

Data File : VX011300.D
Acq On : 02 Aug 2019 13:23
Operator : JC/SP
Sample : K4119-02 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z3-0682

Quant Time: Aug 03 05:41:38 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	149766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	238491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	77640	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	5.49	113	73187	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	8.71	98	288641	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.13	95	95570	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	

Target Compounds

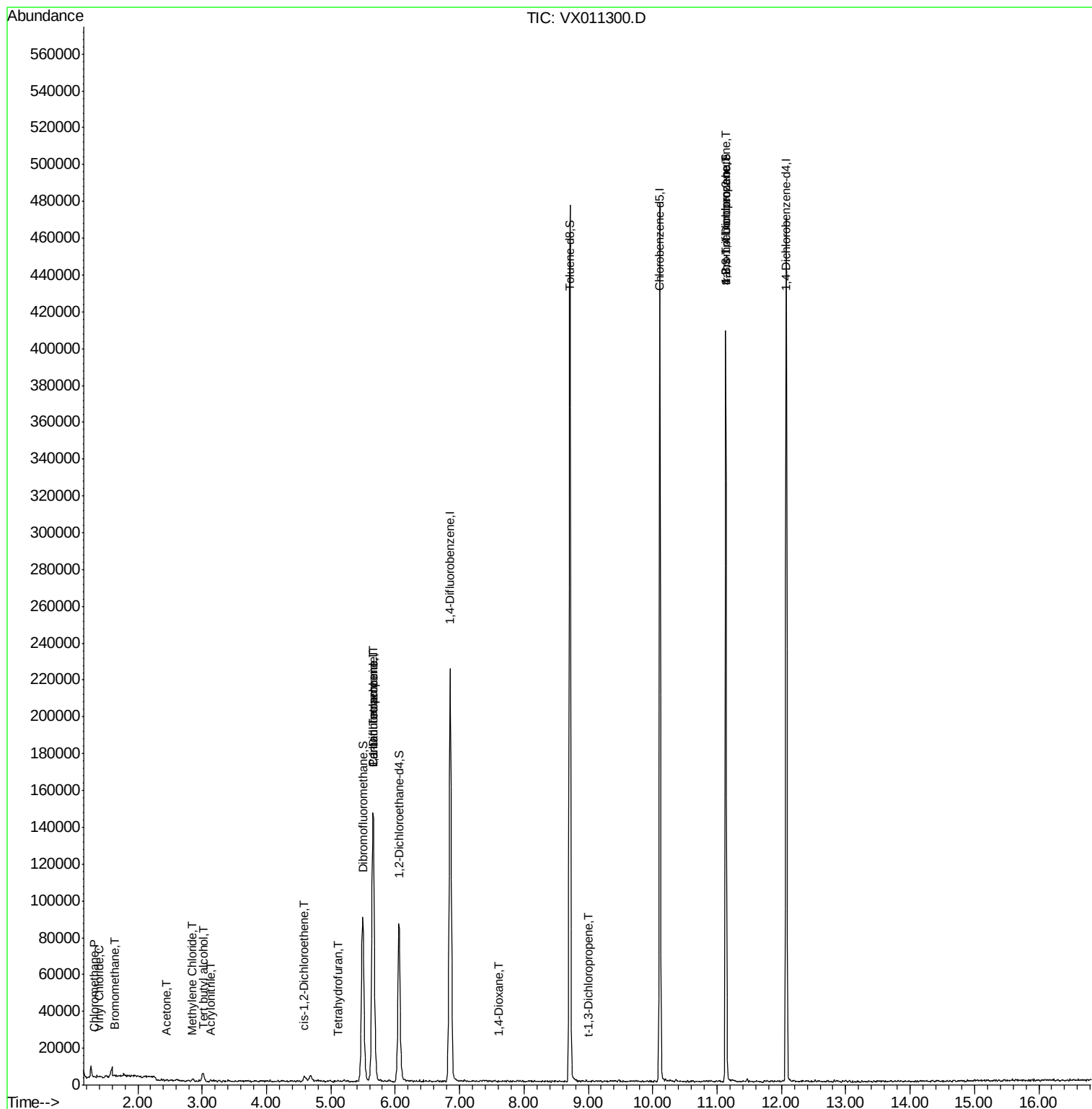
						Qvalue
3) Chloromethane	1.32	50	504	0.388	ug/l #	81
4) Vinyl Chloride	1.40	62	517	0.362	ug/l	92
5) Bromomethane	1.64	94	611	0.600	ug/l	83
6) Chloroethane	1.71	64	107	Below Cal	#	10
11) Tert butyl alcohol	3.01	59	2359	7.866	ug/l #	79
15) Acrylonitrile	3.14	53	222	0.309	ug/l #	84
16) Acetone	2.44	43	669	0.932	ug/l	96
20) Methylene Chloride	2.84	84	412	0.262	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	1760	1.060	ug/l	94
29) Tetrahydrofuran	5.11	42	269	0.430	ug/l #	35
36) 1,1-Dichloropropene	5.65	75	9709	4.663	ug/l #	49
38) Carbon Tetrachloride	5.66	117	13715	6.547	ug/l #	17
49) 1,4-Dioxane	7.61	88	23	0.505	ug/l #	29
53) t-1,3-Dichloropropene	9.01	75	58	2.862	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	47027	24.872	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	47027	64.930	ug/l #	10

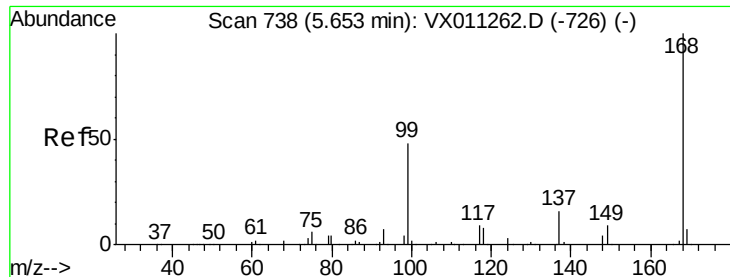
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011300.D

Acq: 02 Aug 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

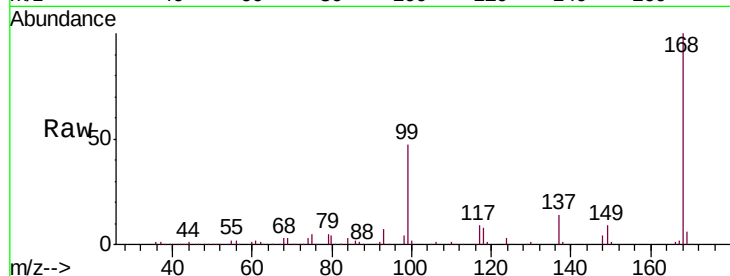
Z3-0682

Tgt Ion:168 Resp: 149766

Ion Ratio Lower Upper

168 100

99 47.0 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

50000

40000

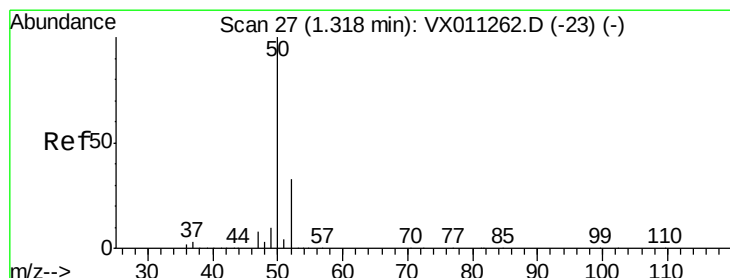
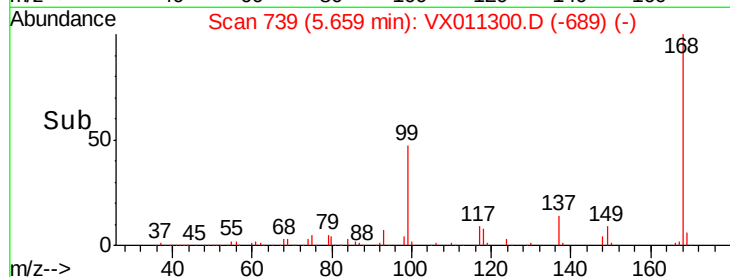
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.388 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011300.D

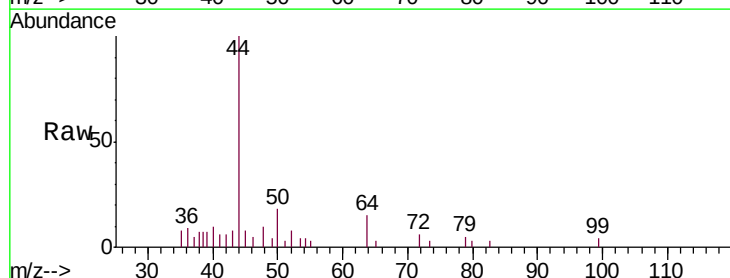
Acq: 02 Aug 2019 13:23

Tgt Ion: 50 Resp: 504

Ion Ratio Lower Upper

50 100

52 22.5 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

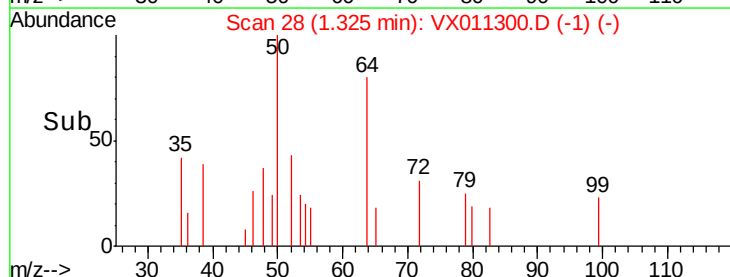
300

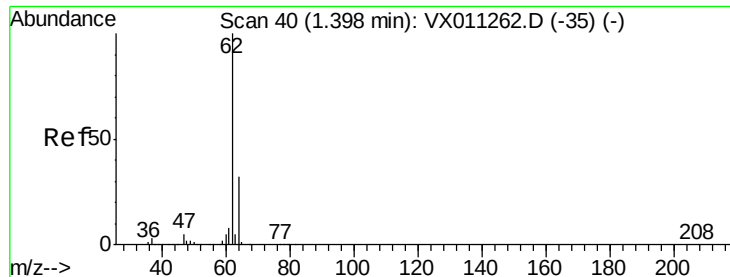
200

100

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 0.362 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011300.D

Acq: 02 Aug 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

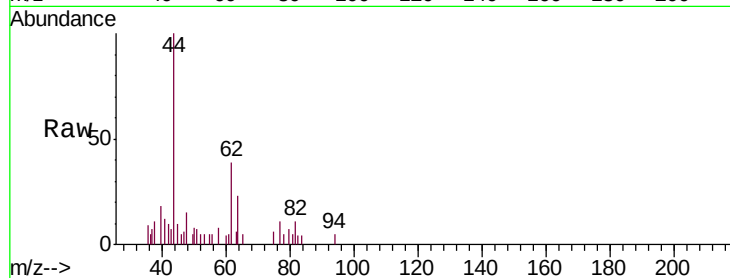
Z3-0682

Tgt Ion: 62 Resp: 517

Ion Ratio Lower Upper

62 100

64 37.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

400

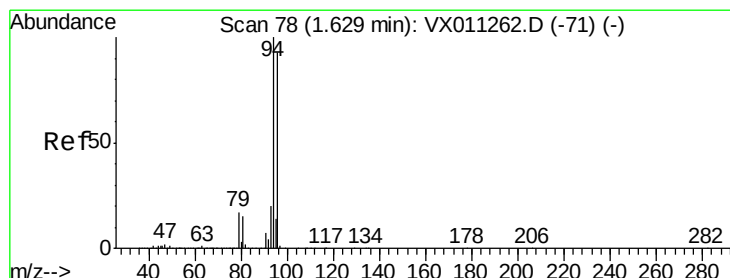
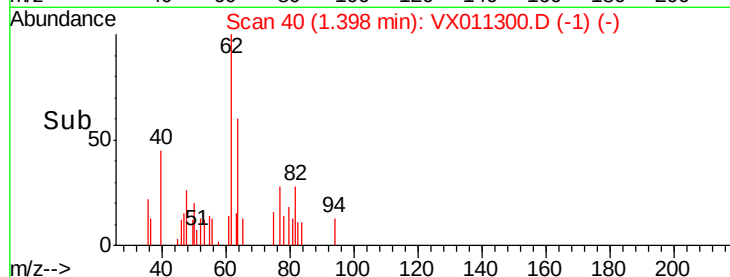
300

200

100

0

Time--> 1.35 1.40 1.45



#5

Bromomethane

Concen: 0.600 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011300.D

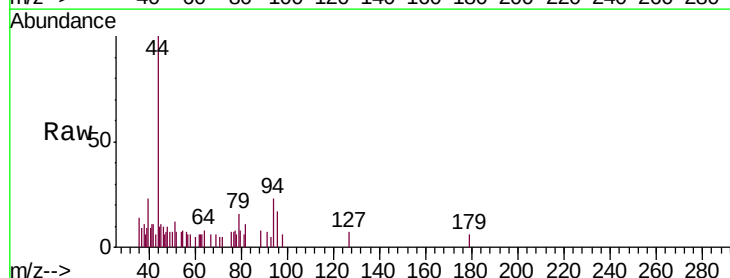
Acq: 02 Aug 2019 13:23

Tgt Ion: 94 Resp: 611

Ion Ratio Lower Upper

94 100

96 77.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

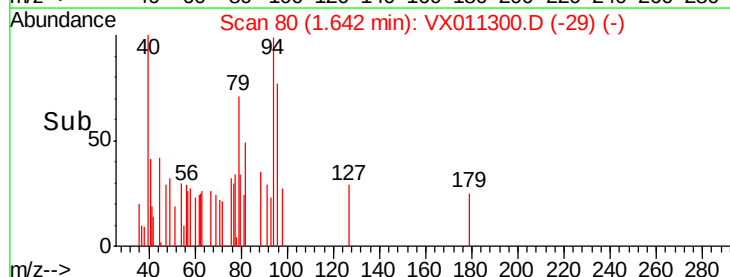
150

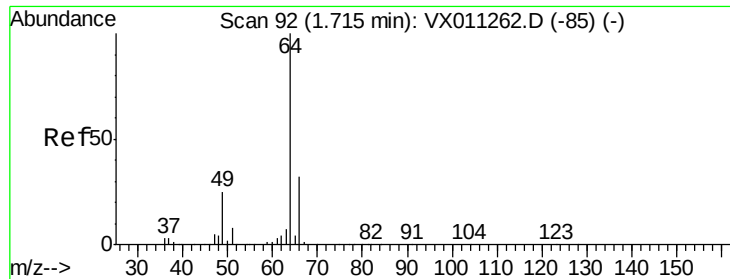
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011300.D

Acq: 02 Aug 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

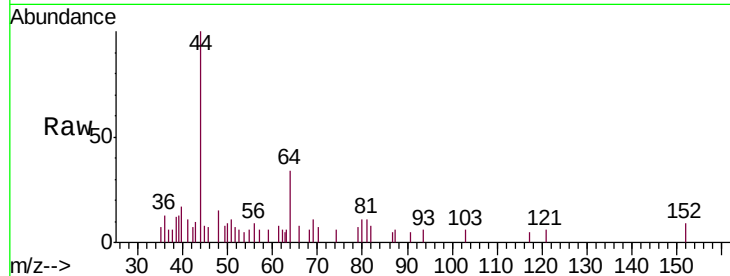
Z3-0682

Tgt Ion: 64 Resp: 107

Ion Ratio Lower Upper

64 100

66 81.4 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

400

300

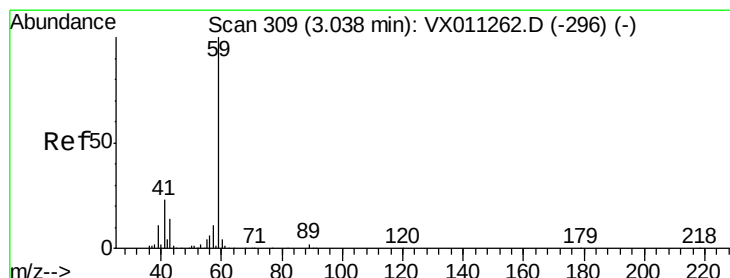
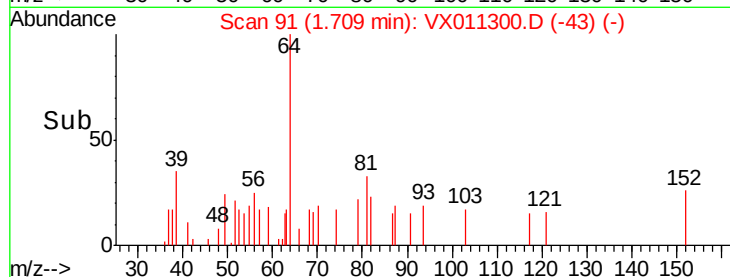
200

100

0

1.69 1.70 1.71 1.72

Time-->



#11

Tert butyl alcohol

Concen: 7.866 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011300.D

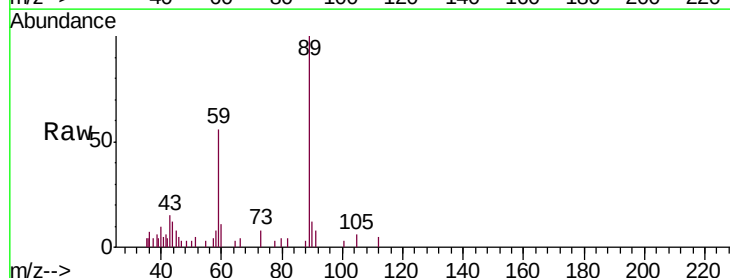
Acq: 02 Aug 2019 13:23

Tgt Ion: 59 Resp: 2359

Ion Ratio Lower Upper

59 100

57 2.6 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1000

800

600

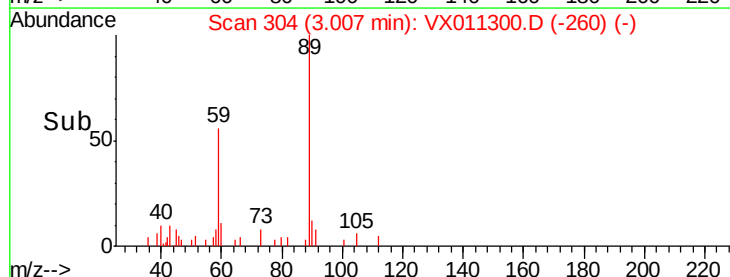
400

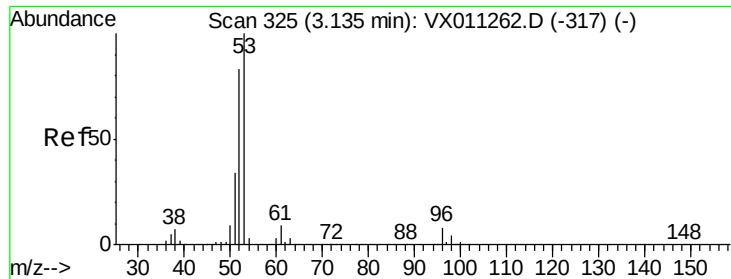
200

0

2.95 3.00 3.05 3.10

Time-->





#15

Acrylonitrile

Concen: 0.309 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011300.D

Acq: 02 Aug 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

Z3-0682

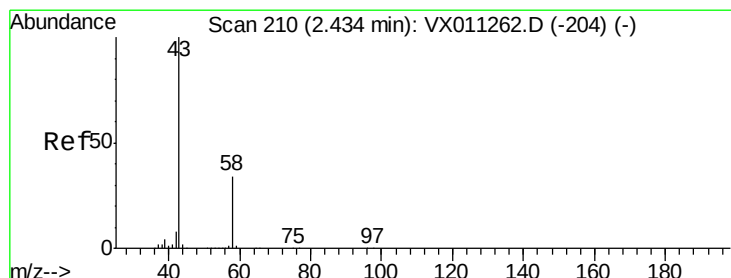
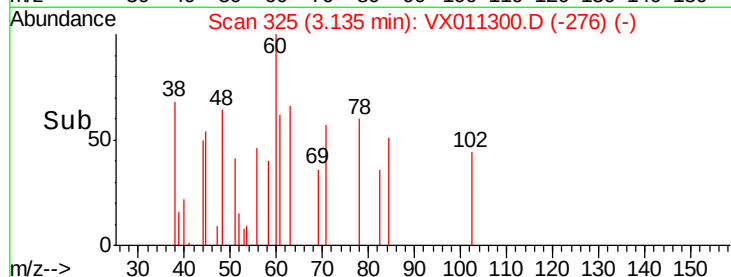
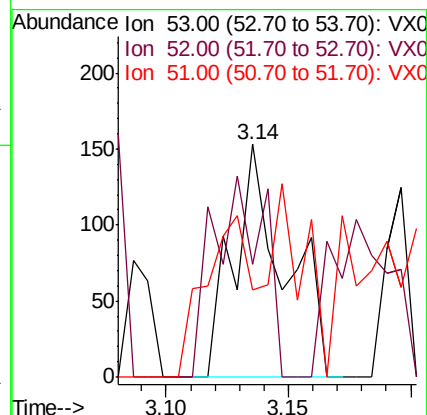
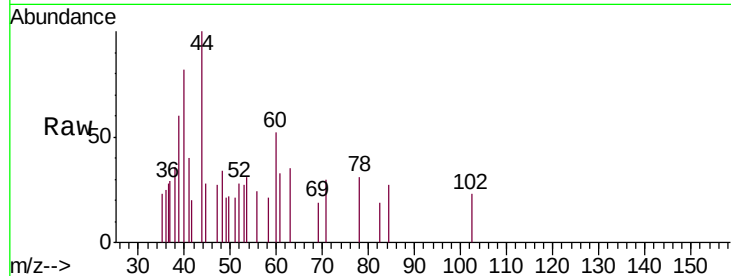
Tgt Ion: 53 Resp: 222

Ion Ratio Lower Upper

53 100

52 85.1 65.5 98.3

51 61.7 27.9 41.9#



#16

Acetone

Concen: 0.932 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011300.D

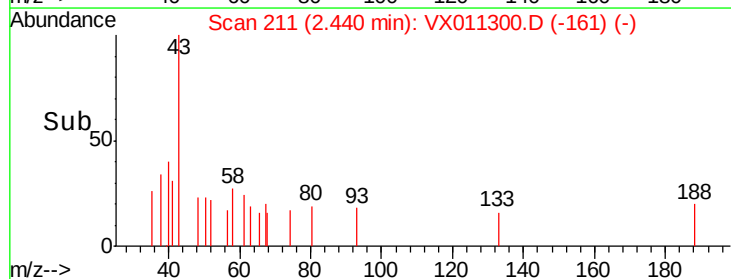
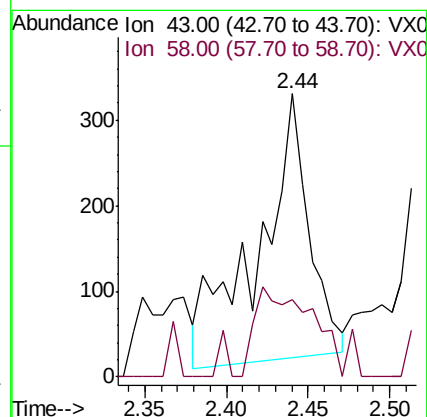
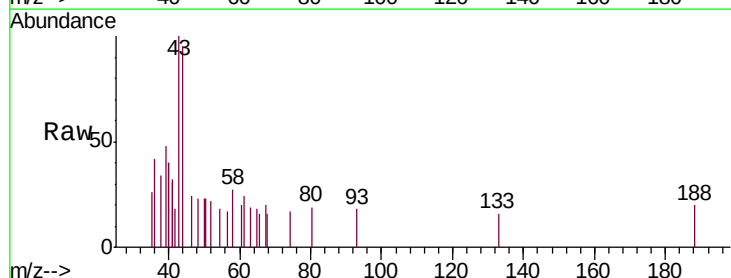
Acq: 02 Aug 2019 13:23

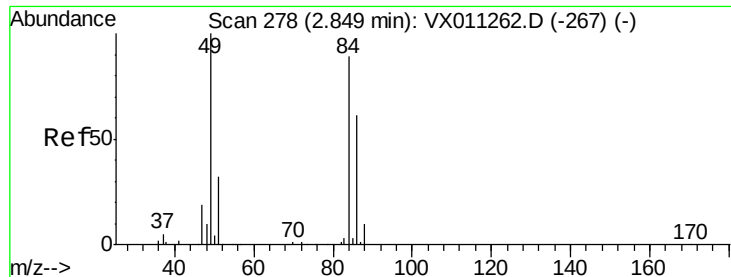
Tgt Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

58 32.1 27.4 41.0

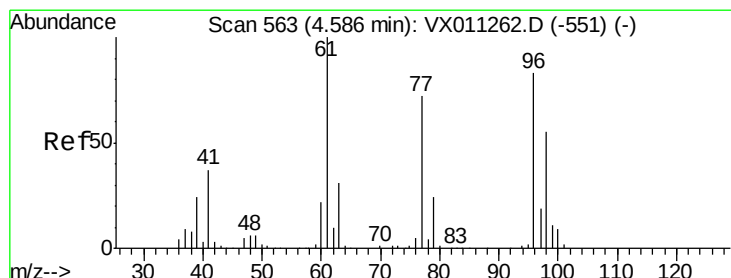
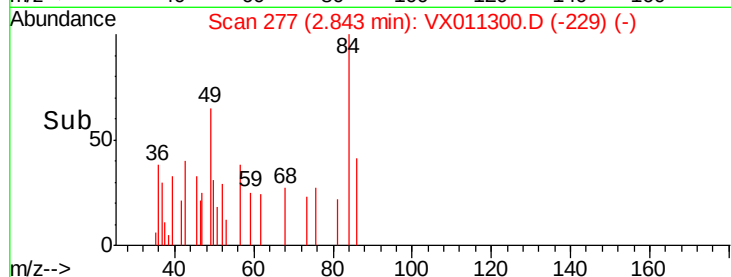
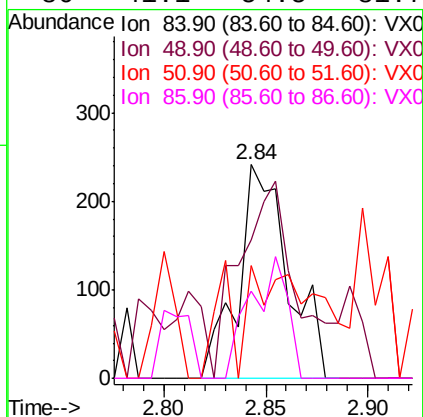
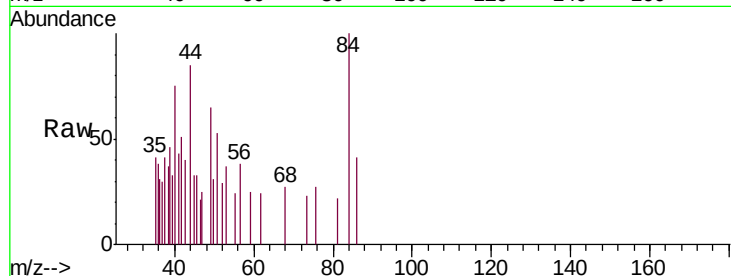




#20
Methylene Chloride
Concen: 0.262 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

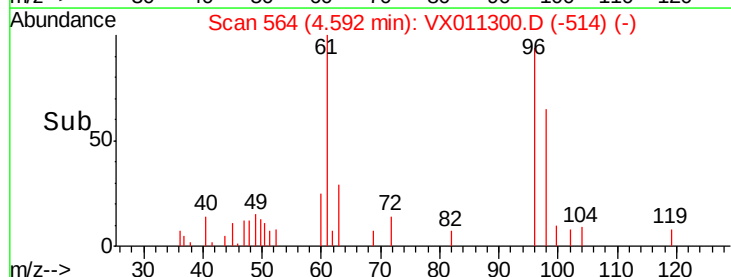
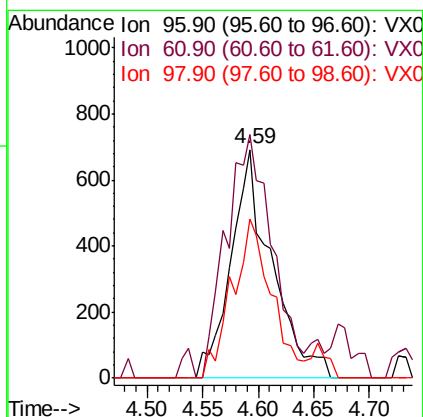
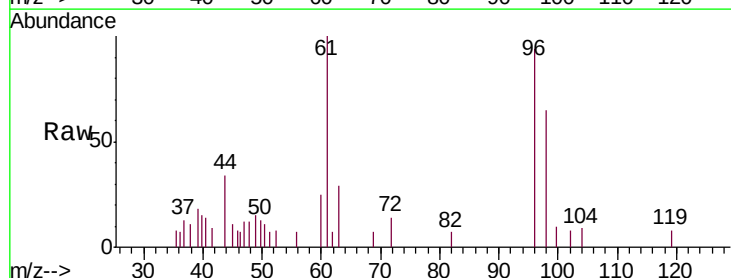
Instrument :
MSVOA_N
ClientSampled :
Z3-0682

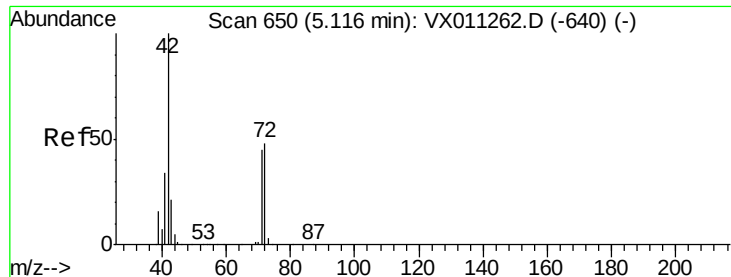
Tgt Ion:	84	Resp:	412
Ion	Ratio	Lower	Upper
84	100		
49	39.4	89.3	133.9#
51	52.7	28.3	42.5#
86	41.1	54.5	81.7#



#27
cis-1,2-Dichloroethene
Concen: 1.060 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

Tgt Ion:	96	Resp:	1760
Ion	Ratio	Lower	Upper
96	100		
61	120.2	0.0	260.2
98	67.4	0.0	133.2

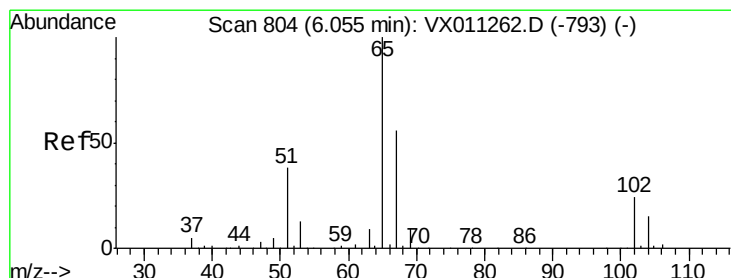
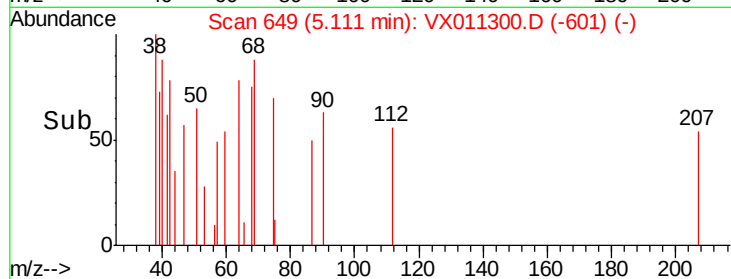
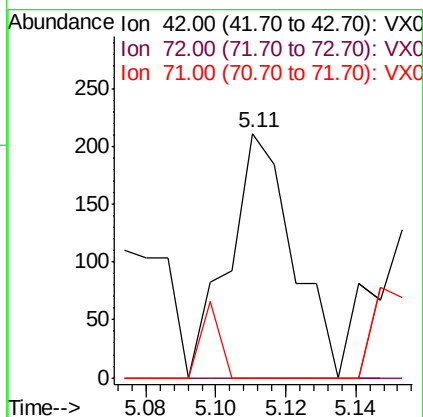
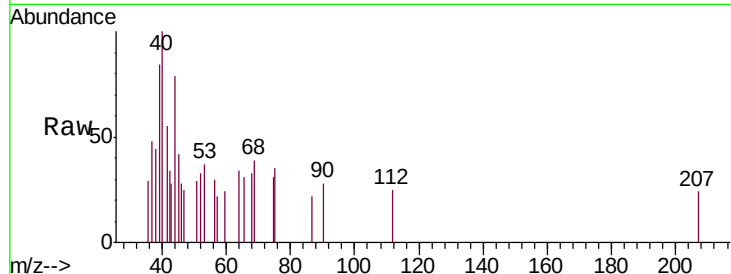




#29
Tetrahydrofuran
Concen: 0.430 ug/l
RT: 5.11 min Scan# 649
Delta R.T. -0.01 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

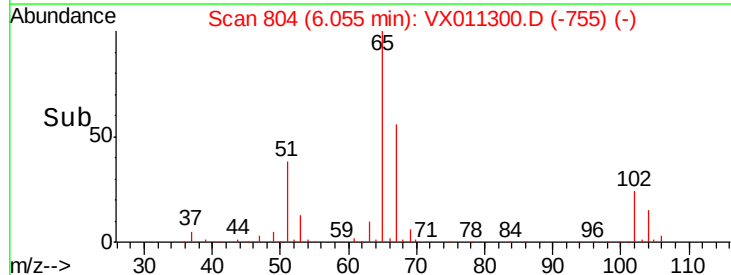
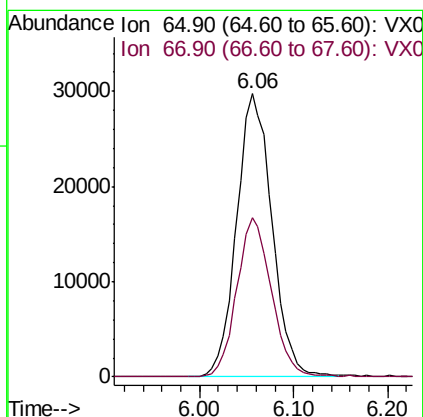
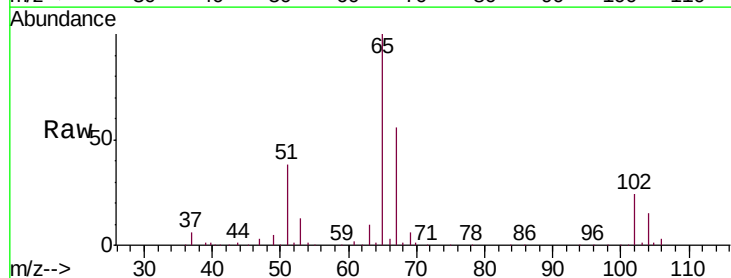
Instrument :
MSVOA_N
ClientSampled :
Z3-0682

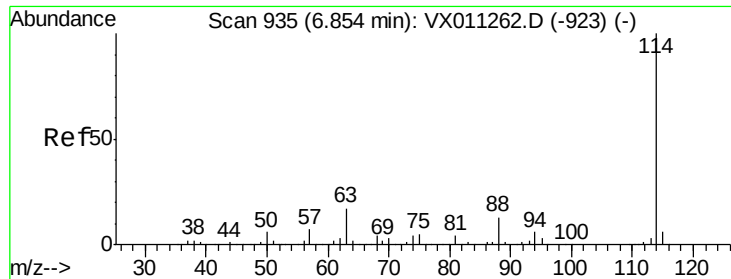
Tgt Ion: 42 Resp: 269
Ion Ratio Lower Upper
42 100
72 0.0 39.9 59.9#
71 8.9 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 51.478 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

Tgt Ion: 65 Resp: 77640
Ion Ratio Lower Upper
65 100
67 55.3 0.0 110.6

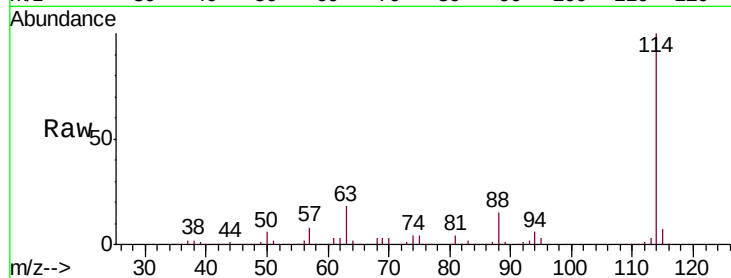




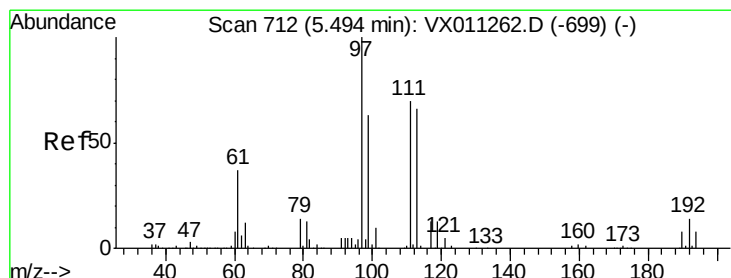
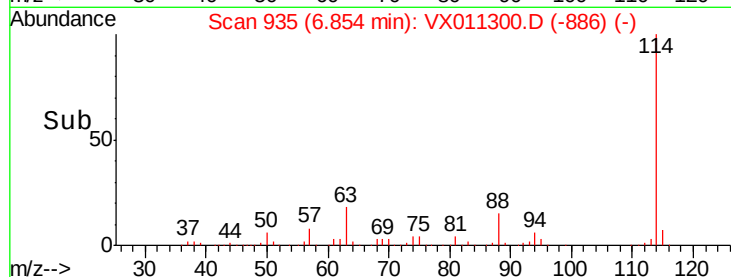
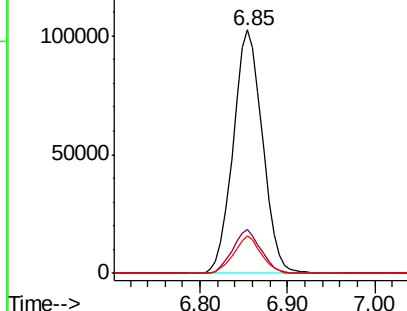
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. 0.00 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
Z3-0682

Tgt Ion:114 Resp: 238491
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.0
88 15.4 0.0 26.4

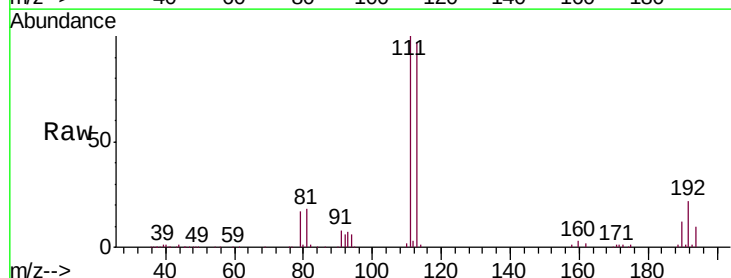


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

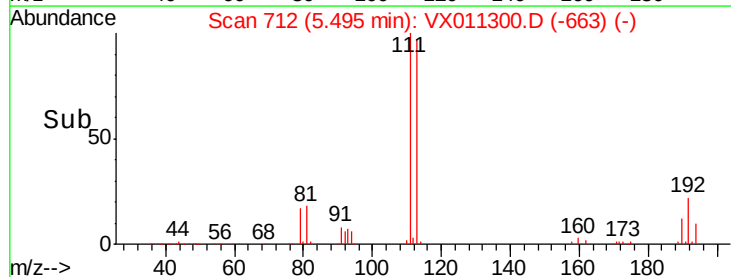
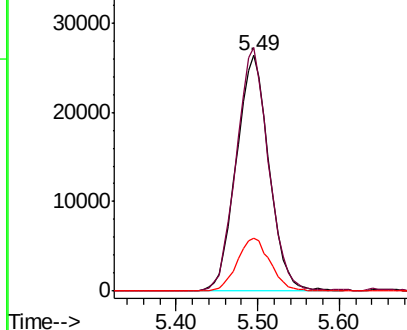


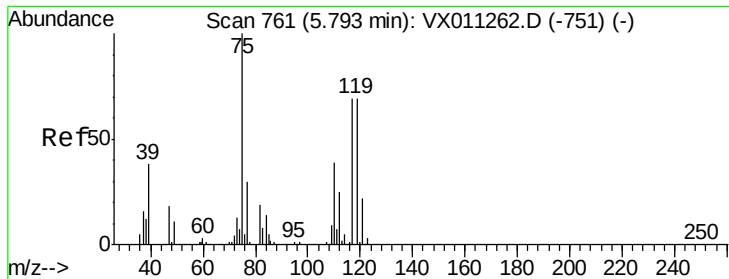
#35
Dibromofluoromethane
Concen: 47.003 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

Tgt Ion:113 Resp: 73187
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 22.6 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

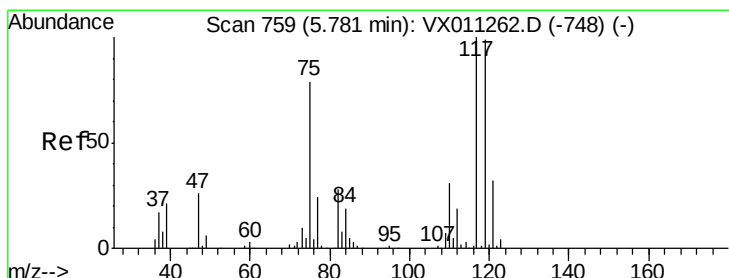
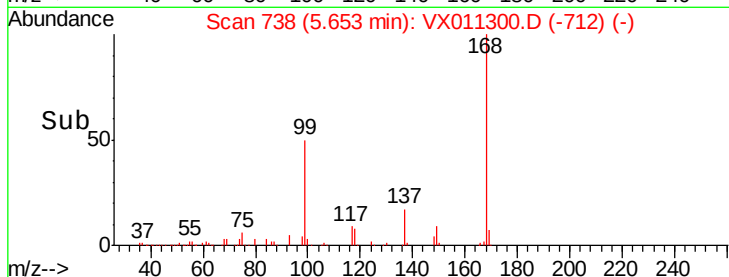
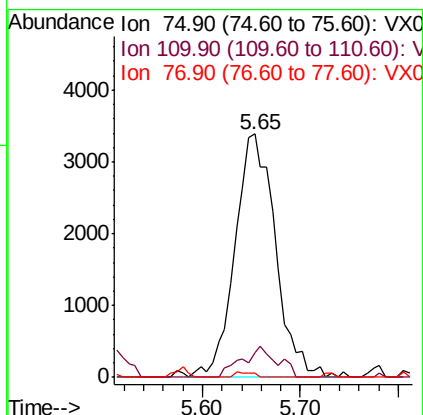
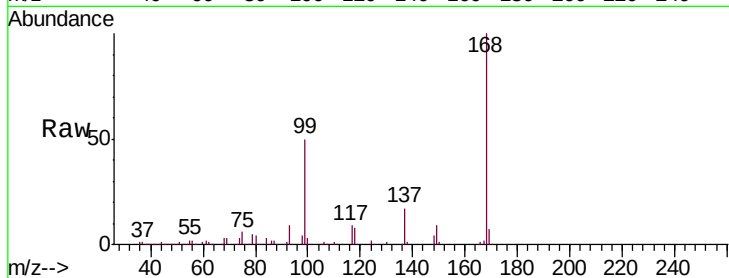




#36
 1,1-Dichloropropene
 Concen: 4.663 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011300.D
 Acq: 02 Aug 2019 13:23

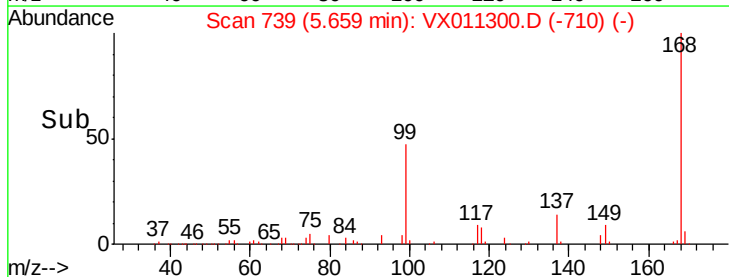
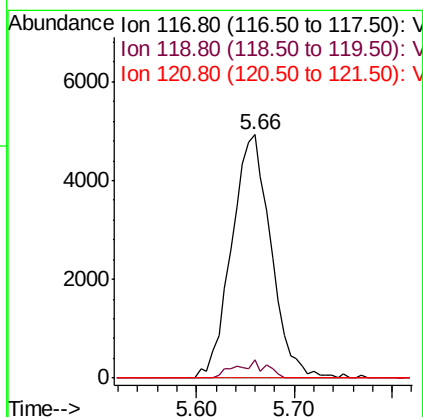
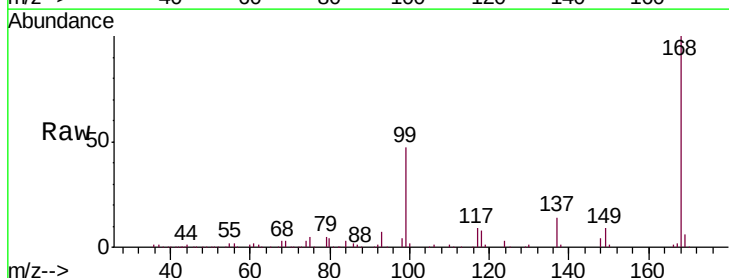
Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0682

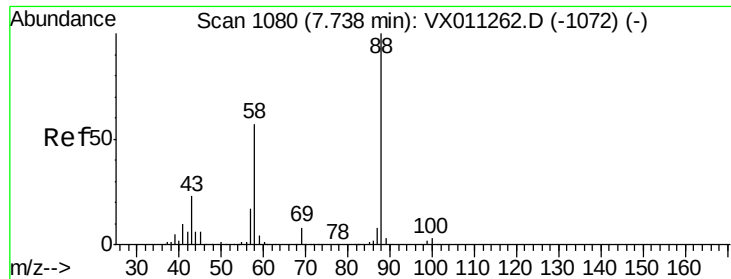
Tgt Ion: 75 Resp: 9709
 Ion Ratio Lower Upper
 75 100
 110 11.1 20.0 59.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.547 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011300.D
 Acq: 02 Aug 2019 13:23

Tgt Ion: 117 Resp: 13715
 Ion Ratio Lower Upper
 117 100
 119 7.5 79.0 118.4#
 121 0.0 25.9 38.9#

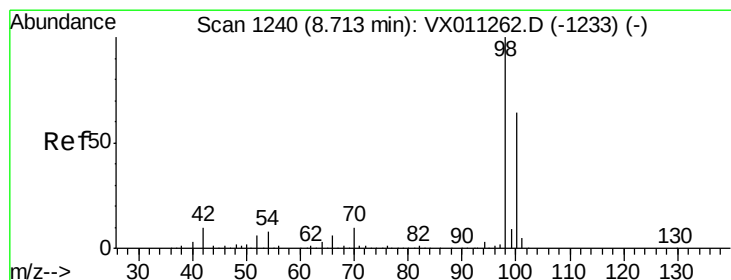
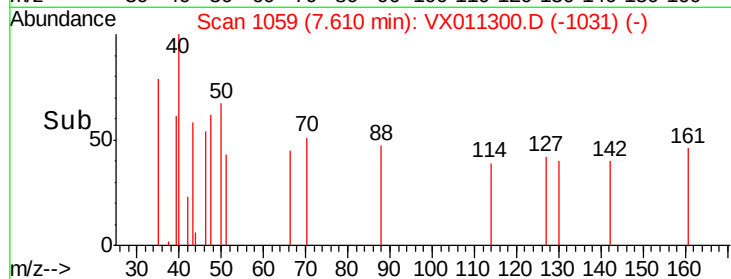
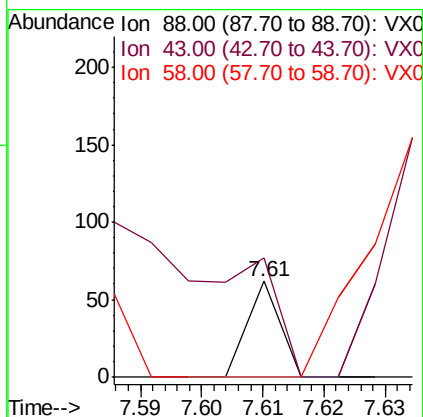
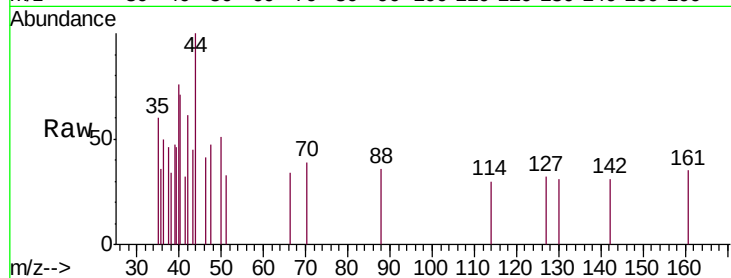




#49
1,4-Dioxane
Concen: 0.505 ug/l
RT: 7.61 min Scan# 1059
Delta R.T. -0.13 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

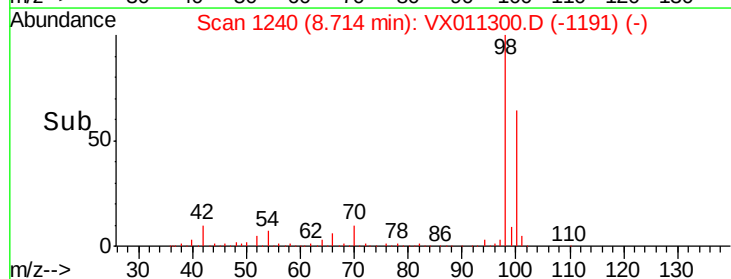
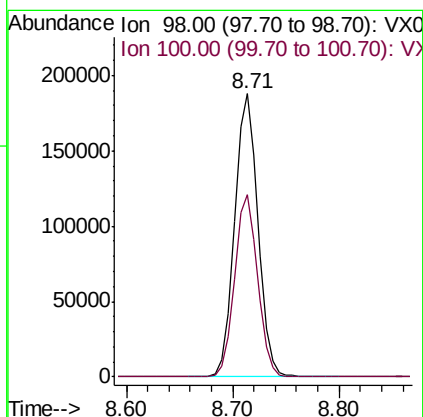
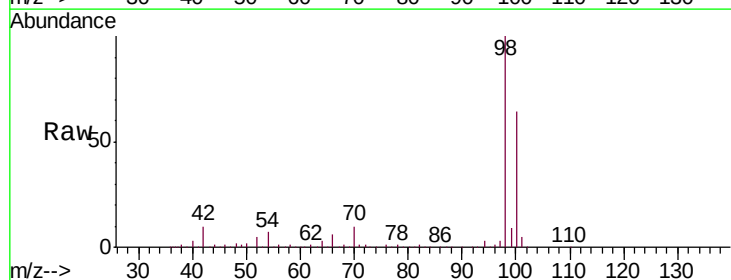
Instrument :
MSVOA_N
ClientSampled :
Z3-0682

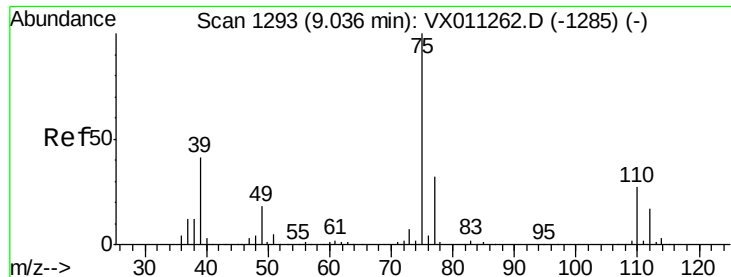
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 47.8 71.8#



#50
Toluene-d8
Concen: 49.110 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

Tgt Ion: 98 Resp: 288641
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

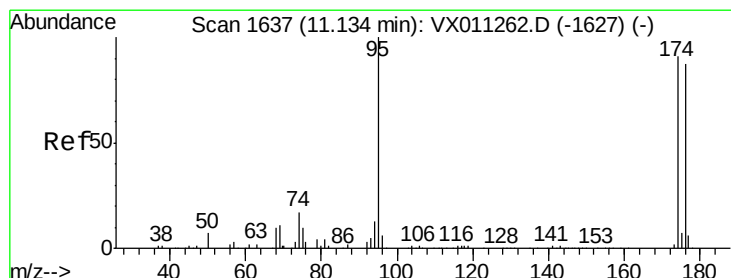
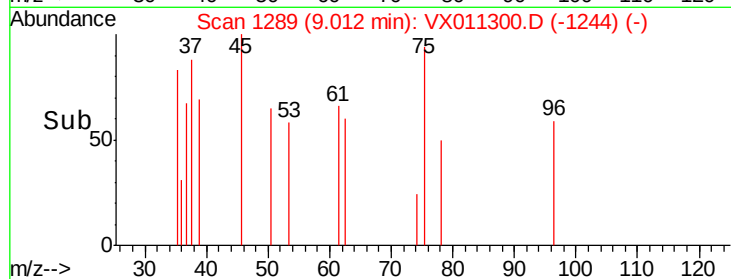
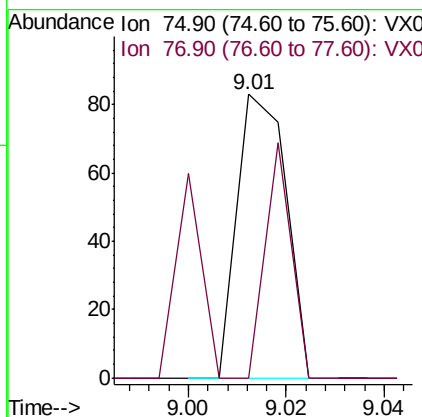
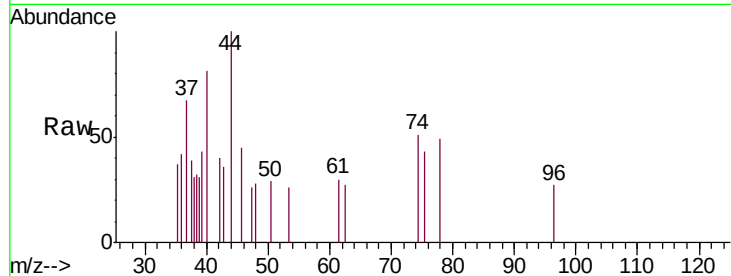




#53
t-1,3-Dichloropropene
Concen: 2.862 ug/l
RT: 9.01 min Scan# 1289
Delta R.T. -0.02 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

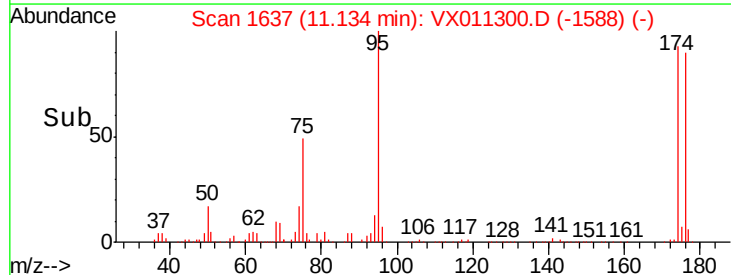
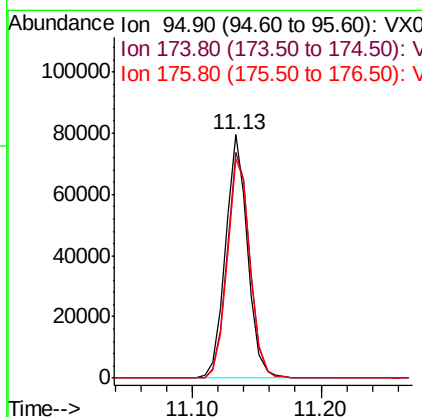
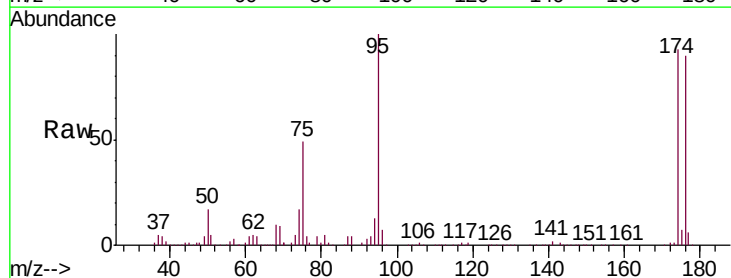
Instrument :
MSVOA_N
ClientSampleId :
Z3-0682

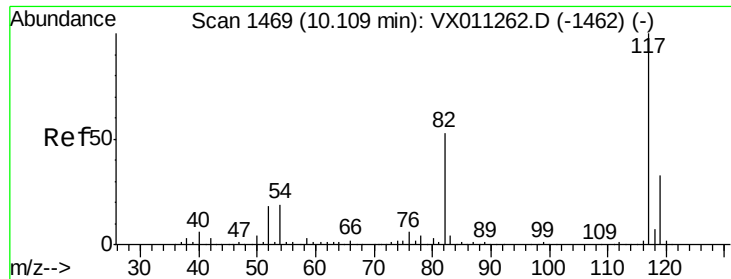
Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 45.544 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

Tgt Ion: 95 Resp: 95570
Ion Ratio Lower Upper
95 100
174 95.8 0.0 191.2
176 93.2 0.0 184.8

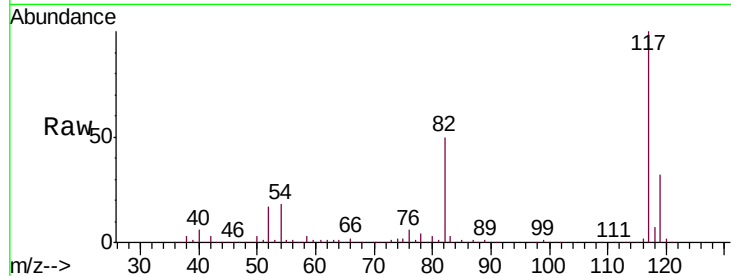




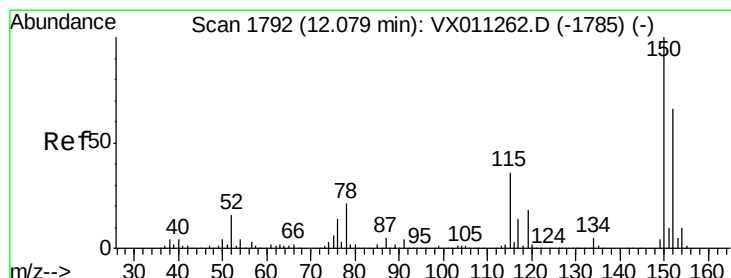
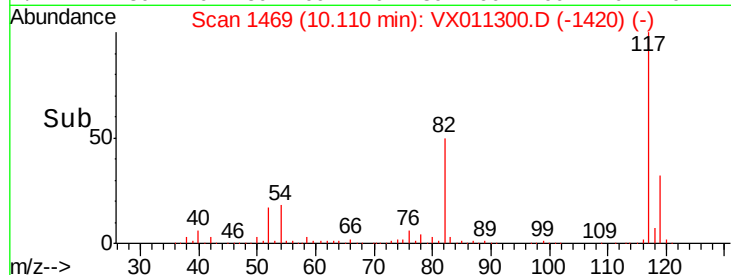
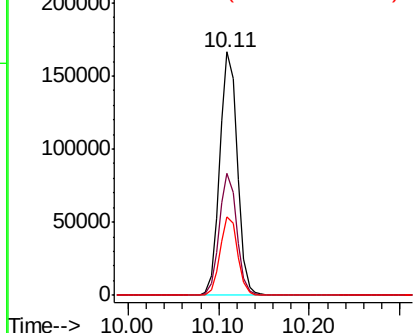
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
Z3-0682

Tgt Ion:117 Resp: 226105
Ion Ratio Lower Upper
117 100
82 50.2 42.2 63.2
119 32.3 26.6 39.8

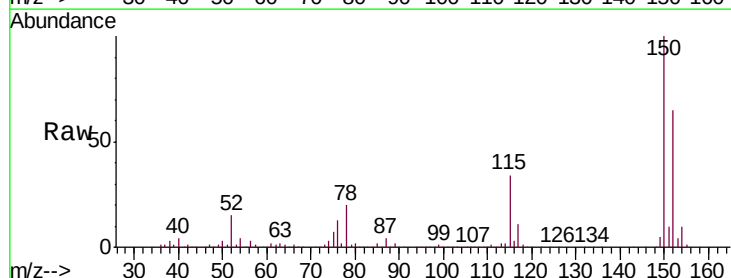


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

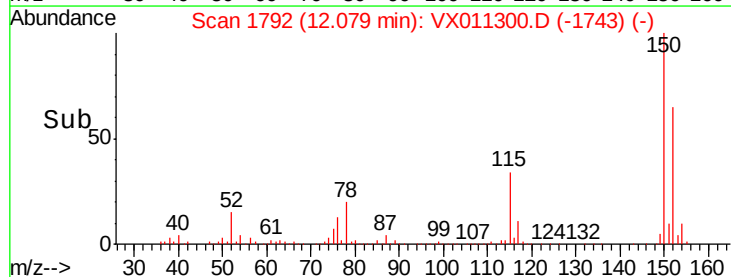
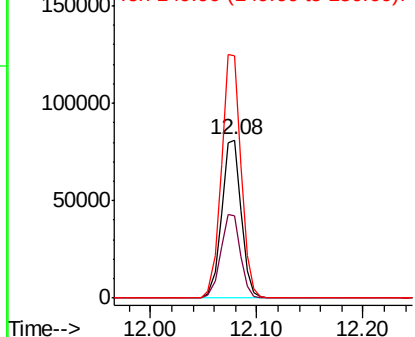


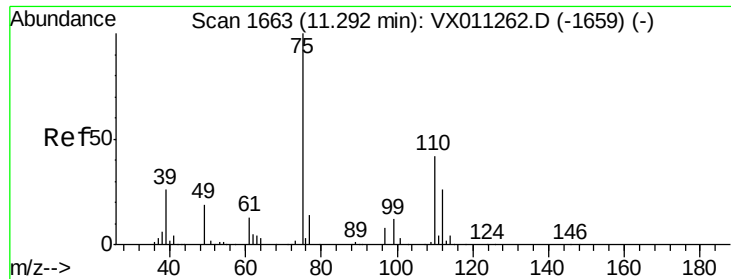
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

Tgt Ion:152 Resp: 103822
Ion Ratio Lower Upper
152 100
115 53.3 40.0 119.9
150 155.3 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

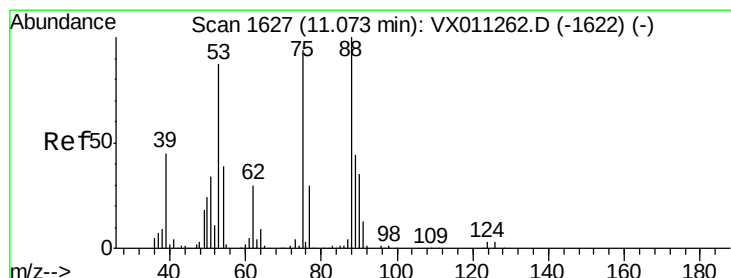
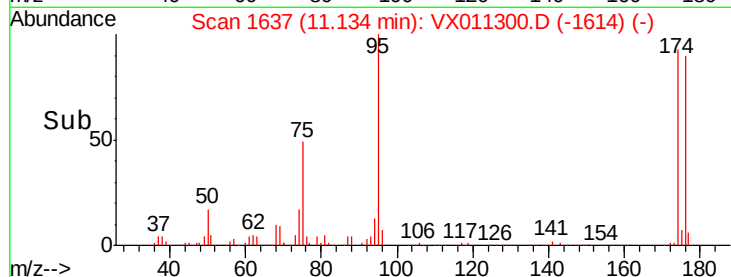
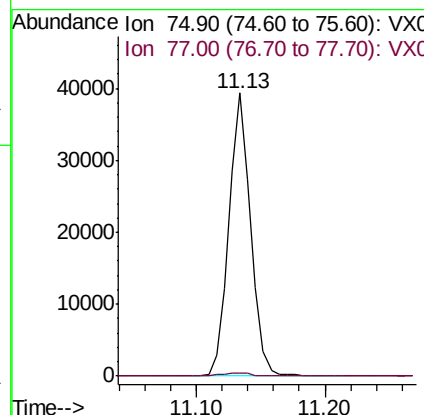
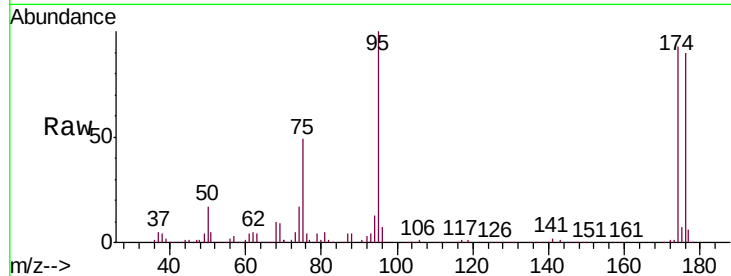




#76
 1,2,3-Trichloropropane
 Concen: 24.872 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011300.D
 Acq: 02 Aug 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0682

Tgt Ion: 75 Resp: 47027
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.930 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011300.D
 Acq: 02 Aug 2019 13:23

Tgt Ion: 75 Resp: 47027
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.2 117.4#
 89 0.1 37.9 56.9#

