

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051396.D
 Acq On : 22 Sep 2018 14:30
 Operator : MD\SY
 Sample : I.BLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Sep 24 05:39:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 05:35:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	698493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1051972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	858749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	440630	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	401414	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
50) Toluene-d8	10.09	98	1456861	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.40	95	400989	39.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.26%	

Target Compounds

						Qvalue
5) Bromomethane	2.57	94	3512	0.570	ug/l	81
10) Methyl Iodide	3.96	142	2786	0.523	ug/l #	48
13) Acrolein	3.61	56	830	1.693	ug/l #	77
15) Acrylonitrile	4.99	53	1616	0.602	ug/l #	57
16) Acetone	3.81	43	1136	Below Cal		93
17) Carbon Disulfide	4.05	76	31593	1.384	ug/l	97
18) Methyl Acetate	4.33	43	5409	0.812	ug/l #	89
21) trans-1,2-Dichloroethene	5.04	96	4480	0.564	ug/l #	93
29) Tetrahydrofuran	7.22	42	937	0.494	ug/l #	69
31) Cyclohexane	7.66	56	12078	0.877	ug/l #	1
38) Carbon Tetrachloride	7.67	117	63134	4.955	ug/l #	16
43) Isopropyl Acetate	8.28	43	21395	1.689	ug/l #	60
49) 1,4-Dioxane	9.20	88	31	0.401	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	2580	0.370	ug/l #	76
58) 2-Chloroethyl Vinyl ether	9.70	63	871	20.523	ug/l #	55
59) 2-Hexanone	10.76	43	3552	0.787	ug/l	93
68) m/p-Xylenes	11.62	106	3252	0.226	ug/l	86
70) Styrene	11.97	104	4503	0.206	ug/l #	88
74) N-amyl acetate	12.08	43	2504	0.362	ug/l #	86
76) 1,2,3-Trichloropropane	12.40	75	191364	36.348	ug/l #	100
77) Bromobenzene	12.53	156	2801	0.402	ug/l	99
78) n-propylbenzene	12.59	91	7345	0.237	ug/l	99
79) 2-Chlorotoluene	12.68	91	4320	0.233	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191364	108.606	ug/l #	12
82) 4-Chlorotoluene	12.77	91	7316	0.395	ug/l	98
85) sec-Butylbenzene	13.17	105	5791	0.214	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	7091	0.588	ug/l	99
88) 1,4-Dichlorobenzene	13.28	146	7091	0.611	ug/l	99
89) n-Butylbenzene	13.61	91	8665	0.450	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	6220	0.531	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	657	0.717	ug/l	78
93) 1,2,4-Trichlorobenzene	14.91	180	10330	7.423	ug/l	95
94) Hexachlorobutadiene	15.01	225	9344	2.110	ug/l	99
95) Naphthalene	15.13	128	22346	9.589	ug/l	98

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

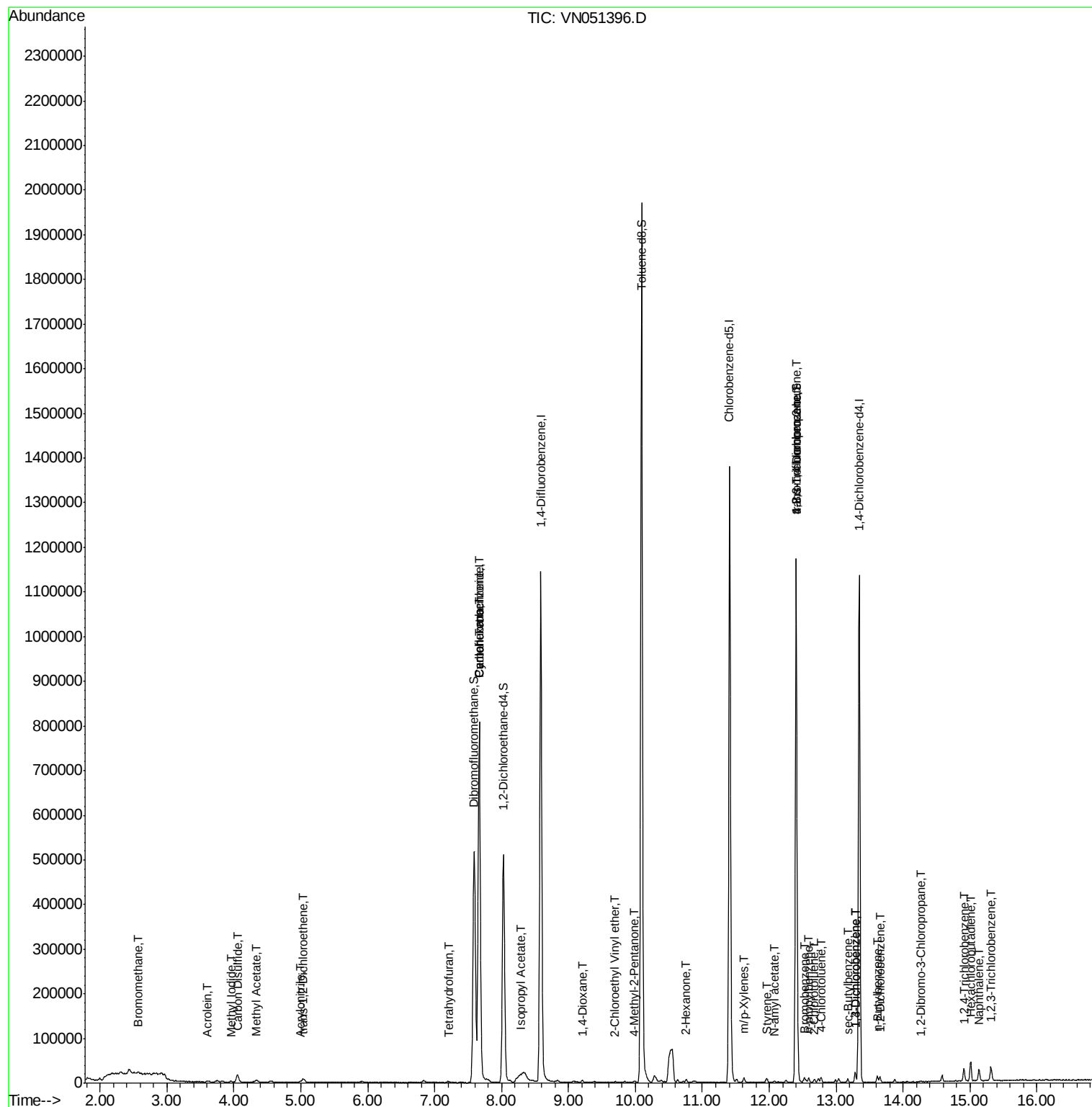
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	12063	2.148	ug/l	97

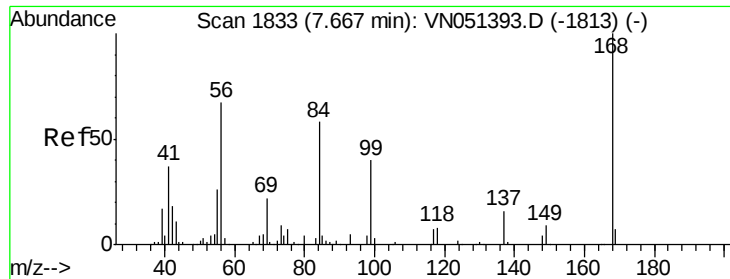
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
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MSVOA_N
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampled :

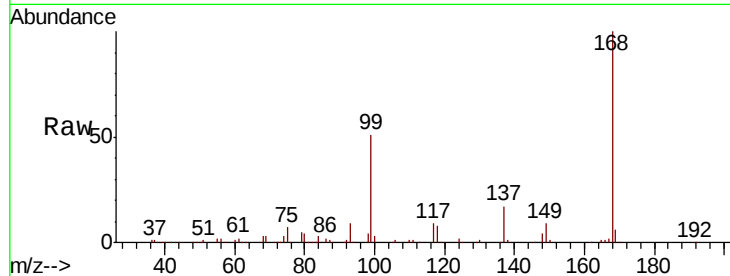
I.BLK

Tgt Ion:168 Resp: 698493

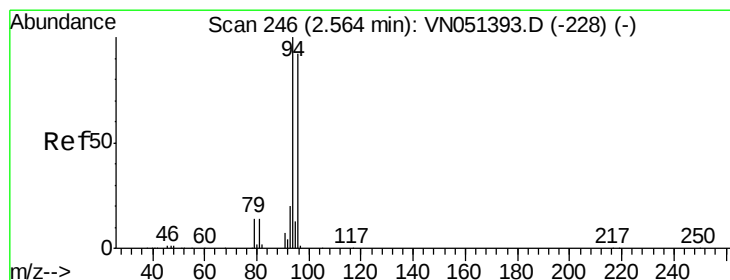
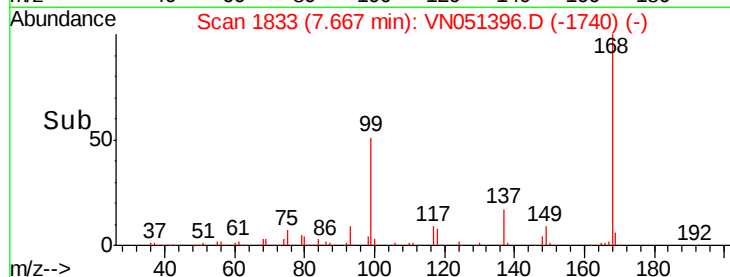
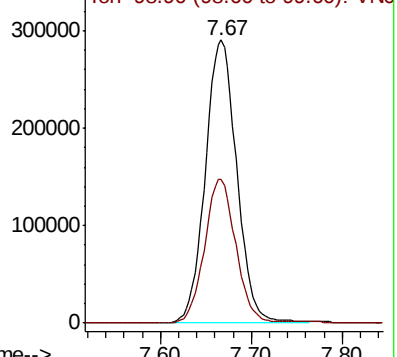
Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051396.D (-1740) (-)



#5

Bromomethane

Concen: 0.570 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051396.D

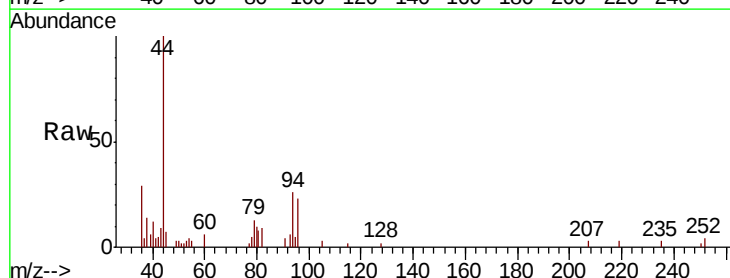
Acq: 22 Sep 2018 14:30

Tgt Ion: 94 Resp: 3512

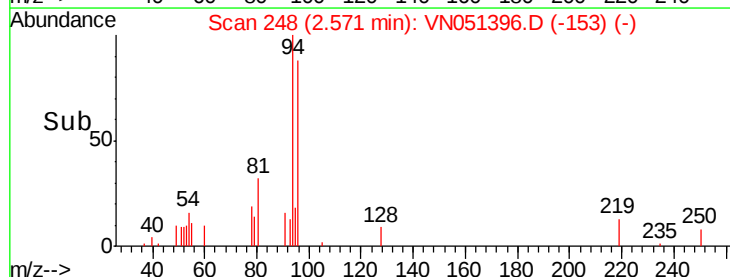
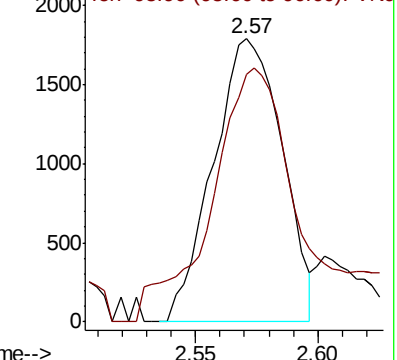
Ion Ratio Lower Upper

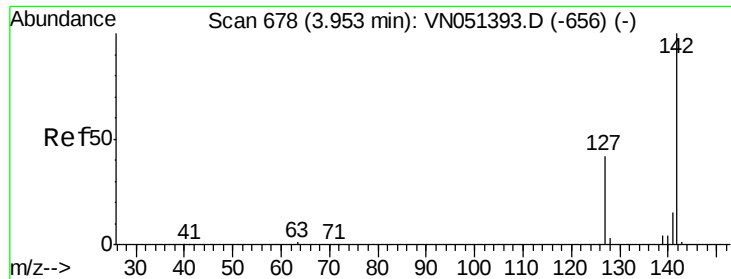
94 100

96 73.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051396.D (-153) (-)

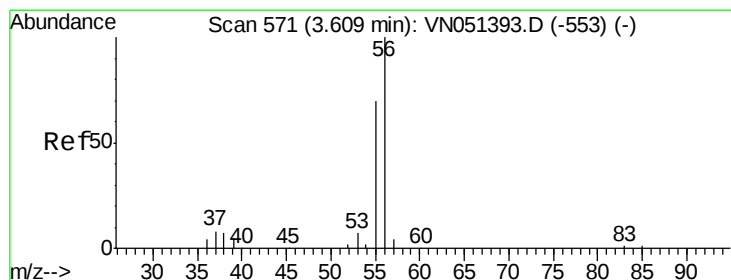
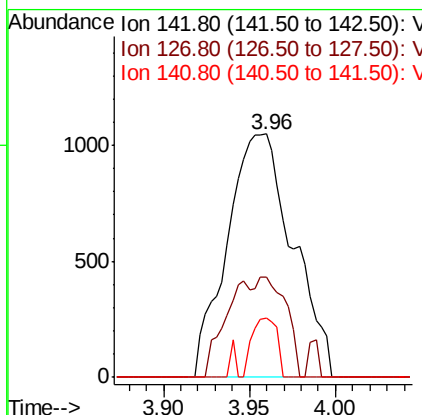
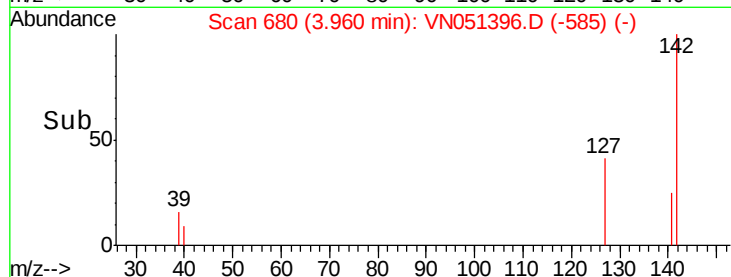
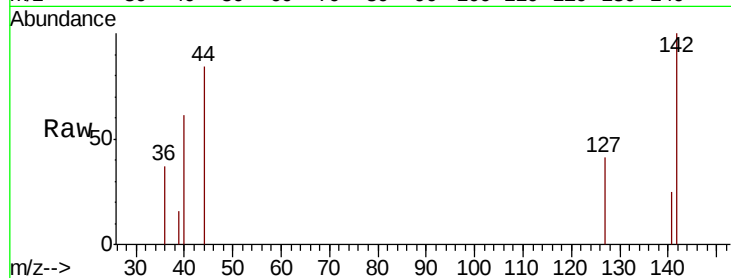




#10
Methyl Iodide
Concen: 0.523 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

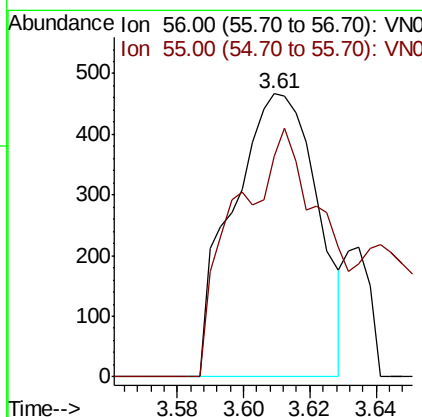
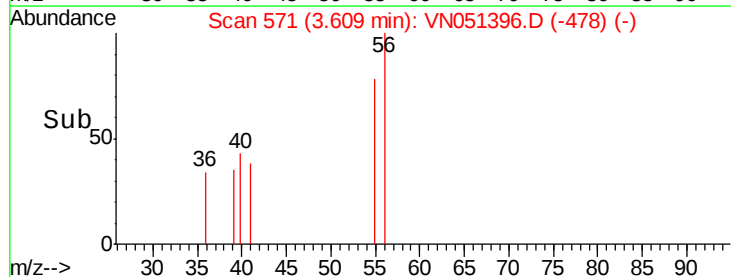
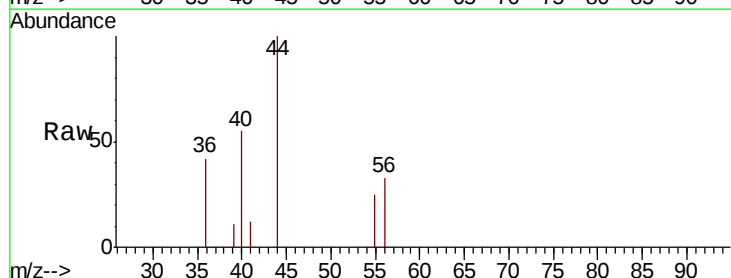
Instrument :
MSVOA_N
ClientSampled :
I.BLK

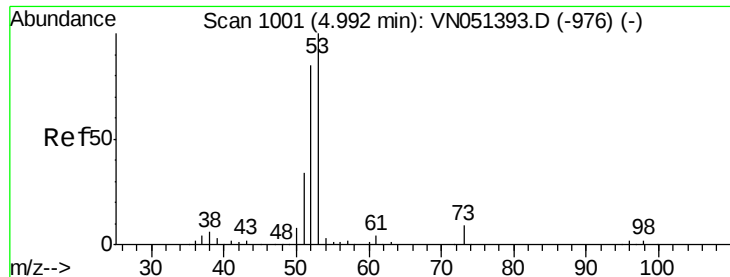
Tgt Ion: 142 Resp: 2786
Ion Ratio Lower Upper
142 100
127 0.0 33.2 49.8#
141 9.2 11.5 17.3#



#13
Acrolein
Concen: 1.693 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

Tgt Ion: 56 Resp: 830
Ion Ratio Lower Upper
56 100
55 91.2 57.8 86.8#





#15

Acrylonitrile

Concen: 0.602 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampled :

I.BLK

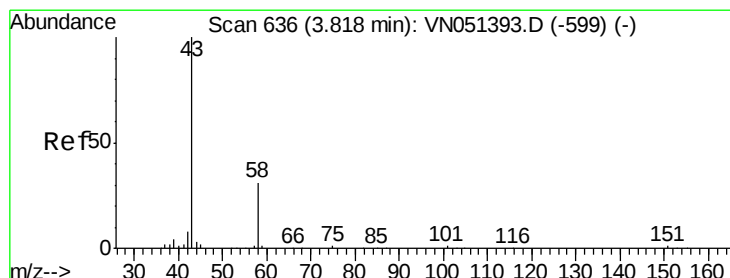
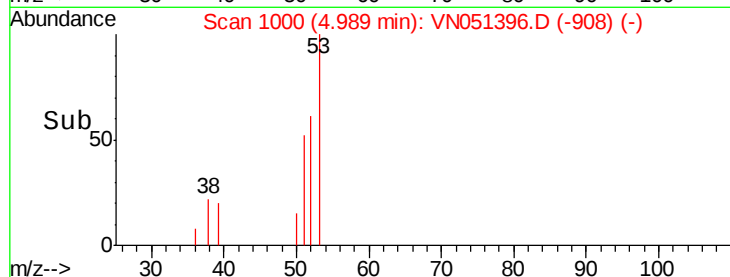
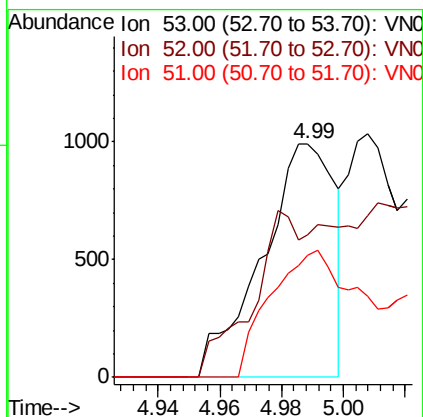
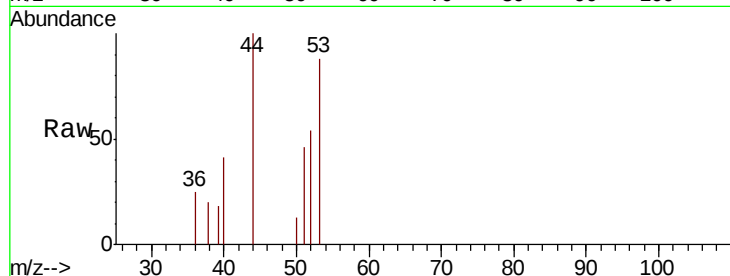
Tgt Ion: 53 Resp: 1616

Ion Ratio Lower Upper

53 100

52 45.9 66.2 99.2#

51 64.5 28.6 42.8#



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN051396.D

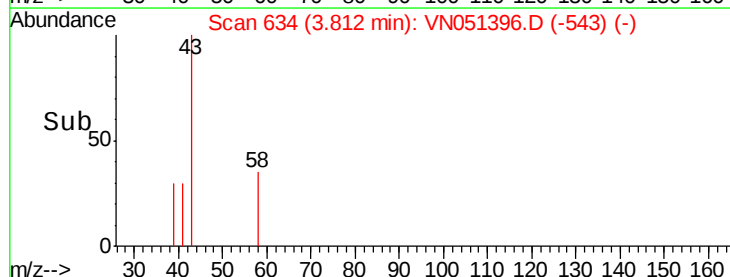
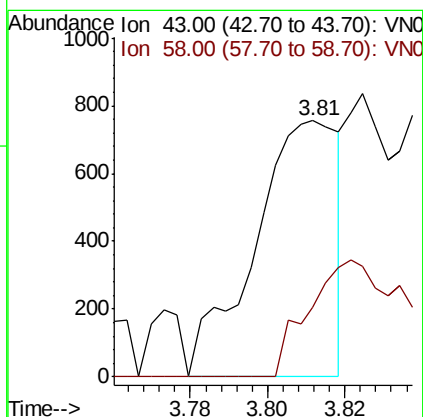
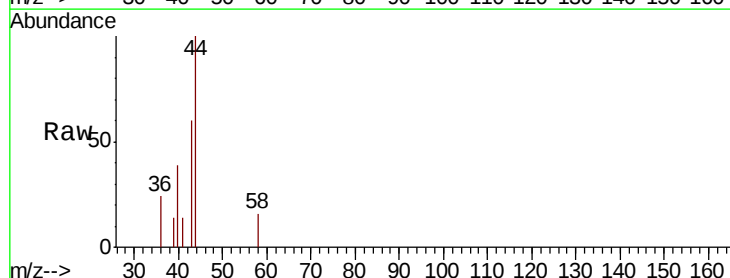
Acq: 22 Sep 2018 14:30

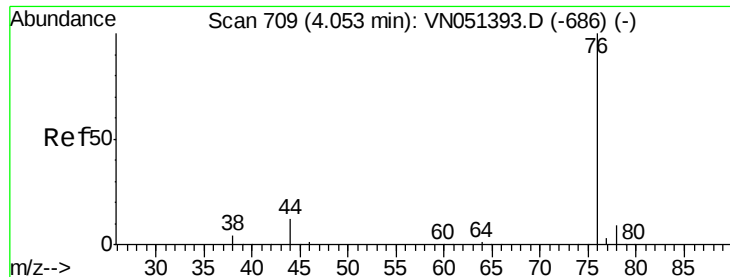
Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

58 27.4 25.0 37.4

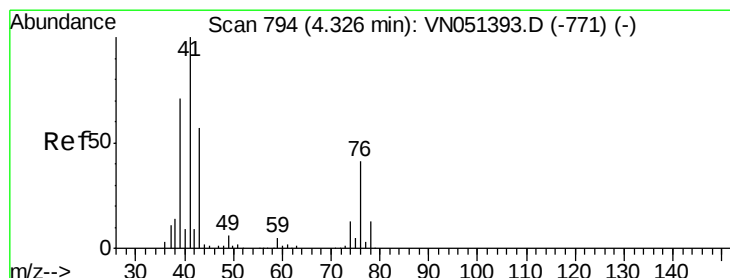
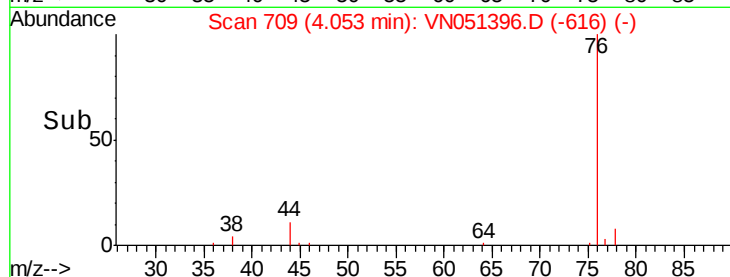
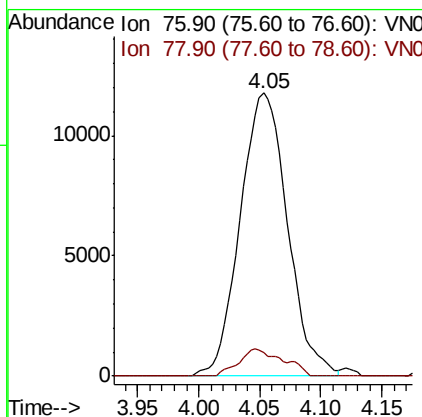
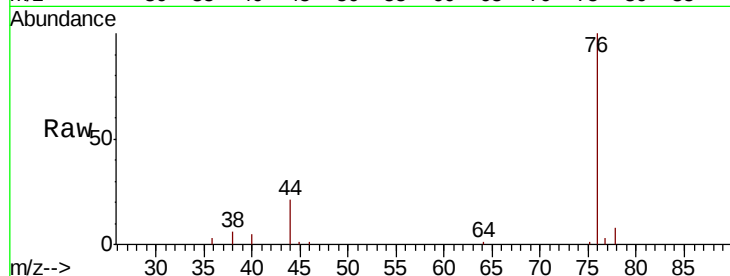




#17
Carbon Disulfide
Concen: 1.384 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

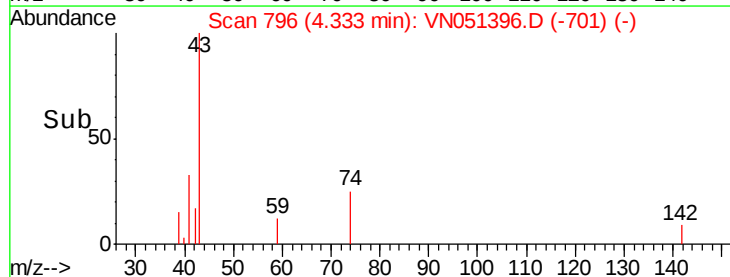
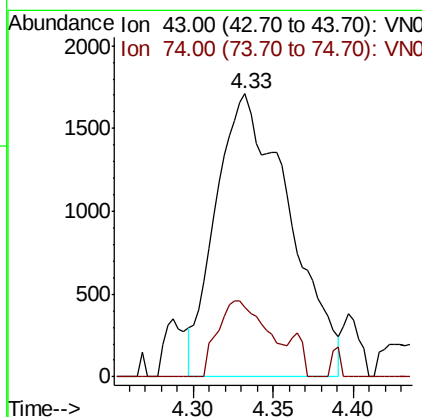
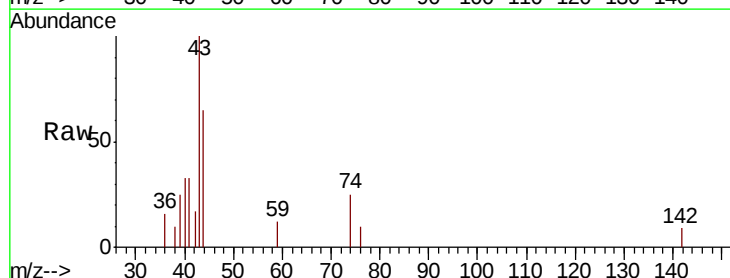
Instrument :
MSVOA_N
ClientSampled :
I.BLK

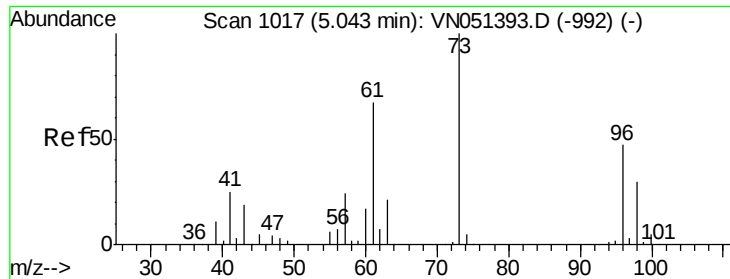
Tgt Ion: 76 Resp: 31593
Ion Ratio Lower Upper
76 100
78 8.2 7.3 10.9



#18
Methyl Acetate
Concen: 0.812 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

Tgt Ion: 43 Resp: 5409
Ion Ratio Lower Upper
43 100
74 18.2 18.8 28.2#





#21

trans-1,2-Dichloroethene

Concen: 0.564 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampled :

I.BLK

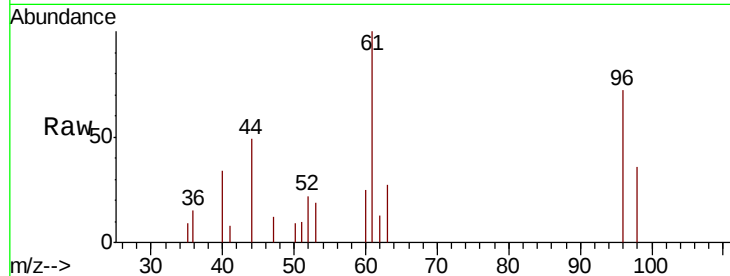
Tgt Ion: 96 Resp: 4480

Ion Ratio Lower Upper

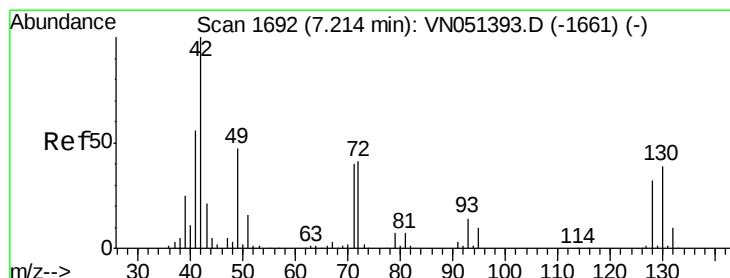
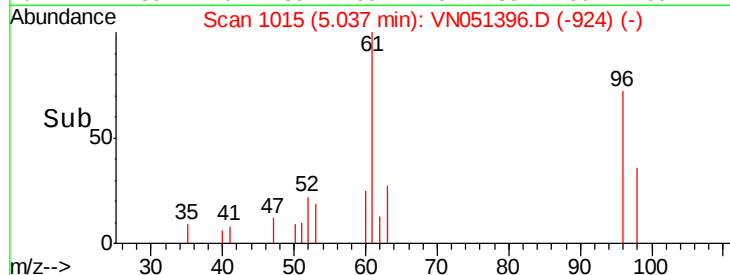
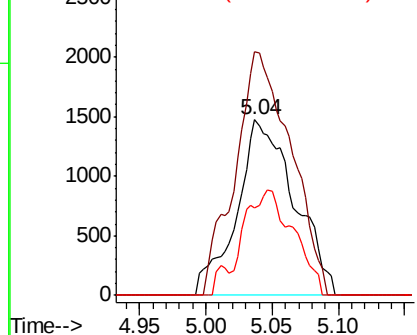
96 100

61 138.9 113.4 170.2

98 49.7 51.1 76.7#



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



#29

Tetrahydrofuran

Concen: 0.494 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

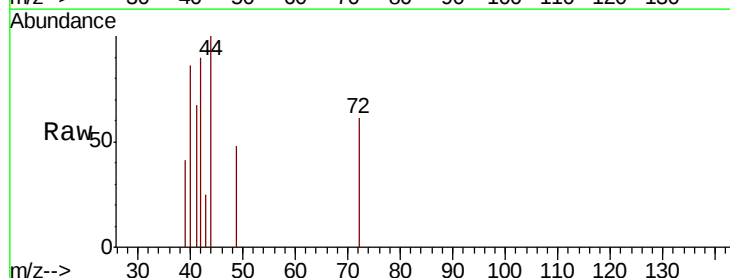
Tgt Ion: 42 Resp: 937

Ion Ratio Lower Upper

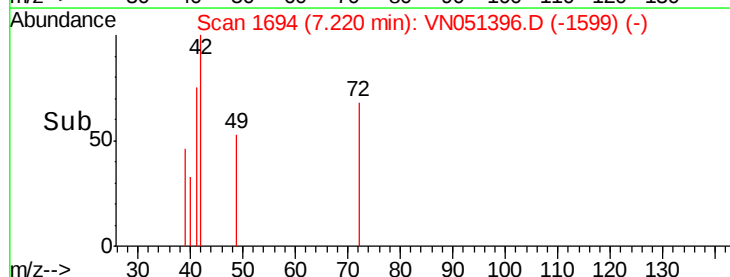
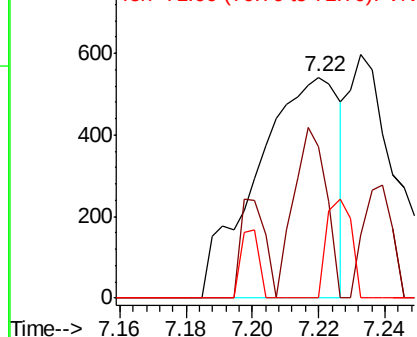
42 100

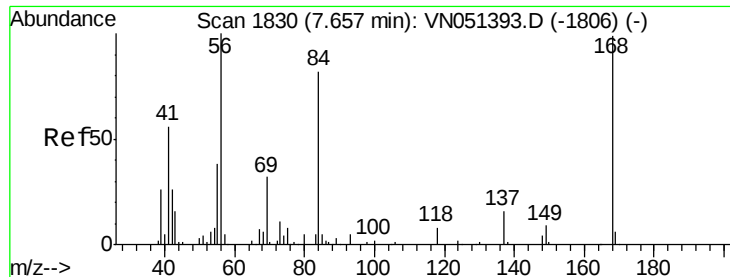
72 30.6 34.3 51.5#

71 13.4 32.2 48.4#



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





#31

Cyclohexane

Concen: 0.877 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampled :

I.BLK

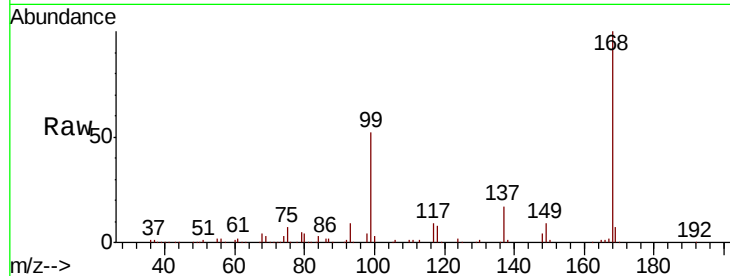
Tgt Ion: 56 Resp: 12078

Ion Ratio Lower Upper

56 100

69 188.4 25.8 38.6#

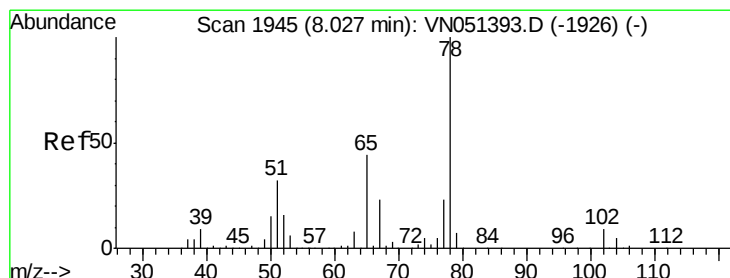
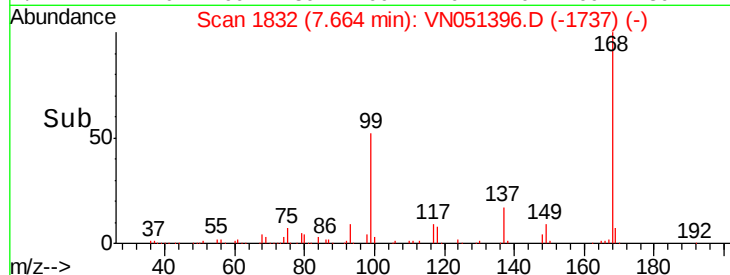
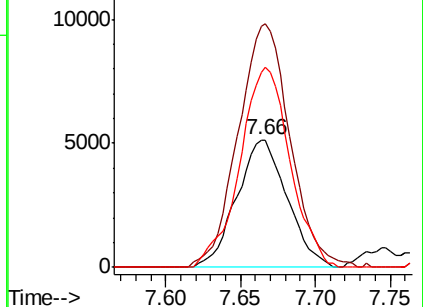
84 152.6 66.0 99.0#



Abundance Ion 56.00 (55.70 to 56.70): VN051396.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN051396.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN051396.D (-1737) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.358 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051396.D

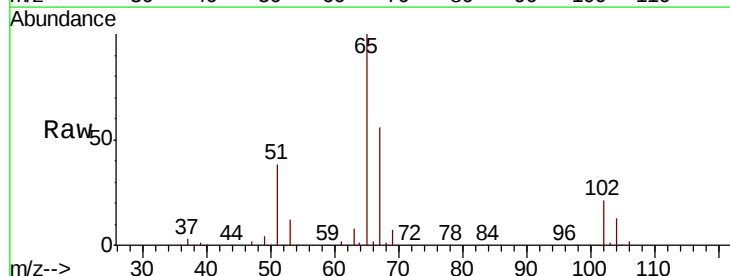
Acq: 22 Sep 2018 14:30

Tgt Ion: 65 Resp: 440630

Ion Ratio Lower Upper

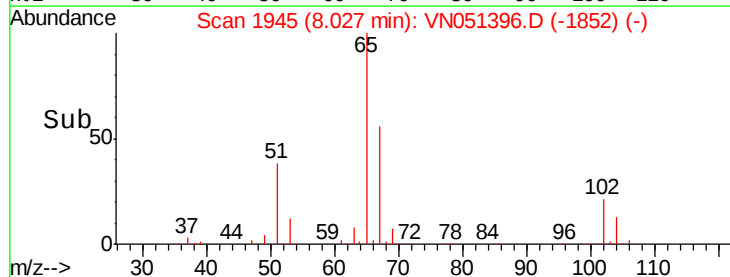
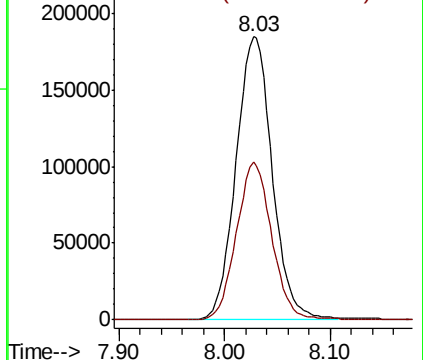
65 100

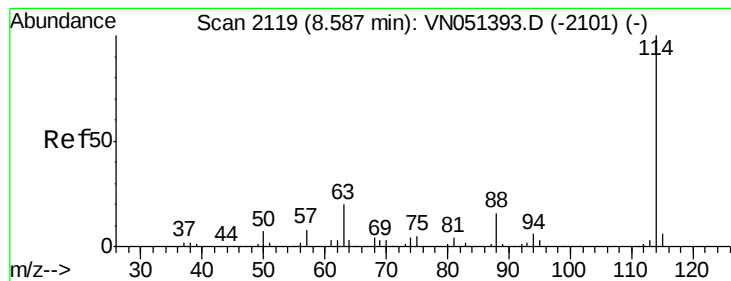
67 54.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN051396.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN051396.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

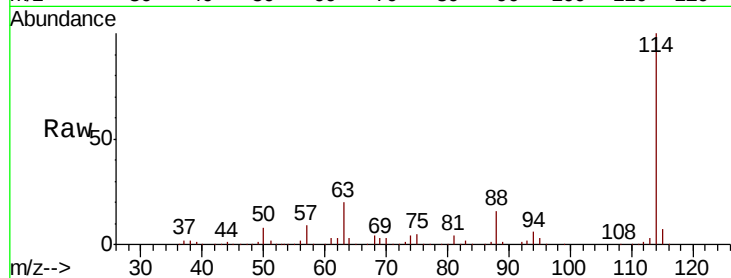
Tgt Ion:114 Resp: 1051972

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

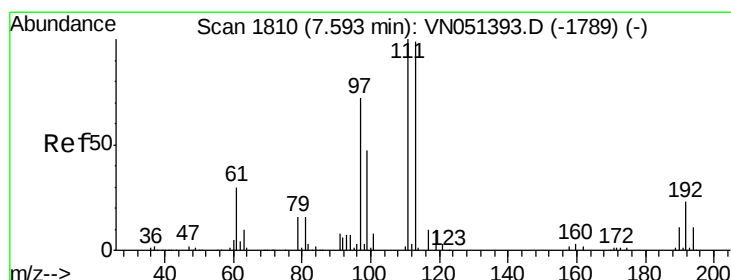
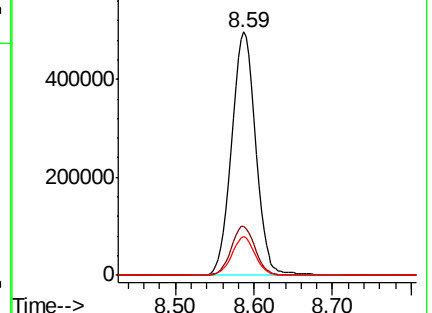
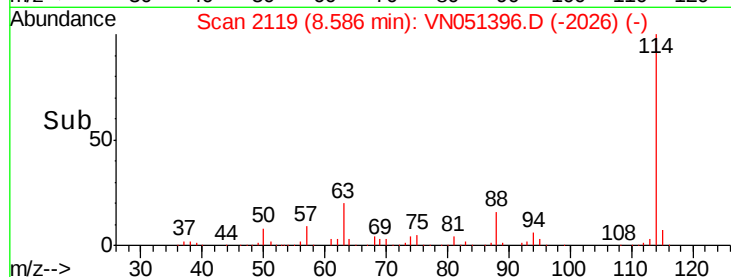
88 16.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.718 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

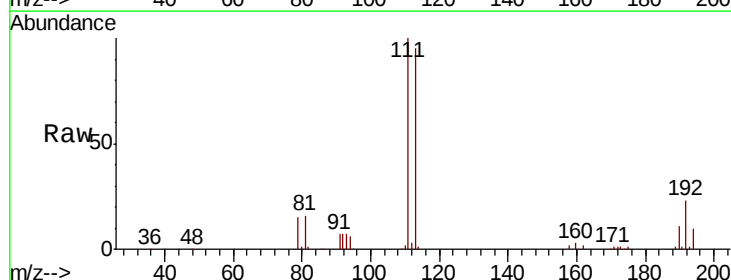
Tgt Ion:113 Resp: 401414

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

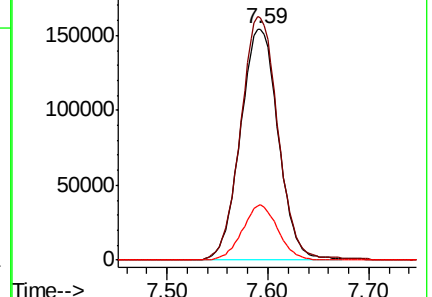
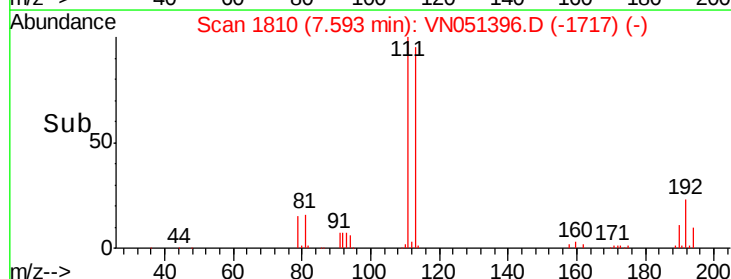
192 22.3 18.0 27.0

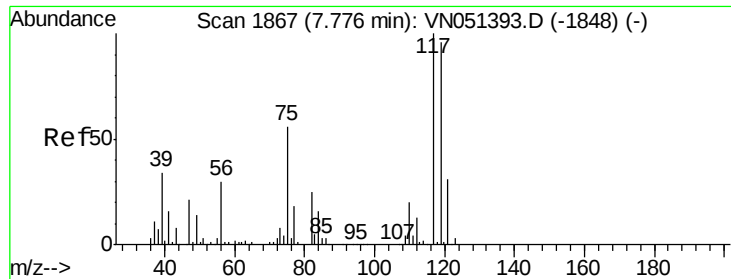


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 4.955 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

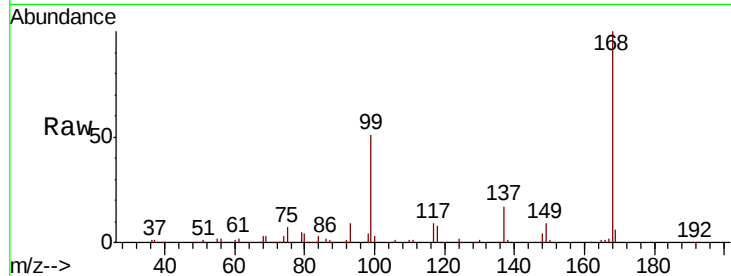
Tgt Ion:117 Resp: 63134

Ion Ratio Lower Upper

117 100

119 5.0 76.9 115.3#

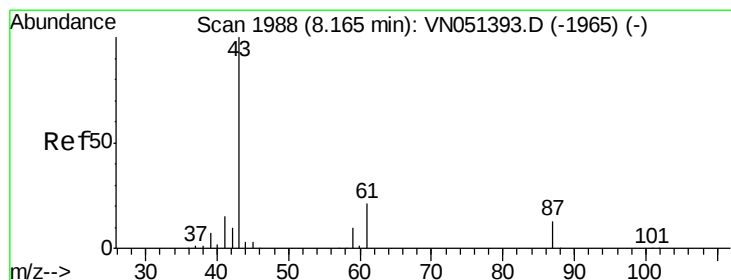
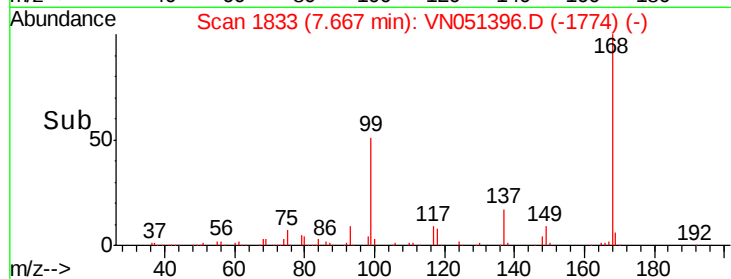
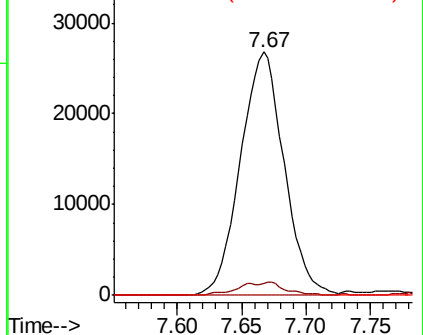
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 1.689 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.12 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

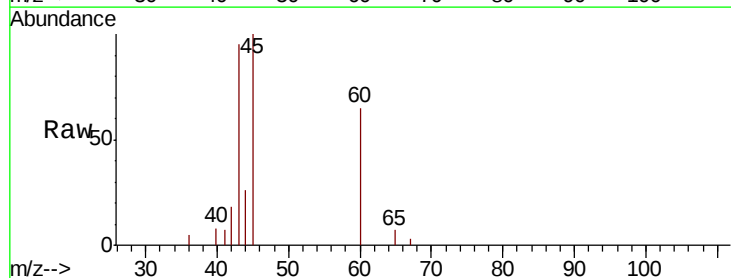
Tgt Ion: 43 Resp: 21395

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

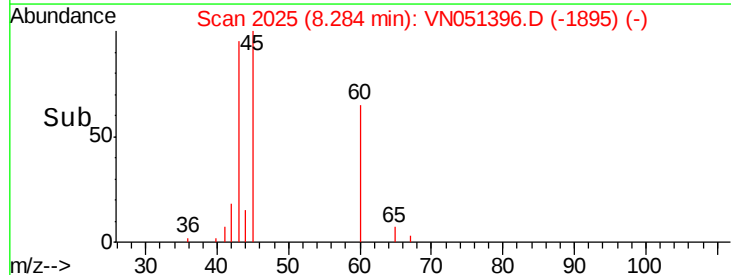
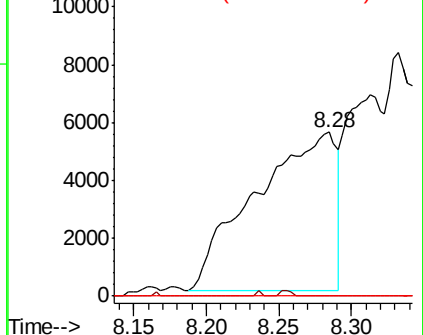
87 0.0 10.7 16.1#

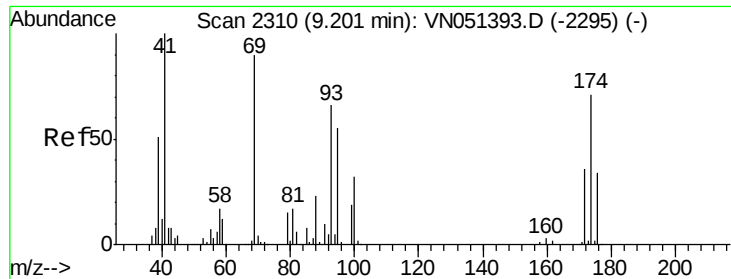


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#49

1,4-Dioxane

Concen: 0.401 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

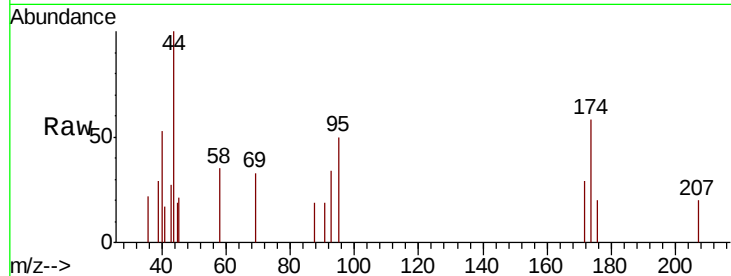
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 419.4 25.9 38.9#

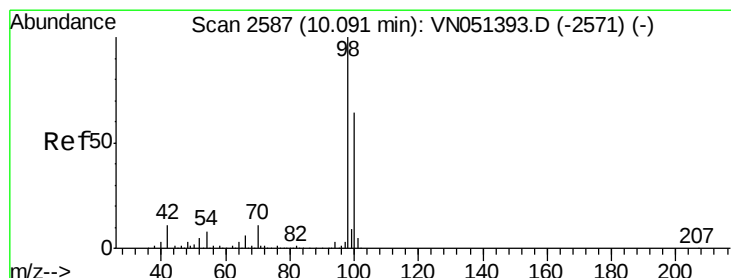
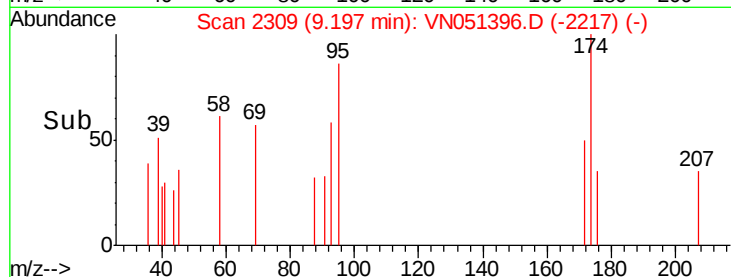
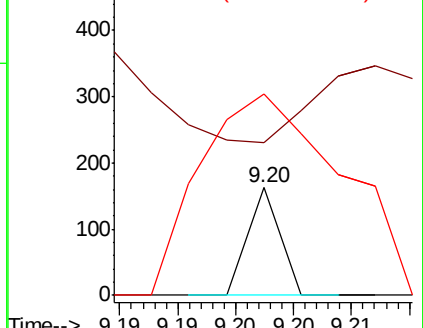
58 829.0 57.0 85.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 45.991 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051396.D

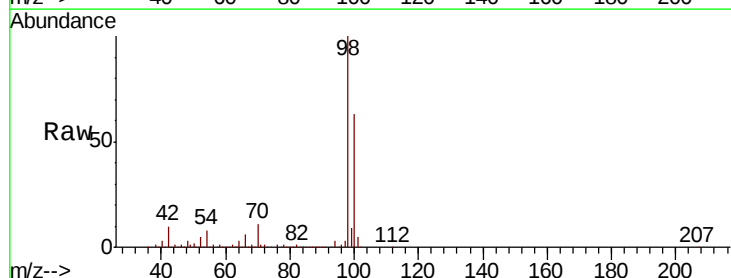
Acq: 22 Sep 2018 14:30

Tgt Ion: 98 Resp: 1456861

Ion Ratio Lower Upper

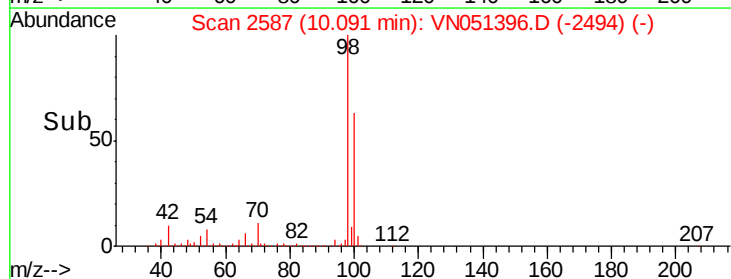
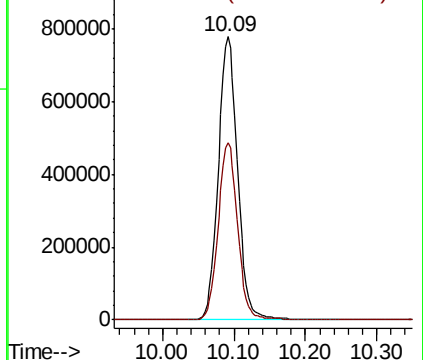
98 100

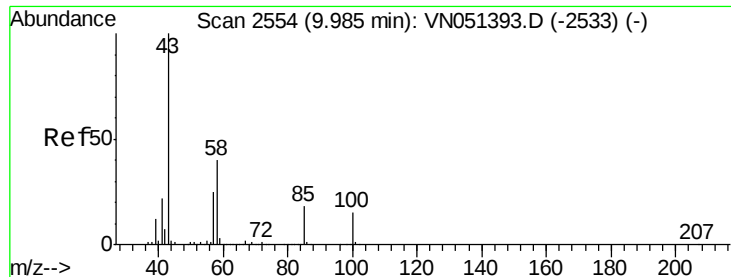
100 63.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

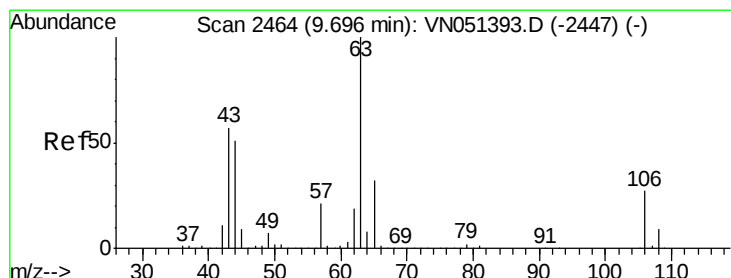
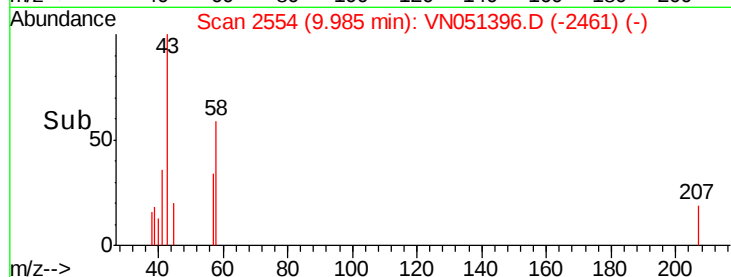
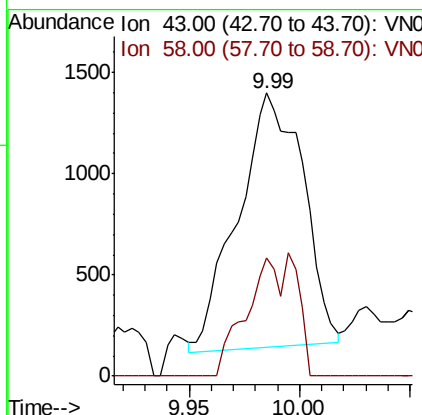
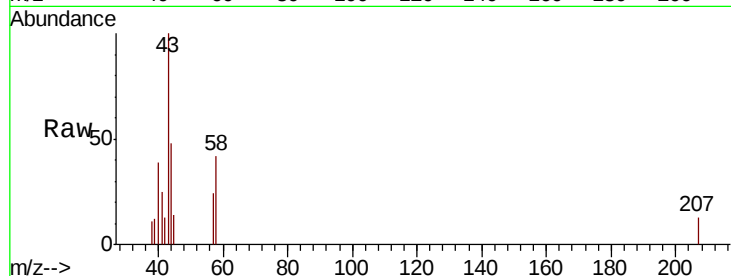




#51
 4-Methyl-2-Pentanone
 Concen: 0.370 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051396.D
 Acq: 22 Sep 2018 14:30

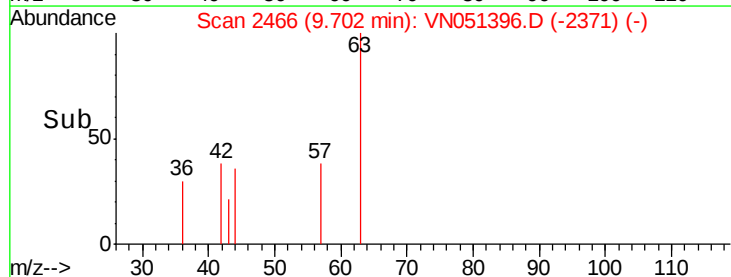
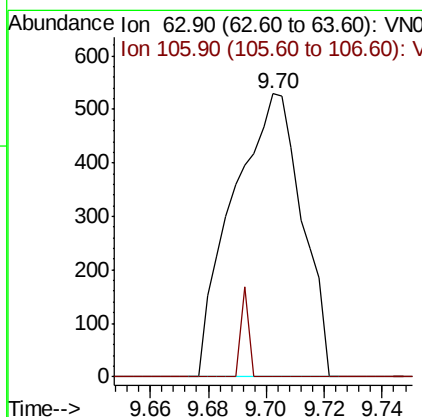
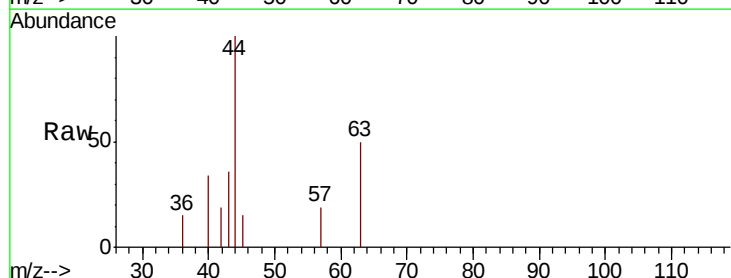
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

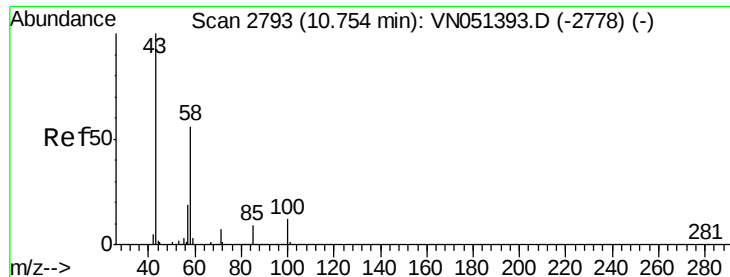
Tgt Ion: 43 Resp: 2580
 Ion Ratio Lower Upper
 43 100
 58 24.7 31.5 47.3#



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.523 ug/l
 RT: 9.70 min Scan# 2466
 Delta R.T. 0.01 min
 Lab File: VN051396.D
 Acq: 22 Sep 2018 14:30

Tgt Ion: 63 Resp: 871
 Ion Ratio Lower Upper
 63 100
 106 3.7 21.4 32.2#

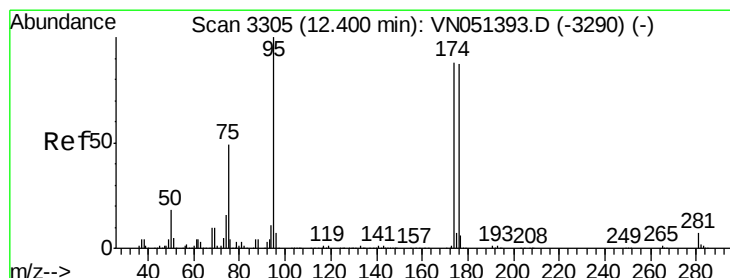
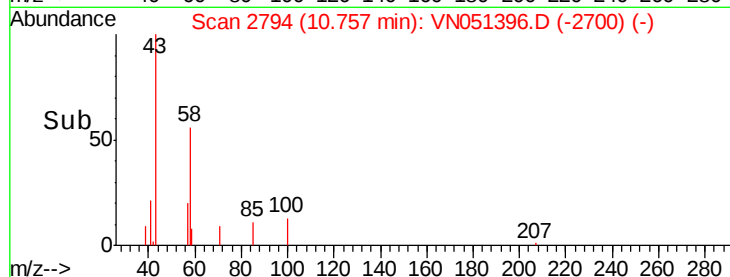
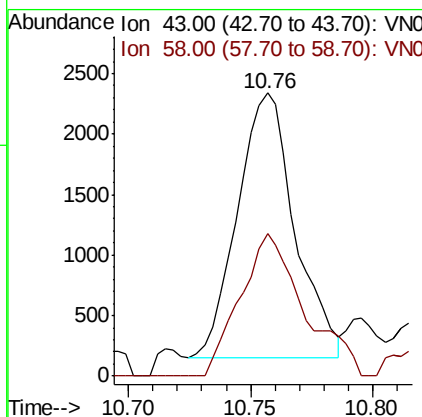
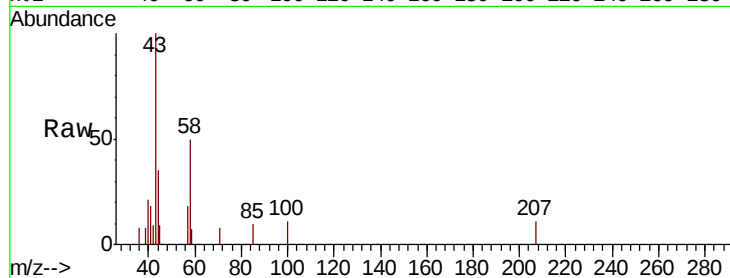




#59
2-Hexanone
Concen: 0.787 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

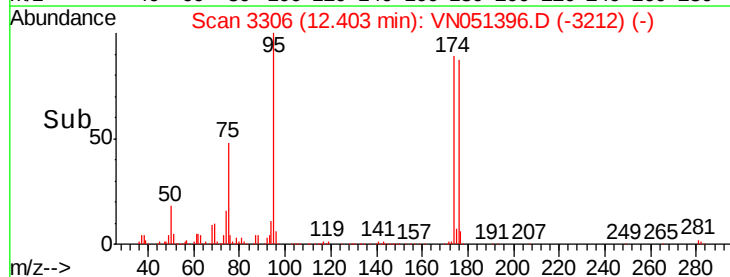
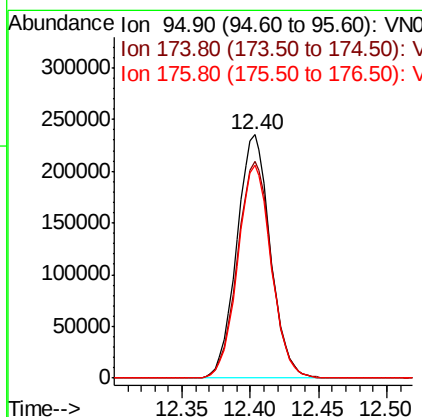
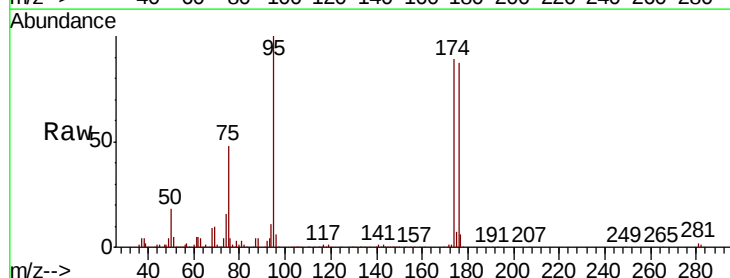
Instrument :
MSVOA_N
ClientSampled :
I.BLK

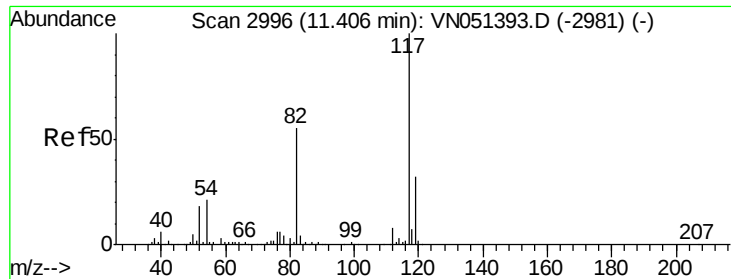
Tgt Ion: 43 Resp: 3552
Ion Ratio Lower Upper
43 100
58 60.1 27.7 83.0



#62
4-Bromofluorobenzene
Concen: 39.130 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

Tgt Ion: 95 Resp: 400989
Ion Ratio Lower Upper
95 100
174 90.5 0.0 181.6
176 87.6 0.0 176.4

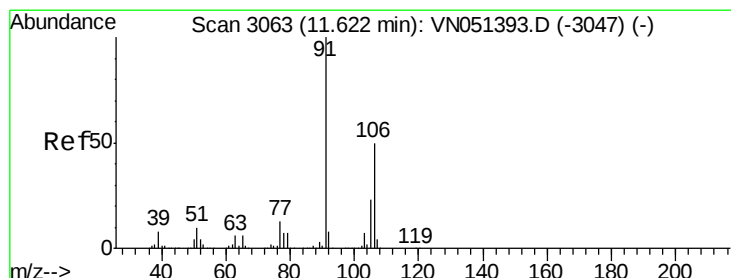
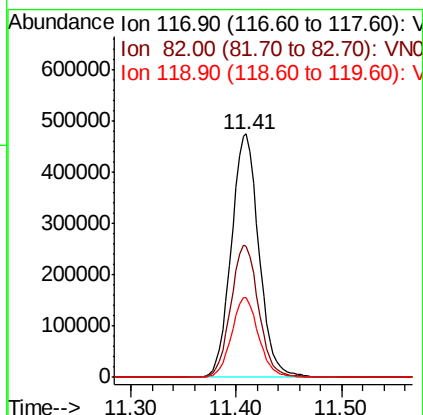
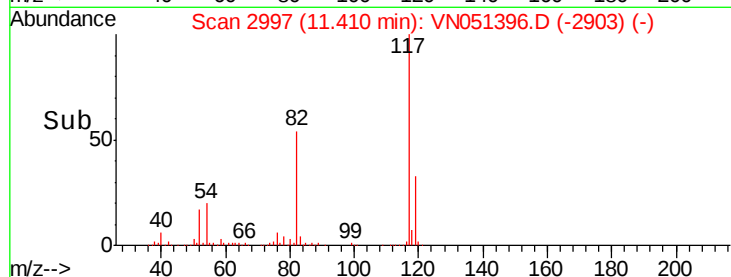
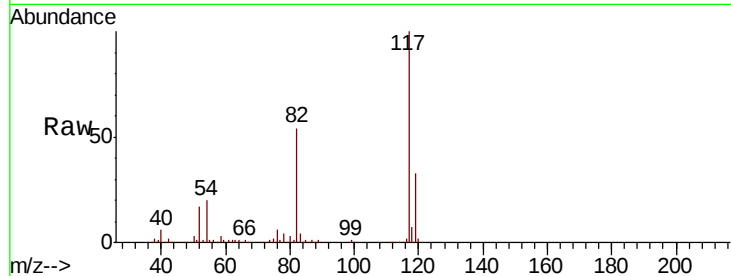




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

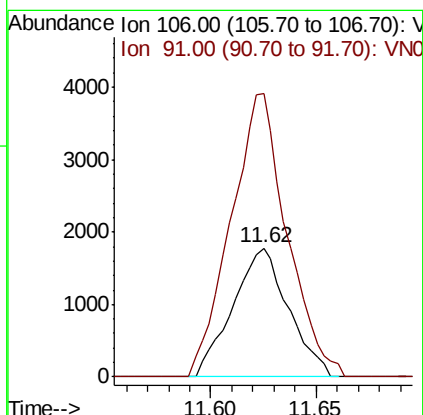
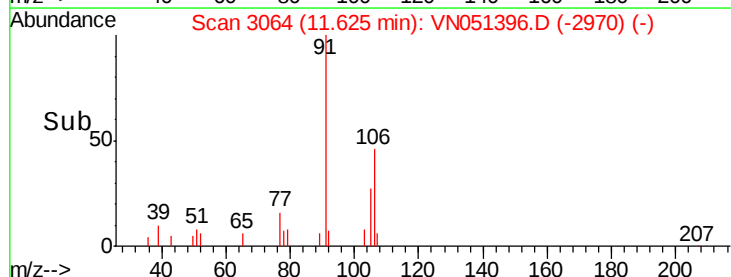
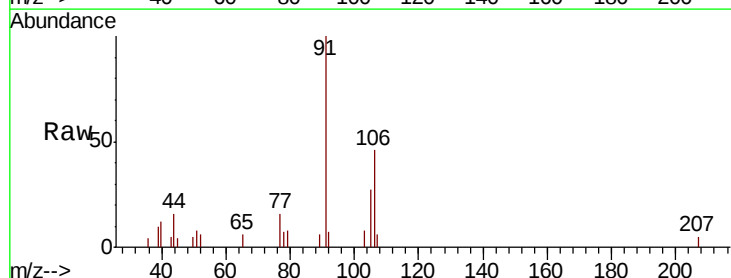
Instrument :
MSVOA_N
ClientSampled :
I.BLK

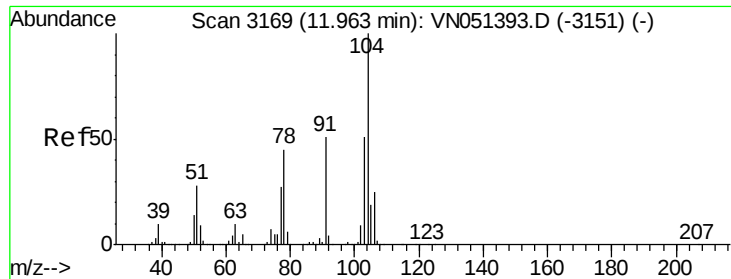
Tgt Ion:117 Resp: 858749
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 32.5 25.9 38.9



#68
m/p-Xylenes
Concen: 0.226 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

Tgt Ion:106 Resp: 3252
Ion Ratio Lower Upper
106 100
91 222.2 161.3 241.9

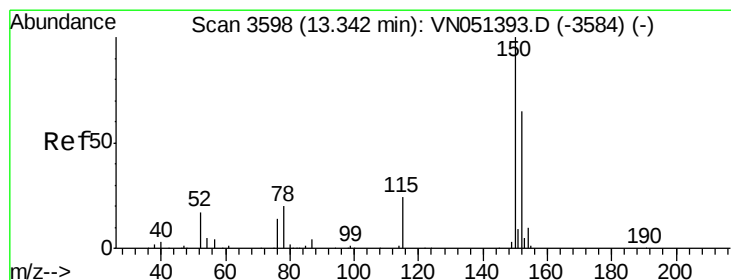
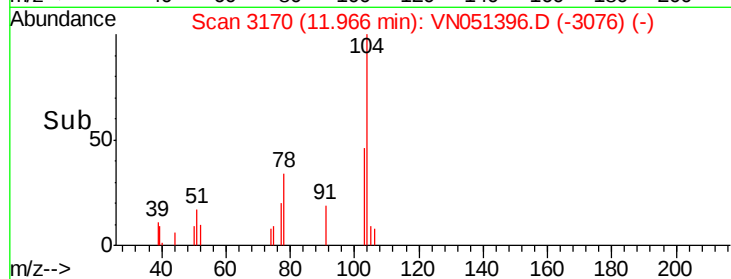
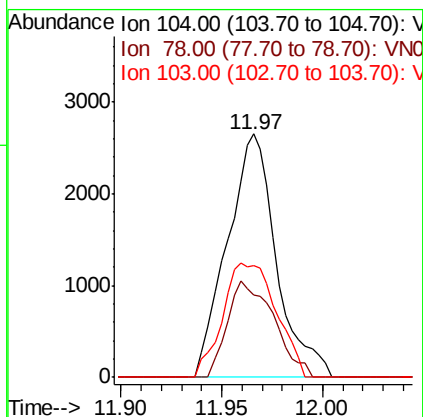
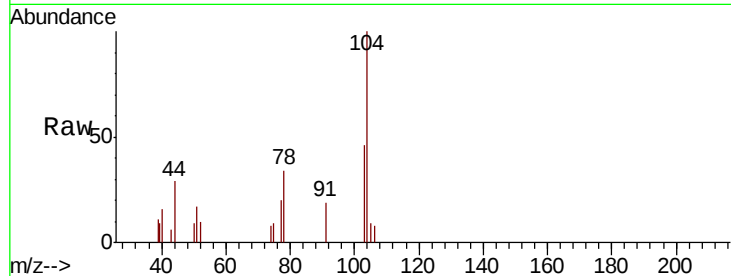




#70
Styrene
Concen: 0.206 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

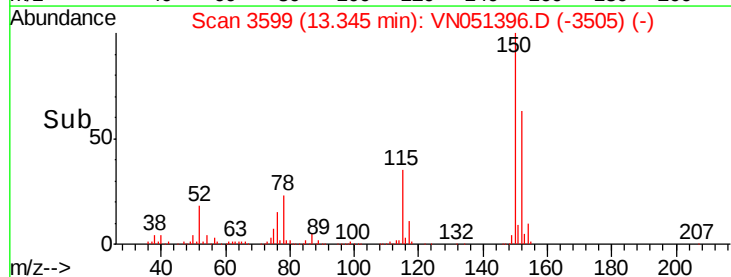
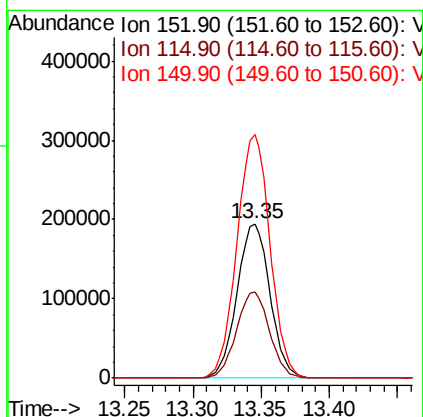
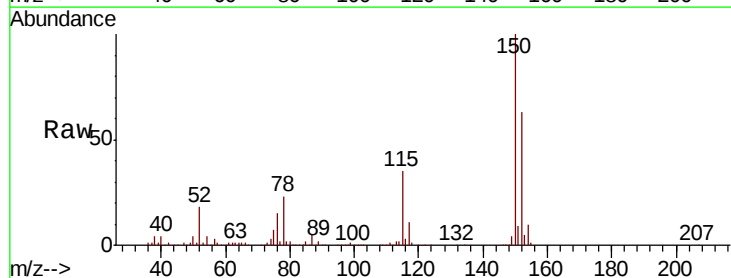
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

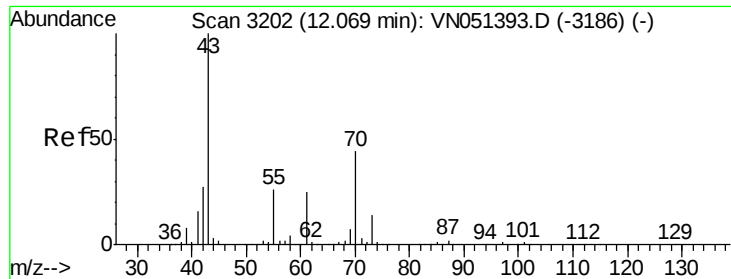
Tgt Ion:104 Resp: 4503
Ion Ratio Lower Upper
104 100
78 37.5 39.9 59.9#
103 51.3 44.6 66.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

Tgt Ion:152 Resp: 326374
Ion Ratio Lower Upper
152 100
115 55.6 28.3 84.9
150 158.1 0.0 353.6





#74

N-ethyl acetate

Concen: 0.362 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

Tgt Ion: 43 Resp: 2504

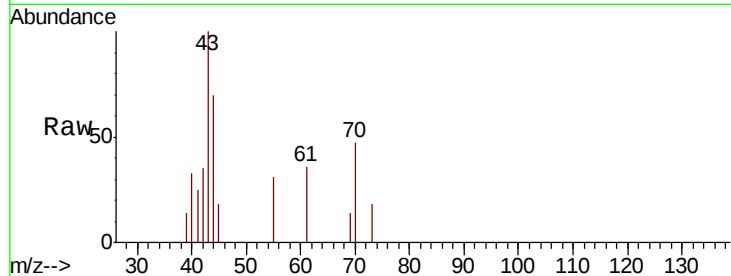
Ion Ratio Lower Upper

43 100

70 32.6 35.0 52.4#

55 20.4 21.4 32.2#

61 19.0 19.8 29.6#

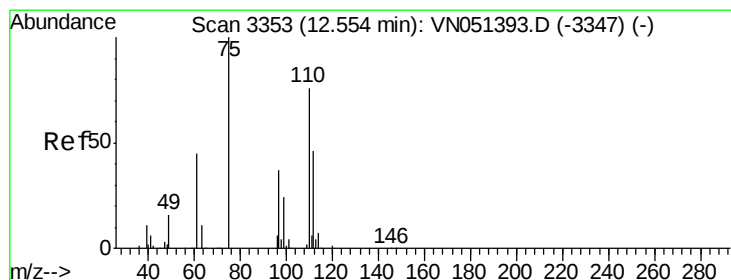
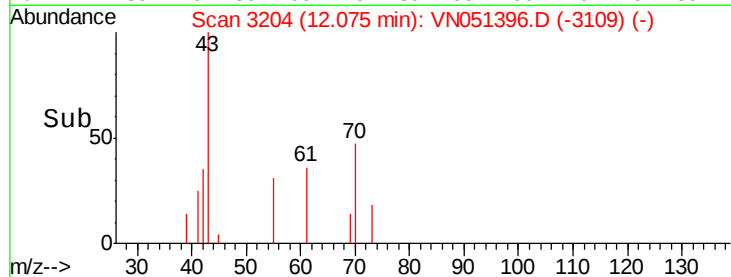
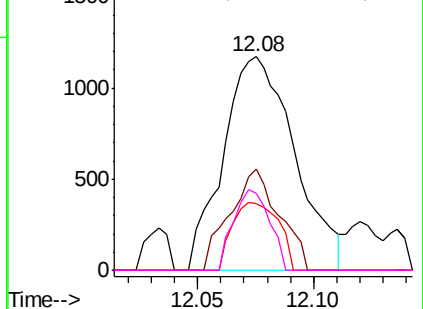


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 36.348 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051396.D

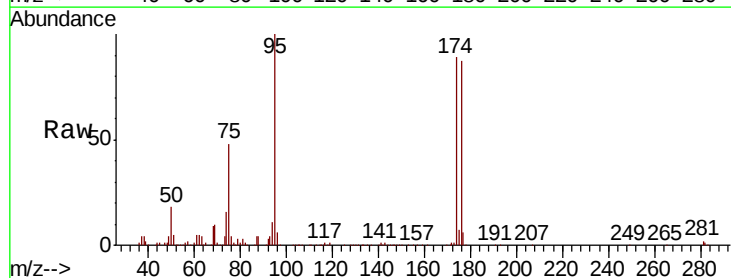
Acq: 22 Sep 2018 14:30

Tgt Ion: 75 Resp: 191364

Ion Ratio Lower Upper

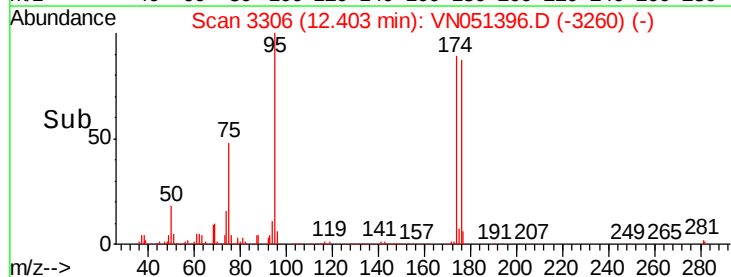
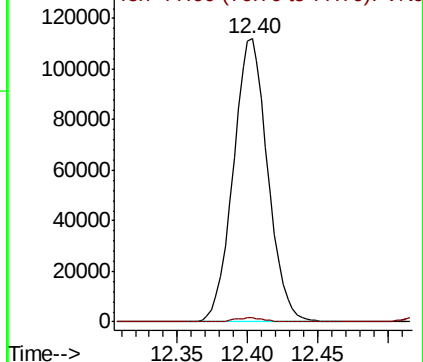
75 100

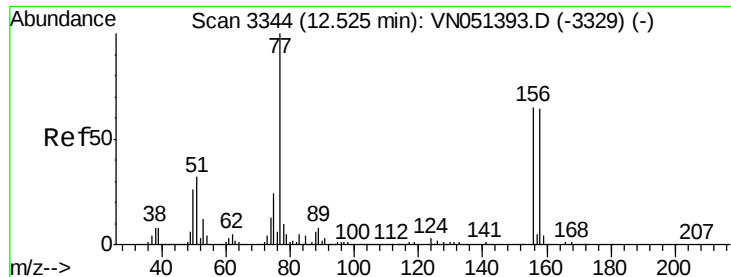
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.402 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

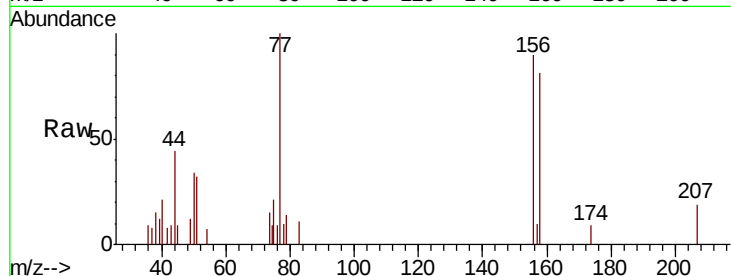
Tgt Ion:156 Resp: 2801

Ion Ratio Lower Upper

156 100

77 178.2 89.5 268.4

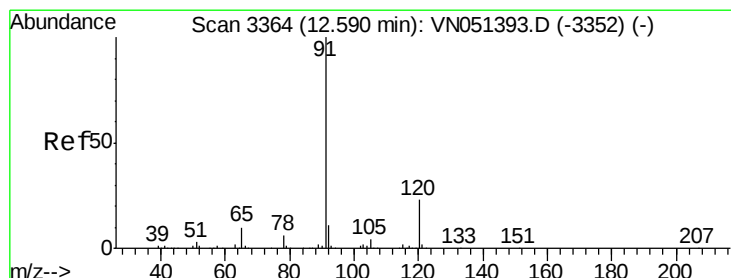
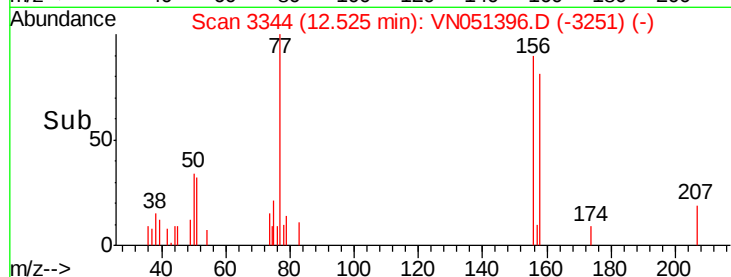
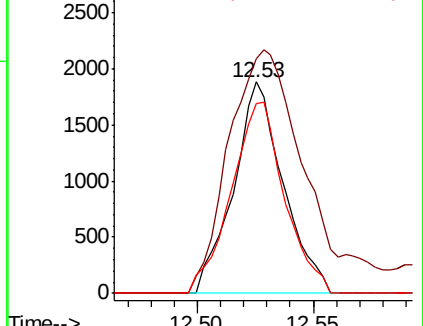
158 97.1 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.237 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051396.D

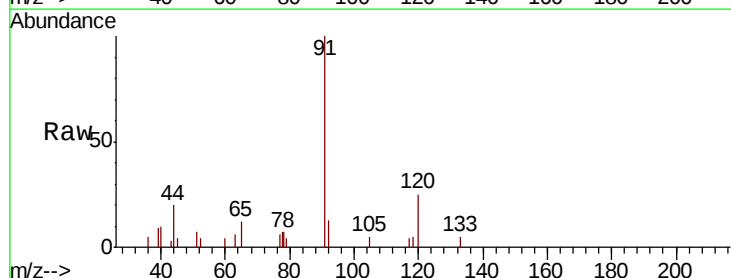
Acq: 22 Sep 2018 14:30

Tgt Ion: 91 Resp: 7345

Ion Ratio Lower Upper

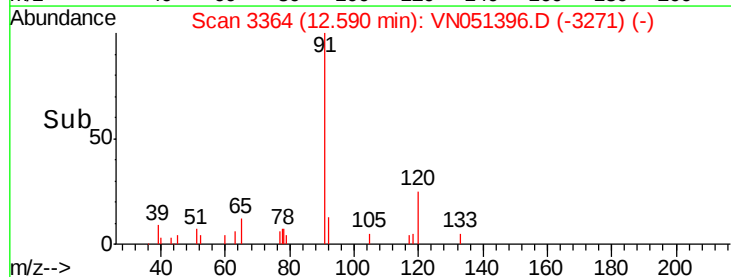
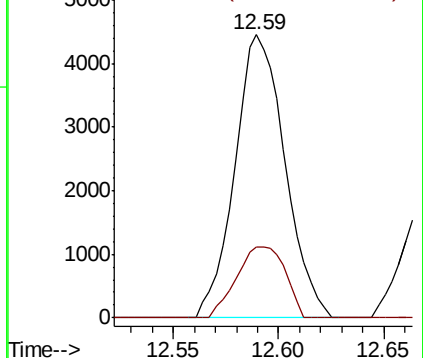
91 100

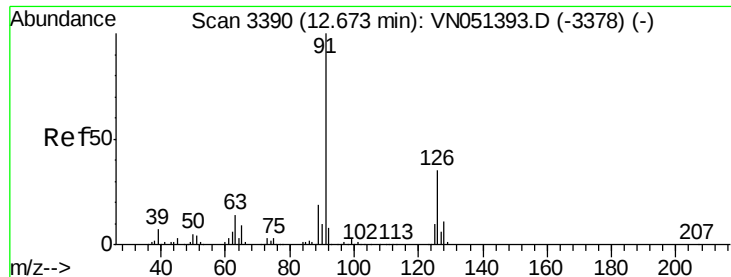
120 24.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.233 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampled :

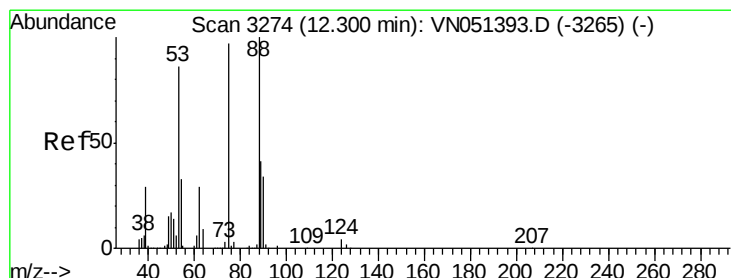
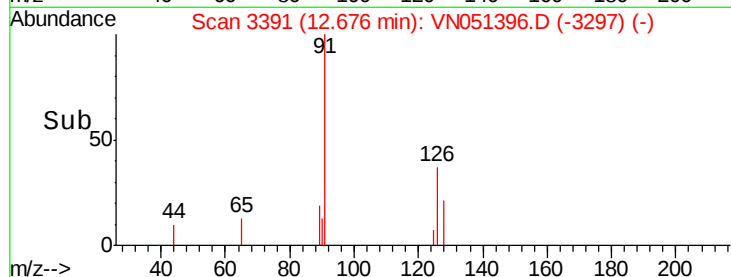
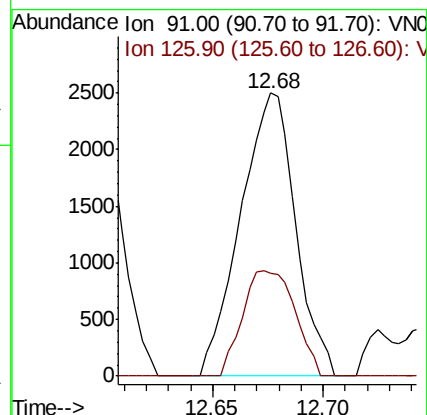
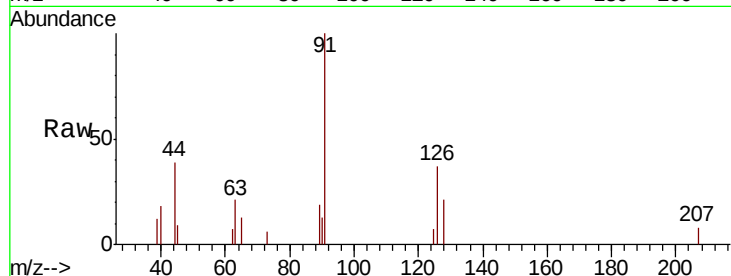
I.BLK

Tgt Ion: 91 Resp: 4320

Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8



#81

trans-1,4-Dichloro-2-butene

Concen: 108.606 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

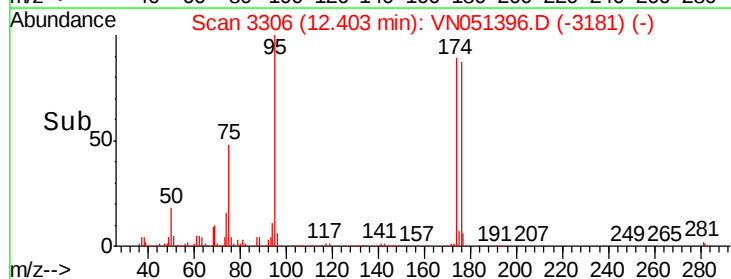
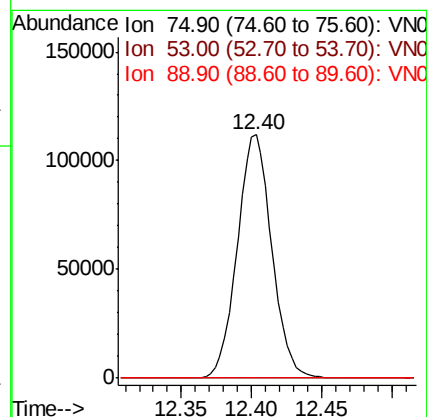
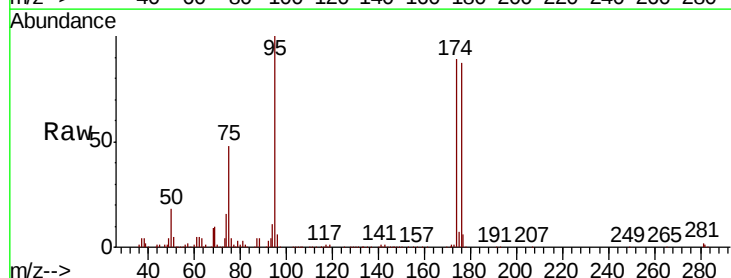
Tgt Ion: 75 Resp: 191364

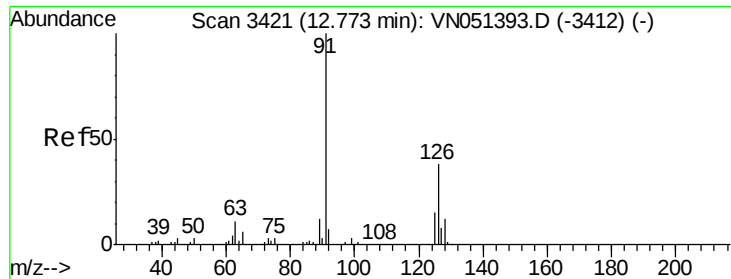
Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.0 36.7 55.1#





#82

4-Chlorotoluene

Concen: 0.395 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampled :

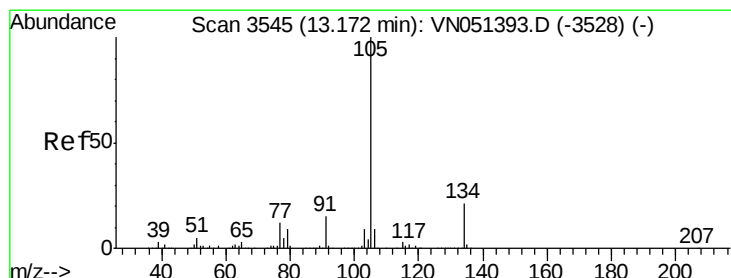
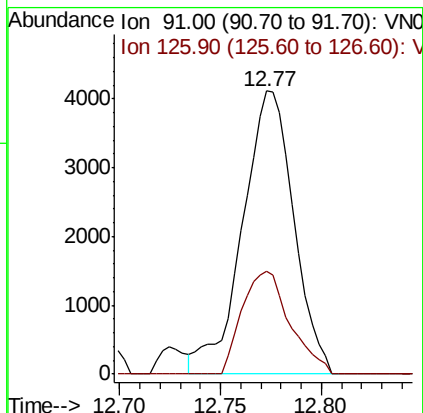
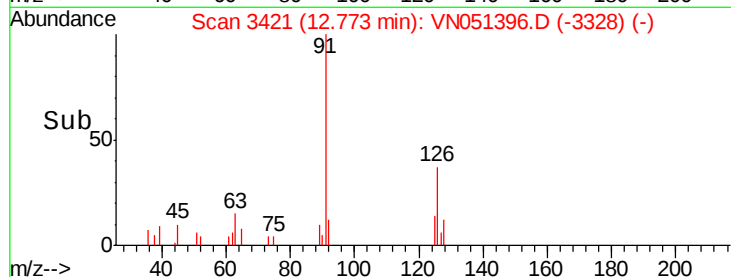
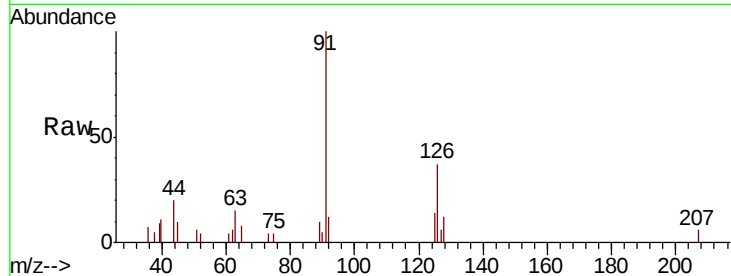
I.BLK

Tgt Ion: 91 Resp: 7316

Ion Ratio Lower Upper

91 100

126 33.9 17.5 52.5



#85

sec-Butylbenzene

Concen: 0.214 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051396.D

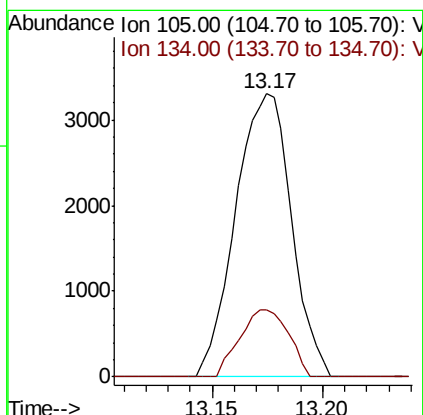
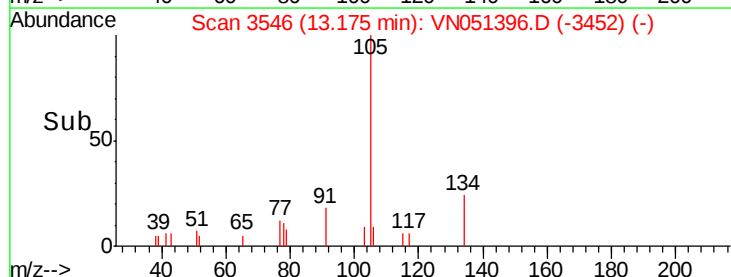
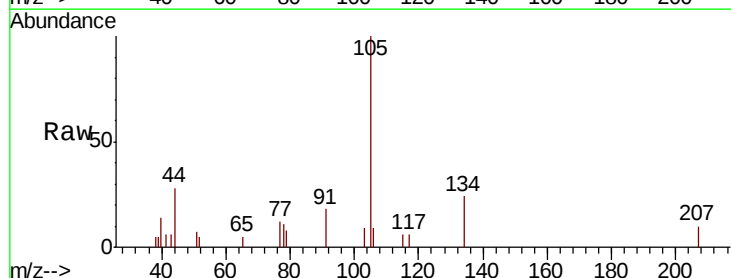
Acq: 22 Sep 2018 14:30

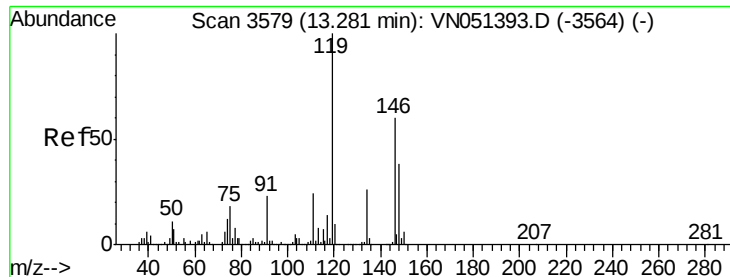
Tgt Ion: 105 Resp: 5791

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1

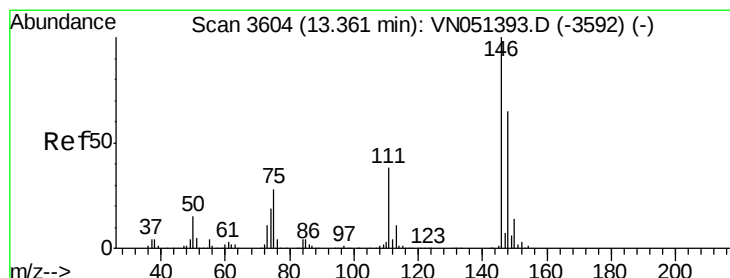
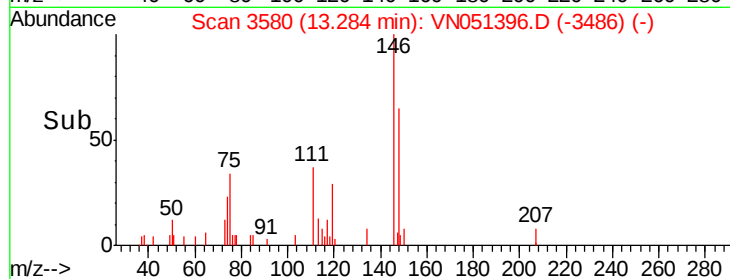
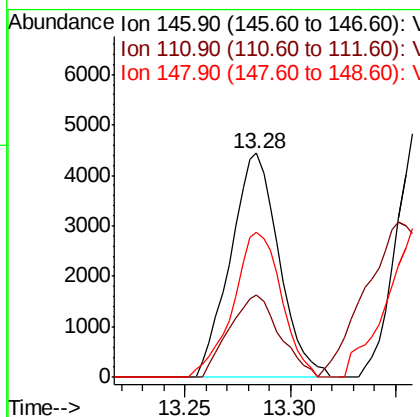
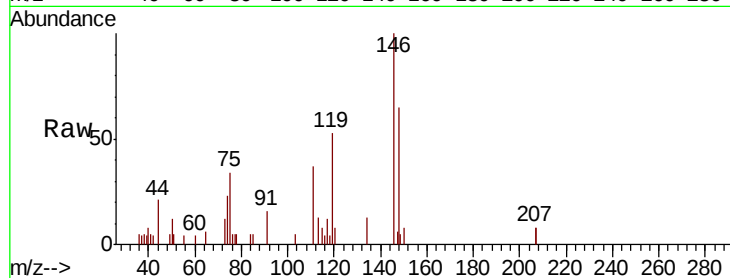




#87
 1,3-Dichlorobenzene
 Concen: 0.588 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051396.D
 Acq: 22 Sep 2018 14:30

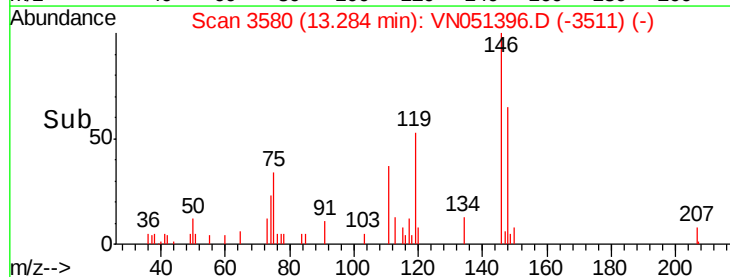
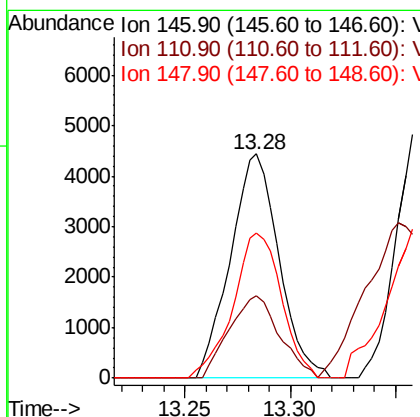
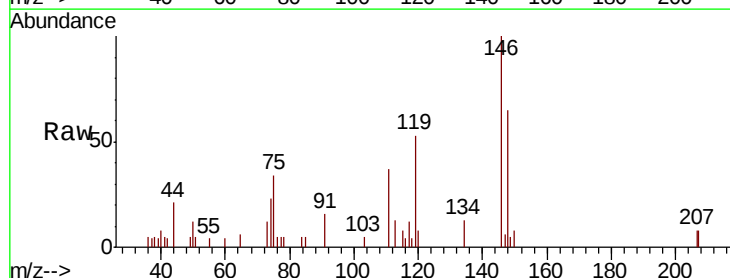
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

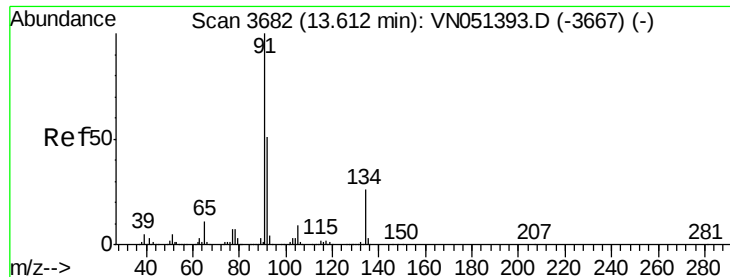
Tgt Ion:146 Resp: 7091
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.7 59.1
 148 64.3 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 0.611 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN051396.D
 Acq: 22 Sep 2018 14:30

Tgt Ion:146 Resp: 7091
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.1
 148 64.3 32.5 97.5

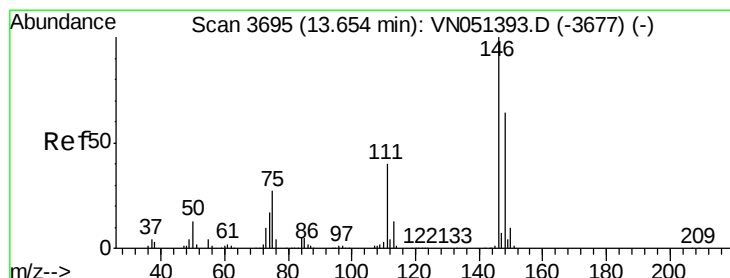
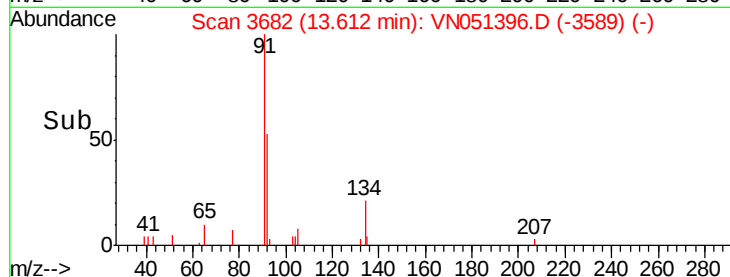
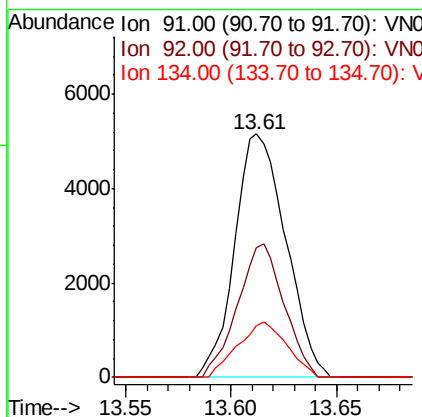
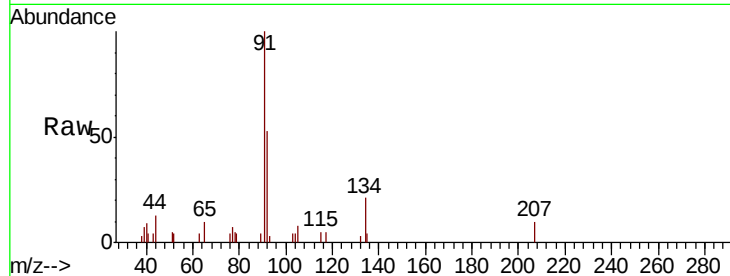




#89
n-Butylbenzene
Concen: 0.450 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

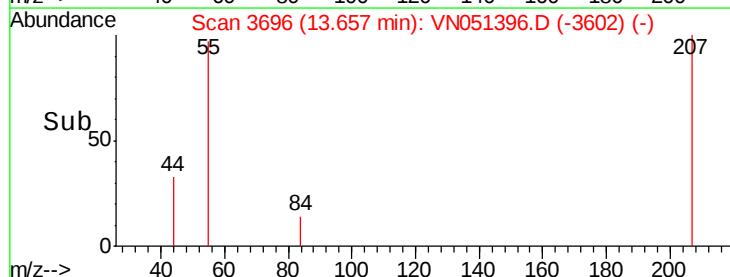
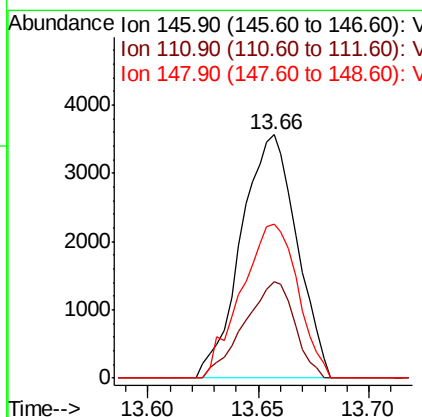
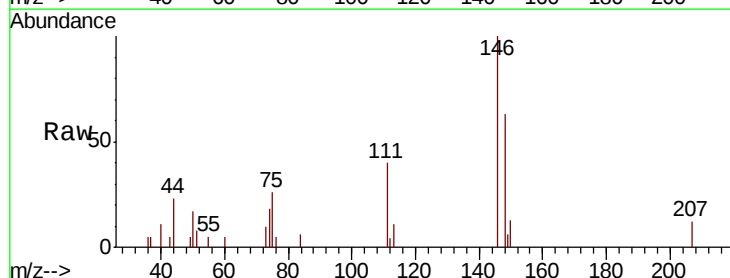
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

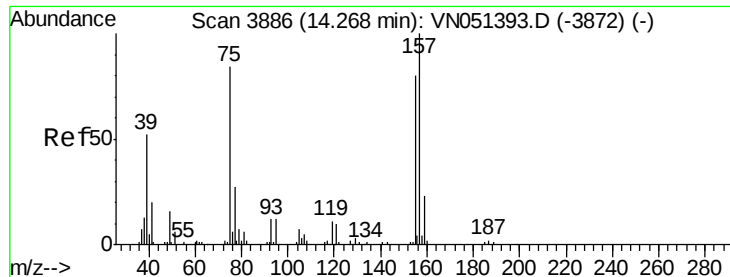
Tgt Ion: 91 Resp: 8665
Ion Ratio Lower Upper
91 100
92 49.7 25.5 76.5
134 21.9 13.3 39.8



#91
1,2-Dichlorobenzene
Concen: 0.531 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VN051396.D
Acq: 22 Sep 2018 14:30

Tgt Ion: 146 Resp: 6220
Ion Ratio Lower Upper
146 100
111 35.9 20.0 60.0
148 64.1 32.1 96.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.717 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.01 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampled :

I.BLK

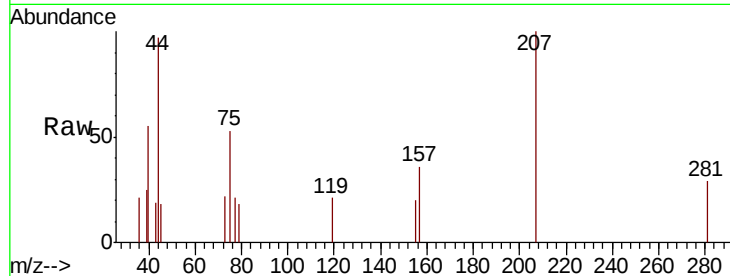
Tgt Ion: 75 Resp: 657

Ion Ratio Lower Upper

75 100

155 68.3 46.9 140.6

157 97.1 58.4 175.1

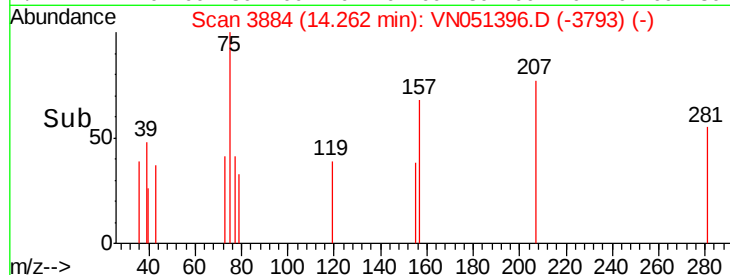


Abundance Ion 74.90 (74.60 to 75.60): VN051396.D (-3793) (-)

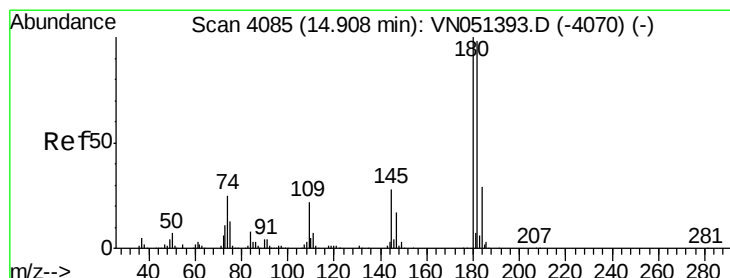
Ion 154.80 (154.50 to 155.50): VN051396.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN051396.D (-3793) (-)

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 7.423 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

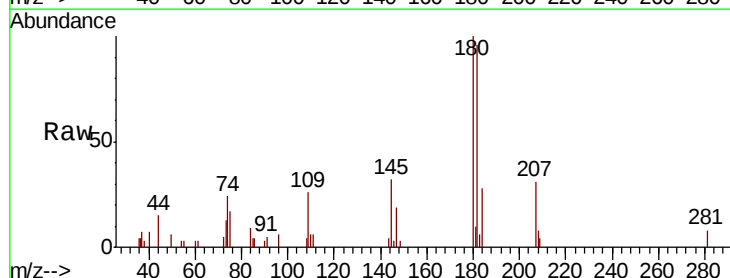
Tgt Ion: 180 Resp: 10330

Ion Ratio Lower Upper

180 100

182 90.3 48.5 145.6

145 28.2 14.1 42.4

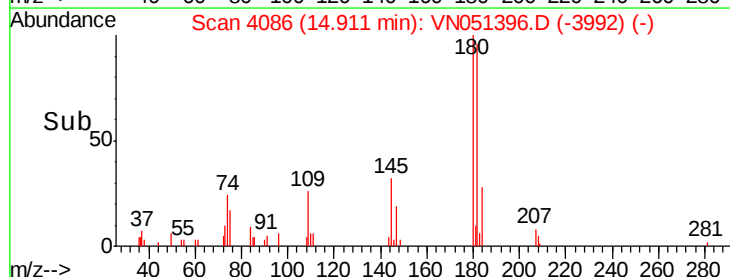


Abundance Ion 179.80 (179.50 to 180.50): VN051396.D (-3992) (-)

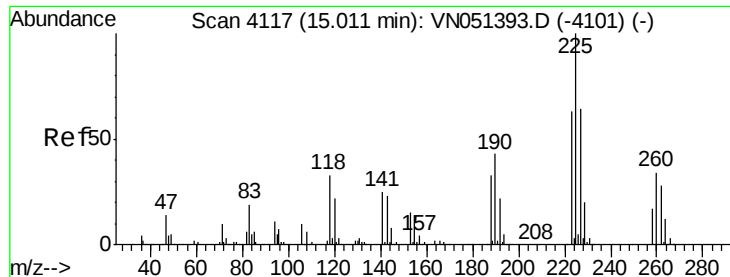
Ion 181.80 (181.50 to 182.50): VN051396.D (-3992) (-)

Ion 144.80 (144.50 to 145.50): VN051396.D (-3992) (-)

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: 2.110 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

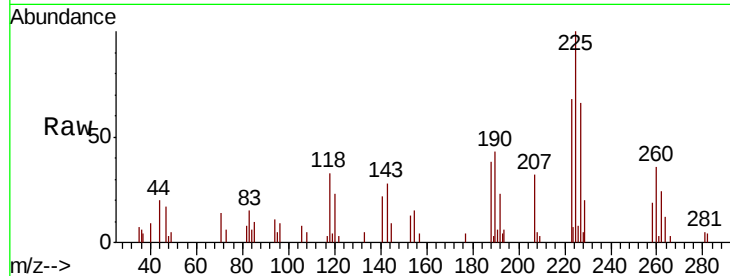
Tgt Ion:225 Resp: 9344

Ion Ratio Lower Upper

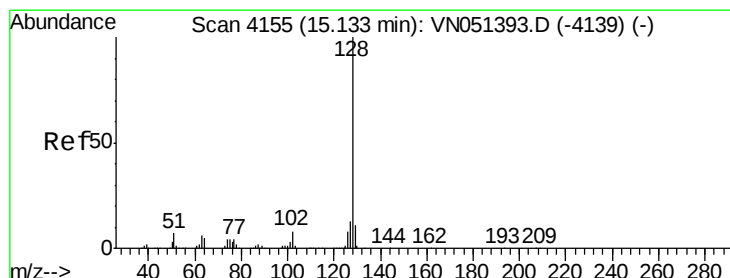
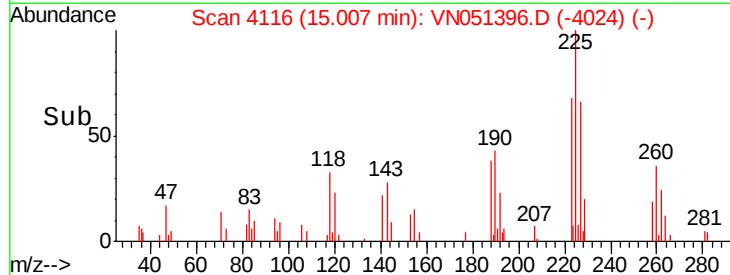
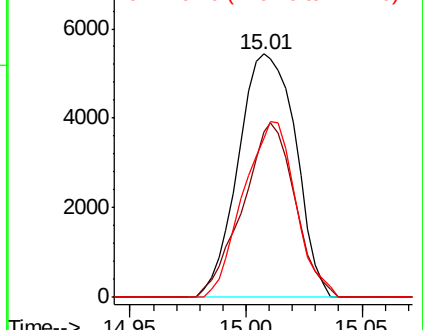
225 100

223 65.4 31.9 95.9

227 65.7 32.5 97.5



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: 9.589 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051396.D

Acq: 22 Sep 2018 14:30

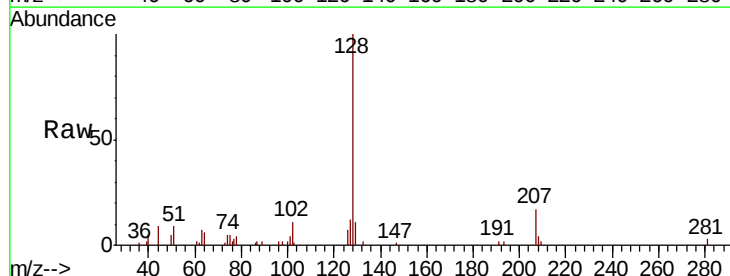
Tgt Ion:128 Resp: 22346

Ion Ratio Lower Upper

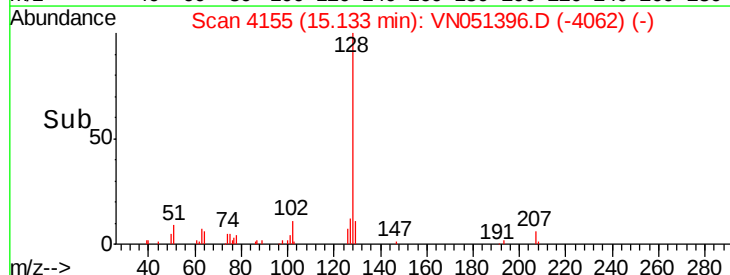
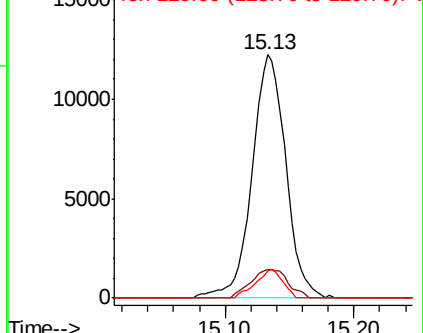
128 100

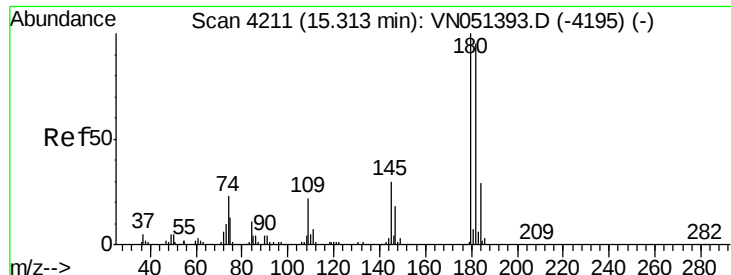
127 13.0 10.5 15.7

129 9.5 8.6 12.8



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: 2.148 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN051396.D
 Acq: 22 Sep 2018 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tgt Ion:	180	Resp:	12063
Ion Ratio	Lower	Upper	
180	100		
182	97.6	47.2	141.6
145	30.7	14.6	43.8

