

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005447.D
 Acq On : 19 Oct 2018 10:20
 Operator : JC/MD
 Sample : VX1019MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBL01

Quant Time: Oct 20 04:17:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	453867	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	382565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188599	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	166479	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	5.50	113	150273	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	8.71	98	510187	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.14	95	169002	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	

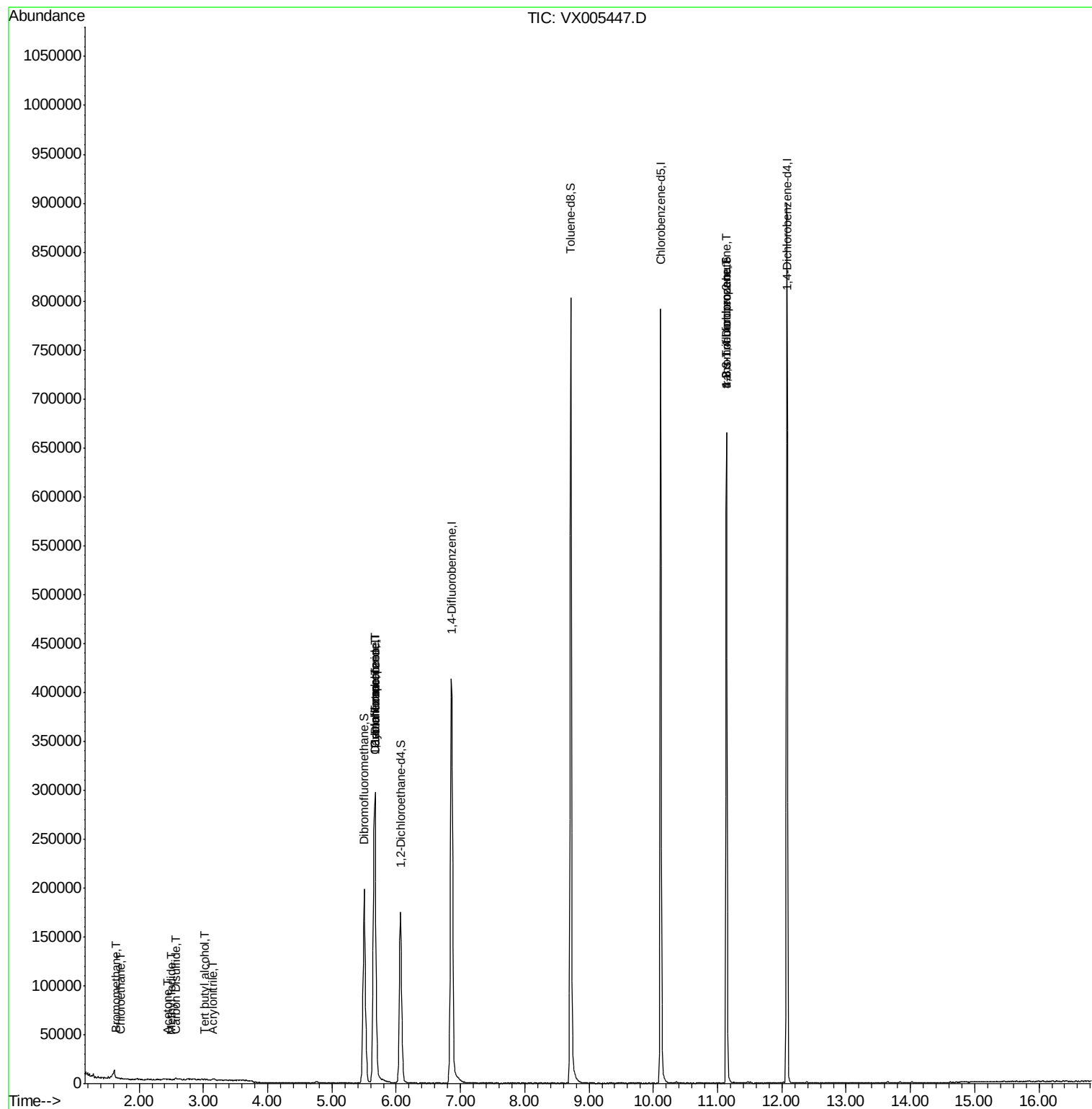
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	506	0.834	ug/l	93
6) Chloroethane	1.71	64	112	0.383	ug/l #	44
10) Methyl Iodide	2.51	142	273	2.576	ug/l #	54
11) Tert butyl alcohol	3.02	59	807	0.836	ug/l #	86
13) Acrolein	2.30	56	106	Below Cal	#	16
15) Acrylonitrile	3.14	53	600	0.274	ug/l #	45
16) Acetone	2.44	43	784	0.396	ug/l #	77
17) Carbon Disulfide	2.57	76	1659	0.203	ug/l	95
20) Methylene Chloride	2.86	84	431	Below Cal	#	55
31) Cyclohexane	5.67	56	5205	1.106	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	21280	4.841	ug/l #	49
38) Carbon Tetrachloride	5.66	117	26799	6.068	ug/l #	15
44) Trichloroethene	7.21	130	195	Below Cal		38
76) 1,2,3-Trichloropropane	11.14	75	81619	22.311	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	81619	67.791	ug/l #	10

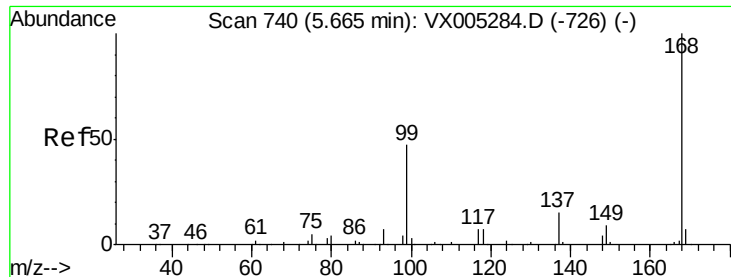
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

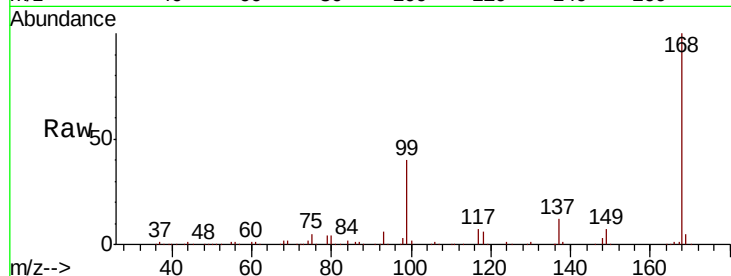
VX1019MBL01

Tot Ion:168 Resp: 308437

Ion Ratio Lower Upper

168 100

99 39.6 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

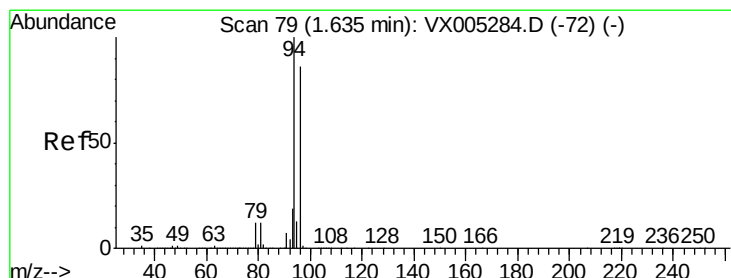
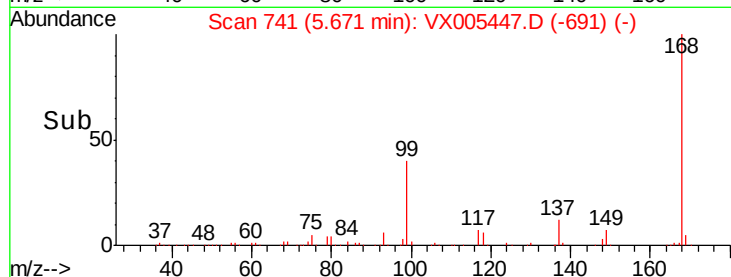
100000

50000

0

Time-->

5.60 5.70



#5

Bromomethane

Concen: 0.834 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005447.D

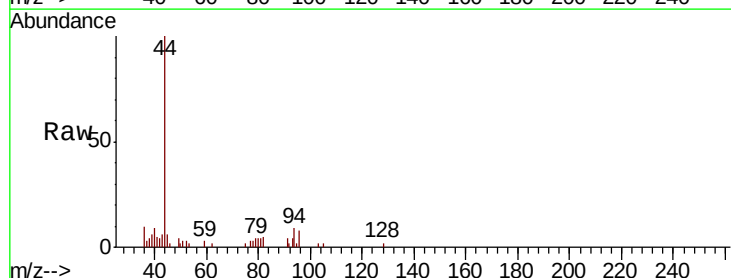
Acq: 19 Oct 2018 10:20

Tgt Ion: 94 Resp: 506

Ion Ratio Lower Upper

94 100

96 86.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

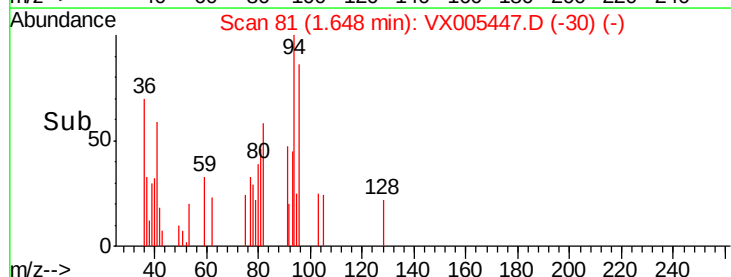
100

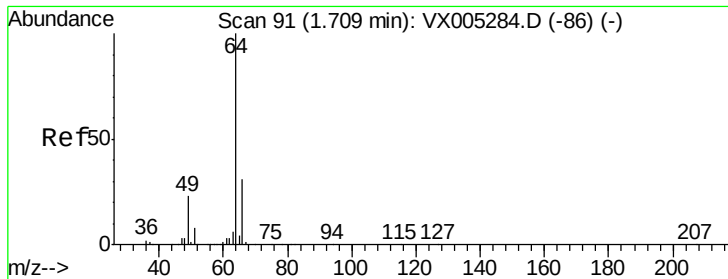
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.383 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_X

ClientSampled :

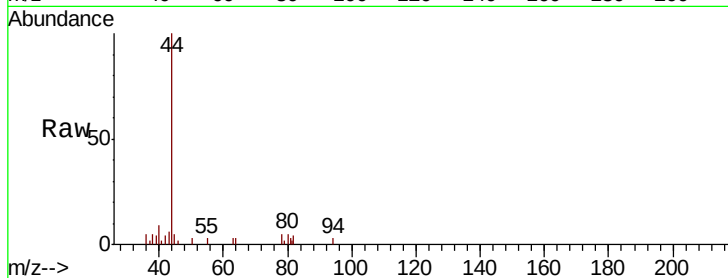
VX1019MBL01

Tot Ion: 64 Resp: 112

Ion Ratio Lower Upper

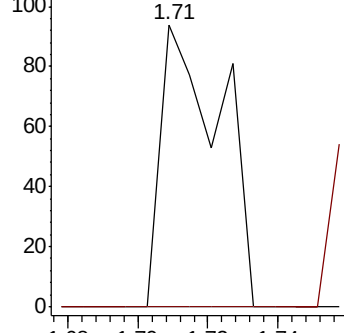
64 100

66 0.0 24.6 36.8#

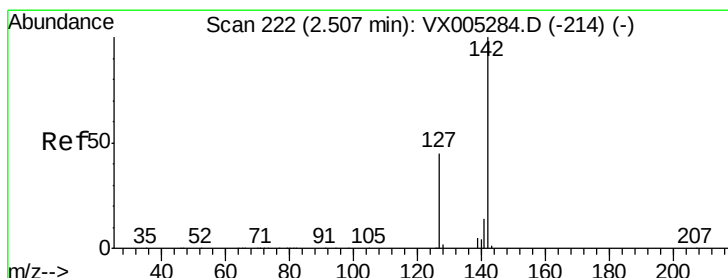
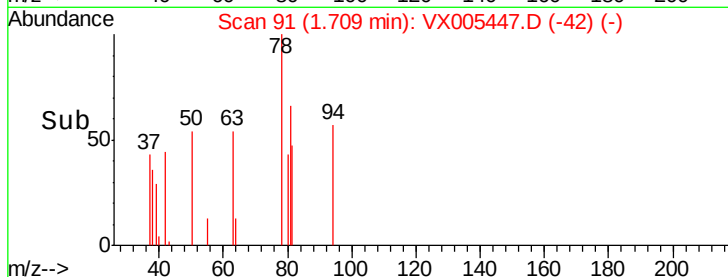


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methyl Iodide

Concen: 2.576 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

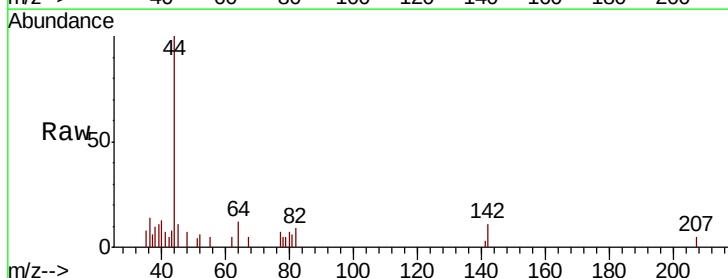
Tgt Ion: 142 Resp: 273

Ion Ratio Lower Upper

142 100

127 7.0 33.8 50.6#

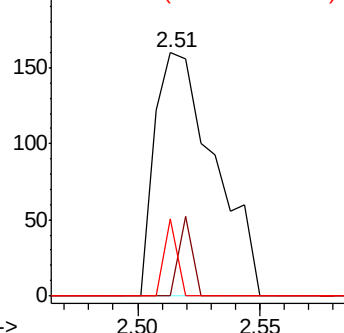
141 7.0 11.4 17.0#



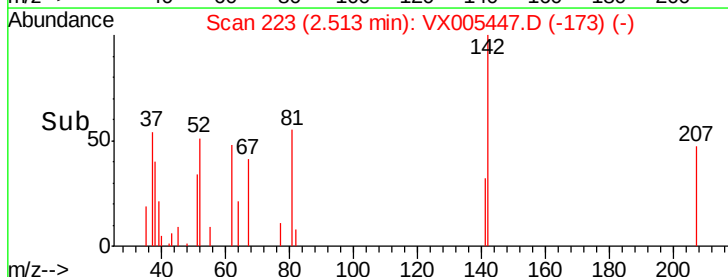
Abundance Ion 141.80 (141.50 to 142.50): V

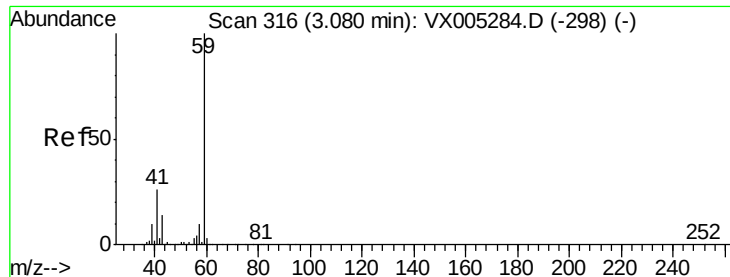
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



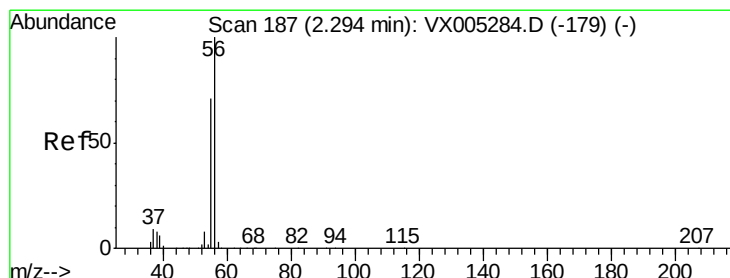
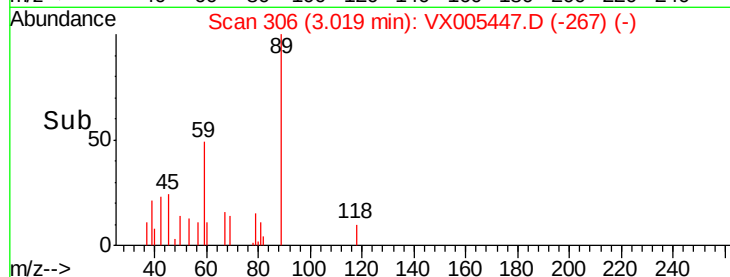
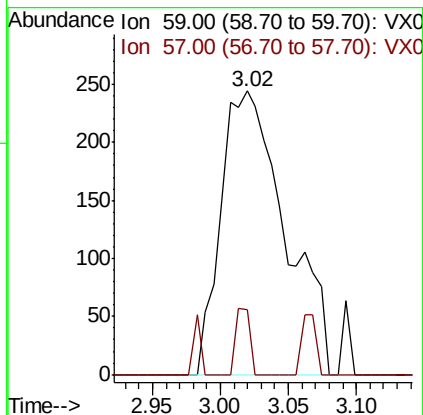
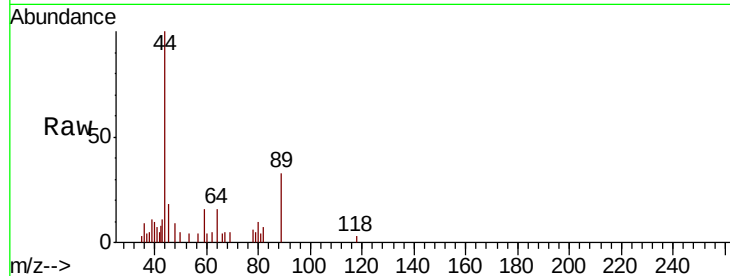


#11

Tert butyl alcohol
 Concen: 0.836 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

Instrument :
 MSVOA_X
 ClientSampled :
 VX1019MBL01

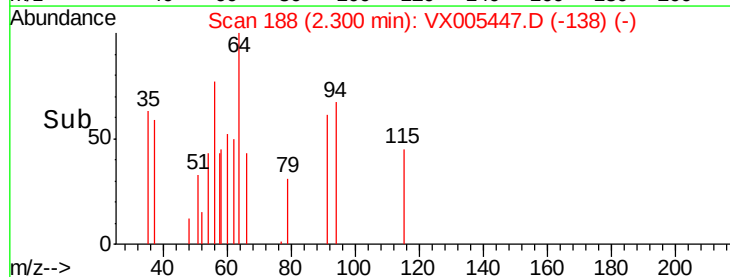
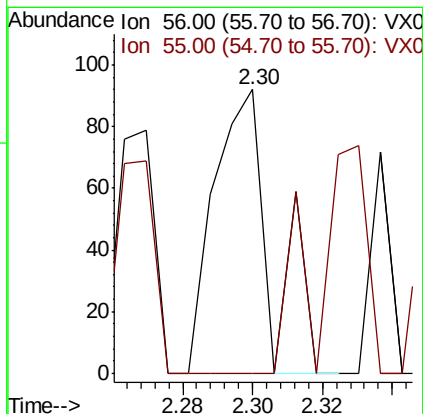
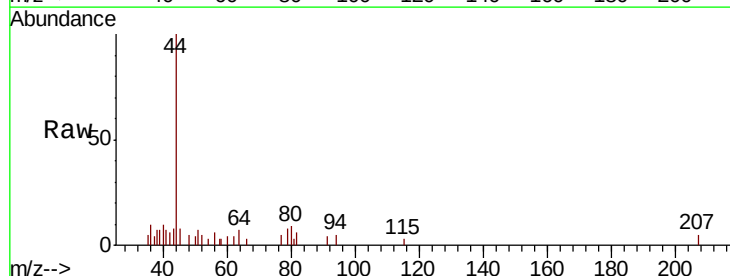
Tot Ion: 59 Resp: 807
 Ion Ratio Lower Upper
 59 100
 57 5.1 8.2 12.4#

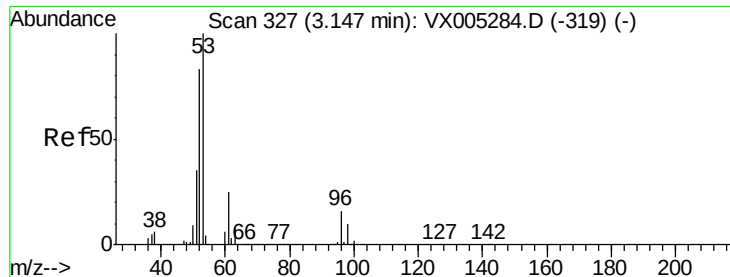


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

Tgt Ion: 56 Resp: 106
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#

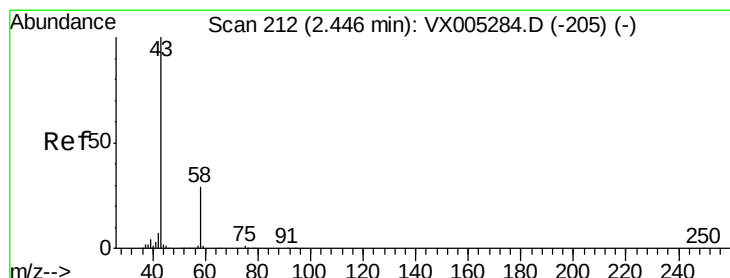
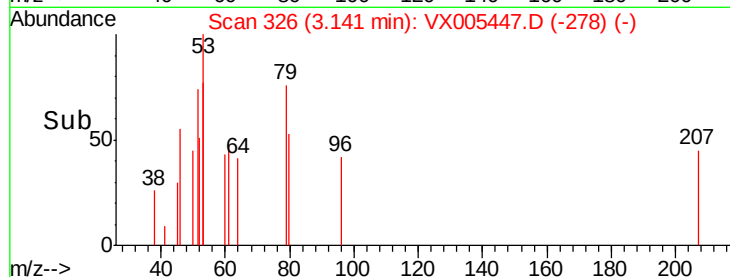
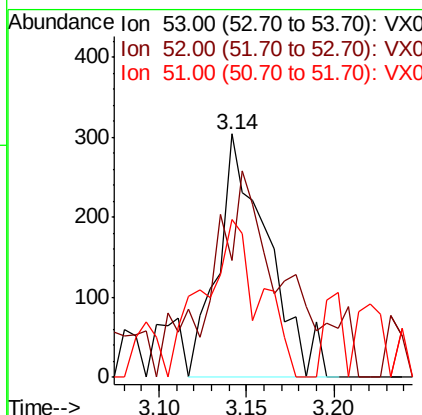
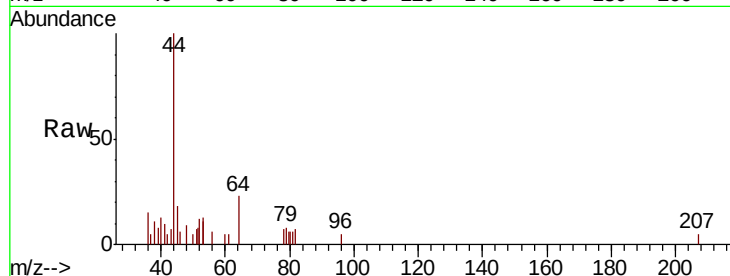




#15
 Acrylonitrile
 Concen: 0.274 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

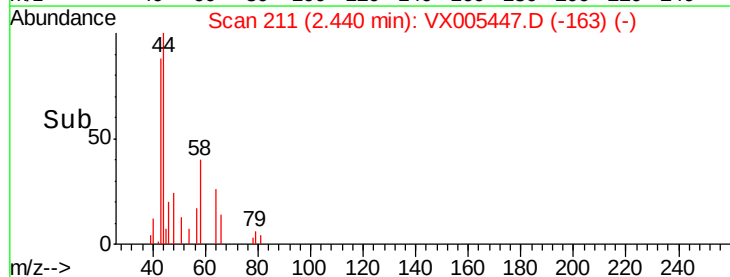
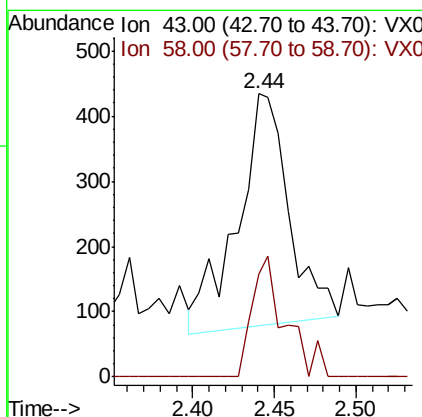
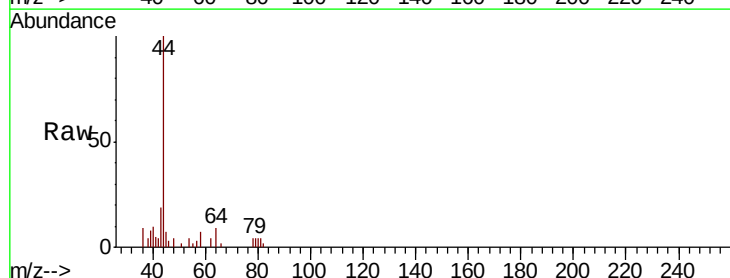
Instrument :
 MSVOA_X
 ClientSampleID :
 VX1019MBL01

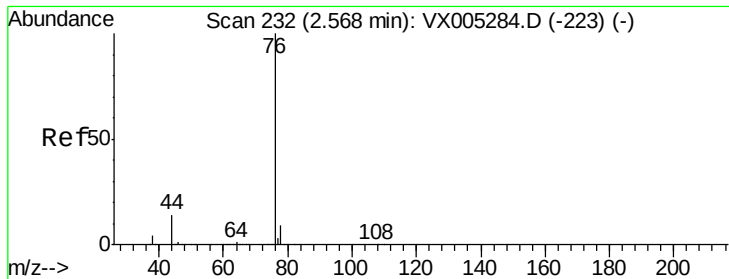
Tot Ion: 53 Resp: 600
 Ion Ratio Lower Upper
 53 100
 52 126.2 65.2 97.8#
 51 74.2 28.2 42.2#



#16
 Acetone
 Concen: 0.396 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

Tgt Ion: 43 Resp: 784
 Ion Ratio Lower Upper
 43 100
 58 46.0 26.2 39.4#





#17

Carbon Disulfide

Concen: 0.203 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

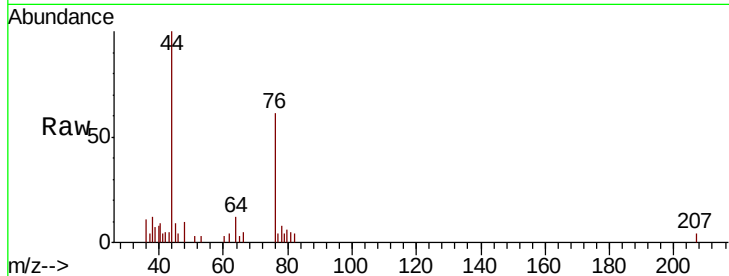
VX1019MBL01

Tot Ion: 76 Resp: 1659

Ion Ratio Lower Upper

76 100

78 7.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1200

1000

800

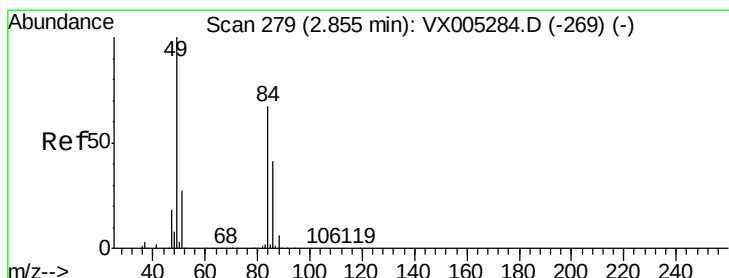
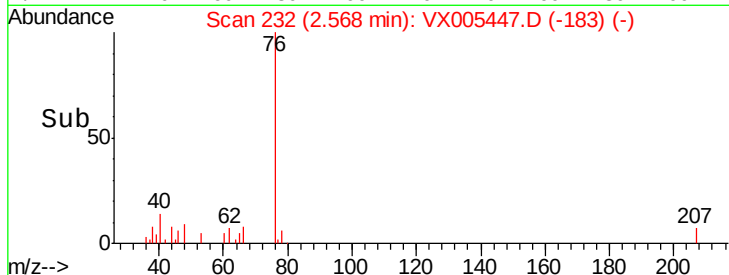
600

400

200

0

Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

Tgt Ion: 84 Resp: 431

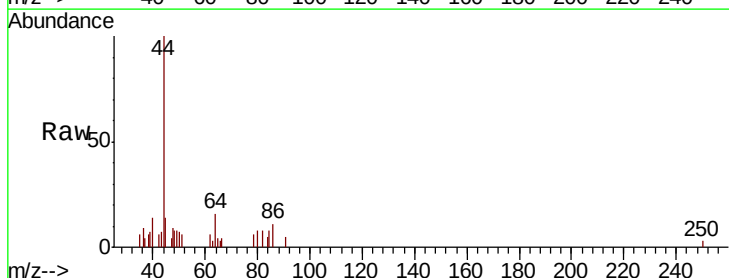
Ion Ratio Lower Upper

84 100

49 61.0 101.2 151.8#

51 9.9 29.5 44.3#

86 81.2 52.3 78.5#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

300

250

200

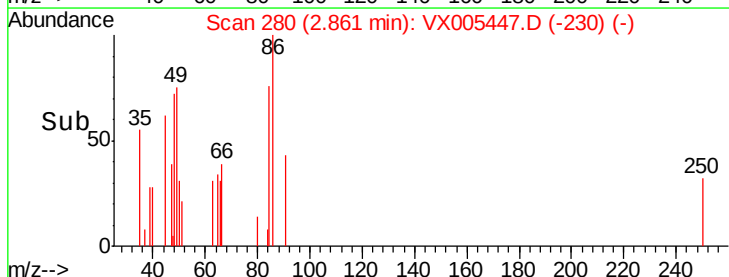
150

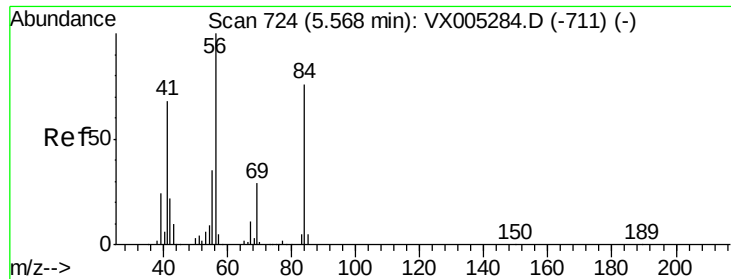
100

50

0

Time--> 2.80 2.85 2.90

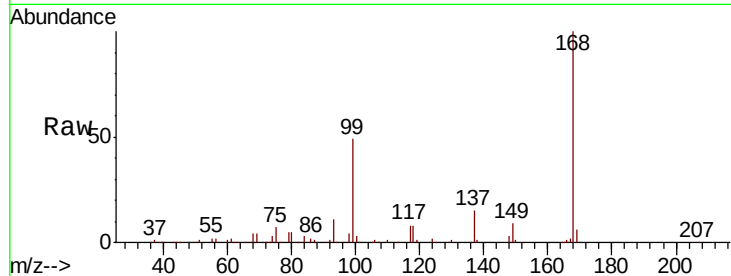




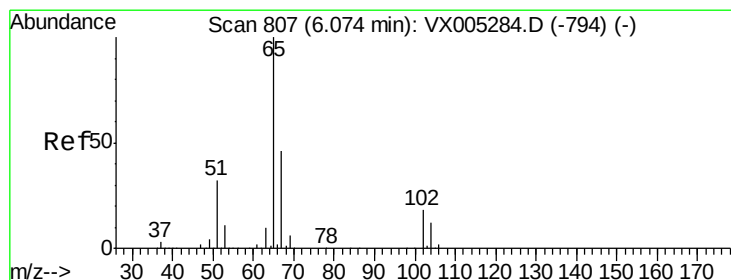
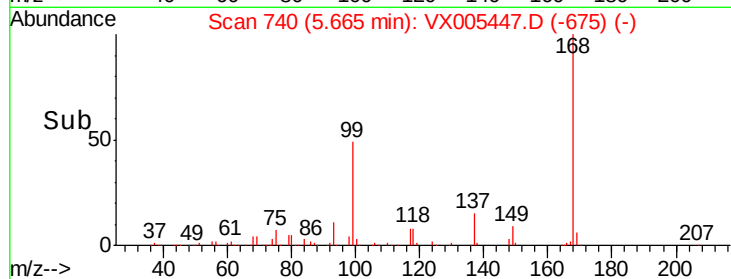
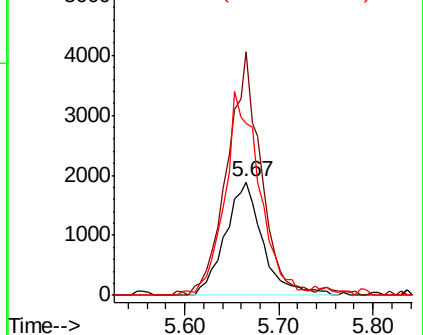
#31
Cyclohexane
Concen: 1.106 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005447.D
Acq: 19 Oct 2018 10:20

Instrument :
MSVOA_X
ClientSampled :
VX1019MBL01

Tot Ion: 56 Resp: 5205
Ion Ratio Lower Upper
56 100
69 215.1 25.4 38.2#
84 148.6 71.4 107.2#

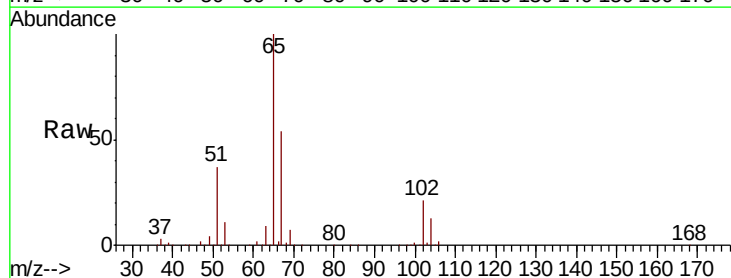


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

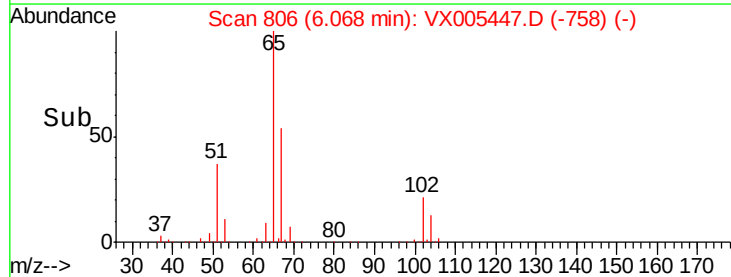
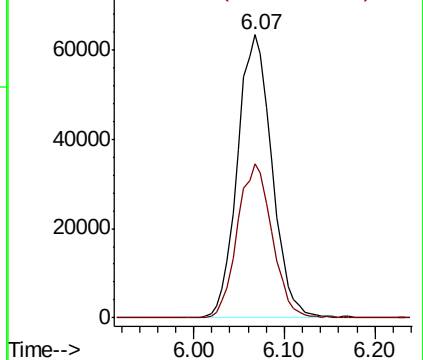


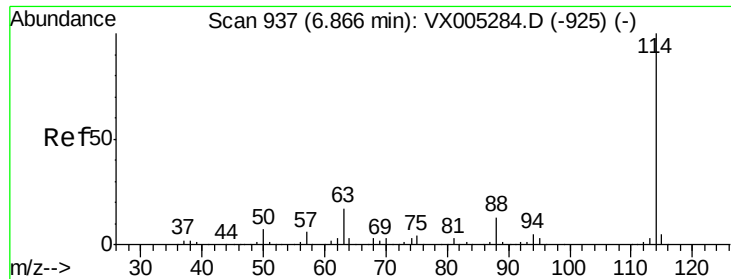
#33
1,2-Dichloroethane-d4
Concen: 48.633 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005447.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 65 Resp: 166479
Ion Ratio Lower Upper
65 100
67 54.9 0.0 106.8



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

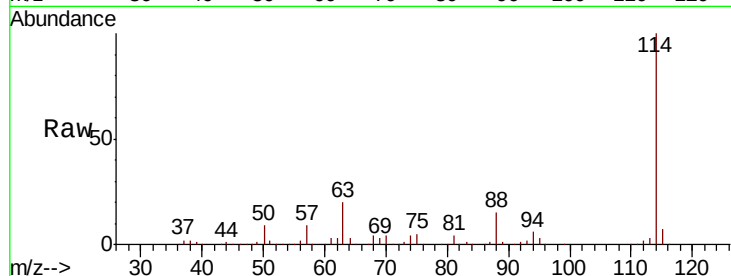




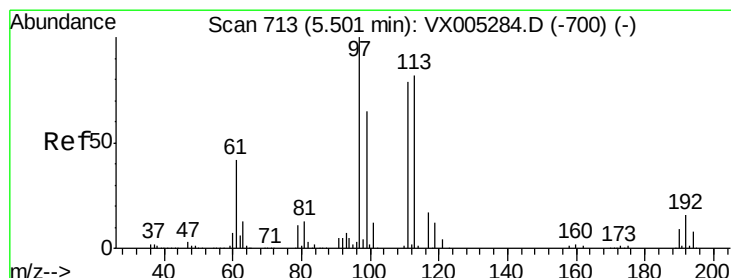
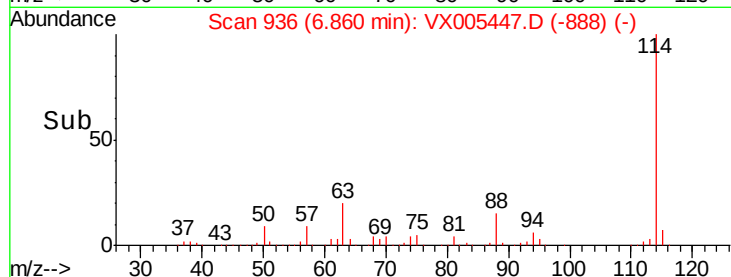
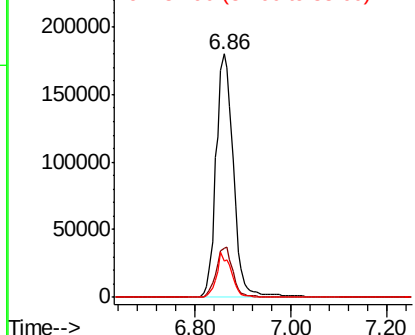
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBL01

Tot Ion:114 Resp: 453867
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 14.9 0.0 30.4

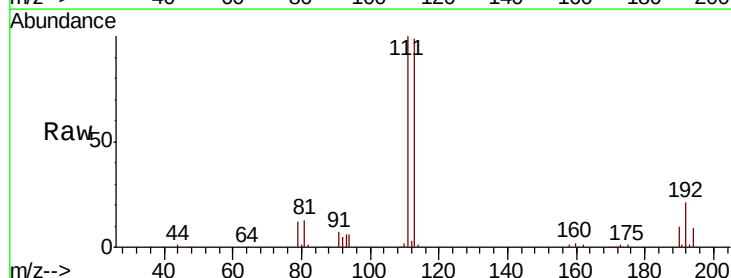


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

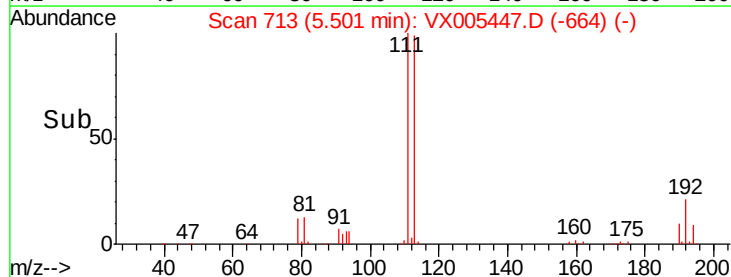
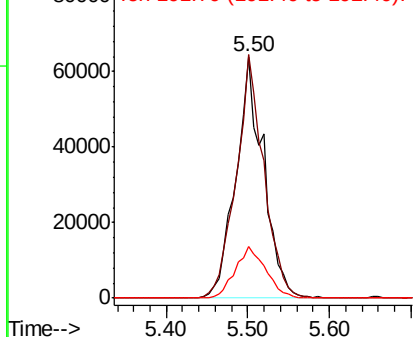


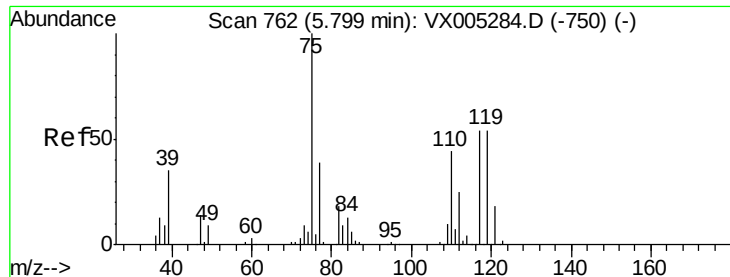
#35
 Dibromofluoromethane
 Concen: 49.990 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

Tgt Ion:113 Resp: 150273
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.4 123.6
 192 23.6 19.4 29.2



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

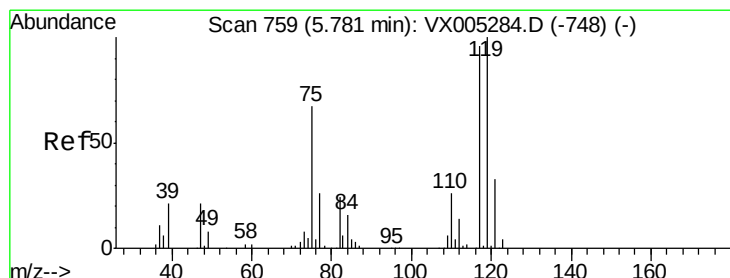
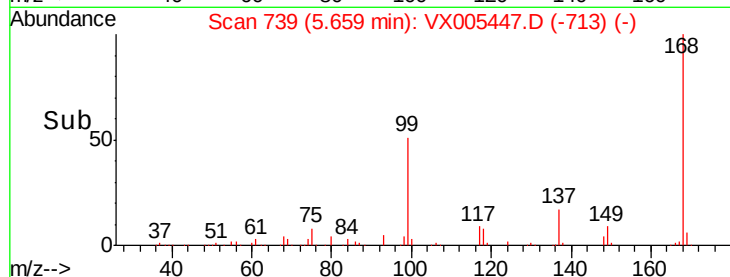
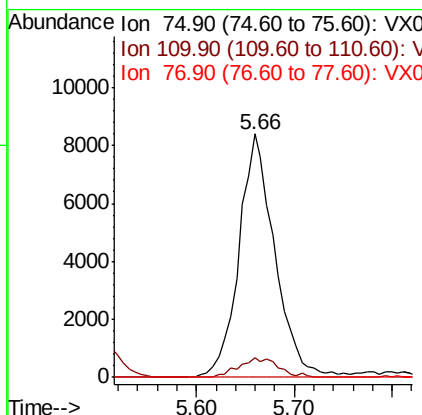
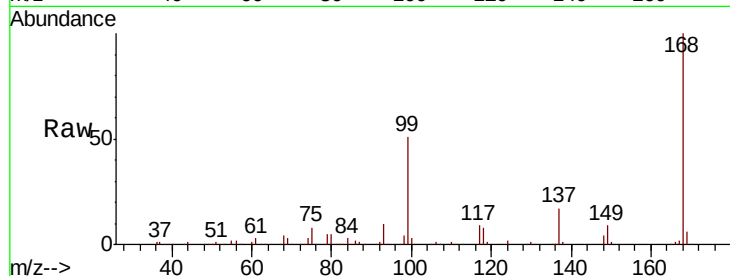




#36
 1,1-Dichloropropene
 Concen: 4.841 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

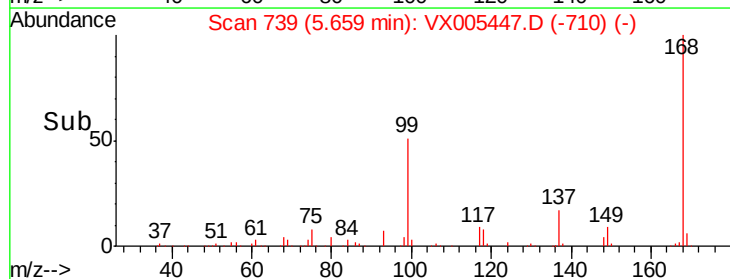
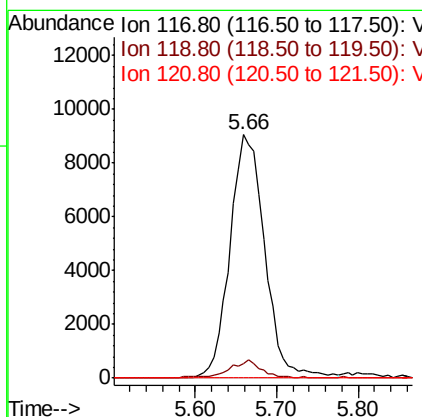
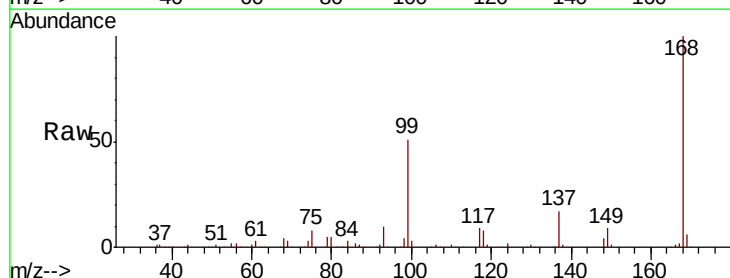
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBL01

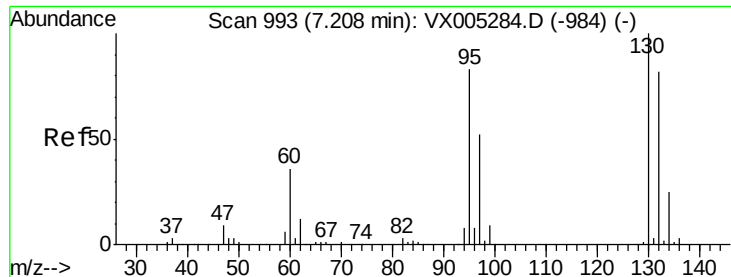
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.068 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.8	118.2#
121	0.0	24.9	37.3#





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

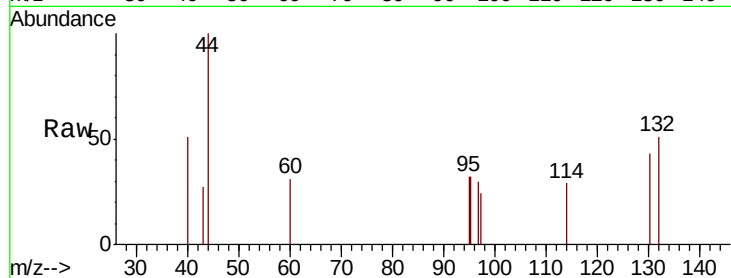
VX1019MBL01

Tot Ion:130 Resp: 195

Ion Ratio Lower Upper

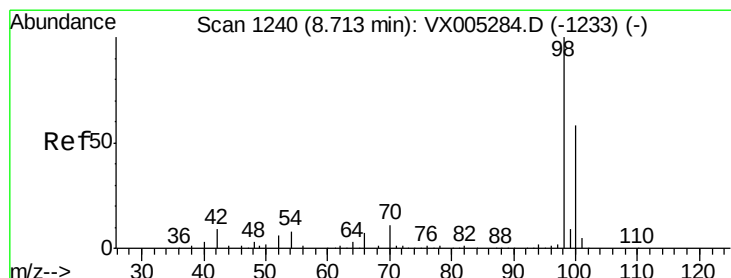
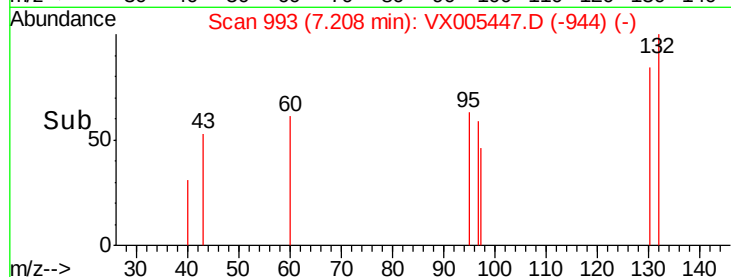
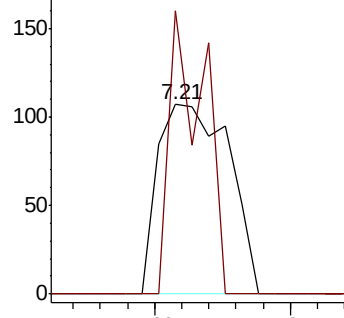
130 100

95 149.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.436 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005447.D

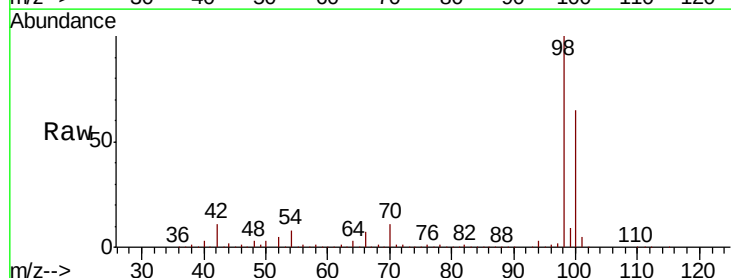
Acq: 19 Oct 2018 10:20

Tgt Ion: 98 Resp: 510187

Ion Ratio Lower Upper

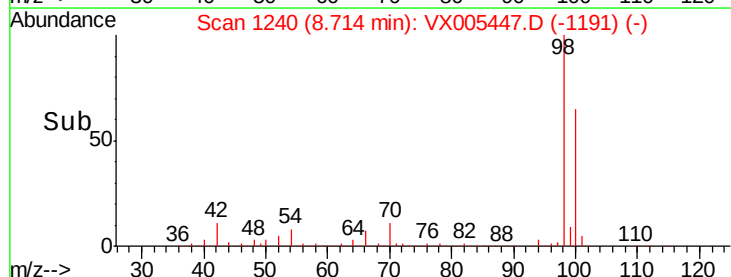
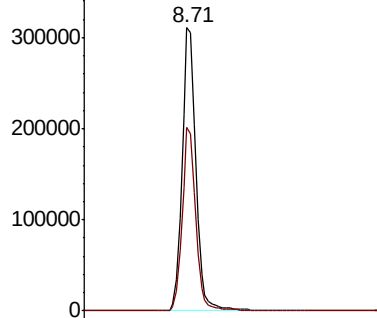
98 100

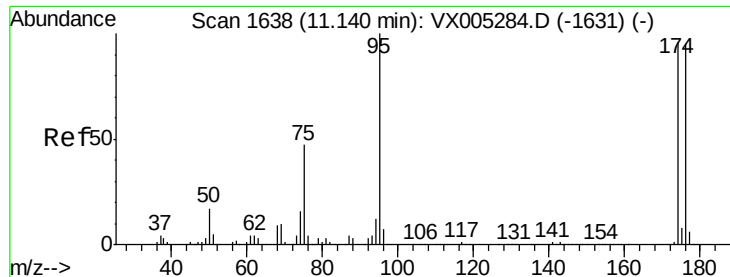
100 63.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.592 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBL01

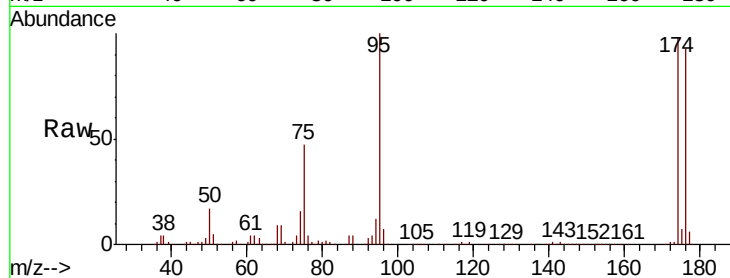
Tot Ion: 95 Resp: 169002

Ion Ratio Lower Upper

95 100

174 96.3 0.0 185.2

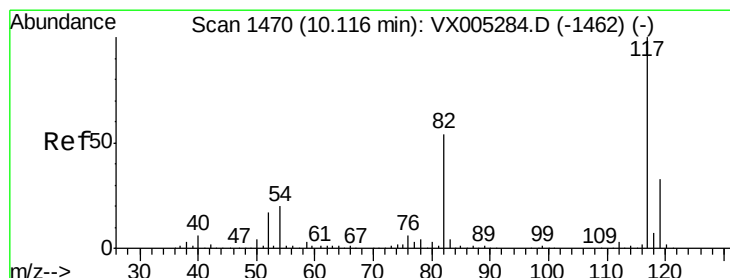
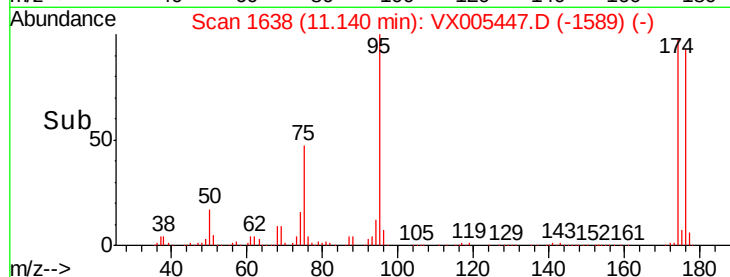
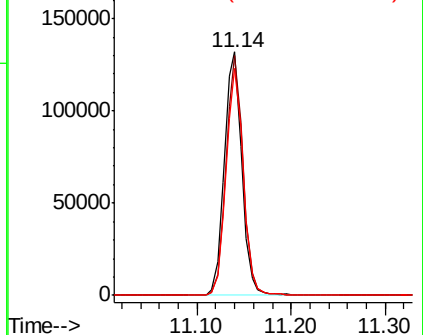
176 92.0 0.0 178.6



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: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

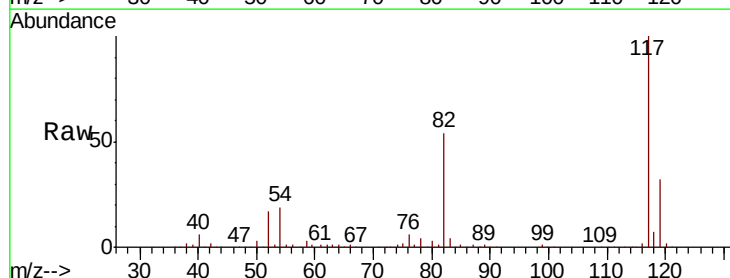
Tgt Ion: 117 Resp: 382565

Ion Ratio Lower Upper

117 100

82 53.7 47.8 71.6

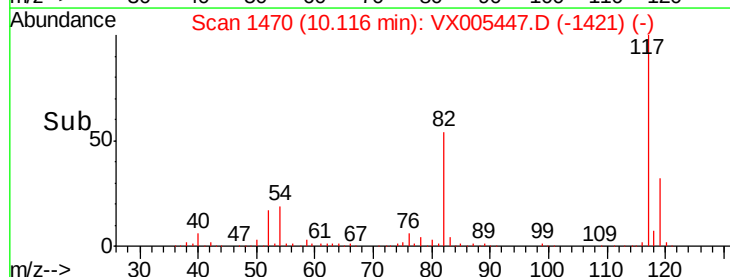
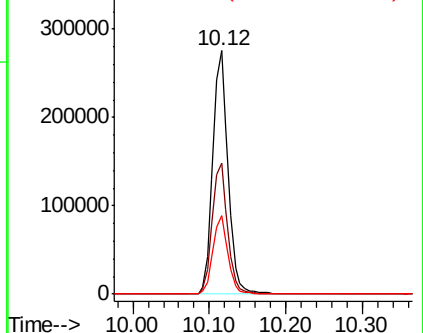
119 32.2 29.3 43.9

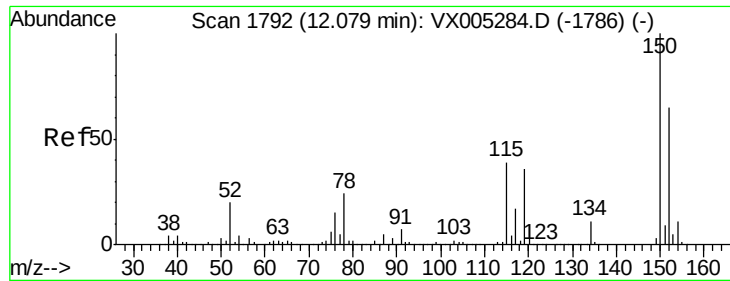


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

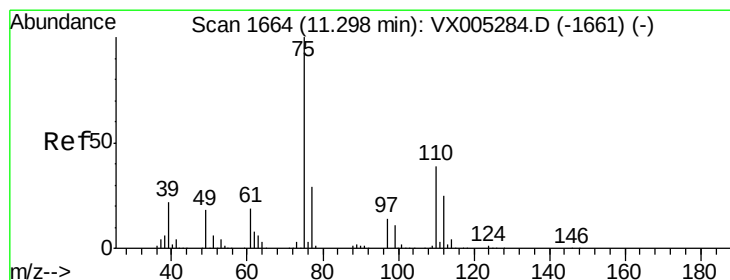
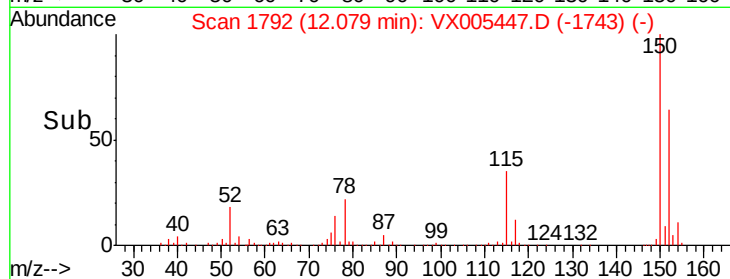
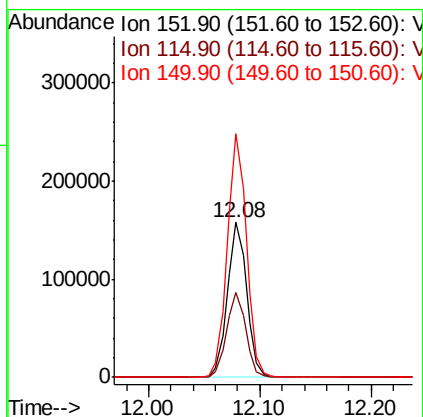
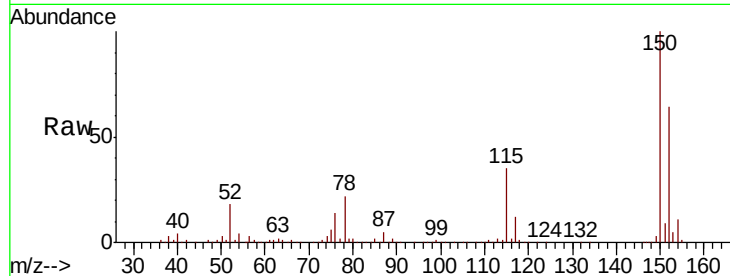




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

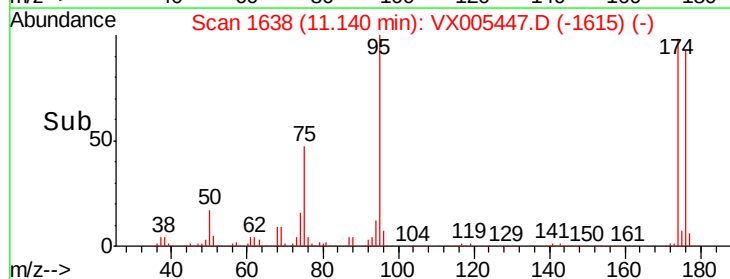
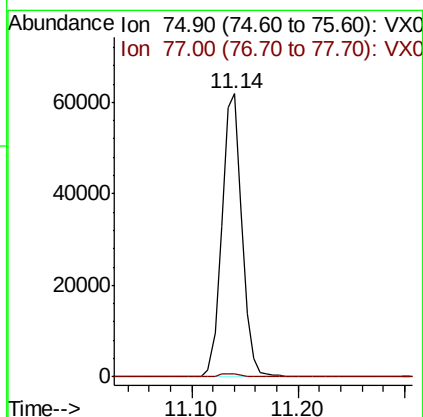
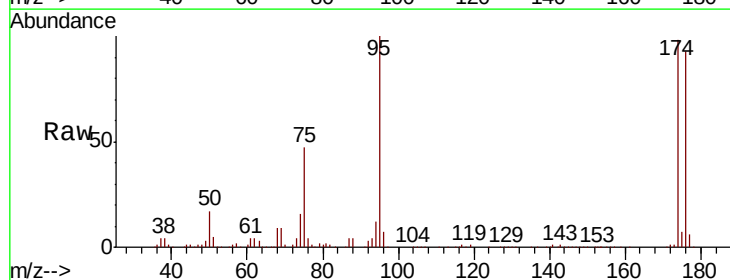
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBL01

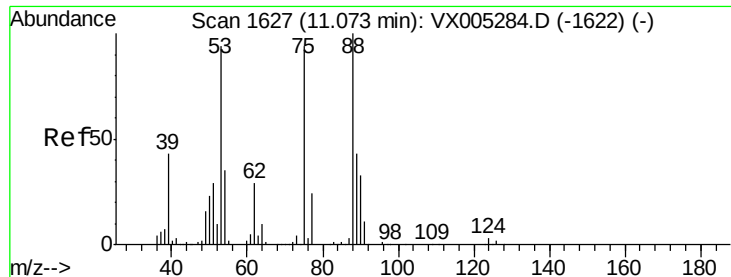
Tot Ion:152 Resp: 188599
 Ion Ratio Lower Upper
 152 100
 115 54.9 39.0 117.0
 150 157.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 22.311 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005447.D
 Acq: 19 Oct 2018 10:20

Tgt Ion: 75 Resp: 81619
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 67.791 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBL01

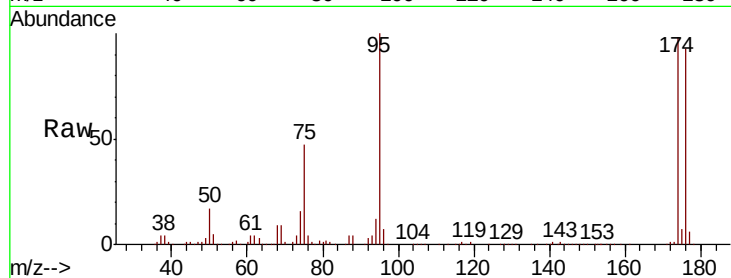
Tot Ion: 75 Resp: 81619

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

