

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052419\
 Data File : VX009894.D
 Acq On : 24 May 2019 18:07
 Operator : JC/SP
 Sample : K3039-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB09-190523

Quant Time: May 25 00:15:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274751	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99256	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	119284	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	5.50	113	85079	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	8.71	98	346338	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.13	95	113027	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	

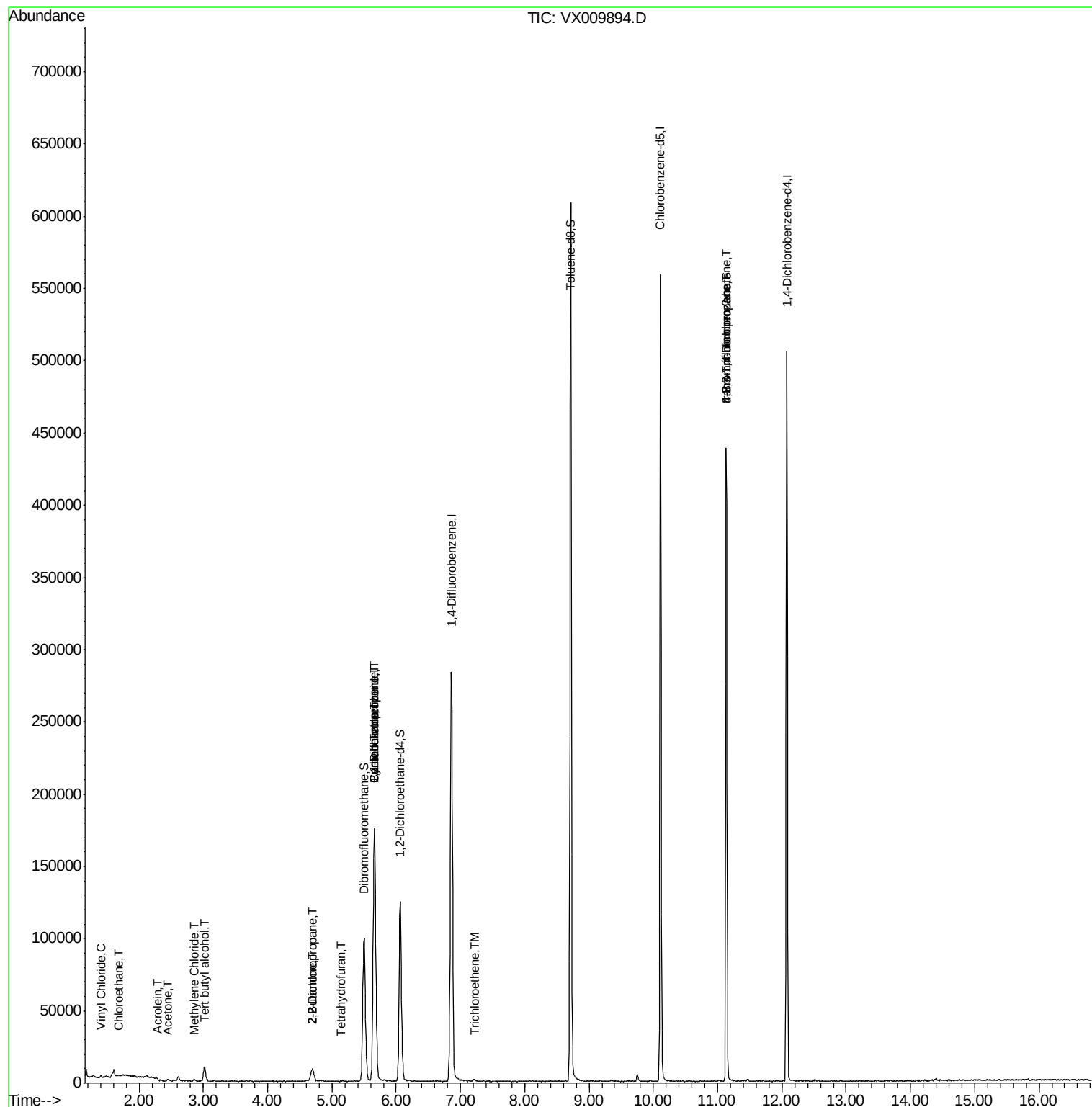
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	1094	0.522	ug/l	95
6) Chloroethane	1.70	64	2905	2.159	ug/l #	56
11) Tert butyl alcohol	3.02	59	6510	12.058	ug/l #	79
13) Acrolein	2.29	56	109	0.223	ug/l #	14
16) Acetone	2.44	43	1036	0.827	ug/l	91
20) Methylene Chloride	2.86	84	552	0.272	ug/l #	77
25) 2-Butanone	4.68	43	988	0.508	ug/l #	53
26) 2,2-Dichloropropane	4.70	77	864	0.313	ug/l #	53
28) Bromochloromethane	5.02	49	52	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	300	0.240	ug/l #	44
31) Cyclohexane	5.66	56	3809	1.105	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13854	5.426	ug/l #	50
38) Carbon Tetrachloride	5.66	117	15828	6.823	ug/l #	15
44) Trichloroethene	7.21	130	507	0.265	ug/l	84
76) 1,2,3-Trichloropropane	11.13	75	59596	25.885	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59596	66.229	ug/l #	10

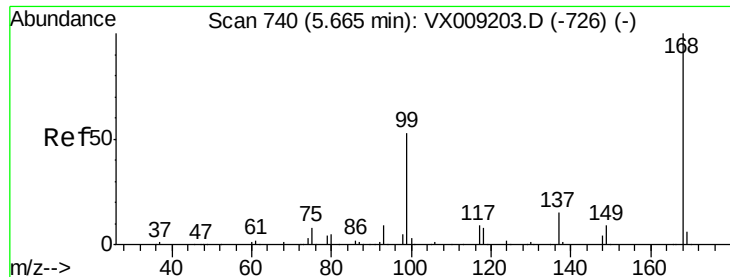
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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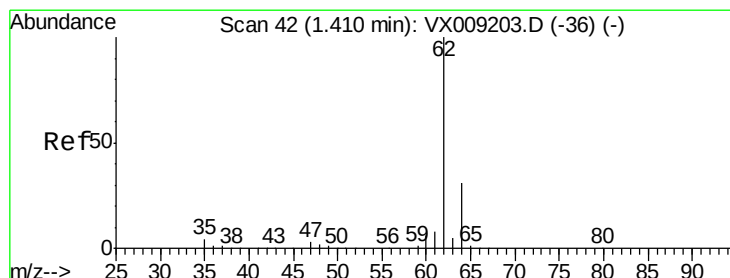
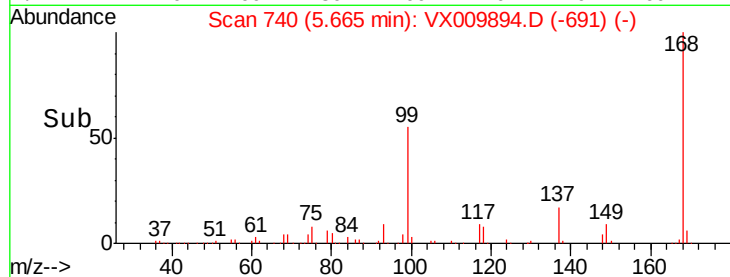
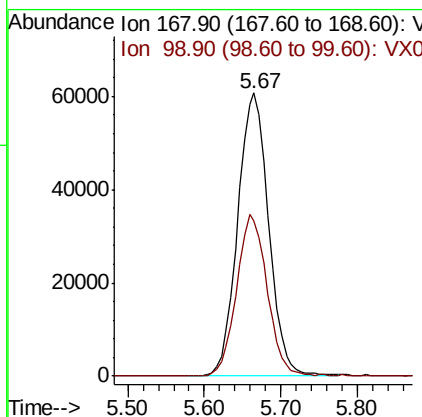
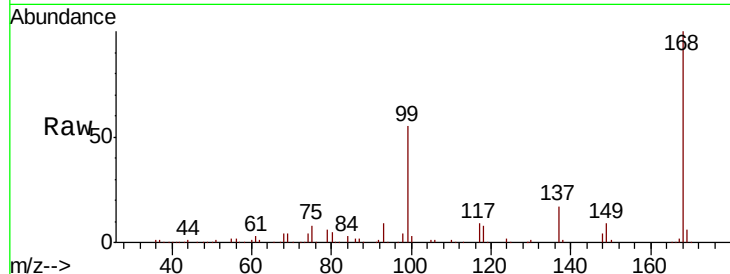




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX009894.D
Acq: 24 May 2019 18:07

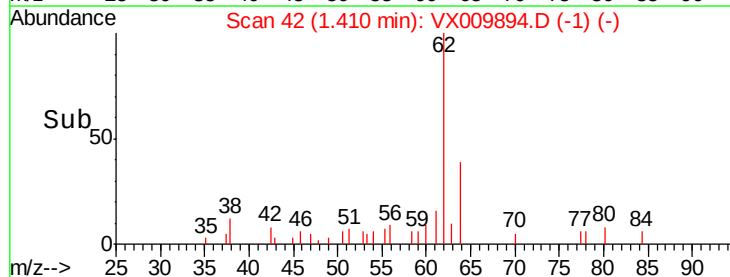
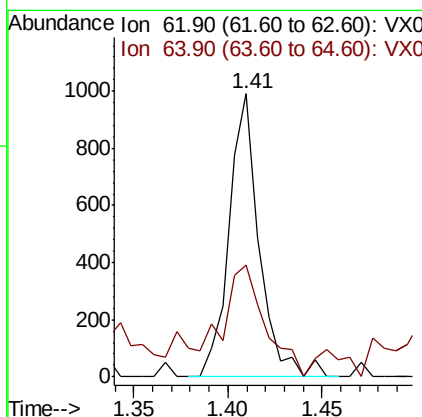
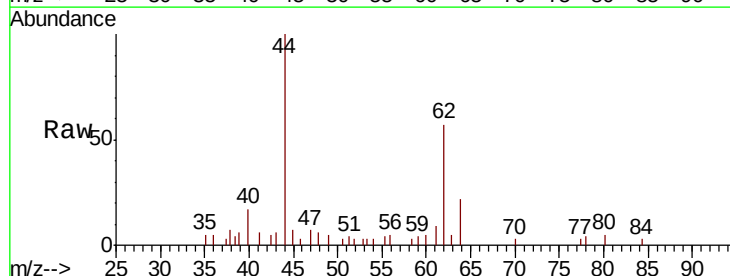
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB09-190523

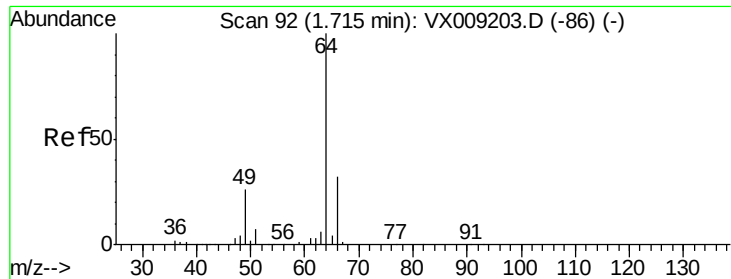
Tot Ion:168 Resp: 170854
Ion Ratio Lower Upper
168 100
99 54.8 42.3 63.5



#4
Vinyl Chloride
Concen: 0.522 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX009894.D
Acq: 24 May 2019 18:07

Tgt Ion: 62 Resp: 1094
Ion Ratio Lower Upper
62 100
64 33.5 24.6 36.8





#6

Chloroethane

Concen: 2.159 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX009894.D

Acq: 24 May 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

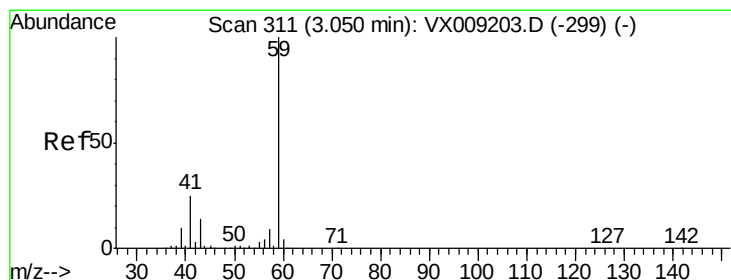
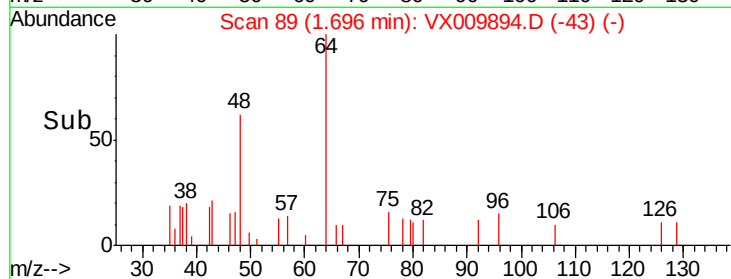
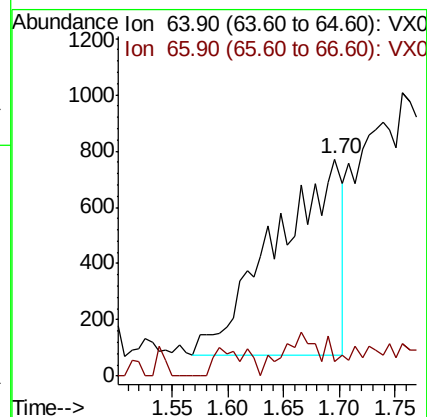
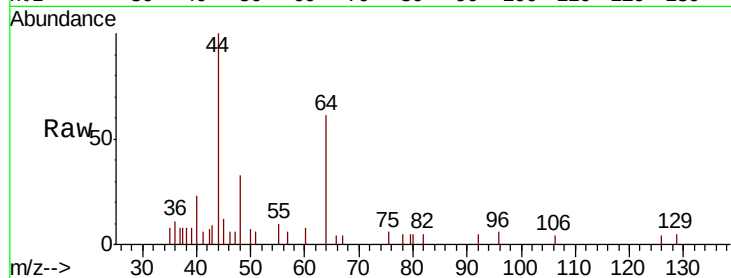
Z4-TB09-190523

Tot Ion: 64 Resp: 2905

Ion Ratio Lower Upper

64 100

66 7.3 25.3 37.9#



#11

Tert butyl alcohol

Concen: 12.058 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX009894.D

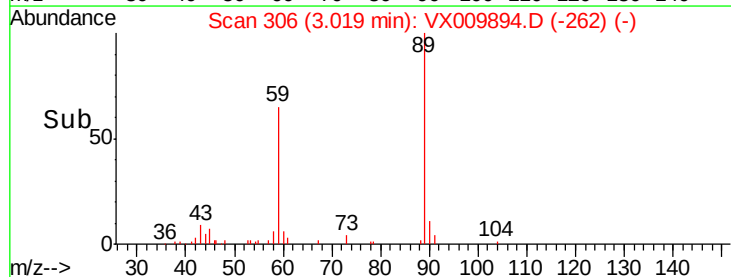
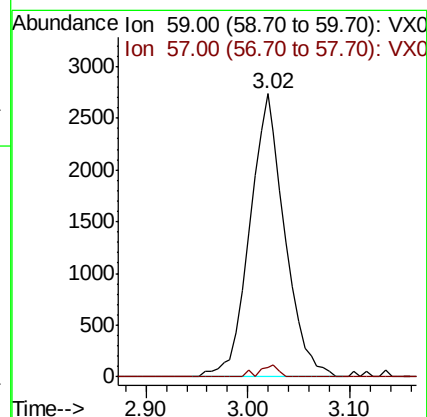
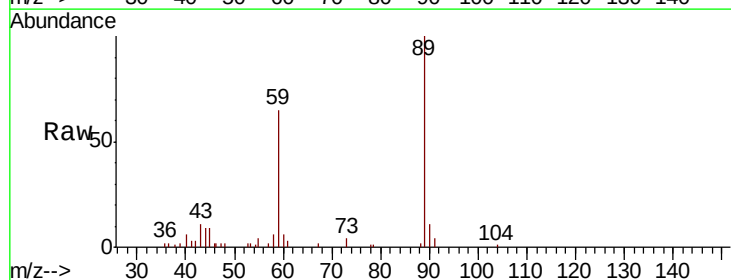
Acq: 24 May 2019 18:07

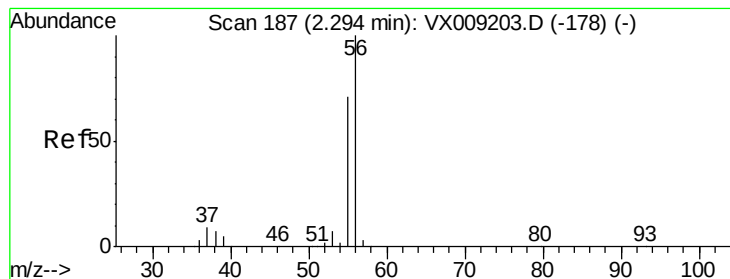
Tgt Ion: 59 Resp: 6510

Ion Ratio Lower Upper

59 100

57 2.2 8.2 12.2#





#13

Acrolein

Concen: 0.223 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009894.D

Acq: 24 May 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

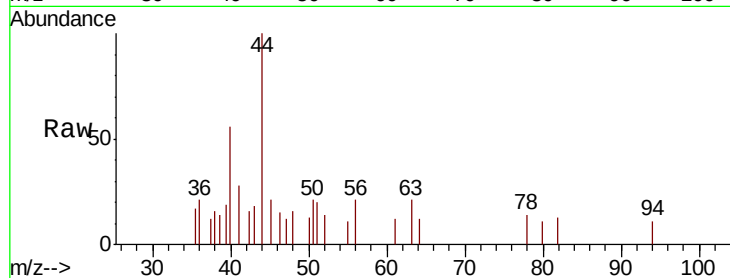
Z4-TB09-190523

Tot Ion: 56 Resp: 109

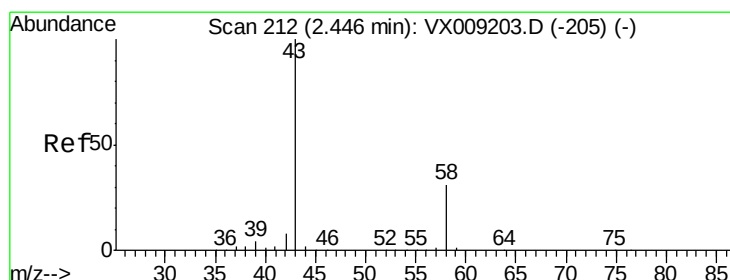
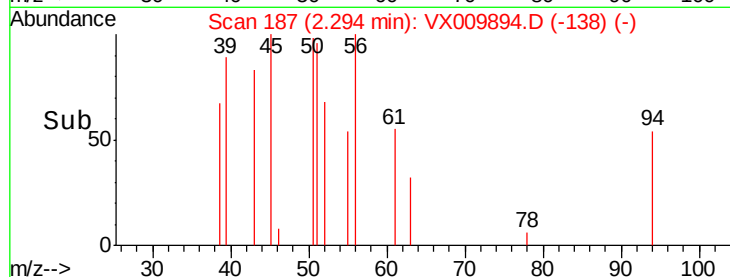
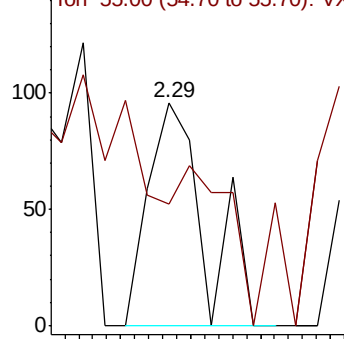
Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 0.827 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009894.D

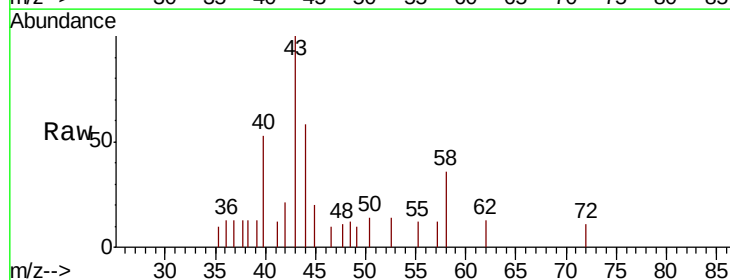
Acq: 24 May 2019 18:07

Tgt Ion: 43 Resp: 1036

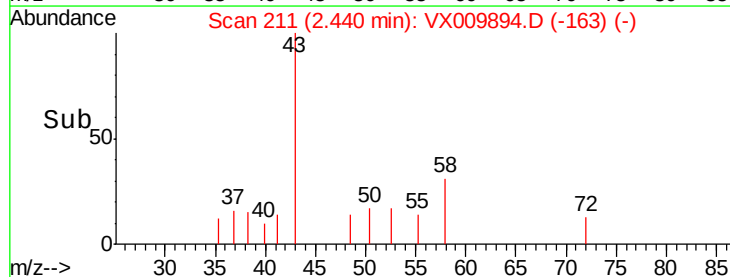
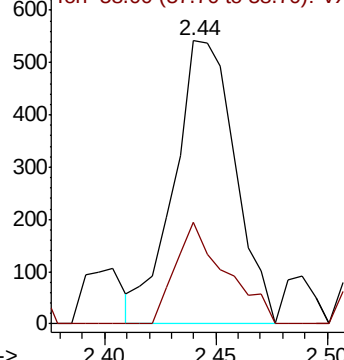
Ion Ratio Lower Upper

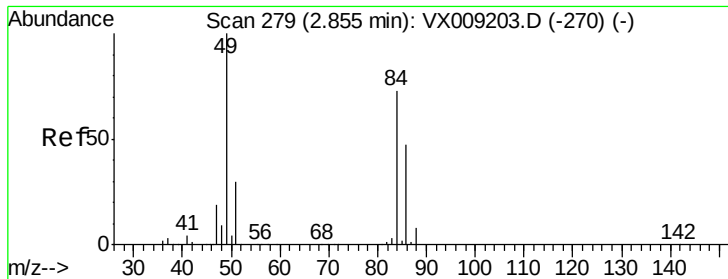
43 100

58 36.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

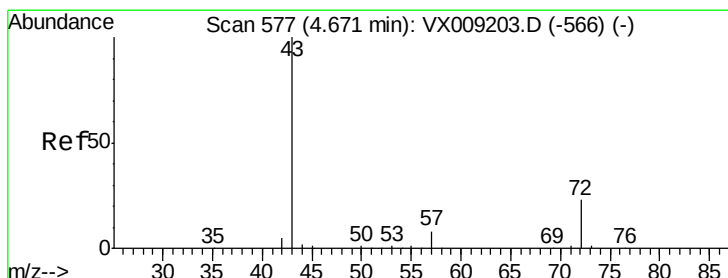
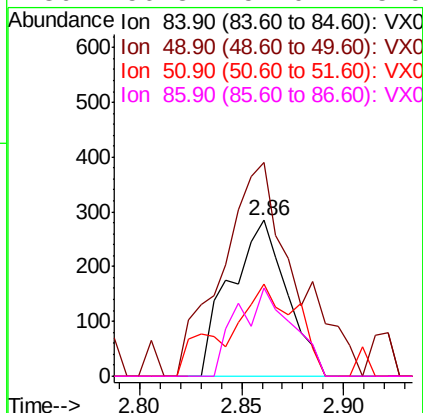
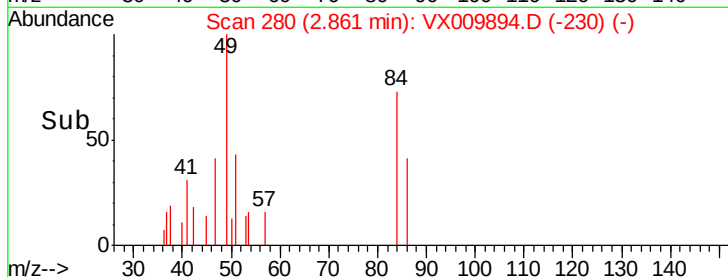
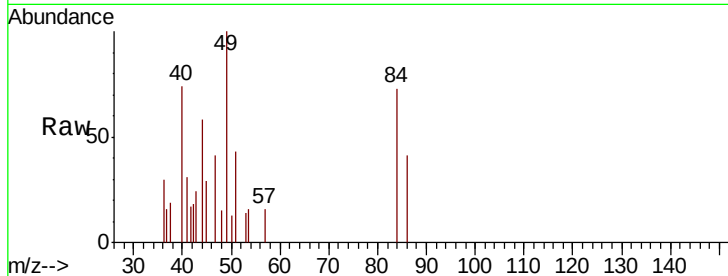




#20
Methvlene Chloride
Concen: 0.272 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009894.D
Acq: 24 May 2019 18:07

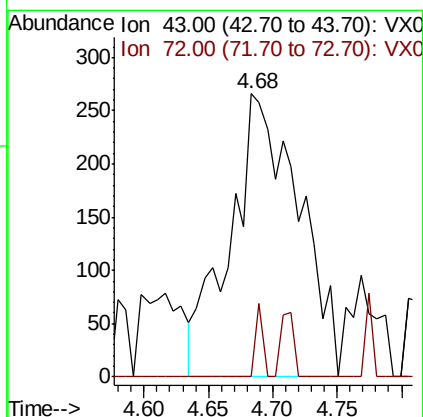
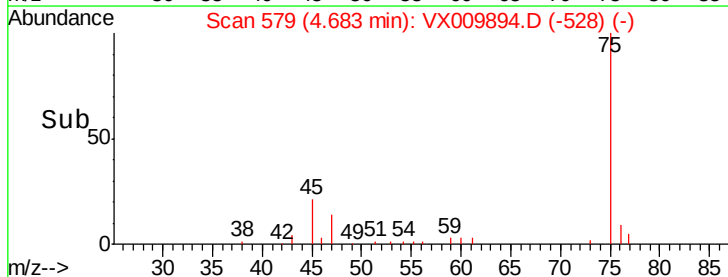
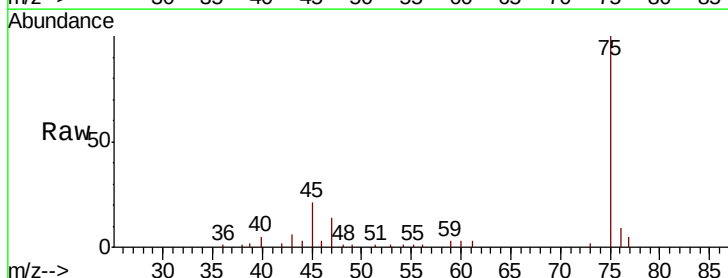
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB09-190523

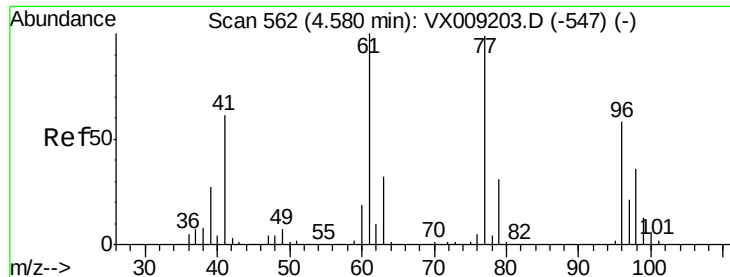
Tot Ion:	84	Resp:	552
Ion	Ratio	Lower	Upper
84	100		
49	104.9	109.9	164.9#
51	59.2	32.7	49.1#
86	56.3	52.0	78.0



#25
2-Butanone
Concen: 0.508 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX009894.D
Acq: 24 May 2019 18:07

Tgt Ion:	43	Resp:	988
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#





#26

2,2-Dichloropropane

Concen: 0.313 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.12 min

Lab File: VX009894.D

Acq: 24 May 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

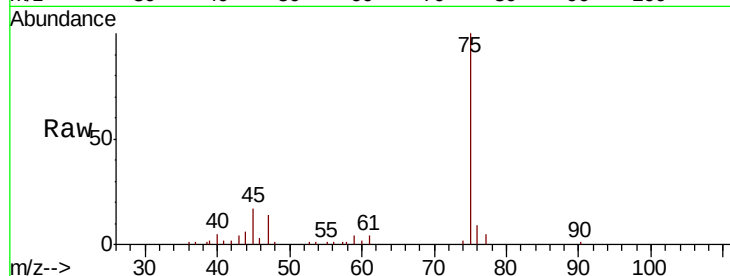
Z4-TB09-190523

Tot Ion: 77 Resp: 864

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.70

250

200

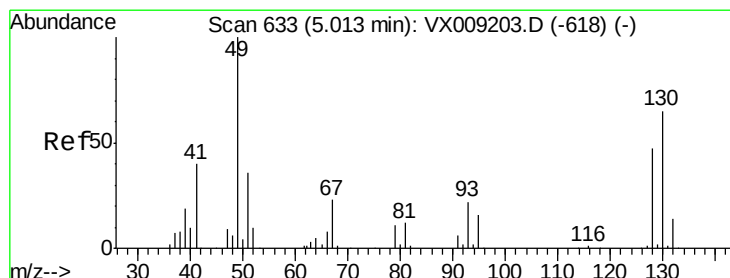
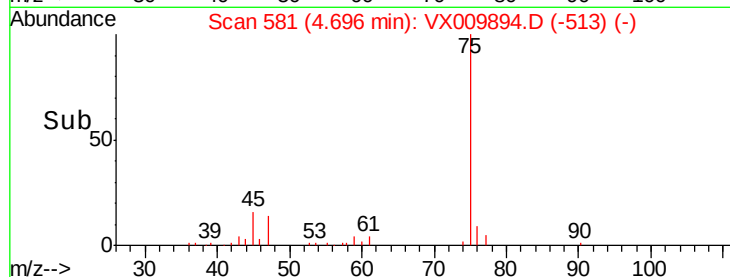
150

100

50

0

Time--> 4.60 4.65 4.70 4.75 4.80



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009894.D

Acq: 24 May 2019 18:07

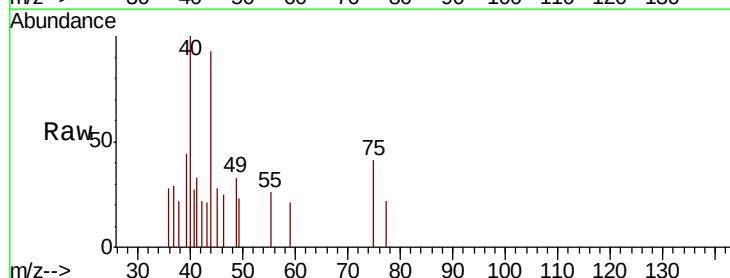
Tgt Ion: 49 Resp: 52

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

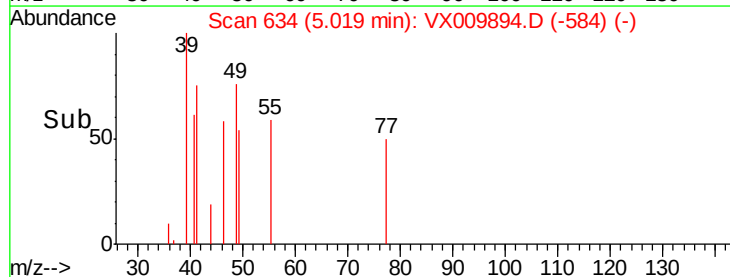
150

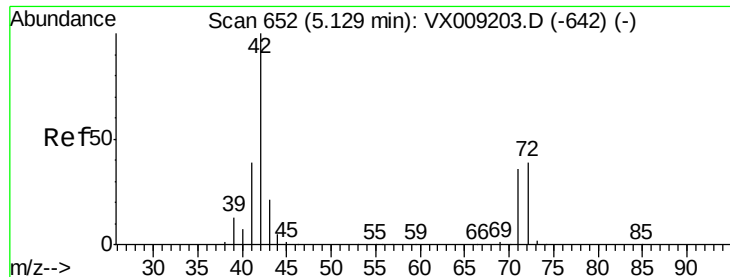
100

50

0

Time--> 5.00 5.01 5.02 5.03

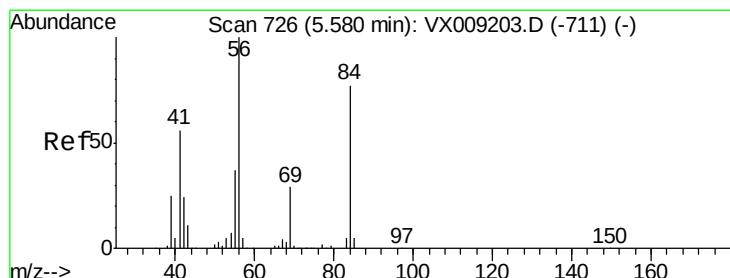
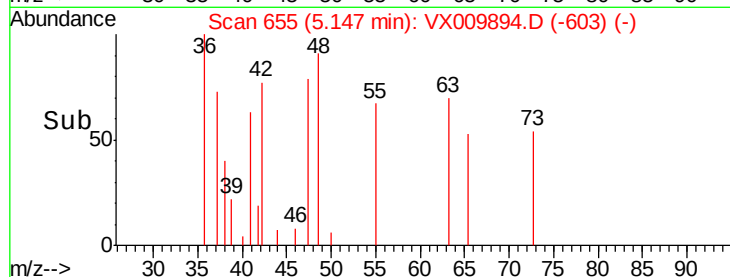
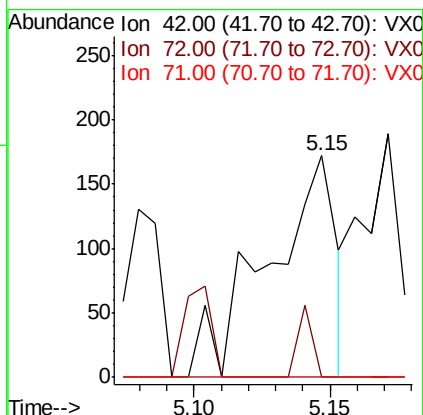
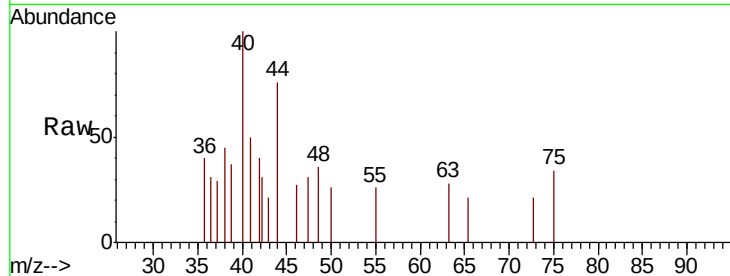




#29
Tetrahydrofuran
Concen: 0.240 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX009894.D
Acq: 24 May 2019 18:07

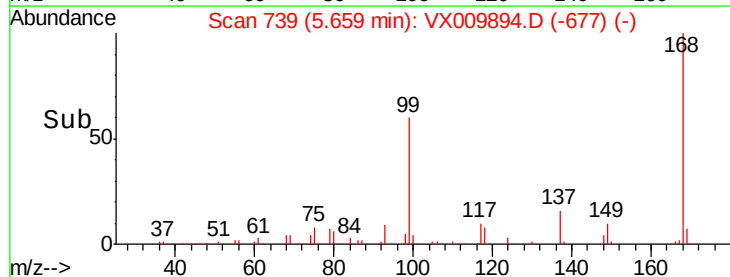
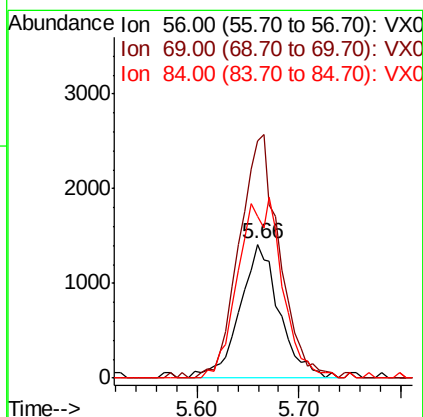
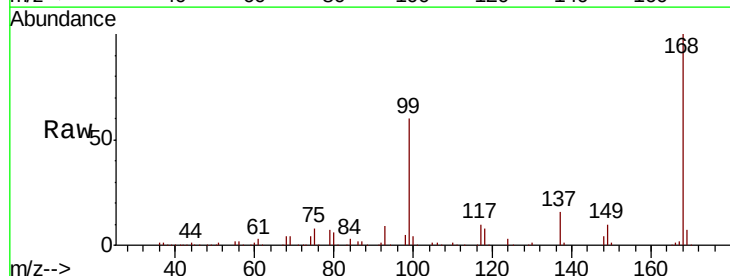
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ClientSampleId :
Z4-TB09-190523

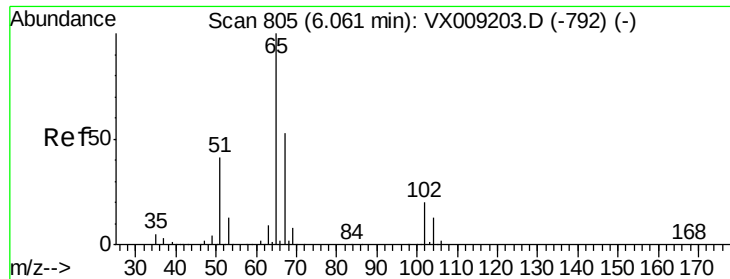
Tot Ion	Ratio	Lower	Upper
42	100		
72	6.7	30.4	45.6#
71	0.0	28.6	43.0#



#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009894.D
Acq: 24 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
56	100		
69	177.0	23.4	35.0#
84	120.4	61.9	92.9#

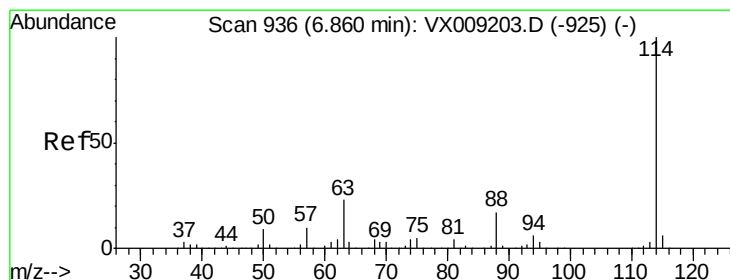
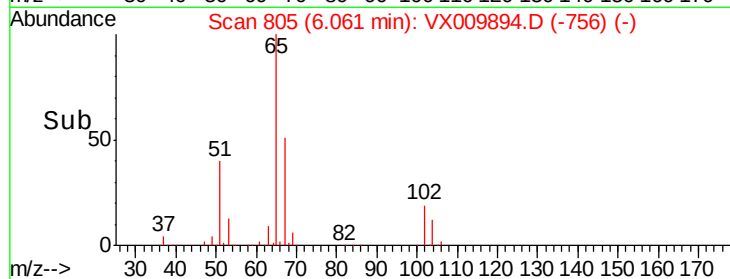
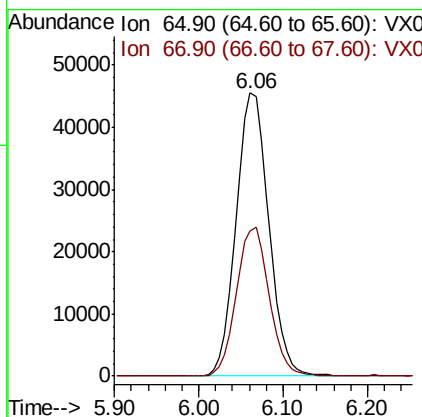
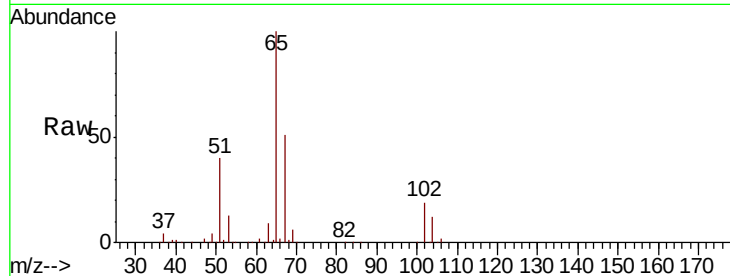




#33
 1,2-Dichloroethane-d4
 Concen: 51.143 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009894.D
 Acq: 24 May 2019 18:07

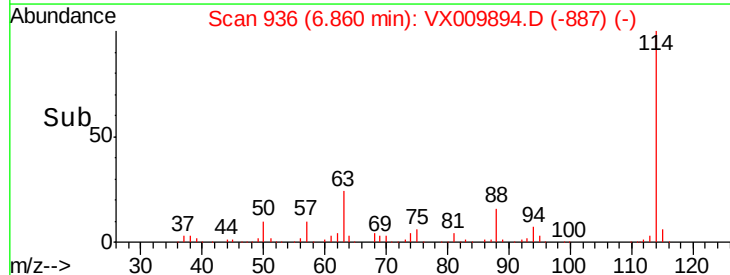
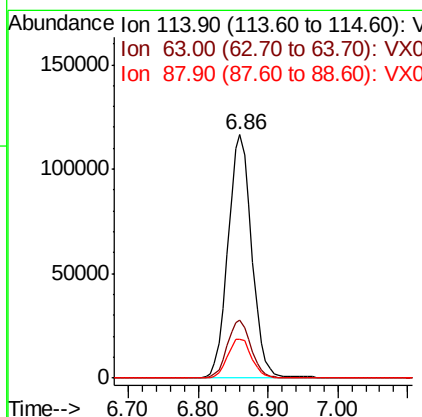
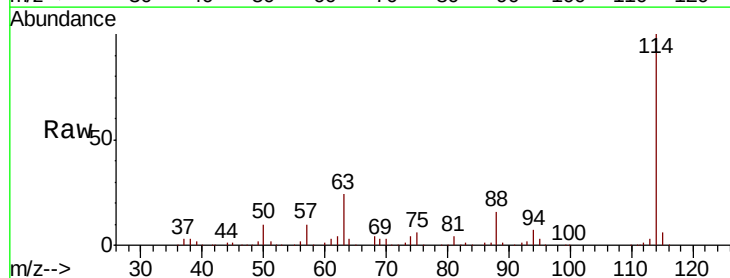
Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB09-190523

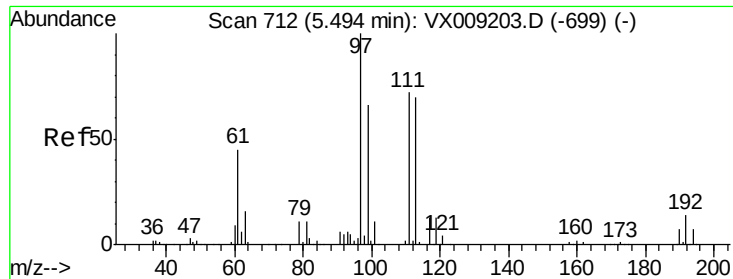
Tot Ion: 65 Resp: 119284
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009894.D
 Acq: 24 May 2019 18:07

Tgt Ion: 114 Resp: 274751
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 16.2 0.0 33.2

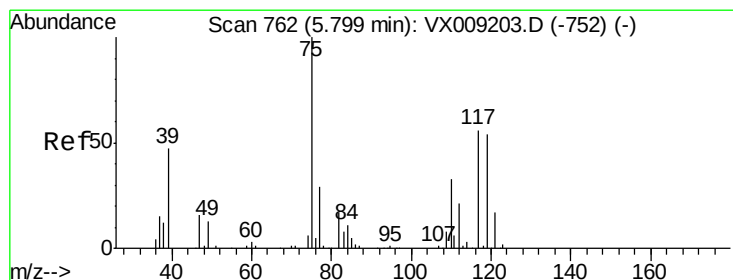
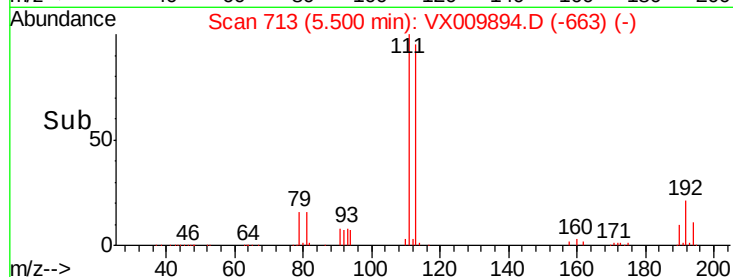
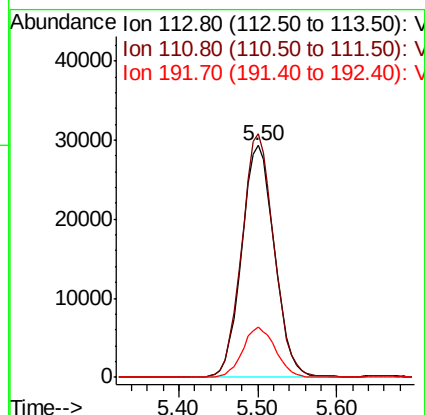
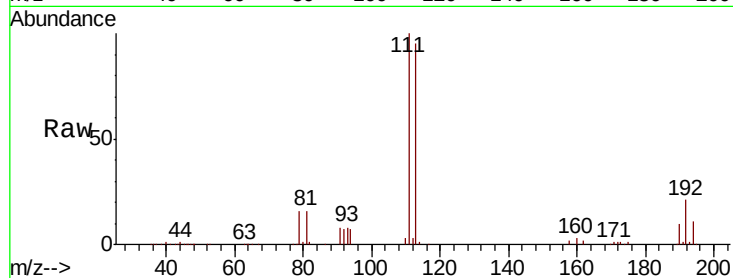




#35
 Dibromofluoromethane
 Concen: 49.258 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009894.D
 Acq: 24 May 2019 18:07

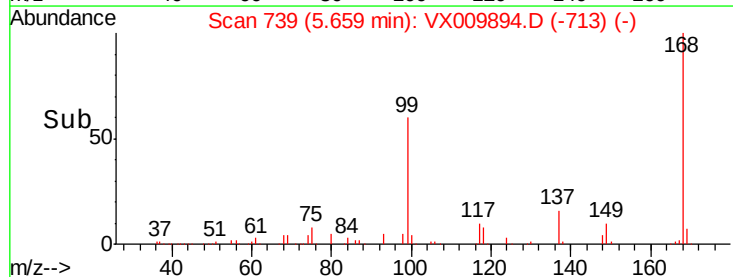
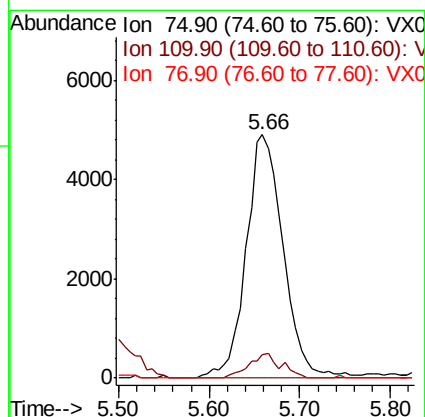
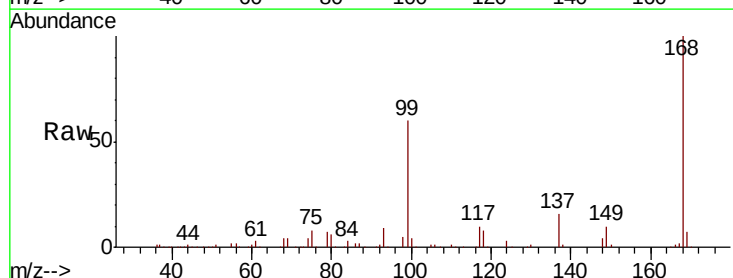
Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB09-190523

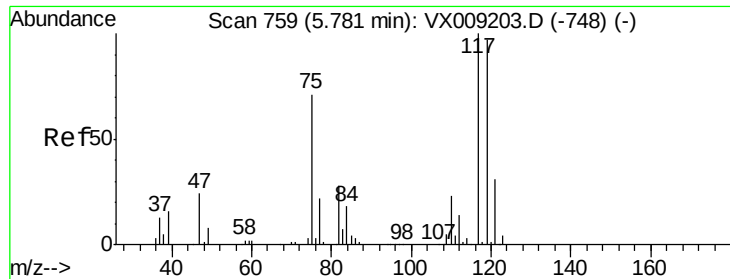
Tot Ion:113 Resp: 85079
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 21.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.426 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009894.D
 Acq: 24 May 2019 18:07

Tgt Ion: 75 Resp: 13854
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.823 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009894.D

Acq: 24 May 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB09-190523

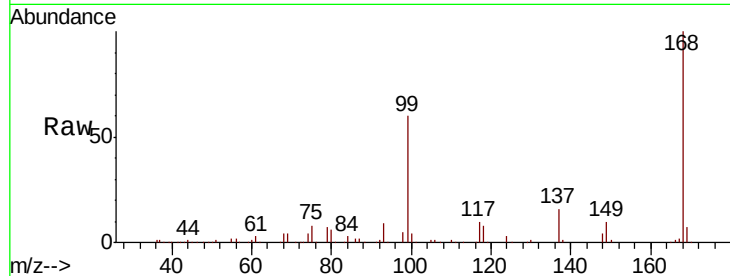
Tot Ion:117 Resp: 15828

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

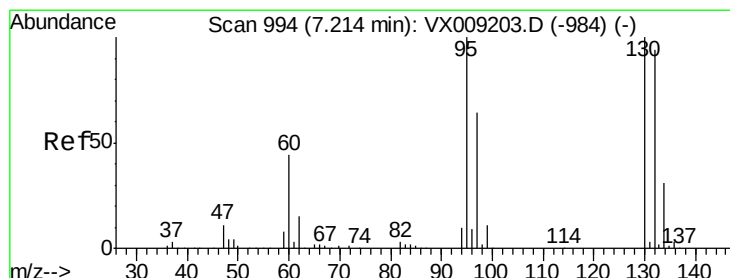
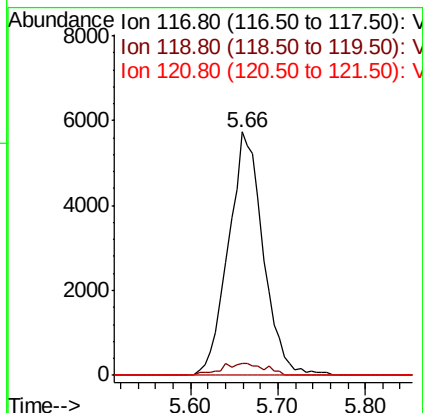
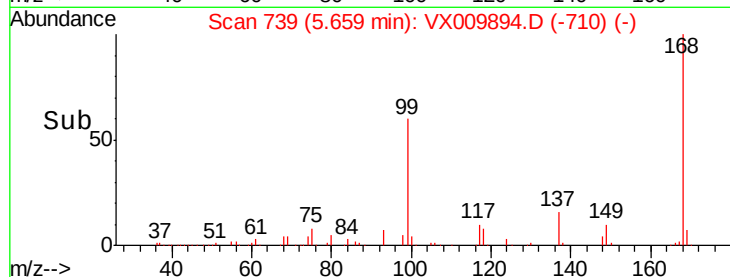
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.265 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009894.D

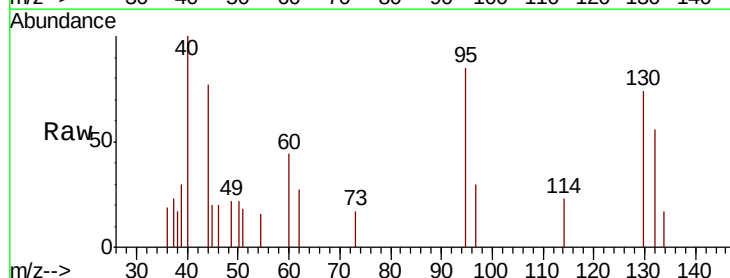
Acq: 24 May 2019 18:07

Tgt Ion:130 Resp: 507

Ion Ratio Lower Upper

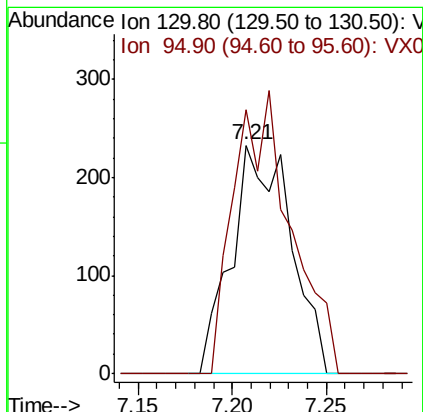
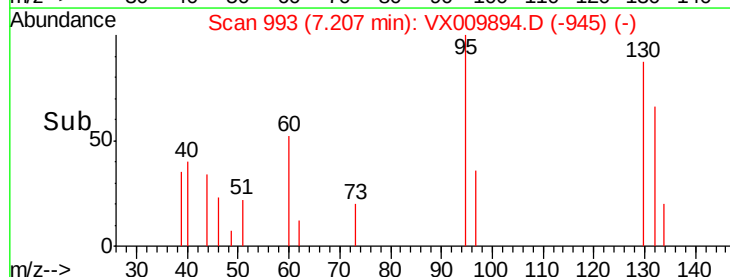
130 100

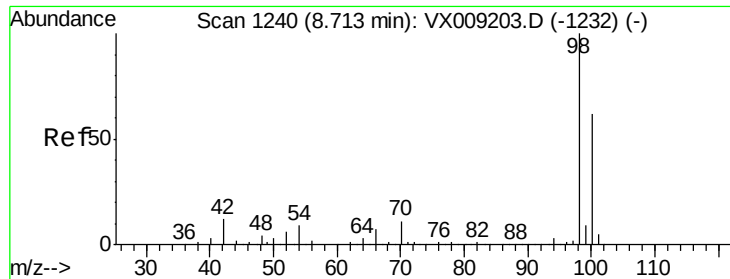
95 115.5 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.668 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009894.D

Acq: 24 May 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

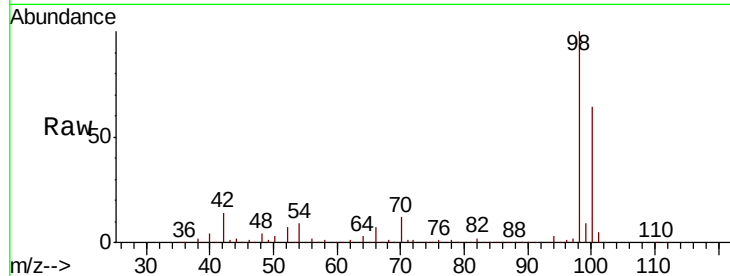
Z4-TB09-190523

Tot Ion: 98 Resp: 346338

Ion Ratio Lower Upper

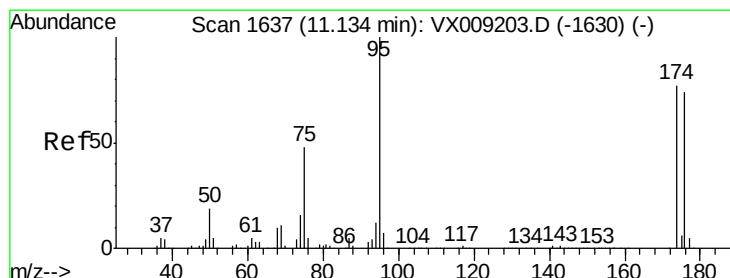
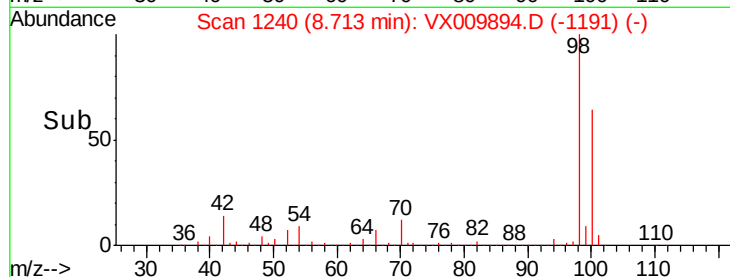
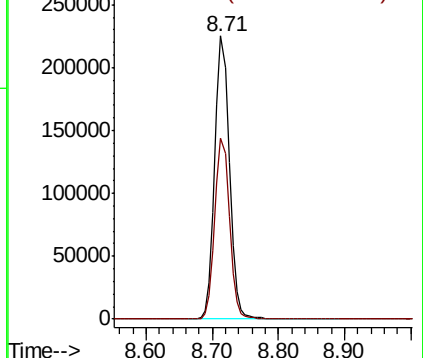
98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.608 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009894.D

Acq: 24 May 2019 18:07

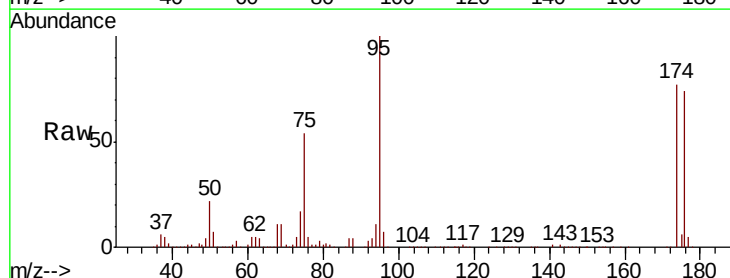
Tgt Ion: 95 Resp: 113027

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

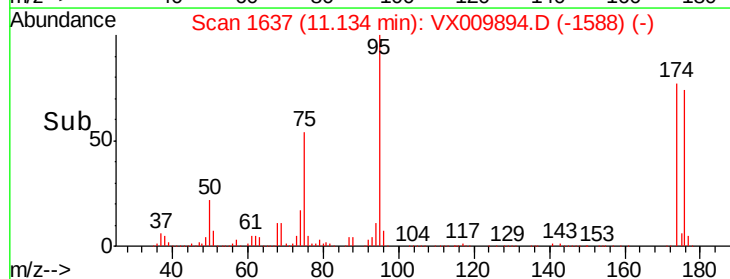
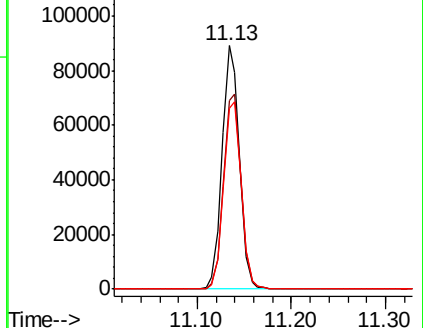
176 78.8 0.0 159.2

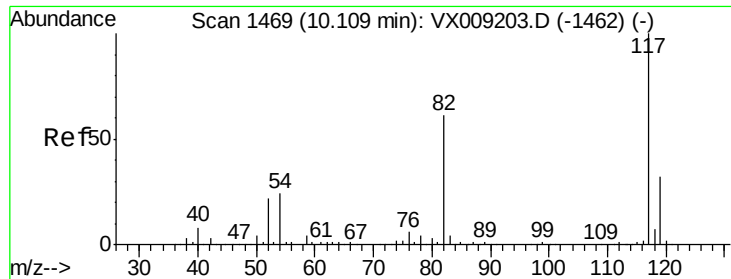


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

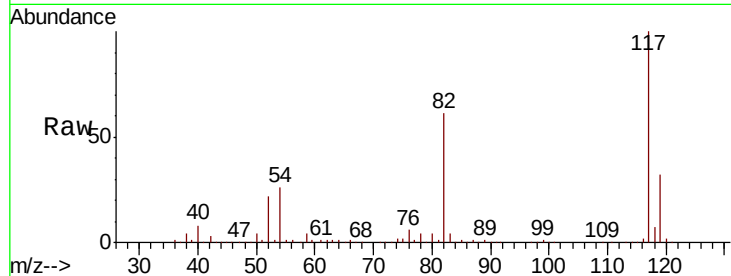




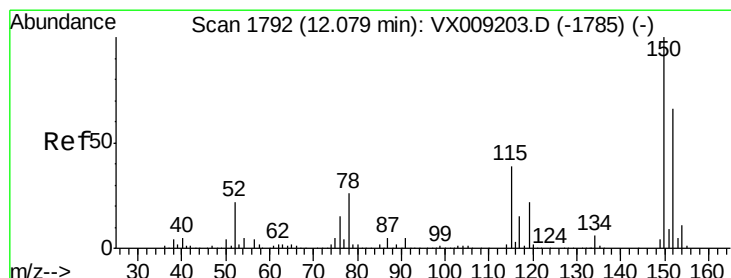
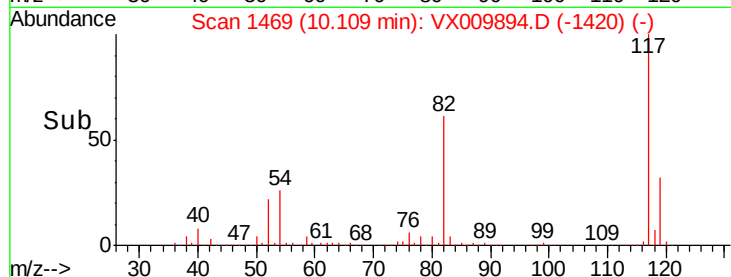
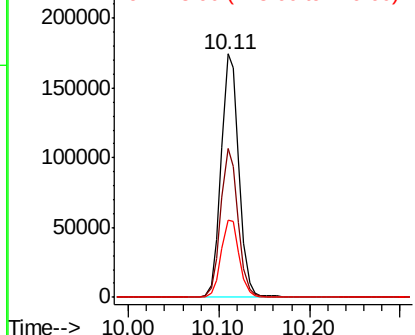
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009894.D
Acq: 24 May 2019 18:07

Instrument :
MSVOA_X
ClientSampleId :
Z4-TB09-190523

Tot Ion:117 Resp: 239935
Ion Ratio Lower Upper
117 100
82 61.2 48.8 73.2
119 31.9 25.8 38.6

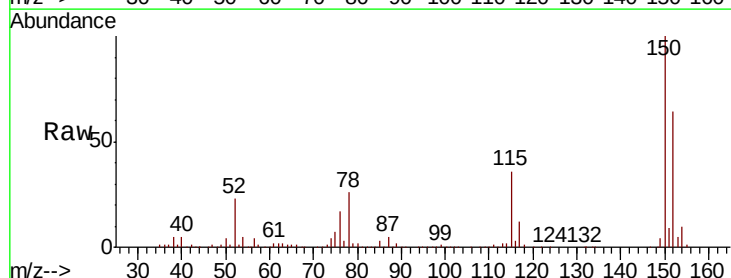


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

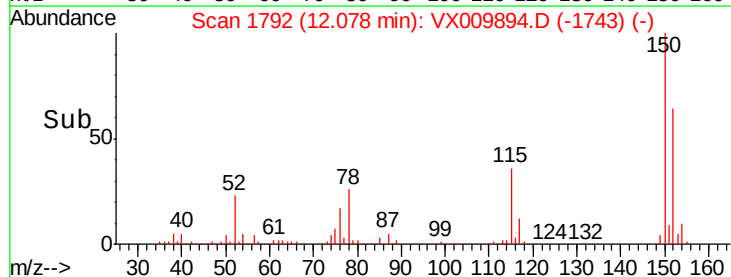
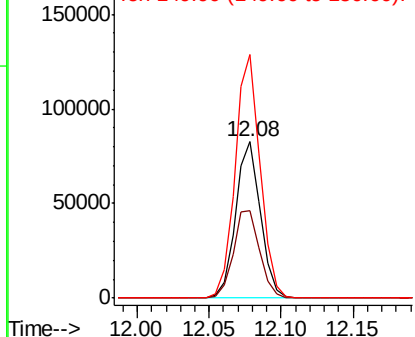


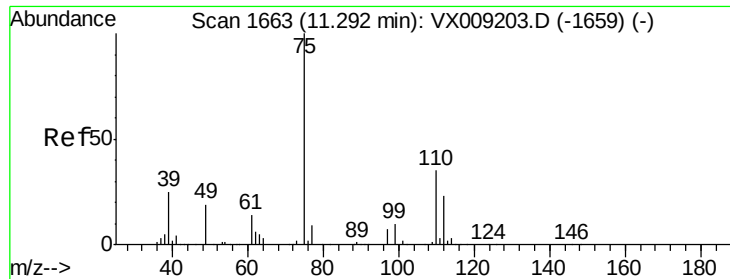
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009894.D
Acq: 24 May 2019 18:07

Tgt Ion:152 Resp: 99256
Ion Ratio Lower Upper
152 100
115 59.4 41.2 123.6
150 157.2 0.0 346.4



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: 25.885 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009894.D

Acq: 24 May 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

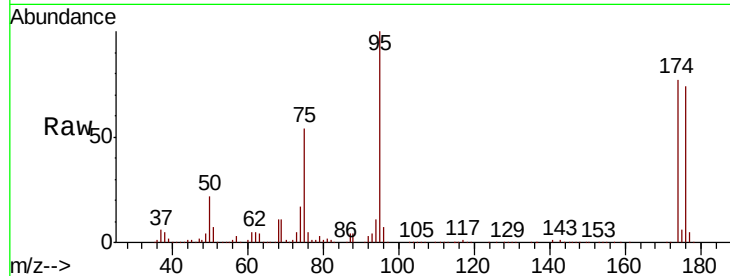
Z4-TB09-190523

Tot Ion: 75 Resp: 59596

Ion Ratio Lower Upper

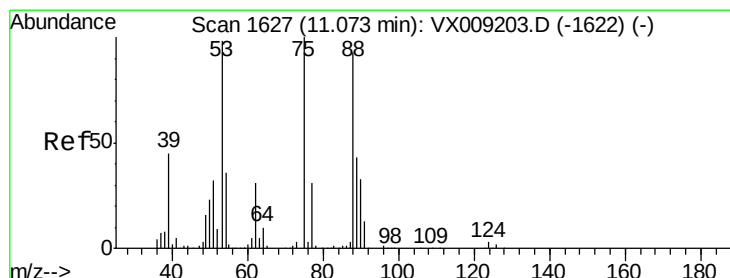
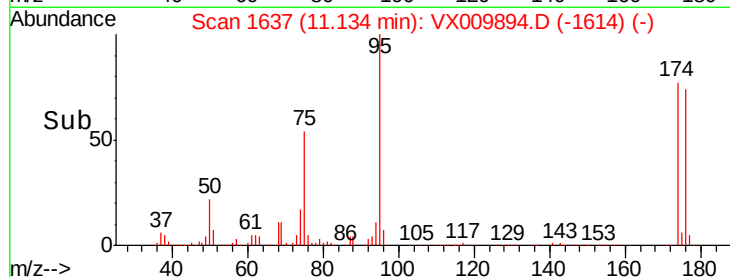
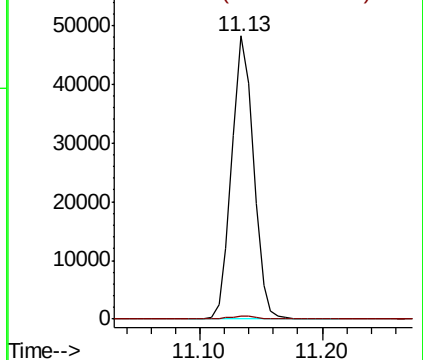
75 100

77 1.2 22.1 66.1#



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: 66.229 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009894.D

Acq: 24 May 2019 18:07

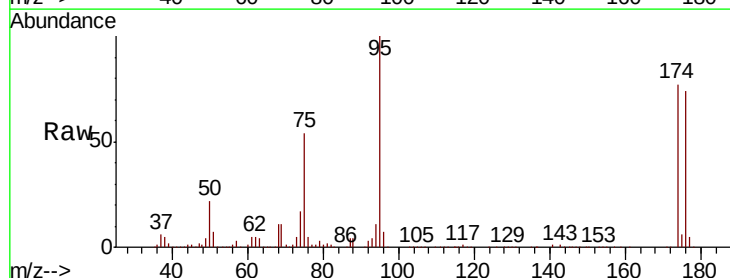
Tgt Ion: 75 Resp: 59596

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#



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

