

Data File : VX011314.D
Acq On : 02 Aug 2019 18:50
Operator : JC/SP
Sample : K4119-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z3-0711

Quant Time: Aug 03 05:46:15 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	142902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231656	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	218410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99181	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	76442	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	5.49	113	73226	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	8.71	98	279705	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.13	95	94084	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	

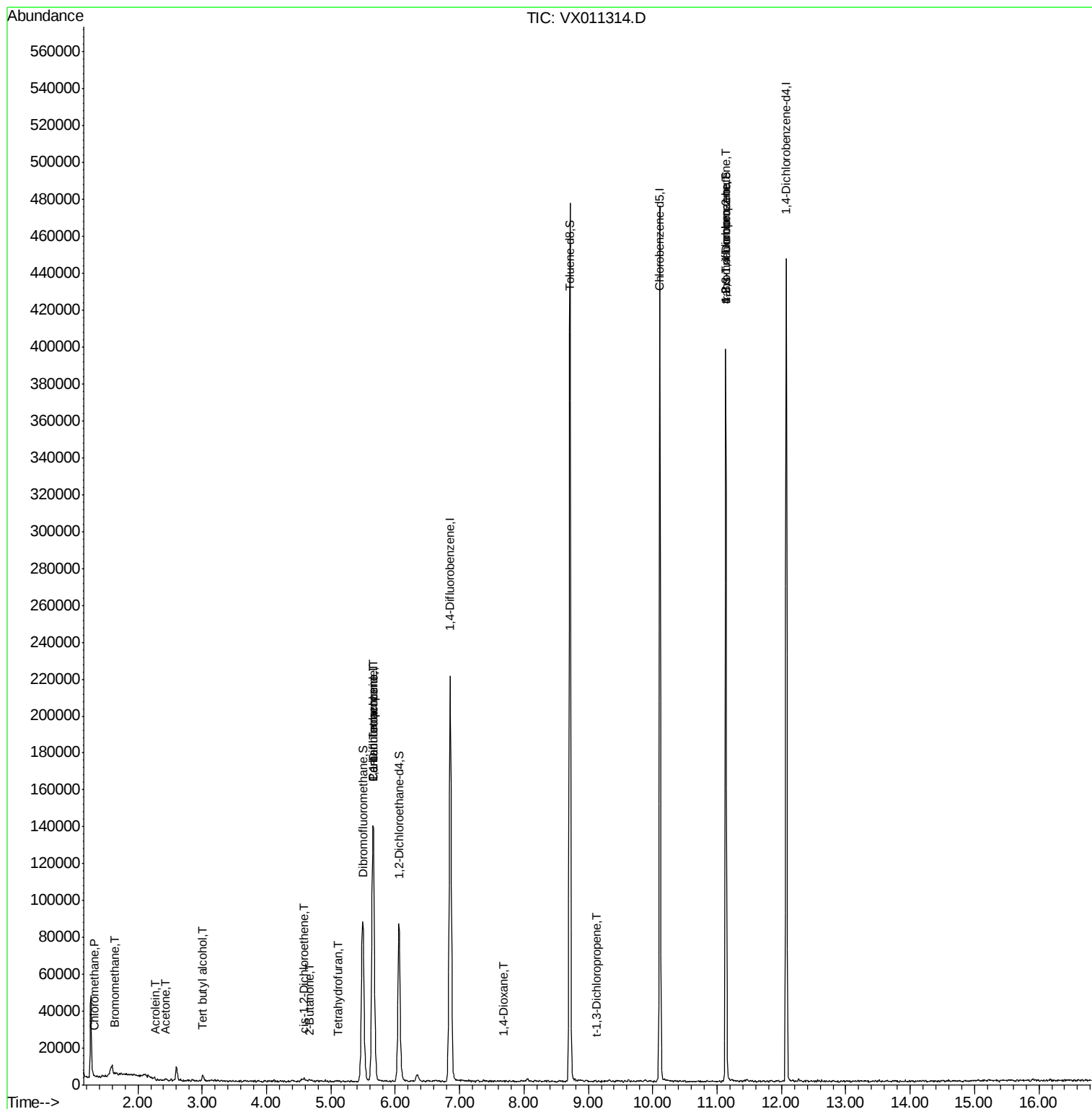
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	420	0.339	ug/l #	36
5) Bromomethane	1.64	94	508	0.522	ug/l #	80
6) Chloroethane	1.71	64	338	Below Cal	#	53
11) Tert butyl alcohol	3.01	59	1675	5.859	ug/l #	76
13) Acrolein	2.28	56	130	0.307	ug/l #	15
16) Acetone	2.43	43	1385	2.022	ug/l #	87
25) 2-Butanone	4.66	43	232	0.238	ug/l #	64
27) cis-1,2-Dichloroethene	4.59	96	582	0.367	ug/l	49
29) Tetrahydrofuran	5.12	42	342	0.572	ug/l #	37
36) 1,1-Dichloropropene	5.65	75	9388	4.642	ug/l #	50
38) Carbon Tetrachloride	5.65	117	13065	6.421	ug/l #	14
49) 1,4-Dioxane	7.68	88	53	1.198	ug/l #	1
53) t-1,3-Dichloropropene	9.13	75	21	2.847	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	46535	25.764	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	46535	67.095	ug/l #	10

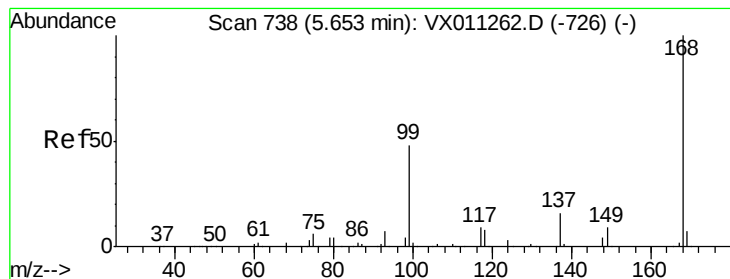
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011314.D

Acq: 02 Aug 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

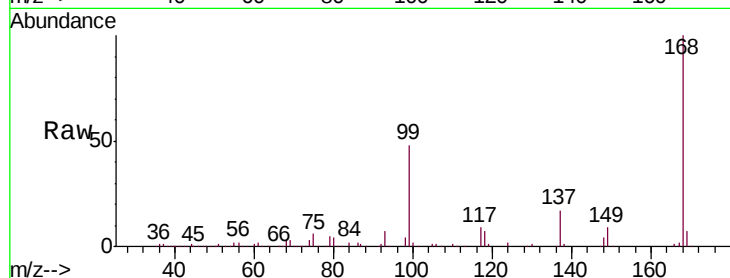
Z3-0711

Tgt Ion:168 Resp: 142902

Ion Ratio Lower Upper

168 100

99 47.7 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

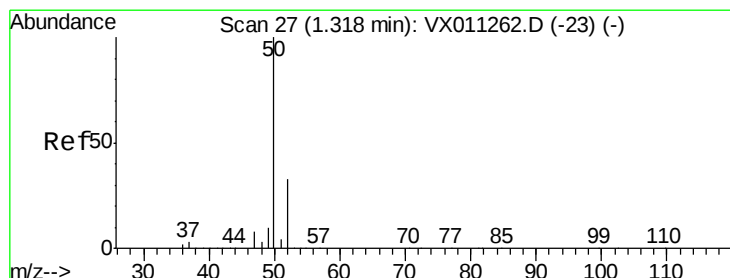
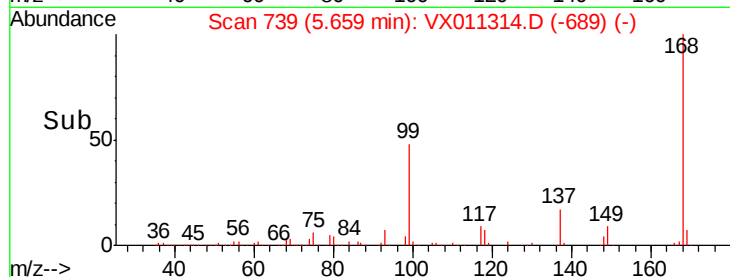
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.339 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011314.D

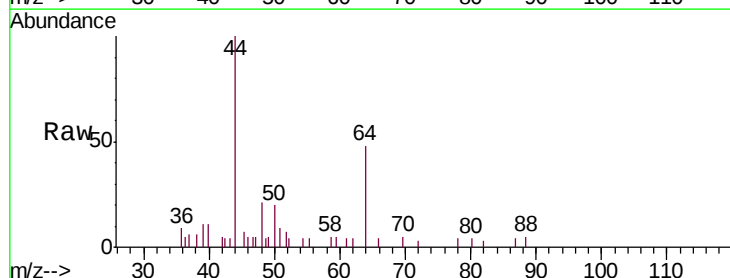
Acq: 02 Aug 2019 18:50

Tgt Ion: 50 Resp: 420

Ion Ratio Lower Upper

50 100

52 69.4 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

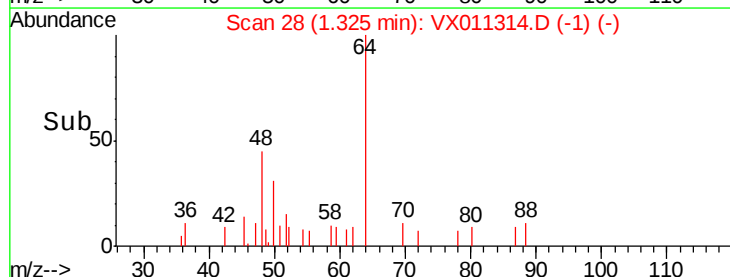
200

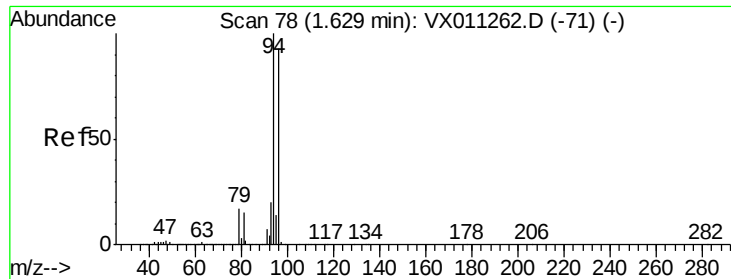
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.522 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011314.D

Acq: 02 Aug 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

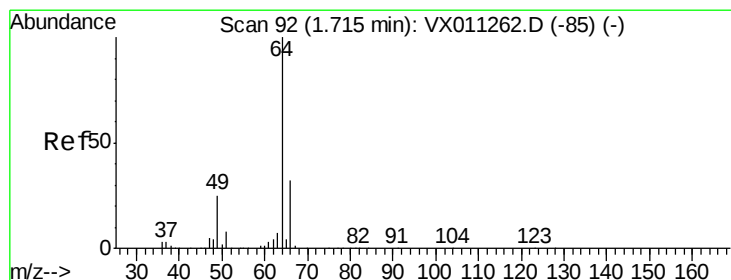
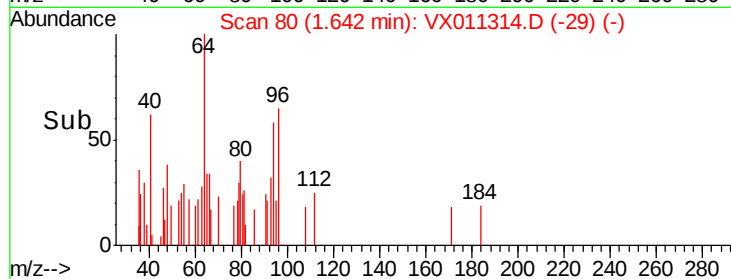
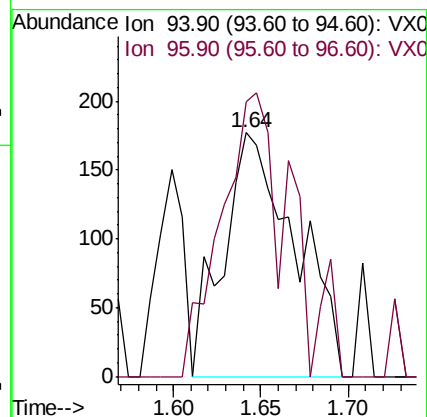
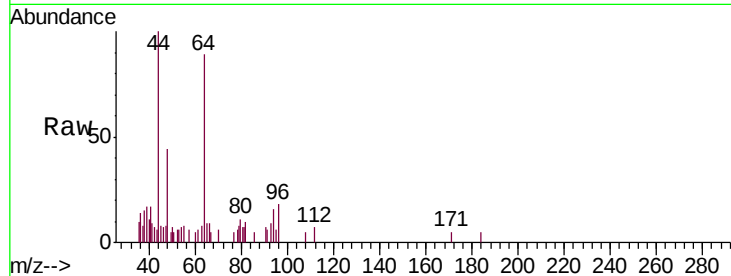
Z3-0711

Tgt Ion: 94 Resp: 508

Ion Ratio Lower Upper

94 100

96 113.0 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011314.D

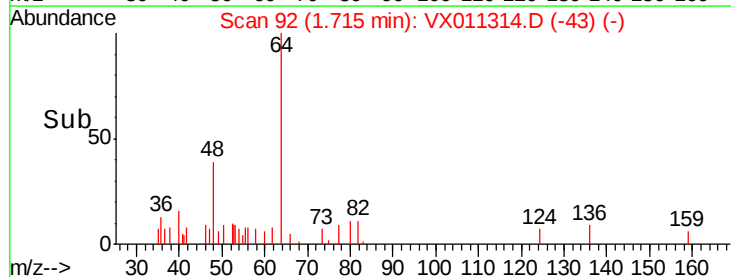
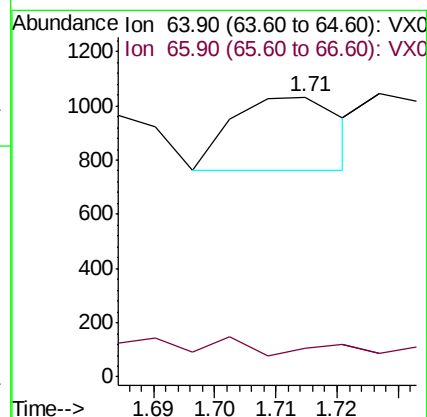
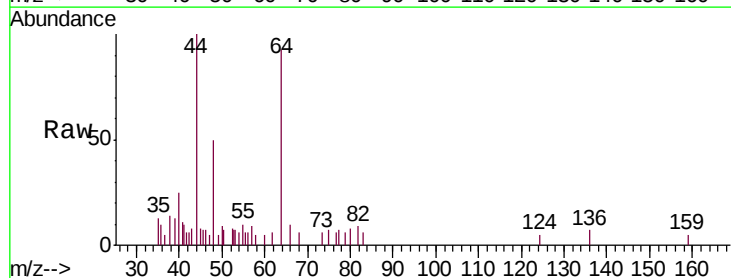
Acq: 02 Aug 2019 18:50

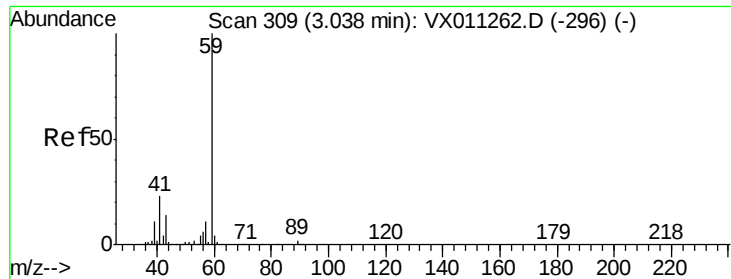
Tgt Ion: 64 Resp: 338

Ion Ratio Lower Upper

64 100

66 5.5 25.1 37.7#

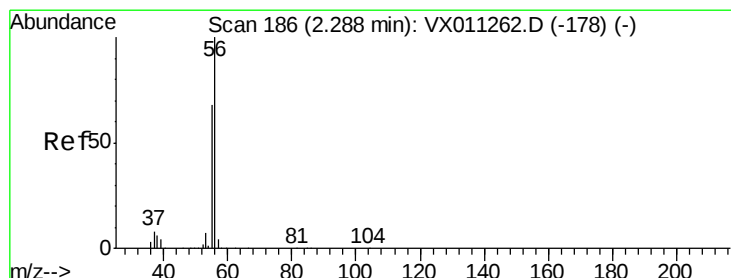
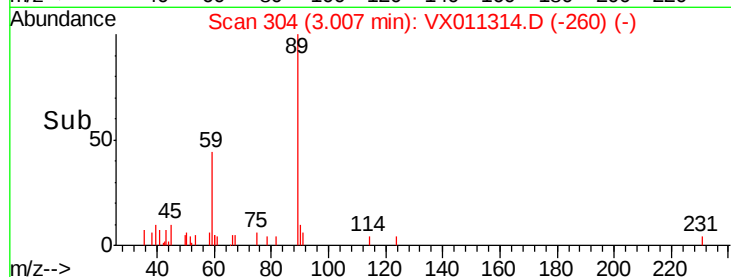
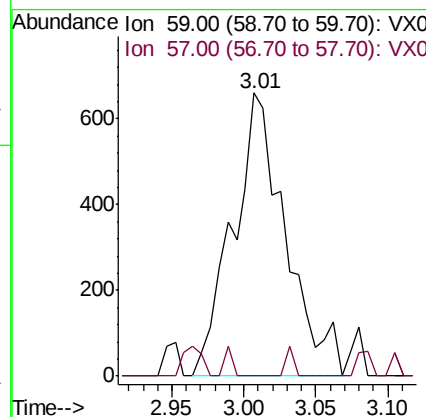
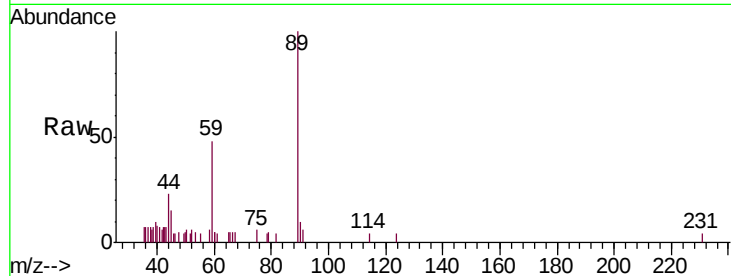




#11
Tert butyl alcohol
Concen: 5.859 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011314.D
Acq: 02 Aug 2019 18:50

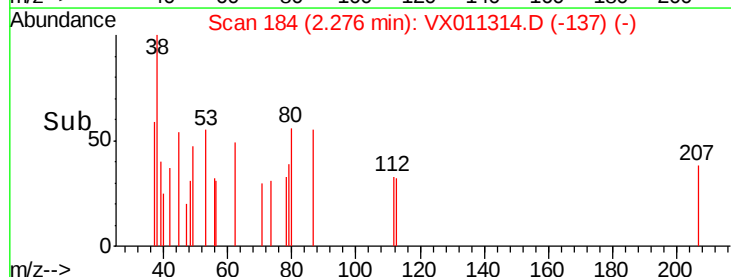
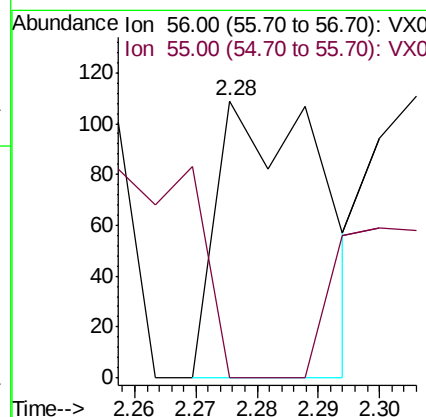
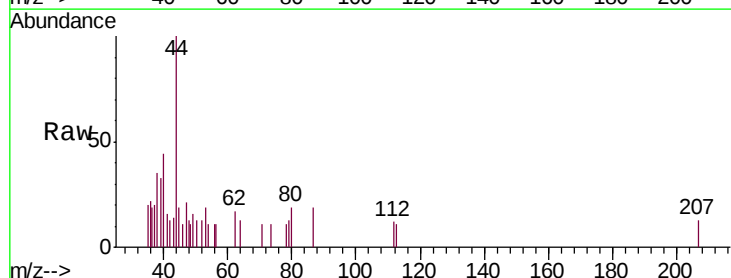
Instrument :
MSVOA_N
ClientSampled :
Z3-0711

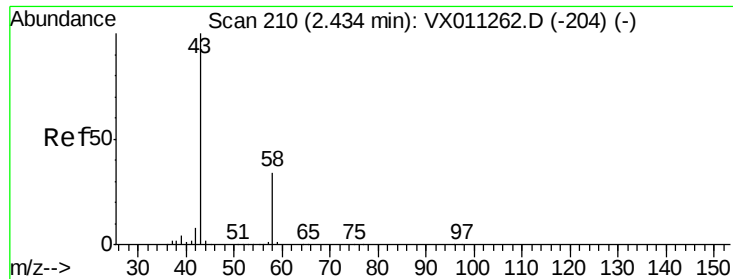
Tgt Ion: 59 Resp: 1675
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#



#13
Acrolein
Concen: 0.307 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011314.D
Acq: 02 Aug 2019 18:50

Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#





#16

Acetone

Concen: 2.022 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011314.D

Acq: 02 Aug 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

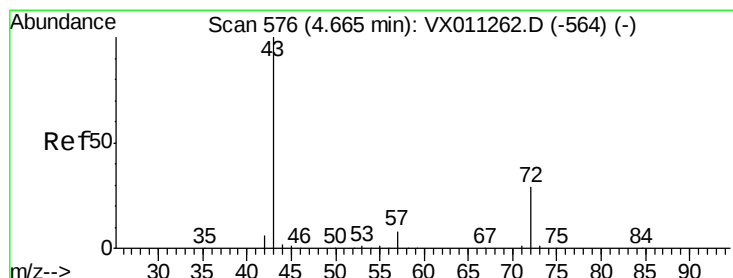
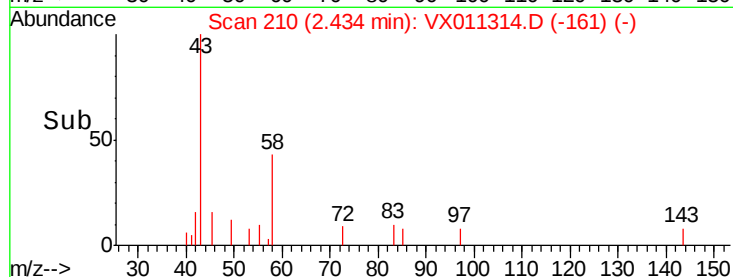
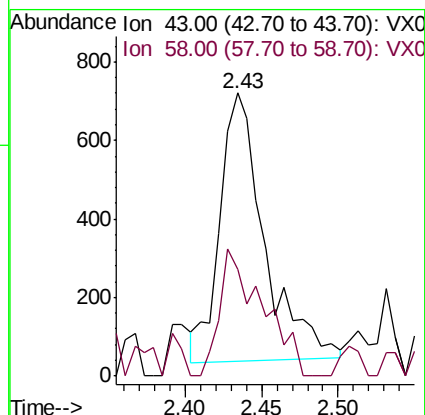
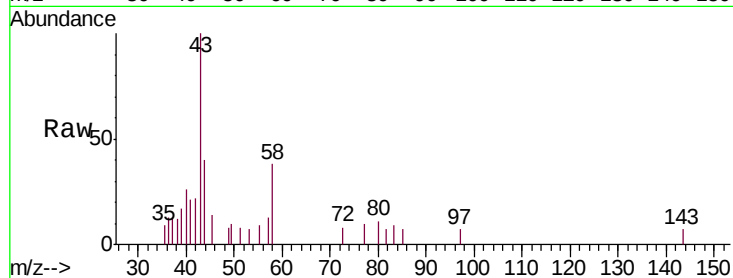
Z3-0711

Tgt Ion: 43 Resp: 1385

Ion Ratio Lower Upper

43 100

58 41.4 27.4 41.0#



#25

2-Butanone

Concen: 0.238 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011314.D

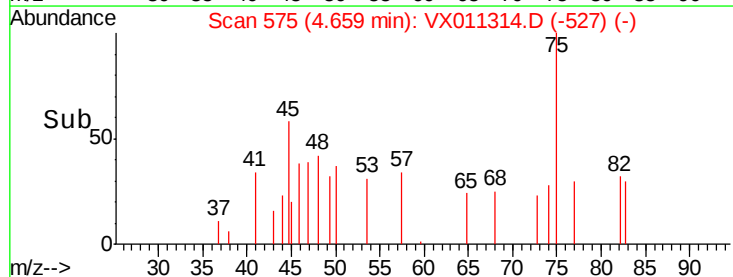
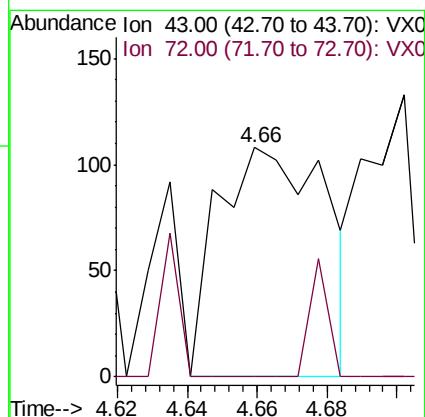
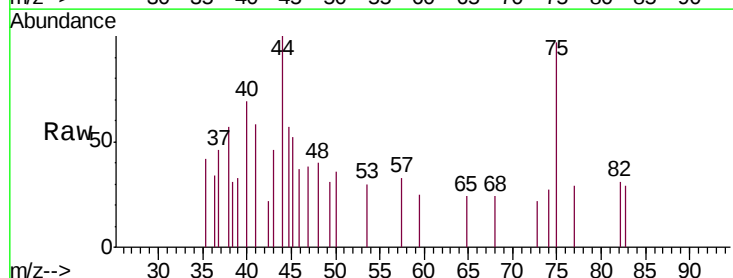
Acq: 02 Aug 2019 18:50

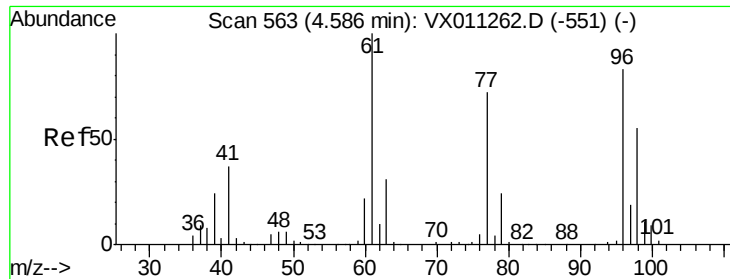
Tgt Ion: 43 Resp: 232

Ion Ratio Lower Upper

43 100

72 48.1 23.2 34.8#



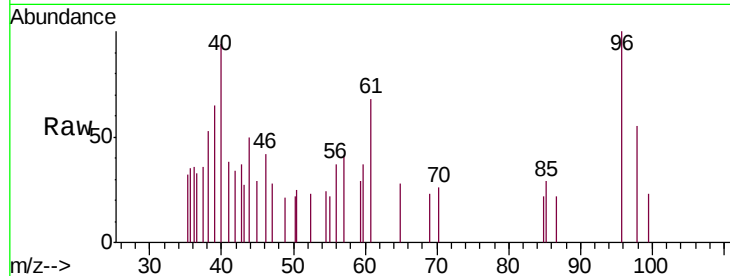


#27

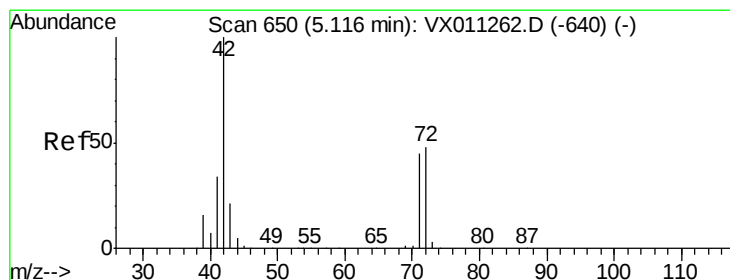
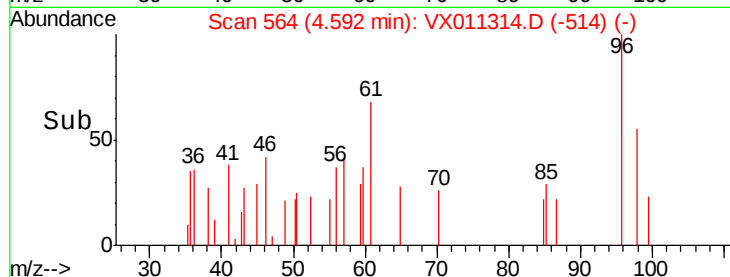
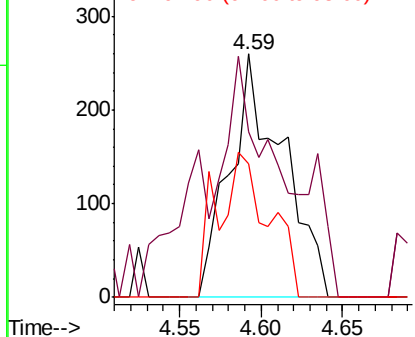
cis-1,2-Dichloroethene
Concen: 0.367 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011314.D
Acq: 02 Aug 2019 18:50

Instrument :
MSVOA_N
ClientSampled :
Z3-0711

Tgt Ion: 96 Resp: 582
Ion Ratio Lower Upper
96 100
61 47.1 0.0 260.2
98 57.4 0.0 133.2



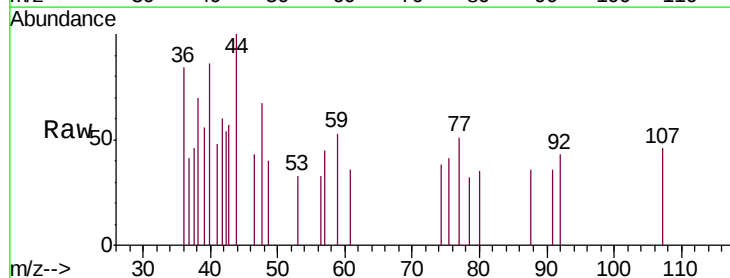
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



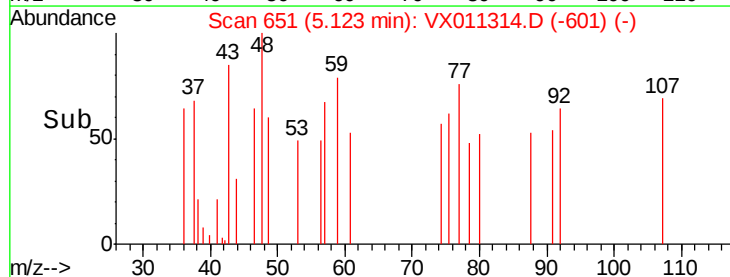
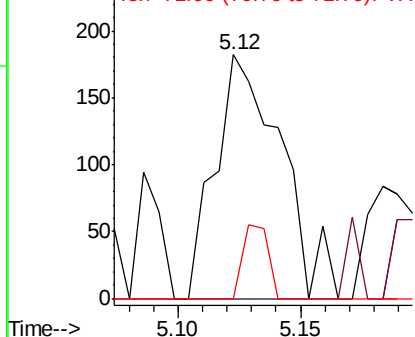
#29

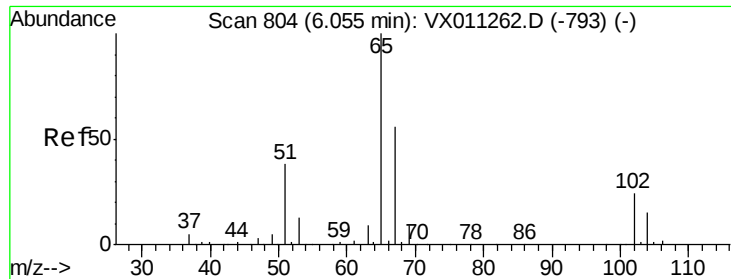
Tetrahydrofuran
Concen: 0.572 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011314.D
Acq: 02 Aug 2019 18:50

Tgt Ion: 42 Resp: 342
Ion Ratio Lower Upper
42 100
72 0.0 39.9 59.9#
71 11.4 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

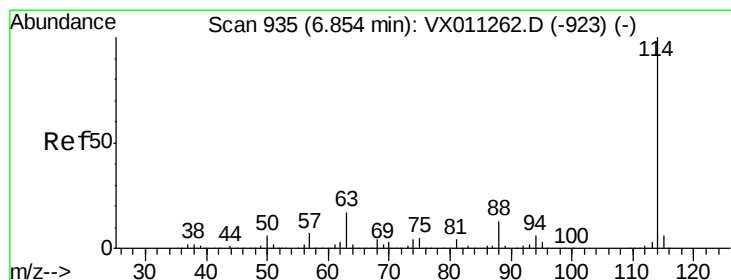
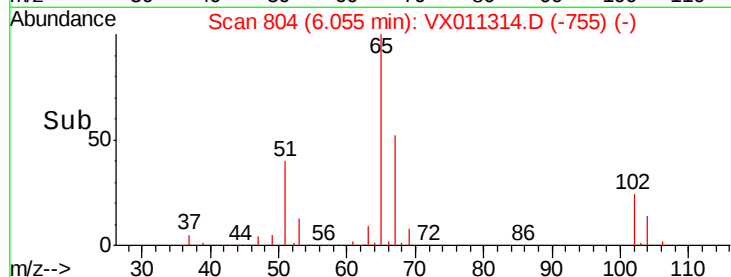
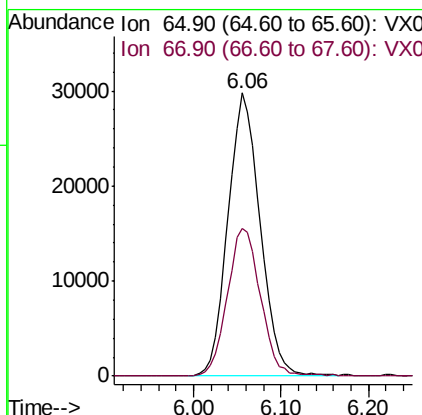
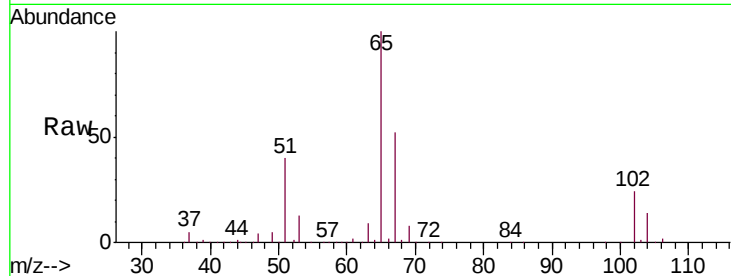




#33
 1,2-Dichloroethane-d4
 Concen: 53.118 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011314.D
 Acq: 02 Aug 2019 18:50

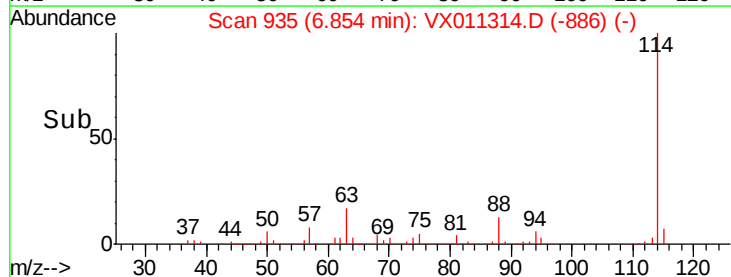
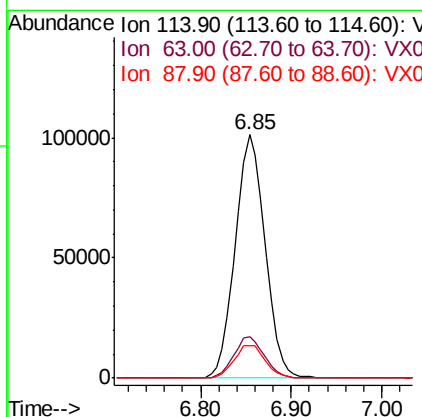
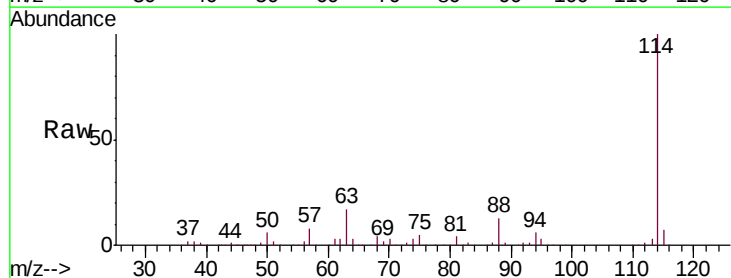
Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0711

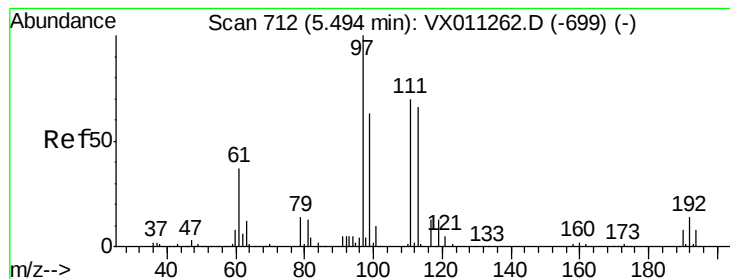
Tgt Ion: 65 Resp: 76442
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011314.D
 Acq: 02 Aug 2019 18:50

Tgt Ion: 114 Resp: 231656
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.0
 88 13.3 0.0 26.4





#35

Dibromofluoromethane

Concen: 48.416 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011314.D

Acq: 02 Aug 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

Z3-0711

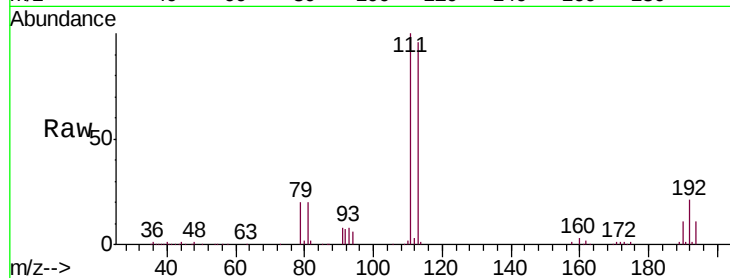
Tgt Ion:113 Resp: 73226

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

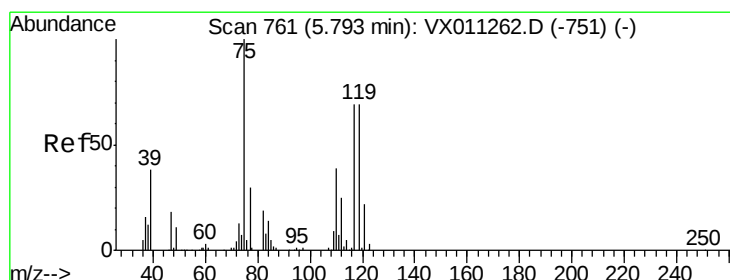
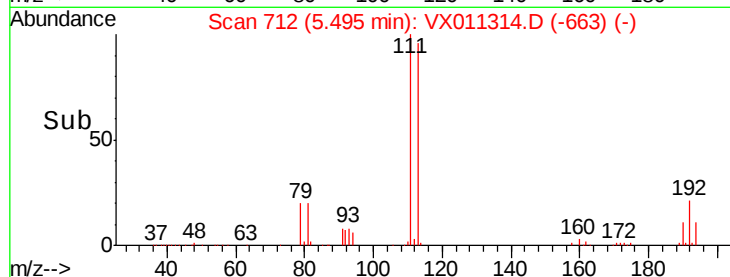
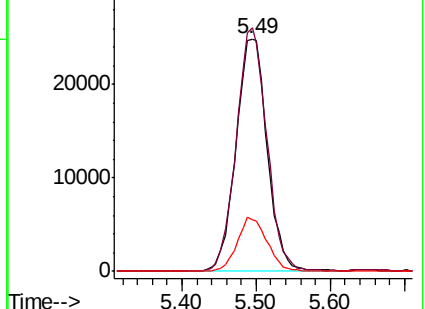
192 22.3 17.8 26.8



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: 4.642 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011314.D

Acq: 02 Aug 2019 18:50

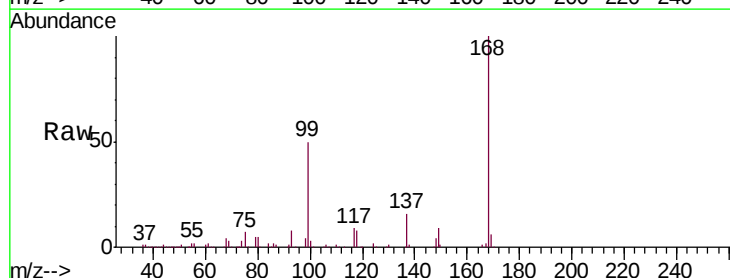
Tgt Ion: 75 Resp: 9388

Ion Ratio Lower Upper

75 100

110 11.7 20.0 59.9#

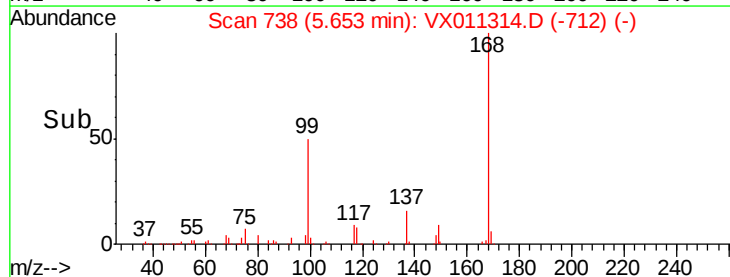
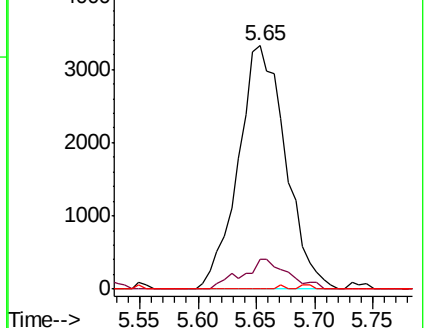
77 0.2 24.8 37.2#

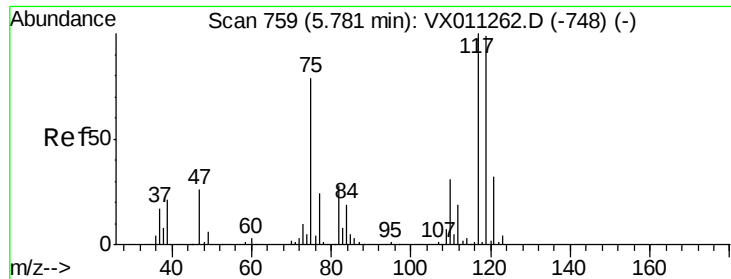


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.421 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011314.D

Acq: 02 Aug 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

Z3-0711

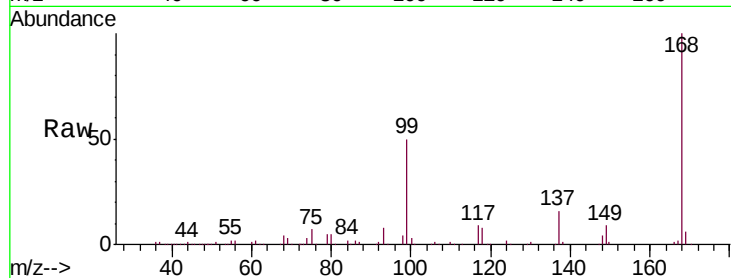
Tgt Ion:117 Resp: 13065

Ion Ratio Lower Upper

117 100

119 4.1 79.0 118.4#

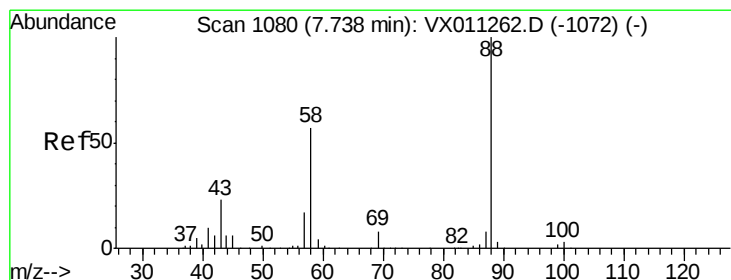
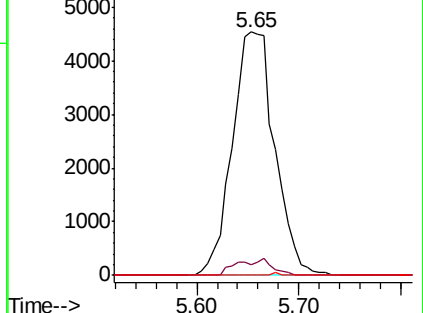
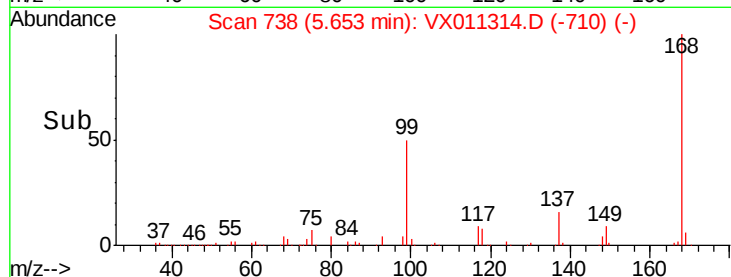
121 0.0 25.9 38.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.198 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.06 min

Lab File: VX011314.D

Acq: 02 Aug 2019 18:50

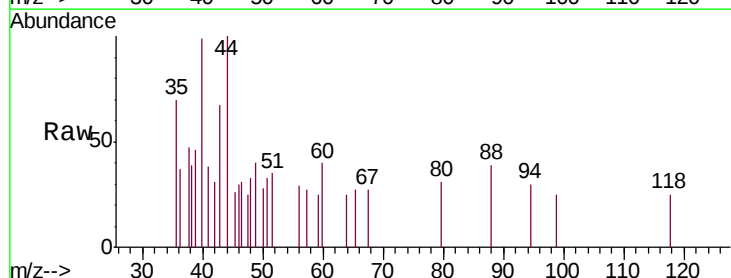
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 162.3 22.2 33.2#

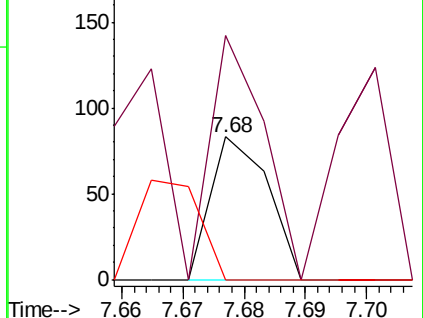
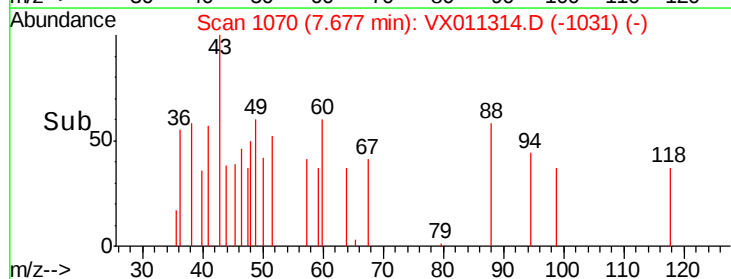
58 0.0 47.8 71.8#

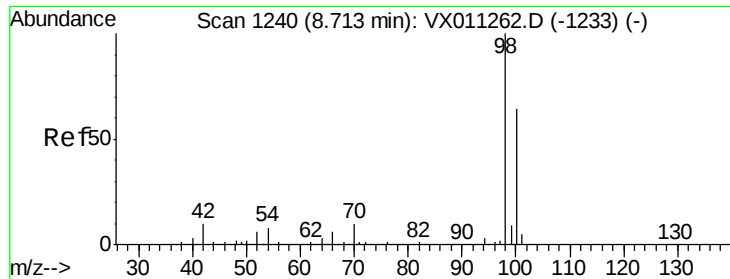


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.994 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011314.D

Acq: 02 Aug 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

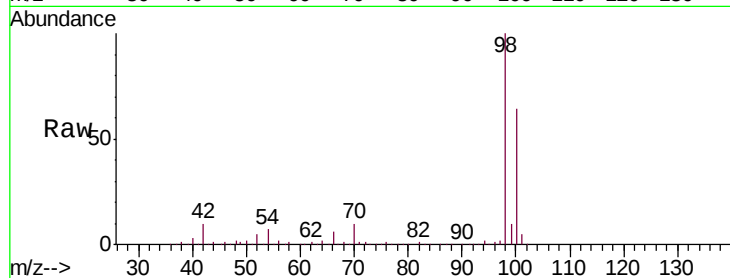
Z3-0711

Tgt Ion: 98 Resp: 279705

Ion Ratio Lower Upper

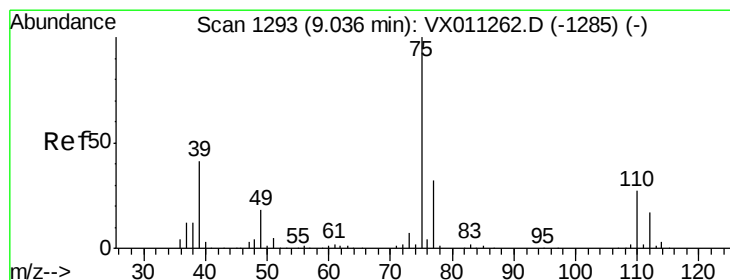
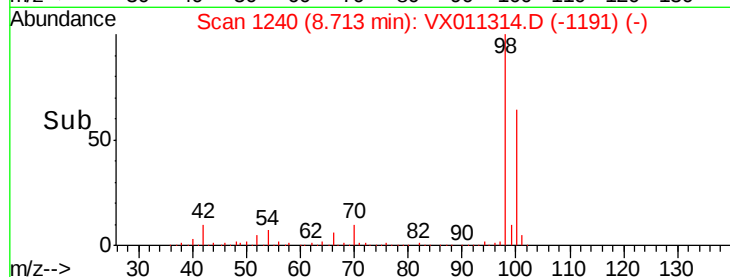
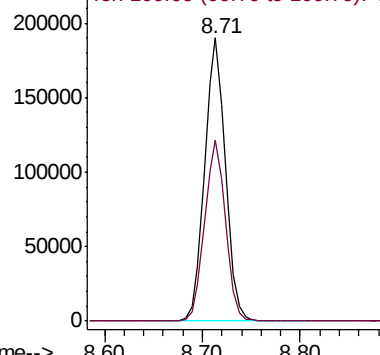
98 100

100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#53

t-1,3-Dichloropropene

Concen: 2.847 ug/l

RT: 9.13 min Scan# 1308

Delta R.T. 0.09 min

Lab File: VX011314.D

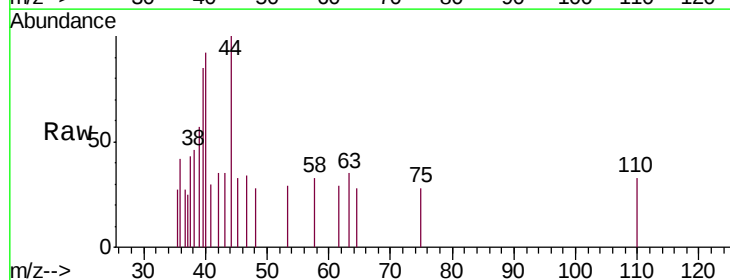
Acq: 02 Aug 2019 18:50

Tgt Ion: 75 Resp: 21

Ion Ratio Lower Upper

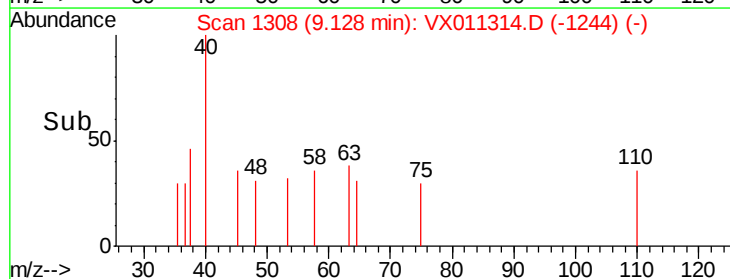
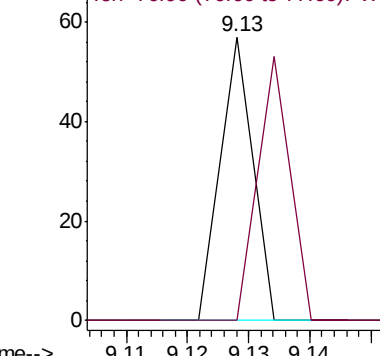
75 100

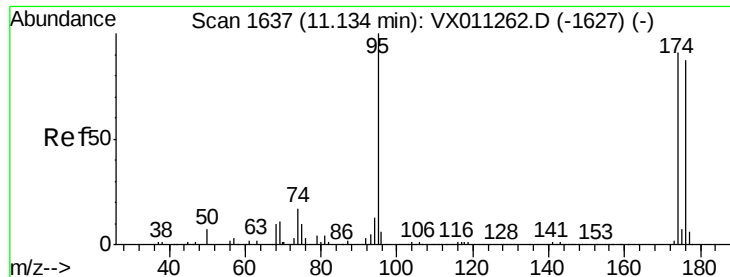
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

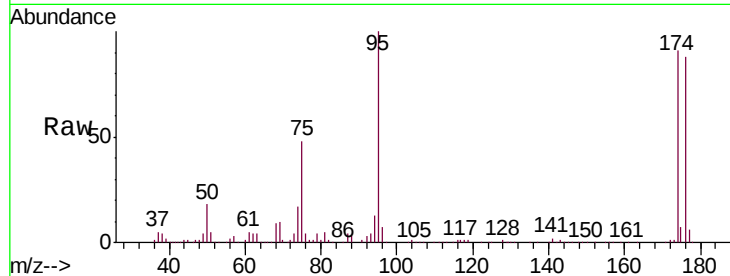




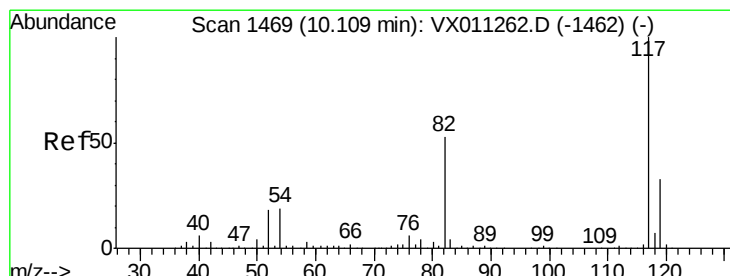
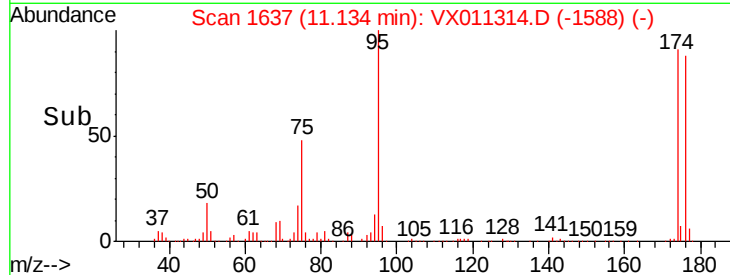
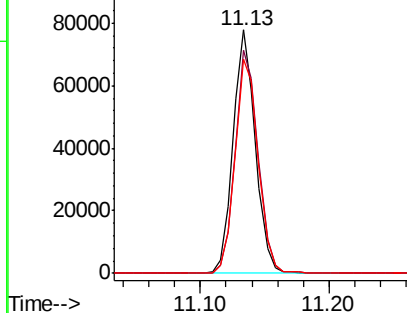
#62
4-Bromofluorobenzene
Concen: 46.159 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011314.D
Acq: 02 Aug 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
Z3-0711

Tgt Ion: 95 Resp: 94084
Ion Ratio Lower Upper
95 100
174 94.0 0.0 191.2
176 91.4 0.0 184.8

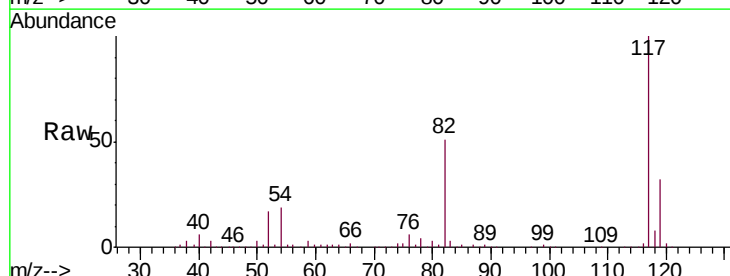


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

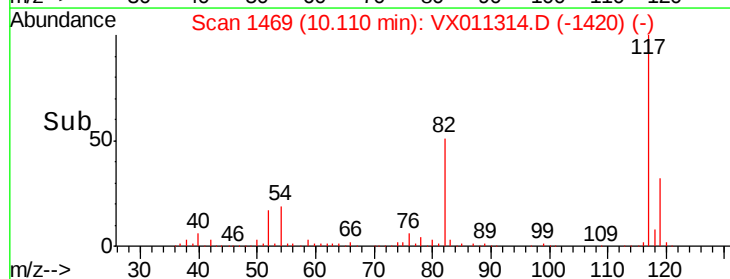
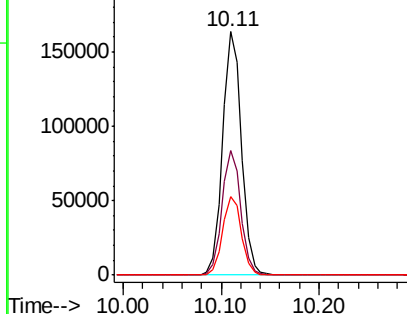


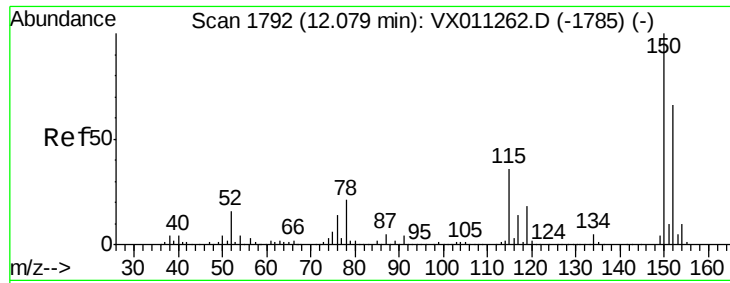
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011314.D
Acq: 02 Aug 2019 18:50

Tgt Ion: 117 Resp: 218410
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 32.4 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: VX011314.D

Acq: 02 Aug 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

Z3-0711

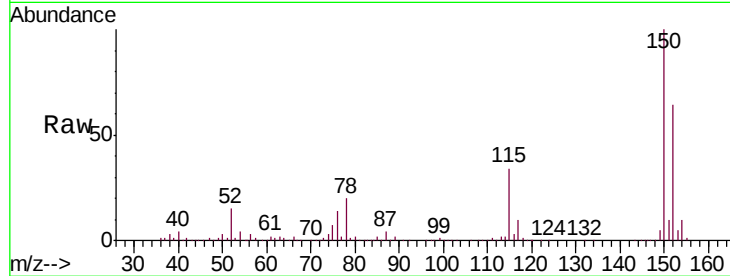
Tgt Ion:152 Resp: 99181

Ion Ratio Lower Upper

152 100

115 55.8 40.0 119.9

150 155.8 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

150000

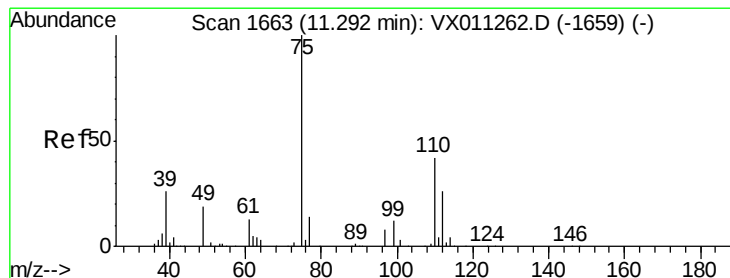
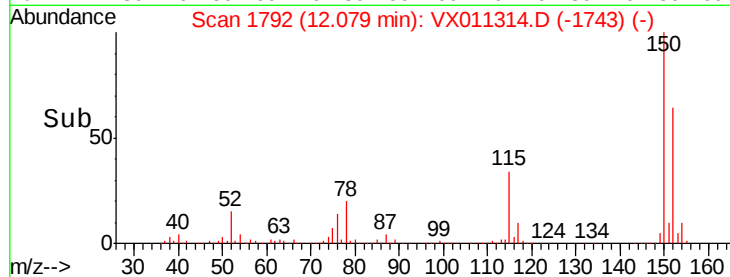
100000

50000

0

12.00 12.10 12.20

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.764 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011314.D

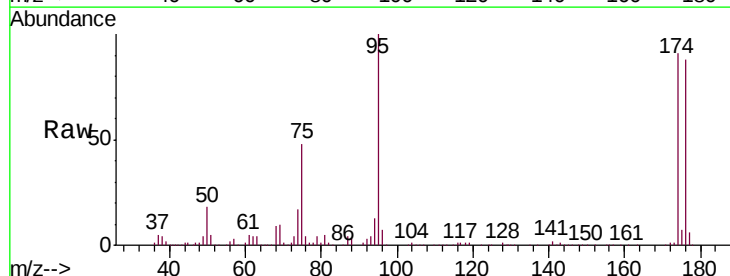
Acq: 02 Aug 2019 18:50

Tgt Ion: 75 Resp: 46535

Ion Ratio Lower Upper

75 100

77 1.3 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

40000

30000

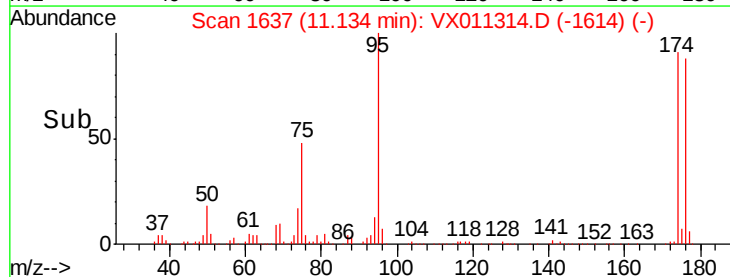
20000

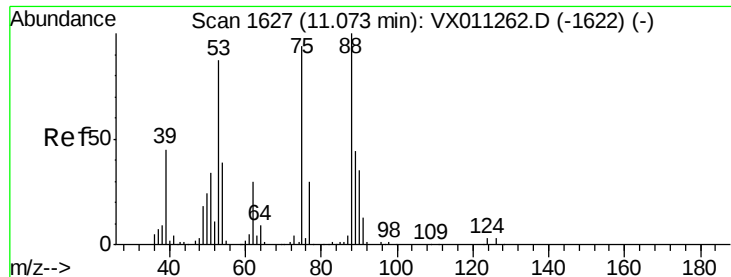
10000

0

11.05 11.10 11.15 11.20

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 67.095 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011314.D

Acq: 02 Aug 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

Z3-0711

Tgt Ion: 75 Resp: 46535

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.4#

89 0.0 37.9 56.9#

