

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_X
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%	

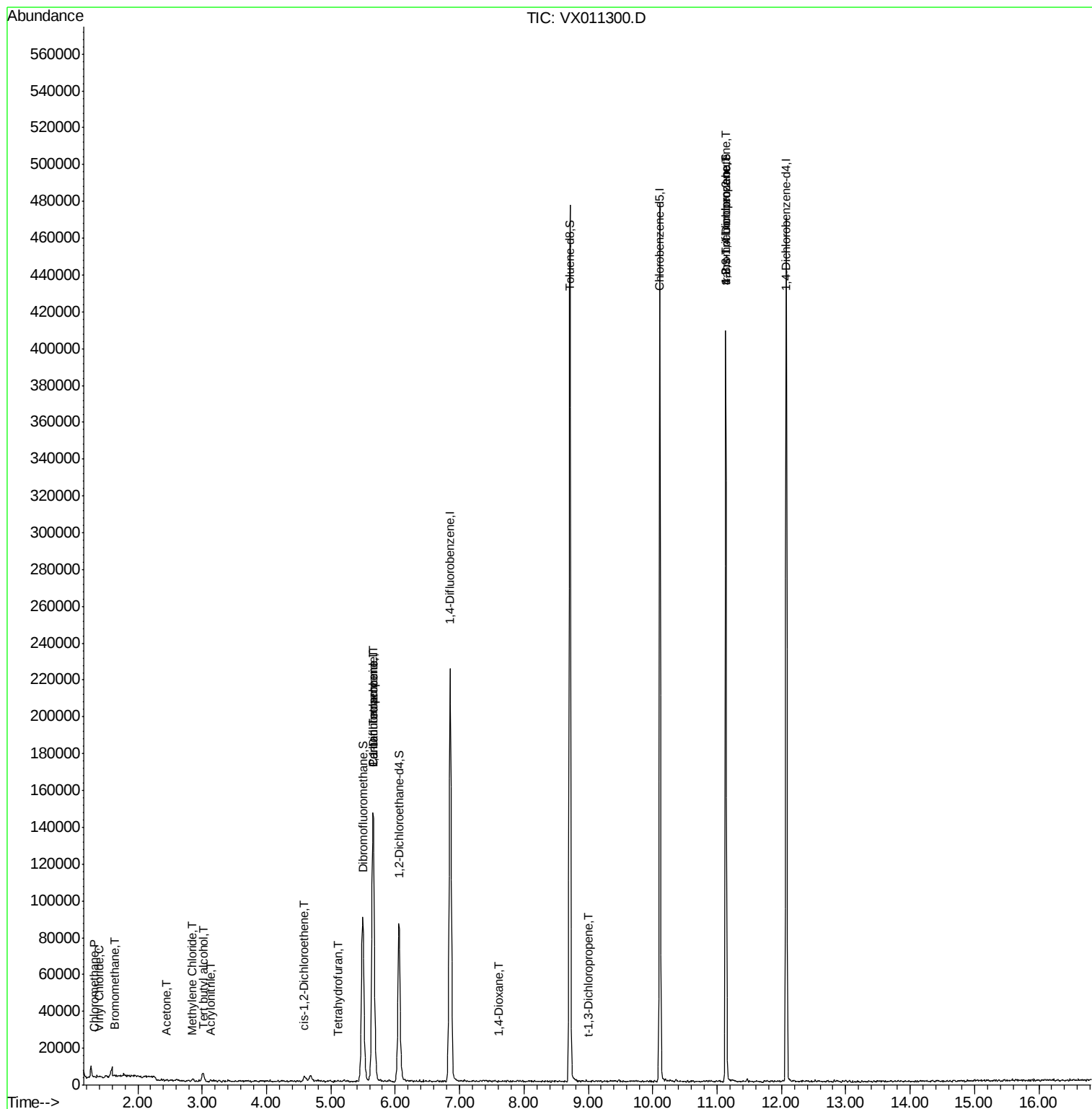
Target Compounds					Qvalue	
3) Chloromethane	1.32	50	504	0.388	ug/l #	81
4) Vinyl Chloride	1.40	62	517	0.362	ug/l	92
5) Bromomethane	1.64	94	611	0.600	ug/l	83
6) Chloroethane	1.71	64	107	Below Cal	#	10
11) Tert butyl alcohol	3.01	59	2359	7.866	ug/l #	79
15) Acrylonitrile	3.14	53	222	0.309	ug/l #	84
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_X

ClientSampleId :

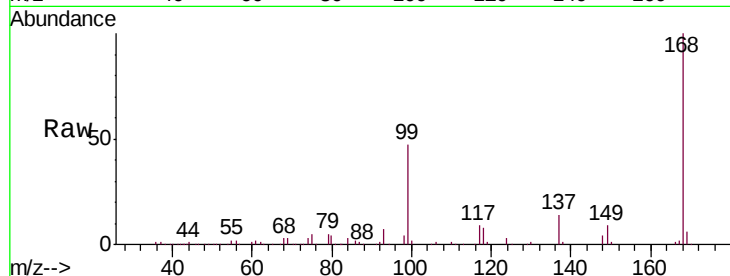
Z3-0682

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

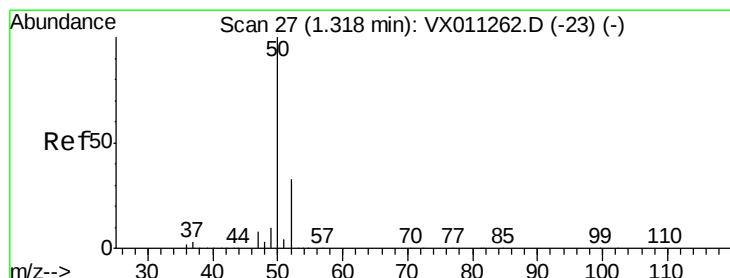
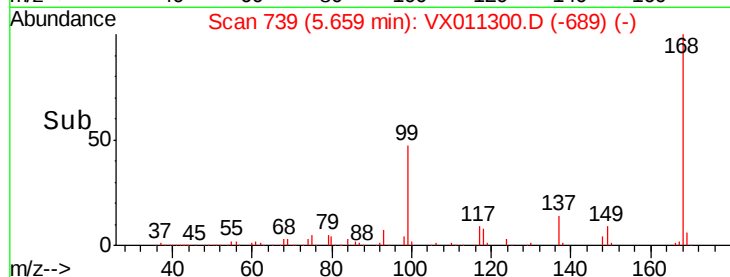
30000

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

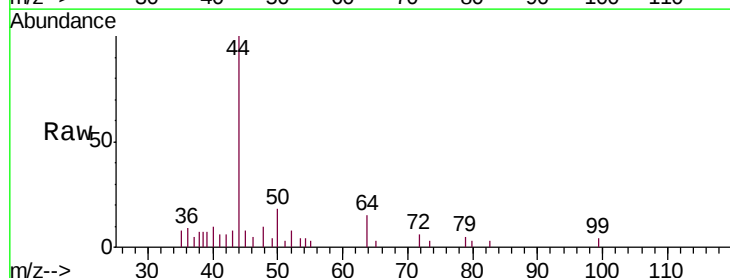
Acq: 02 Aug 2019 13:23

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

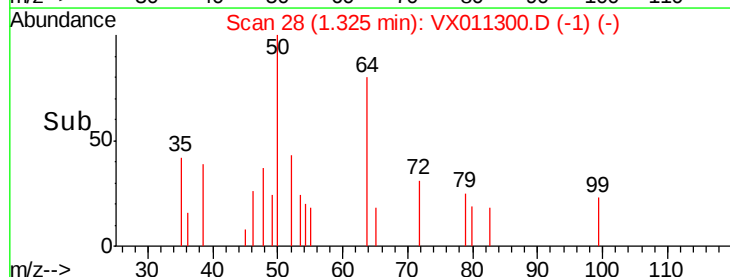
300

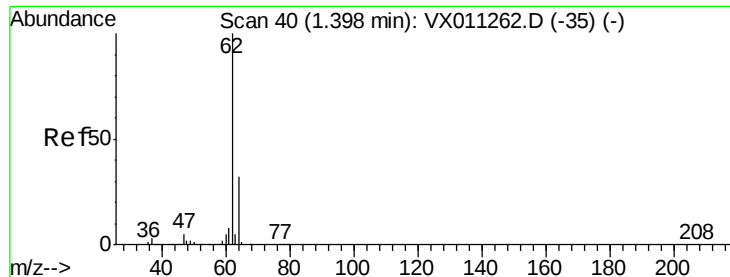
200

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_X

ClientSampled :

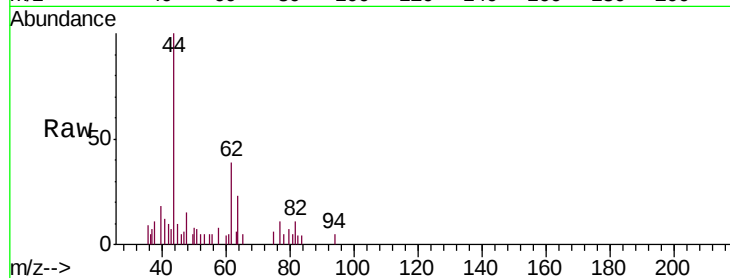
Z3-0682

Tgt Ion: 62 Resp: 517

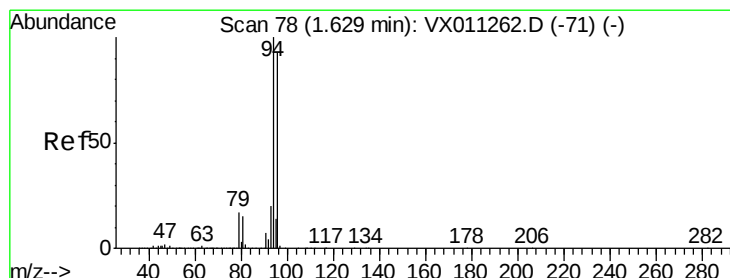
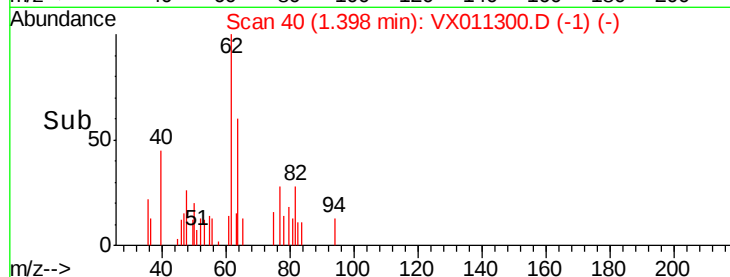
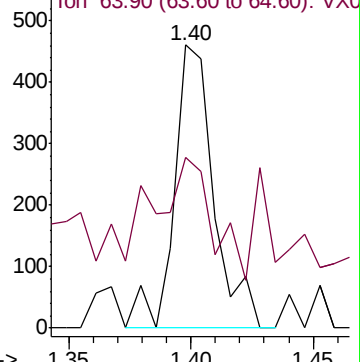
Ion Ratio Lower Upper

62 100

64 37.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0



#5

Bromomethane

Concen: 0.600 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011300.D

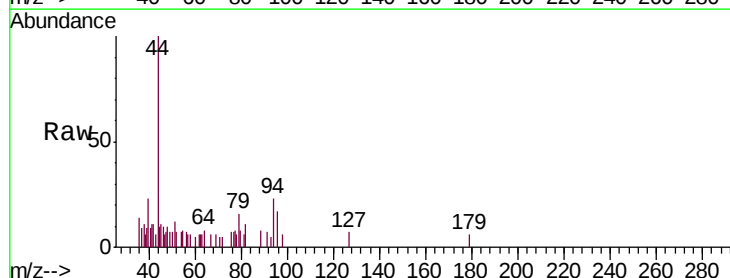
Acq: 02 Aug 2019 13:23

Tgt Ion: 94 Resp: 611

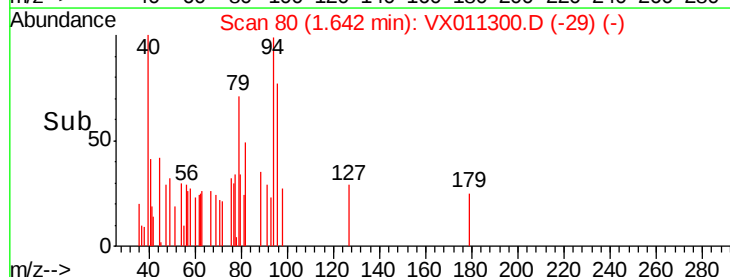
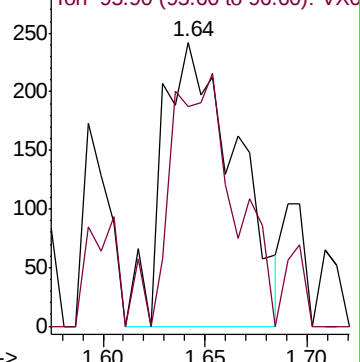
Ion Ratio Lower Upper

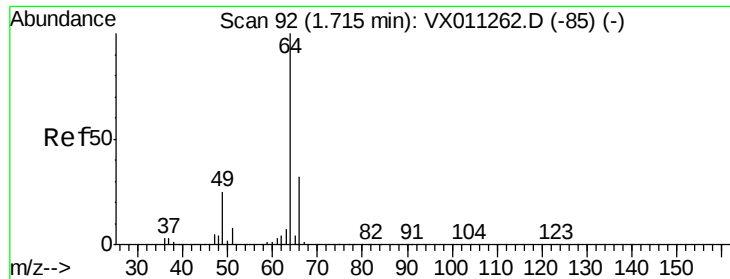
94 100

96 77.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0





#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_X

ClientSampleId :

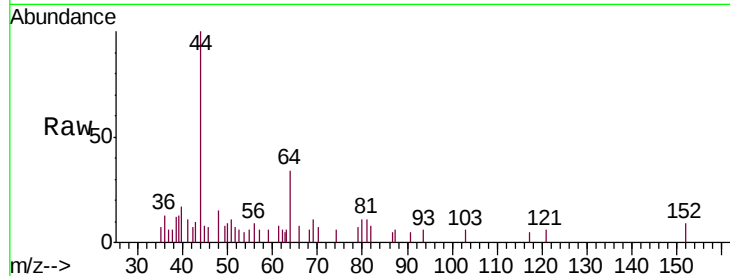
Z3-0682

Tgt Ion: 64 Resp: 107

Ion Ratio Lower Upper

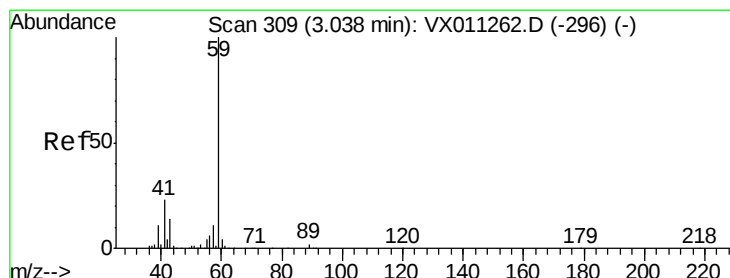
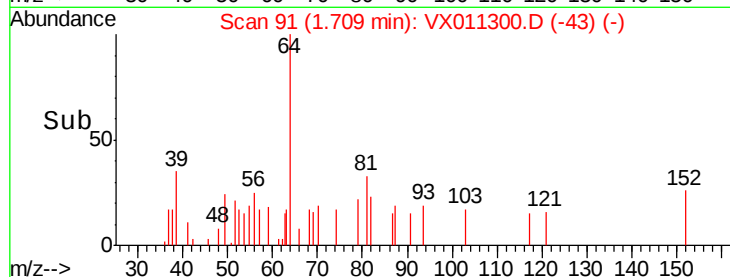
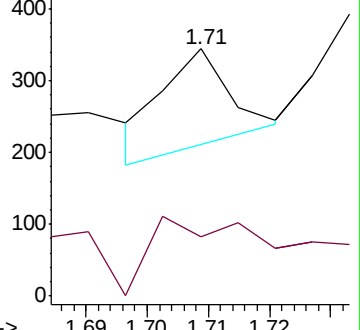
64 100

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



#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

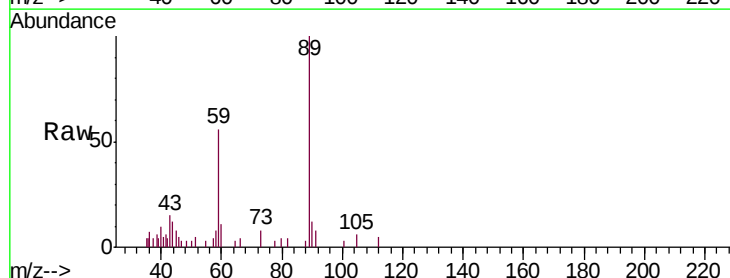
Acq: 02 Aug 2019 13:23

Tgt Ion: 59 Resp: 2359

Ion Ratio Lower Upper

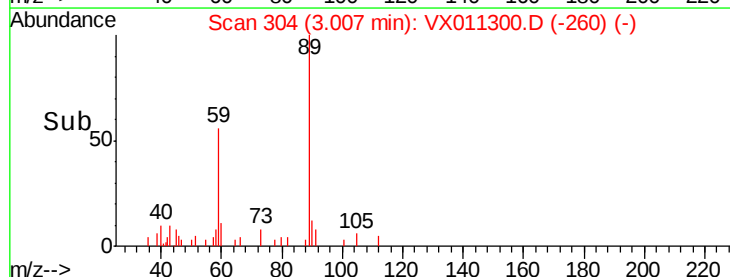
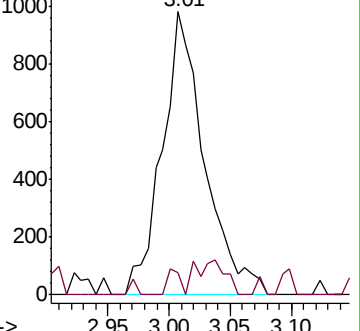
59 100

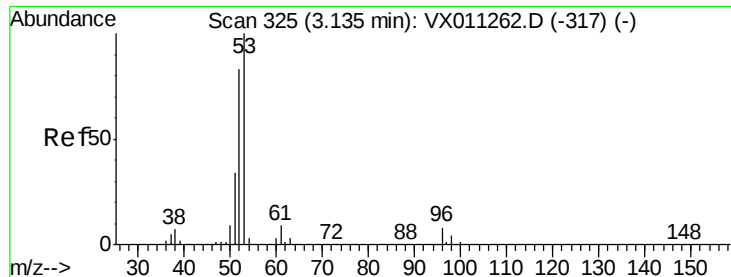
57 2.6 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#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_X

ClientSampled :

Z3-0682

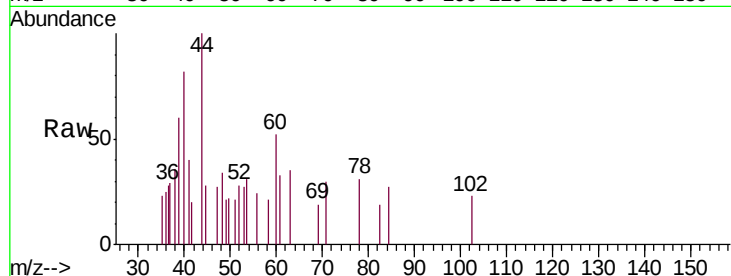
Tgt Ion: 53 Resp: 222

Ion Ratio Lower Upper

53 100

52 85.1 65.5 98.3

51 61.7 27.9 41.9#

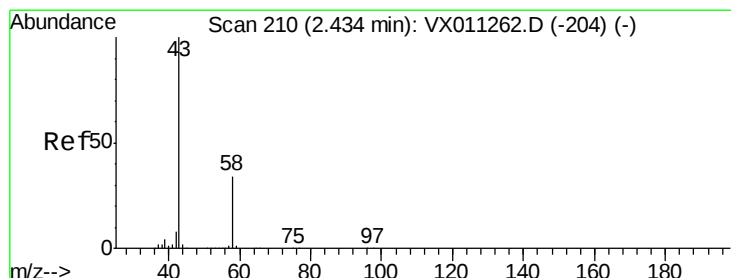
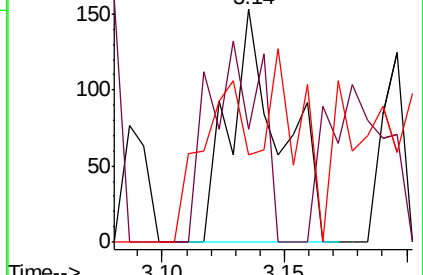
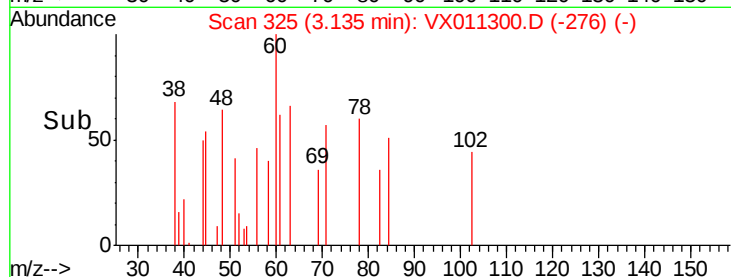


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Time-->



#16

Acetone

Concen: 0.932 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011300.D

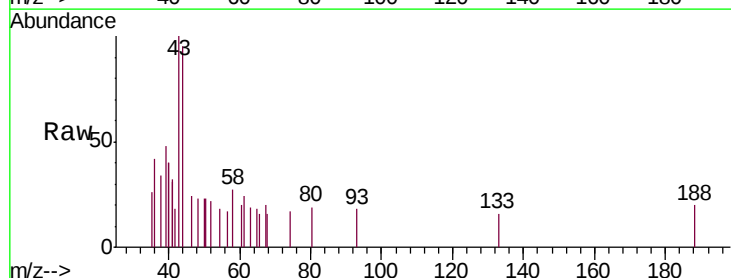
Acq: 02 Aug 2019 13:23

Tgt Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

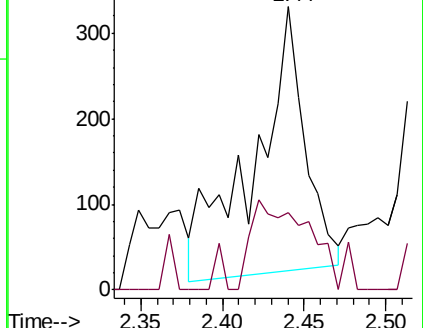
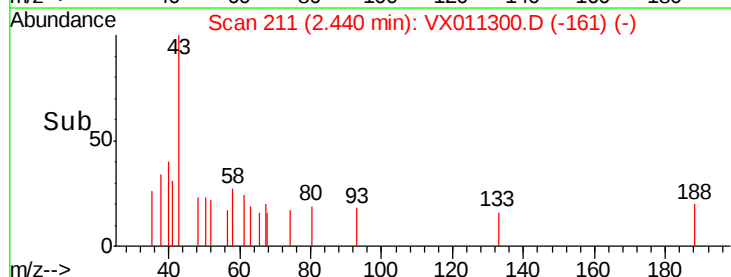
58 32.1 27.4 41.0

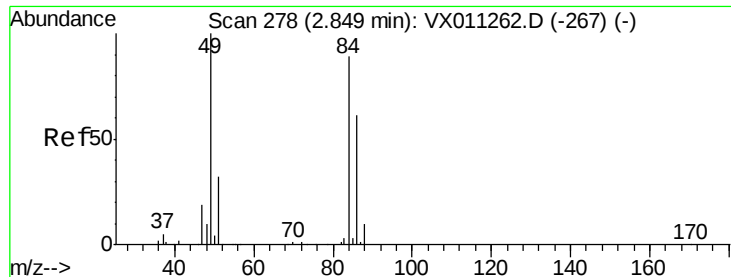


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->





#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_X

ClientSampled :

Z3-0682

Tgt Ion: 84 Resp: 412

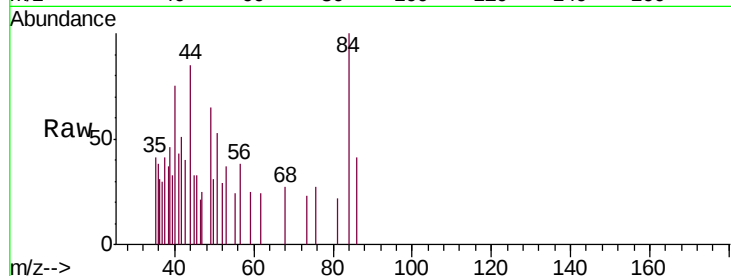
Ion Ratio Lower Upper

84 100

49 39.4 89.3 133.9#

51 52.7 28.3 42.5#

86 41.1 54.5 81.7#

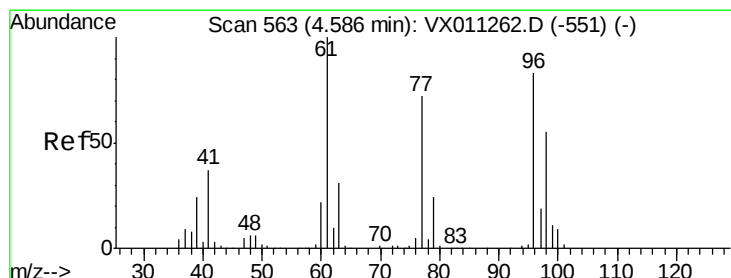
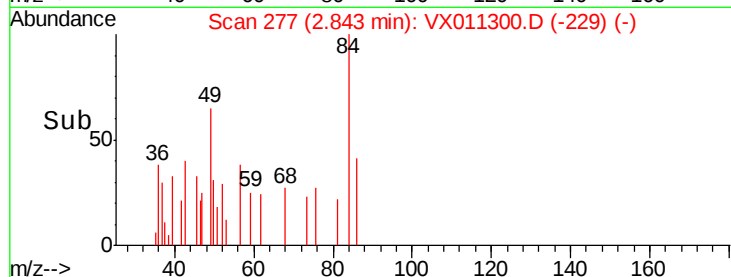
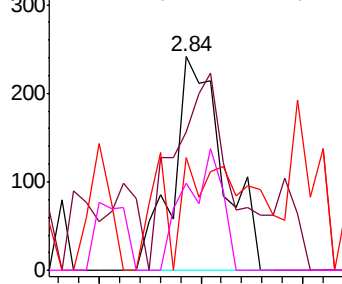


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#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

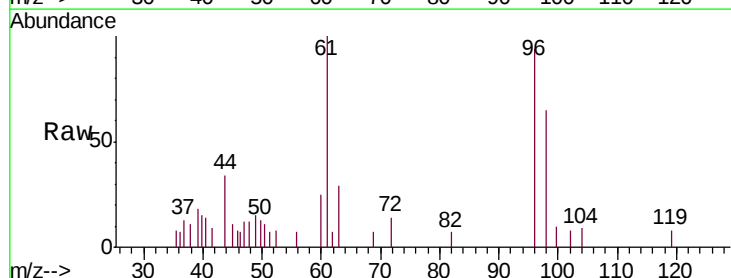
Tgt Ion: 96 Resp: 1760

Ion Ratio Lower Upper

96 100

61 120.2 0.0 260.2

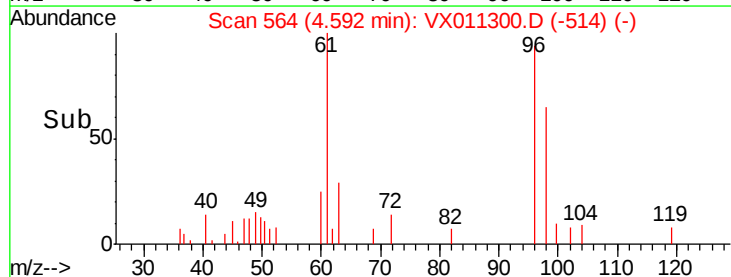
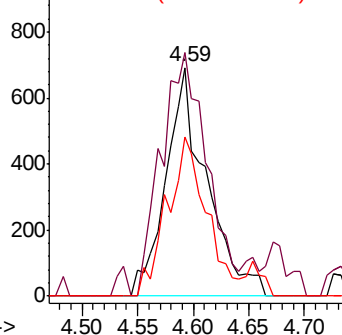
98 67.4 0.0 133.2

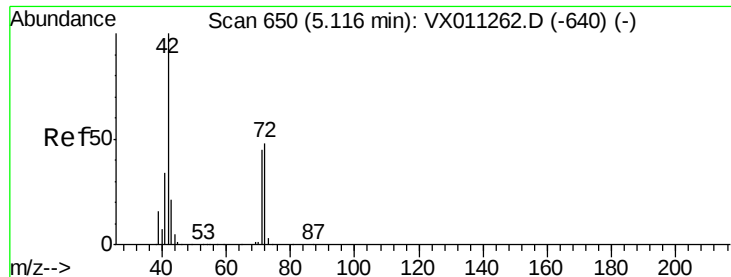


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

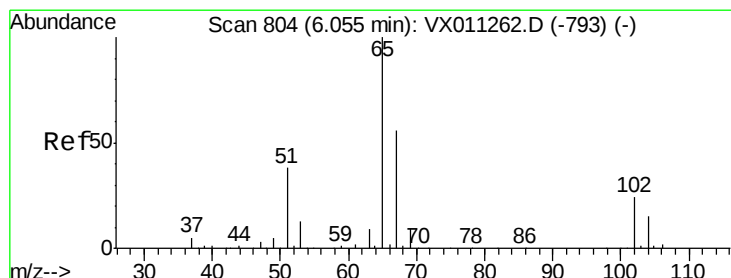
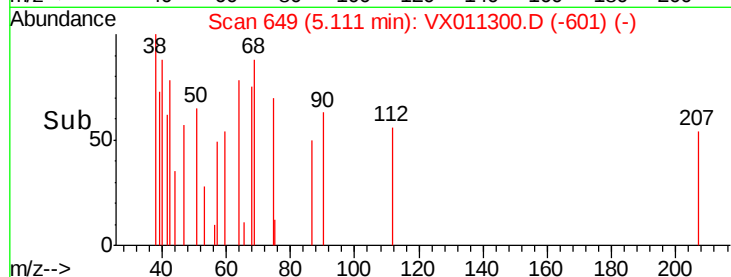
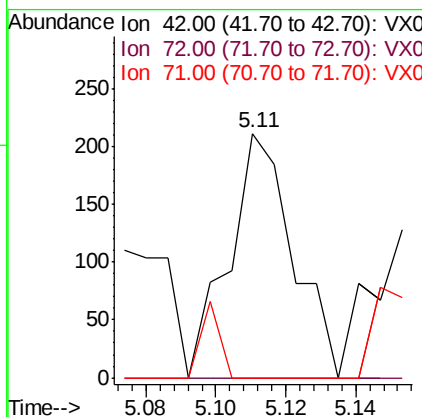
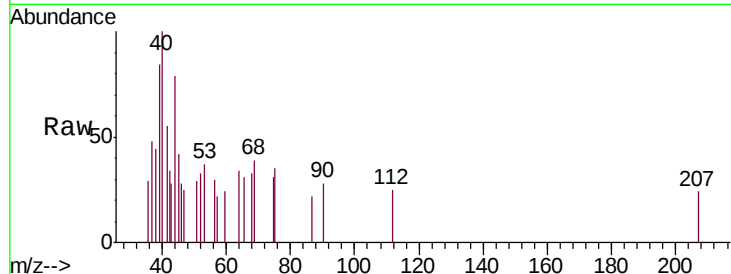




#29
Tetrahydrofuran
Concen: 0.430 ug/l
RT: 5.11 min Scan# 649
Delta R.T. -0.01 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

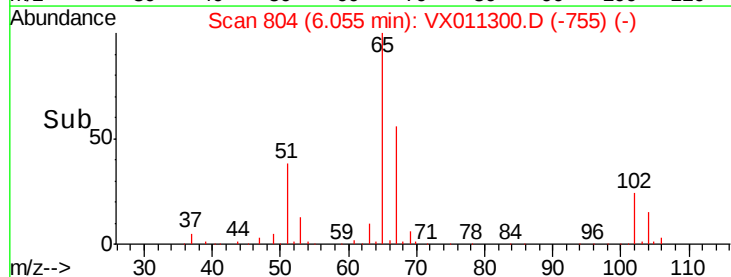
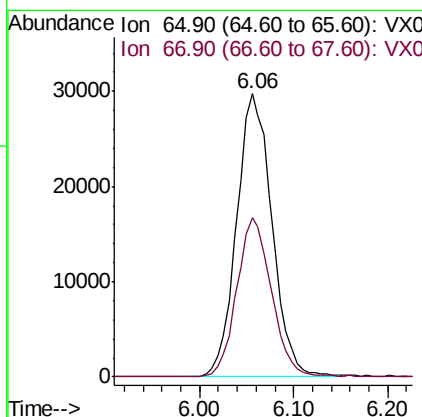
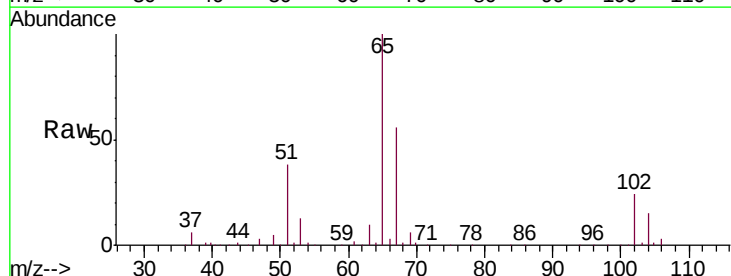
Instrument :
MSVOA_X
ClientSampled :
Z3-0682

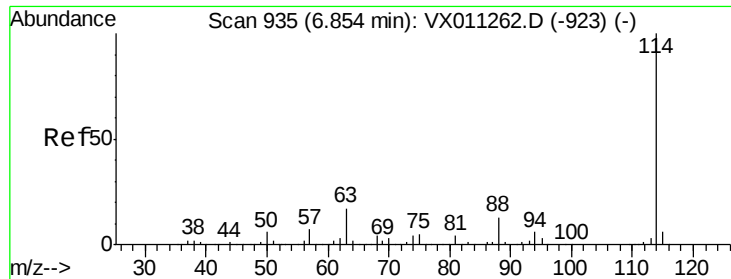
Tgt Ion: 42 Resp: 269
Ion Ratio Lower Upper
42 100
72 0.0 39.9 59.9#
71 8.9 36.9 55.3#



#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

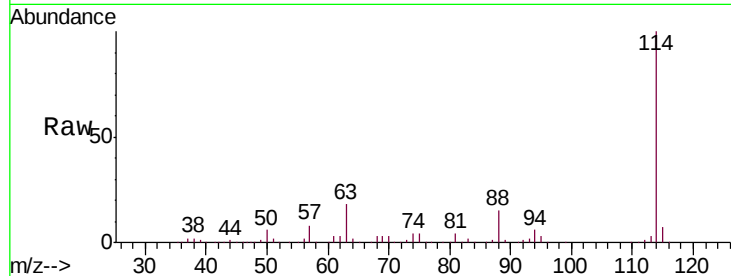
Instrument :

MSVOA_X

ClientSampleId :

Z3-0682

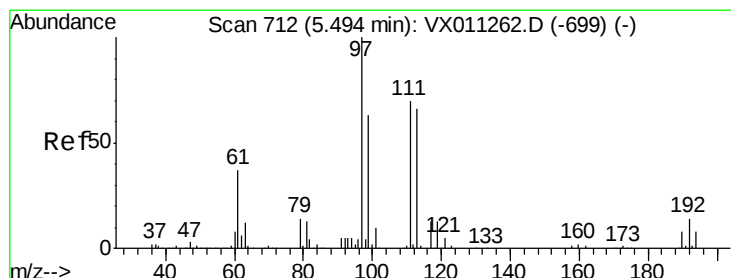
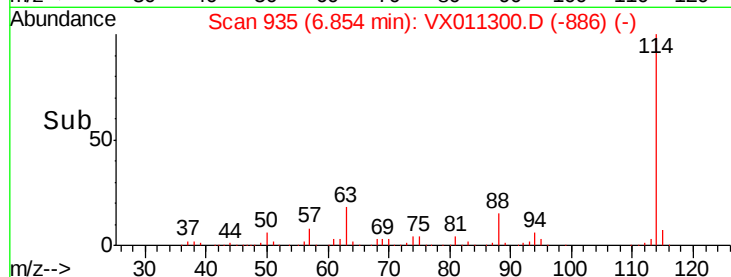
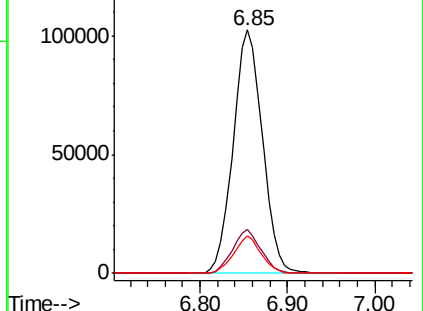
Tgt Ion:	114	Resp:	238491
Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	34.0
88	15.4	0.0	26.4



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

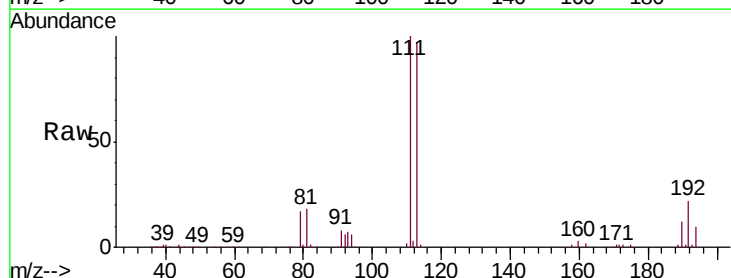
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011300.D

Acq: 02 Aug 2019 13:23

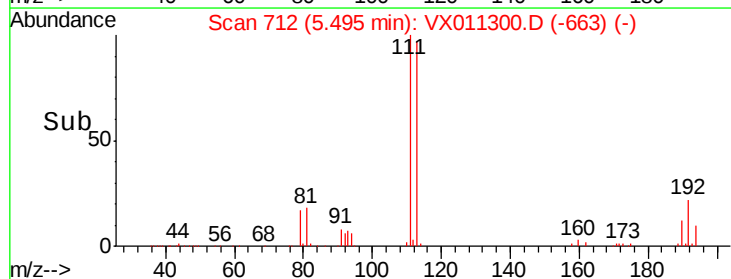
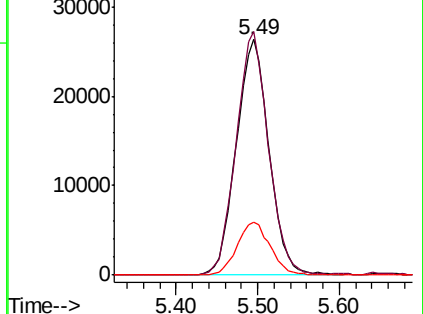
Tgt Ion:	113	Resp:	73187
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	22.6	17.8	26.8

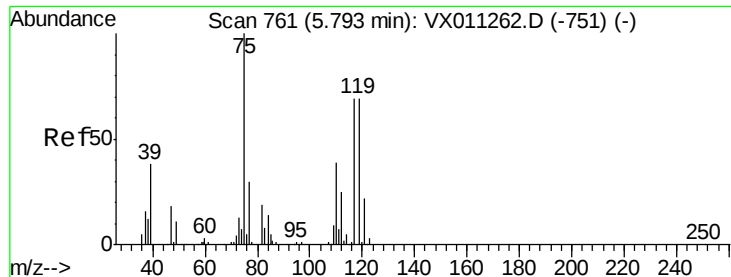


Abundance Ion 112.80 (112.50 to 113.50): V

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_X

ClientSampleId :

Z3-0682

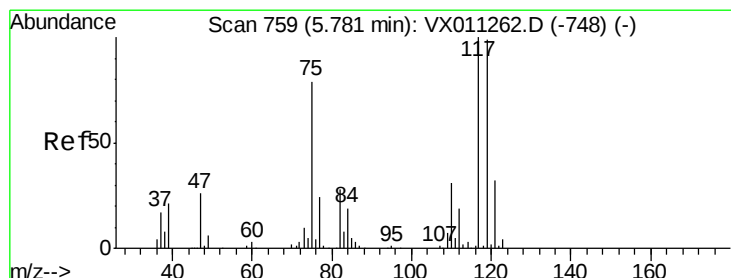
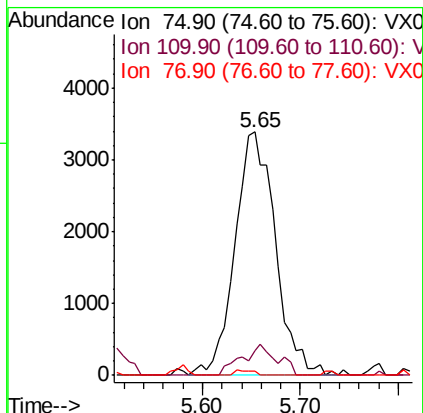
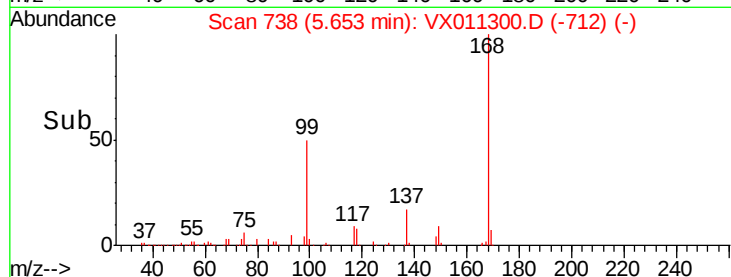
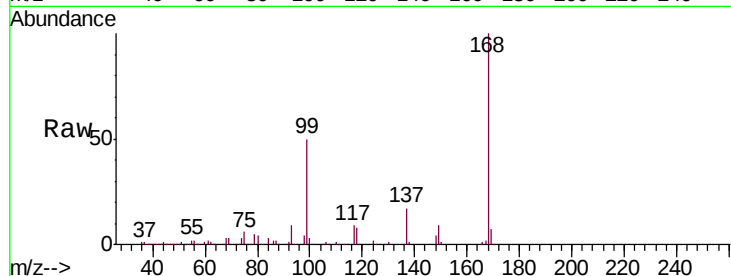
Tgt Ion: 75 Resp: 9709

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

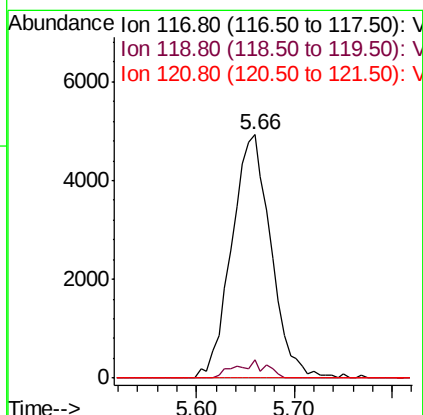
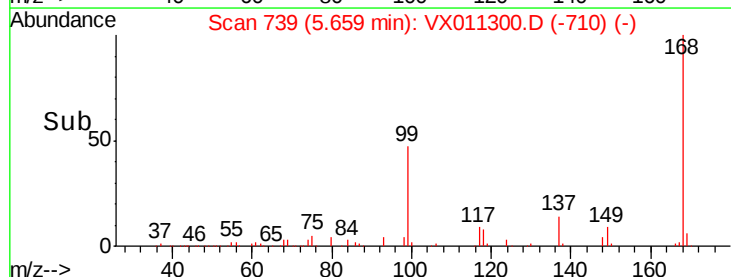
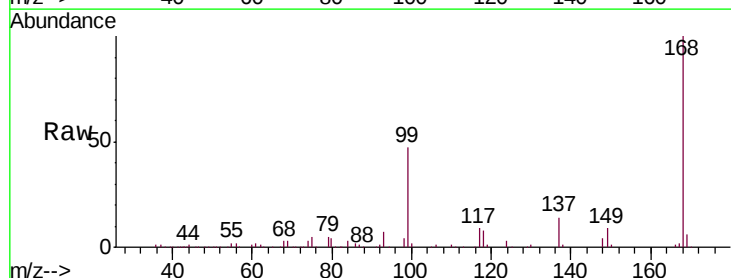
Tgt Ion: 117 Resp: 13715

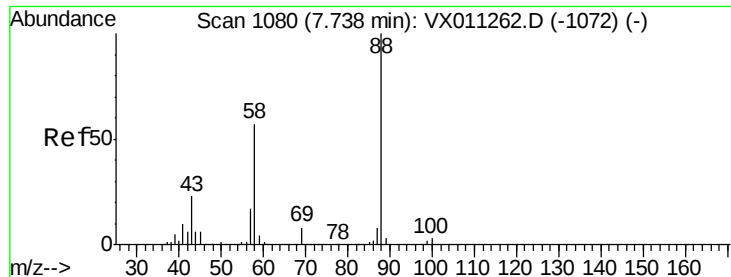
Ion Ratio Lower Upper

117 100

119 7.5 79.0 118.4#

121 0.0 25.9 38.9#

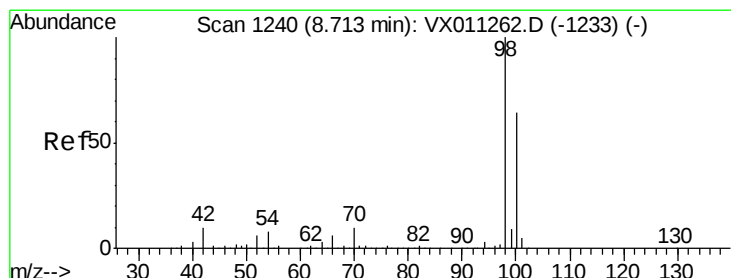
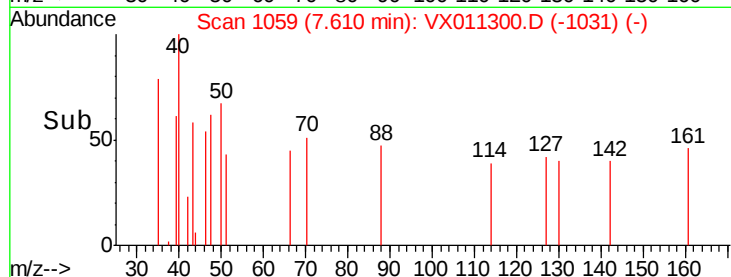
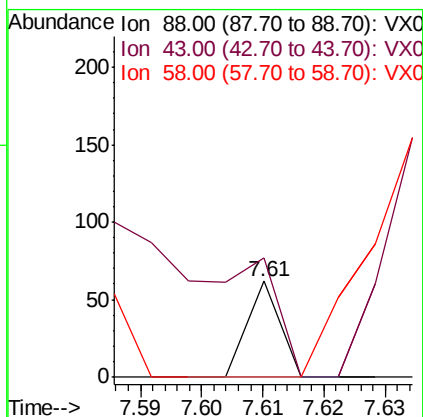
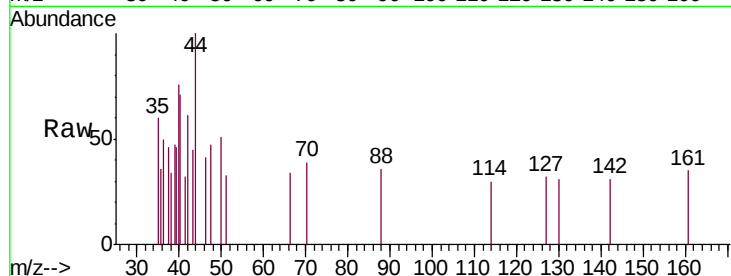




#49
1,4-Dioxane
Concen: 0.505 ug/l
RT: 7.61 min Scan# 1059
Delta R.T. -0.13 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

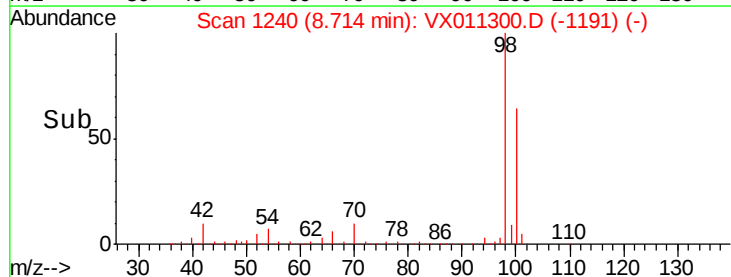
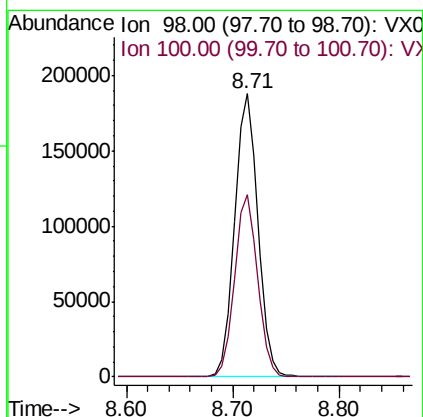
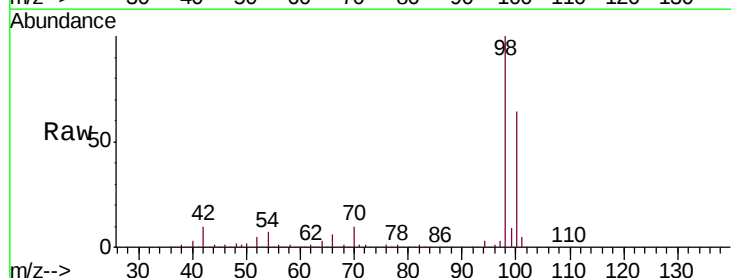
Instrument :
MSVOA_X
ClientSampleId :
Z3-0682

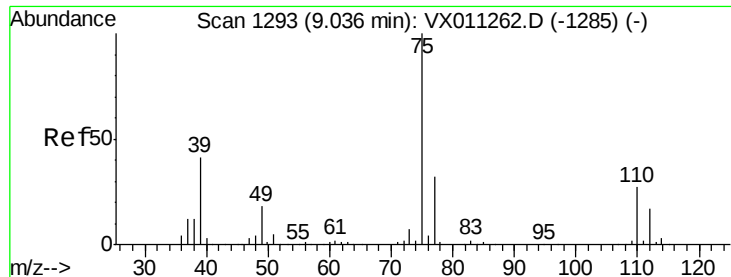
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 47.8 71.8#



#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_X

ClientSampleId :

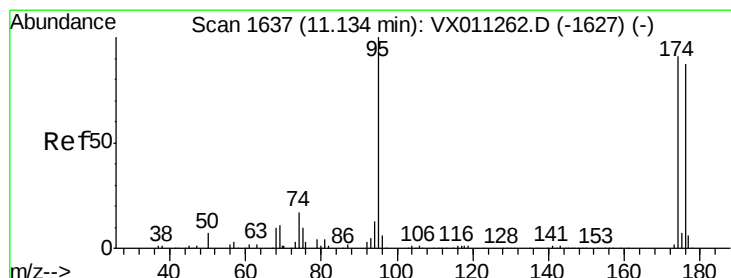
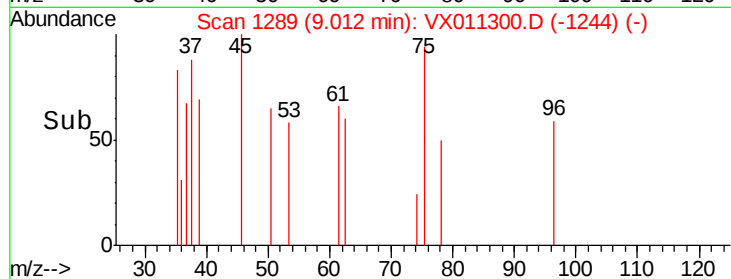
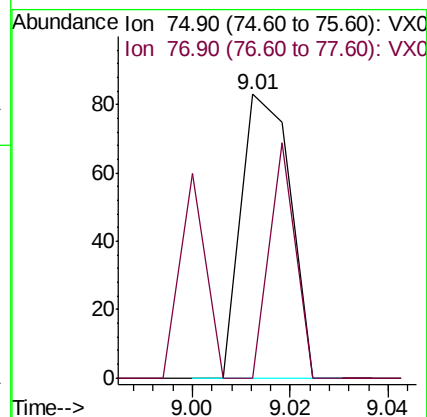
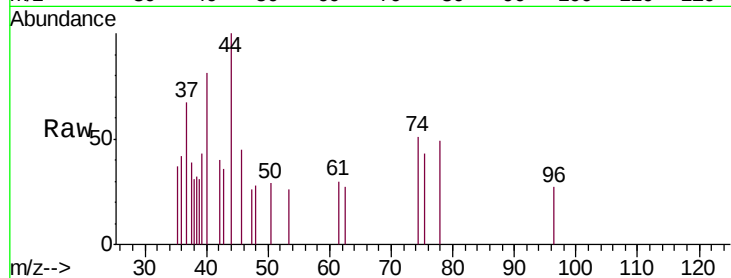
Z3-0682

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

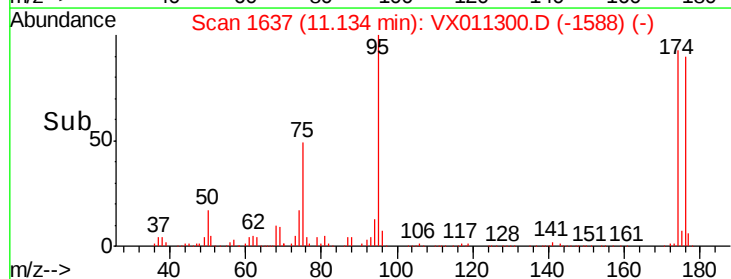
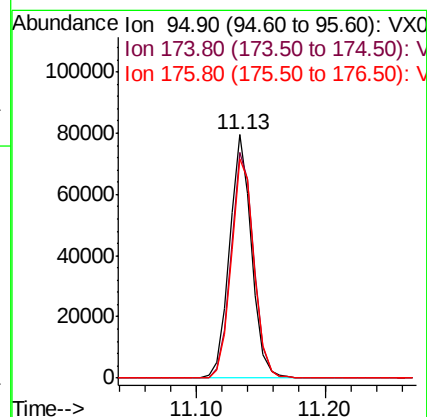
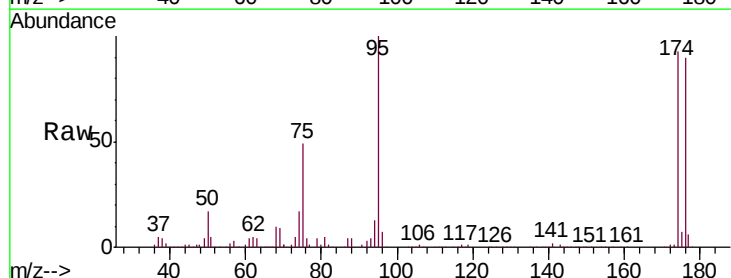
Tgt Ion: 95 Resp: 95570

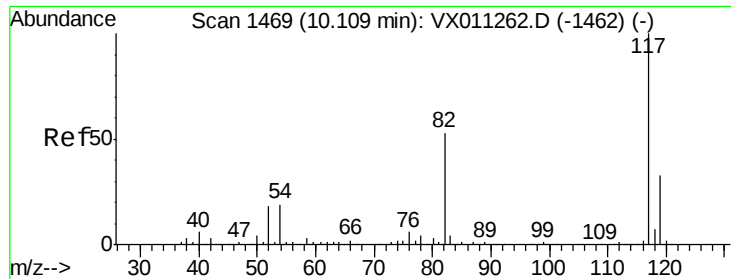
Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.2

176 93.2 0.0 184.8

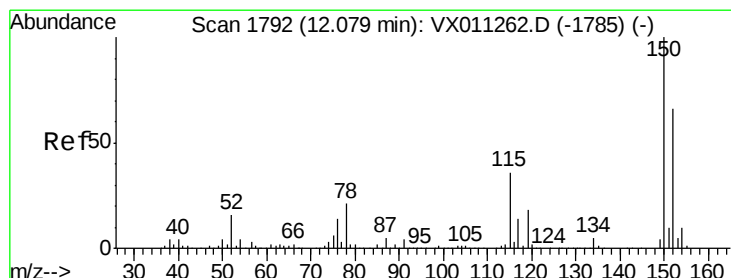
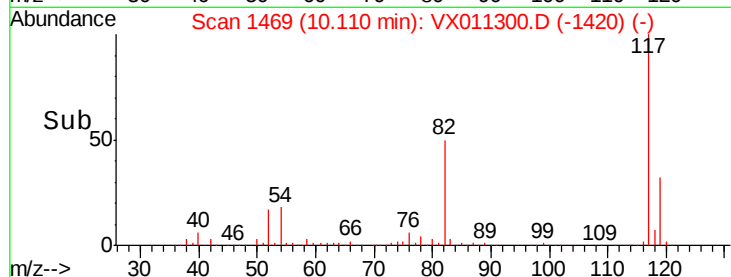
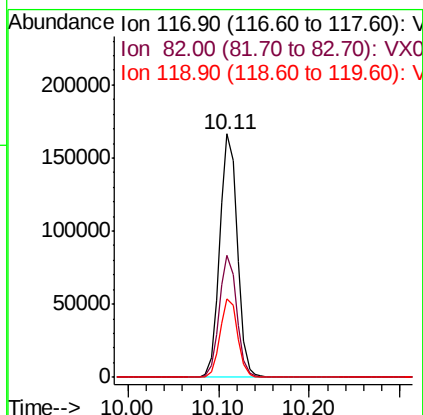
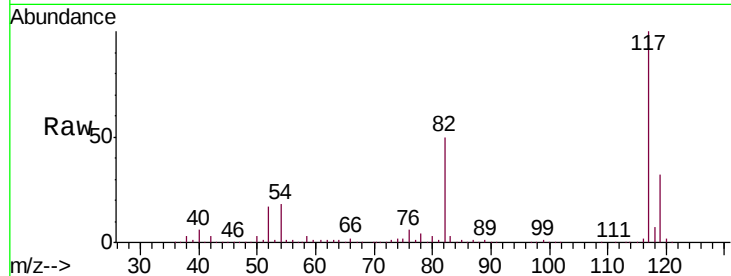




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011300.D
Acq: 02 Aug 2019 13:23

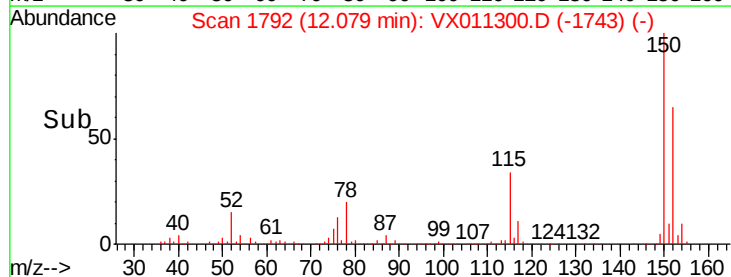
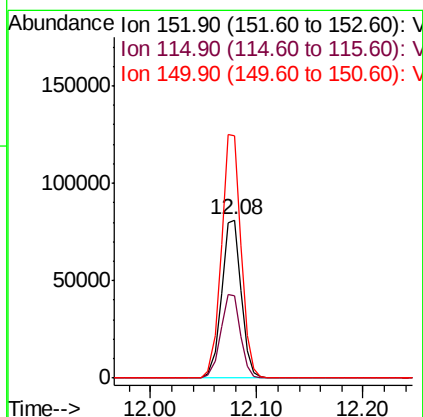
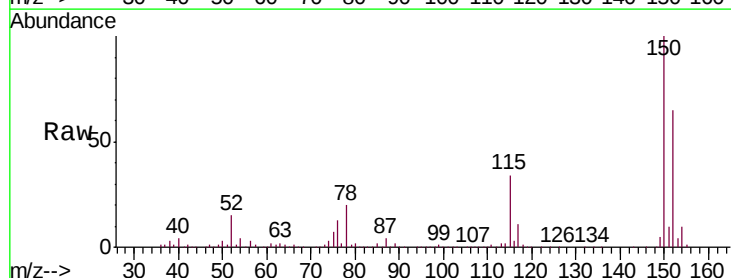
Instrument :
MSVOA_X
ClientSampled :
Z3-0682

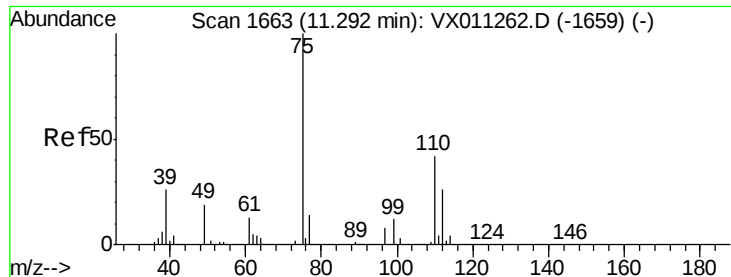
Tgt Ion:117 Resp: 226105
Ion Ratio Lower Upper
117 100
82 50.2 42.2 63.2
119 32.3 26.6 39.8



#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

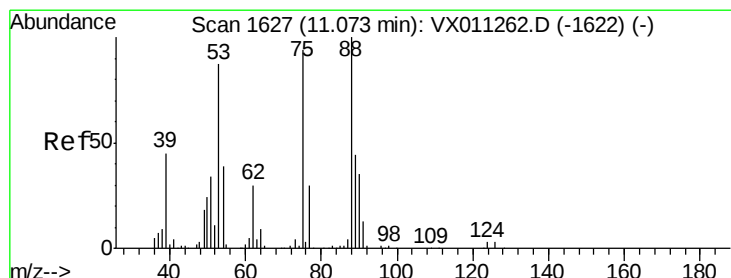
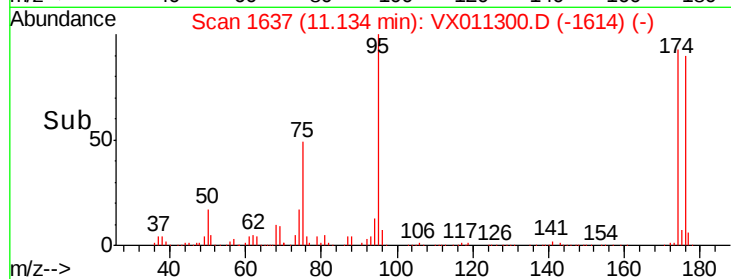
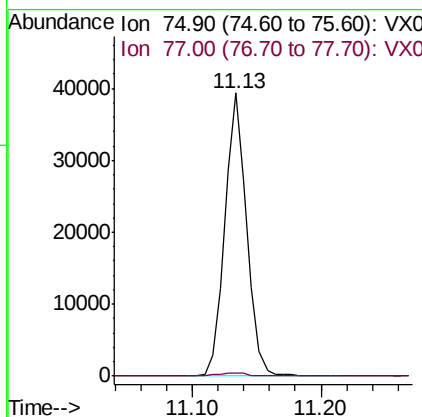
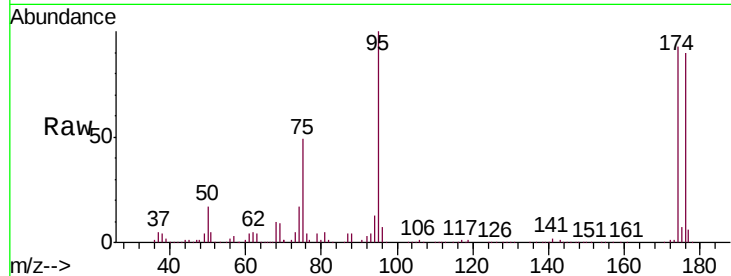




#76
 1,2,3-Trichloropropane
 Concen: 24.872 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011300.D
 Acq: 02 Aug 2019 13:23

Instrument :
 MSVOA_X
 ClientSampled :
 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#

