

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011514.D
 Acq On : 13 Aug 2019 03:57
 Operator : JC/SP
 Sample : K4278-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0709

Quant Time: Aug 13 07:48:54 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

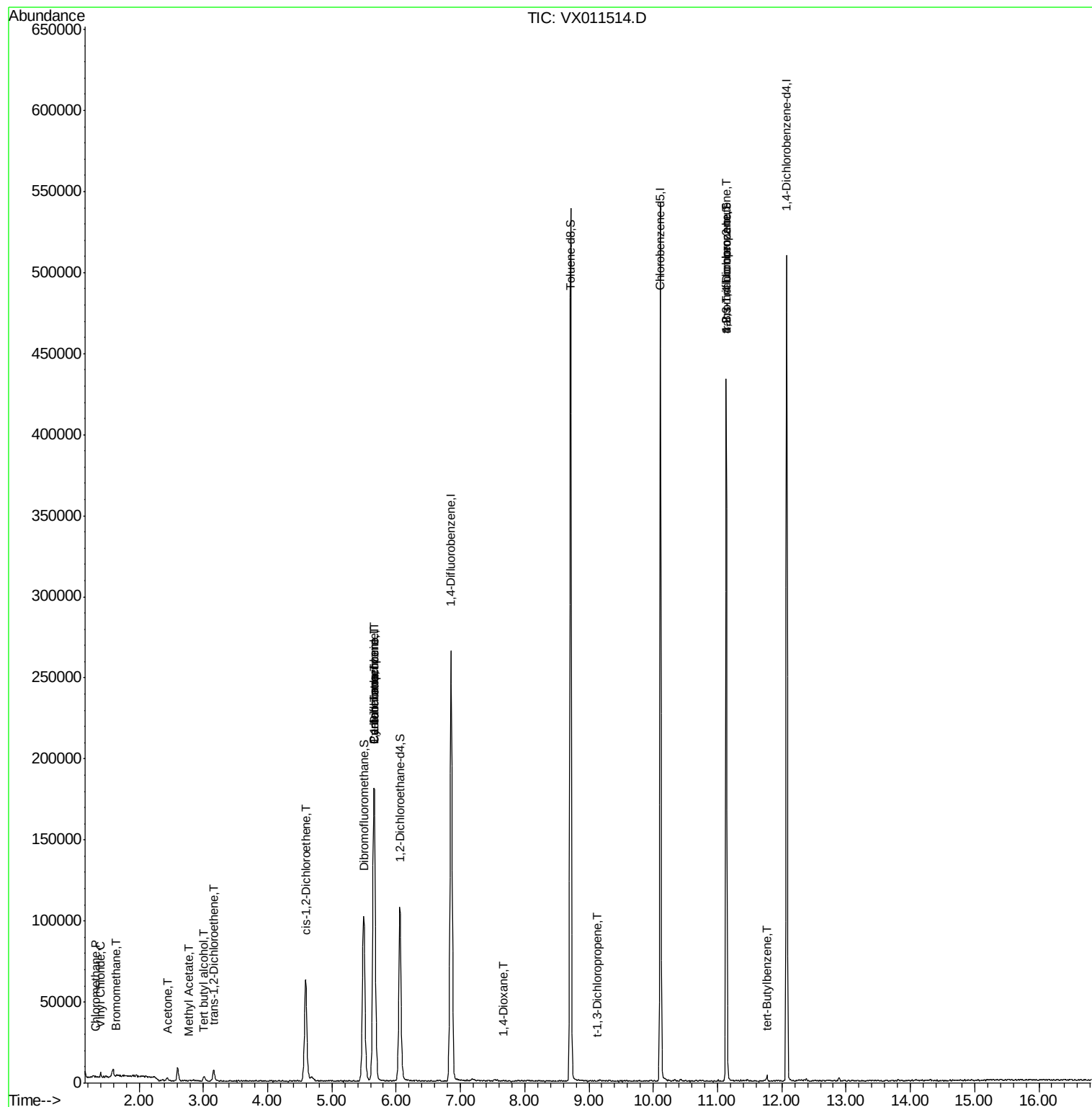
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	179073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269847	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107379	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	101279	56.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.32%	
35) Dibromofluoromethane	5.49	113	84472	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.90%	
50) Toluene-d8	8.71	98	317578	47.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.13	95	103907	43.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.52%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	495	0.319 ug/l	#	74
4) Vinyl Chloride	1.40	62	1659	0.971 ug/l		93
5) Bromomethane	1.65	94	313	0.257 ug/l	#	80
6) Chloroethane	1.72	64	228	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	1604	4.483 ug/l	#	76
13) Acrolein	2.29	56	72	Below Cal	#	41
16) Acetone	2.43	43	2131	2.483 ug/l		93
18) Methyl Acetate	2.76	43	624	0.318 ug/l		96
21) trans-1,2-Dichloroethene	3.16	96	2648	1.536 ug/l	#	81
27) cis-1,2-Dichloroethene	4.59	96	41719	21.015 ug/l		93
31) Cyclohexane	5.65	56	3470	1.494 ug/l	#	1
36) 1,1-Dichloropropene	5.66	75	12561	5.331 ug/l	#	50
38) Carbon Tetrachloride	5.65	117	17254	7.279 ug/l	#	15
49) 1,4-Dioxane	7.66	88	23	0.446 ug/l	#	1
53) t-1,3-Dichloropropene	9.12	75	24	2.847 ug/l	#	43
76) 1,2,3-Trichloropropane	11.13	75	54049	27.639 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.13	75	54049	71.649 ug/l	#	10
83) tert-Butylbenzene	11.77	119	1461	0.242 ug/l		90

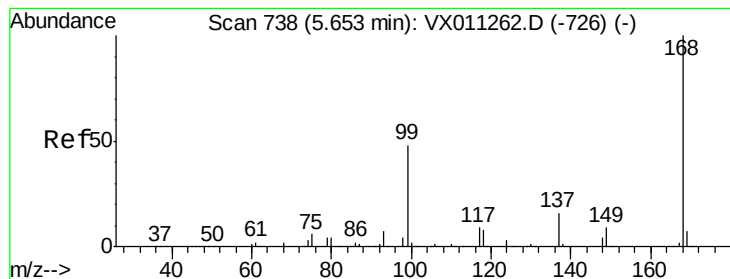
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011514.D

Acq: 13 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampleId :

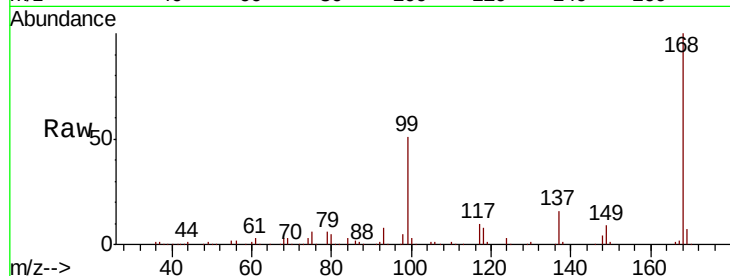
Z3-0709

Tgt Ion:168 Resp: 179073

Ion Ratio Lower Upper

168 100

99 51.3 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

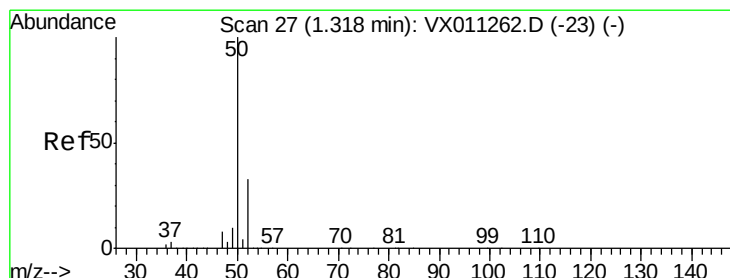
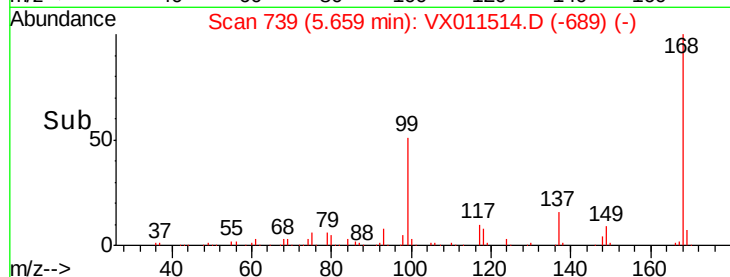
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.319 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011514.D

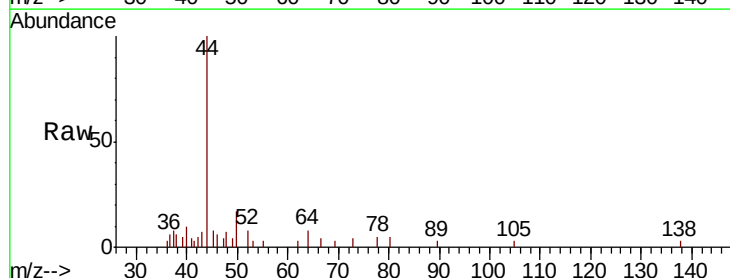
Acq: 13 Aug 2019 03:57

Tgt Ion: 50 Resp: 495

Ion Ratio Lower Upper

50 100

52 47.6 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

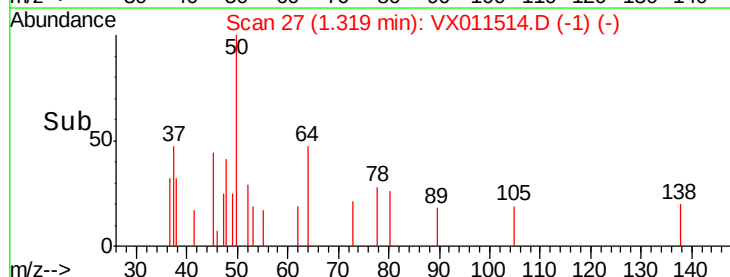
300

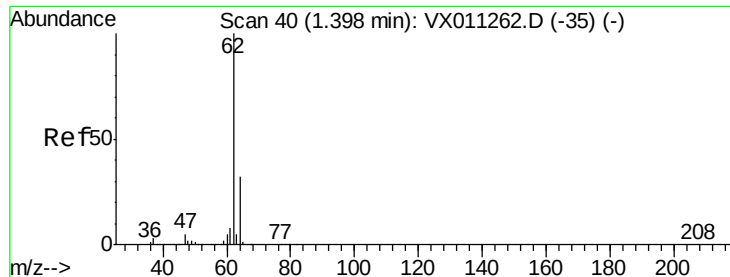
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 0.971 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011514.D

Acq: 13 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampleId :

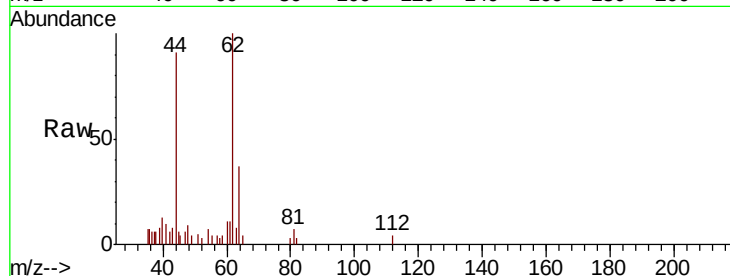
Z3-0709

Tgt Ion: 62 Resp: 1659

Ion Ratio Lower Upper

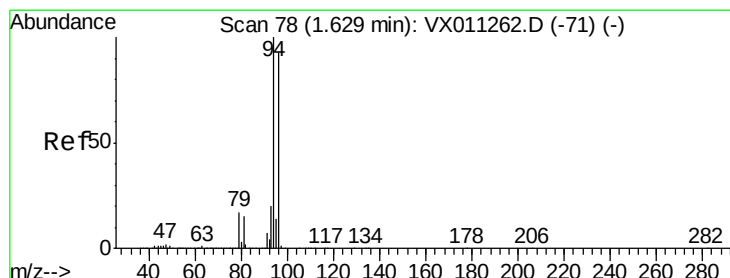
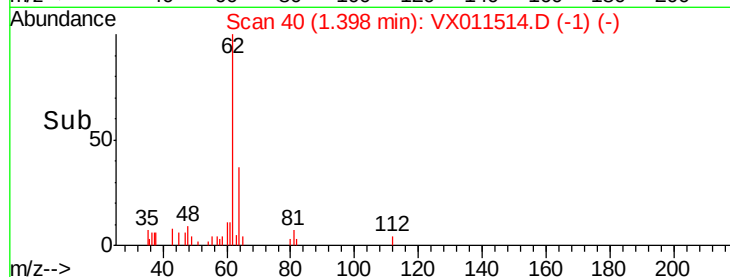
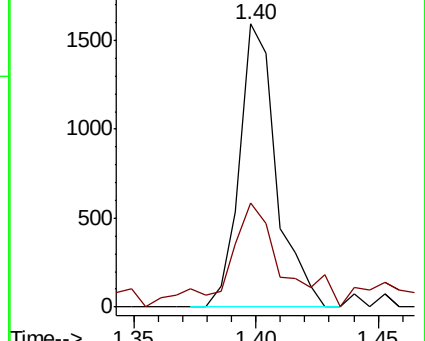
62 100

64 36.6 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.257 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011514.D

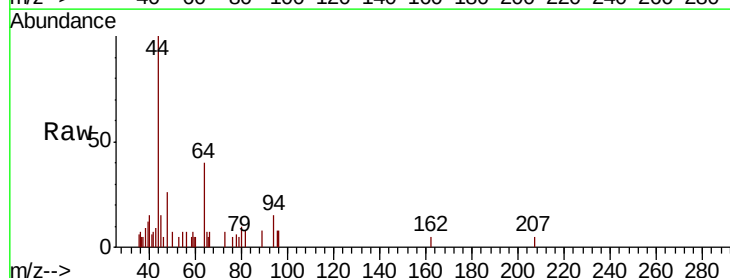
Acq: 13 Aug 2019 03:57

Tgt Ion: 94 Resp: 313

Ion Ratio Lower Upper

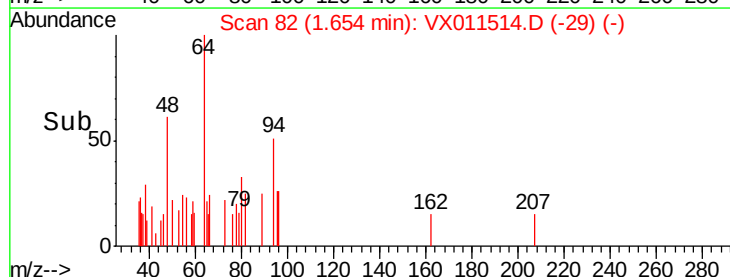
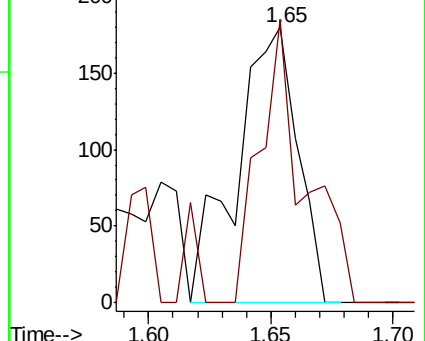
94 100

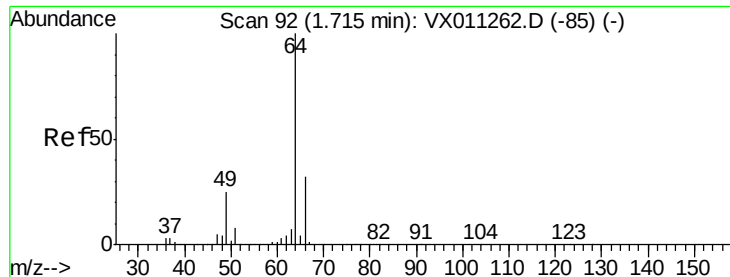
96 73.9 74.6 112.0#



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# 93

Delta R.T. 0.01 min

Lab File: VX011514.D

Acq: 13 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampled :

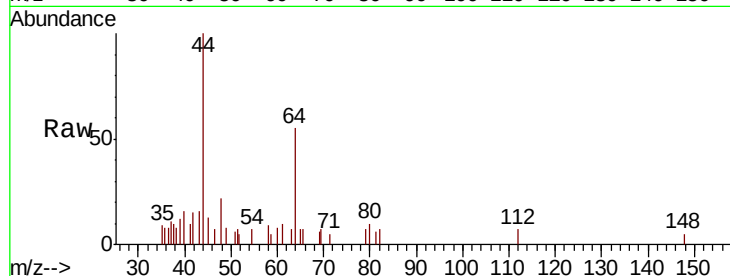
Z3-0709

Tgt Ion: 64 Resp: 228

Ion Ratio Lower Upper

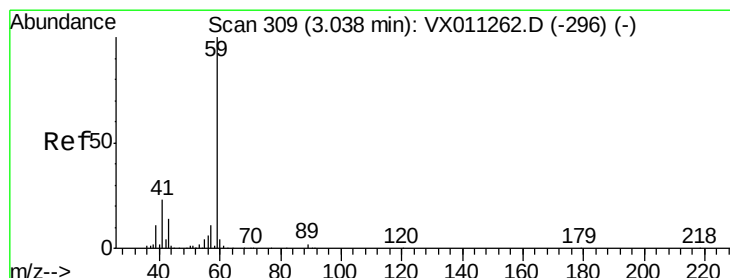
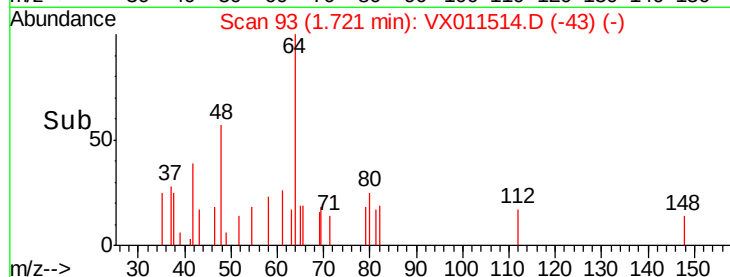
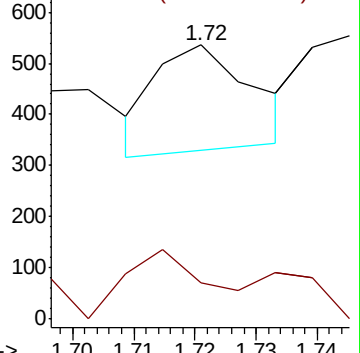
64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 4.483 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011514.D

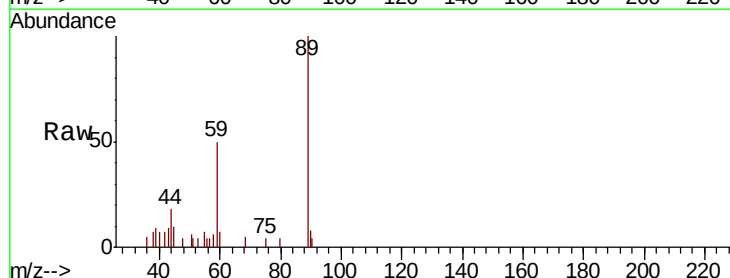
Acq: 13 Aug 2019 03:57

Tgt Ion: 59 Resp: 1604

Ion Ratio Lower Upper

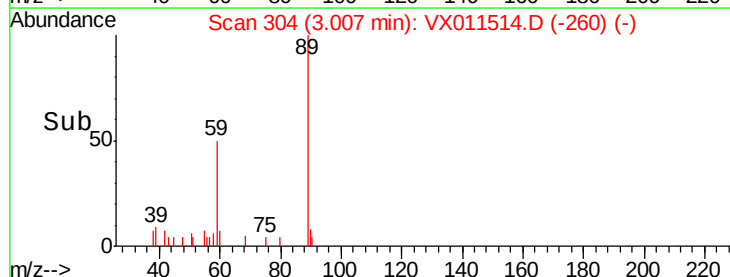
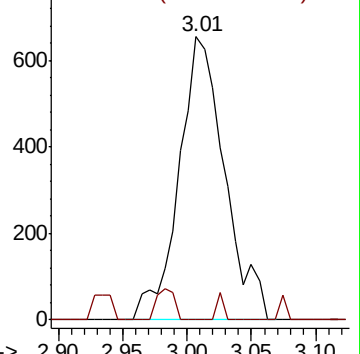
59 100

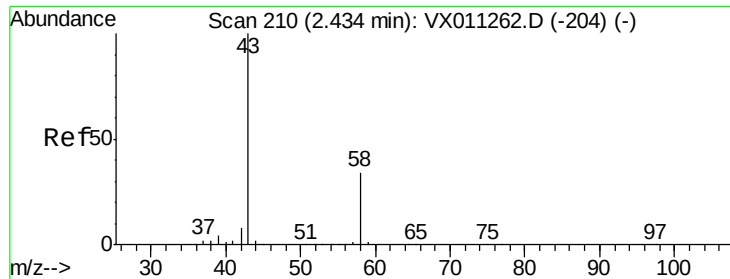
57 1.4 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.483 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011514.D

Acq: 13 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampled :

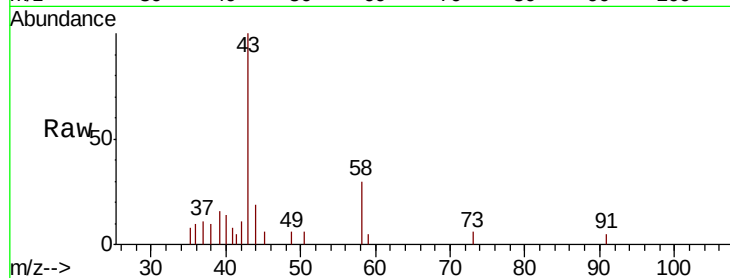
Z3-0709

Tgt Ion: 43 Resp: 2131

Ion Ratio Lower Upper

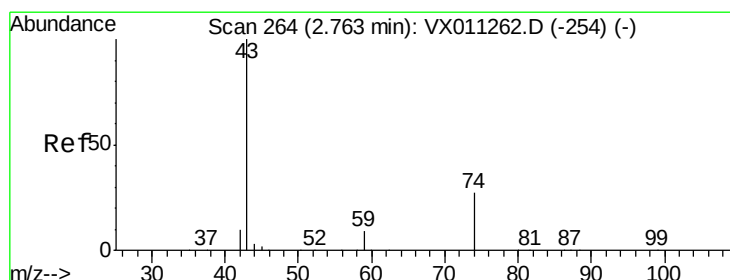
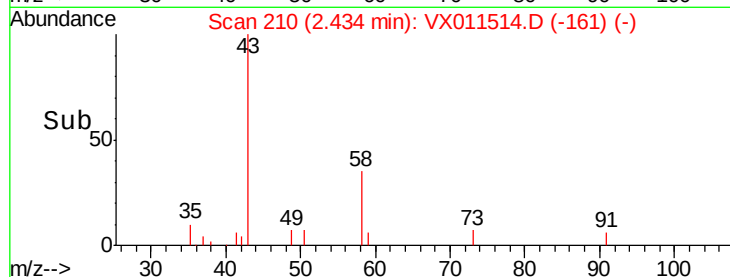
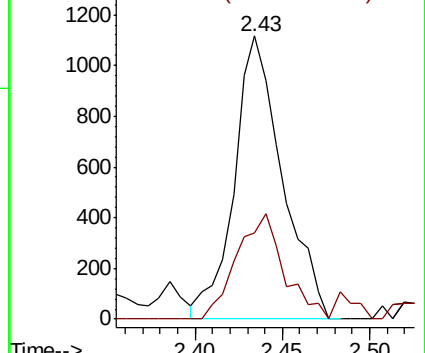
43 100

58 30.3 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.318 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011514.D

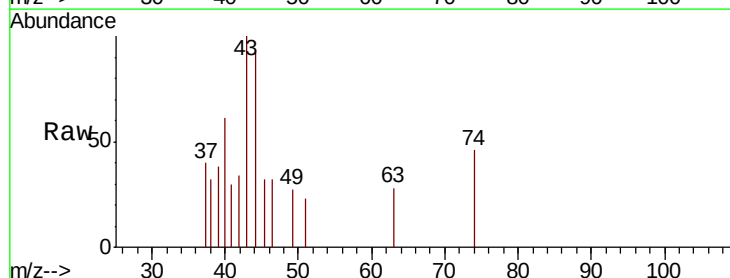
Acq: 13 Aug 2019 03:57

Tgt Ion: 43 Resp: 624

Ion Ratio Lower Upper

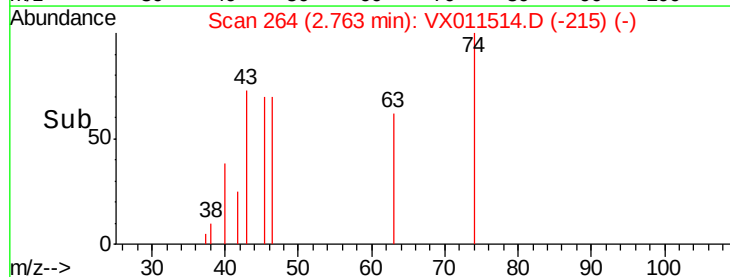
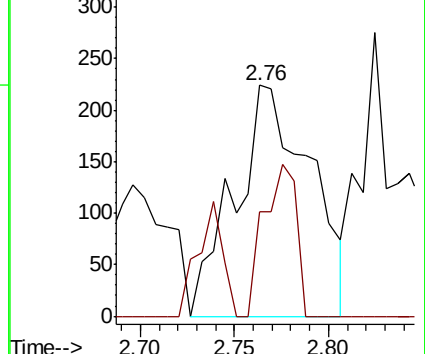
43 100

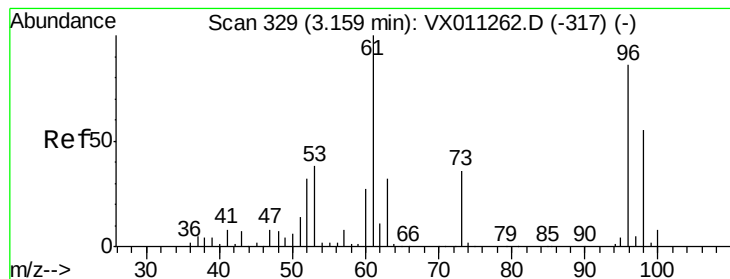
74 28.2 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 1.536 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011514.D

Acq: 13 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampleId :

Z3-0709

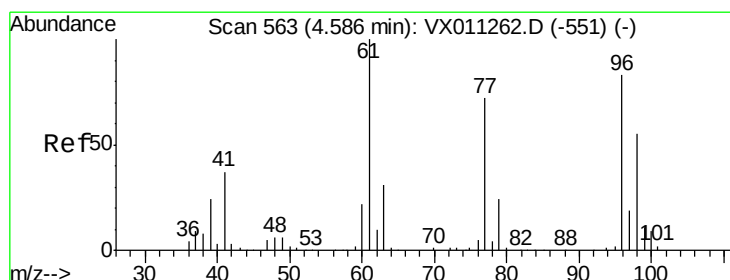
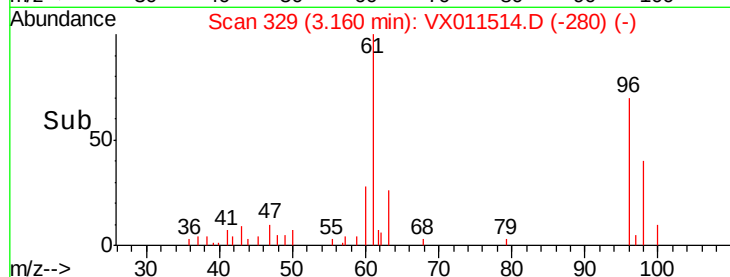
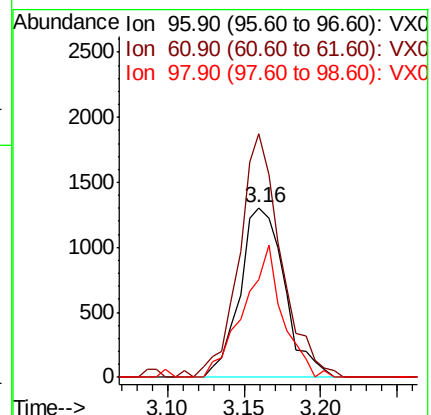
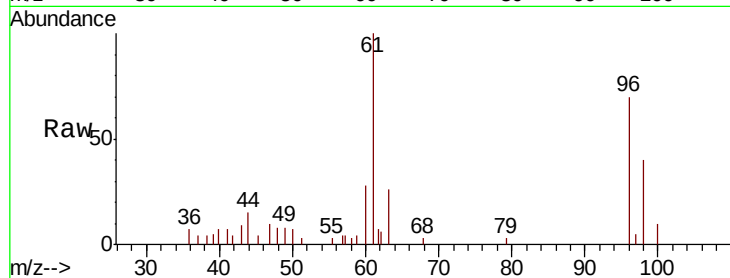
Tgt Ion: 96 Resp: 2648

Ion Ratio Lower Upper

96 100

61 143.7 92.8 139.2#

98 57.9 51.2 76.8



#27

cis-1,2-Dichloroethene

Concen: 21.015 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX011514.D

Acq: 13 Aug 2019 03:57

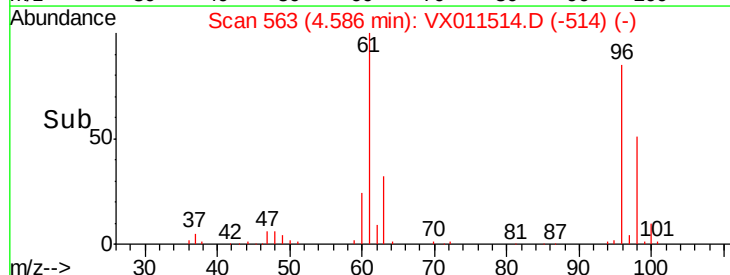
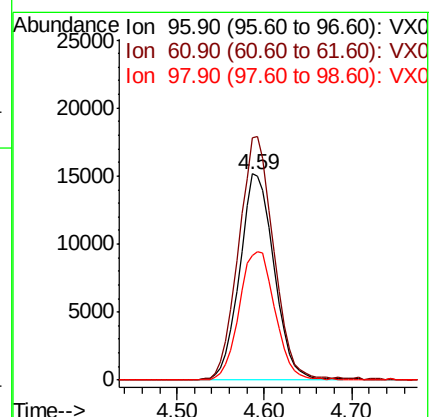
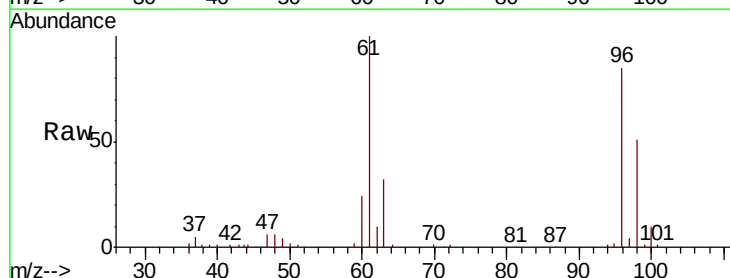
Tgt Ion: 96 Resp: 41719

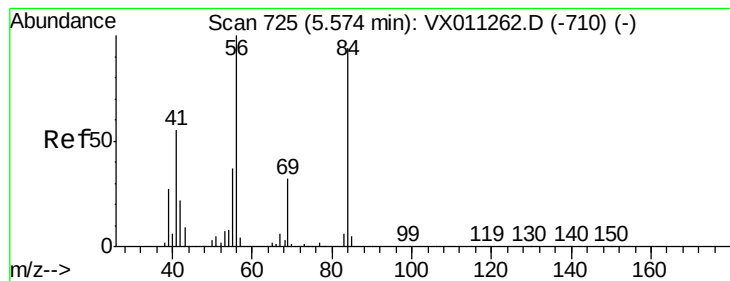
Ion Ratio Lower Upper

96 100

61 119.7 0.0 260.2

98 64.3 0.0 133.2





#31

Cyclohexane

Concen: 1.494 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011514.D

Acq: 13 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampled :

Z3-0709

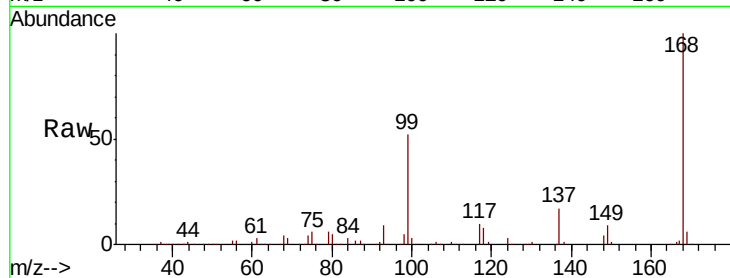
Tgt Ion: 56 Resp: 3470

Ion Ratio Lower Upper

56 100

69 163.6 25.5 38.3#

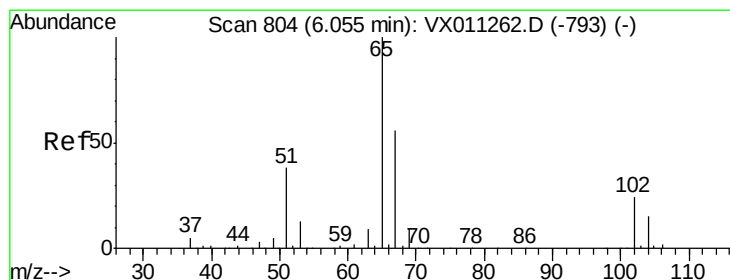
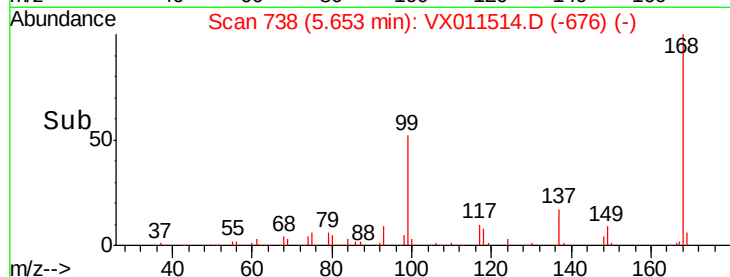
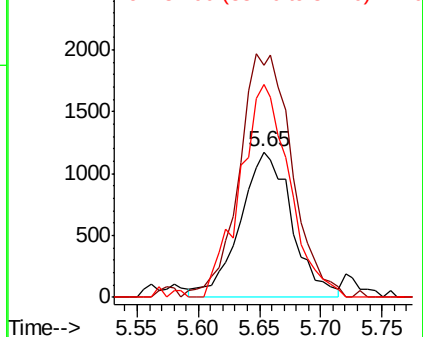
84 155.1 75.0 112.4#



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: 56.161 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011514.D

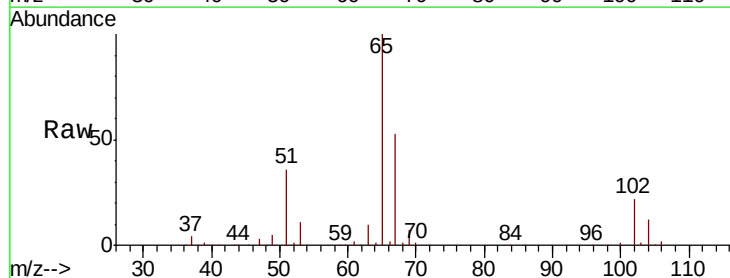
Acq: 13 Aug 2019 03:57

Tgt Ion: 65 Resp: 101279

Ion Ratio Lower Upper

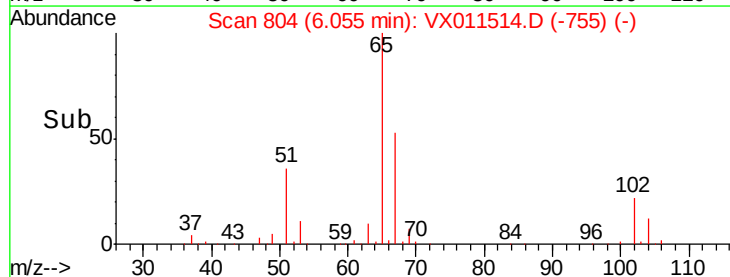
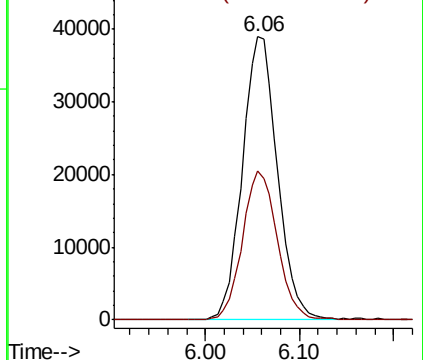
65 100

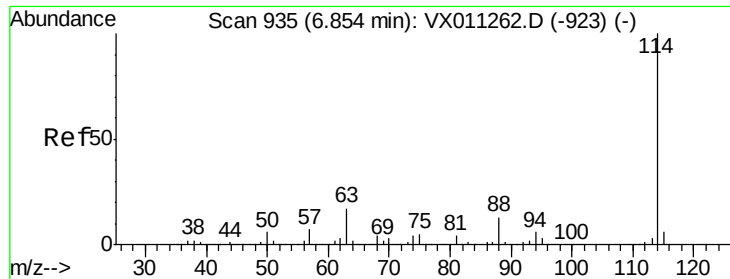
67 52.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

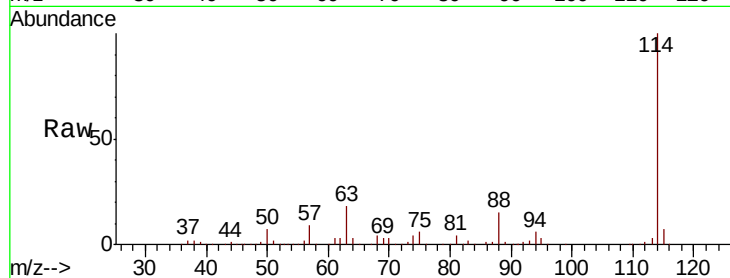




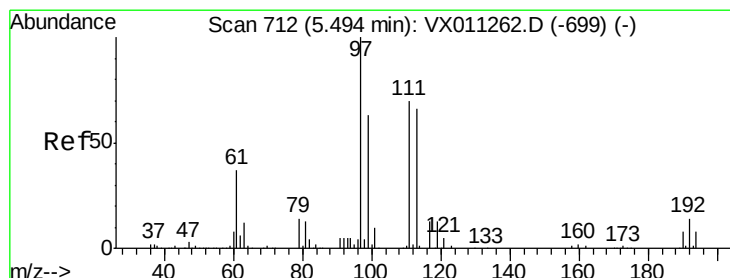
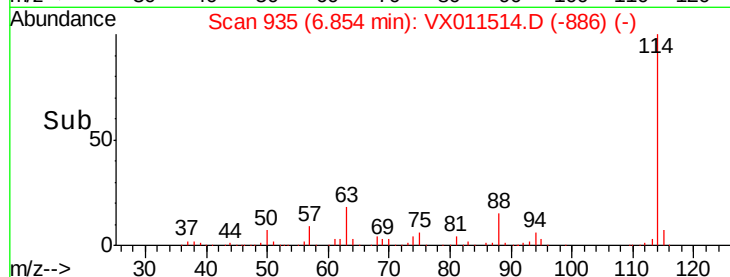
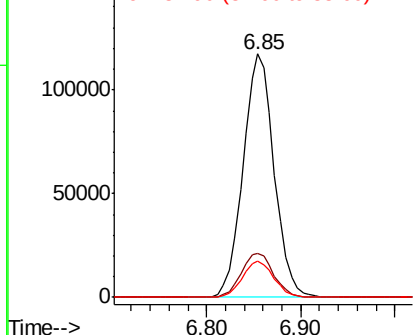
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011514.D
 Acq: 13 Aug 2019 03:57

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0709

Tgt Ion:114 Resp: 269847
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.0
 88 14.8 0.0 26.4

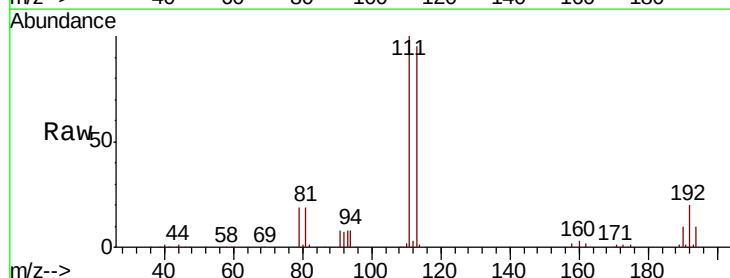


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

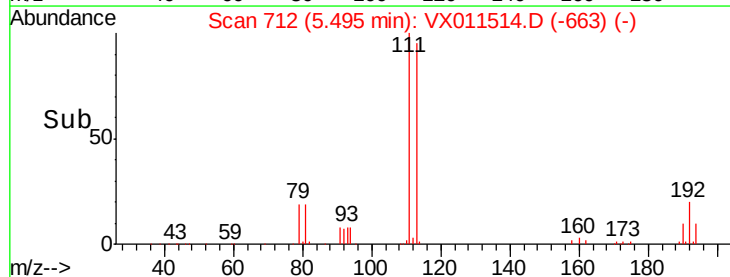
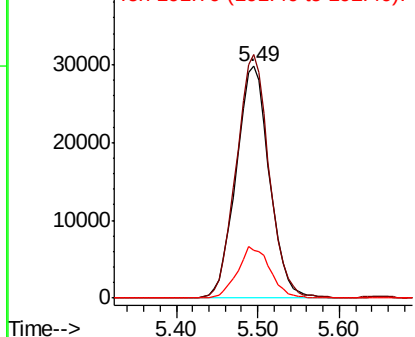


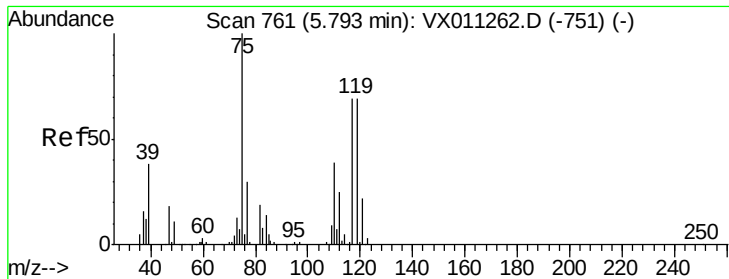
#35
 Dibromofluoromethane
 Concen: 47.947 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011514.D
 Acq: 13 Aug 2019 03:57

Tgt Ion:113 Resp: 84472
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.9 122.9
 192 21.6 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

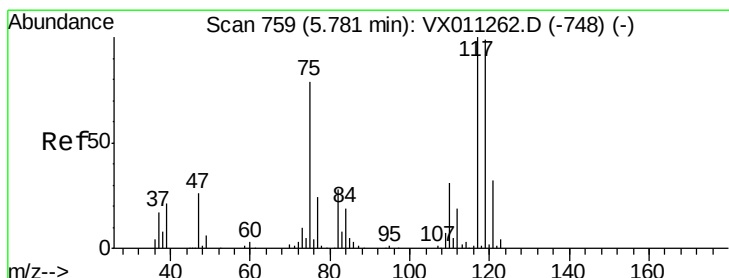
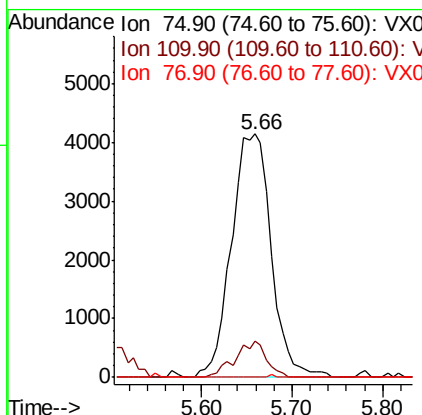
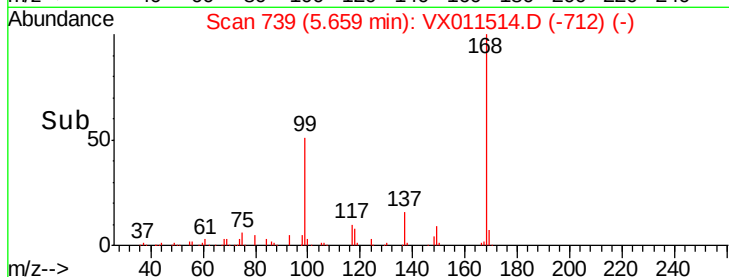
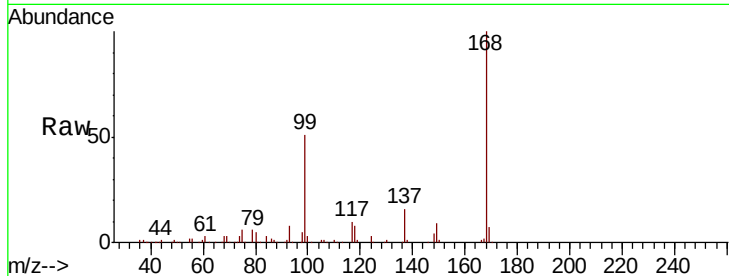




#36
 1,1-Dichloropropene
 Concen: 5.331 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011514.D
 Acq: 13 Aug 2019 03:57

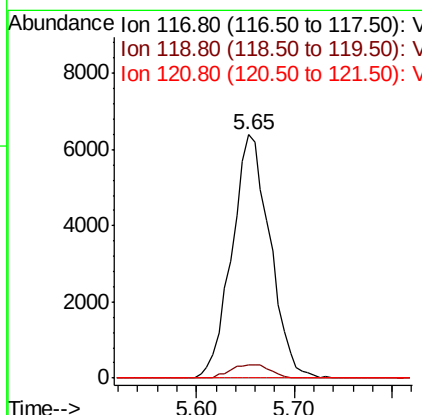
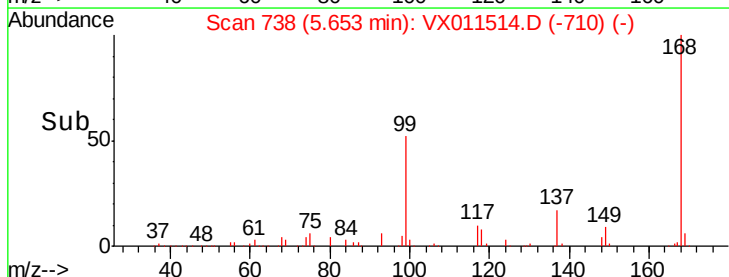
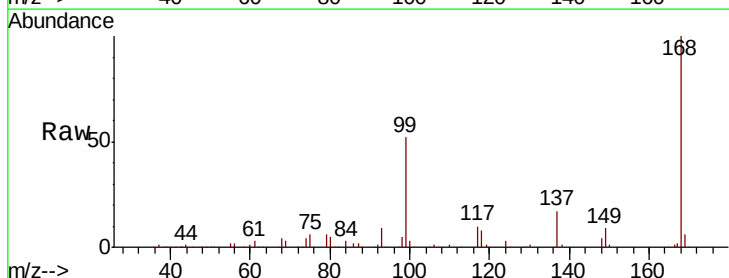
Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0709

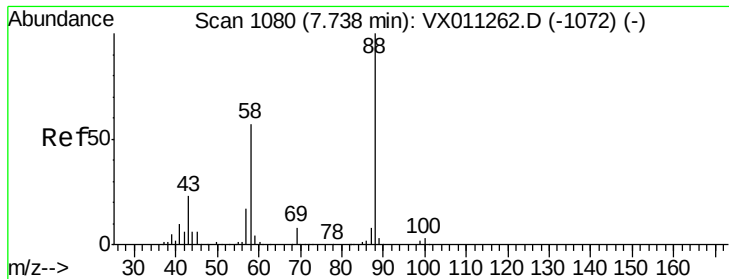
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	20.0	59.9#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.279 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011514.D
 Acq: 13 Aug 2019 03:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	79.0	118.4#
121	0.0	25.9	38.9#

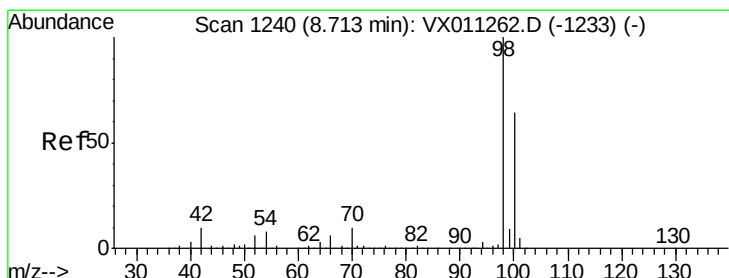
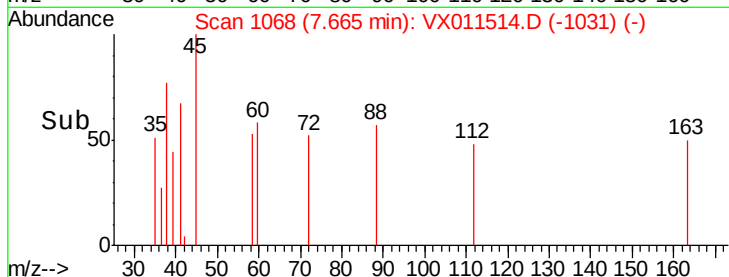
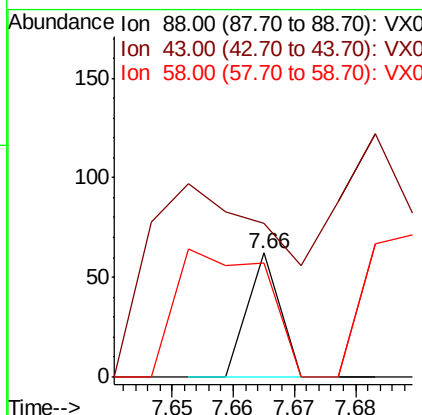
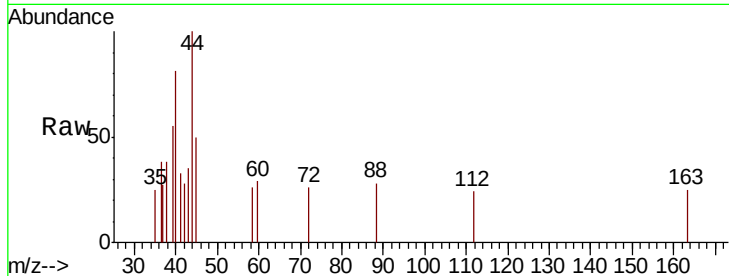




#49
1,4-Dioxane
Concen: 0.446 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. -0.07 min
Lab File: VX011514.D
Acq: 13 Aug 2019 03:57

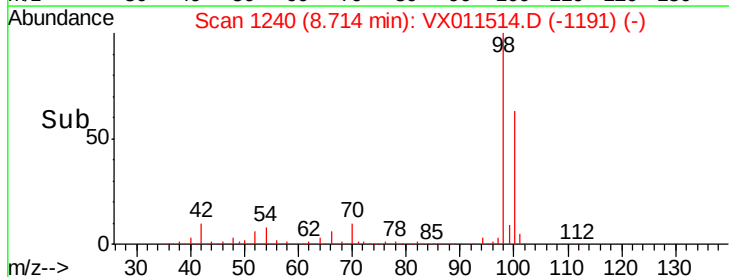
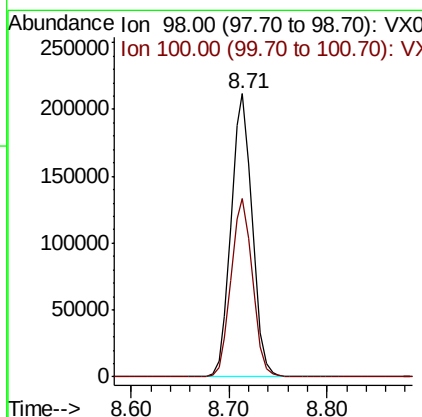
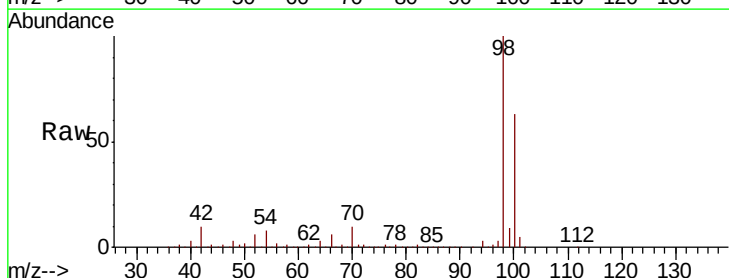
Instrument :
MSVOA_X
ClientSampleID :
Z3-0709

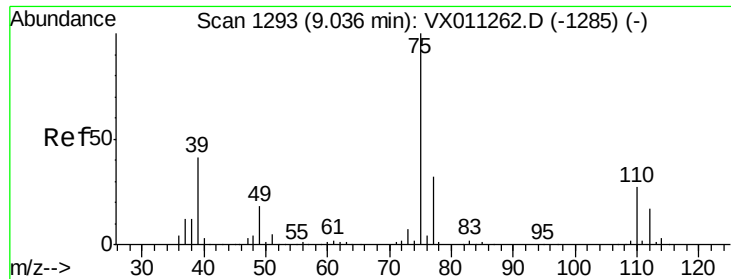
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 621.7 22.2 33.2#
58 282.6 47.8 71.8#



#50
Toluene-d8
Concen: 47.755 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011514.D
Acq: 13 Aug 2019 03:57

Tgt Ion: 98 Resp: 317578
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 2.847 ug/l

RT: 9.12 min Scan# 1307

Delta R.T. 0.09 min

Lab File: VX011514.D

Acq: 13 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampleId :

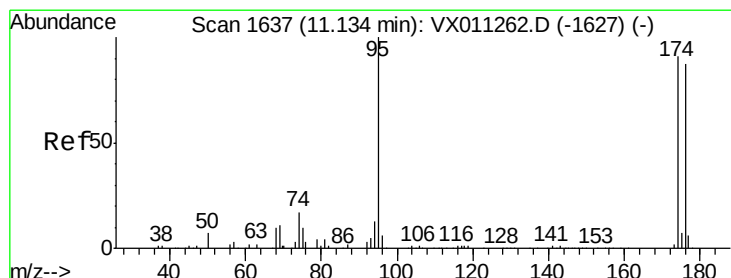
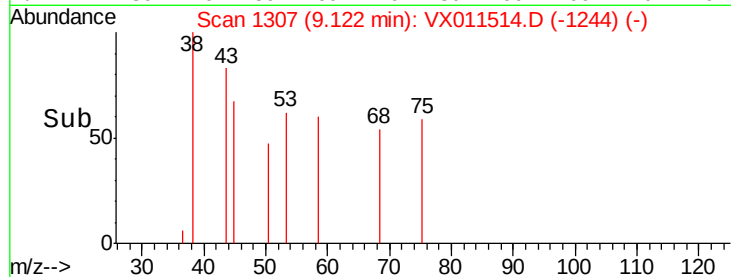
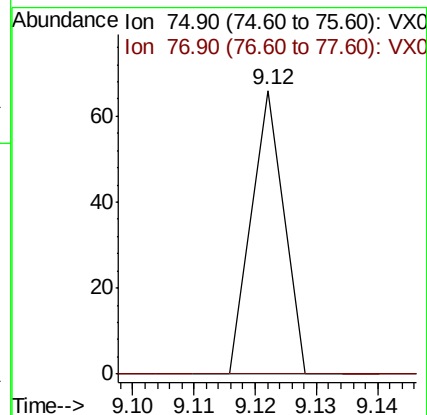
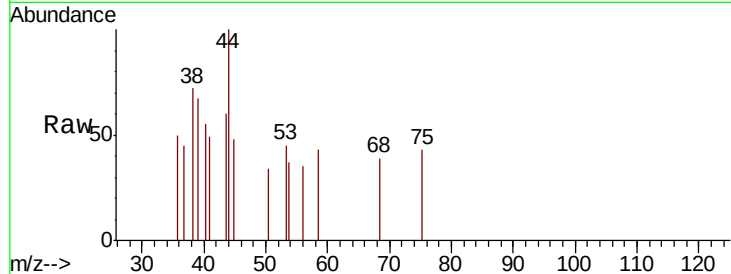
Z3-0709

Tgt Ion: 75 Resp: 24

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#62

4-Bromofluorobenzene

Concen: 43.763 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011514.D

Acq: 13 Aug 2019 03:57

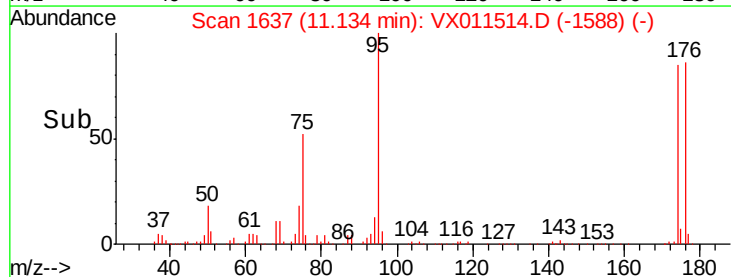
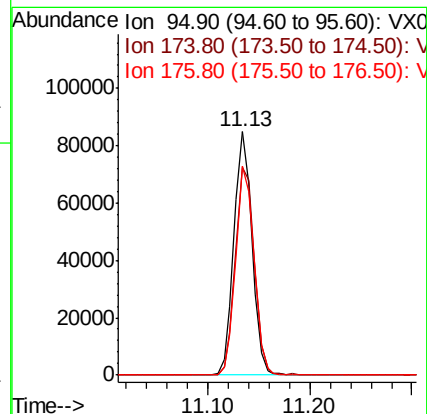
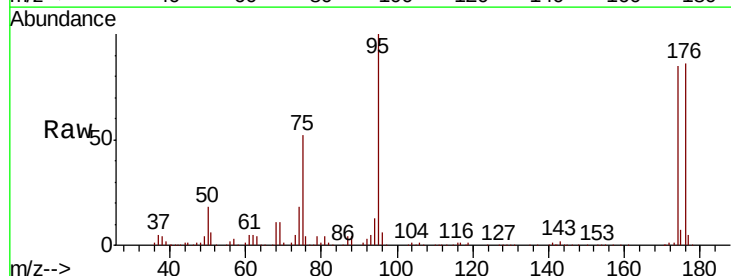
Tgt Ion: 95 Resp: 103907

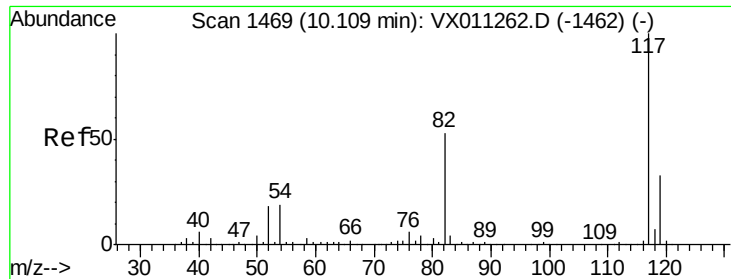
Ion Ratio Lower Upper

95 100

174 89.4 0.0 191.2

176 87.0 0.0 184.8

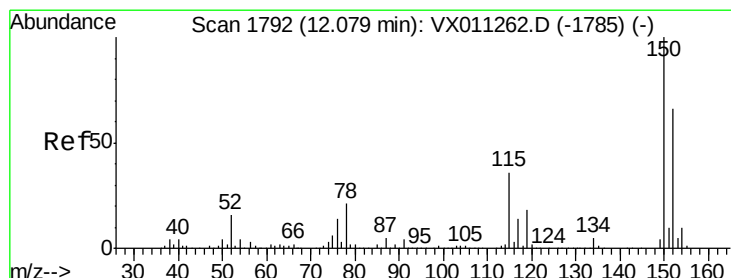
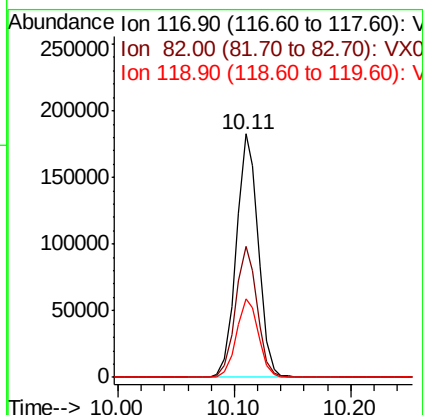
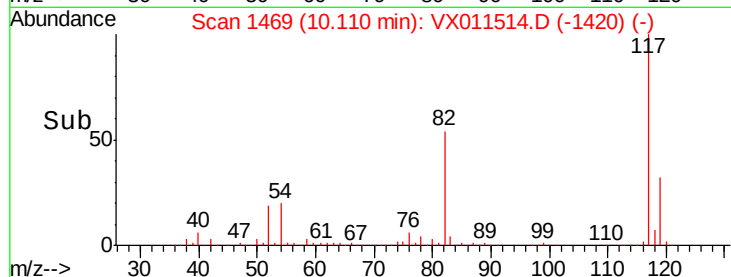
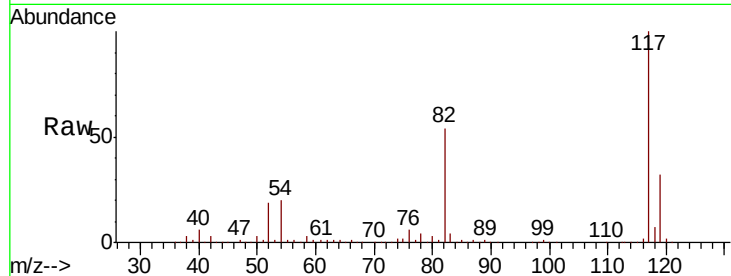




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011514.D
Acq: 13 Aug 2019 03:57

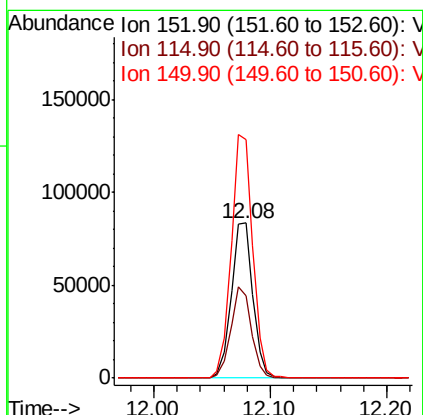
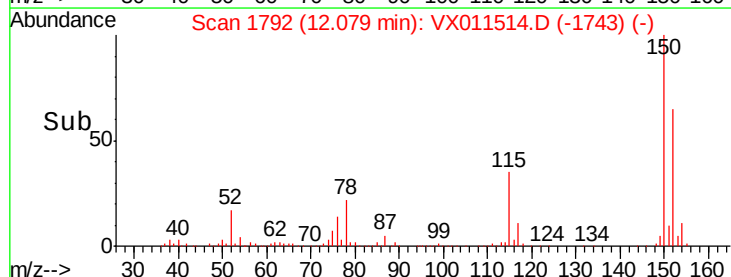
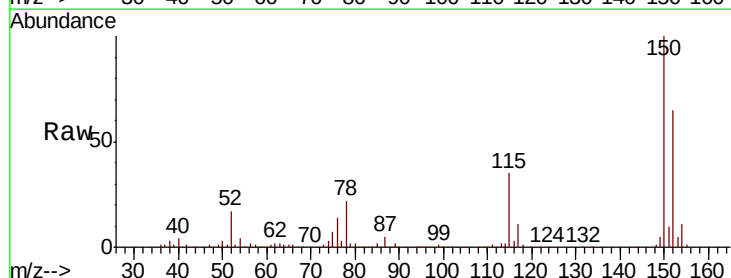
Instrument :
MSVOA_X
ClientSampleId :
Z3-0709

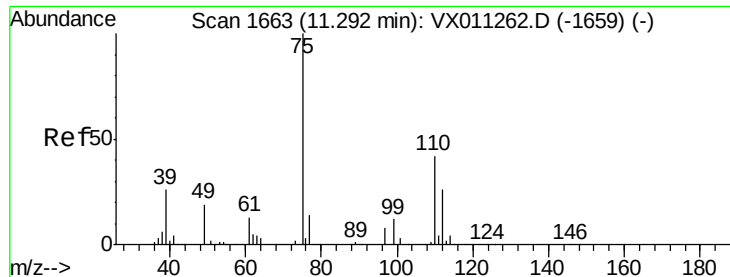
Tgt Ion:117 Resp: 239426
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011514.D
Acq: 13 Aug 2019 03:57

Tgt Ion:152 Resp: 107379
Ion Ratio Lower Upper
152 100
115 55.9 40.0 119.9
150 155.9 0.0 350.4

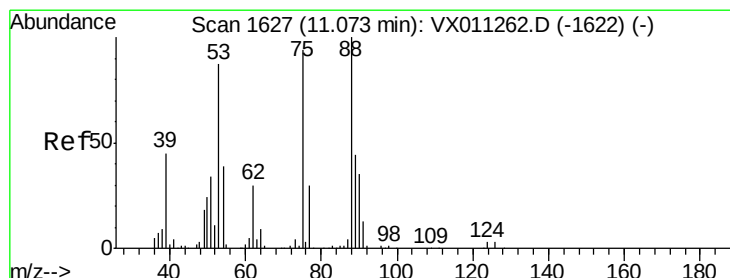
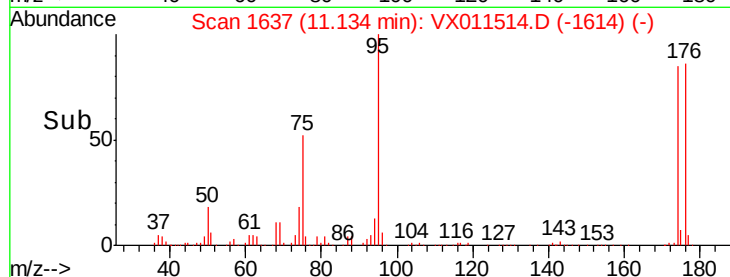
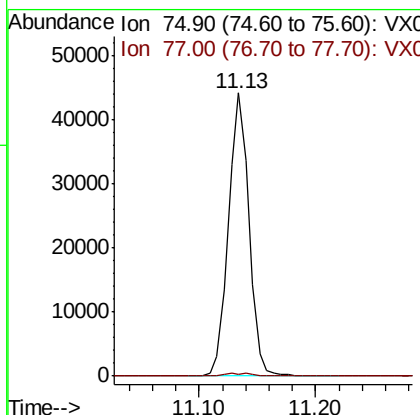
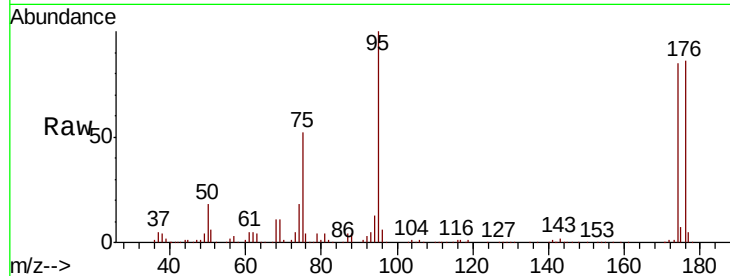




#76
 1,2,3-Trichloropropane
 Concen: 27.639 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011514.D
 Acq: 13 Aug 2019 03:57

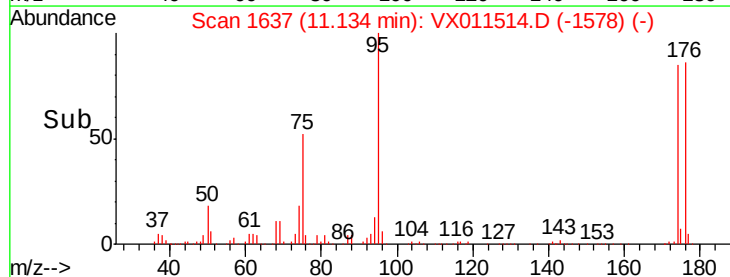
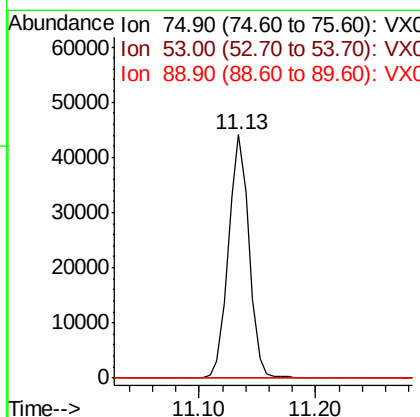
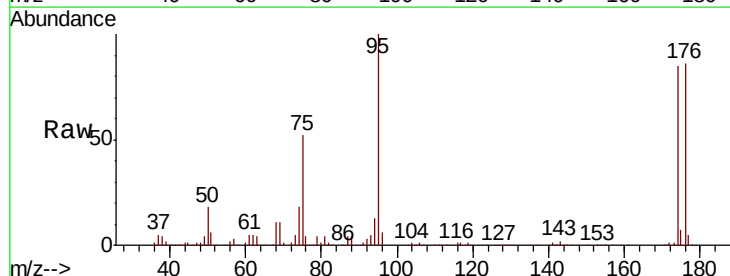
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0709

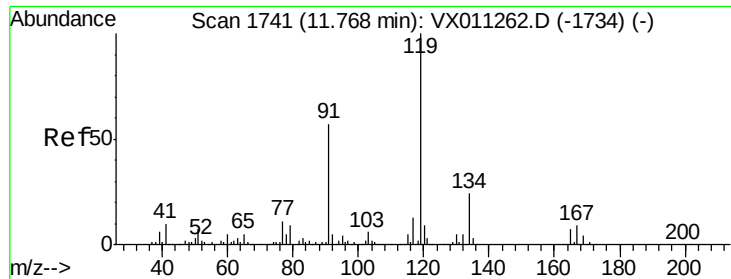
Tgt Ion: 75 Resp: 54049
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.649 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011514.D
 Acq: 13 Aug 2019 03:57

Tgt Ion: 75 Resp: 54049
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 37.9 56.9#

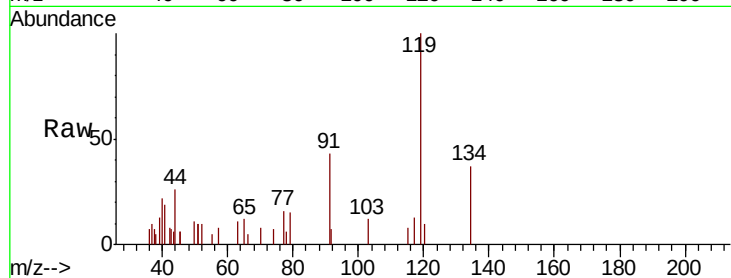




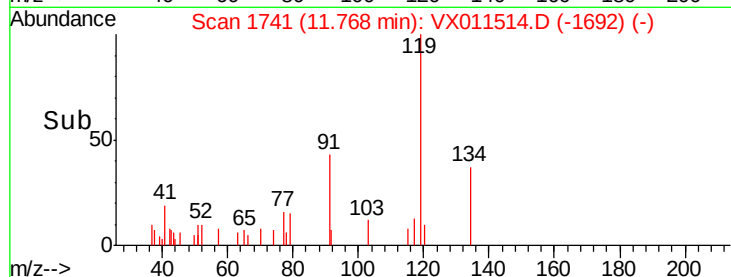
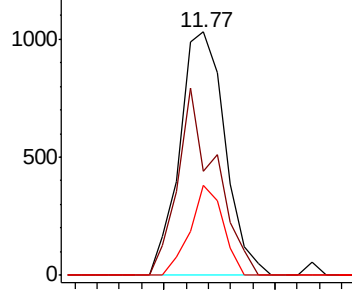
#83
 tert-Butylbenzene
 Concen: 0.242 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011514.D
 Acq: 13 Aug 2019 03:57

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0709

Tgt Ion:	119	Resp:	1461
Ion	Ratio	Lower	Upper
119	100		
91	64.0	28.0	84.0
134	26.9	11.9	35.5



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V



Time-->