

Data File : VX011292.D
Acq On : 02 Aug 2019 10:16
Operator : JC/SP
Sample : VX0802WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBL01

Quant Time: Aug 03 05:38:28 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	5.65	168	144160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	212790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	94246	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	76062	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	5.49	113	73983	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	8.71	98	278925	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	11.13	95	90870	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	

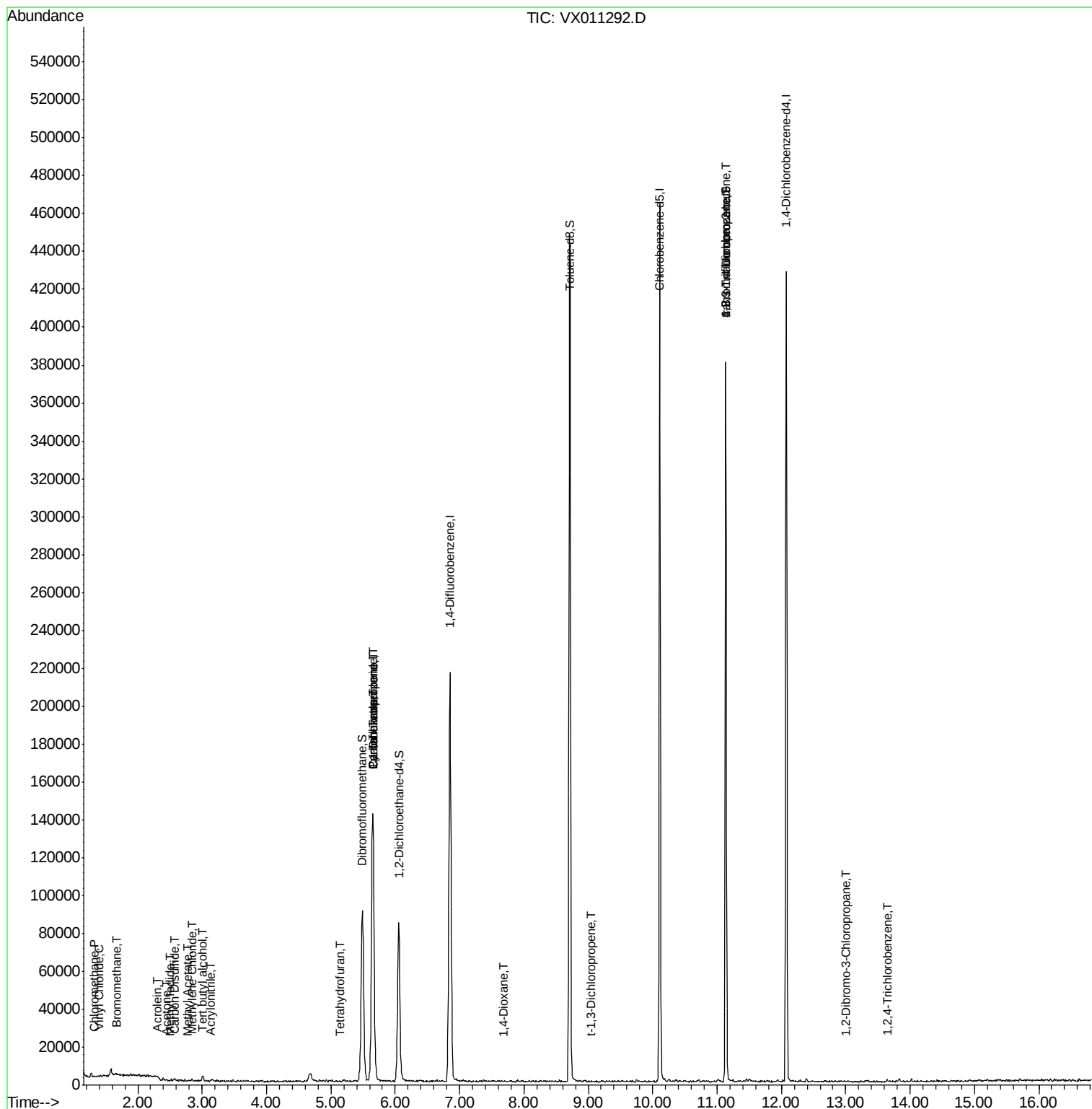
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	484	0.387	ug/l #	46
4) Vinyl Chloride	1.40	62	280	0.204	ug/l #	78
5) Bromomethane	1.66	94	651	0.664	ug/l #	38
6) Chloroethane	1.73	64	488	Below Cal	#	43
10) Methyl Iodide	2.50	142	649	0.389	ug/l #	59
11) Tert butyl alcohol	3.01	59	1581	5.484	ug/l #	87
13) Acrolein	2.29	56	185	0.607	ug/l #	47
15) Acrylonitrile	3.14	53	362	0.524	ug/l #	57
16) Acetone	2.43	43	592	0.857	ug/l #	66
17) Carbon Disulfide	2.56	76	1042	0.339	ug/l #	75
18) Methyl Acetate	2.78	43	349	0.221	ug/l	91
20) Methylene Chloride	2.84	84	312	0.206	ug/l #	82
29) Tetrahydrofuran	5.13	42	150	0.249	ug/l #	66
31) Cyclohexane	5.65	56	2524	1.350	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	9385	4.648	ug/l #	50
38) Carbon Tetrachloride	5.65	117	13401	6.597	ug/l #	14
49) 1,4-Dioxane	7.68	88	25	0.566	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	106	2.883	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	44168	25.734	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	44168	67.022	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	13.00	75	94	0.226	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.64	180	422	0.201	ug/l	90

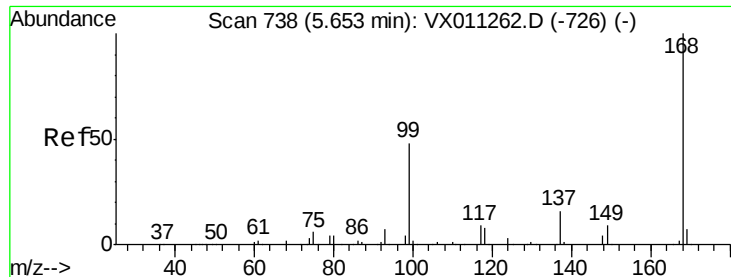
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011292.D

Acq: 02 Aug 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

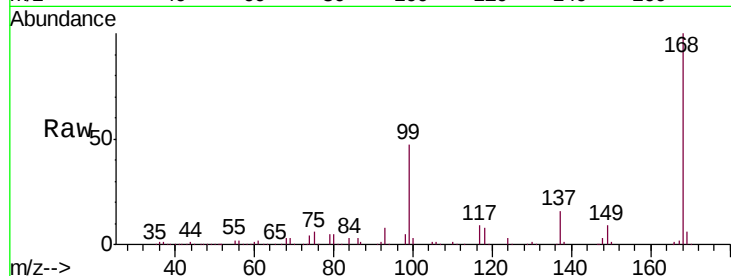
VX0802WBL01

Tgt Ion:168 Resp: 144160

Ion Ratio Lower Upper

168 100

99 46.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

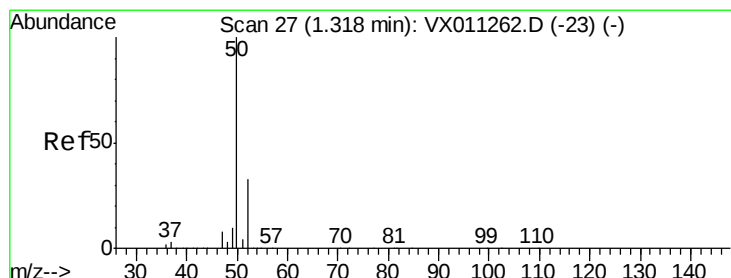
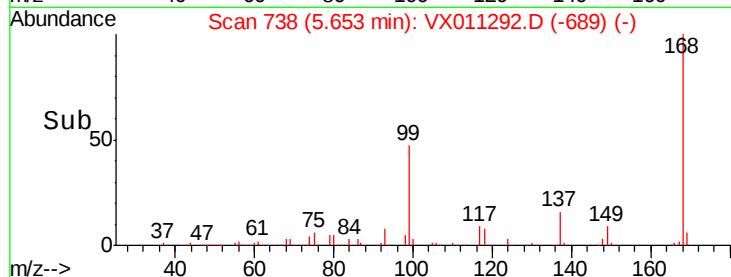
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.387 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011292.D

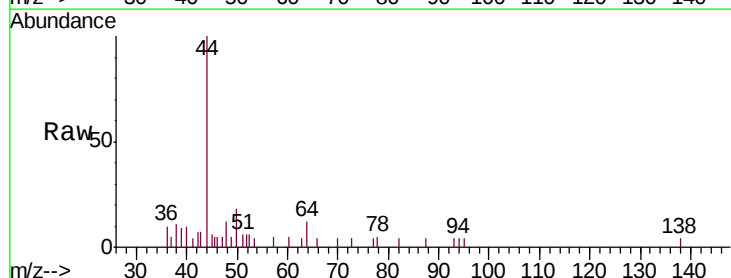
Acq: 02 Aug 2019 10:16

Tgt Ion: 50 Resp: 484

Ion Ratio Lower Upper

50 100

52 63.4 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

250

200

150

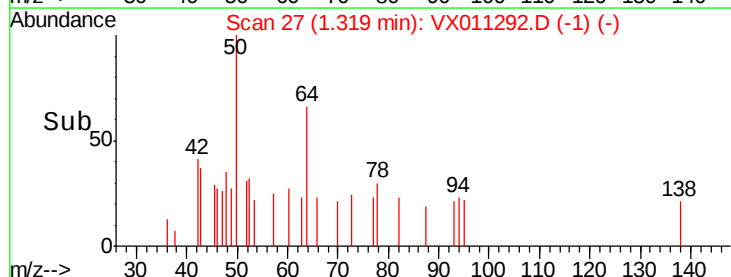
100

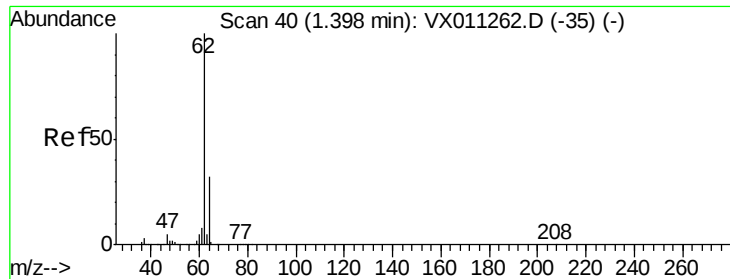
50

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 0.204 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011292.D

Acq: 02 Aug 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

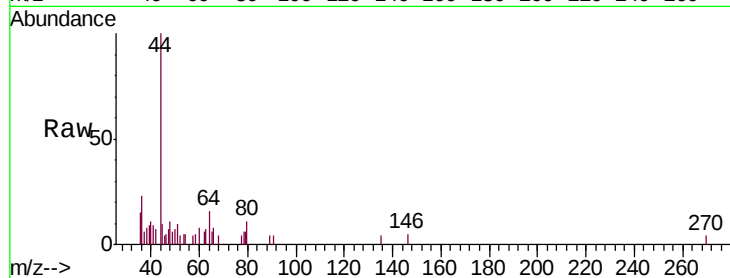
VX0802WBL01

Tgt Ion: 62 Resp: 280

Ion Ratio Lower Upper

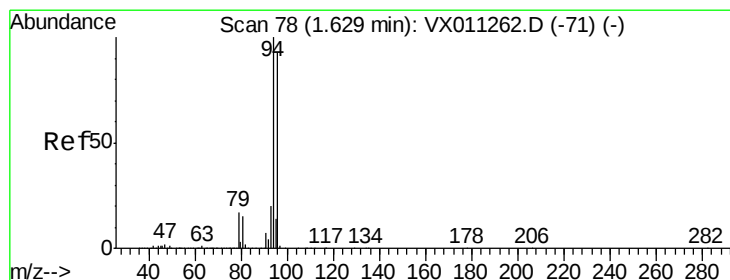
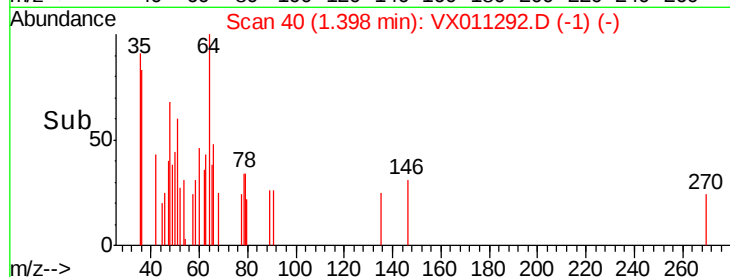
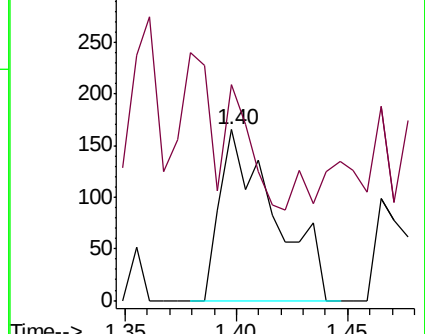
62 100

64 44.8 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.664 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.03 min

Lab File: VX011292.D

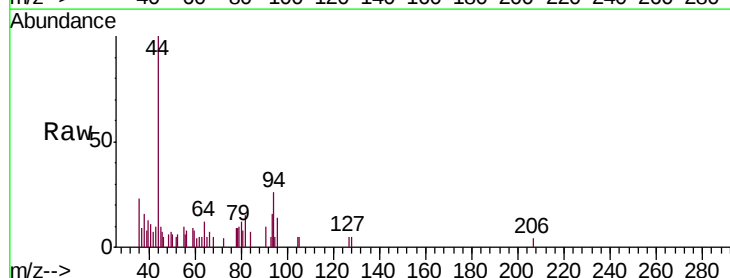
Acq: 02 Aug 2019 10:16

Tgt Ion: 94 Resp: 651

Ion Ratio Lower Upper

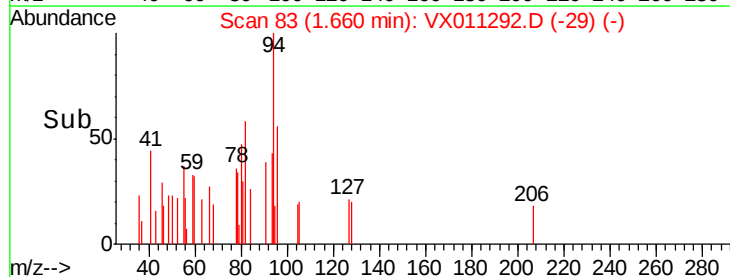
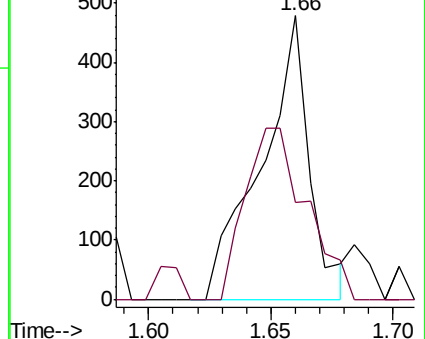
94 100

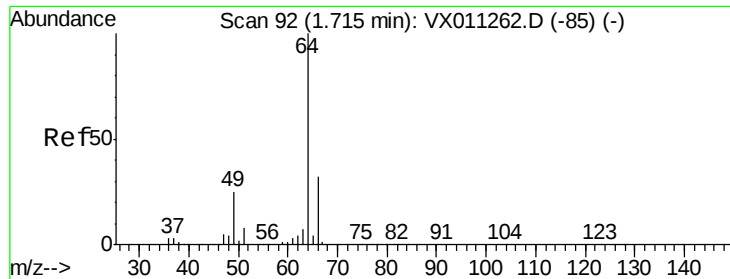
96 34.1 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX011292.D

Acq: 02 Aug 2019 10:16

Instrument :

MSVOA_X

ClientSampled :

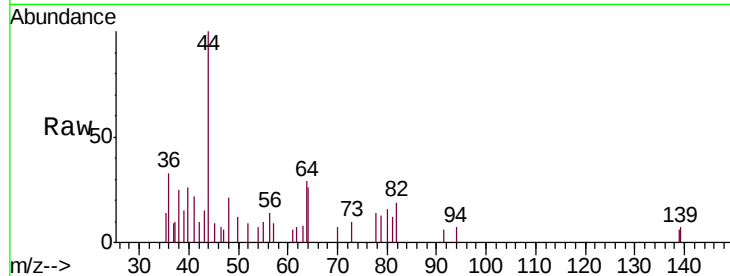
VX0802WBL01

Tgt Ion: 64 Resp: 488

Ion Ratio Lower Upper

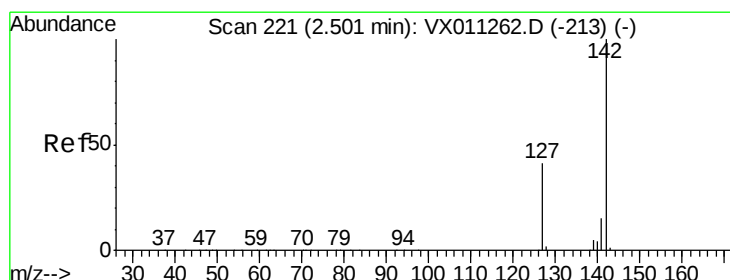
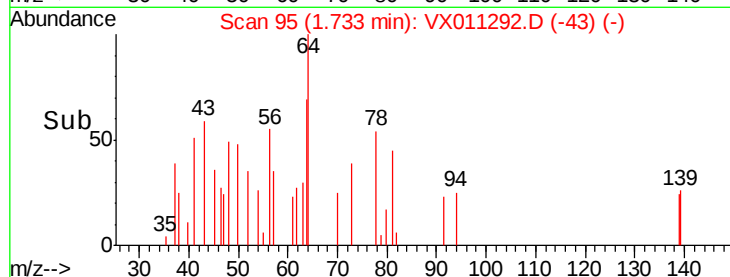
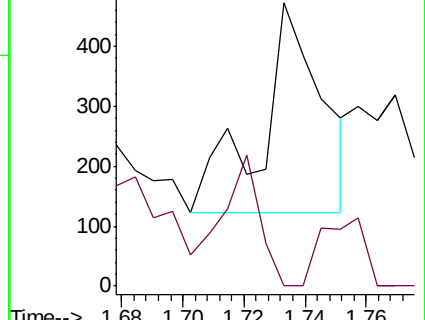
64 100

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



#10

Methyl Iodide

Concen: 0.389 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011292.D

Acq: 02 Aug 2019 10:16

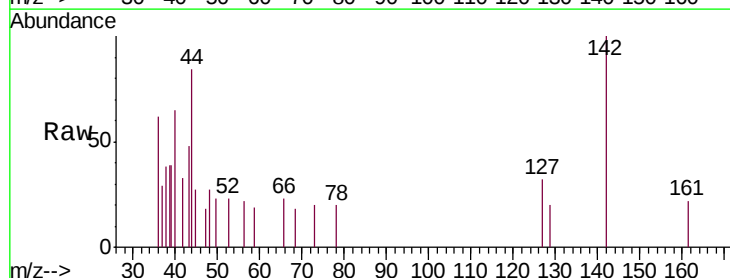
Tgt Ion: 142 Resp: 649

Ion Ratio Lower Upper

142 100

127 15.3 33.8 50.8#

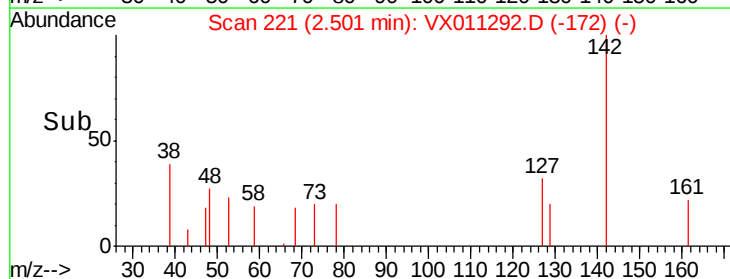
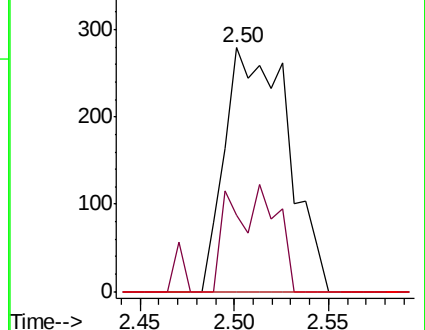
141 0.0 11.4 17.2#

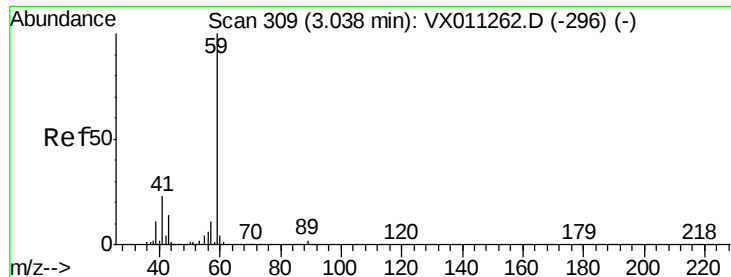


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



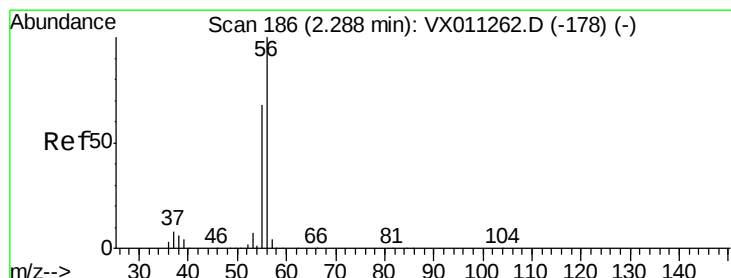
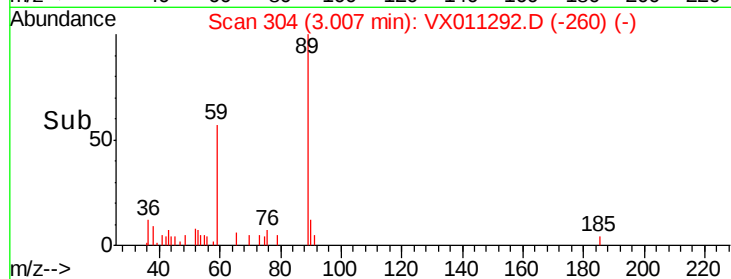
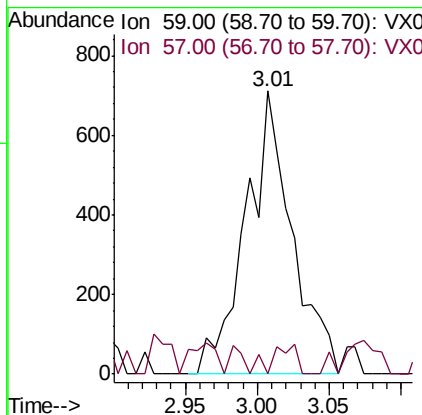
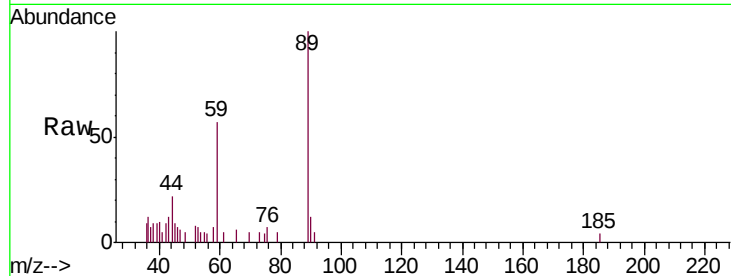


#11

Tert butyl alcohol
 Concen: 5.484 ug/l
 RT: 3.01 min Scan# 304
 Delta R.T. -0.03 min
 Lab File: VX011292.D
 Acq: 02 Aug 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBL01

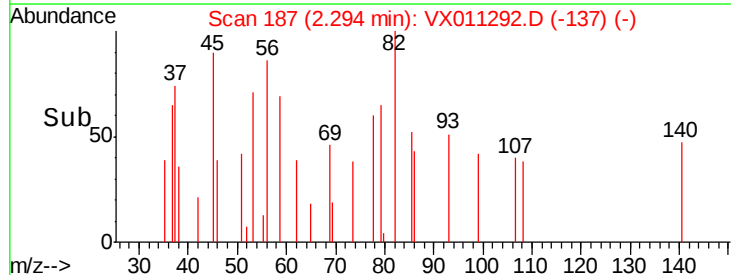
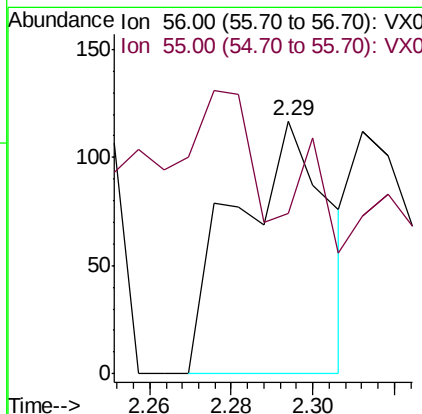
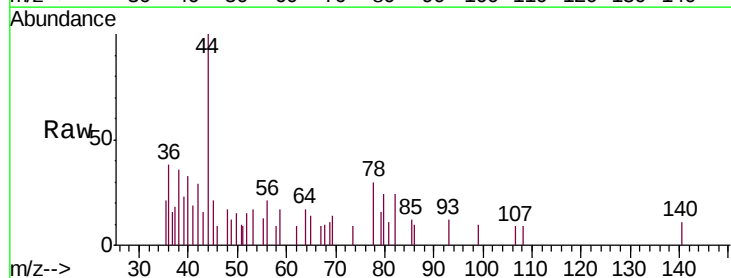
Tgt Ion: 59 Resp: 1581
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.3 12.5#

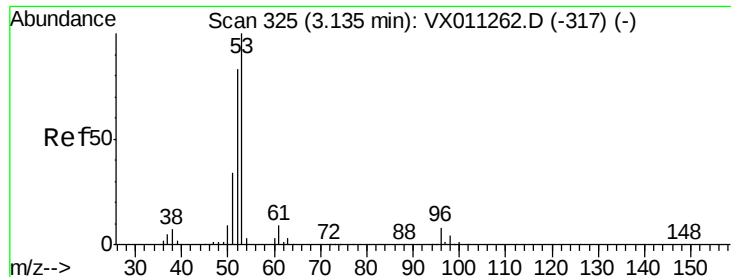


#13

Acrolein
 Concen: 0.607 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: VX011292.D
 Acq: 02 Aug 2019 10:16

Tgt Ion: 56 Resp: 185
 Ion Ratio Lower Upper
 56 100
 55 26.5 56.0 84.0#





#15

Acrylonitrile

Concen: 0.524 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX011292.D

Acq: 02 Aug 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBL01

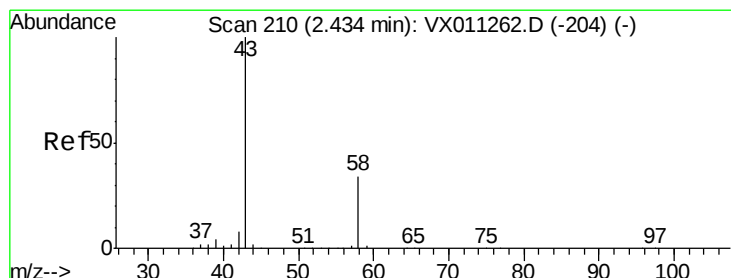
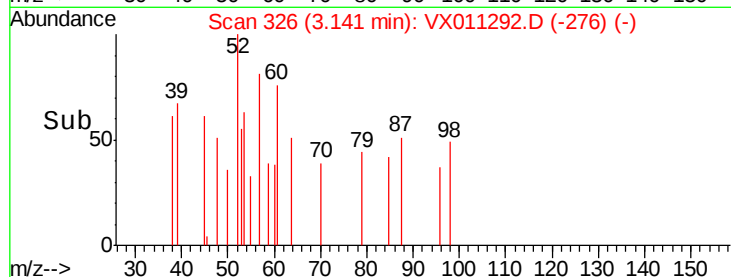
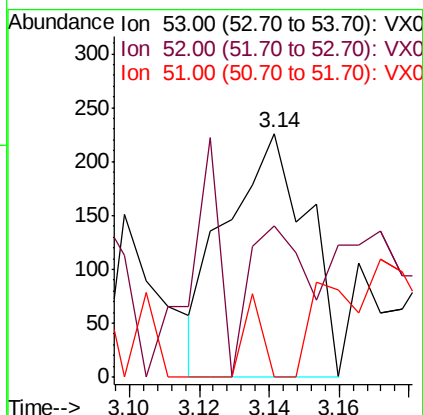
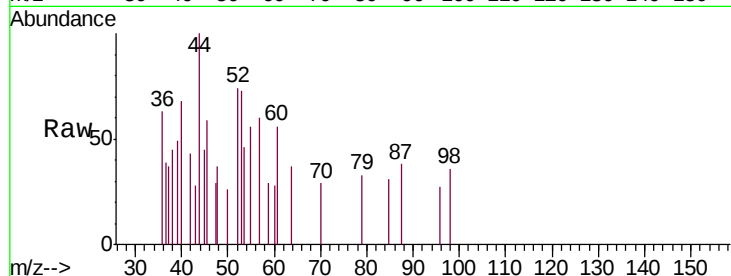
Tgt Ion: 53 Resp: 362

Ion Ratio Lower Upper

53 100

52 45.0 65.5 98.3#

51 7.7 27.9 41.9#



#16

Acetone

Concen: 0.857 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011292.D

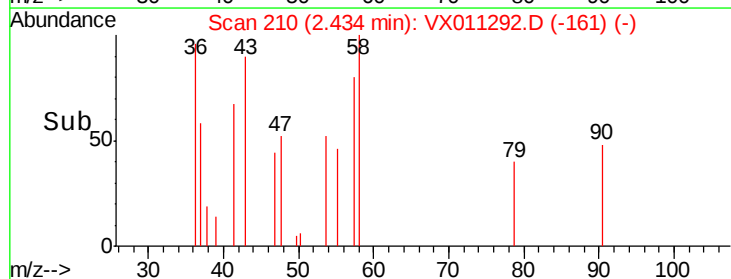
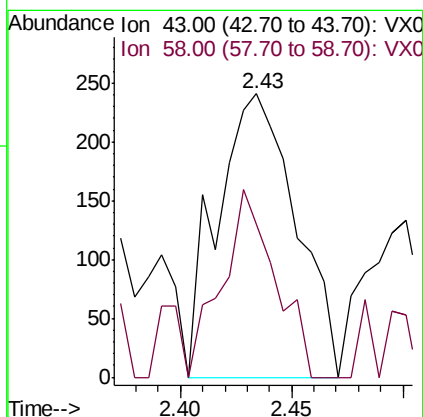
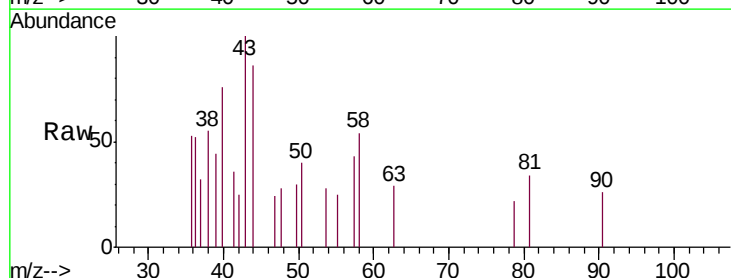
Acq: 02 Aug 2019 10:16

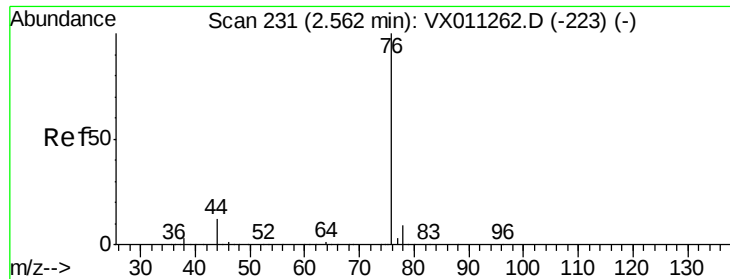
Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

43 100

58 53.9 27.4 41.0#

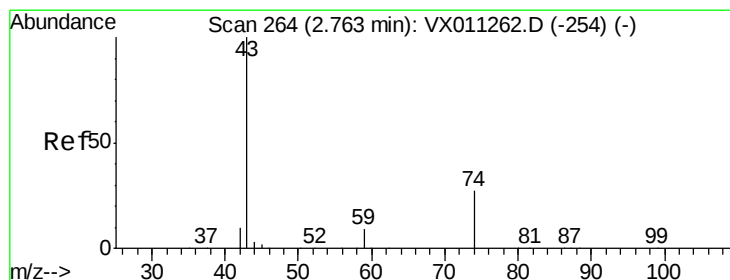
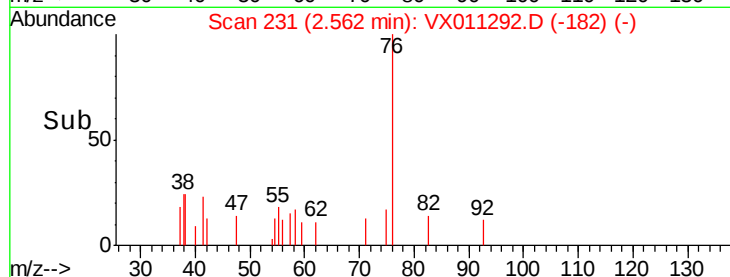
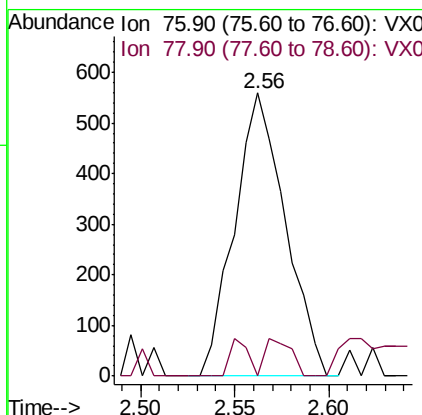
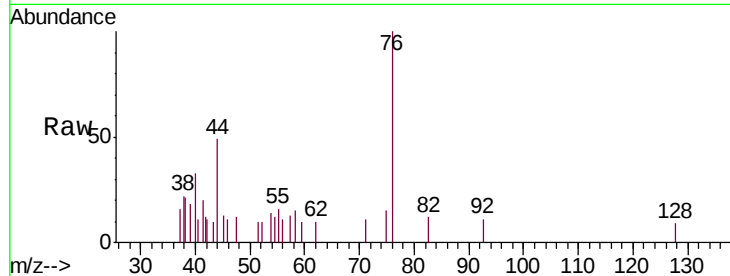




#17
 Carbon Disulfide
 Concen: 0.339 ug/l
 RT: 2.56 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VX011292.D
 Acq: 02 Aug 2019 10:16

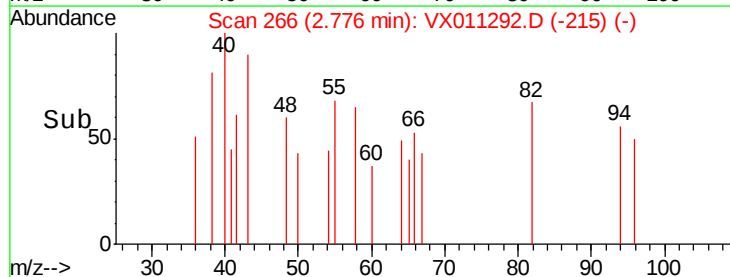
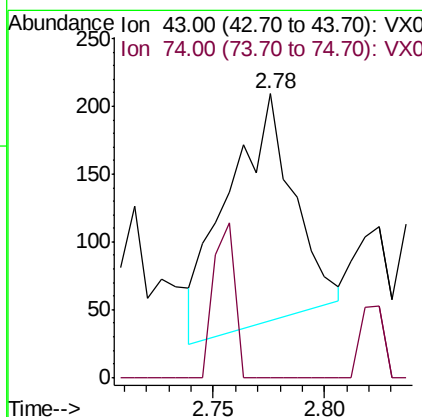
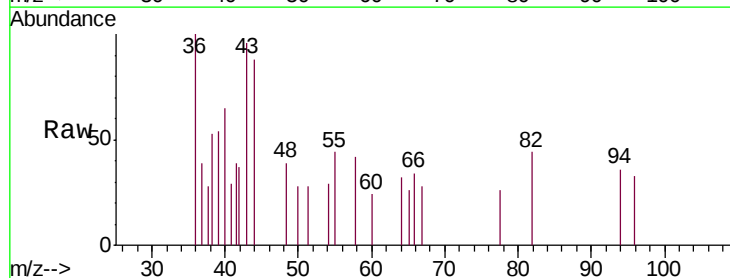
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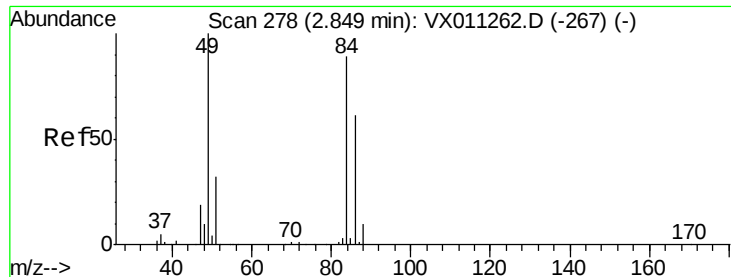
Tgt Ion: 76 Resp: 1042
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.4 11.0#



#18
 Methyl Acetate
 Concen: 0.221 ug/l
 RT: 2.78 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VX011292.D
 Acq: 02 Aug 2019 10:16

Tgt Ion: 43 Resp: 349
 Ion Ratio Lower Upper
 43 100
 74 21.5 21.0 31.6

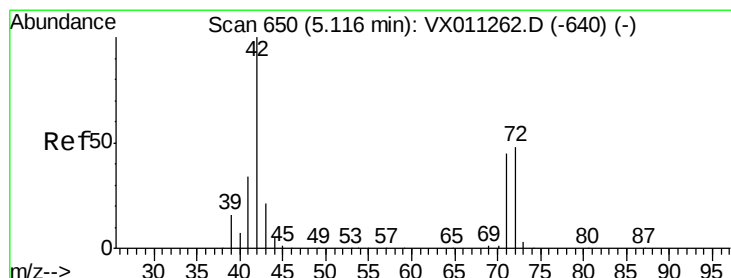
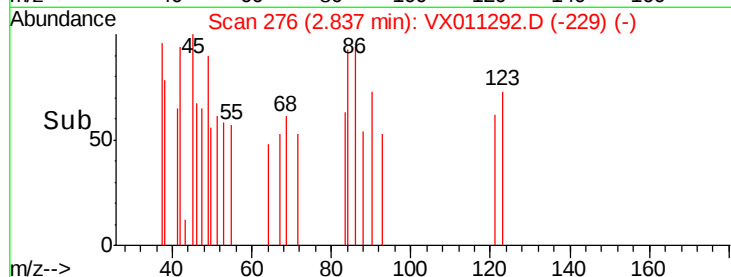
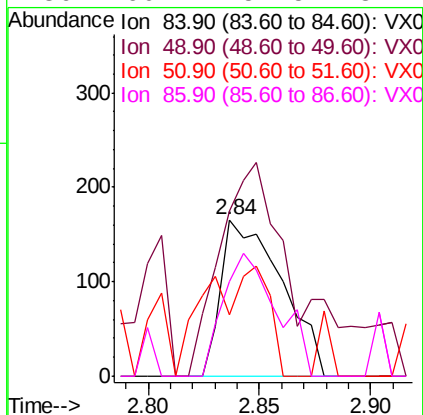
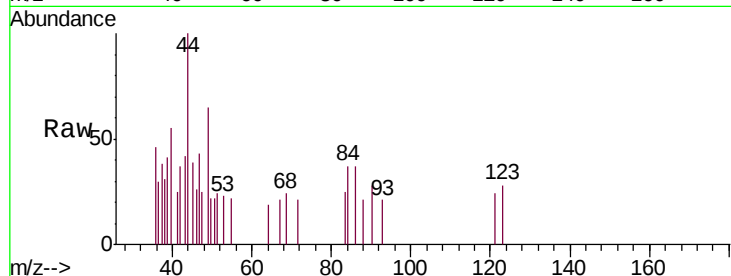




#20
Methylene Chloride
Concen: 0.206 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.01 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

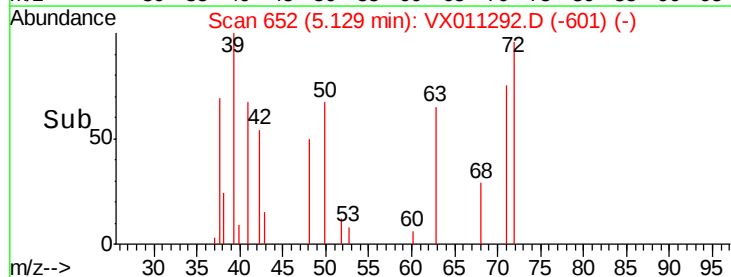
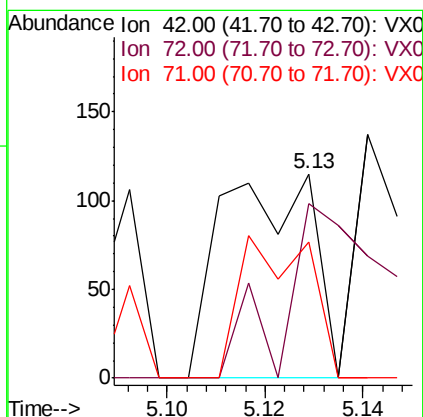
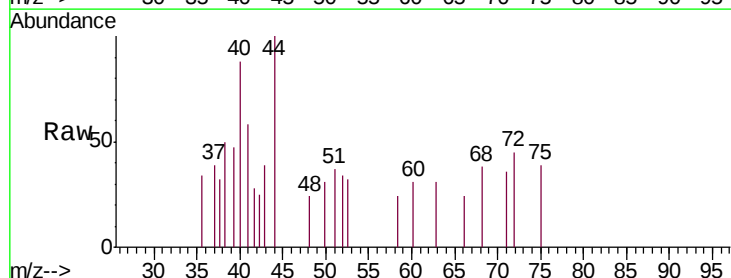
Instrument :
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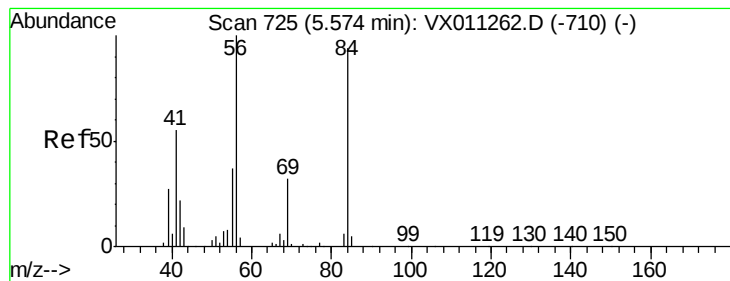
Tgt Ion: 84 Resp: 312
Ion Ratio Lower Upper
84 100
49 141.0 89.3 133.9#
51 39.2 28.3 42.5
86 60.2 54.5 81.7



#29
Tetrahydrofuran
Concen: 0.249 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

Tgt Ion: 42 Resp: 150
Ion Ratio Lower Upper
42 100
72 88.7 39.9 59.9#
71 52.0 36.9 55.3





#31

Cyclohexane

Concen: 1.350 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.07 min

Lab File: VX011292.D

Acq: 02 Aug 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBL01

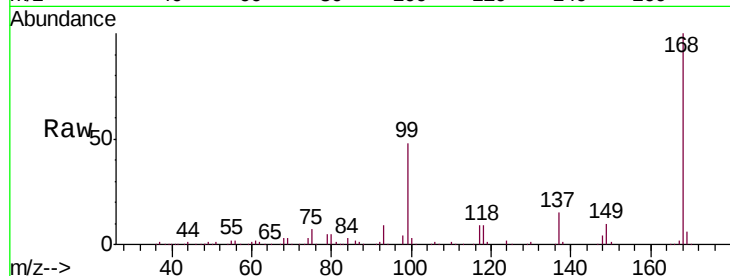
Tgt Ion: 56 Resp: 2524

Ion Ratio Lower Upper

56 100

69 156.4 25.5 38.3#

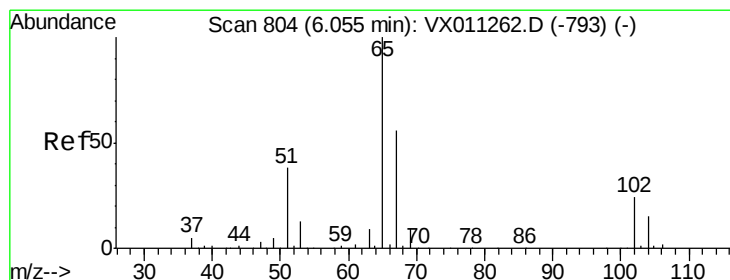
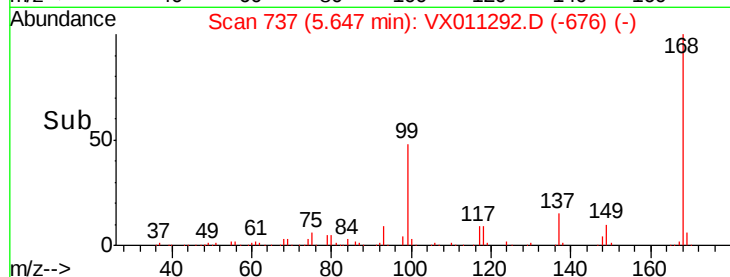
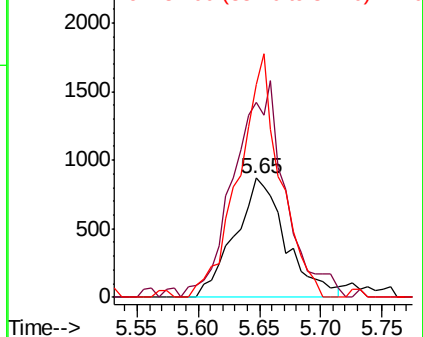
84 178.7 75.0 112.4#



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: 52.393 ug/l

RT: 6.05 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX011292.D

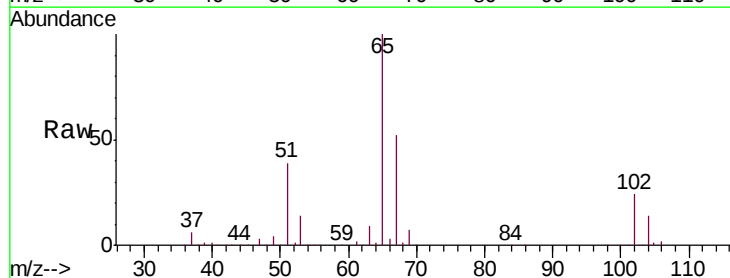
Acq: 02 Aug 2019 10:16

Tgt Ion: 65 Resp: 76062

Ion Ratio Lower Upper

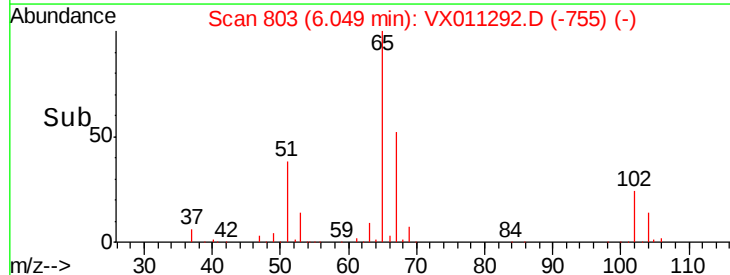
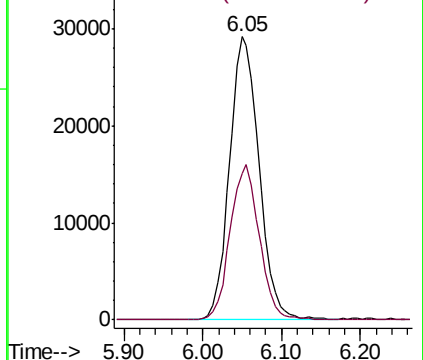
65 100

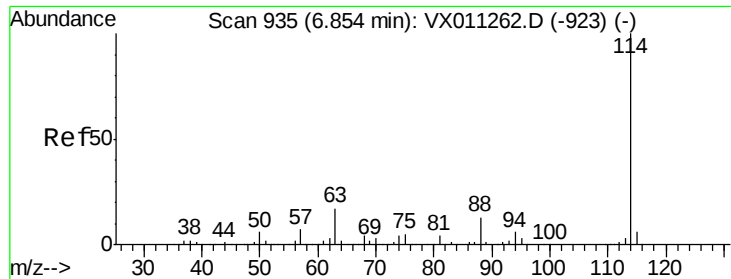
67 54.3 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

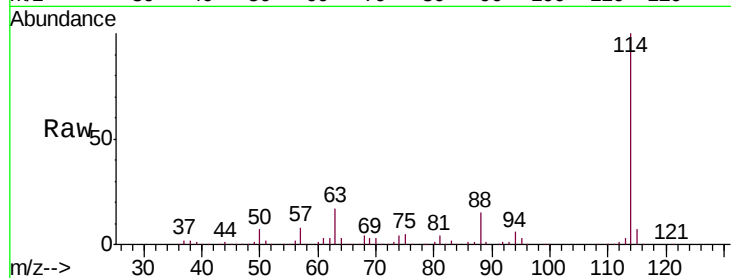




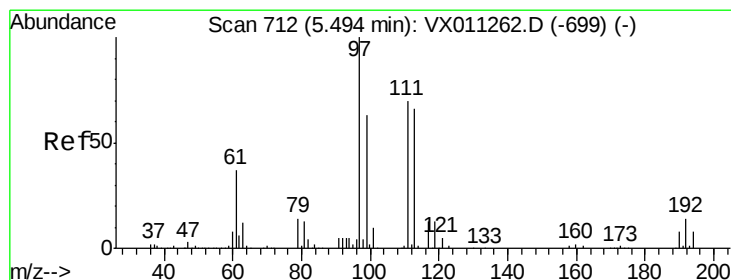
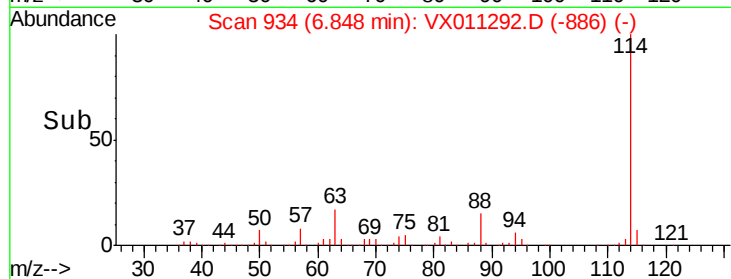
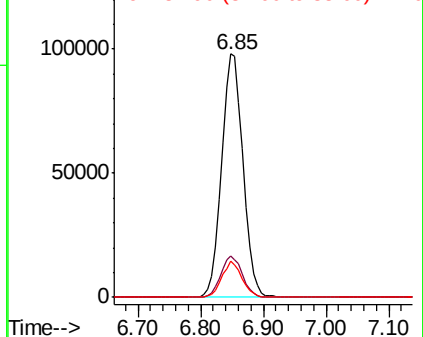
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 934
Delta R.T. -0.01 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBL01

Tgt Ion:114 Resp: 231273
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.0
88 14.7 0.0 26.4

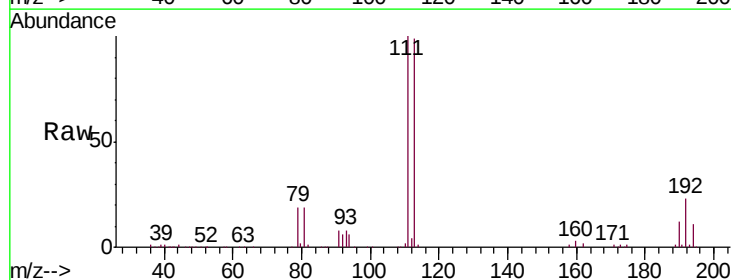


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

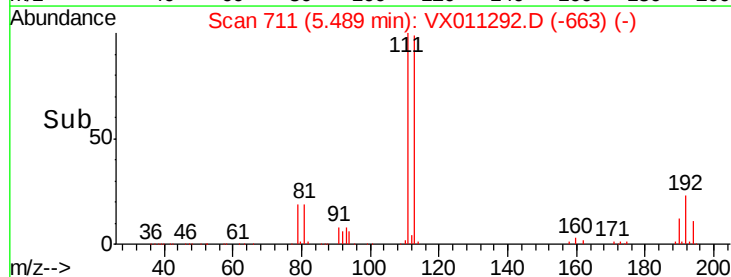
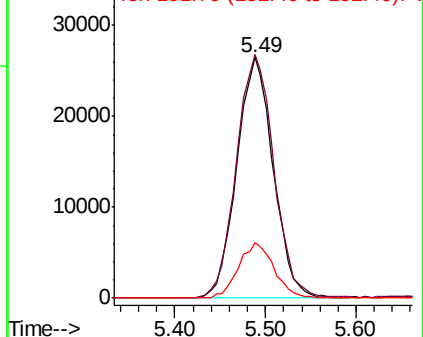


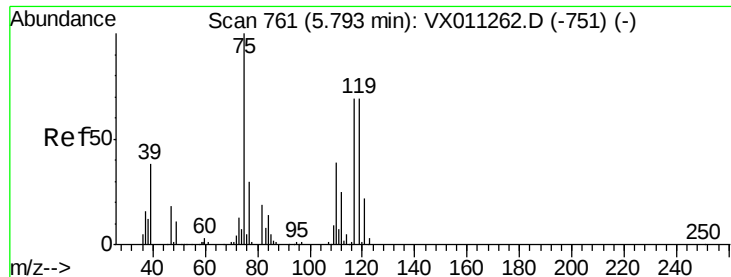
#35
Dibromofluoromethane
Concen: 48.998 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

Tgt Ion:113 Resp: 73983
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 22.4 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

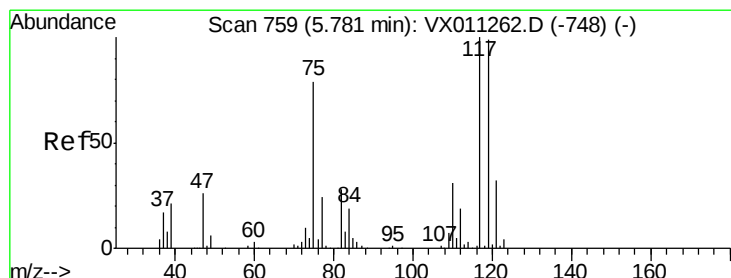
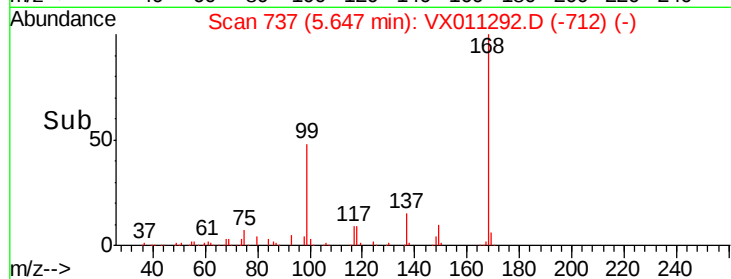
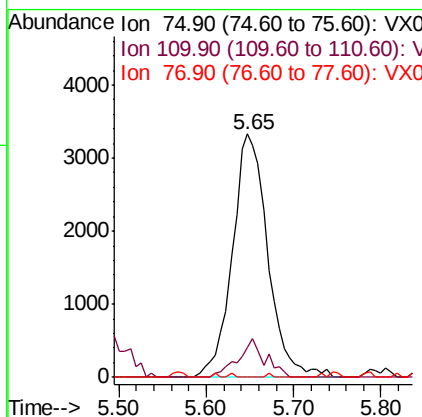
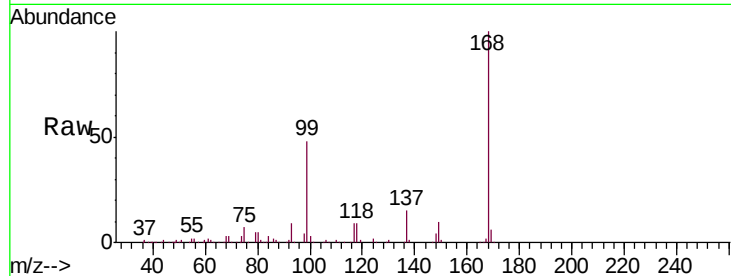




#36
 1,1-Dichloropropene
 Concen: 4.648 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011292.D
 Acq: 02 Aug 2019 10:16

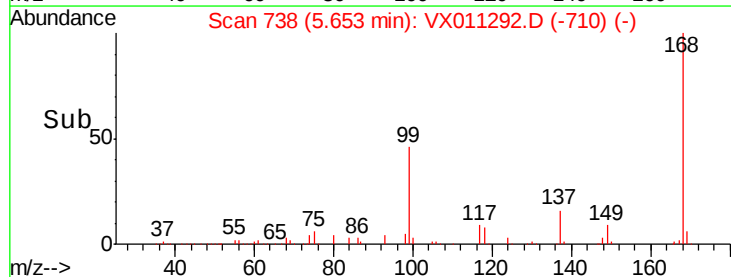
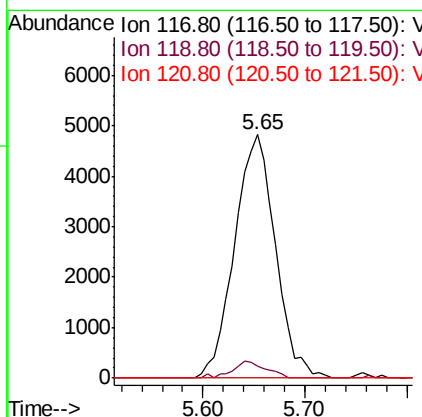
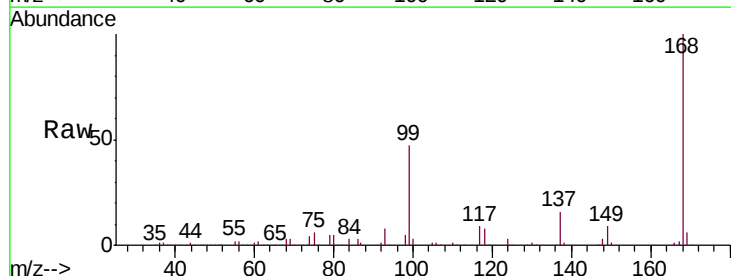
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBL01

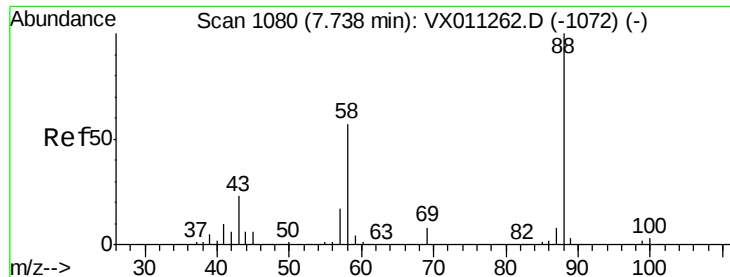
Tgt Ion: 75 Resp: 9385
 Ion Ratio Lower Upper
 75 100
 110 12.2 20.0 59.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.597 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011292.D
 Acq: 02 Aug 2019 10:16

Tgt Ion: 117 Resp: 13401
 Ion Ratio Lower Upper
 117 100
 119 4.7 79.0 118.4#
 121 0.0 25.9 38.9#

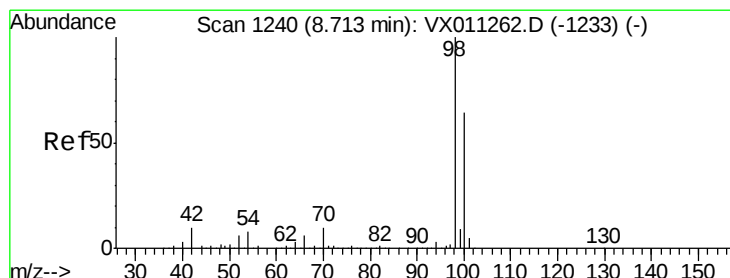
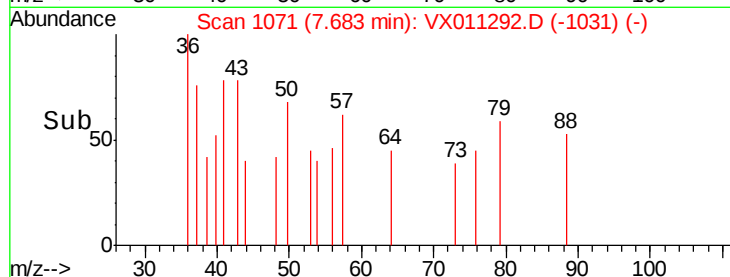
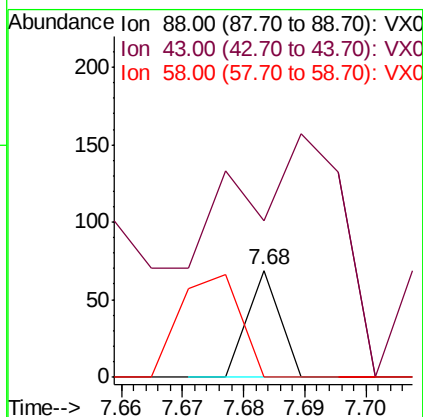
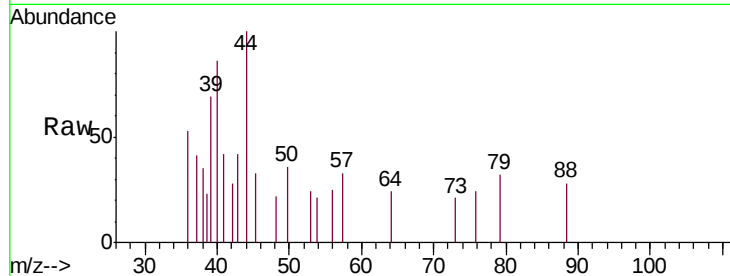




#49
1,4-Dioxane
Concen: 0.566 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.05 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

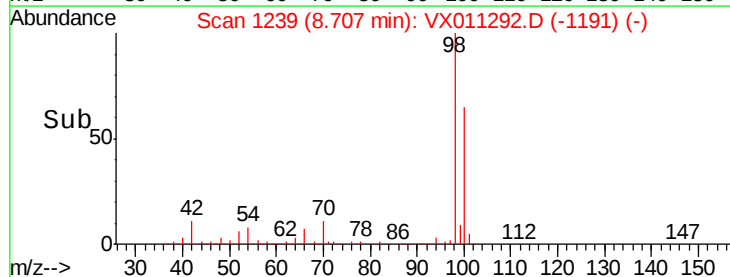
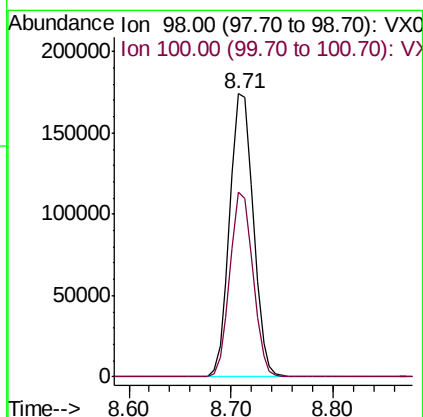
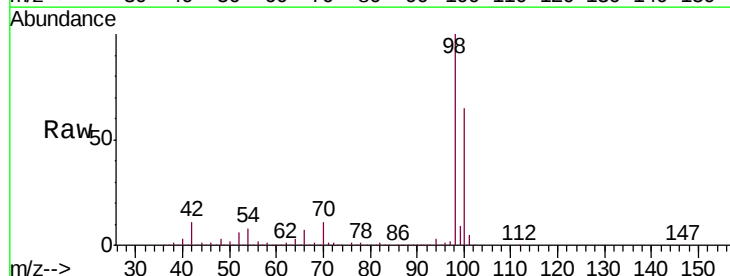
Instrument :
MSVOA_X
ClientSampled :
VX0802WBL01

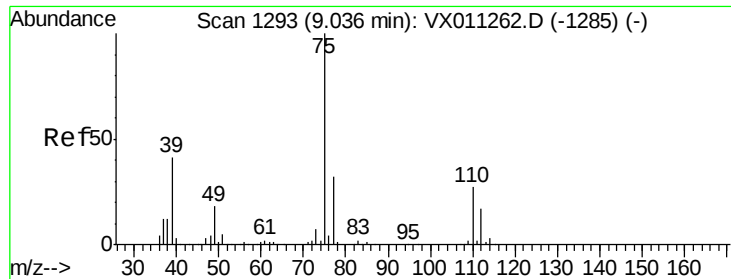
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 764.0 22.2 33.2#
58 180.0 47.8 71.8#



#50
Toluene-d8
Concen: 48.938 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

Tgt Ion: 98 Resp: 278925
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

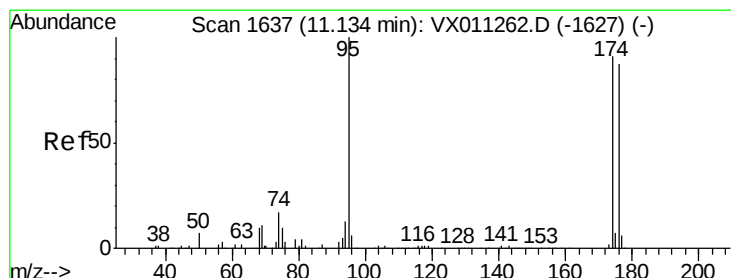
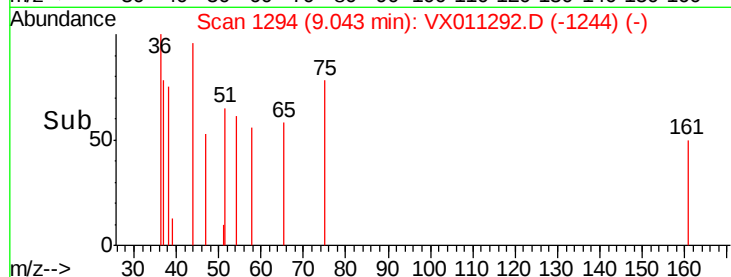
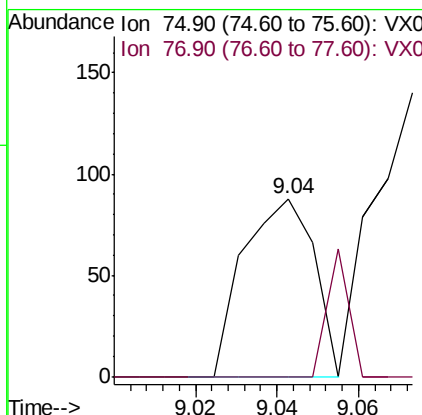
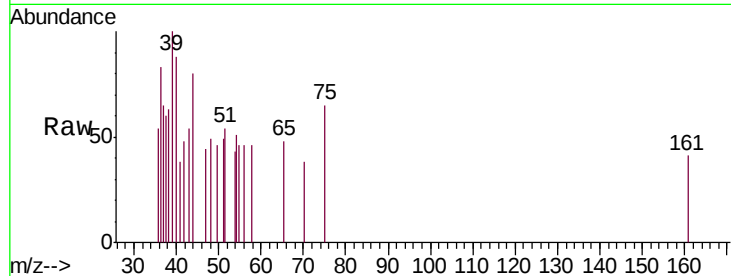




#53
t-1,3-Dichloropropene
Concen: 2.883 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

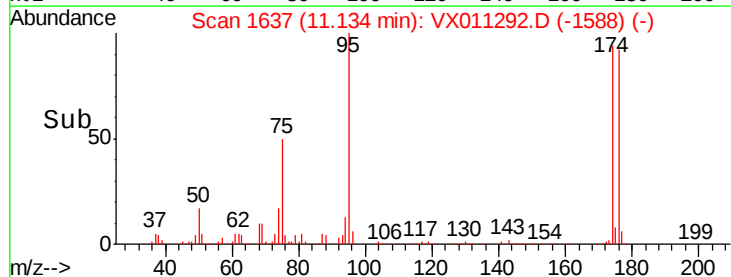
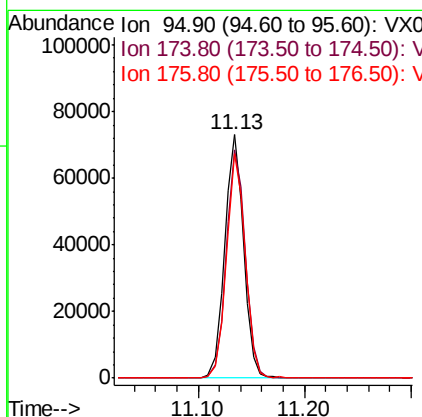
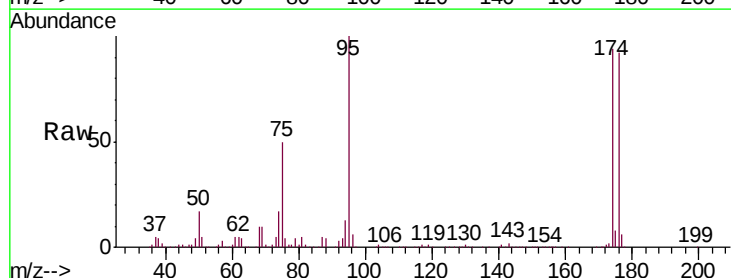
Instrument :
MSVOA_X
ClientSampleId :
VX0802WBL01

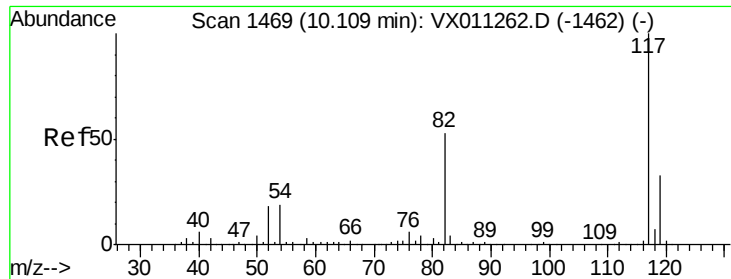
Tgt Ion: 75 Resp: 106
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 44.656 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

Tgt Ion: 95 Resp: 90870
Ion Ratio Lower Upper
95 100
174 95.2 0.0 191.2
176 91.6 0.0 184.8

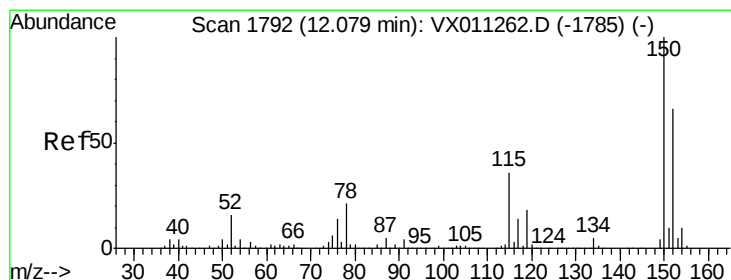
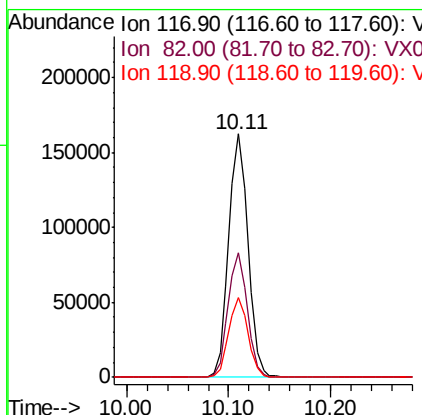
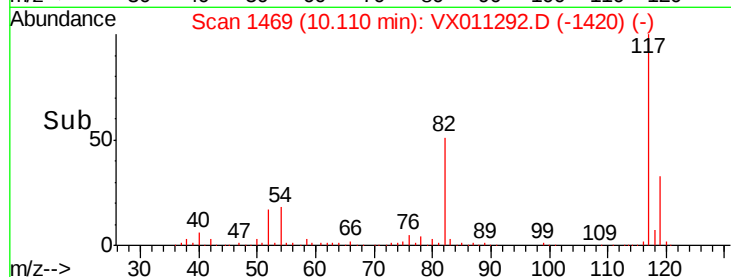
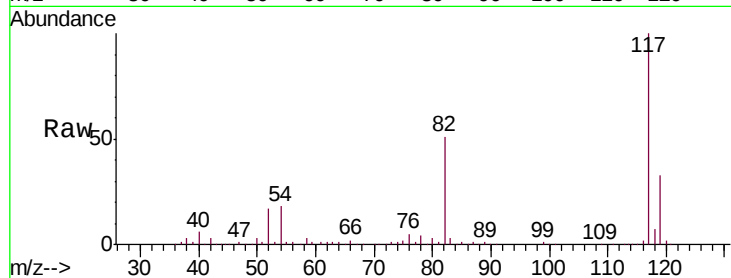




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

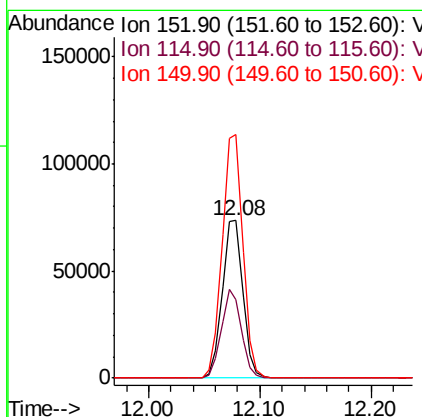
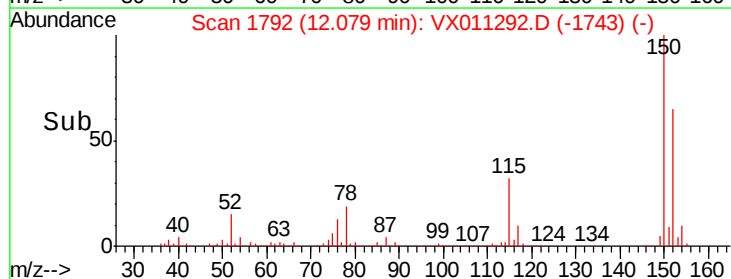
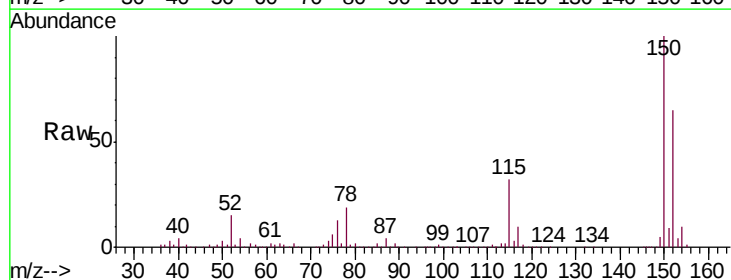
Instrument :
MSVOA_X
ClientSampleId :
VX0802WBL01

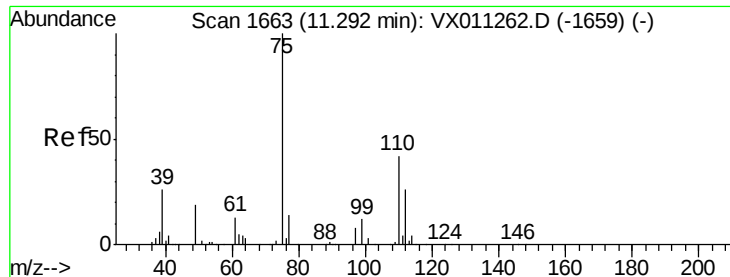
Tgt Ion:117 Resp: 212790
Ion Ratio Lower Upper
117 100
82 51.2 42.2 63.2
119 33.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011292.D
Acq: 02 Aug 2019 10:16

Tgt Ion:152 Resp: 94246
Ion Ratio Lower Upper
152 100
115 54.7 40.0 119.9
150 155.3 0.0 350.4

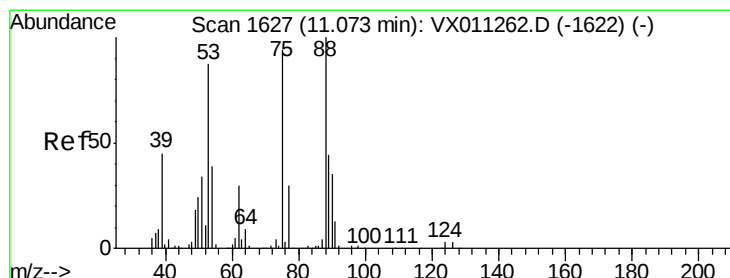
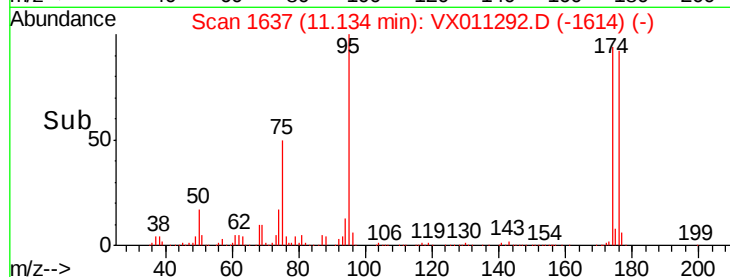
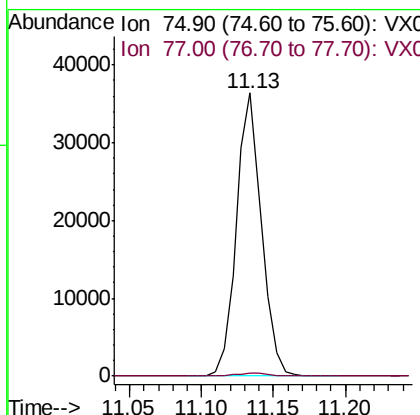
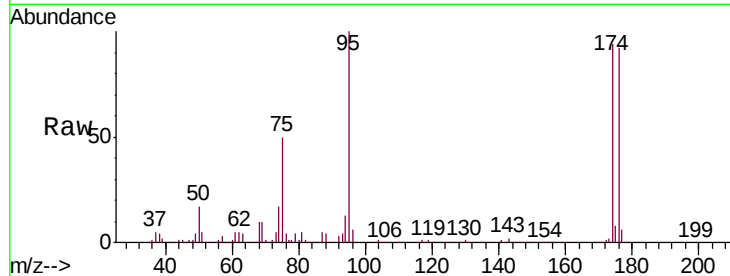




#76
 1,2,3-Trichloropropane
 Concen: 25.734 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011292.D
 Acq: 02 Aug 2019 10:16

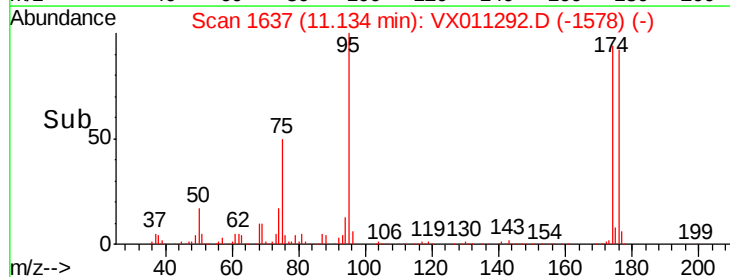
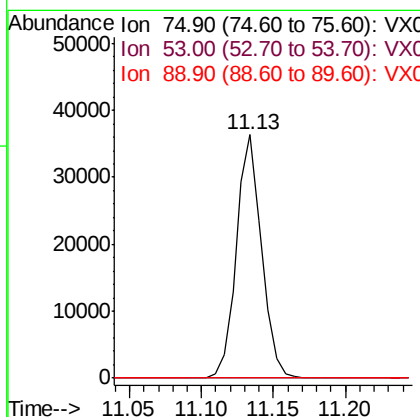
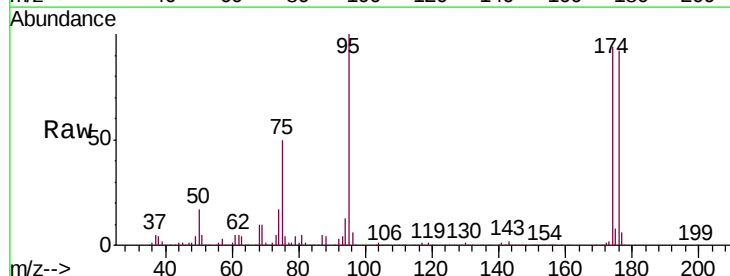
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBL01

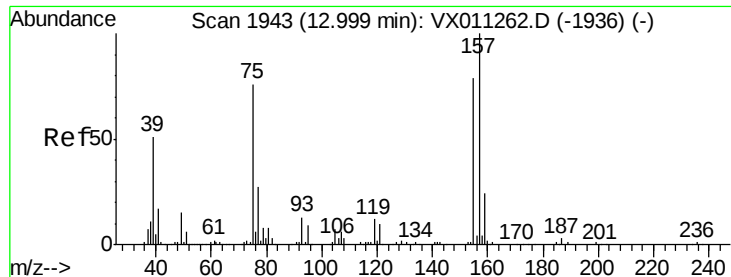
Tgt Ion: 75 Resp: 44168
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.022 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011292.D
 Acq: 02 Aug 2019 10:16

Tgt Ion: 75 Resp: 44168
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.2 117.4#
 89 0.0 37.9 56.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.226 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX011292.D

Acq: 02 Aug 2019 10:16

Instrument :

MSVOA_X

ClientSampled :

VX0802WBL01

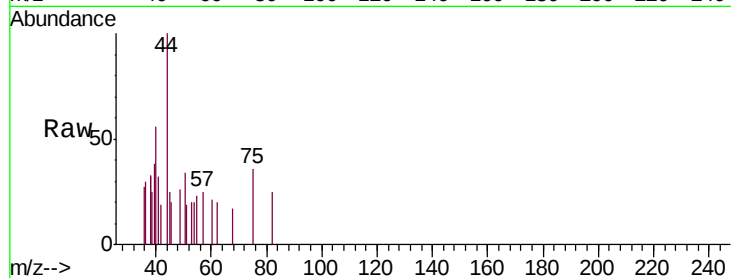
Tgt Ion: 75 Resp: 94

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.8#

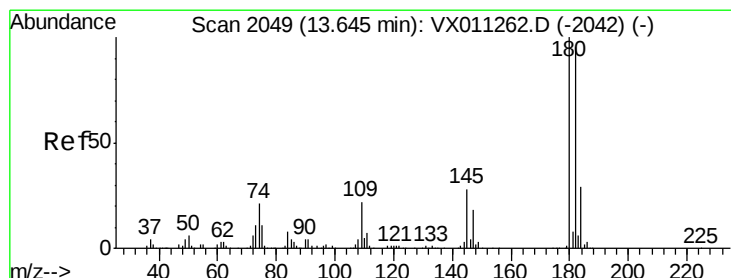
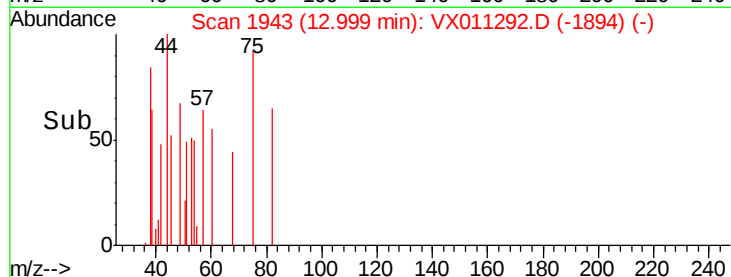
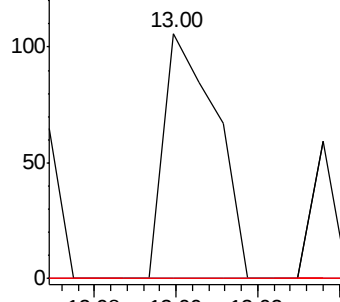
157 0.0 64.3 192.7#



Abundance Ion 74.90 (74.60 to 75.60): VX011292.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX011292.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX011292.D (-1894) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.201 ug/l

RT: 13.64 min Scan# 2048

Delta R.T. -0.01 min

Lab File: VX011292.D

Acq: 02 Aug 2019 10:16

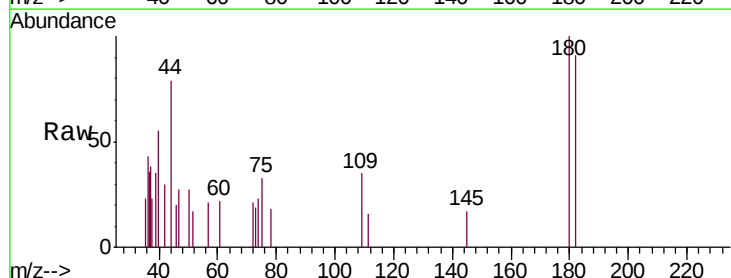
Tgt Ion: 180 Resp: 422

Ion Ratio Lower Upper

180 100

182 84.8 47.8 143.4

145 32.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): VX011292.D (-2000) (-)

Ion 181.80 (181.50 to 182.50): VX011292.D (-2000) (-)

Ion 144.80 (144.50 to 145.50): VX011292.D (-2000) (-)

