

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011515.D
 Acq On : 13 Aug 2019 04:20
 Operator : JC/SP
 Sample : K4278-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0706

Quant Time: Aug 13 07:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

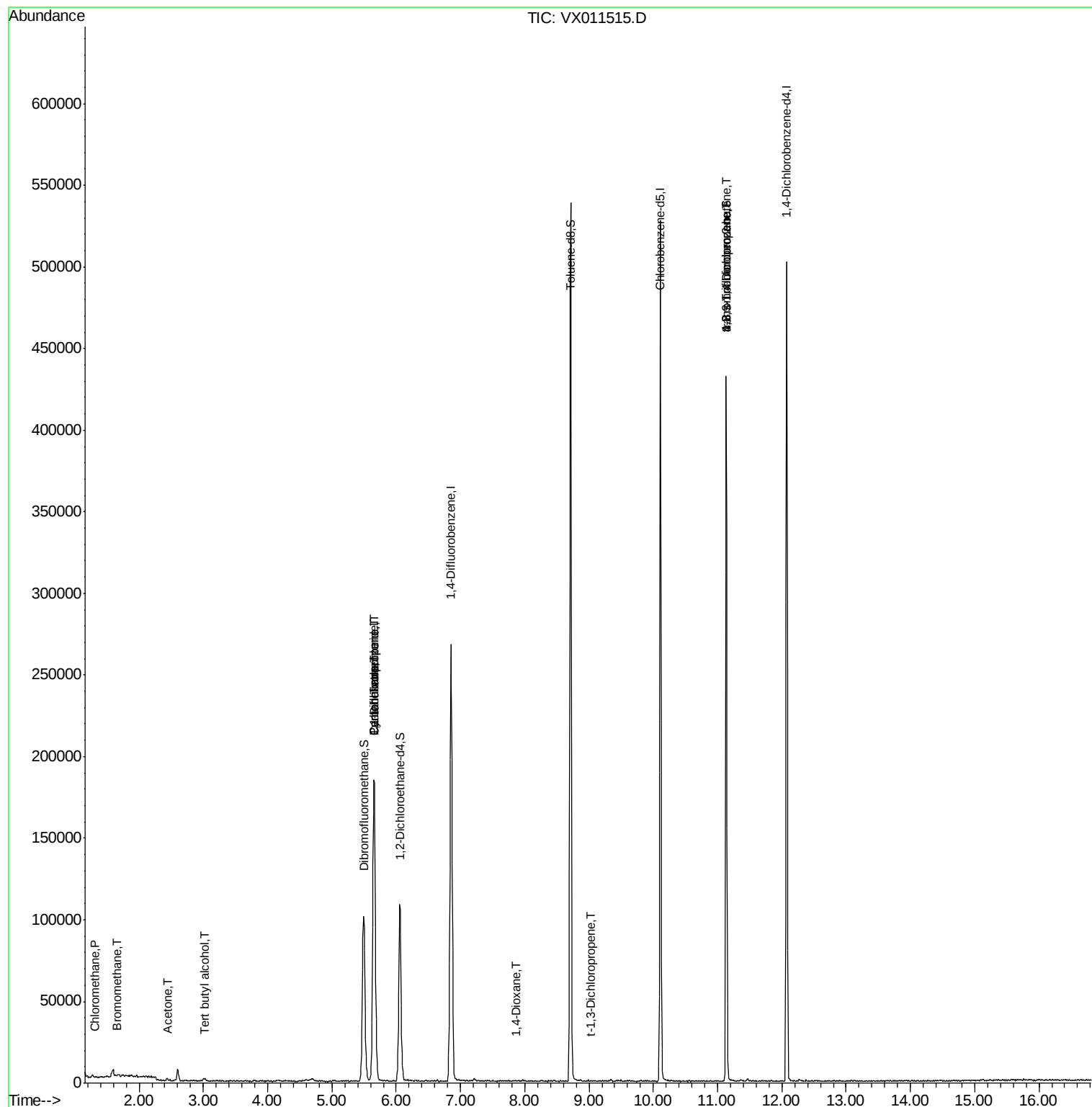
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	180223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274238	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106190	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	102170	56.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.58%	
35) Dibromofluoromethane	5.49	113	85304	47.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.28%	
50) Toluene-d8	8.71	98	318998	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.13	95	101979	42.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.52%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	539	0.345	ug/l	91
5) Bromomethane	1.65	94	387	0.316	ug/l #	42
6) Chloroethane	1.70	64	249	Below Cal	#	46
11) Tert butyl alcohol	3.02	59	898	2.504	ug/l	98
13) Acrolein	2.28	56	65	Below Cal	#	75
16) Acetone	2.44	43	1992	2.306	ug/l #	86
31) Cyclohexane	5.65	56	3616	1.547	ug/l #	8
36) 1,1-Dichloropropene	5.65	75	12351	5.158	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17836	7.404	ug/l #	14
49) 1,4-Dioxane	7.87	88	48	0.916	ug/l #	54
53) t-1,3-Dichloropropene	9.02	75	21	2.846	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	52996	27.404	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	52996	71.079	ug/l #	10

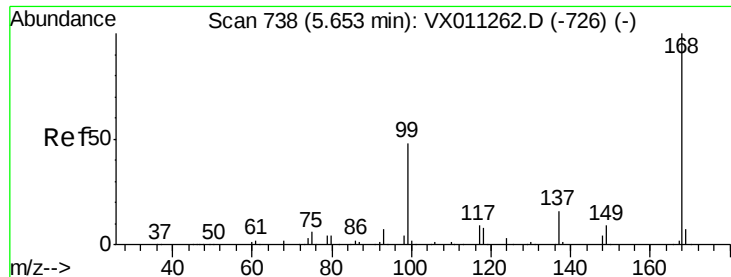
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011515.D

Acq: 13 Aug 2019 04:20

Instrument :

MSVOA_X

ClientSampled :

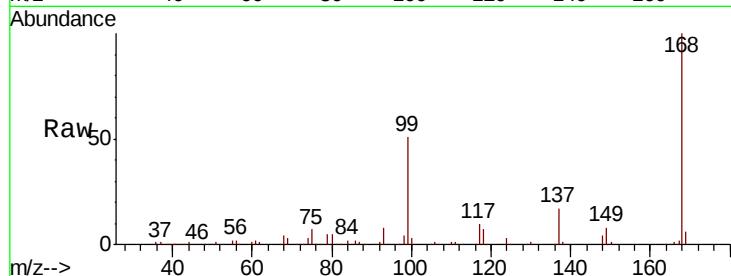
Z3-0706

Tgt Ion: 168 Resp: 180223

Ion Ratio Lower Upper

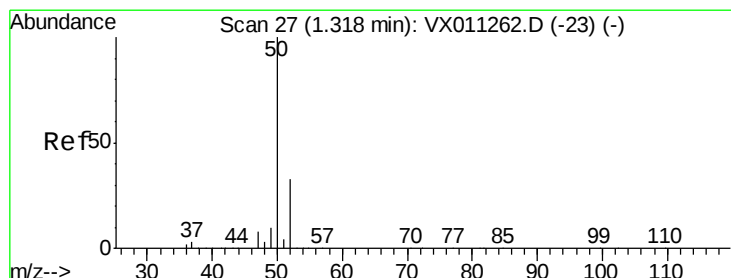
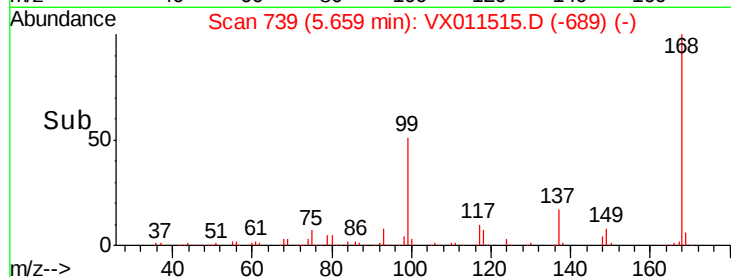
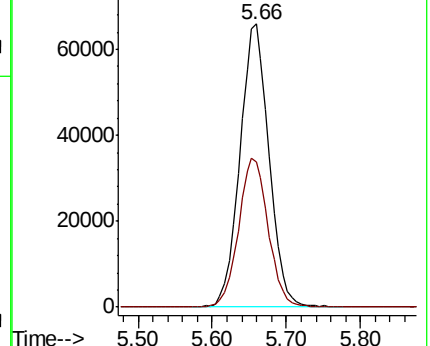
168 100

99 51.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.345 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011515.D

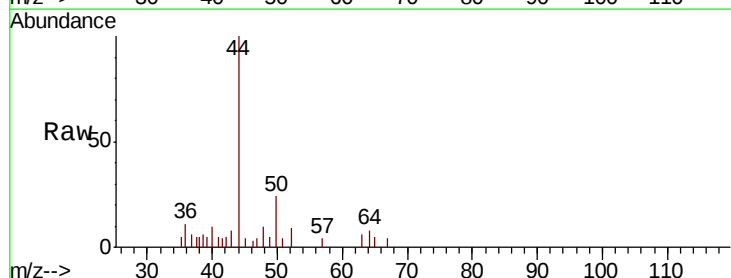
Acq: 13 Aug 2019 04:20

Tgt Ion: 50 Resp: 539

Ion Ratio Lower Upper

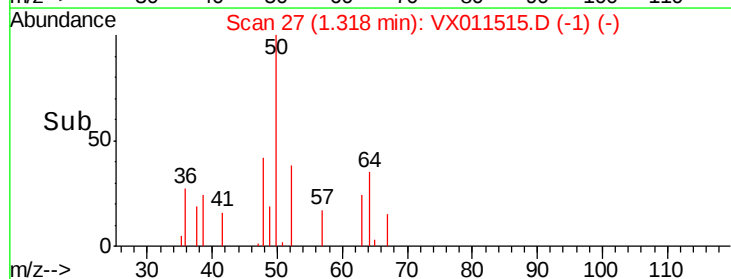
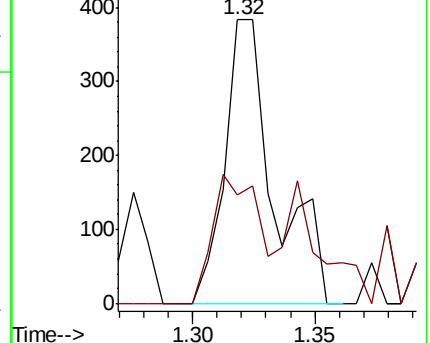
50 100

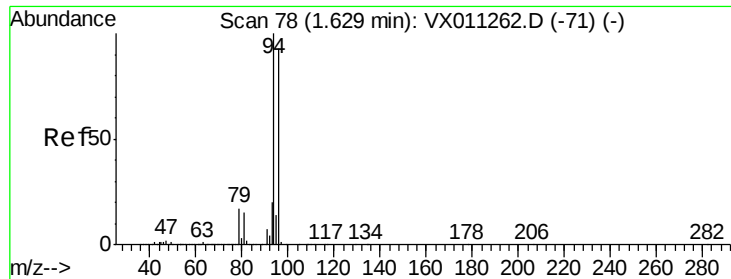
52 38.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.316 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011515.D

Acq: 13 Aug 2019 04:20

Instrument :

MSVOA_X

ClientSampled :

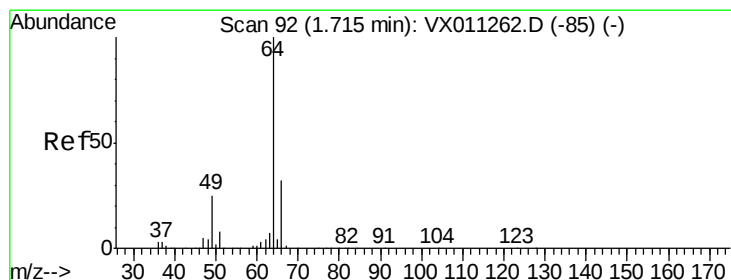
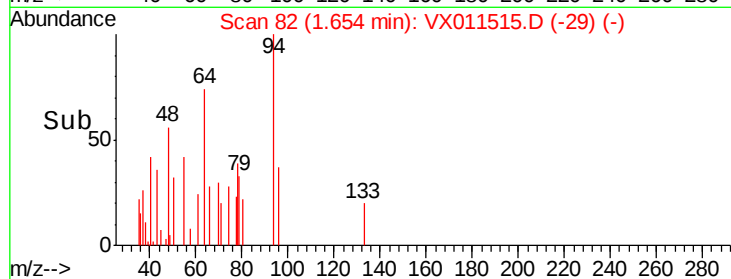
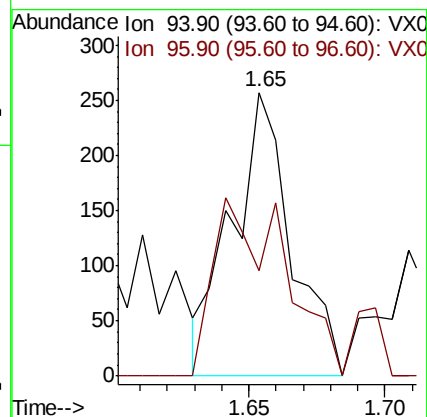
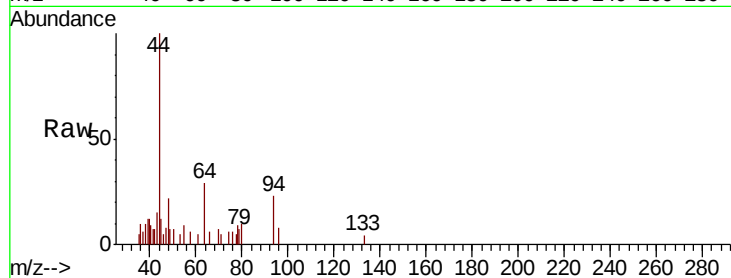
Z3-0706

Tgt Ion: 94 Resp: 387

Ion Ratio Lower Upper

94 100

96 37.4 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011515.D

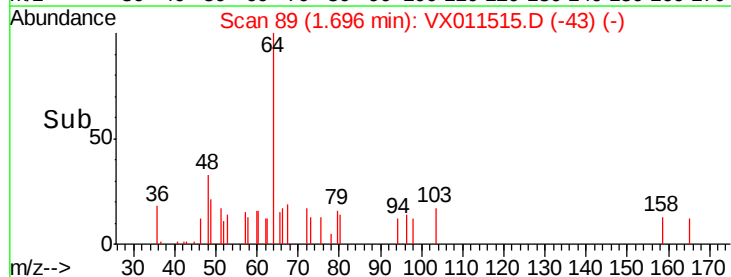
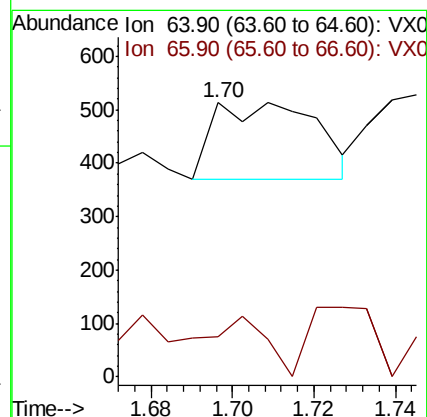
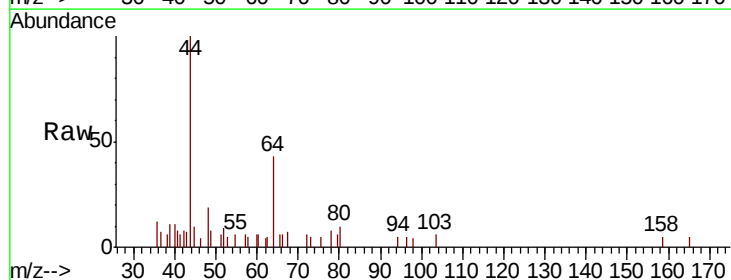
Acq: 13 Aug 2019 04:20

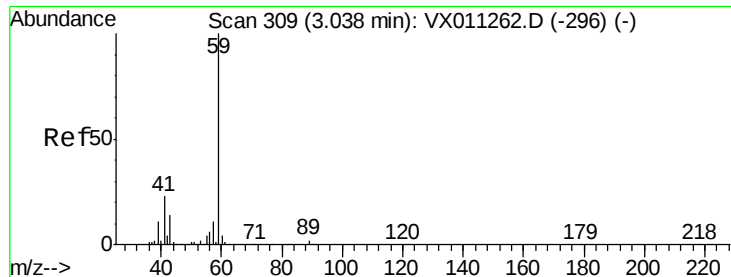
Tgt Ion: 64 Resp: 249

Ion Ratio Lower Upper

64 100

66 1.4 25.1 37.7#

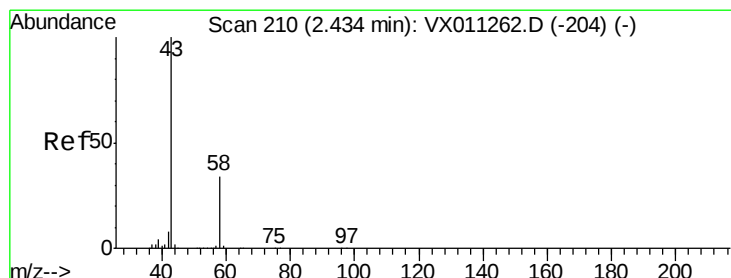
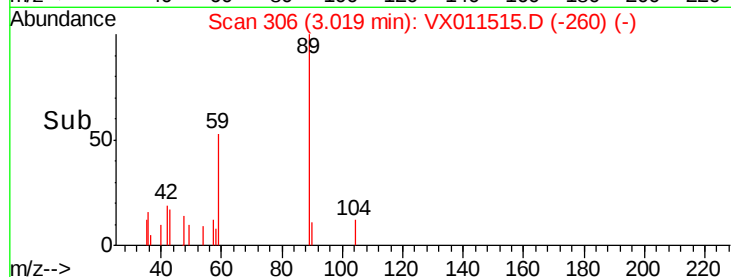
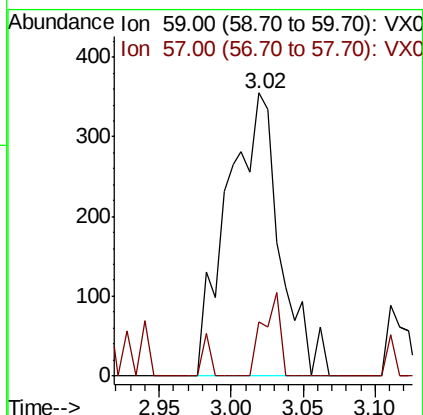
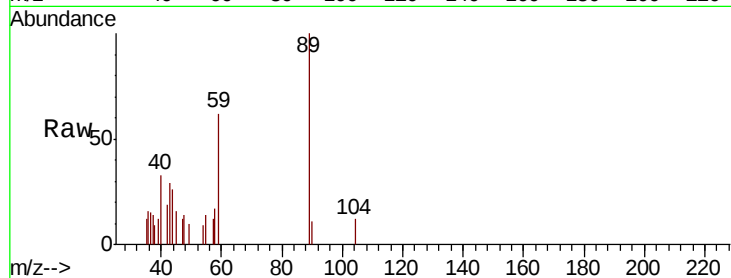




#11
Tert butyl alcohol
Concen: 2.504 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

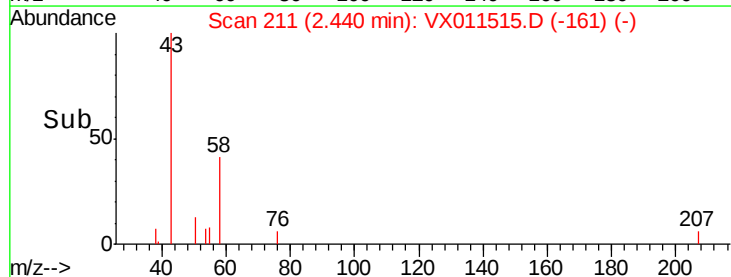
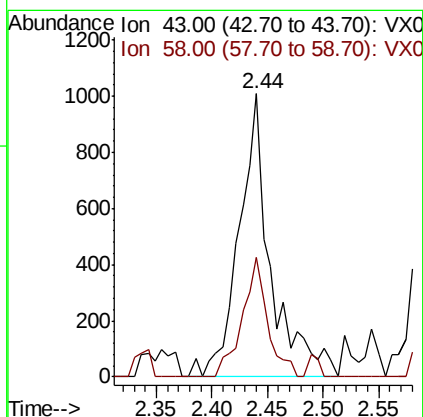
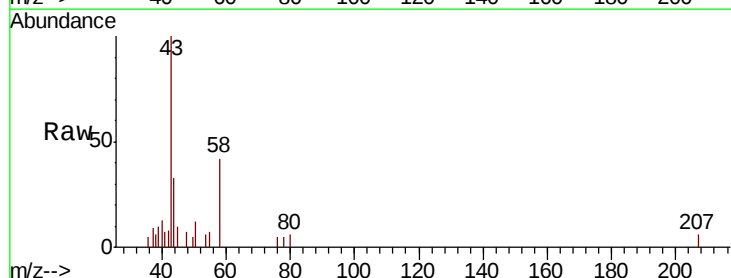
Instrument :
MSVOA_X
ClientSampleId :
Z3-0706

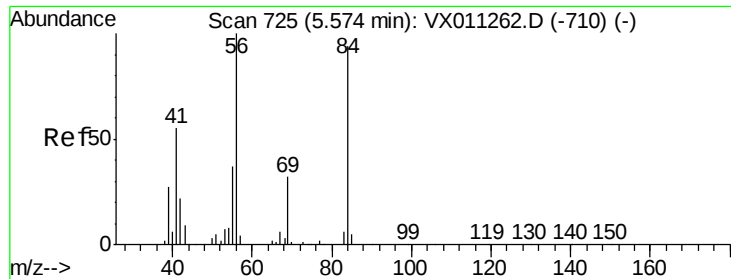
Tgt Ion: 59 Resp: 898
Ion Ratio Lower Upper
59 100
57 9.5 8.3 12.5



#16
Acetone
Concen: 2.306 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.01 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Tgt Ion: 43 Resp: 1992
Ion Ratio Lower Upper
43 100
58 42.2 27.4 41.0#

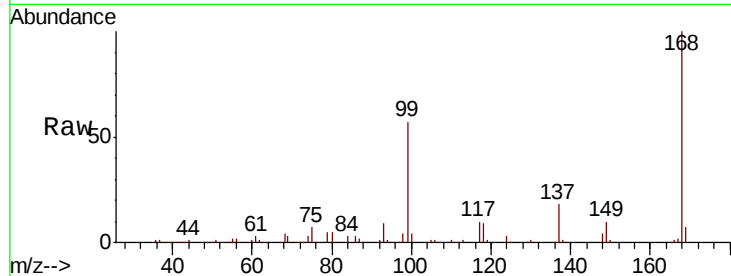




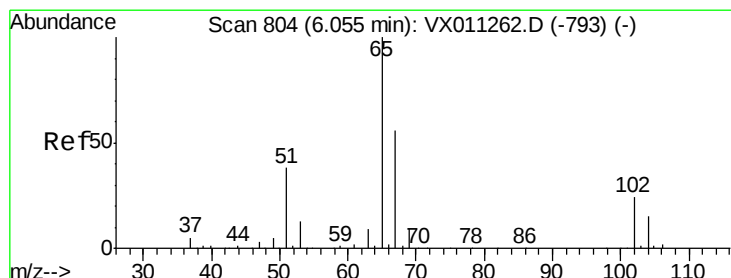
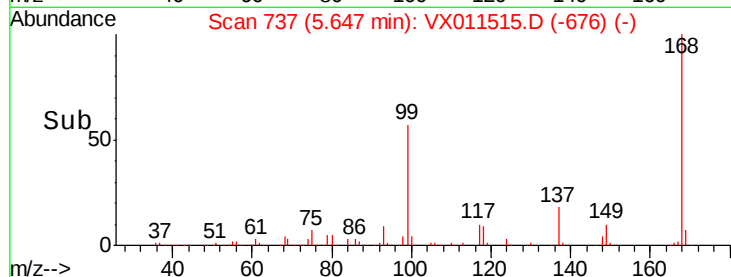
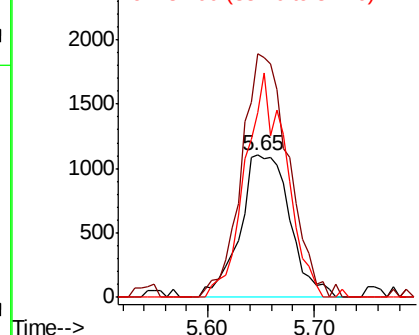
#31
Cyclohexane
Concen: 1.547 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Instrument :
MSVOA_X
ClientSampled :
Z3-0706

Tgt Ion: 56 Resp: 3616
Ion Ratio Lower Upper
56 100
69 171.5 25.5 38.3#
84 129.7 75.0 112.4#

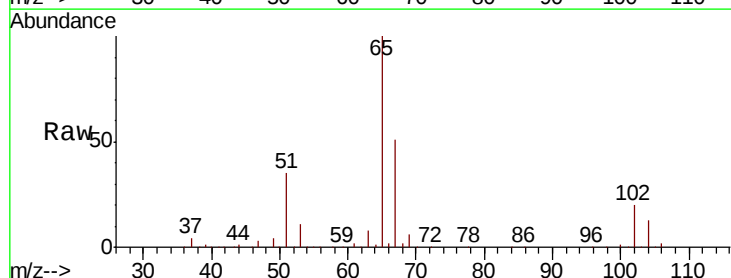


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

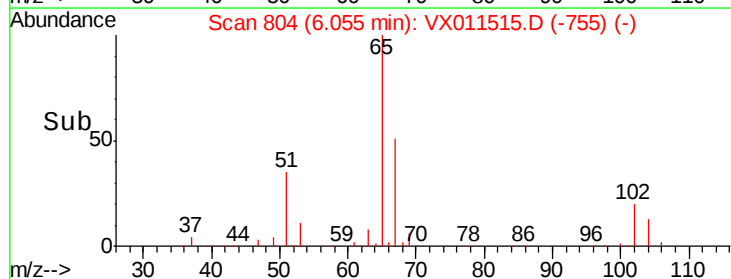
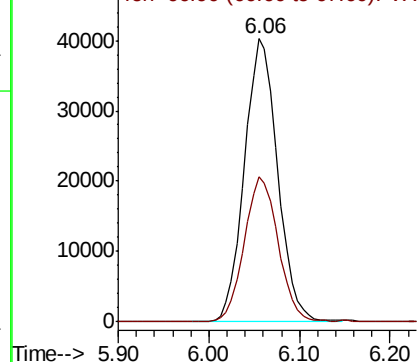


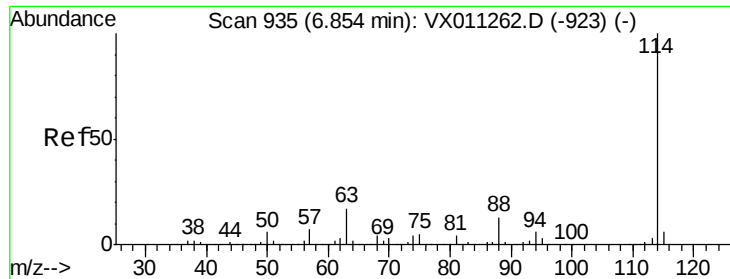
#33
1,2-Dichloroethane-d4
Concen: 56.294 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Tgt Ion: 65 Resp: 102170
Ion Ratio Lower Upper
65 100
67 52.5 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

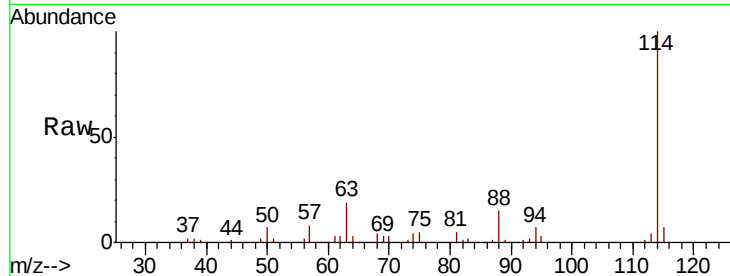




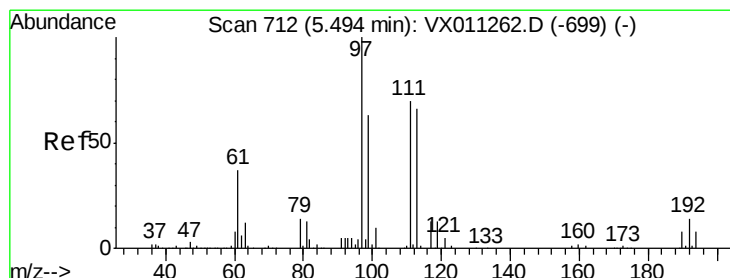
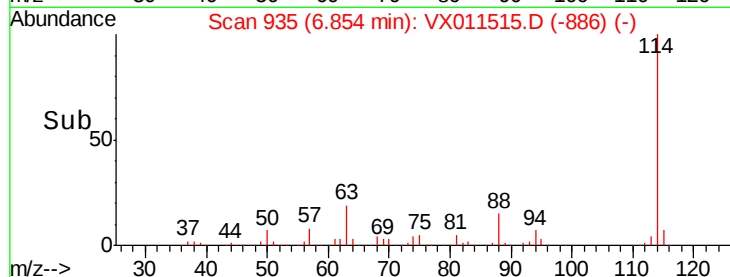
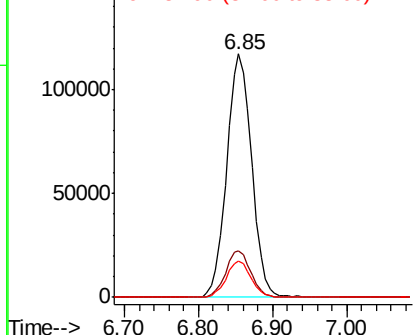
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011515.D
 Acq: 13 Aug 2019 04:20

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0706

Tgt Ion:114 Resp: 274238
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 34.0
 88 15.0 0.0 26.4

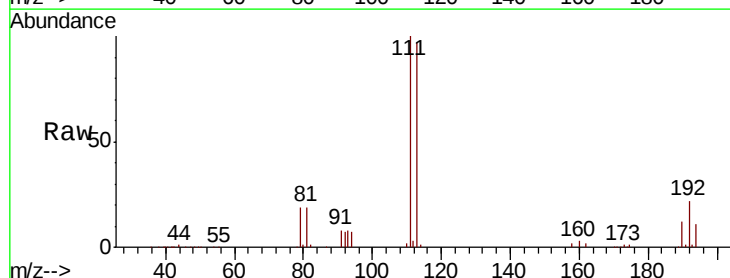


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

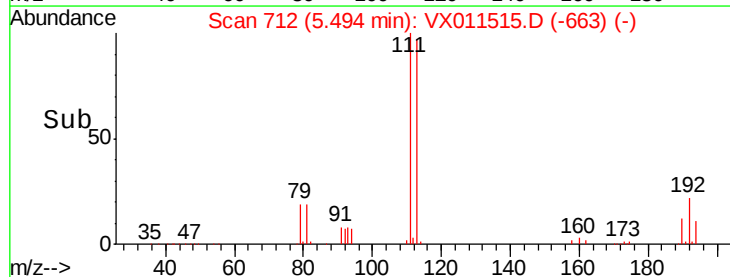
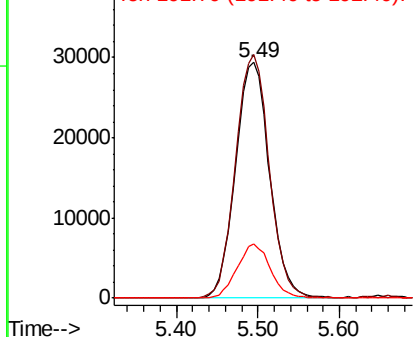


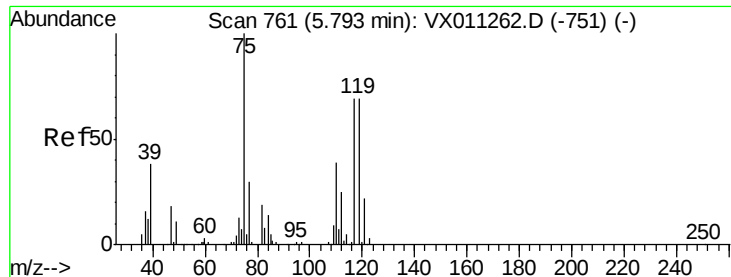
#35
 Dibromofluoromethane
 Concen: 47.644 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011515.D
 Acq: 13 Aug 2019 04:20

Tgt Ion:113 Resp: 85304
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.9 122.9
 192 22.4 17.8 26.8



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

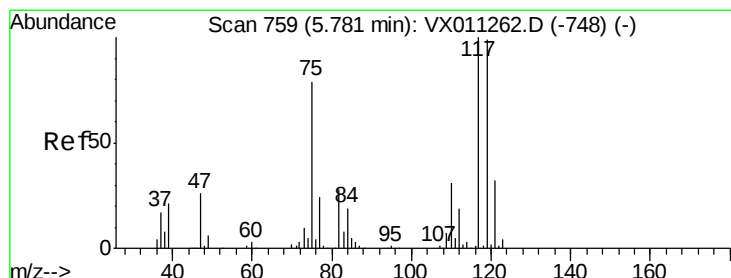
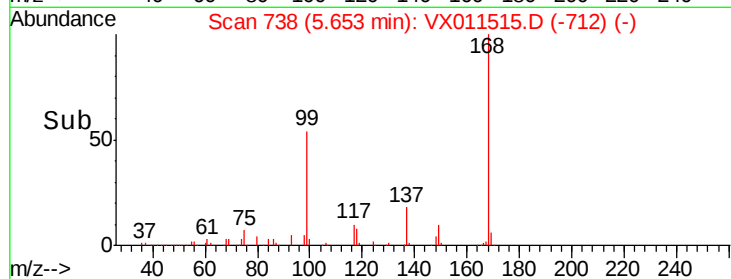
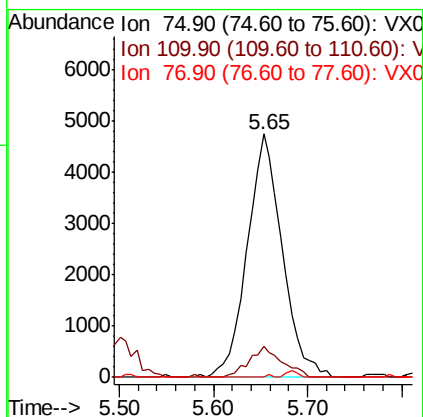
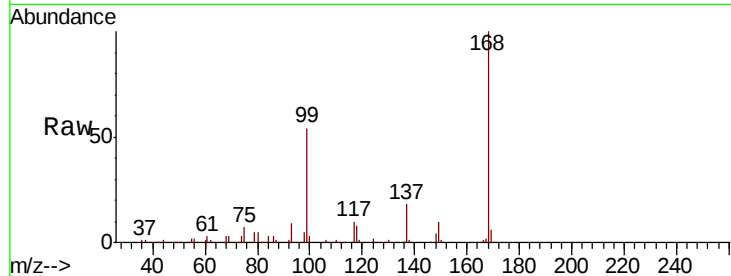




#36
 1,1-Dichloropropene
 Concen: 5.158 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011515.D
 Acq: 13 Aug 2019 04:20

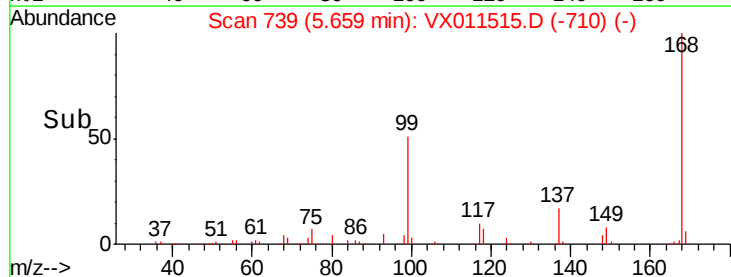
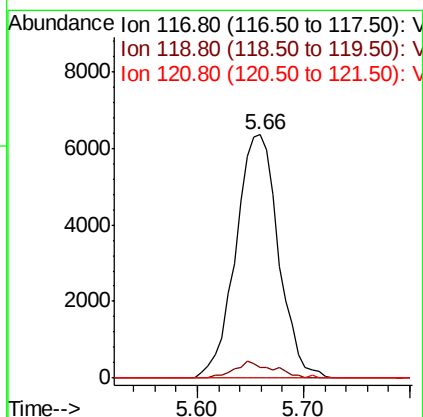
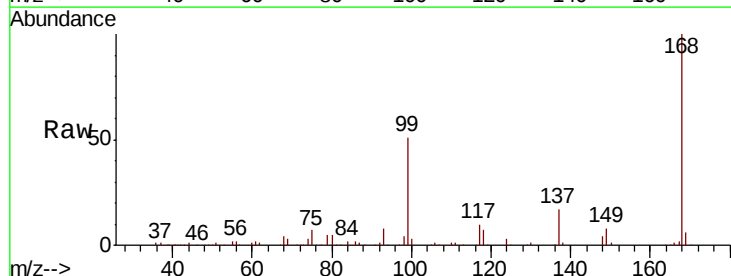
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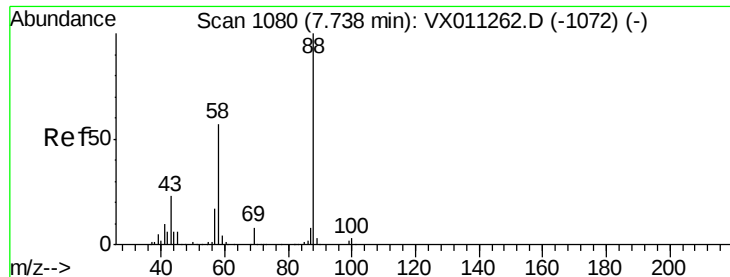
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	20.0	59.9#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.404 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011515.D
 Acq: 13 Aug 2019 04:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	79.0	118.4#
121	0.0	25.9	38.9#

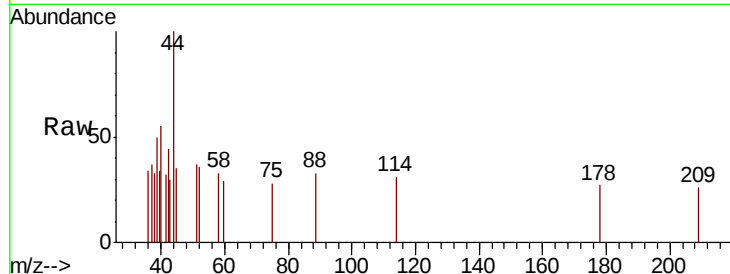




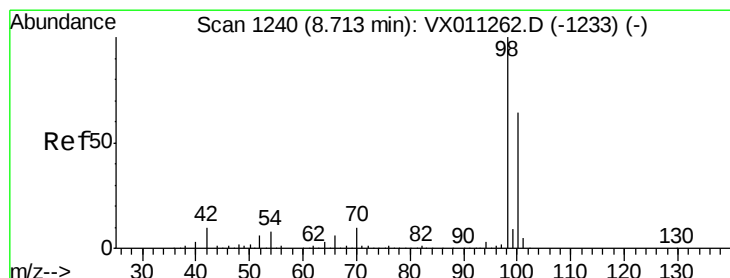
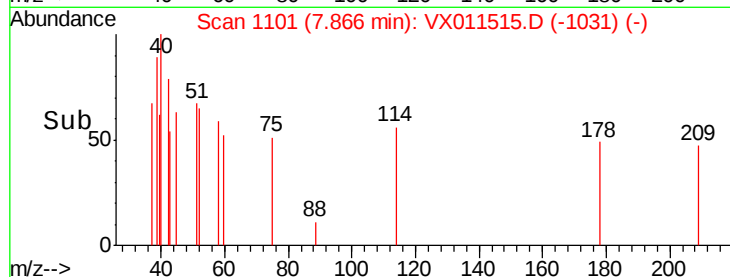
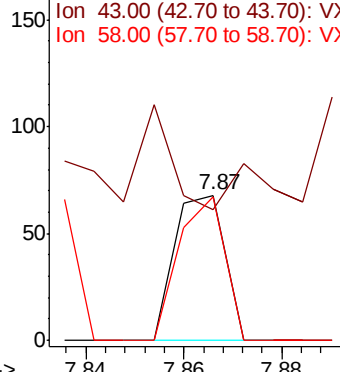
#49
1,4-Dioxane
Concen: 0.916 ug/l
RT: 7.87 min Scan# 1101
Delta R.T. 0.13 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Instrument :
MSVOA_X
ClientSampleId :
Z3-0706

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 91.7 47.8 71.8#

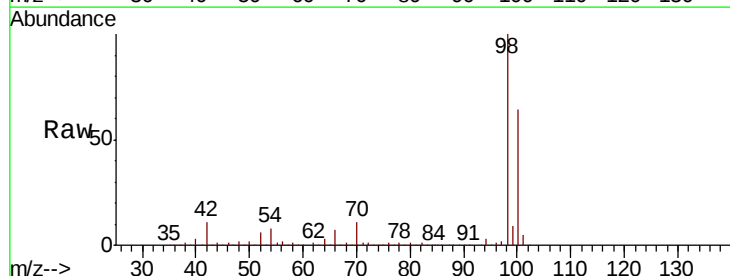


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

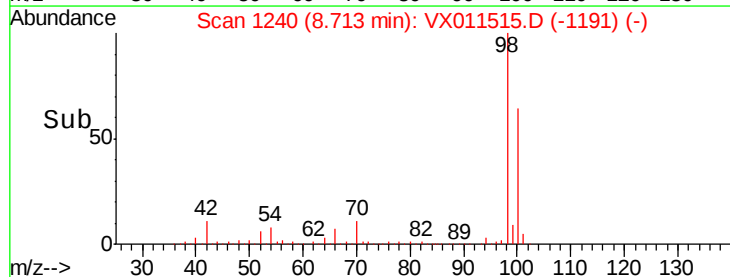
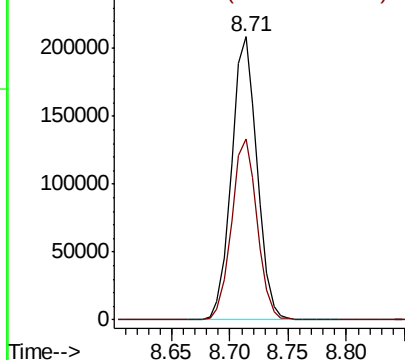


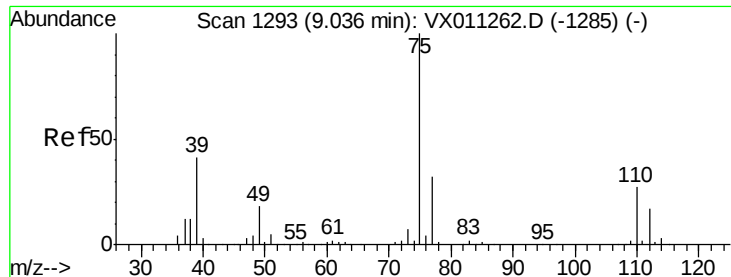
#50
Toluene-d8
Concen: 47.200 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Tgt Ion: 98 Resp: 318998
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



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

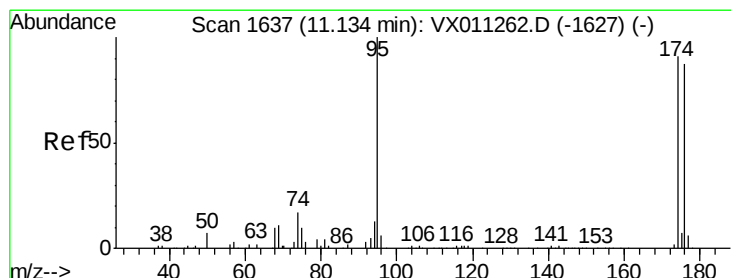
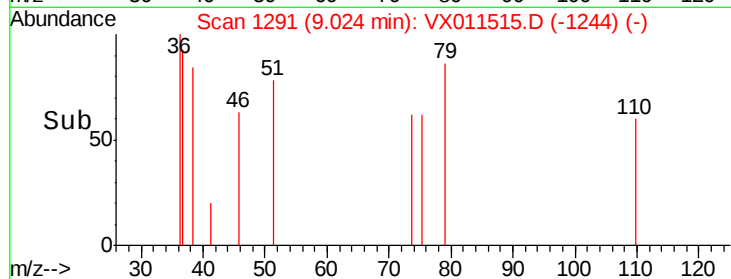
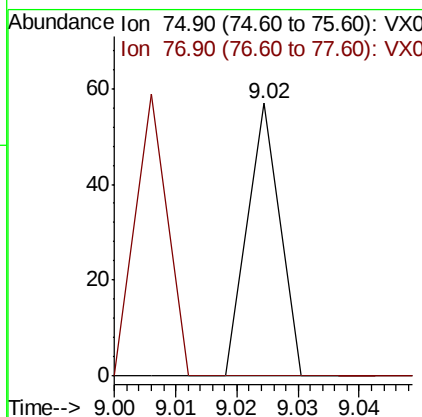
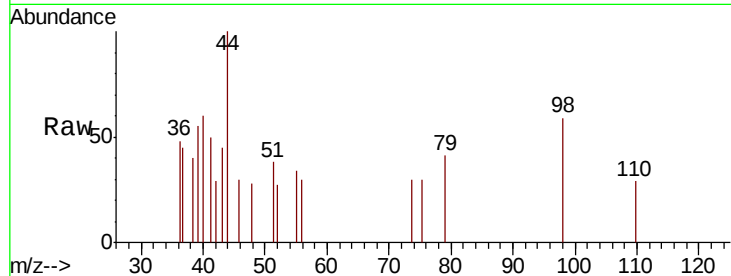




#53
t-1,3-Dichloropropene
Concen: 2.846 ug/l
RT: 9.02 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

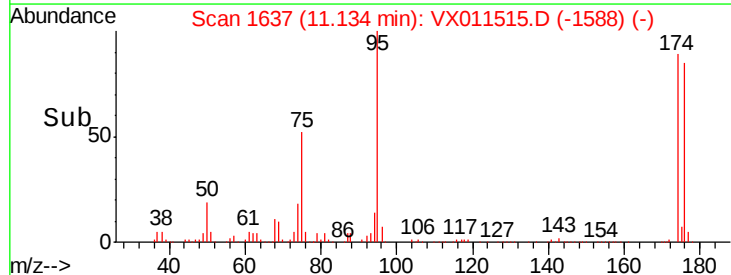
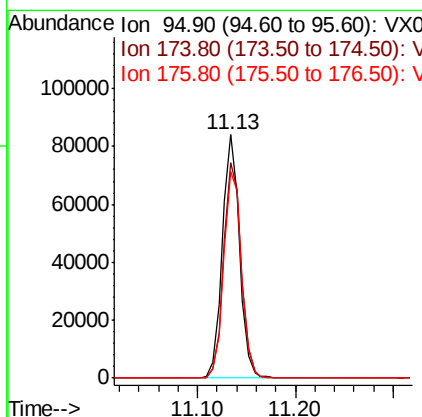
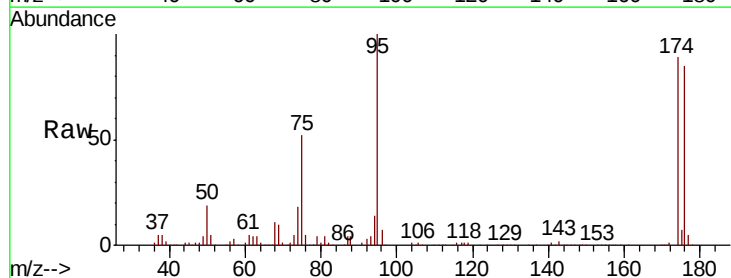
Instrument :
MSVOA_X
ClientSampleId :
Z3-0706

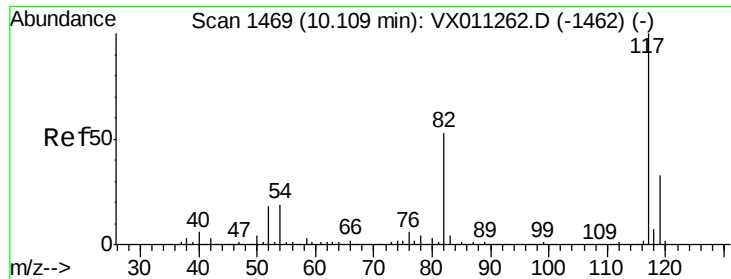
Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 42.264 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Tgt Ion: 95 Resp: 101979
Ion Ratio Lower Upper
95 100
174 91.4 0.0 191.2
176 88.2 0.0 184.8

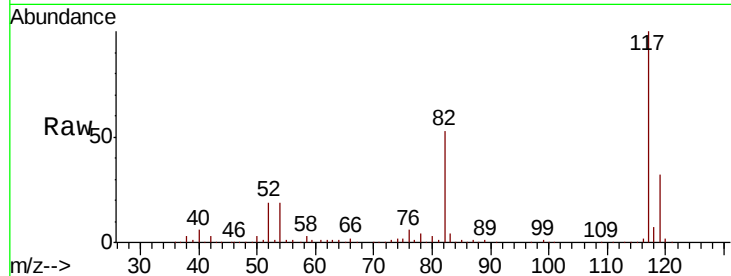




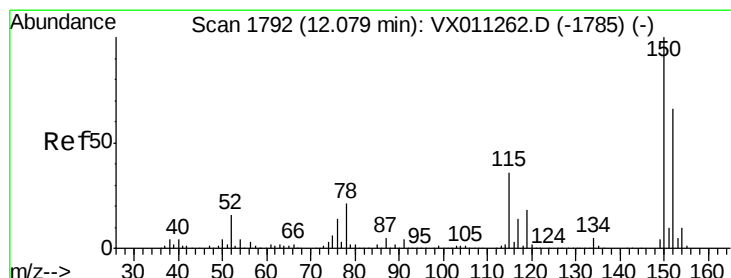
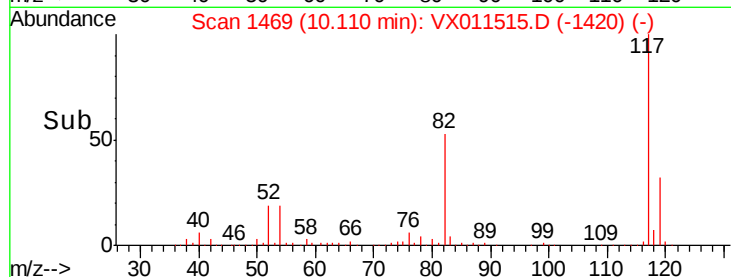
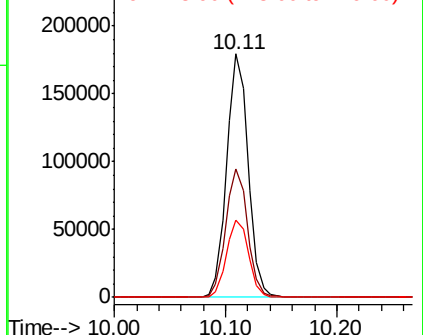
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Instrument :
MSVOA_X
ClientSampleId :
Z3-0706

Tgt Ion:117 Resp: 239622
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 31.7 26.6 39.8

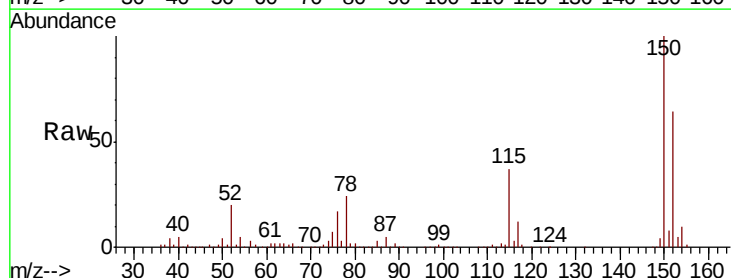


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

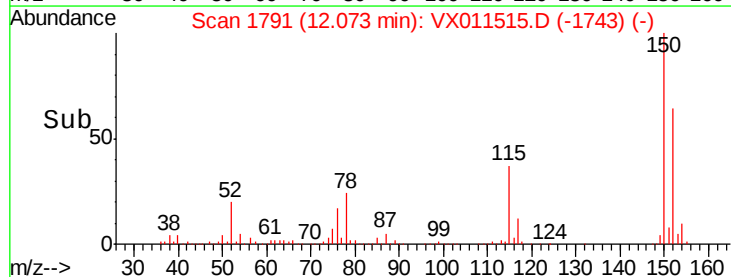
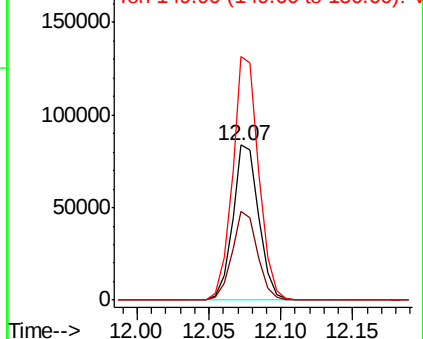


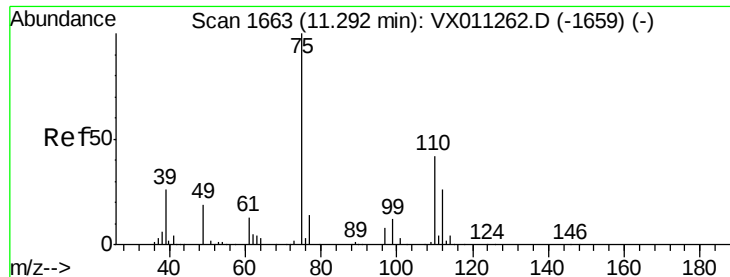
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Tgt Ion:152 Resp: 106190
Ion Ratio Lower Upper
152 100
115 56.4 40.0 119.9
150 157.1 0.0 350.4



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: 27.404 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011515.D

Acq: 13 Aug 2019 04:20

Instrument :

MSVOA_X

ClientSampleId :

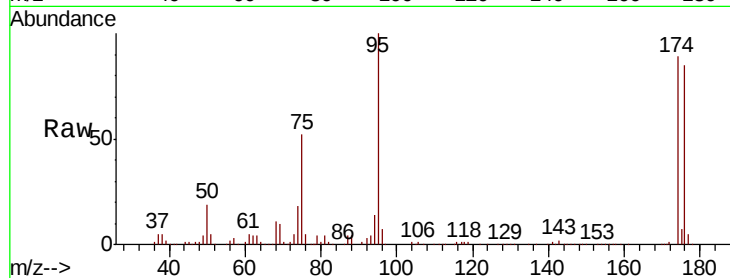
Z3-0706

Tgt Ion: 75 Resp: 52996

Ion Ratio Lower Upper

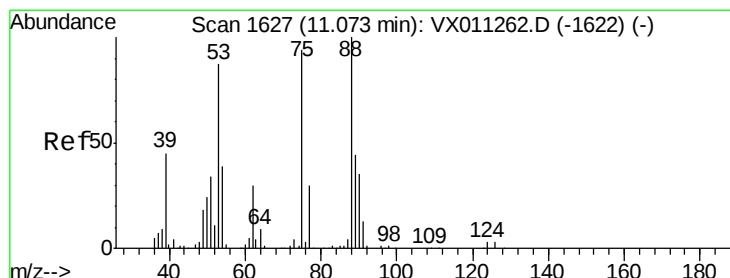
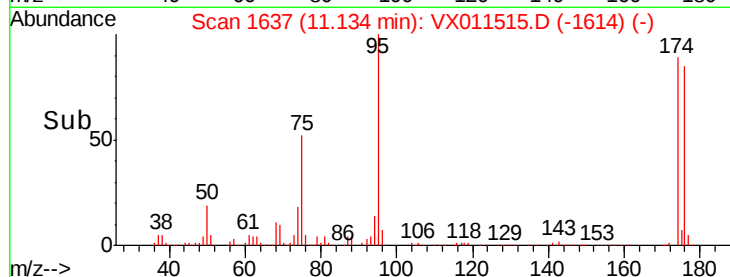
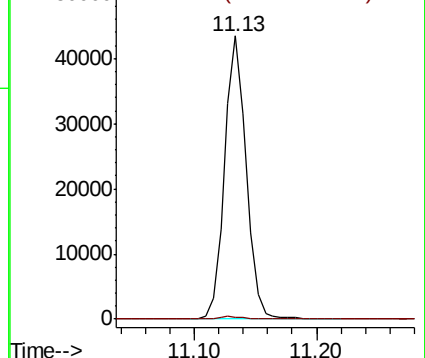
75 100

77 1.4 21.1 63.4#



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: 71.079 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011515.D

Acq: 13 Aug 2019 04:20

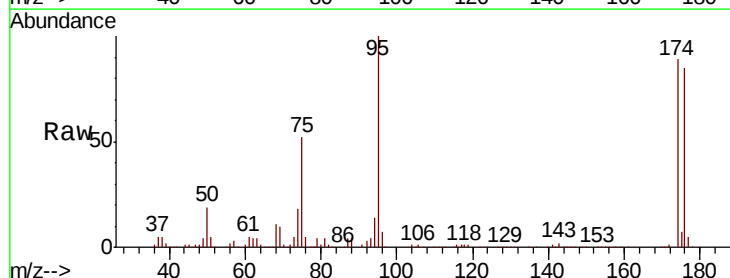
Tgt Ion: 75 Resp: 52996

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 37.9 56.9#



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

