

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010795.D
 Acq On : 11 Jul 2019 10:33
 Operator : JC/SP
 Sample : VX0711WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBL01

Quant Time: Jul 12 06:50:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	211671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	333148	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	294432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129278	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	108547	54.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.38%	
35) Dibromofluoromethane	5.49	113	104521	51.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.56%	
50) Toluene-d8	8.71	98	385755	49.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.13	95	123173	43.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.50%	

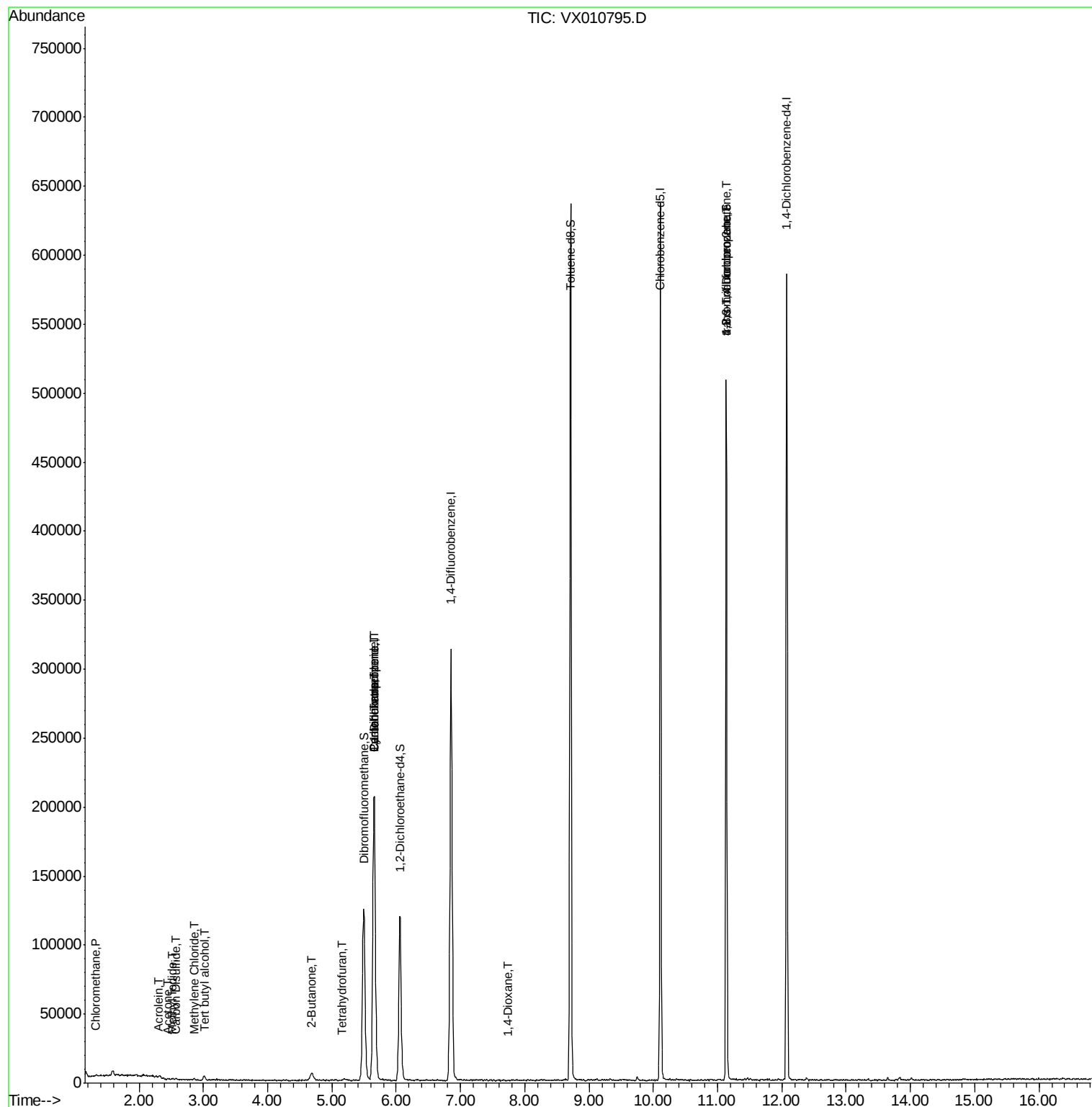
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	714	0.417	ug/l #	75
10) Methyl Iodide	2.51	142	702	0.273	ug/l #	91
11) Tert butyl alcohol	3.02	59	1980	3.813	ug/l	96
13) Acrolein	2.29	56	376	1.091	ug/l #	71
16) Acetone	2.45	43	379	0.381	ug/l	91
17) Carbon Disulfide	2.57	76	1232	0.250	ug/l #	94
20) Methylene Chloride	2.86	84	448	0.219	ug/l	88
25) 2-Butanone	4.68	43	902	0.618	ug/l #	84
29) Tetrahydrofuran	5.15	42	496	0.549	ug/l #	43
31) Cyclohexane	5.66	56	4042	1.410	ug/l #	2
36) 1,1-Dichloropropene	5.65	75	13489	5.095	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19334	6.744	ug/l #	15
49) 1,4-Dioxane	7.74	88	43	0.713	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	60526	25.693	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	60526	59.938	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010795.D

Acq: 11 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

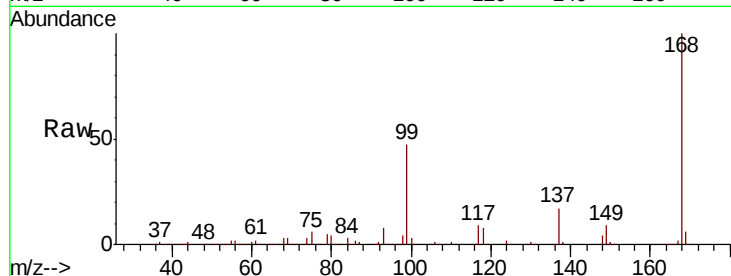
VX0711WBL01

Tot Ion:168 Resp: 211671

Ion Ratio Lower Upper

168 100

99 47.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

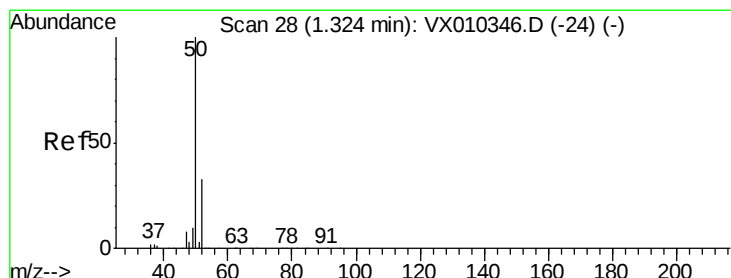
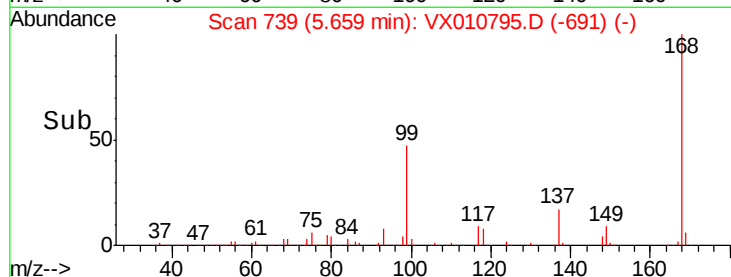
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.417 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010795.D

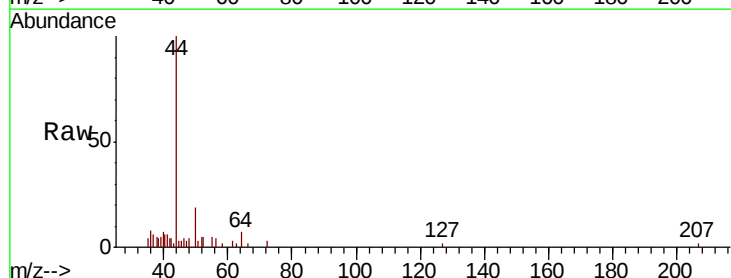
Acq: 11 Jul 2019 10:33

Tgt Ion: 50 Resp: 714

Ion Ratio Lower Upper

50 100

52 47.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

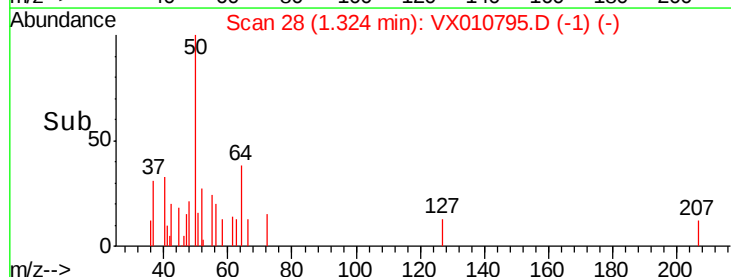
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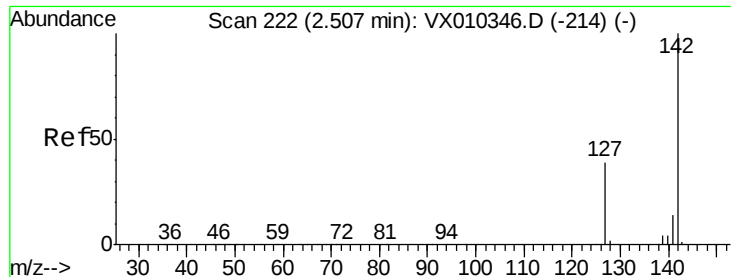
100

0

Time-->

1.30 1.35

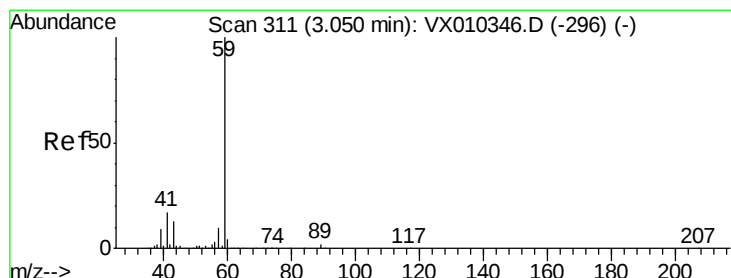
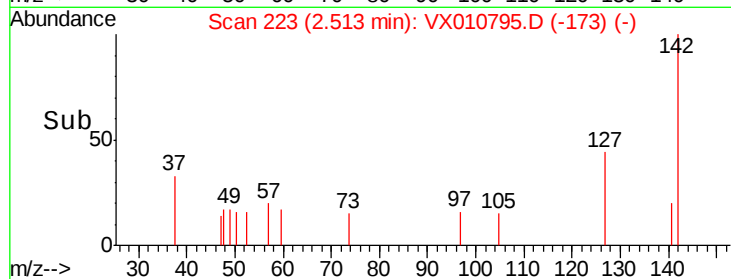
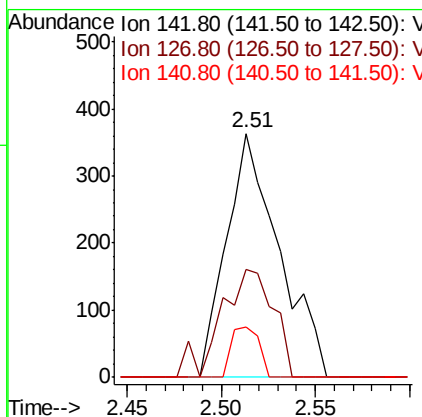
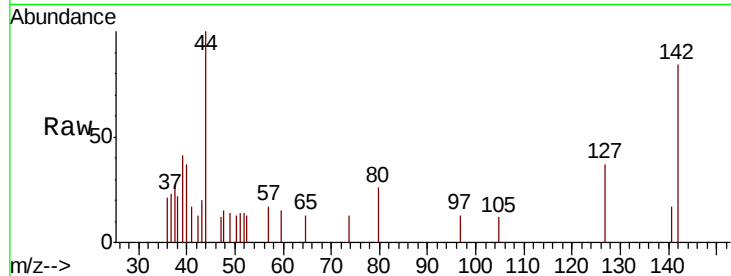




#10
Methvl Iodide
Concen: 0.273 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010795.D
Acq: 11 Jul 2019 10:33

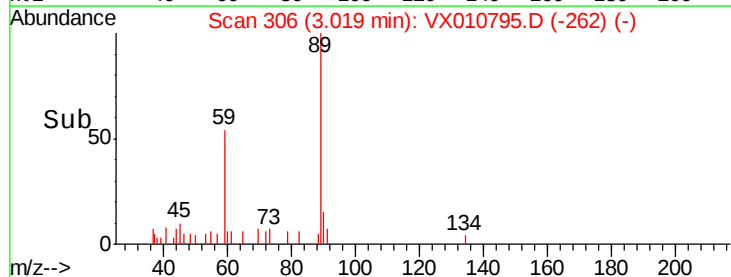
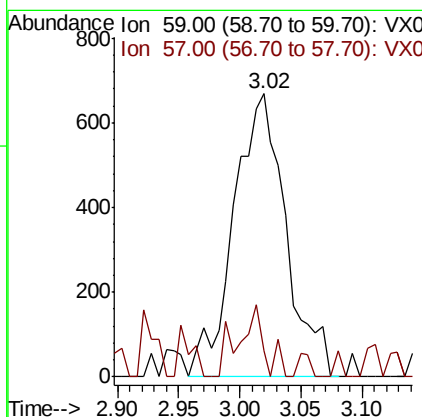
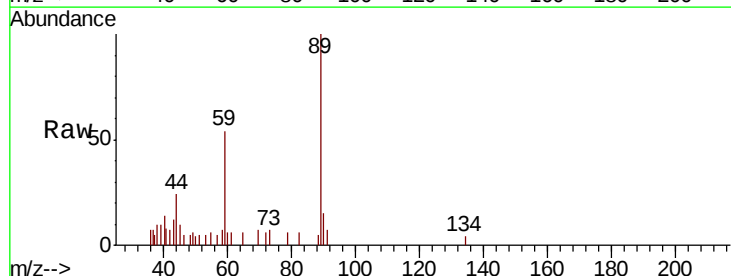
Instrument :
MSVOA_X
ClientSampleId :
VX0711WBL01

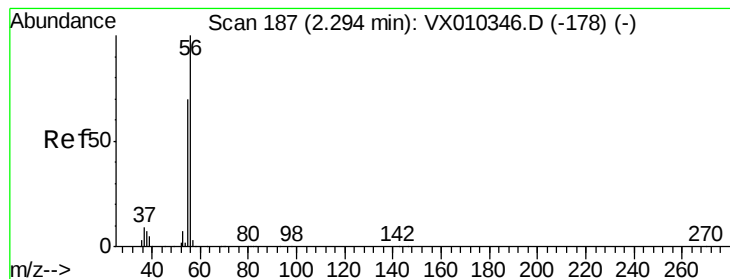
Tot Ion:142 Resp: 702
Ion Ratio Lower Upper
142 100
127 44.3 31.1 46.7
141 10.8 11.2 16.8#



#11
Tert butyl alcohol
Concen: 3.813 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010795.D
Acq: 11 Jul 2019 10:33

Tgt Ion: 59 Resp: 1980
Ion Ratio Lower Upper
59 100
57 11.2 7.7 11.5





#13

Acrolein

Concen: 1.091 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010795.D

Acq: 11 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

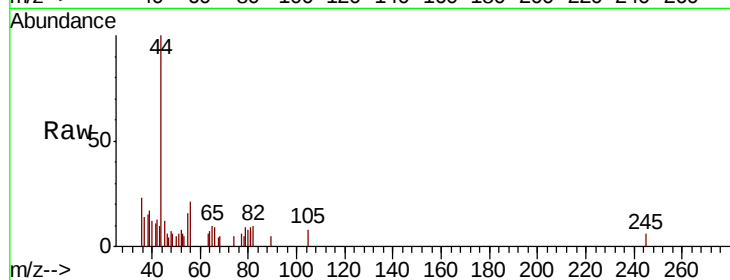
VX0711WBL01

Tot Ion: 56 Resp: 376

Ion Ratio Lower Upper

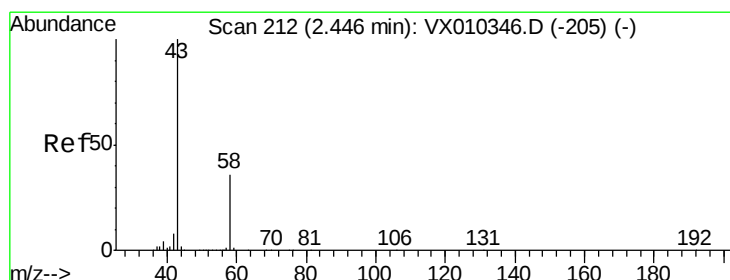
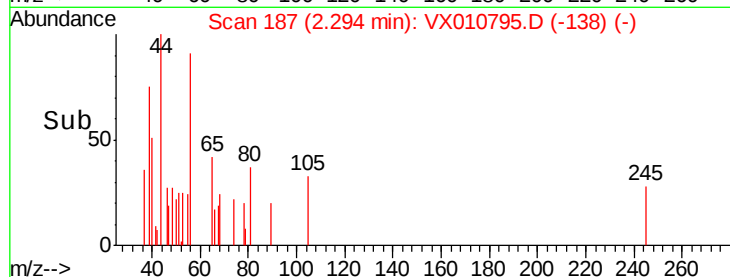
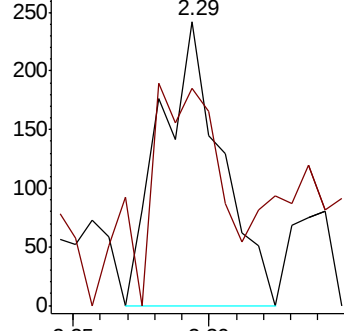
56 100

55 95.5 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.381 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010795.D

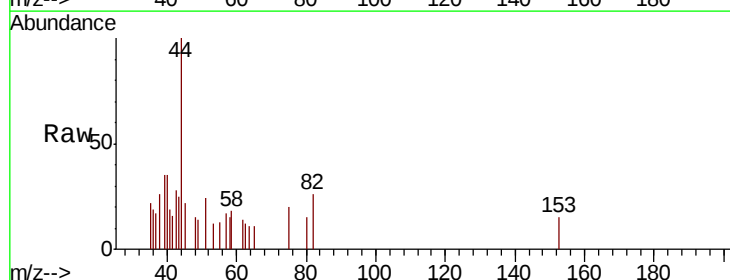
Acq: 11 Jul 2019 10:33

Tgt Ion: 43 Resp: 379

Ion Ratio Lower Upper

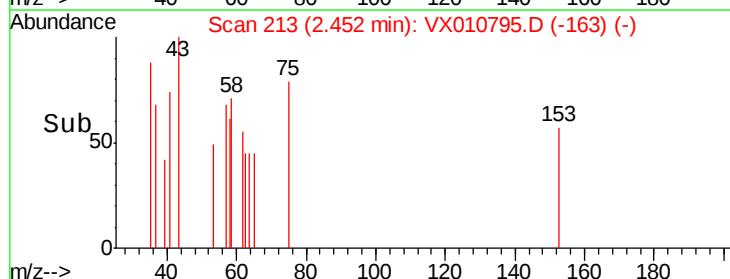
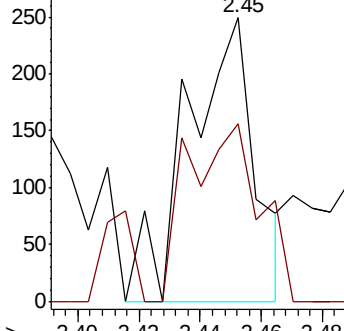
43 100

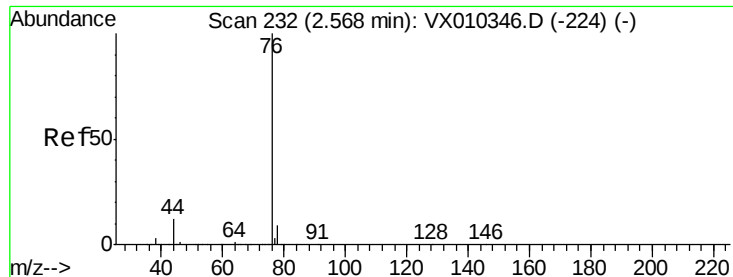
58 30.5 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

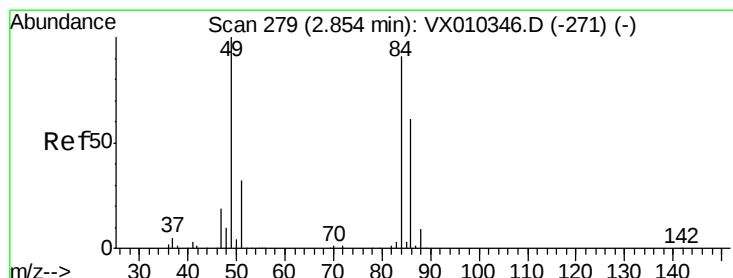
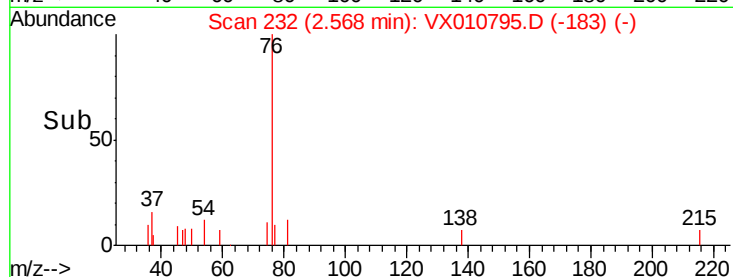
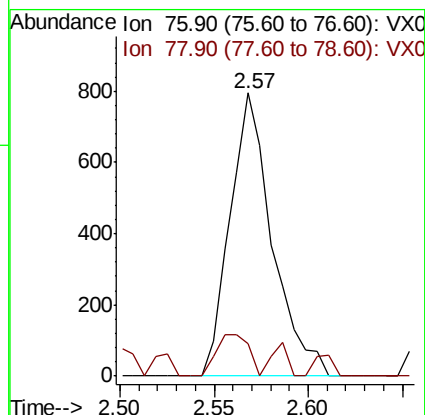
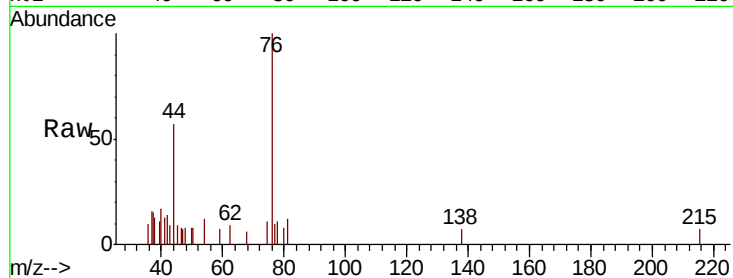




#17
Carbon Disulfide
Concen: 0.250 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010795.D
Acq: 11 Jul 2019 10:33

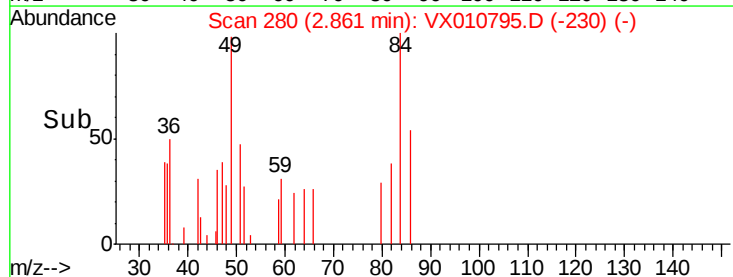
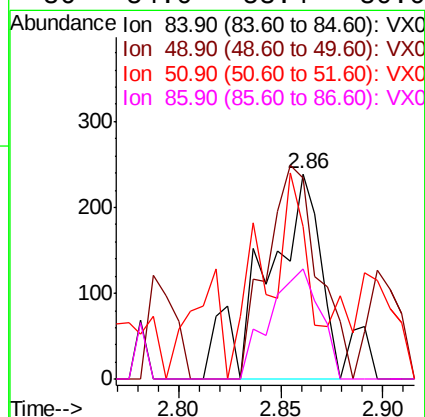
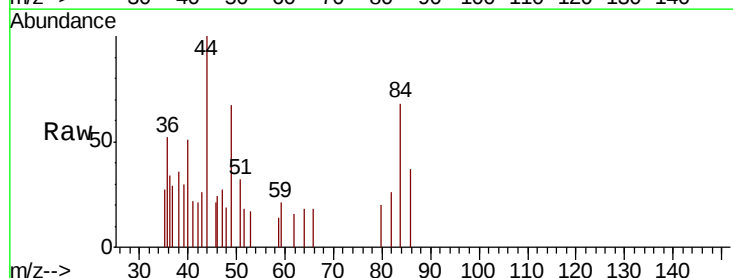
Instrument :
MSVOA_X
ClientSampleId :
VX0711WBL01

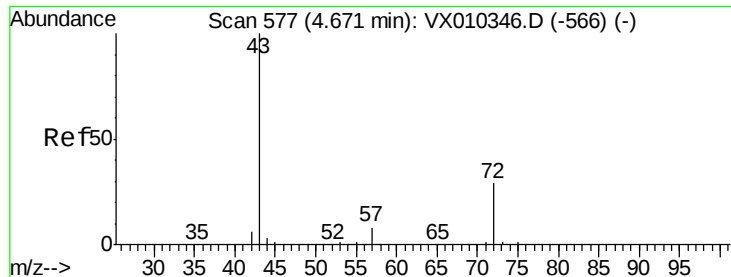
Tot Ion: 76 Resp: 1232
Ion Ratio Lower Upper
76 100
78 11.4 7.3 10.9#



#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010795.D
Acq: 11 Jul 2019 10:33

Tgt Ion: 84 Resp: 448
Ion Ratio Lower Upper
84 100
49 98.3 87.5 131.3
51 41.4 27.7 41.5
86 54.0 53.4 80.0





#25

2-Butanone

Concen: 0.618 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010795.D

Acq: 11 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampled :

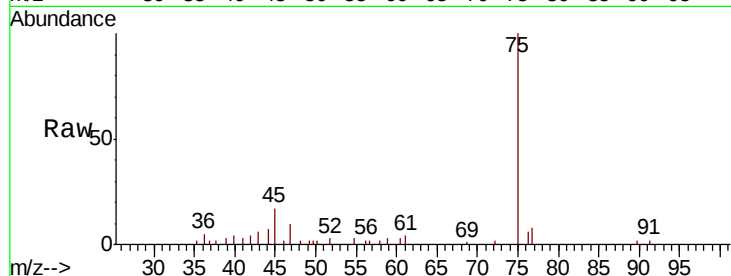
VX0711WBL01

Tot Ion: 43 Resp: 902

Ion Ratio Lower Upper

43 100

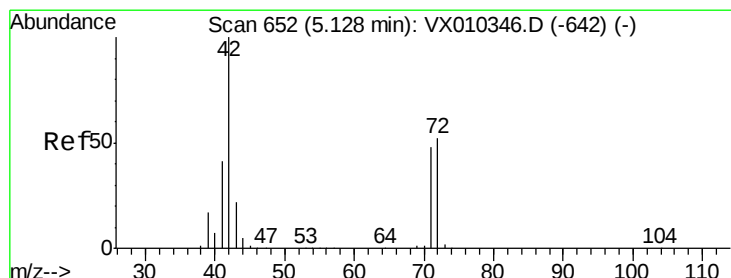
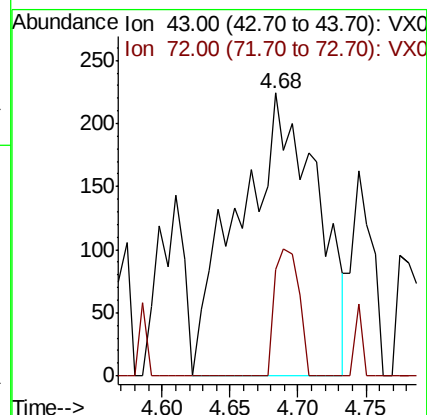
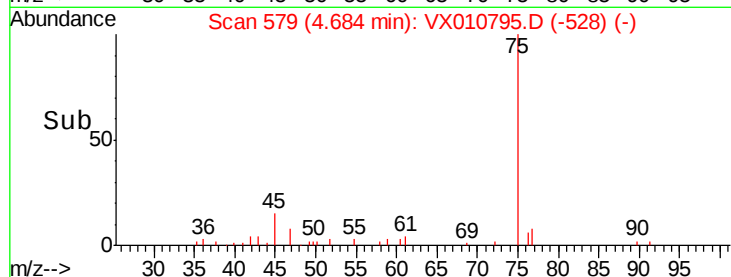
72 37.5 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Time-->



#29

Tetrahydrofuran

Concen: 0.549 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX010795.D

Acq: 11 Jul 2019 10:33

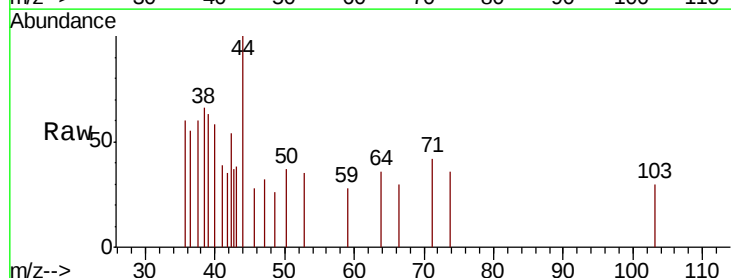
Tgt Ion: 42 Resp: 496

Ion Ratio Lower Upper

42 100

72 4.0 40.6 60.8#

71 16.7 37.8 56.8#

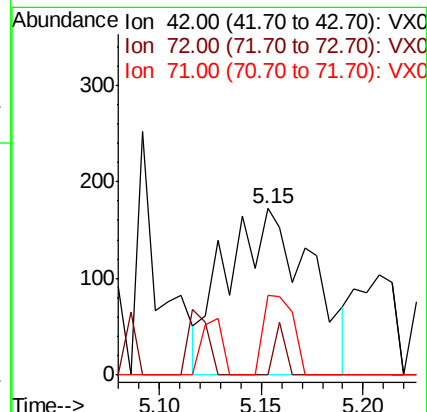
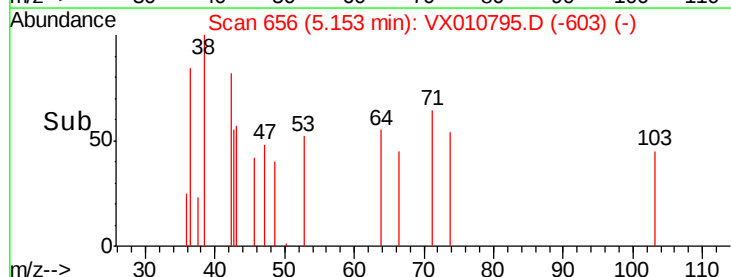


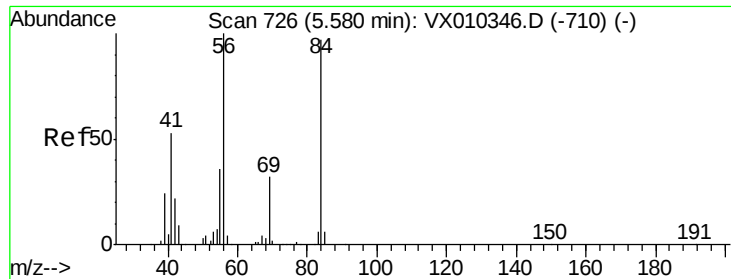
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->

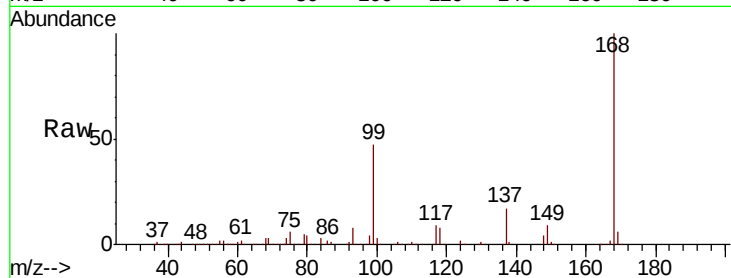




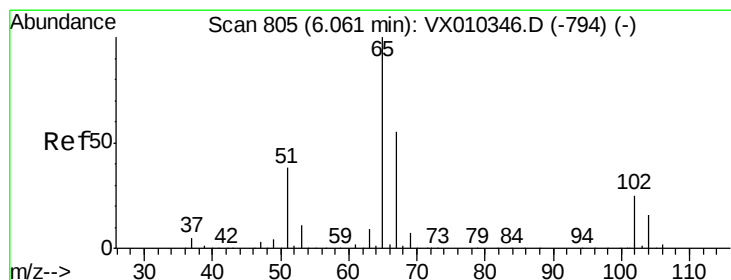
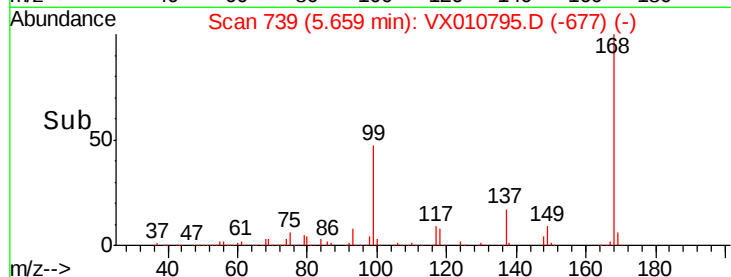
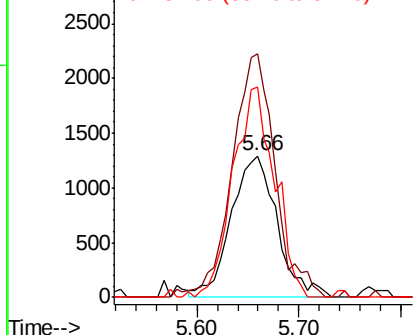
#31
Cyclohexane
Concen: 1.410 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010795.D
Acq: 11 Jul 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBL01

Tot Ion: 56 Resp: 4042
Ion Ratio Lower Upper
56 100
69 172.1 25.9 38.9#
84 144.3 78.0 117.0#

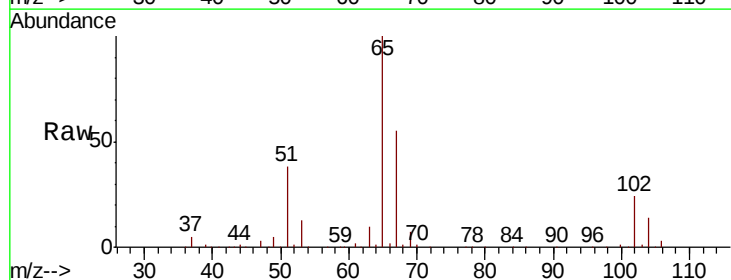


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

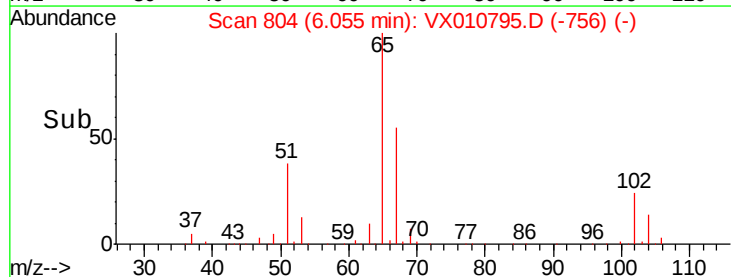
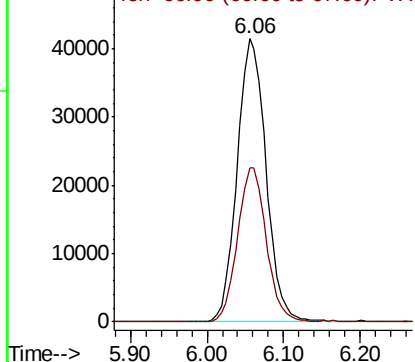


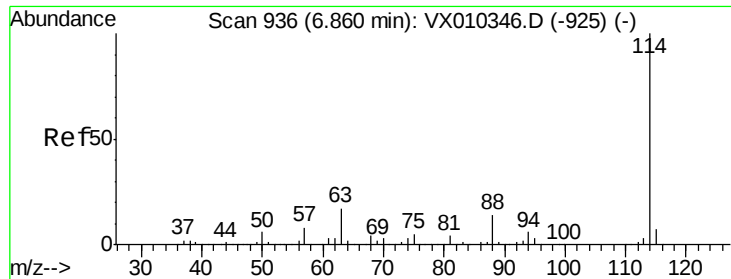
#33
1,2-Dichloroethane-d4
Concen: 54.694 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX010795.D
Acq: 11 Jul 2019 10:33

Tgt Ion: 65 Resp: 108547
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

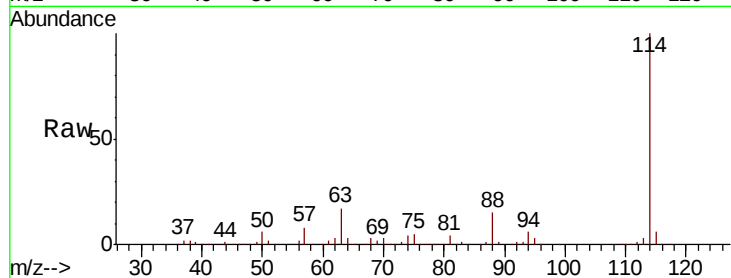




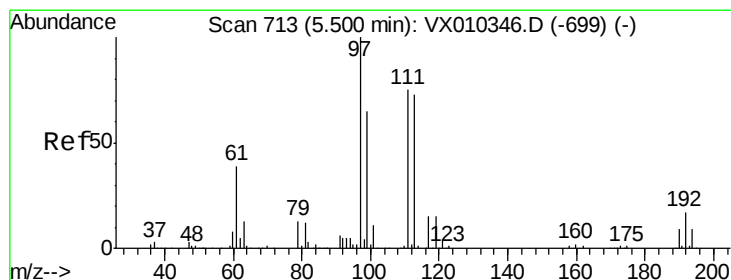
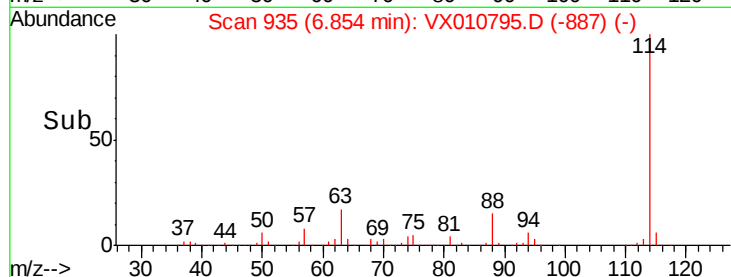
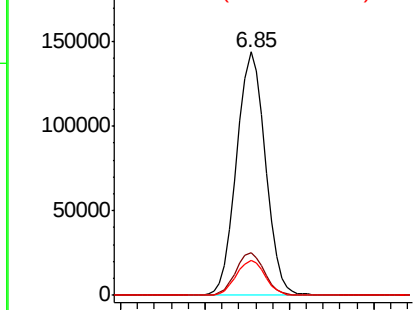
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010795.D
 Acq: 11 Jul 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBL01

Tot Ion:114 Resp: 333148
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.8
 88 14.6 0.0 27.6

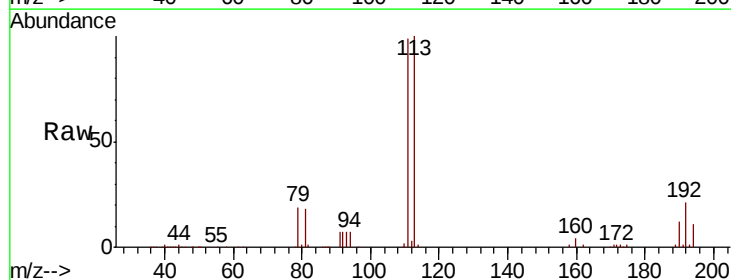


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

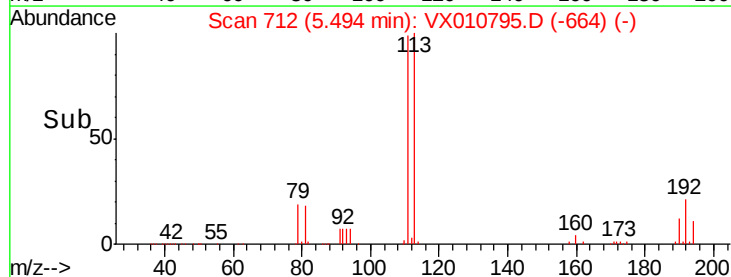
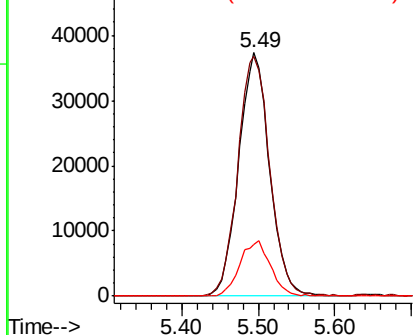


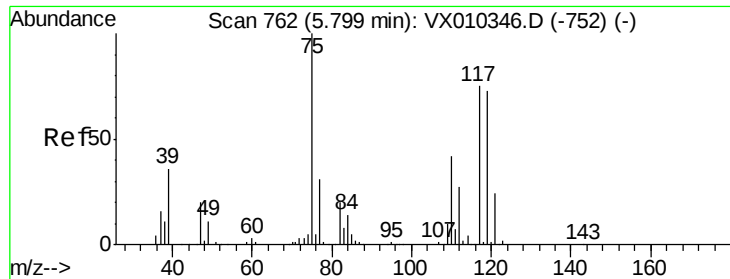
#35
 Dibromofluoromethane
 Concen: 51.278 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010795.D
 Acq: 11 Jul 2019 10:33

Tgt Ion:113 Resp: 104521
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.2 121.8
 192 22.6 18.6 27.8



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

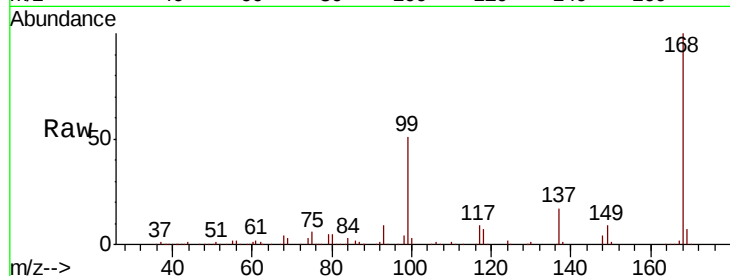




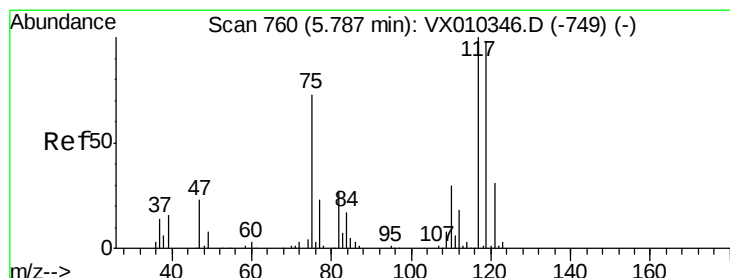
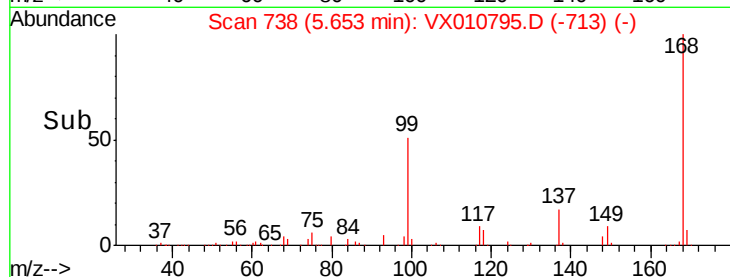
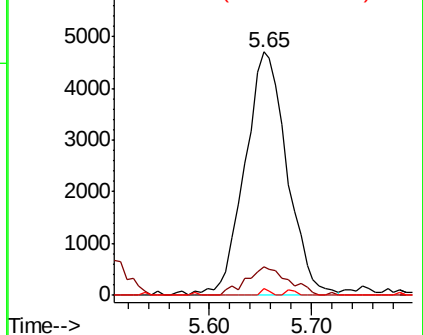
#36
 1,1-Dichloropropene
 Concen: 5.095 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010795.D
 Acq: 11 Jul 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	11.7	20.8	62.2#
77	0.6	25.4	38.0#

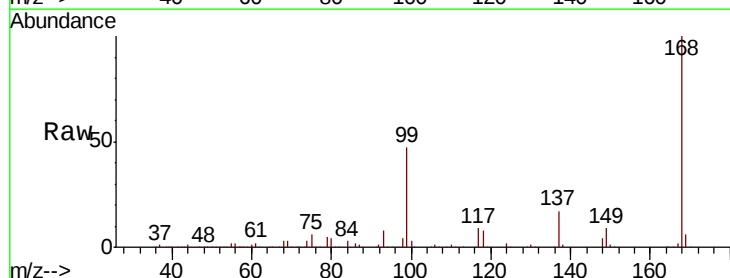


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

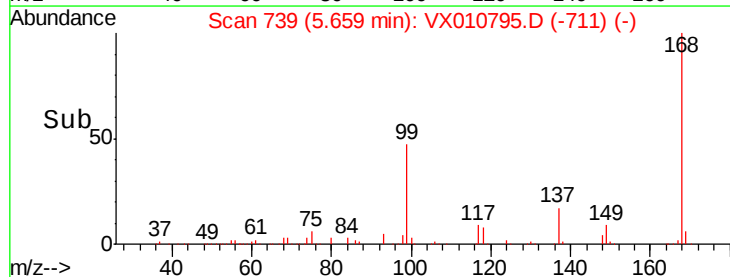
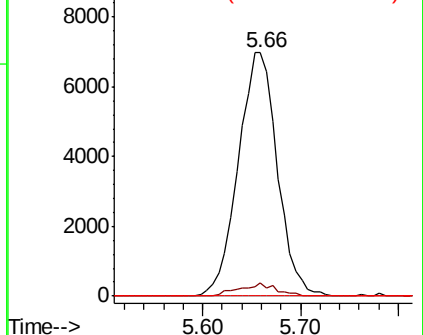


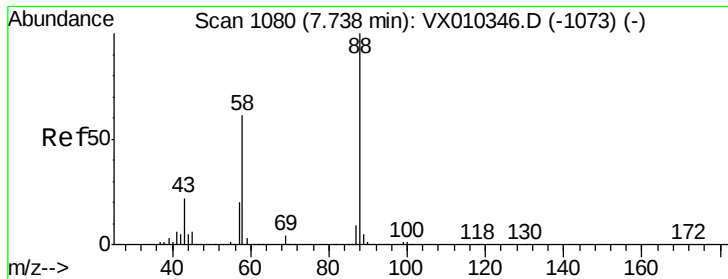
#38
 Carbon Tetrachloride
 Concen: 6.744 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010795.D
 Acq: 11 Jul 2019 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.2	117.4#
121	0.0	24.7	37.1#



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: 0.713 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010795.D

Acq: 11 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBL01

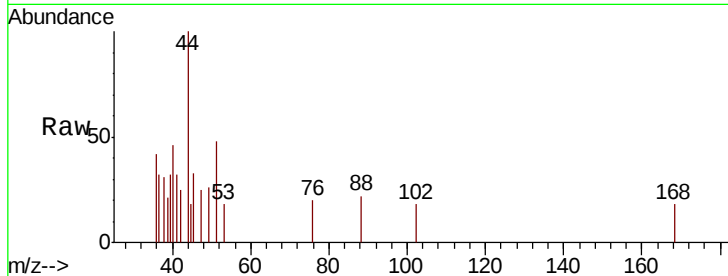
Tot Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 81.4 20.2 30.2#

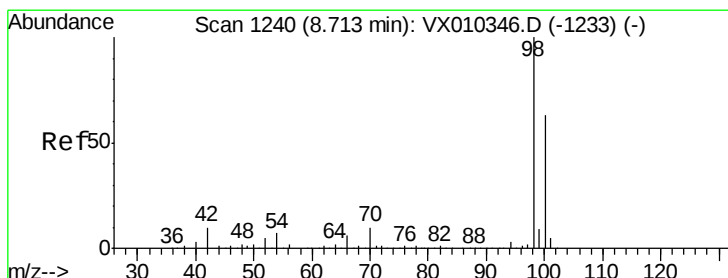
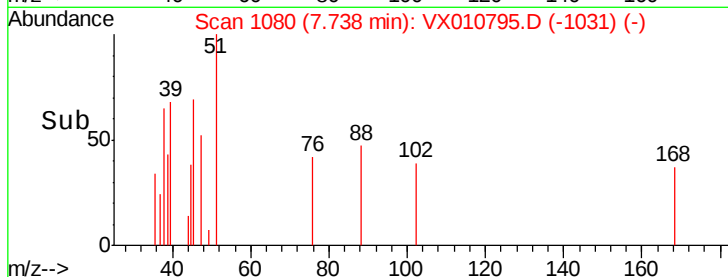
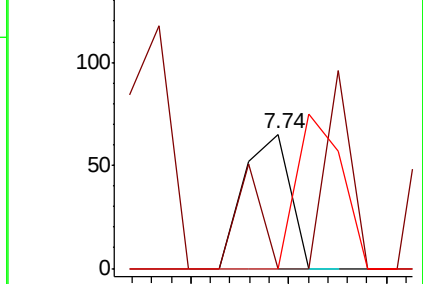
58 111.6 49.5 74.3#



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: 49.467 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010795.D

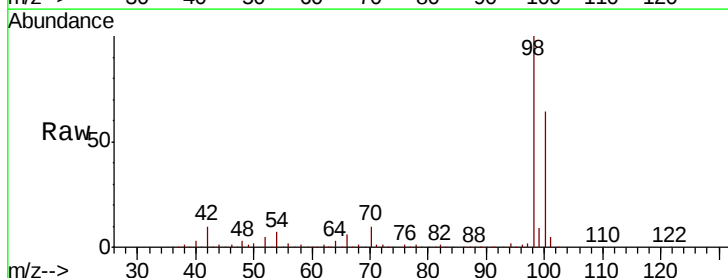
Acq: 11 Jul 2019 10:33

Tgt Ion: 98 Resp: 385755

Ion Ratio Lower Upper

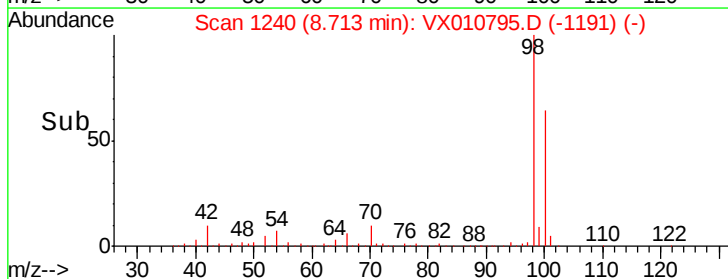
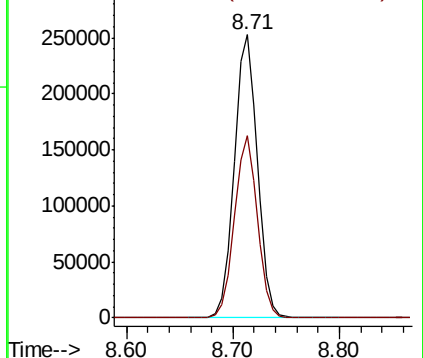
98 100

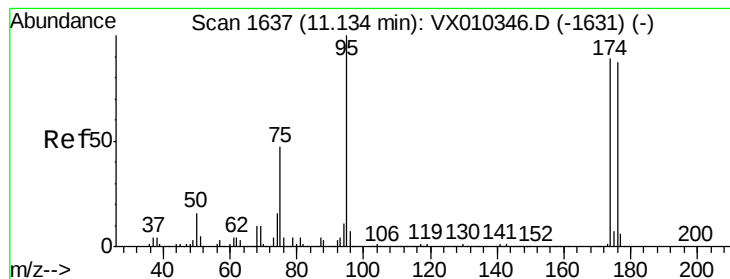
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.750 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010795.D

Acq: 11 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBL01

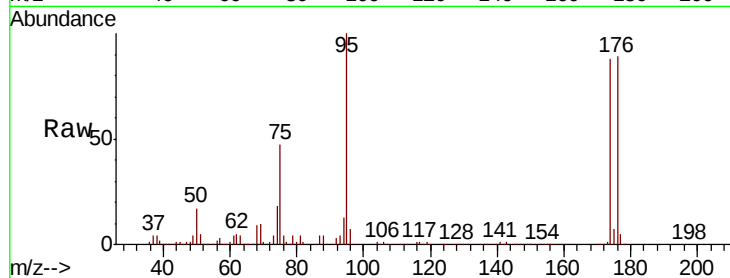
Tot Ion: 95 Resp: 123173

Ion Ratio Lower Upper

95 100

174 95.6 0.0 187.6

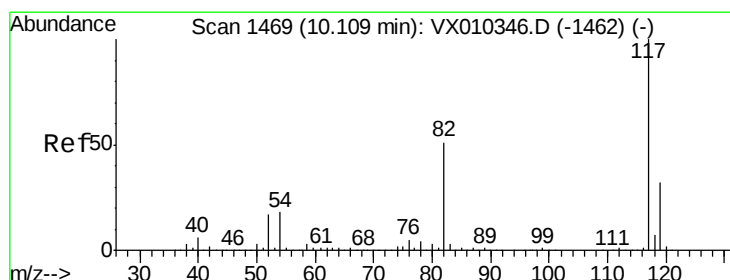
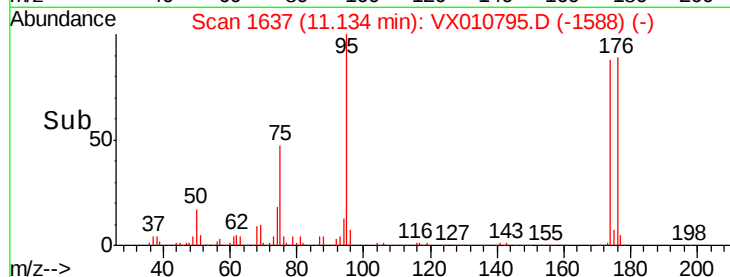
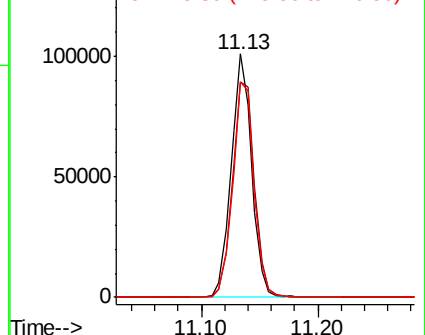
176 92.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010795.D

Acq: 11 Jul 2019 10:33

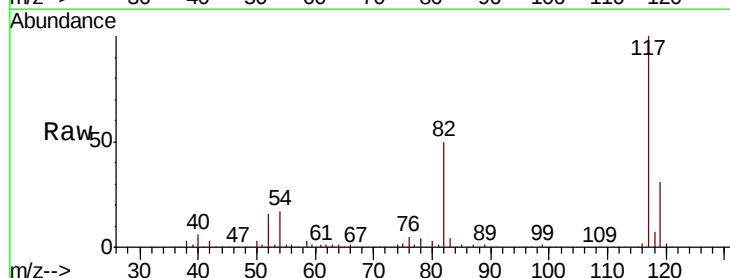
Tgt Ion: 117 Resp: 294432

Ion Ratio Lower Upper

117 100

82 50.3 41.2 61.8

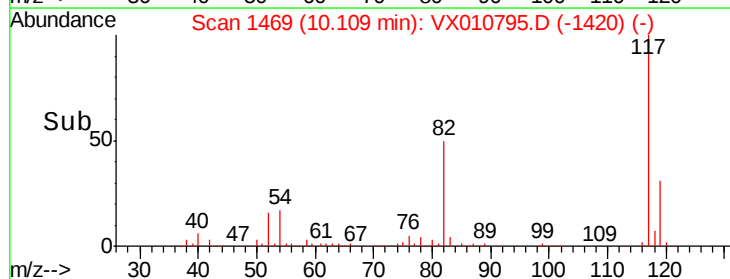
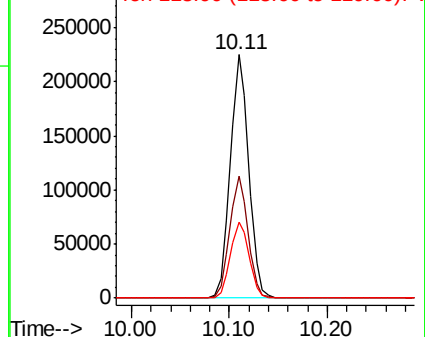
119 31.4 25.5 38.3

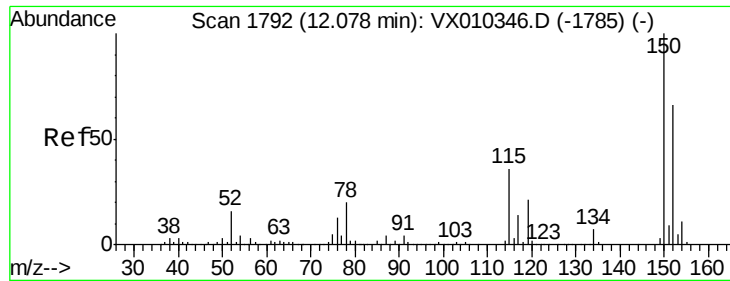


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010795.D

Acq: 11 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBL01

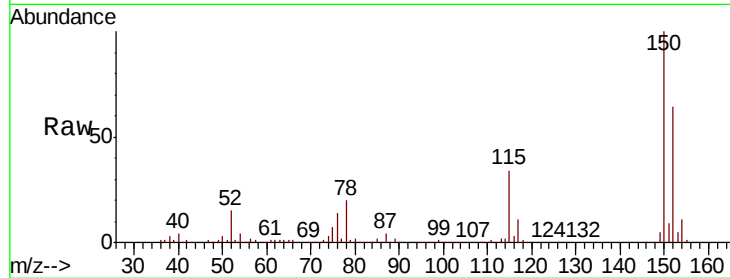
Tot Ion:152 Resp: 129278

Ion Ratio Lower Upper

152 100

115 54.9 38.6 115.7

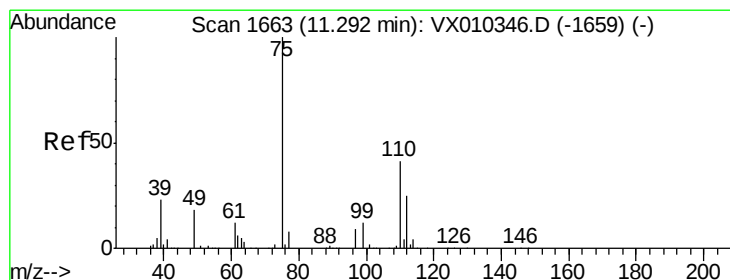
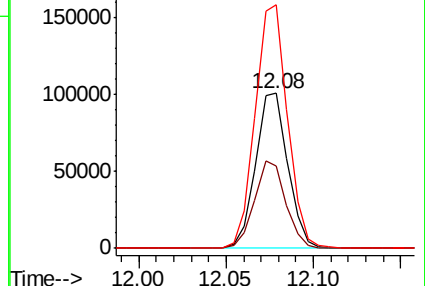
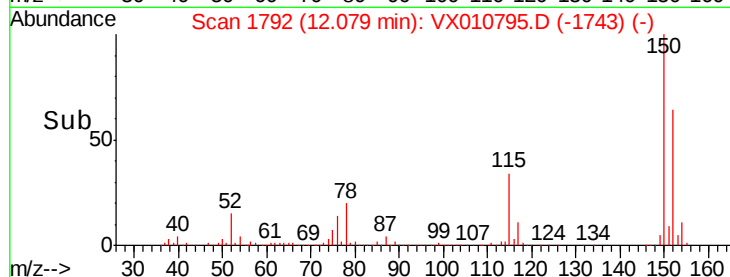
150 157.4 0.0 347.4



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: 25.693 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010795.D

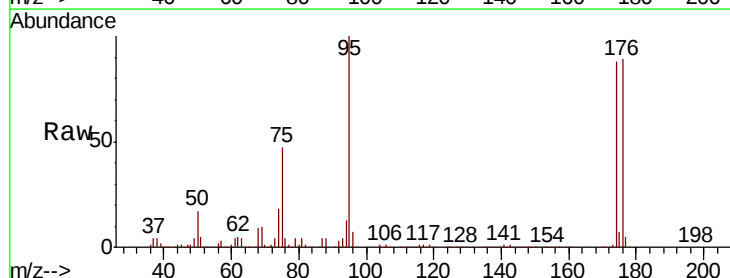
Acq: 11 Jul 2019 10:33

Tgt Ion: 75 Resp: 60526

Ion Ratio Lower Upper

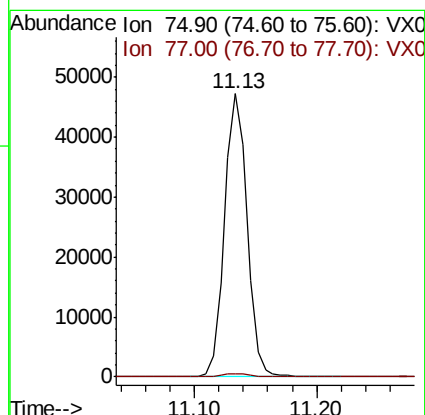
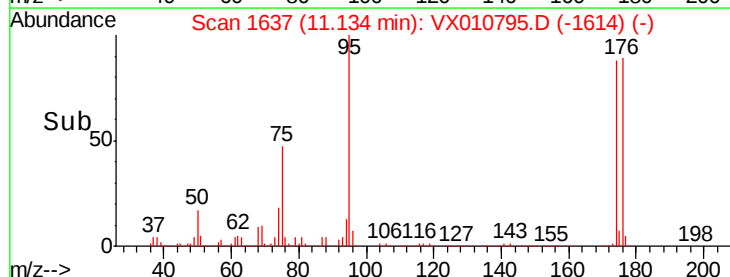
75 100

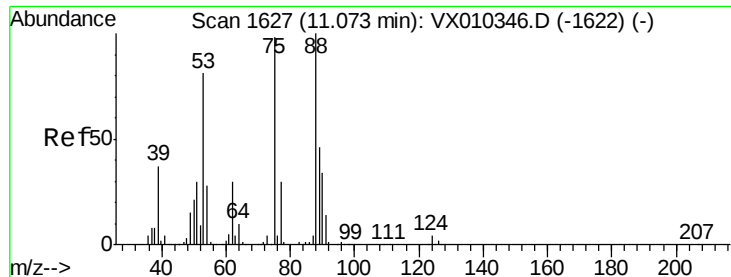
77 1.4 22.6 67.8#



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: 59.938 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010795.D

Acq: 11 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBL01

Tot Ion: 75 Resp: 60526

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.2 37.8 56.6#

