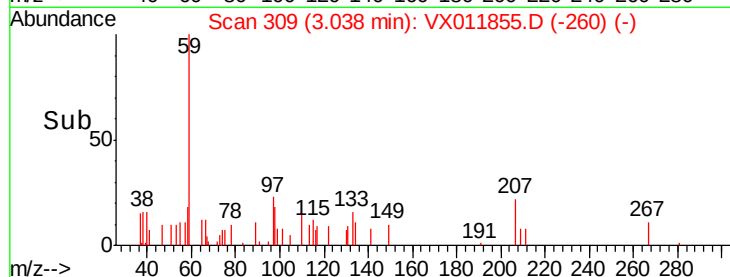
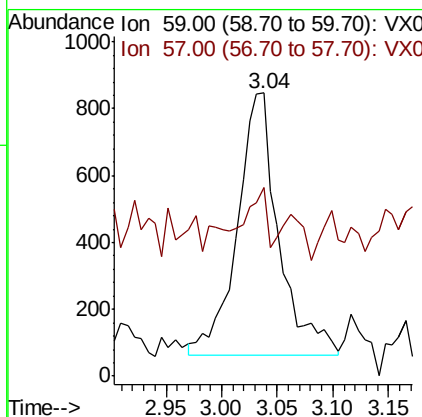
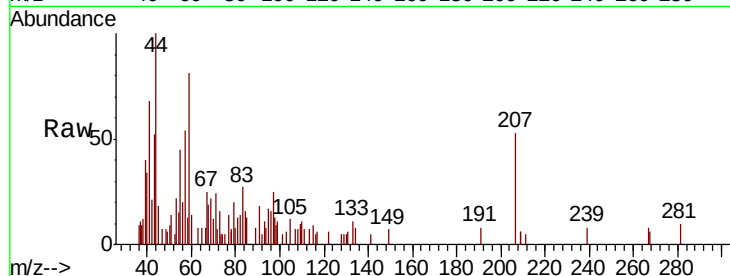




#11
Tert butyl alcohol
Concen: 2.382 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.00 min
Lab File: VX011855.D
Acq: 27 Aug 2019 17:14

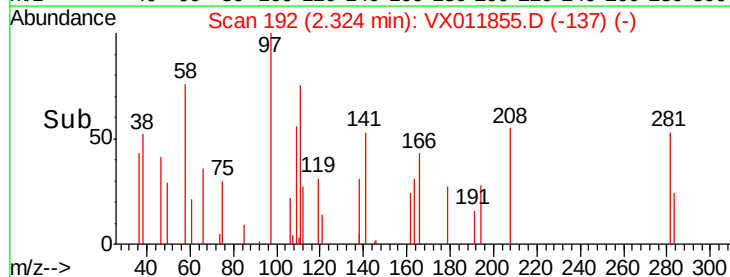
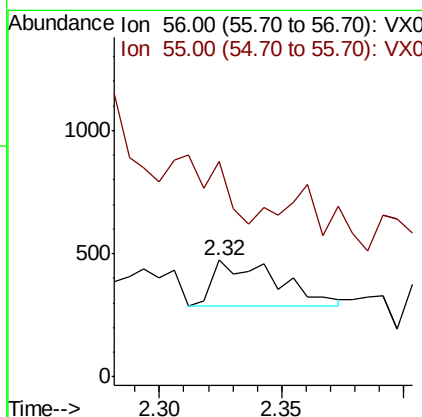
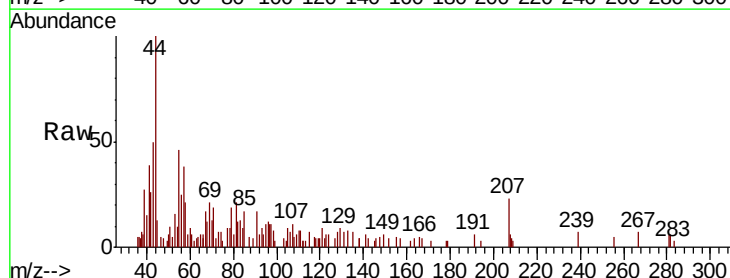
Instrument :
MSVOA_X
ClientSampleId :
TW-14

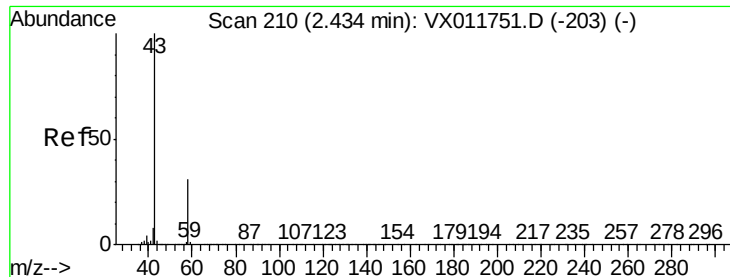
Tgt Ion: 59 Resp: 2034
Ion Ratio Lower Upper
59 100
57 6.3 8.4 12.6#



#13
Acrolein
Concen: 1.042 ug/l
RT: 2.32 min Scan# 192
Delta R.T. 0.04 min
Lab File: VX011855.D
Acq: 27 Aug 2019 17:14

Tgt Ion: 56 Resp: 344
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#





#16

Acetone

Concen: 9.137 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011855.D

Acq: 27 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

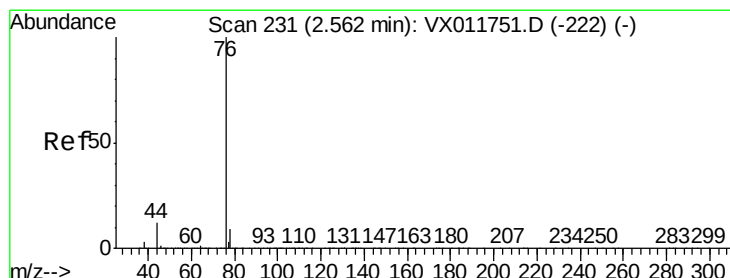
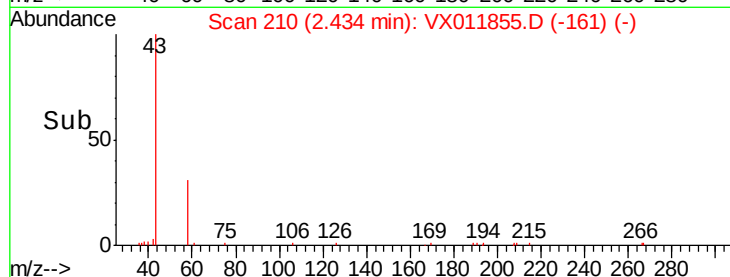
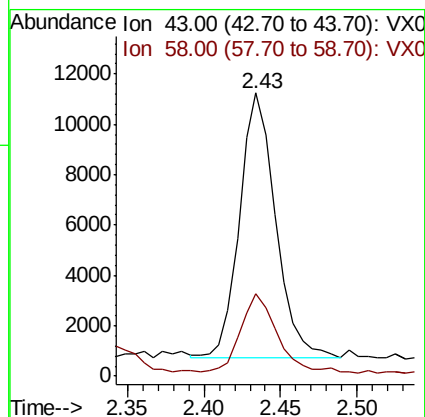
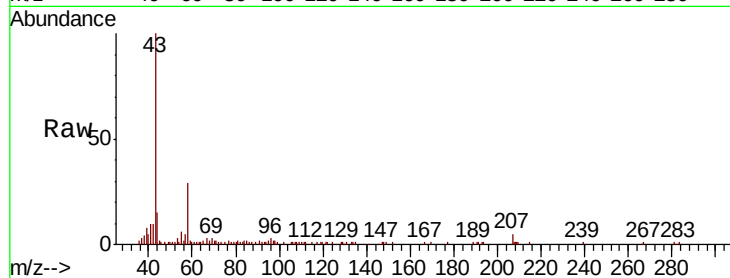
TW-14

Tgt Ion: 43 Resp: 17173

Ion Ratio Lower Upper

43 100

58 29.7 24.4 36.6



#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011855.D

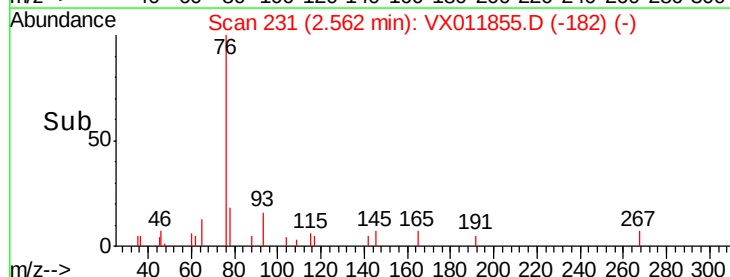
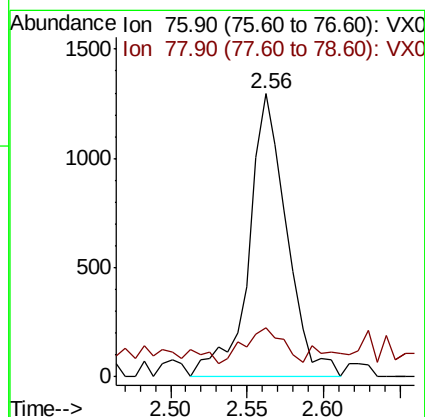
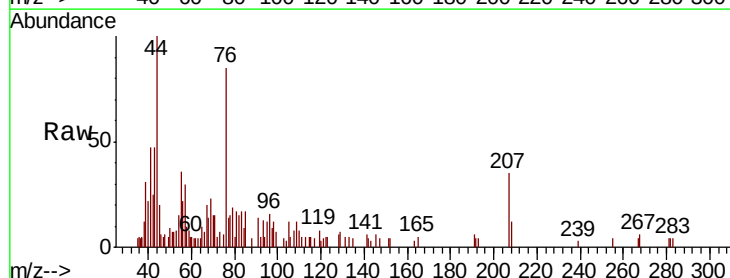
Acq: 27 Aug 2019 17:14

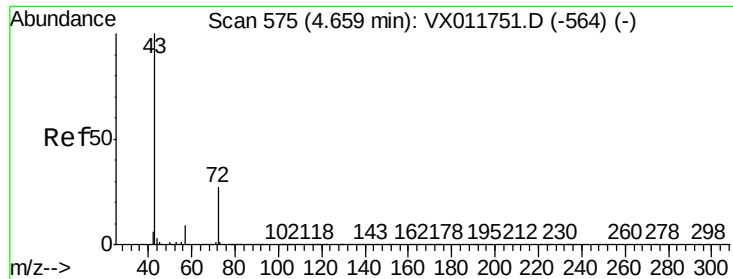
Tgt Ion: 76 Resp: 2226

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#25

2-Butanone

Concen: 0.977 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.03 min

Lab File: VX011855.D

Acq: 27 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampled :

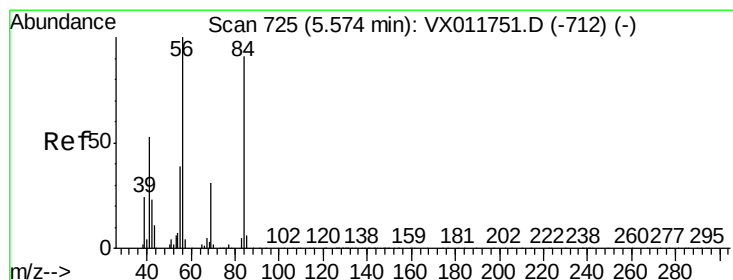
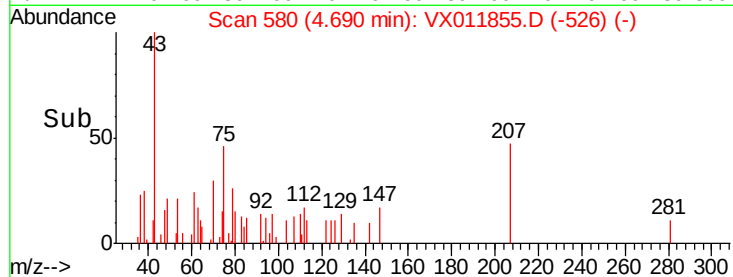
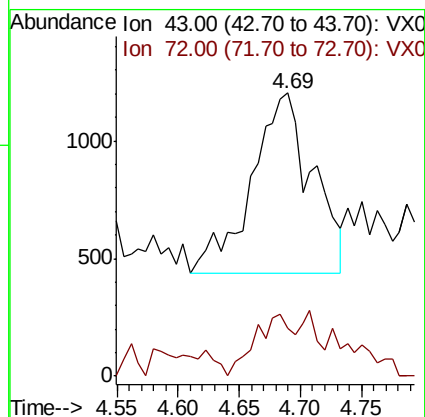
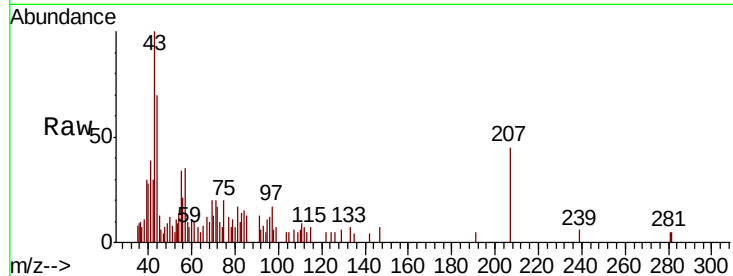
TW-14

Tgt Ion: 43 Resp: 2636

Ion Ratio Lower Upper

43 100

72 15.8 21.8 32.6#



#31

Cyclohexane

Concen: 1.306 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.07 min

Lab File: VX011855.D

Acq: 27 Aug 2019 17:14

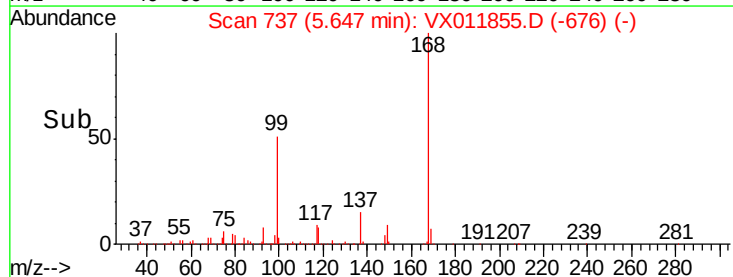
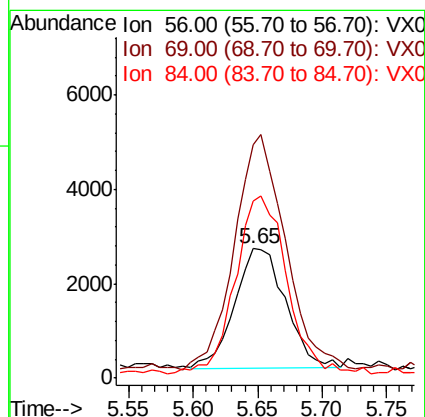
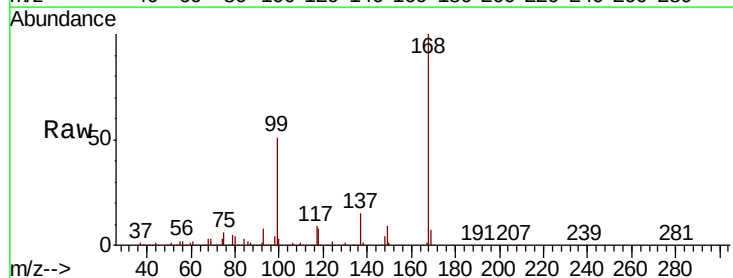
Tgt Ion: 56 Resp: 6939

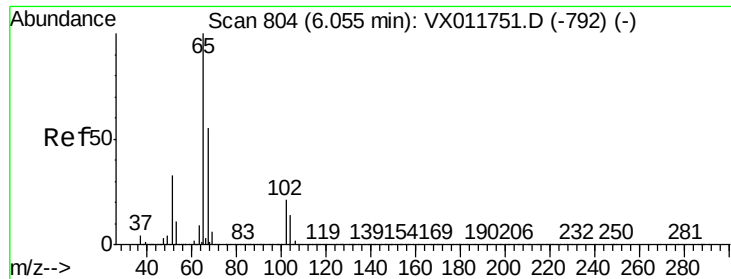
Ion Ratio Lower Upper

56 100

69 183.6 24.5 36.7#

84 141.8 72.7 109.1#

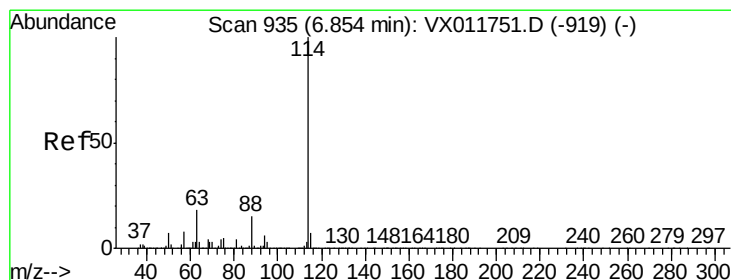
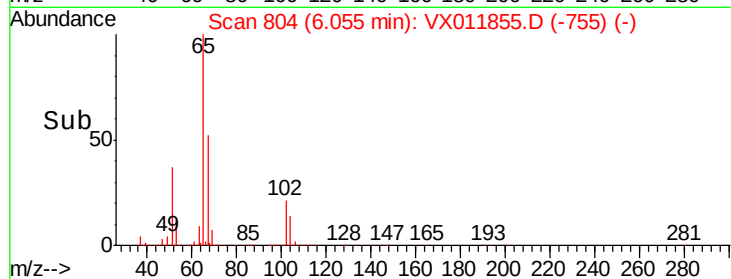
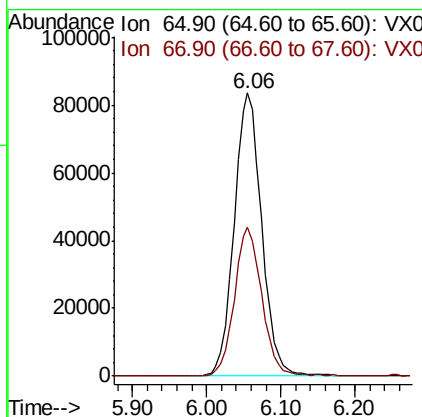
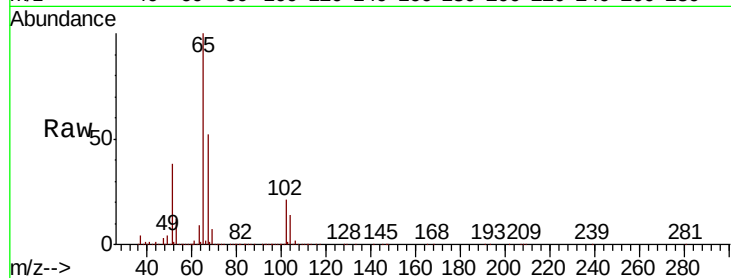




#33
 1,2-Dichloroethane-d4
 Concen: 49.787 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011855.D
 Acq: 27 Aug 2019 17:14

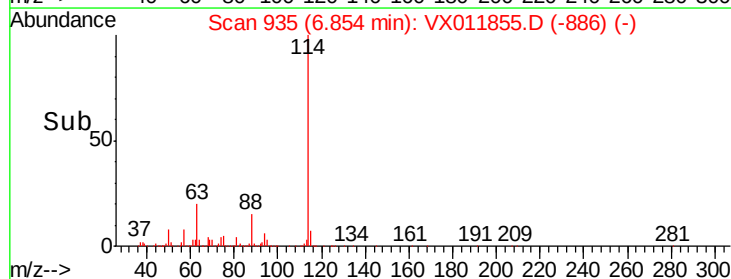
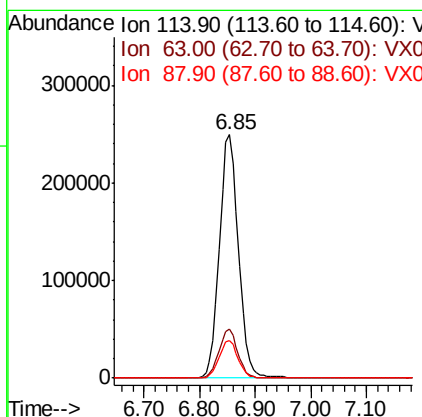
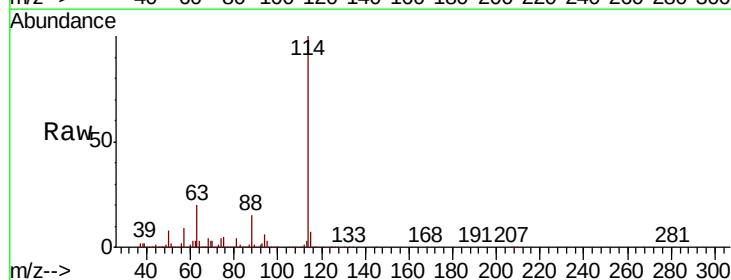
Instrument :
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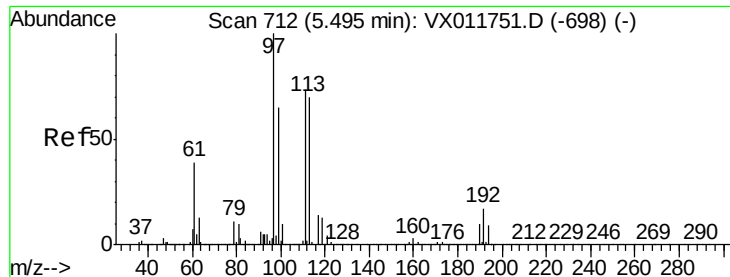
Tgt Ion: 65 Resp: 215112
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011855.D
 Acq: 27 Aug 2019 17:14

Tgt Ion: 114 Resp: 590736
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 36.8
 88 15.3 0.0 30.2

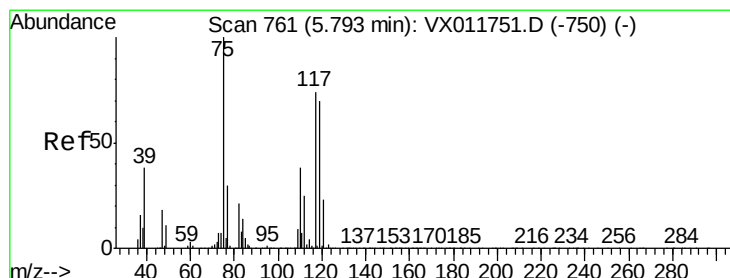
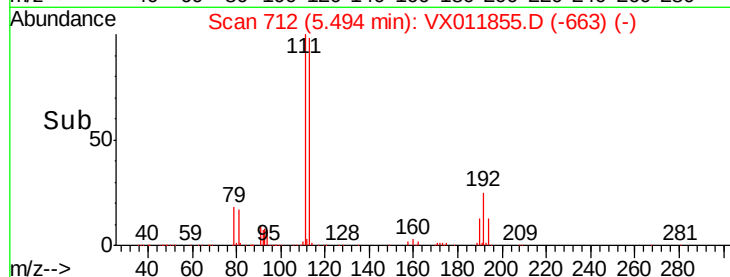
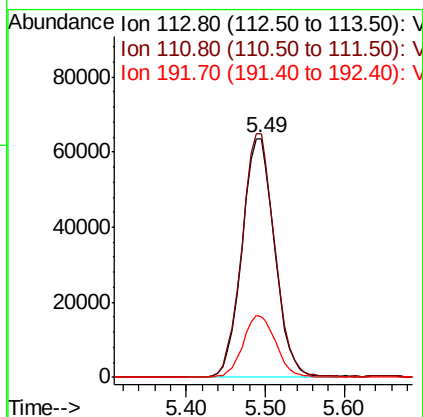
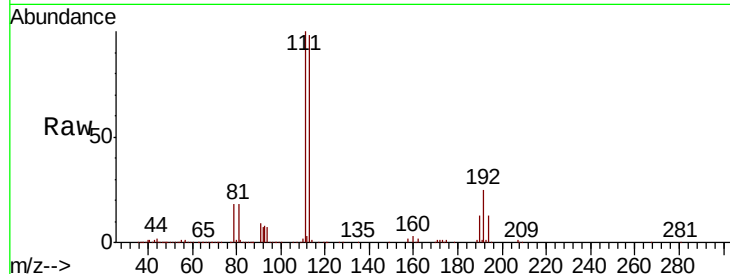




#35
 Dibromofluoromethane
 Concen: 47.959 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011855.D
 Acq: 27 Aug 2019 17:14

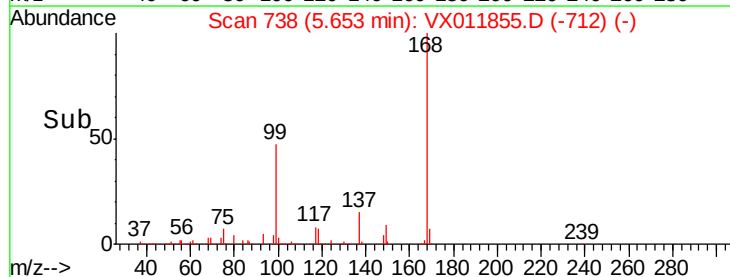
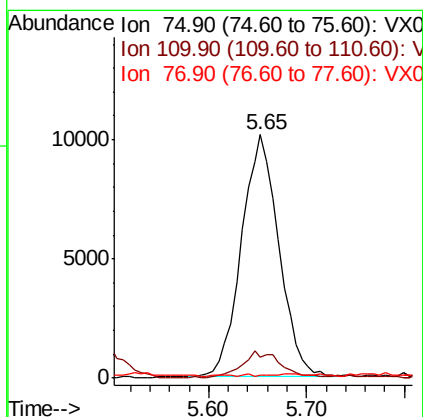
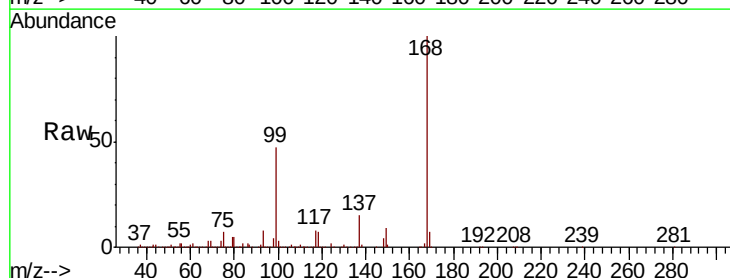
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-14

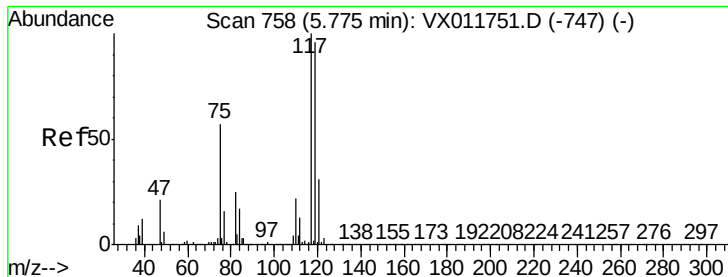
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	26.2	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.831 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011855.D
 Acq: 27 Aug 2019 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	19.0	57.0#
77	0.2	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 7.053 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011855.D

Acq: 27 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampled :

TW-14

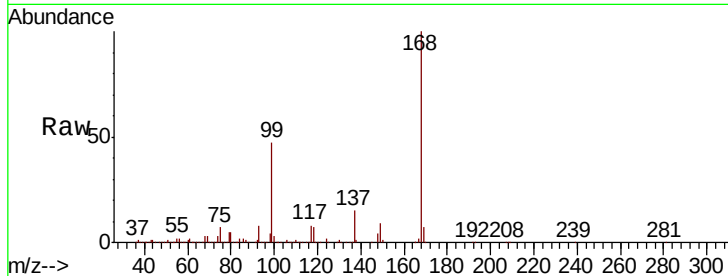
Tgt Ion: 117 Resp: 37027

Ion Ratio Lower Upper

117 100

119 5.0 76.6 114.8#

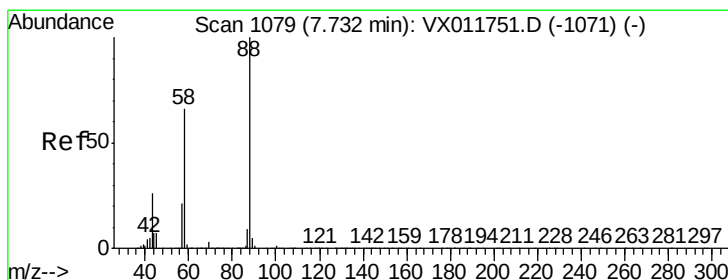
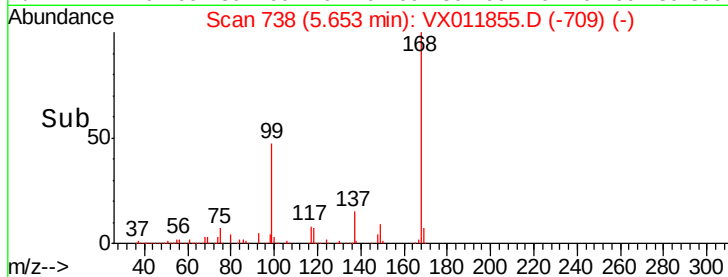
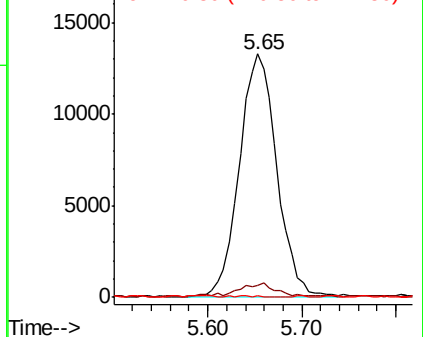
121 0.0 25.2 37.8#



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



#49

1,4-Dioxane

Concen: 0.466 ug/l

RT: 7.70 min Scan# 1073

Delta R.T. -0.04 min

Lab File: VX011855.D

Acq: 27 Aug 2019 17:14

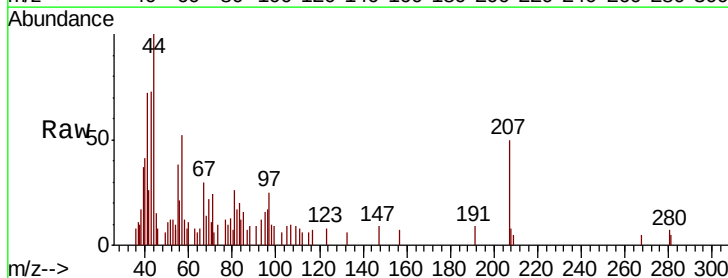
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 0.0 24.6 37.0#

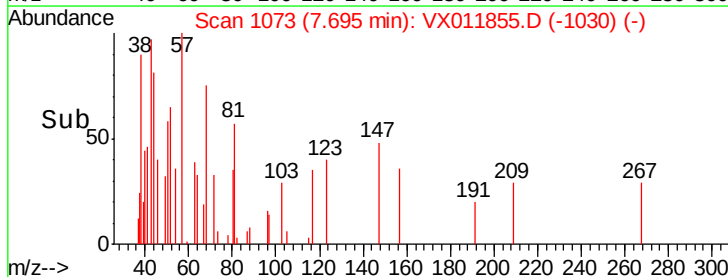
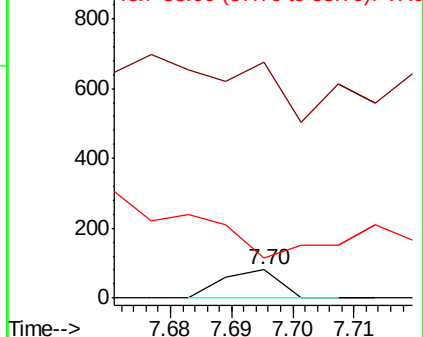
58 0.0 51.4 77.2#

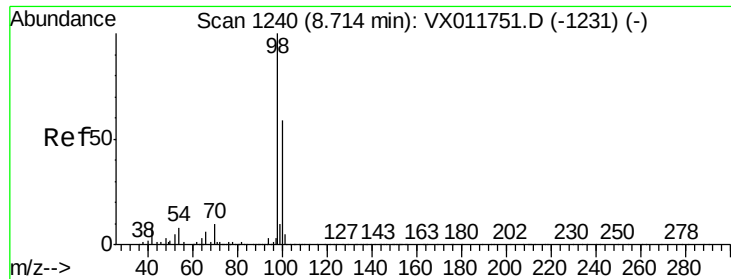


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

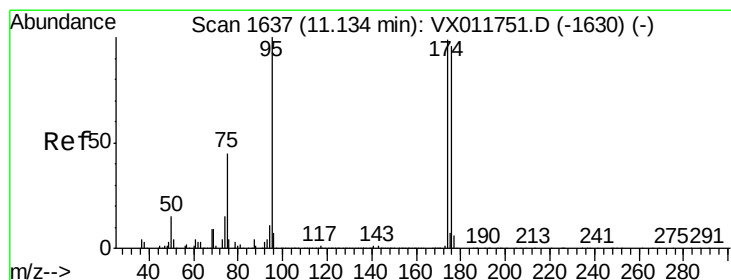
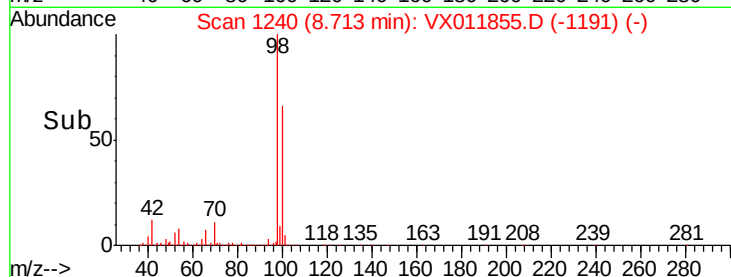
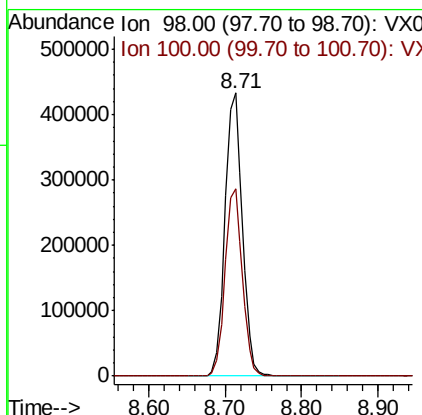
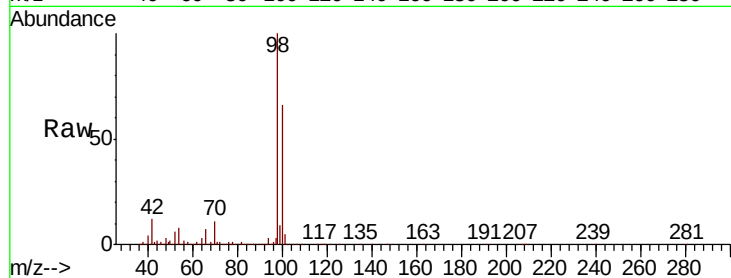




#50
Toluene-d8
Concen: 51.018 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011855.D
Acq: 27 Aug 2019 17:14

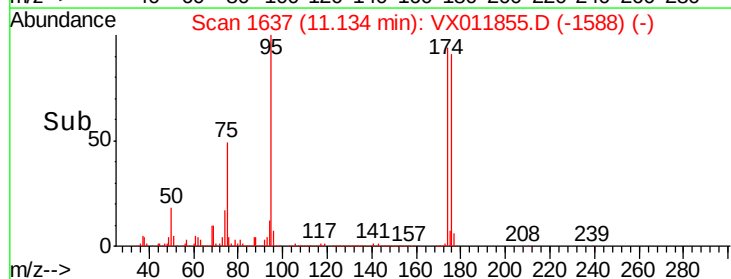
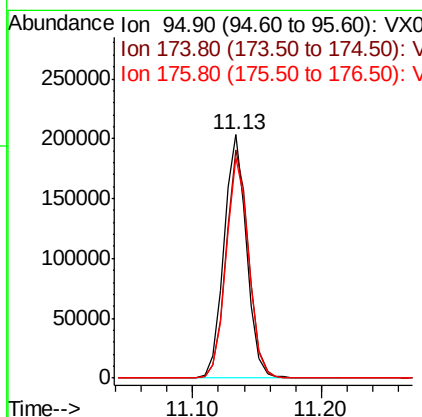
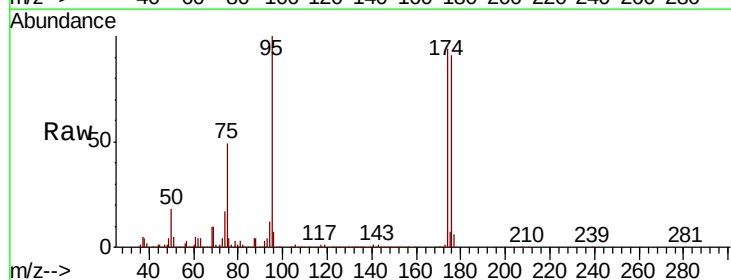
Instrument :
MSVOA_X
ClientSampleId :
TW-14

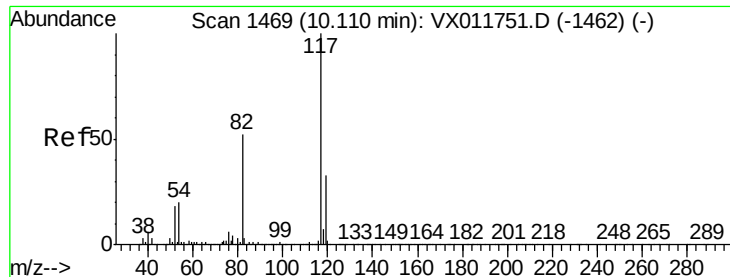
Tgt Ion: 98 Resp: 679762
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.622 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011855.D
Acq: 27 Aug 2019 17:14

Tgt Ion: 95 Resp: 250797
Ion Ratio Lower Upper
95 100
174 94.3 0.0 197.4
176 91.6 0.0 194.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011855.D

Acq: 27 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampled :

TW-14

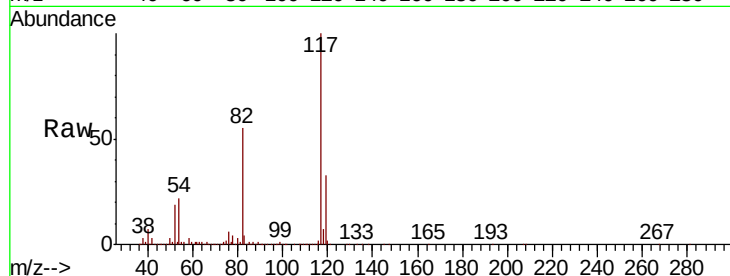
Tgt Ion:117 Resp: 527379

Ion Ratio Lower Upper

117 100

82 54.6 41.7 62.5

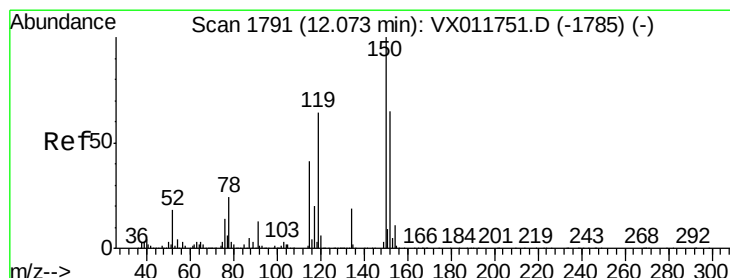
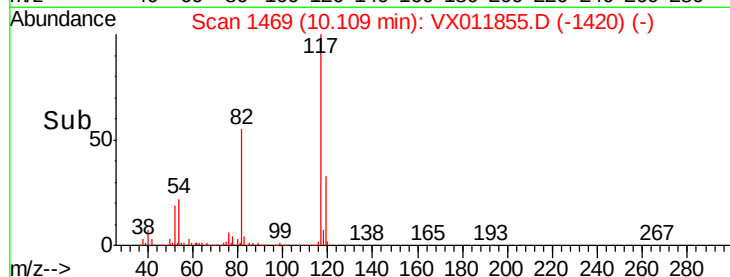
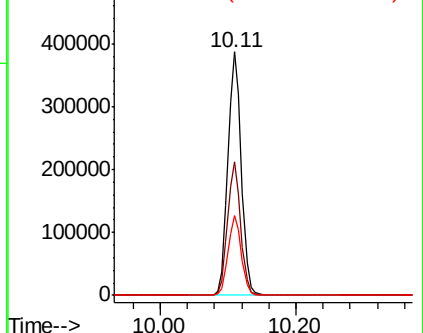
119 32.7 26.2 39.2



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: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011855.D

Acq: 27 Aug 2019 17:14

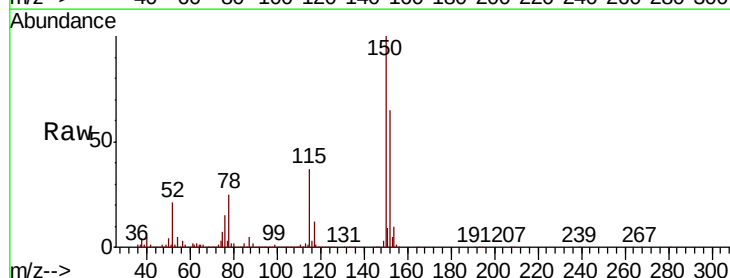
Tgt Ion:152 Resp: 258968

Ion Ratio Lower Upper

152 100

115 54.6 37.3 111.8

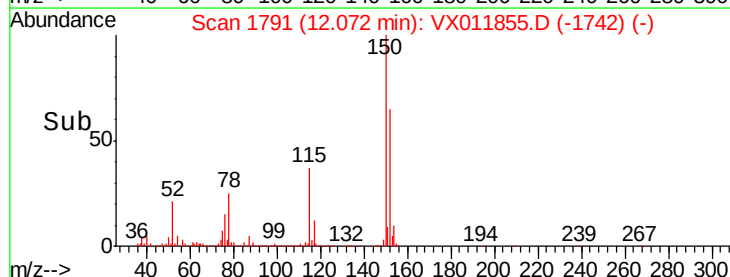
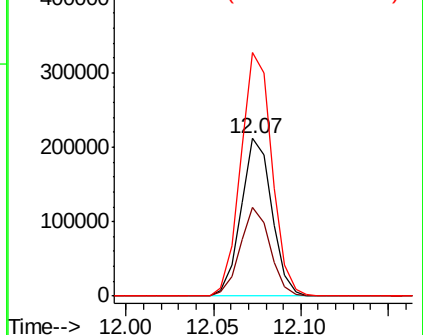
150 156.6 0.0 343.0

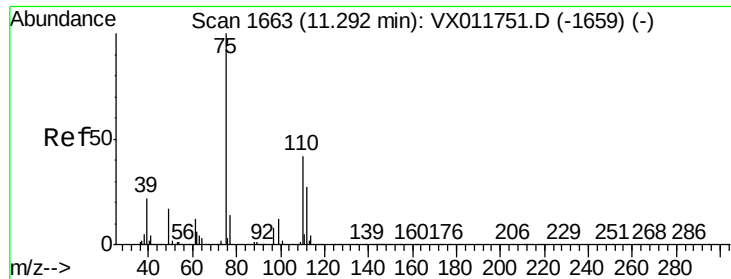


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

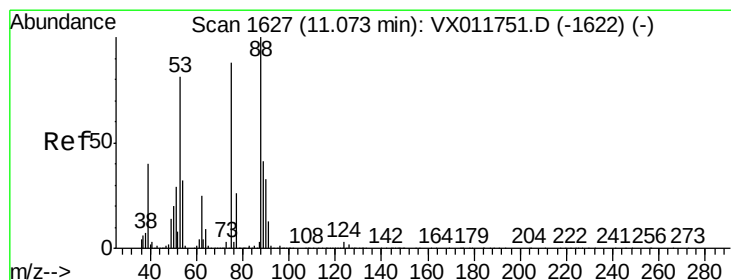
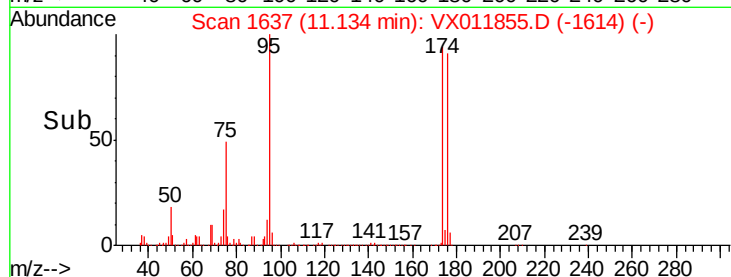
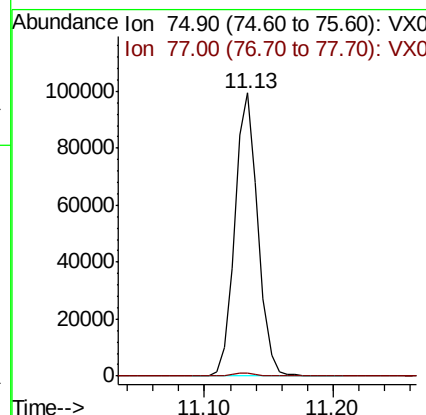
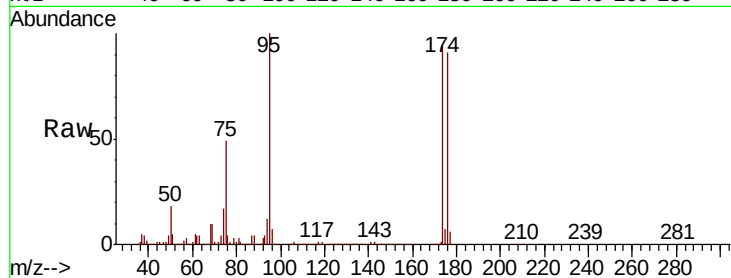




#76
 1,2,3-Trichloropropane
 Concen: 27.343 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011855.D
 Acq: 27 Aug 2019 17:14

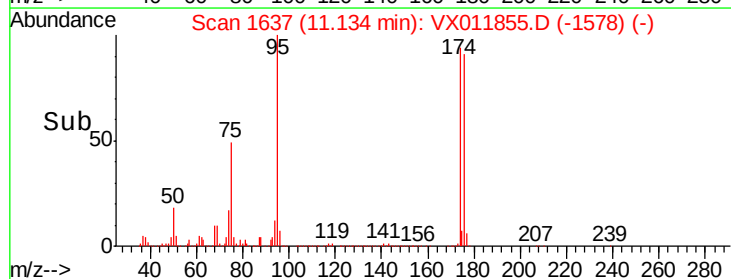
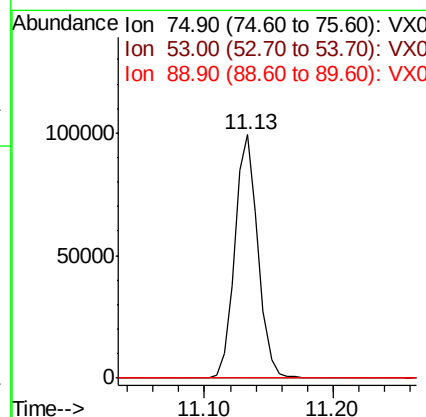
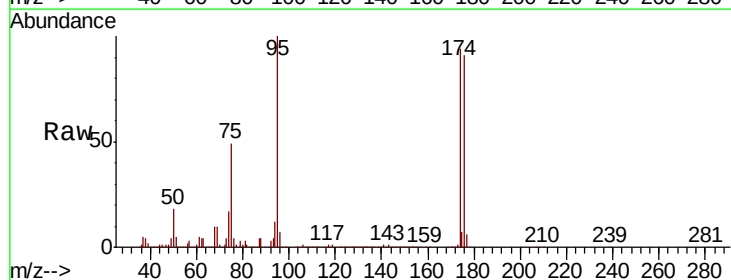
Instrument :
 MSVOA_X
 ClientSampled :
 TW-14

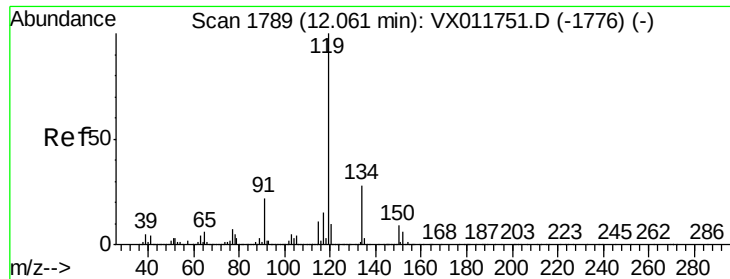
Tgt Ion: 75 Resp: 124250
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.1 63.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.462 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011855.D
 Acq: 27 Aug 2019 17:14

Tgt Ion: 75 Resp: 124250
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.1 115.7#
 89 0.1 38.5 57.7#





#86
 p-Isopropyltoluene
 Concen: 0.219 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011855.D
 Acq: 27 Aug 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	43.3	13.7	41.0#
91	46.6	11.1	33.3#

