

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051493.D
 Acq On : 25 Sep 2018 19:33
 Operator : MD\SY
 Sample : J5056-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Sep 26 04:09:30 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	7.67	168	658784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	967283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	820299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297808	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	441768	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	7.59	113	388738	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.09	98	1382581	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
62) 4-Bromofluorobenzene	12.40	95	370328	39.30	ug/l	0.00
Spiked Amount			Recovery	=	78.60%	

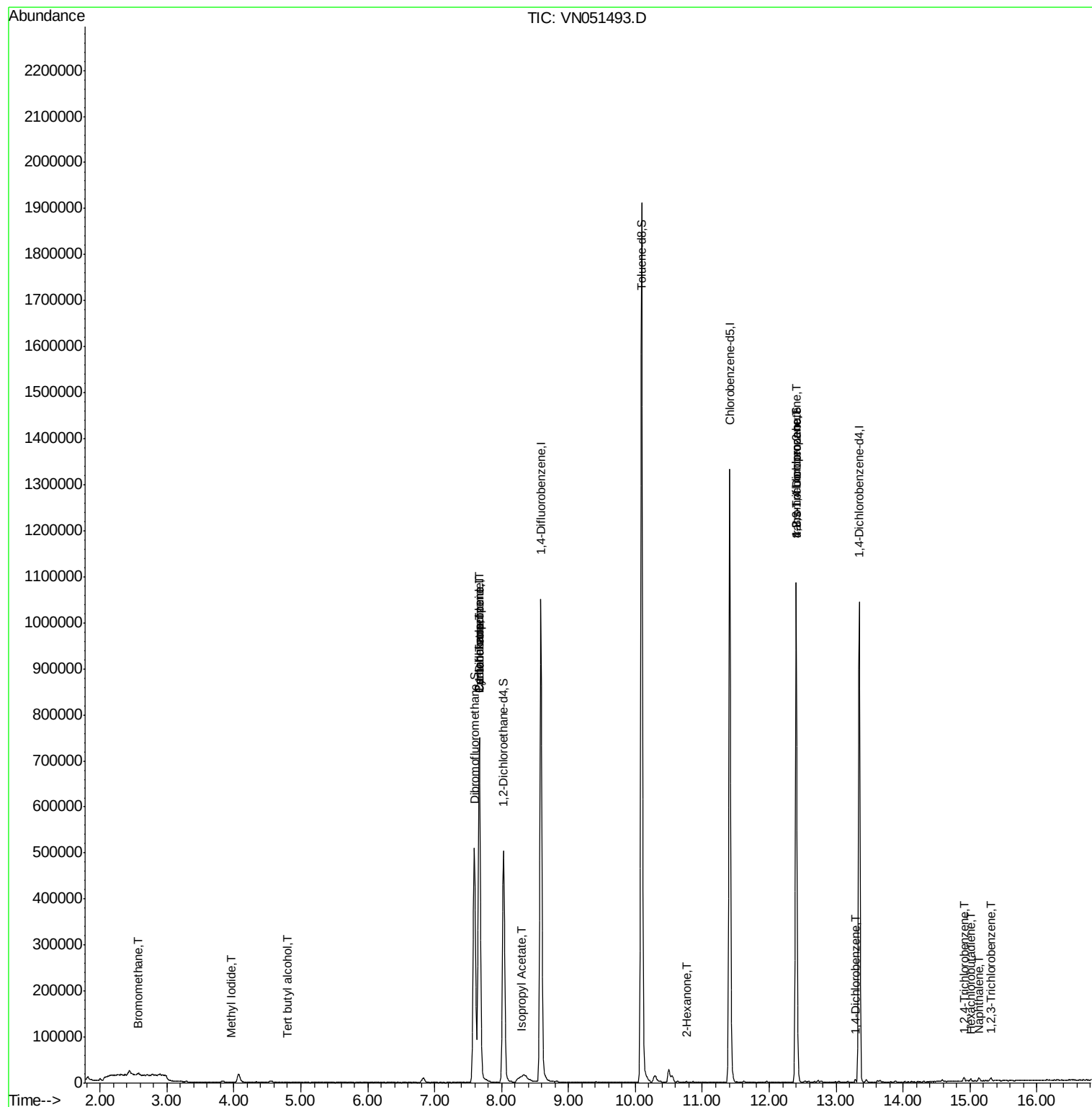
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	1038	0.219	ug/l #	75
10) Methyl Iodide	3.96	142	921	0.363	ug/l #	57
11) Tert butyl alcohol	4.79	59	181	0.389	ug/l #	78
16) Acetone	3.83	43	5605	Below Cal	#	86
31) Cyclohexane	7.66	56	12590	0.969	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45187	4.034	ug/l #	49
38) Carbon Tetrachloride	7.67	117	58068	4.956	ug/l #	16
43) Isopropyl Acetate	8.29	43	17348	1.490	ug/l #	60
59) 2-Hexanone	10.76	43	1558	0.375	ug/l #	62
76) 1,2,3-Trichloropropane	12.40	75	180022	36.414	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	180022	111.970	ug/l #	13
88) 1,4-Dichlorobenzene	13.28	146	2138	0.202	ug/l	87
93) 1,2,4-Trichlorobenzene	14.91	180	2611	6.381	ug/l	87
94) Hexachlorobutadiene	15.00	225	1129	0.279	ug/l	90
95) Naphthalene	15.14	128	5470	8.459	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	2788	0.544	ug/l	92

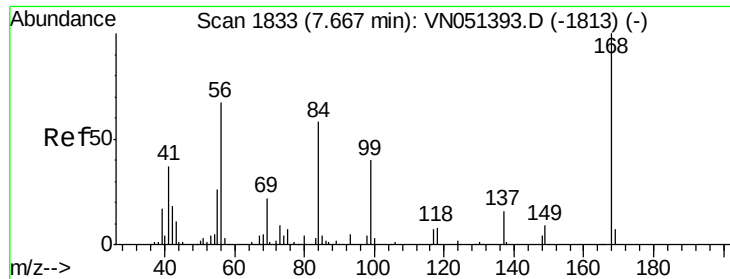
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

Instrument :

MSVOA_N

ClientSampled :

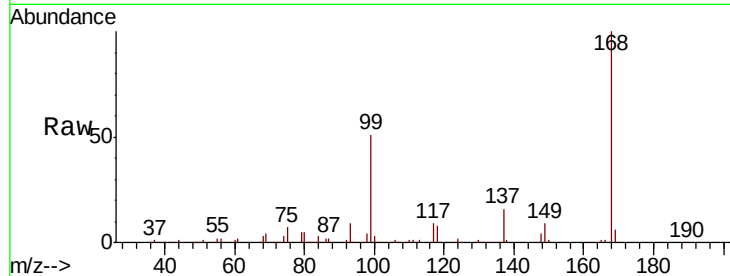
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Tot Ion:168 Resp: 658784

Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051493.D (-16813) (-)

Ion 98.90 (98.60 to 99.60): VN051493.D (-9890) (-)

7.67

250000

200000

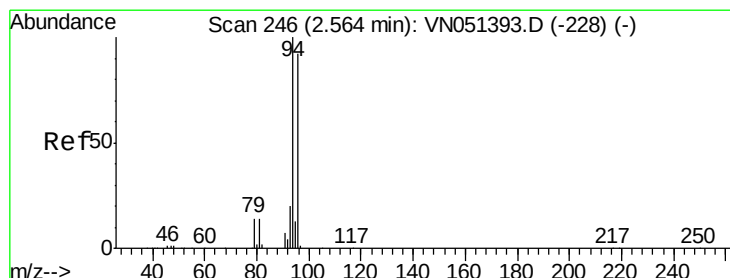
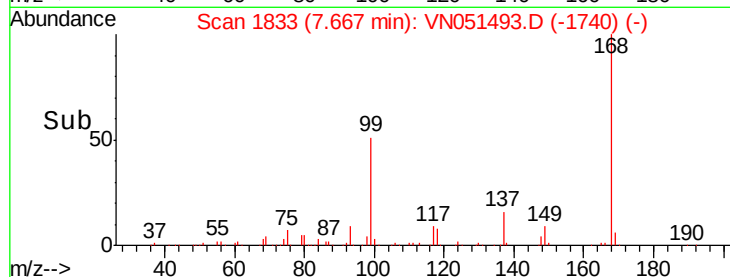
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.219 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051493.D

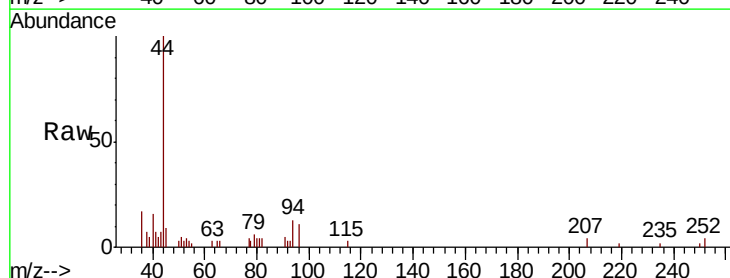
Acq: 25 Sep 2018 19:33

Tgt Ion: 94 Resp: 1038

Ion Ratio Lower Upper

94 100

96 67.8 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051493.D (-9390) (-)

Ion 95.90 (95.60 to 96.60): VN051493.D (-9590) (-)

2.56

1000

800

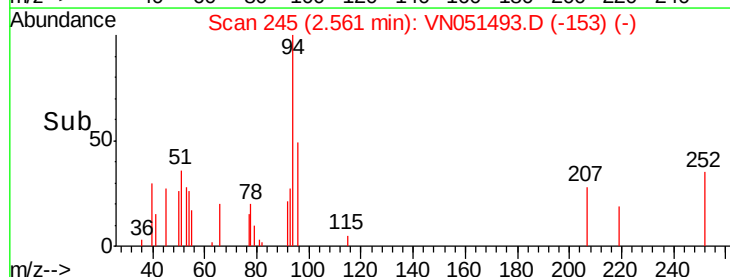
600

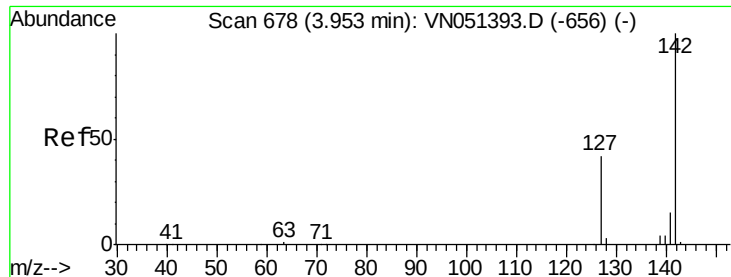
400

200

0

Time-->

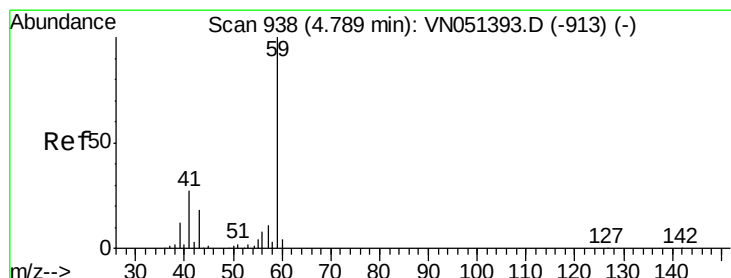
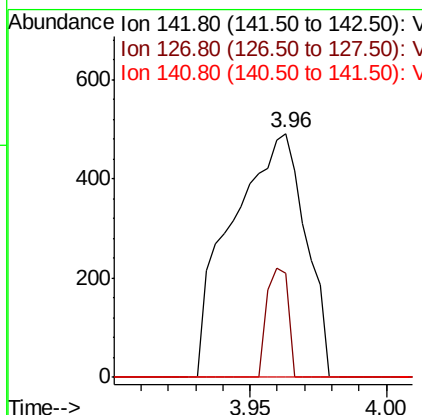
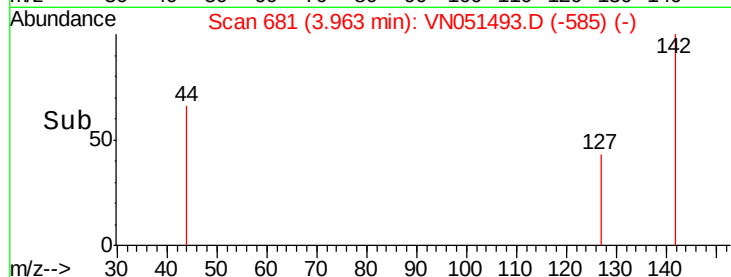
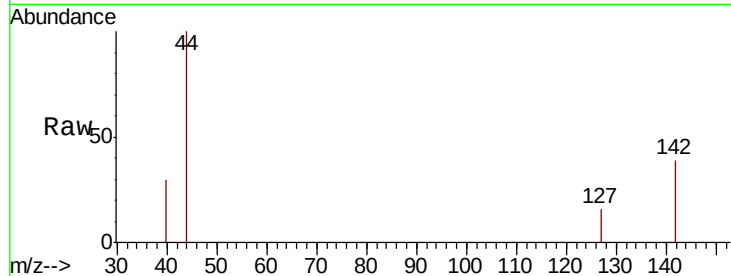




#10
Methvl Iodide
Concen: 0.363 ug/l
RT: 3.96 min Scan# 681
Delta R.T. 0.01 min
Lab File: VN051493.D
Acq: 25 Sep 2018 19:33

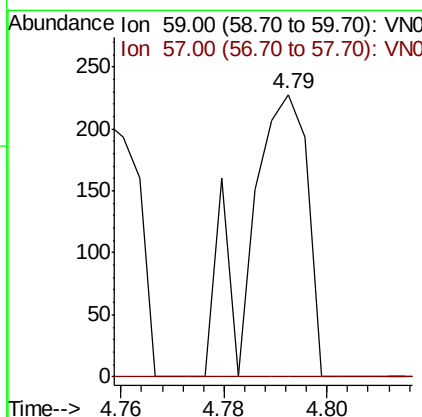
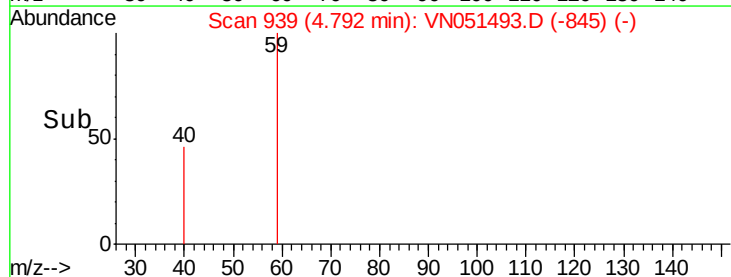
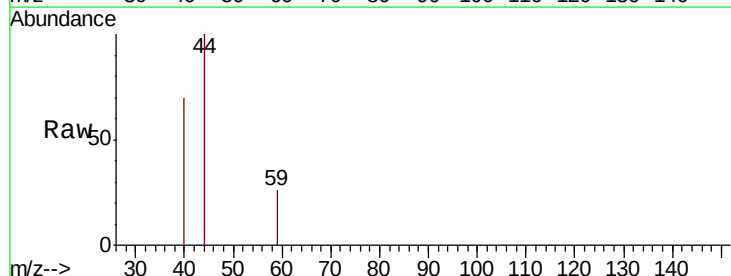
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ClientSampleId :
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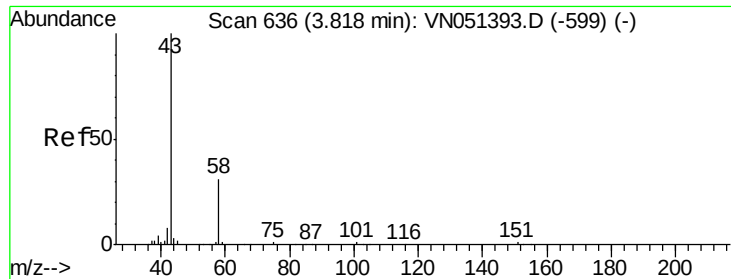
Tot Ion:142 Resp: 921
Ion Ratio Lower Upper
142 100
127 12.7 33.2 49.8#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.389 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051493.D
Acq: 25 Sep 2018 19:33

Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

Instrument :

MSVOA_N

ClientSampleId :

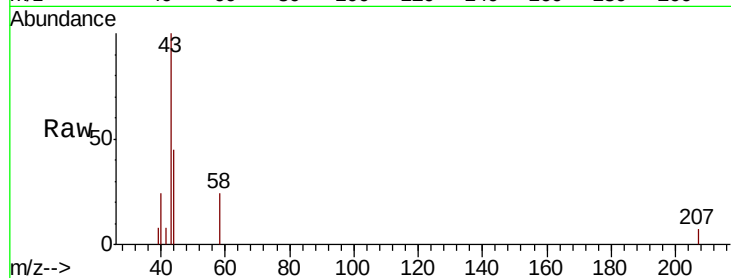
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Tot Ion: 43 Resp: 5605

Ion Ratio Lower Upper

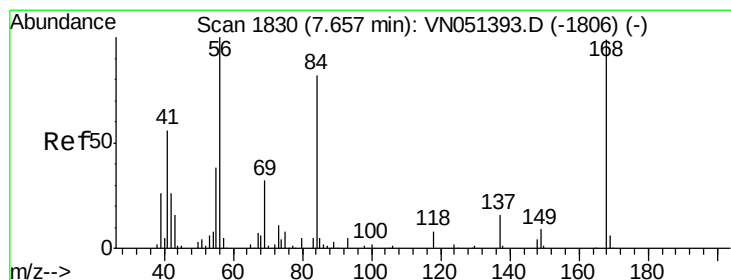
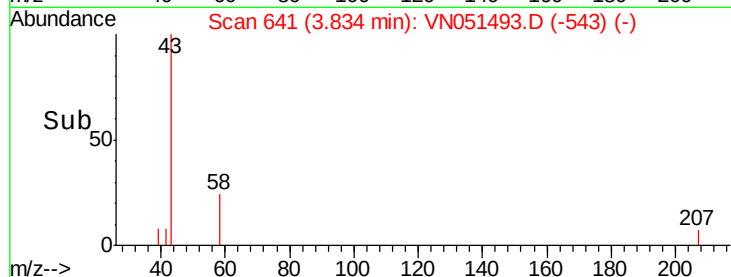
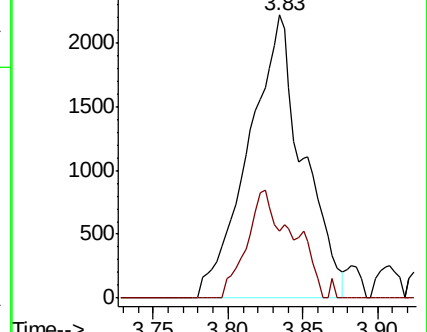
43 100

58 23.7 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-599) (-)



#31

Cyclohexane

Concen: 0.969 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

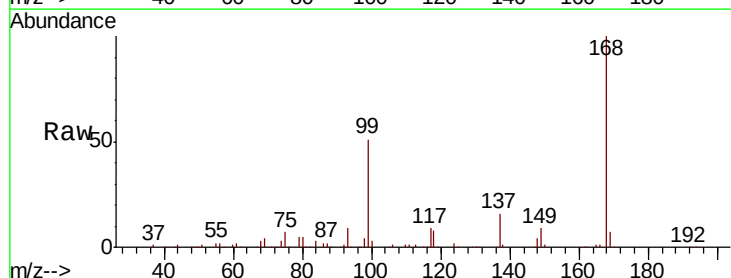
Tgt Ion: 56 Resp: 12590

Ion Ratio Lower Upper

56 100

69 187.2 25.8 38.6#

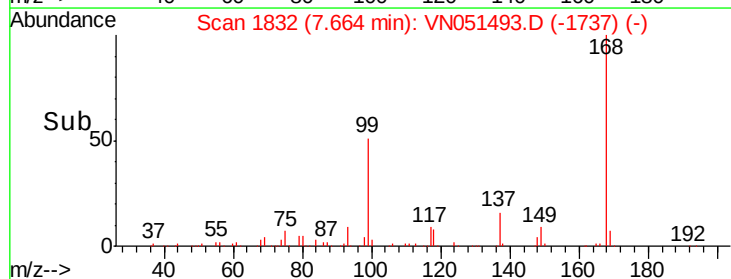
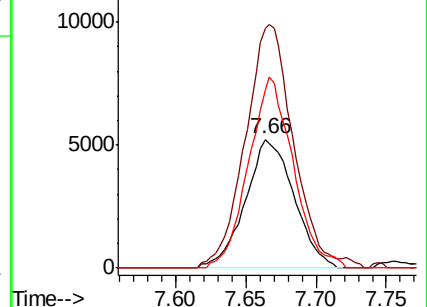
84 139.1 66.0 99.0#

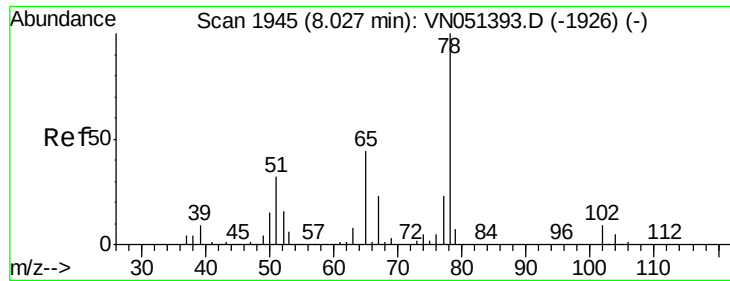


Abundance Ion 56.00 (55.70 to 56.70): VN051393.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN051393.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN051393.D (-1806) (-)

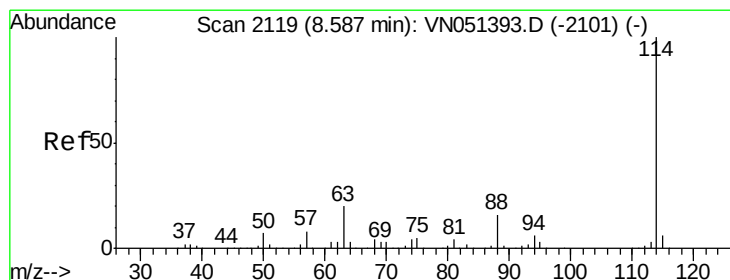
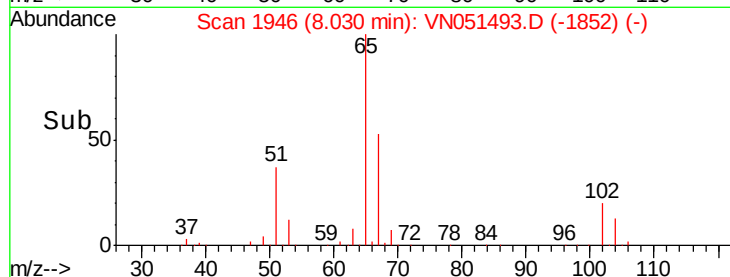
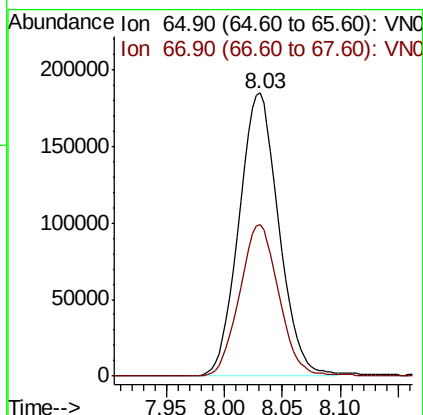
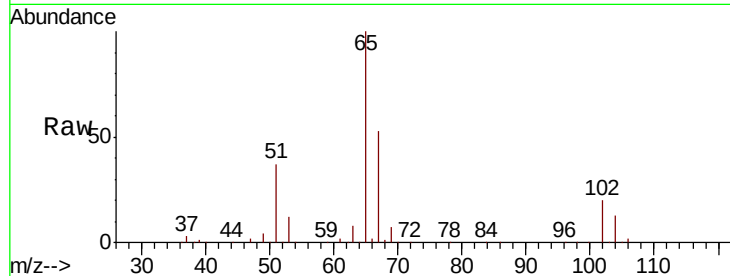




#33
 1,2-Dichloroethane-d4
 Concen: 53.532 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051493.D
 Acq: 25 Sep 2018 19:33

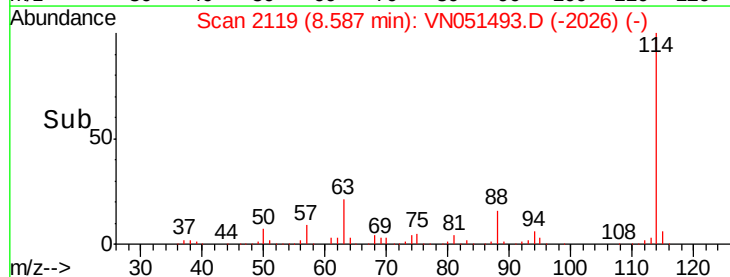
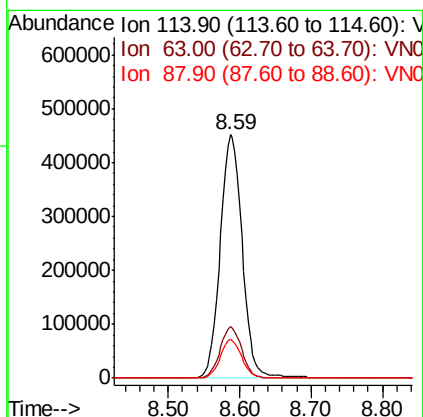
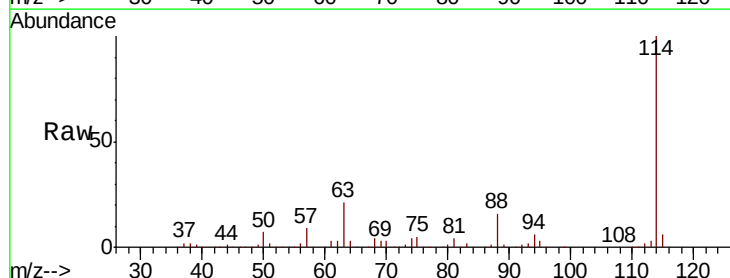
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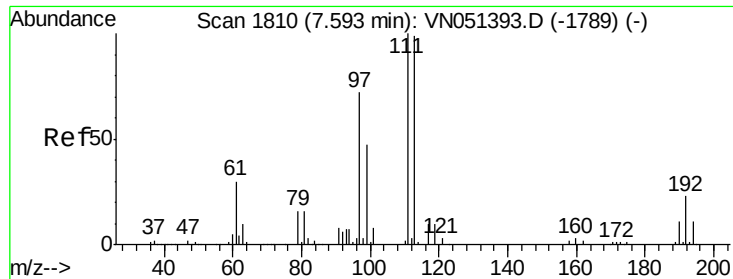
Tot Ion: 65 Resp: 441768
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051493.D
 Acq: 25 Sep 2018 19:33

Tgt Ion: 114 Resp: 967283
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.2
 88 16.1 0.0 31.4

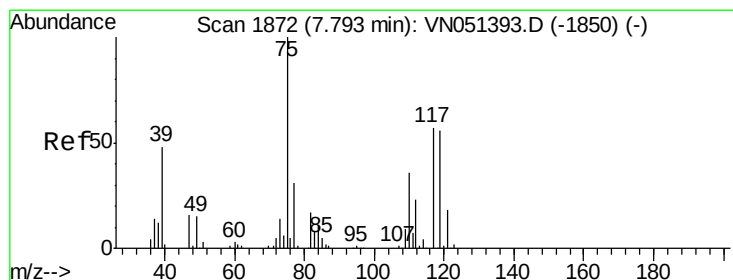
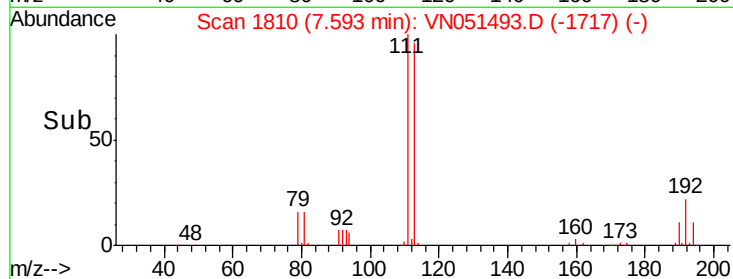
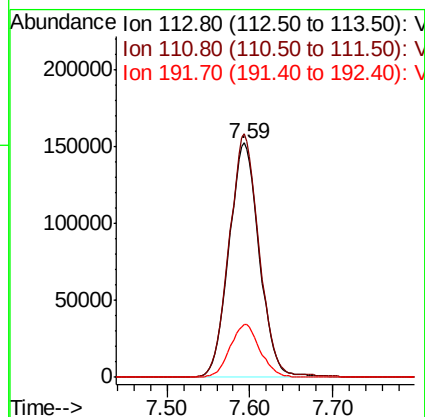
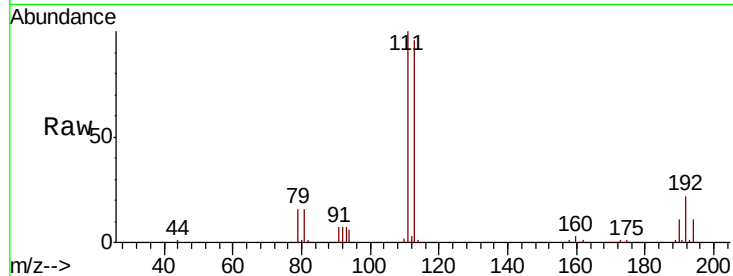




#35
 Dibromofluoromethane
 Concen: 50.258 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051493.D
 Acq: 25 Sep 2018 19:33

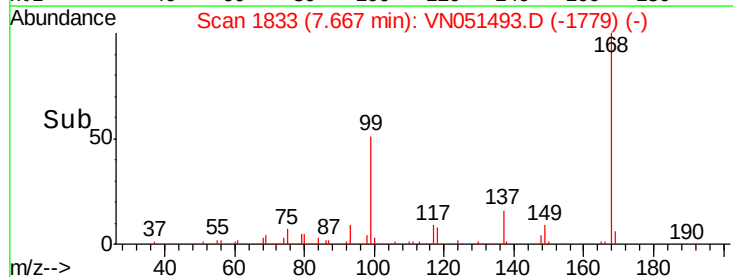
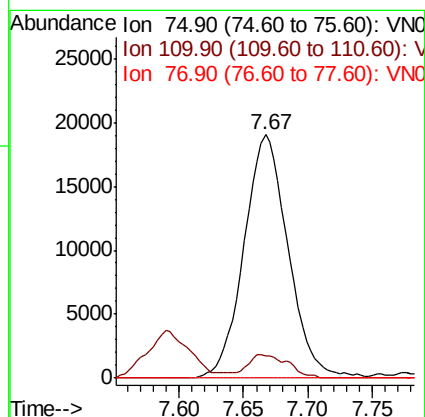
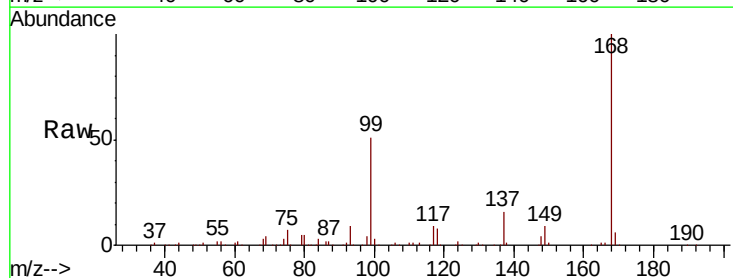
Instrument :
 MSVOA_N
 ClientSampleId :
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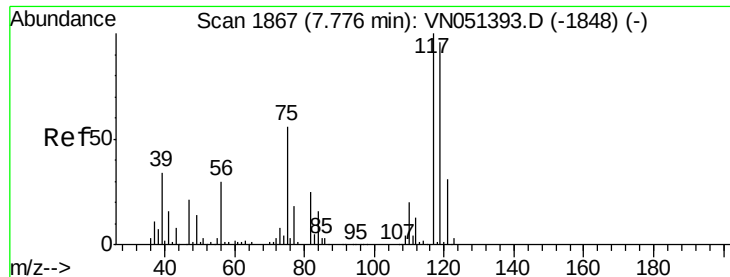
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	22.2	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 4.034 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051493.D
 Acq: 25 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.956 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

Instrument :

MSVOA_N

ClientSampled :

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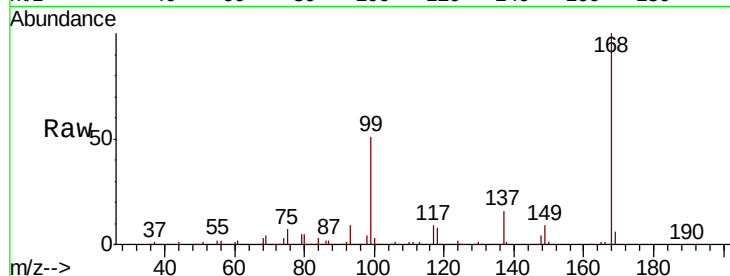
Tot Ion:117 Resp: 58068

Ion Ratio Lower Upper

117 100

119 5.1 76.9 115.3#

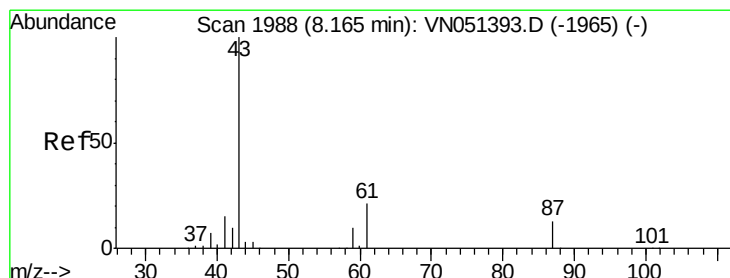
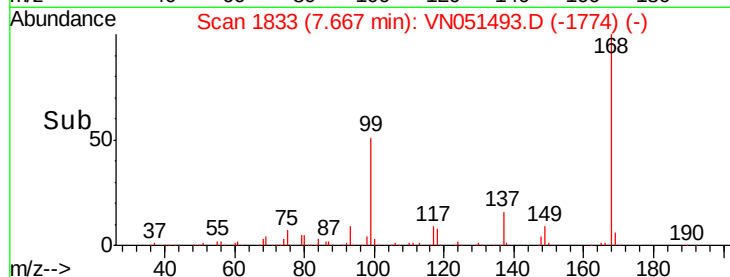
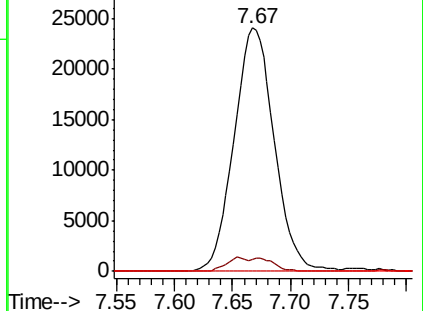
121 0.0 24.6 37.0#



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: 1.490 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

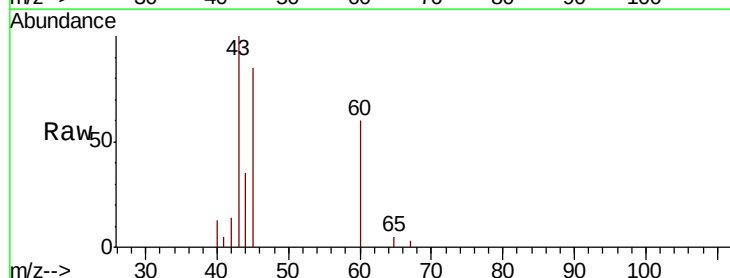
Tgt Ion: 43 Resp: 17348

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

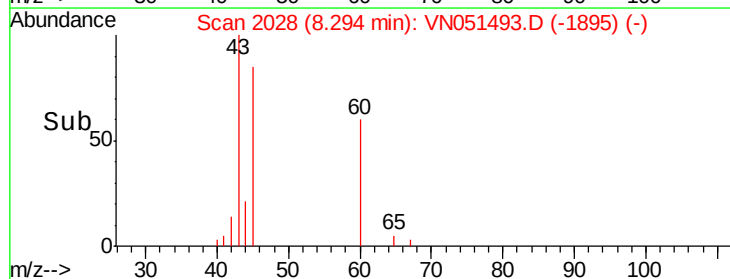
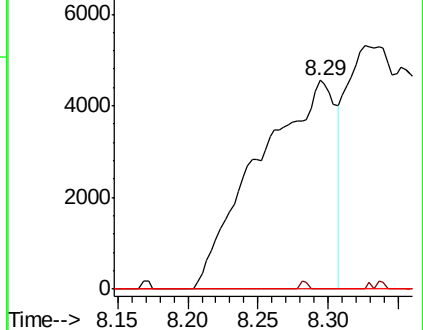
87 0.0 10.7 16.1#

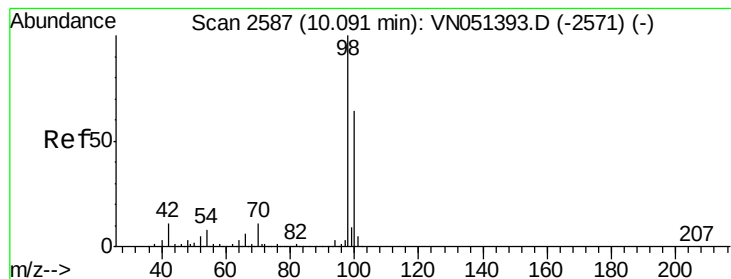


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 47.467 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

Instrument :

MSVOA_N

ClientSampled :

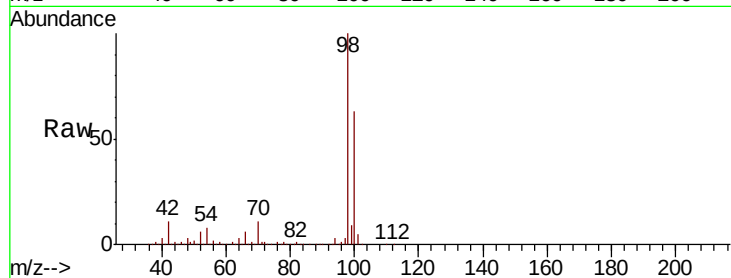
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Tot Ion: 98 Resp: 1382581

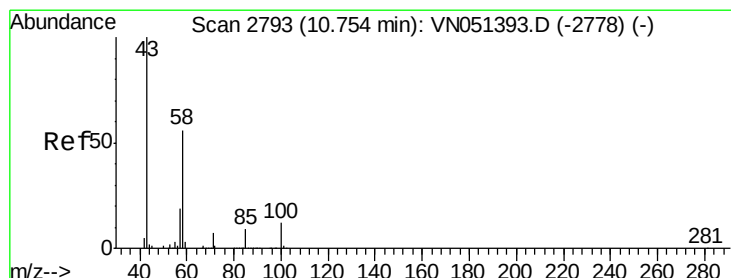
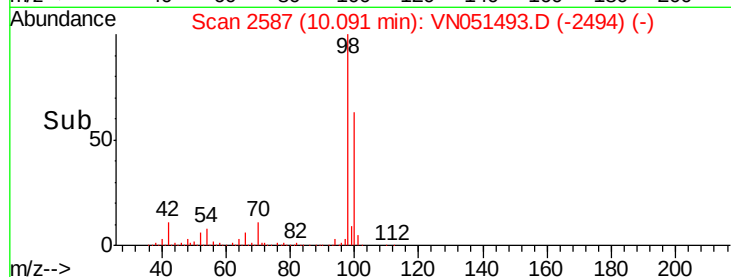
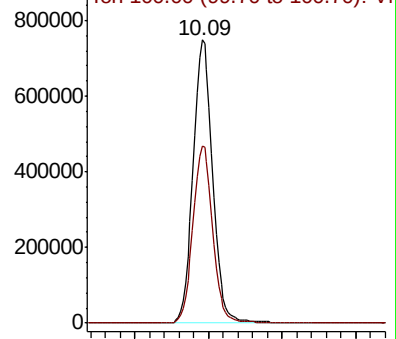
Ion Ratio Lower Upper

98 100

100 63.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051493.D (-2571) (-)



#59

2-Hexanone

Concen: 0.375 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN051493.D

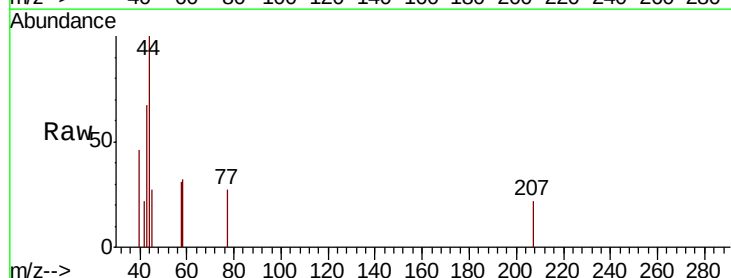
Acq: 25 Sep 2018 19:33

Tgt Ion: 43 Resp: 1558

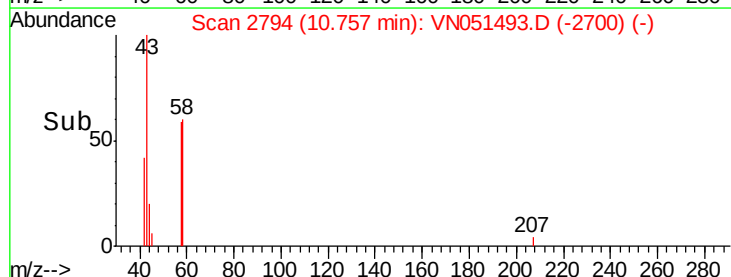
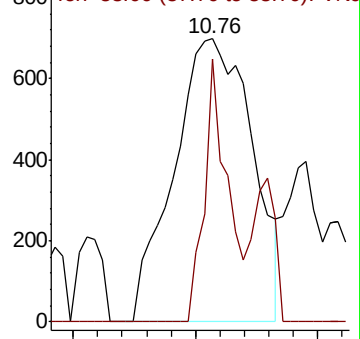
Ion Ratio Lower Upper

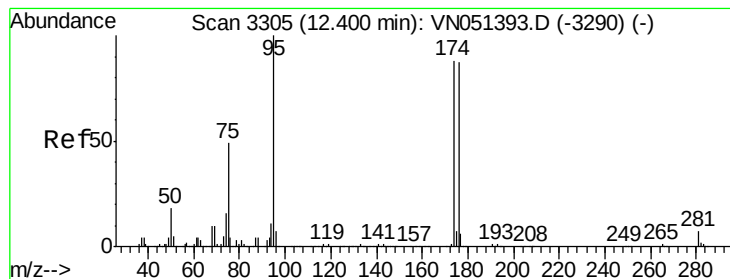
43 100

58 27.5 27.7 83.0#



Abundance Ion 43.00 (42.70 to 43.70): VN051493.D (-2778) (-)





#62

4-Bromofluorobenzene

Concen: 39.302 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

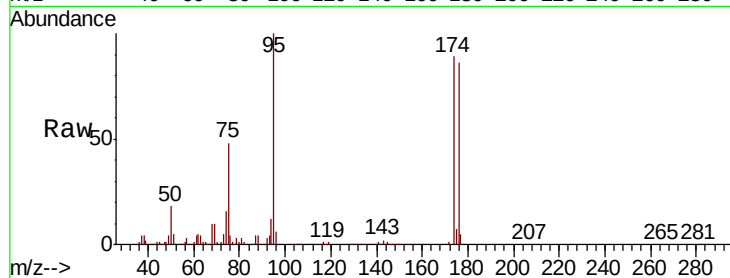
Tot Ion: 95 Resp: 370328

Ion Ratio Lower Upper

95 100

174 90.3 0.0 181.6

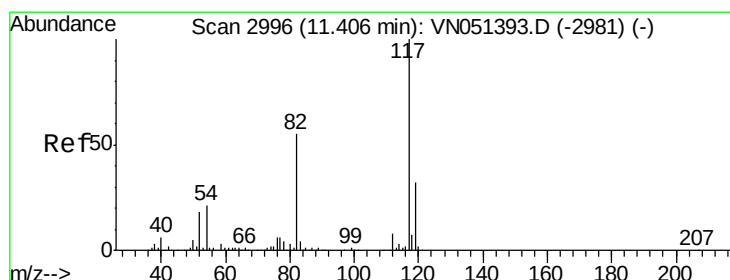
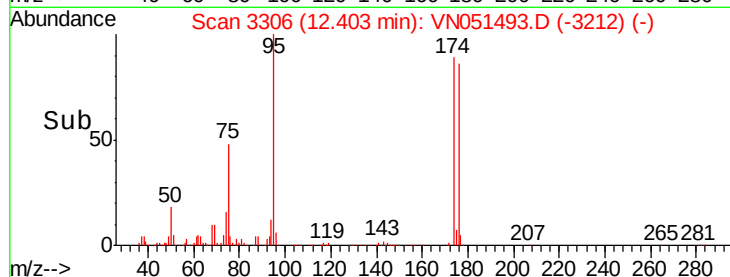
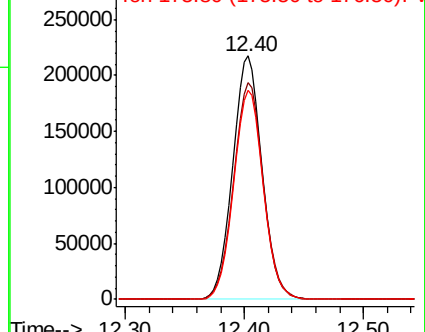
176 86.8 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051493.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051493.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051493.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

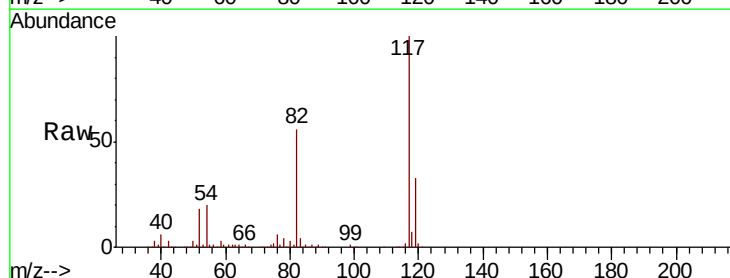
Tgt Ion: 117 Resp: 820299

Ion Ratio Lower Upper

117 100

82 55.8 44.2 66.2

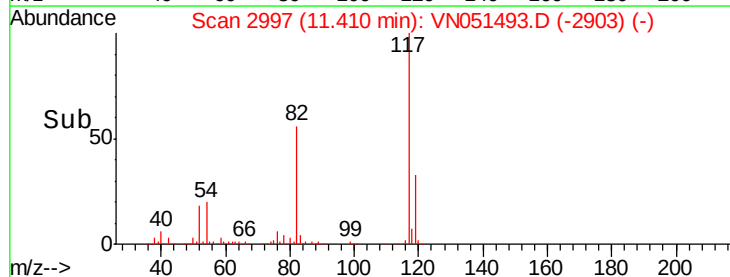
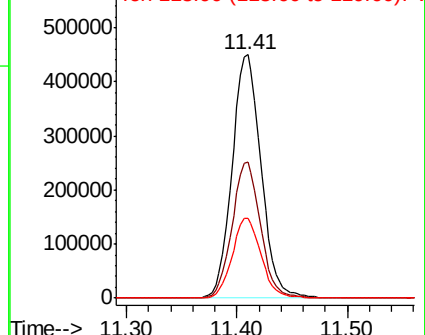
119 32.9 25.9 38.9

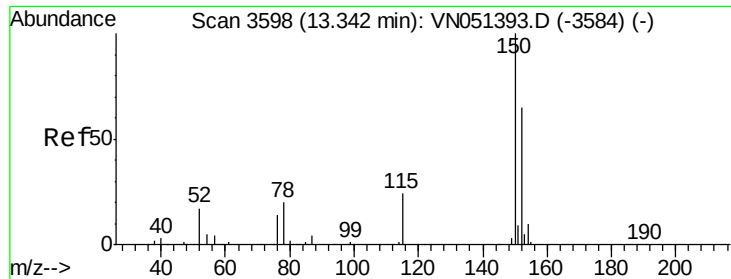


Abundance Ion 116.90 (116.60 to 117.60): VN051493.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051493.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051493.D (-2981) (-)



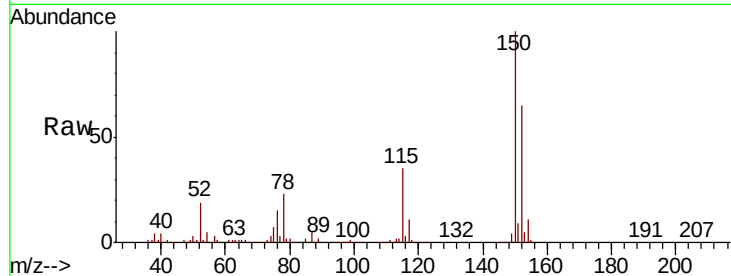


#72

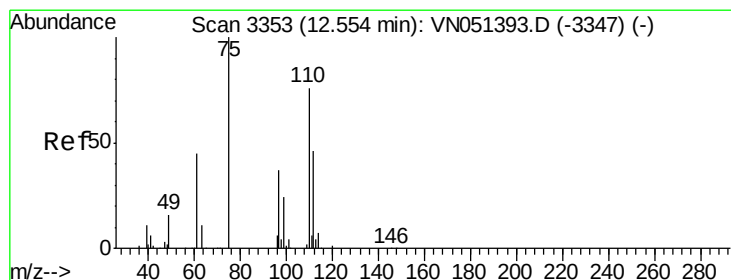
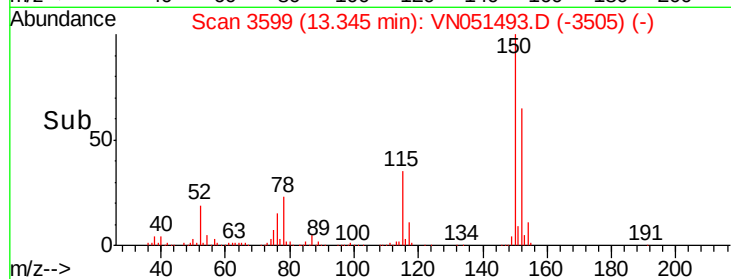
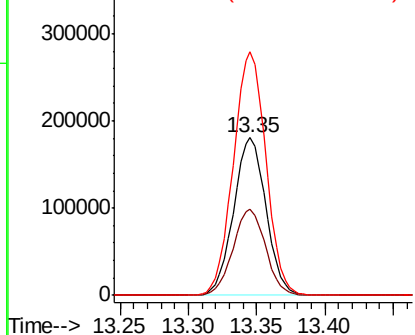
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051493.D
Acq: 25 Sep 2018 19:33

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tot Ion:152 Resp: 297808
Ion Ratio Lower Upper
152 100
115 54.7 28.3 84.9
150 155.4 0.0 353.6



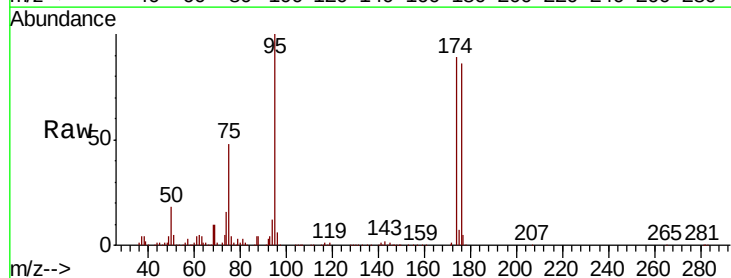
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



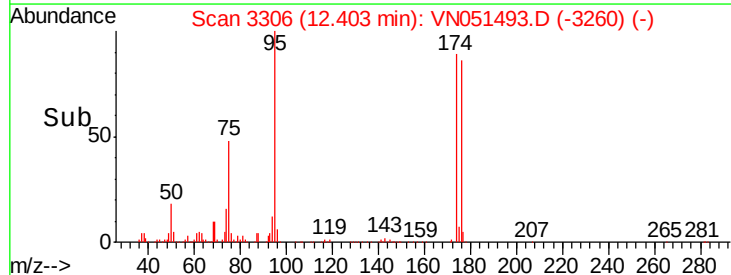
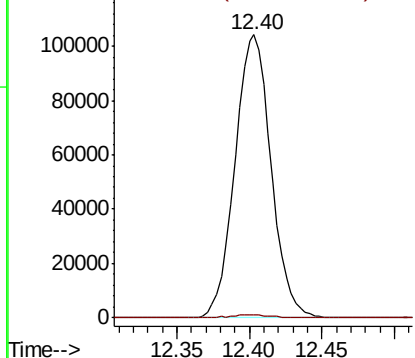
#76

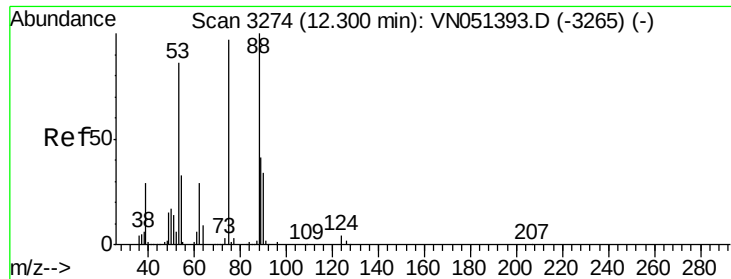
1,2,3-Trichloropropane
Concen: 36.414 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN051493.D
Acq: 25 Sep 2018 19:33

Tgt Ion: 75 Resp: 180022
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

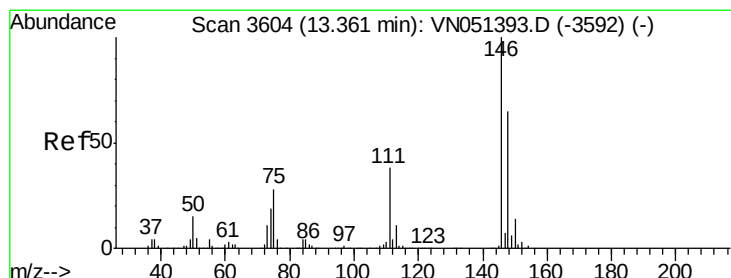
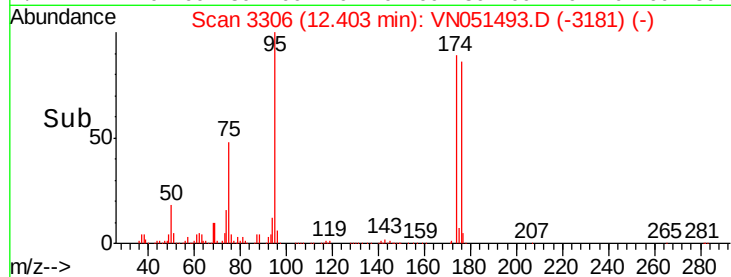
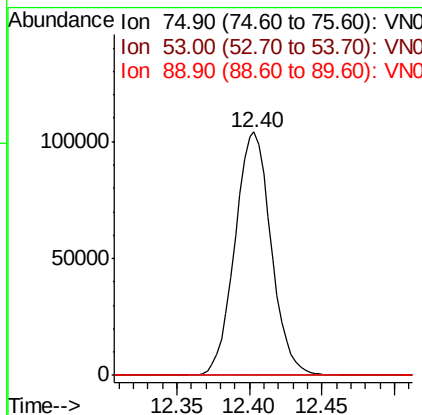
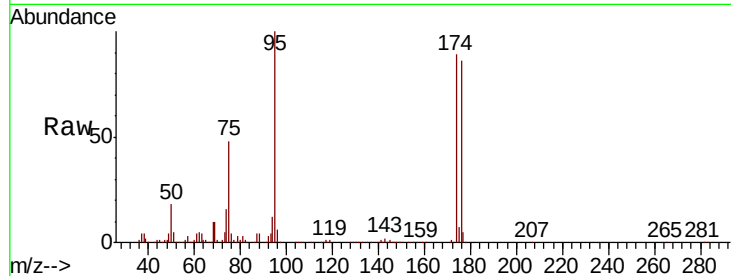




#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.970 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051493.D
 Acq: 25 Sep 2018 19:33

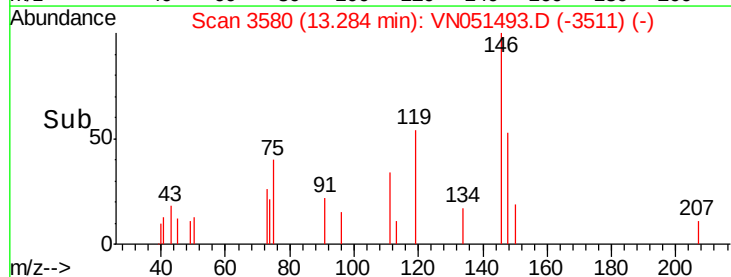
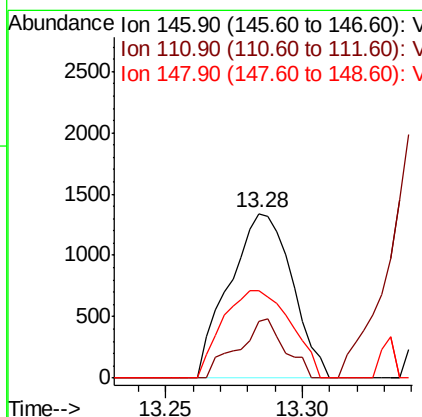
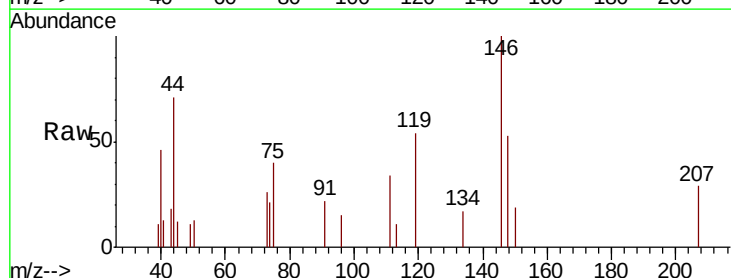
Instrument :
 MSVOA_N
 ClientSampled :
 FIELD-BLANK

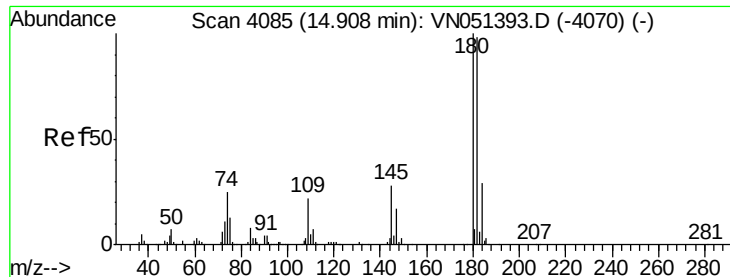
Tot Ion: 75 Resp: 180022
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.9 110.9#
 89 0.0 36.7 55.1#



#88
 1,4-Dichlorobenzene
 Concen: 0.202 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN051493.D
 Acq: 25 Sep 2018 19:33

Tgt Ion: 146 Resp: 2138
 Ion Ratio Lower Upper
 146 100
 111 26.5 19.1 57.1
 148 57.9 32.5 97.5

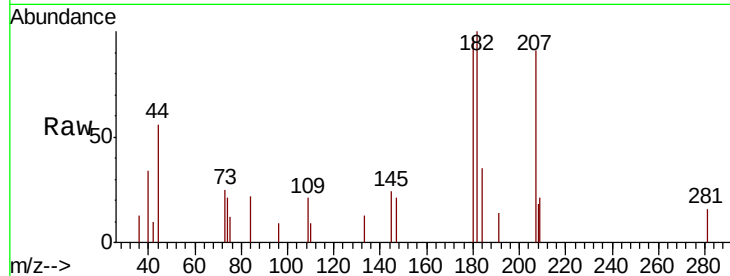




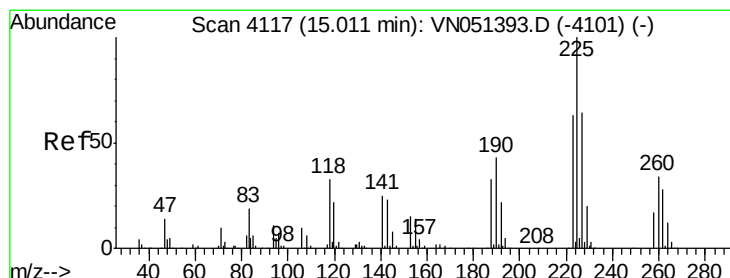
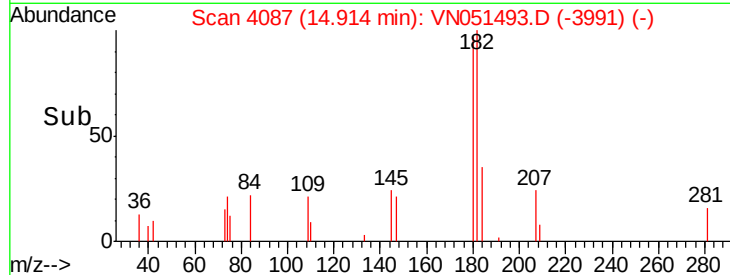
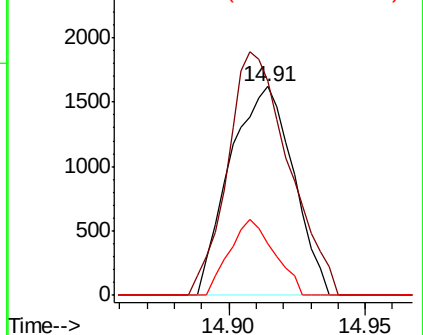
#93
 1,2,4-Trichlorobenzene
 Concen: 6.381 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN051493.D
 Acq: 25 Sep 2018 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Tot Ion:180 Resp: 2611
 Ion Ratio Lower Upper
 180 100
 182 112.7 48.5 145.6
 145 25.9 14.1 42.4

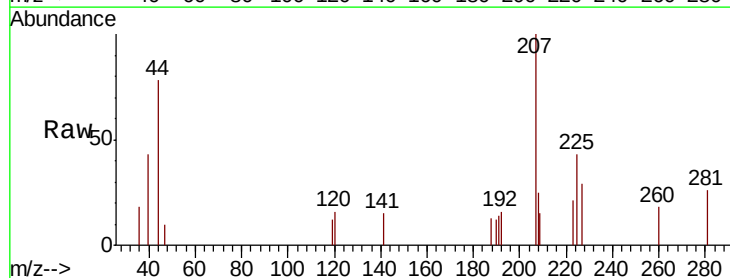


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

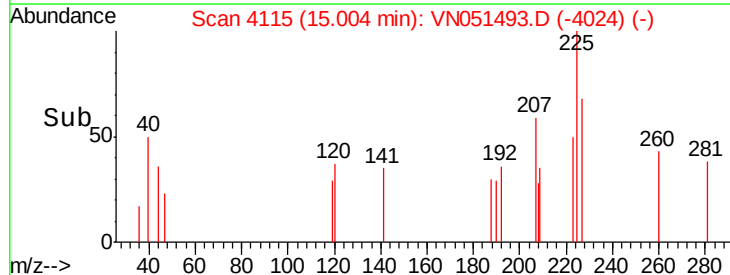
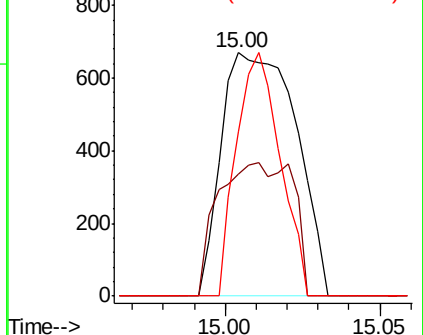


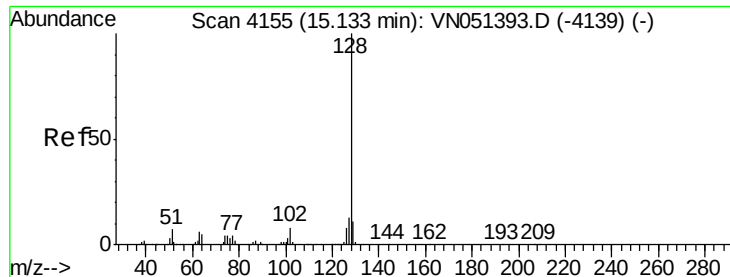
#94
 Hexachlorobutadiene
 Concen: 0.279 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.01 min
 Lab File: VN051493.D
 Acq: 25 Sep 2018 19:33

Tgt Ion:225 Resp: 1129
 Ion Ratio Lower Upper
 225 100
 223 54.6 31.9 95.9
 227 58.5 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: 8.459 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

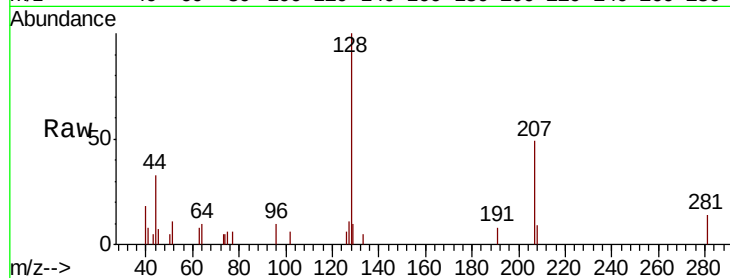
Tot Ion:128 Resp: 5470

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

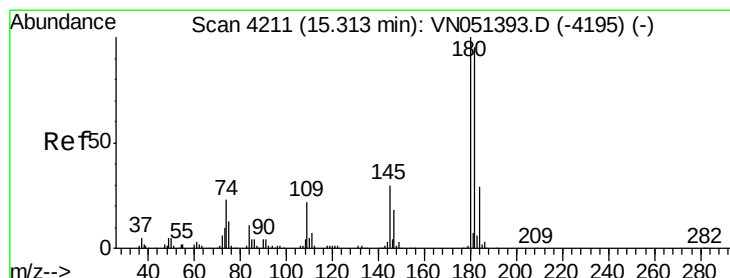
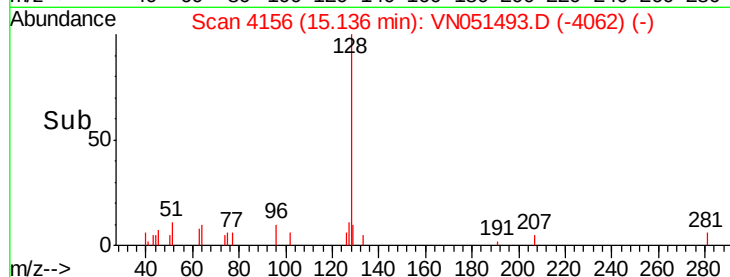
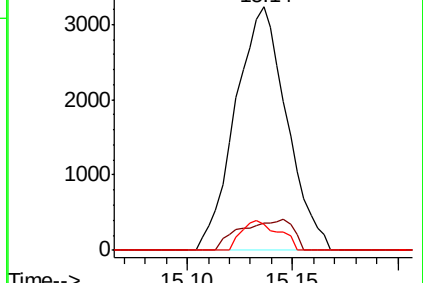
129 8.8 8.6 12.8



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: 0.544 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051493.D

Acq: 25 Sep 2018 19:33

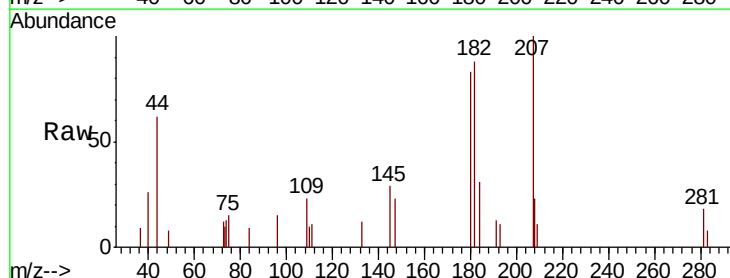
Tgt Ion:180 Resp: 2788

Ion Ratio Lower Upper

180 100

182 103.4 47.2 141.6

145 31.3 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

