

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004029.D
 Acq On : 14 Aug 2018 14:28
 Operator : JC/MD
 Sample : VX0814WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBL01

Quant Time: Aug 14 14:48:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	301713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	476253	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	452190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	246994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	213736	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
35) Dibromofluoromethane	5.50	113	179499	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	8.71	98	679817	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
62) 4-Bromofluorobenzene	11.14	95	236638	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	

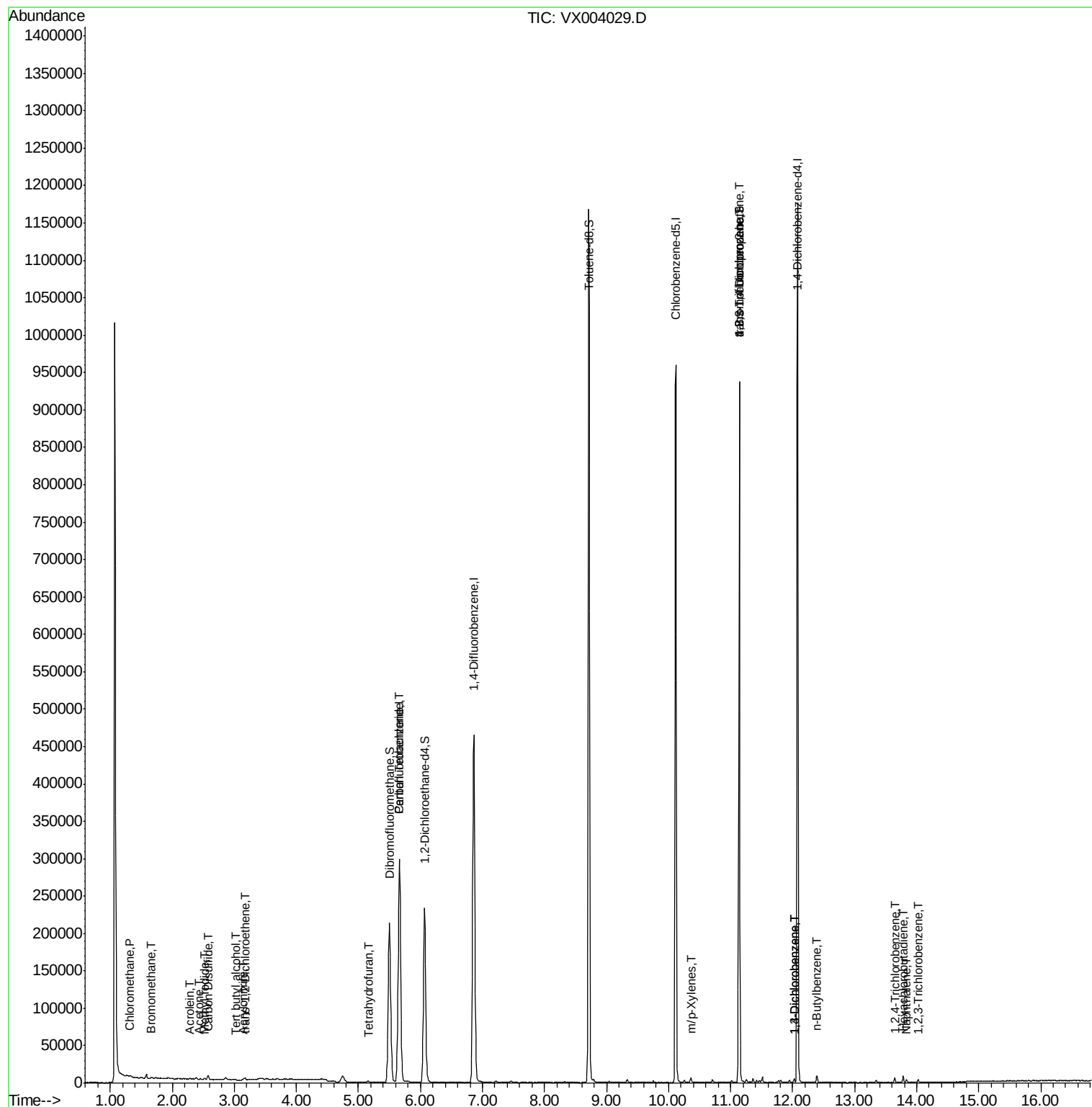
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	838	0.233	ug/l	95
5) Bromomethane	1.65	94	911	0.283	ug/l	99
6) Chloroethane	1.73	64	705	Below Cal	#	74
10) Methyl Iodide	2.52	142	723	5.189	ug/l #	82
11) Tert butyl alcohol	3.02	59	485	0.567	ug/l #	73
13) Acrolein	2.29	56	601	11.939	ug/l #	60
15) Acrylonitrile	3.14	53	1252	0.587	ug/l #	92
16) Acetone	2.43	43	843	0.381	ug/l #	66
17) Carbon Disulfide	2.57	76	6495	0.721	ug/l	96
20) Methylene Chloride	2.86	84	1310	Below Cal	#	92
21) trans-1,2-Dichloroethene	3.17	96	1008	0.280	ug/l	98
29) Tetrahydrofuran	5.17	42	1054	0.574	ug/l #	83
38) Carbon Tetrachloride	5.67	117	26913	5.111	ug/l #	15
68) m/p-Xylenes	10.37	106	1581	0.218	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	114441	23.104	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	114441	71.520	ug/l #	9
87) 1,3-Dichlorobenzene	12.03	146	2111	0.240	ug/l	94
88) 1,4-Dichlorobenzene	12.03	146	2111	0.233	ug/l	93
89) n-Butylbenzene	12.39	91	2533	0.220	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	1674	0.309	ug/l	87
94) Hexachlorobutadiene	13.78	225	1398	0.515	ug/l	98
95) Naphthalene	13.83	128	2967	1.312	ug/l	96
96) 1,2,3-Trichlorobenzene	14.02	180	1478	0.250	ug/l	96

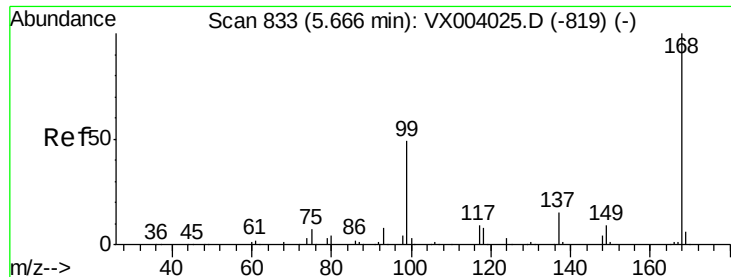
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
Data File : VX004029.D
Acq On : 14 Aug 2018 14:28
Operator : JC/MD
Sample : VX0814WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Quant Time: Aug 14 14:48:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

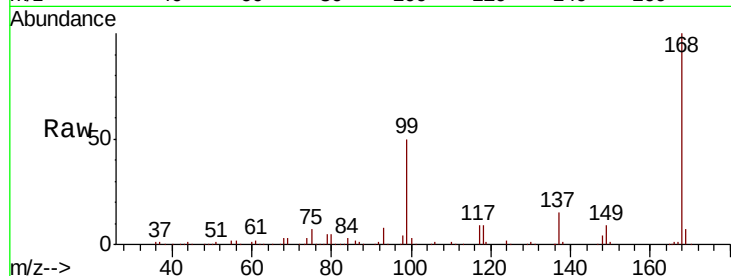
VX0814WBL01

Tgt Ion: 168 Resp: 301713

Ion Ratio Lower Upper

168 100

99 50.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

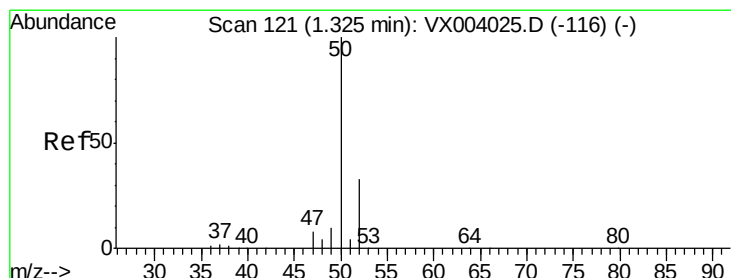
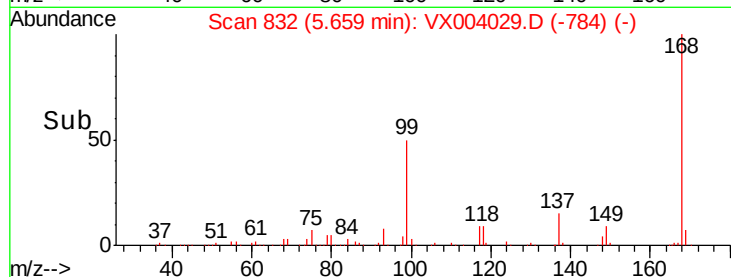
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004029.D

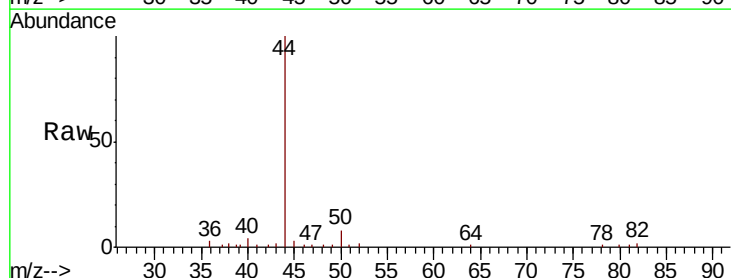
Acq: 14 Aug 2018 14:28

Tgt Ion: 50 Resp: 838

Ion Ratio Lower Upper

50 100

52 30.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

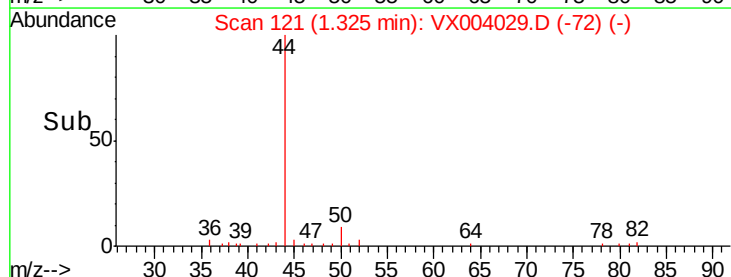
600

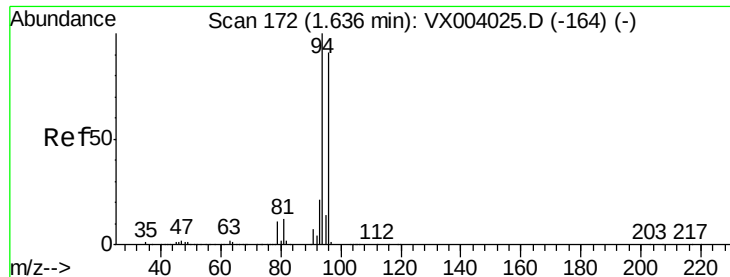
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

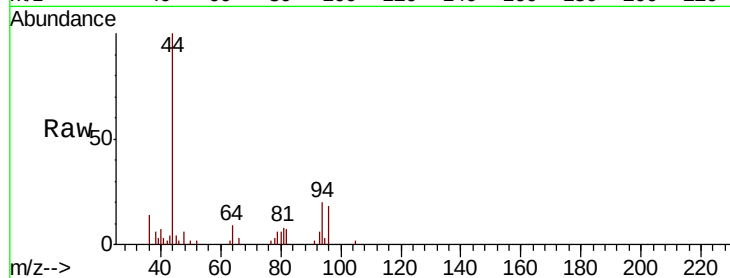
VX0814WBL01

Tgt Ion: 94 Resp: 911

Ion Ratio Lower Upper

94 100

96 94.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

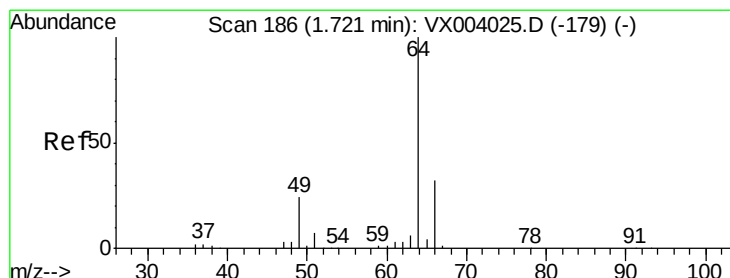
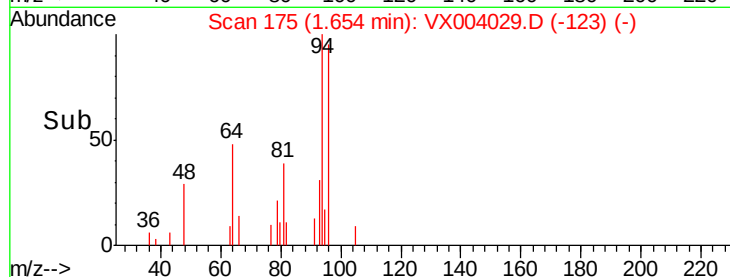
400

200

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004029.D

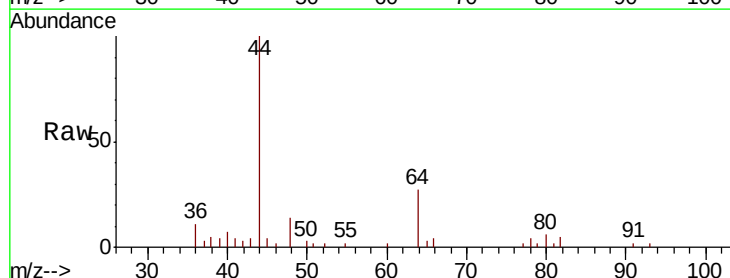
Acq: 14 Aug 2018 14:28

Tgt Ion: 64 Resp: 705

Ion Ratio Lower Upper

64 100

66 18.5 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1000

800

600

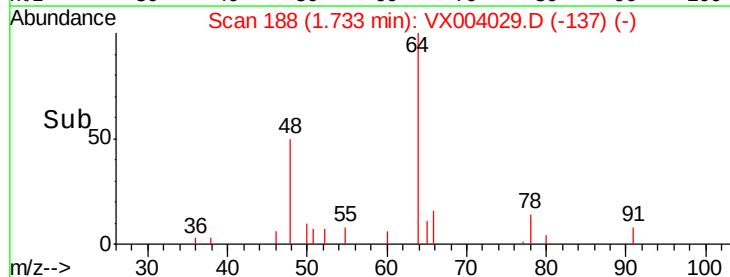
400

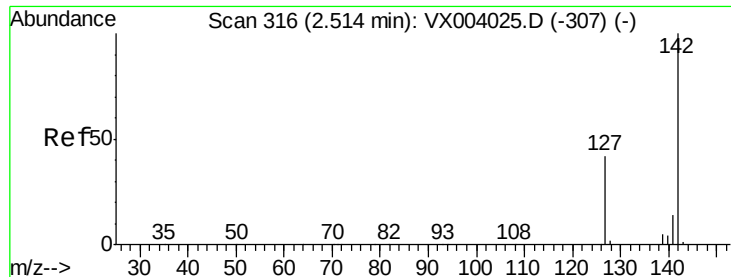
200

0

1.70 1.72 1.74 1.76

Time-->

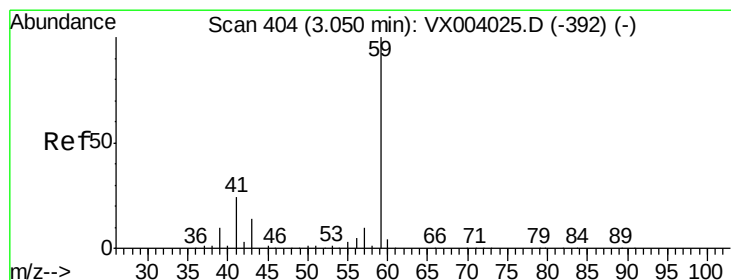
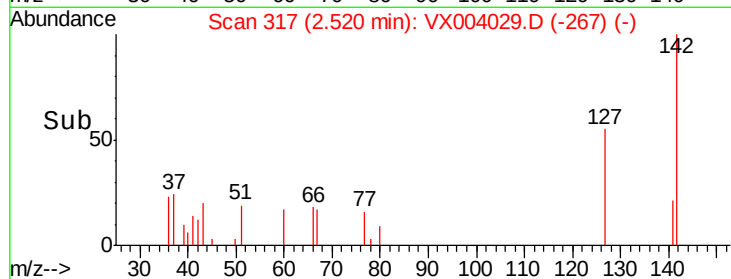
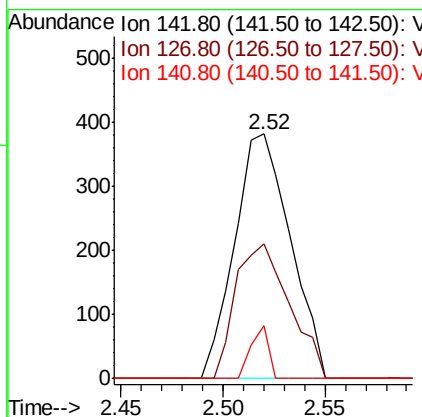
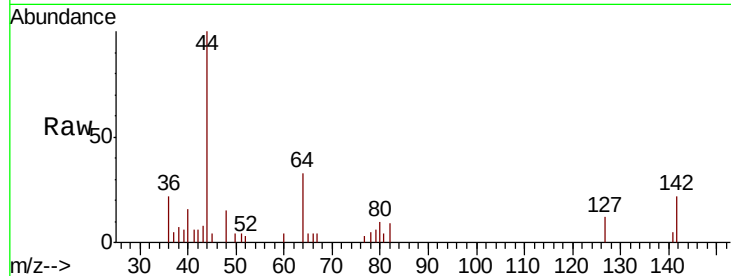




#10
Methyl Iodide
Concen: 5.189 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004029.D
Acq: 14 Aug 2018 14:28

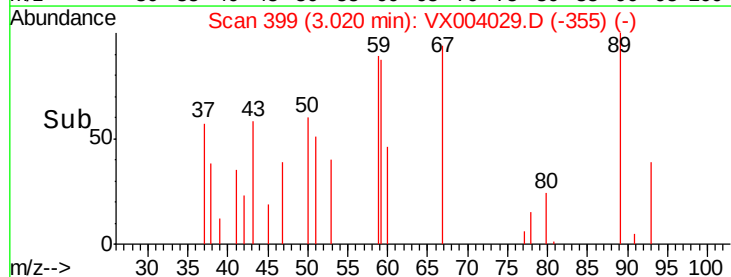
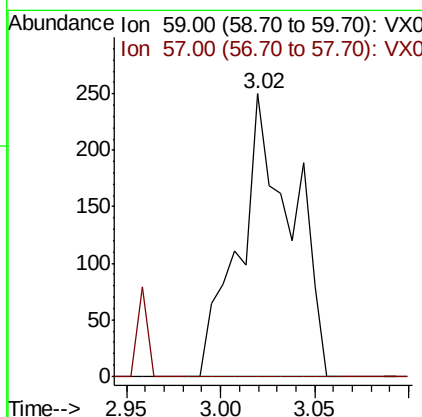
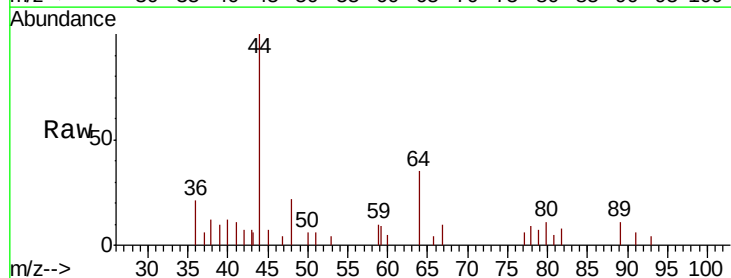
Instrument :
MSVOA_X
ClientSampled :
VX0814WBL01

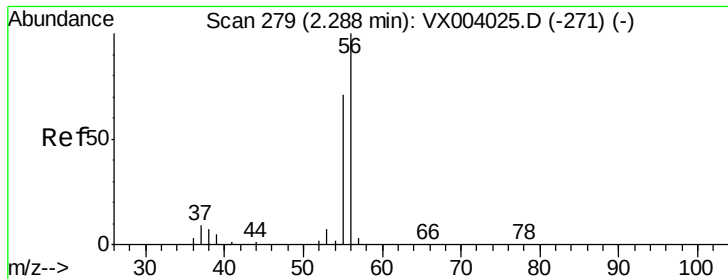
Tgt Ion: 142 Resp: 723
Ion Ratio Lower Upper
142 100
127 53.0 33.1 49.7#
141 6.8 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.567 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.03 min
Lab File: VX004029.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 59 Resp: 485
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 11.939 ug/l

RT: 2.29 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

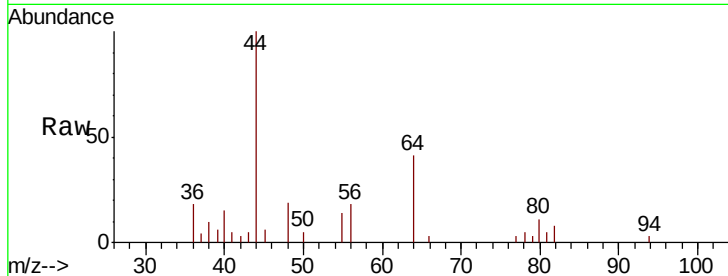
VX0814WBL01

Tgt Ion: 56 Resp: 601

Ion Ratio Lower Upper

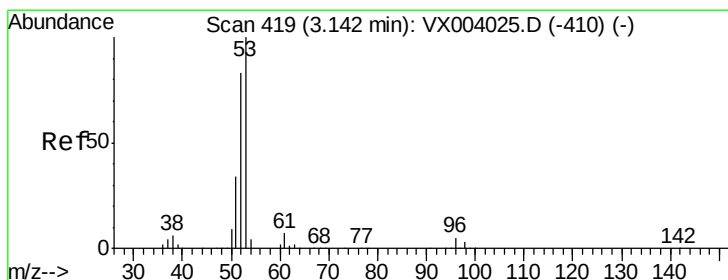
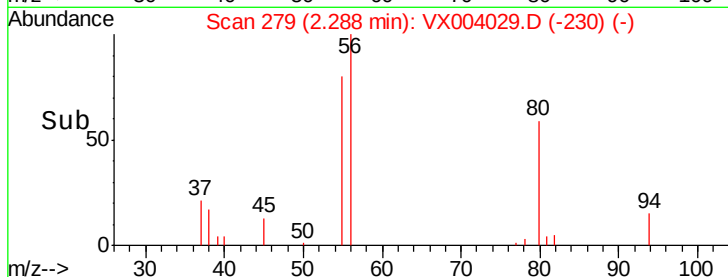
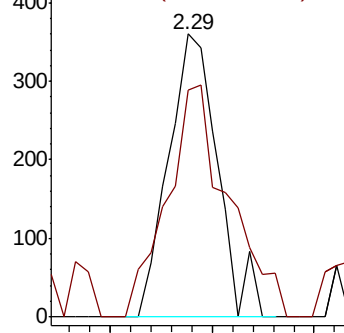
56 100

55 103.2 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.587 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

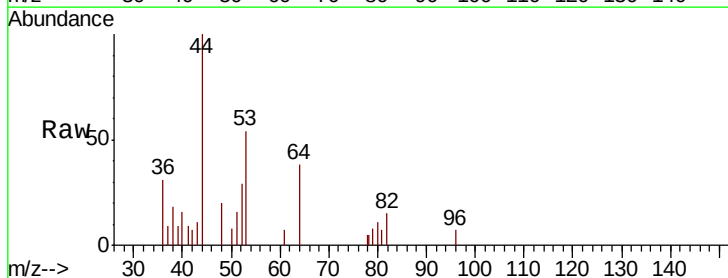
Tgt Ion: 53 Resp: 1252

Ion Ratio Lower Upper

53 100

52 79.1 65.3 97.9

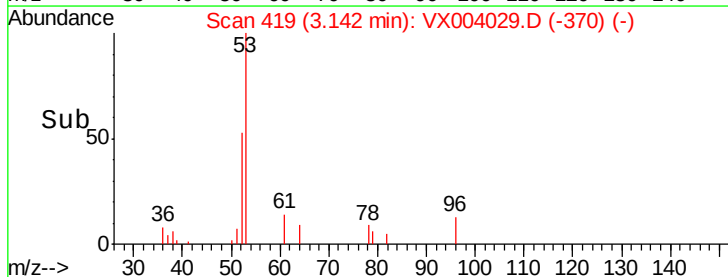
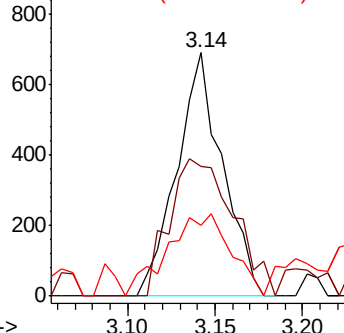
51 46.8 27.9 41.9#

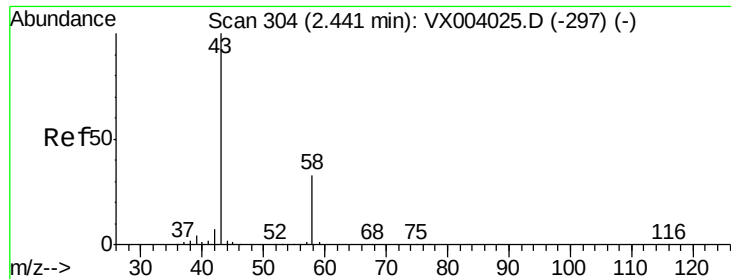


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.381 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_X

ClientSampled :

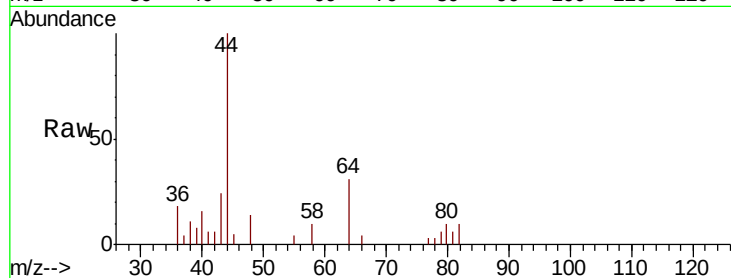
VX0814WBL01

Tgt Ion: 43 Resp: 843

Ion Ratio Lower Upper

43 100

58 52.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

400

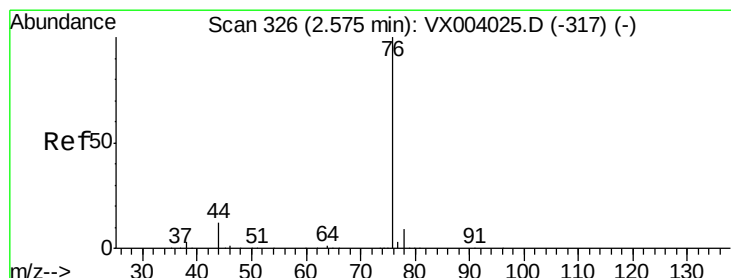
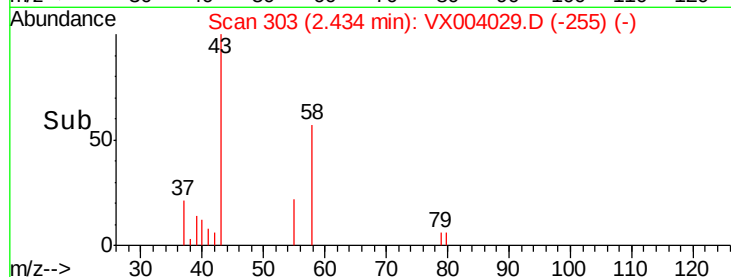
300

200

100

0

Time--> 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.721 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004029.D

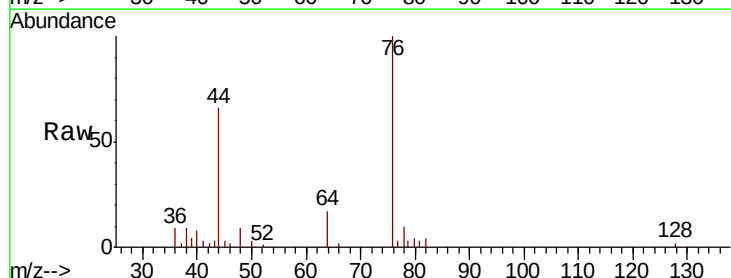
Acq: 14 Aug 2018 14:28

Tgt Ion: 76 Resp: 6495

Ion Ratio Lower Upper

76 100

78 8.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

4000

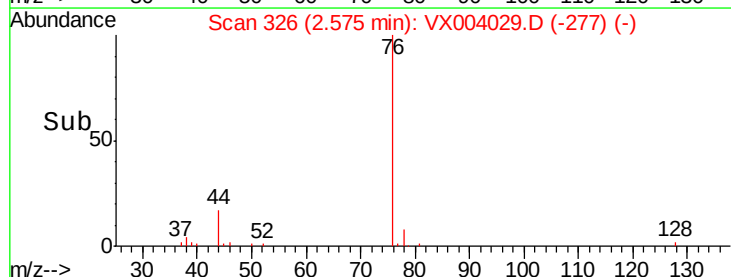
3000

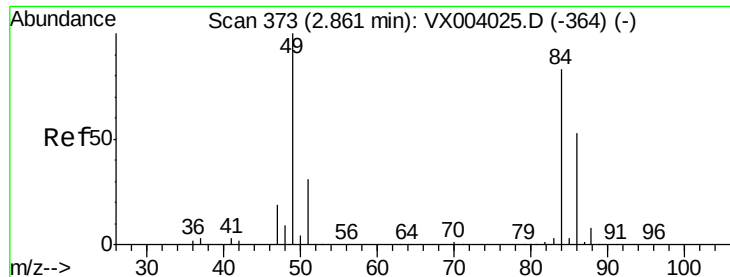
2000

1000

0

Time--> 2.50 2.55 2.60 2.65





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBL01

Tgt Ion: 84 Resp: 1310

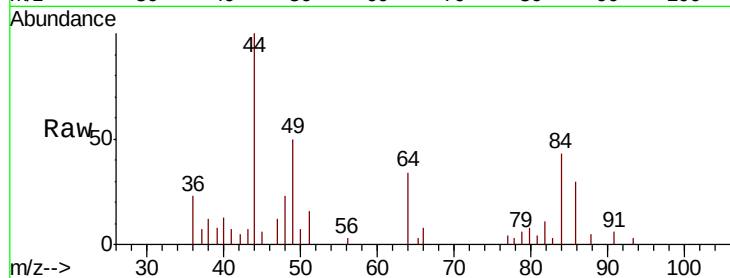
Ion Ratio Lower Upper

84 100

49 115.3 98.9 148.3

51 28.8 29.9 44.9#

86 68.2 51.0 76.6

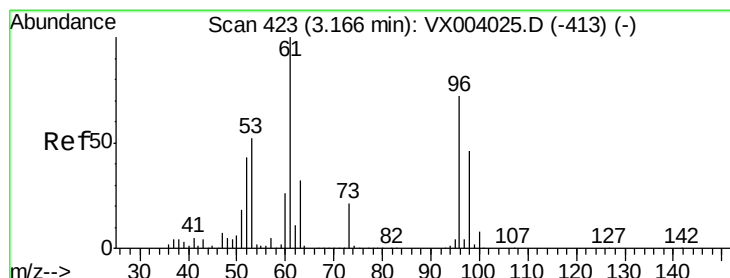
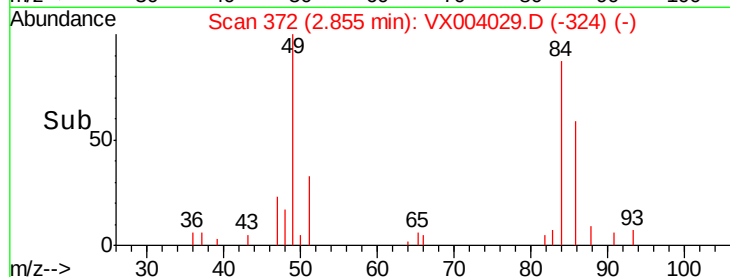
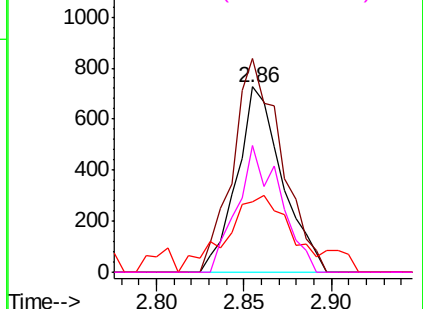


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 0.280 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

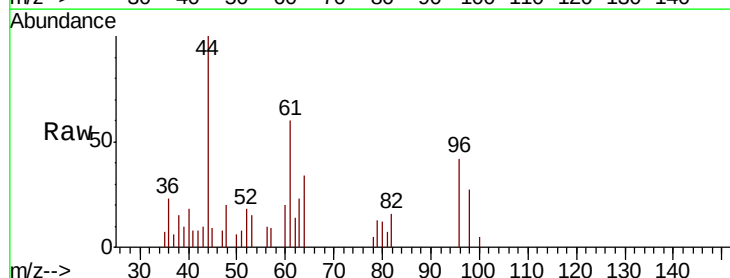
Tgt Ion: 96 Resp: 1008

Ion Ratio Lower Upper

96 100

61 141.8 111.8 167.6

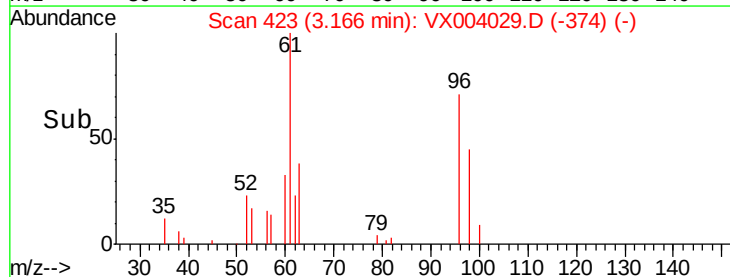
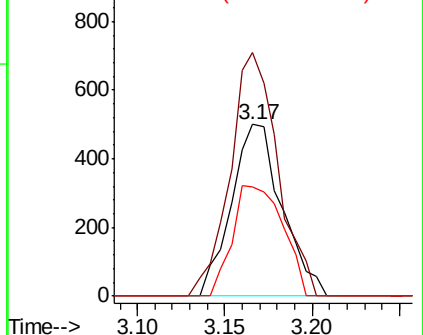
98 63.4 51.8 77.6

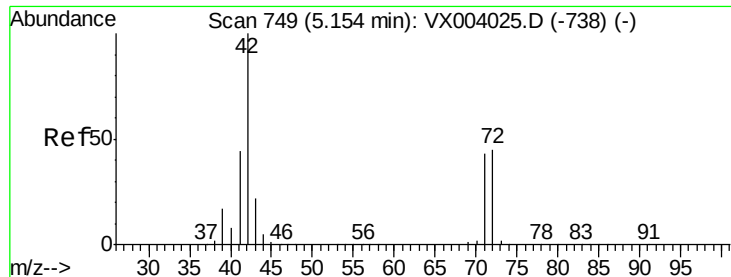


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.574 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBL01

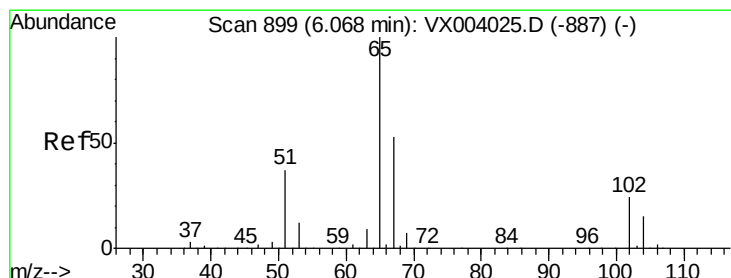
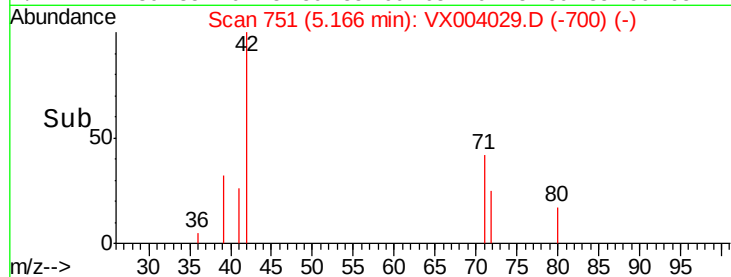
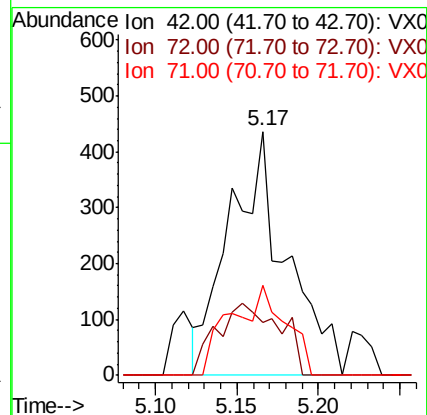
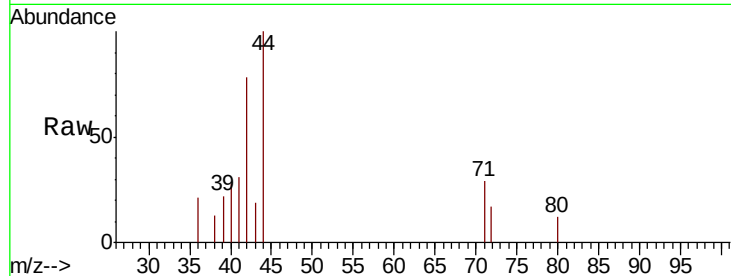
Tgt Ion: 42 Resp: 1054

Ion Ratio Lower Upper

42 100

72 32.7 37.7 56.5#

71 35.8 35.0 52.6



#33

1,2-Dichloroethane-d4

Concen: 50.279 ug/l

RT: 6.06 min Scan# 898

Delta R.T. -0.01 min

Lab File: VX004029.D

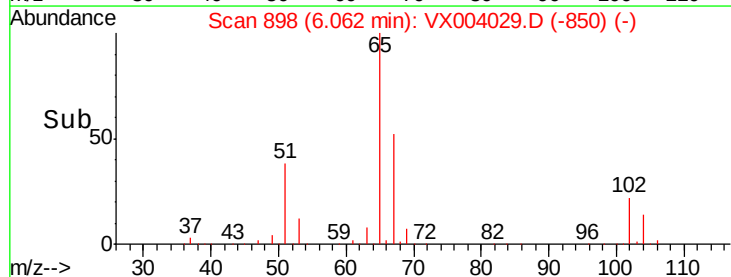
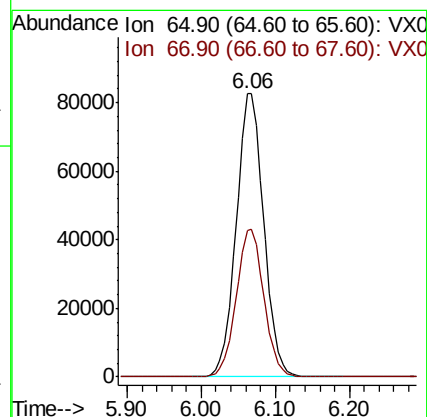
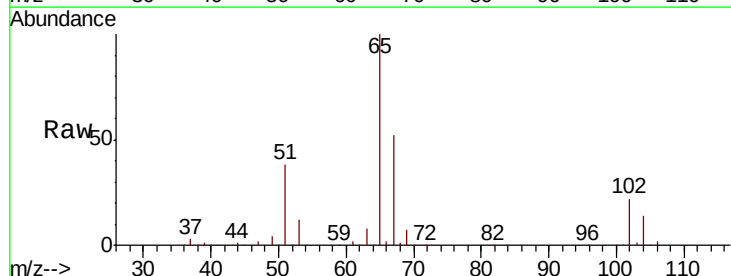
Acq: 14 Aug 2018 14:28

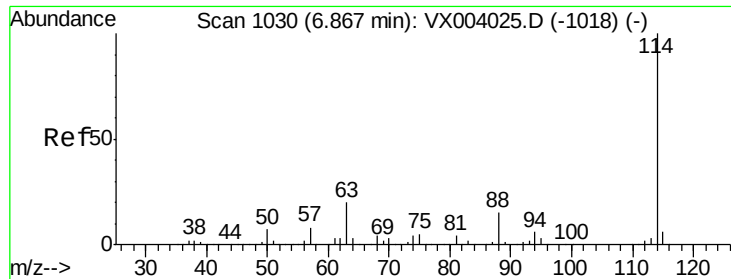
Tgt Ion: 65 Resp: 213736

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.8

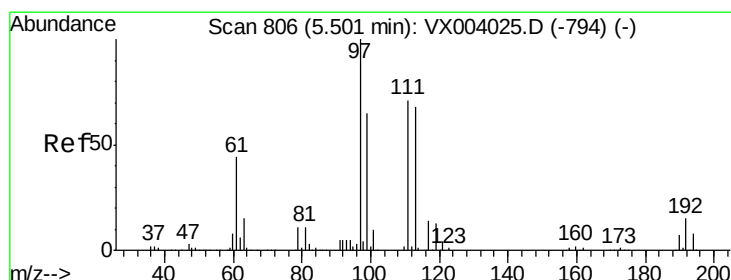
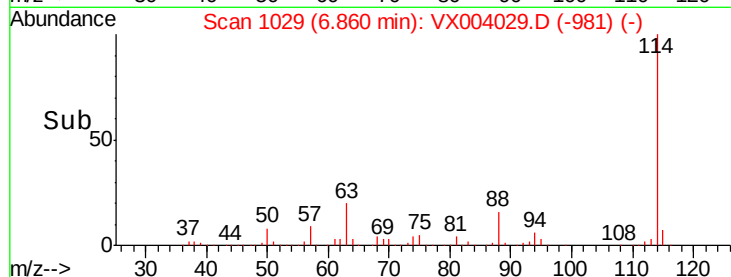
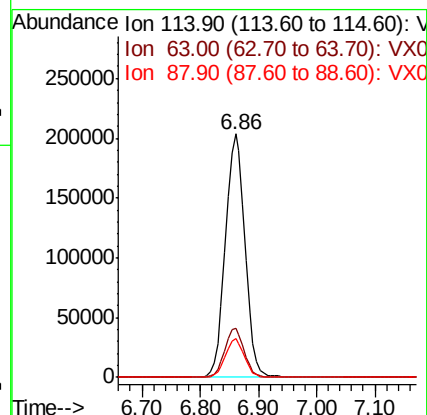
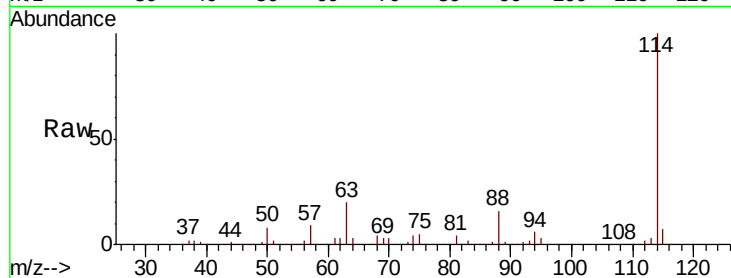




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004029.D
 Acq: 14 Aug 2018 14:28

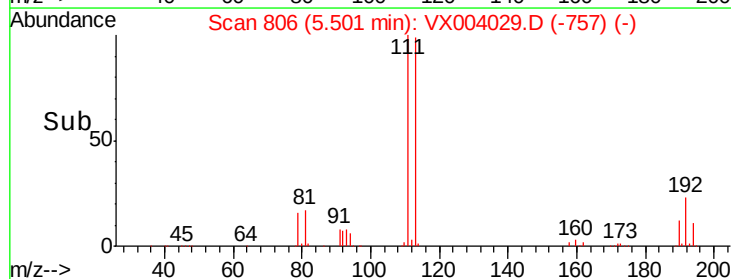
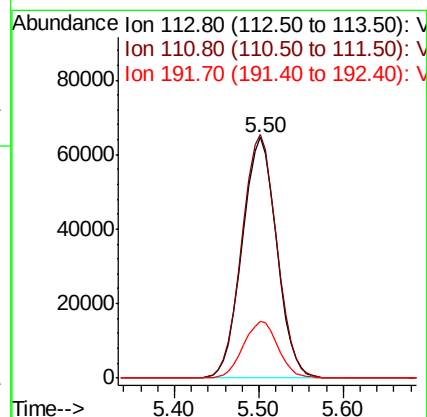
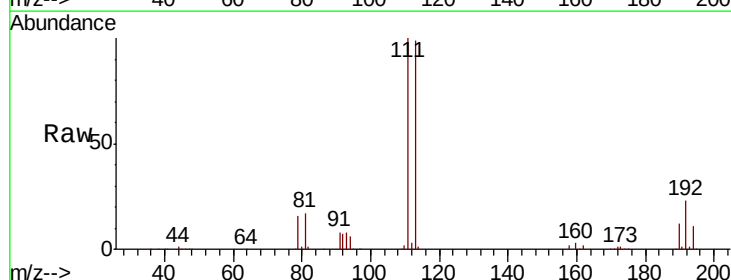
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBL01

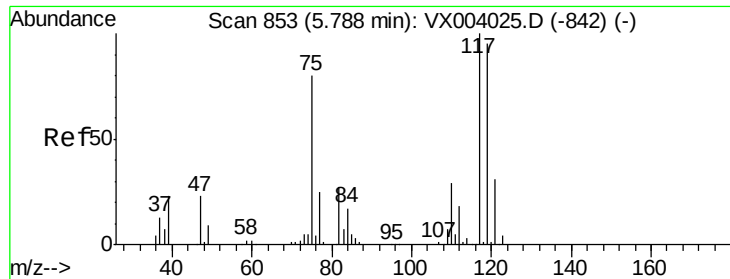
Tgt Ion:114 Resp: 476253
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 16.1 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 50.359 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004029.D
 Acq: 14 Aug 2018 14:28

Tgt Ion:113 Resp: 179499
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.0 123.0
 192 23.7 19.0 28.4

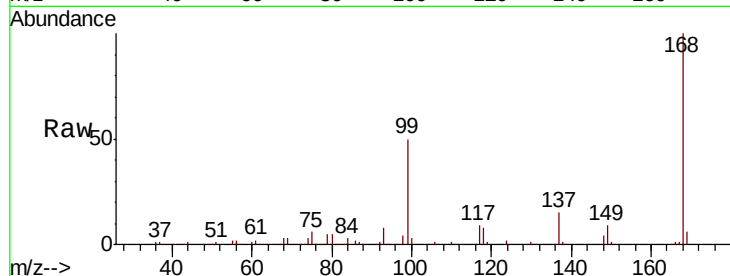




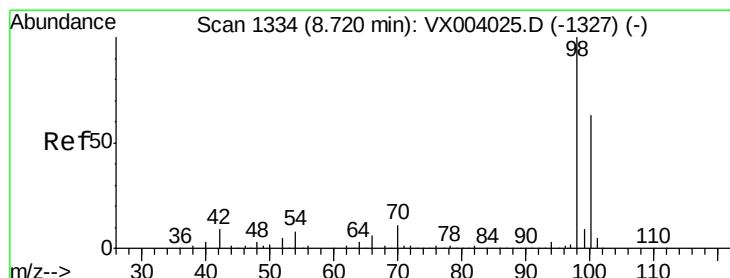
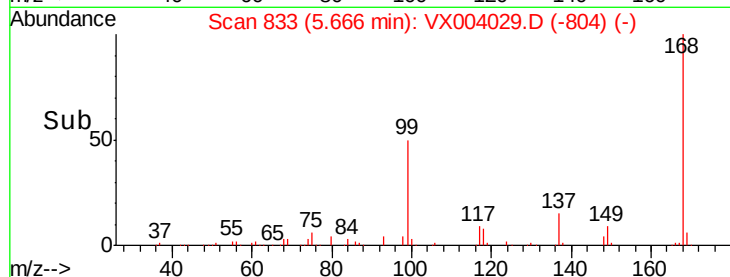
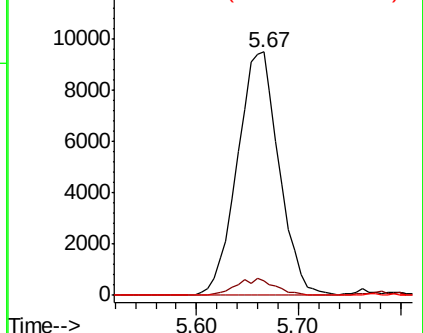
#38
Carbon Tetrachloride
Concen: 5.111 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX004029.D
Acq: 14 Aug 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Tgt Ion: 117 Resp: 26913
Ion Ratio Lower Upper
117 100
119 5.8 79.5 119.3#
121 0.0 25.0 37.4#

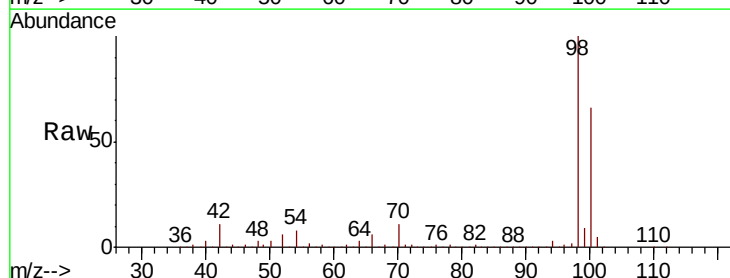


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

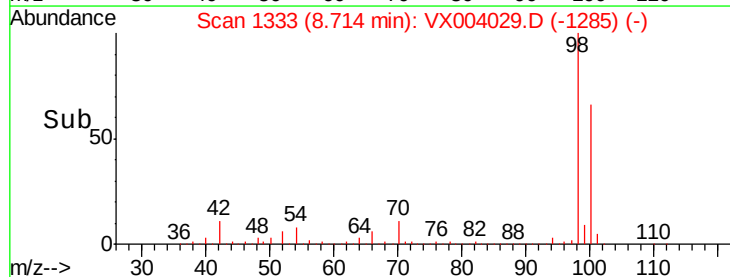
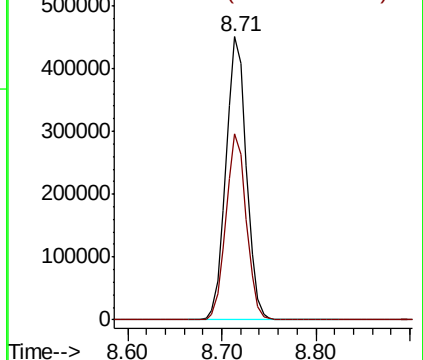


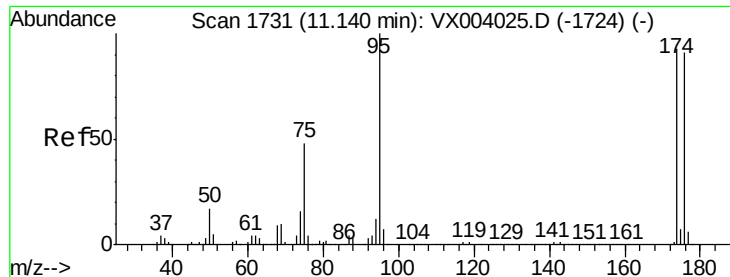
#50
Toluene-d8
Concen: 47.041 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004029.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 98 Resp: 679817
Ion Ratio Lower Upper
98 100
100 65.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

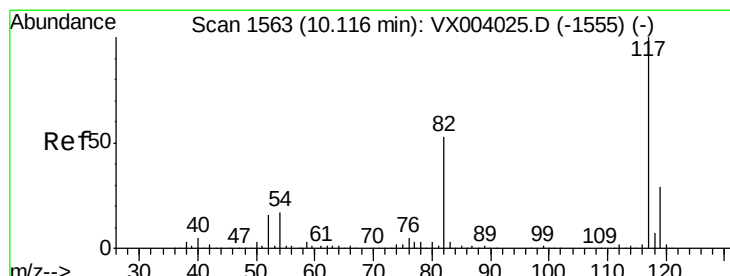
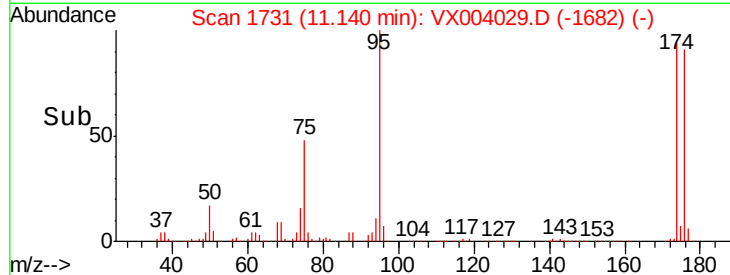
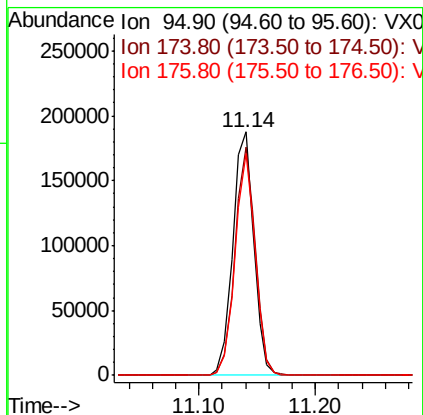
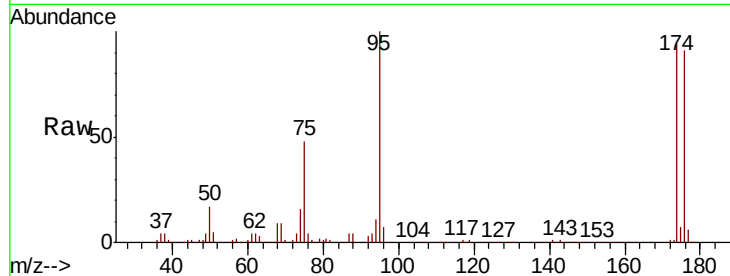




#62
 4-Bromofluorobenzene
 Concen: 45.147 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004029.D
 Acq: 14 Aug 2018 14:28

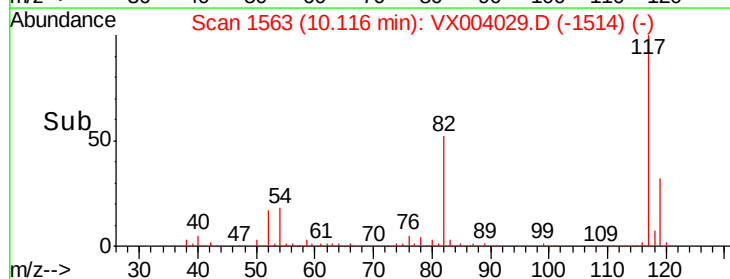
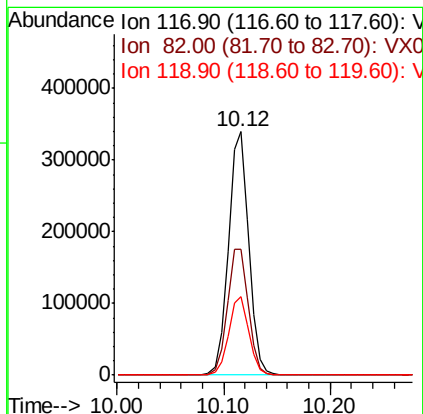
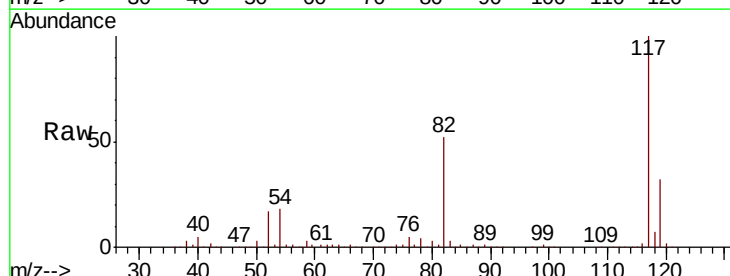
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBL01

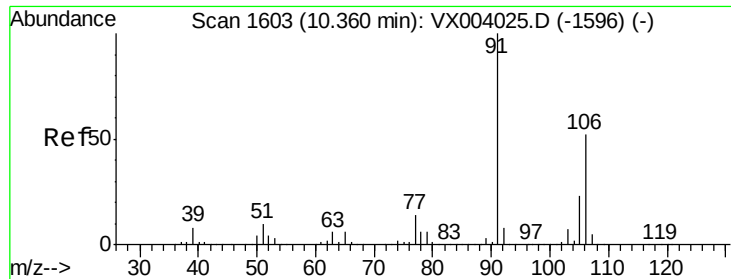
Tgt Ion:	95	Resp:	236638
Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	182.8
176	87.7	0.0	179.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004029.D
 Acq: 14 Aug 2018 14:28

Tgt Ion:	117	Resp:	452190
Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.4	68.0
119	32.0	26.6	40.0

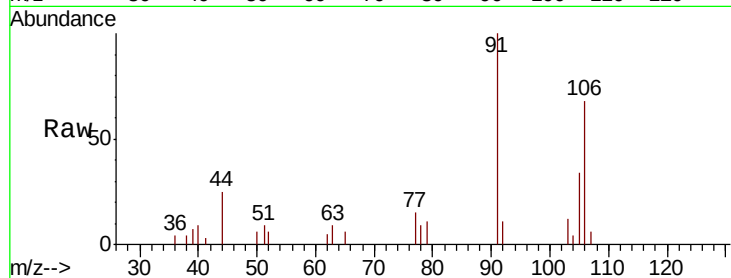




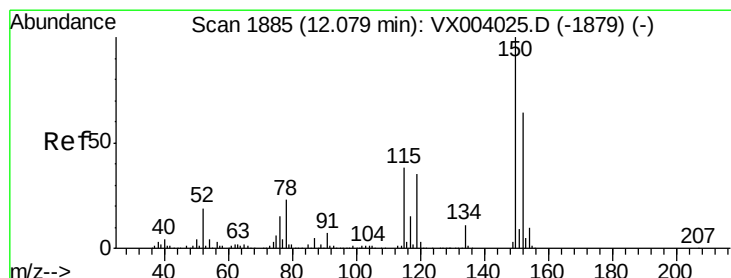
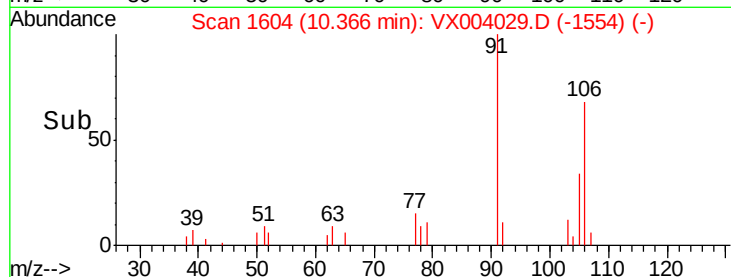
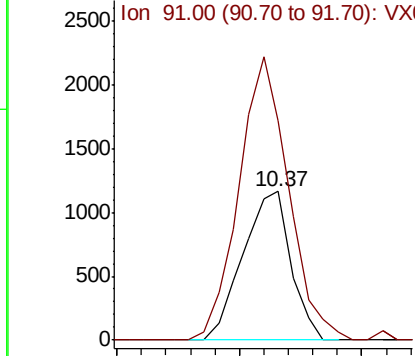
#68
m/p-Xylenes
Concen: 0.218 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX004029.D
Acq: 14 Aug 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Tgt Ion:106 Resp: 1581
Ion Ratio Lower Upper
106 100
91 196.6 162.3 243.5

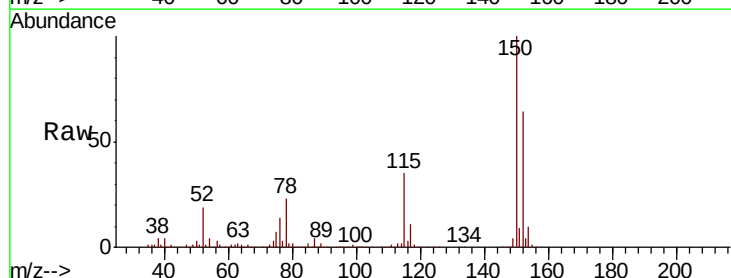


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

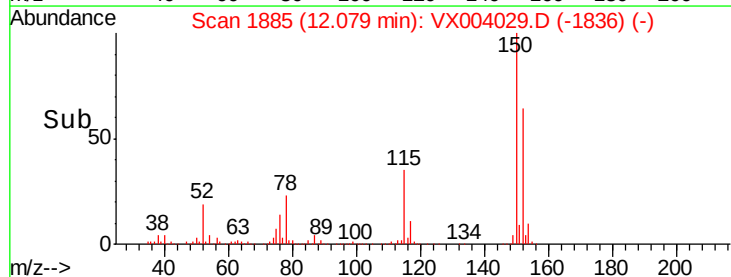
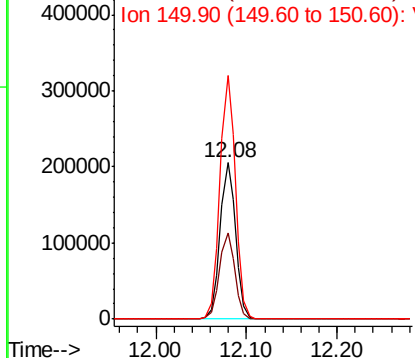


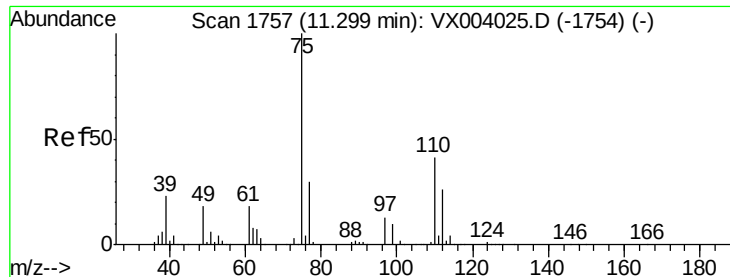
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004029.D
Acq: 14 Aug 2018 14:28

Tgt Ion:152 Resp: 246994
Ion Ratio Lower Upper
152 100
115 54.5 39.1 117.3
150 155.8 0.0 349.2



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

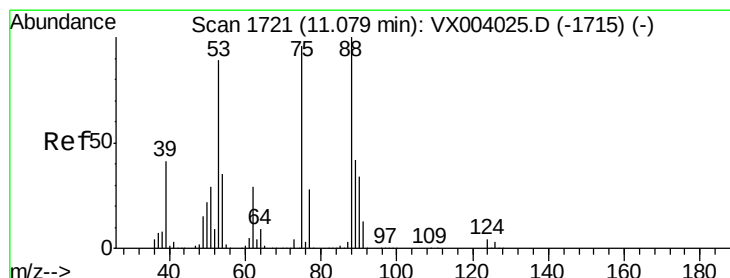
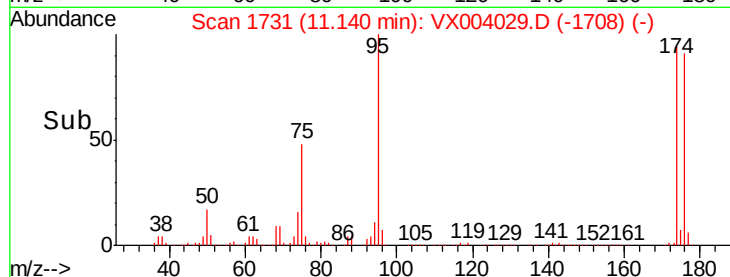
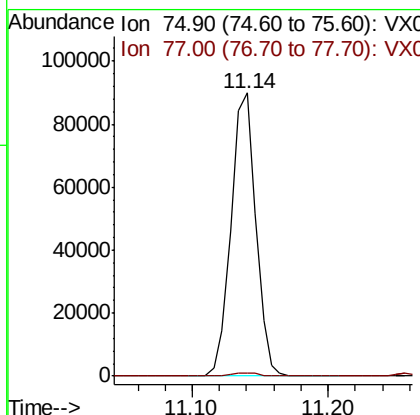
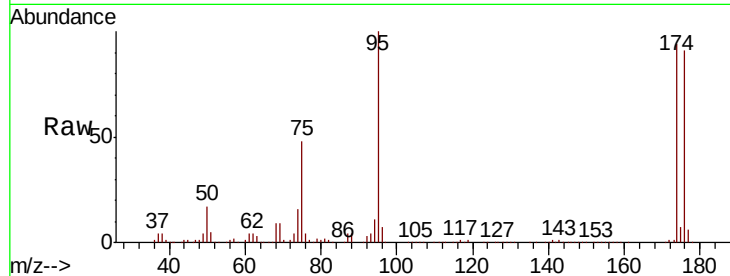




#76
 1,2,3-Trichloropropane
 Concen: 23.104 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004029.D
 Acq: 14 Aug 2018 14:28

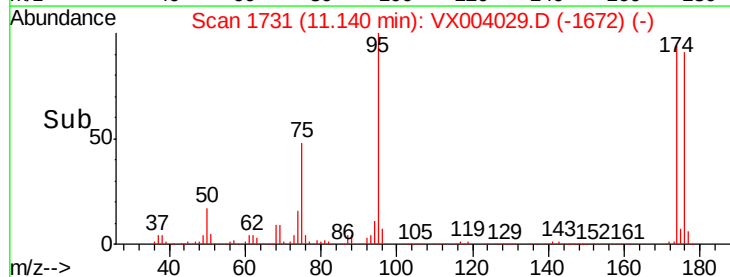
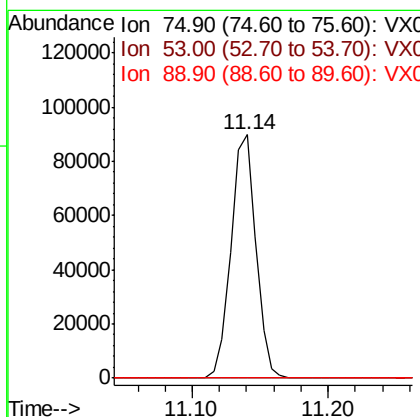
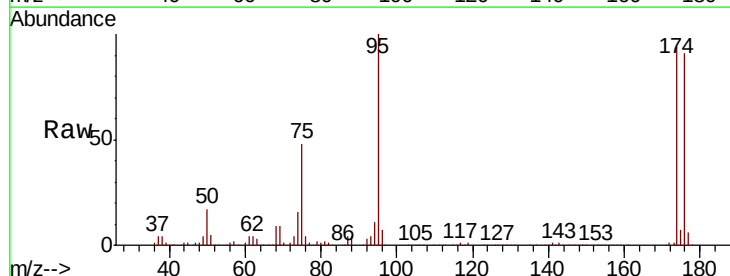
Instrument :
 MSVOA_X
 ClientSampled :
 VX0814WBL01

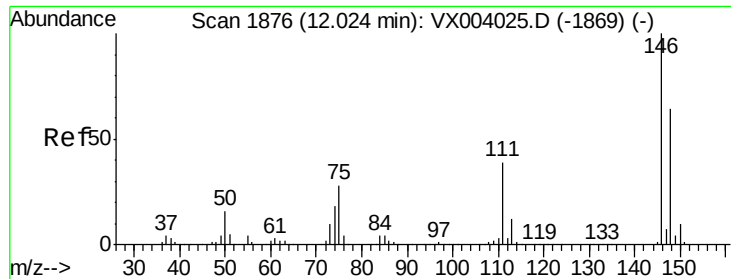
Tgt Ion: 75 Resp: 114441
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.520 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004029.D
 Acq: 14 Aug 2018 14:28

Tgt Ion: 75 Resp: 114441
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.3 120.5#
 89 0.0 37.8 56.8#

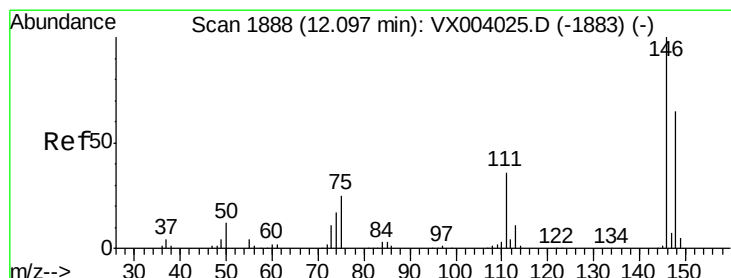
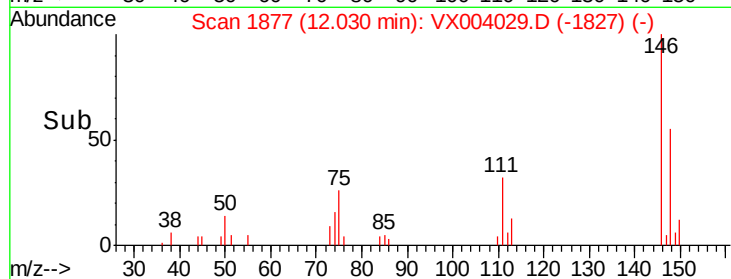
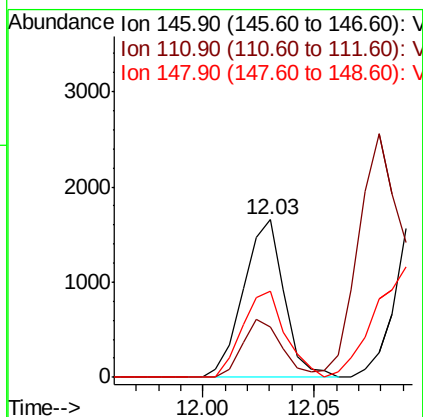
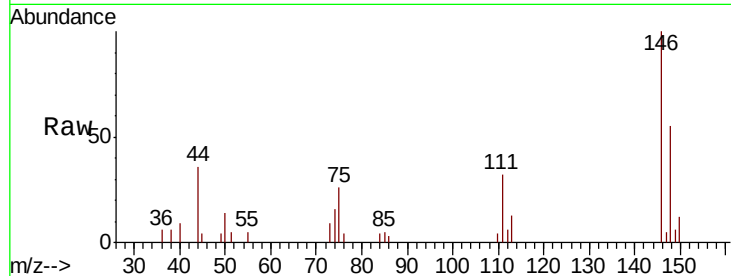




#87
 1,3-Dichlorobenzene
 Concen: 0.240 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004029.D
 Acq: 14 Aug 2018 14:28

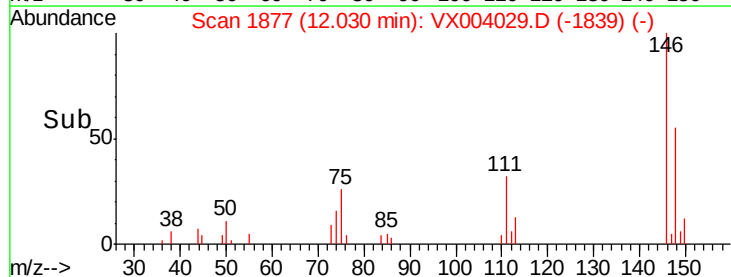
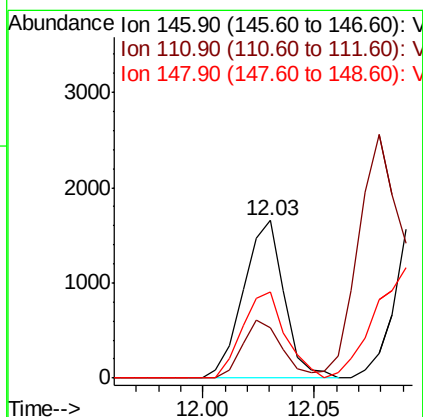
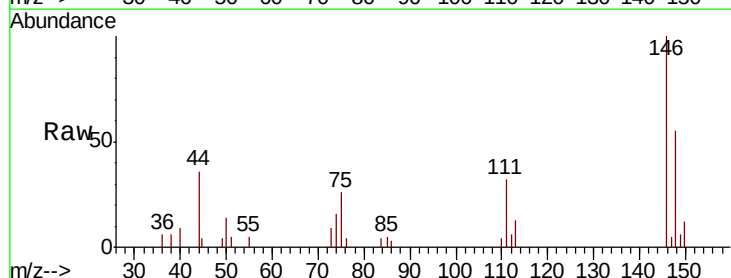
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBL01

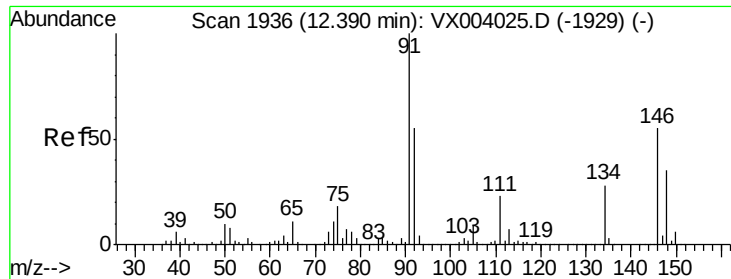
Tgt Ion:146 Resp: 2111
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.8 56.4
 148 57.6 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 0.233 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX004029.D
 Acq: 14 Aug 2018 14:28

Tgt Ion:146 Resp: 2111
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.4 55.0
 148 57.6 32.3 96.8





#89

n-Butylbenzene

Concen: 0.220 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBL01

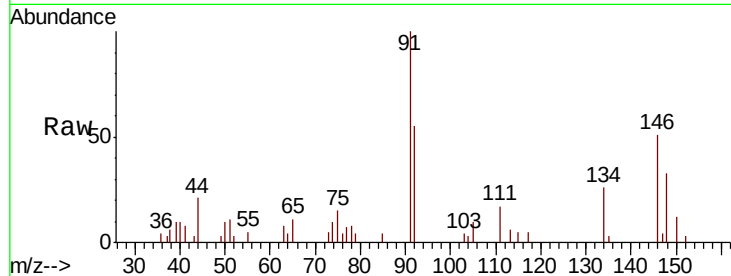
Tgt Ion: 91 Resp: 2533

Ion Ratio Lower Upper

91 100

92 54.0 27.1 81.3

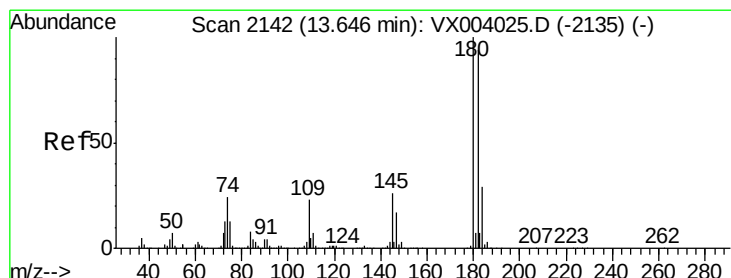
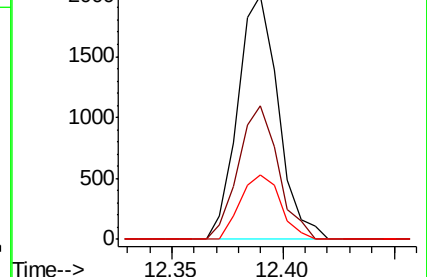
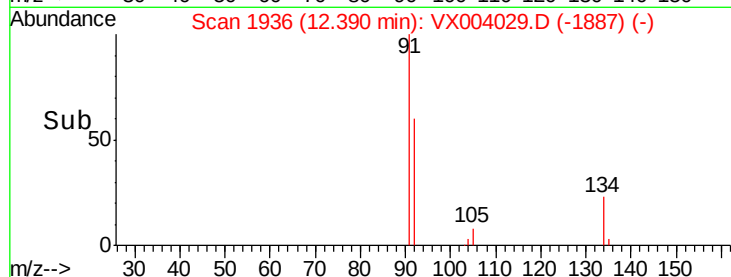
134 26.3 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#93

1,2,4-Trichlorobenzene

Concen: 0.309 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

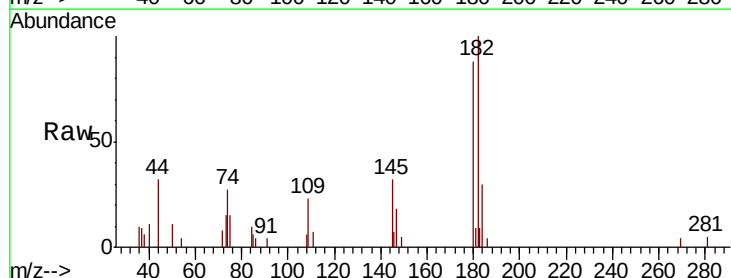
Tgt Ion: 180 Resp: 1674

Ion Ratio Lower Upper

180 100

182 106.9 47.7 143.1

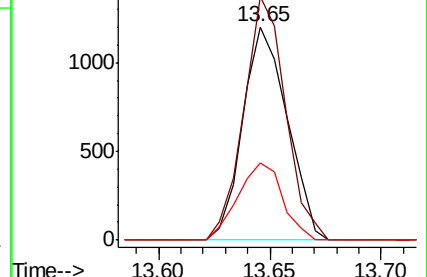
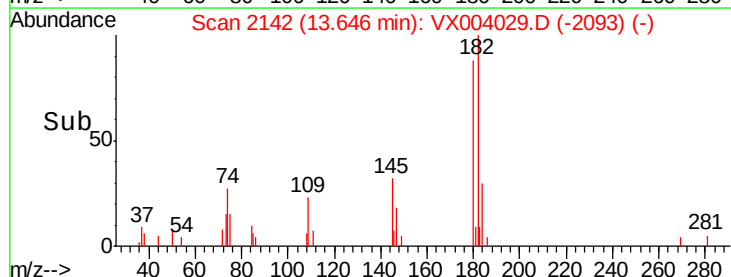
145 36.3 13.9 41.6

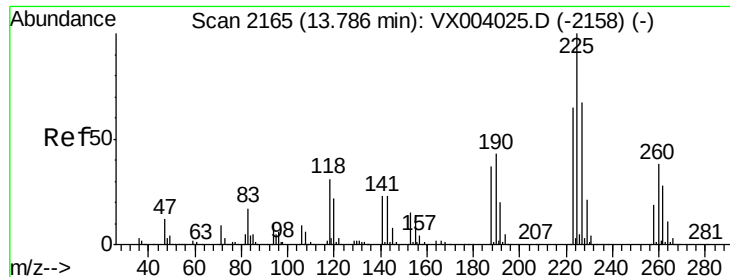


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.515 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_X

ClientSampled :

VX0814WBL01

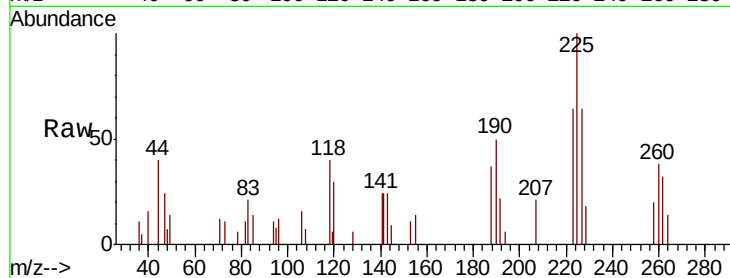
Tgt Ion:225 Resp: 1398

Ion Ratio Lower Upper

225 100

223 64.1 31.4 94.0

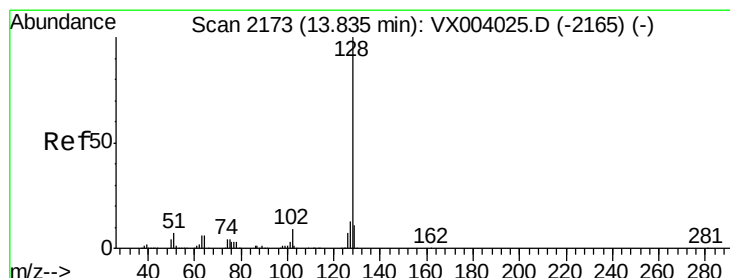
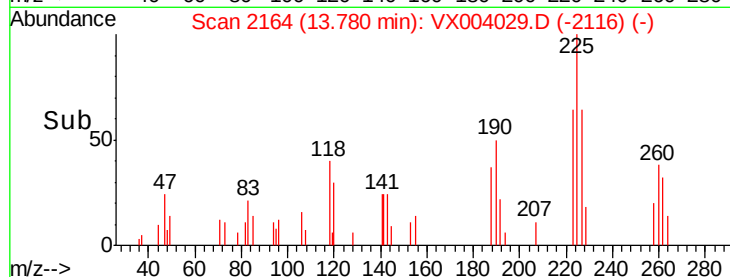
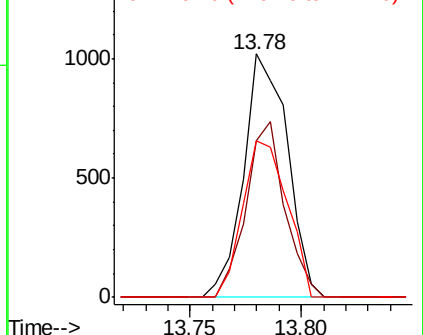
227 65.8 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.312 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004029.D

Acq: 14 Aug 2018 14:28

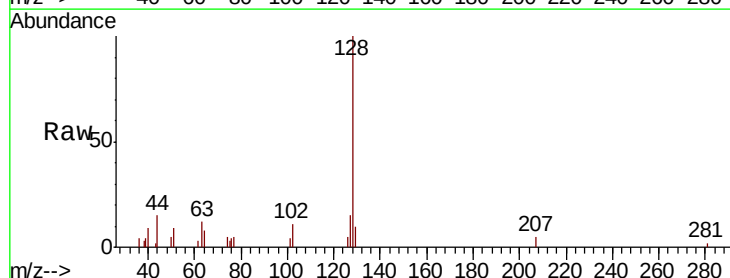
Tgt Ion:128 Resp: 2967

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.2

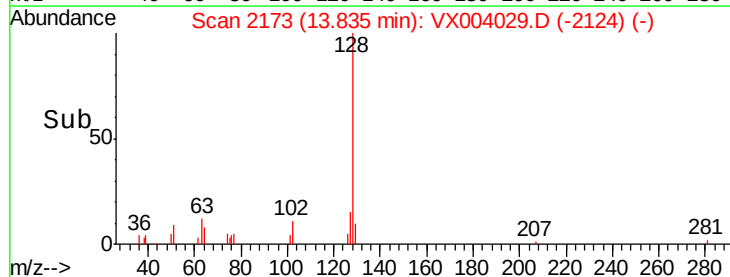
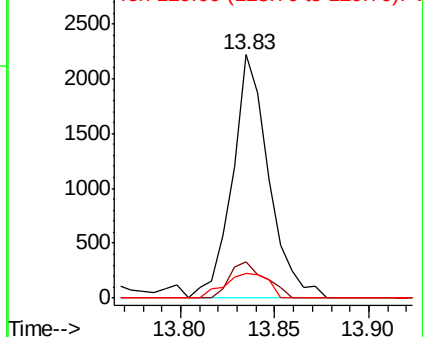
129 12.1 8.8 13.2

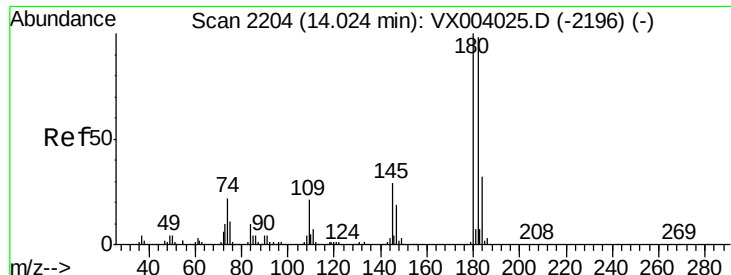


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

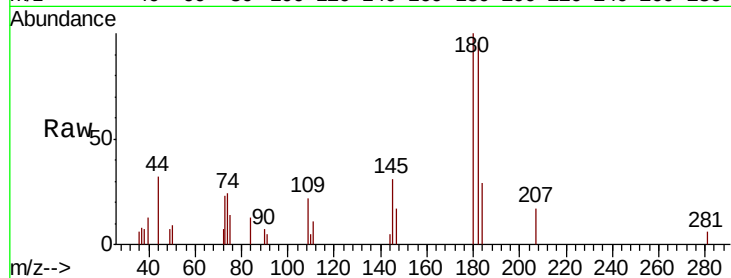




#96
 1,2,3-Trichlorobenzene
 Concen: 0.250 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004029.D
 Acq: 14 Aug 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.1	144.4
145	25.7	14.9	44.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

