

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010484.D
 Acq On : 27 Jun 2019 13:22
 Operator : JC/SP
 Sample : K3585-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:46:42 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	5.67	168	245380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377718	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160032	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	116515	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
35) Dibromofluoromethane	5.50	113	116054	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
50) Toluene-d8	8.71	98	448374	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.13	95	150420	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	

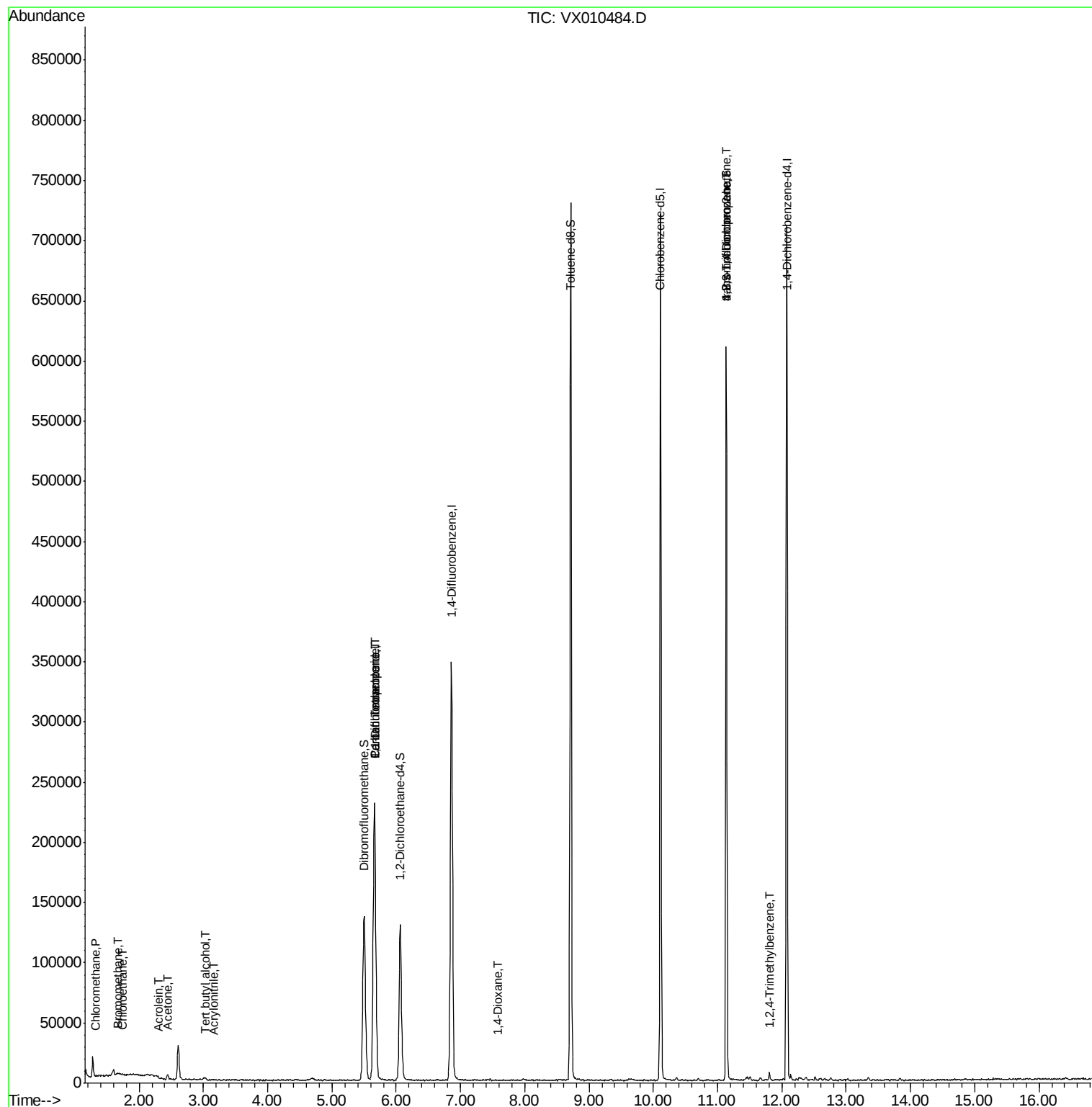
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	446	0.225	ug/l #	73
5) Bromomethane	1.66	94	539	0.508	ug/l #	36
6) Chloroethane	1.73	64	315	0.245	ug/l #	59
11) Tert butyl alcohol	3.03	59	1549	2.573	ug/l #	82
13) Acrolein	2.31	56	226	0.566	ug/l #	80
15) Acrylonitrile	3.16	53	365	0.306	ug/l #	42
16) Acetone	2.45	43	4406	3.821	ug/l	99
36) 1,1-Dichloropropene	5.67	75	15134	5.042	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21924	6.745	ug/l #	15
49) 1,4-Dioxane	7.59	88	26	0.380	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70914	24.317	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70914	56.730	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	2807	0.312	ug/l	98

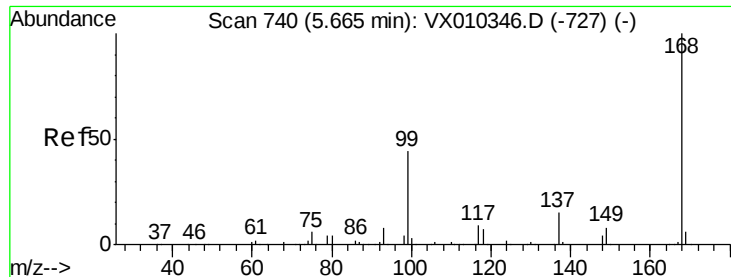
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

Instrument :

MSVOA_X

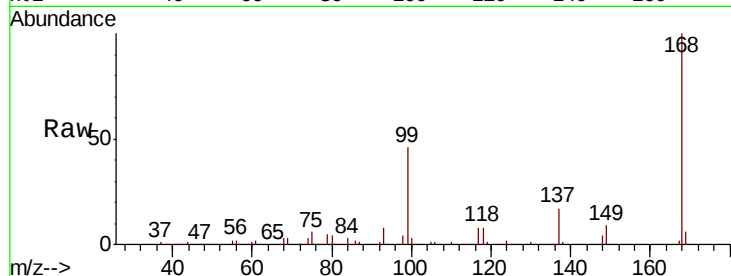
ClientSampleId :

Tot Ion:168 Resp: 245380

Ion Ratio Lower Upper

168 100

99 45.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

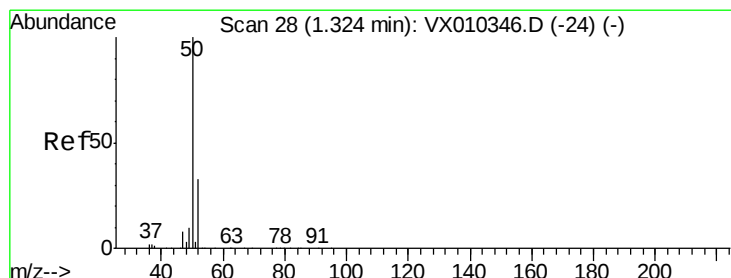
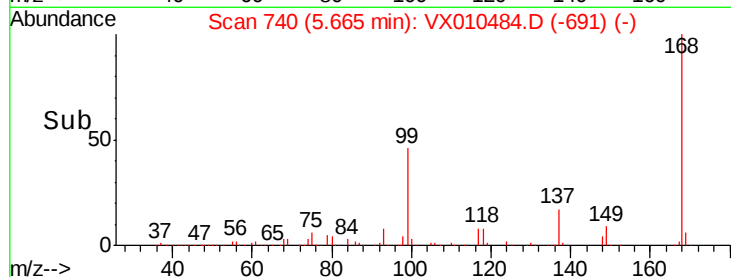
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010484.D

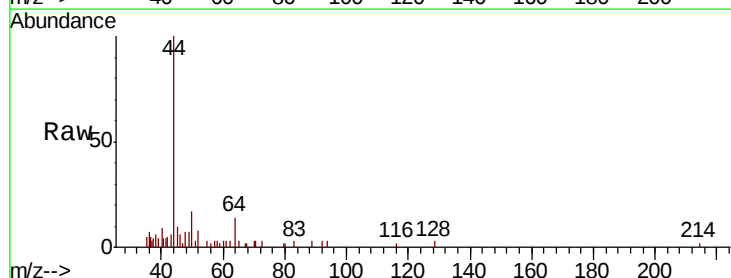
Acq: 27 Jun 2019 13:22

Tgt Ion: 50 Resp: 446

Ion Ratio Lower Upper

50 100

52 48.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

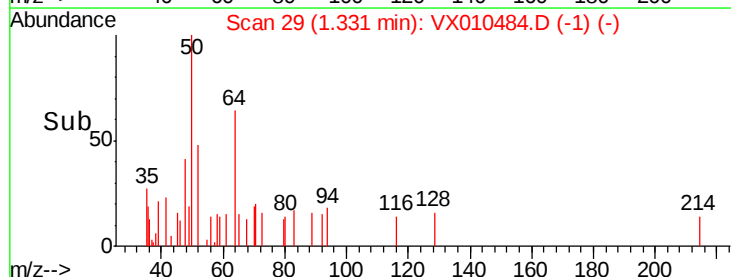
300

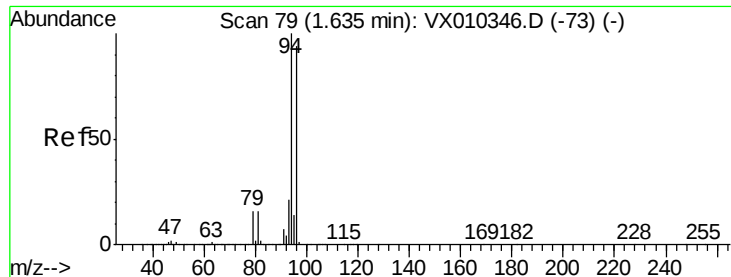
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.508 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

Instrument :

MSVOA_X

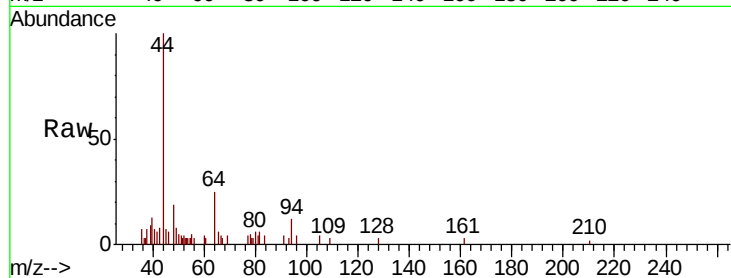
ClientSampled :

Tot Ion: 94 Resp: 539

Ion Ratio Lower Upper

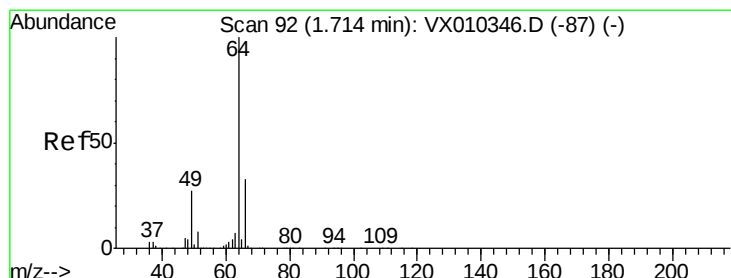
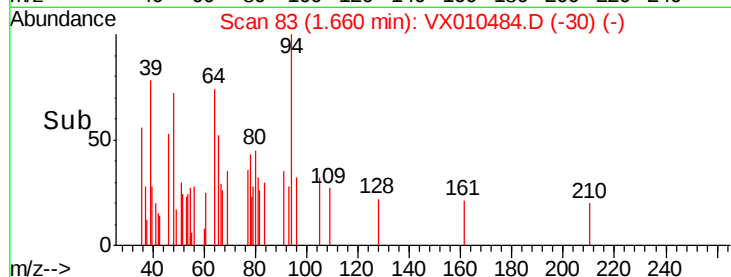
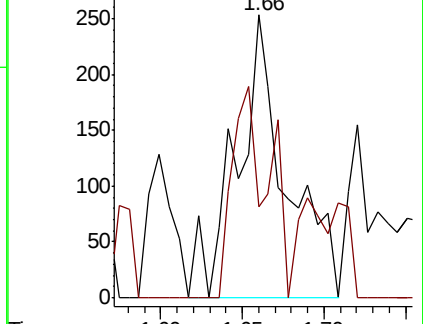
94 100

96 32.4 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.245 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX010484.D

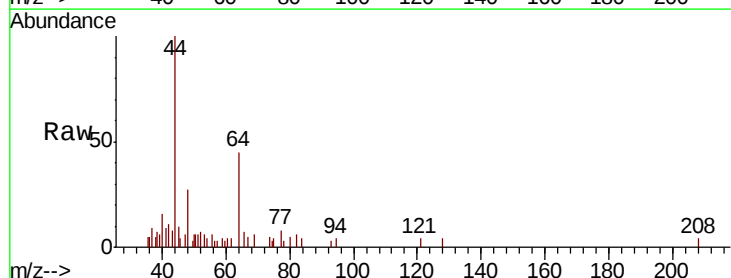
Acq: 27 Jun 2019 13:22

Tgt Ion: 64 Resp: 315

Ion Ratio Lower Upper

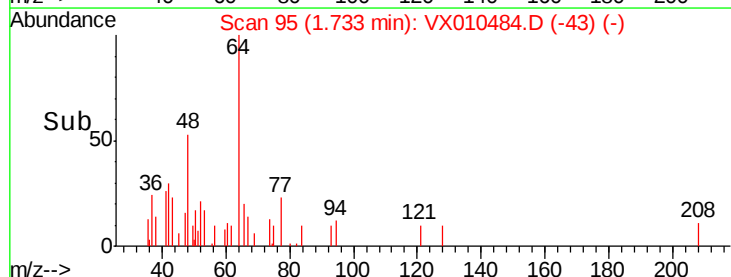
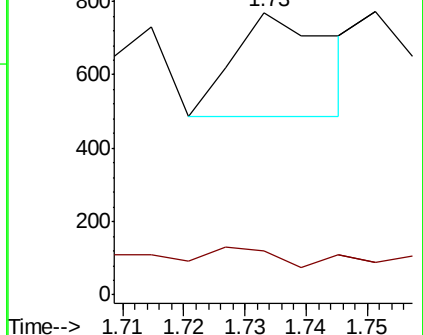
64 100

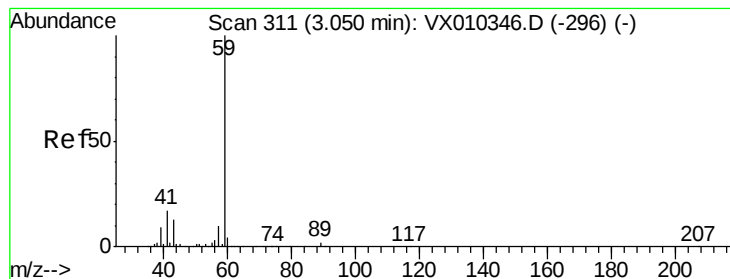
66 9.9 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



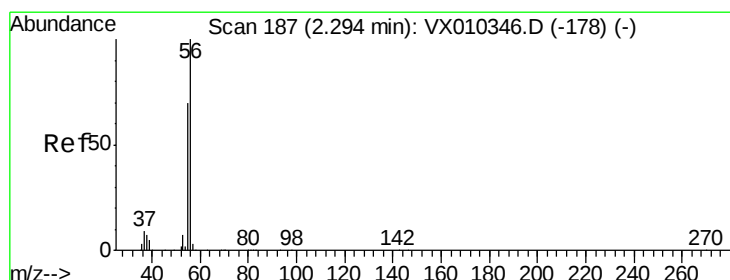
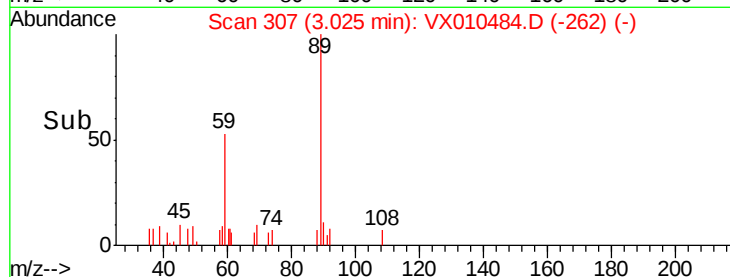
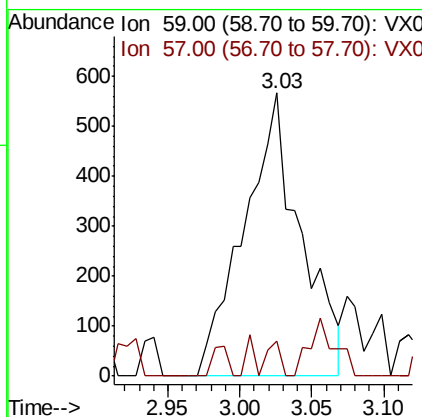
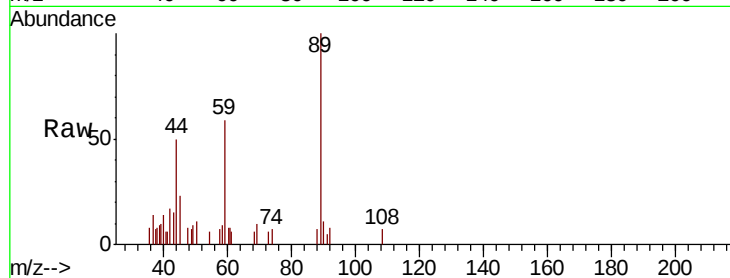


#11

Tert butyl alcohol
Concen: 2.573 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010484.D
Acq: 27 Jun 2019 13:22

Instrument :
MSVOA_X
ClientSampled :

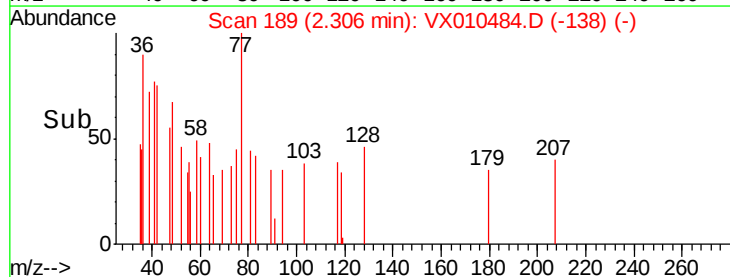
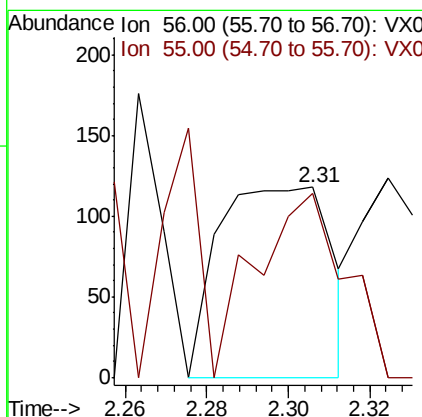
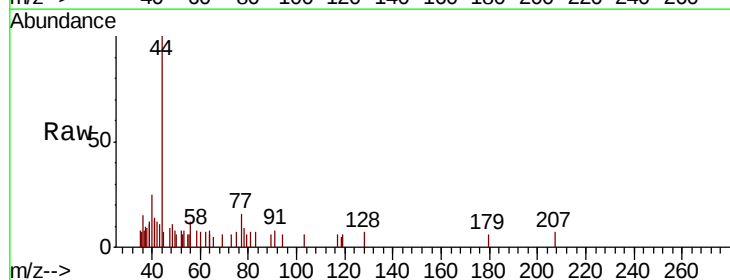
Tot Ion: 59 Resp: 1549
Ion Ratio Lower Upper
59 100
57 2.9 7.7 11.5#

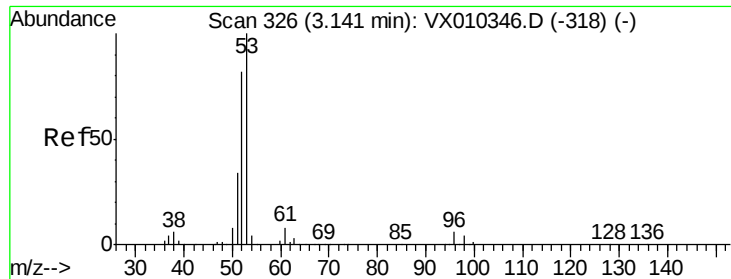


#13

Acrolein
Concen: 0.566 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX010484.D
Acq: 27 Jun 2019 13:22

Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 54.9 56.9 85.3#





#15

Acrylonitrile

Concen: 0.306 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

Instrument :
MSVOA_X
ClientSampled :

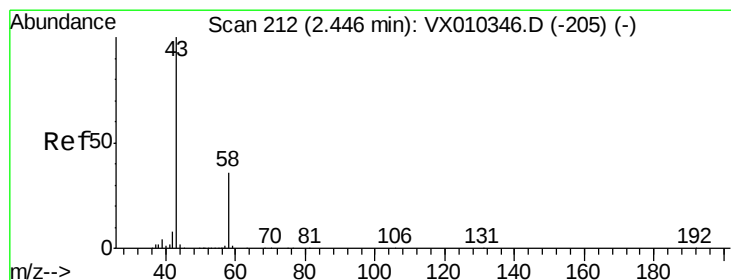
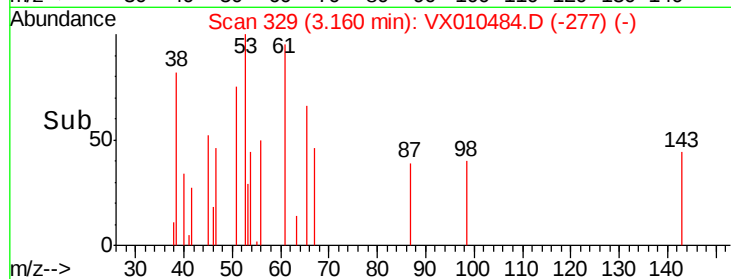
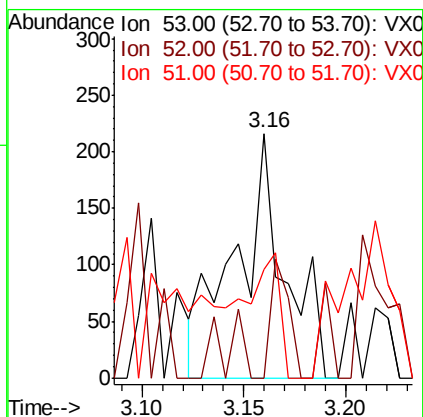
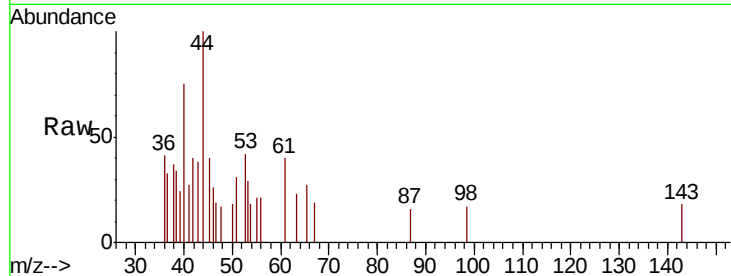
Tot Ion: 53 Resp: 365

Ion Ratio Lower Upper

53 100

52 17.5 65.5 98.3#

51 20.8 28.2 42.4#



#16

Acetone

Concen: 3.821 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010484.D

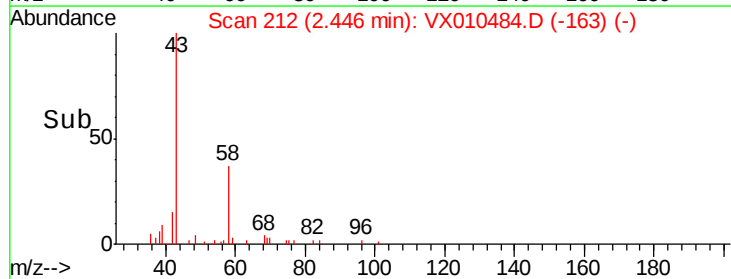
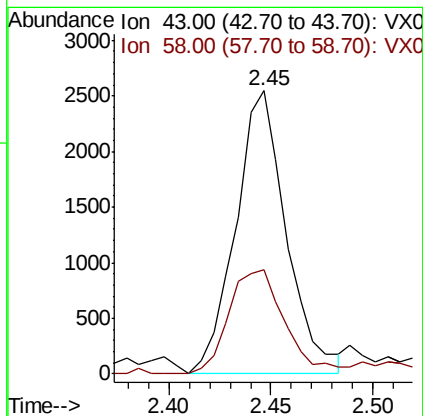
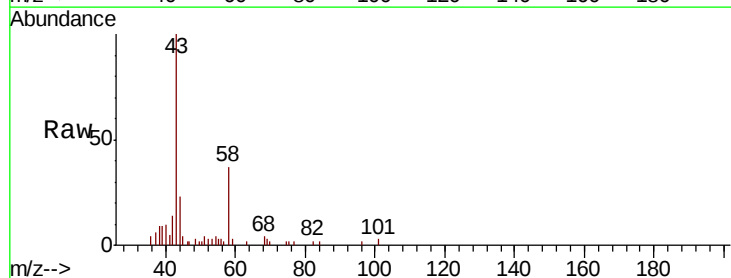
Acq: 27 Jun 2019 13:22

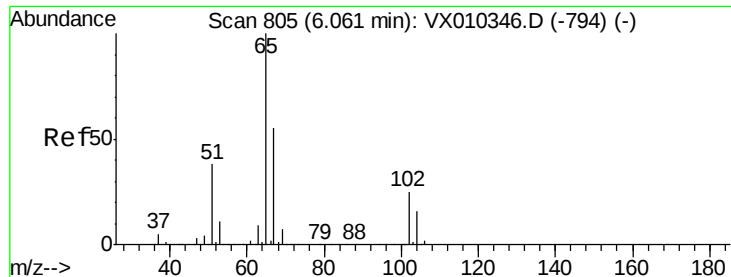
Tgt Ion: 43 Resp: 4406

Ion Ratio Lower Upper

43 100

58 37.0 28.9 43.3





#33

1,2-Dichloroethane-d4

Concen: 50.644 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

Instrument :

MSVOA_X

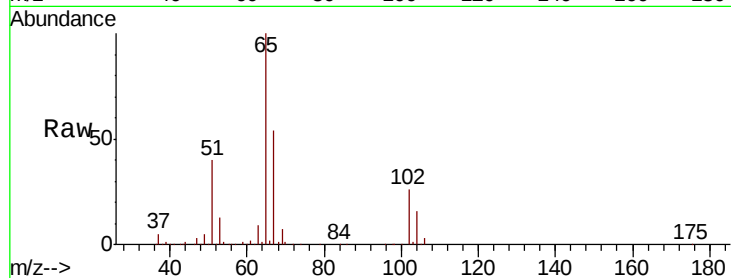
ClientSampleId :

Tot Ion: 65 Resp: 116515

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

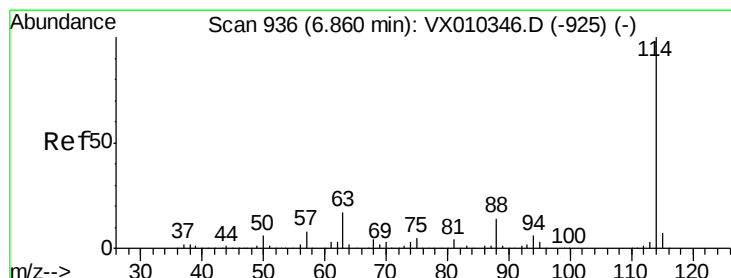
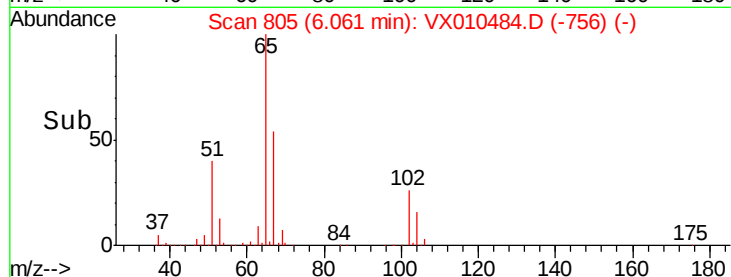
20000

10000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

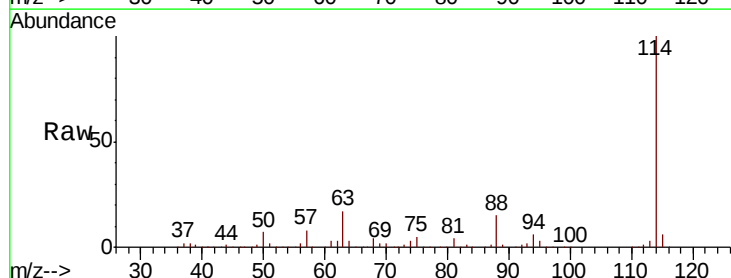
Tgt Ion: 114 Resp: 377718

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.8 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

200000

150000

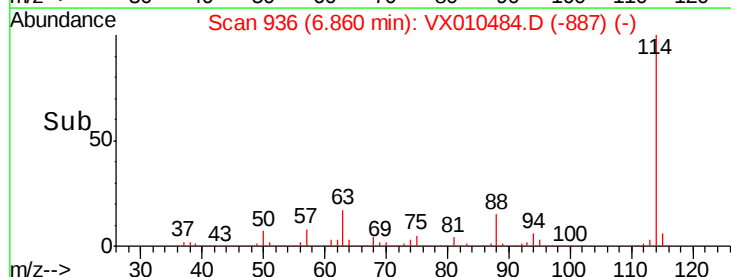
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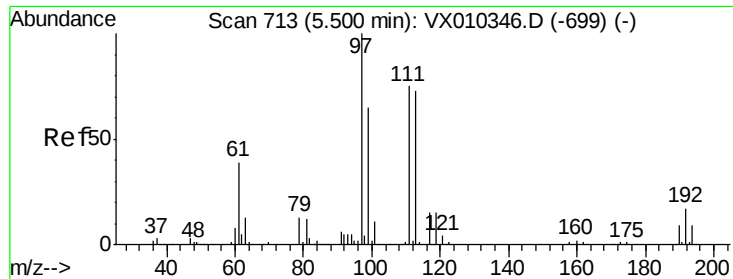
50000

0

Time-->

6.70 6.80 6.90 7.00

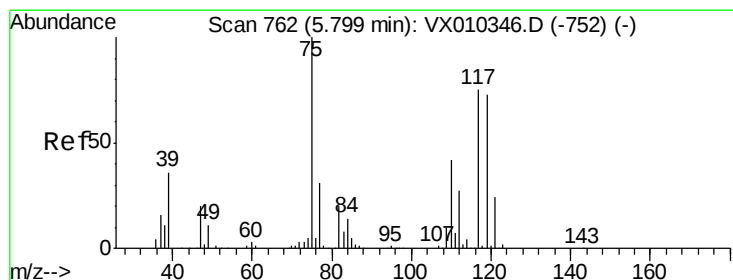
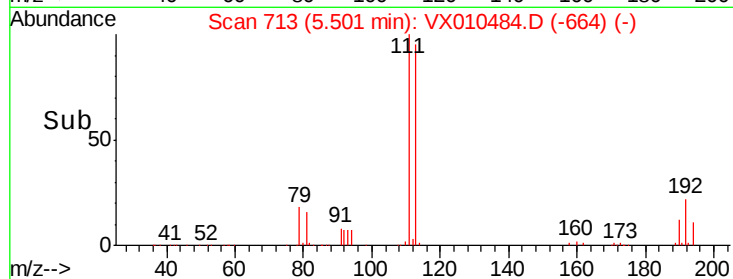
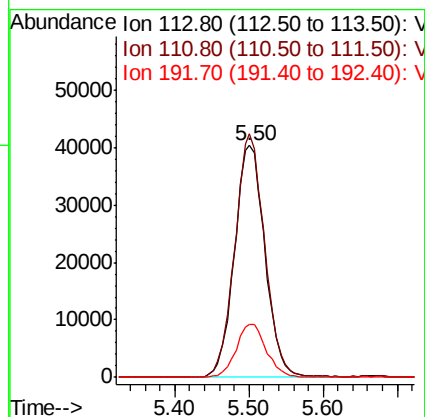
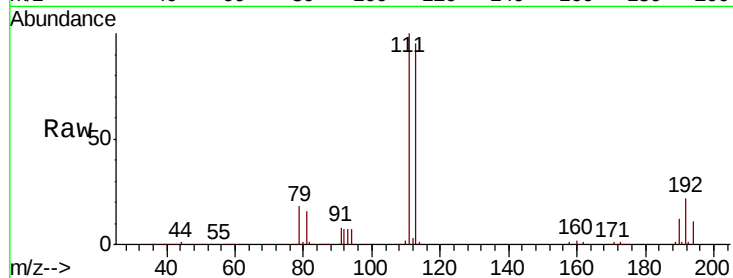




#35
 Dibromofluoromethane
 Concen: 50.218 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010484.D
 Acq: 27 Jun 2019 13:22

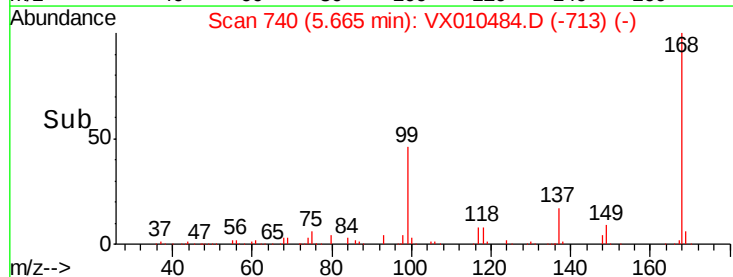
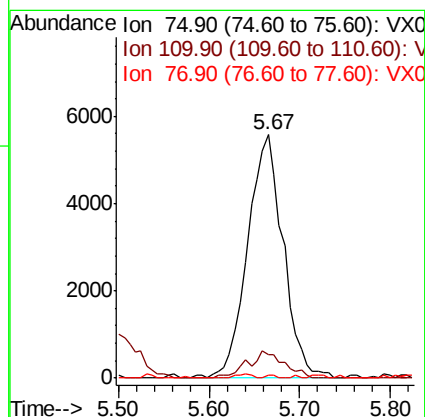
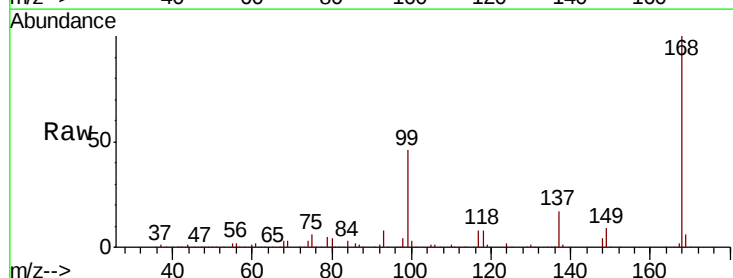
Instrument :
 MSVOA_X
 ClientSampled :

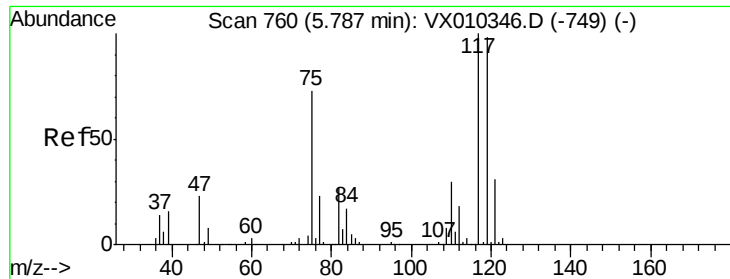
Tot Ion:113 Resp: 116054
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.2 121.8
 192 22.8 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.042 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010484.D
 Acq: 27 Jun 2019 13:22

Tgt Ion: 75 Resp: 15134
 Ion Ratio Lower Upper
 75 100
 110 11.4 20.8 62.2#
 77 0.3 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.745 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

Instrument :

MSVOA_X

ClientSampled :

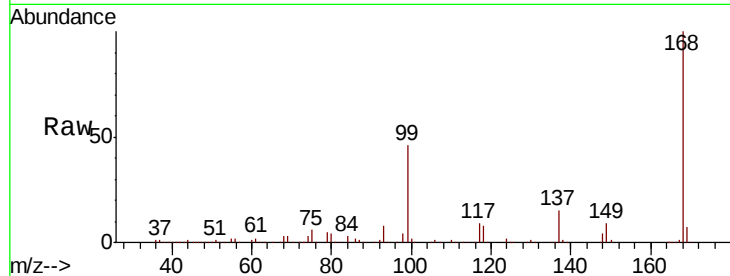
Tot Ion:117 Resp: 21924

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.4#

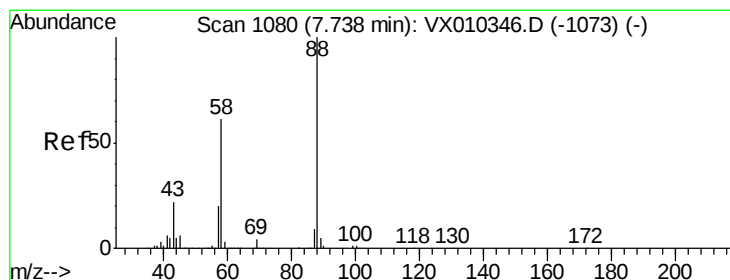
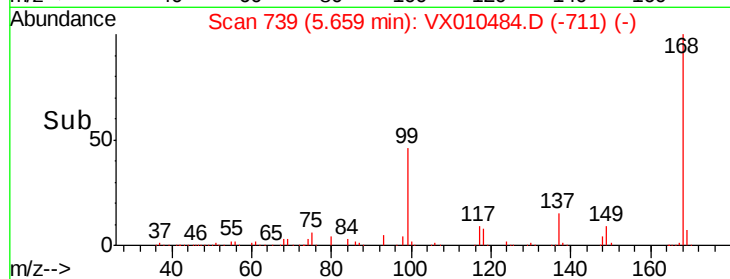
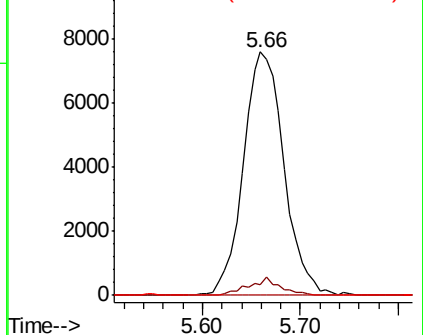
121 0.0 24.7 37.1#



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: 0.380 ug/l

RT: 7.59 min Scan# 1055

Delta R.T. -0.15 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

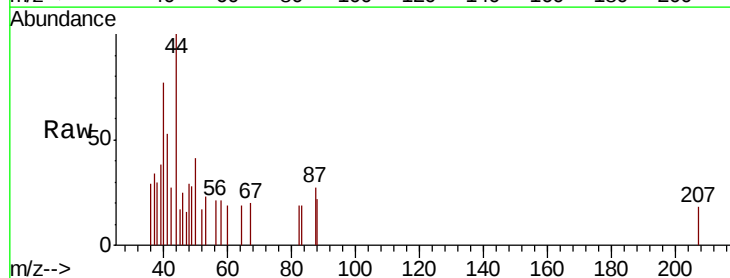
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

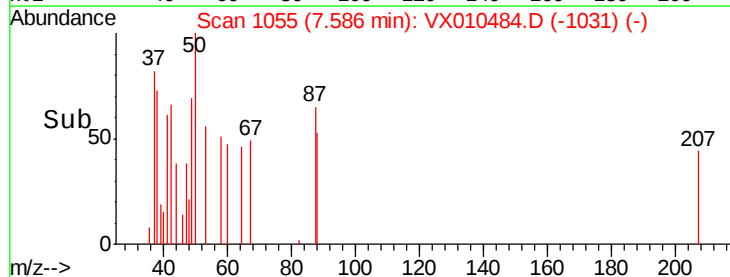
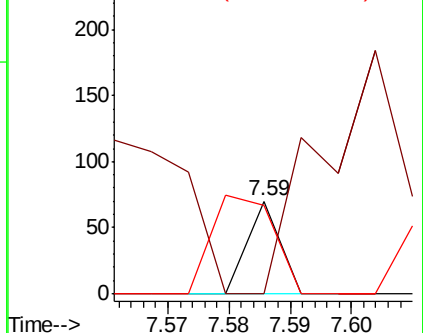
58 200.0 49.5 74.3#

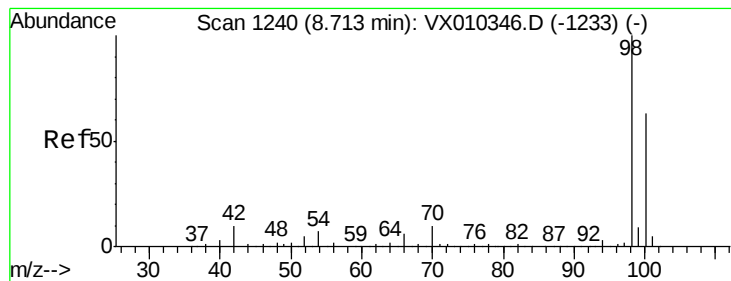


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.712 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

Instrument :

MSVOA_X

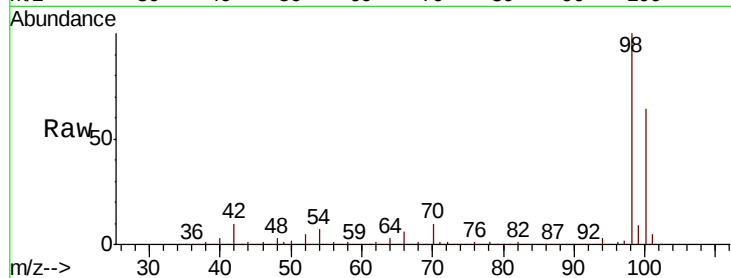
ClientSampleId :

Tot Ion: 98 Resp: 448374

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

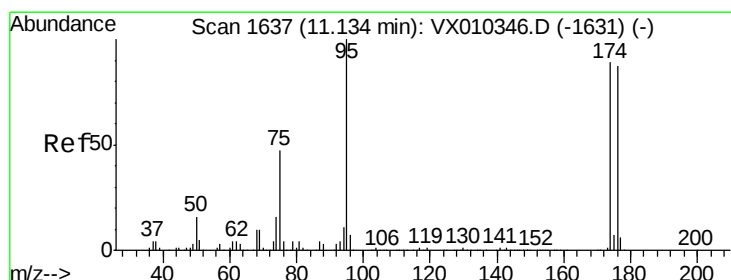
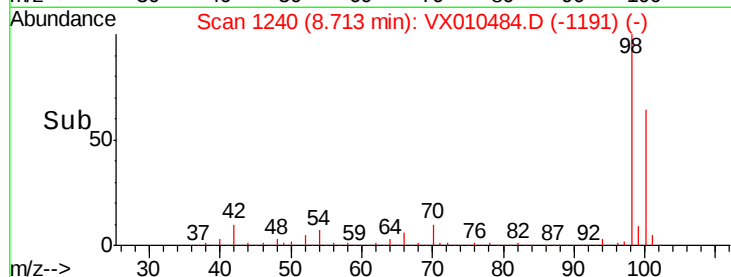
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.124 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

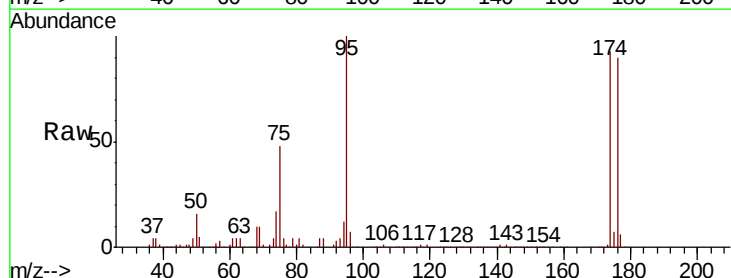
Tgt Ion: 95 Resp: 150420

Ion Ratio Lower Upper

95 100

174 95.3 0.0 187.6

176 92.7 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

11.13

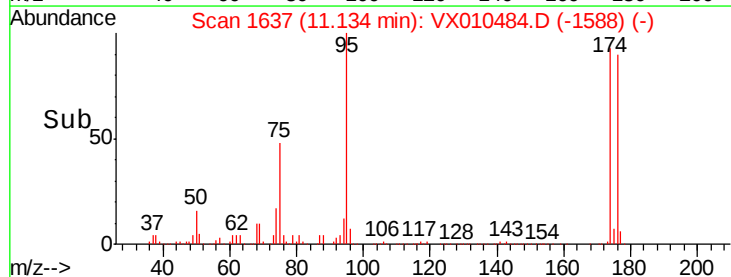
150000

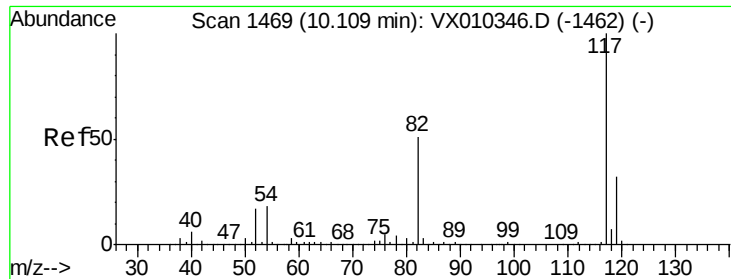
100000

50000

0

Time-->

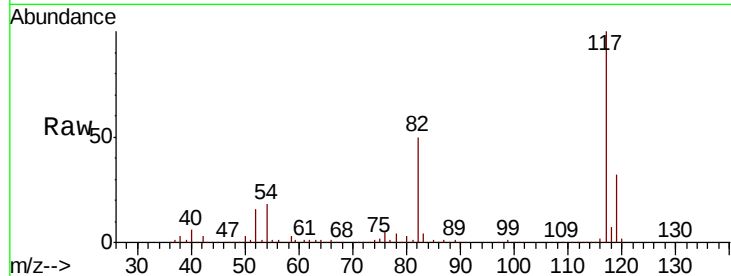




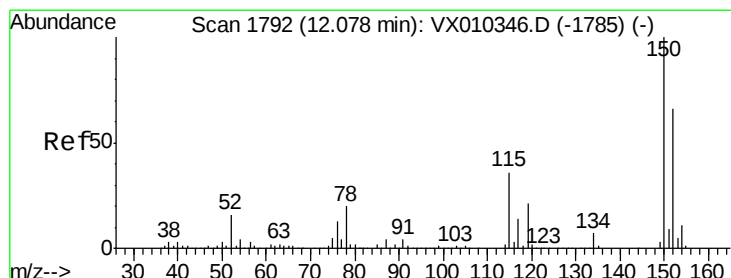
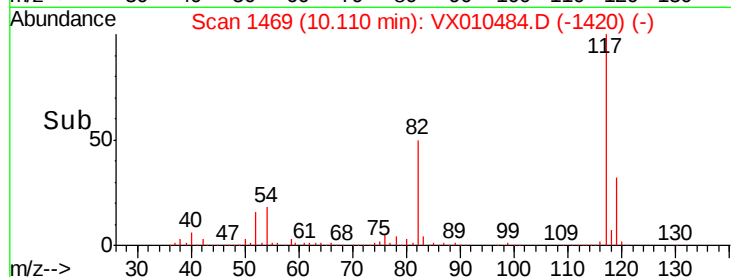
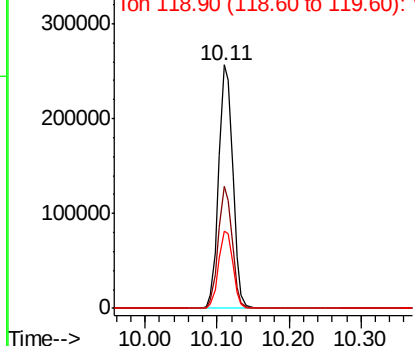
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010484.D
Acq: 27 Jun 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 347701
Ion Ratio Lower Upper
117 100
82 50.4 41.2 61.8
119 31.6 25.5 38.3

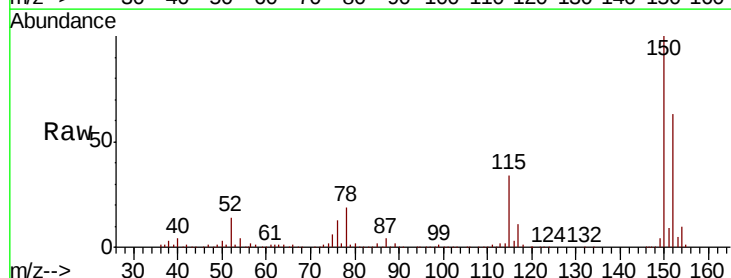


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

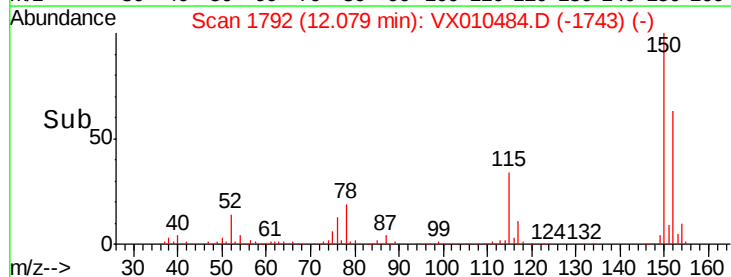
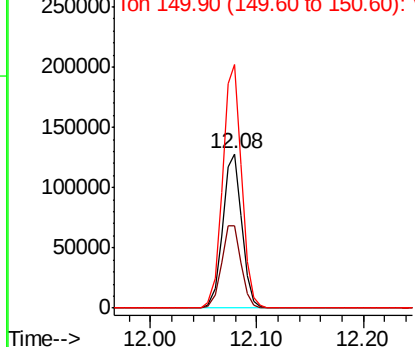


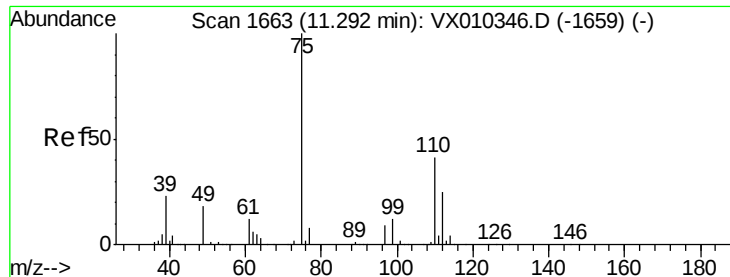
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010484.D
Acq: 27 Jun 2019 13:22

Tgt Ion:152 Resp: 160032
Ion Ratio Lower Upper
152 100
115 54.9 38.6 115.7
150 156.6 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: 24.317 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

Instrument :

MSVOA_X

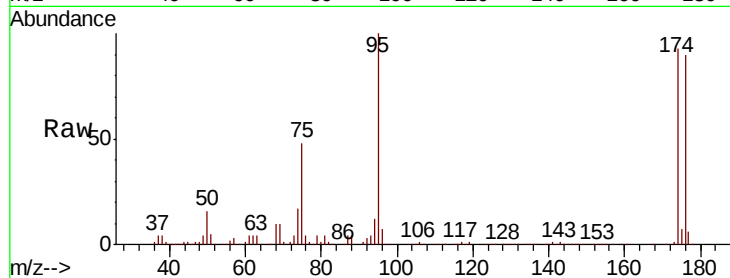
ClientSampleId :

Tot Ion: 75 Resp: 70914

Ion Ratio Lower Upper

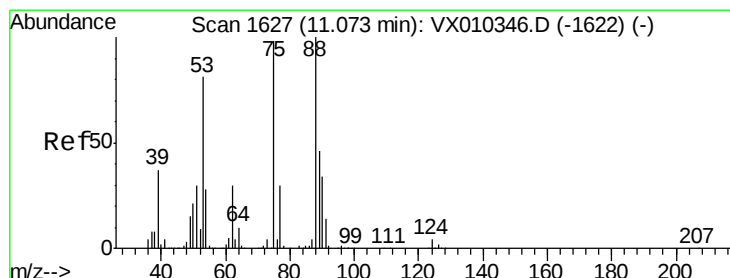
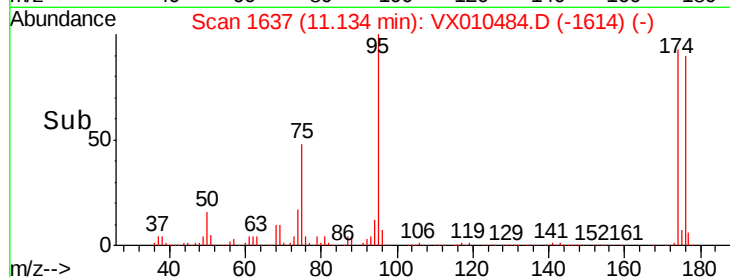
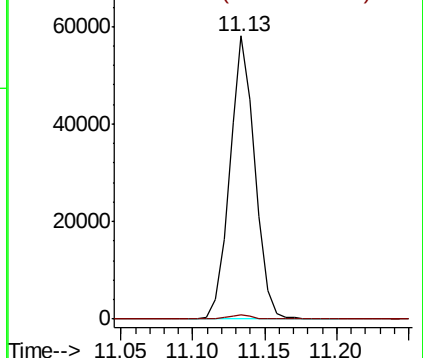
75 100

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: 56.730 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010484.D

Acq: 27 Jun 2019 13:22

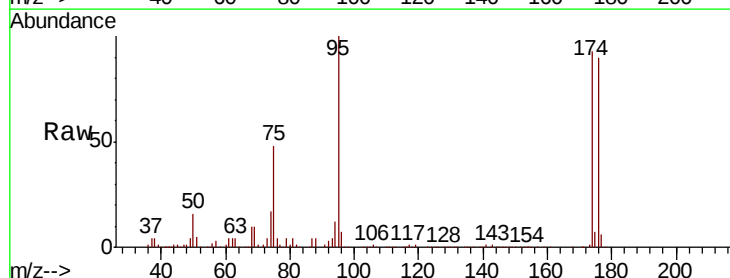
Tgt Ion: 75 Resp: 70914

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

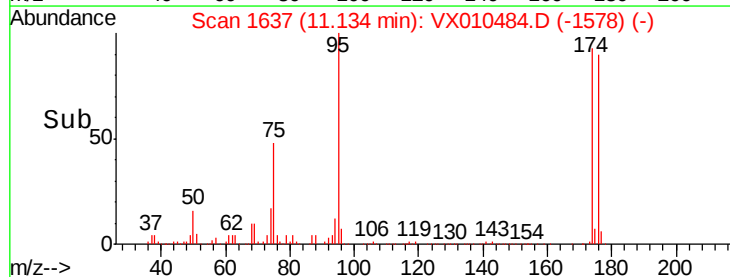
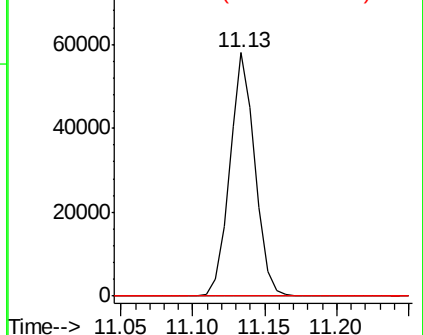
89 0.0 37.8 56.6#

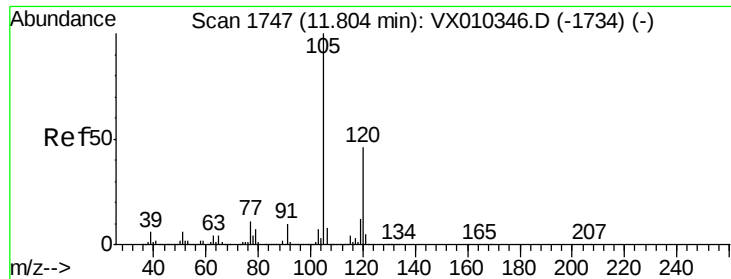


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84
 1,2,4-Trimethylbenzene
 Concen: 0.312 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010484.D
 Acq: 27 Jun 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 2807
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.1 69.2

