

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051447.D
 Acq On : 24 Sep 2018 9:02
 Operator : MD\SY
 Sample : VN0924WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBL01

Quant Time: Sep 25 01:53:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	637001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	985914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	805080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286270	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	441077	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	
35) Dibromofluoromethane	7.59	113	395832	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	10.09	98	1377523	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
62) 4-Bromofluorobenzene	12.40	95	355235	36.99	ug/l	0.00
Spiked Amount			Recovery	=	73.98%	

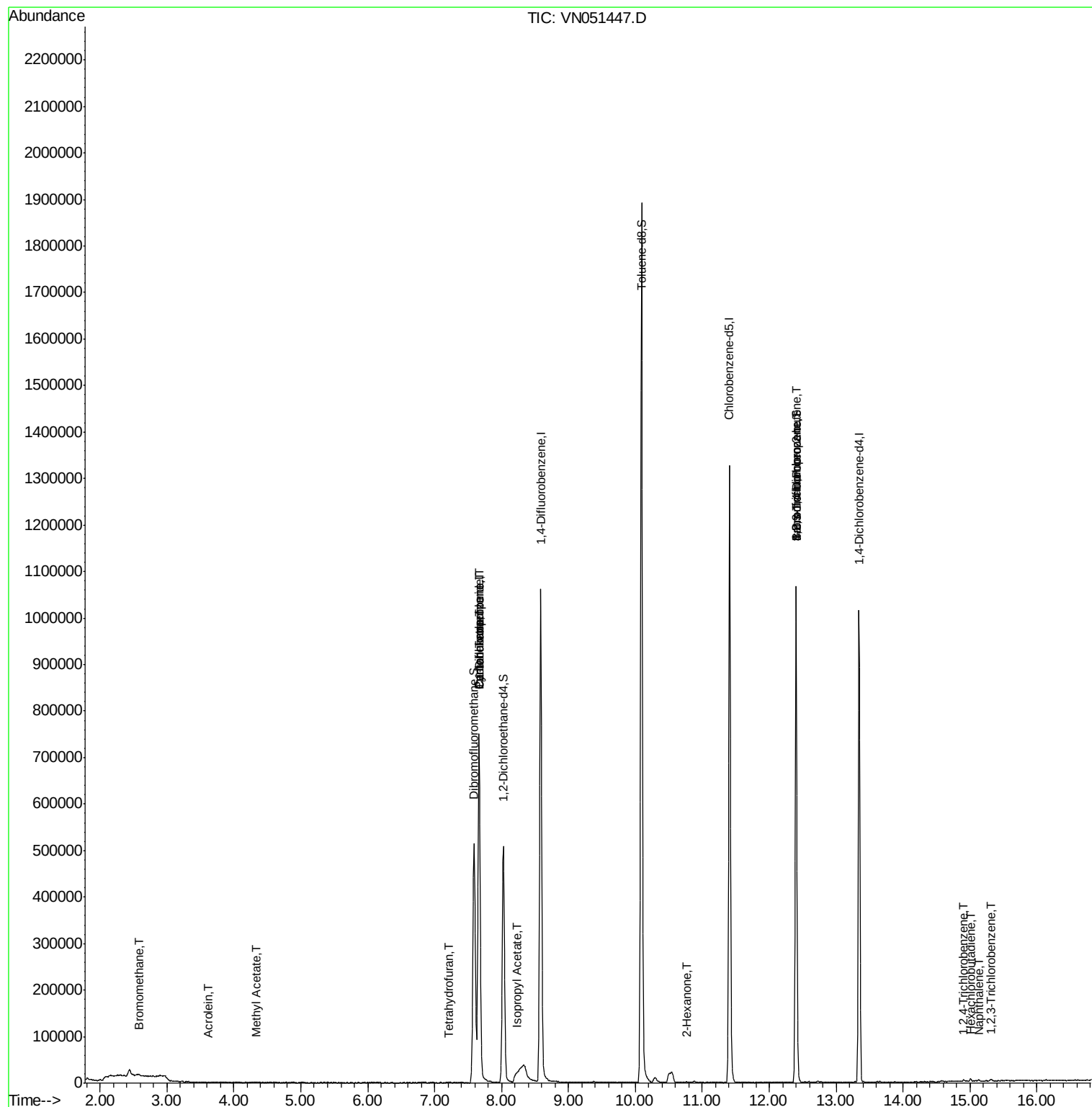
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1656	0.323	ug/l #	70
13) Acrolein	3.61	56	93	0.208	ug/l #	13
16) Acetone	3.82	43	208	Below Cal	#	43
18) Methyl Acetate	4.34	43	3231	0.532	ug/l #	85
29) Tetrahydrofuran	7.21	42	575	0.332	ug/l #	34
31) Cyclohexane	7.66	56	11975	0.953	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	45517	3.987	ug/l #	49
38) Carbon Tetrachloride	7.66	117	57843	4.844	ug/l #	16
43) Isopropyl Acetate	8.22	43	13220	1.114	ug/l #	60
59) 2-Hexanone	10.76	43	1665	0.393	ug/l #	45
71) Bromoform	12.40	173	1537	0.288	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	173945	36.602	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	173945	112.550	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	1098	6.156	ug/l #	69
94) Hexachlorobutadiene	15.01	225	1238	0.319	ug/l	89
95) Naphthalene	15.13	128	2340	8.229	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.32	180	1556	0.316	ug/l	93

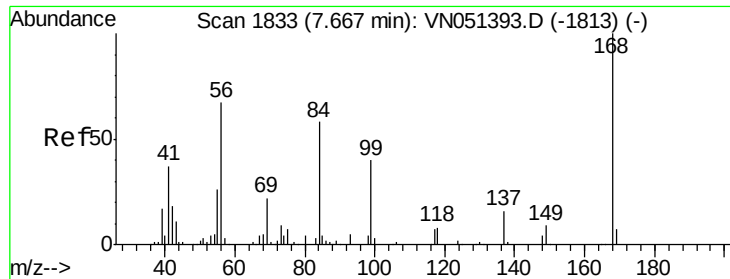
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

Instrument :

MSVOA_N

ClientSampled :

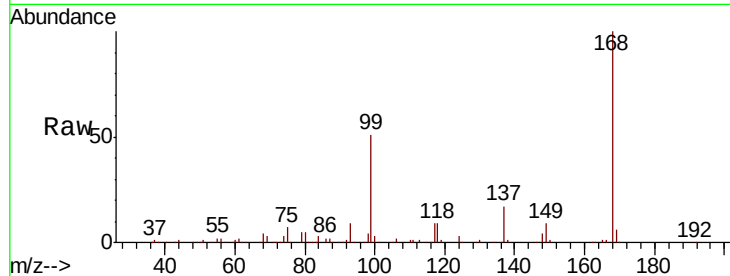
VN0924WBL01

Tot Ion:168 Resp: 637001

Ion Ratio Lower Upper

168 100

99 51.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

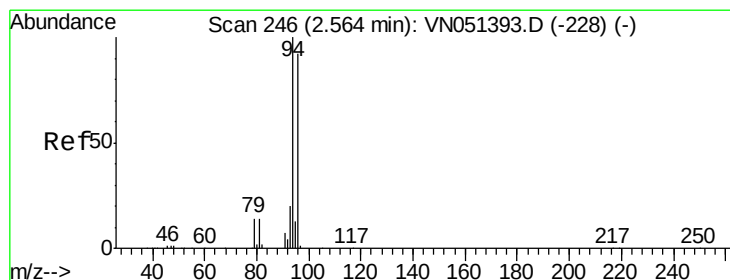
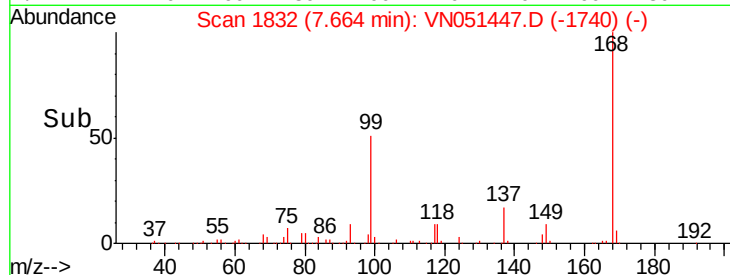
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: 0.323 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051447.D

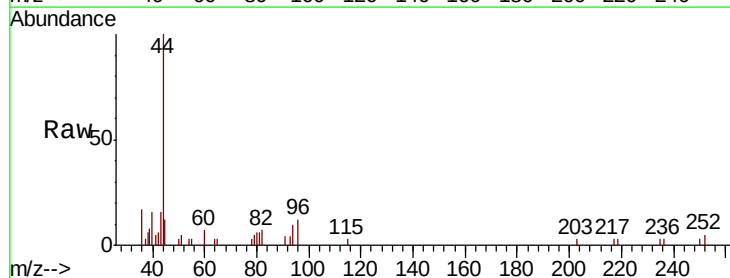
Acq: 24 Sep 2018 9:02

Tgt Ion: 94 Resp: 1656

Ion Ratio Lower Upper

94 100

96 120.8 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

800

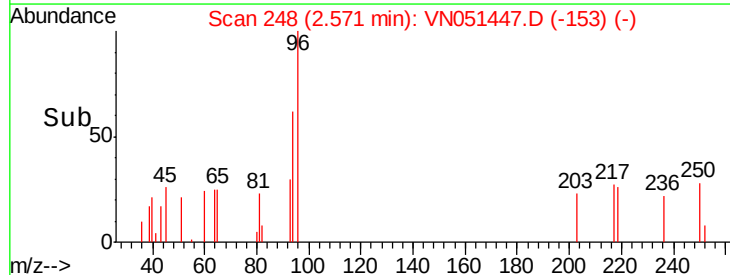
600

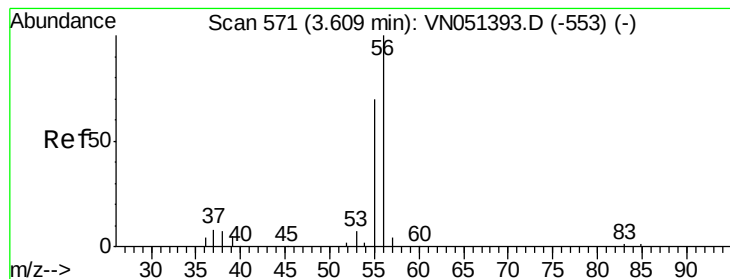
400

200

0

Time--> 2.55 2.60





#13

Acrolein

Concen: 0.208 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

Instrument :

MSVOA_N

ClientSampleId :

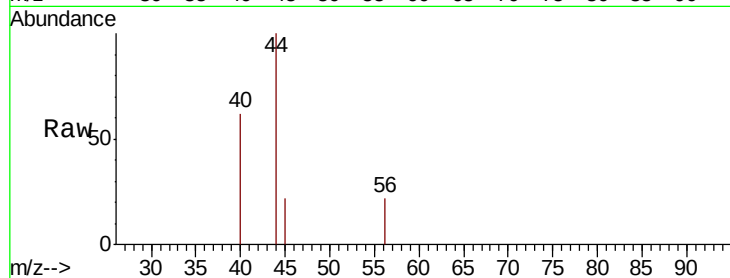
VN0924WBL01

Tot Ion: 56 Resp: 93

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

150

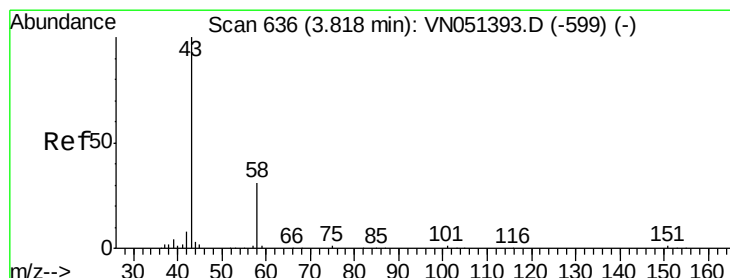
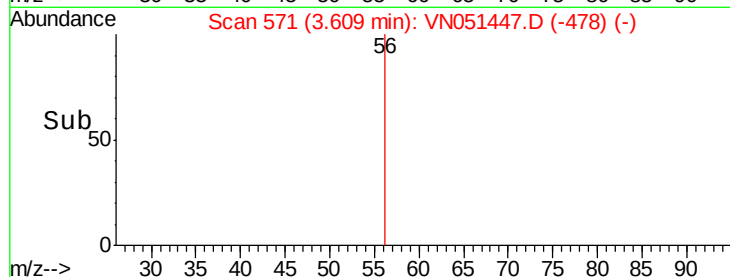
100

50

0

3.60 3.61 3.62

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051447.D

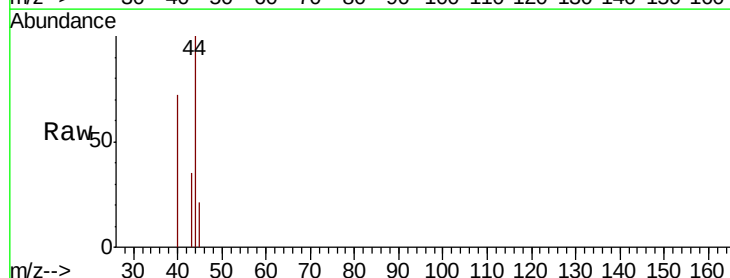
Acq: 24 Sep 2018 9:02

Tgt Ion: 43 Resp: 208

Ion Ratio Lower Upper

43 100

58 0.0 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

400

300

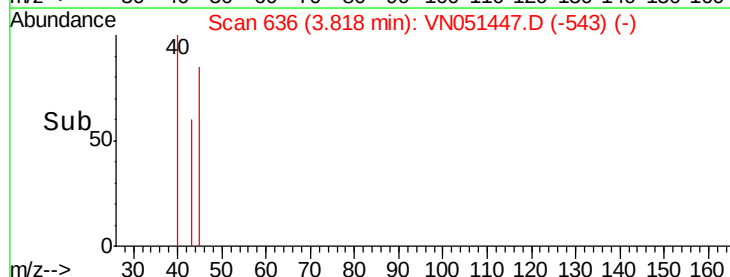
200

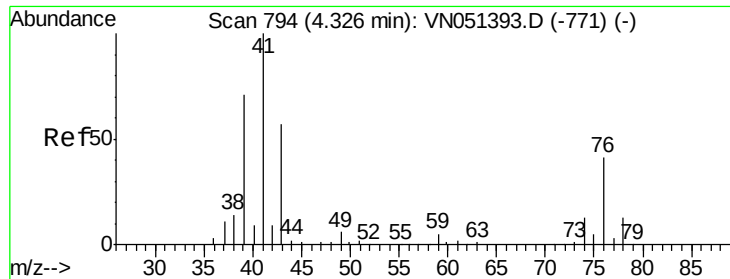
100

0

3.81 3.82 3.83

Time-->

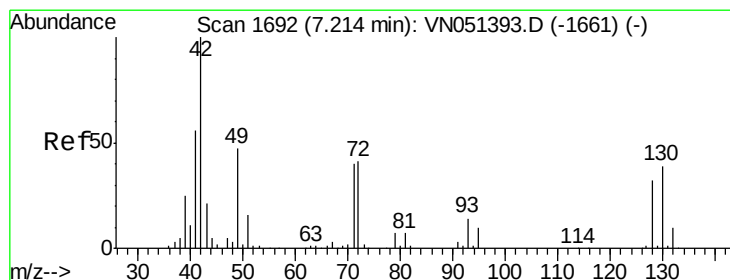
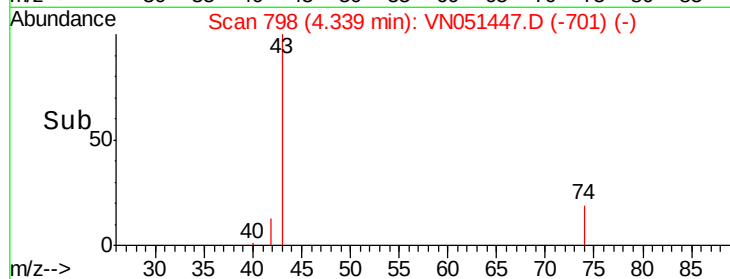
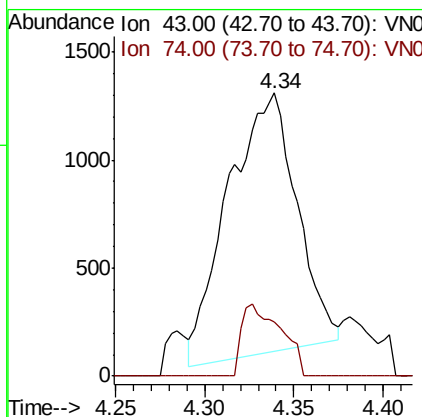
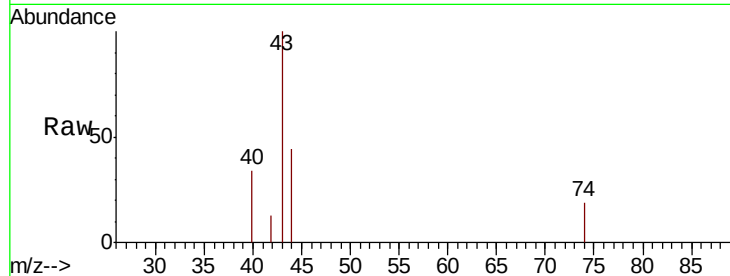




#18
Methvl Acetate
Concen: 0.532 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051447.D
Acq: 24 Sep 2018 9:02

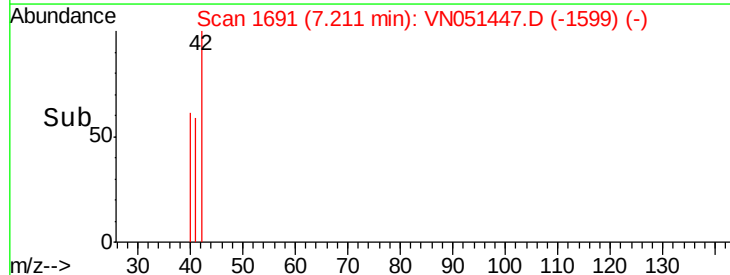
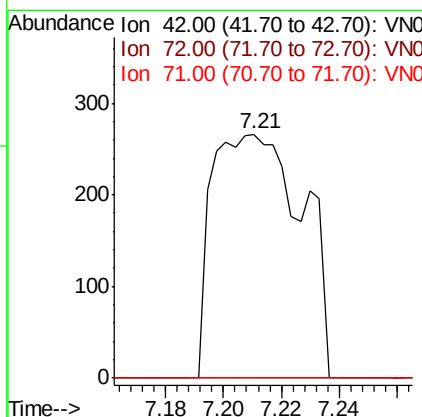
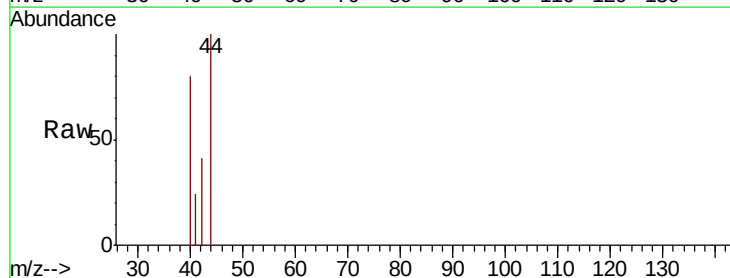
Instrument :
MSVOA_N
ClientSampled :
VN0924WBL01

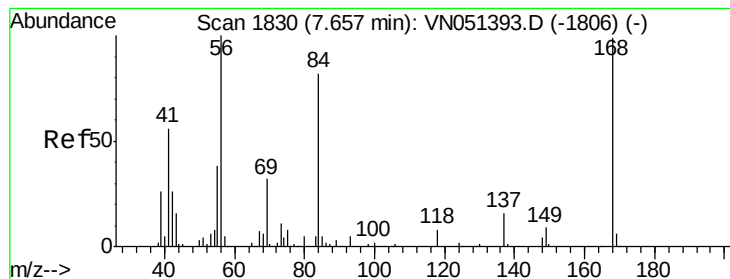
Tot Ion: 43 Resp: 3231
Ion Ratio Lower Upper
43 100
74 16.0 18.8 28.2#



#29
Tetrahydrofuran
Concen: 0.332 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051447.D
Acq: 24 Sep 2018 9:02

Tgt Ion: 42 Resp: 575
Ion Ratio Lower Upper
42 100
72 0.0 34.3 51.5#
71 0.0 32.2 48.4#





#31

Cyclohexane

Concen: 0.953 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBL01

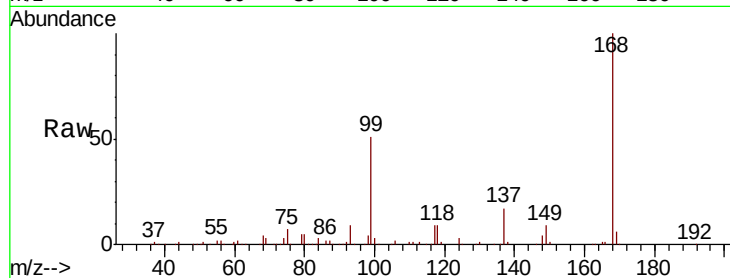
Tot Ion: 56 Resp: 11975

Ion Ratio Lower Upper

56 100

69 188.3 25.8 38.6#

84 145.5 66.0 99.0#

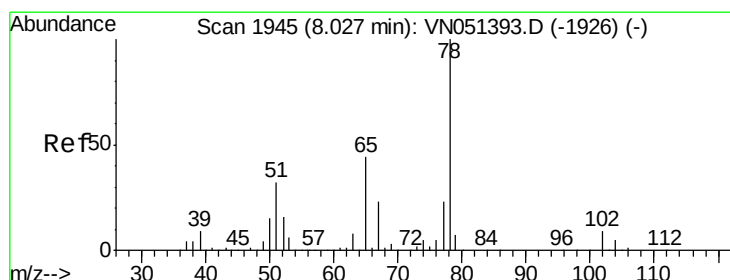
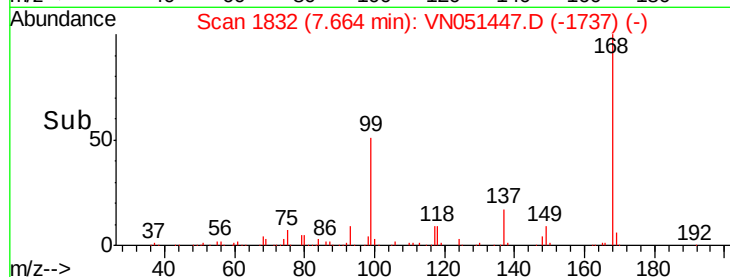
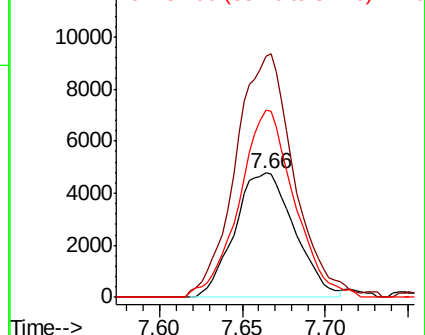


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 55.276 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051447.D

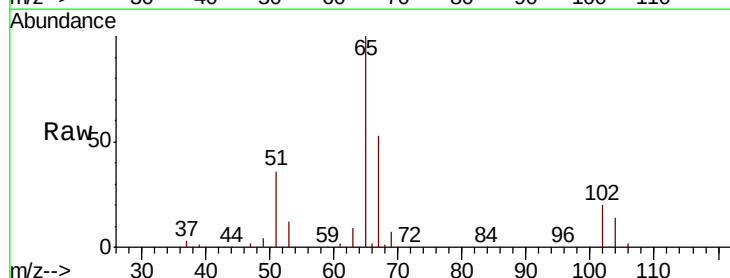
Acq: 24 Sep 2018 9:02

Tgt Ion: 65 Resp: 441077

Ion Ratio Lower Upper

65 100

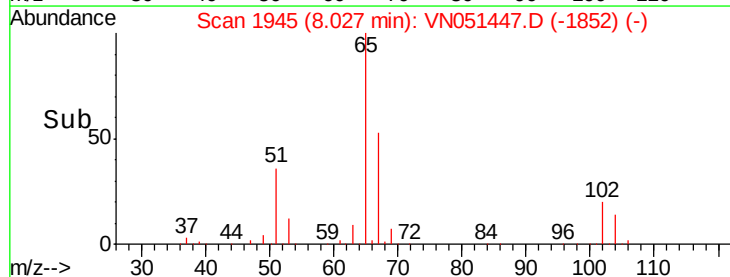
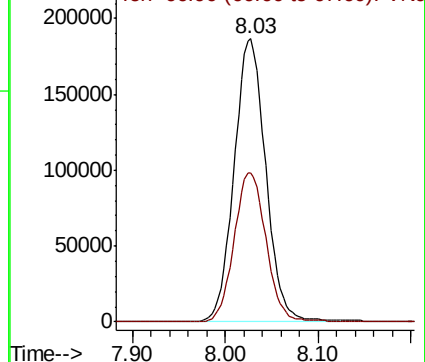
67 53.2 0.0 107.8

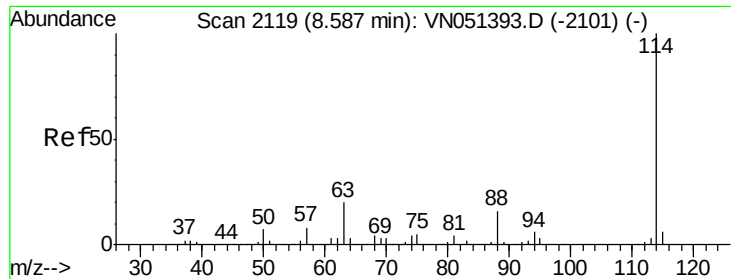


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

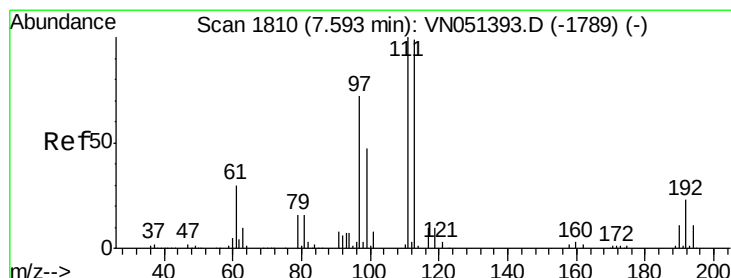
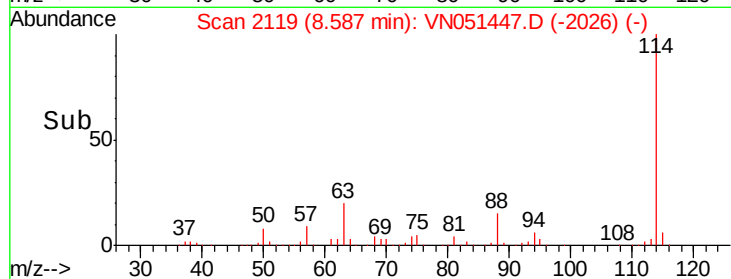
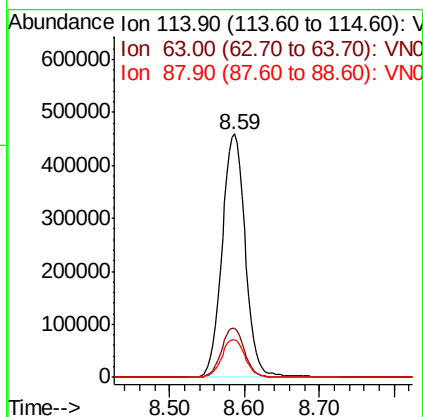
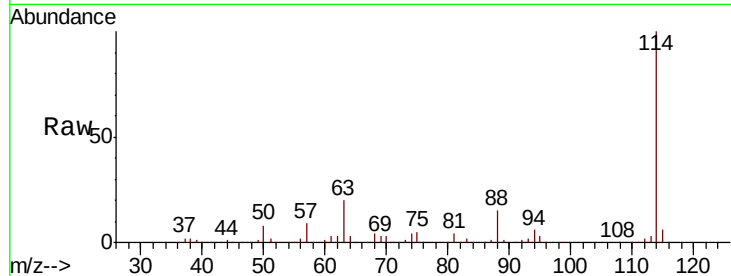




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051447.D
 Acq: 24 Sep 2018 9:02

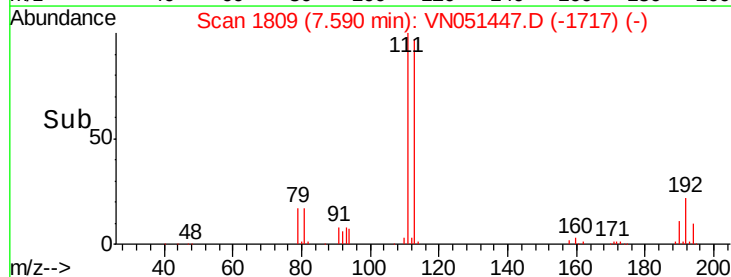
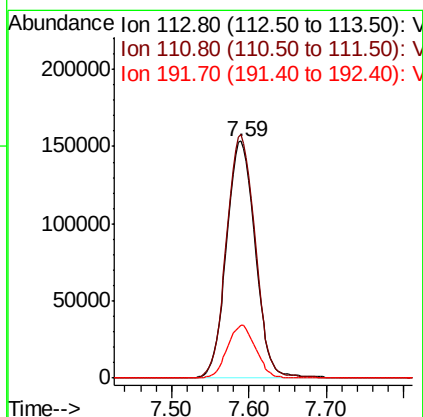
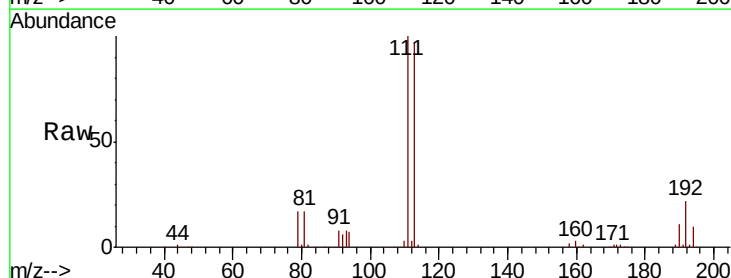
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBL01

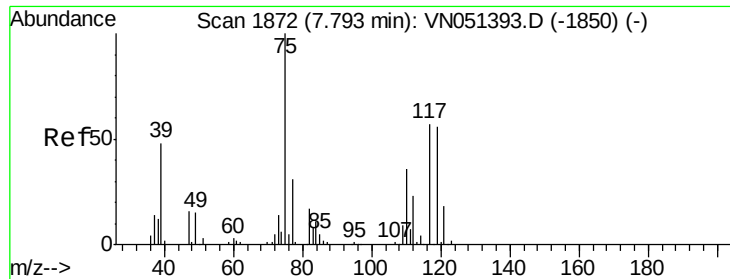
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.2
88	15.4	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 50.208 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051447.D
 Acq: 24 Sep 2018 9:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	123.8
192	22.1	18.0	27.0





#36

1,1-Dichloropropene

Concen: 3.987 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

Instrument :

MSVOA_N

ClientSampled :

VN0924WBL01

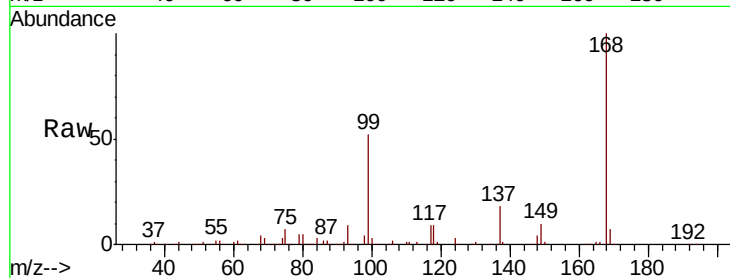
Tot Ion: 75 Resp: 45517

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

77 0.1 25.6 38.4#



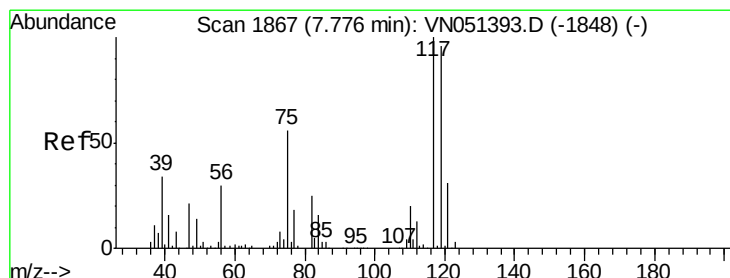
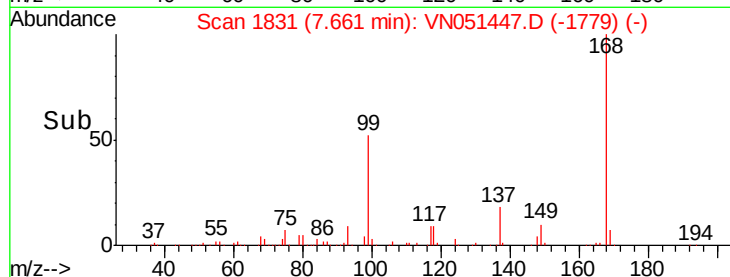
Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN051393.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN051393.D (-1850) (-)

7.66

Time-->



#38

Carbon Tetrachloride

Concen: 4.844 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

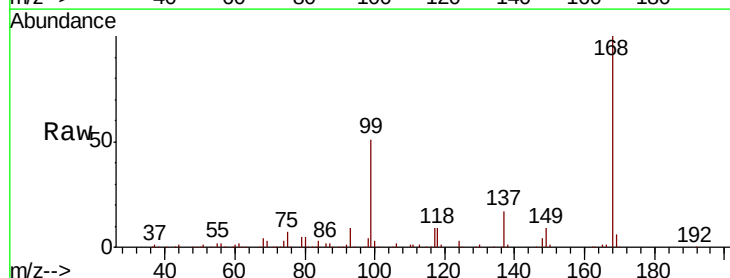
Tgt Ion: 117 Resp: 57843

Ion Ratio Lower Upper

117 100

119 5.5 76.9 115.3#

121 0.0 24.6 37.0#



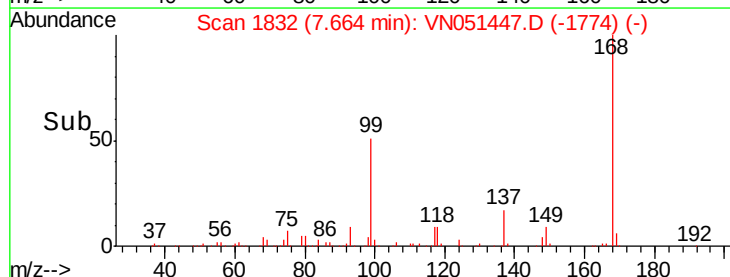
Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-1848) (-)

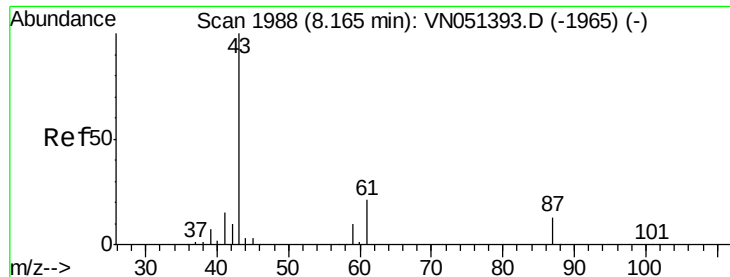
Ion 118.80 (118.50 to 119.50): VN051393.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051393.D (-1848) (-)

7.66

Time-->





#43

Isopropyl Acetate

Concen: 1.114 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

Instrument :

MSVOA_N

ClientSampled :

VN0924WBL01

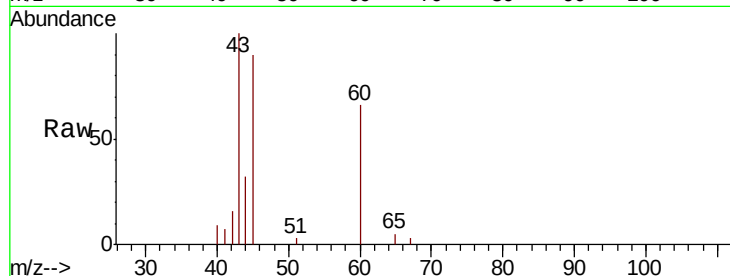
Tot Ion: 43 Resp: 13220

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

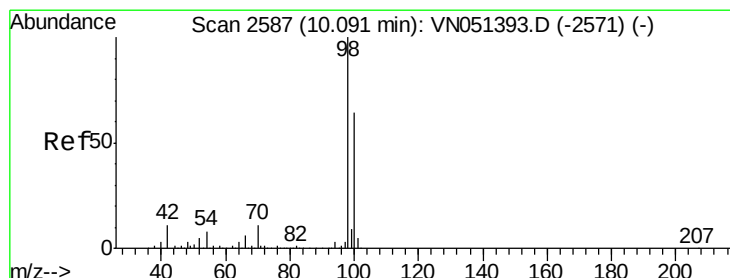
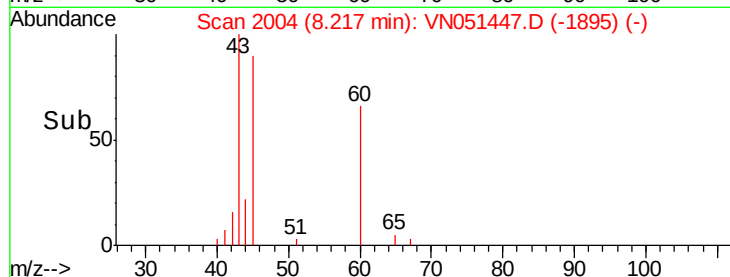
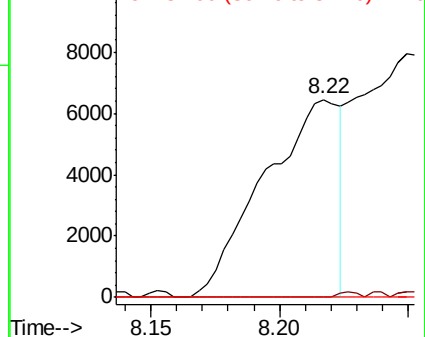
87 0.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 46.400 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051447.D

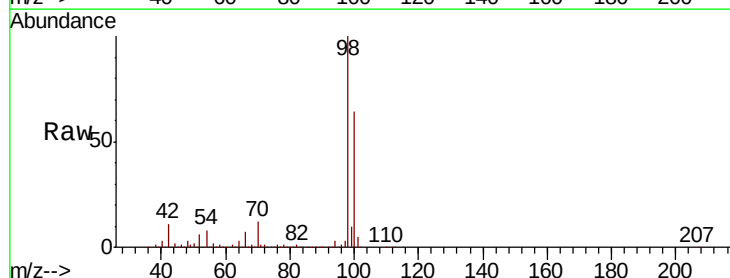
Acq: 24 Sep 2018 9:02

Tgt Ion: 98 Resp: 1377523

Ion Ratio Lower Upper

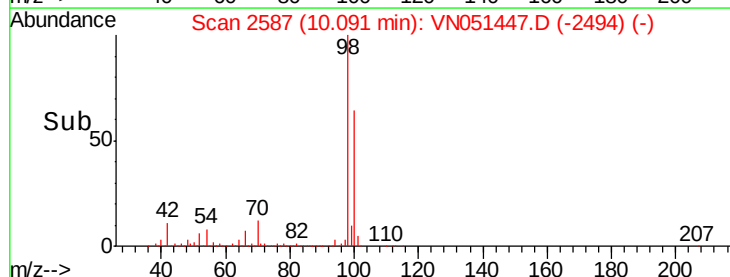
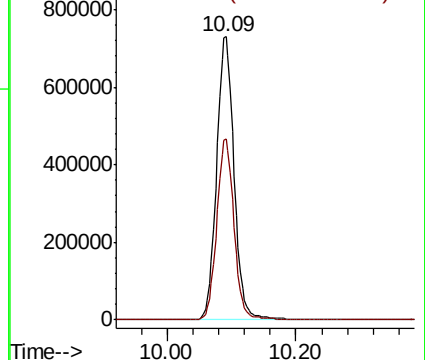
98 100

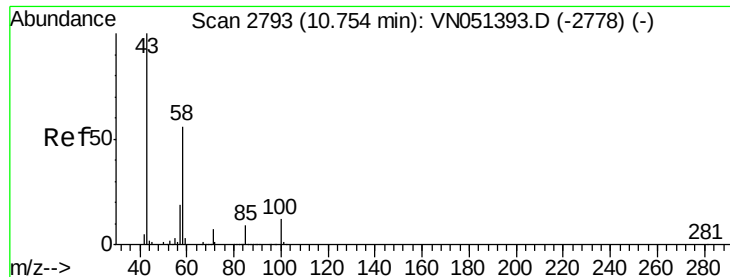
100 63.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

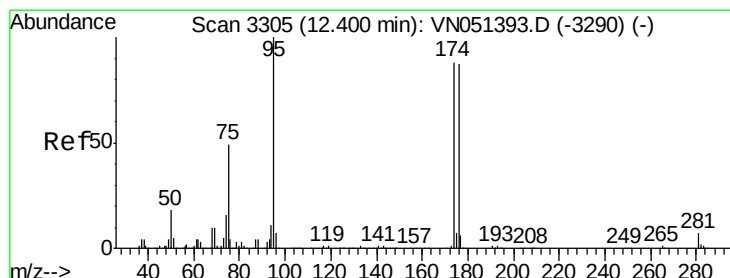
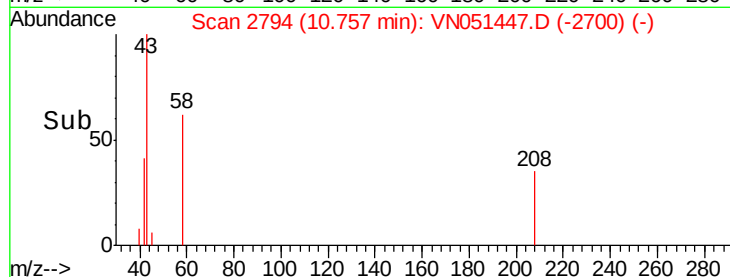
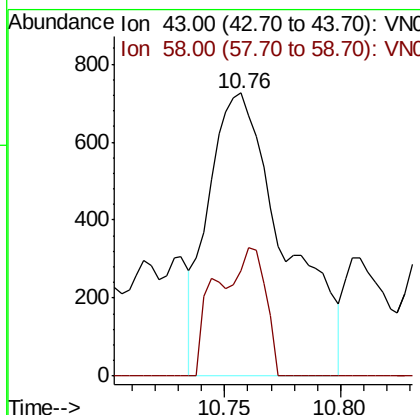
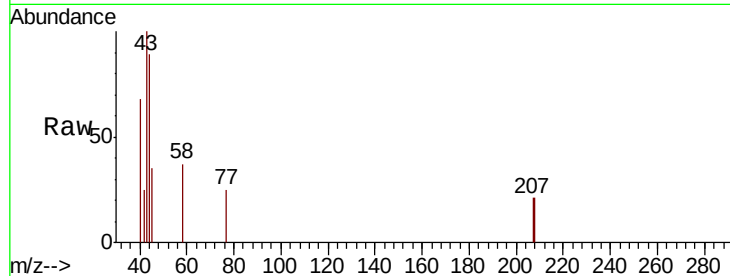




#59
2-Hexanone
Concen: 0.393 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN051447.D
Acq: 24 Sep 2018 9:02

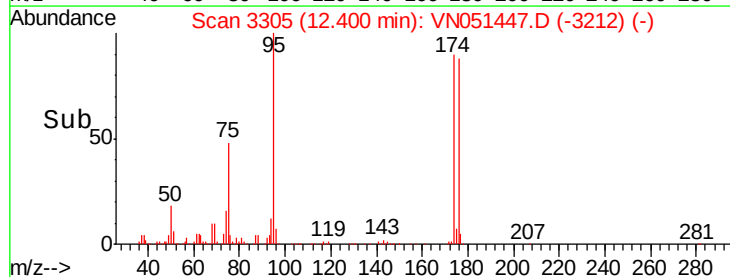
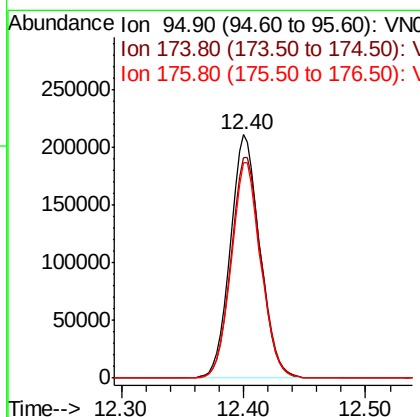
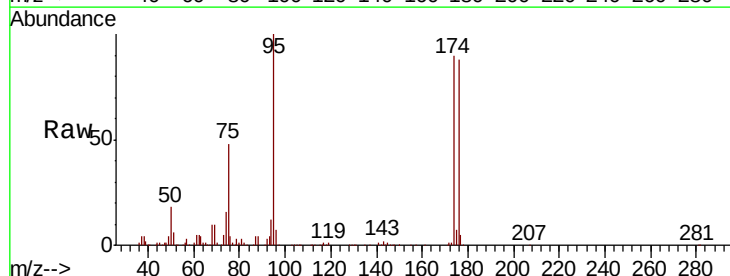
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBL01

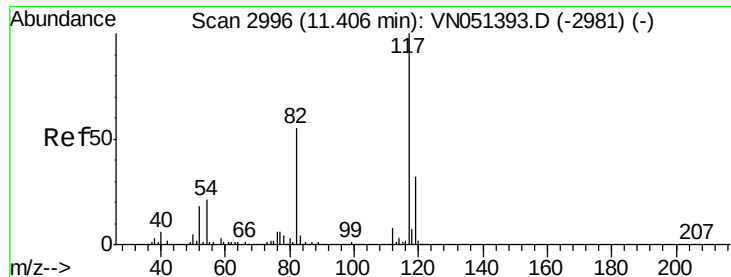
Tot Ion: 43 Resp: 1665
Ion Ratio Lower Upper
43 100
58 15.3 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 36.988 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051447.D
Acq: 24 Sep 2018 9:02

Tgt Ion: 95 Resp: 355235
Ion Ratio Lower Upper
95 100
174 92.8 0.0 181.6
176 88.7 0.0 176.4

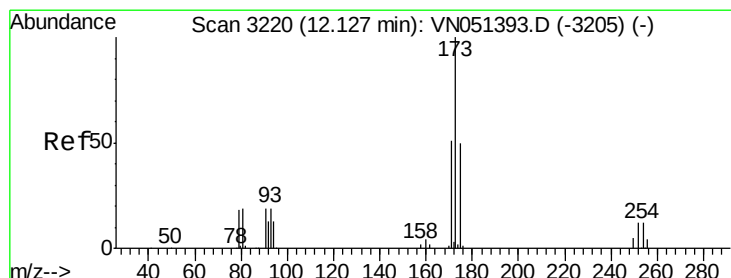
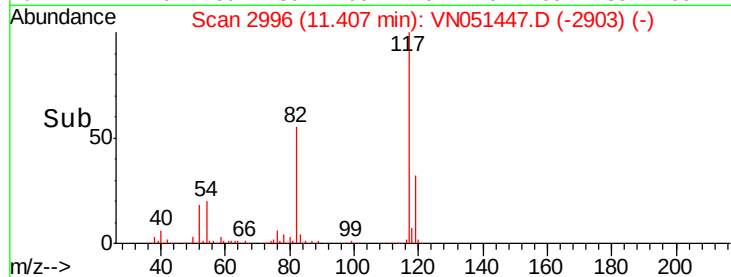
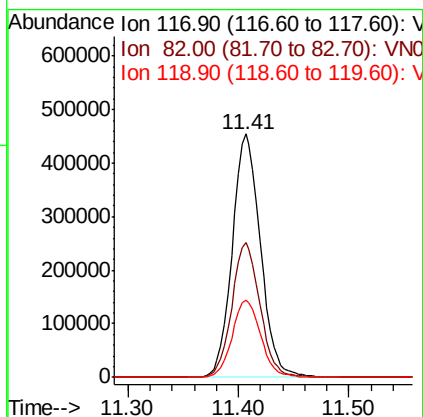
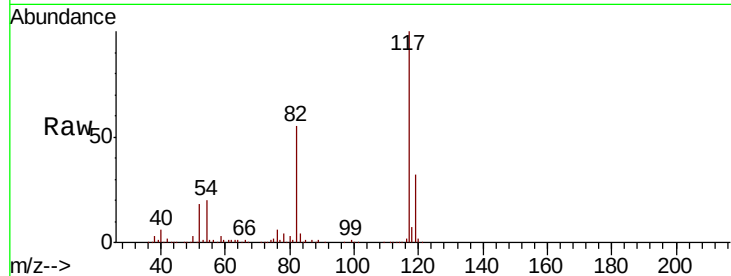




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051447.D
Acq: 24 Sep 2018 9:02

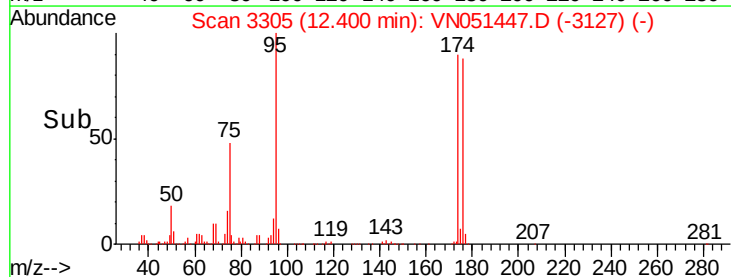
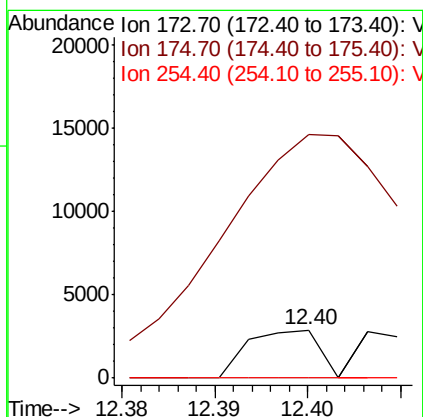
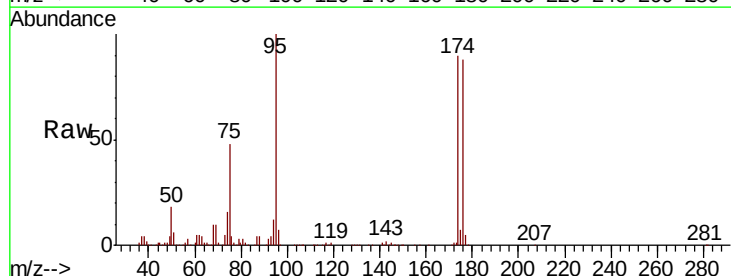
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBL01

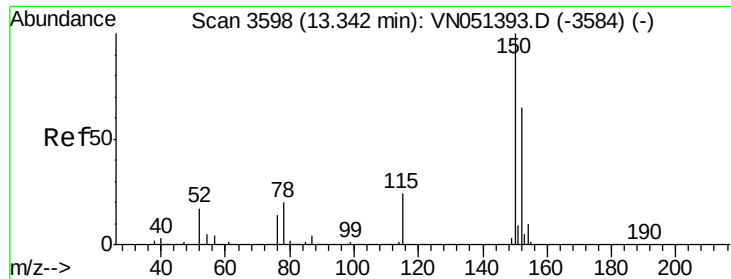
Tot Ion:117 Resp: 805080
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.8 25.9 38.9



#71
Bromoform
Concen: 0.288 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051447.D
Acq: 24 Sep 2018 9:02

Tgt Ion:173 Resp: 1537
Ion Ratio Lower Upper
173 100
175 1339.8 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBL01

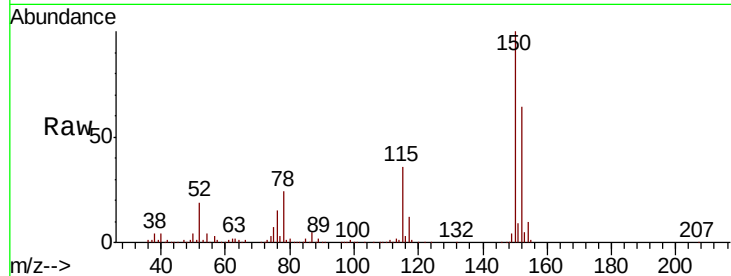
Tot Ion:152 Resp: 286270

Ion Ratio Lower Upper

152 100

115 56.0 28.3 84.9

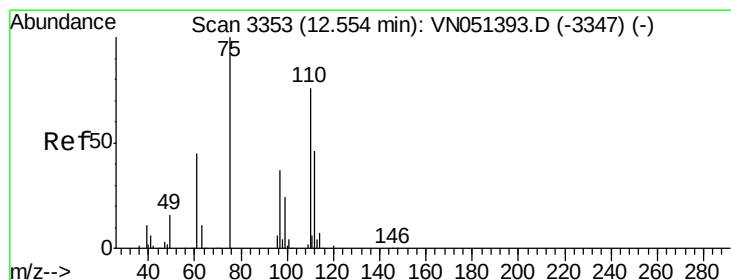
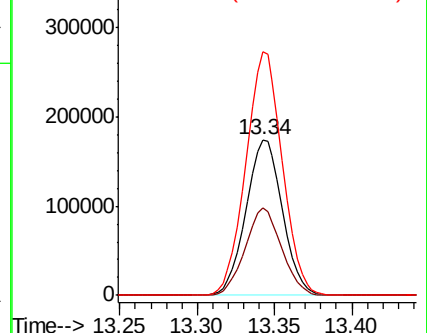
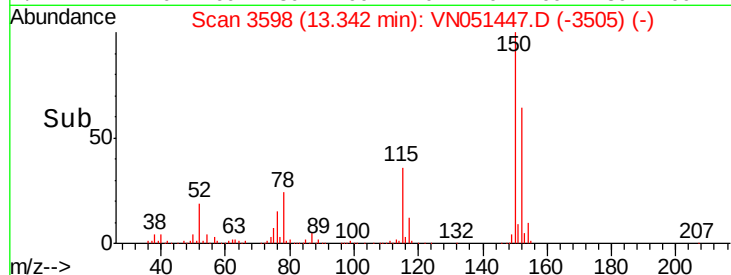
150 156.1 0.0 353.6



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: 36.602 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051447.D

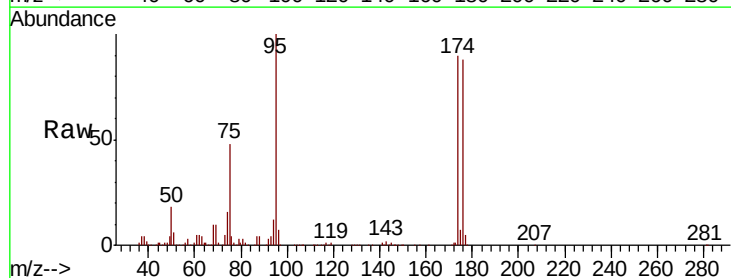
Acq: 24 Sep 2018 9:02

Tgt Ion: 75 Resp: 173945

Ion Ratio Lower Upper

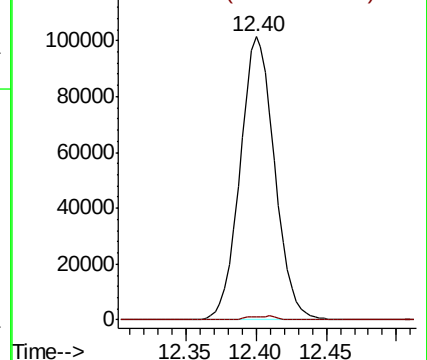
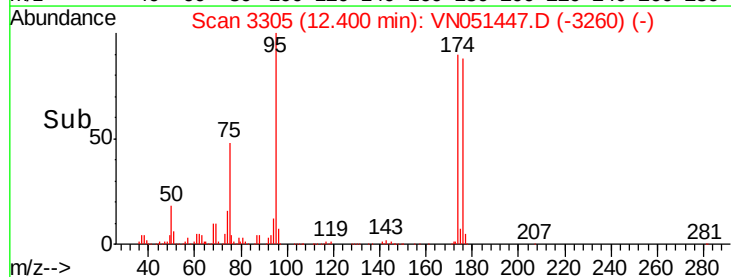
75 100

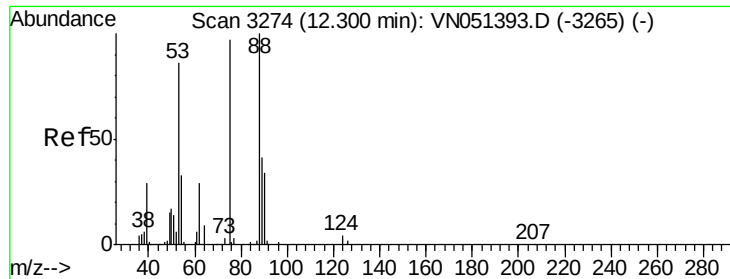
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 112.550 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

Instrument :

MSVOA_N

ClientSampled :

VN0924WBL01

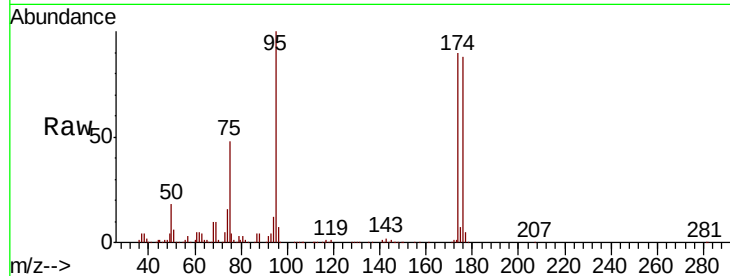
Tot Ion: 75 Resp: 173945

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

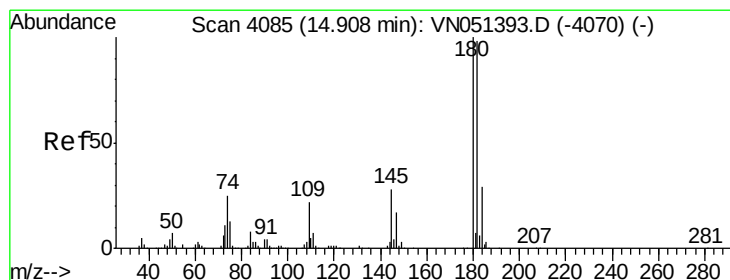
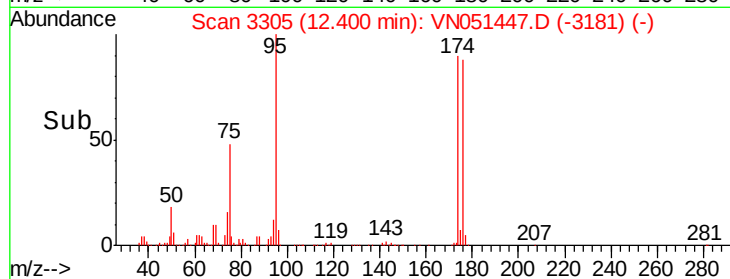
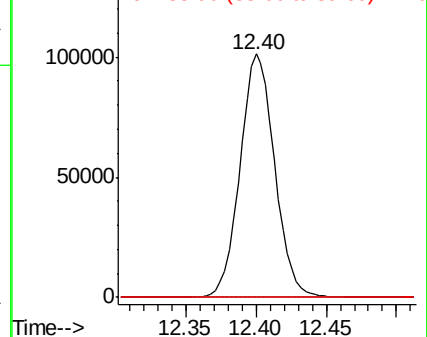
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 6.156 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

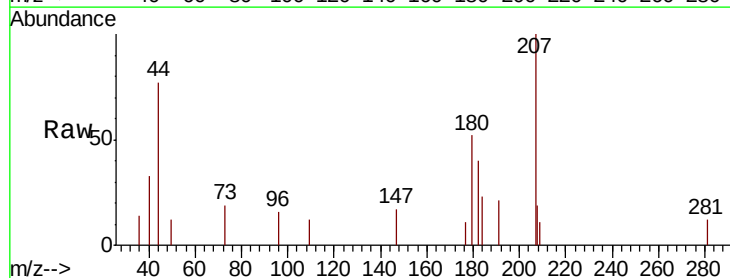
Tgt Ion: 180 Resp: 1098

Ion Ratio Lower Upper

180 100

182 69.3 48.5 145.6

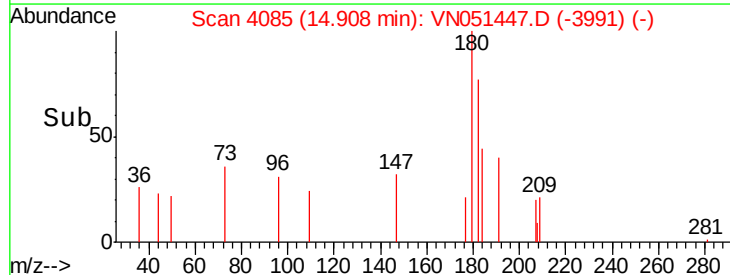
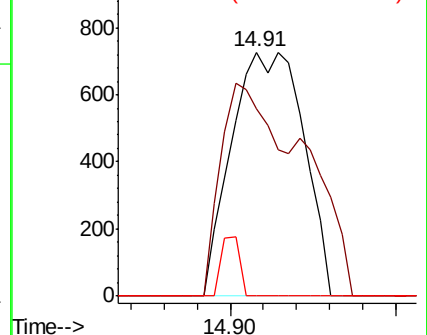
145 6.2 14.1 42.4#

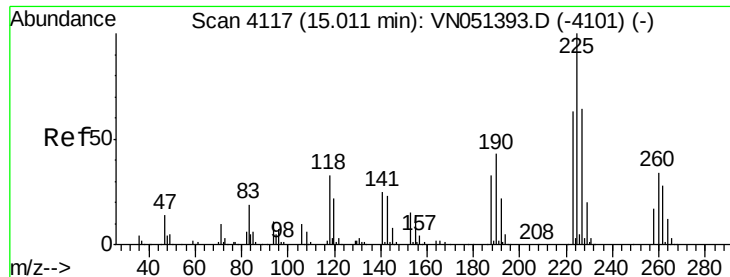


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.319 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBL01

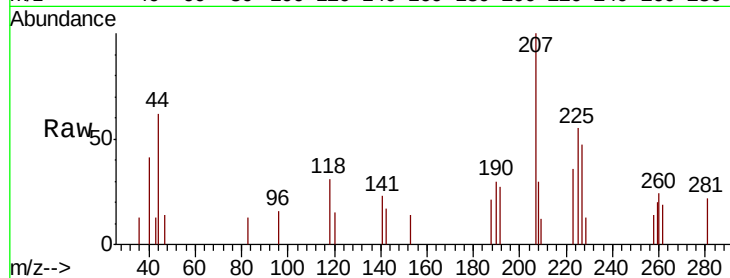
Tot Ion:225 Resp: 1238

Ion Ratio Lower Upper

225 100

223 67.7 31.9 95.9

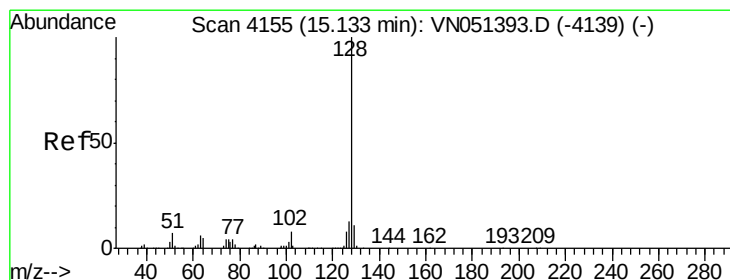
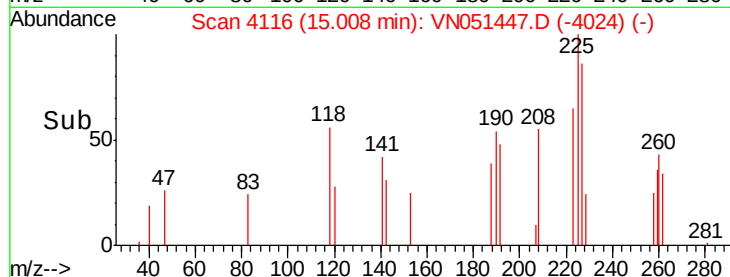
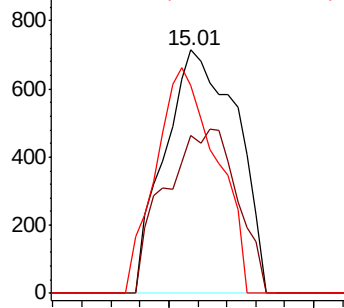
227 77.8 32.5 97.5



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: 8.229 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051447.D

Acq: 24 Sep 2018 9:02

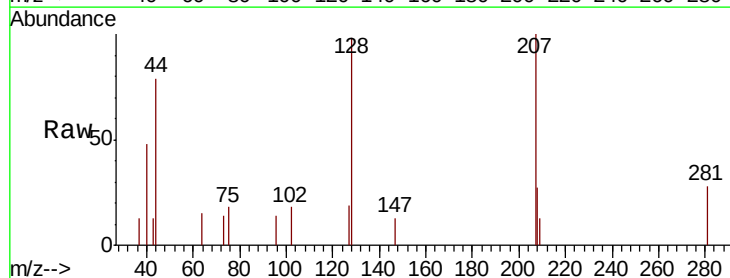
Tgt Ion:128 Resp: 2340

Ion Ratio Lower Upper

128 100

127 16.4 10.5 15.7#

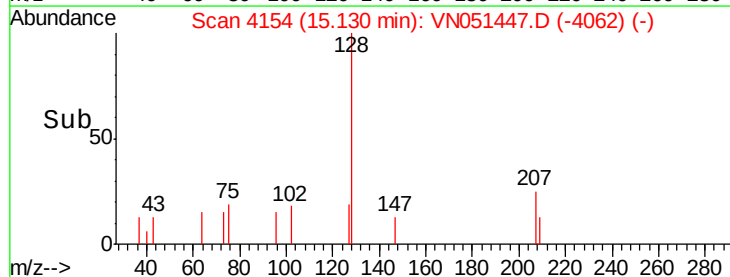
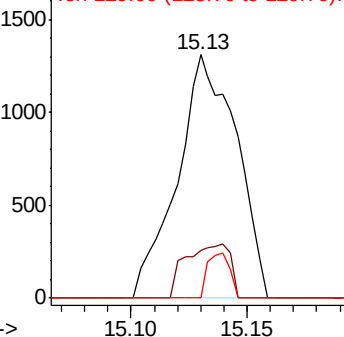
129 6.8 8.6 12.8#

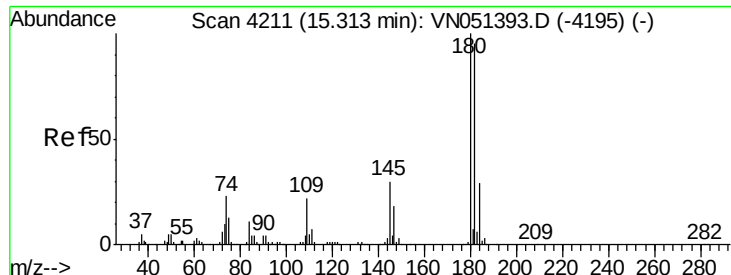


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

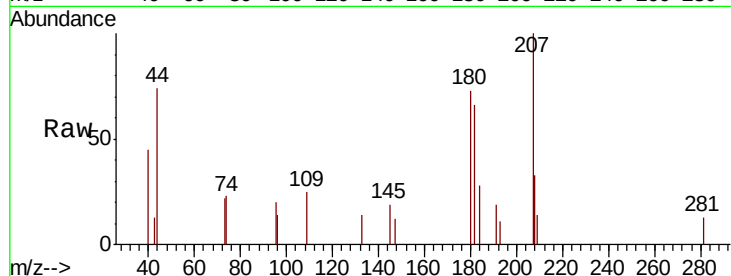




#96
 1,2,3-Trichlorobenzene
 Concen: 0.316 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051447.D
 Acq: 24 Sep 2018 9:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.2	141.6
145	17.3	14.6	43.8



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

