

Data File : VX011293.D
Acq On : 02 Aug 2019 10:40
Operator : JC/SP
Sample : VX0802MBL01
Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VX0802MBL01

Quant Time: Aug 03 05:38:45 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	144588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	234587	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	220472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	75869	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	5.49	113	73142	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	8.71	98	283076	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.13	95	94257	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	

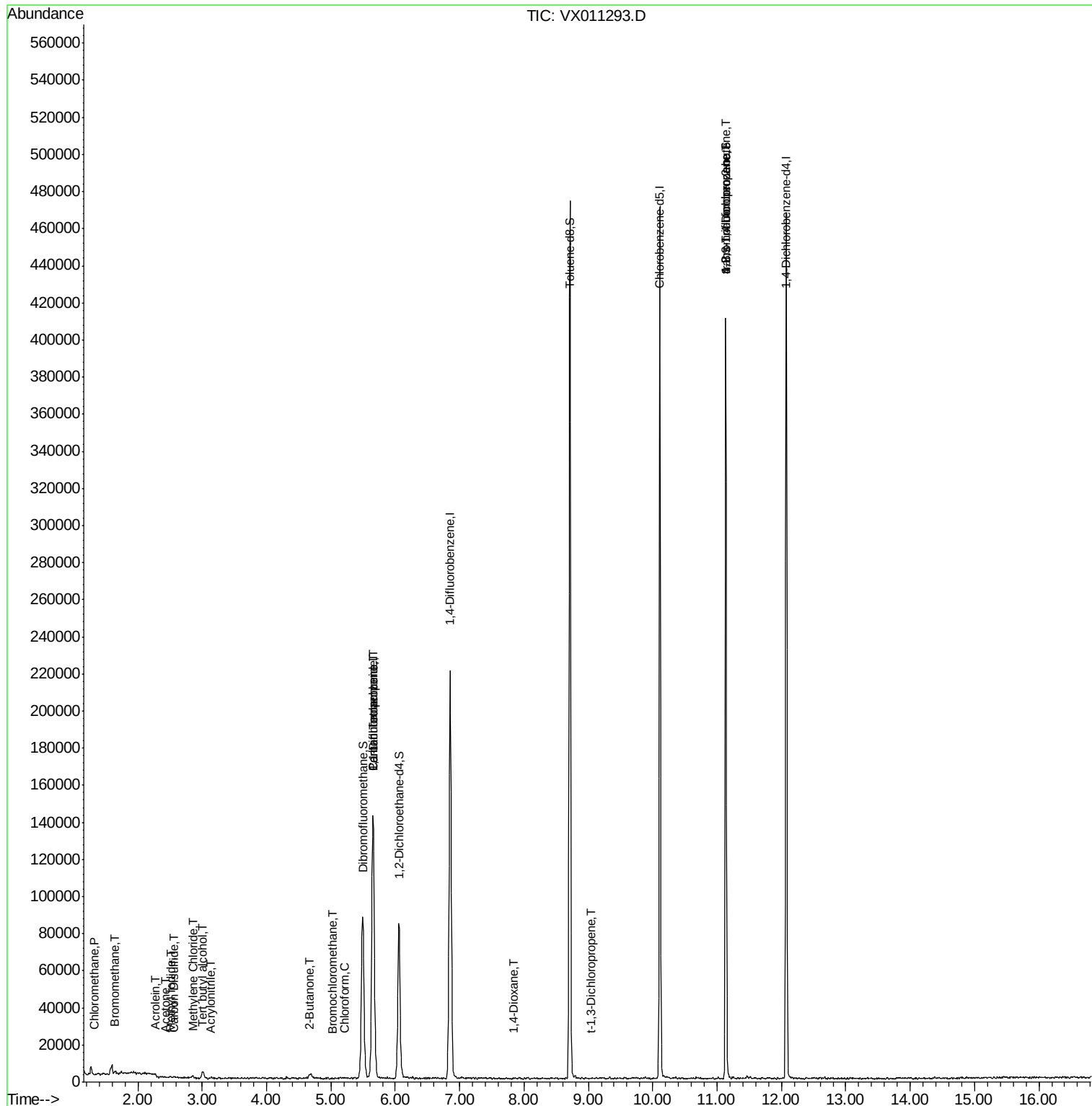
Target Compounds					Qvalue	
3) Chloromethane	1.32	50	500	0.399	ug/l	92
5) Bromomethane	1.65	94	617	0.627	ug/l #	78
6) Chloroethane	1.72	64	102	Below Cal	#	43
10) Methyl Iodide	2.52	142	408	0.244	ug/l #	75
11) Tert butyl alcohol	3.01	59	2066	7.138	ug/l #	76
13) Acrolein	2.28	56	144	0.376	ug/l	97
15) Acrylonitrile	3.13	53	211	0.305	ug/l #	24
16) Acetone	2.43	43	380	0.548	ug/l #	80
17) Carbon Disulfide	2.56	76	662	0.214	ug/l #	75
20) Methylene Chloride	2.85	84	525	0.346	ug/l #	57
25) 2-Butanone	4.67	43	267	0.271	ug/l #	46
28) Bromochloromethane	5.02	49	220	0.212	ug/l #	21
30) Chloroform	5.21	83	542	0.219	ug/l #	82
36) 1,1-Dichloropropene	5.66	75	9608	4.691	ug/l #	40
38) Carbon Tetrachloride	5.65	117	13350	6.479	ug/l #	14
49) 1,4-Dioxane	7.83	88	22	0.491	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	70	2.867	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	46312	24.909	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	46312	65.018	ug/l #	10

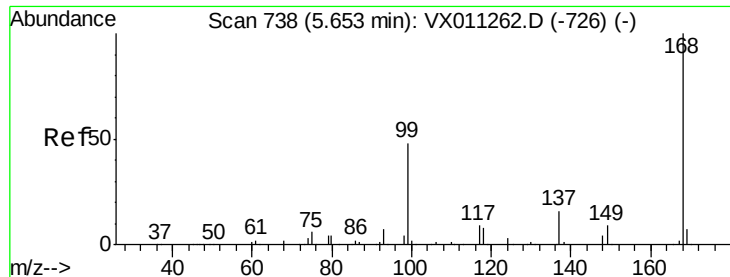
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

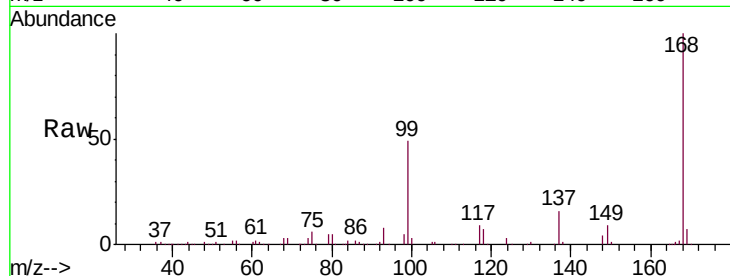
VX0802MBL01

Tgt Ion:168 Resp: 144588

Ion Ratio Lower Upper

168 100

99 49.0 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

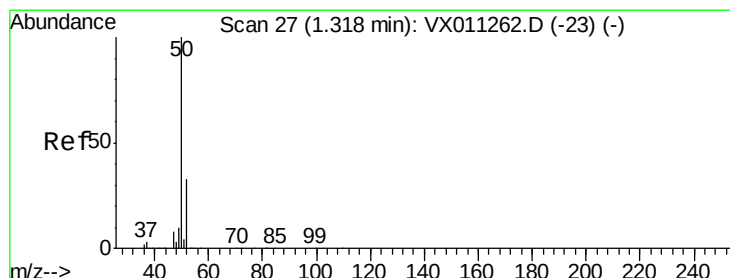
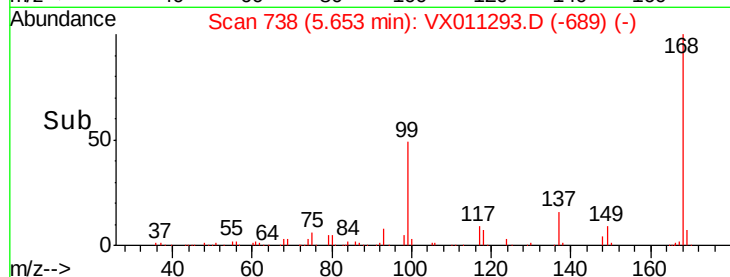
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.399 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011293.D

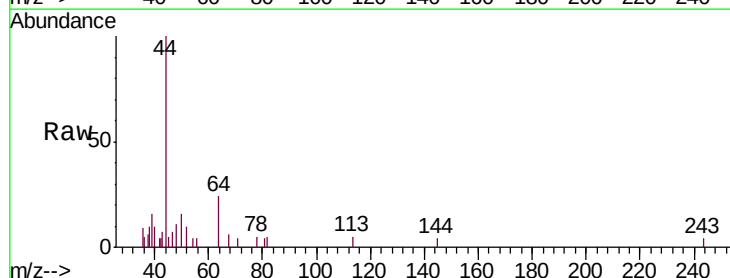
Acq: 02 Aug 2019 10:40

Tgt Ion: 50 Resp: 500

Ion Ratio Lower Upper

50 100

52 37.8 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

250

200

150

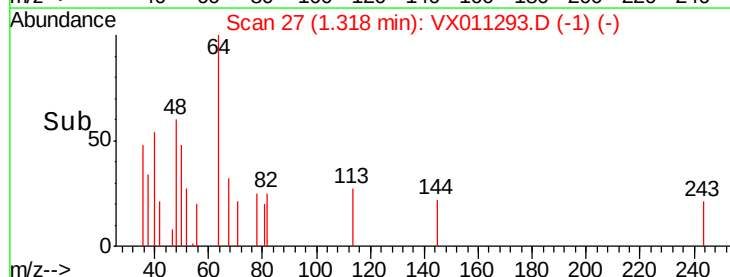
100

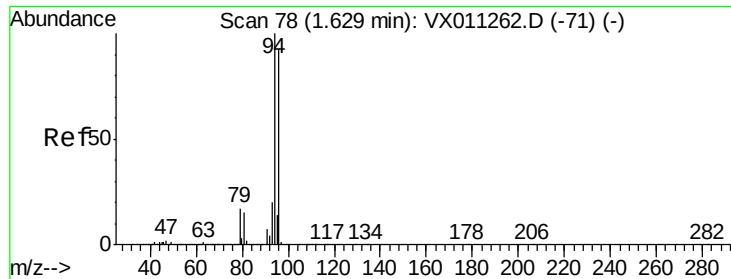
50

0

Time-->

1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.627 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

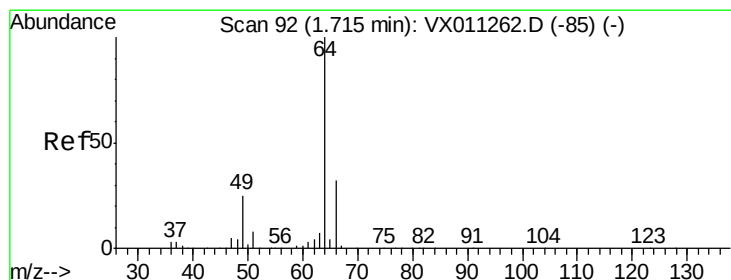
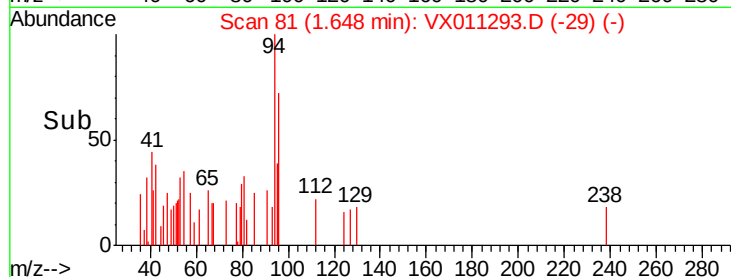
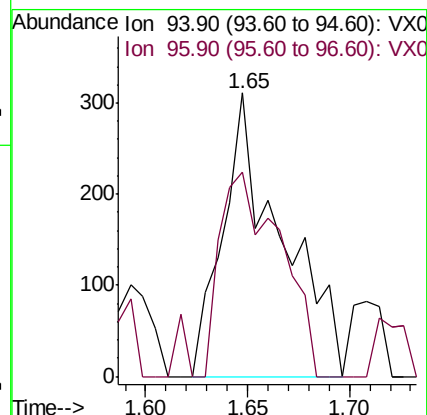
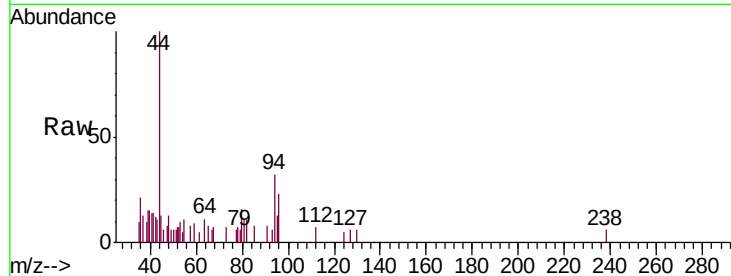
VX0802MBL01

Tgt Ion: 94 Resp: 617

Ion Ratio Lower Upper

94 100

96 72.0 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011293.D

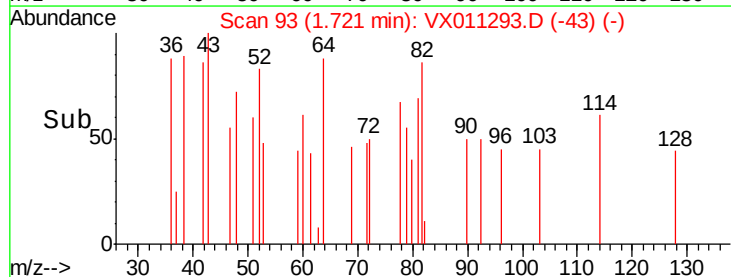
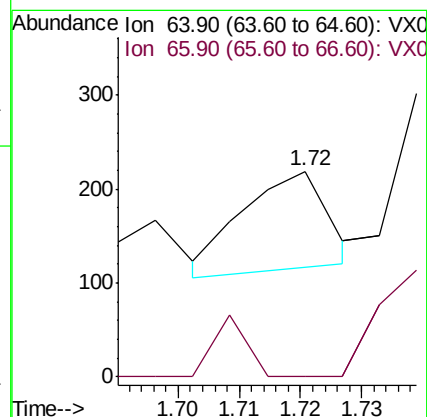
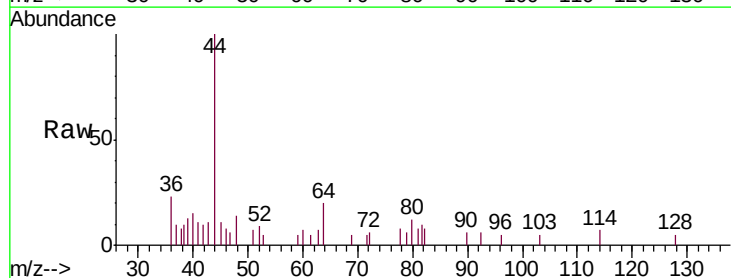
Acq: 02 Aug 2019 10:40

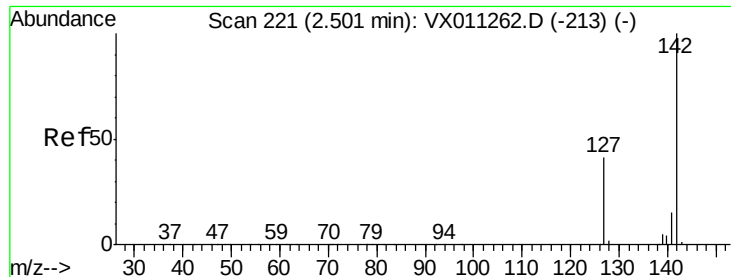
Tgt Ion: 64 Resp: 102

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

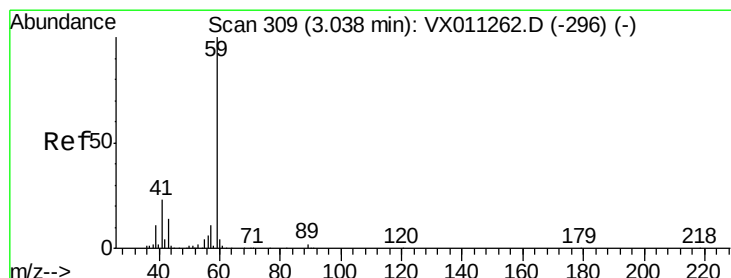
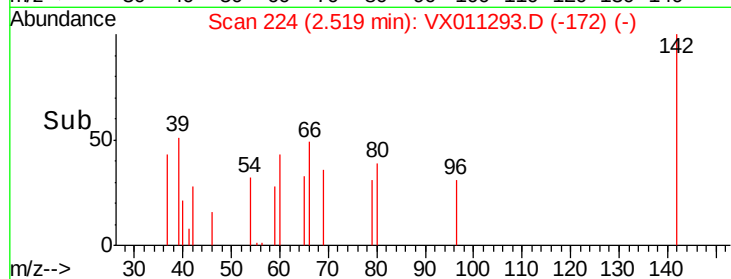
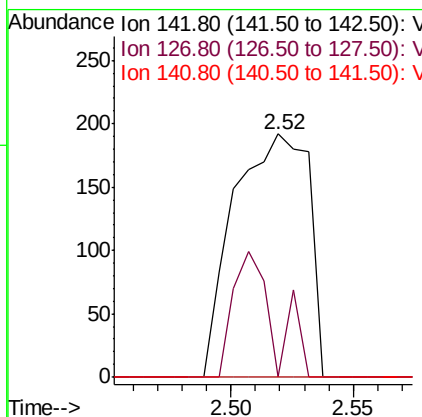
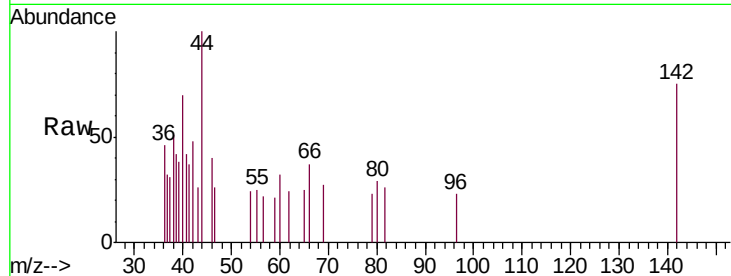




#10
Methyl Iodide
Concen: 0.244 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.02 min
Lab File: VX011293.D
Acq: 02 Aug 2019 10:40

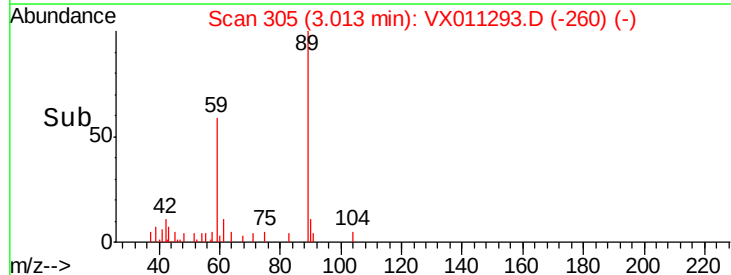
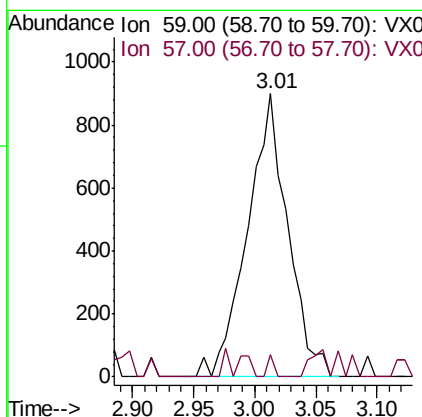
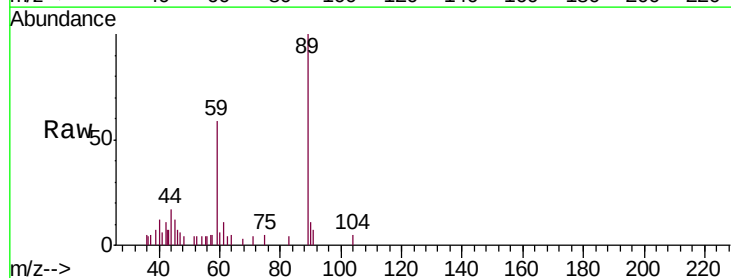
Instrument :
MSVOA_N
ClientSampled :
VX0802MBL01

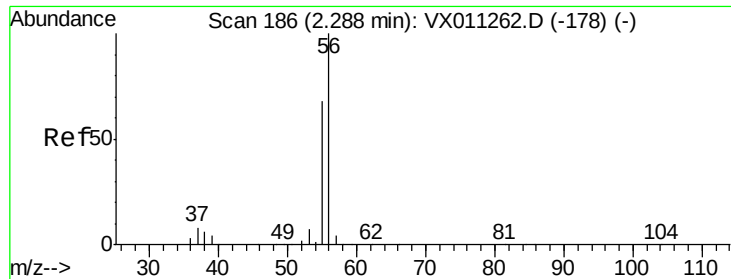
Tgt Ion: 142 Resp: 408
Ion Ratio Lower Upper
142 100
127 28.2 33.8 50.8#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 7.138 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011293.D
Acq: 02 Aug 2019 10:40

Tgt Ion: 59 Resp: 2066
Ion Ratio Lower Upper
59 100
57 1.3 8.3 12.5#





#13

Acrolein

Concen: 0.376 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

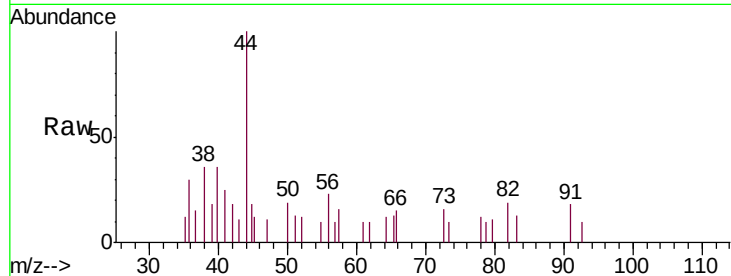
VX0802MBL01

Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

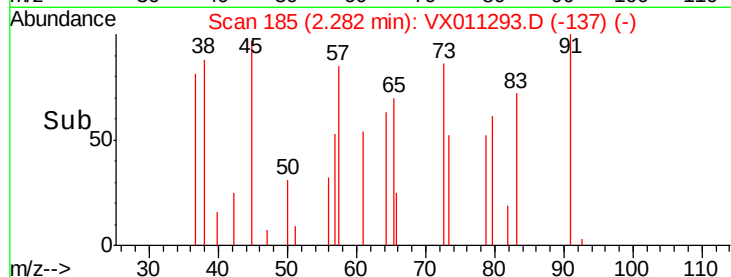
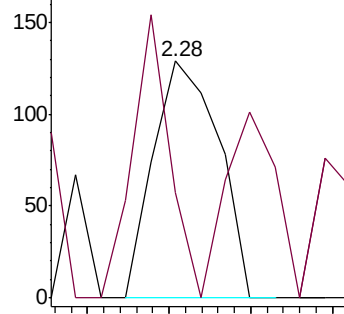
56 100

55 67.4 56.0 84.0

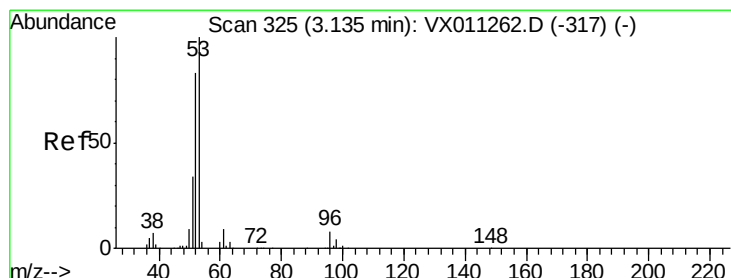


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.305 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

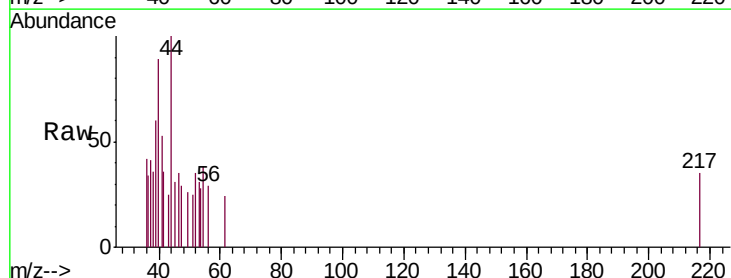
Tgt Ion: 53 Resp: 211

Ion Ratio Lower Upper

53 100

52 0.0 65.5 98.3#

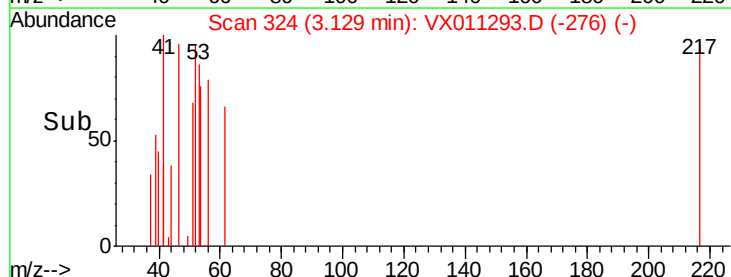
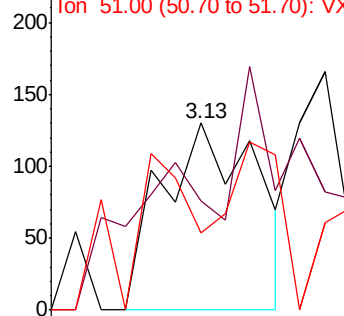
51 57.3 27.9 41.9#



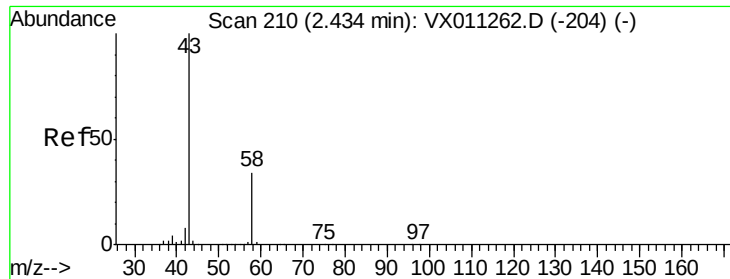
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.548 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

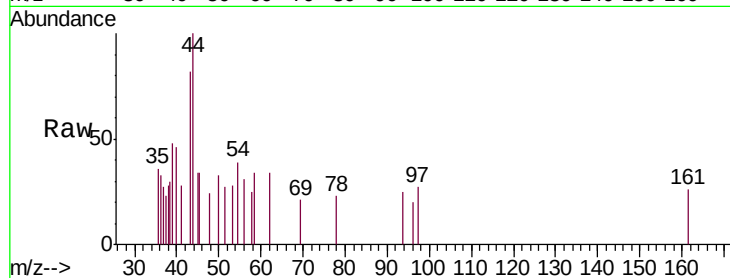
VX0802MBL01

Tgt Ion: 43 Resp: 380

Ion Ratio Lower Upper

43 100

58 45.7 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2.44

2.45

2.46

2.47

2.48

2.49

2.50

2.51

2.52

2.53

2.54

2.55

2.56

2.57

2.58

2.59

2.60

2.61

2.62

2.63

2.64

2.65

2.66

2.67

2.68

2.69

2.70

2.71

2.72

2.73

2.74

2.75

2.76

2.77

2.78

2.79

2.80

2.81

2.82

2.83

2.84

2.85

2.86

2.87

2.88

2.89

2.90

2.91

2.92

2.93

2.94

2.95

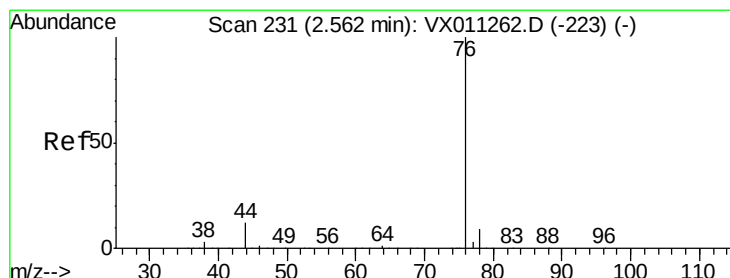
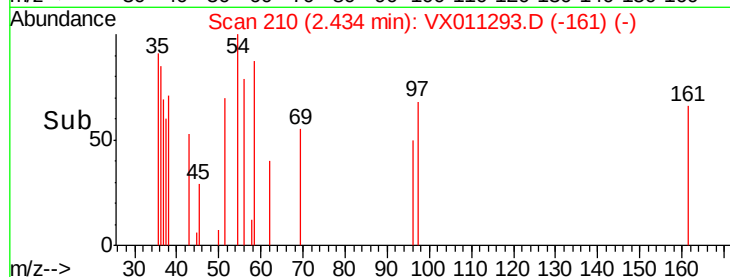
2.96

2.97

2.98

2.99

3.00



#17

Carbon Disulfide

Concen: 0.214 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011293.D

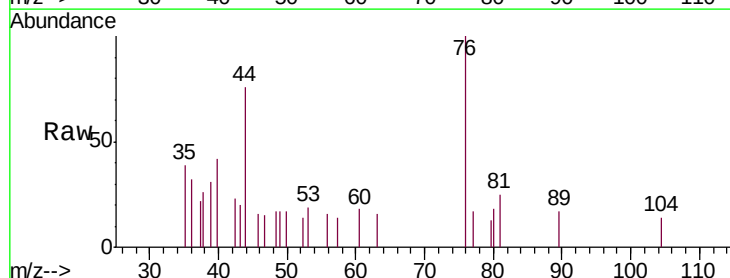
Acq: 02 Aug 2019 10:40

Tgt Ion: 76 Resp: 662

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

2.57

2.58

2.59

2.60

2.61

2.62

2.63

2.64

2.65

2.66

2.67

2.68

2.69

2.70

2.71

2.72

2.73

2.74

2.75

2.76

2.77

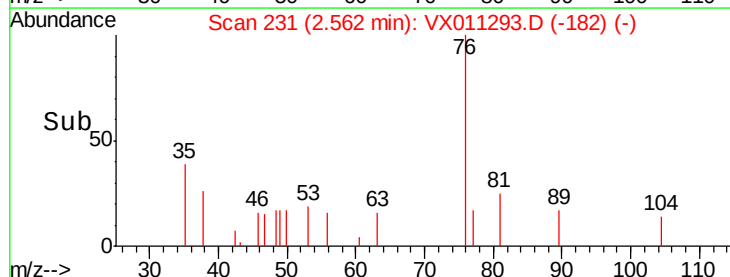
2.78

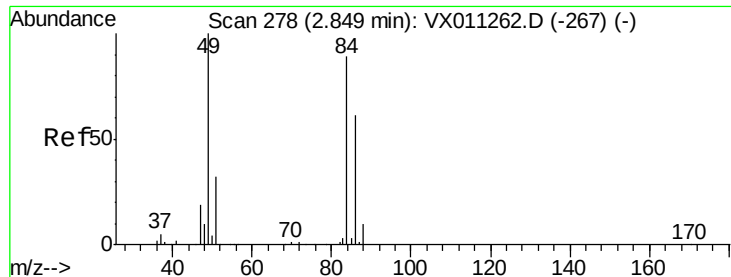
2.79

2.80

2.81

2.82

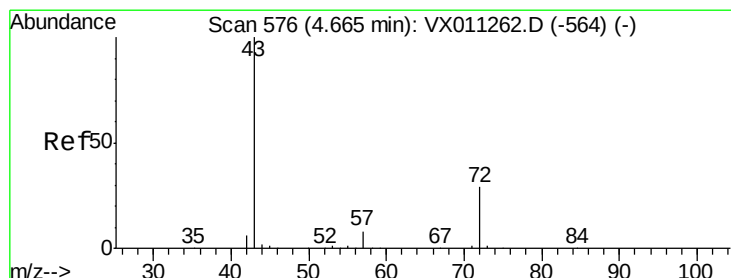
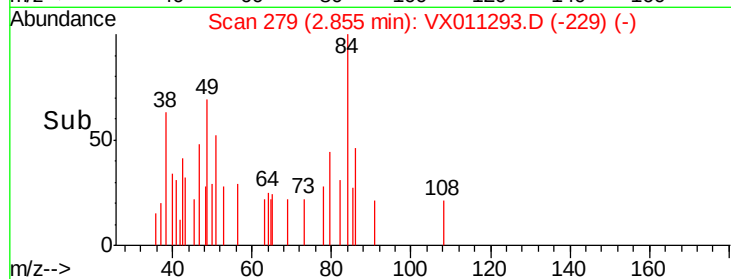
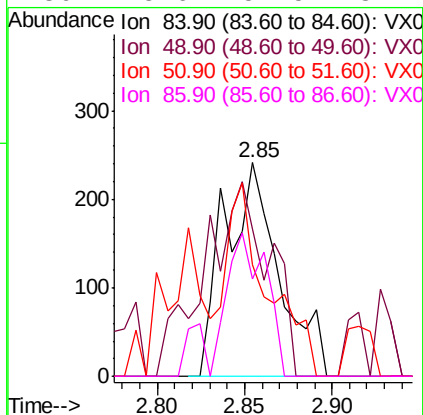
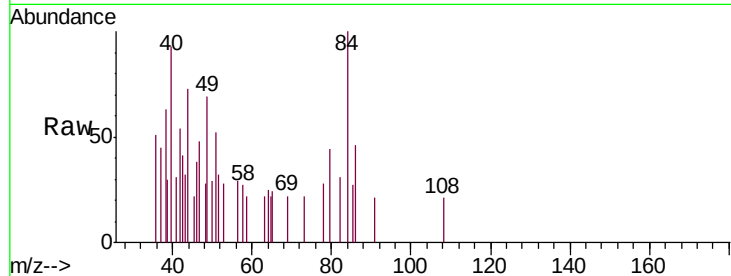




#20
Methylene Chloride
Concen: 0.346 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011293.D
Acq: 02 Aug 2019 10:40

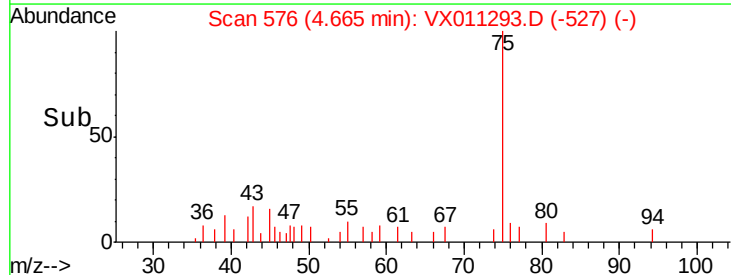
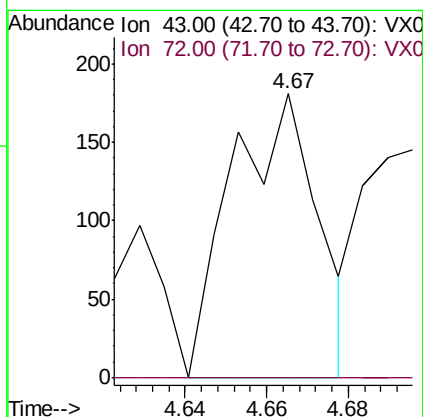
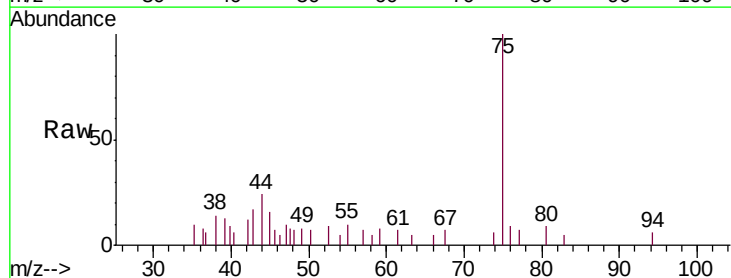
Instrument :
MSVOA_N
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VX0802MBL01

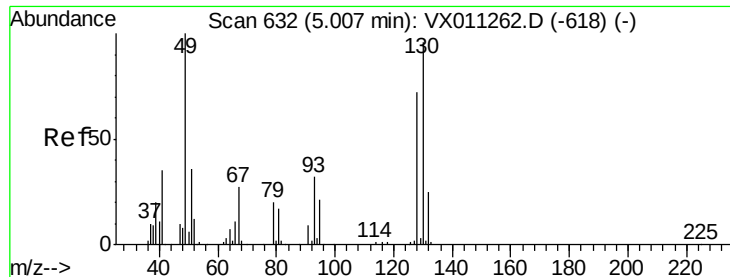
Tgt Ion: 84 Resp: 525
Ion Ratio Lower Upper
84 100
49 69.3 89.3 133.9#
51 84.2 28.3 42.5#
86 45.6 54.5 81.7#



#25
2-Butanone
Concen: 0.271 ug/l
RT: 4.67 min Scan# 576
Delta R.T. 0.00 min
Lab File: VX011293.D
Acq: 02 Aug 2019 10:40

Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
72 0.0 23.2 34.8#





#28

Bromochloromethane

Concen: 0.212 ug/l

RT: 5.02 min Scan# 635

Delta R.T. 0.02 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VX0802MBL01

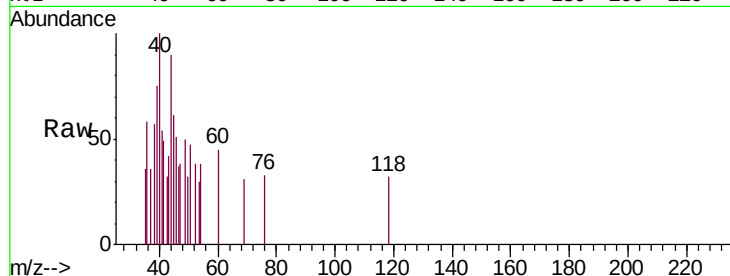
Tgt Ion: 49 Resp: 220

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.8

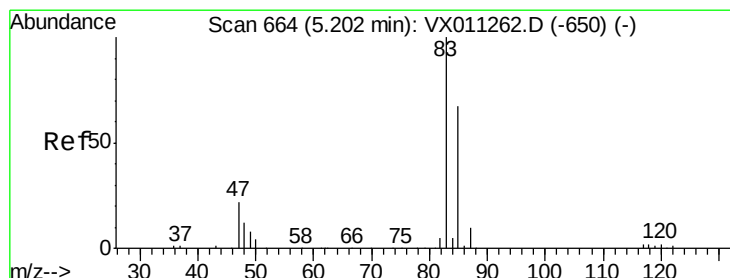
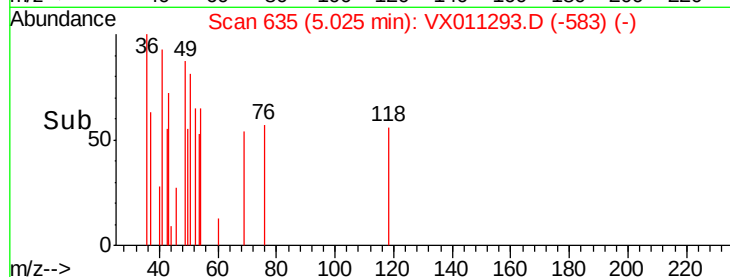
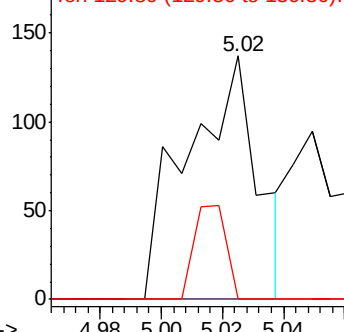
130 17.3 77.9 116.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 0.219 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.01 min

Lab File: VX011293.D

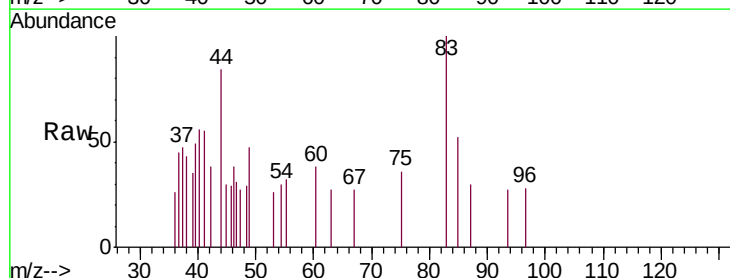
Acq: 02 Aug 2019 10:40

Tgt Ion: 83 Resp: 542

Ion Ratio Lower Upper

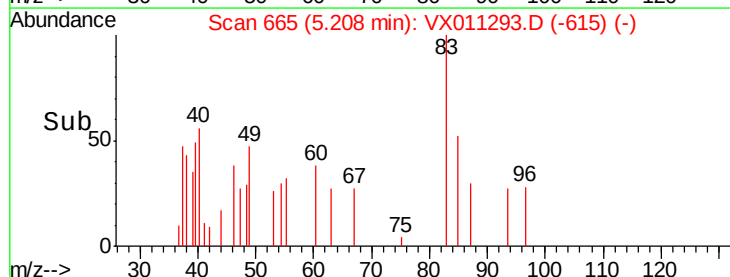
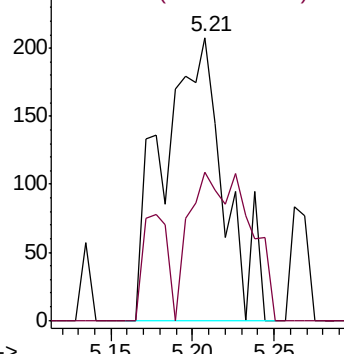
83 100

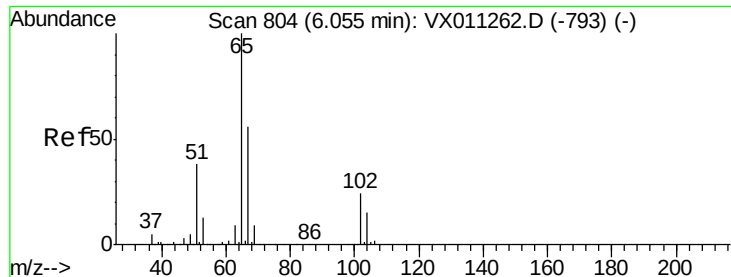
85 52.4 53.4 80.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

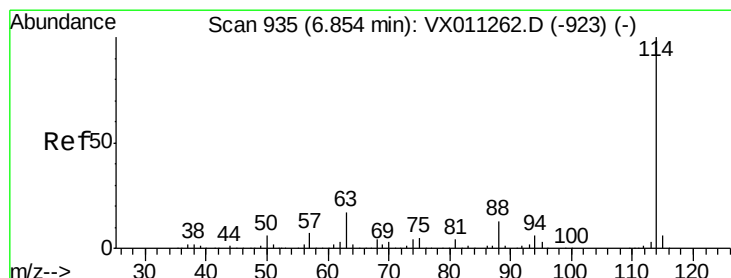
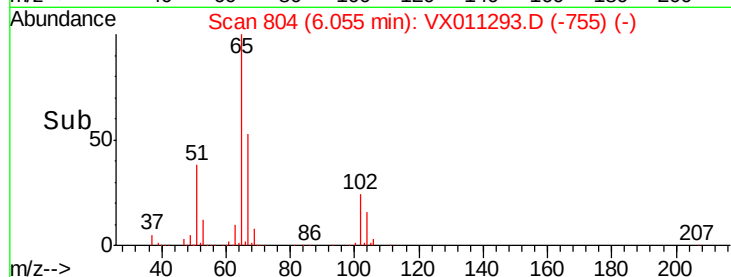
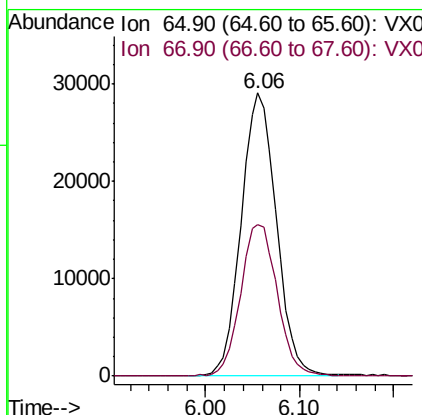
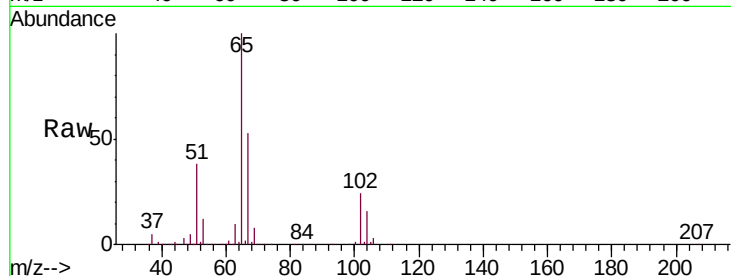




#33
 1,2-Dichloroethane-d4
 Concen: 52.105 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011293.D
 Acq: 02 Aug 2019 10:40

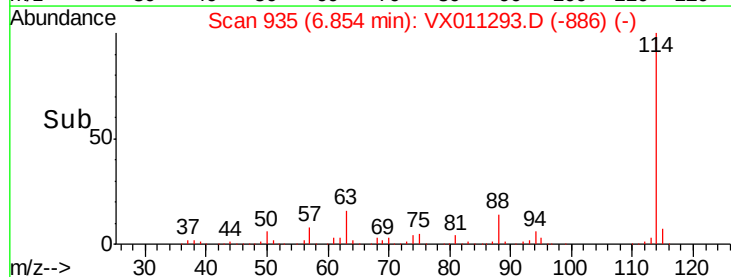
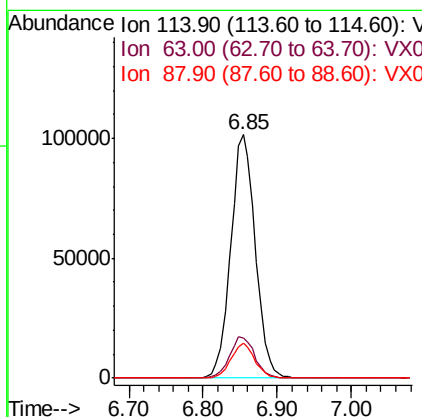
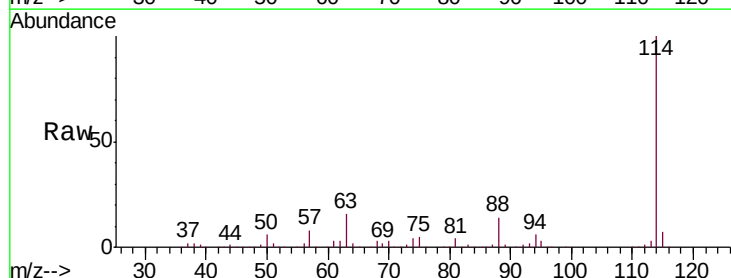
Instrument :
 MSVOA_N
 ClientSampleId :
 VX0802MBL01

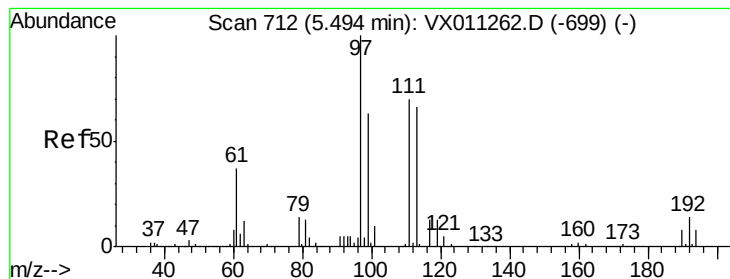
Tgt Ion: 65 Resp: 75869
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011293.D
 Acq: 02 Aug 2019 10:40

Tgt Ion: 114 Resp: 234587
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 34.0
 88 14.4 0.0 26.4





#35

Dibromofluoromethane

Concen: 47.756 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

VX0802MBL01

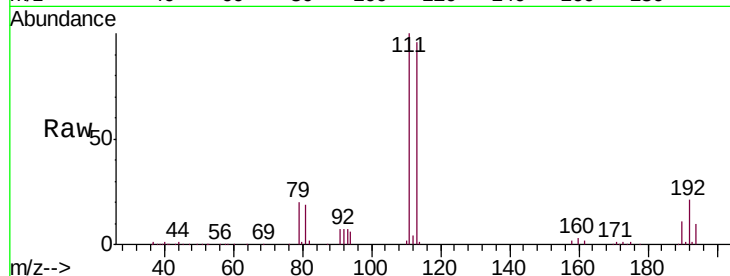
Tgt Ion:113 Resp: 73142

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

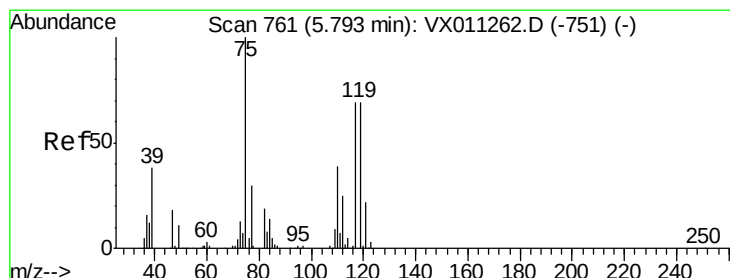
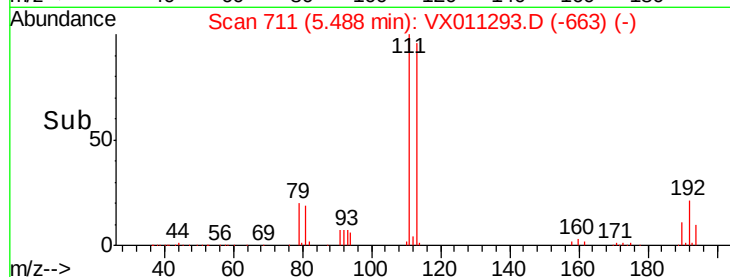
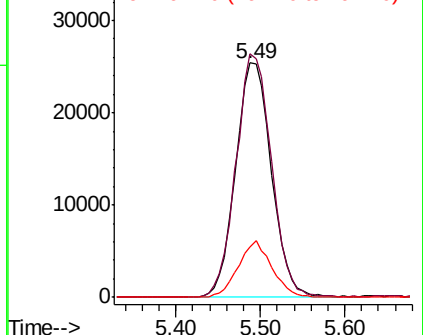
192 22.5 17.8 26.8



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: 4.691 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

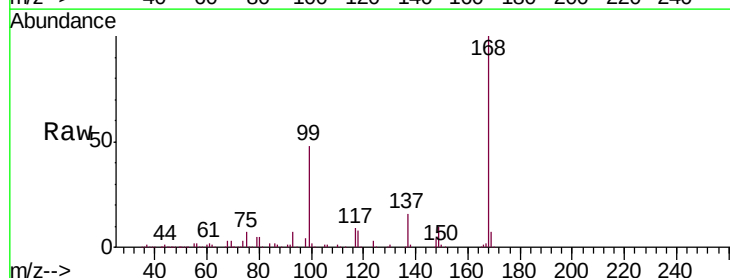
Tgt Ion: 75 Resp: 9608

Ion Ratio Lower Upper

75 100

110 0.0 20.0 59.9#

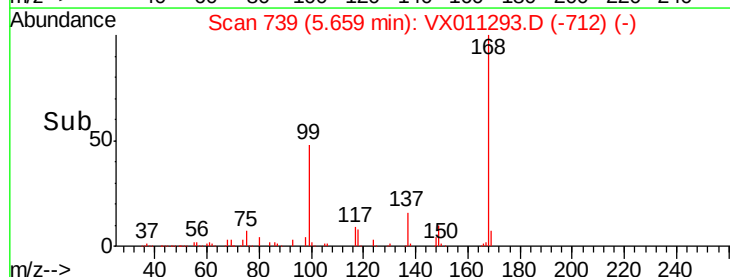
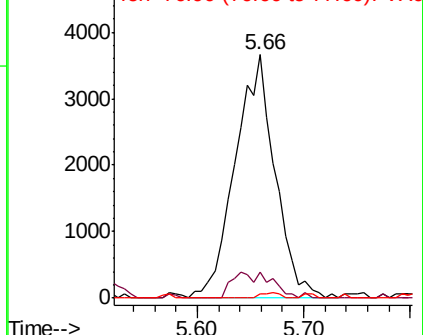
77 1.1 24.8 37.2#

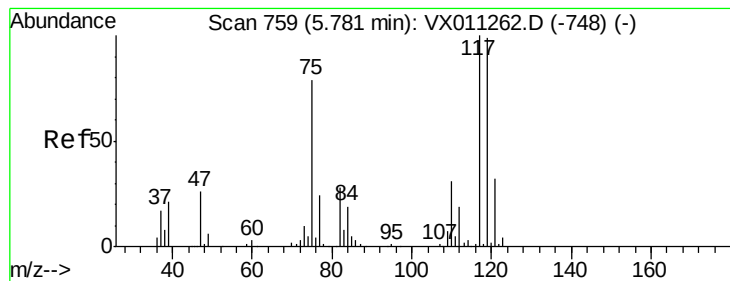


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.479 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

VX0802MBL01

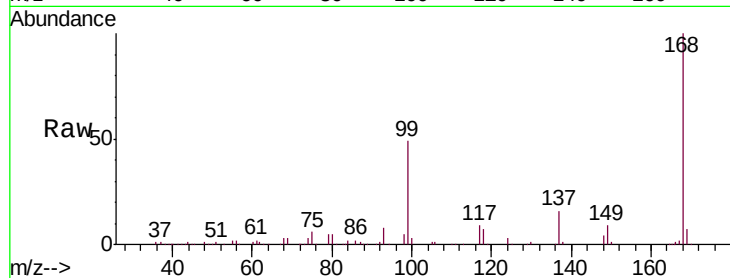
Tgt Ion: 117 Resp: 13350

Ion Ratio Lower Upper

117 100

119 3.9 79.0 118.4#

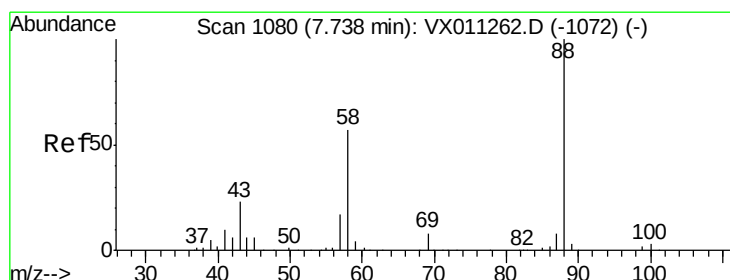
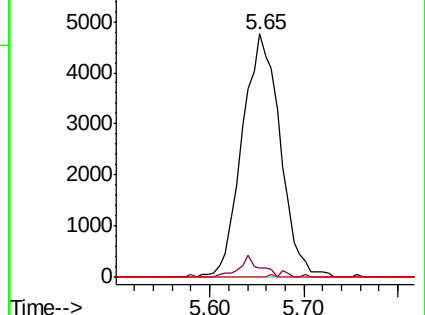
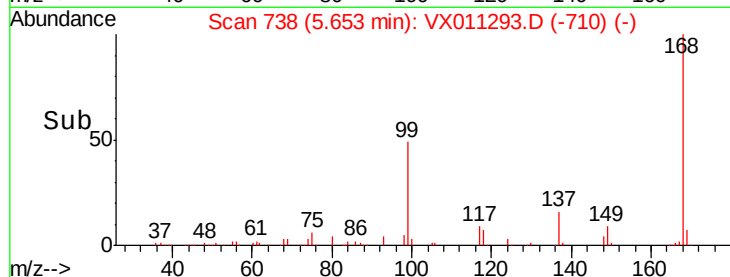
121 0.0 25.9 38.9#



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: 0.491 ug/l

RT: 7.83 min Scan# 1095

Delta R.T. 0.09 min

Lab File: VX011293.D

Acq: 02 Aug 2019 10:40

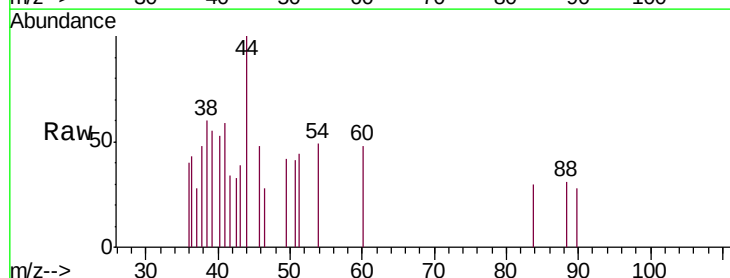
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 804.5 22.2 33.2#

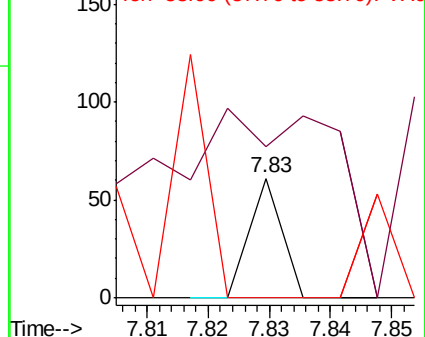
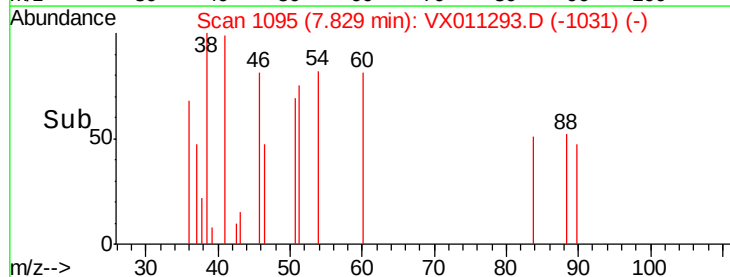
58 204.5 47.8 71.8#

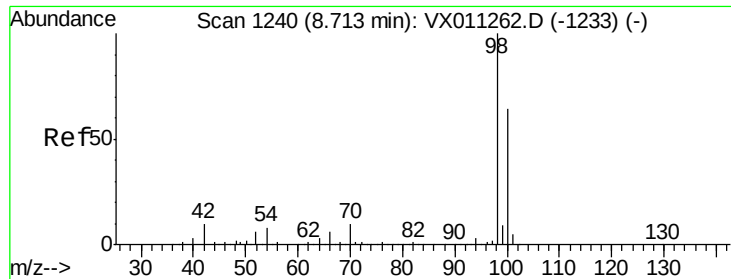


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

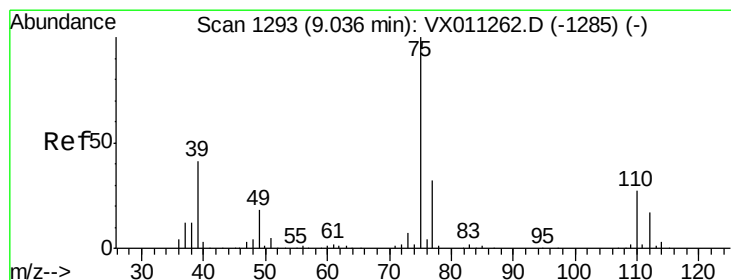
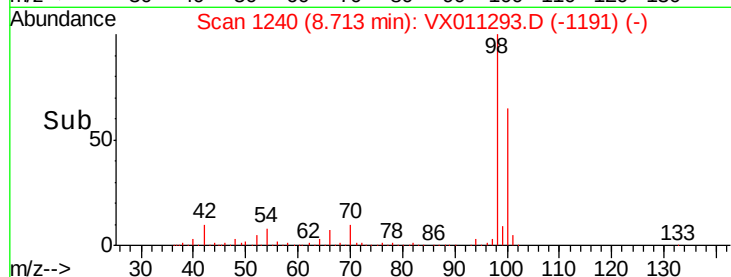
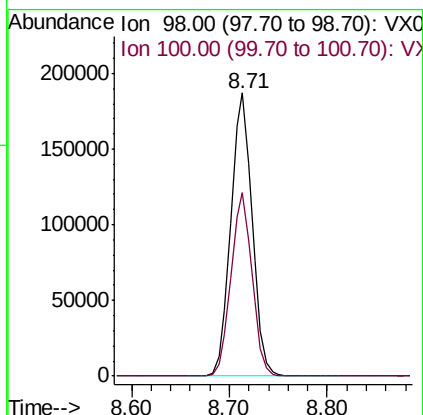
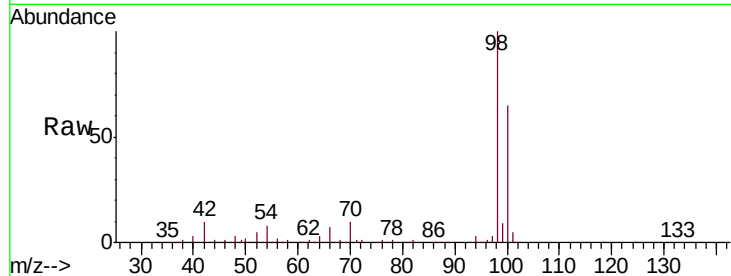




#50
Toluene-d8
Concen: 48.965 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011293.D
Acq: 02 Aug 2019 10:40

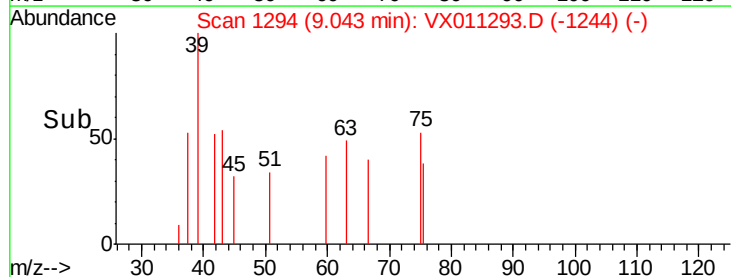
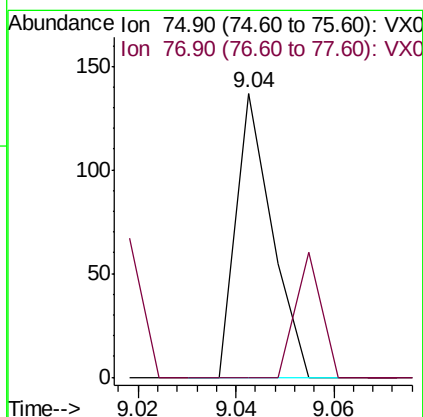
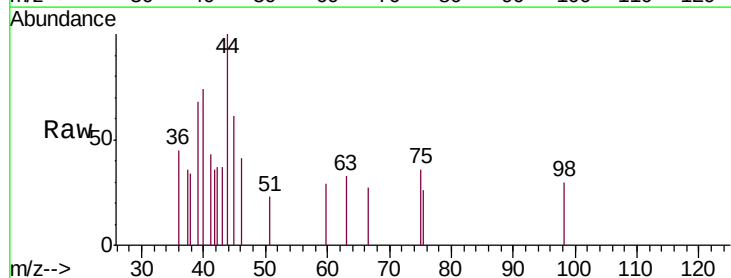
Instrument :
MSVOA_N
ClientSampled :
VX0802MBL01

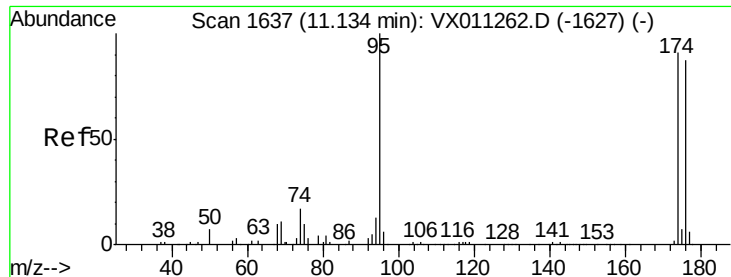
Tgt Ion: 98 Resp: 283076
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 2.867 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX011293.D
Acq: 02 Aug 2019 10:40

Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

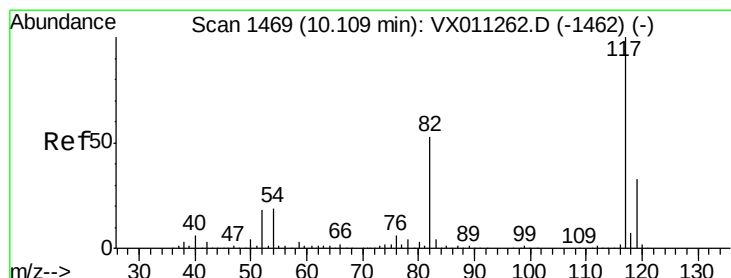
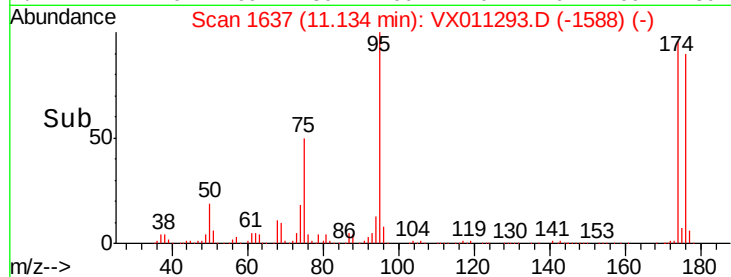
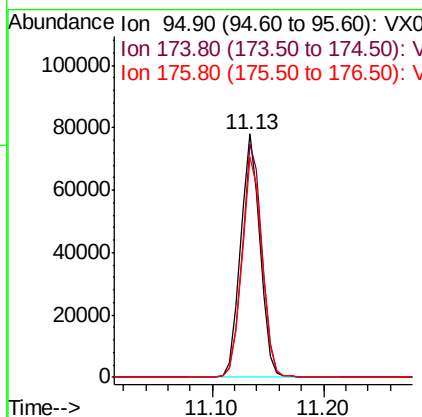
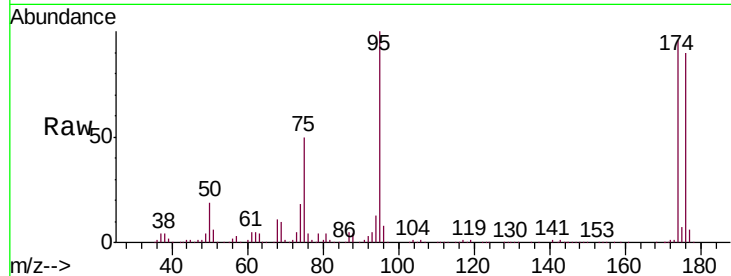




#62
4-Bromofluorobenzene
Concen: 45.666 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011293.D
Acq: 02 Aug 2019 10:40

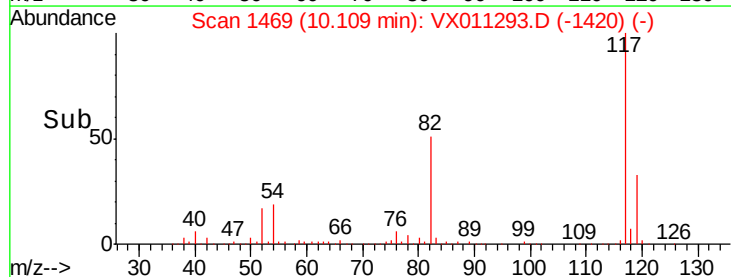
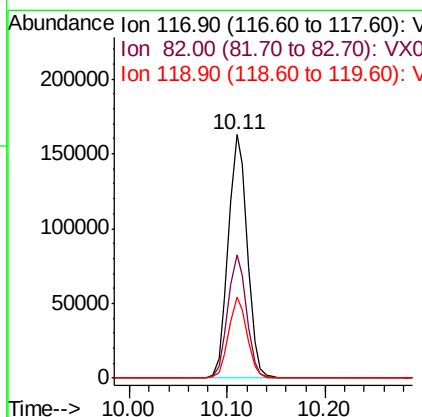
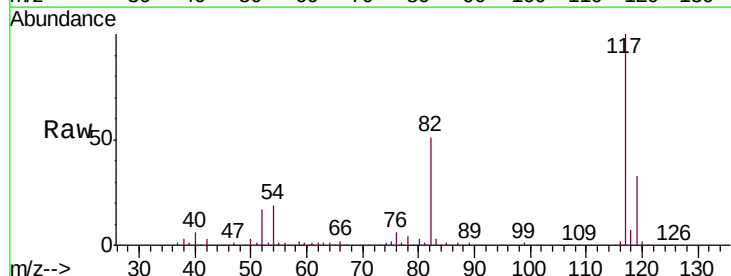
Instrument :
MSVOA_N
ClientSampled :
VX0802MBL01

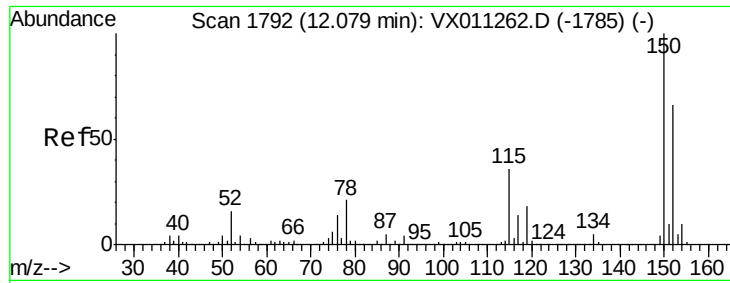
Tgt Ion: 95 Resp: 94257
Ion Ratio Lower Upper
95 100
174 97.8 0.0 191.2
176 93.3 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011293.D
Acq: 02 Aug 2019 10:40

Tgt Ion: 117 Resp: 220472
Ion Ratio Lower Upper
117 100
82 50.9 42.2 63.2
119 33.3 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: VX011293.D

Acq: 02 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VX0802MBL01

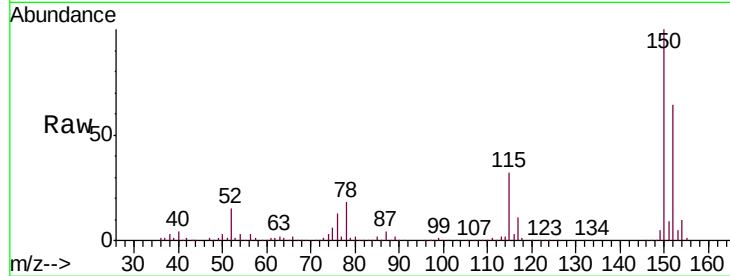
Tgt Ion:152 Resp: 102095

Ion Ratio Lower Upper

152 100

115 53.8 40.0 119.9

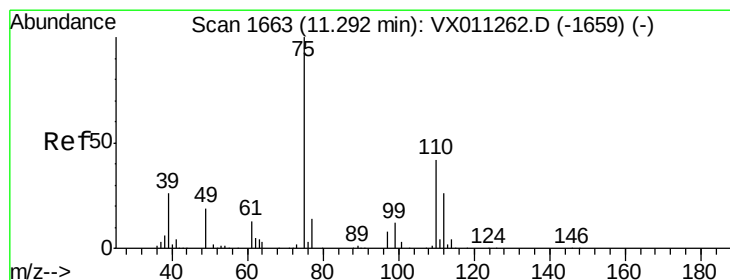
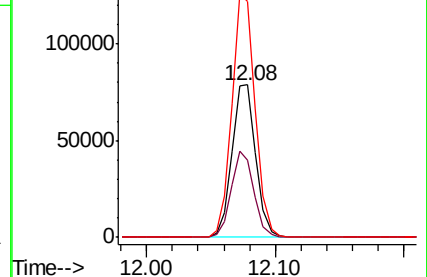
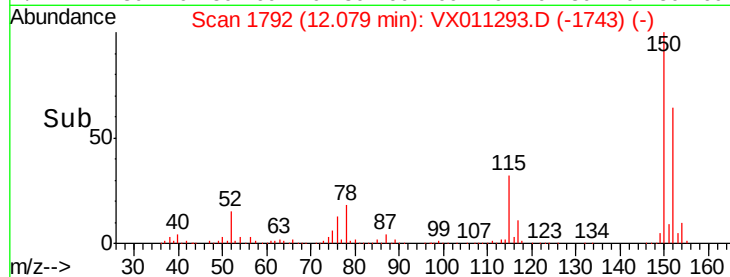
150 156.6 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.909 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011293.D

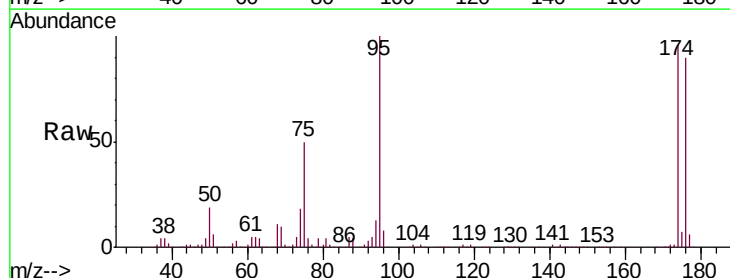
Acq: 02 Aug 2019 10:40

Tgt Ion: 75 Resp: 46312

Ion Ratio Lower Upper

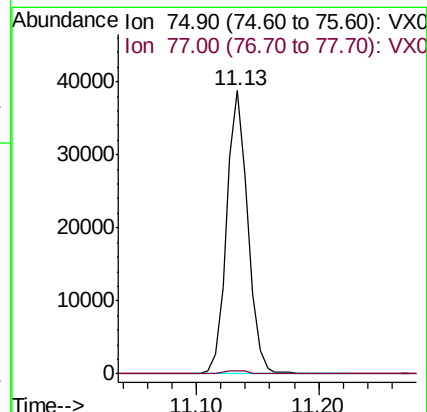
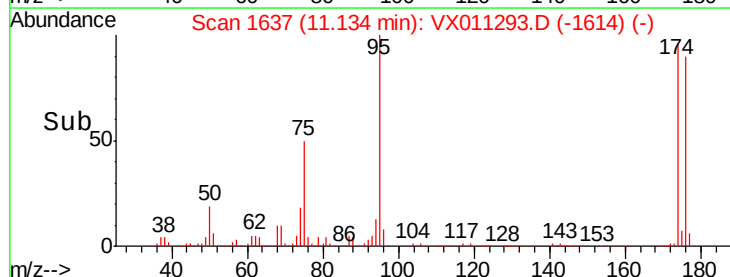
75 100

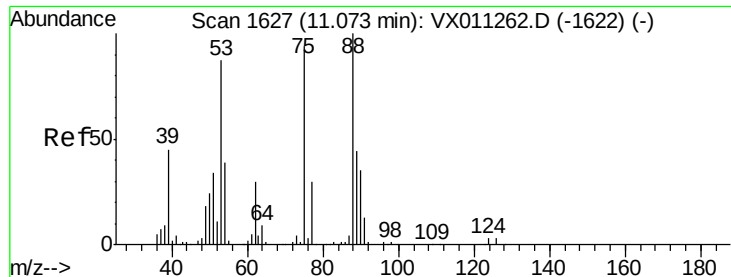
77 1.5 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.018 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011293.D
 Acq: 02 Aug 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VX0802MBL01

Tgt Ion: 75 Resp: 46312
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.2 117.4#
 89 0.0 37.9 56.9#

