

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004094.D
 Acq On : 16 Aug 2018 01:47
 Operator : JC/MD
 Sample : VX0815WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBL02

Quant Time: Aug 16 07:16:52 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	5.67	168	257010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	399419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	372541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206266	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	192200	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
35) Dibromofluoromethane	5.51	113	157443	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
50) Toluene-d8	8.72	98	577533	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.14	95	191315	43.52	ug/l	0.00
Spiked Amount			Recovery	=	87.04%	

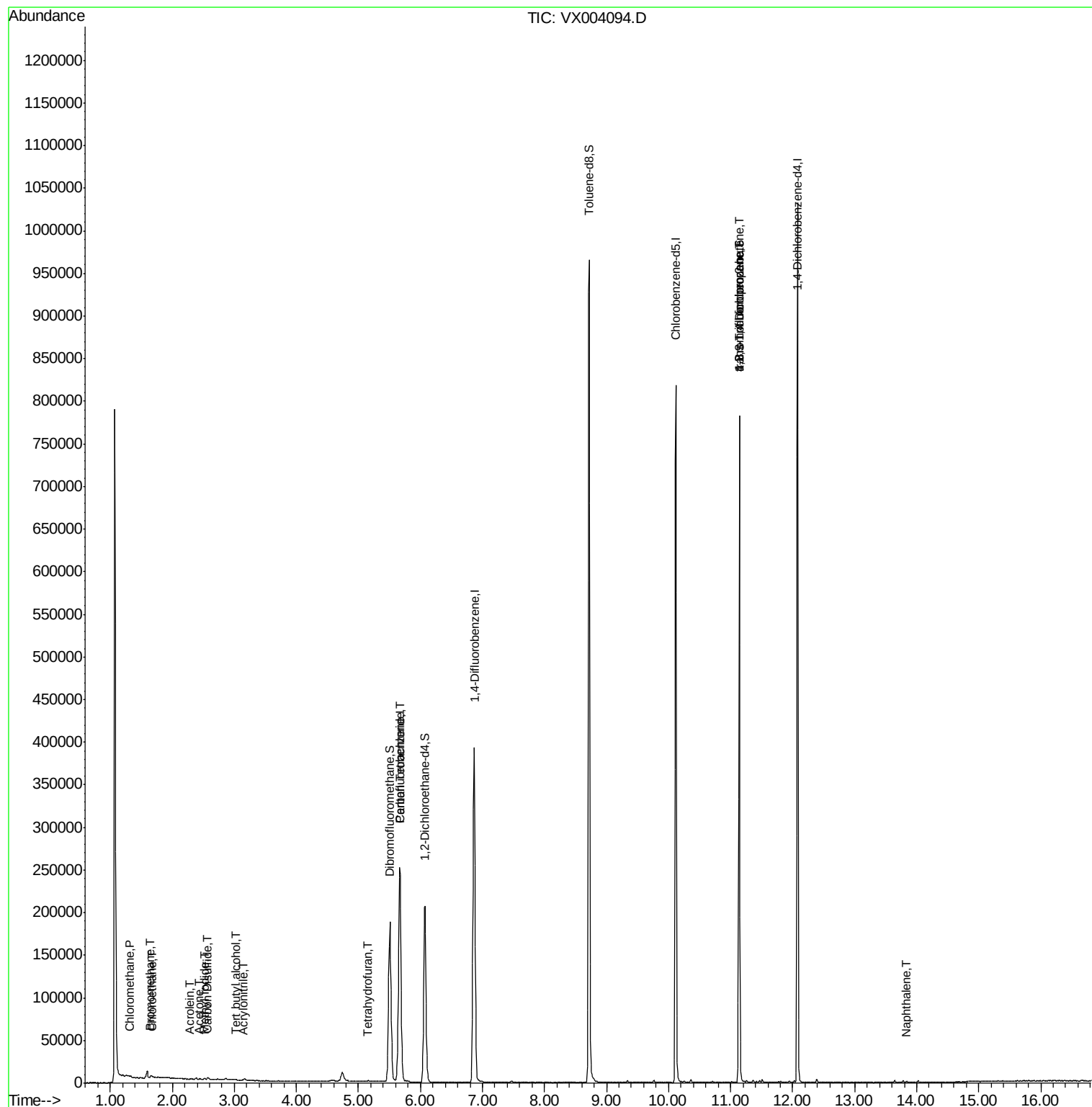
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	758	0.25	ug/l	89
5) Bromomethane	1.65	94	1481	0.70	ug/l	94
6) Chloroethane	1.67	64	5275	0.66	ug/l #	51
10) Methyl Iodide	2.51	142	1284	5.38	ug/l #	97
11) Tert butyl alcohol	3.02	59	663	0.91	ug/l #	73
13) Acrolein	2.28	56	212	11.36	ug/l #	80
15) Acrylonitrile	3.14	53	528	0.29	ug/l #	84
16) Acetone	2.44	43	795	0.42	ug/l #	88
17) Carbon Disulfide	2.57	76	2415	0.31	ug/l #	91
20) Methylene Chloride	2.86	84	643	Below Cal	#	93
29) Tetrahydrofuran	5.14	42	410	0.26	ug/l #	65
38) Carbon Tetrachloride	5.67	117	23231	5.26	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	94996	22.97	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	94996	71.09	ug/l #	9
95) Naphthalene	13.83	128	1065	1.22	ug/l #	93

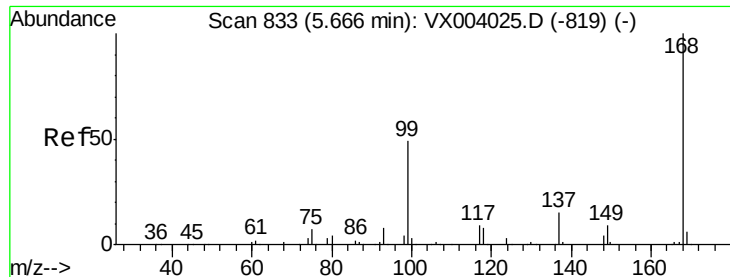
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004094.D

Acq: 16 Aug 2018 01:47

Instrument :

MSVOA_X

ClientSampleId :

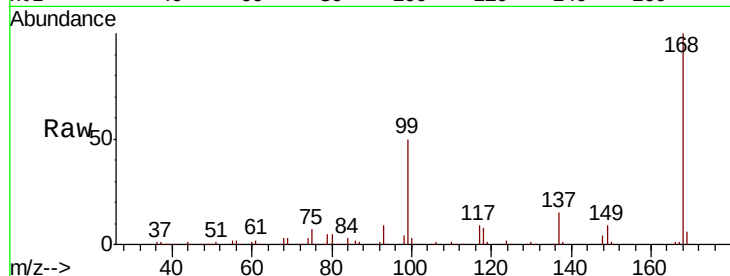
VX0815WBL02

Tot Ion:168 Resp: 257010

Ion Ratio Lower Upper

168 100

99 49.9 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

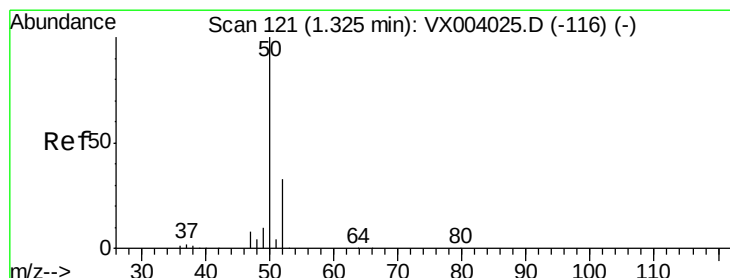
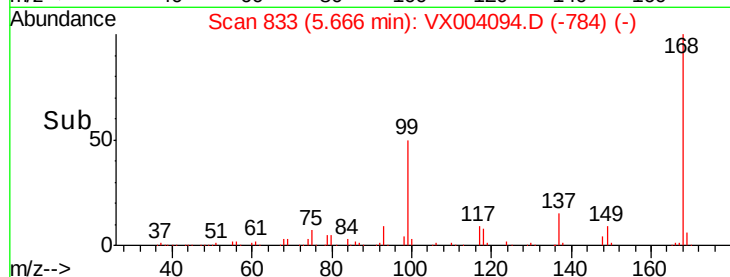
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004094.D

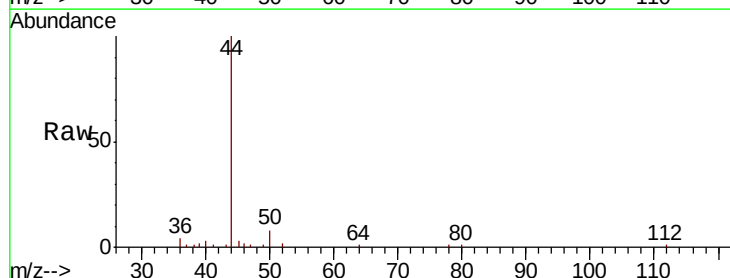
Acq: 16 Aug 2018 01:47

Tgt Ion: 50 Resp: 758

Ion Ratio Lower Upper

50 100

52 26.9 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

500

400

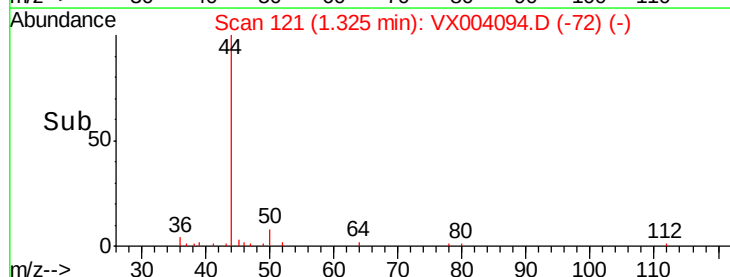
300

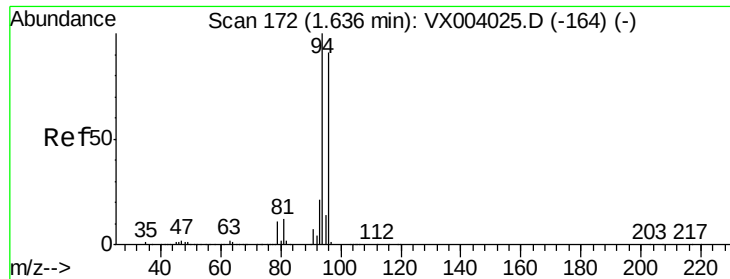
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.70 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004094.D

Acq: 16 Aug 2018 01:47

Instrument :

MSVOA_X

ClientSampleId :

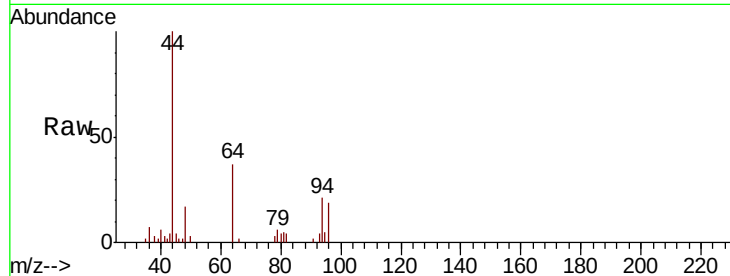
VX0815WBL02

Tot Ion: 94 Resp: 1481

Ion Ratio Lower Upper

94 100

96 88.5 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

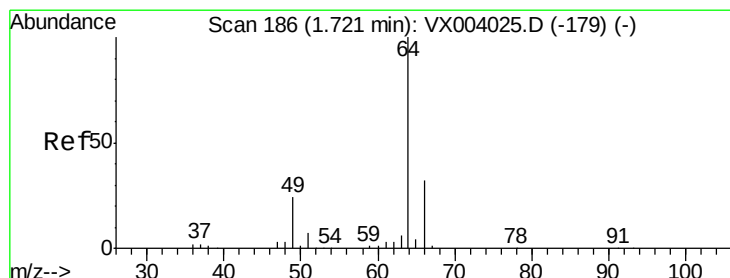
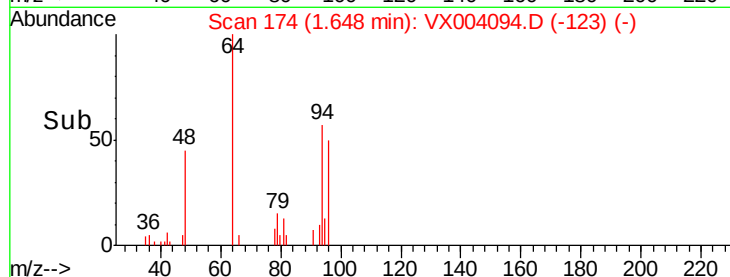
400

200

0

1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 0.66 ug/l

RT: 1.67 min Scan# 177

Delta R.T. -0.05 min

Lab File: VX004094.D

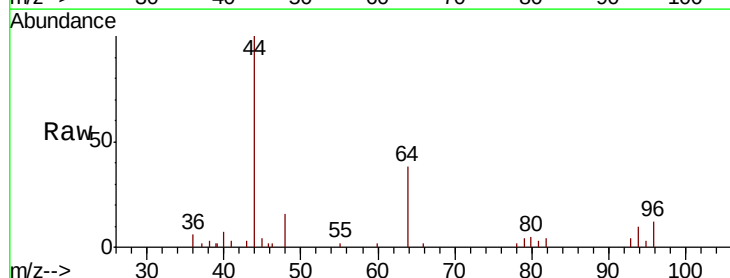
Acq: 16 Aug 2018 01:47

Tgt Ion: 64 Resp: 5275

Ion Ratio Lower Upper

64 100

66 5.3 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1500

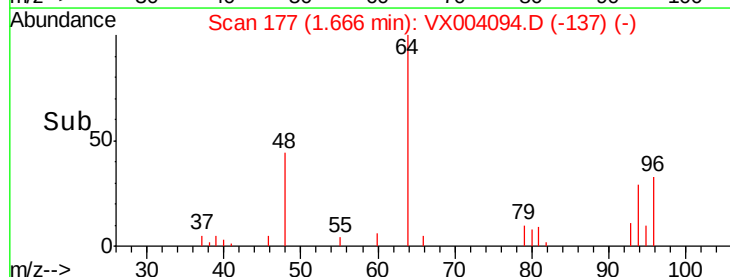
1000

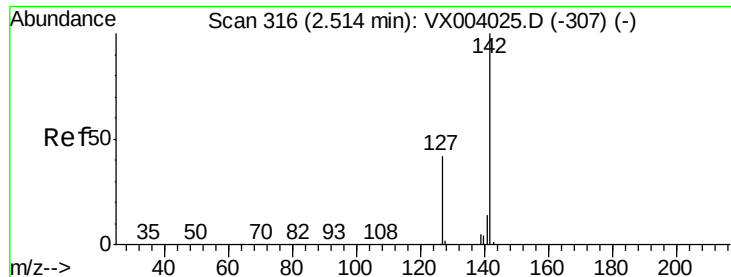
500

0

1.50 1.60 1.70

Time-->

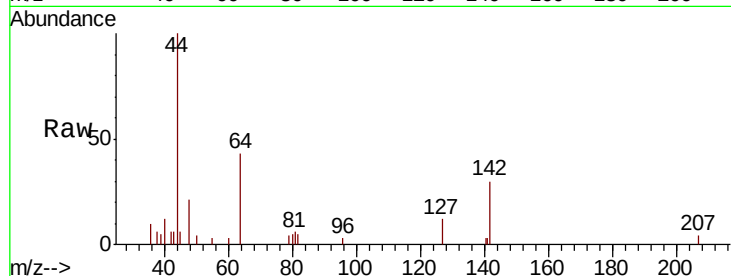




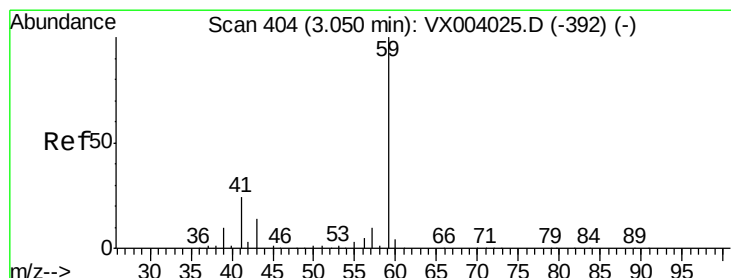
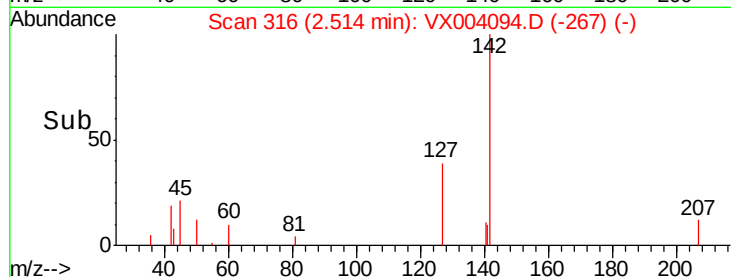
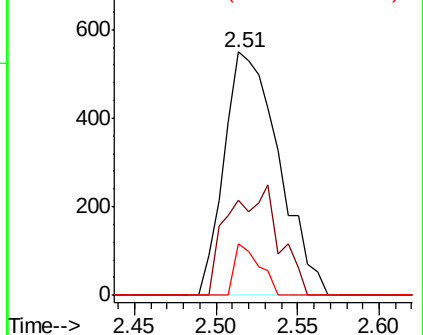
#10
Methvl Iodide
Concen: 5.38 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBL02

Tot Ion:142 Resp: 1284
Ion Ratio Lower Upper
142 100
127 41.9 33.1 49.7
141 9.4 11.1 16.7#

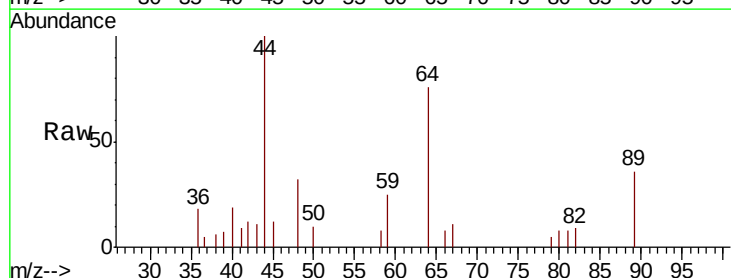


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

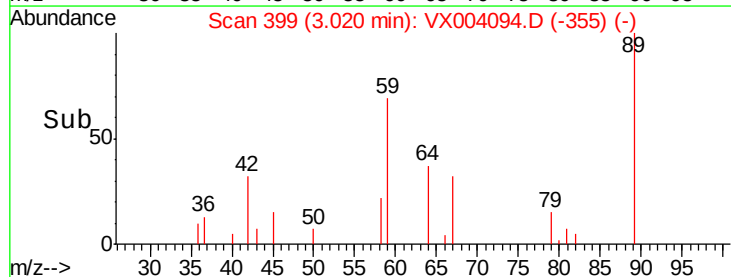
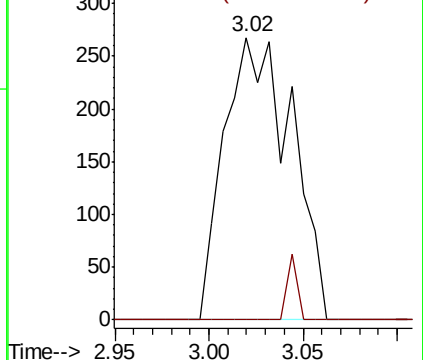


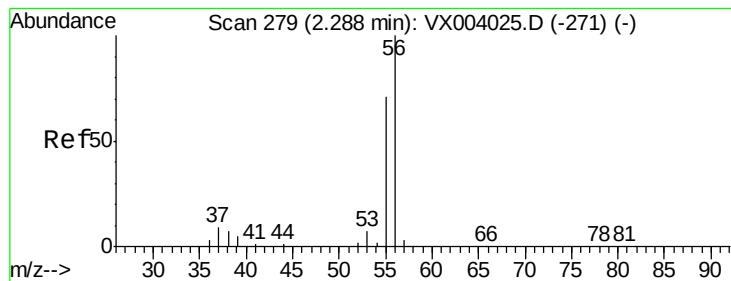
#11
Tert butyl alcohol
Concen: 0.91 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.03 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

Tgt Ion: 59 Resp: 663
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 11.36 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX004094.D

Acq: 16 Aug 2018 01:47

Instrument :

MSVOA_X

ClientSampleId :

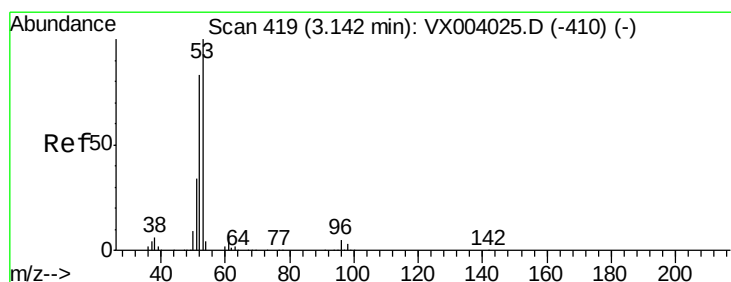
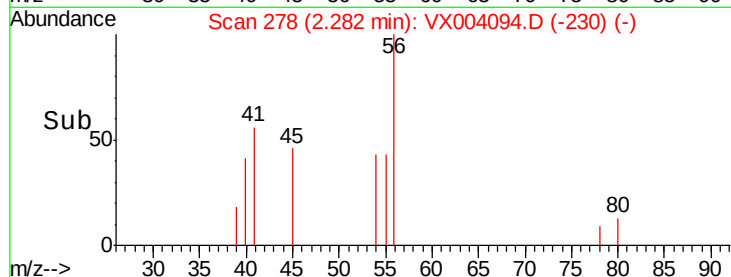
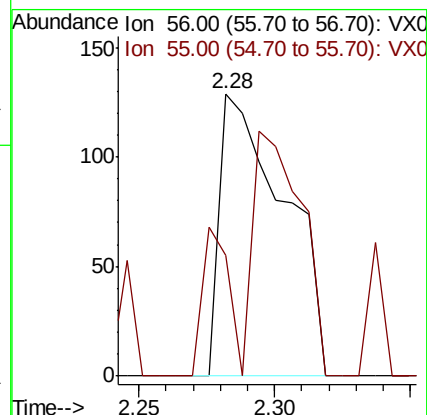
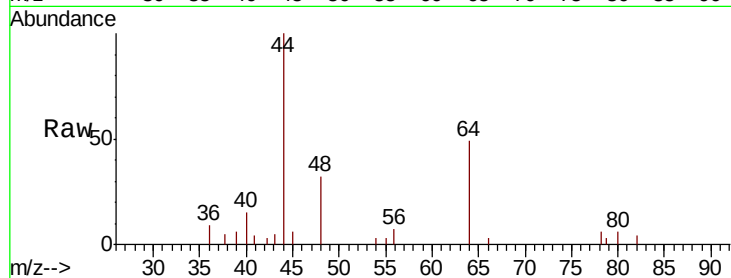
VX0815WBL02

Tot Ion: 56 Resp: 212

Ion Ratio Lower Upper

56 100

55 86.3 56.1 84.1#



#15

Acrylonitrile

Concen: 0.29 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004094.D

Acq: 16 Aug 2018 01:47

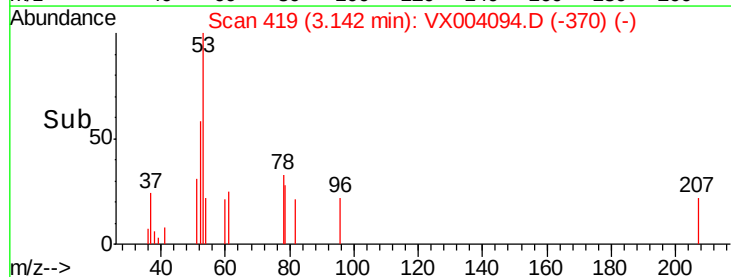
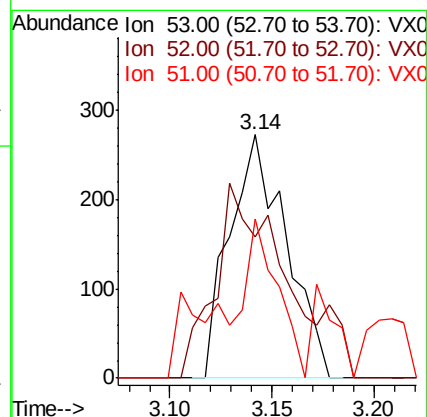
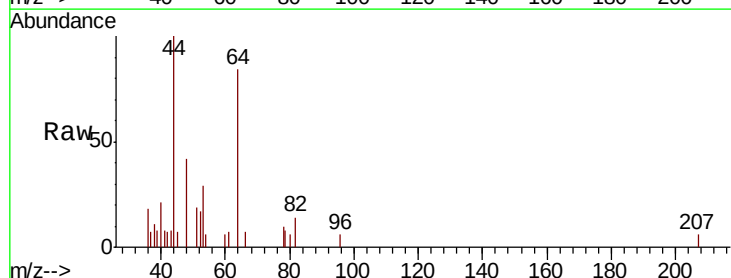
Tgt Ion: 53 Resp: 528

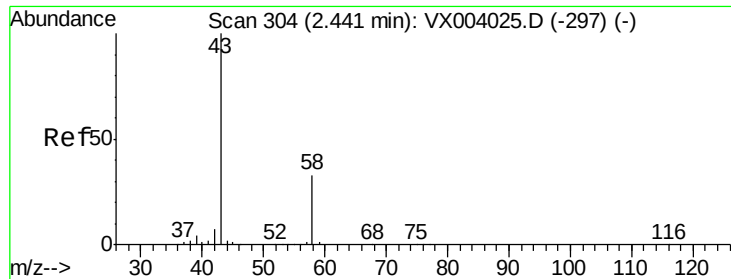
Ion Ratio Lower Upper

53 100

52 101.1 65.3 97.9#

51 37.1 27.9 41.9





#16

Acetone

Concen: 0.42 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004094.D

Acq: 16 Aug 2018 01:47

Instrument :

MSVOA_X

ClientSampleId :

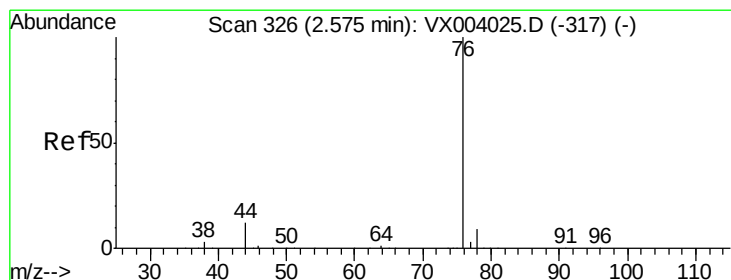
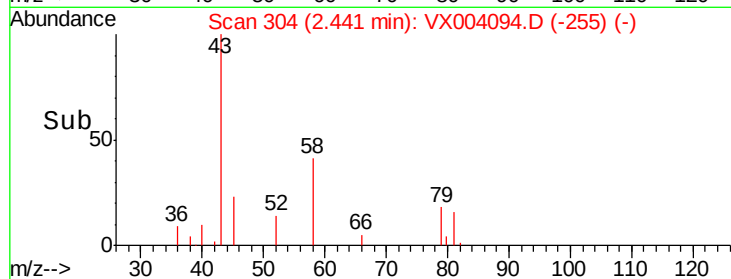
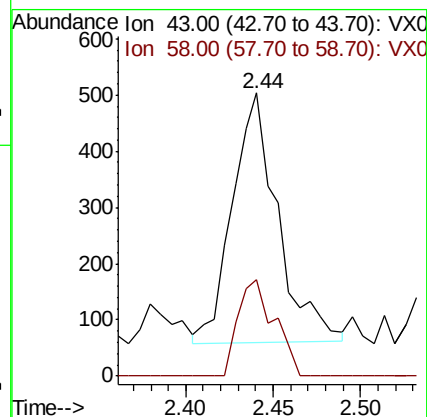
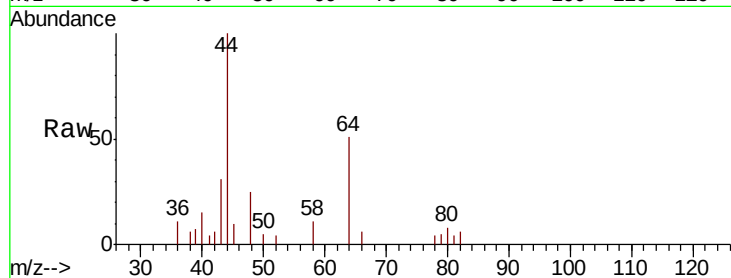
VX0815WBL02

Tot Ion: 43 Resp: 795

Ion Ratio Lower Upper

43 100

58 39.8 26.4 39.6#



#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004094.D

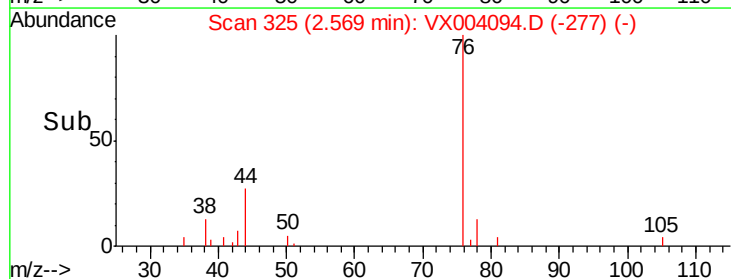
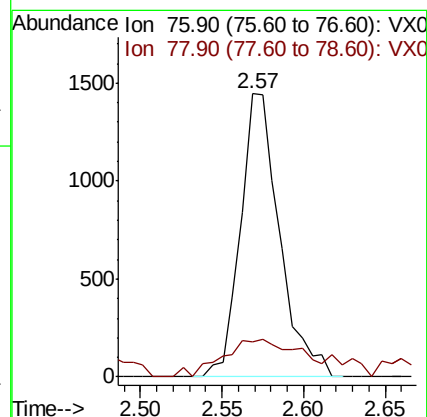
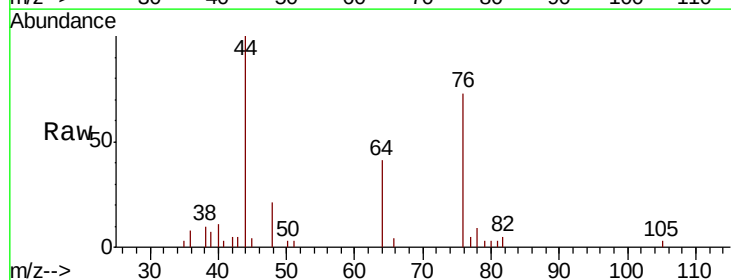
Acq: 16 Aug 2018 01:47

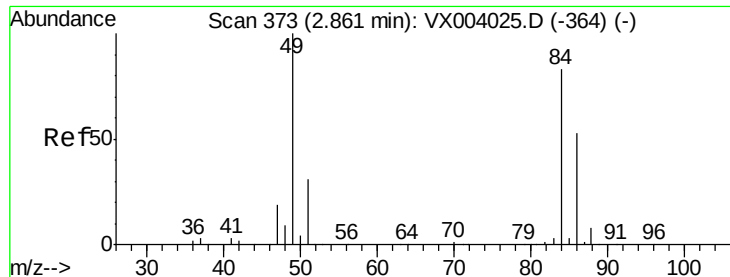
Tgt Ion: 76 Resp: 2415

Ion Ratio Lower Upper

76 100

78 12.5 7.5 11.3#

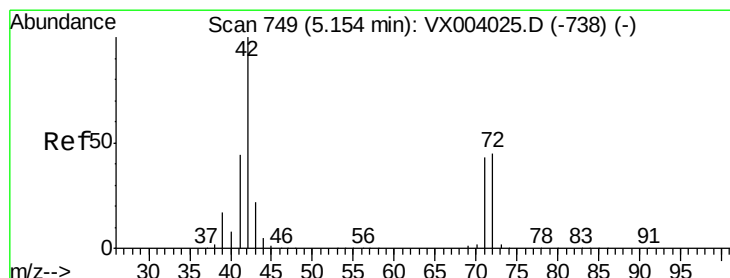
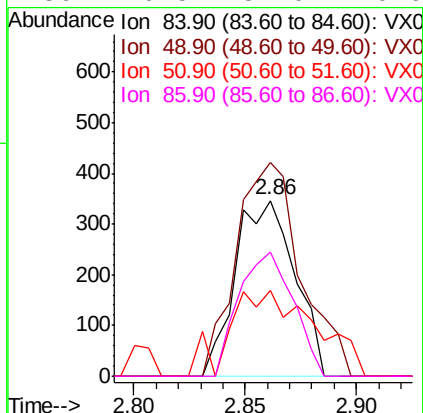
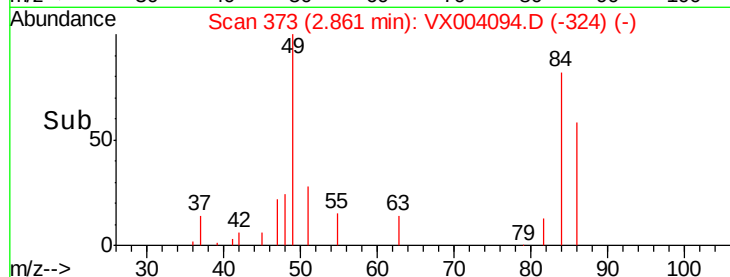
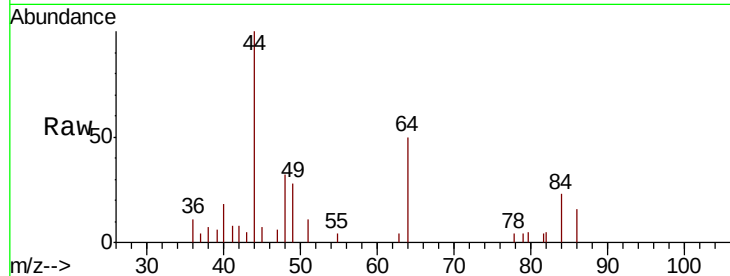




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

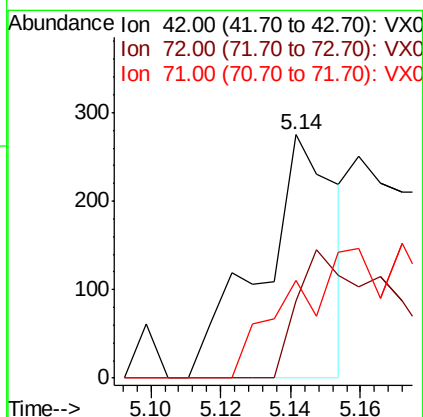
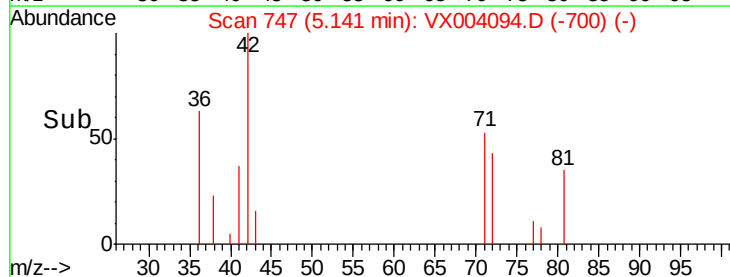
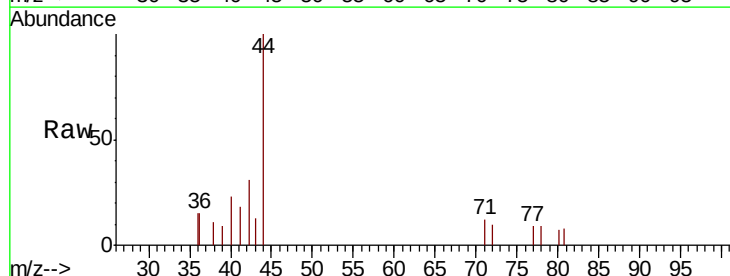
Instrument :
MSVOA_X
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VX0815WBL02

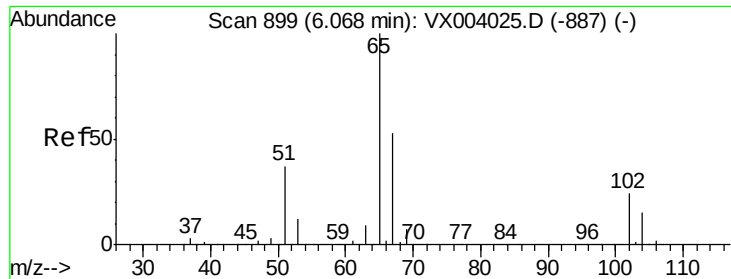
Tot Ion: 84 Resp: 643
Ion Ratio Lower Upper
84 100
49 121.7 98.9 148.3
51 48.8 29.9 44.9#
86 70.5 51.0 76.6



#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 5.14 min Scan# 747
Delta R.T. -0.01 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

Tgt Ion: 42 Resp: 410
Ion Ratio Lower Upper
42 100
72 74.9 37.7 56.5#
71 61.5 35.0 52.6#

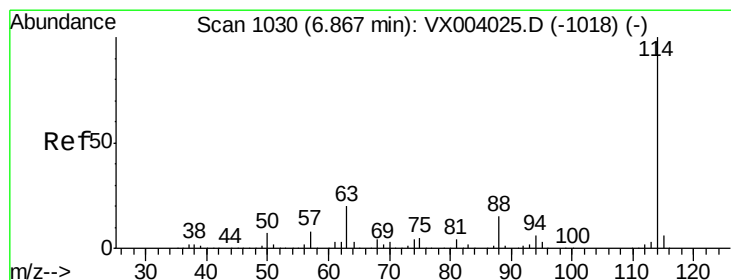
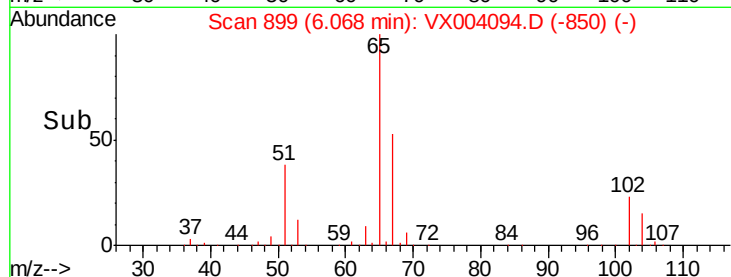
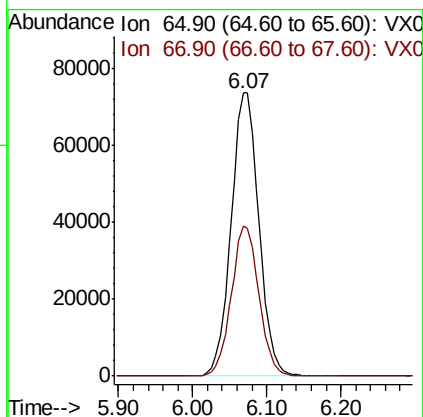
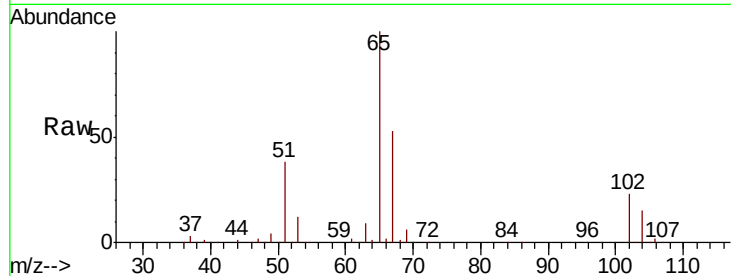




#33
 1,2-Dichloroethane-d4
 Concen: 53.08 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004094.D
 Acq: 16 Aug 2018 01:47

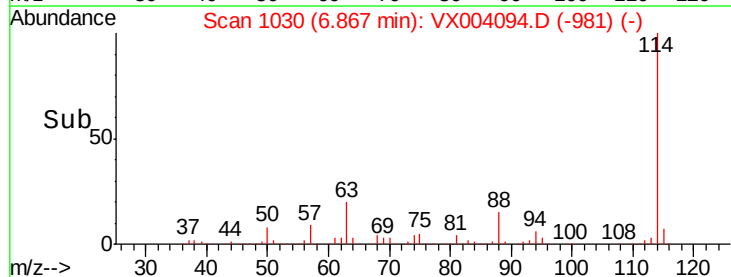
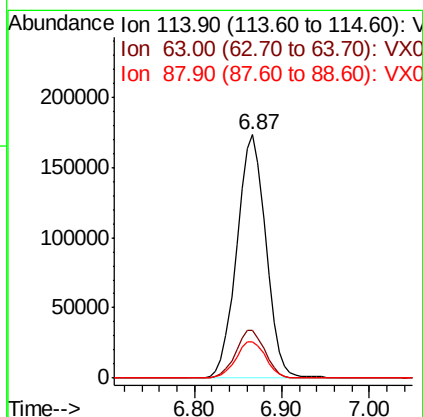
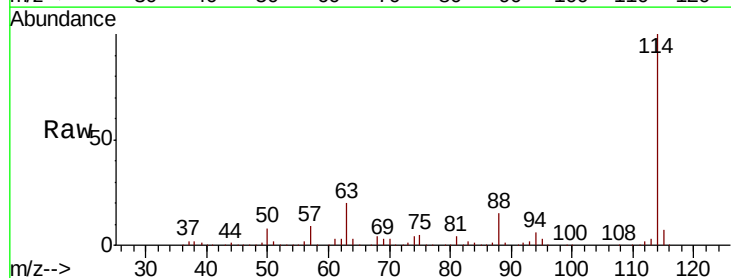
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBL02

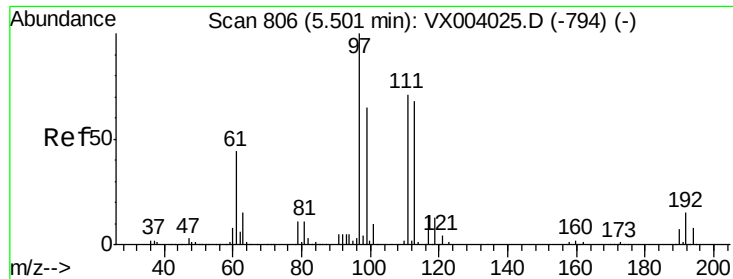
Tot Ion: 65 Resp: 192200
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004094.D
 Acq: 16 Aug 2018 01:47

Tgt Ion: 114 Resp: 399419
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 14.9 0.0 32.0

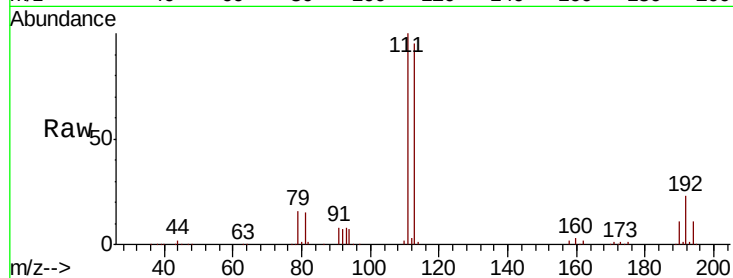




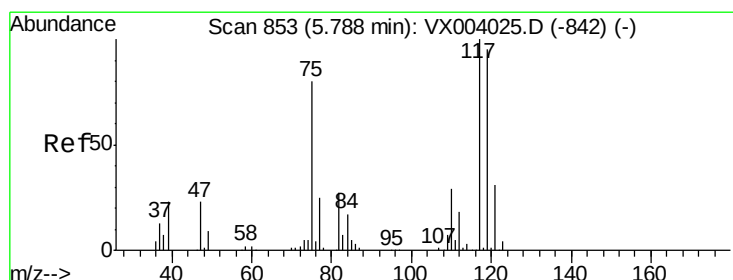
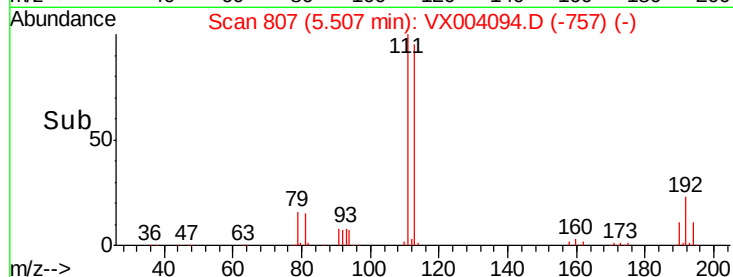
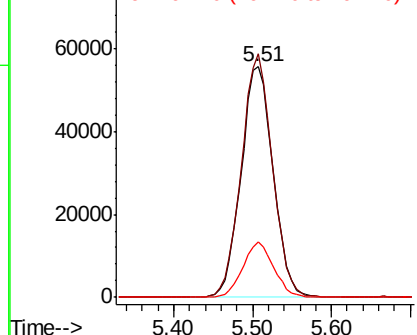
#35
Dibromofluoromethane
Concen: 52.67 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBL02

Tot Ion:113 Resp: 157443
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 22.9 19.0 28.4

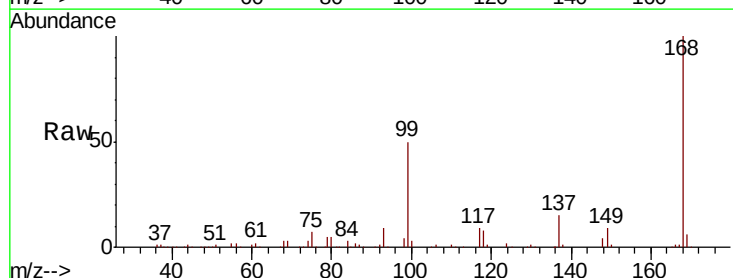


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

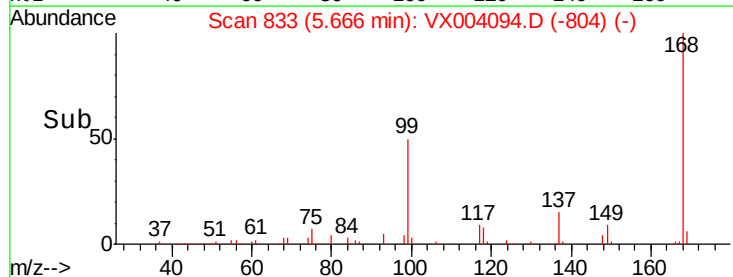
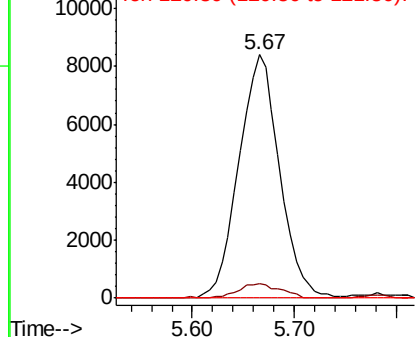


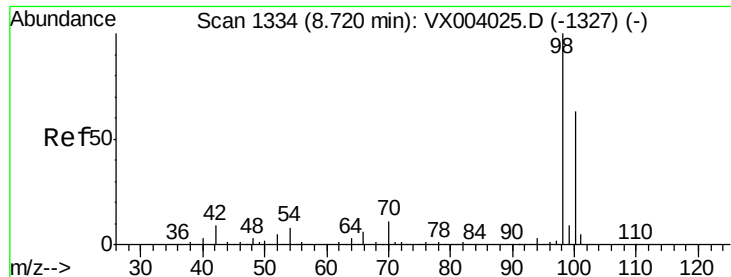
#38
Carbon Tetrachloride
Concen: 5.26 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

Tgt Ion:117 Resp: 23231
Ion Ratio Lower Upper
117 100
119 6.2 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

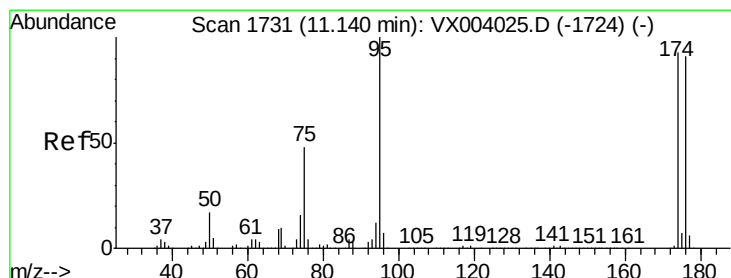
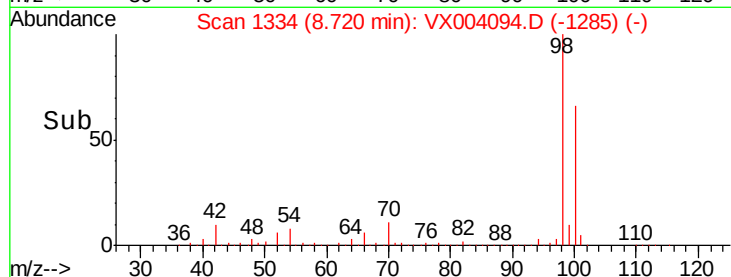
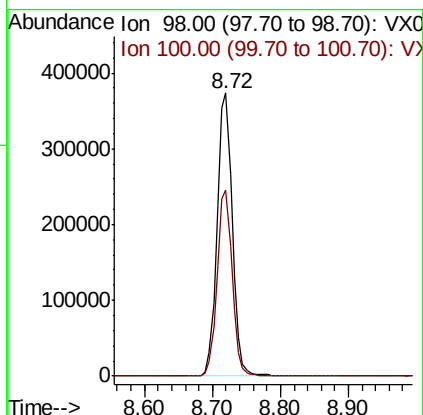
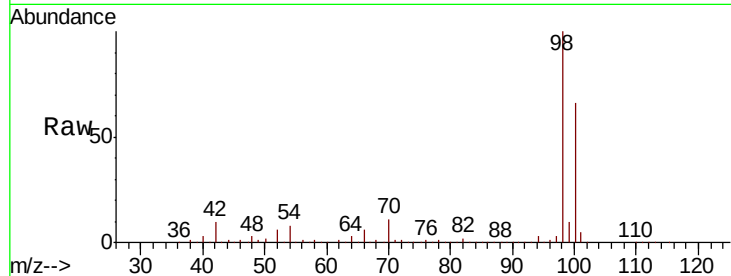




#50
Toluene-d8
Concen: 47.65 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

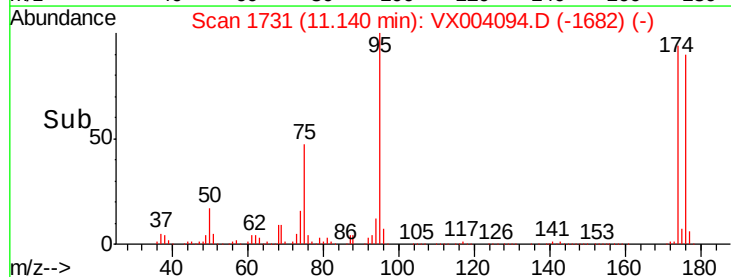
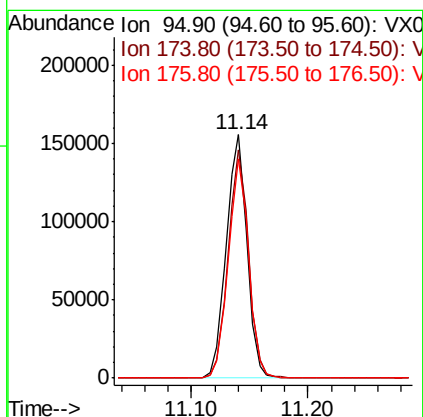
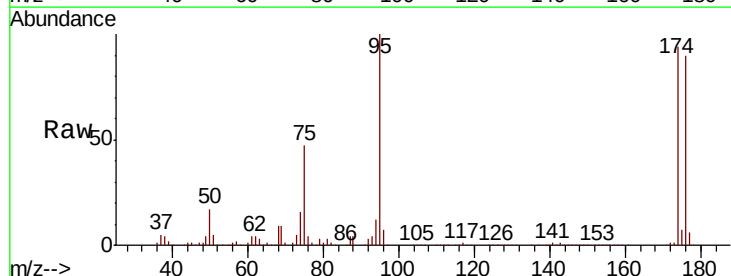
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBL02

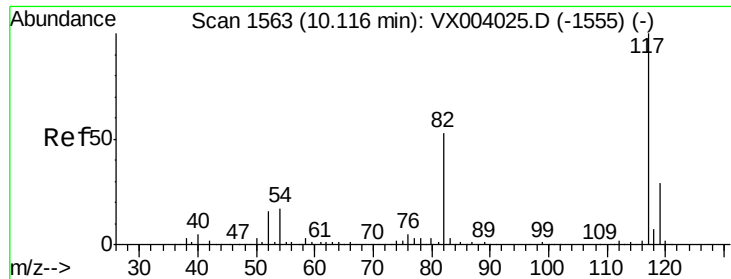
Tot Ion: 98 Resp: 577533
Ion Ratio Lower Upper
98 100
100 65.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 43.52 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

Tgt Ion: 95 Resp: 191315
Ion Ratio Lower Upper
95 100
174 93.2 0.0 182.8
176 89.2 0.0 179.0

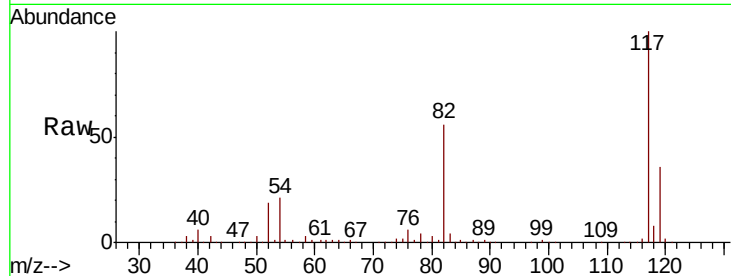




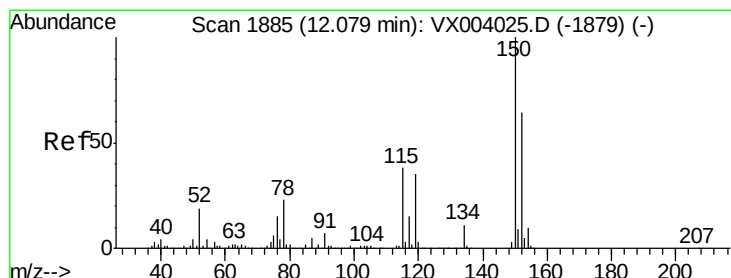
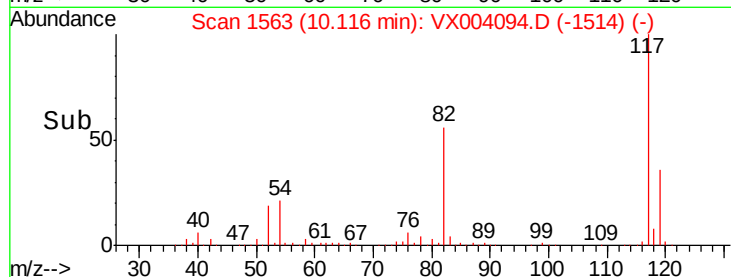
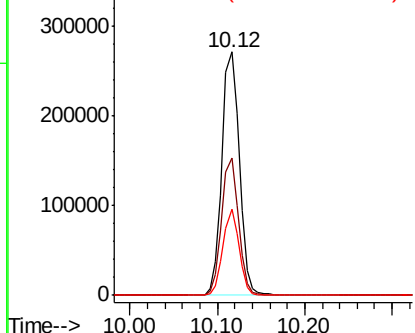
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBL02

Tot Ion:117 Resp: 372541
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.0
119 35.7 26.6 40.0

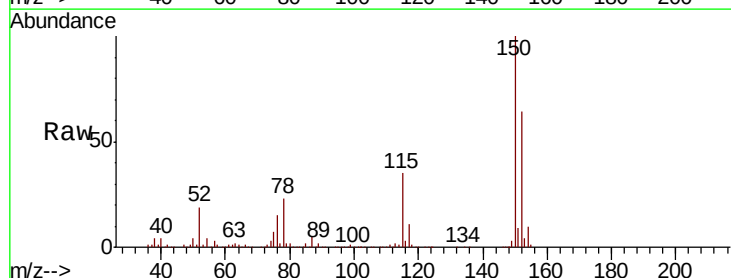


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

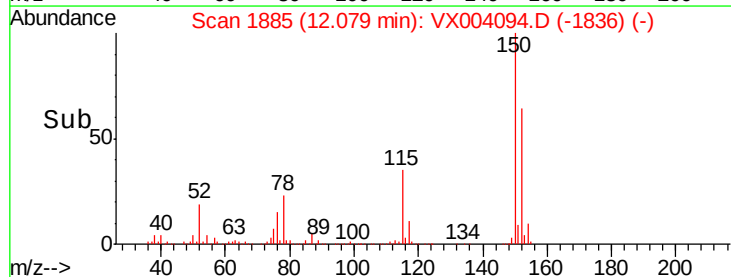
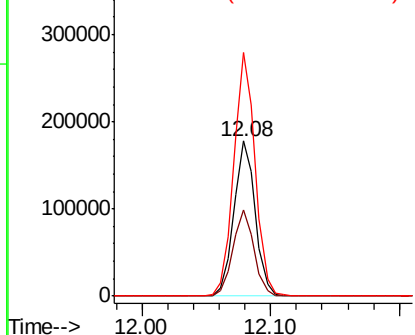


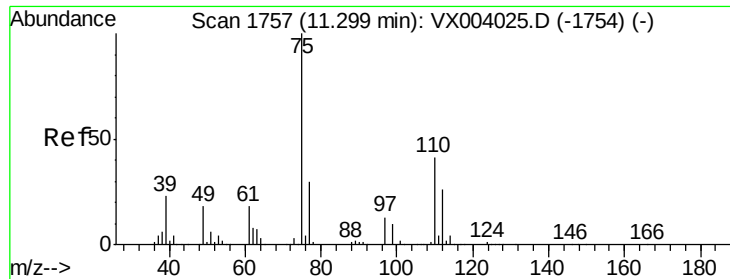
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004094.D
Acq: 16 Aug 2018 01:47

Tgt Ion:152 Resp: 206266
Ion Ratio Lower Upper
152 100
115 55.0 39.1 117.3
150 156.9 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: 22.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004094.D

Acq: 16 Aug 2018 01:47

Instrument :

MSVOA_X

ClientSampleId :

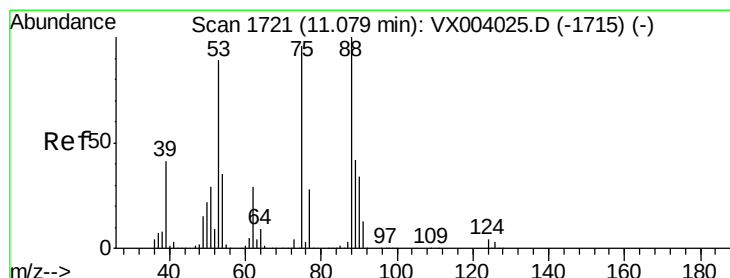
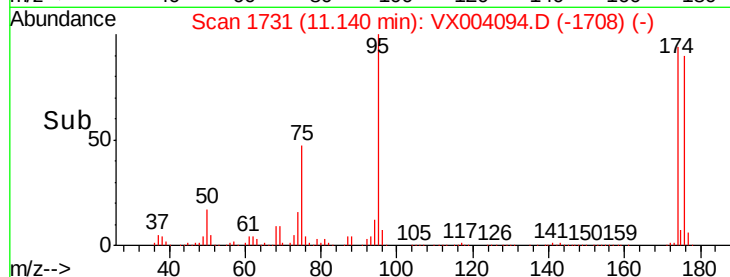
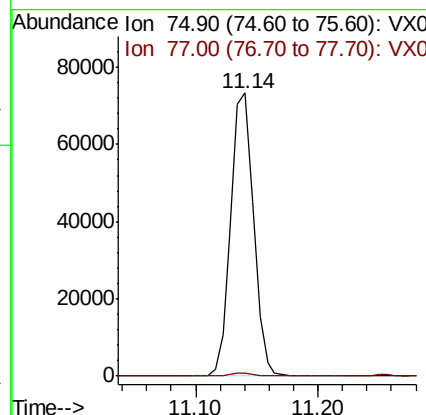
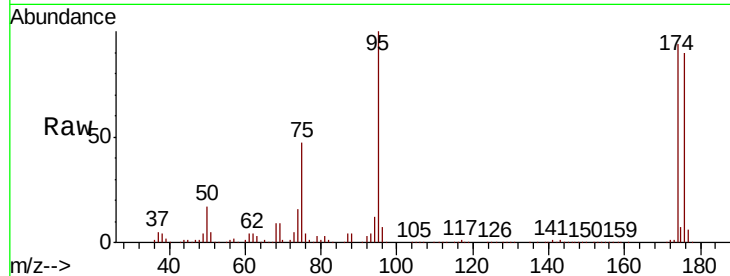
VX0815WBL02

Tot Ion: 75 Resp: 94996

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004094.D

Acq: 16 Aug 2018 01:47

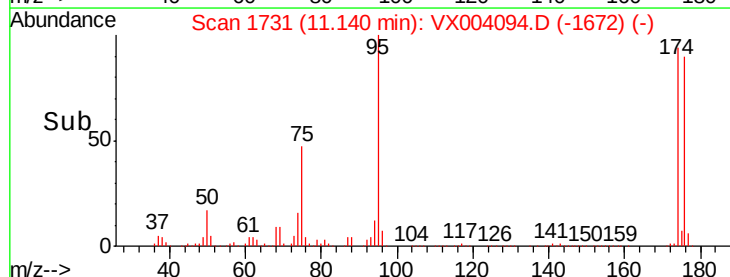
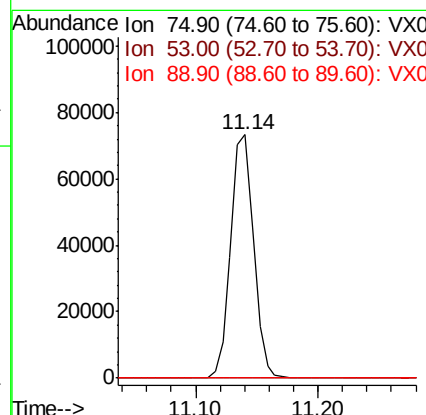
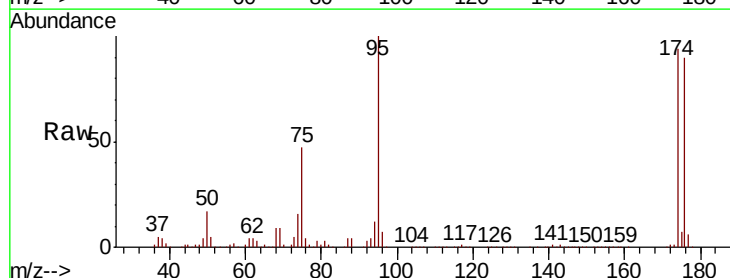
Tgt Ion: 75 Resp: 94996

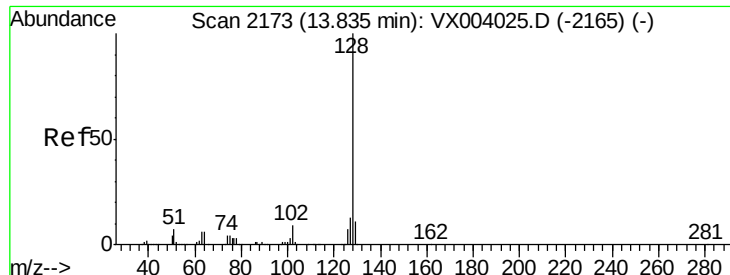
Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 1.22 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004094.D

Acq: 16 Aug 2018 01:47

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBL02

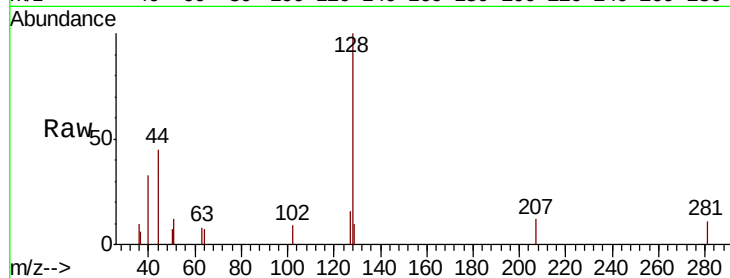
Tot Ion:128 Resp: 1065

Ion Ratio Lower Upper

128 100

127 10.6 10.2 15.2

129 7.3 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

