

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010262.D
 Acq On : 12 Jun 2019 19:41
 Operator : JC/SP
 Sample : K3315-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-20190607

Quant Time: Jun 13 01:29:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	301950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	461659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	419938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195646	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	139165	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
35) Dibromofluoromethane	5.50	113	140556	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	8.71	98	542064	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	185269	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	

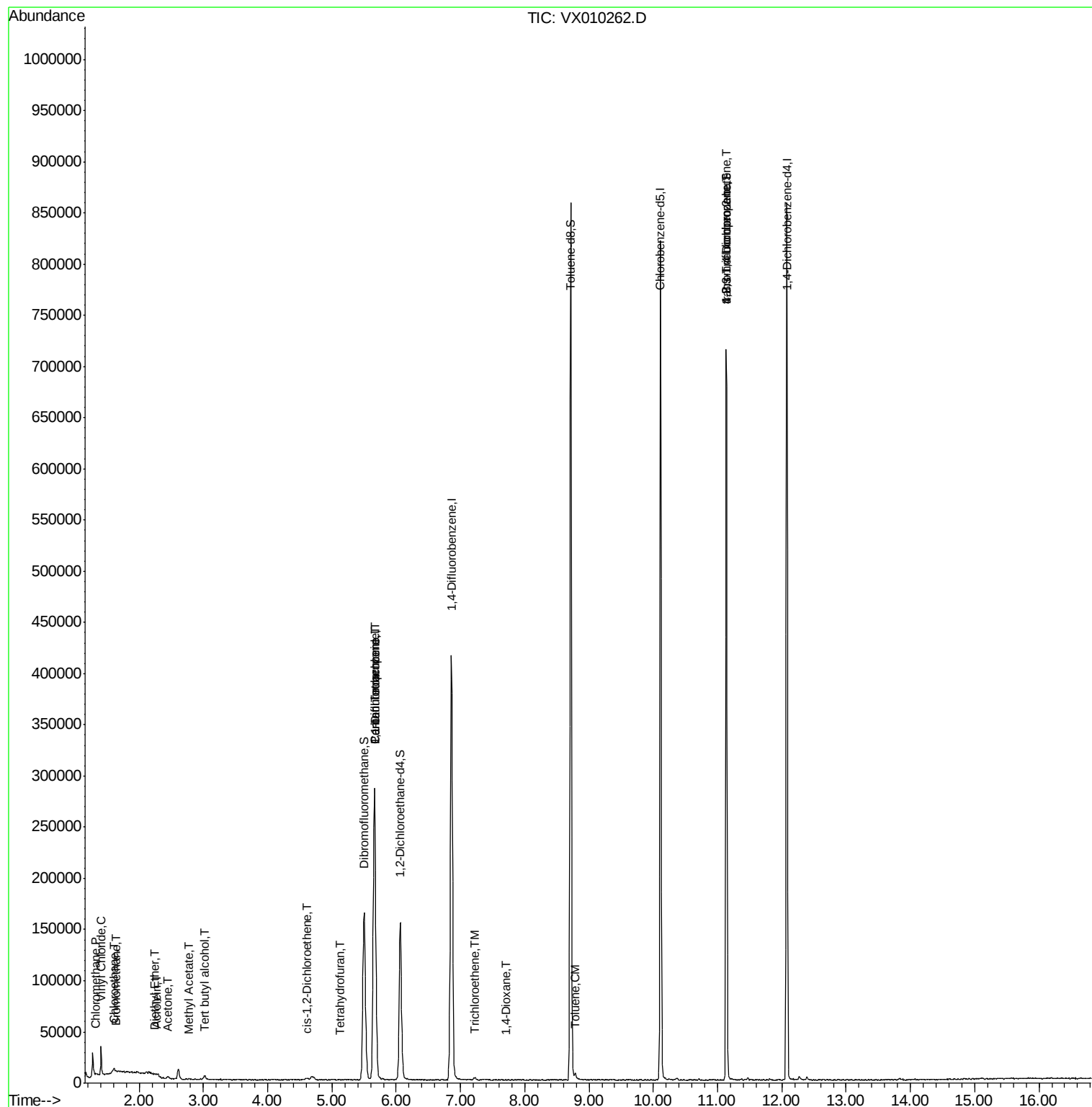
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	586	0.212	ug/l	99
4) Vinyl Chloride	1.41	62	18521	7.142	ug/l	95
5) Bromomethane	1.65	94	372	0.380	ug/l #	20
6) Chloroethane	1.60	64	884	0.676	ug/l #	64
8) Diethyl Ether	2.25	74	285	0.215	ug/l	54
11) Tert butyl alcohol	3.01	59	2449	3.392	ug/l	98
13) Acrolein	2.28	56	183	1.390	ug/l #	14
16) Acetone	2.45	43	2543	1.834	ug/l #	81
18) Methyl Acetate	2.77	43	740	0.243	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	910	0.273	ug/l	40
29) Tetrahydrofuran	5.13	42	264	0.203	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	17847	4.738	ug/l #	52
38) Carbon Tetrachloride	5.66	117	26163	6.137	ug/l #	16
44) Trichloroethene	7.23	130	780	0.222	ug/l	99
49) 1,4-Dioxane	7.71	88	19	0.217	ug/l #	1
52) Toluene	8.79	92	1608	0.210	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	85600	21.874	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	85600	48.329	ug/l #	10

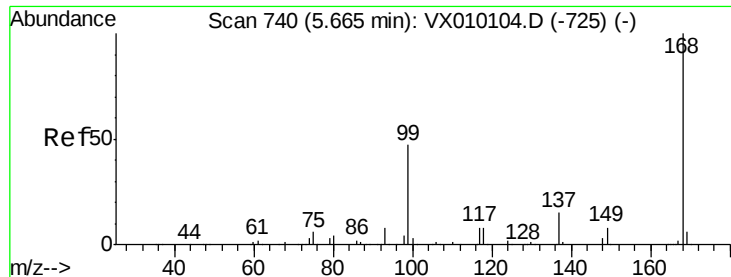
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010262.D

Acq: 12 Jun 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

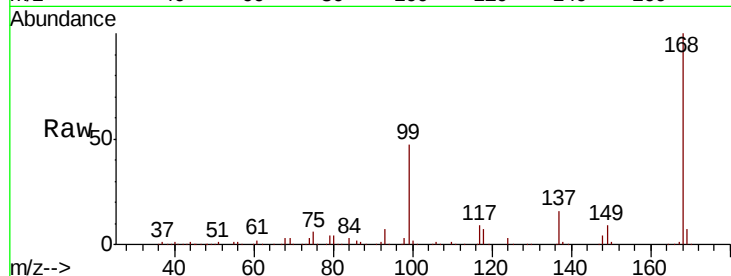
RE104D3-20190607

Tot Ion:168 Resp: 301950

Ion Ratio Lower Upper

168 100

99 46.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

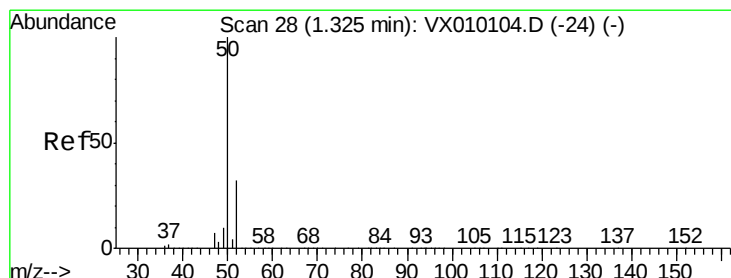
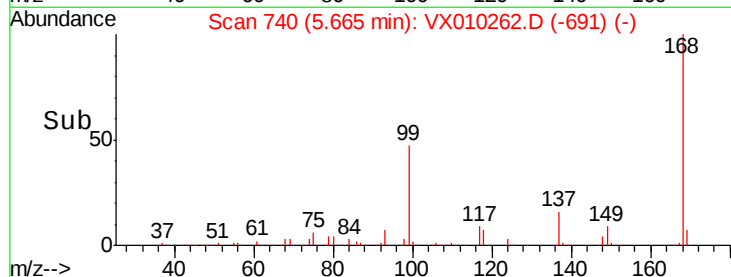
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010262.D

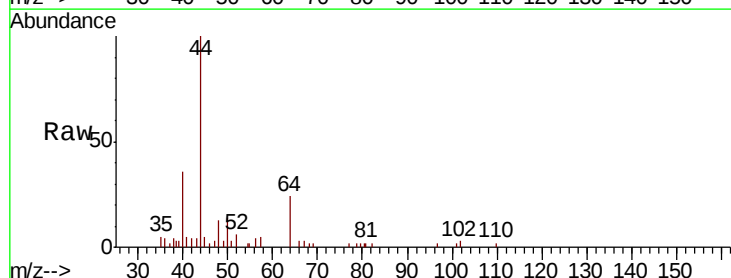
Acq: 12 Jun 2019 19:41

Tgt Ion: 50 Resp: 586

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

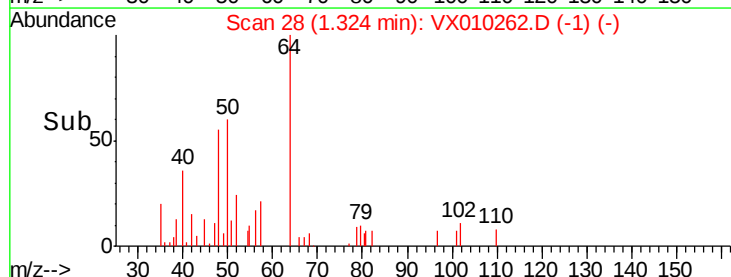
300

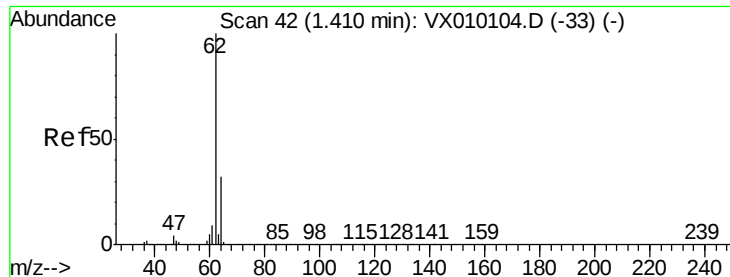
200

100

0

Time--> 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 7.142 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010262.D

Acq: 12 Jun 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

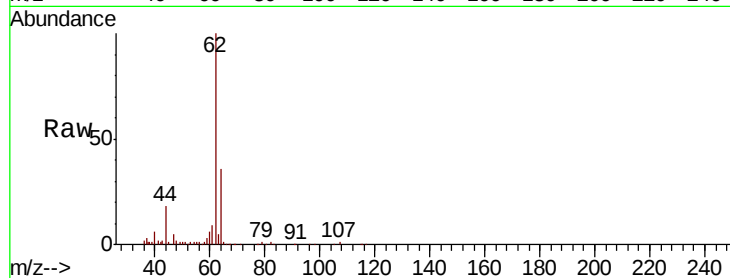
RE104D3-20190607

Tot Ion: 62 Resp: 18521

Ion Ratio Lower Upper

62 100

64 34.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

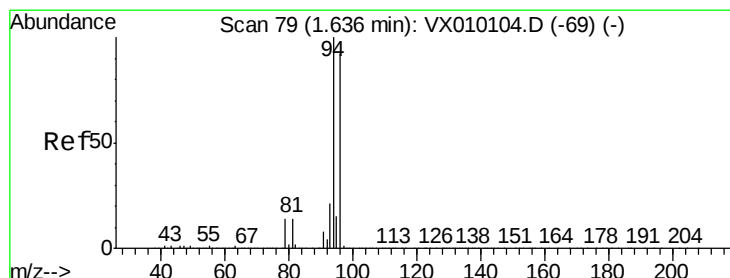
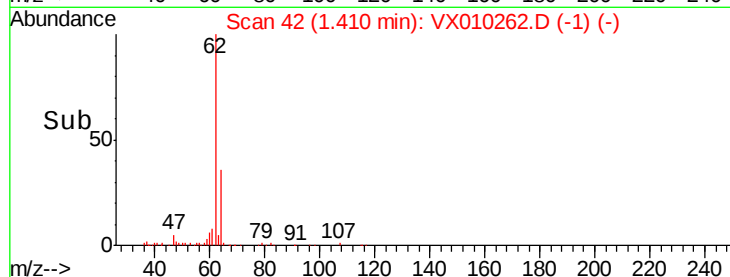
15000

10000

5000

0

Time-->



#5

Bromomethane

Concen: 0.380 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010262.D

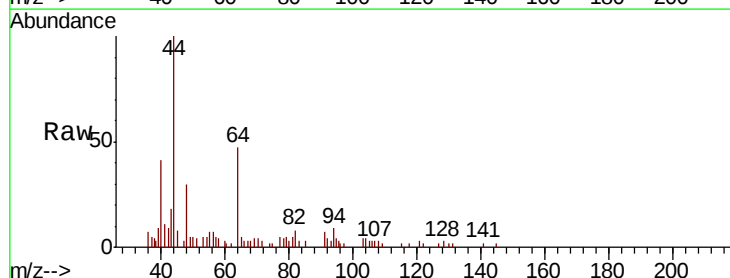
Acq: 12 Jun 2019 19:41

Tgt Ion: 94 Resp: 372

Ion Ratio Lower Upper

94 100

96 17.3 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

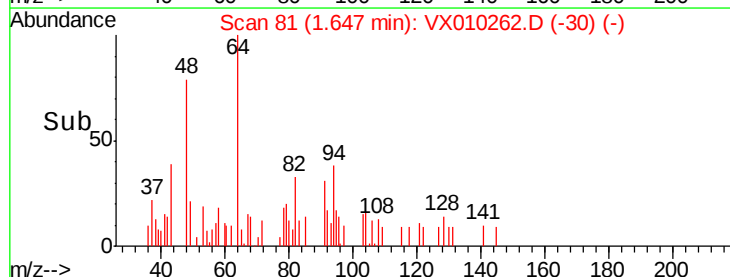
150

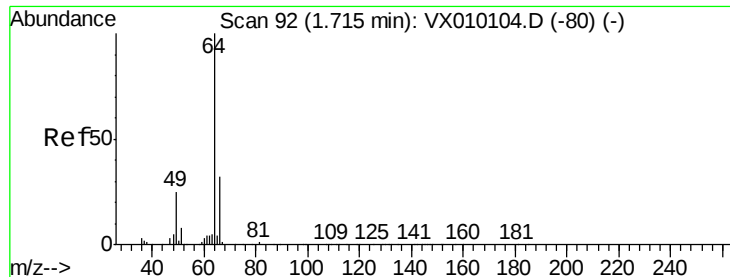
100

50

0

Time-->





#6

Chloroethane

Concen: 0.676 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX010262.D

Acq: 12 Jun 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

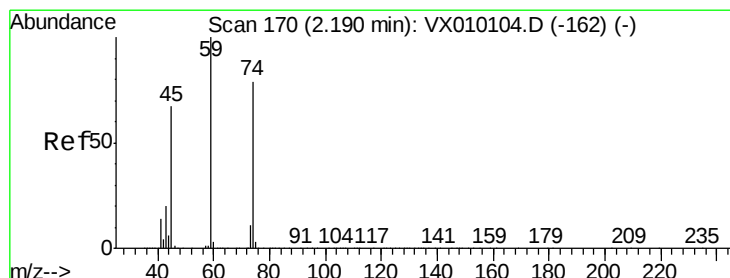
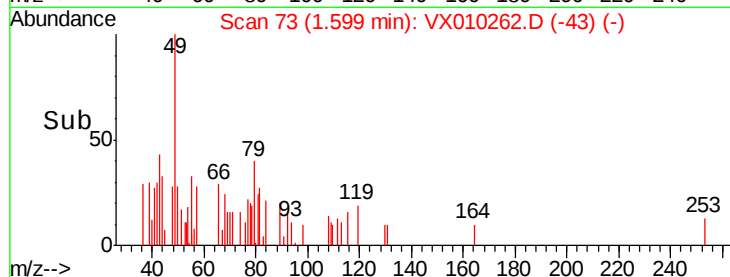
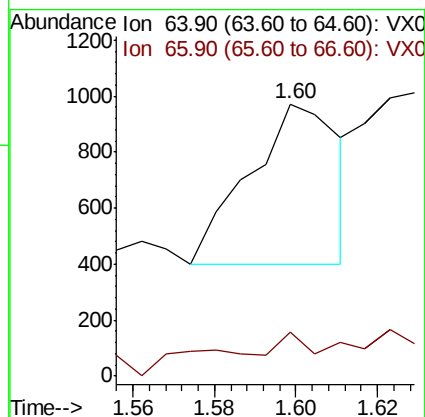
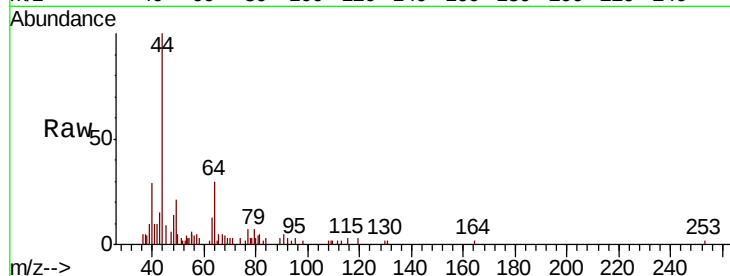
RE104D3-20190607

Tot Ion: 64 Resp: 884

Ion Ratio Lower Upper

64 100

66 11.3 25.1 37.7#



#8

Diethyl Ether

Concen: 0.215 ug/l

RT: 2.25 min Scan# 180

Delta R.T. 0.06 min

Lab File: VX010262.D

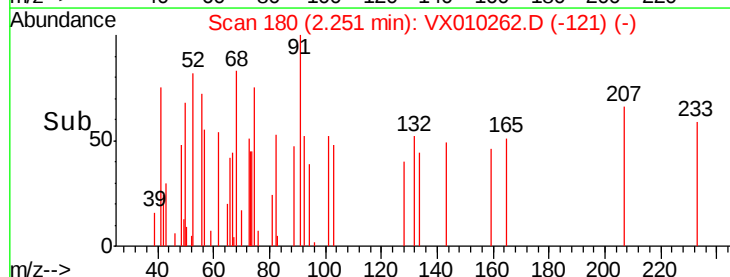
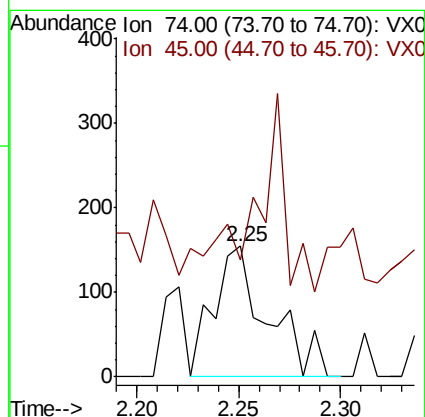
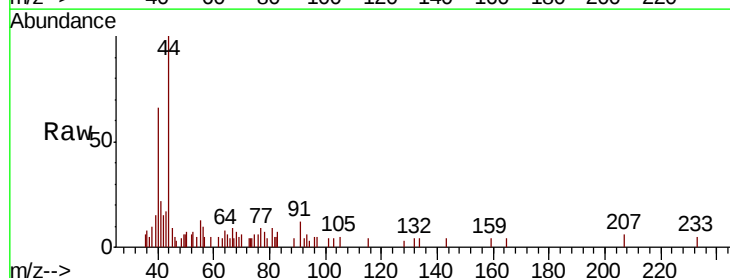
Acq: 12 Jun 2019 19:41

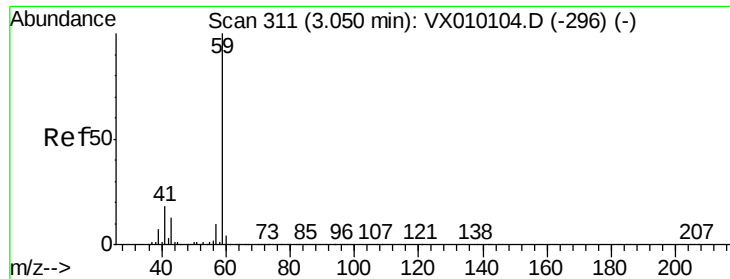
Tgt Ion: 74 Resp: 285

Ion Ratio Lower Upper

74 100

45 63.2 56.1 168.3



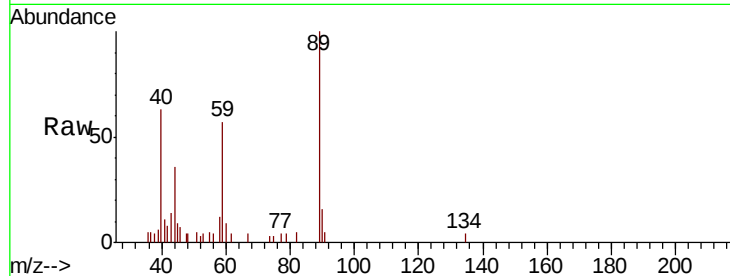


#11

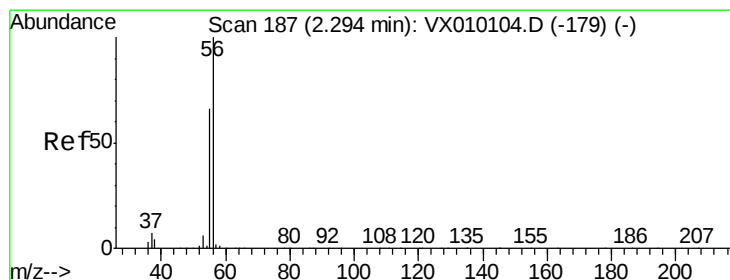
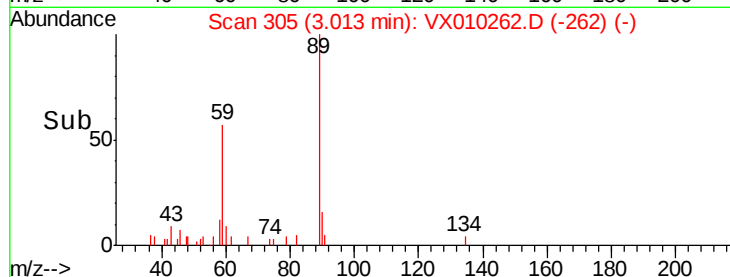
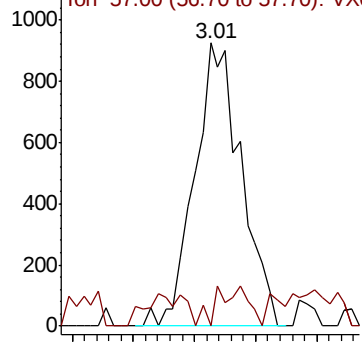
Tert butyl alcohol
Concen: 3.392 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20190607

Tot Ion: 59 Resp: 2449
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.2



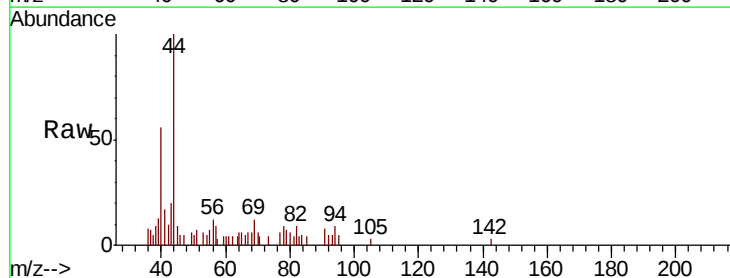
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



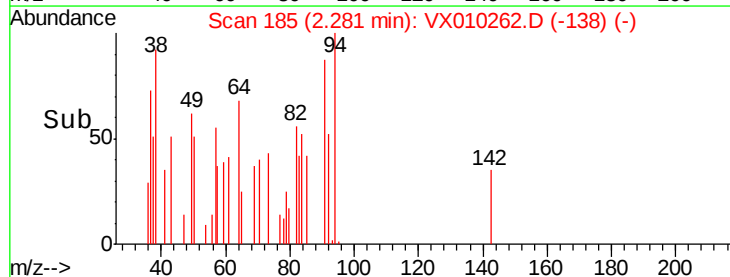
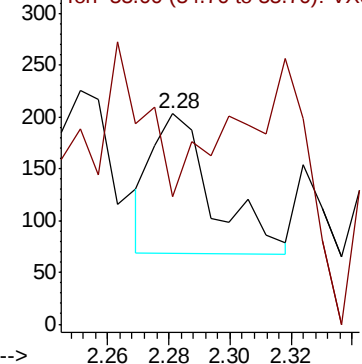
#13

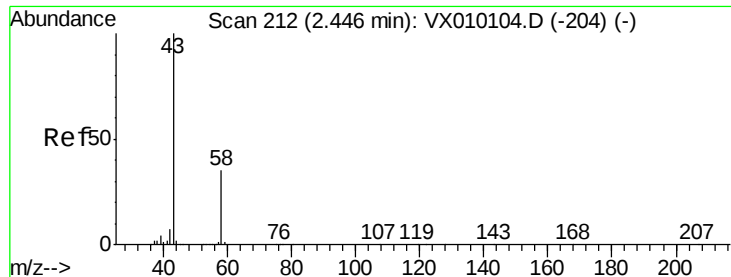
Acrolein
Concen: 1.390 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.834 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010262.D

Acq: 12 Jun 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

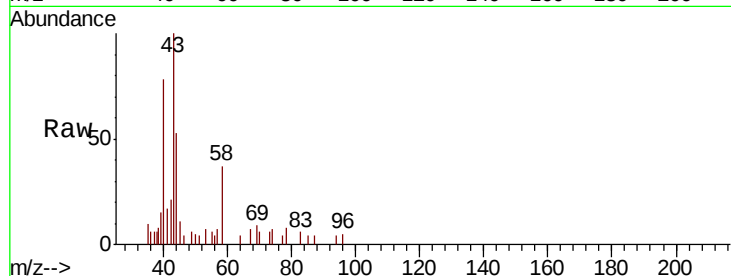
RE104D3-20190607

Tot Ion: 43 Resp: 2543

Ion Ratio Lower Upper

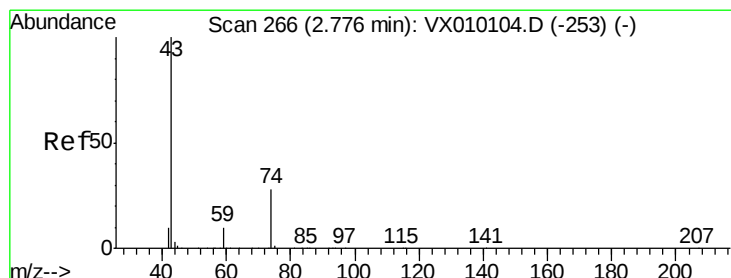
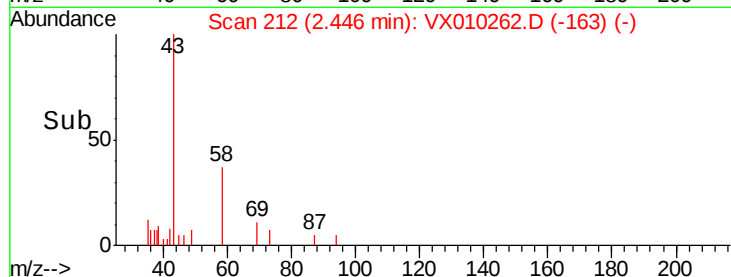
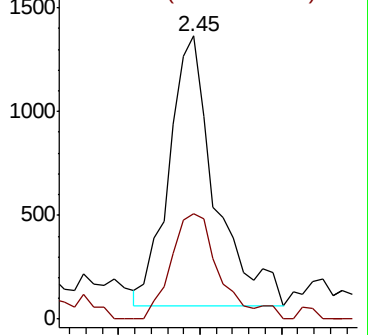
43 100

58 39.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.243 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010262.D

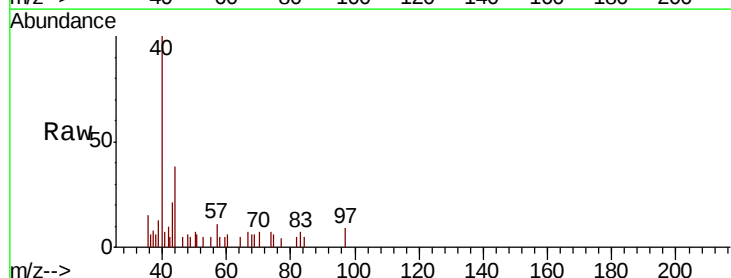
Acq: 12 Jun 2019 19:41

Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

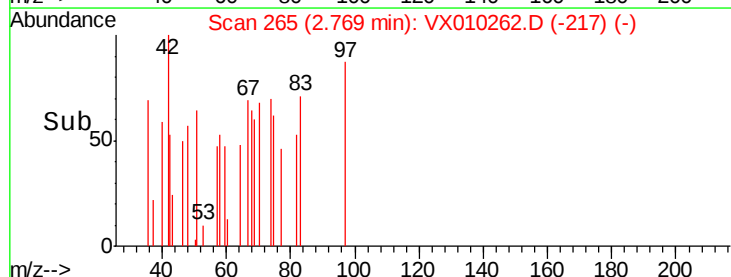
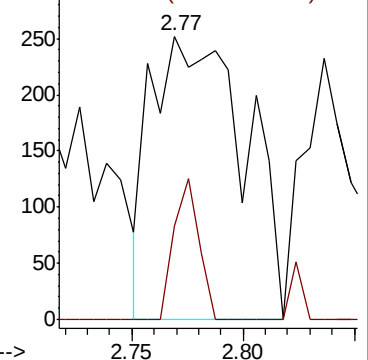
43 100

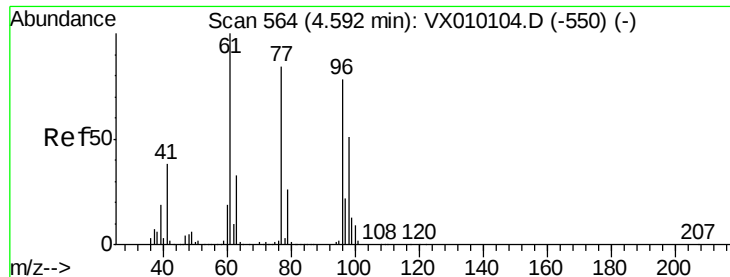
74 13.2 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



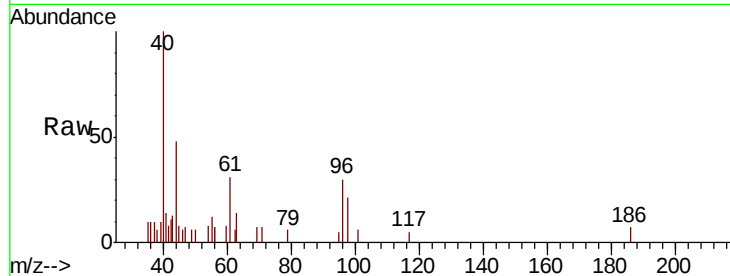


#27

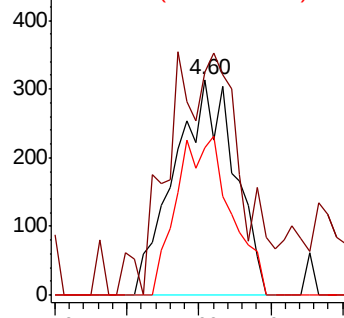
cis-1,2-Dichloroethene
 Concen: 0.273 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX010262.D
 Acq: 12 Jun 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-20190607

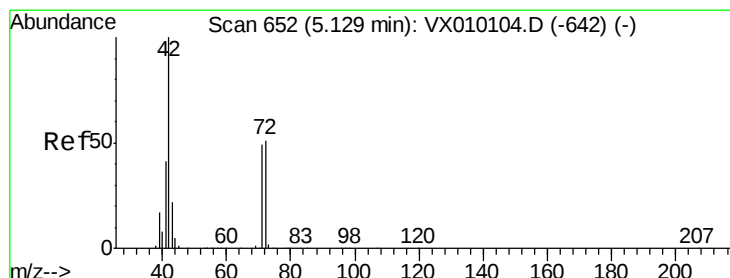
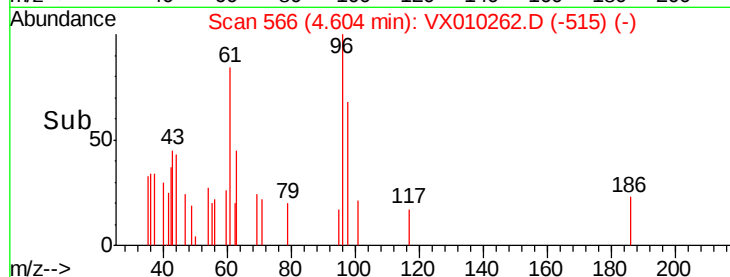
Tot Ion	Ratio	Lower	Upper
96	100		
61	55.1	0.0	334.0
98	66.7	0.0	131.6



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



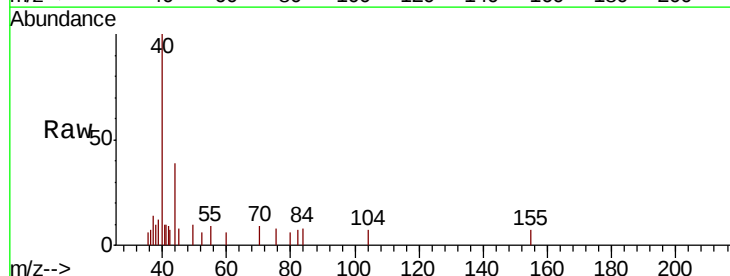
Time--> 4.50 4.55 4.60 4.65



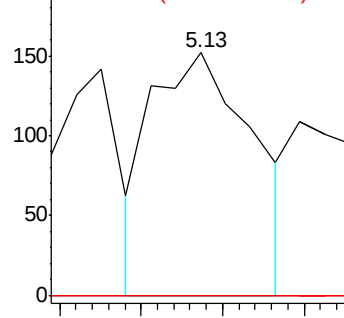
#29

Tetrahydrofuran
 Concen: 0.203 ug/l
 RT: 5.13 min Scan# 653
 Delta R.T. 0.01 min
 Lab File: VX010262.D
 Acq: 12 Jun 2019 19:41

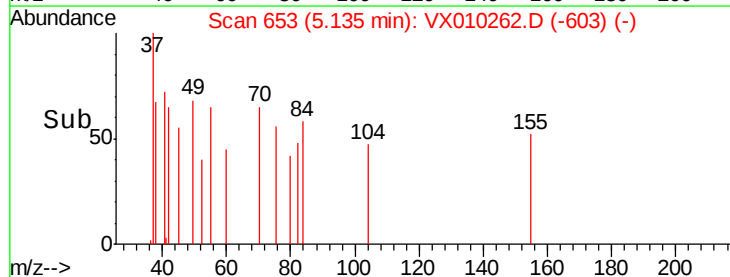
Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.2	43.8#
71	0.0	27.6	41.4#

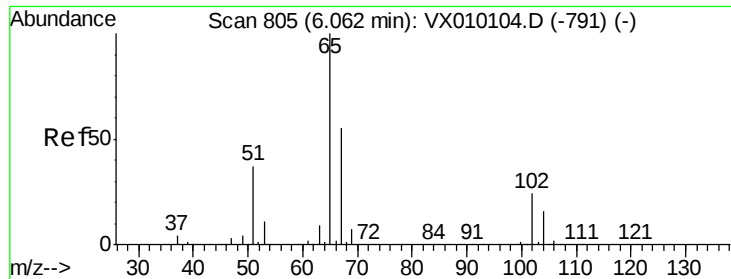


Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0



Time--> 5.10 5.12 5.14 5.16

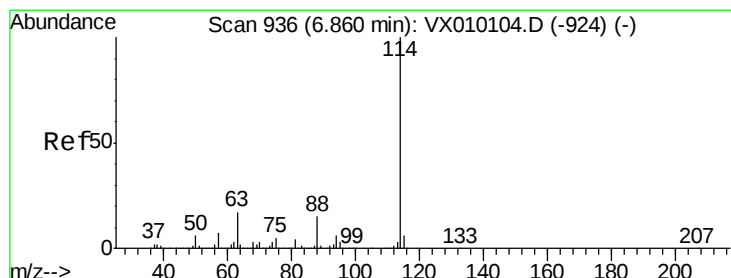
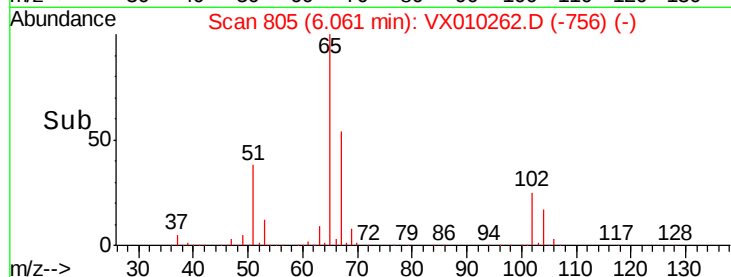
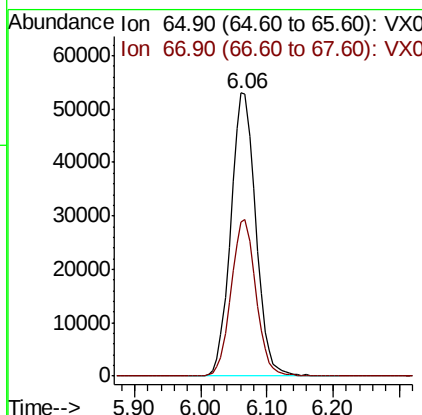
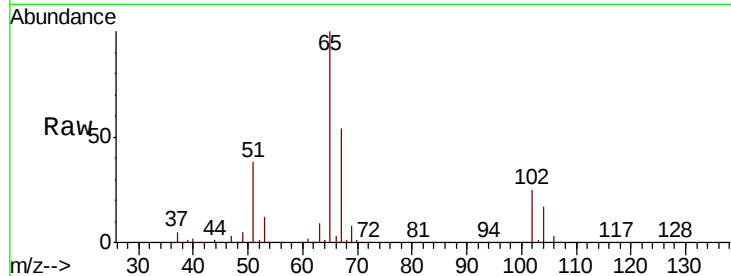




#33
 1,2-Dichloroethane-d4
 Concen: 47.217 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010262.D
 Acq: 12 Jun 2019 19:41

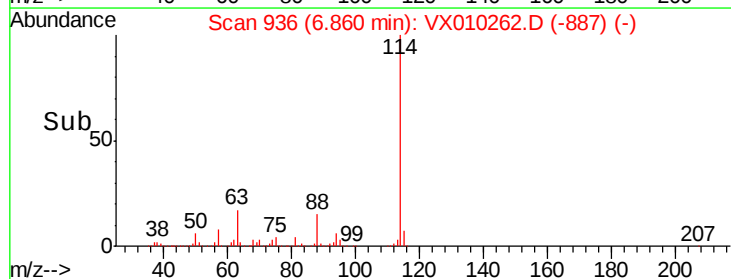
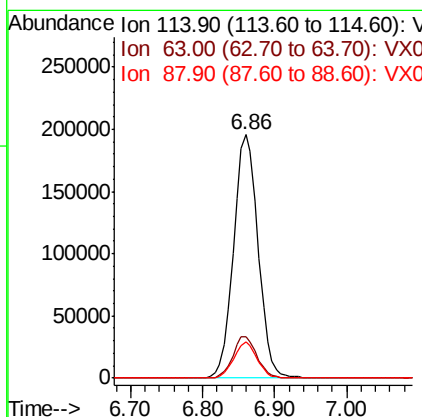
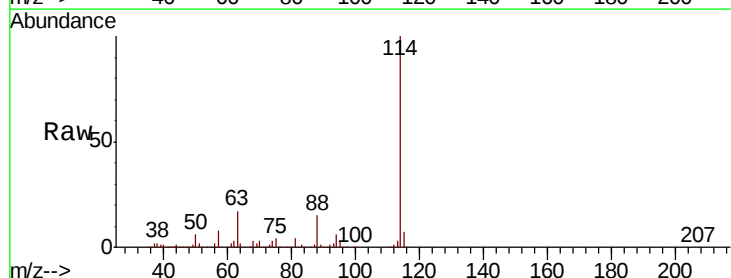
Instrument :
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 RE104D3-20190607

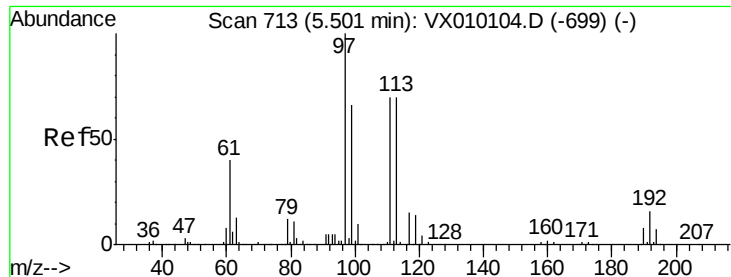
Tot Ion: 65 Resp: 139165
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010262.D
 Acq: 12 Jun 2019 19:41

Tgt Ion: 114 Resp: 461659
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 47.4
 88 14.7 0.0 33.0

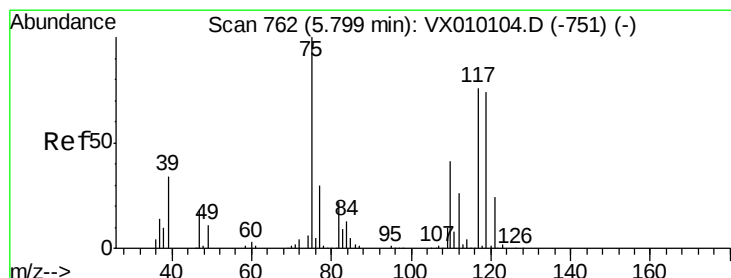
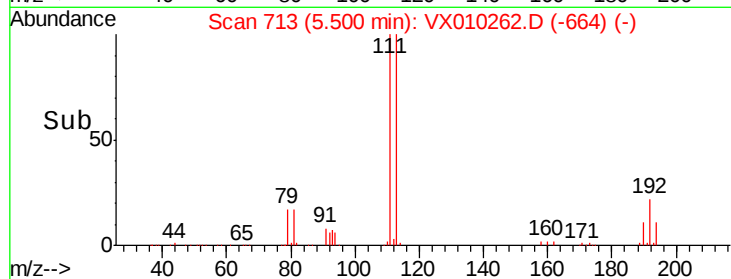
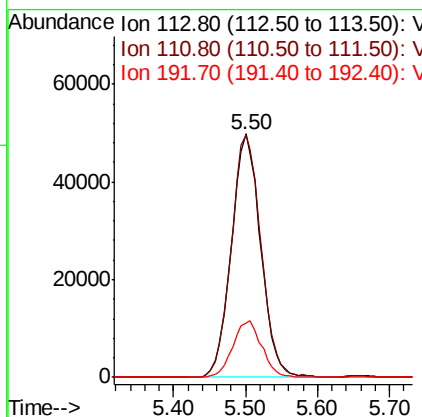
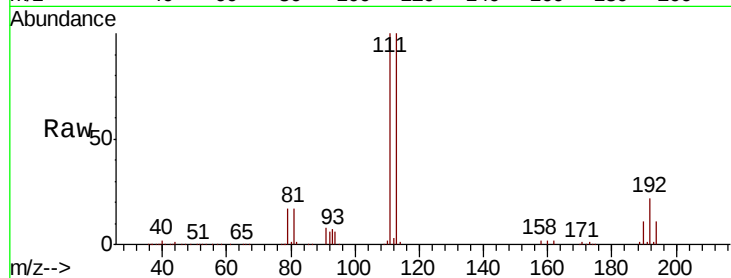




#35
Dibromofluoromethane
Concen: 49.359 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

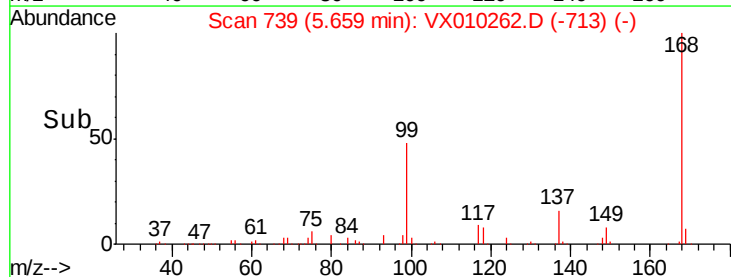
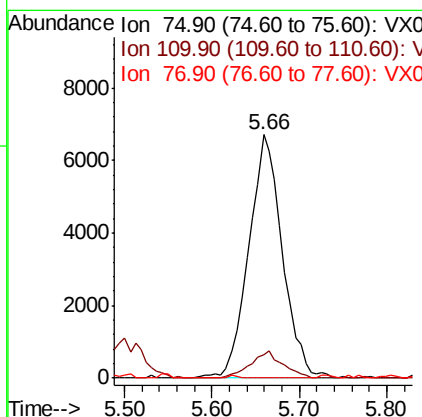
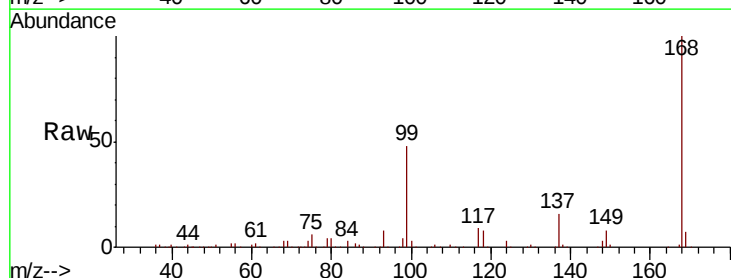
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20190607

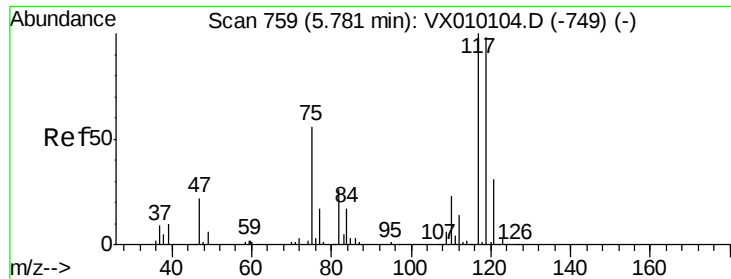
Tot Ion:113 Resp: 140556
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 23.0 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

Tgt Ion: 75 Resp: 17847
Ion Ratio Lower Upper
75 100
110 10.7 16.7 50.1#
77 0.0 25.0 37.4#

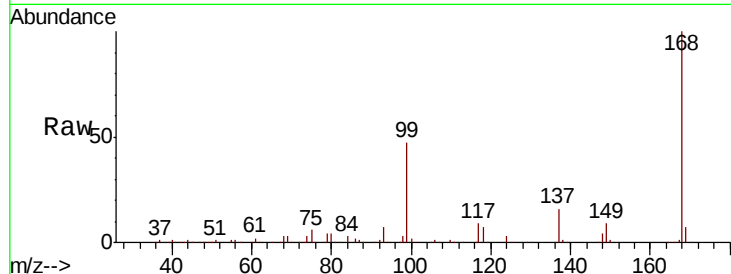




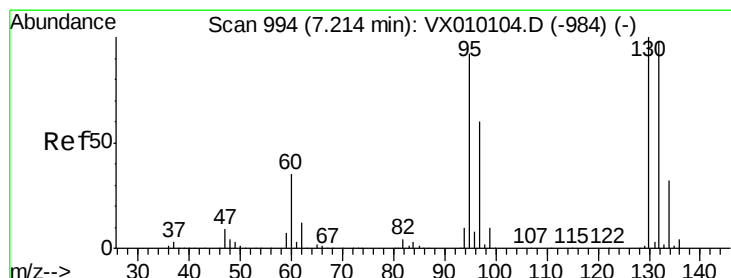
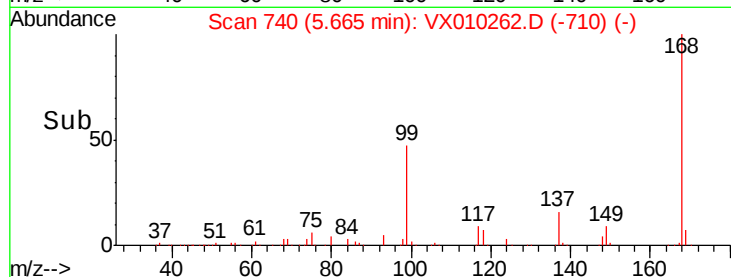
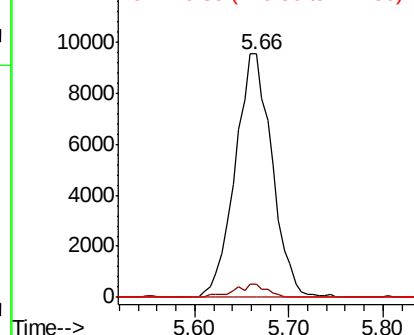
#38
Carbon Tetrachloride
Concen: 6.137 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20190607

Tot Ion:117 Resp: 26163
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 25.4 38.0#

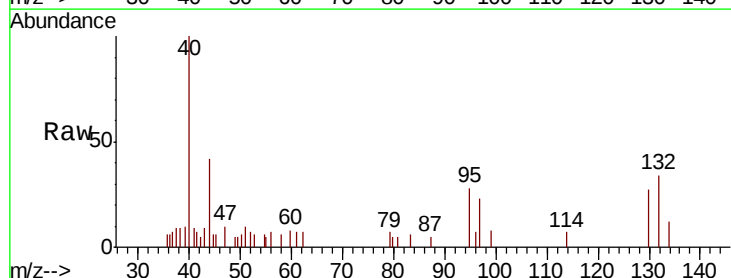


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

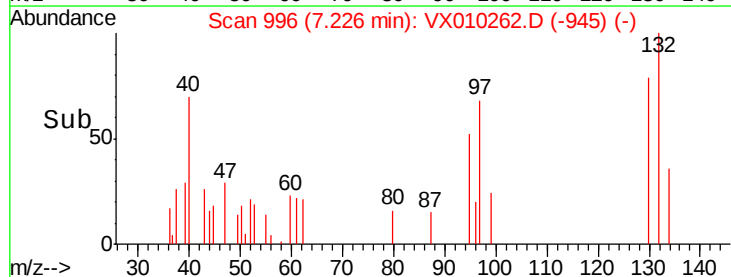
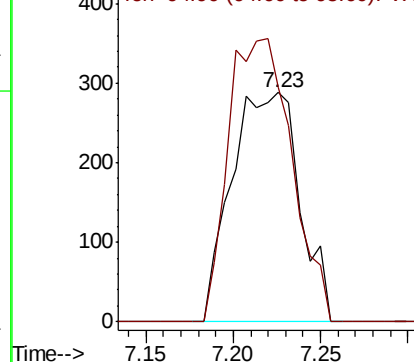


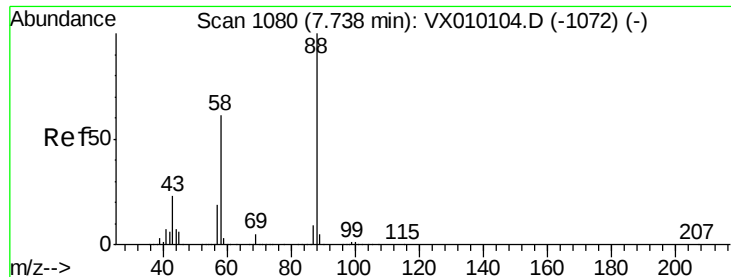
#44
Trichloroethene
Concen: 0.222 ug/l
RT: 7.23 min Scan# 996
Delta R.T. 0.01 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

Tgt Ion:130 Resp: 780
Ion Ratio Lower Upper
130 100
95 102.4 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

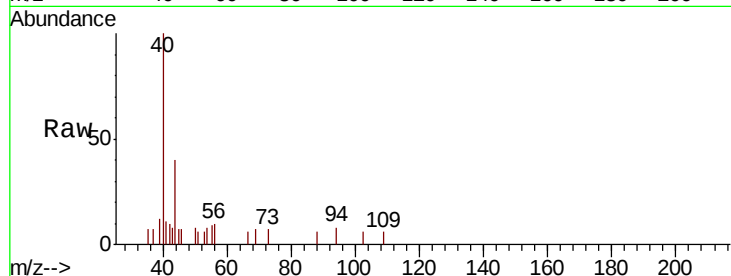




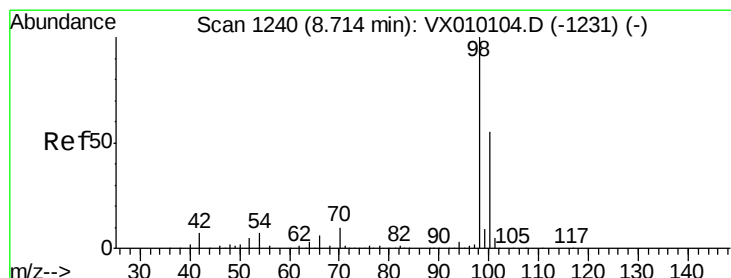
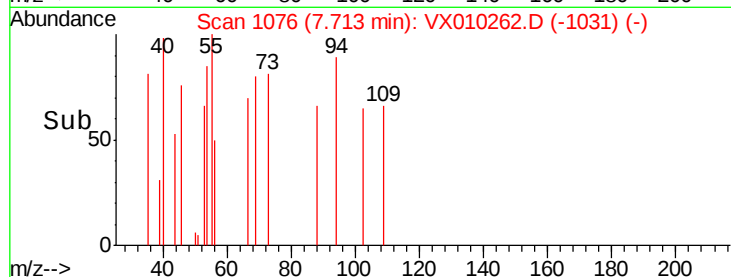
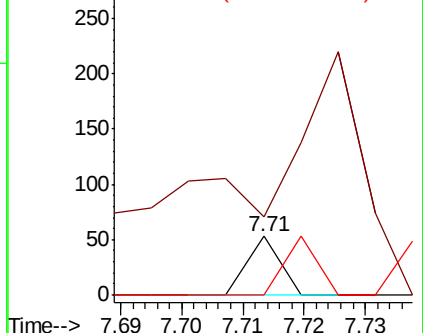
#49
1,4-Dioxane
Concen: 0.217 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20190607

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1368.4 30.2 45.4#
58 100.0 64.0 96.0#

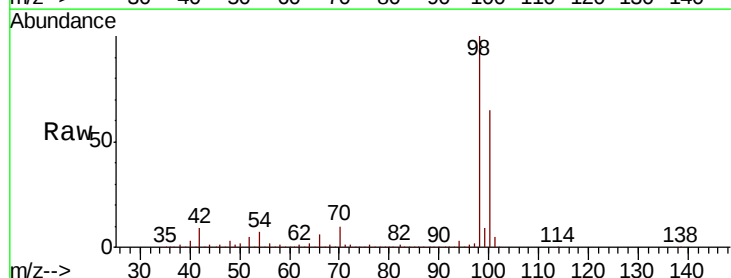


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

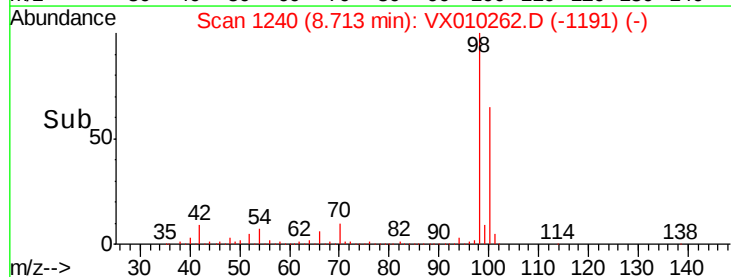
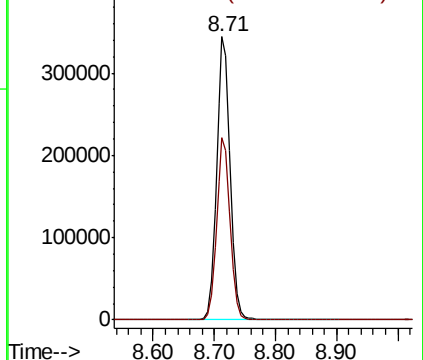


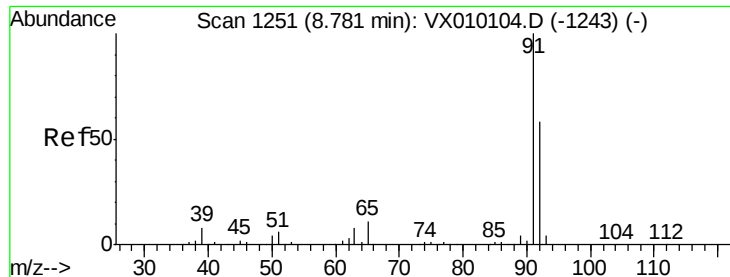
#50
Toluene-d8
Concen: 50.791 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

Tgt Ion: 98 Resp: 542064
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.210 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010262.D

Acq: 12 Jun 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

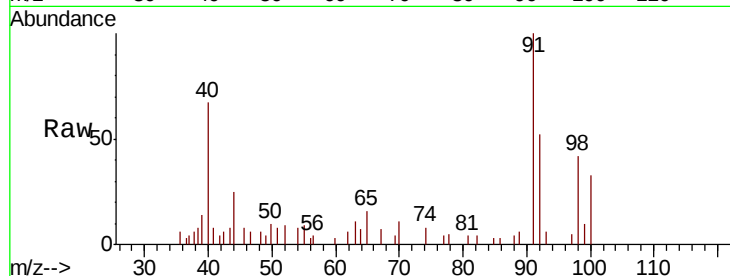
RE104D3-20190607

Tot Ion: 92 Resp: 1608

Ion Ratio Lower Upper

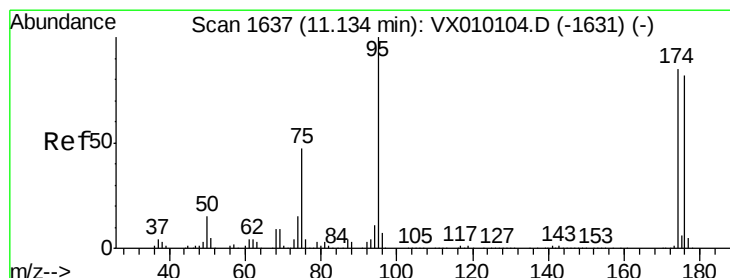
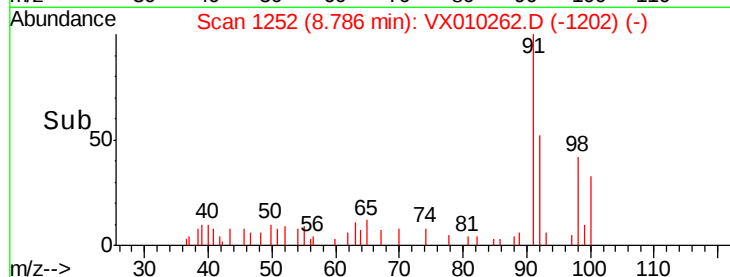
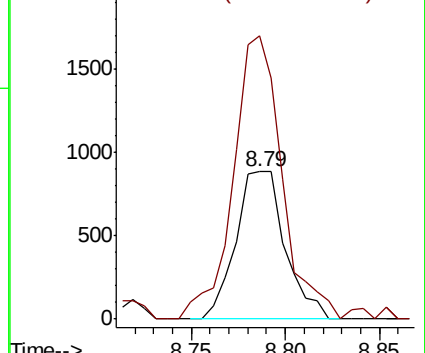
92 100

91 190.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.483 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010262.D

Acq: 12 Jun 2019 19:41

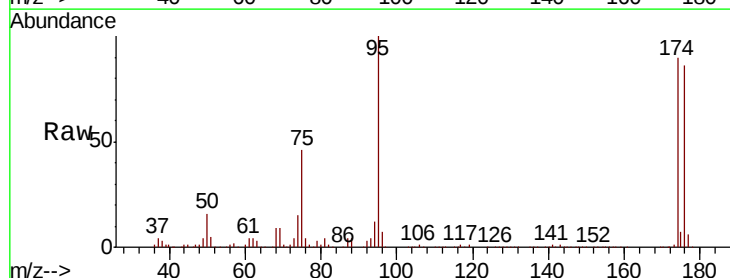
Tgt Ion: 95 Resp: 185269

Ion Ratio Lower Upper

95 100

174 95.0 0.0 160.4

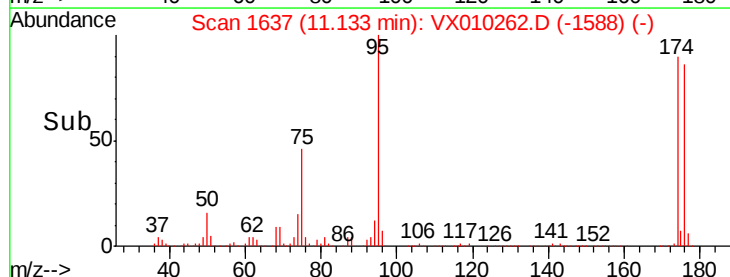
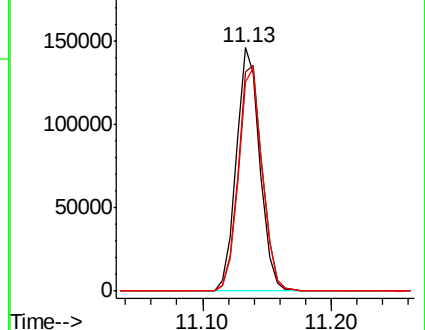
176 92.6 0.0 154.6

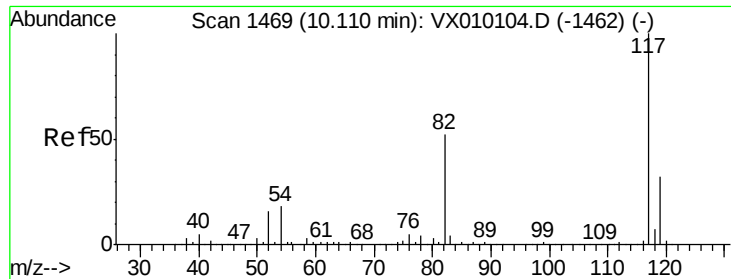


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

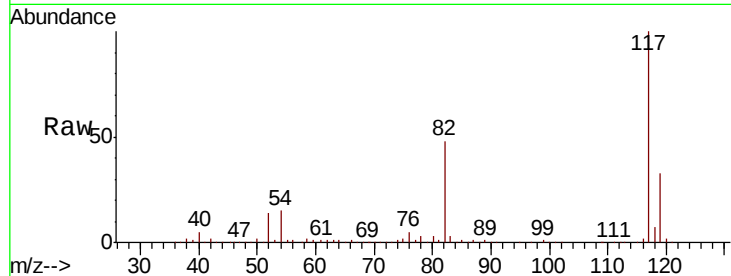




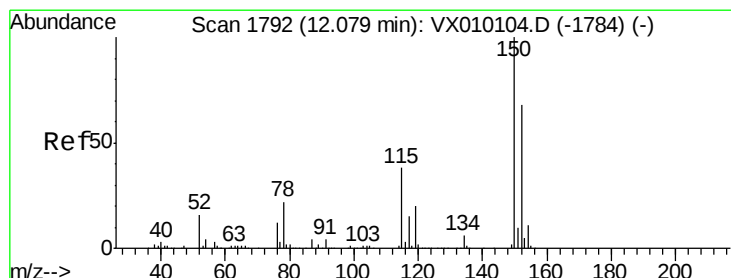
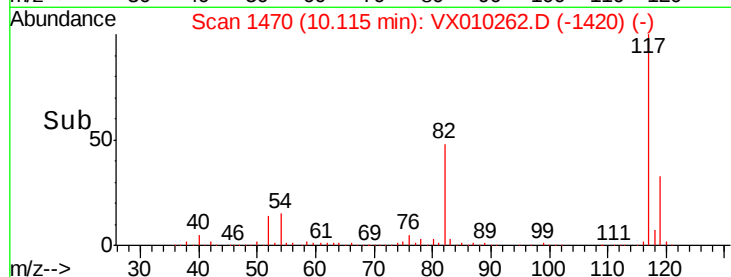
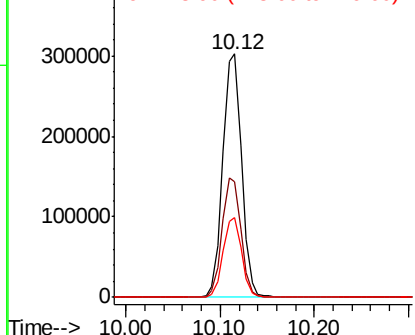
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20190607

Tot Ion:117 Resp: 419938
Ion Ratio Lower Upper
117 100
82 47.6 49.2 73.8#
119 32.6 25.2 37.8

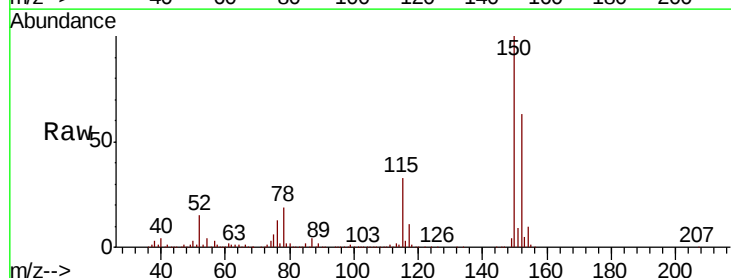


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

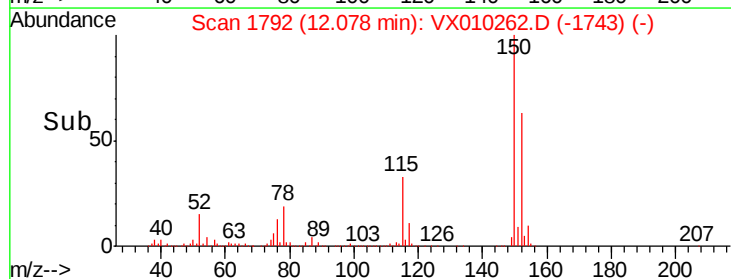
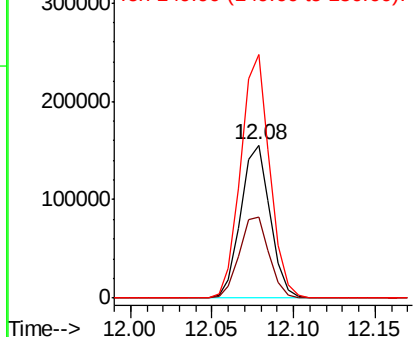


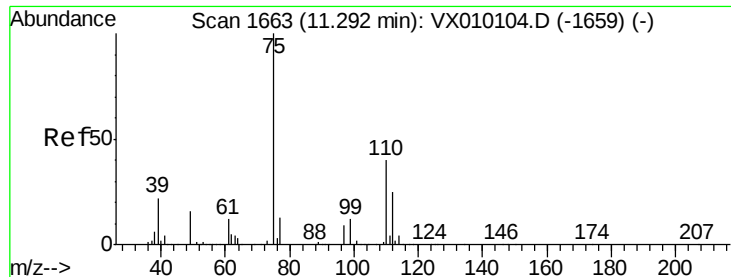
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010262.D
Acq: 12 Jun 2019 19:41

Tgt Ion:152 Resp: 195646
Ion Ratio Lower Upper
152 100
115 53.6 41.4 124.2
150 157.2 0.0 345.2



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

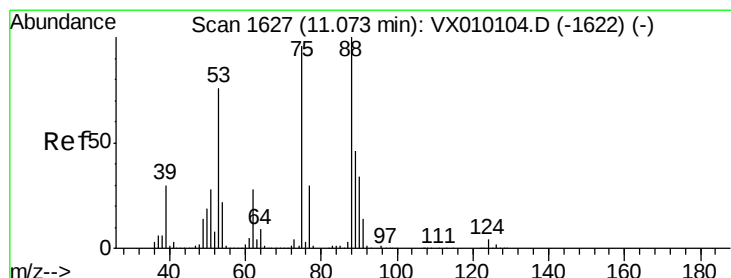
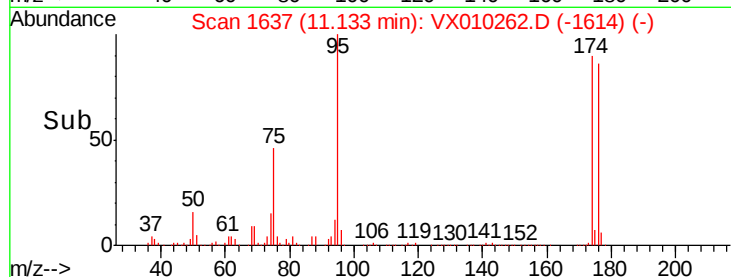
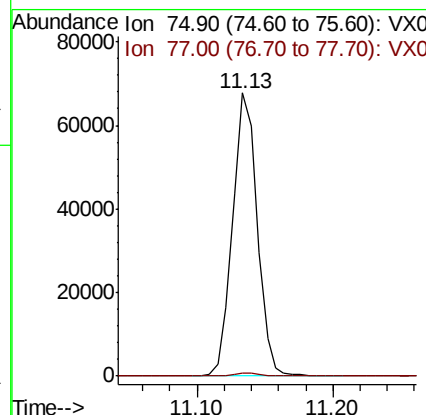
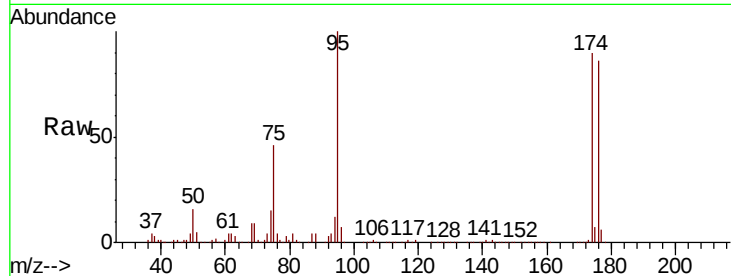




#76
 1,2,3-Trichloropropane
 Concen: 21.874 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010262.D
 Acq: 12 Jun 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-20190607

Tot Ion: 75 Resp: 85600
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.329 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010262.D
 Acq: 12 Jun 2019 19:41

Tgt Ion: 75 Resp: 85600
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.1 34.2 51.4#

