

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011518.D
 Acq On : 13 Aug 2019 05:30
 Operator : JC/SP
 Sample : K4278-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0710

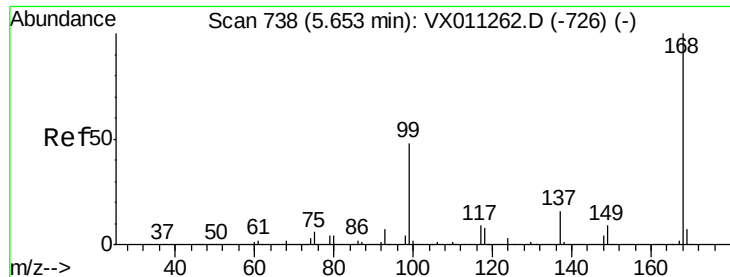
Quant Time: Aug 13 07:49:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	184396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	276837	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110242	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	103835	55.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.84%	
35) Dibromofluoromethane	5.49	113	86948	48.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.22%	
50) Toluene-d8	8.71	98	323019	47.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.70%	
62) 4-Bromofluorobenzene	11.13	95	106182	43.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1200	0.843	ug/l	99
3) Chloromethane	1.32	50	333	0.208	ug/l #	81
4) Vinyl Chloride	1.40	62	3043	1.730	ug/l	89
6) Chloroethane	1.88	64	518	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	1053	2.866	ug/l #	84
13) Acrolein	2.29	56	64	Below Cal	#	62
16) Acetone	2.43	43	850	0.962	ug/l #	76
21) trans-1,2-Dichloroethene	3.16	96	2229	1.256	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	2255	1.103	ug/l	92
29) Tetrahydrofuran	5.15	42	779	1.010	ug/l #	74
31) Cyclohexane	5.65	56	4000	1.673	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12675	5.244	ug/l #	49
38) Carbon Tetrachloride	5.66	117	17442	7.173	ug/l #	16
49) 1,4-Dioxane	7.60	88	20	0.378	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	22	2.846	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	54642	27.217	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	54642	70.623	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA_X

ClientSampleId :

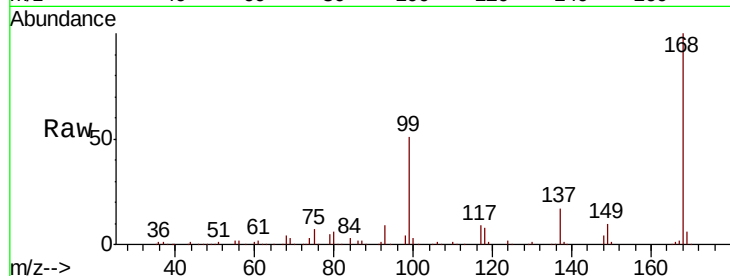
Z3-0710

Tgt Ion:168 Resp: 184396

Ion Ratio Lower Upper

168 100

99 51.3 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): VX011262.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX011262.D (-726) (-)

5.66

60000

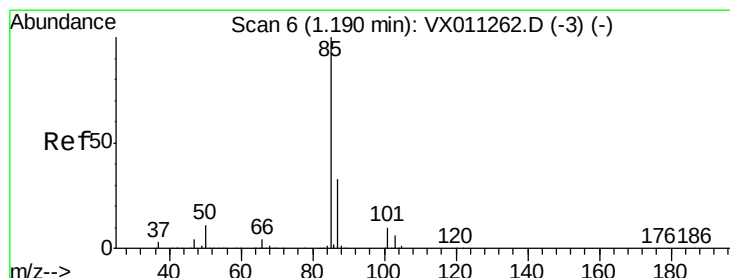
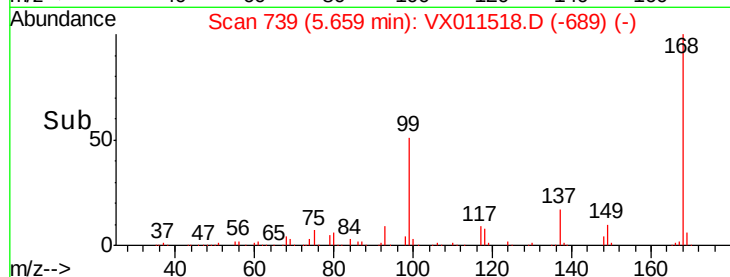
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.843 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011518.D

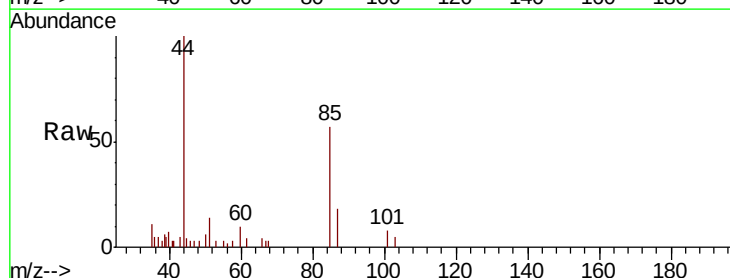
Acq: 13 Aug 2019 05:30

Tgt Ion: 85 Resp: 1200

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX011262.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX011262.D (-3) (-)

1.19

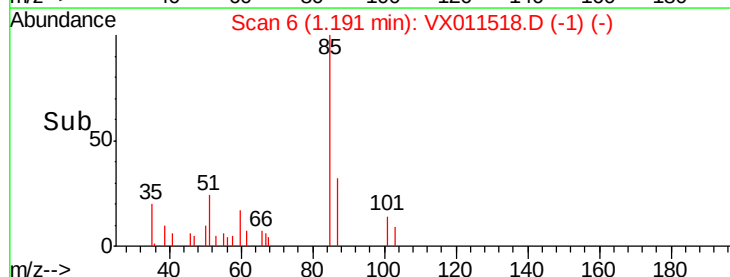
1000

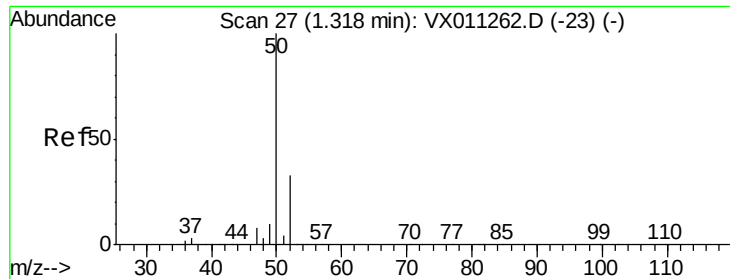
500

0

1.16 1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: 0.208 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA_X

ClientSampled :

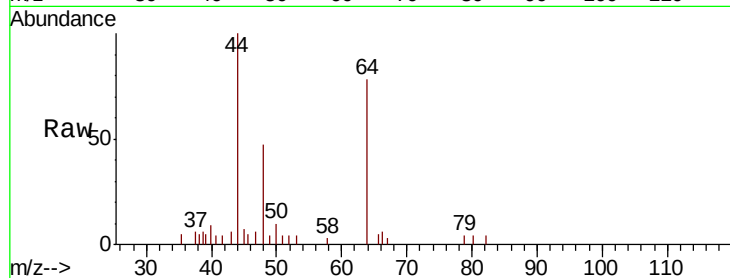
Z3-0710

Tgt Ion: 50 Resp: 333

Ion Ratio Lower Upper

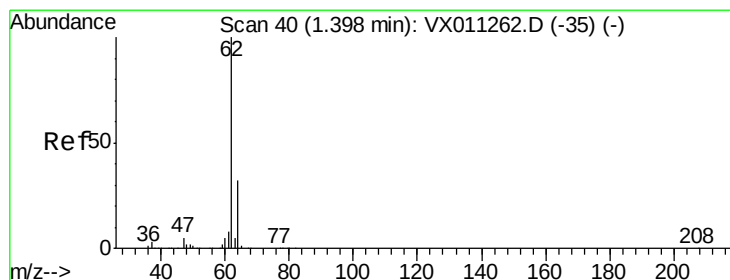
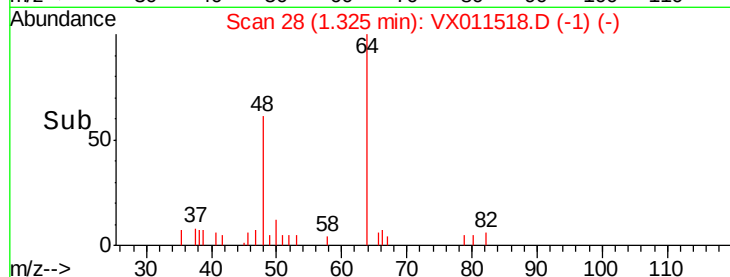
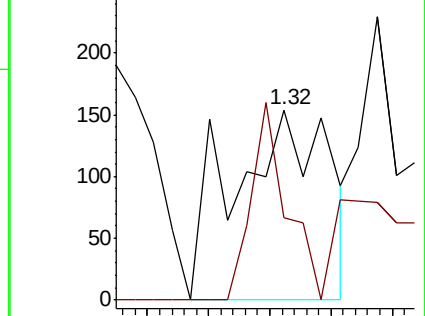
50 100

52 43.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.730 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011518.D

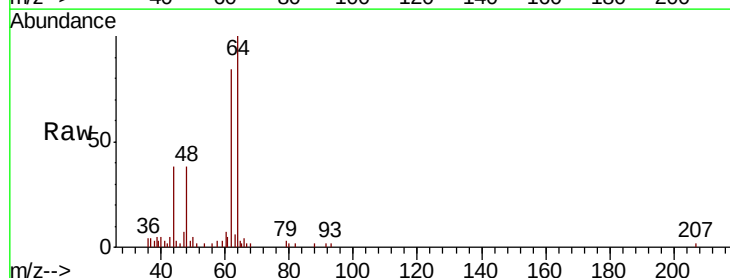
Acq: 13 Aug 2019 05:30

Tgt Ion: 62 Resp: 3043

Ion Ratio Lower Upper

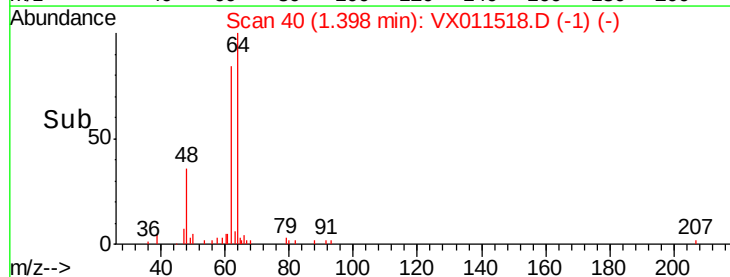
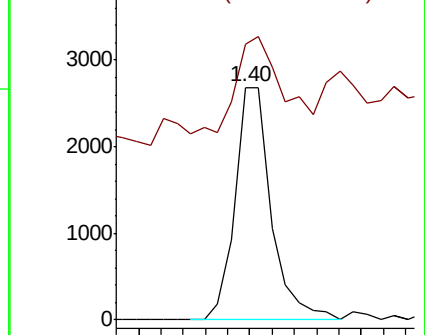
62 100

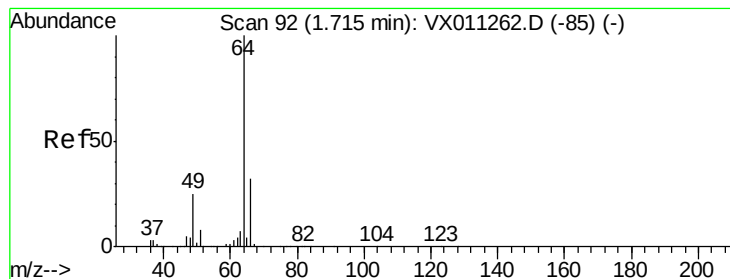
64 38.8 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.88 min Scan# 119

Delta R.T. 0.17 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA_X

ClientSampleId :

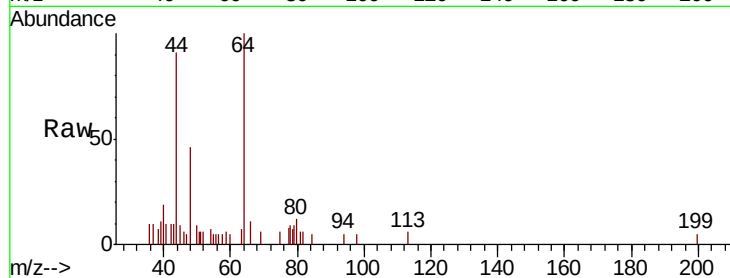
Z3-0710

Tgt Ion: 64 Resp: 518

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

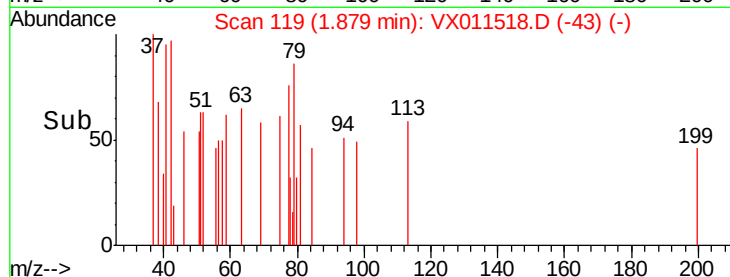


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.88

Time-->



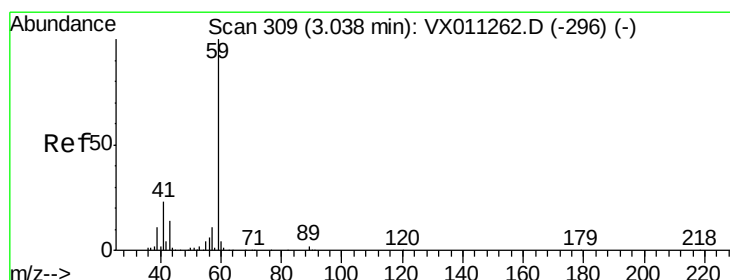
Abundance

Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.88

Time-->



#11

Tert butyl alcohol

Concen: 2.866 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011518.D

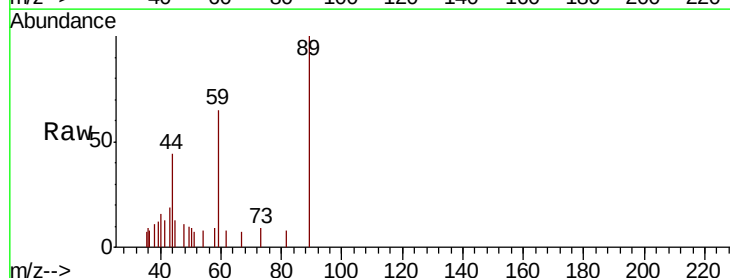
Acq: 13 Aug 2019 05:30

Tgt Ion: 59 Resp: 1053

Ion Ratio Lower Upper

59 100

57 4.6 8.3 12.5#

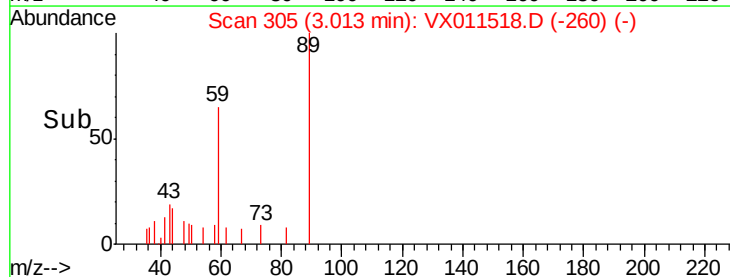


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

Time-->



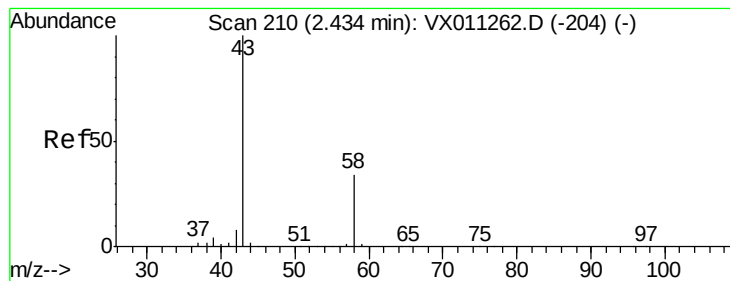
Abundance

Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

Time-->



#16

Acetone

Concen: 0.962 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA_X

ClientSampleId :

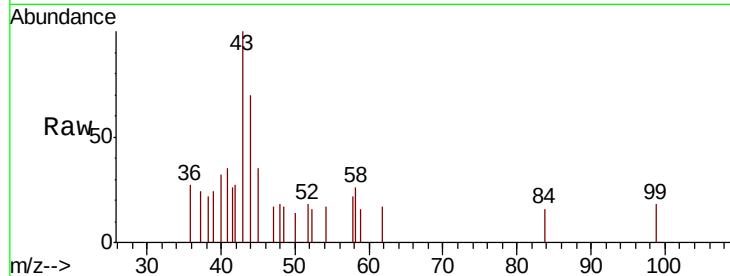
Z3-0710

Tgt Ion: 43 Resp: 850

Ion Ratio Lower Upper

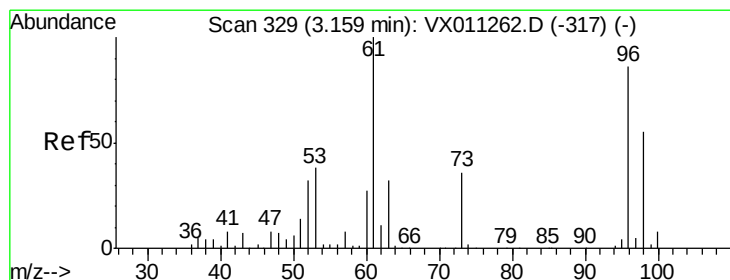
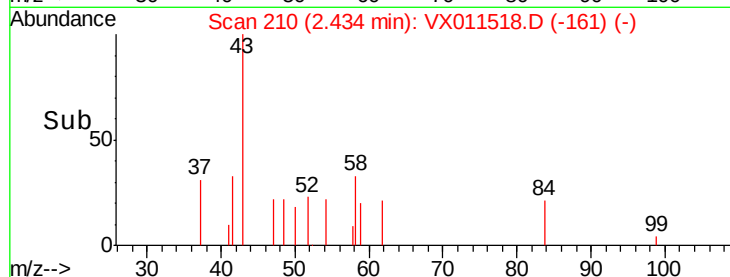
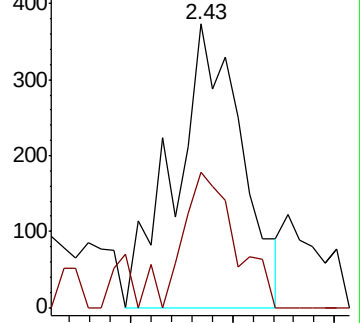
43 100

58 47.7 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 1.256 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

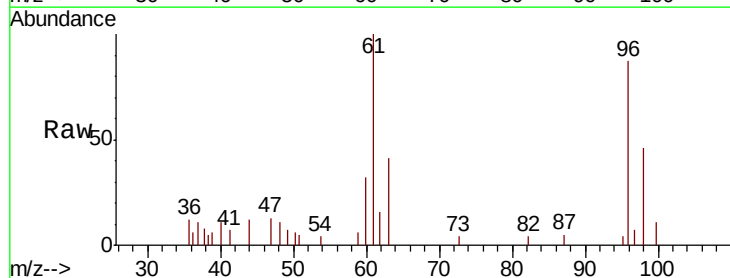
Tgt Ion: 96 Resp: 2229

Ion Ratio Lower Upper

96 100

61 114.7 92.8 139.2

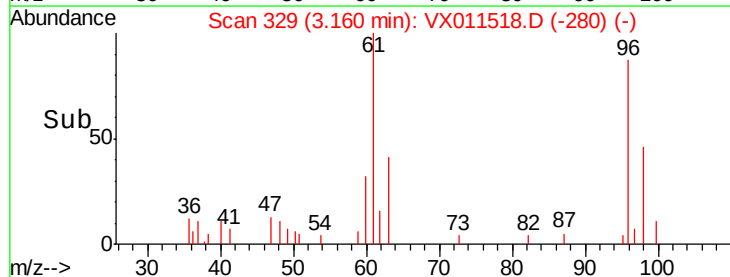
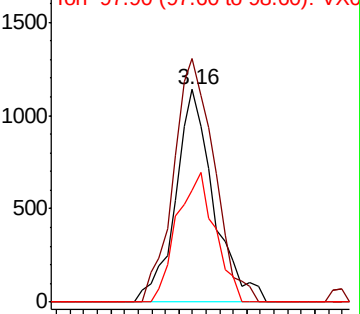
98 52.4 51.2 76.8

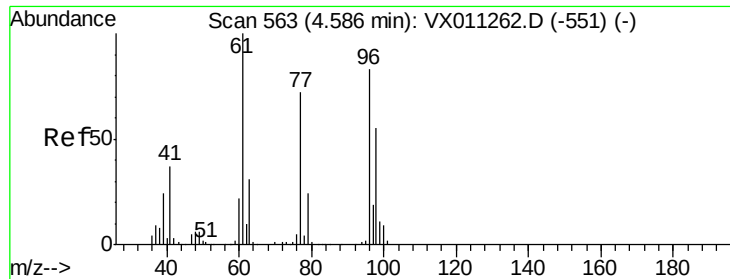


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



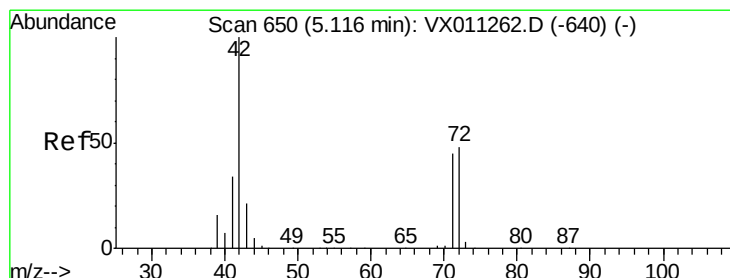
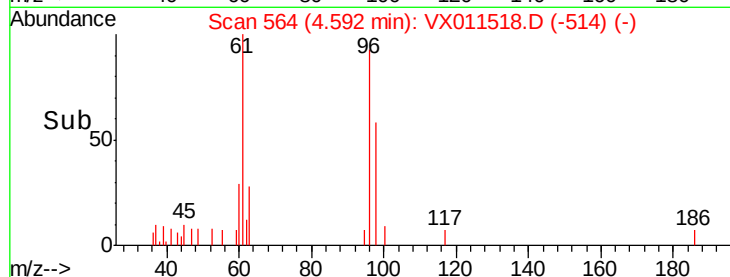
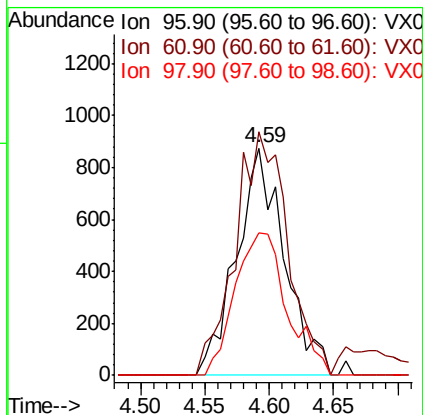
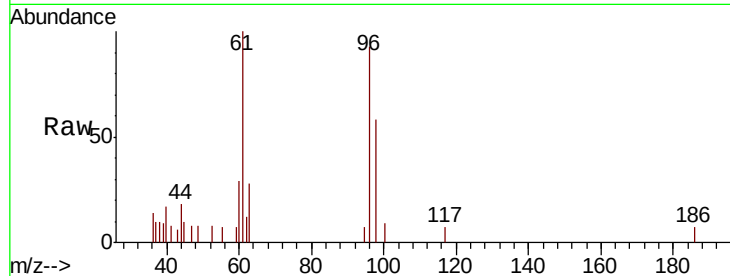


#27

cis-1,2-Dichloroethene
 Concen: 1.103 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VX011518.D
 Acq: 13 Aug 2019 05:30

Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0710

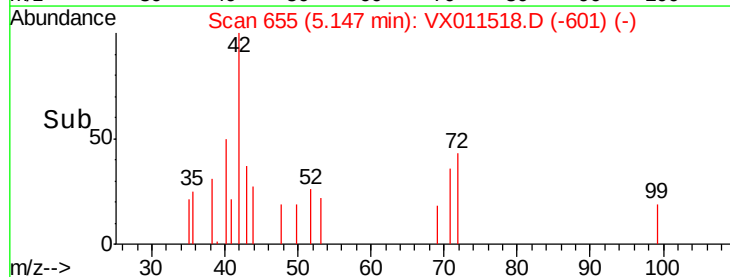
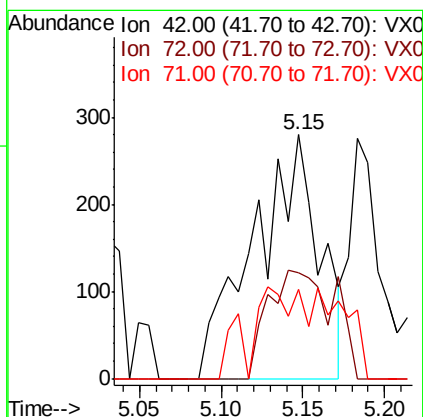
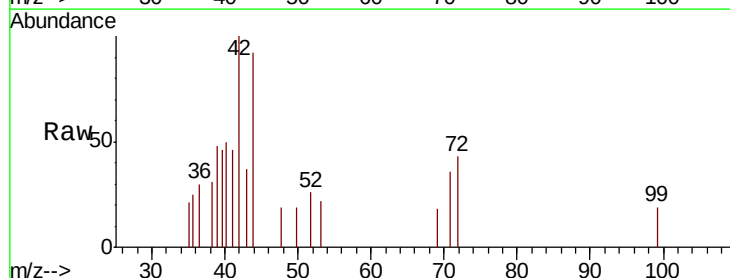
Tgt Ion: 96 Resp: 2255
 Ion Ratio Lower Upper
 96 100
 61 117.5 0.0 260.2
 98 68.1 0.0 133.2

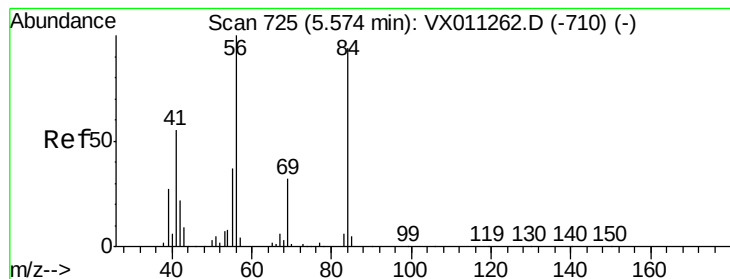


#29

Tetrahydrofuran
 Concen: 1.010 ug/l
 RT: 5.15 min Scan# 655
 Delta R.T. 0.03 min
 Lab File: VX011518.D
 Acq: 13 Aug 2019 05:30

Tgt Ion: 42 Resp: 779
 Ion Ratio Lower Upper
 42 100
 72 44.4 39.9 59.9
 71 16.6 36.9 55.3#





#31

Cyclohexane

Concen: 1.673 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-0710

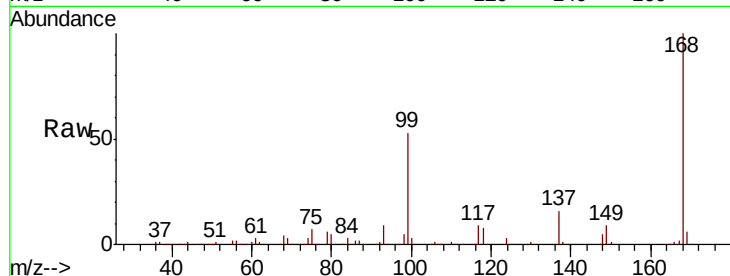
Tgt Ion: 56 Resp: 4000

Ion Ratio Lower Upper

56 100

69 173.2 25.5 38.3#

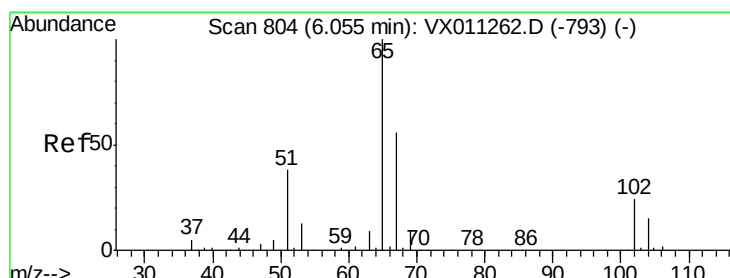
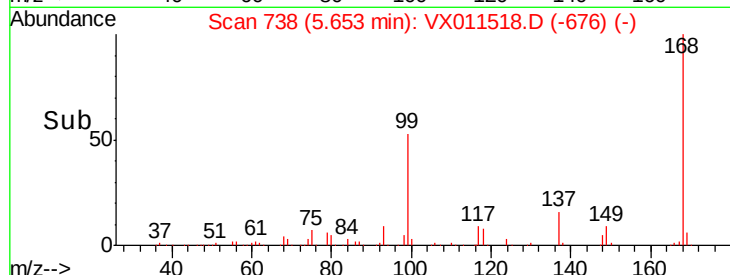
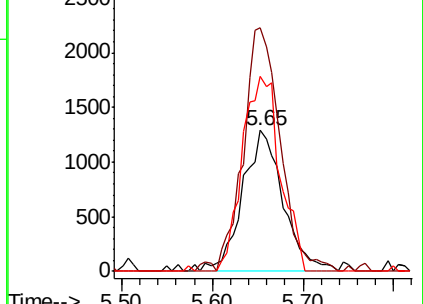
84 138.8 75.0 112.4#



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: 55.916 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011518.D

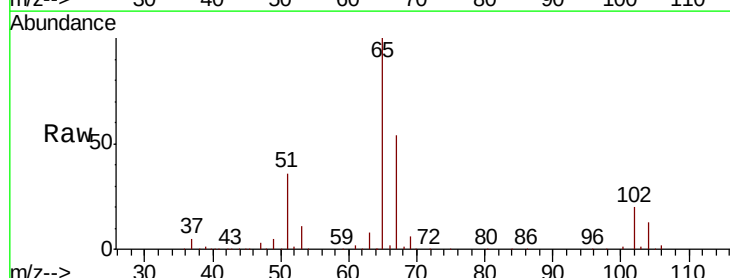
Acq: 13 Aug 2019 05:30

Tgt Ion: 65 Resp: 103835

Ion Ratio Lower Upper

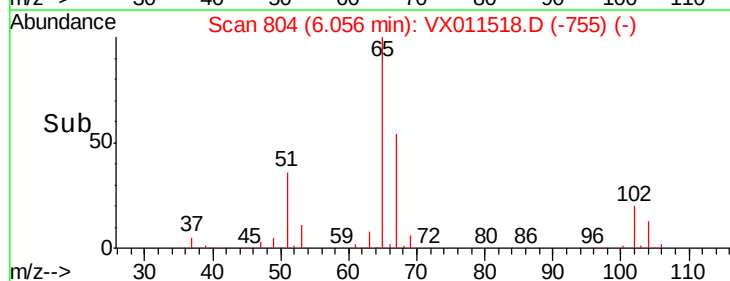
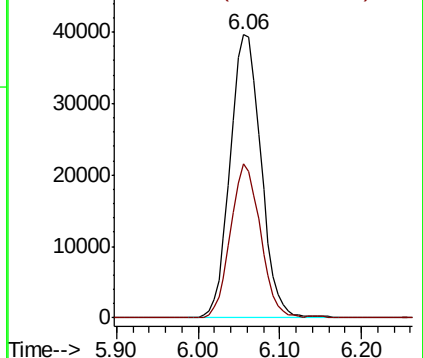
65 100

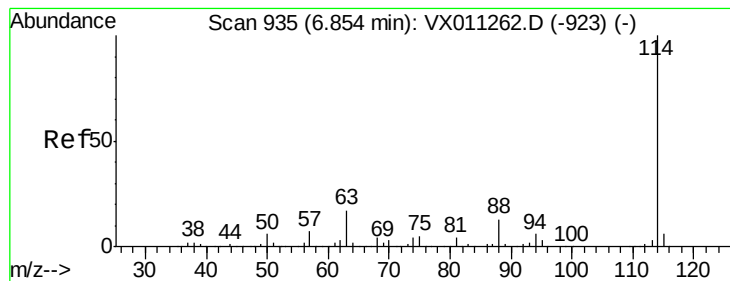
67 52.6 0.0 110.6



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: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-0710

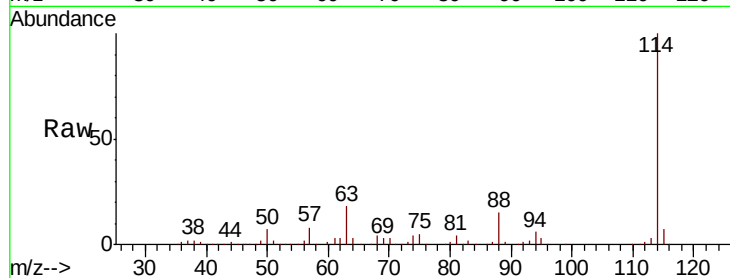
Tgt Ion:114 Resp: 276837

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

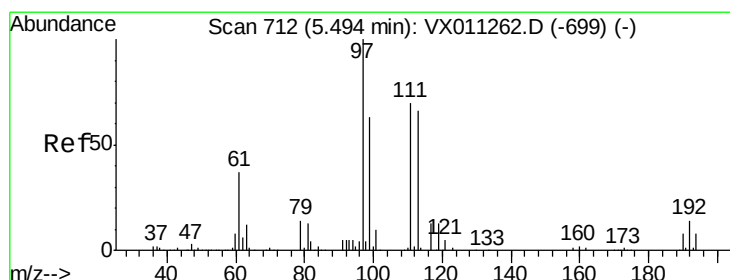
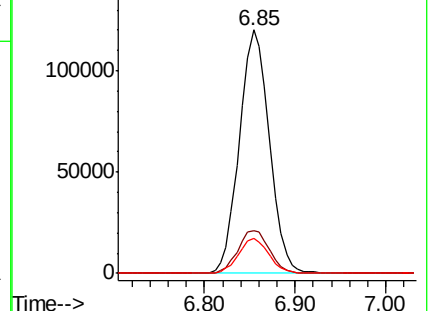
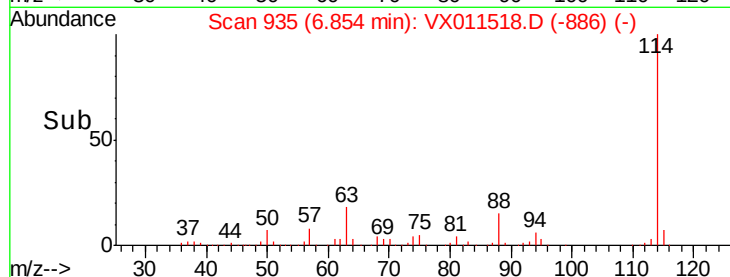
88 14.6 0.0 26.4



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: 48.106 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

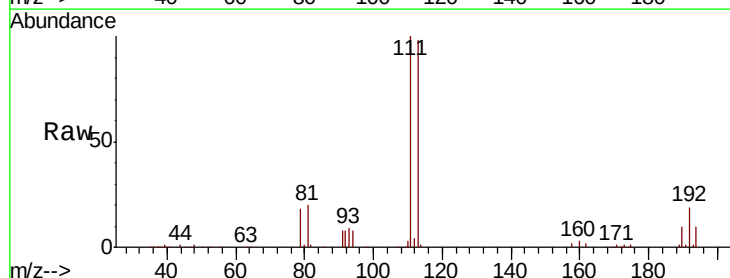
Tgt Ion:113 Resp: 86948

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

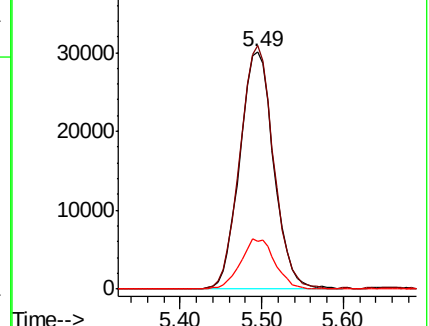
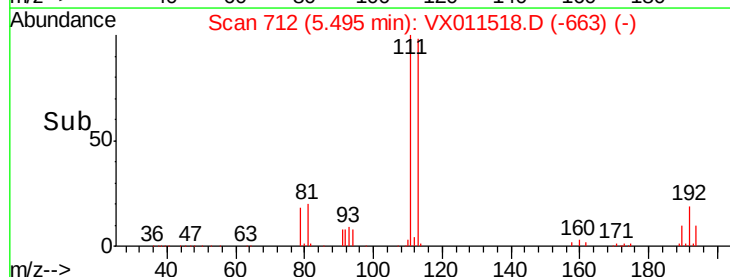
192 21.4 17.8 26.8

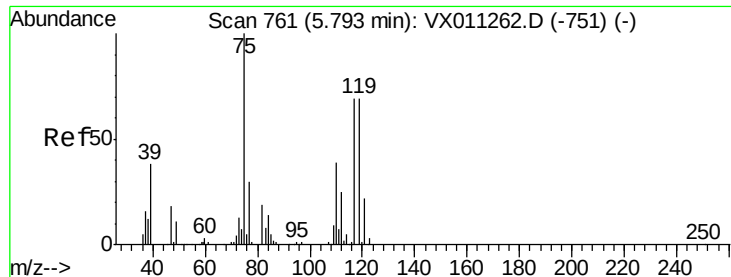


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

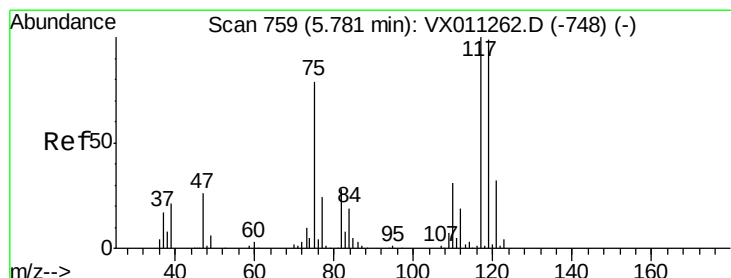
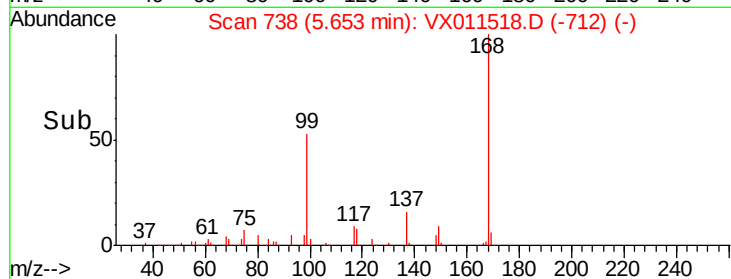
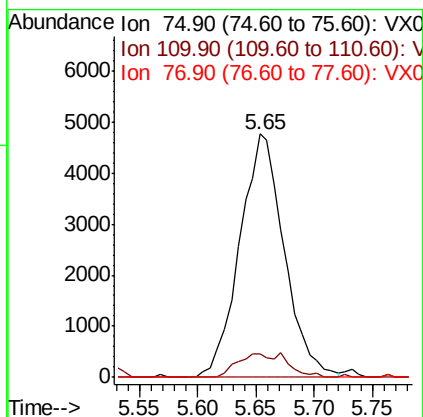
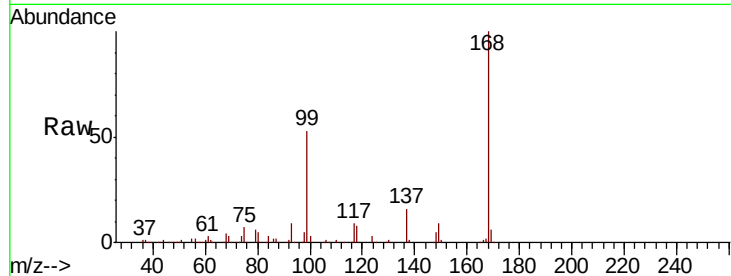




#36
 1,1-Dichloropropene
 Concen: 5.244 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011518.D
 Acq: 13 Aug 2019 05:30

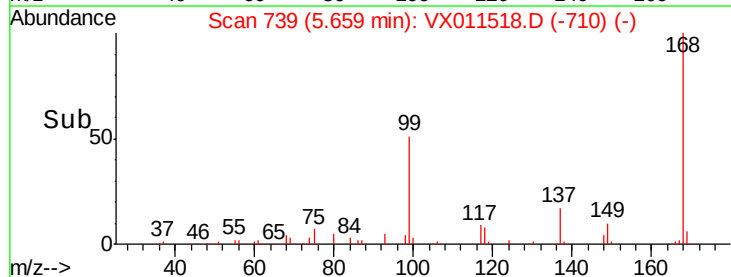
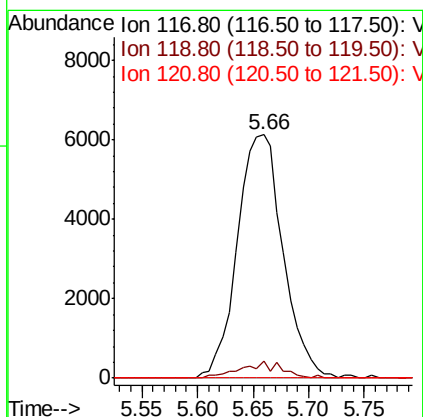
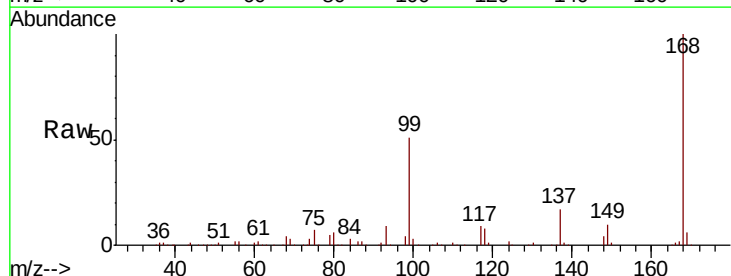
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0710

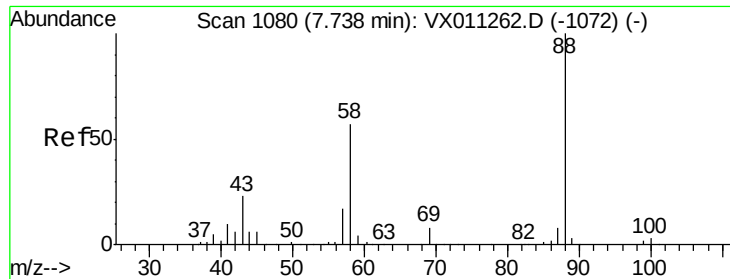
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.0	59.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.173 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011518.D
 Acq: 13 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	79.0	118.4#
121	0.0	25.9	38.9#

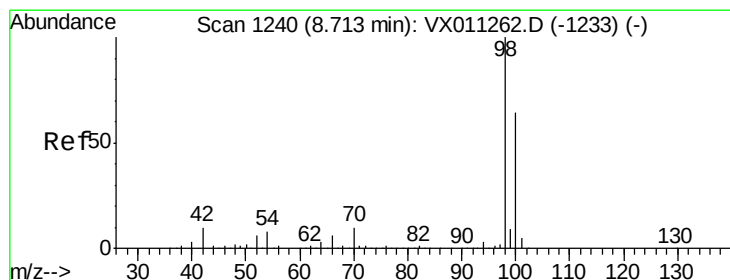
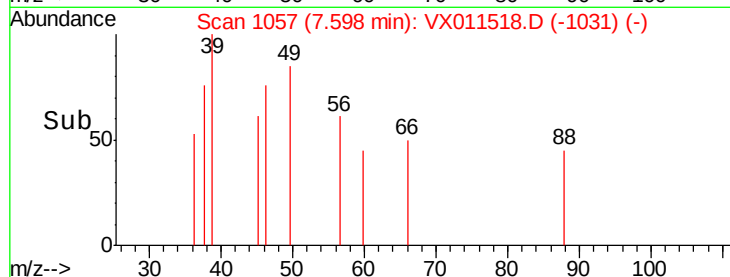
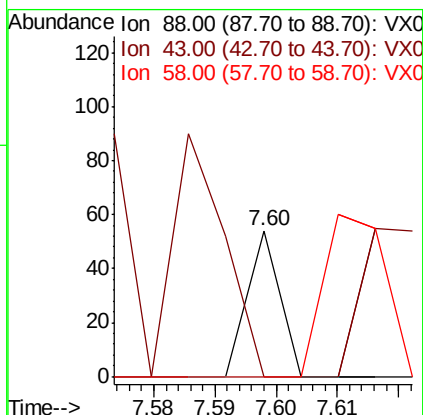
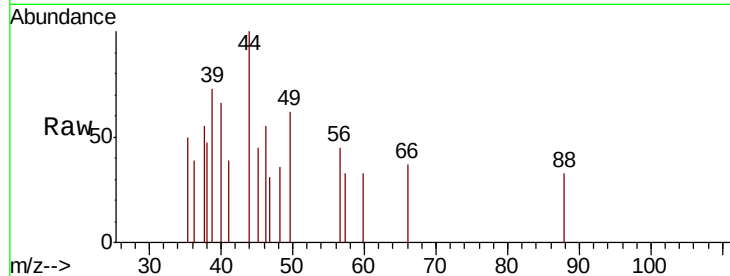




#49
1,4-Dioxane
Concen: 0.378 ug/l
RT: 7.60 min Scan# 1057
Delta R.T. -0.14 min
Lab File: VX011518.D
Acq: 13 Aug 2019 05:30

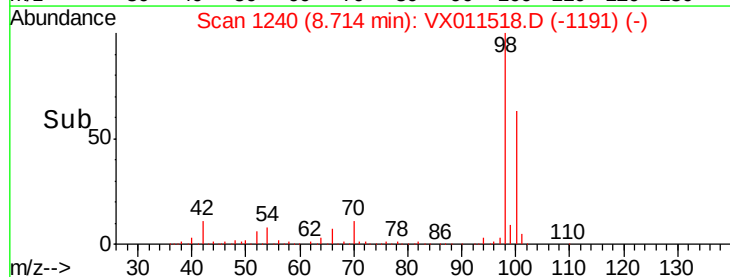
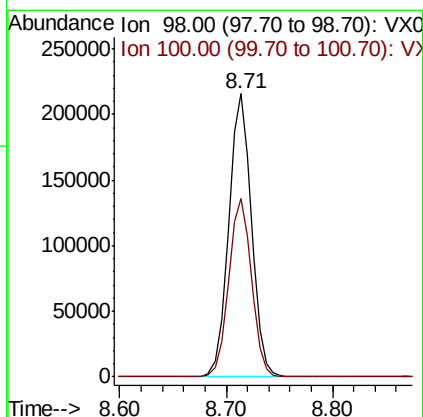
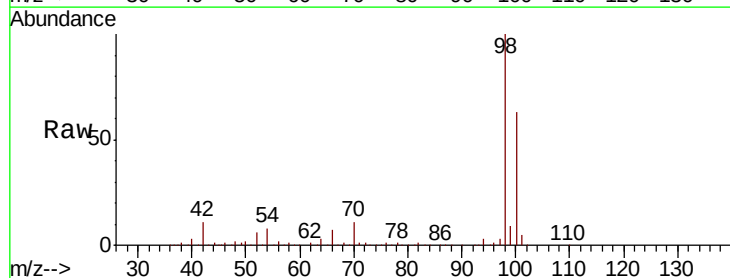
Instrument :
MSVOA_X
ClientSampled :
Z3-0710

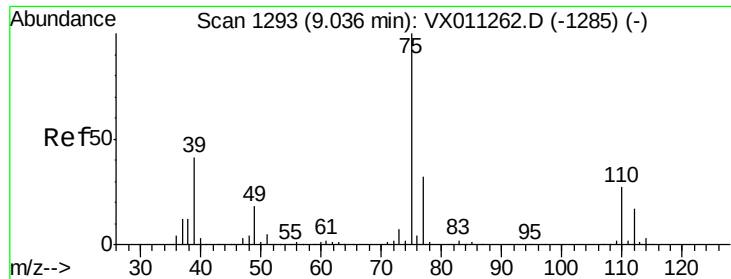
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 200.0 22.2 33.2#
58 210.0 47.8 71.8#



#50
Toluene-d8
Concen: 47.347 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011518.D
Acq: 13 Aug 2019 05:30

Tgt Ion: 98 Resp: 323019
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

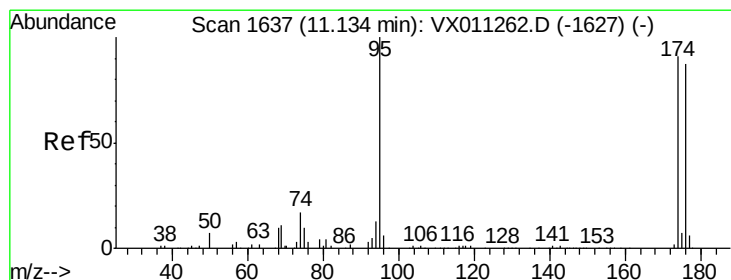
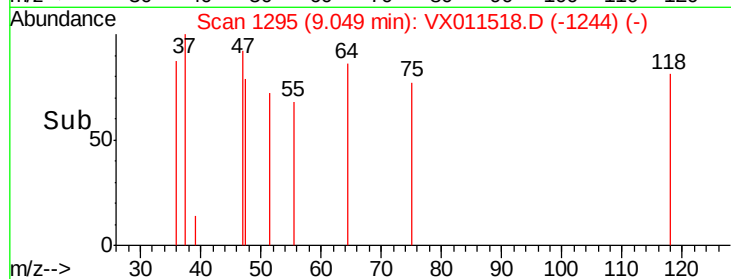
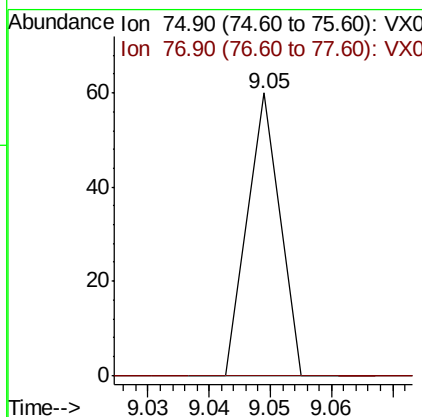
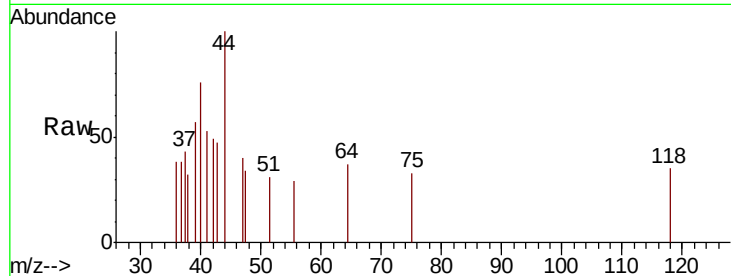




#53
t-1,3-Dichloropropene
Concen: 2.846 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX011518.D
Acq: 13 Aug 2019 05:30

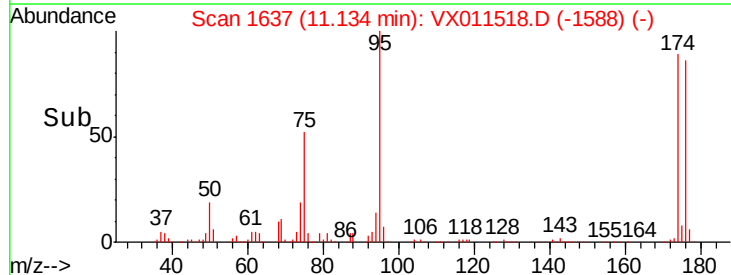
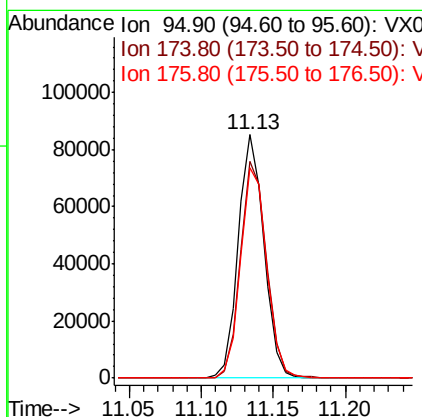
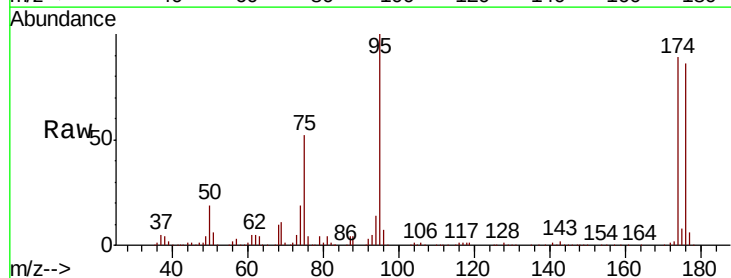
Instrument :
MSVOA_X
ClientSampleId :
Z3-0710

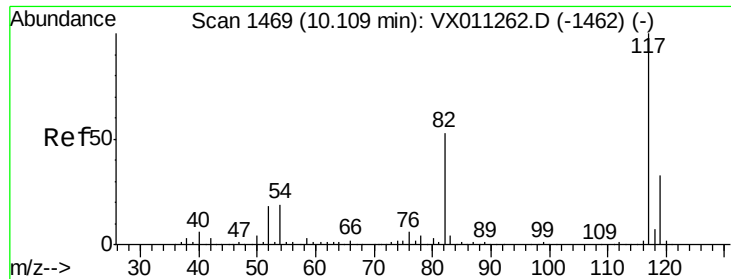
Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 43.592 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011518.D
Acq: 13 Aug 2019 05:30

Tgt Ion: 95 Resp: 106182
Ion Ratio Lower Upper
95 100
174 89.9 0.0 191.2
176 87.5 0.0 184.8

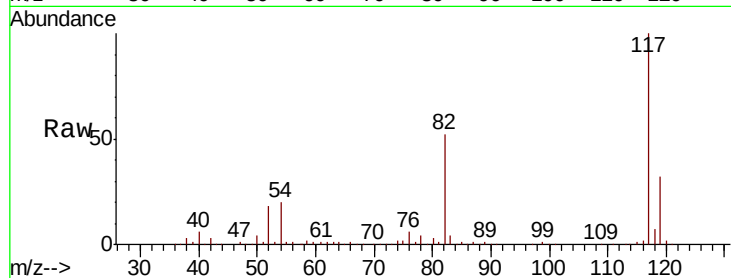




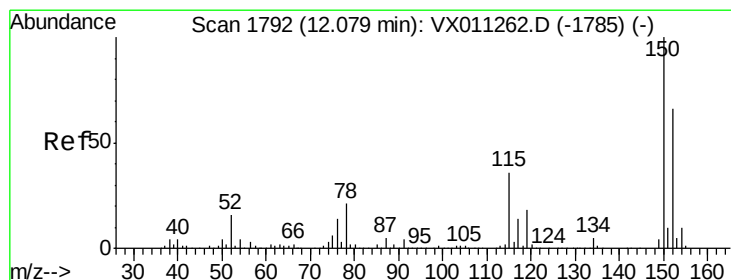
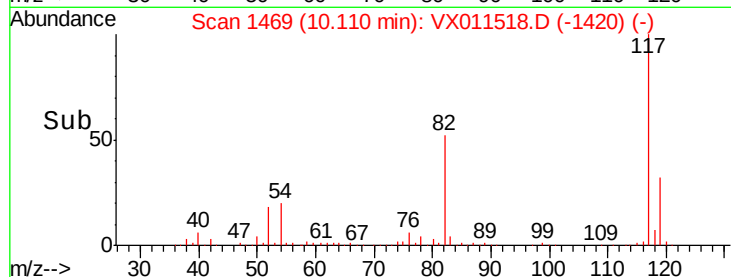
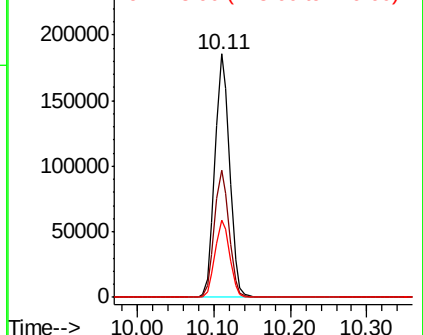
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011518.D
Acq: 13 Aug 2019 05:30

Instrument :
MSVOA_X
ClientSampleId :
Z3-0710

Tgt Ion:117 Resp: 248000
Ion Ratio Lower Upper
117 100
82 52.2 42.2 63.2
119 32.0 26.6 39.8

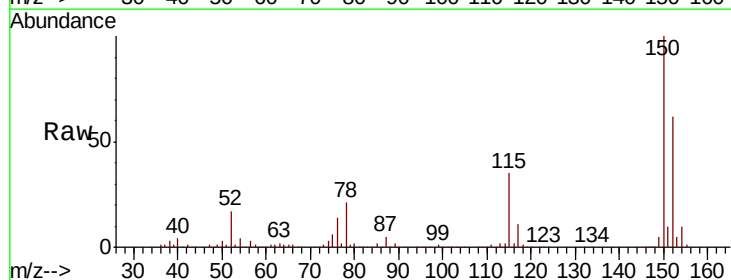


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

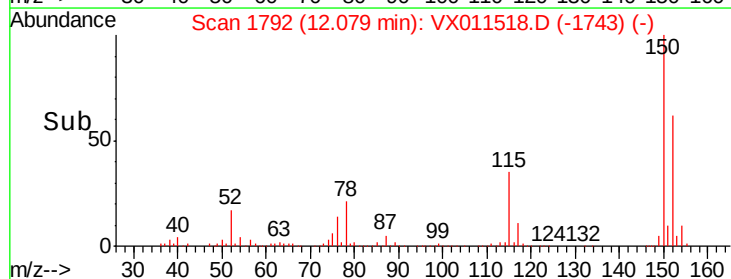
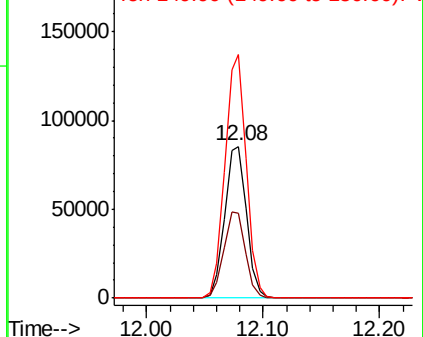


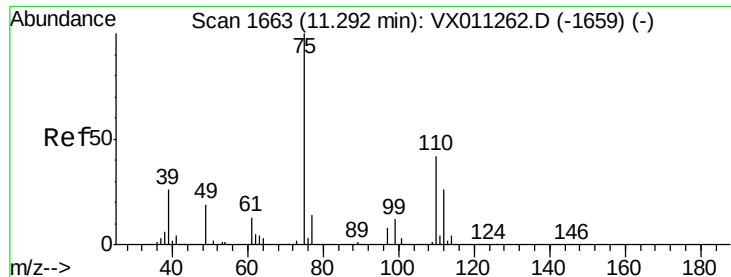
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011518.D
Acq: 13 Aug 2019 05:30

Tgt Ion:152 Resp: 110242
Ion Ratio Lower Upper
152 100
115 56.6 40.0 119.9
150 157.6 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: 27.217 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA_X

ClientSampleId :

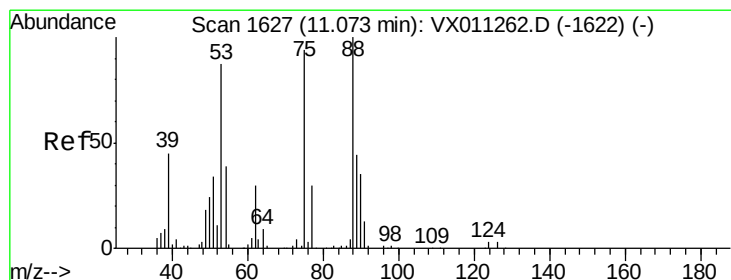
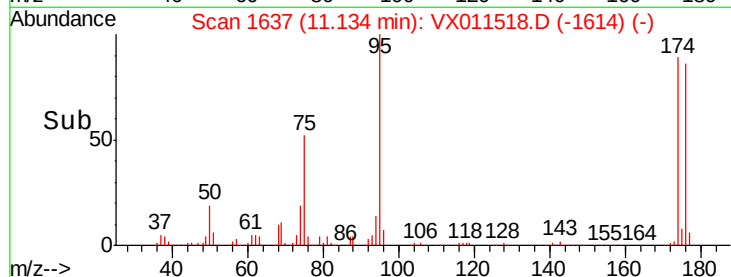
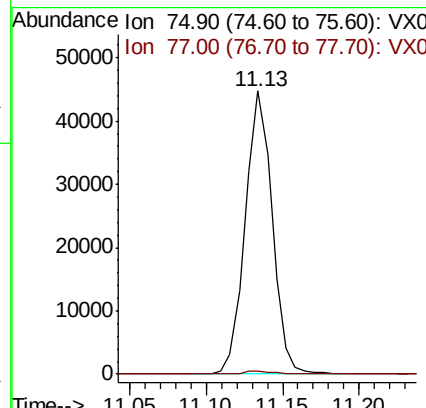
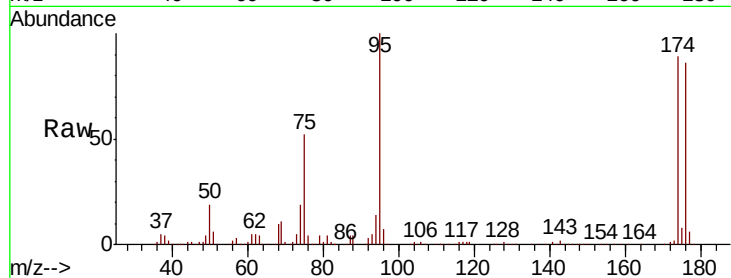
Z3-0710

Tgt Ion: 75 Resp: 54642

Ion Ratio Lower Upper

75 100

77 1.3 21.1 63.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.623 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Tgt Ion: 75 Resp: 54642

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 37.9 56.9#

