

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102819\NOT REVIEWED DATA\
 Data File : VX013250.D
 Acq On : 28 Oct 2019 16:11
 Operator : JC/SP
 Sample : K5569-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-102519

Quant Time: Oct 29 19:22:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	71947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	108952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	105353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	67080	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	78844	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	5.48	113	59717	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	8.71	98	211917	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
62) 4-Bromofluorobenzene	11.13	95	78966	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	

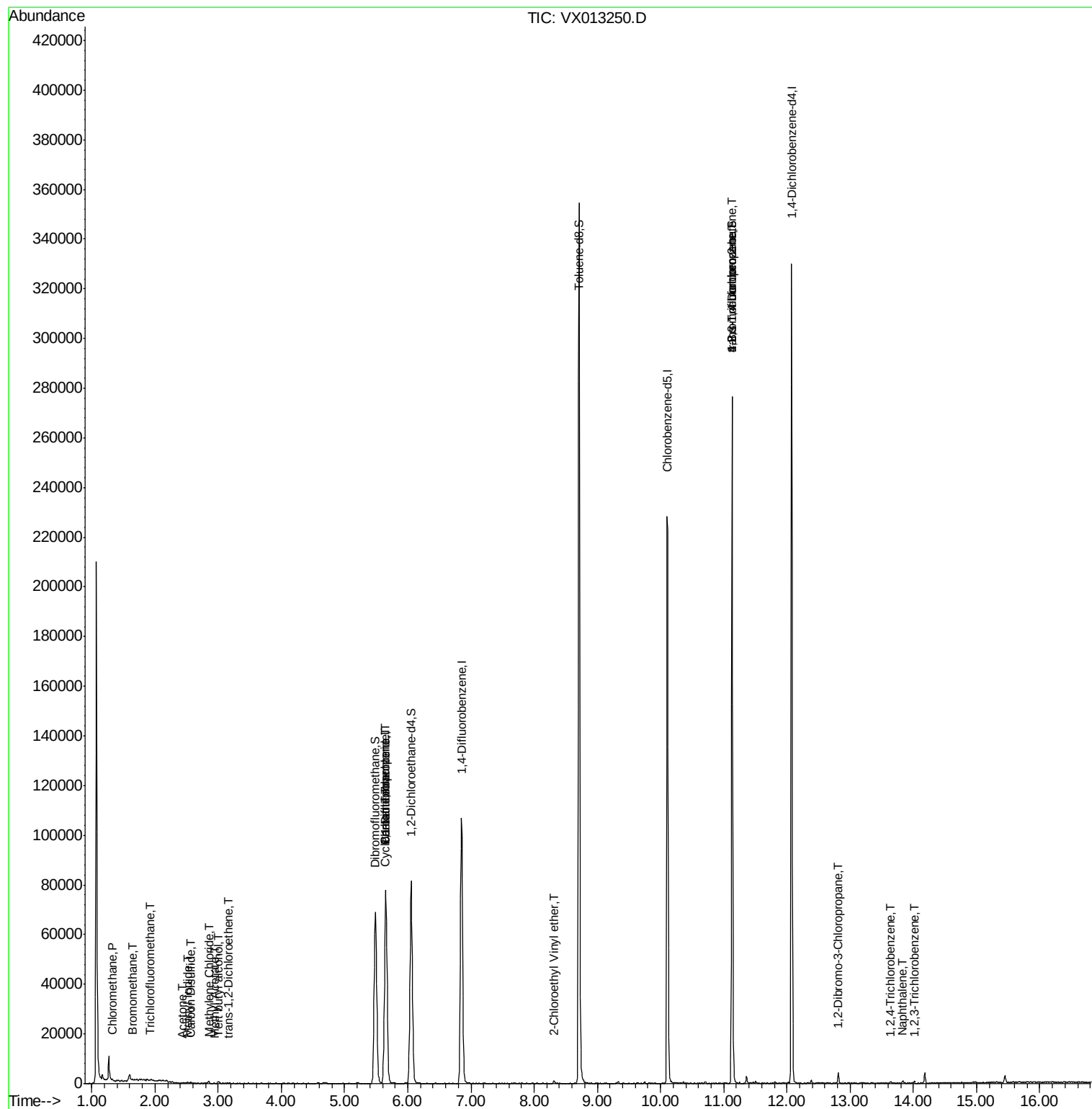
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	95	1.055	ug/l #	40
5) Bromomethane	1.65	94	350	0.505	ug/l #	3
6) Chloroethane	1.72	64	301	Below Cal	#	43
7) Trichlorofluoromethane	1.92	101	80	0.337	ug/l #	78
10) Methyl Iodide	2.52	142	536	3.850	ug/l #	79
11) Tert butyl alcohol	3.00	59	547	0.616	ug/l #	72
16) Acetone	2.43	43	218	0.307	ug/l #	45
17) Carbon Disulfide	2.56	76	800	0.243	ug/l #	74
18) Methyl Acetate	2.94	43	29	0.987	ug/l #	49
20) Methylene Chloride	2.85	84	355	0.555	ug/l #	79
21) trans-1,2-Dichloroethene	3.16	96	30	0.499	ug/l #	1
31) Cyclohexane	5.64	56	1441	0.740	ug/l #	54
36) 1,1-Dichloropropene	5.65	75	5421	2.900	ug/l #	46
38) Carbon Tetrachloride	5.65	117	7559	3.754	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.32	63	518	0.615	ug/l #	75
64) Tetrachloroethene	9.34	164	57	Below Cal	#	66
76) 1,2,3-Trichloropropane	11.13	75	39911	24.686	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	39911	67.836	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	99	0.215	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.64	180	343	0.210	ug/l #	79
95) Naphthalene	13.83	128	1033	0.206	ug/l #	81
96) 1,2,3-Trichlorobenzene	14.02	180	326	0.202	ug/l	77

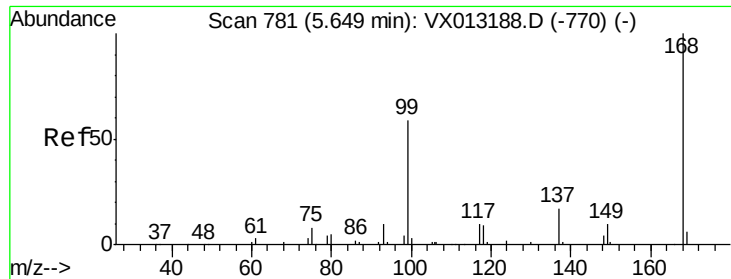
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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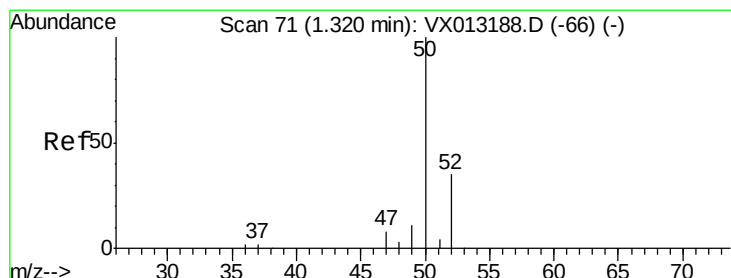
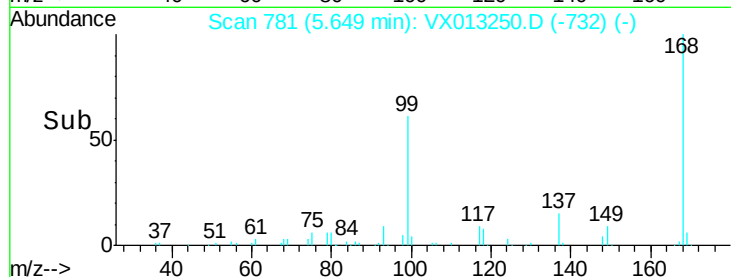
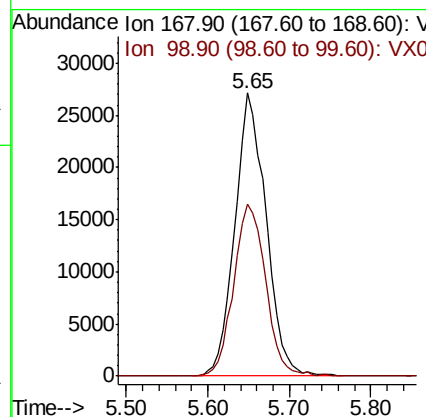
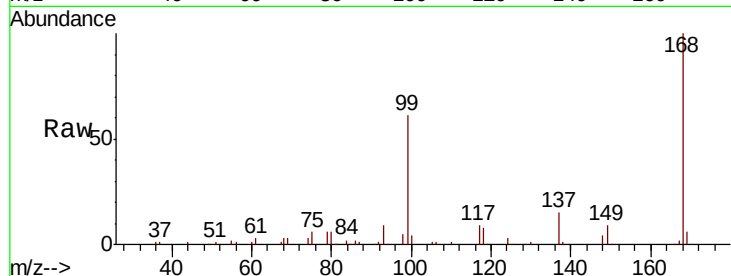




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

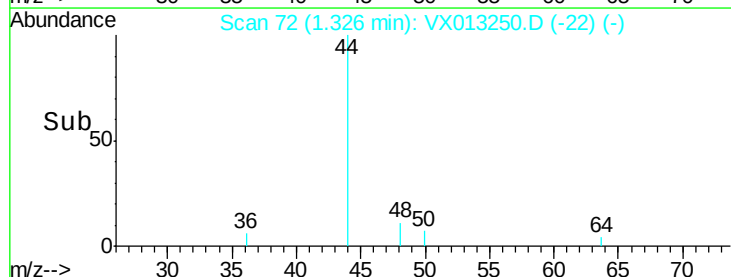
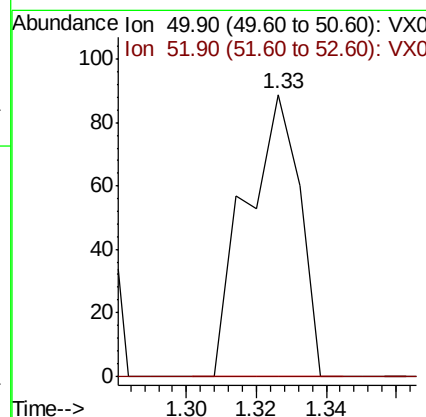
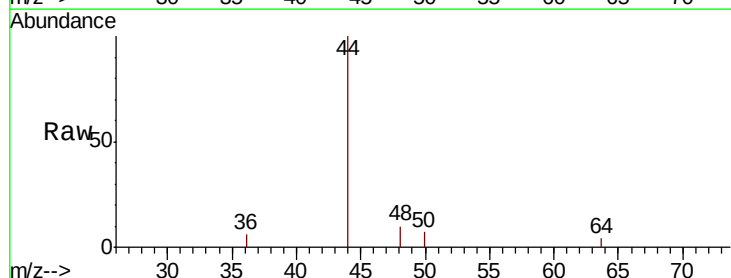
Instrument :
MSVOA_X
ClientSampleId :
TB-01-102519

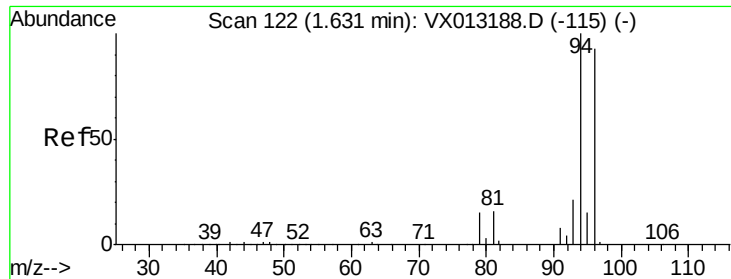
Tot Ion:168 Resp: 71947
Ion Ratio Lower Upper
168 100
99 60.9 47.0 70.4



#3
Chloromethane
Concen: 1.055 ug/l
RT: 1.33 min Scan# 72
Delta R.T. 0.01 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

Tgt Ion: 50 Resp: 95
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#





#5

Bromomethane

Concen: 0.505 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampled :

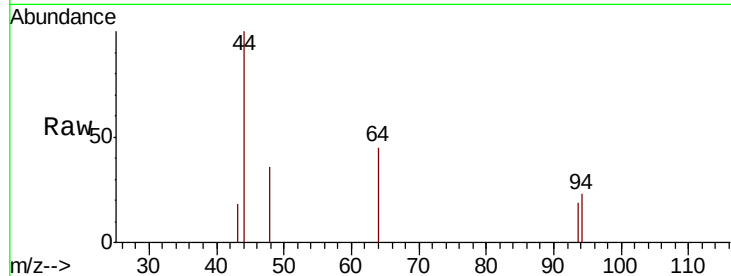
TB-01-102519

Tot Ion: 94 Resp: 350

Ion Ratio Lower Upper

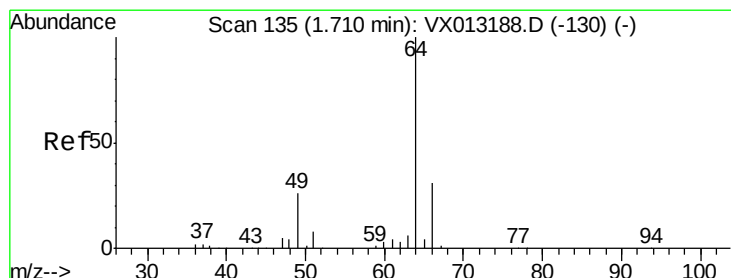
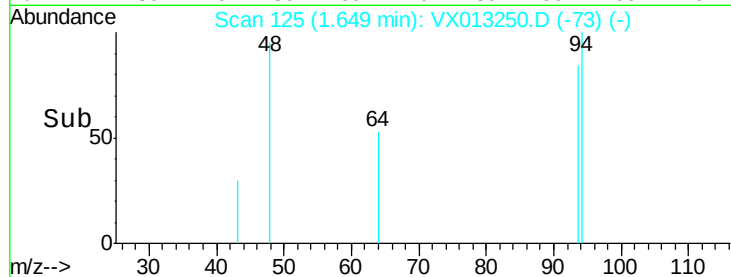
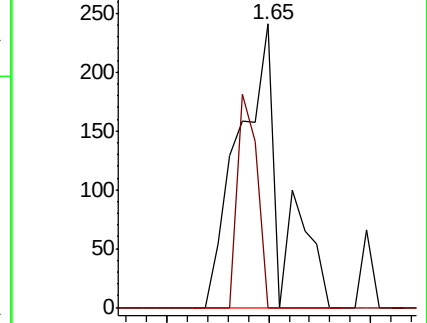
94 100

96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013250.D

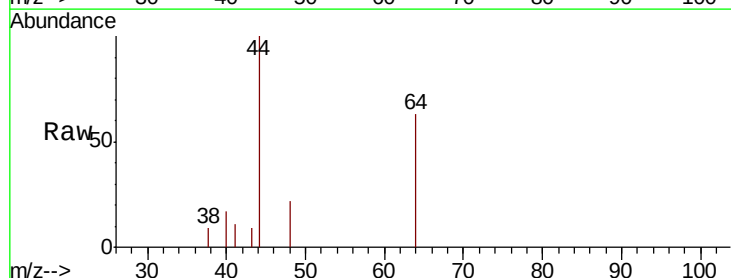
Acq: 28 Oct 2019 16:11

Tgt Ion: 64 Resp: 301

Ion Ratio Lower Upper

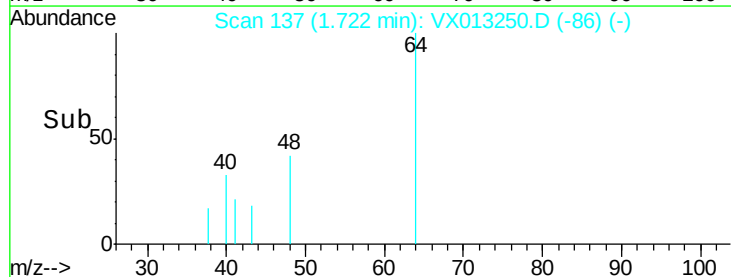
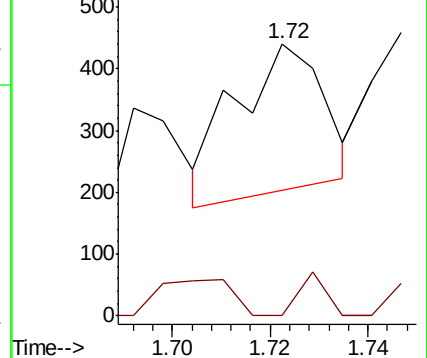
64 100

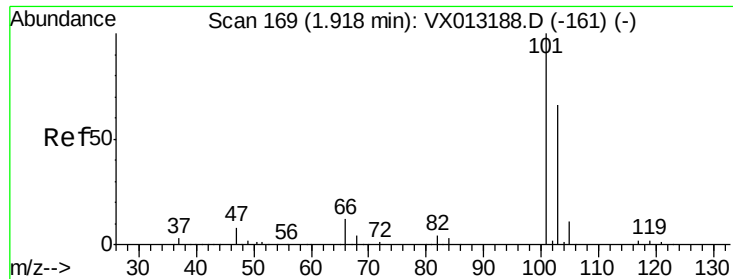
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



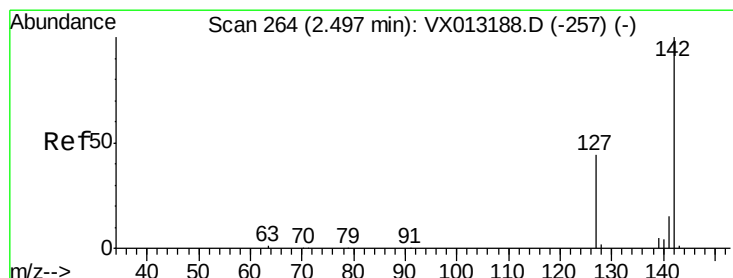
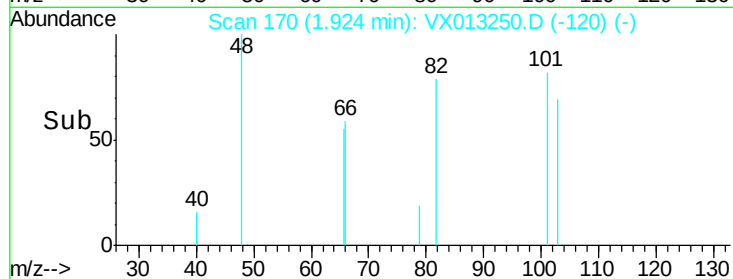
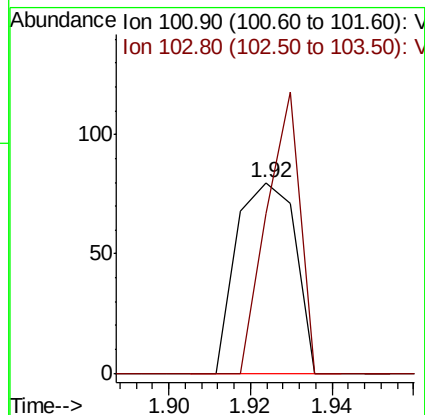
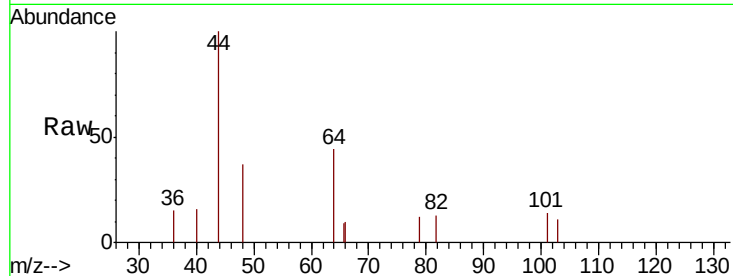


#7

Trichlorofluoromethane
Concen: 0.337 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :
TB-01-102519

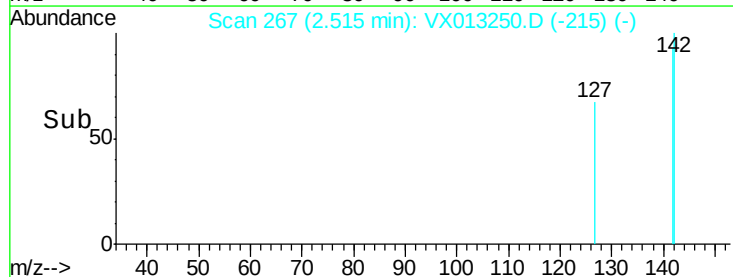
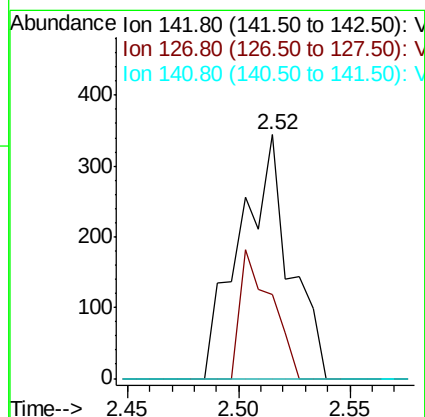
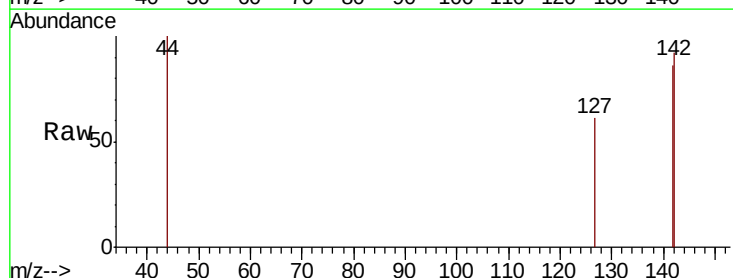
Tot Ion:101 Resp: 80
Ion Ratio Lower Upper
101 100
103 83.8 53.0 79.6#

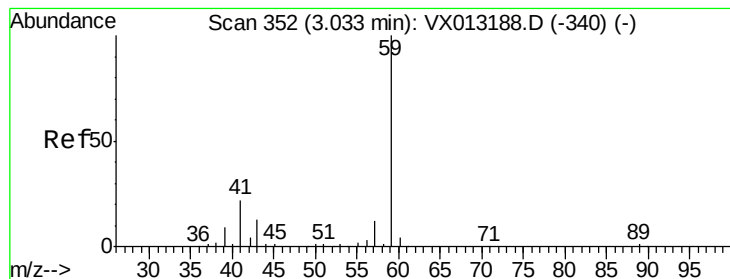


#10

Methyl Iodide
Concen: 3.850 ug/l
RT: 2.52 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

Tgt Ion:142 Resp: 536
Ion Ratio Lower Upper
142 100
127 33.6 35.6 53.4#
141 0.0 11.6 17.4#



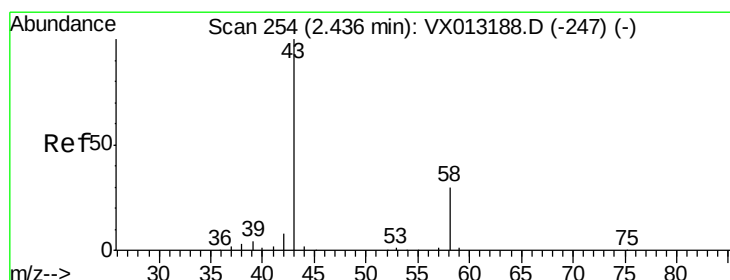
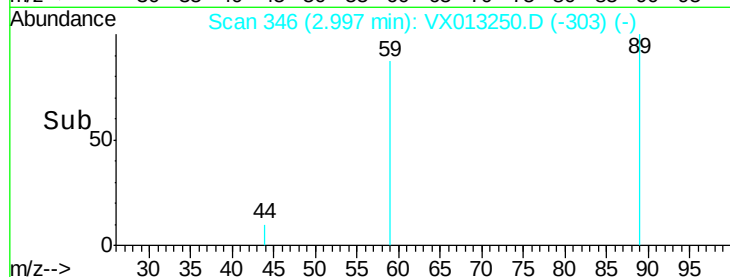
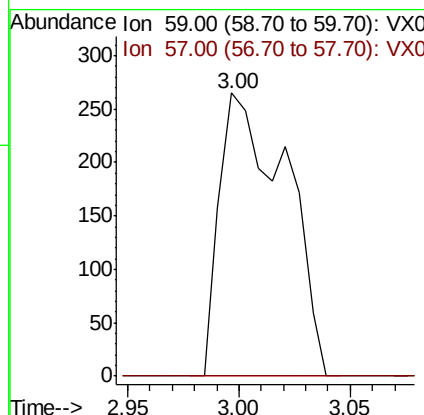
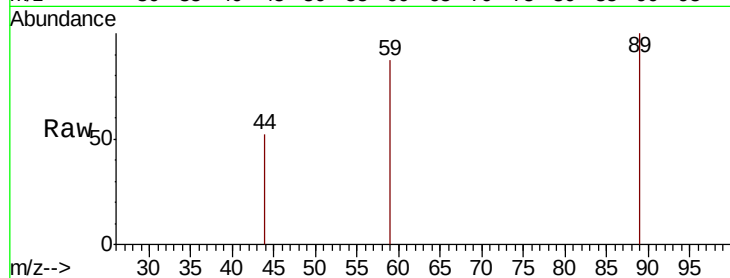


#11

Tert butyl alcohol
 Concen: 0.616 ug/l
 RT: 3.00 min Scan# 346
 Delta R.T. -0.04 min
 Lab File: VX013250.D
 Acq: 28 Oct 2019 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-102519

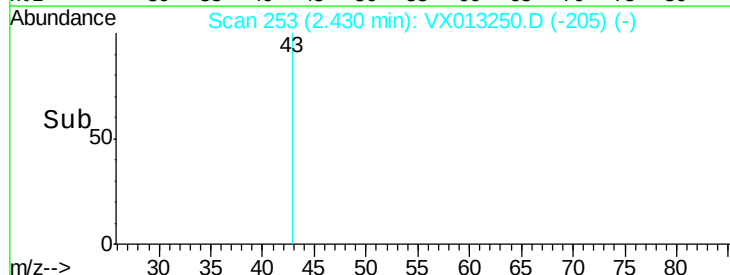
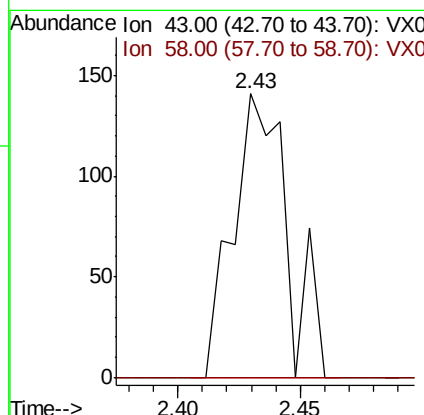
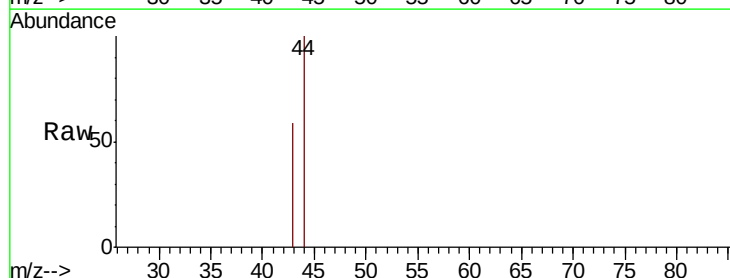
Tot Ion: 59 Resp: 547
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

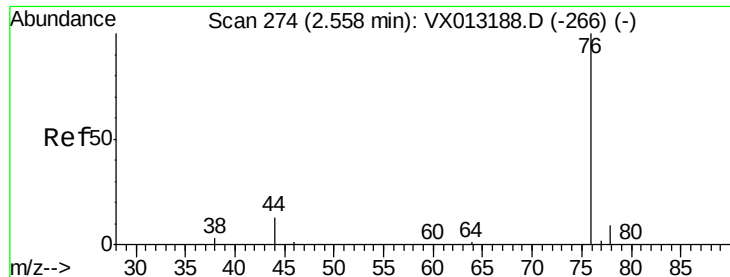


#16

Acetone
 Concen: 0.307 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013250.D
 Acq: 28 Oct 2019 16:11

Tgt Ion: 43 Resp: 218
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.8 35.6#





#17

Carbon Disulfide

Concen: 0.243 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

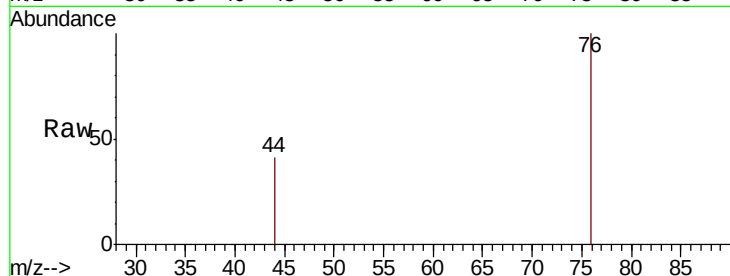
TB-01-102519

Tot Ion: 76 Resp: 800

Ion Ratio Lower Upper

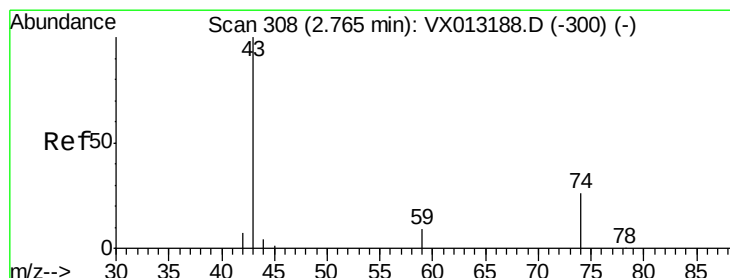
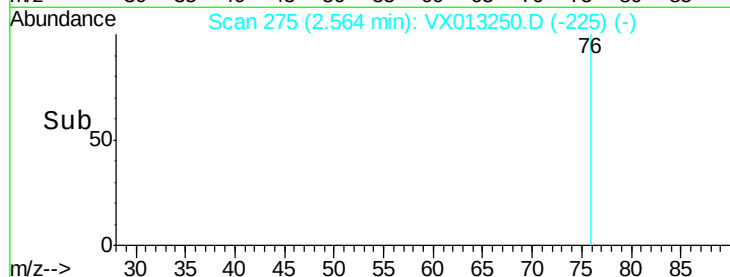
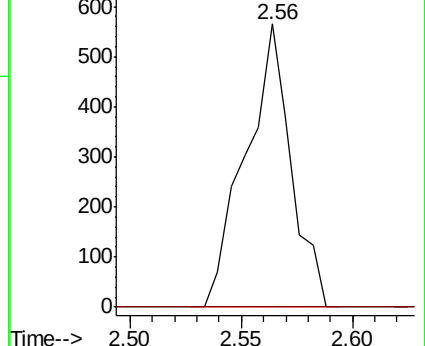
76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.987 ug/l

RT: 2.94 min Scan# 337

Delta R.T. 0.18 min

Lab File: VX013250.D

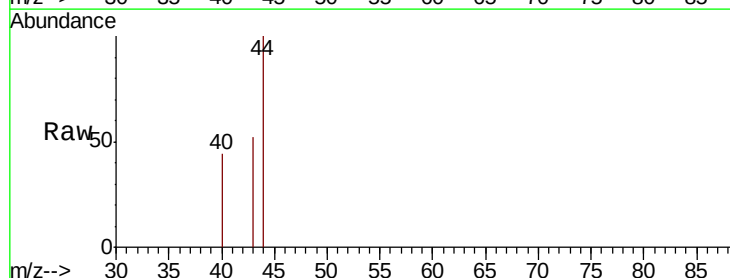
Acq: 28 Oct 2019 16:11

Tgt Ion: 43 Resp: 29

Ion Ratio Lower Upper

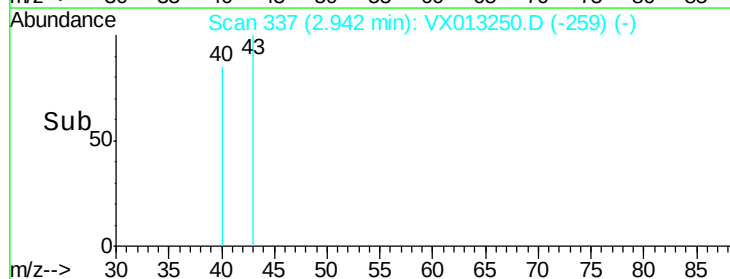
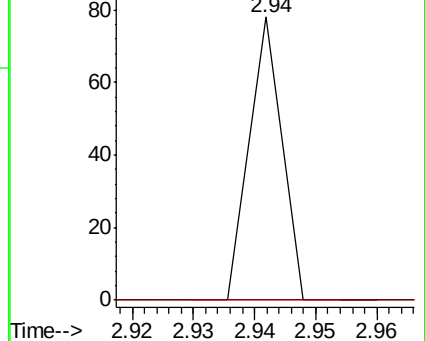
43 100

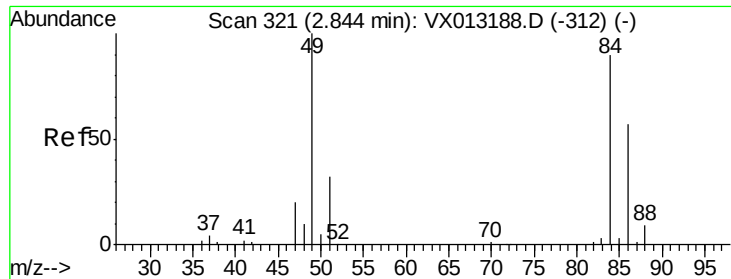
74 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

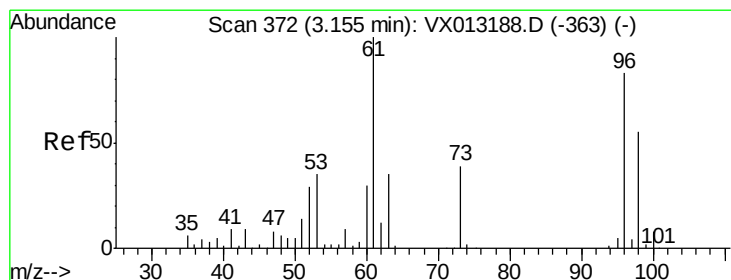
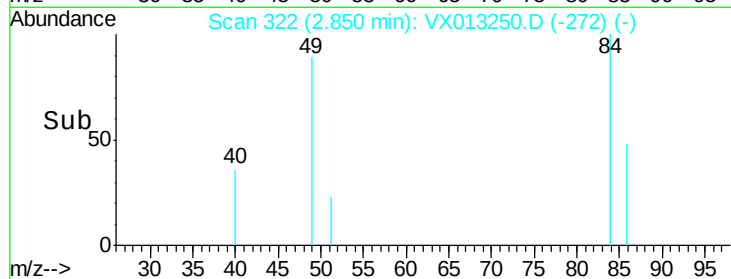
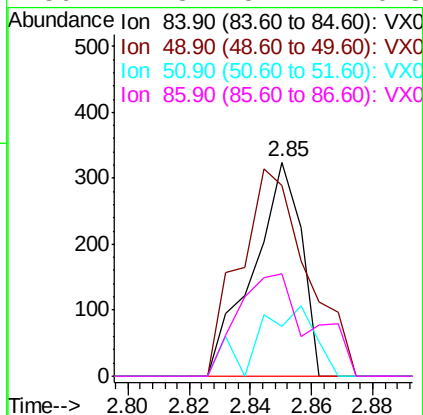
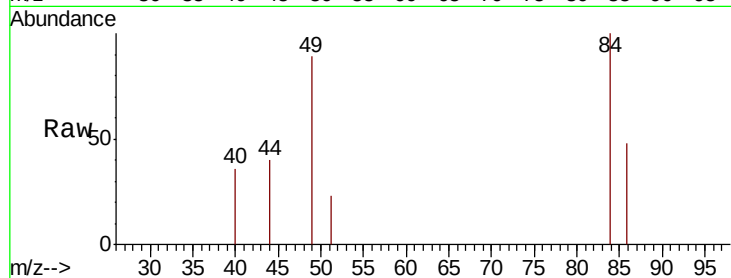




#20
Methylene Chloride
Concen: 0.555 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

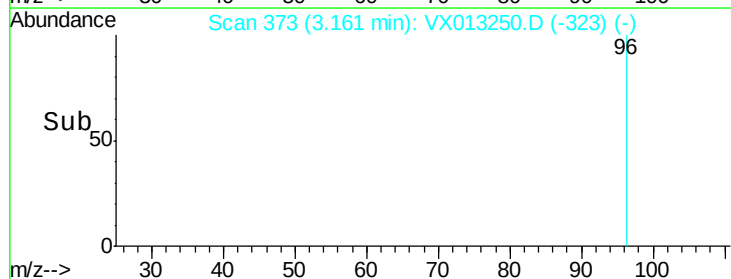
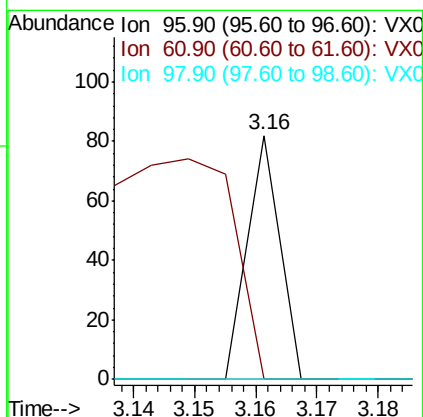
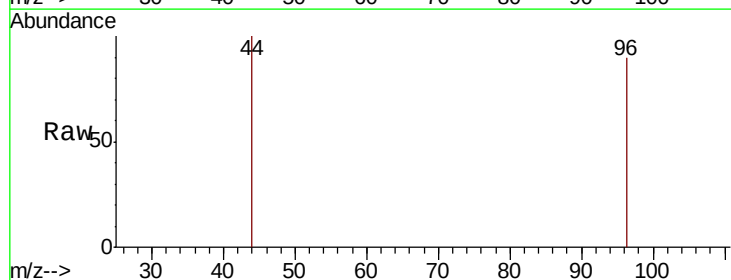
Instrument :
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TB-01-102519

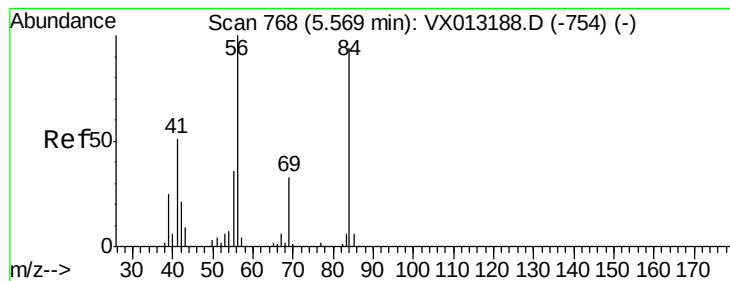
Tot Ion: 84 Resp: 355
Ion Ratio Lower Upper
84 100
49 89.2 89.2 133.8#
51 23.5 28.8 43.2#
86 47.8 51.2 76.8#



#21
trans-1,2-Dichloroethene
Concen: 0.499 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

Tgt Ion: 96 Resp: 30
Ion Ratio Lower Upper
96 100
61 0.0 96.9 145.3#
98 0.0 53.0 79.4#





#31

Cyclohexane

Concen: 0.740 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.07 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102519

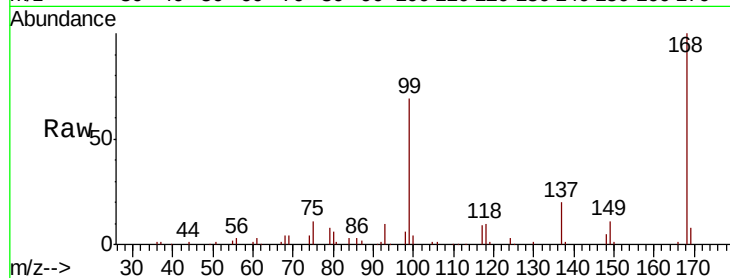
Tot Ion: 56 Resp: 1441

Ion Ratio Lower Upper

56 100

69 113.7 26.3 39.5#

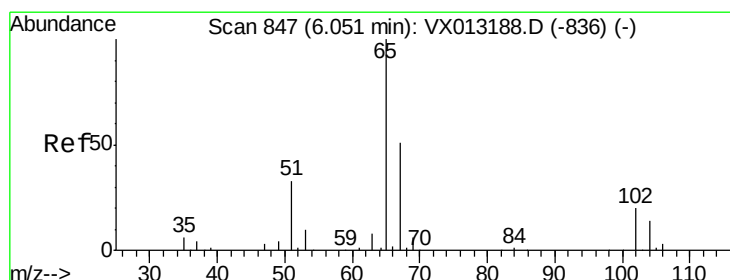
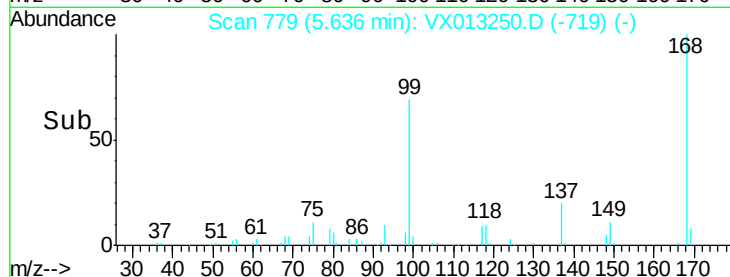
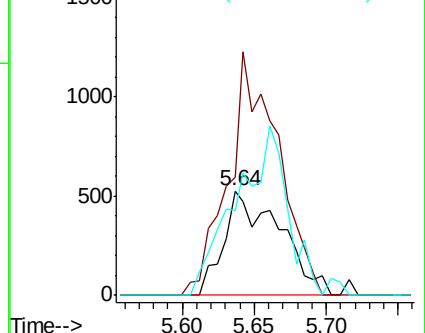
84 80.8 73.8 110.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.395 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013250.D

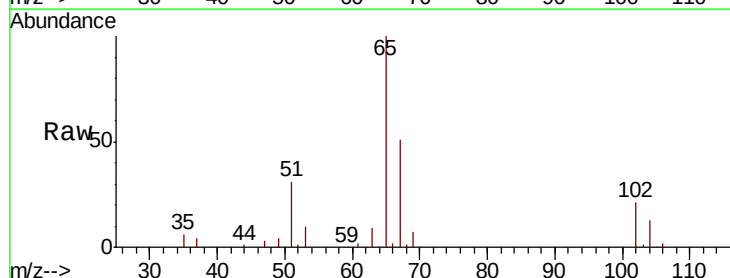
Acq: 28 Oct 2019 16:11

Tgt Ion: 65 Resp: 78844

Ion Ratio Lower Upper

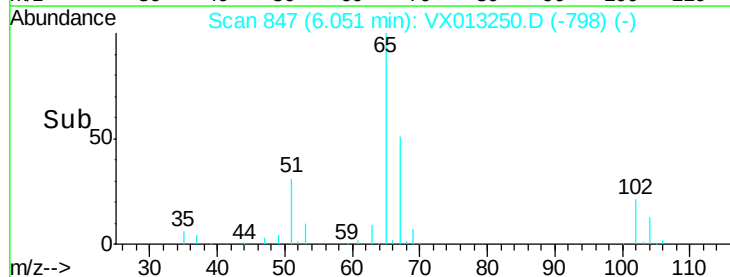
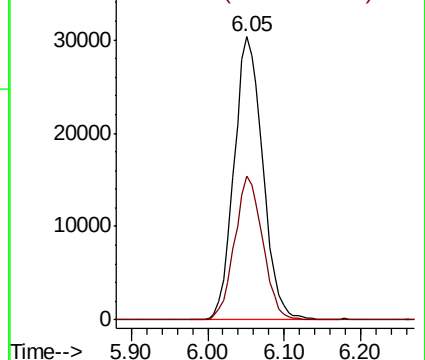
65 100

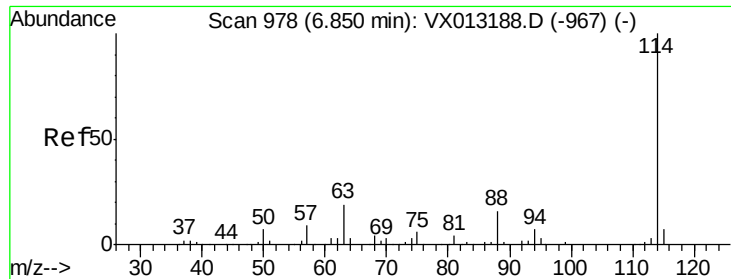
67 49.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102519

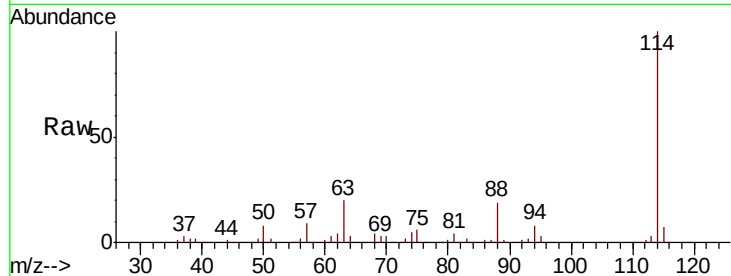
Tot Ion:114 Resp: 108952

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

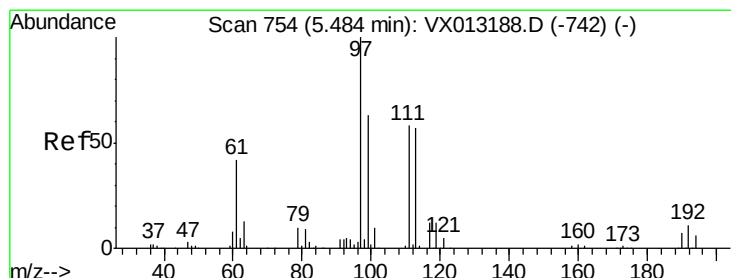
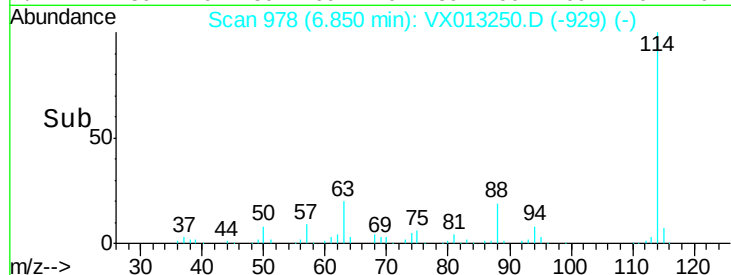
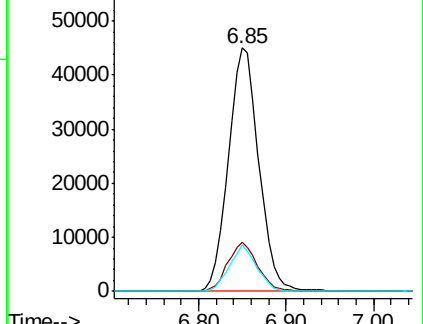
88 19.2 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.151 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

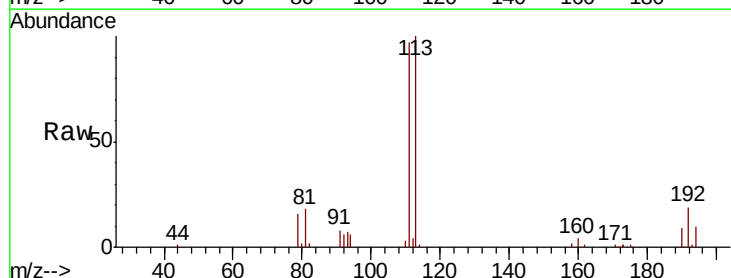
Tgt Ion:113 Resp: 59717

Ion Ratio Lower Upper

113 100

111 102.4 80.3 120.5

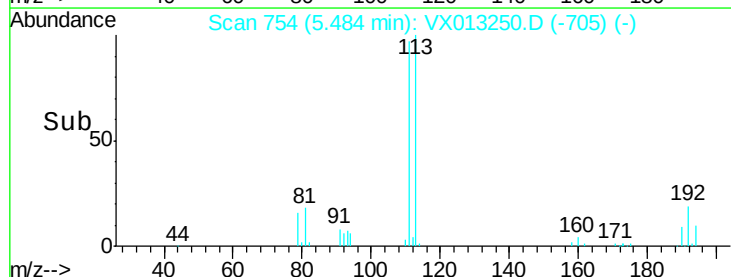
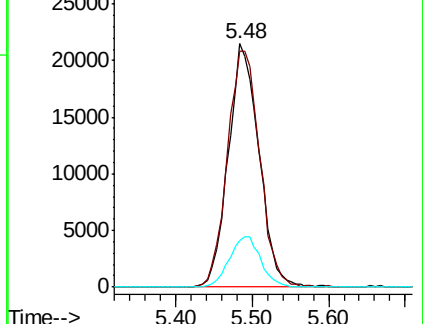
192 21.2 15.9 23.9

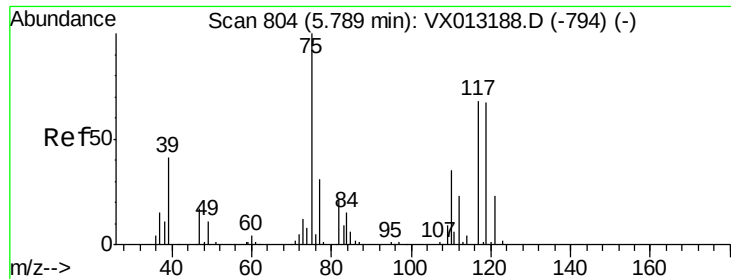


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

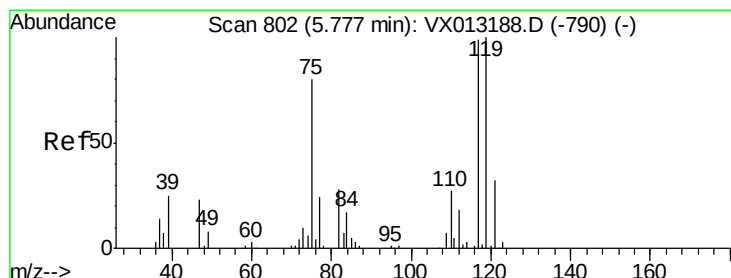
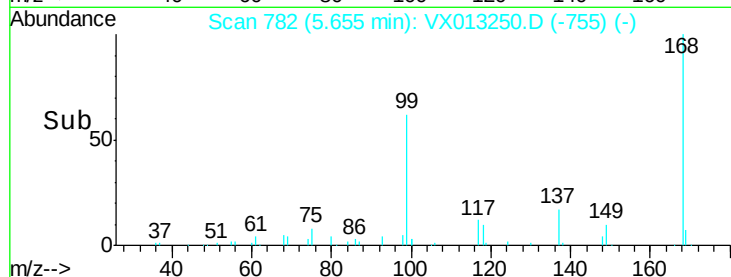
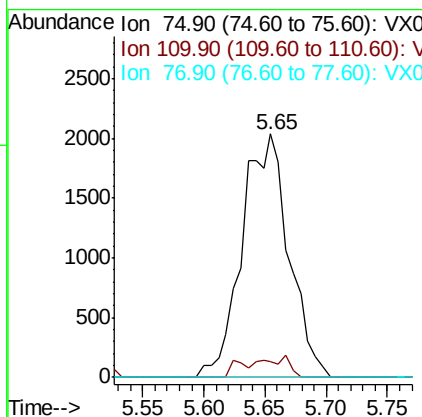
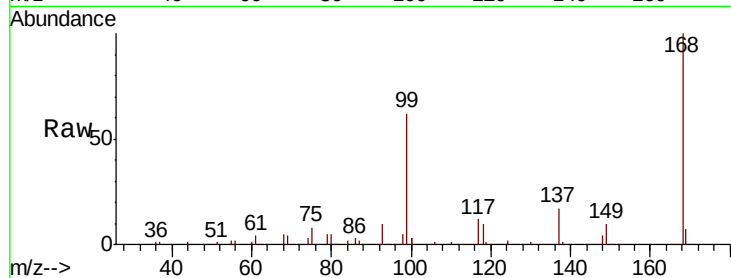




#36
 1,1-Dichloropropene
 Concen: 2.900 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013250.D
 Acq: 28 Oct 2019 16:11

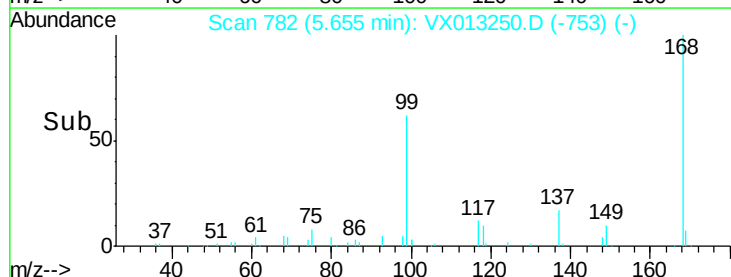
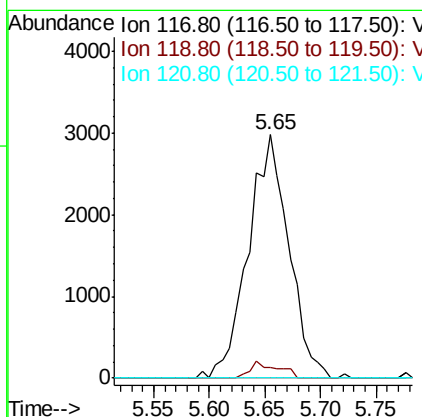
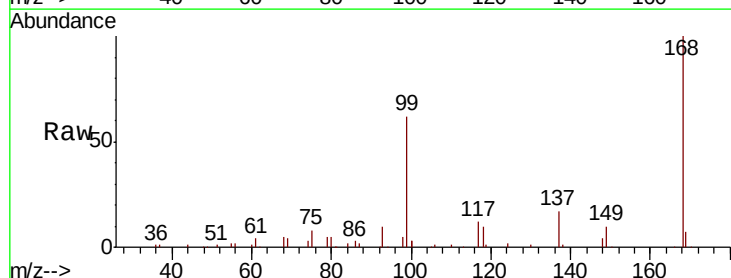
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-102519

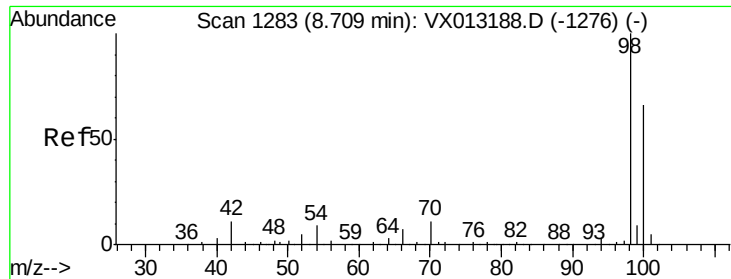
Tot Ion: 75 Resp: 5421
 Ion Ratio Lower Upper
 75 100
 110 5.1 17.6 52.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 3.754 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX013250.D
 Acq: 28 Oct 2019 16:11

Tgt Ion: 117 Resp: 7559
 Ion Ratio Lower Upper
 117 100
 119 4.5 80.1 120.1#
 121 0.0 25.5 38.3#

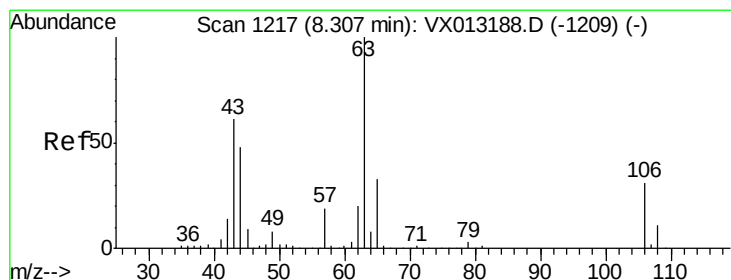
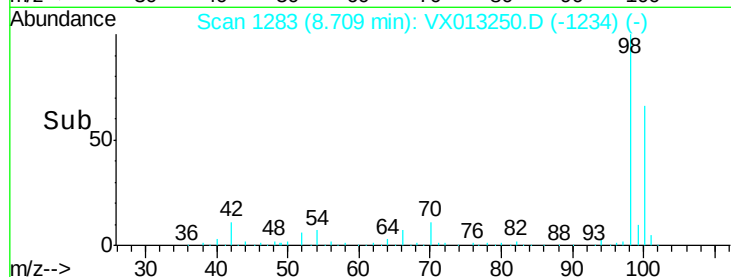
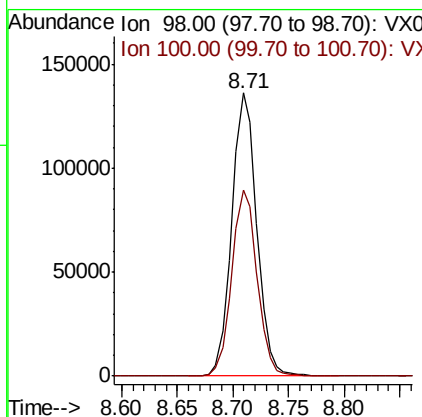
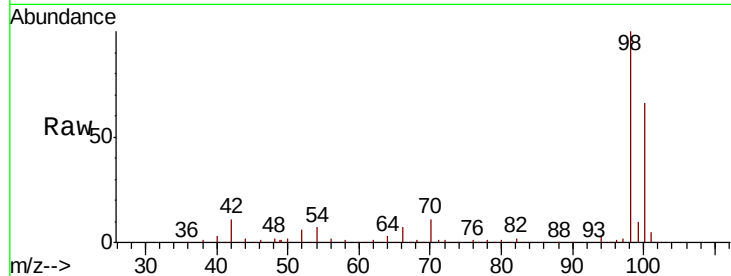




#50
Toluene-d8
Concen: 47.066 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

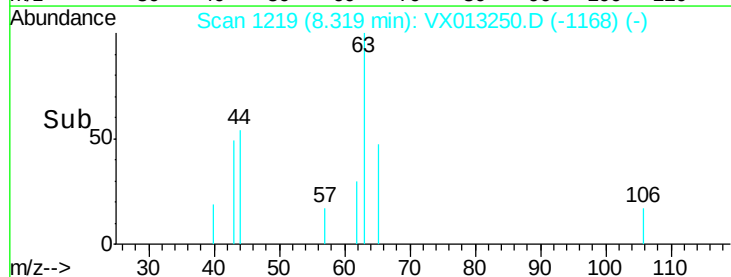
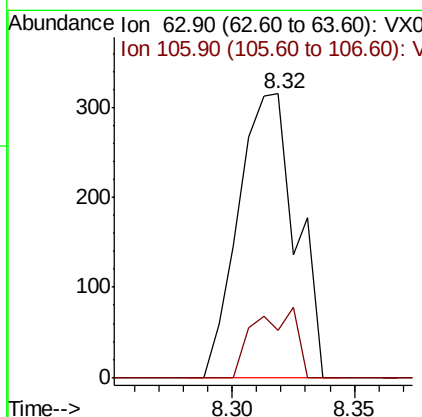
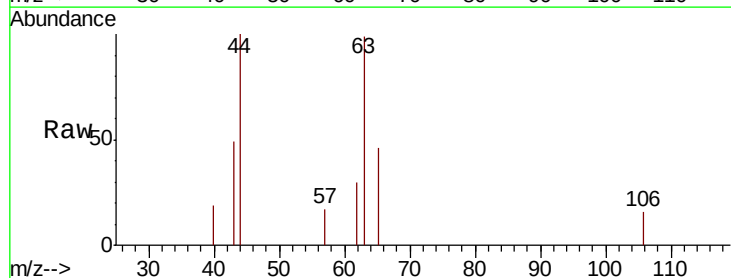
Instrument :
MSVOA_X
ClientSampleId :
TB-01-102519

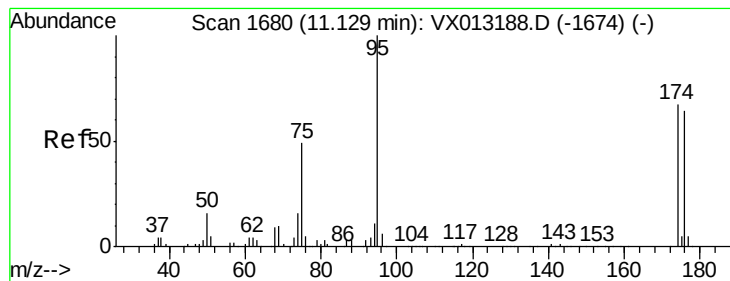
Tot Ion: 98 Resp: 211917
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9



#58
2-Chloroethyl Vinyl ether
Concen: 0.615 ug/l
RT: 8.32 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

Tgt Ion: 63 Resp: 518
Ion Ratio Lower Upper
63 100
106 18.0 25.4 38.0#





#62

4-Bromofluorobenzene

Concen: 44.310 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102519

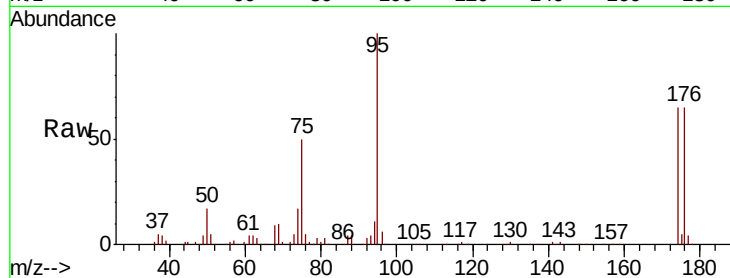
Tot Ion: 95 Resp: 78966

Ion Ratio Lower Upper

95 100

174 76.1 0.0 152.4

176 75.1 0.0 146.0



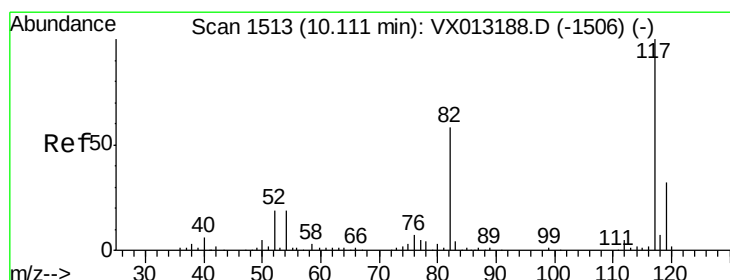
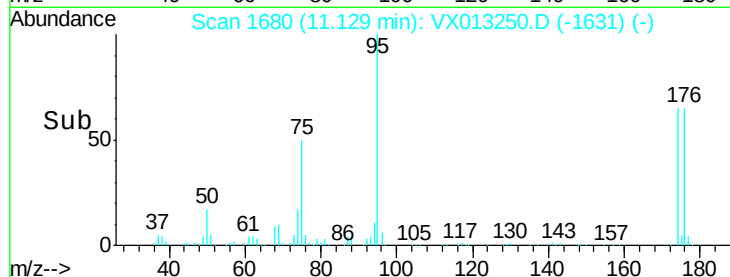
Abundance Ion 94.90 (94.60 to 95.60): VX013250.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX013250.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX013250.D (-1631) (-)

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

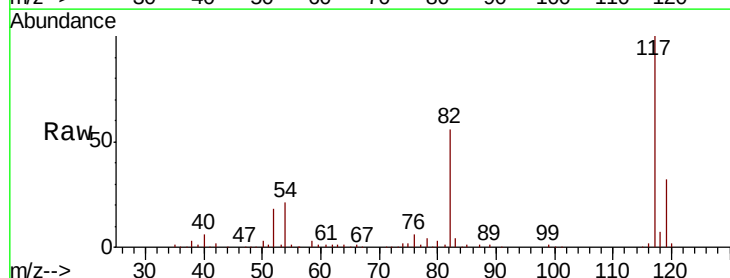
Tgt Ion: 117 Resp: 105353

Ion Ratio Lower Upper

117 100

82 56.4 46.5 69.7

119 32.0 25.2 37.8



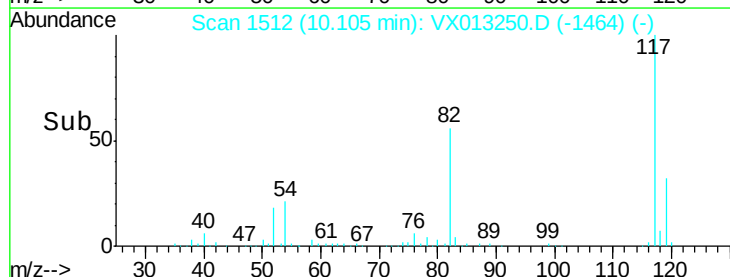
Abundance Ion 116.90 (116.60 to 117.60): VX013250.D (-1464) (-)

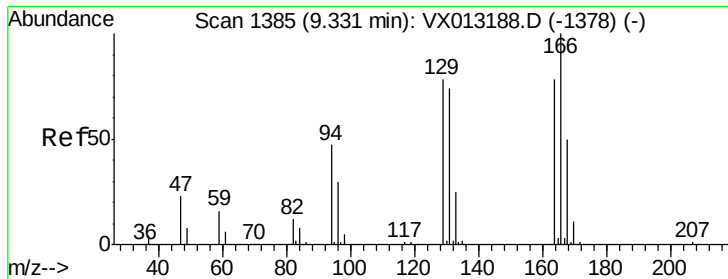
Ion 82.00 (81.70 to 82.70): VX013250.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013250.D (-1464) (-)

10.11

Time-->





#64

Tetrachloroethene

Concen: Below Cal

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

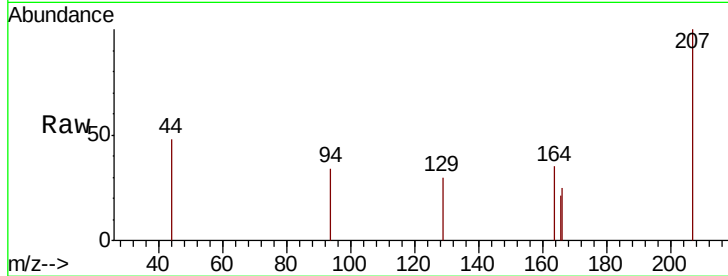
Instrument :

MSVOA_X

ClientSampleId :

TB-01-102519

Tot Ion:	164	Resp:	57
Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.2	153.4
129	84.3	79.8	119.8
131	0.0	75.3	112.9#



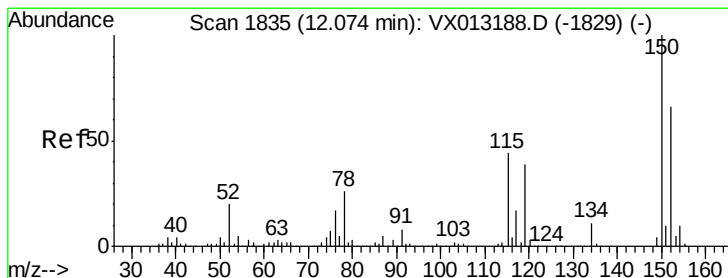
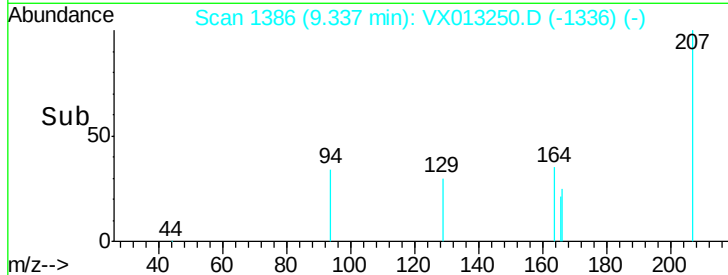
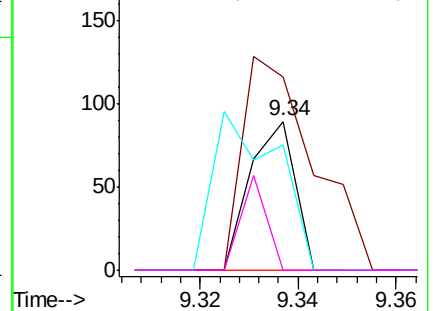
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

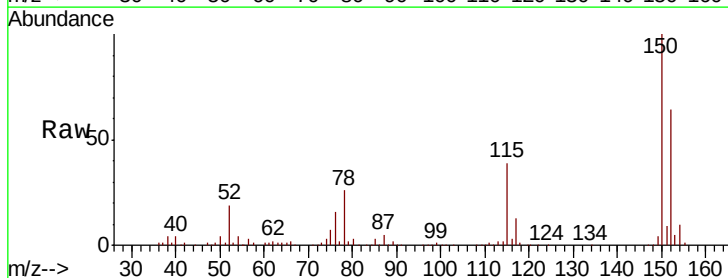
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

Tgt Ion:	152	Resp:	67080
Ion	Ratio	Lower	Upper
152	100		
115	61.0	46.6	139.8
150	153.4	0.0	354.0

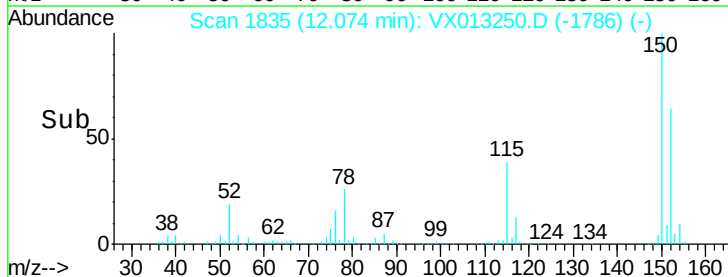
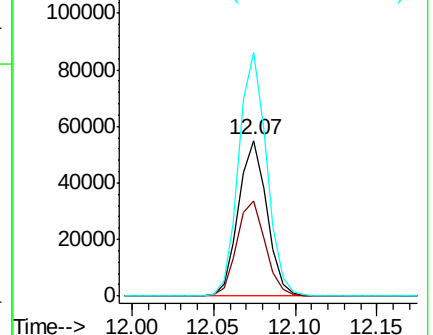


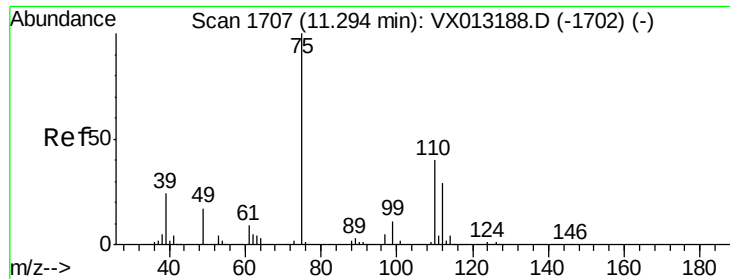
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

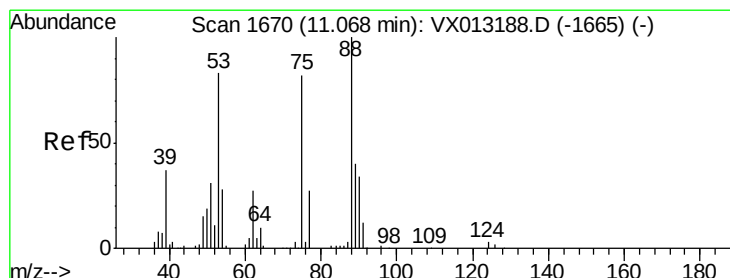
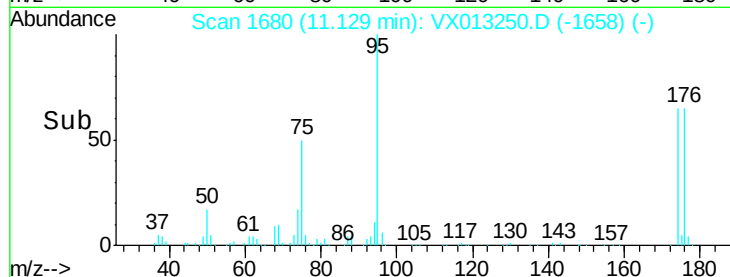
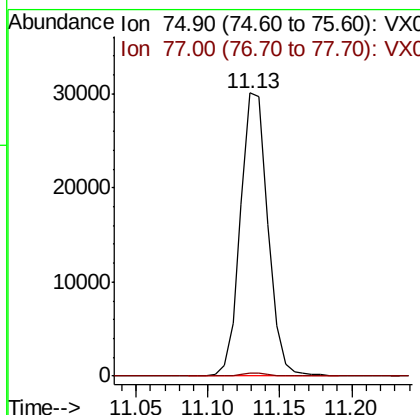
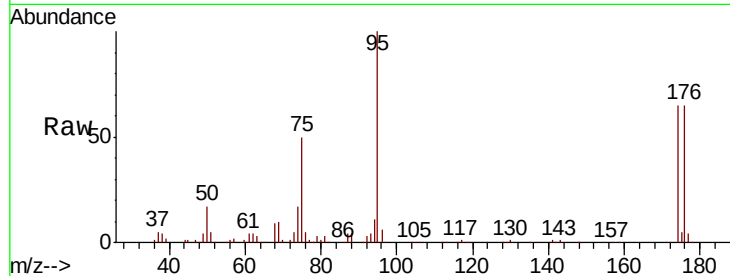




#76
 1,2,3-Trichloropropane
 Concen: 24.686 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013250.D
 Acq: 28 Oct 2019 16:11

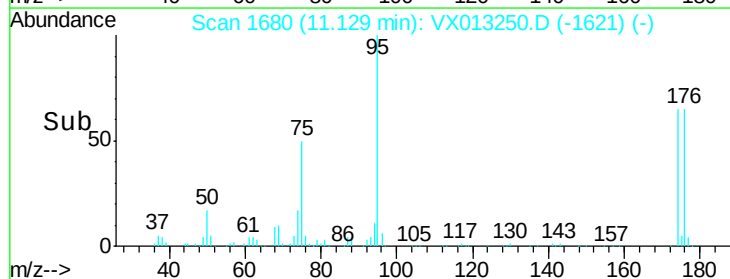
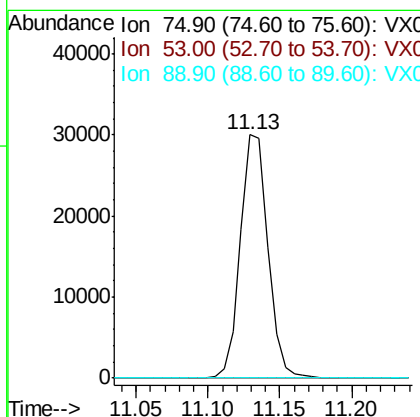
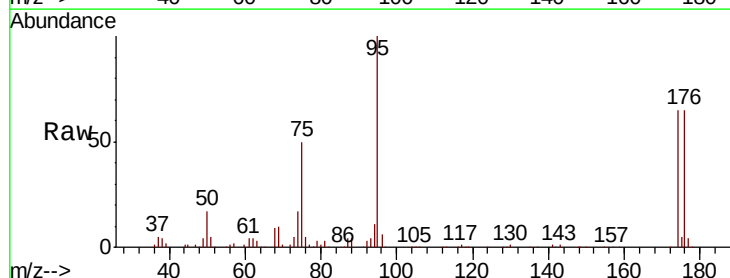
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-102519

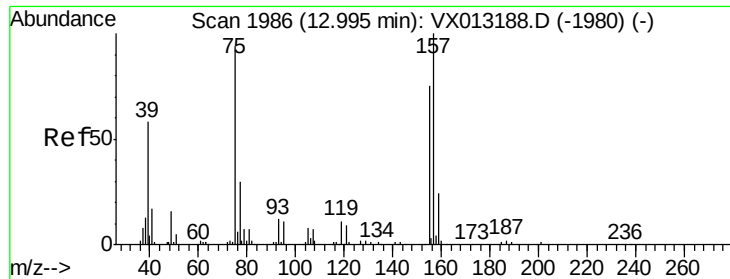
Tot Ion: 75 Resp: 39911
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.836 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013250.D
 Acq: 28 Oct 2019 16:11

Tgt Ion: 75 Resp: 39911
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.9 116.9#
 89 0.0 37.3 55.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.215 ug/l

RT: 12.81 min Scan# 1956

Delta R.T. -0.18 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102519

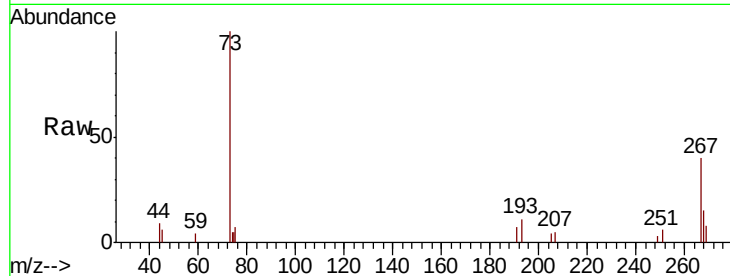
Tot Ion: 75 Resp: 99

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.4#

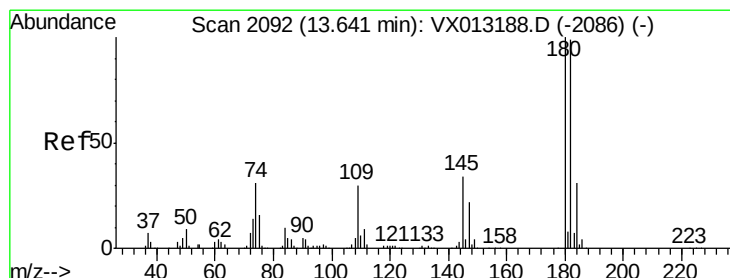
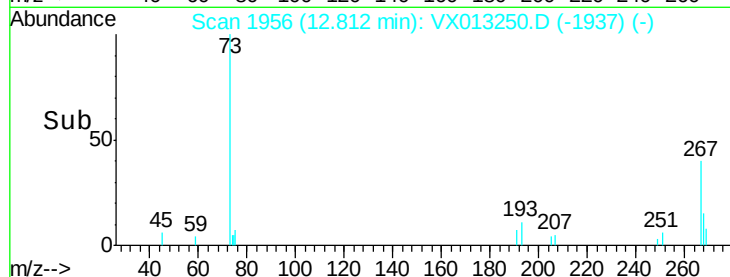
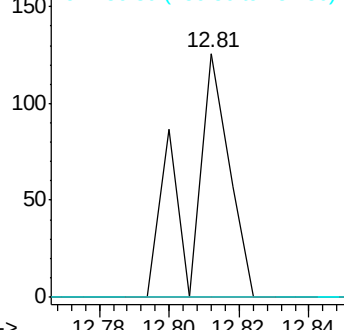
157 0.0 54.3 162.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.210 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013250.D

Acq: 28 Oct 2019 16:11

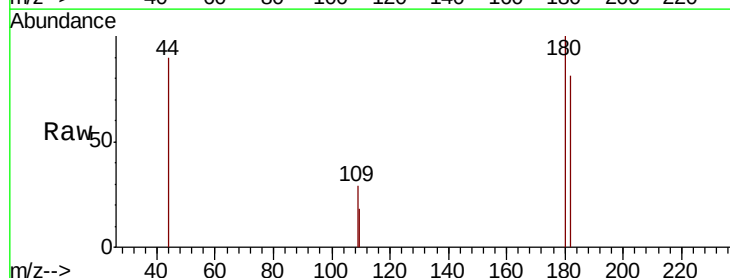
Tgt Ion: 180 Resp: 343

Ion Ratio Lower Upper

180 100

182 99.7 45.9 137.6

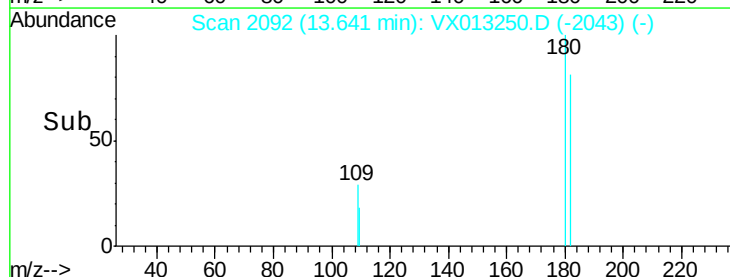
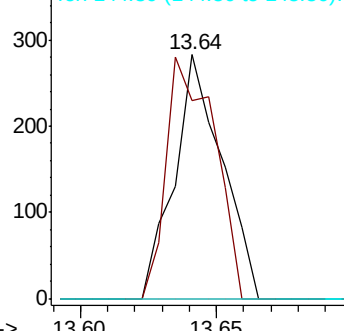
145 0.0 15.9 47.6#

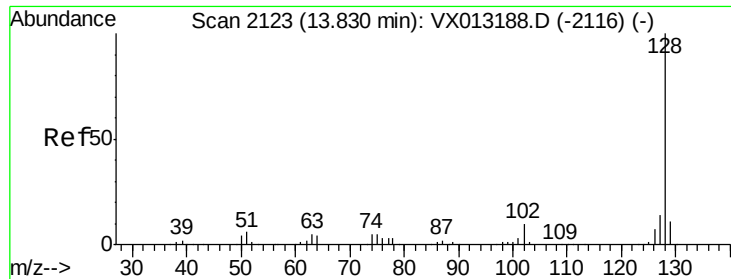


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

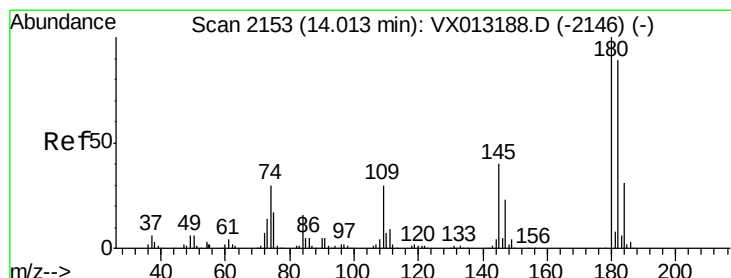
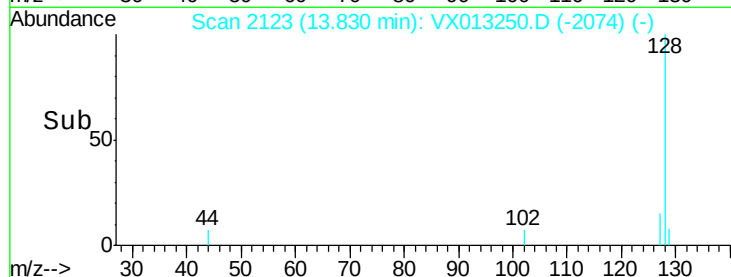
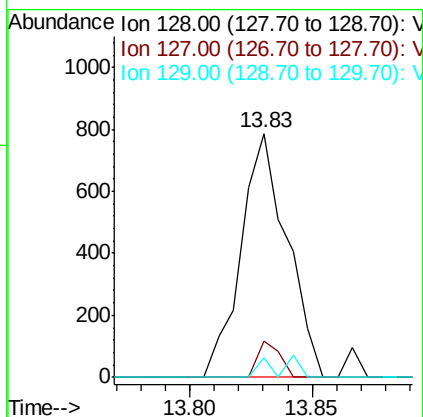
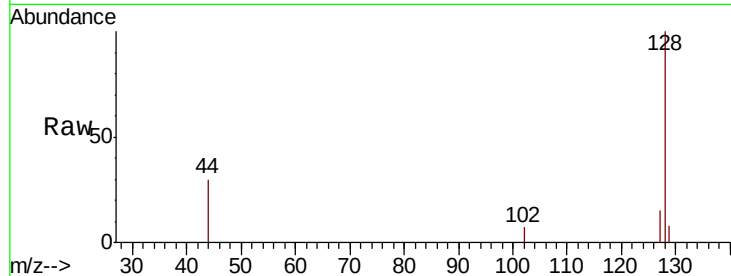




#95
Naphthalene
Concen: 0.206 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

Instrument :
MSVOA_X
ClientSampled :
TB-01-102519

Tot Ion:128 Resp: 1033
Ion Ratio Lower Upper
128 100
127 7.2 10.7 16.1#
129 2.2 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.202 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013250.D
Acq: 28 Oct 2019 16:11

Tgt Ion:180 Resp: 326
Ion Ratio Lower Upper
180 100
182 70.2 48.3 144.9
145 28.5 18.6 55.6

