

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007794.D
 Acq On : 01 Mar 2019 17:13
 Operator : JC/SP
 Sample : K1701-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T5-OZ(PRE)

Quant Time: Mar 01 22:21:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	327217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	505783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	483243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228590	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	185598	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	
35) Dibromofluoromethane	5.51	113	166809	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	621747	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	11.13	95	223903	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	

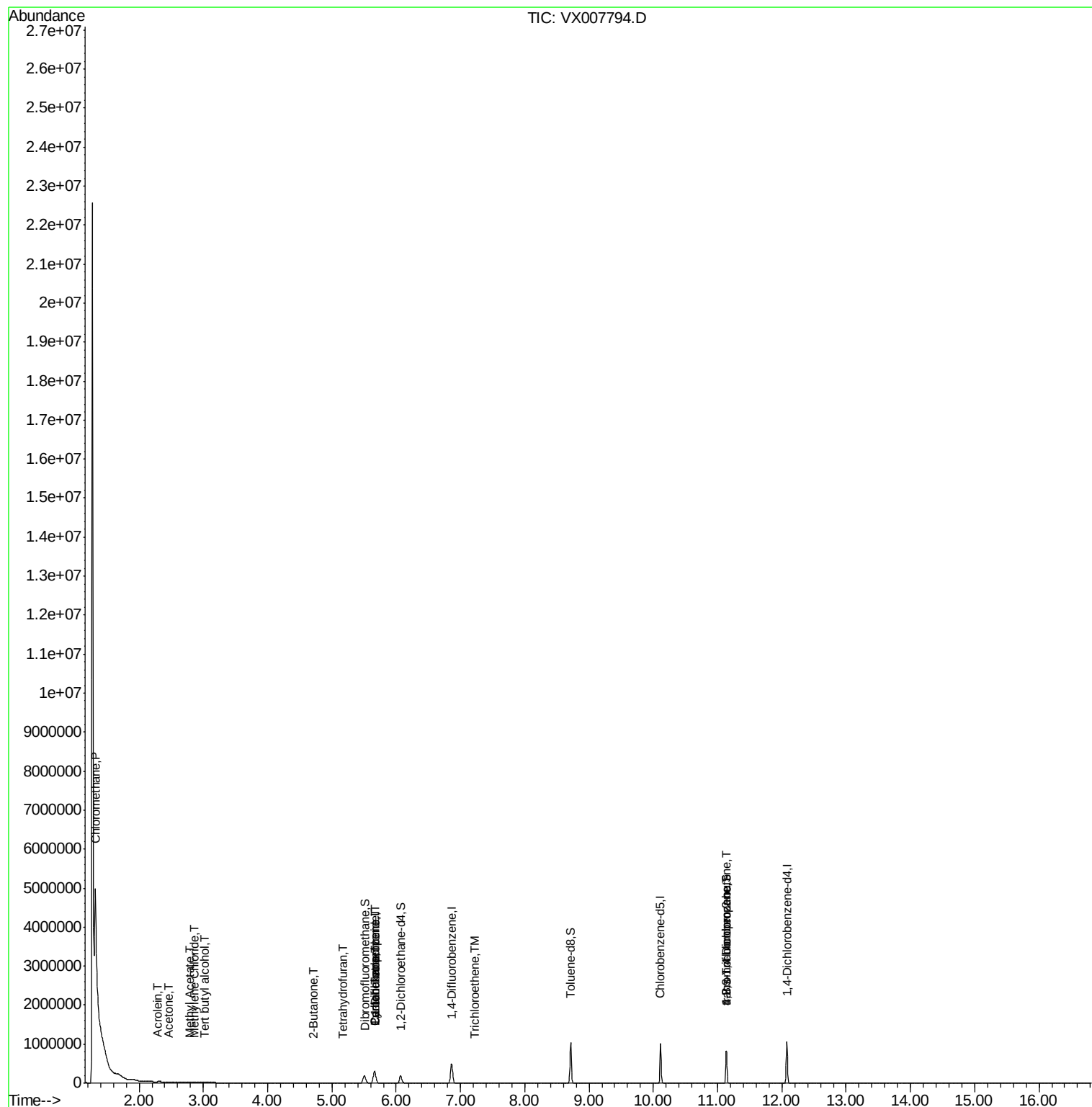
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	342555	102.552	ug/l #	43
5) Bromomethane	1.65	94	429	Below Cal		95
11) Tert butyl alcohol	3.02	59	1948	2.533	ug/l #	73
13) Acrolein	2.29	56	156	0.228	ug/l	95
16) Acetone	2.45	43	3791	2.103	ug/l	97
18) Methyl Acetate	2.78	43	1109	0.282	ug/l	99
20) Methylene Chloride	2.85	84	885	0.266	ug/l #	90
25) 2-Butanone	4.71	43	617	0.225	ug/l #	85
29) Tetrahydrofuran	5.16	42	1151	0.636	ug/l #	85
31) Cyclohexane	5.67	56	5337	0.948	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20763	4.566	ug/l #	47
38) Carbon Tetrachloride	5.67	117	28173	6.168	ug/l #	17
44) Trichloroethene	7.21	130	931	0.241	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	104447	21.436	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	104447	56.995	ug/l #	9

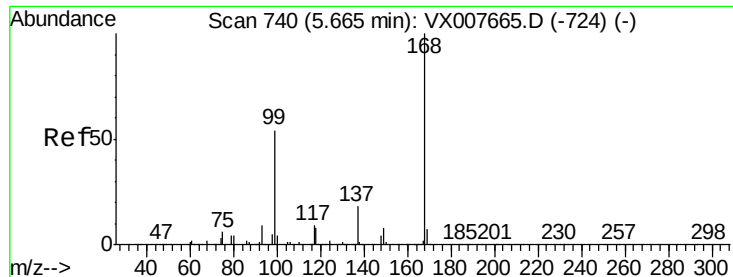
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007794.D

Acq: 01 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

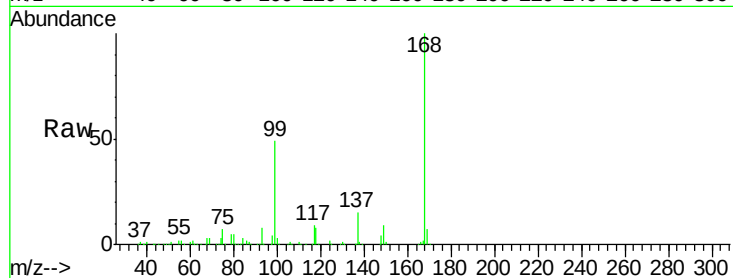
M2-T5-OZ(PRE)

Tot Ion:168 Resp: 327217

Ion Ratio Lower Upper

168 100

99 49.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

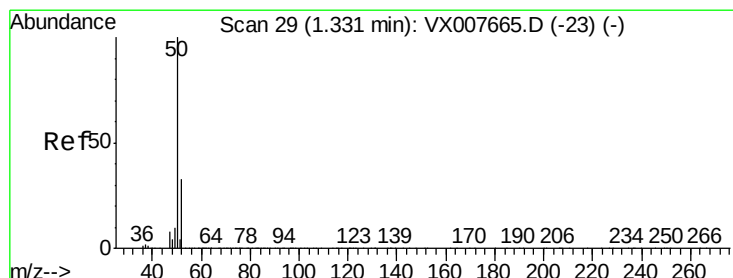
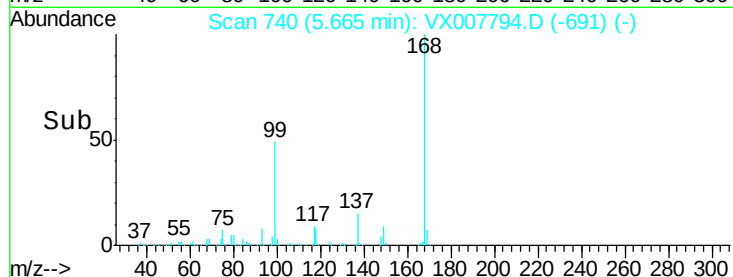
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 102.552 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX007794.D

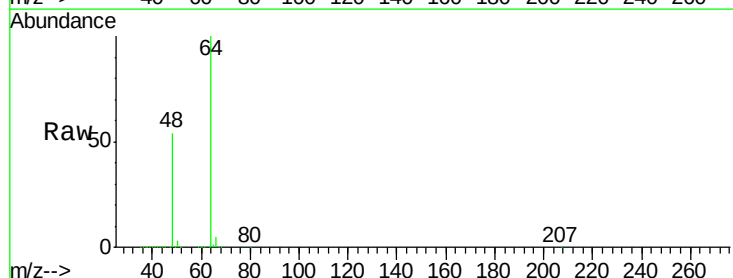
Acq: 01 Mar 2019 17:13

Tgt Ion: 50 Resp: 342555

Ion Ratio Lower Upper

50 100

52 0.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

600000

500000

400000

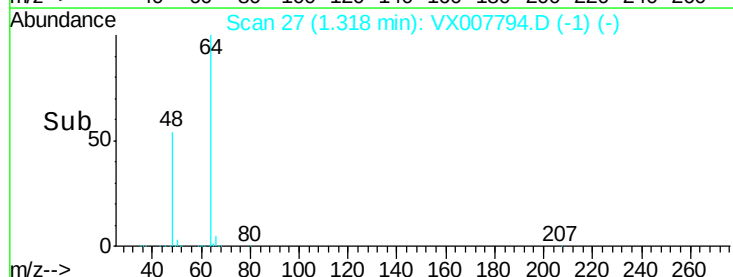
300000

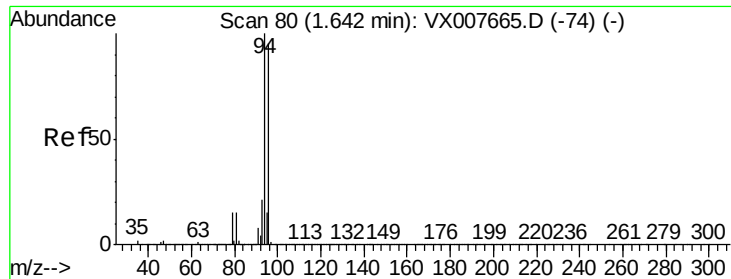
200000

100000

0

Time--> 1.20 1.40 1.60





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007794.D

Acq: 01 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

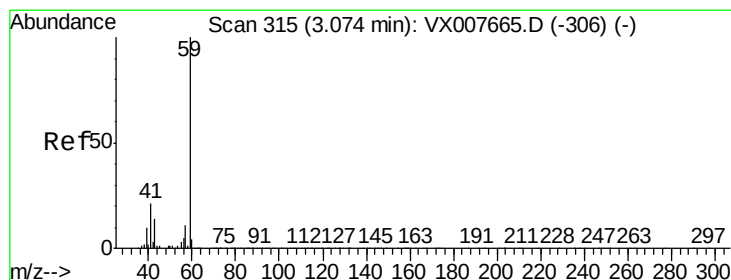
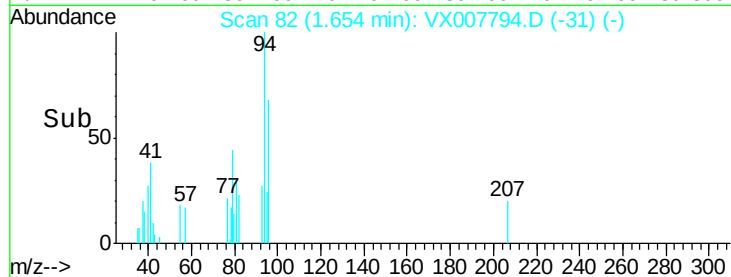
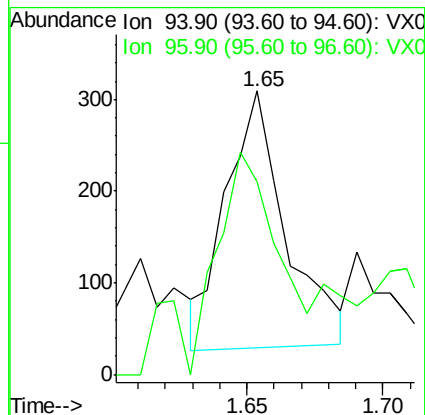
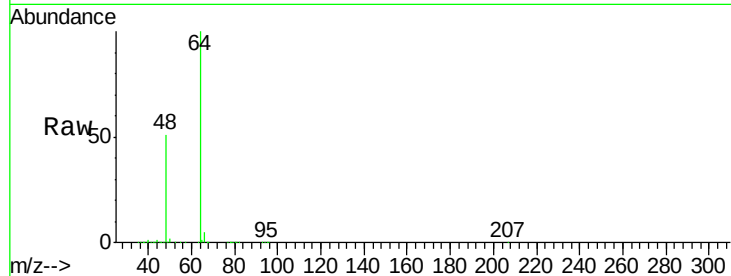
M2-T5-OZ(PRE)

Tot Ion: 94 Resp: 429

Ion Ratio Lower Upper

94 100

96 87.9 73.9 110.9



#11

Tert butyl alcohol

Concen: 2.533 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX007794.D

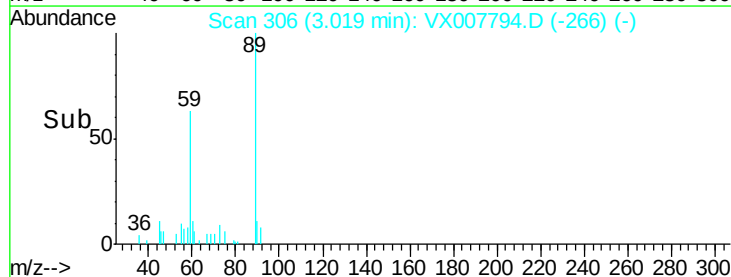
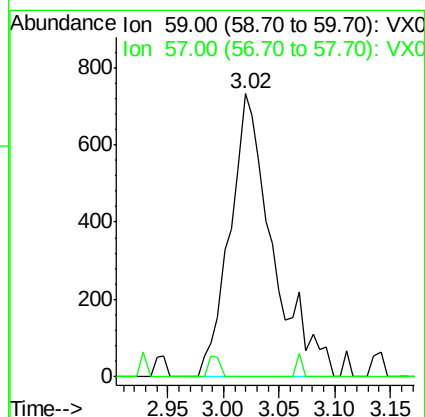
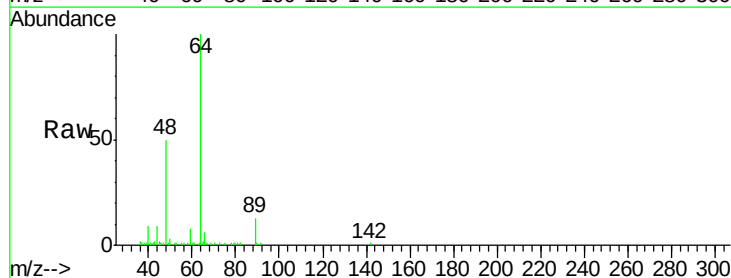
Acq: 01 Mar 2019 17:13

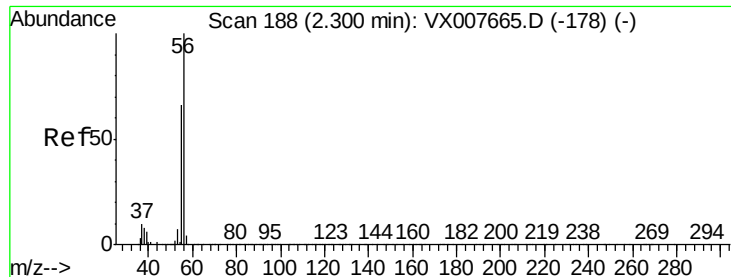
Tgt Ion: 59 Resp: 1948

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#13

Acrolein

Concen: 0.228 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007794.D

Acq: 01 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

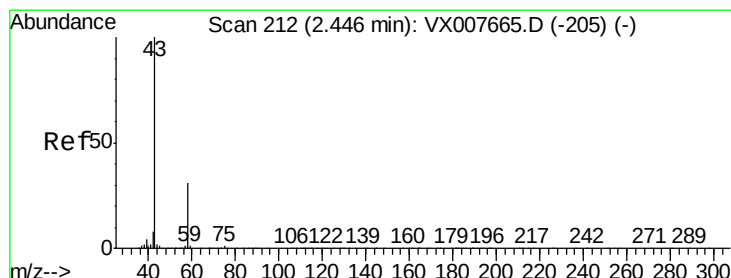
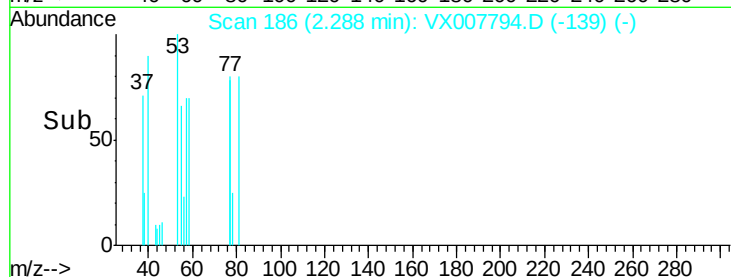
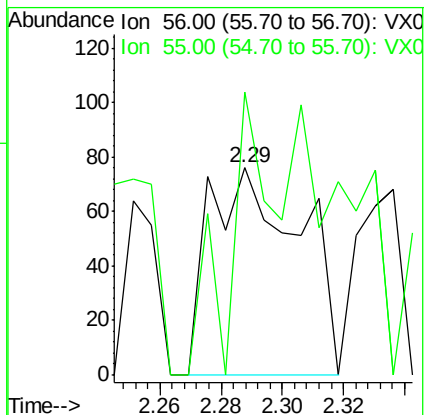
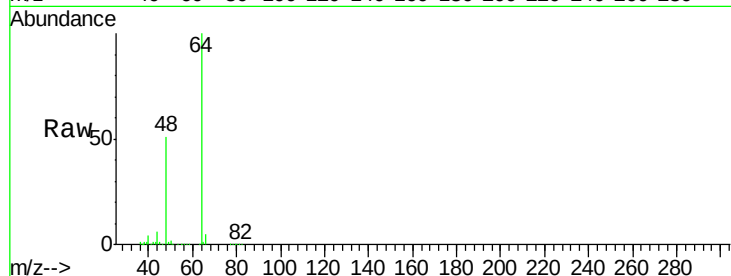
M2-T5-OZ(PRE)

Tot Ion: 56 Resp: 156

Ion Ratio Lower Upper

56 100

55 66.7 56.9 85.3



#16

Acetone

Concen: 2.103 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007794.D

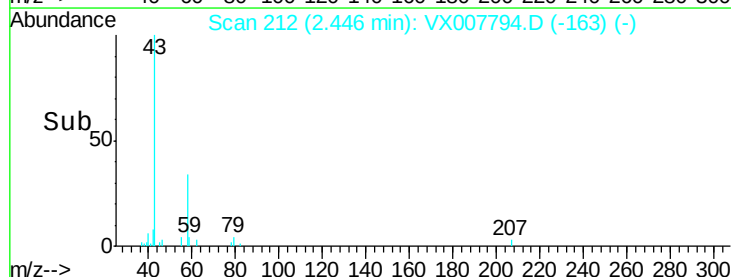
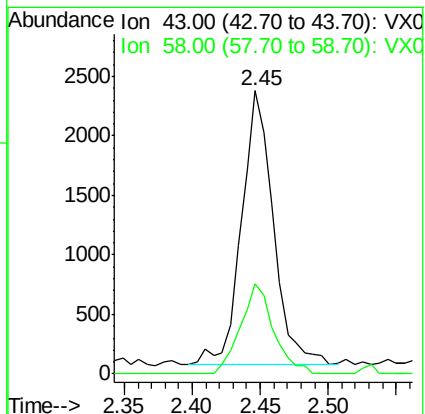
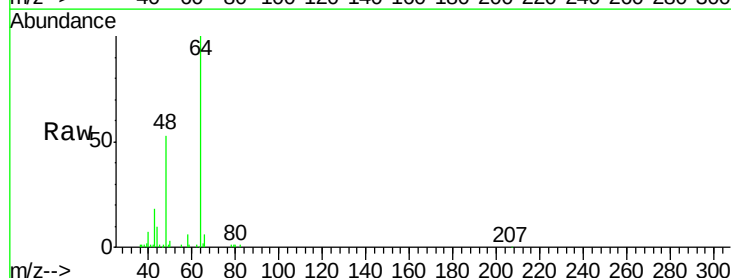
Acq: 01 Mar 2019 17:13

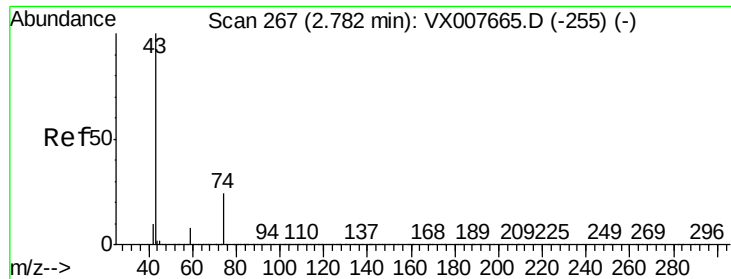
Tgt Ion: 43 Resp: 3791

Ion Ratio Lower Upper

43 100

58 32.8 24.9 37.3

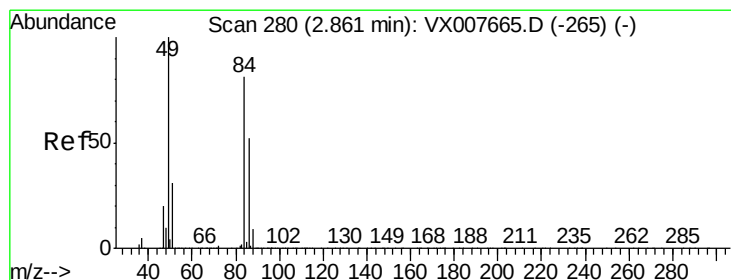
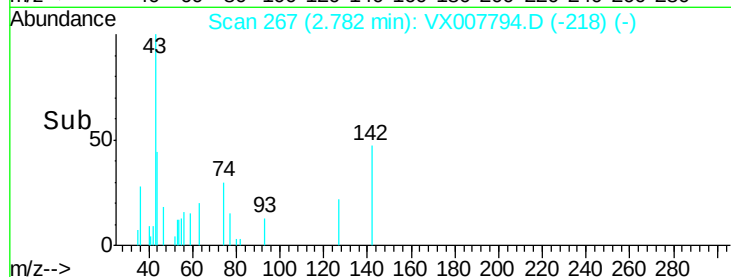
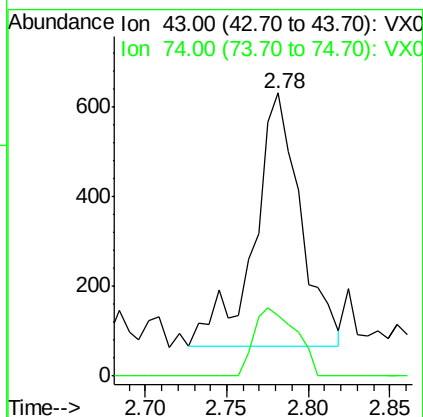
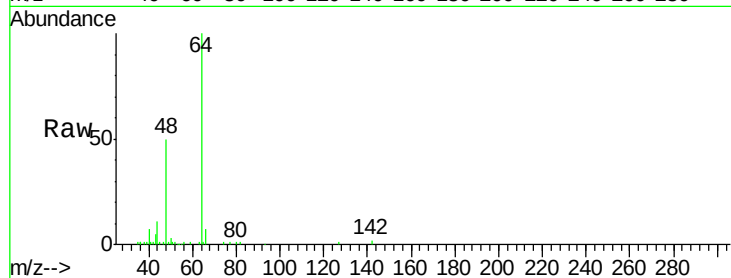




#18
Methyl Acetate
Concen: 0.282 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007794.D
Acq: 01 Mar 2019 17:13

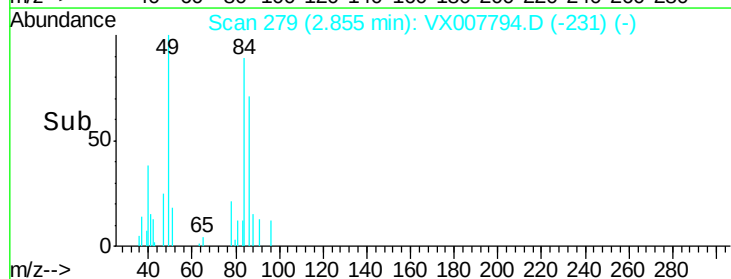
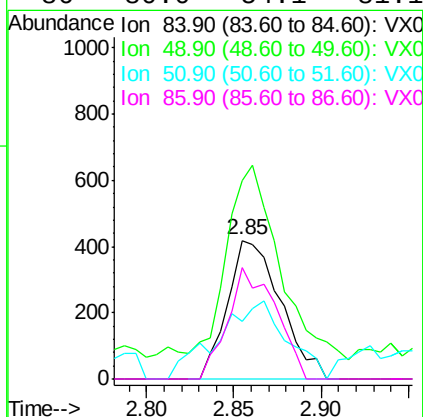
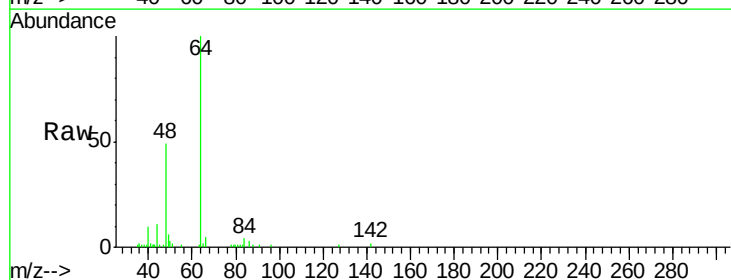
Instrument :
MSVOA_X
ClientSampleId :
M2-T5-OZ(PRE)

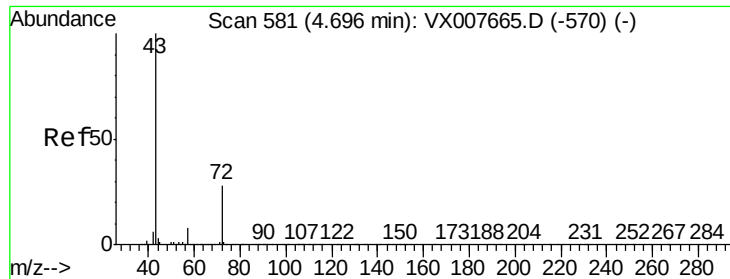
Tot Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
74 24.6 19.4 29.2



#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007794.D
Acq: 01 Mar 2019 17:13

Tgt Ion: 84 Resp: 885
Ion Ratio Lower Upper
84 100
49 124.8 94.8 142.2
51 27.9 29.8 44.8#
86 80.0 54.1 81.1

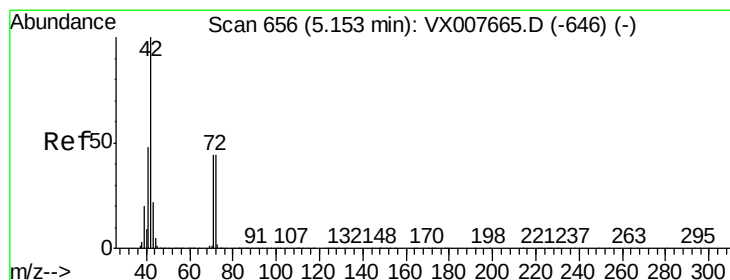
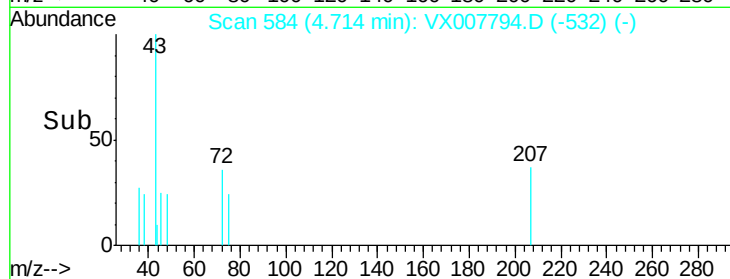
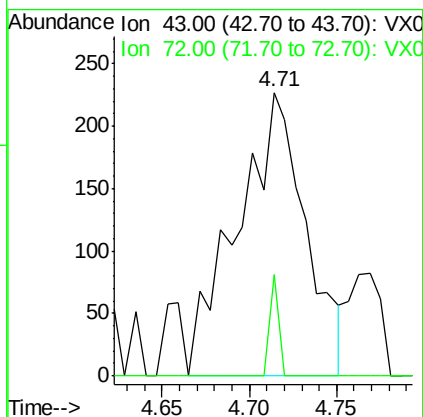
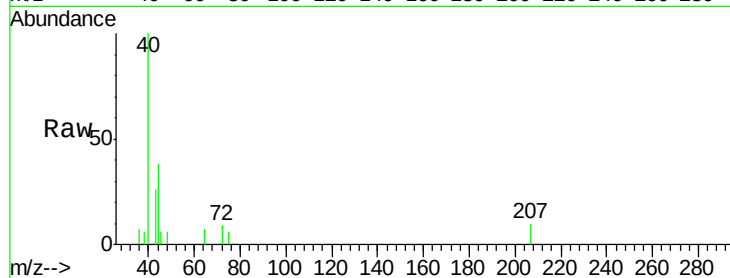




#25
2-Butanone
Concen: 0.225 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.02 min
Lab File: VX007794.D
Acq: 01 Mar 2019 17:13

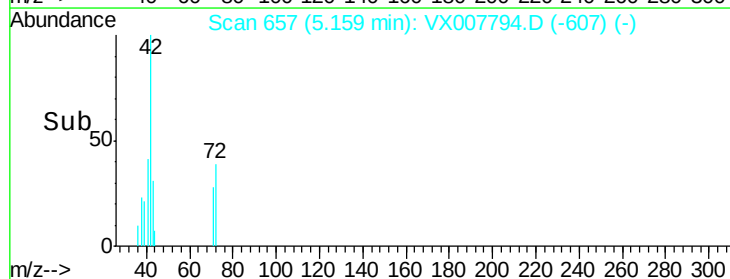
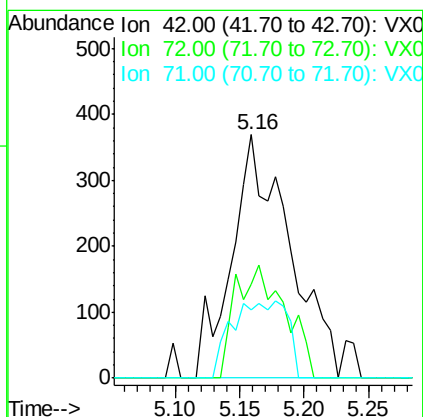
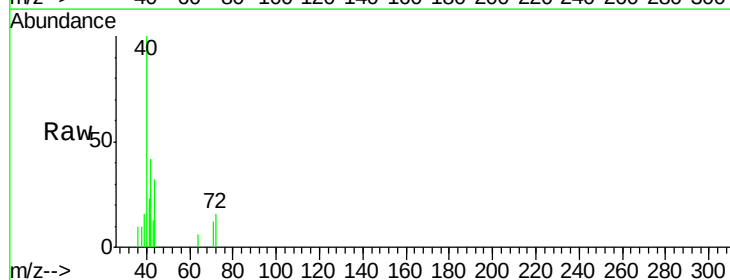
Instrument :
MSVOA_X
ClientSampleId :
M2-T5-OZ(PRE)

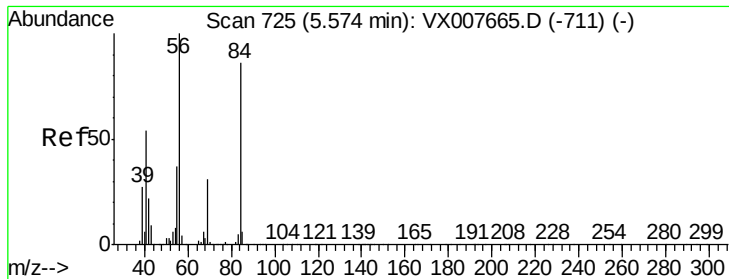
Tot Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
72 35.7 22.2 33.2#



#29
Tetrahydrofuran
Concen: 0.636 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007794.D
Acq: 01 Mar 2019 17:13

Tgt Ion: 42 Resp: 1151
Ion Ratio Lower Upper
42 100
72 39.9 37.6 56.4
71 30.6 34.6 51.8#

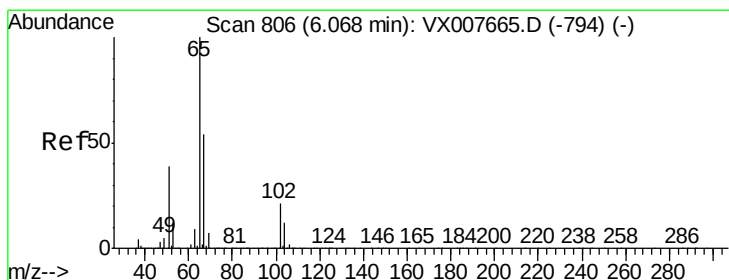
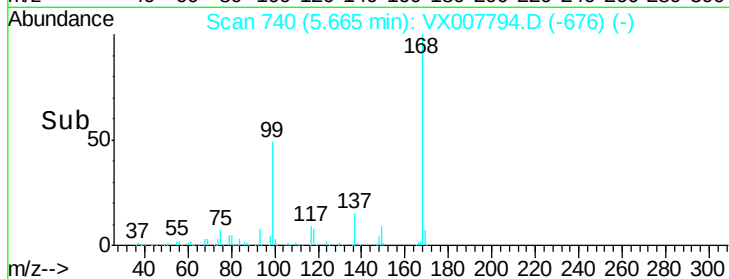
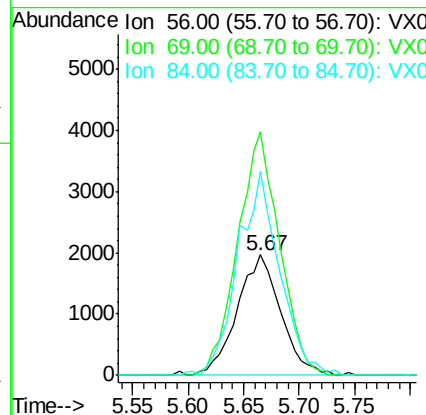
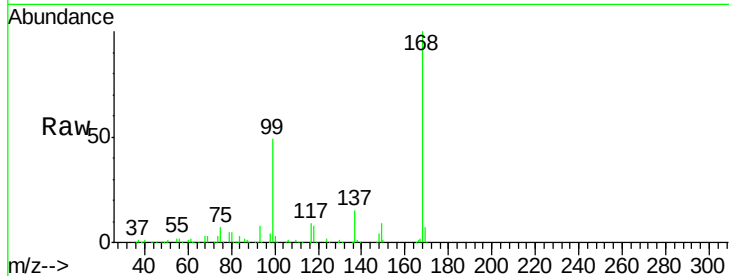




#31
Cyclohexane
Concen: 0.948 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007794.D
Acq: 01 Mar 2019 17:13

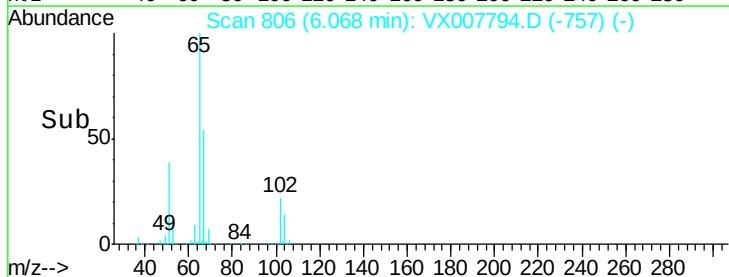
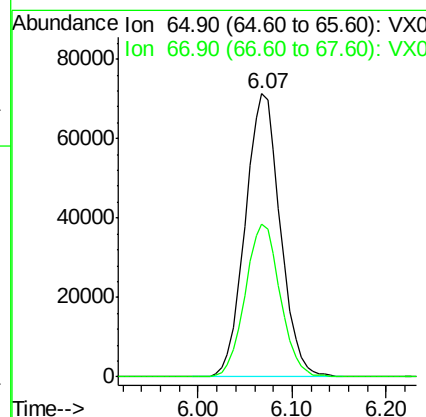
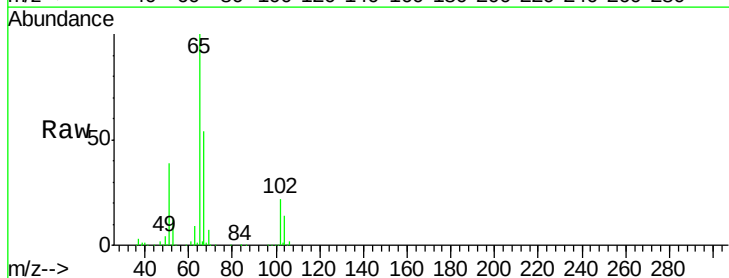
Instrument :
MSVOA_X
ClientSampleId :
M2-T5-OZ(PRE)

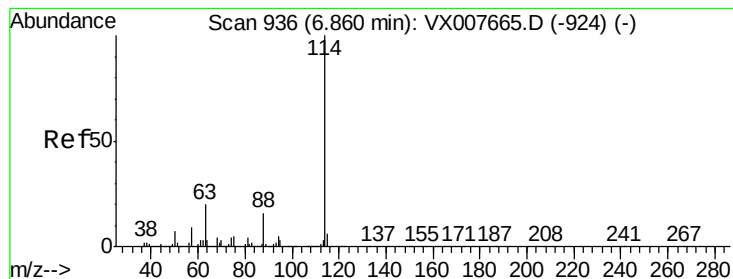
Tot Ion: 56 Resp: 5337
Ion Ratio Lower Upper
56 100
69 202.0 23.0 34.6#
84 169.6 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 45.791 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007794.D
Acq: 01 Mar 2019 17:13

Tgt Ion: 65 Resp: 185598
Ion Ratio Lower Upper
65 100
67 54.0 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007794.D

Acq: 01 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-OZ(PRE)

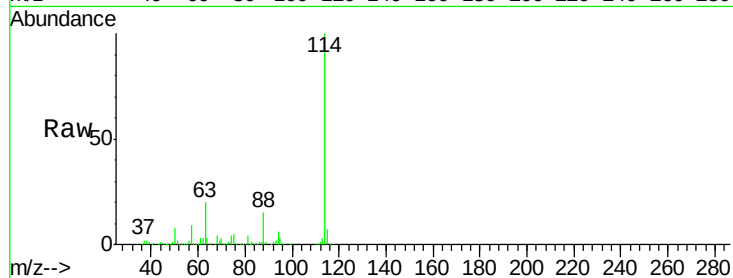
Tot Ion:114 Resp: 505783

Ion Ratio Lower Upper

114 100

63 20.2 0.0 35.6

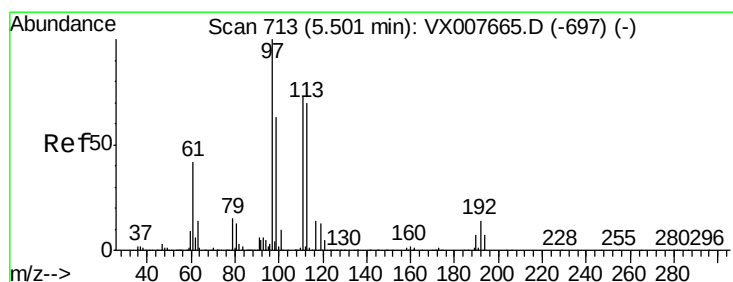
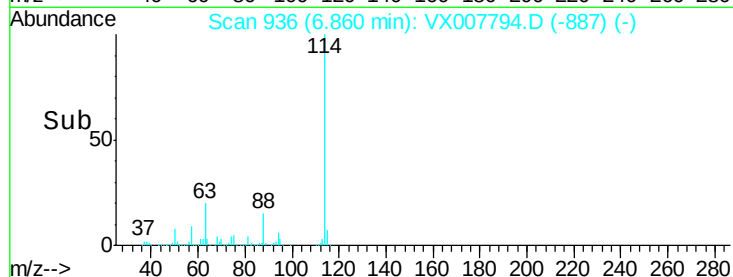
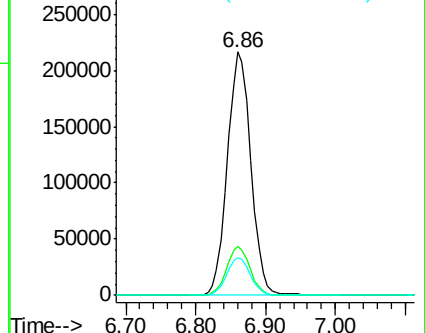
88 15.4 0.0 29.6



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: 49.337 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007794.D

Acq: 01 Mar 2019 17:13

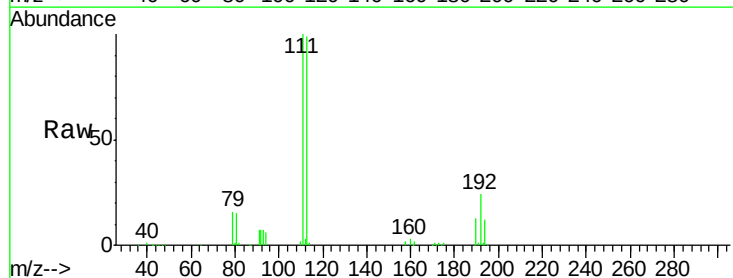
Tgt Ion:113 Resp: 166809

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

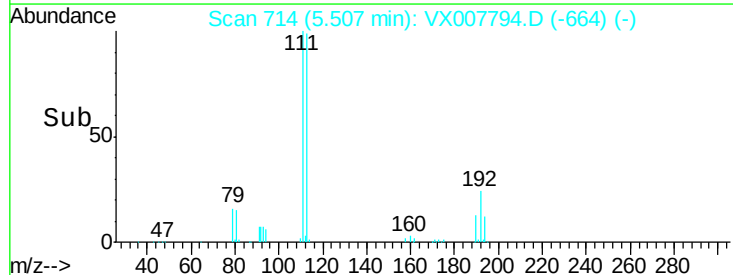
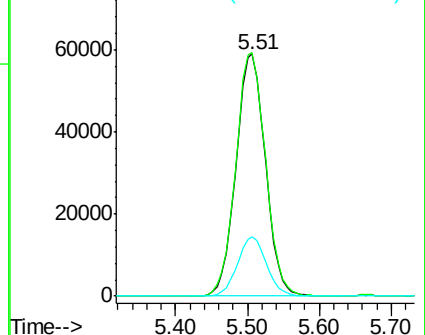
192 24.1 18.5 27.7

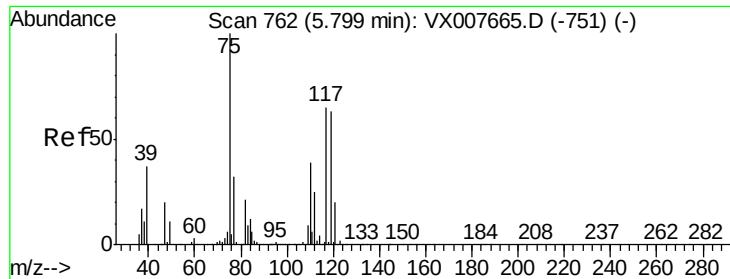


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

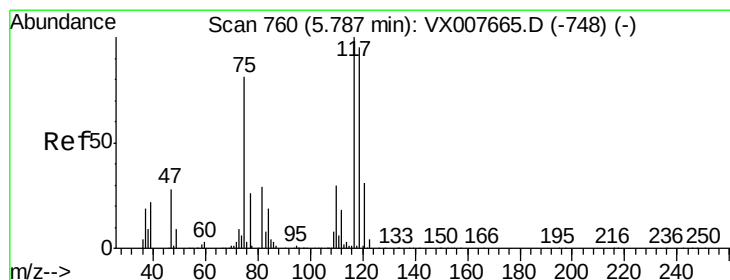
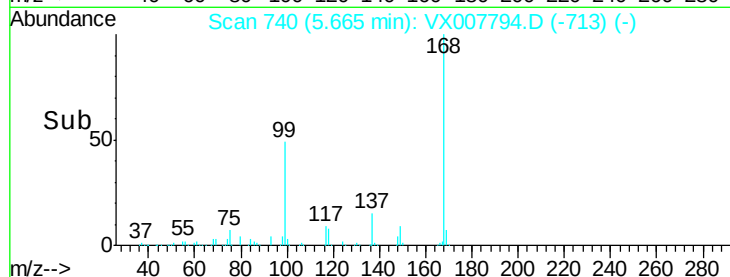
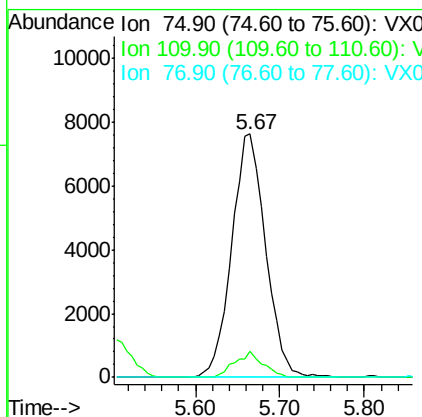
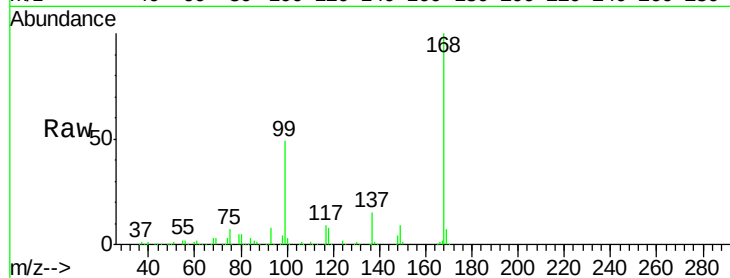




#36
 1,1-Dichloropropene
 Concen: 4.566 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007794.D
 Acq: 01 Mar 2019 17:13

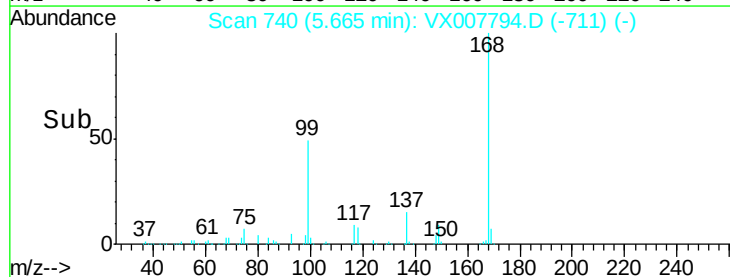
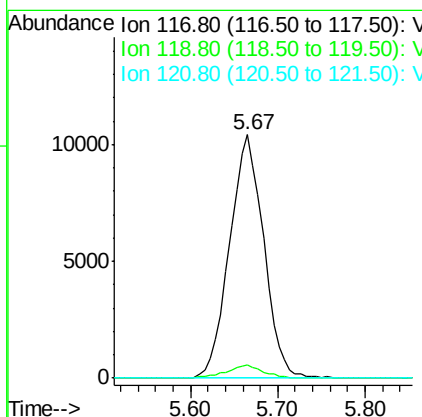
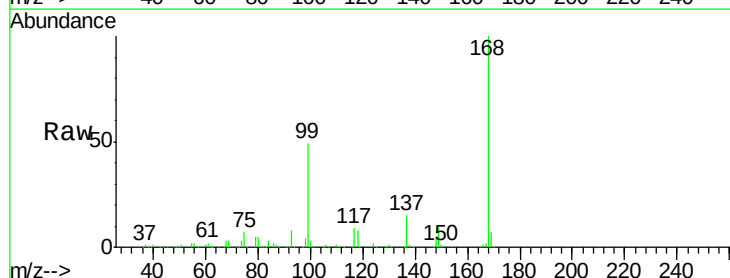
Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T5-OZ(PRE)

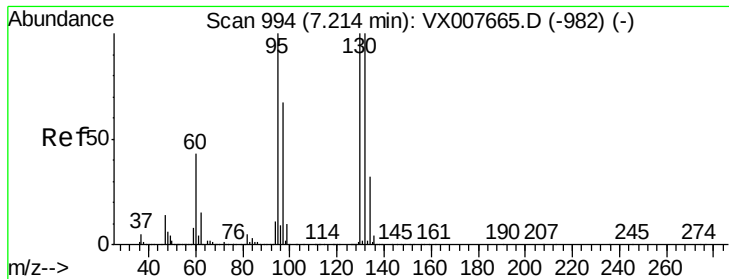
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	20.0	59.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.168 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007794.D
 Acq: 01 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.3	112.9#
121	0.0	25.0	37.4#





#44

Trichloroethene

Concen: 0.241 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007794.D

Acq: 01 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

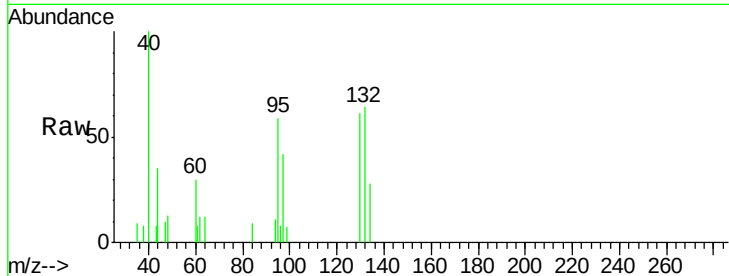
M2-T5-OZ(PRE)

Tot Ion:130 Resp: 931

Ion Ratio Lower Upper

130 100

95 95.6 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

400

300

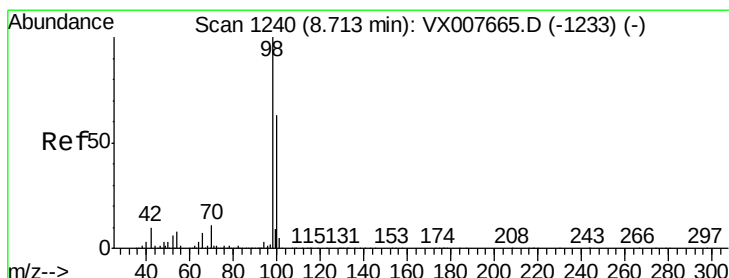
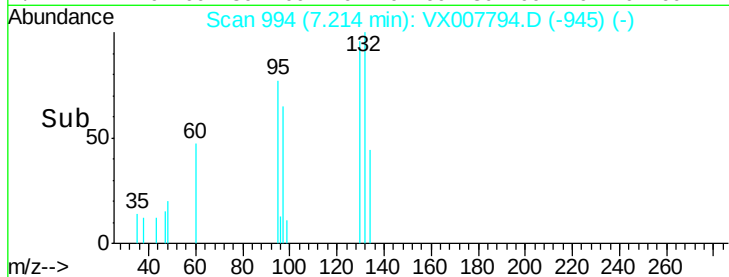
200

100

0

7.15 7.20 7.25

Time-->



#50

Toluene-d8

Concen: 48.034 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007794.D

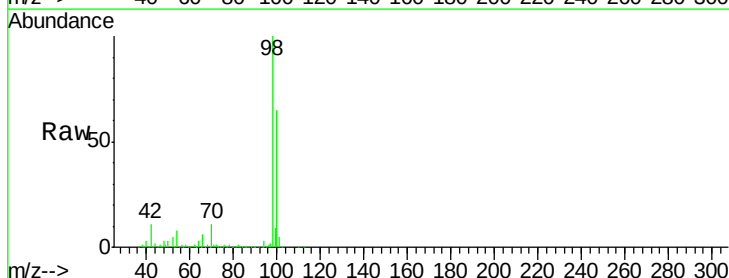
Acq: 01 Mar 2019 17:13

Tgt Ion: 98 Resp: 621747

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

400000

300000

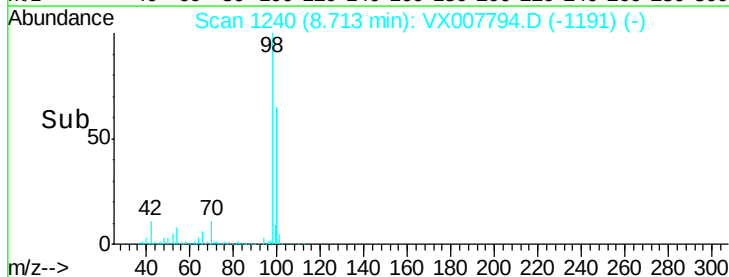
200000

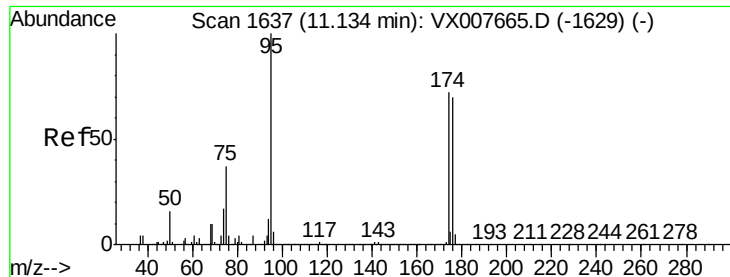
100000

0

8.60 8.70 8.80 8.90

Time-->





#62

4-Bromofluorobenzene

Concen: 47.129 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007794.D

Acq: 01 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-OZ(PRE)

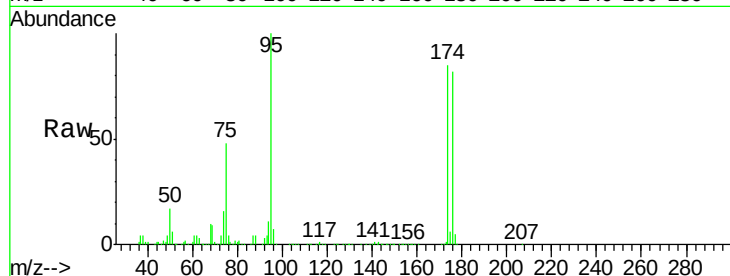
Tot Ion: 95 Resp: 223903

Ion Ratio Lower Upper

95 100

174 92.2 0.0 189.2

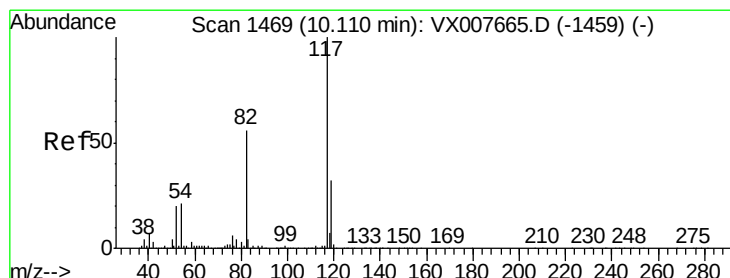
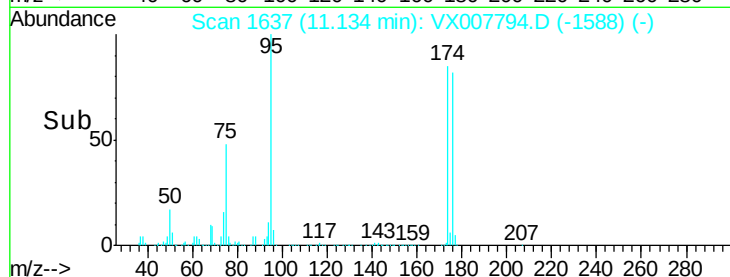
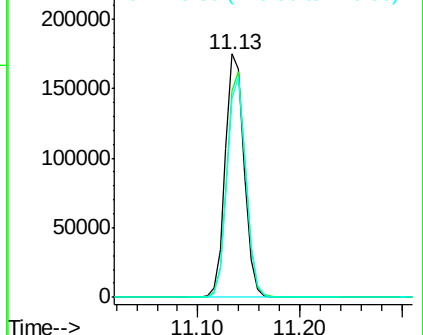
176 89.4 0.0 186.2



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: VX007794.D

Acq: 01 Mar 2019 17:13

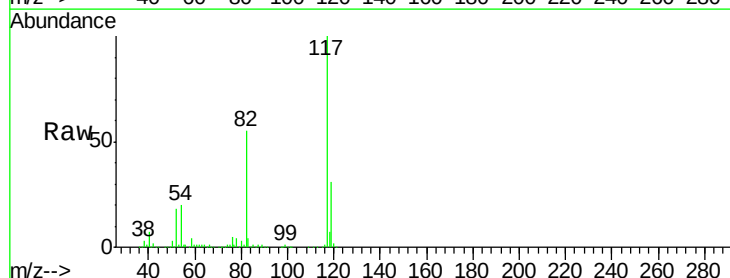
Tgt Ion: 117 Resp: 483243

Ion Ratio Lower Upper

117 100

82 54.6 42.1 63.1

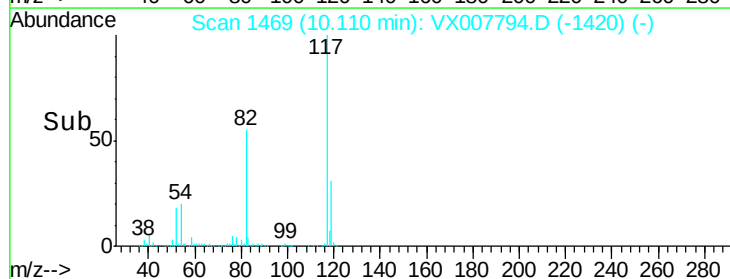
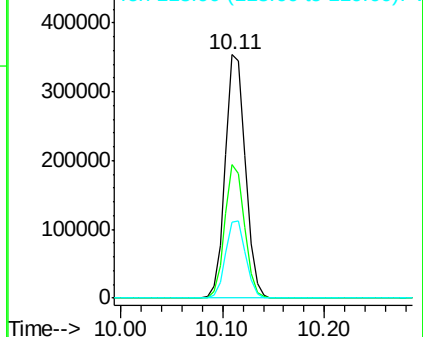
119 31.4 26.5 39.7

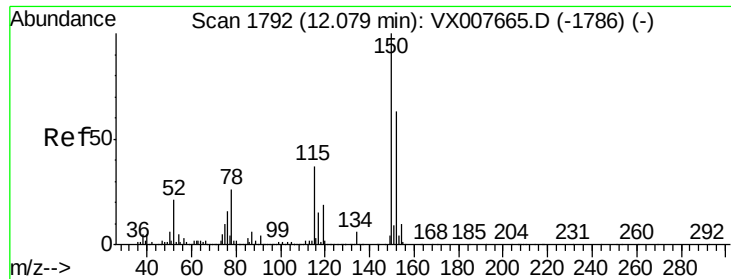


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

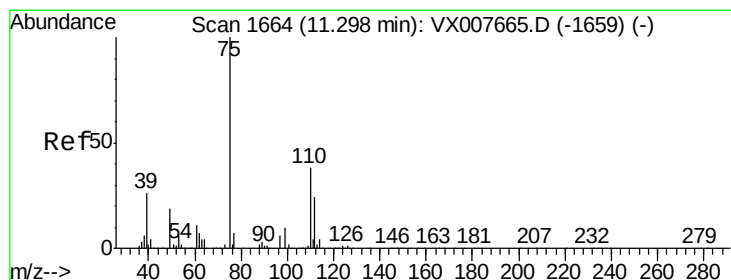
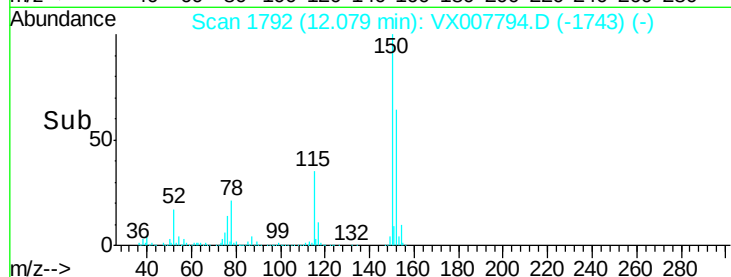
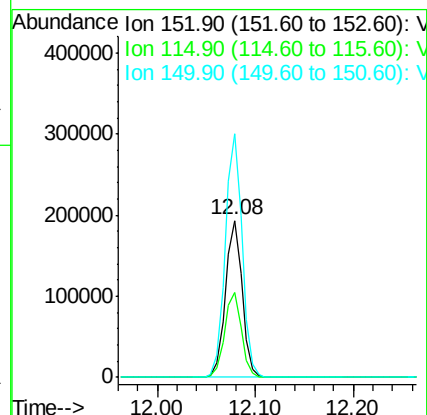
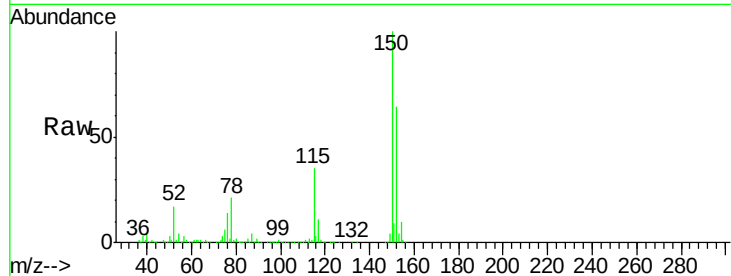




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX007794.D
 Acq: 01 Mar 2019 17:13

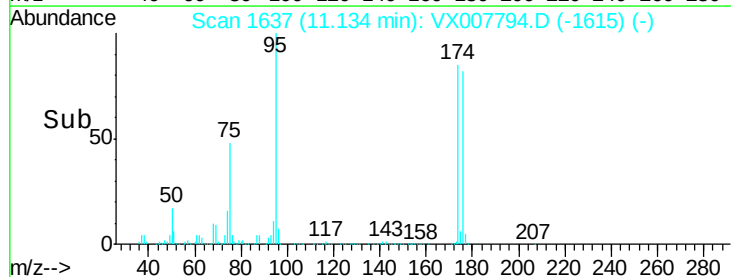
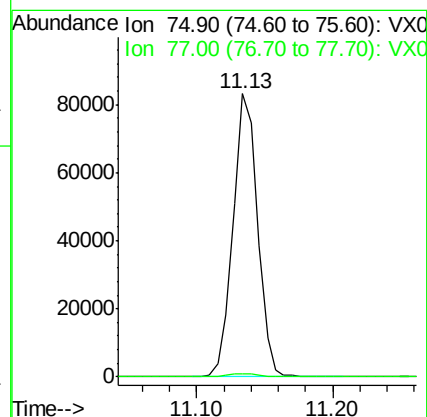
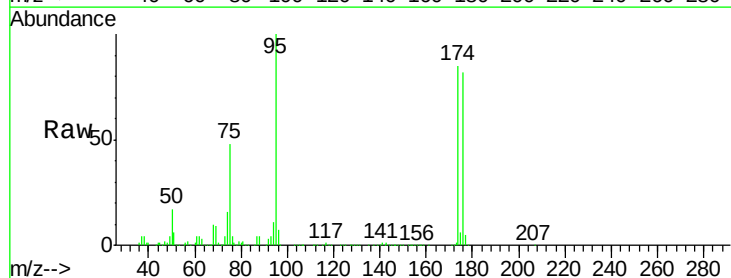
Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T5-OZ(PRE)

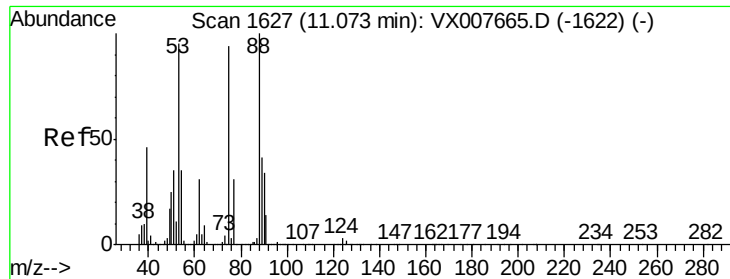
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	38.0	114.0
150	156.6	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 21.436 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007794.D
 Acq: 01 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	23.0	69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 56.995 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007794.D

Acq: 01 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-OZ(PRE)

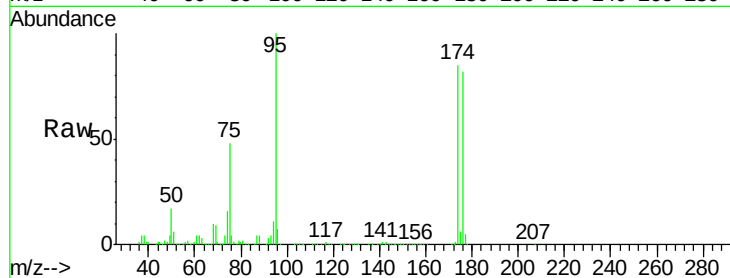
Tot Ion: 75 Resp: 104447

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#



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

