

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102419\
 Data File : VX013184.D
 Acq On : 23 Oct 2019 12:24
 Operator : JC/SP
 Sample : VX1024WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBL01

Quant Time: Oct 24 04:04:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	262083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103626	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	106016	29.79	ug/l	0.00
Spiked Amount			Recovery	=	59.58%	
35) Dibromofluoromethane	5.48	113	83221	28.47	ug/l	0.00
Spiked Amount			Recovery	=	56.94%	
50) Toluene-d8	8.71	98	313065	28.90	ug/l	0.00
Spiked Amount			Recovery	=	57.80%	
62) 4-Bromofluorobenzene	11.13	95	114232	26.65	ug/l	0.00
Spiked Amount			Recovery	=	53.30%	

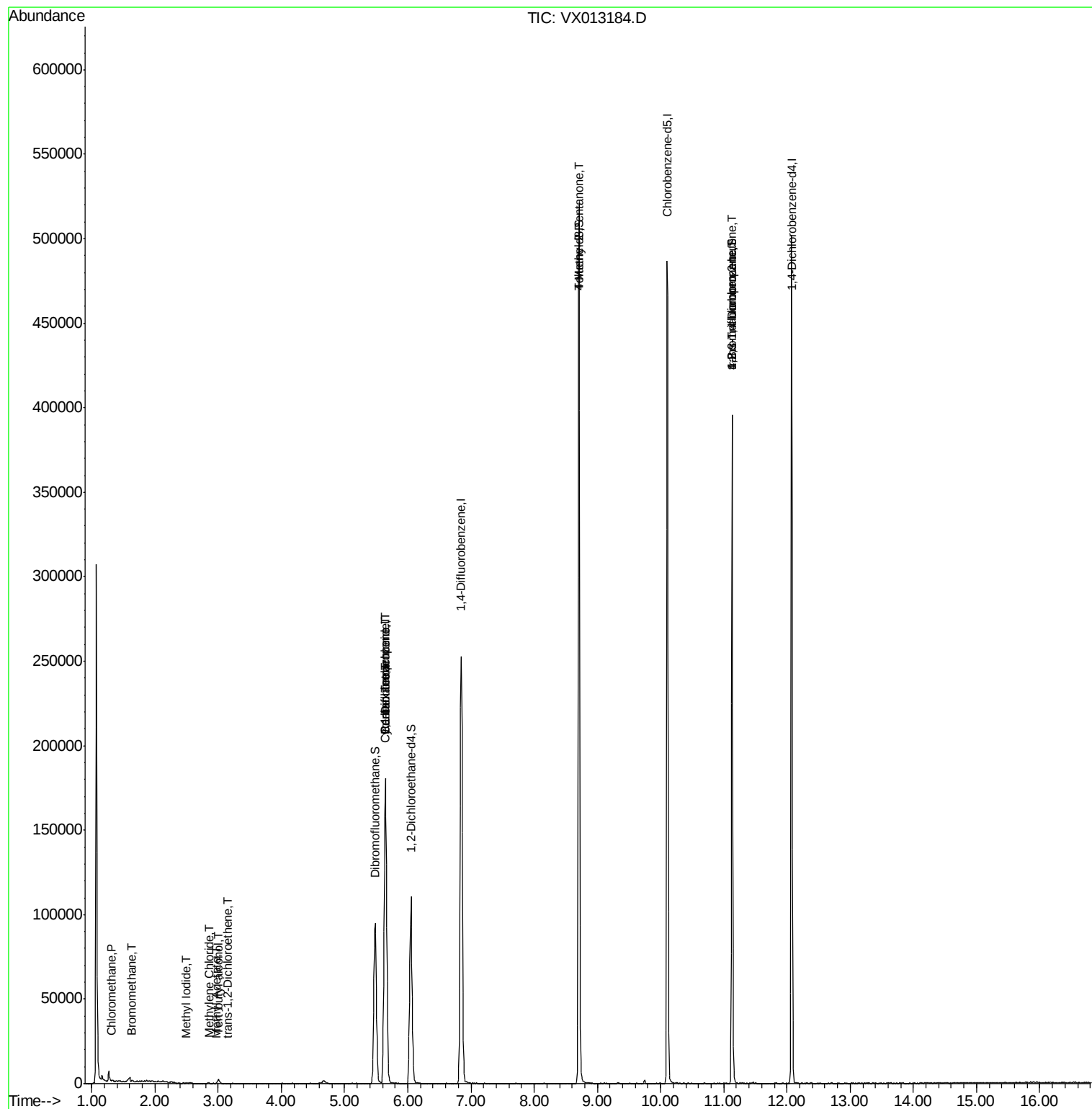
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	90	1.008	ug/l #	40
5) Bromomethane	1.64	94	354	0.216	ug/l #	60
6) Chloroethane	1.72	64	307	Below Cal	#	43
10) Methyl Iodide	2.50	142	181	3.585	ug/l #	54
11) Tert butyl alcohol	3.01	59	1590	1.001	ug/l #	72
18) Methyl Acetate	2.97	43	19	0.974	ug/l #	49
20) Methylene Chloride	2.85	84	294	0.382	ug/l #	73
21) trans-1,2-Dichloroethene	3.16	96	39	0.489	ug/l #	1
31) Cyclohexane	5.64	56	3249	0.706	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12966	2.883	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17350	3.582	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	1435	0.325	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	57181	22.895	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	57181	62.913	ug/l #	10

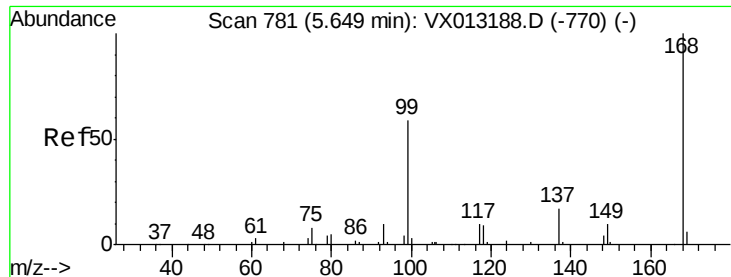
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

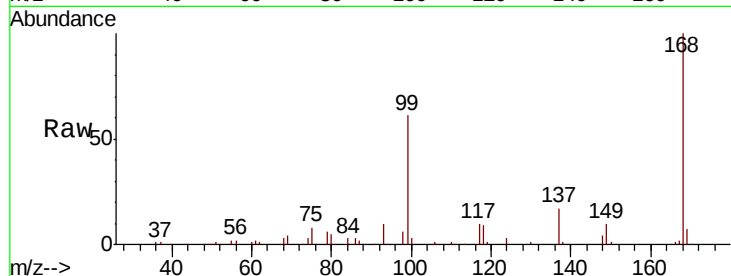
VX1024WBL01

Tot Ion:168 Resp: 170135

Ion Ratio Lower Upper

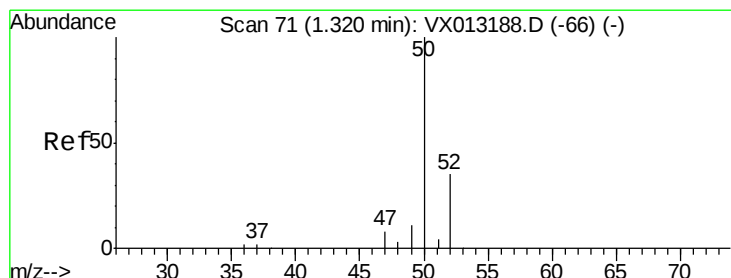
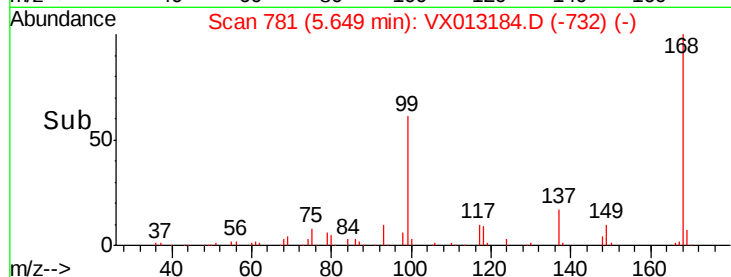
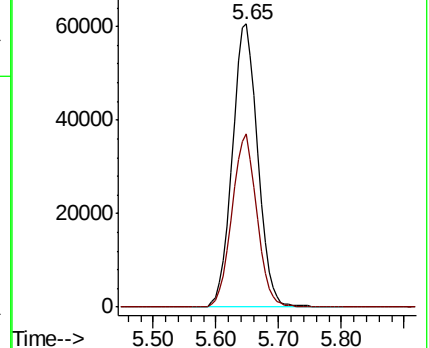
168 100

99 61.4 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.008 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013184.D

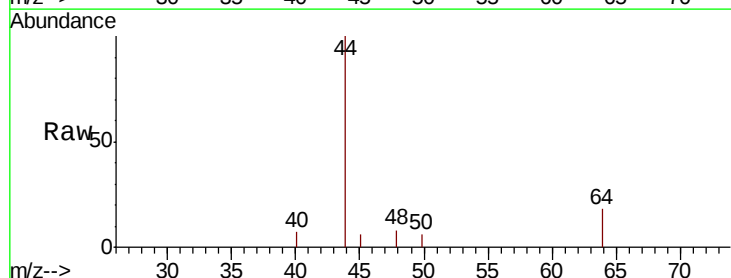
Acq: 23 Oct 2019 12:24

Tgt Ion: 50 Resp: 90

Ion Ratio Lower Upper

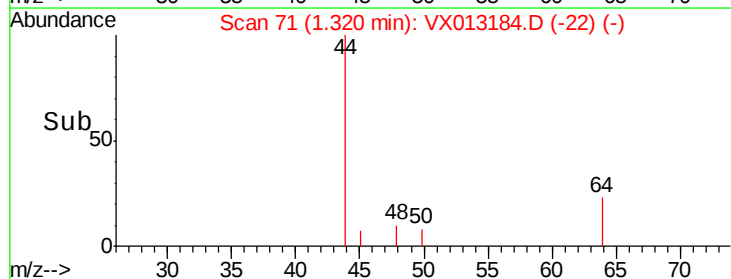
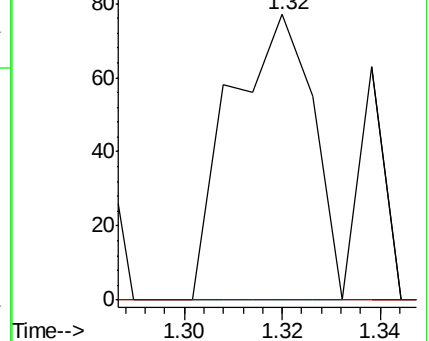
50 100

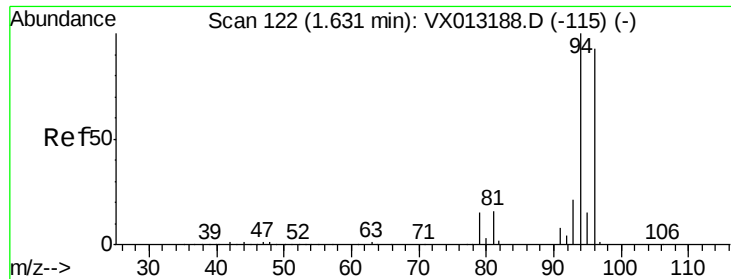
52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

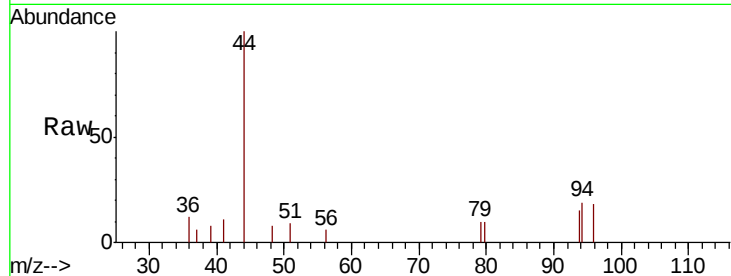
VX1024WBL01

Tot Ion: 94 Resp: 354

Ion Ratio Lower Upper

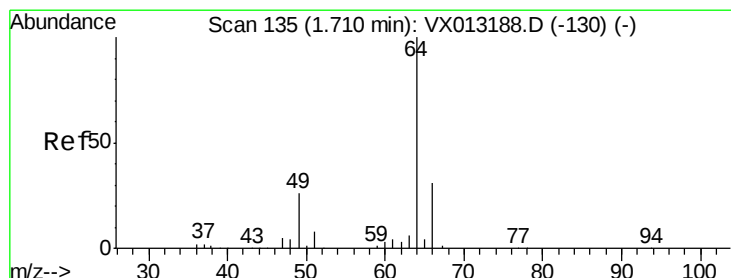
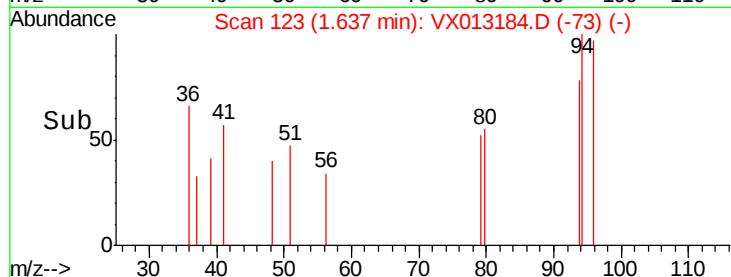
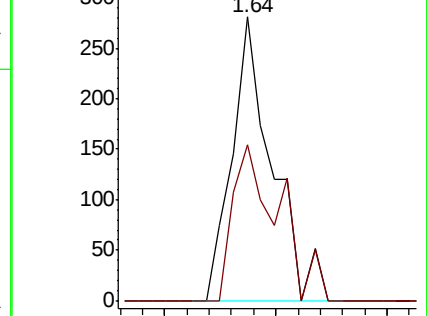
94 100

96 54.8 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013184.D

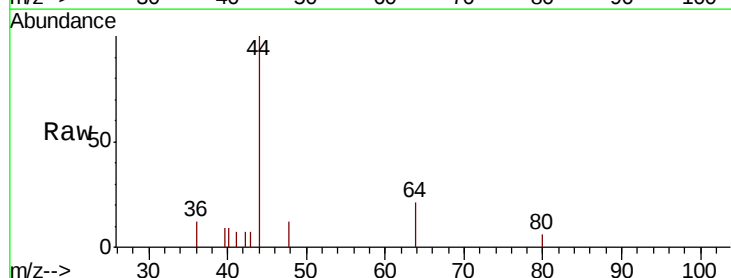
Acq: 23 Oct 2019 12:24

Tgt Ion: 64 Resp: 307

Ion Ratio Lower Upper

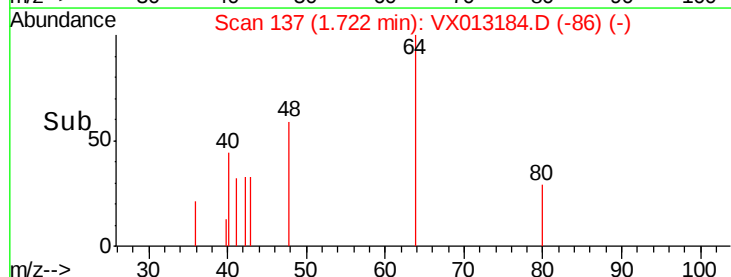
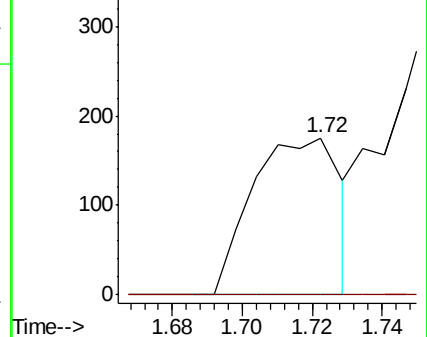
64 100

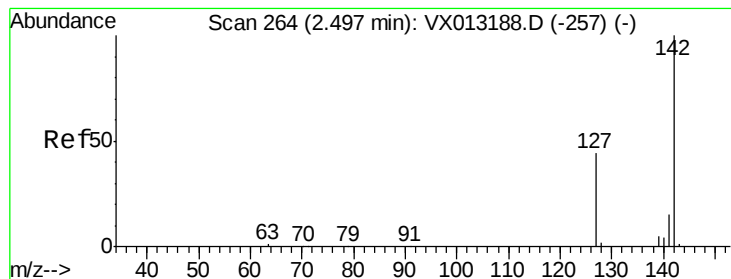
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 3.585 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL01

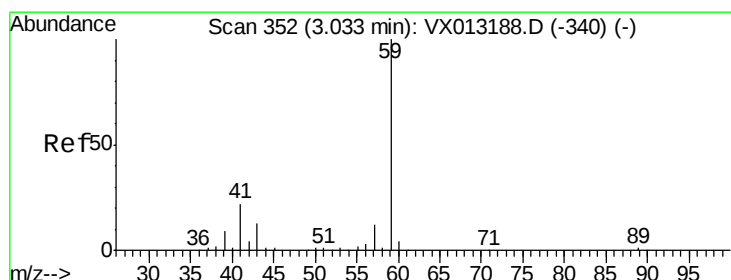
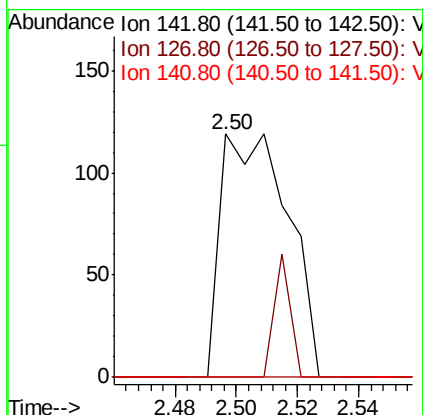
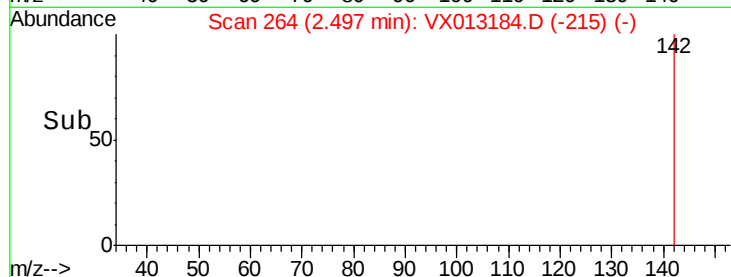
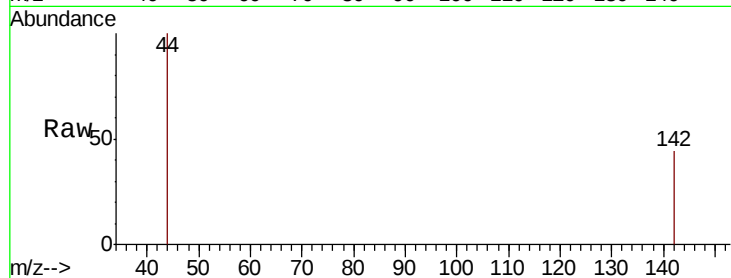
Tot Ion:142 Resp: 181

Ion Ratio Lower Upper

142 100

127 12.2 35.6 53.4#

141 0.0 11.6 17.4#



#11

Tert butyl alcohol

Concen: 1.001 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013184.D

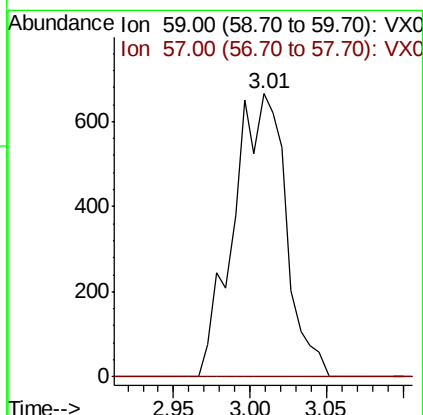
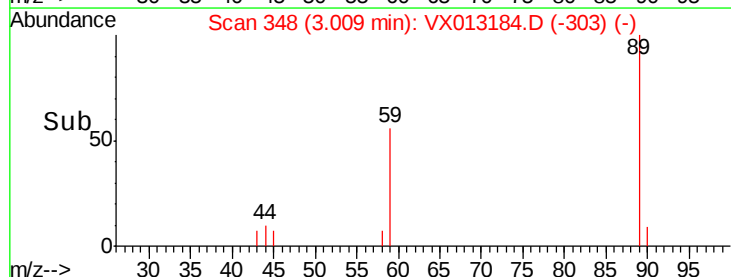
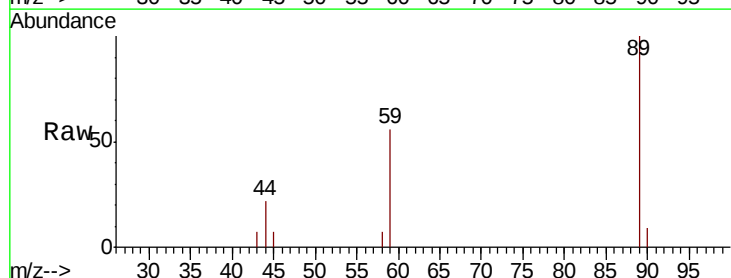
Acq: 23 Oct 2019 12:24

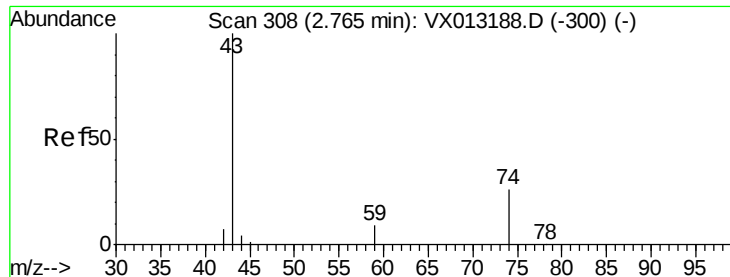
Tgt Ion: 59 Resp: 1590

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

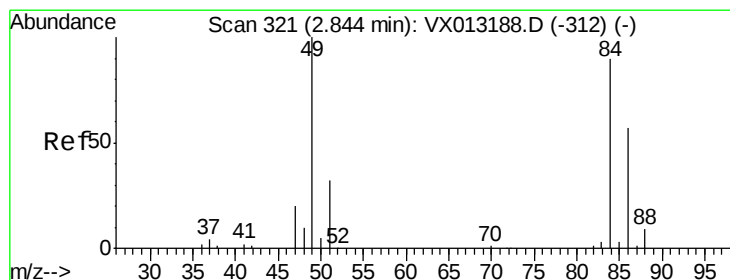
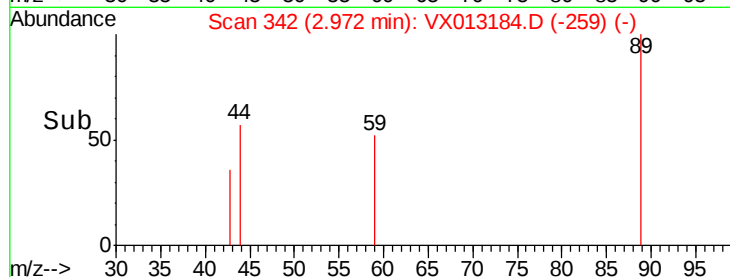
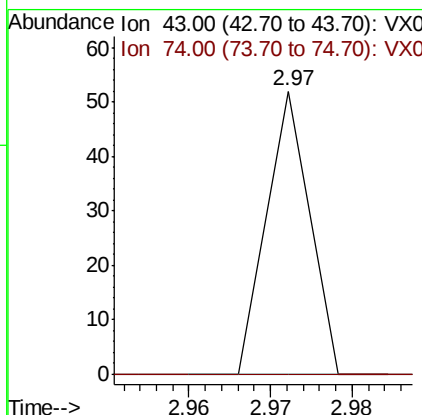
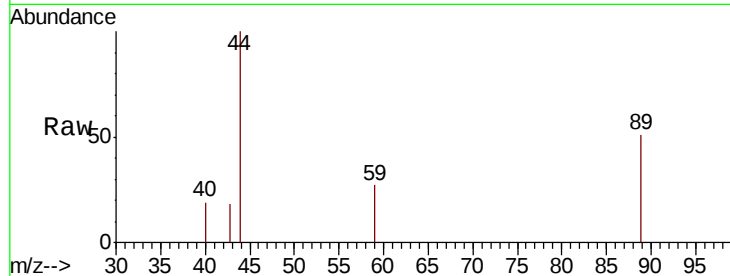




#18
Methvl Acetate
Concen: 0.974 ug/l
RT: 2.97 min Scan# 342
Delta R.T. 0.21 min
Lab File: VX013184.D
Acq: 23 Oct 2019 12:24

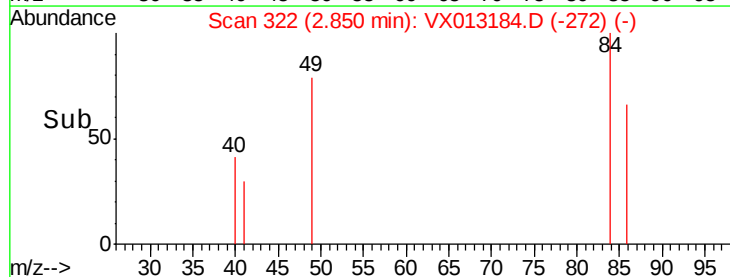
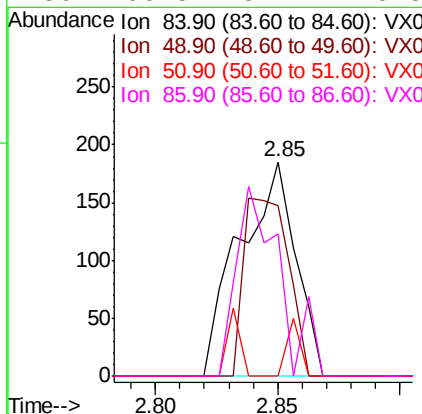
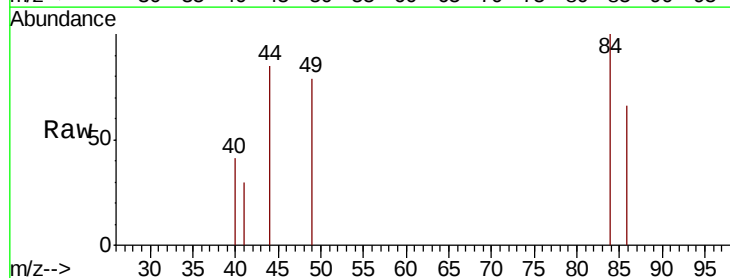
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

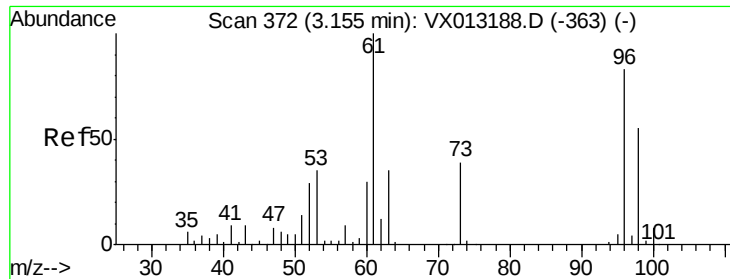
Tot Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 0.382 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013184.D
Acq: 23 Oct 2019 12:24

Tgt Ion: 84 Resp: 294
Ion Ratio Lower Upper
84 100
49 79.5 89.2 133.8#
51 0.0 28.8 43.2#
86 66.5 51.2 76.8

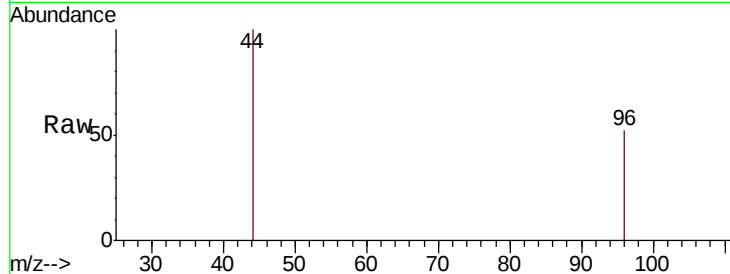




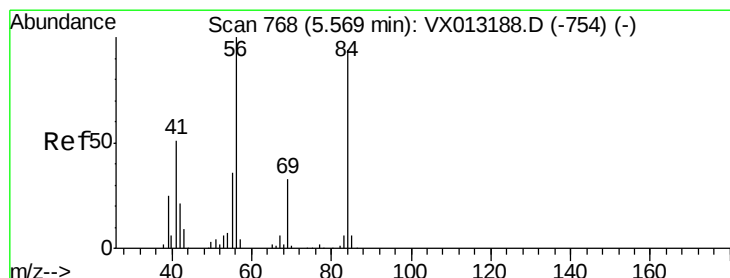
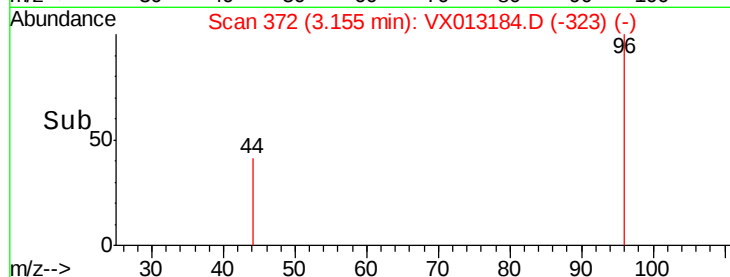
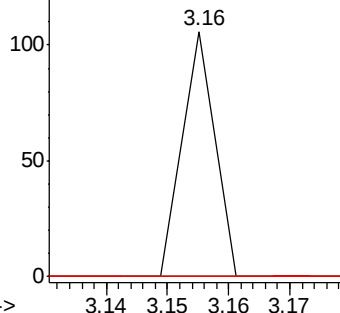
#21
trans-1,2-Dichloroethene
Concen: 0.489 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX013184.D
Acq: 23 Oct 2019 12:24

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

Tot Ion: 96 Resp: 39
Ion Ratio Lower Upper
96 100
61 0.0 96.9 145.3#
98 0.0 53.0 79.4#

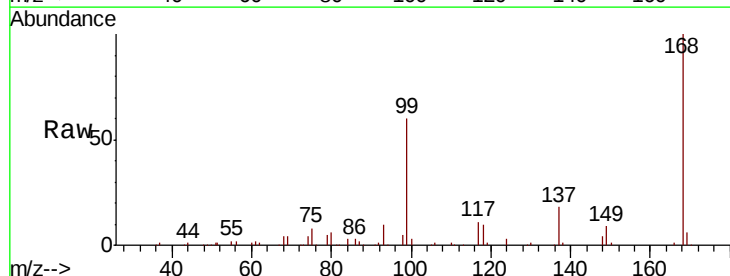


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

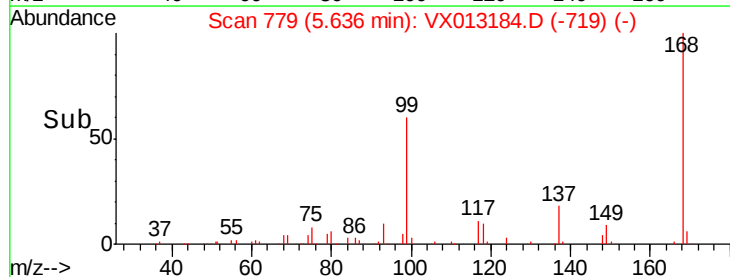
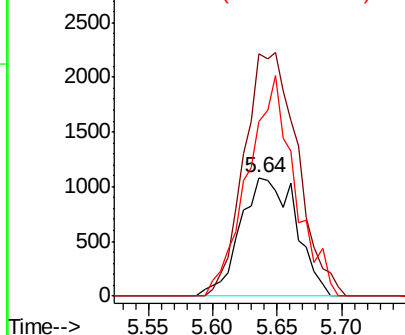


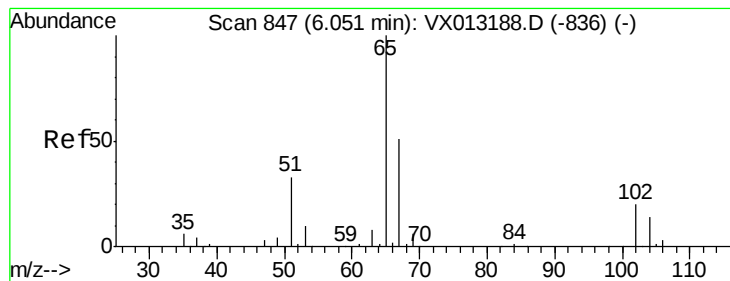
#31
Cyclohexane
Concen: 0.706 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.07 min
Lab File: VX013184.D
Acq: 23 Oct 2019 12:24

Tgt Ion: 56 Resp: 3249
Ion Ratio Lower Upper
56 100
69 204.1 26.3 39.5#
84 146.9 73.8 110.6#



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: 29.793 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

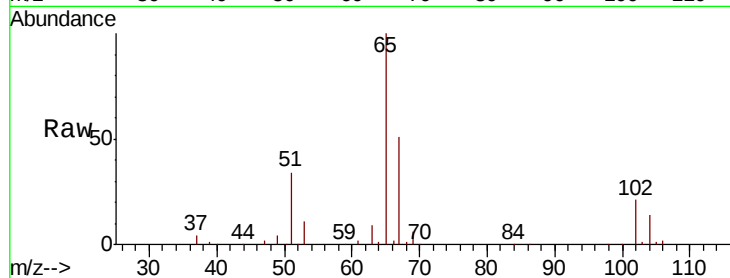
VX1024WBL01

Tot Ion: 65 Resp: 106016

Ion Ratio Lower Upper

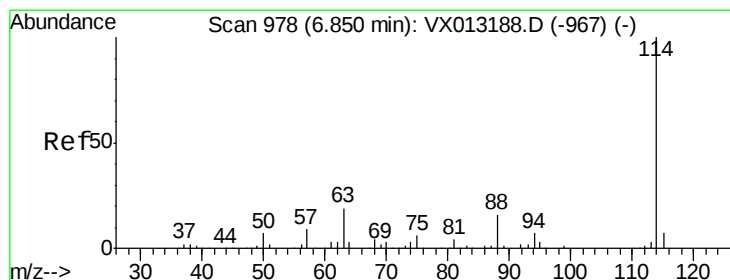
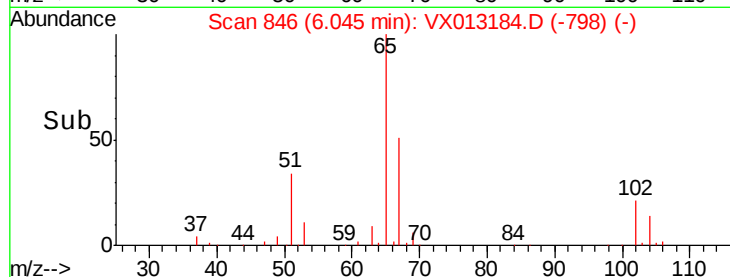
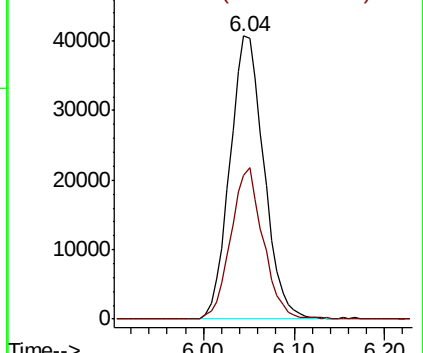
65 100

67 50.7 0.0 102.6



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: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

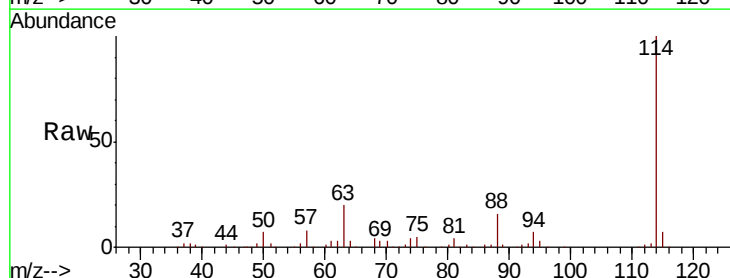
Tgt Ion: 114 Resp: 262083

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

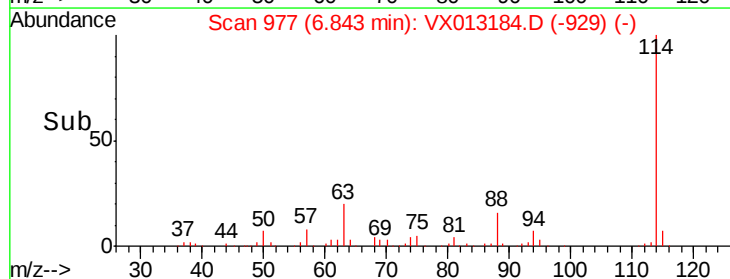
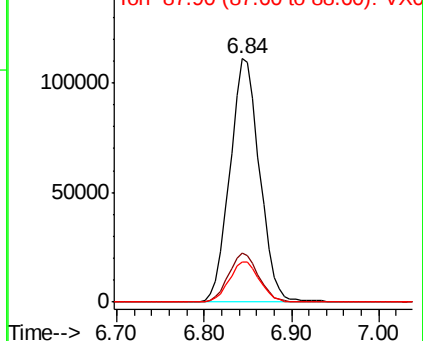
88 16.2 0.0 32.0

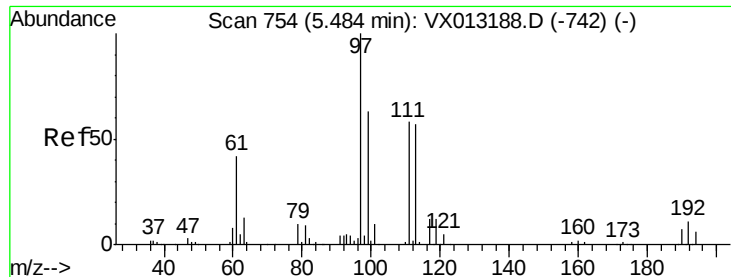


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

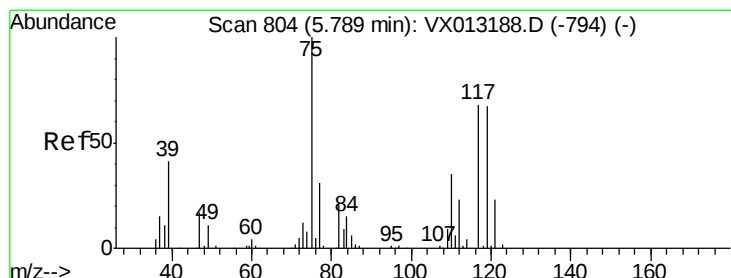
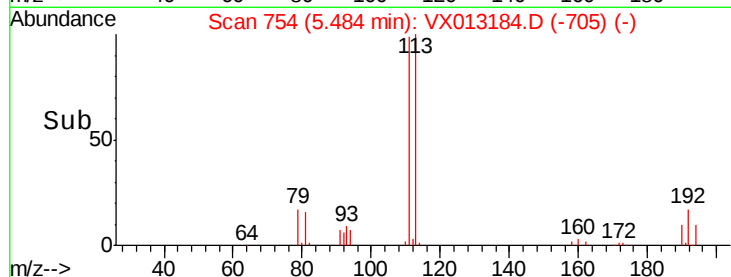
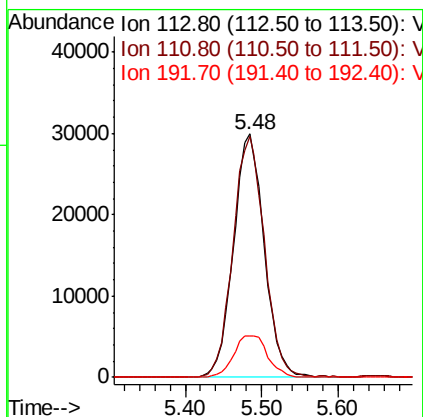
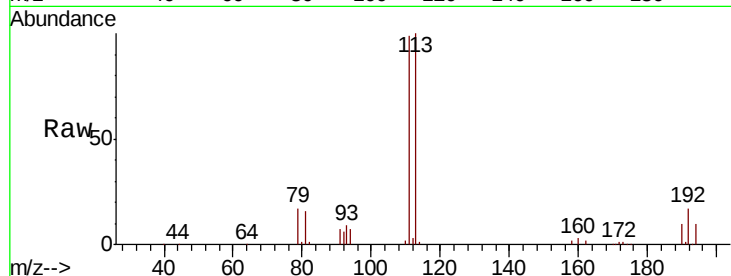




#35
 Dibromofluoromethane
 Concen: 28.475 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013184.D
 Acq: 23 Oct 2019 12:24

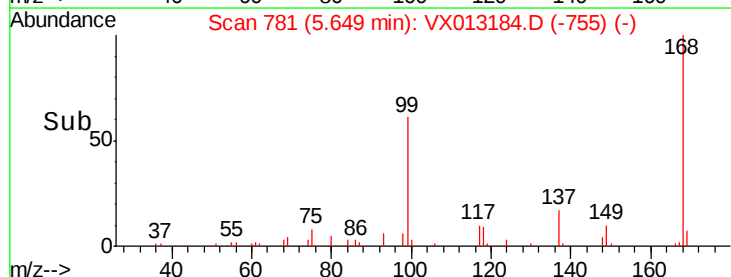
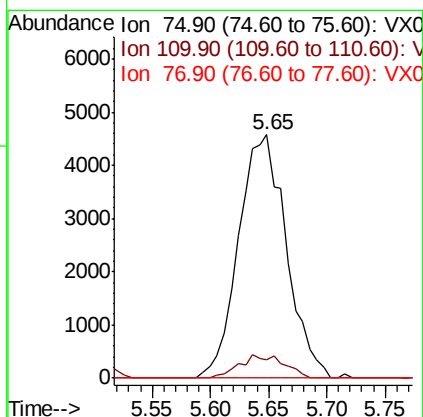
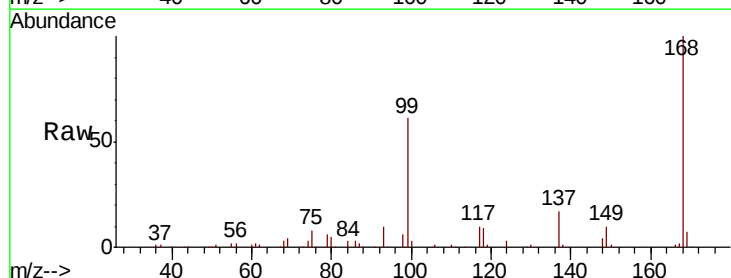
Instrument :
 MSVOA_X
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 VX1024WBL01

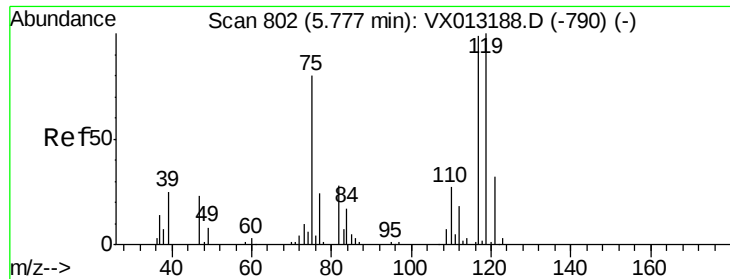
Tot Ion:113 Resp: 83221
 Ion Ratio Lower Upper
 113 100
 111 101.2 80.3 120.5
 192 18.9 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 2.883 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013184.D
 Acq: 23 Oct 2019 12:24

Tgt Ion: 75 Resp: 12966
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.6 52.9#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 3.582 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL01

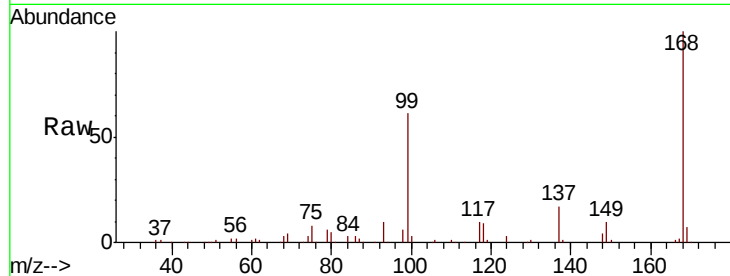
Tot Ion:117 Resp: 17350

Ion Ratio Lower Upper

117 100

119 5.0 80.1 120.1#

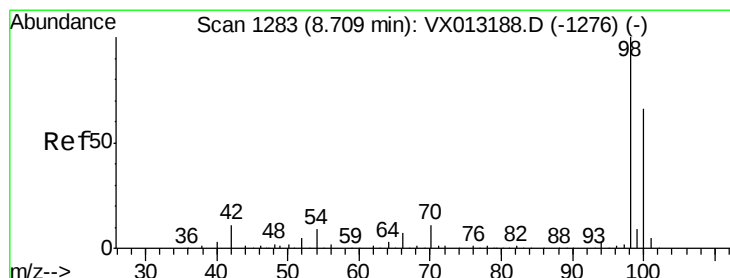
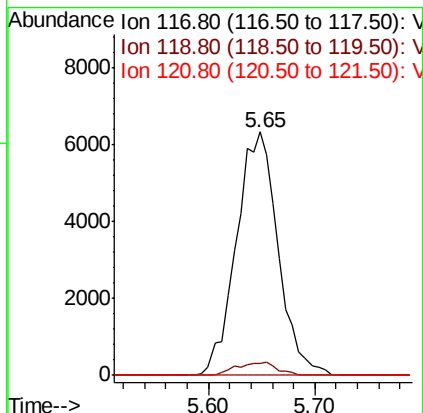
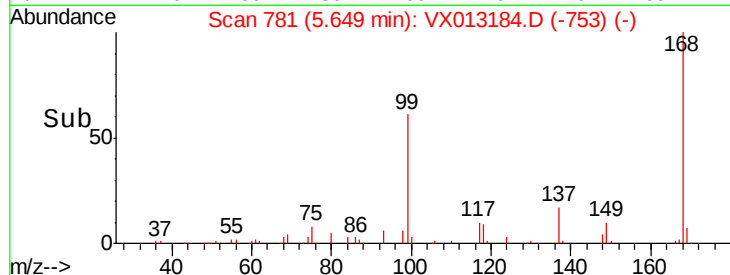
121 0.0 25.5 38.3#



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



#50

Toluene-d8

Concen: 28.905 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013184.D

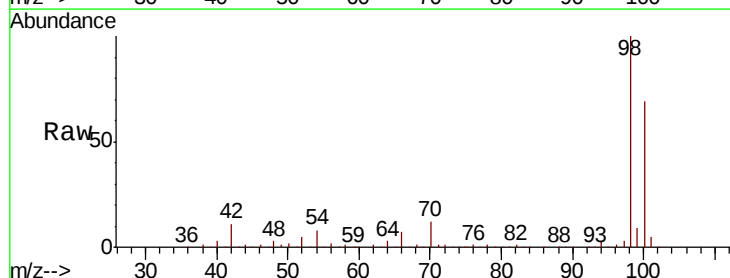
Acq: 23 Oct 2019 12:24

Tgt Ion: 98 Resp: 313065

Ion Ratio Lower Upper

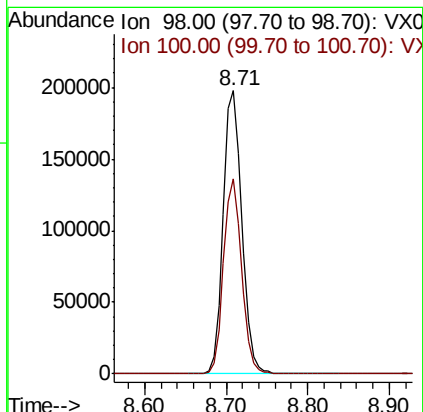
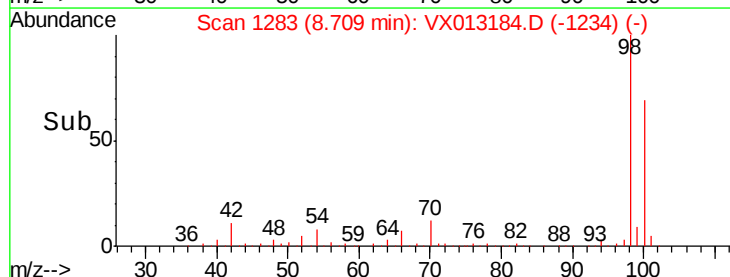
98 100

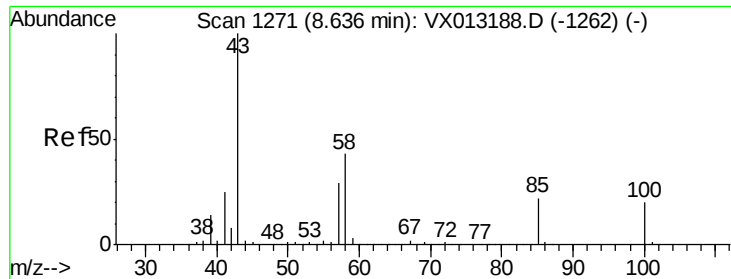
100 67.1 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.325 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

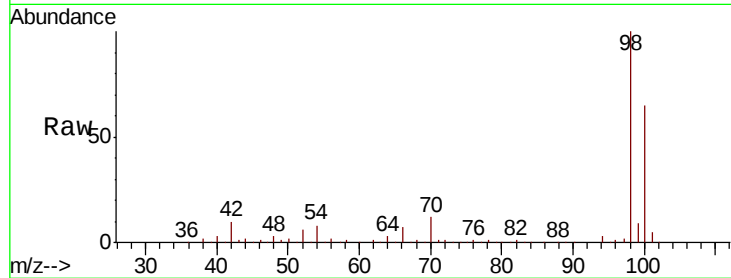
VX1024WBL01

Tot Ion: 43 Resp: 1435

Ion Ratio Lower Upper

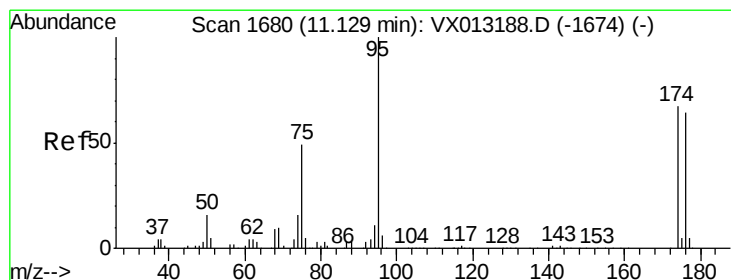
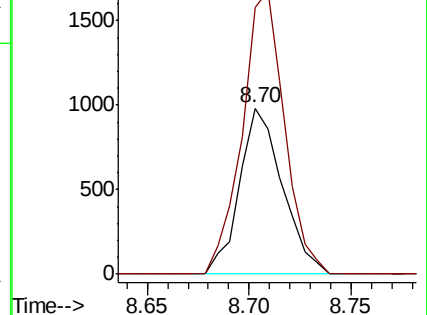
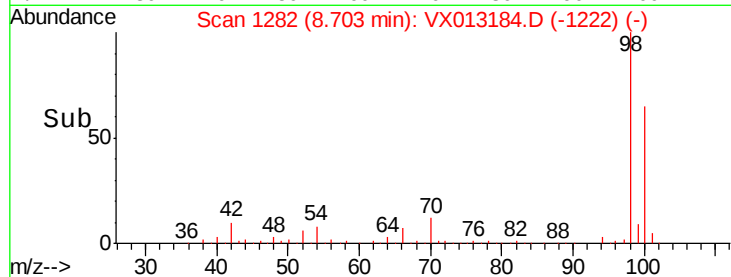
43 100

58 167.3 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 26.647 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

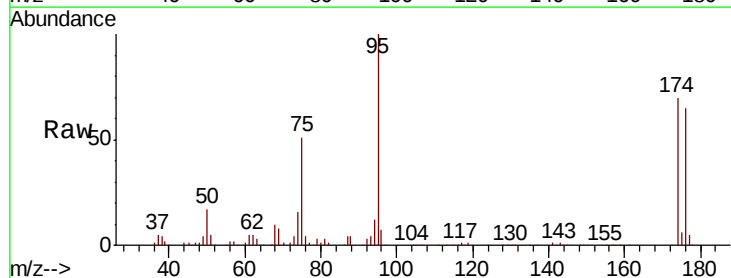
Tgt Ion: 95 Resp: 114232

Ion Ratio Lower Upper

95 100

174 76.9 0.0 152.4

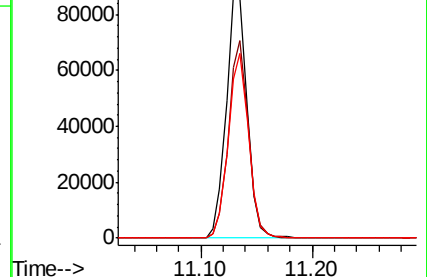
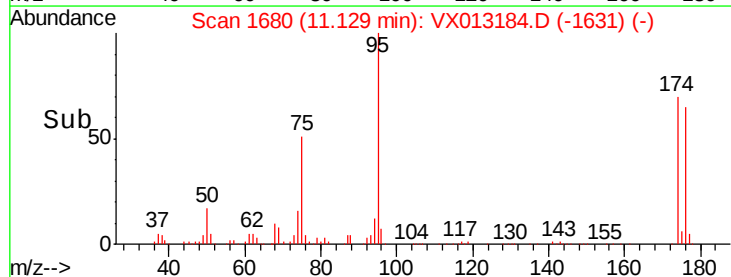
176 73.3 0.0 146.0

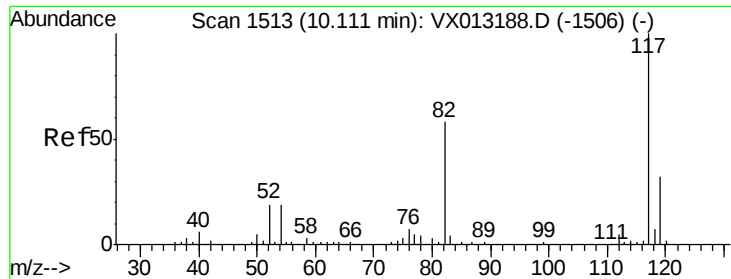


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

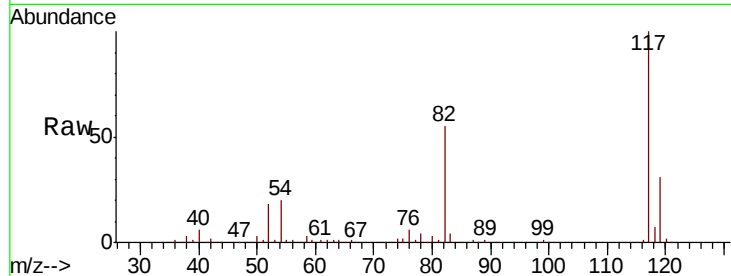




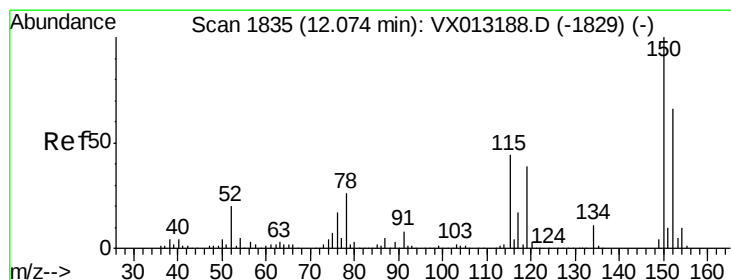
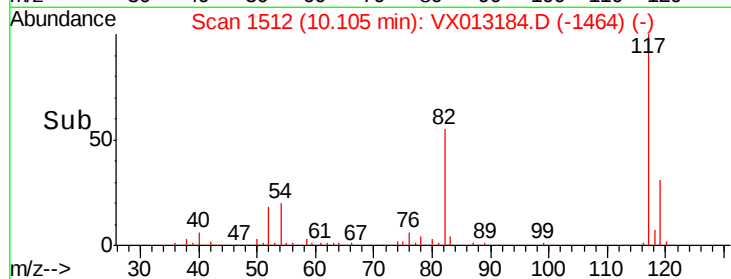
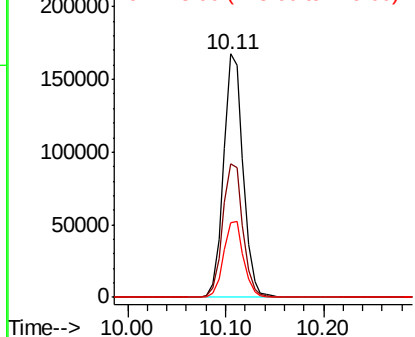
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013184.D
Acq: 23 Oct 2019 12:24

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

Tot Ion:117 Resp: 231119
Ion Ratio Lower Upper
117 100
82 54.9 46.5 69.7
119 30.5 25.2 37.8

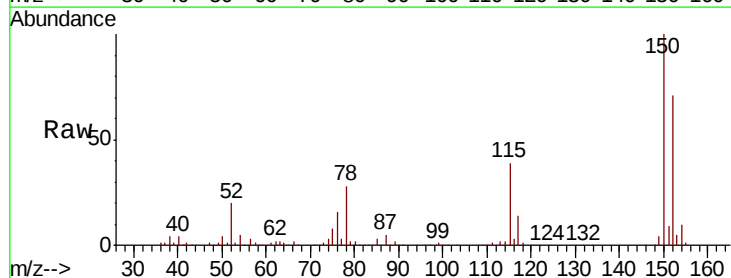


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

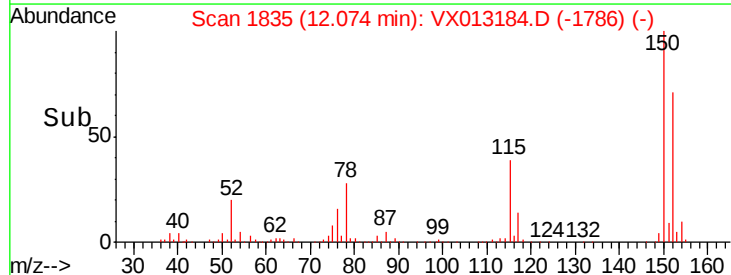
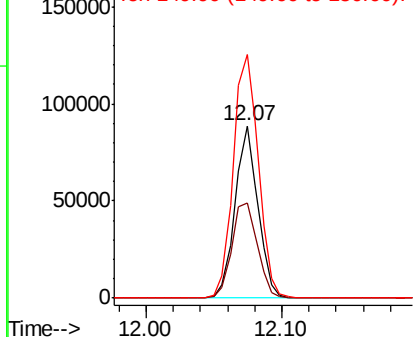


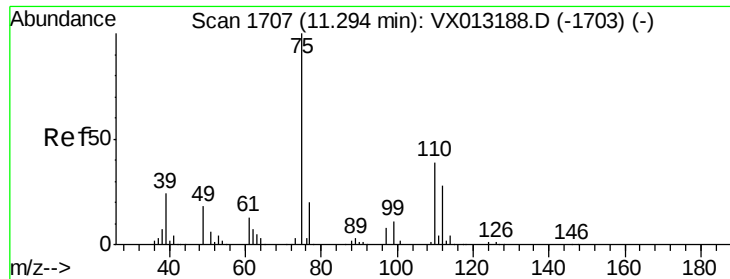
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013184.D
Acq: 23 Oct 2019 12:24

Tgt Ion:152 Resp: 103626
Ion Ratio Lower Upper
152 100
115 62.1 46.6 139.8
150 154.8 0.0 354.0



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: 22.895 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

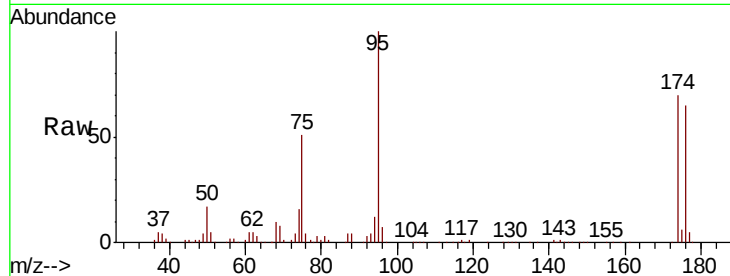
VX1024WBL01

Tot Ion: 75 Resp: 57181

Ion Ratio Lower Upper

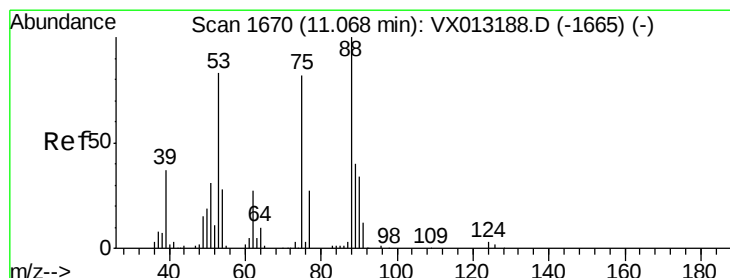
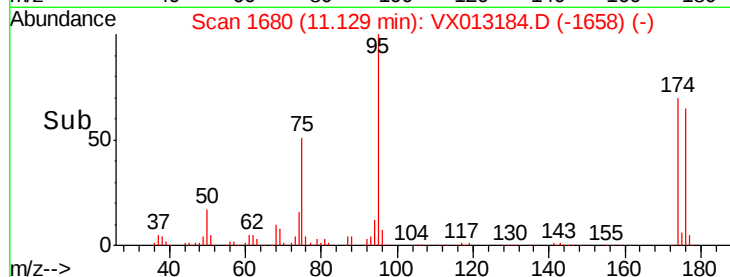
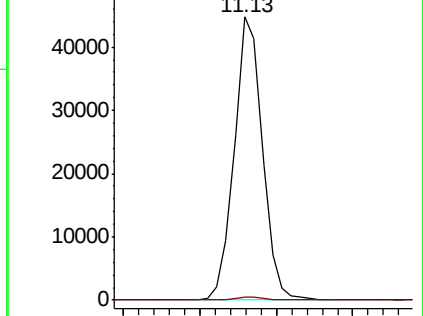
75 100

77 1.2 19.1 57.5#



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: 62.913 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013184.D

Acq: 23 Oct 2019 12:24

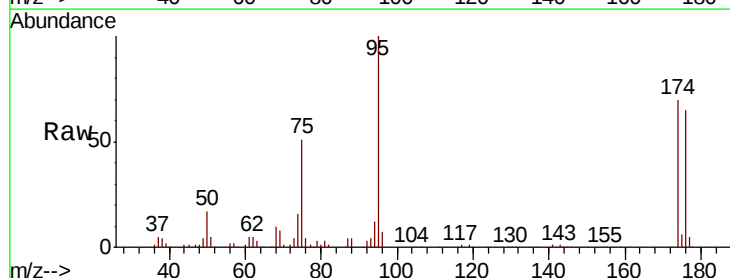
Tgt Ion: 75 Resp: 57181

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

