

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042619\
 Data File : VX009194.D
 Acq On : 26 Apr 2019 16:57
 Operator : JC/SP
 Sample : K2594-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-TB02-190423

Quant Time: Apr 27 04:04:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123319	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	138698	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
35) Dibromofluoromethane	5.50	113	101671	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
50) Toluene-d8	8.71	98	420297	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.13	95	137969	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	

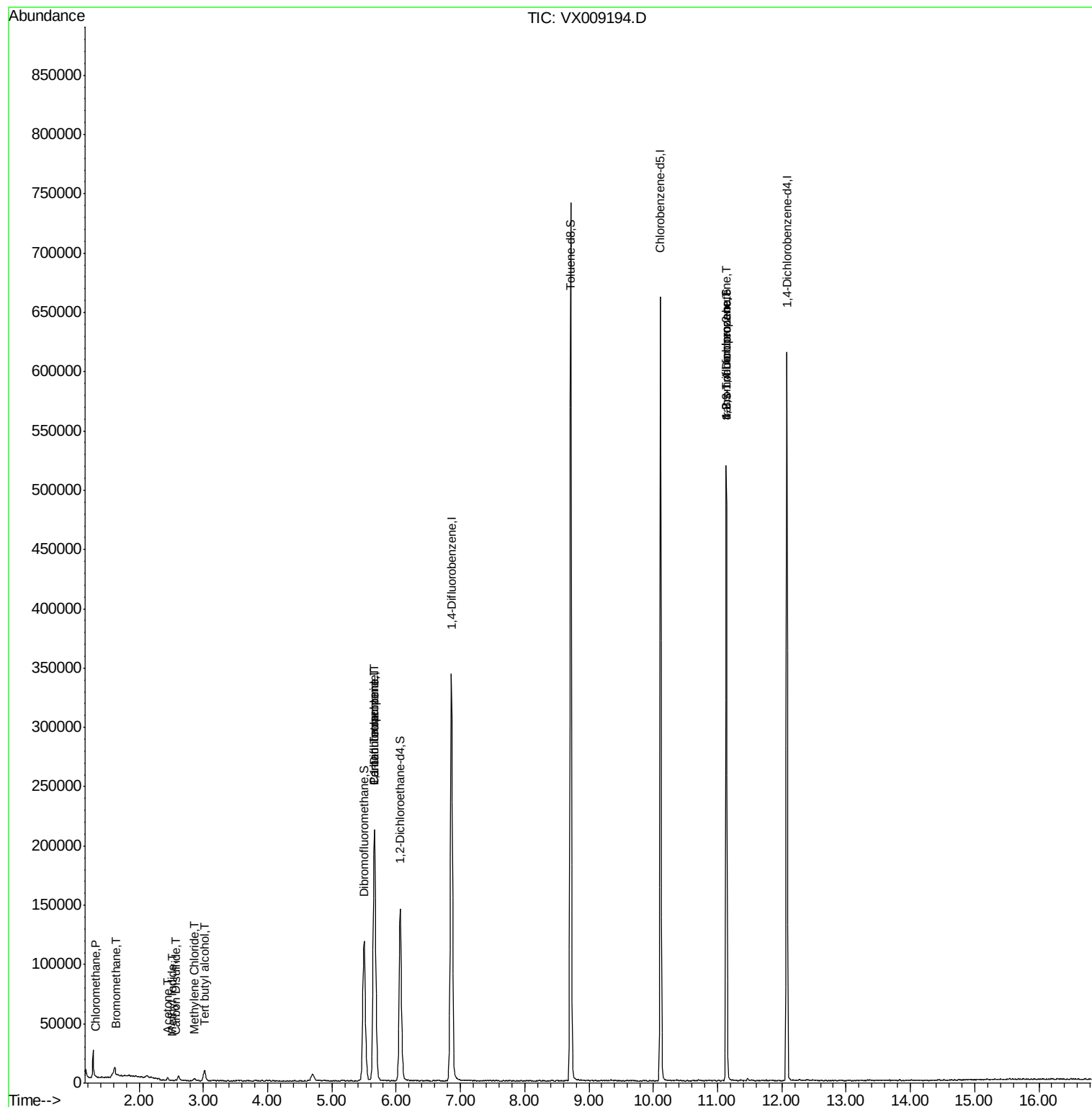
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	661	0.224	ug/l #	83
5) Bromomethane	1.64	94	368	4.037	ug/l #	69
10) Methyl Iodide	2.52	142	394	4.568	ug/l #	85
11) Tert butyl alcohol	3.01	59	5437	8.338	ug/l #	83
16) Acetone	2.44	43	2811	1.845	ug/l	91
17) Carbon Disulfide	2.57	76	810	1.373	ug/l #	75
20) Methylene Chloride	2.85	84	876	0.336	ug/l #	70
28) Bromochloromethane	5.02	49	67	Below Cal	#	18
36) 1,1-Dichloropropene	5.66	75	16854	4.840	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19790	6.704	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	70097	23.279	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70097	59.763	ug/l #	11

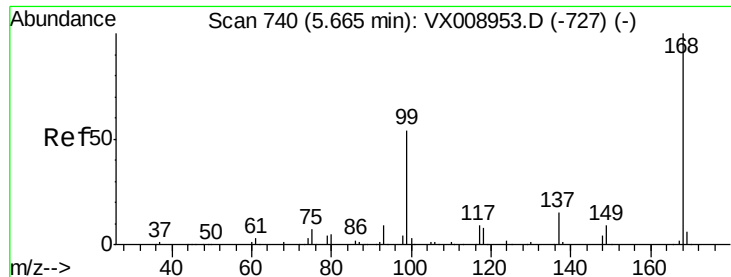
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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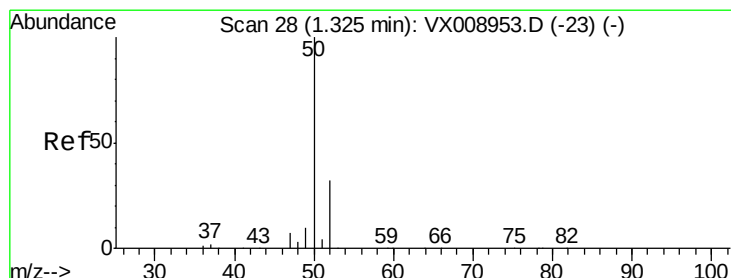
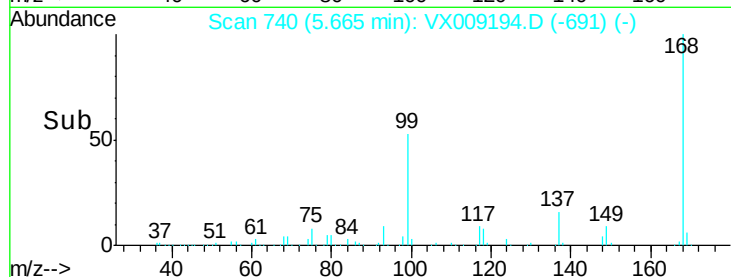
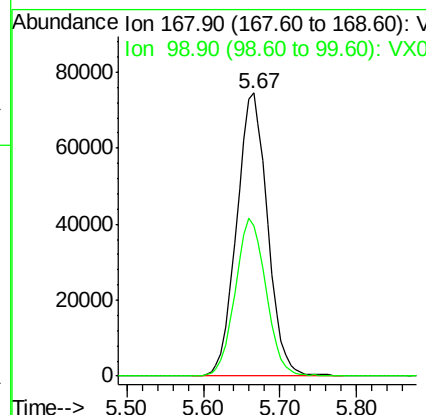
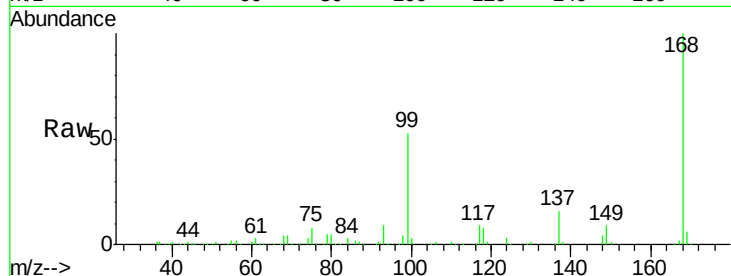




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX009194.D
Acq: 26 Apr 2019 16:57

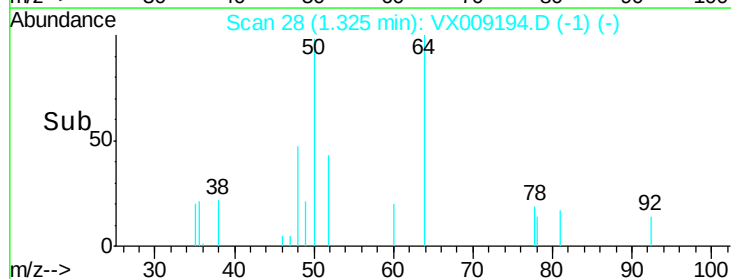
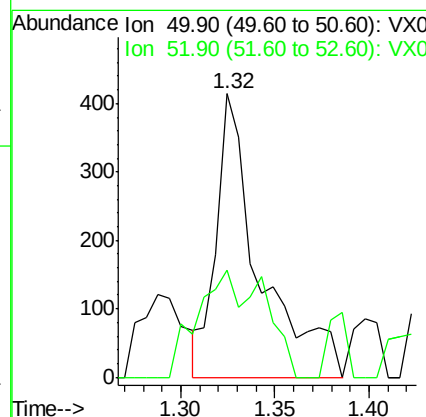
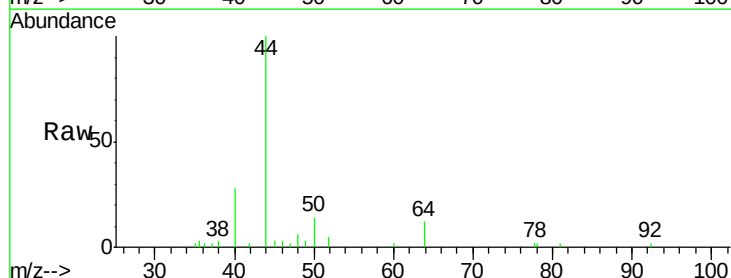
Instrument :
MSVOA_X
ClientSampleId :
Z2-TB02-190423

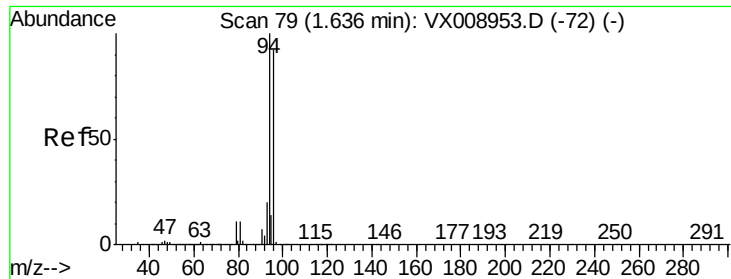
Tot Ion:168 Resp: 208442
Ion Ratio Lower Upper
168 100
99 53.2 43.0 64.6



#3
Chloromethane
Concen: 0.224 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX009194.D
Acq: 26 Apr 2019 16:57

Tgt Ion: 50 Resp: 661
Ion Ratio Lower Upper
50 100
52 22.5 25.5 38.3#





#5

Bromomethane

Concen: 4.037 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009194.D

Acq: 26 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

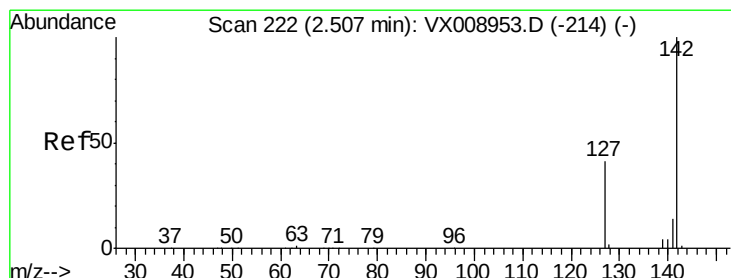
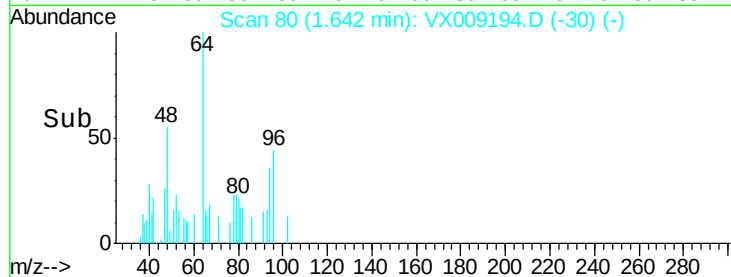
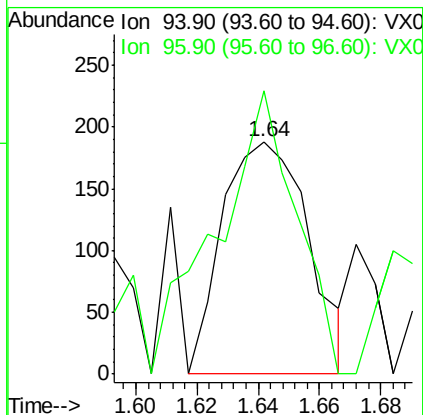
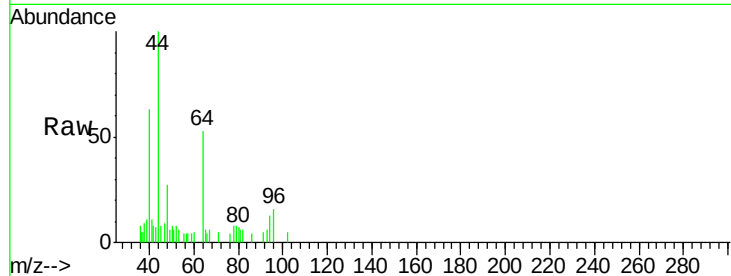
Z2-TB02-190423

Tot Ion: 94 Resp: 368

Ion Ratio Lower Upper

94 100

96 121.8 73.9 110.9#



#10

Methyl Iodide

Concen: 4.568 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009194.D

Acq: 26 Apr 2019 16:57

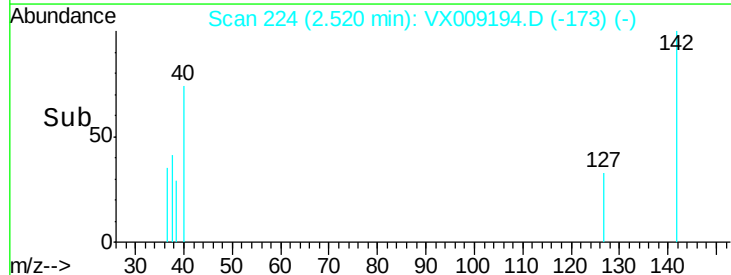
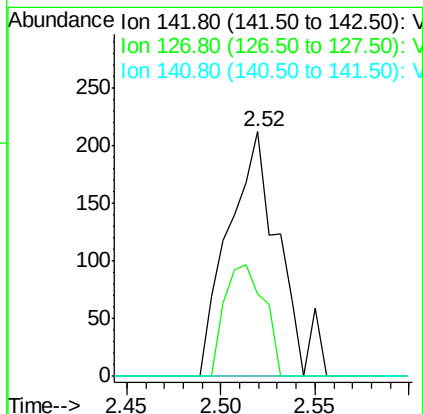
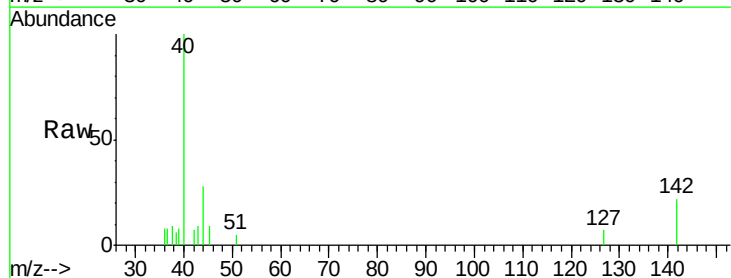
Tgt Ion: 142 Resp: 394

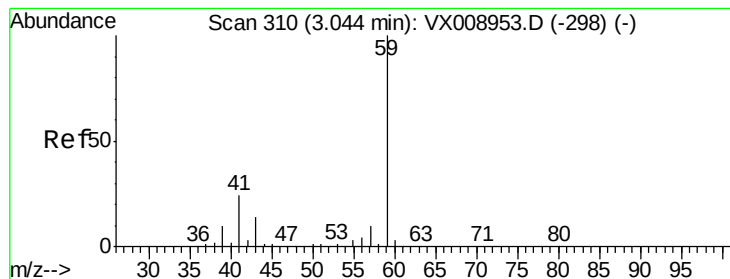
Ion Ratio Lower Upper

142 100

127 35.8 32.8 49.2

141 0.0 11.4 17.2#



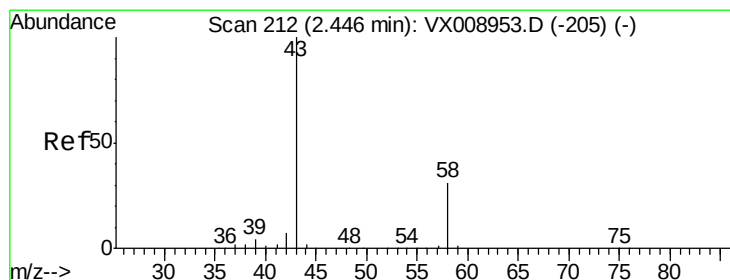
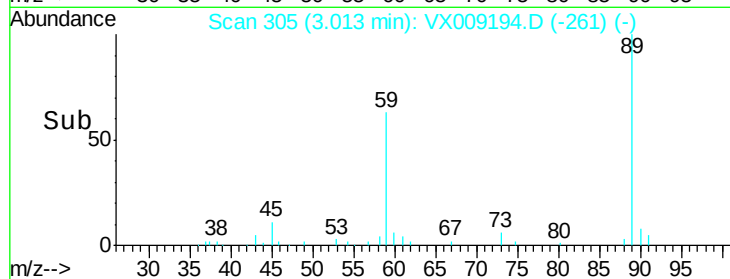
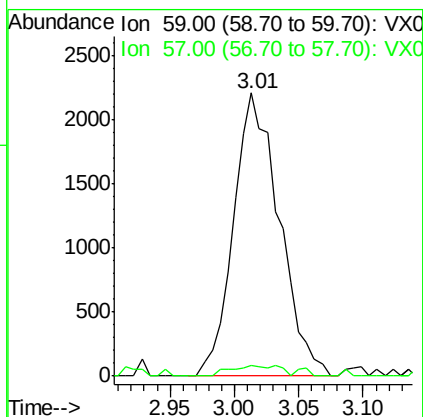
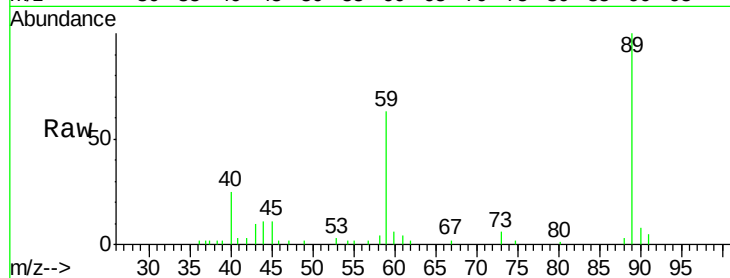


#11

Tert butyl alcohol
 Concen: 8.338 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.03 min
 Lab File: VX009194.D
 Acq: 26 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-TB02-190423

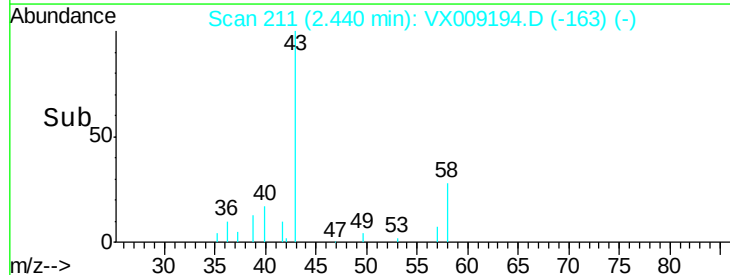
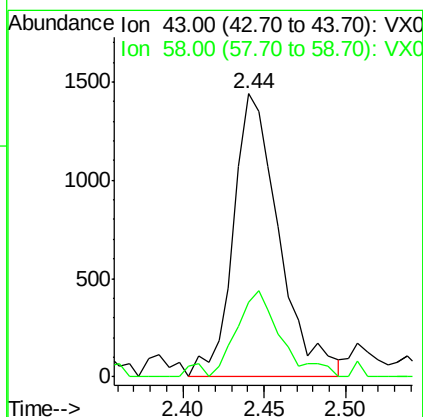
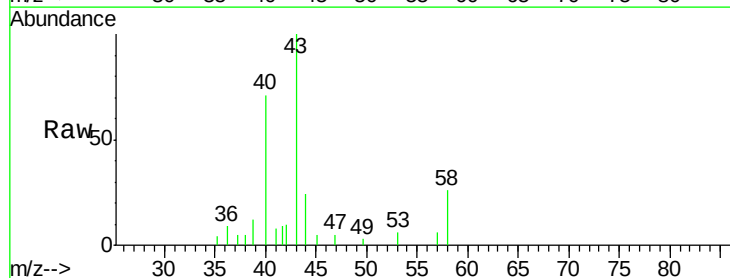
Tot Ion: 59 Resp: 5437
 Ion Ratio Lower Upper
 59 100
 57 4.0 8.4 12.6#

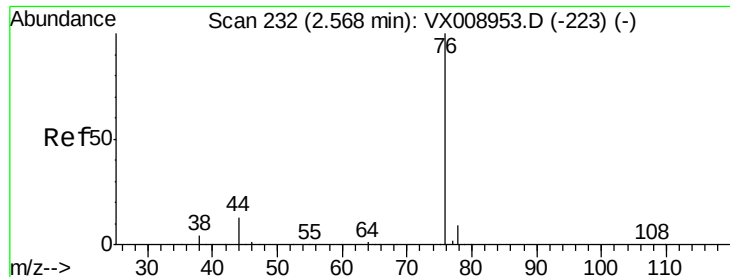


#16

Acetone
 Concen: 1.845 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009194.D
 Acq: 26 Apr 2019 16:57

Tgt Ion: 43 Resp: 2811
 Ion Ratio Lower Upper
 43 100
 58 26.2 24.8 37.2





#17

Carbon Disulfide

Concen: 1.373 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009194.D

Acq: 26 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

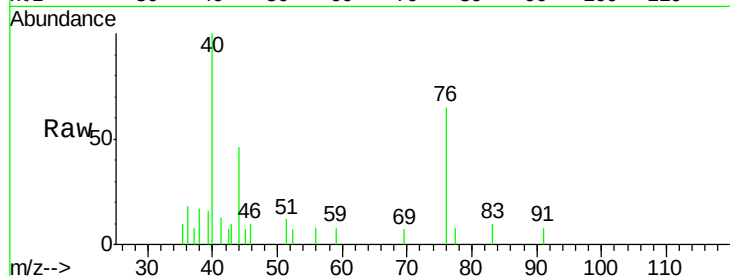
Z2-TB02-190423

Tot Ion: 76 Resp: 810

Ion Ratio Lower Upper

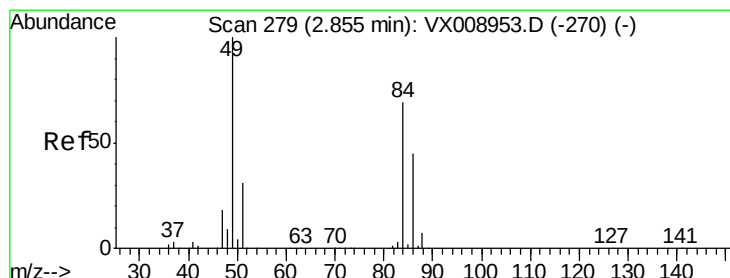
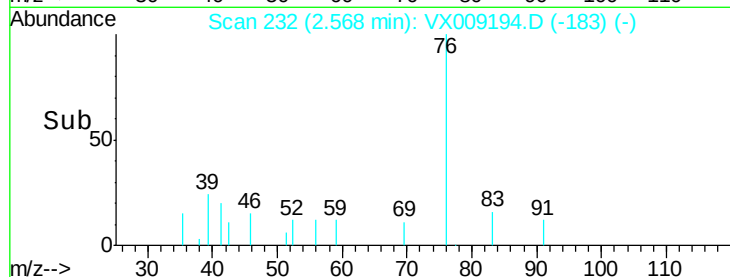
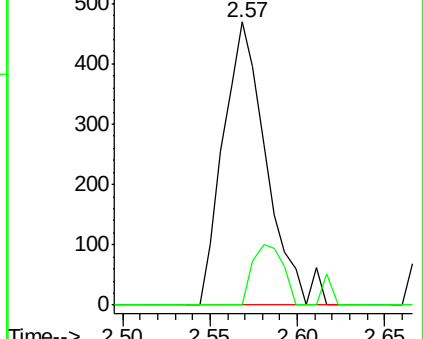
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.336 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009194.D

Acq: 26 Apr 2019 16:57

Tgt Ion: 84 Resp: 876

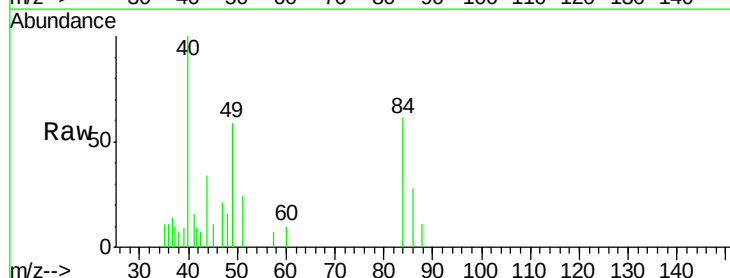
Ion Ratio Lower Upper

84 100

49 95.5 115.4 173.0#

51 38.8 35.8 53.6

86 46.3 52.1 78.1#

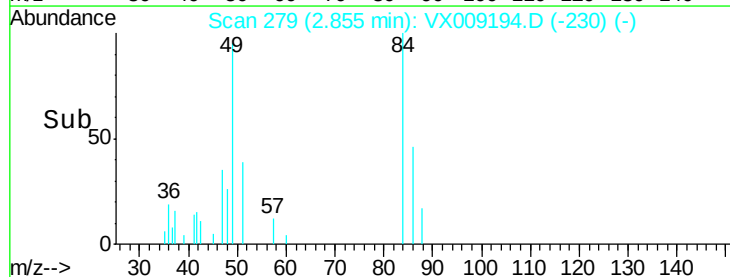
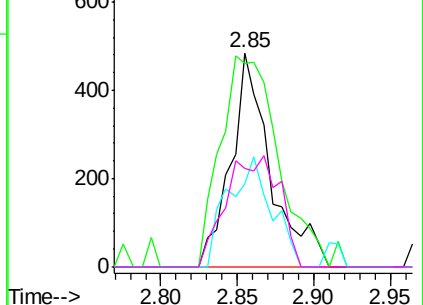


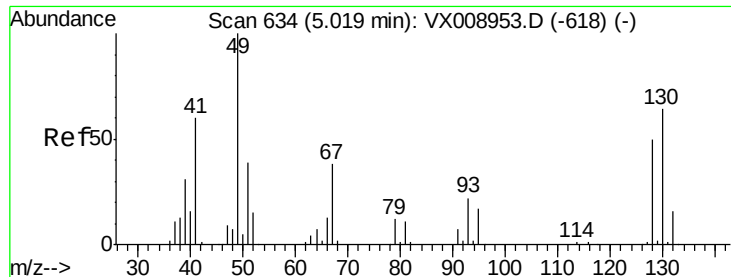
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX009194.D

Acq: 26 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

Z2-TB02-190423

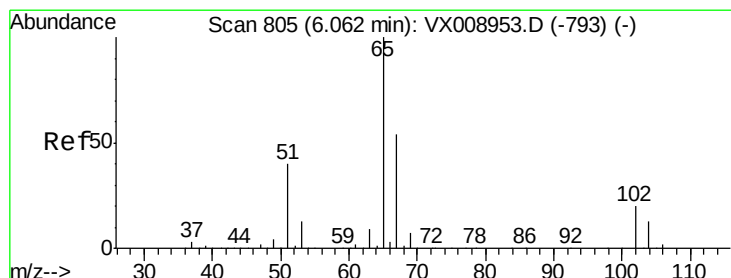
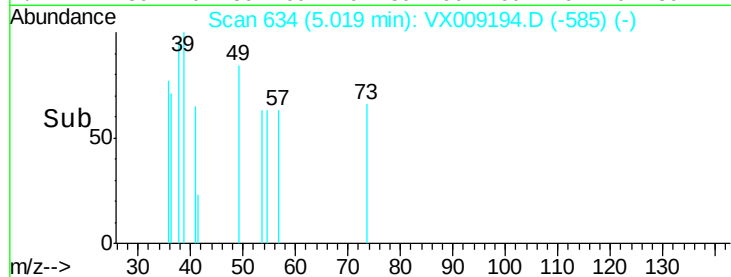
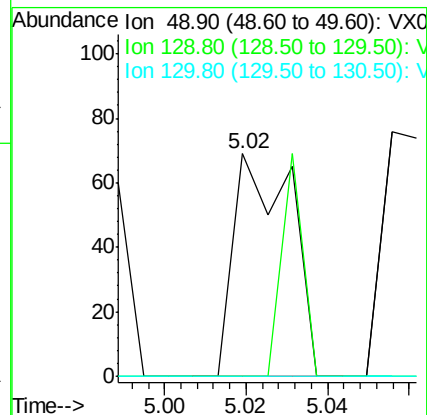
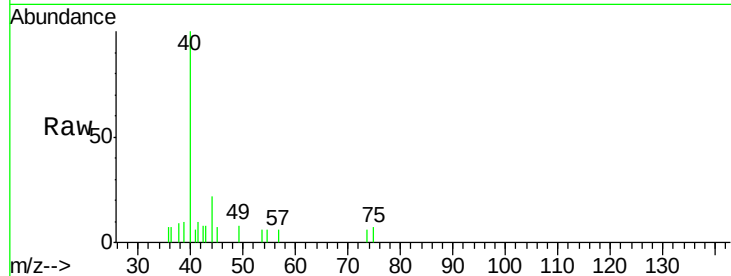
Tot Ion: 49 Resp: 67

Ion Ratio Lower Upper

49 100

129 37.3 0.0 3.6#

130 0.0 50.4 75.6#



#33

1,2-Dichloroethane-d4

Concen: 47.216 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009194.D

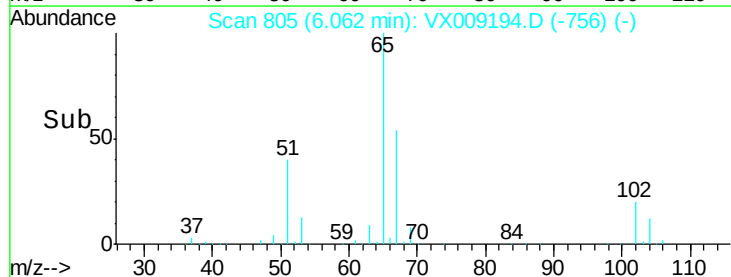
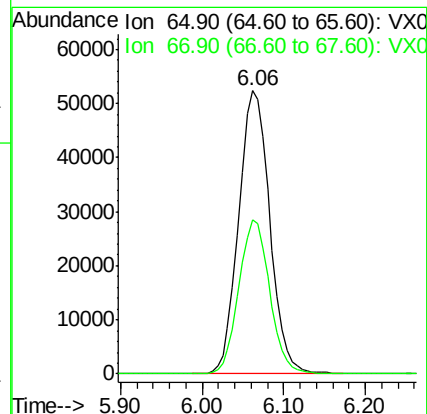
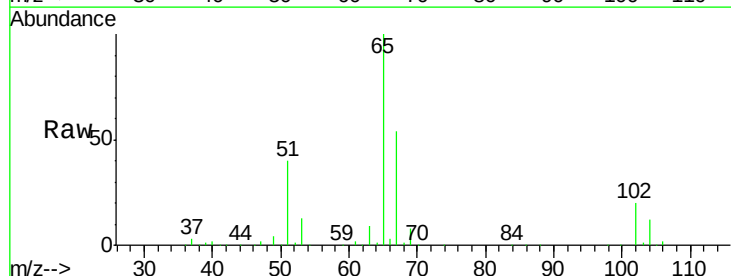
Acq: 26 Apr 2019 16:57

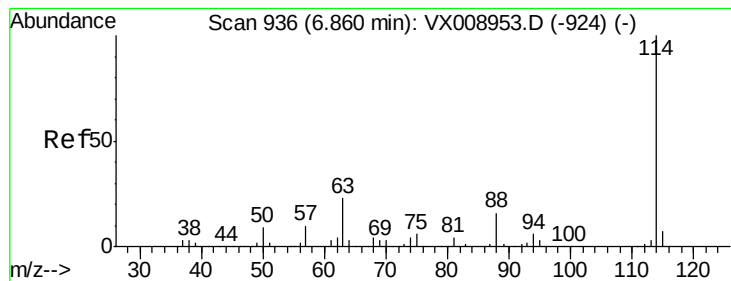
Tgt Ion: 65 Resp: 138698

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009194.D

Acq: 26 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

Z2-TB02-190423

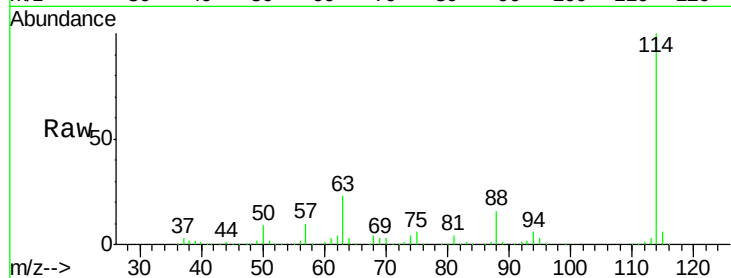
Tot Ion:114 Resp: 336680

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.0

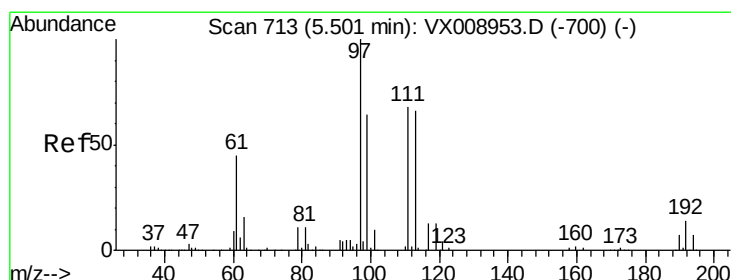
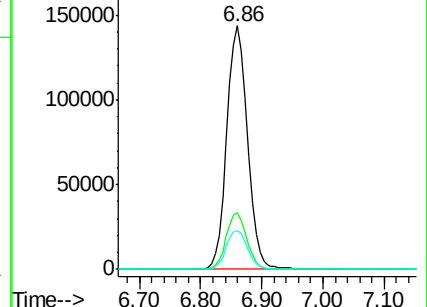
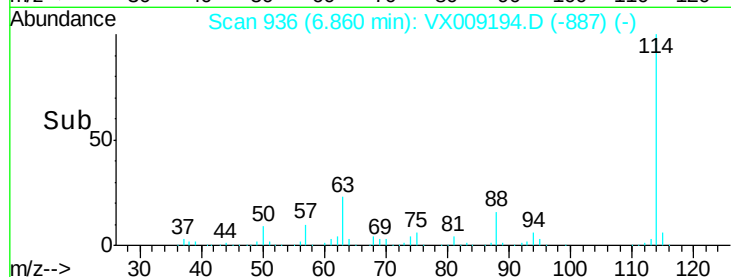
88 16.1 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.054 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009194.D

Acq: 26 Apr 2019 16:57

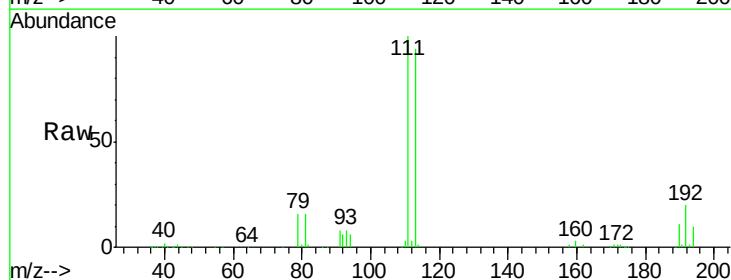
Tgt Ion:113 Resp: 101671

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

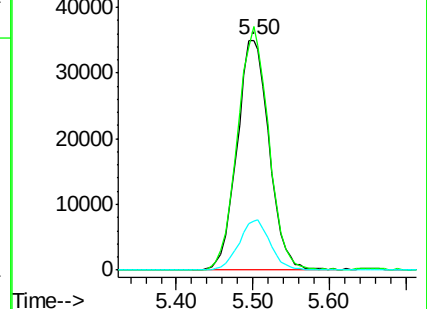
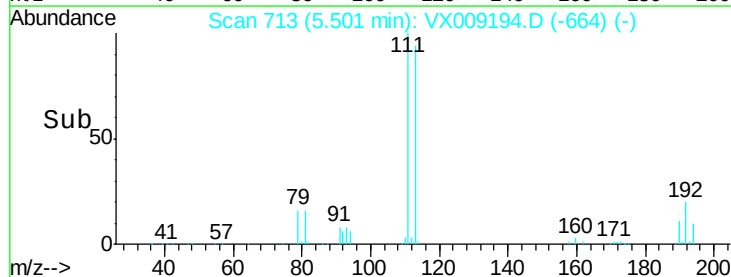
192 21.2 17.4 26.0

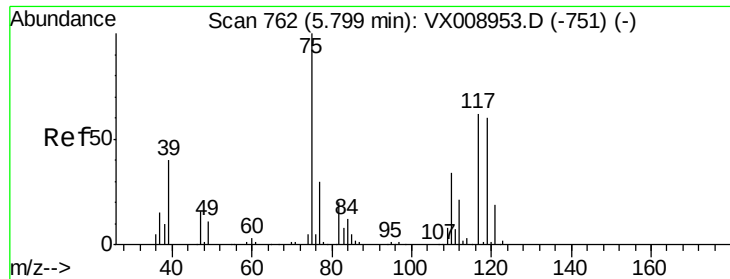


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

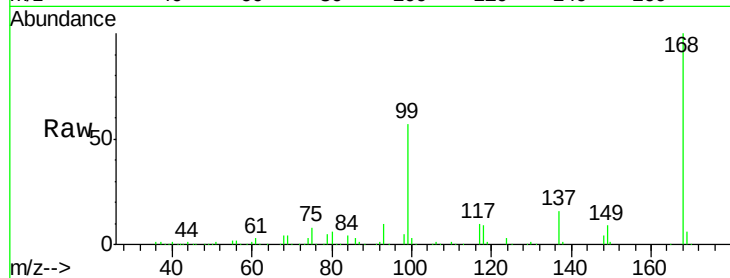




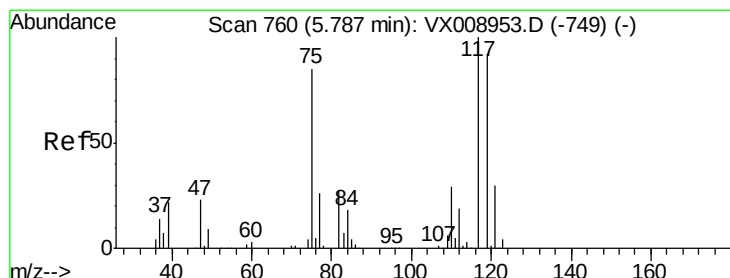
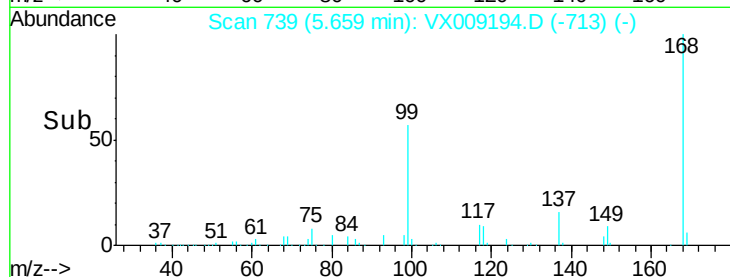
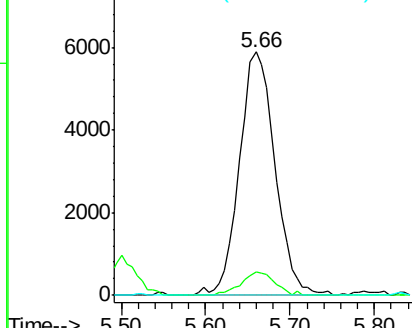
#36
 1,1-Dichloropropene
 Concen: 4.840 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009194.D
 Acq: 26 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-TB02-190423

Tot Ion	75	Resp	16854
Ion Ratio	Lower	Upper	
75	100		
110	9.2	16.9	50.7#
77	0.0	25.0	37.4#

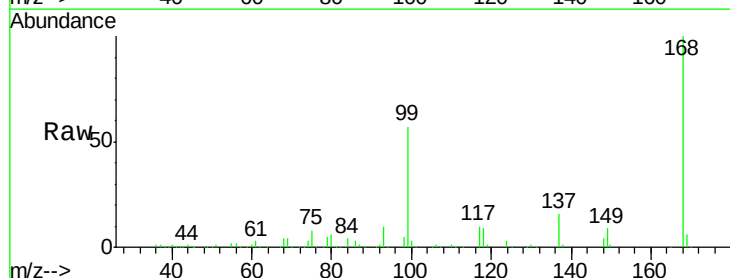


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

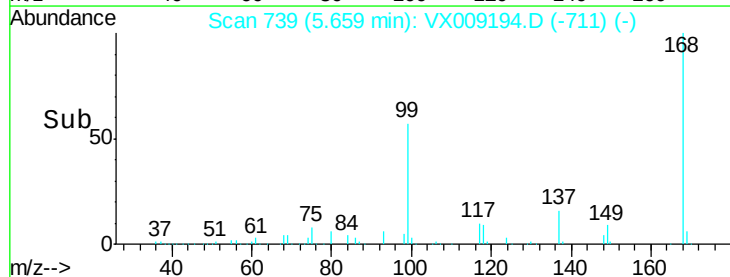
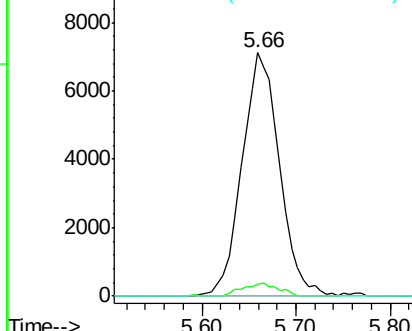


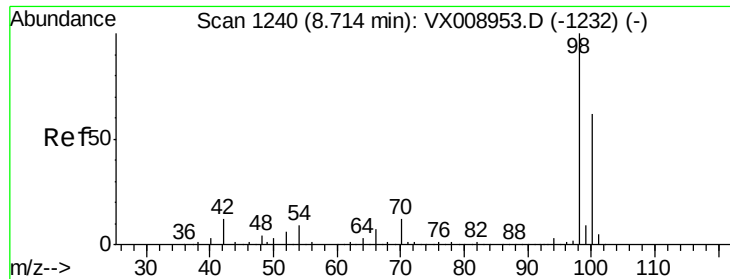
#38
 Carbon Tetrachloride
 Concen: 6.704 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX009194.D
 Acq: 26 Apr 2019 16:57

Tgt Ion	117	Resp	19790
Ion Ratio	Lower	Upper	
117	100		
119	5.1	73.8	110.8#
121	0.0	23.6	35.4#



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

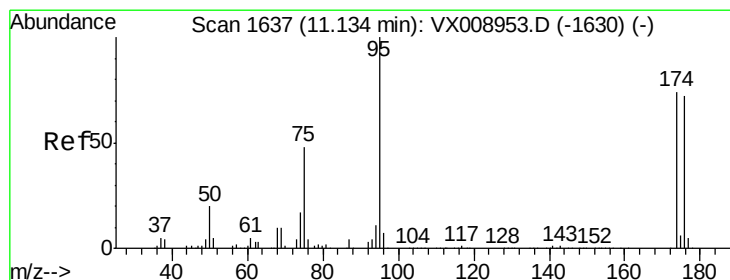
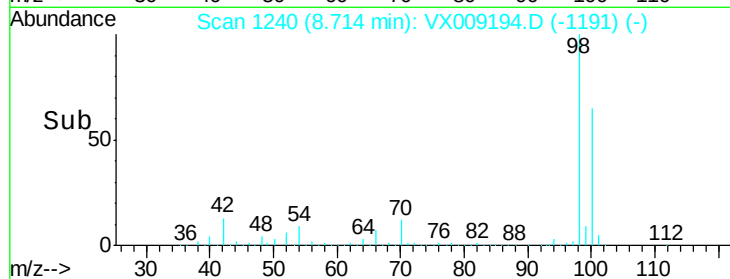
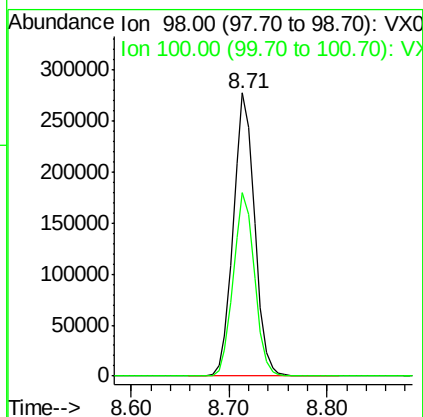
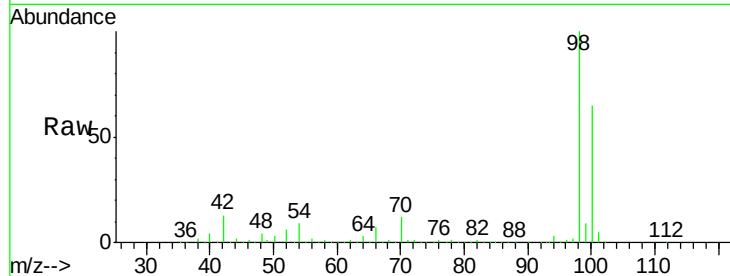




#50
Toluene-d8
Concen: 48.775 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009194.D
Acq: 26 Apr 2019 16:57

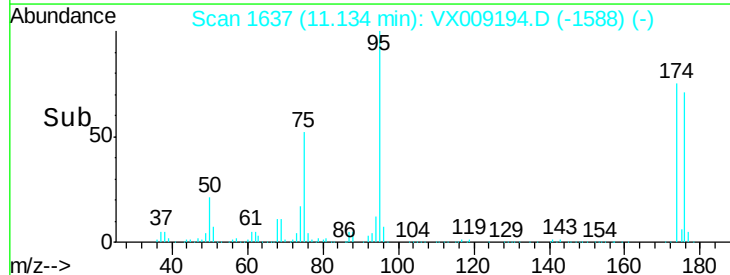
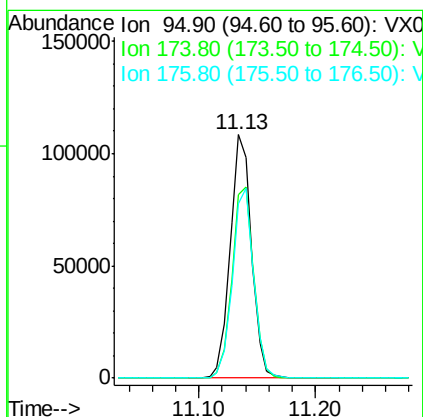
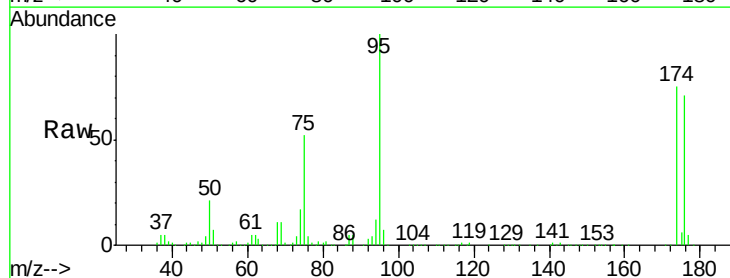
Instrument :
MSVOA_X
ClientSampleId :
Z2-TB02-190423

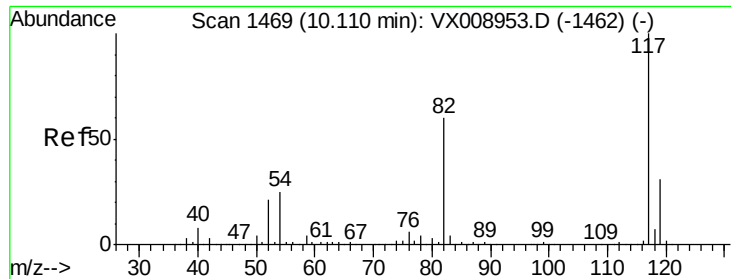
Tot Ion: 98 Resp: 420297
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.357 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009194.D
Acq: 26 Apr 2019 16:57

Tgt Ion: 95 Resp: 137969
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.6
176 77.8 0.0 154.8

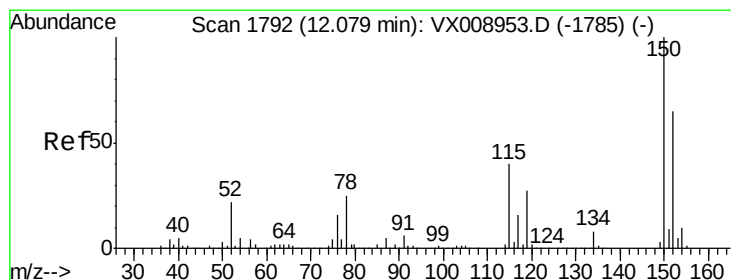
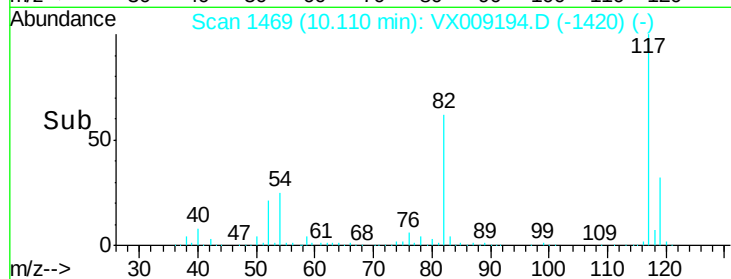
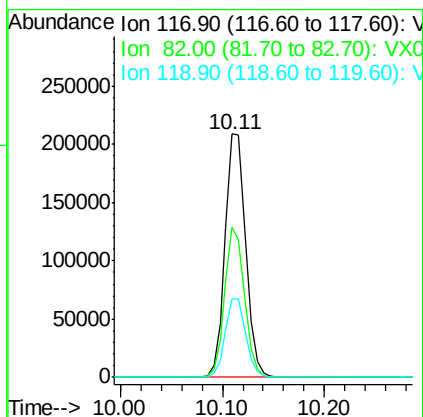
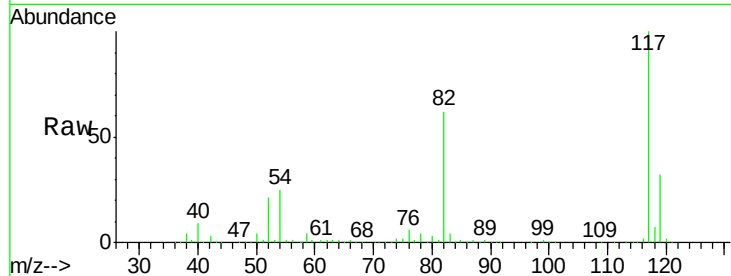




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009194.D
Acq: 26 Apr 2019 16:57

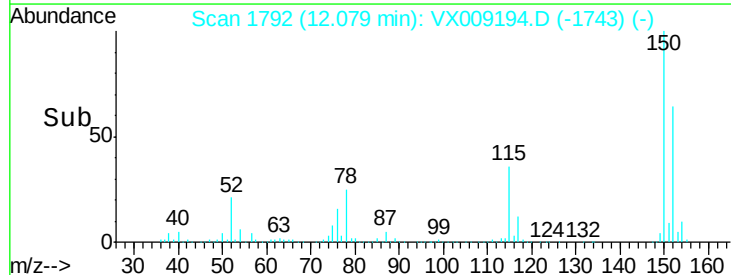
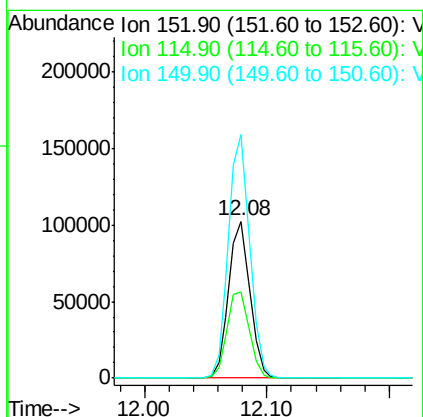
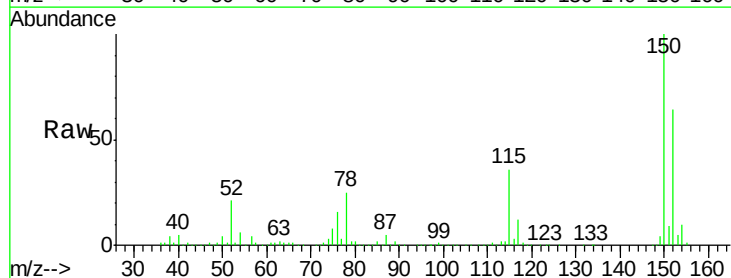
Instrument :
MSVOA_X
ClientSampleId :
Z2-TB02-190423

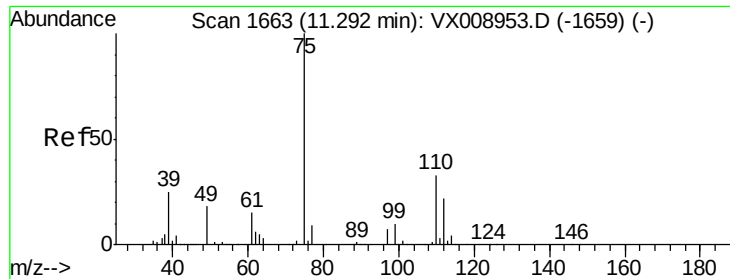
Tot Ion:117 Resp: 292969
Ion Ratio Lower Upper
117 100
82 61.6 48.2 72.4
119 32.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009194.D
Acq: 26 Apr 2019 16:57

Tgt Ion:152 Resp: 123319
Ion Ratio Lower Upper
152 100
115 57.9 41.4 124.2
150 155.3 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 23.279 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009194.D

Acq: 26 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

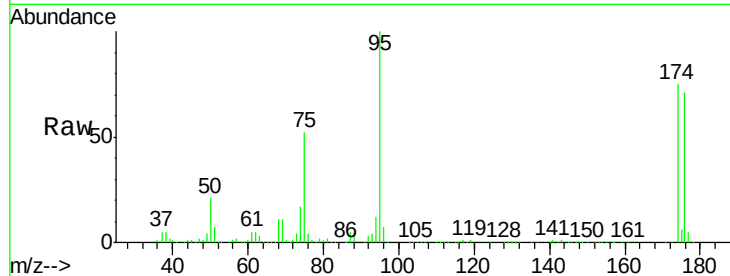
Z2-TB02-190423

Tot Ion: 75 Resp: 70097

Ion Ratio Lower Upper

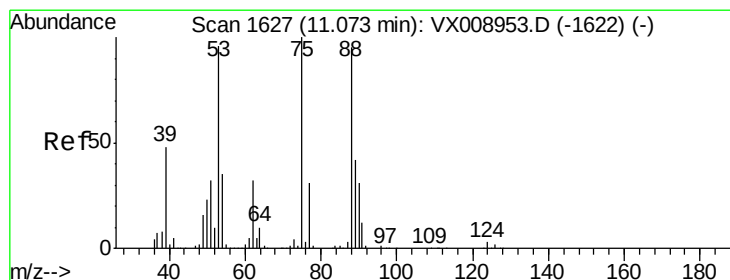
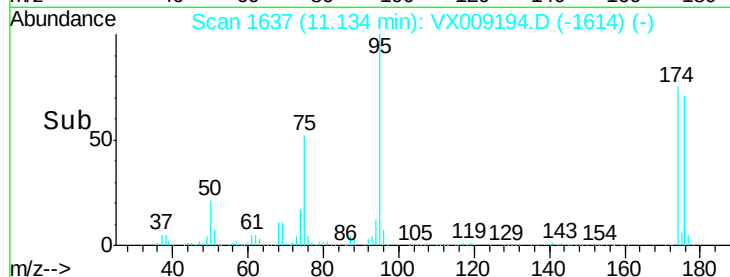
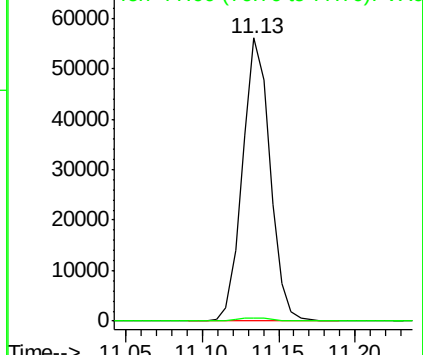
75 100

77 1.4 22.7 68.0#



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: 59.763 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009194.D

Acq: 26 Apr 2019 16:57

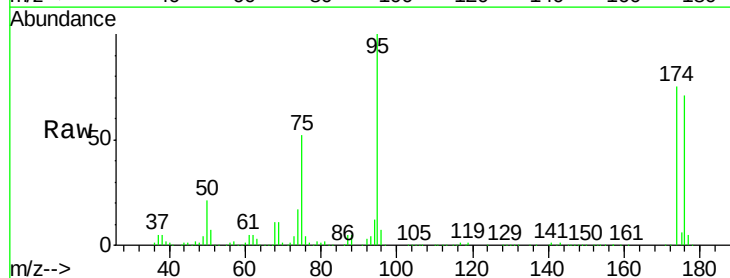
Tgt Ion: 75 Resp: 70097

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

