

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008195.D
 Acq On : 19 Mar 2019 17:15
 Operator : JC/SP
 Sample : K1860-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

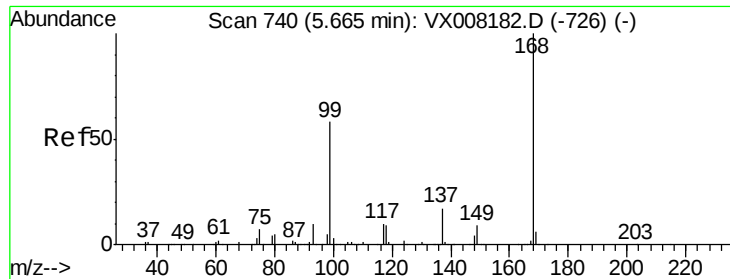
Quant Time: Mar 20 07:10:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	350863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	564405	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	479630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189089	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	240139	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
35) Dibromofluoromethane	5.50	113	176504	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
50) Toluene-d8	8.71	98	700975	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.13	95	224136	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1319	0.310	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	13524	2.999	ug/l	89
12) 1,1-Dichloroethene	2.38	96	1203	0.283	ug/l	92
13) Acrolein	2.30	56	101	Below Cal	#	13
16) Acetone	2.45	43	6661	2.223	ug/l	99
17) Carbon Disulfide	2.57	76	1549	0.785	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	4609	0.879	ug/l	89
32) 1,1,1-Trichloroethane	5.50	97	1505	0.207	ug/l #	49
36) 1,1-Dichloropropene	5.66	75	28999	4.413	ug/l #	50
38) Carbon Tetrachloride	5.67	117	35521	6.067	ug/l #	16
44) Trichloroethene	7.21	130	401835	84.498	ug/l	89
49) 1,4-Dioxane	7.74	88	1686	14.432	ug/l #	91
53) t-1,3-Dichloropropene	9.04	75	406	1.472	ug/l	91
56) Ethyl methacrylate	9.17	69	169	0.546	ug/l #	25
64) Tetrachloroethene	9.33	164	2491	0.576	ug/l #	84
76) 1,2,3-Trichloropropane	11.13	75	117170	22.031	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	117170	55.987	ug/l #	11

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

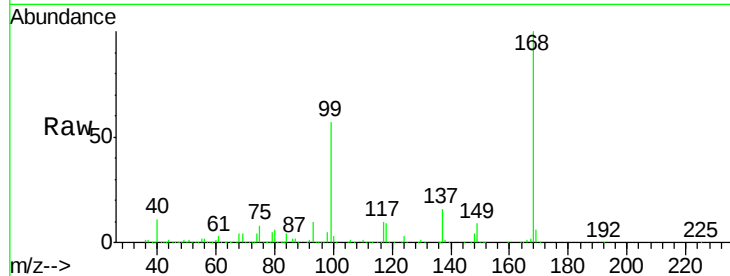


#1

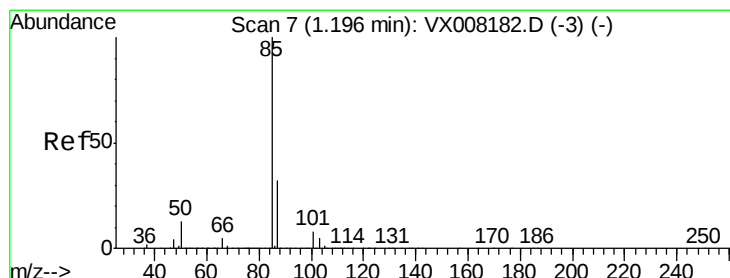
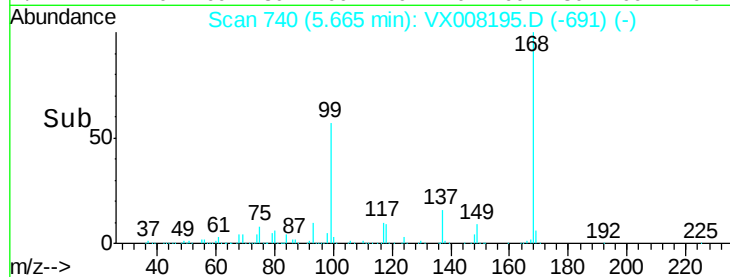
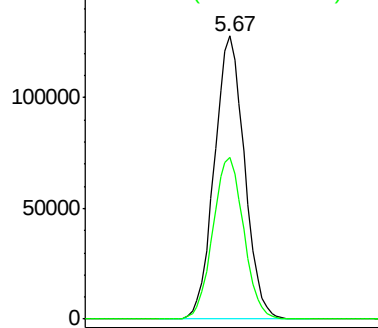
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VX008195.D
 Acq: 19 Mar 2019 17:15

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:168 Resp: 350863
 Ion Ratio Lower Upper
 168 100
 99 57.0 37.6 56.4#



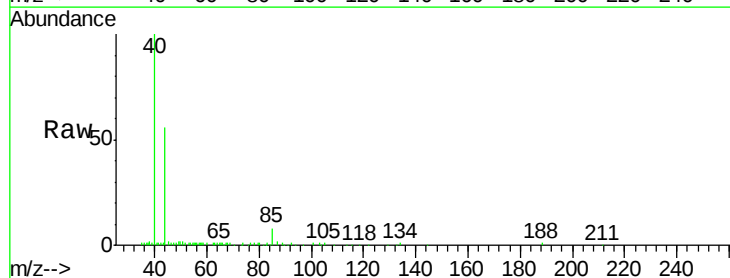
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



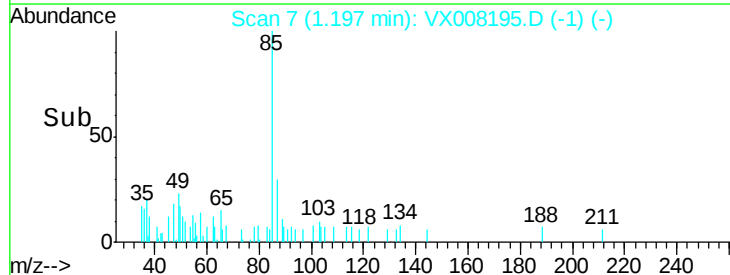
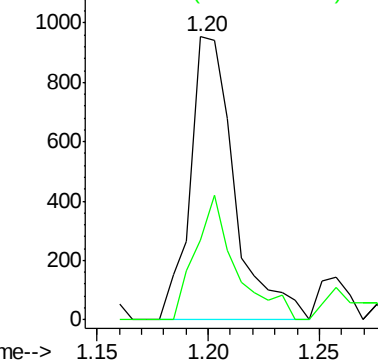
#2

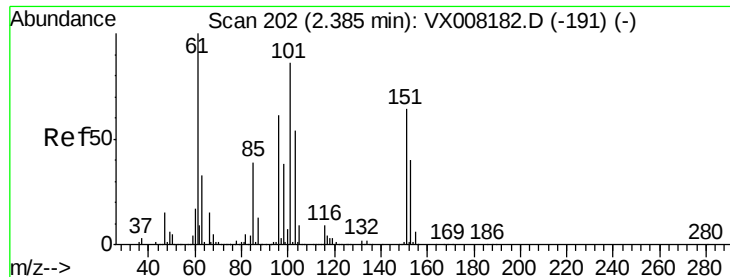
Dichlorodifluoromethane
 Concen: 0.310 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX008195.D
 Acq: 19 Mar 2019 17:15

Tgt Ion: 85 Resp: 1319
 Ion Ratio Lower Upper
 85 100
 87 28.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0
 Ion 86.90 (86.60 to 87.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.999 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

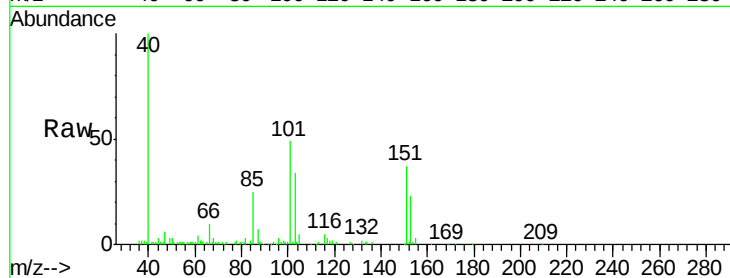
Tot Ion:101 Resp: 13524

Ion Ratio Lower Upper

101 100

85 45.4 33.8 50.6

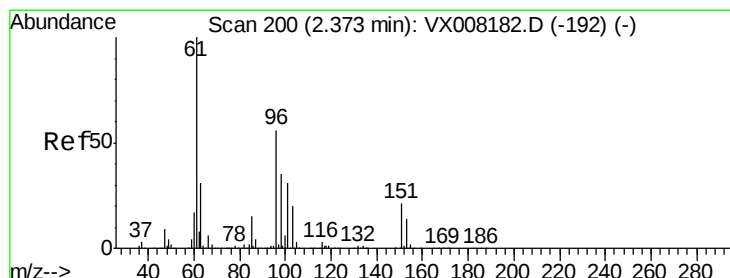
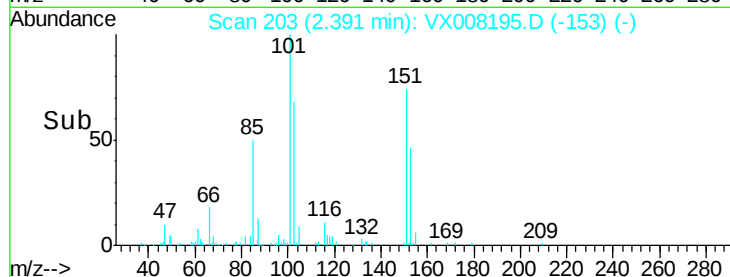
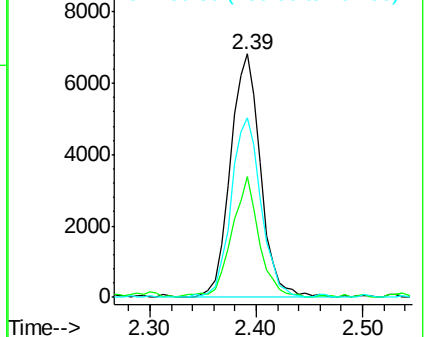
151 73.6 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 0.283 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

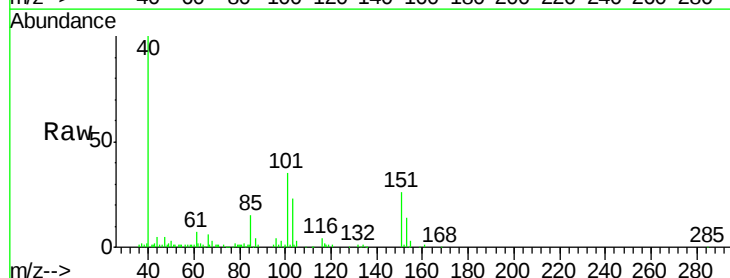
Tgt Ion: 96 Resp: 1203

Ion Ratio Lower Upper

96 100

61 147.8 129.8 194.6

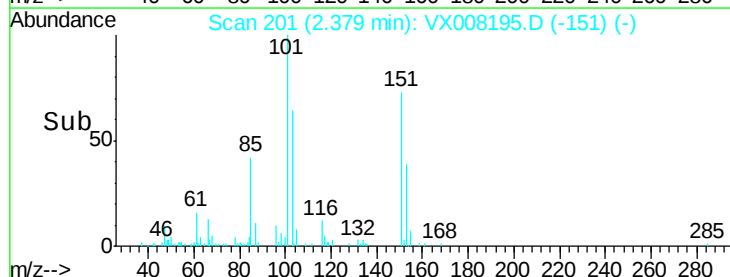
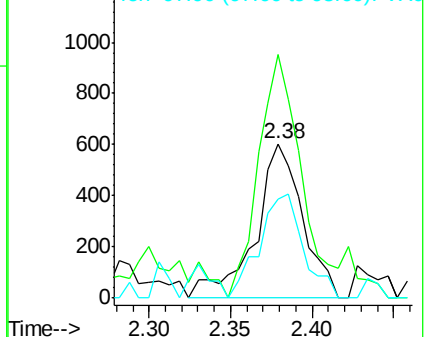
98 64.1 51.0 76.6

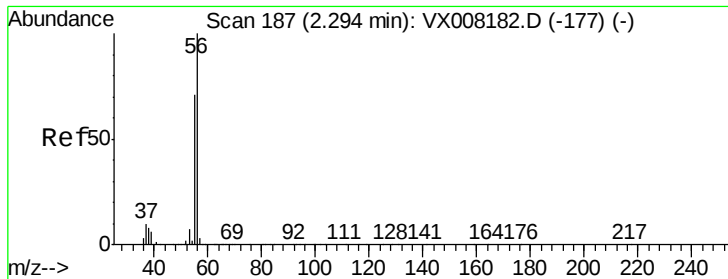


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :

MSVOA_X

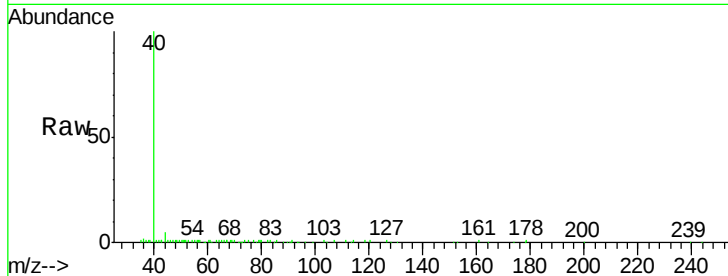
ClientSampled :

Tot Ion: 56 Resp: 101

Ion Ratio Lower Upper

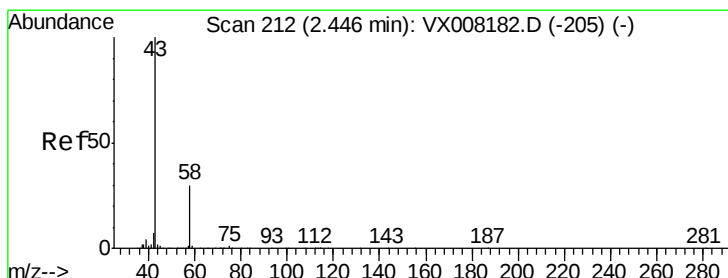
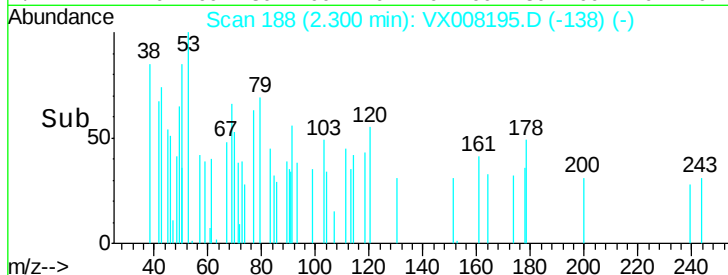
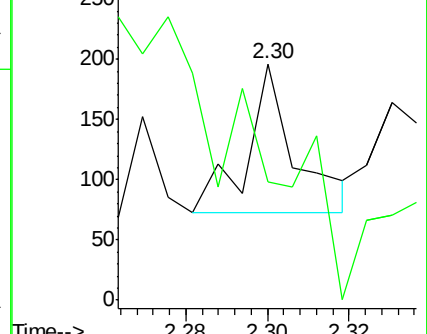
56 100

55 0.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.223 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008195.D

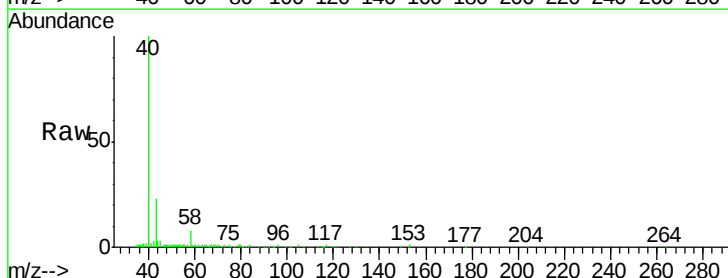
Acq: 19 Mar 2019 17:15

Tgt Ion: 43 Resp: 6661

Ion Ratio Lower Upper

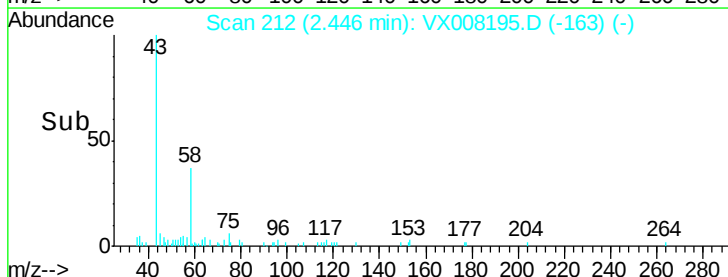
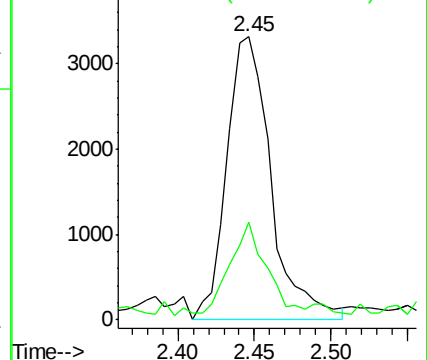
43 100

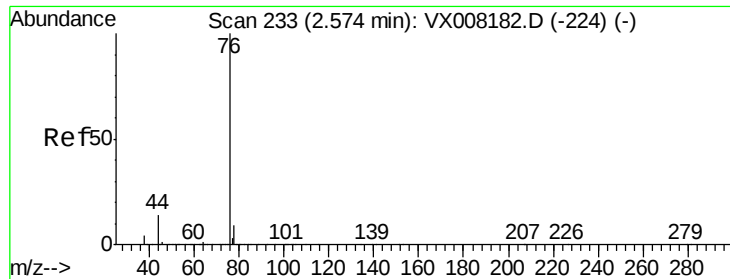
58 32.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.785 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :

MSVOA_X

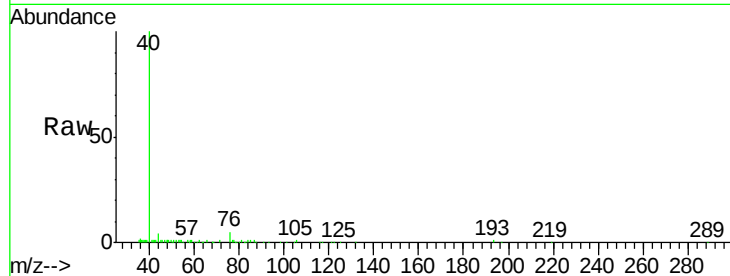
ClientSampleId :

Tot Ion: 76 Resp: 1549

Ion Ratio Lower Upper

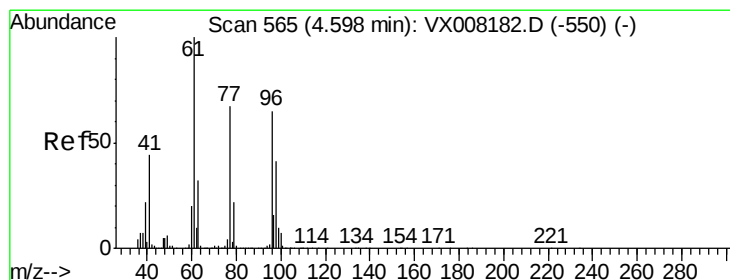
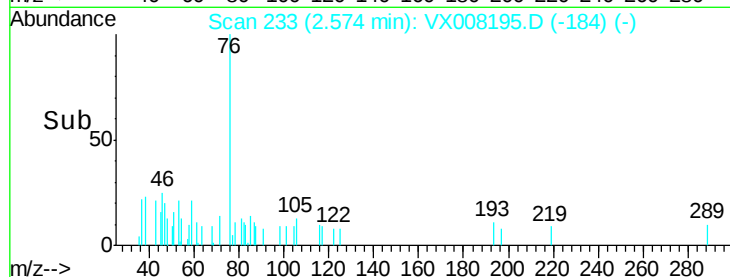
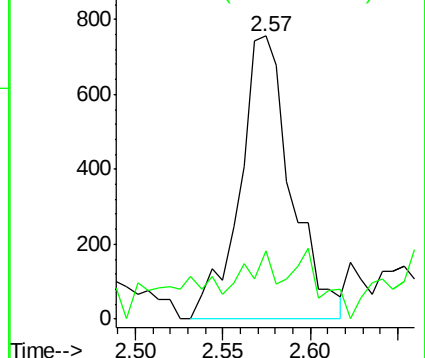
76 100

78 13.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.879 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

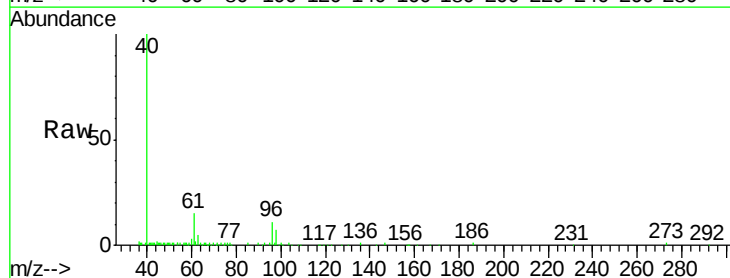
Tgt Ion: 96 Resp: 4609

Ion Ratio Lower Upper

96 100

61 133.1 0.0 288.0

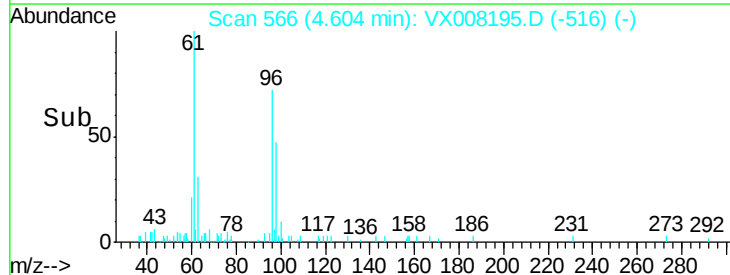
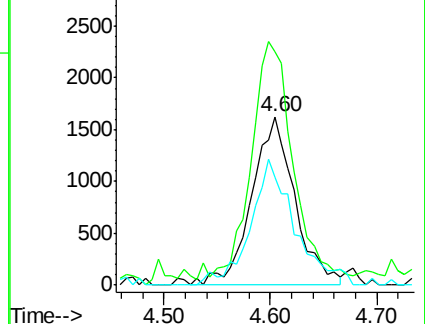
98 76.6 0.0 129.0

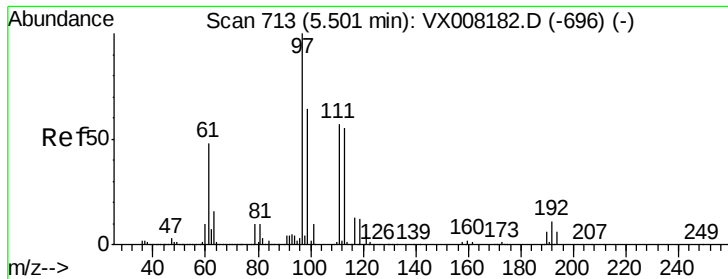


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#32

1,1,1-Trichloroethane

Concen: 0.207 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

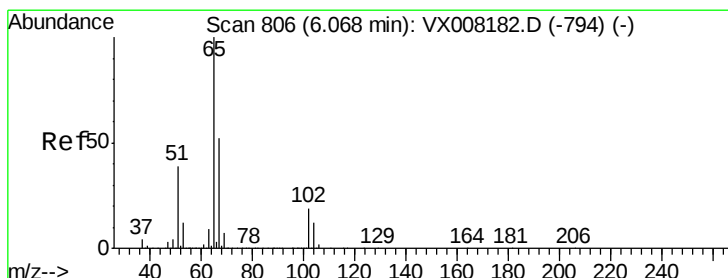
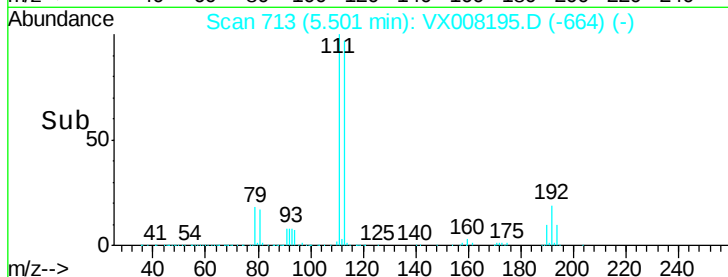
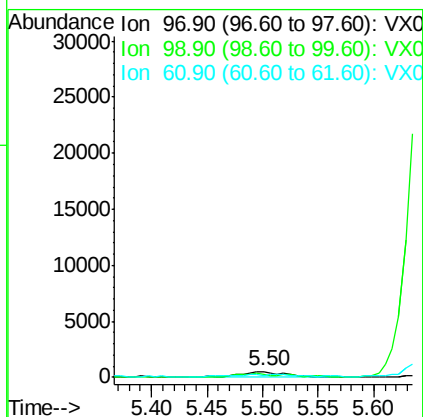
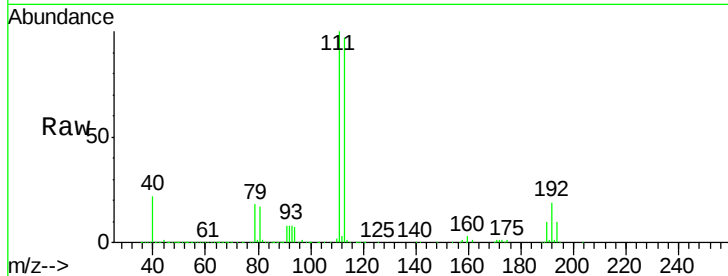
Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 1505

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.2#
61	41.6	34.9	52.3



#33

1,2-Dichloroethane-d4

Concen: 45.444 ug/l

RT: 6.07 min Scan# 806

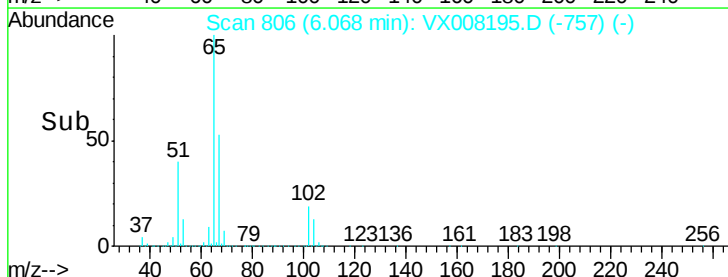
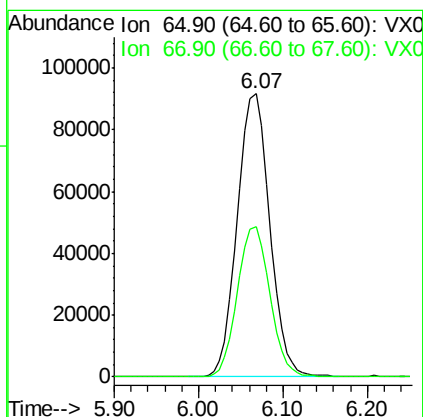
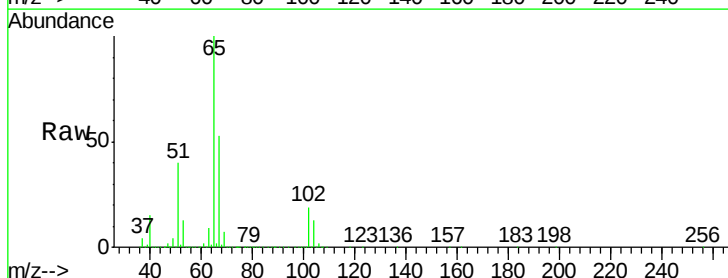
Delta R.T. 0.00 min

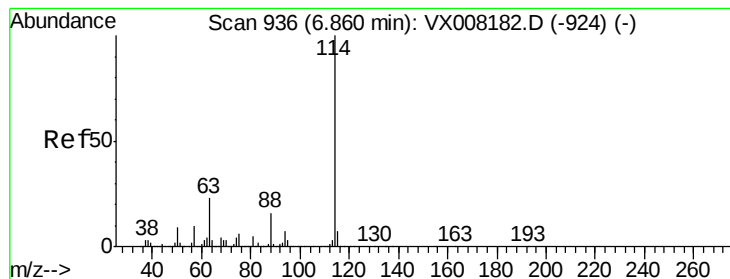
Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Tgt Ion: 65 Resp: 240139

Ion	Ratio	Lower	Upper
65	100		
67	53.1	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: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

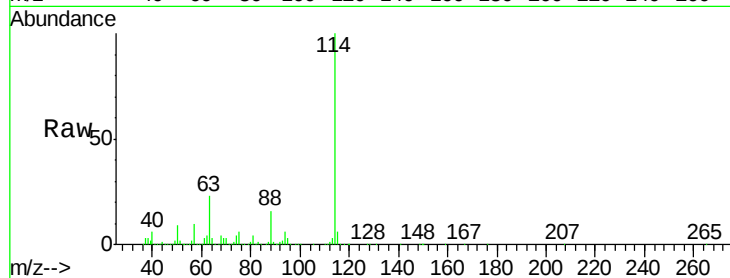
Tot Ion:114 Resp: 564405

Ion Ratio Lower Upper

114 100

63 23.2 0.0 39.8

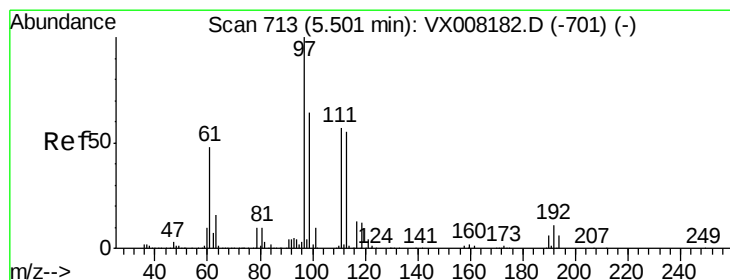
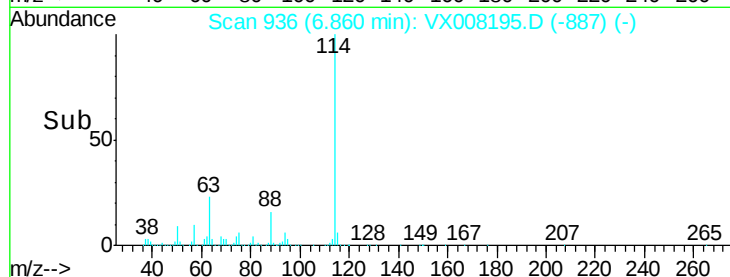
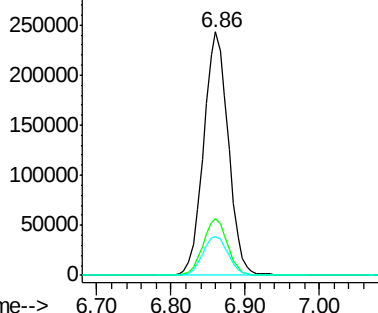
88 16.1 0.0 31.4



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: 46.715 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

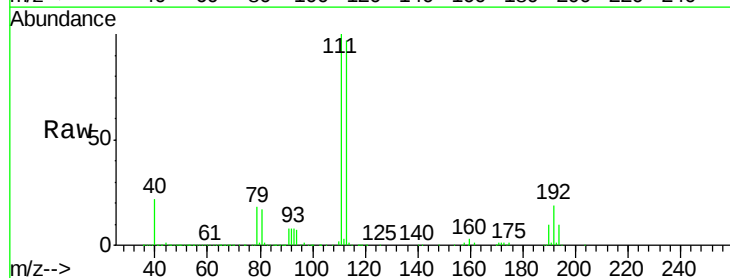
Tgt Ion:113 Resp: 176504

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

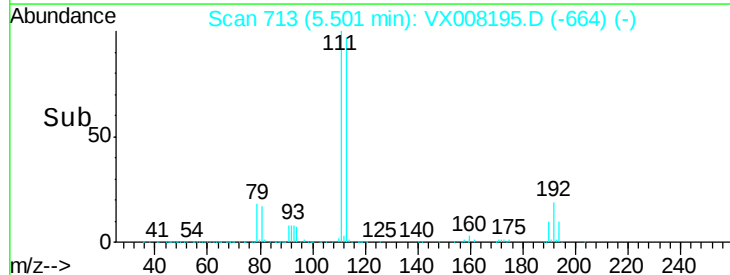
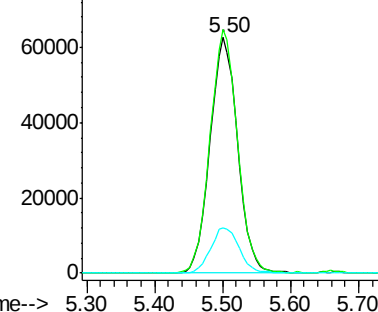
192 19.9 19.4 29.0

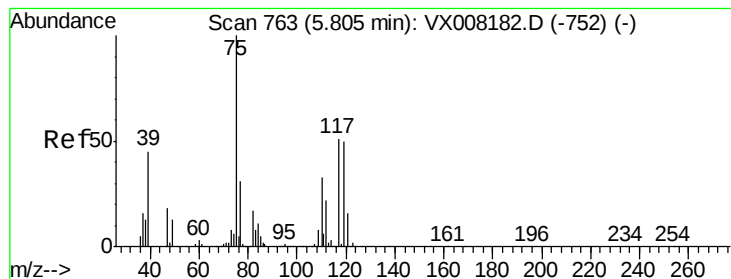


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.413 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

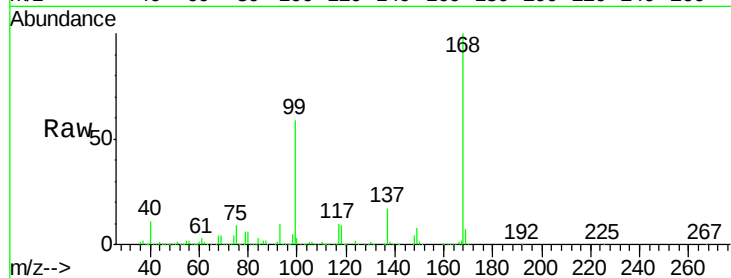
Tot Ion: 75 Resp: 28999

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.0#

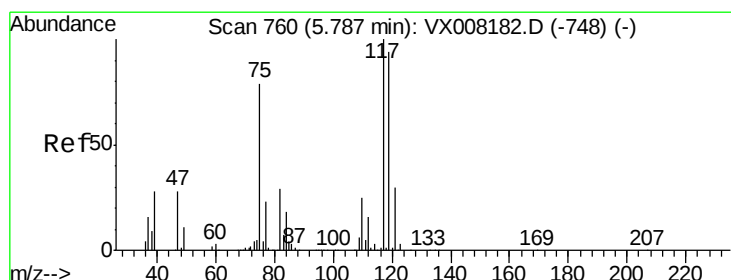
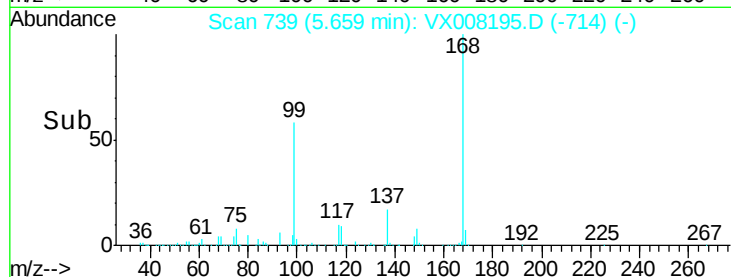
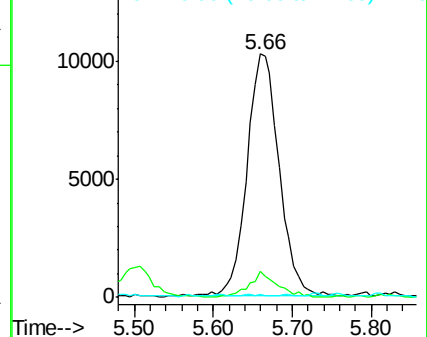
77 0.9 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX008182.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX008182.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX008182.D (-752) (-)



#38

Carbon Tetrachloride

Concen: 6.067 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

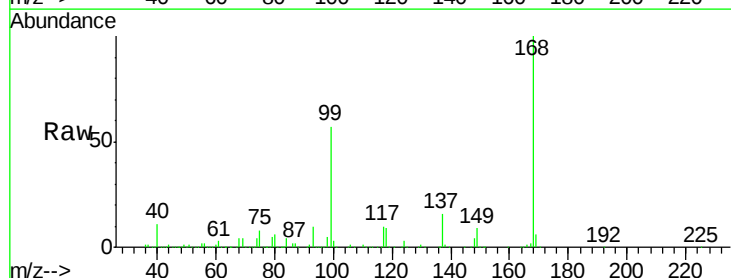
Tgt Ion: 117 Resp: 35521

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

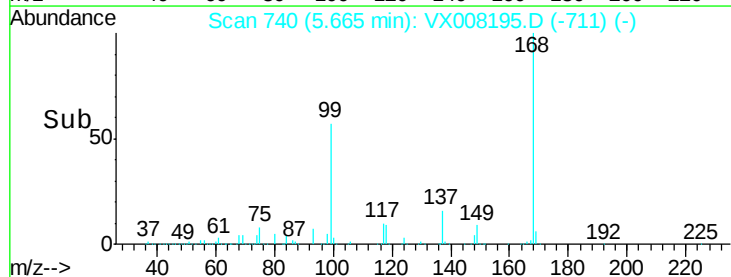
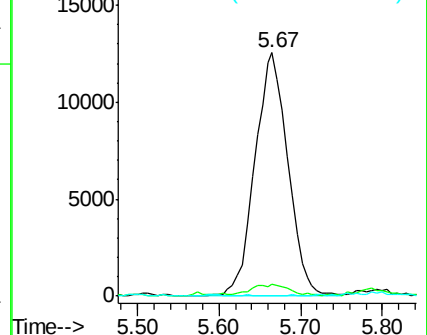
121 0.0 24.6 36.8#

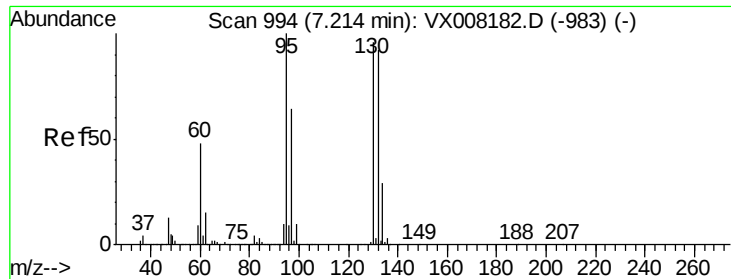


Abundance Ion 116.80 (116.50 to 117.50): VX008182.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX008182.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX008182.D (-748) (-)





#44

Trichloroethene

Concen: 84.498 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :

MSVOA_X

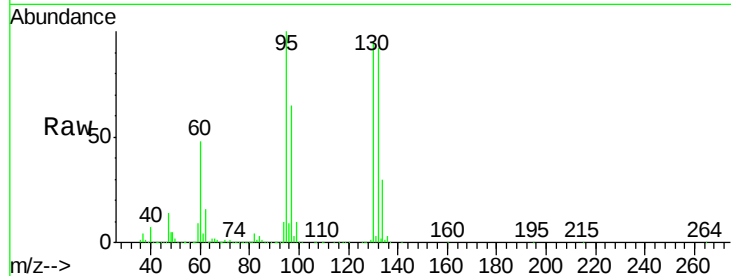
ClientSampleId :

Tot Ion:130 Resp: 401835

Ion Ratio Lower Upper

130 100

95 105.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

200000

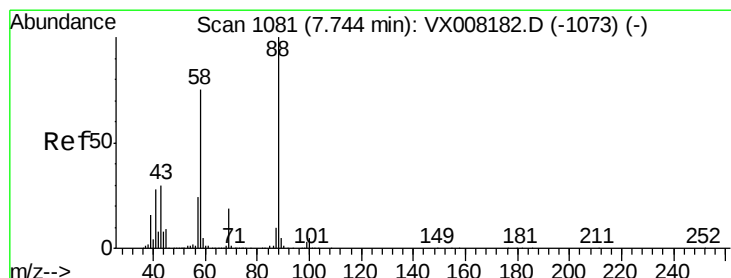
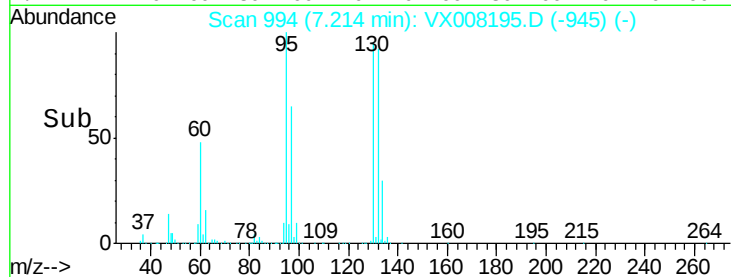
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 14.432 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

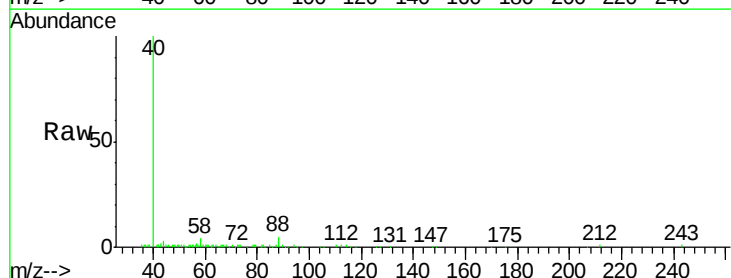
Tgt Ion: 88 Resp: 1686

Ion Ratio Lower Upper

88 100

43 45.6 25.1 37.7#

58 70.6 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

7.74

800

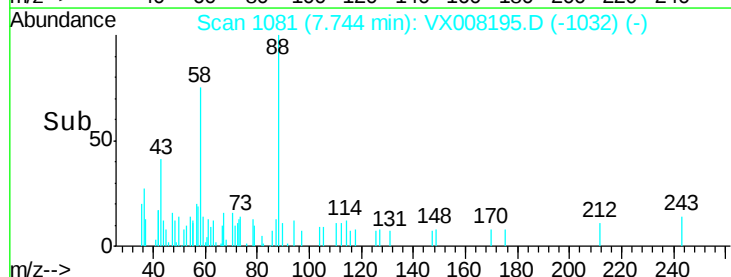
600

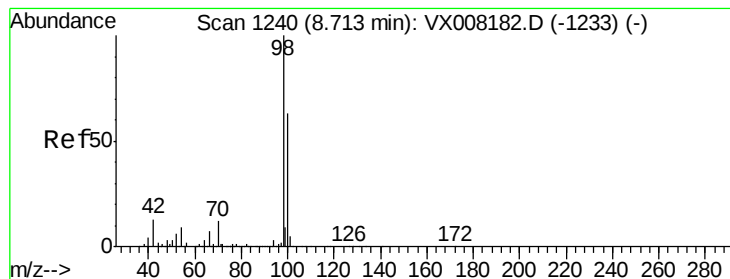
400

200

0

Time-->





#50

Toluene-d8

Concen: 48.934 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :

MSVOA_X

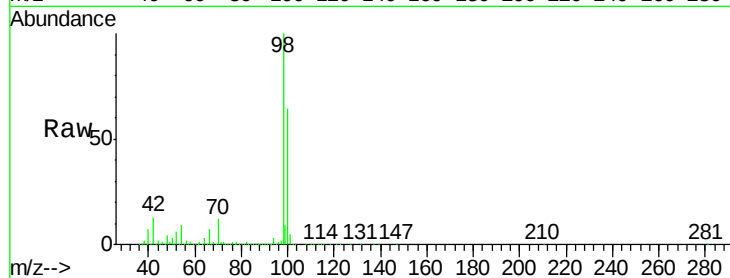
ClientSampleId :

Tot Ion: 98 Resp: 700975

Ion Ratio Lower Upper

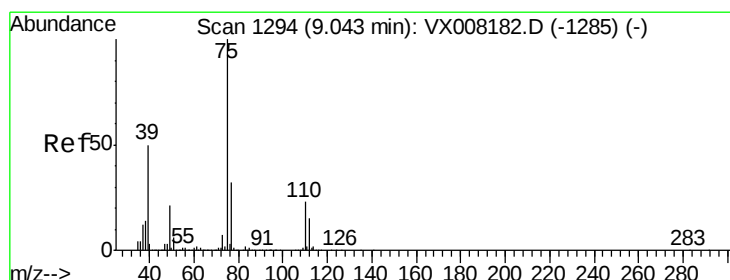
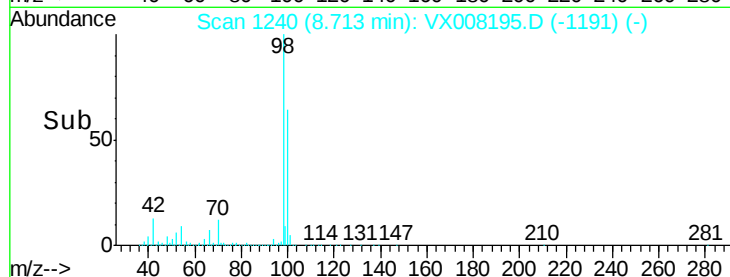
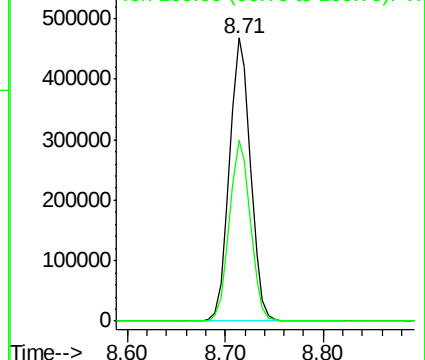
98 100

100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#53

t-1,3-Dichloropropene

Concen: 1.472 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008195.D

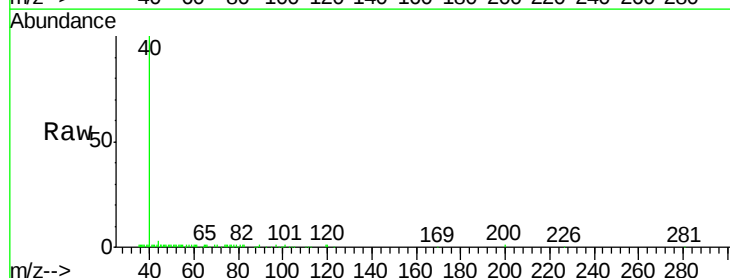
Acq: 19 Mar 2019 17:15

Tgt Ion: 75 Resp: 406

Ion Ratio Lower Upper

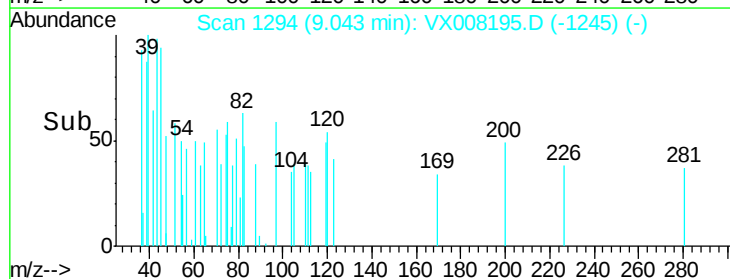
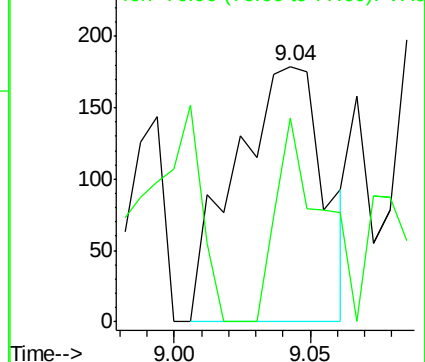
75 100

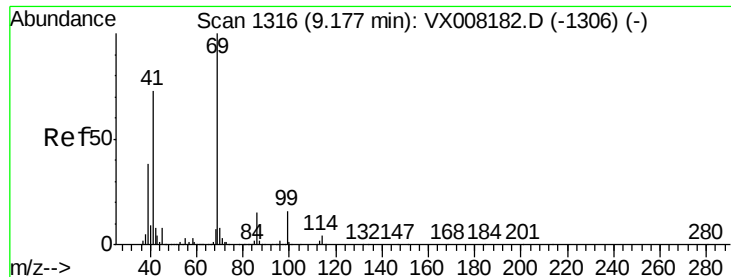
77 36.9 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#56

Ethyl methacrylate

Concen: 0.546 ug/l

RT: 9.17 min Scan# 1315

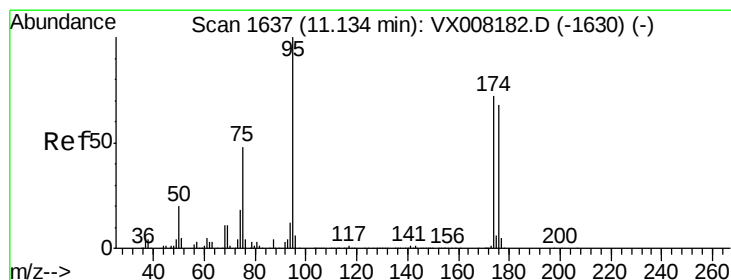
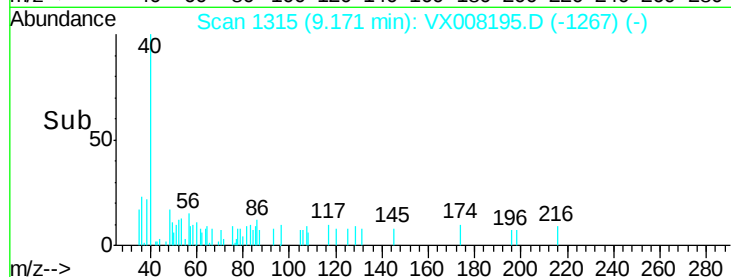
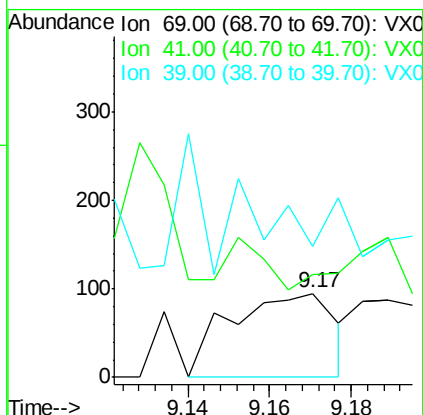
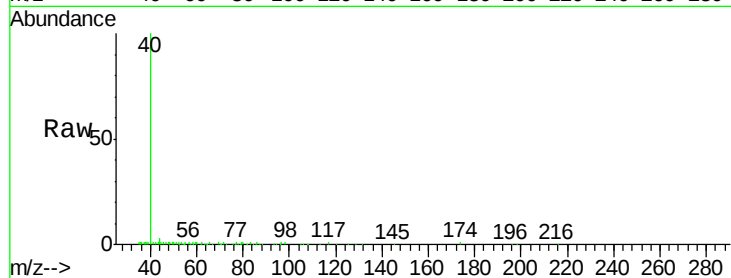
Delta R.T. -0.01 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69	Resp:	169
Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.2	81.4#
39	0.0	25.0	37.4#



#62

4-Bromofluorobenzene

Concen: 45.442 ug/l

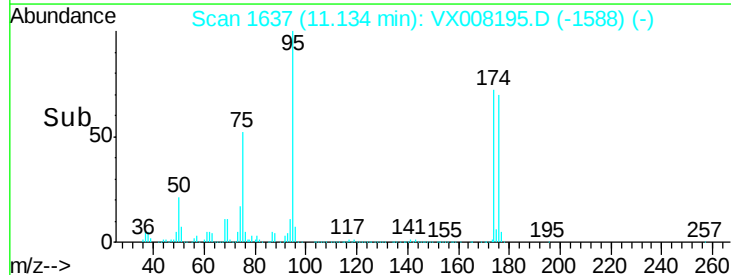
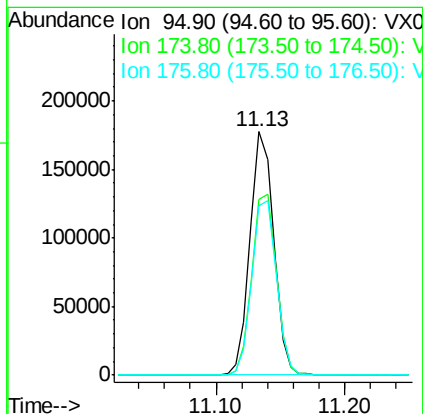
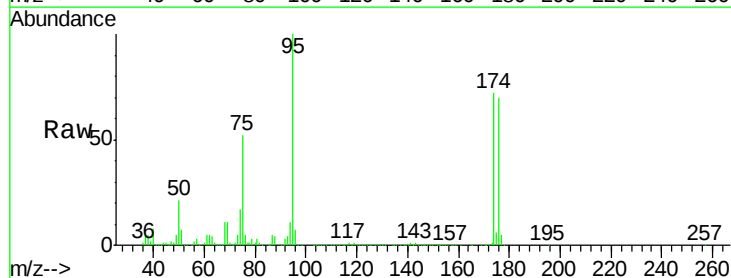
RT: 11.13 min Scan# 1637

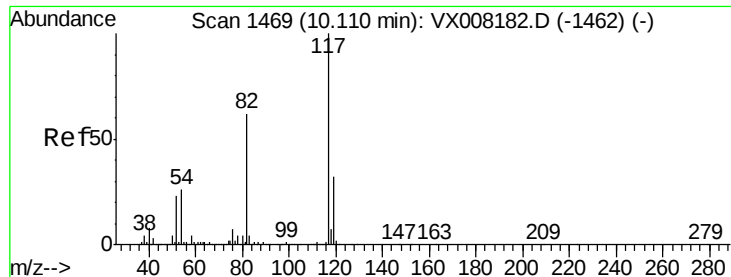
Delta R.T. 0.00 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Tgt Ion:	95	Resp:	224136
Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	182.8
176	74.8	0.0	178.0

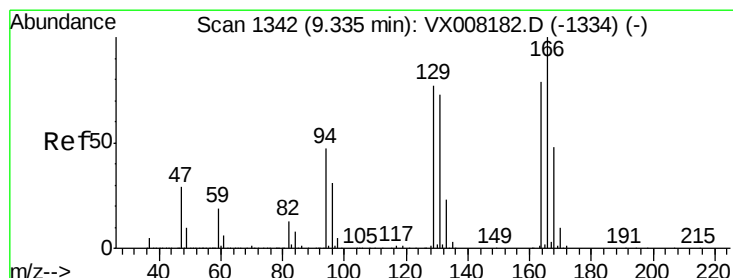
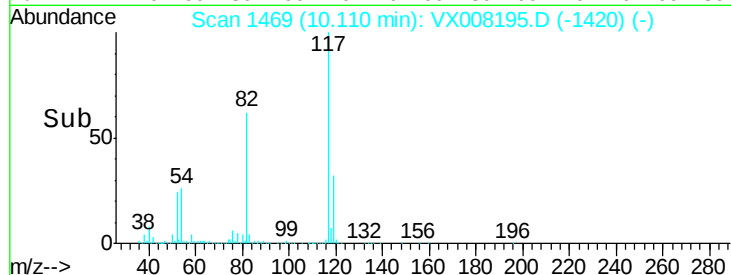
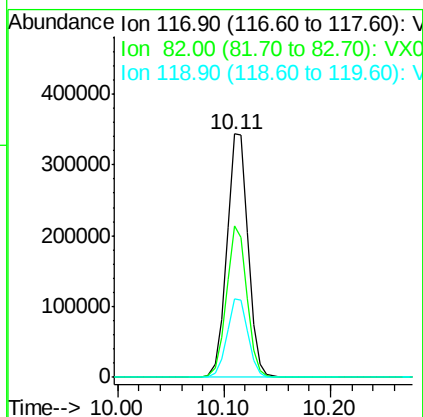
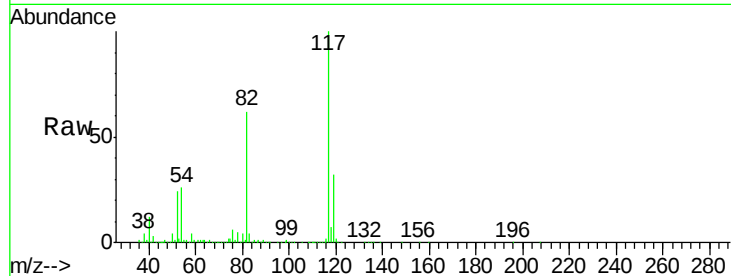




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008195.D
Acq: 19 Mar 2019 17:15

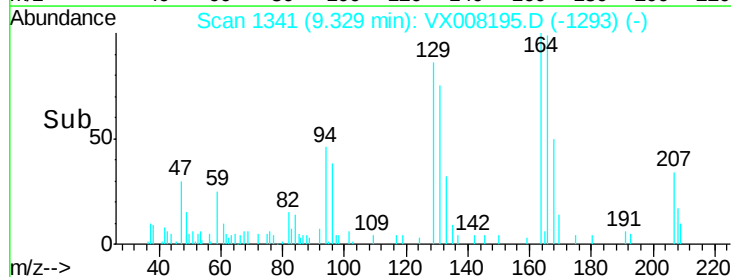
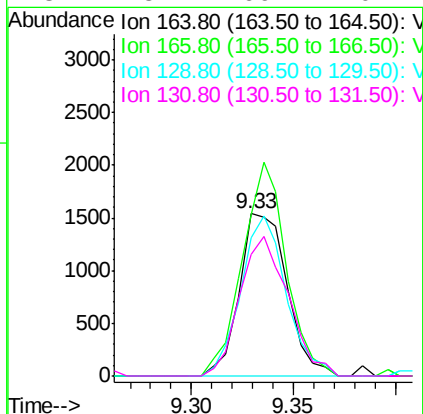
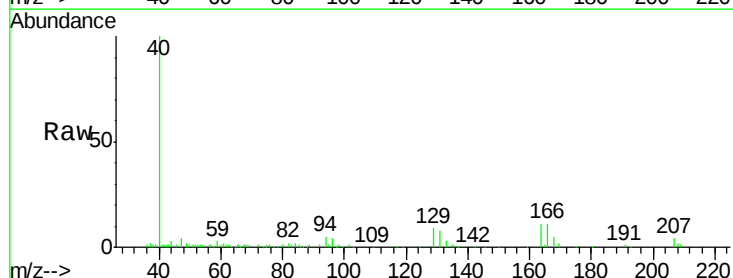
Instrument :
MSVOA_X
ClientSampleId :

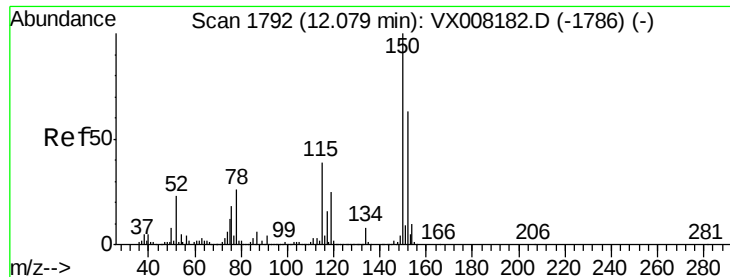
Tot Ion:117 Resp: 479630
Ion Ratio Lower Upper
117 100
82 62.2 44.3 66.5
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 0.576 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX008195.D
Acq: 19 Mar 2019 17:15

Tgt Ion:164 Resp: 2491
Ion Ratio Lower Upper
164 100
166 99.4 103.4 155.0#
129 85.5 72.2 108.4
131 75.1 69.4 104.2



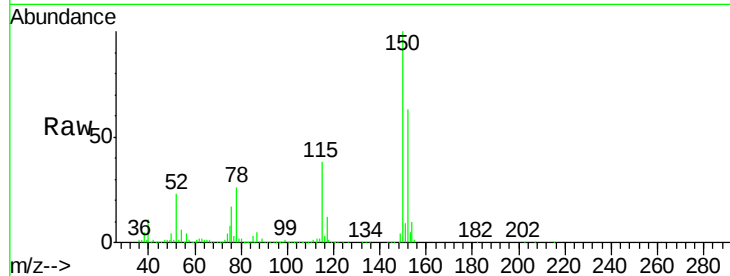


#72

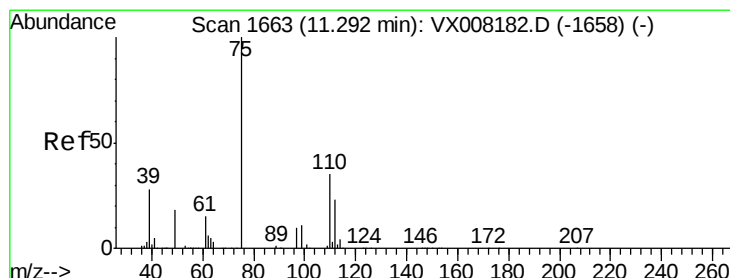
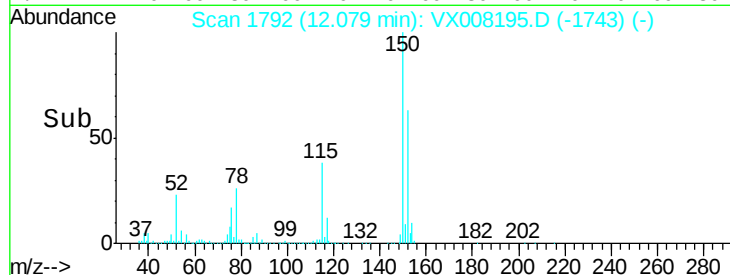
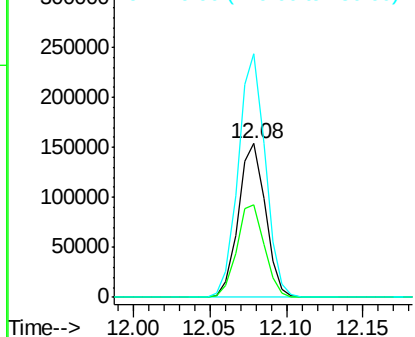
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008195.D
Acq: 19 Mar 2019 17:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 189089
Ion Ratio Lower Upper
152 100
115 61.4 38.6 115.7
150 158.0 0.0 348.4



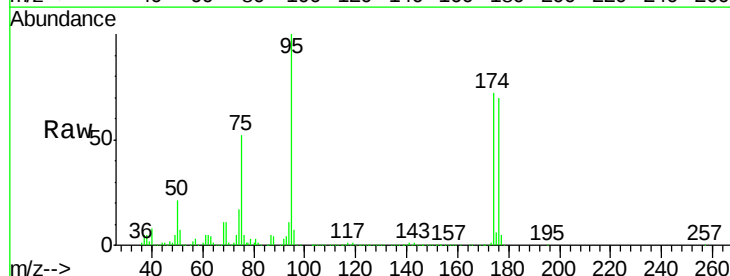
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



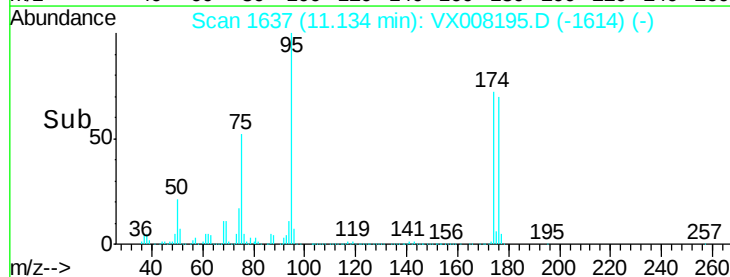
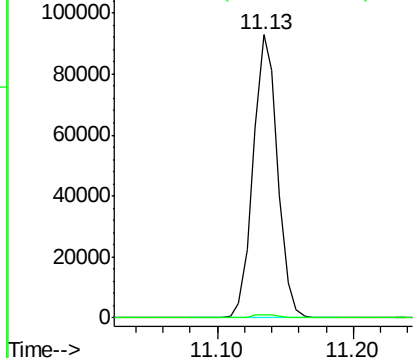
#76

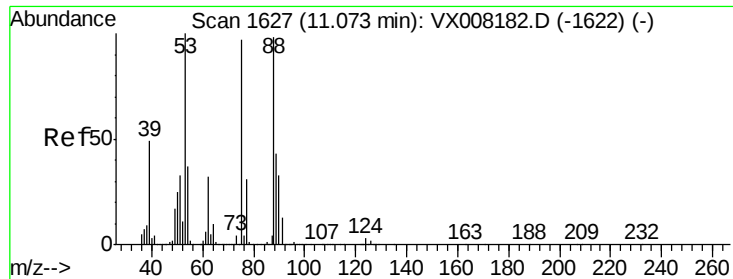
1,2,3-Trichloropropane
Concen: 22.031 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008195.D
Acq: 19 Mar 2019 17:15

Tgt Ion: 75 Resp: 117170
Ion Ratio Lower Upper
75 100
77 1.6 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: 55.987 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008195.D

Acq: 19 Mar 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 117170

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

