

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
 Data File : VN058506.D
 Acq On : 3 Oct 2019 13:53
 Operator : JC/SP
 Sample : K4660-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-GROUNDWATER

Quant Time: Oct 04 03:18:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	300966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	487019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	405980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	140060	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	216632	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
35) Dibromofluoromethane	7.57	113	153235	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	10.08	98	602378	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.41	95	175481	41.50	ug/l	0.00
Spiked Amount			Recovery	=	83.00%	

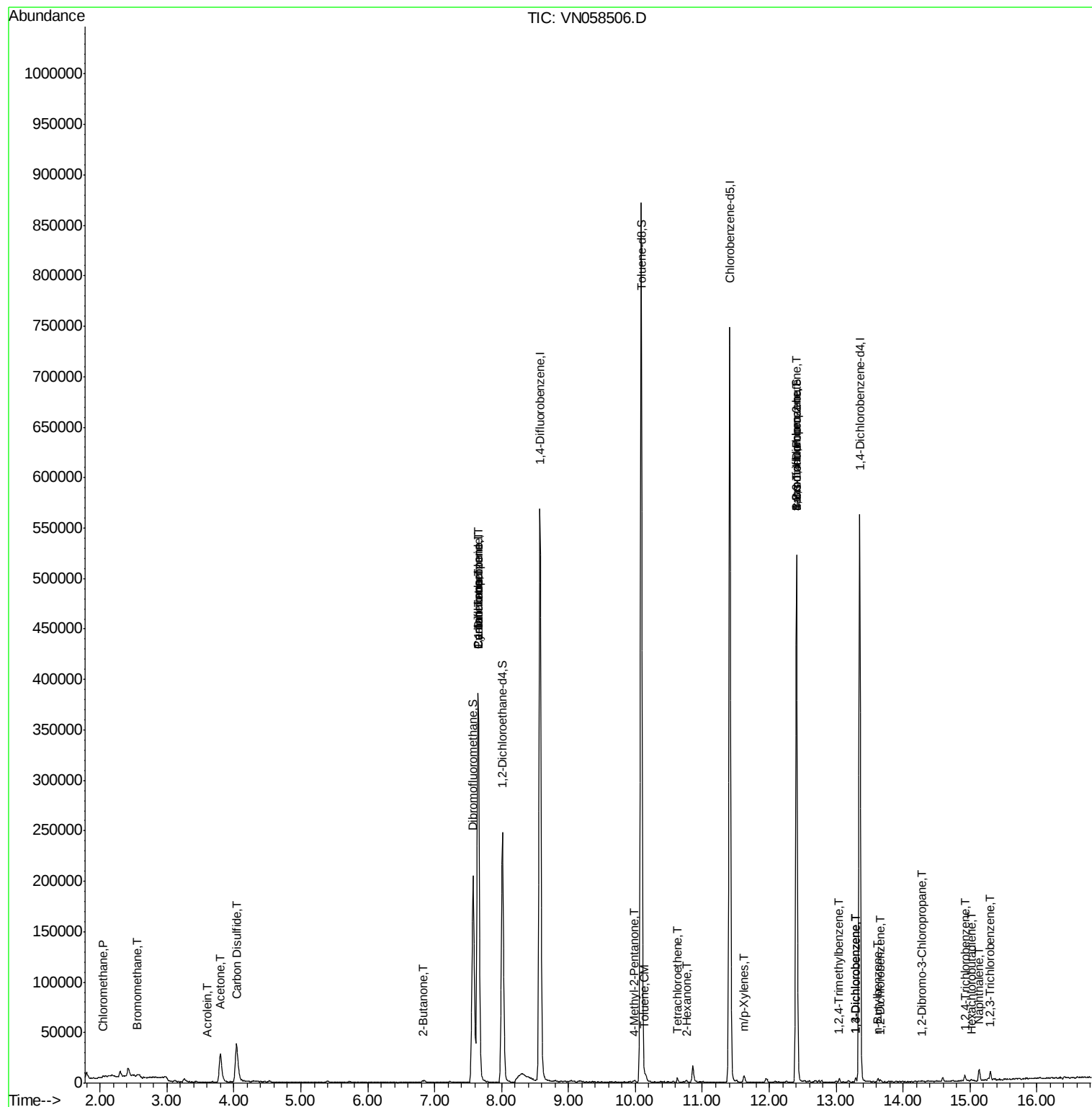
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	973	0.268	ug/l	98
5) Bromomethane	2.55	94	818	0.433	ug/l	82
13) Acrolein	3.60	56	232	1.493	ug/l #	62
16) Acetone	3.80	43	49396	32.946	ug/l	99
17) Carbon Disulfide	4.03	76	2586	0.346	ug/l #	88
25) 2-Butanone	6.83	43	3027	1.471	ug/l	92
31) Cyclohexane	7.65	56	8261	1.357	ug/l #	41
36) 1,1-Dichloropropene	7.65	75	26861	5.768	ug/l #	50
38) Carbon Tetrachloride	7.65	117	32003	7.613	ug/l #	15
51) 4-Methyl-2-Pentanone	9.98	43	1826	0.479	ug/l #	57
52) Toluene	10.15	92	1811	0.215	ug/l	92
59) 2-Hexanone	10.76	43	2148	0.774	ug/l	73
60) Dibromochloromethane	10.64	129	759	Below Cal	#	11
64) Tetrachloroethene	10.63	164	893	0.346	ug/l #	66
68) m/p-Xylenes	11.62	106	2255	0.410	ug/l	89
71) Bromoform	12.41	173	564	0.991	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	99363	38.841	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	99363	117.965	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.05	105	2111	0.243	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	921	0.209	ug/l	90
88) 1,4-Dichlorobenzene	13.30	146	921	0.210	ug/l	90
89) n-Butylbenzene	13.62	91	2414	0.315	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	970	0.229	ug/l	72
92) 1,2-Dibromo-3-Chloropropan	14.29	75	181	0.335	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.92	180	1981	0.848	ug/l	96
94) Hexachlorobutadiene	15.01	225	253	0.211	ug/l #	64
95) Naphthalene	15.14	128	9731	1.394	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	2606	1.088	ug/l	93

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

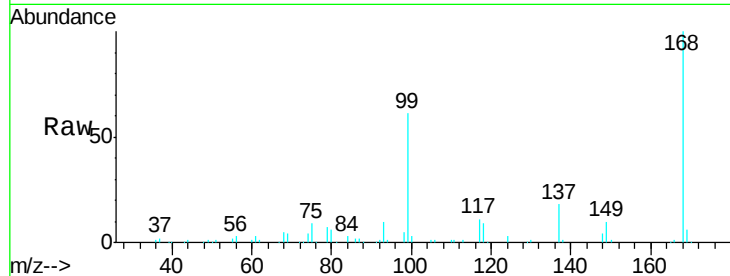
TP-1-GROUNDWATER

Tgt Ion:168 Resp: 300966

Ion Ratio Lower Upper

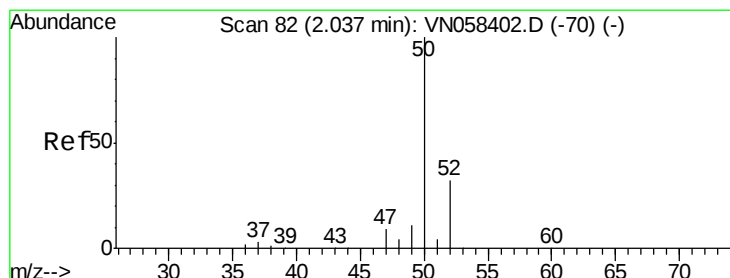
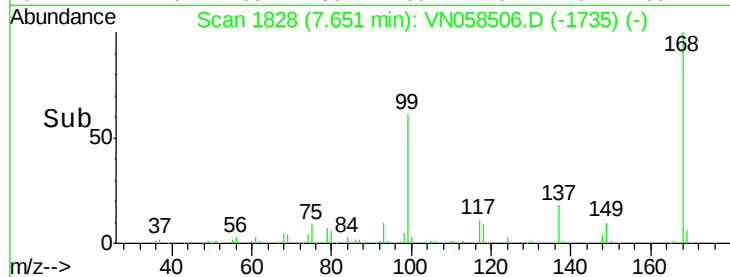
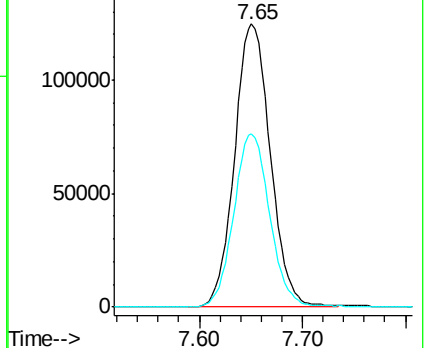
168 100

99 61.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.268 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058506.D

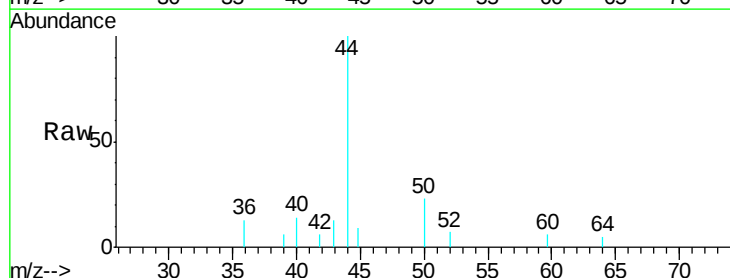
Acq: 3 Oct 2019 13:53

Tgt Ion: 50 Resp: 973

Ion Ratio Lower Upper

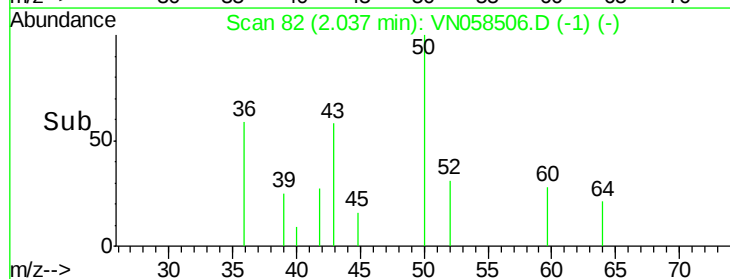
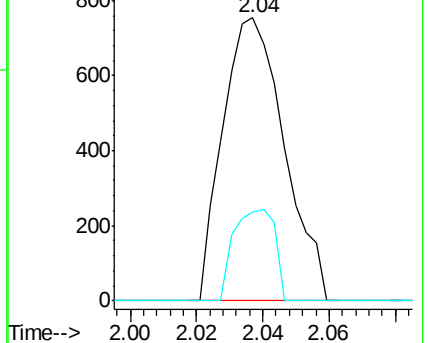
50 100

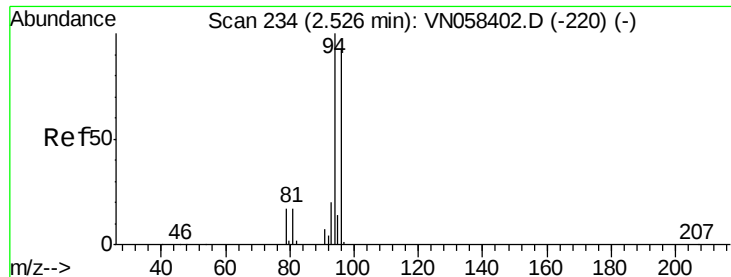
52 31.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.433 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

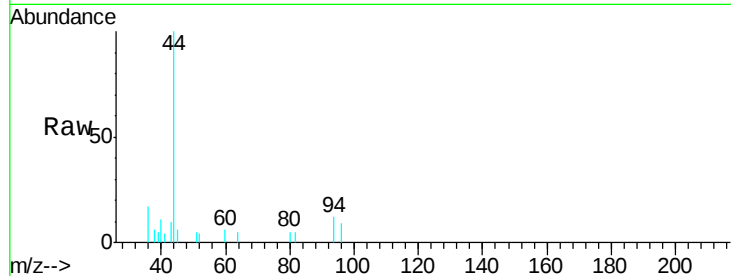
TP-1-GROUNDWATER

Tgt Ion: 94 Resp: 818

Ion Ratio Lower Upper

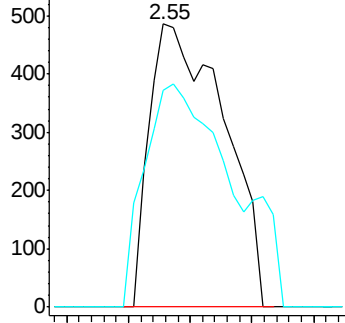
94 100

96 76.5 74.8 112.2

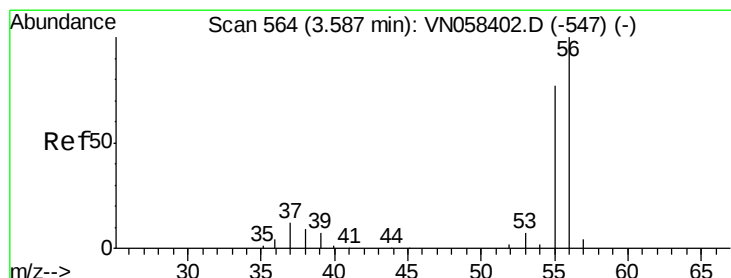
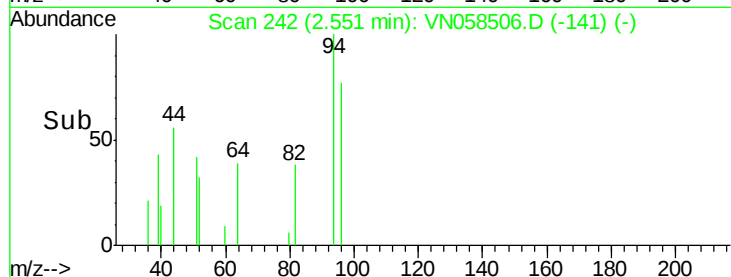


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time--> 2.52 2.54 2.56 2.58 2.60



#13

Acrolein

Concen: 1.493 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN058506.D

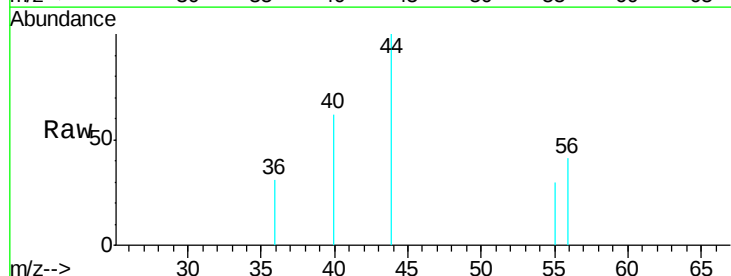
Acq: 3 Oct 2019 13:53

Tgt Ion: 56 Resp: 232

Ion Ratio Lower Upper

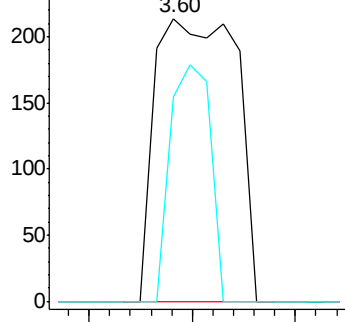
56 100

55 41.4 58.3 87.5#

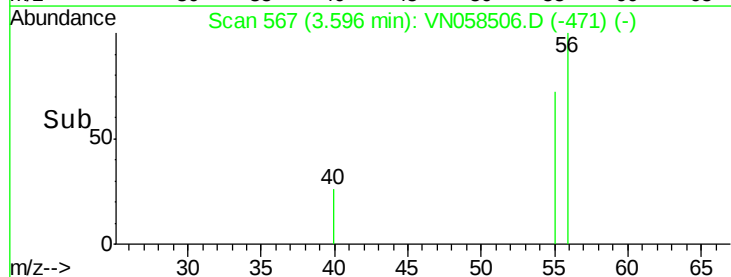


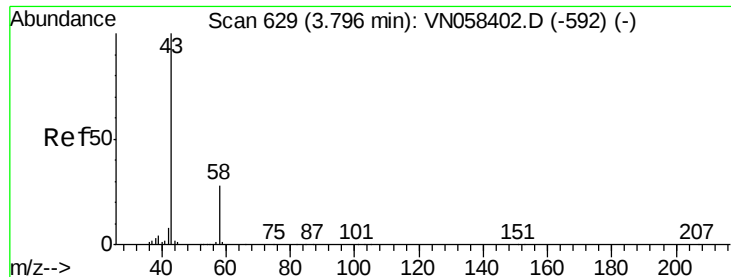
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.58 3.60 3.62





#16

Acetone

Concen: 32.946 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

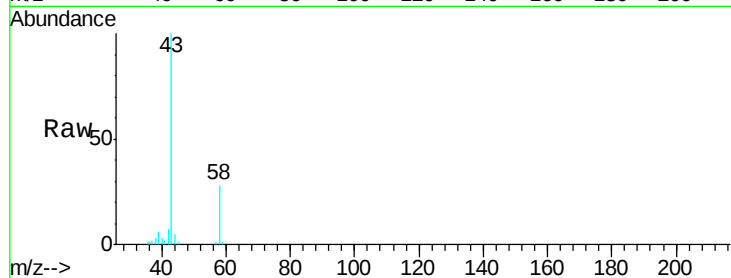
TP-1-GROUNDWATER

Tgt Ion: 43 Resp: 49396

Ion Ratio Lower Upper

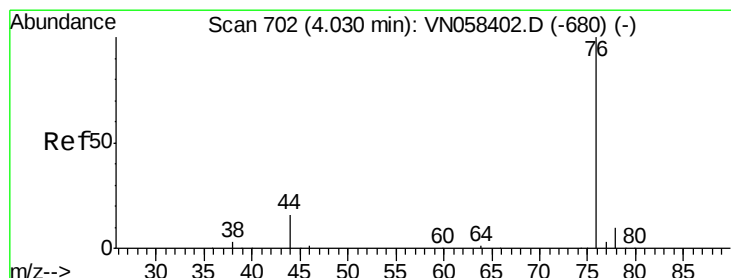
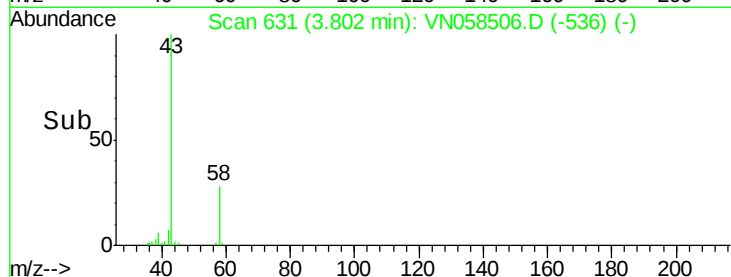
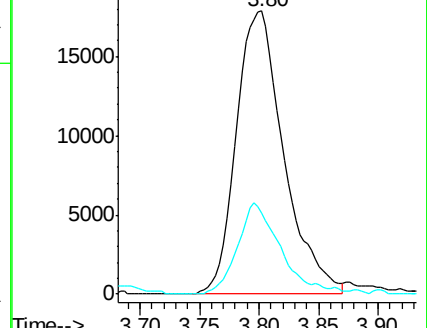
43 100

58 28.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-592) (-)



#17

Carbon Disulfide

Concen: 0.346 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058506.D

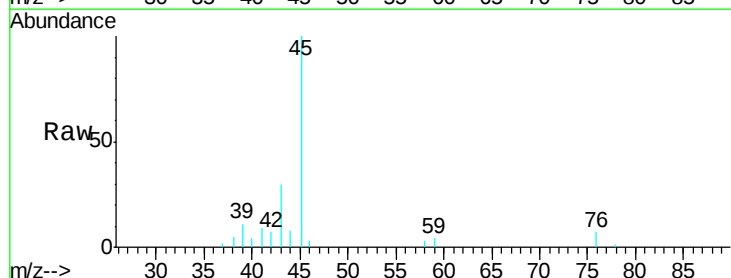
Acq: 3 Oct 2019 13:53

Tgt Ion: 76 Resp: 2586

Ion Ratio Lower Upper

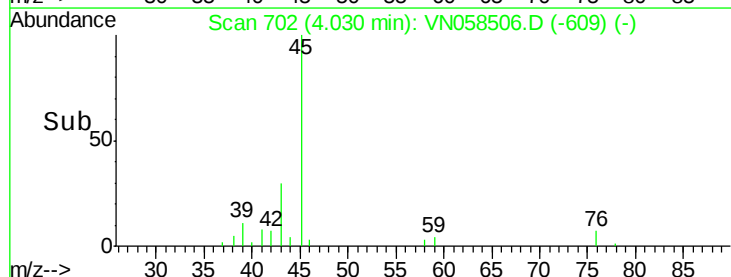
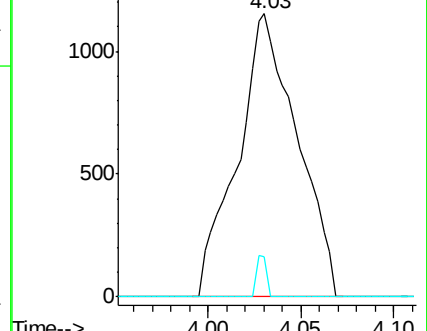
76 100

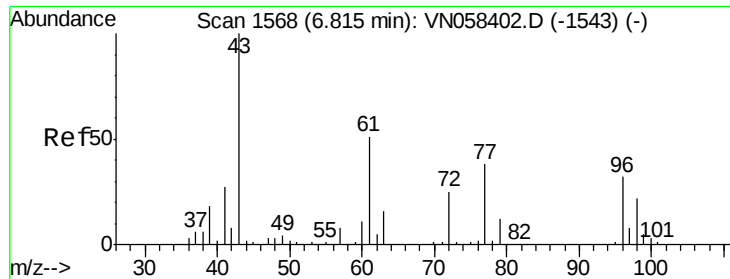
78 14.1 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN058402.D (-680) (-)

Ion 77.90 (77.60 to 78.60): VN058402.D (-680) (-)





#25

2-Butanone

Concen: 1.471 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

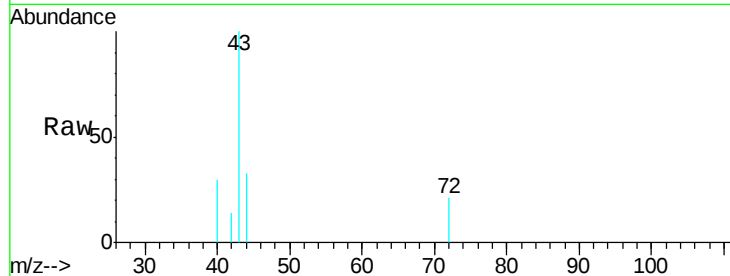
TP-1-GROUNDWATER

Tgt Ion: 43 Resp: 3027

Ion Ratio Lower Upper

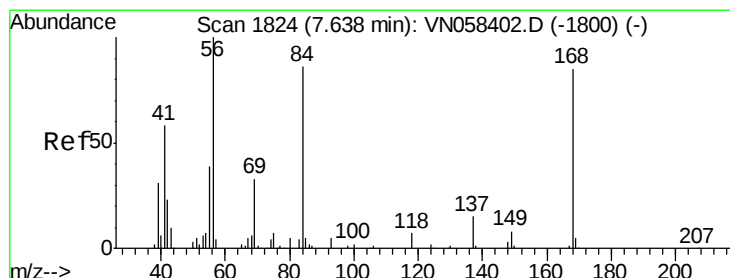
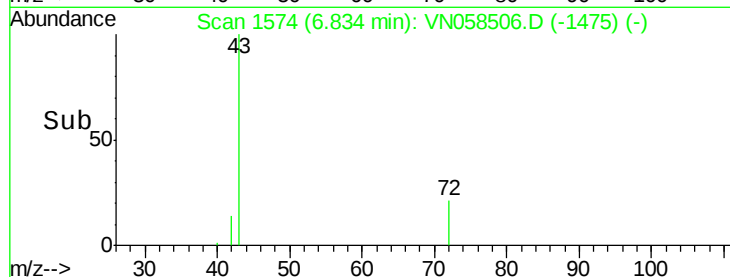
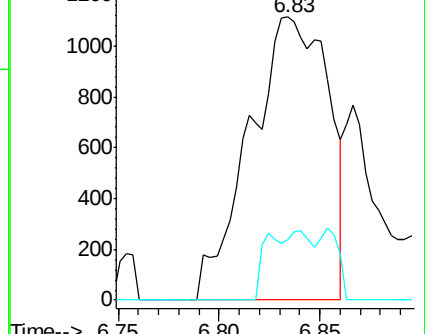
43 100

72 21.3 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.357 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

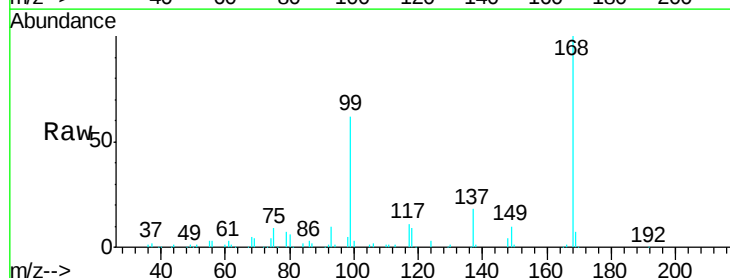
Tgt Ion: 56 Resp: 8261

Ion Ratio Lower Upper

56 100

69 149.8 26.2 39.4#

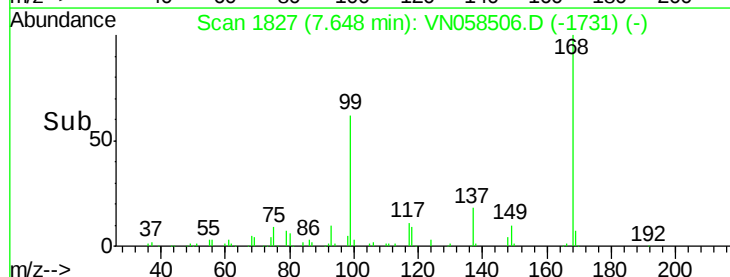
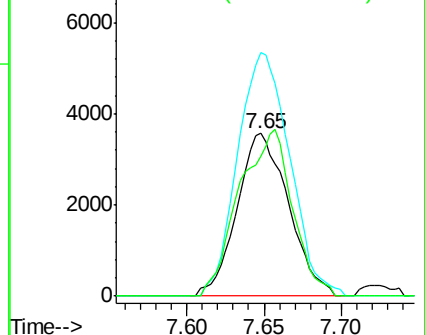
84 86.0 67.6 101.4

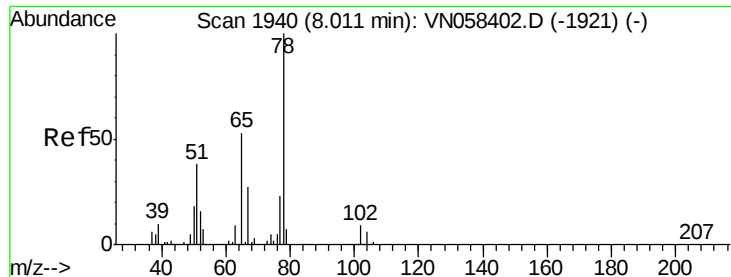


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

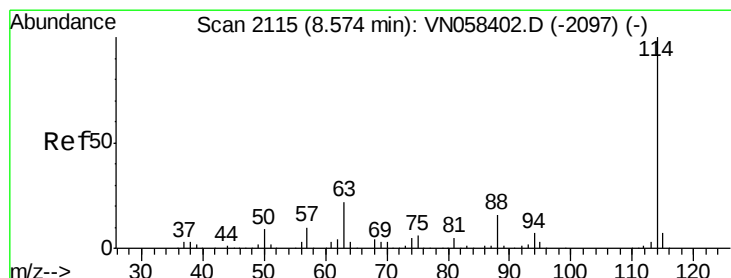
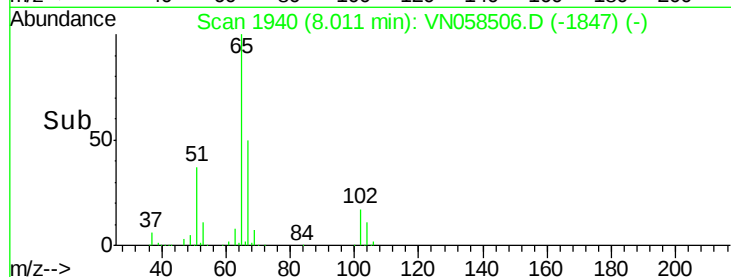
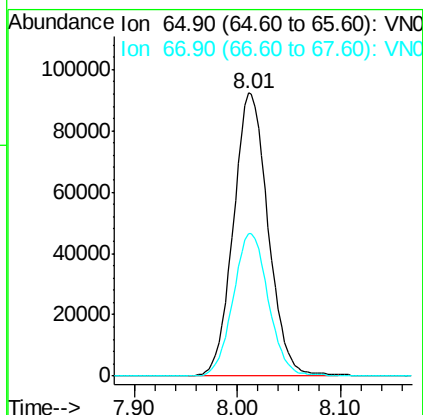
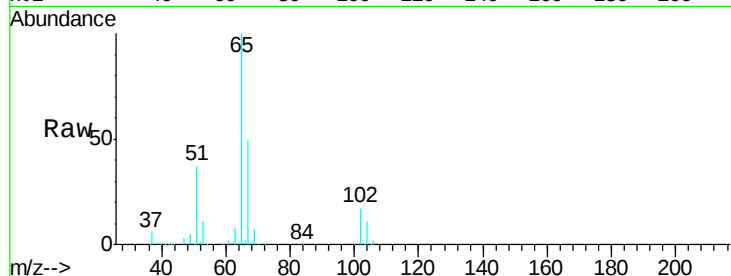




#33
 1,2-Dichloroethane-d4
 Concen: 49.255 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058506.D
 Acq: 3 Oct 2019 13:53

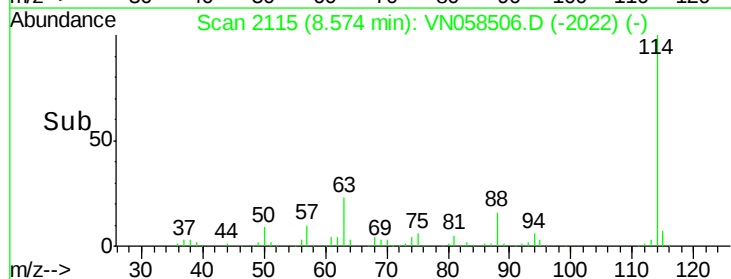
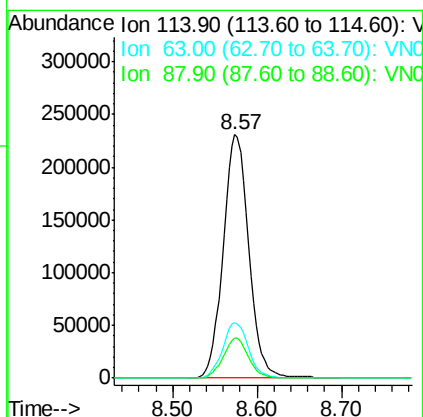
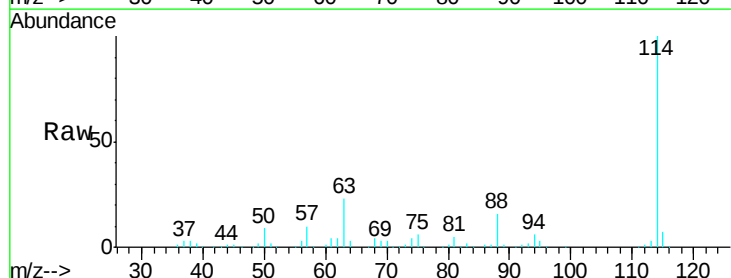
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 TP-1-GROUNDWATER

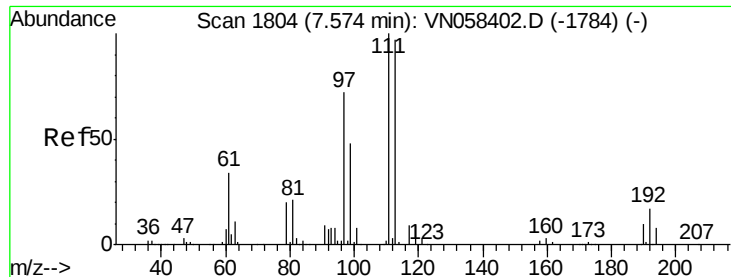
Tgt Ion: 65 Resp: 216632
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058506.D
 Acq: 3 Oct 2019 13:53

Tgt Ion: 114 Resp: 487019
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.0
 88 16.4 0.0 32.2

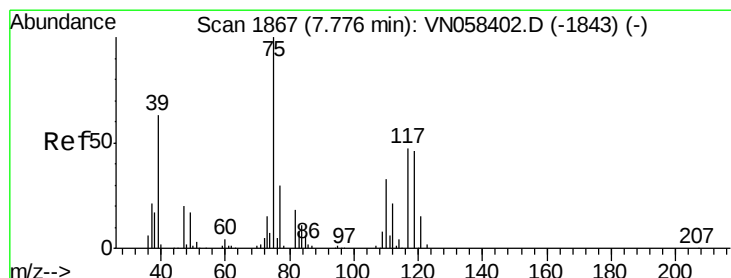
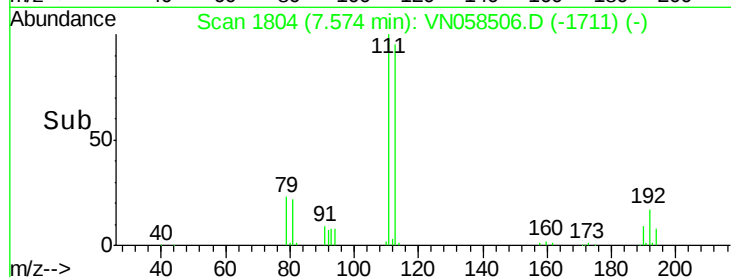
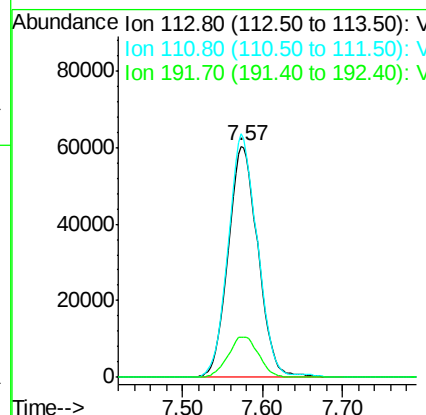
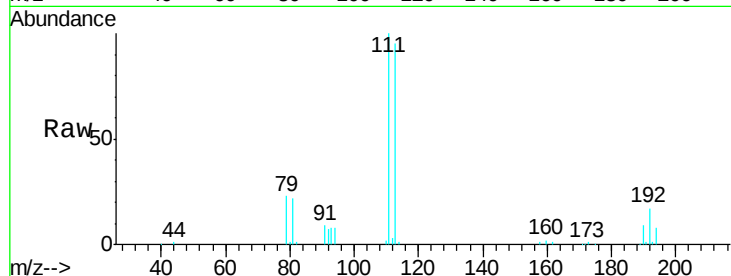




#35
Dibromofluoromethane
Concen: 51.337 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058506.D
Acq: 3 Oct 2019 13:53

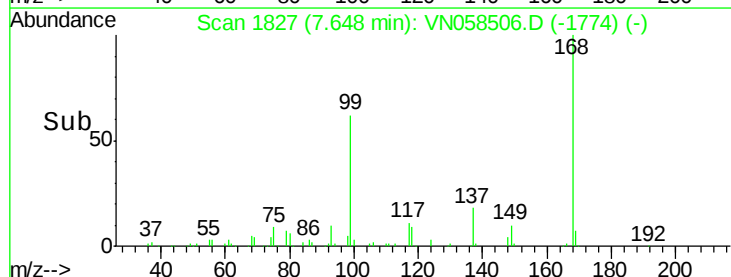
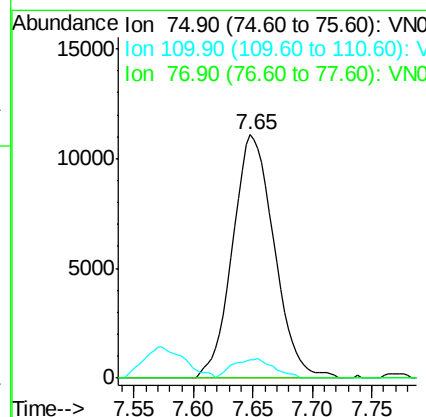
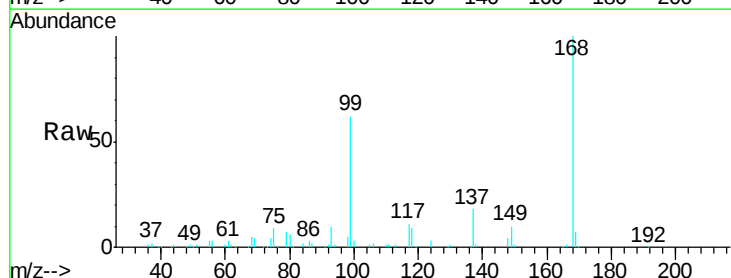
Instrument :
MSVOA_N
ClientSampleId :
TP-1-GROUNDWATER

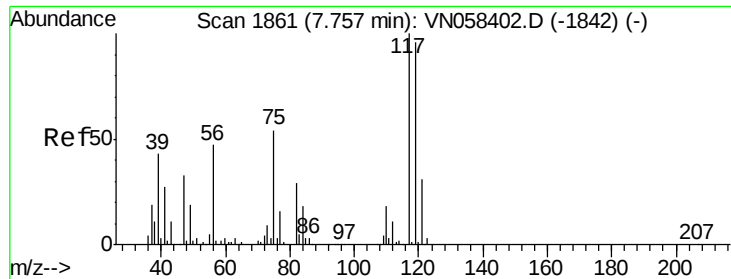
Tgt Ion:113 Resp: 153235
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.2
192 17.8 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.768 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.13 min
Lab File: VN058506.D
Acq: 3 Oct 2019 13:53

Tgt Ion: 75 Resp: 26861
Ion Ratio Lower Upper
75 100
110 7.8 16.4 49.2#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.613 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

TP-1-GROUNDWATER

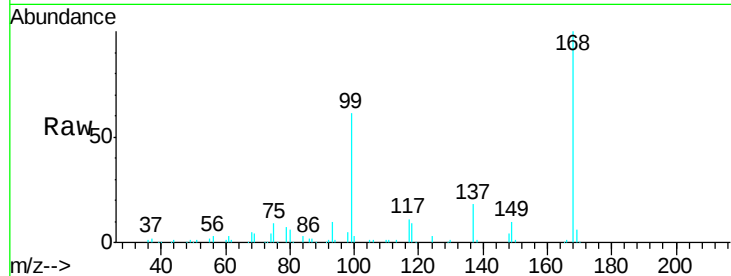
Tgt Ion:117 Resp: 32003

Ion Ratio Lower Upper

117 100

119 4.4 76.6 115.0#

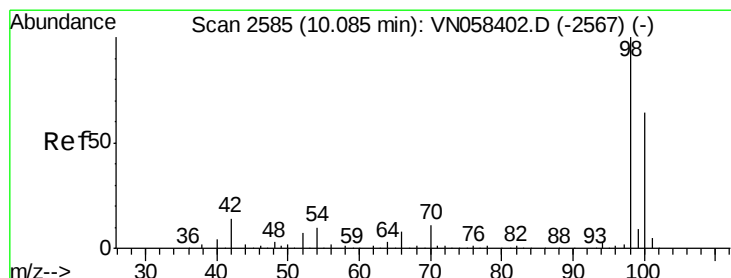
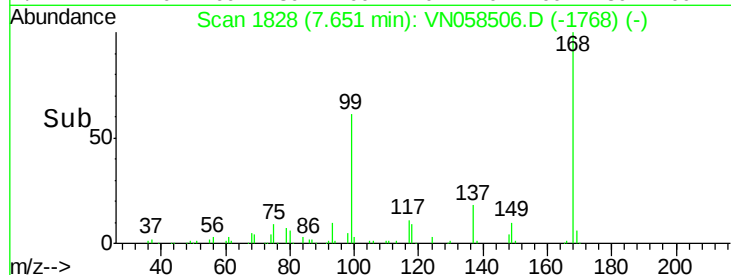
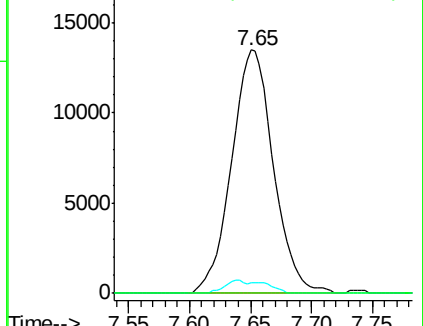
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.516 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058506.D

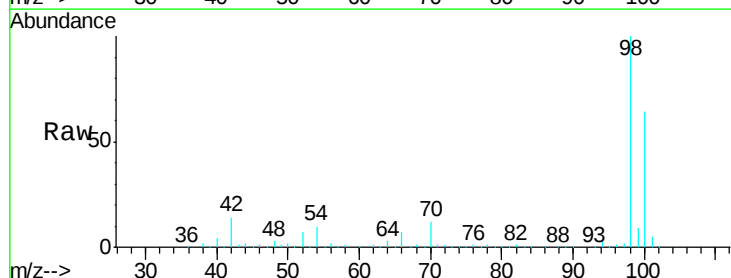
Acq: 3 Oct 2019 13:53

Tgt Ion: 98 Resp: 602378

Ion Ratio Lower Upper

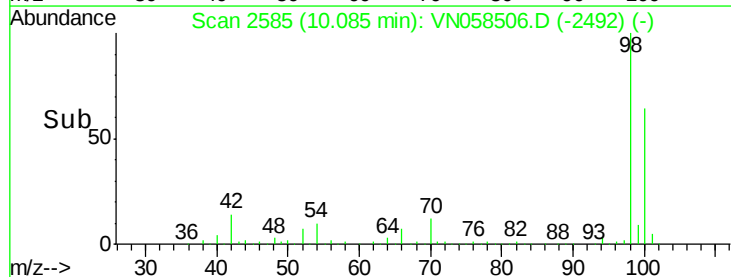
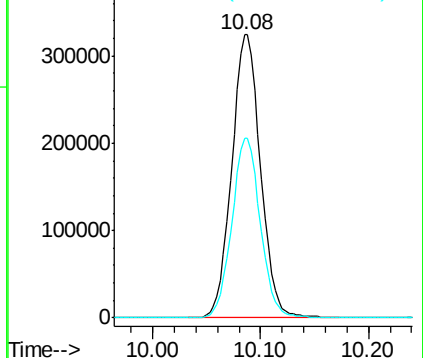
98 100

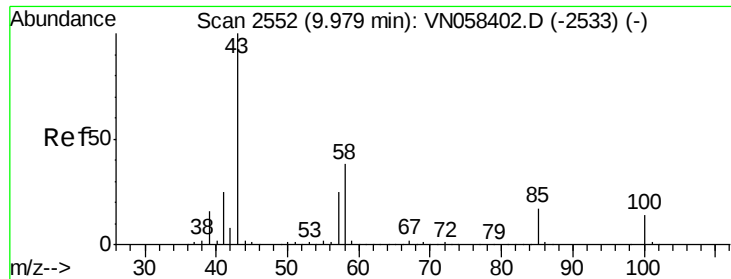
100 62.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.479 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

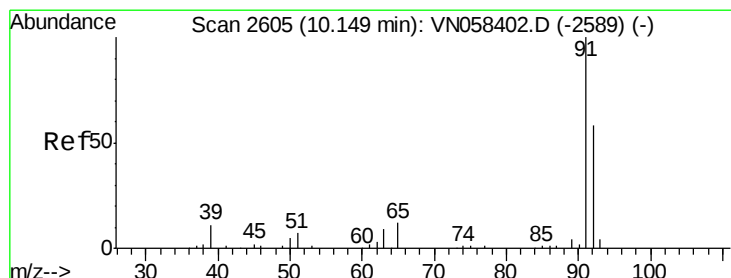
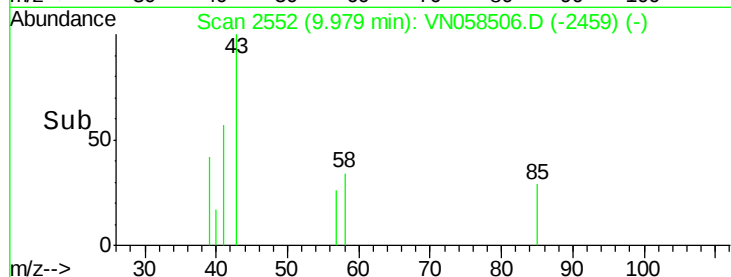
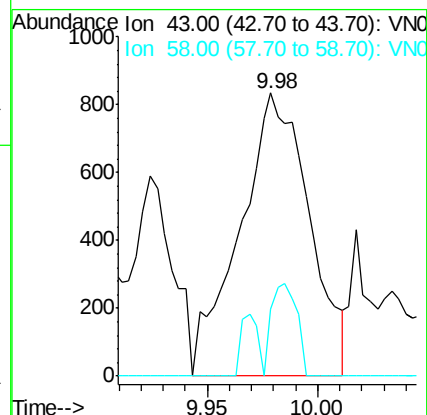
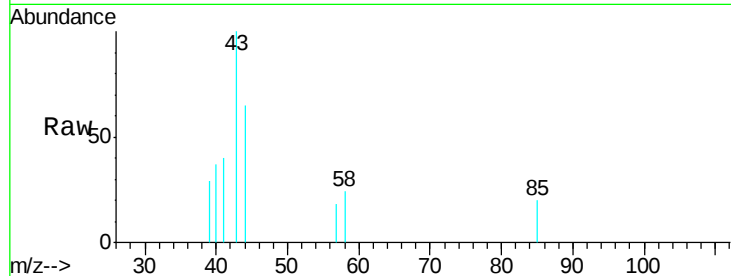
TP-1-GROUNDWATER

Tgt Ion: 43 Resp: 1826

Ion Ratio Lower Upper

43 100

58 12.0 30.2 45.2#



#52

Toluene

Concen: 0.215 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058506.D

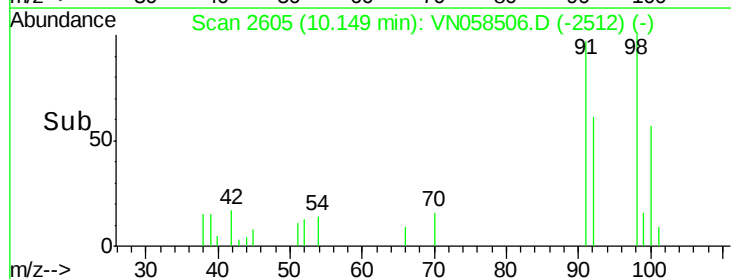
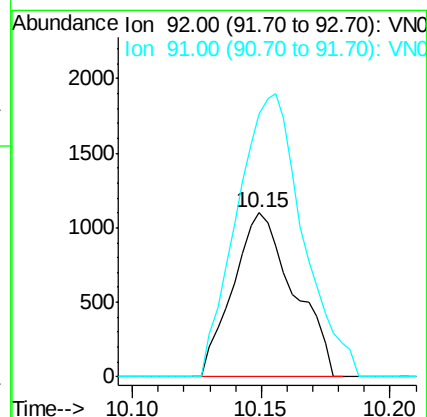
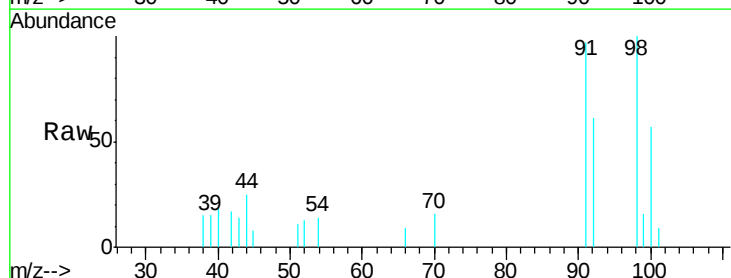
Acq: 3 Oct 2019 13:53

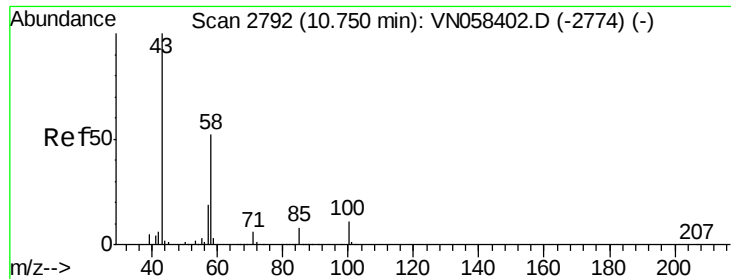
Tgt Ion: 92 Resp: 1811

Ion Ratio Lower Upper

92 100

91 186.9 140.2 210.4

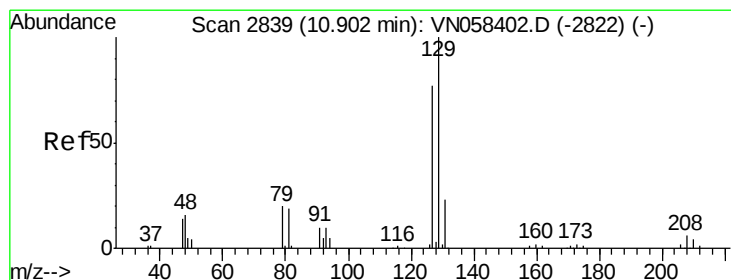
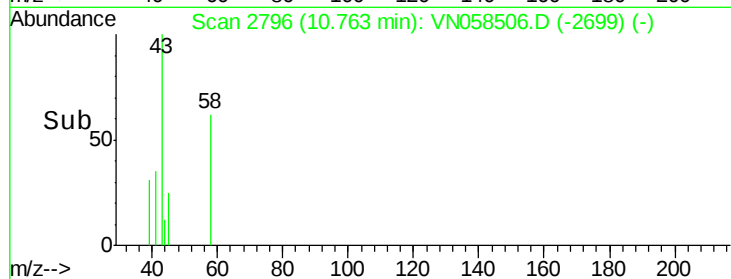
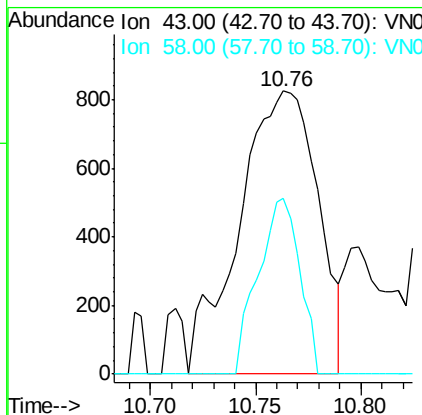
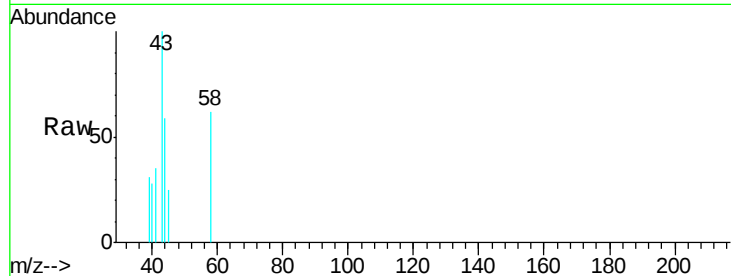




#59
2-Hexanone
Concen: 0.774 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058506.D
Acq: 3 Oct 2019 13:53

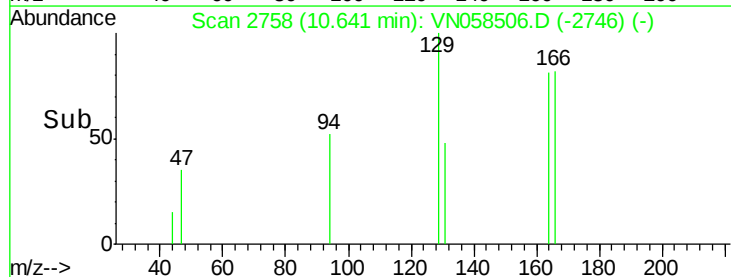
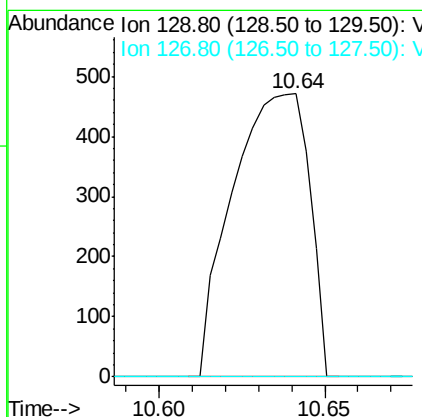
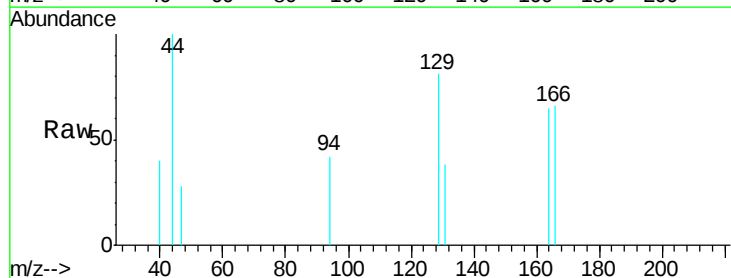
Instrument :
MSVOA_N
ClientSampleId :
TP-1-GROUNDWATER

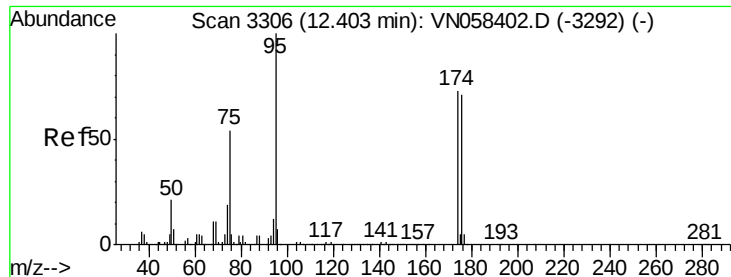
Tgt Ion: 43 Resp: 2148
Ion Ratio Lower Upper
43 100
58 32.7 25.8 77.3



#60
Dibromochloromethane
Concen: Below Cal
RT: 10.64 min Scan# 2758
Delta R.T. -0.26 min
Lab File: VN058506.D
Acq: 3 Oct 2019 13:53

Tgt Ion: 129 Resp: 759
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 41.505 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

TP-1-GROUNDWATER

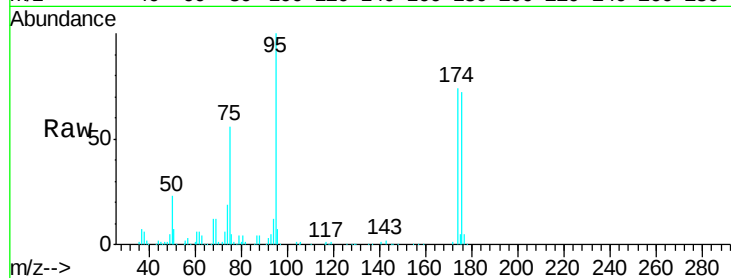
Tgt Ion: 95 Resp: 175481

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.6

176 72.7 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

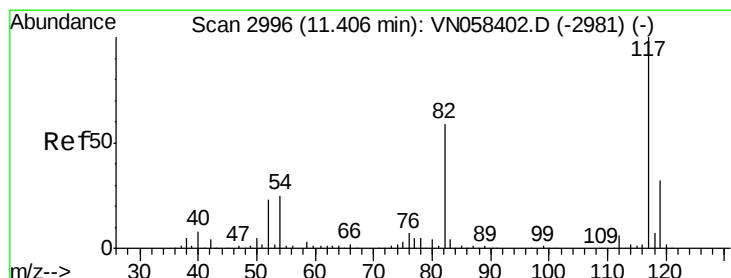
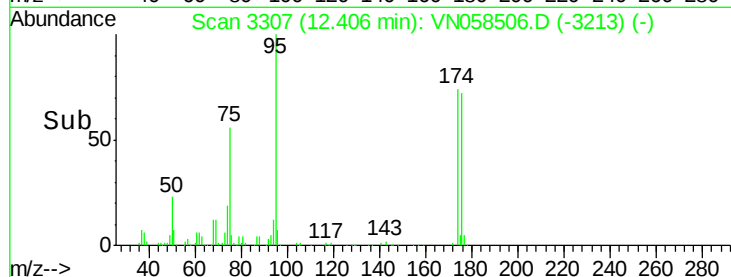
12.41

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

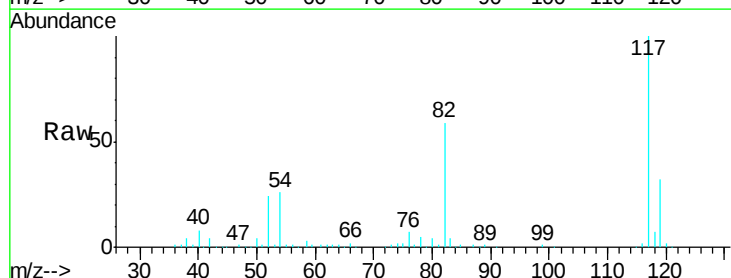
Tgt Ion: 117 Resp: 405980

Ion Ratio Lower Upper

117 100

82 59.3 47.4 71.0

119 31.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

11.41

300000

250000

200000

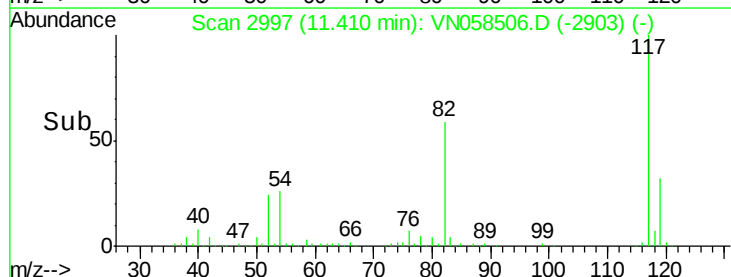
150000

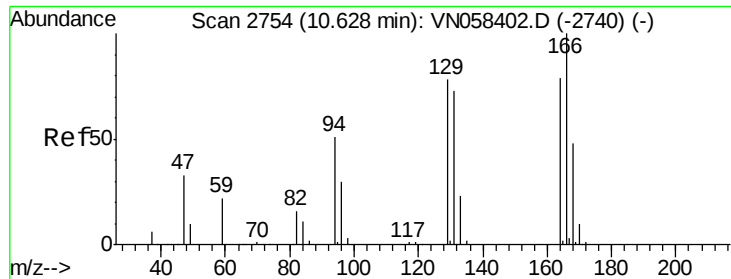
100000

50000

0

Time-->





#64

Tetrachloroethene

Concen: 0.346 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

TP-1-GROUNDWATER

Tgt Ion:164 Resp: 893

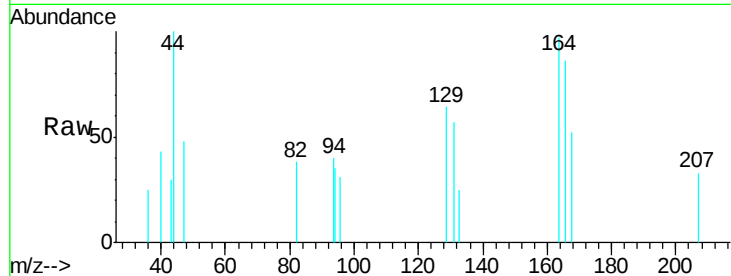
Ion Ratio Lower Upper

164 100

166 88.6 101.1 151.7#

129 65.7 79.2 118.8#

131 58.6 74.1 111.1#

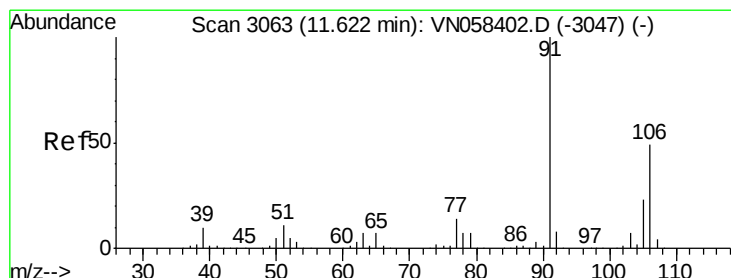
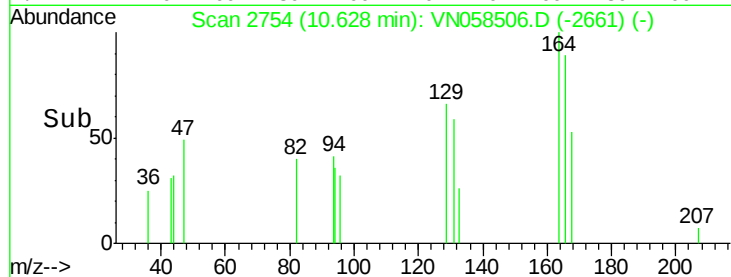
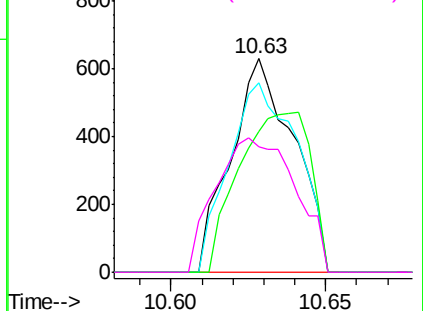


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 0.410 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058506.D

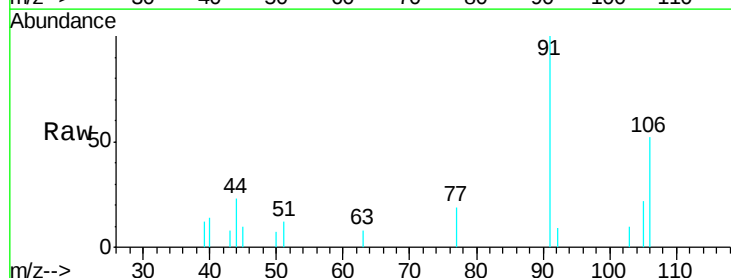
Acq: 3 Oct 2019 13:53

Tgt Ion:106 Resp: 2255

Ion Ratio Lower Upper

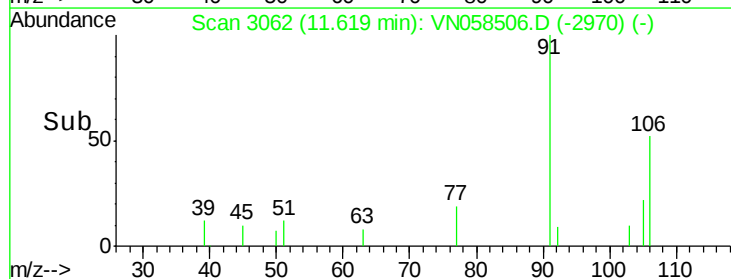
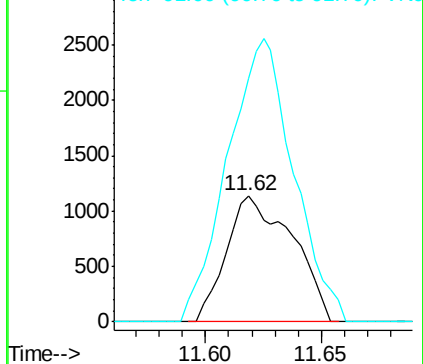
106 100

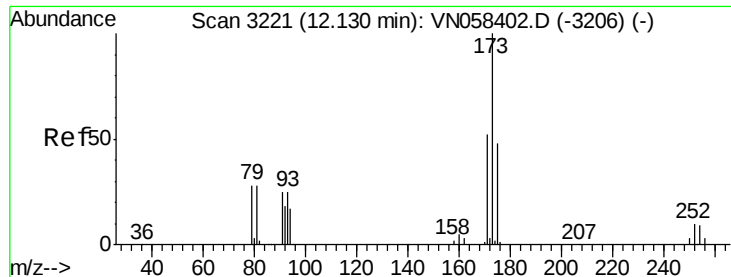
91 223.8 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#71

Bromoform

Concen: 0.991 ug/l

RT: 12.41 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

TP-1-GROUNDWATER

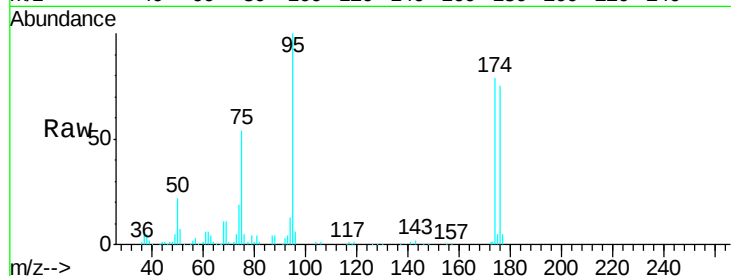
Tgt Ion:173 Resp: 564

Ion Ratio Lower Upper

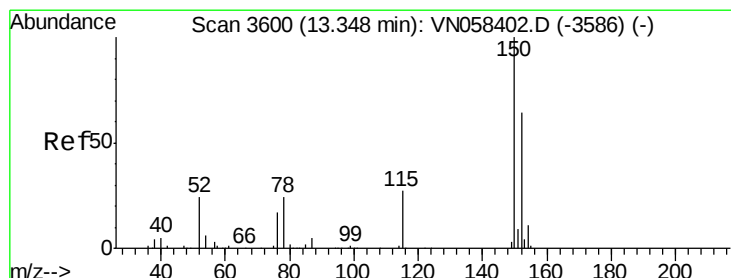
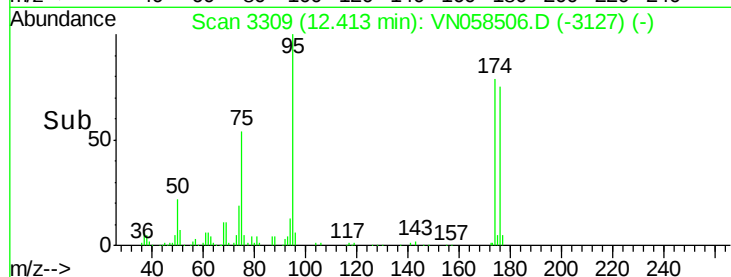
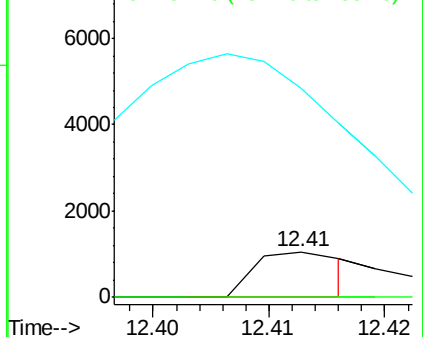
173 100

175 1432.3 24.3 73.0#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

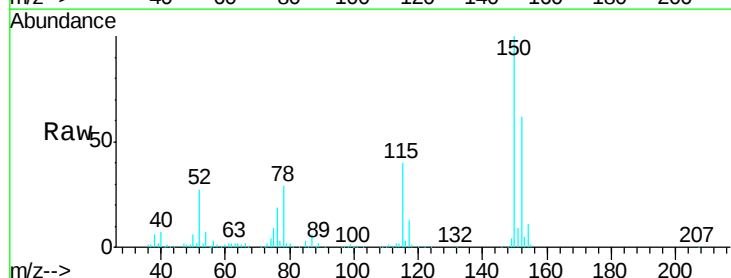
Tgt Ion:152 Resp: 140060

Ion Ratio Lower Upper

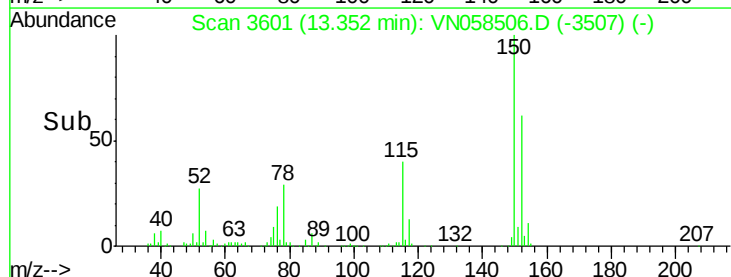
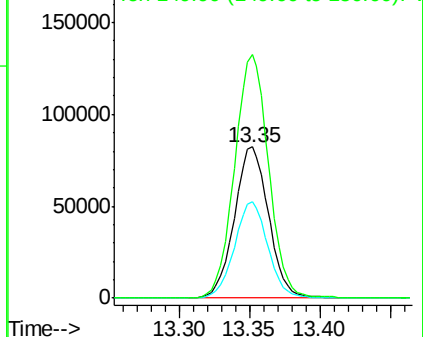
152 100

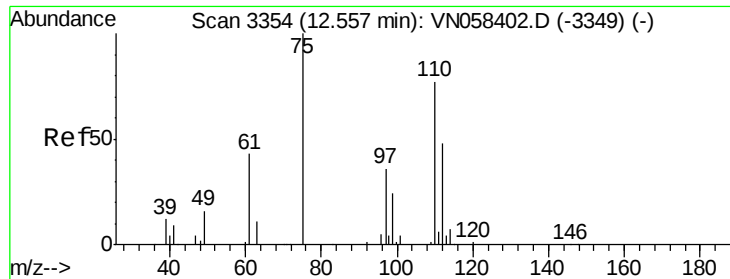
115 62.0 30.0 90.0

150 159.7 0.0 348.2



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

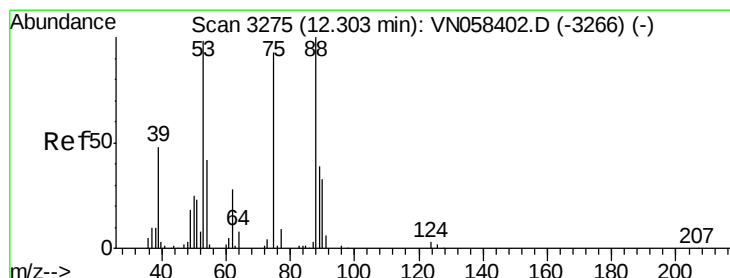
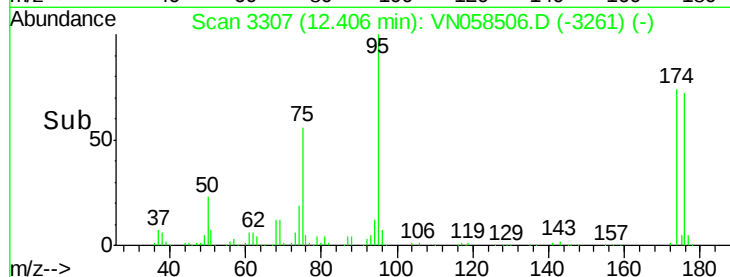
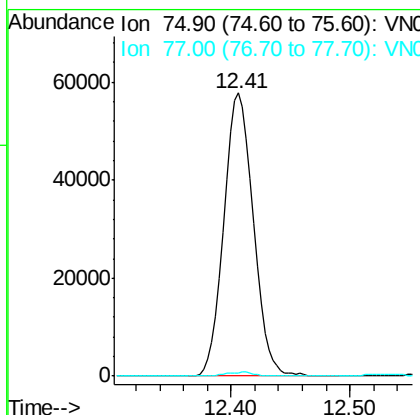
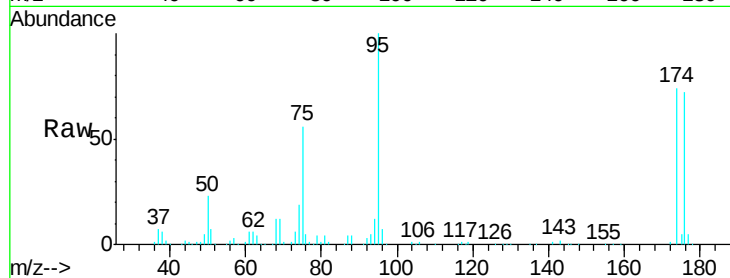




#76
 1,2,3-Trichloropropane
 Concen: 38.841 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN058506.D
 Acq: 3 Oct 2019 13:53

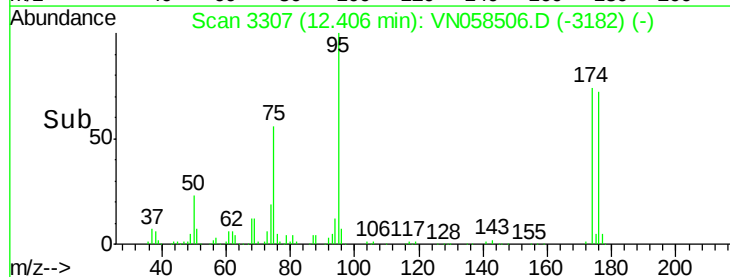
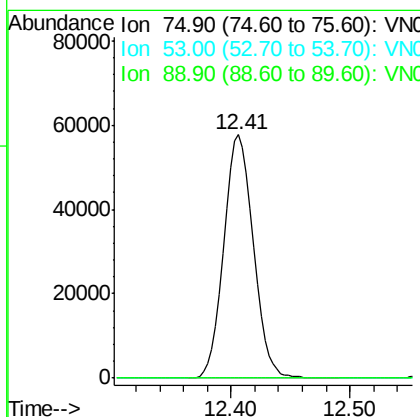
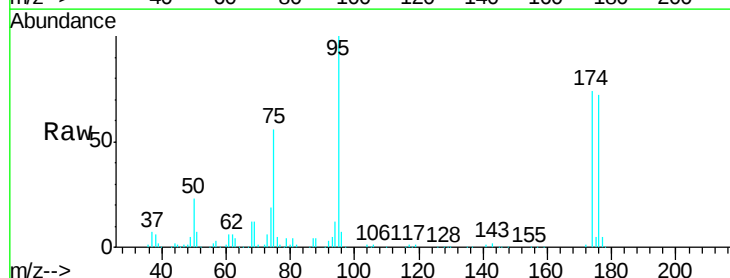
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-GROUNDWATER

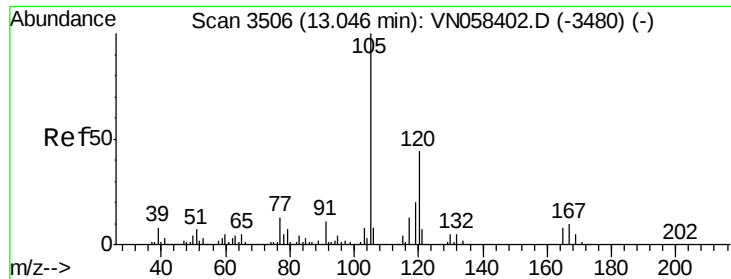
Tgt Ion: 75 Resp: 99363
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.965 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058506.D
 Acq: 3 Oct 2019 13:53

Tgt Ion: 75 Resp: 99363
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.4 128.0#
 89 0.0 35.0 52.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.243 ug/l

RT: 13.05 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

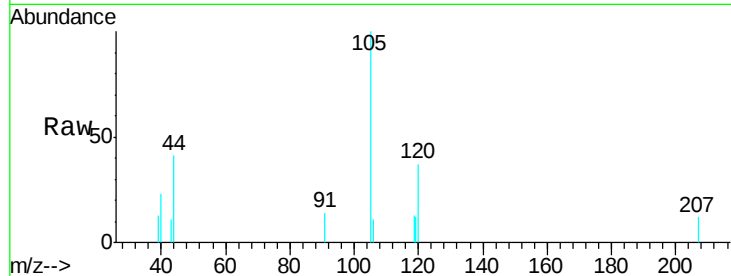
TP-1-GROUNDWATER

Tgt Ion:105 Resp: 2111

Ion Ratio Lower Upper

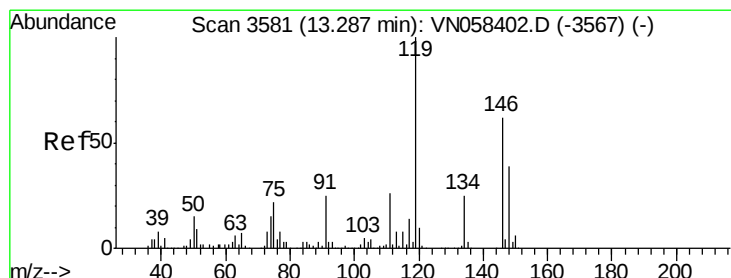
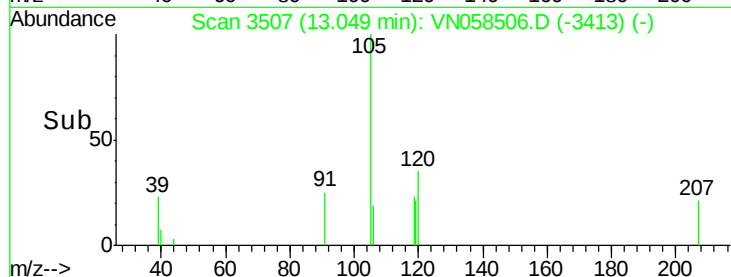
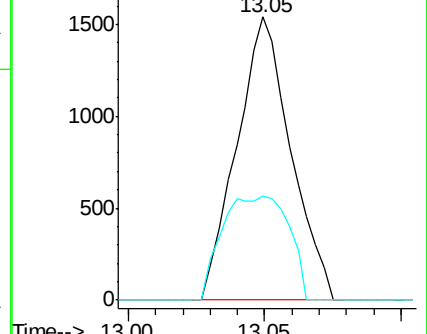
105 100

120 45.3 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#87

1,3-Dichlorobenzene

Concen: 0.209 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.01 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

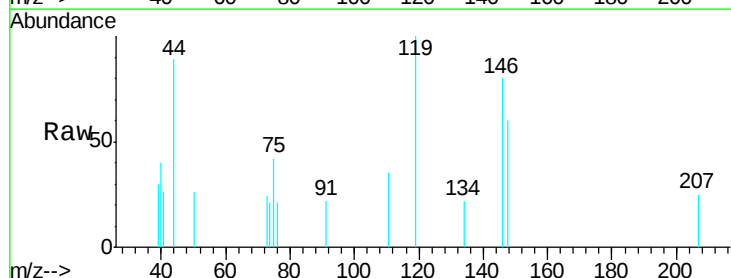
Tgt Ion:146 Resp: 921

Ion Ratio Lower Upper

146 100

111 50.1 20.8 62.4

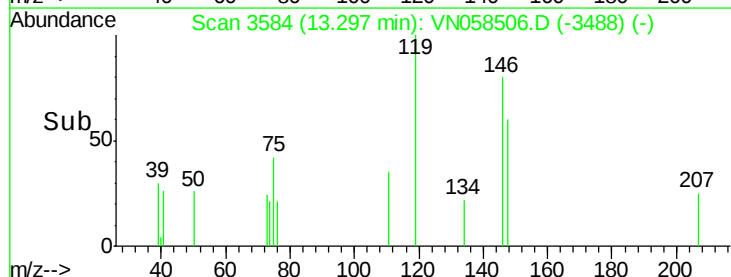
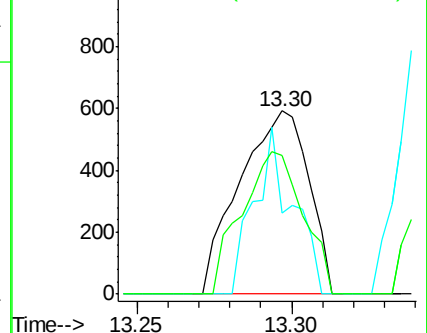
148 69.1 31.4 94.3

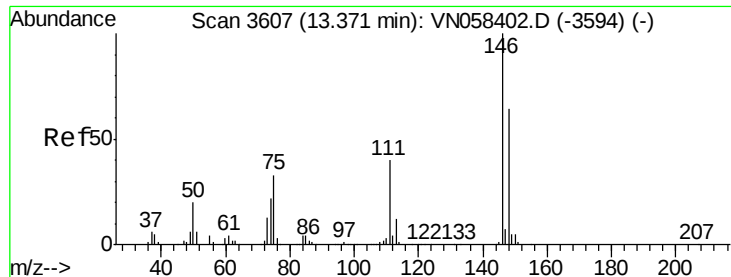


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.210 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.07 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

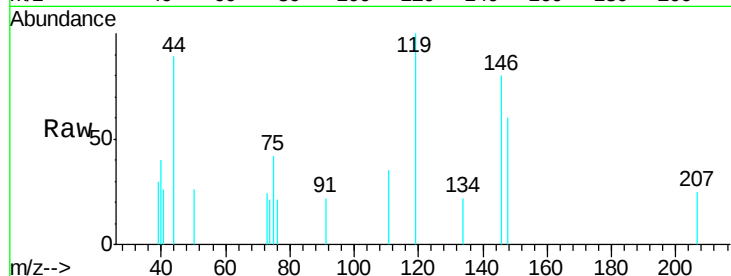
Instrument :

MSVOA_N

ClientSampleId :

TP-1-GROUNDWATER

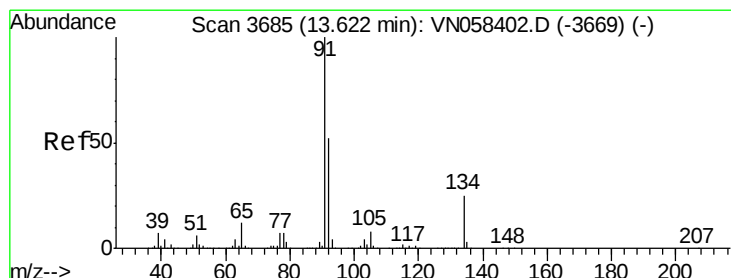
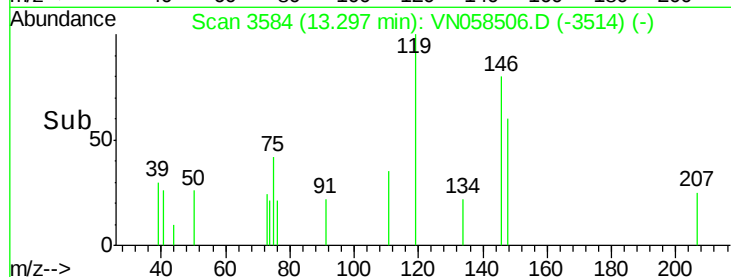
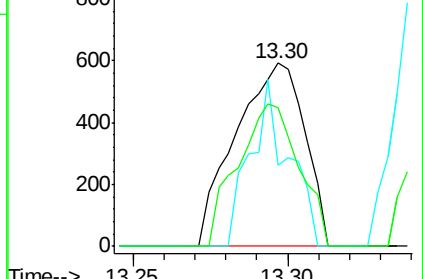
Tgt Ion:	146	Resp:	921
Ion	Ratio	Lower	Upper
146	100		
111	50.1	20.5	61.6
148	69.1	31.5	94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.315 ug/l

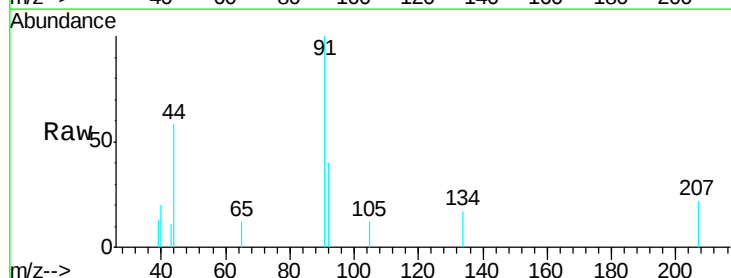
RT: 13.62 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

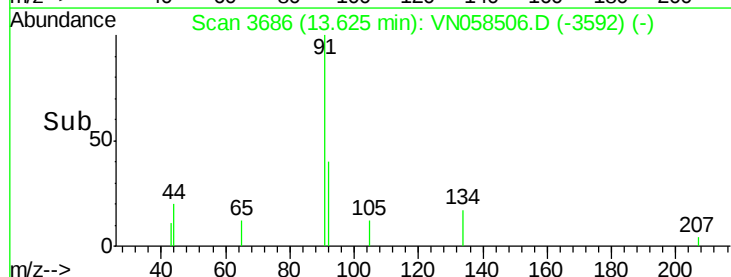
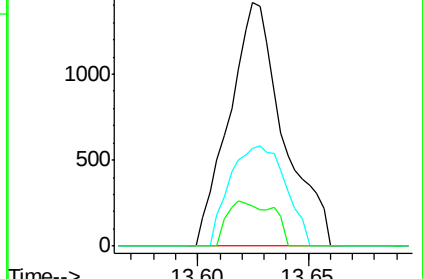
Tgt Ion:	91	Resp:	2414
Ion	Ratio	Lower	Upper
91	100		
92	42.4	25.7	77.1
134	15.7	12.2	36.6

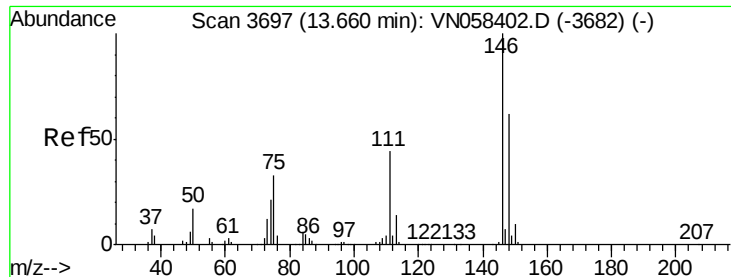


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

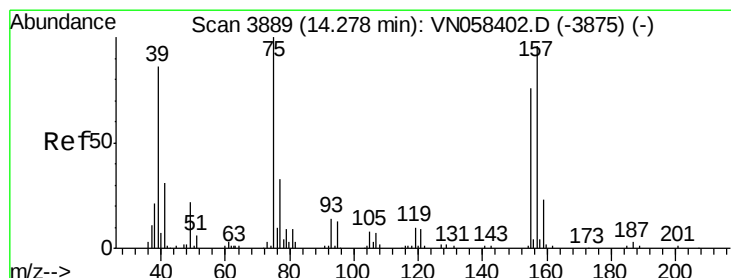
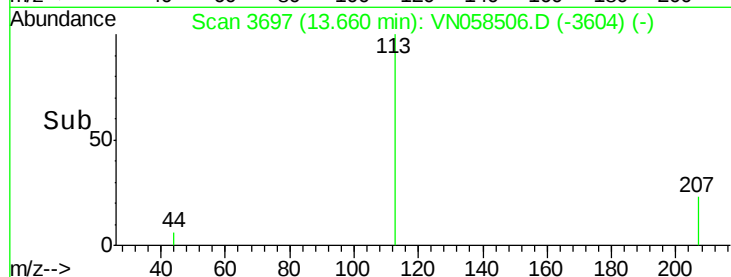
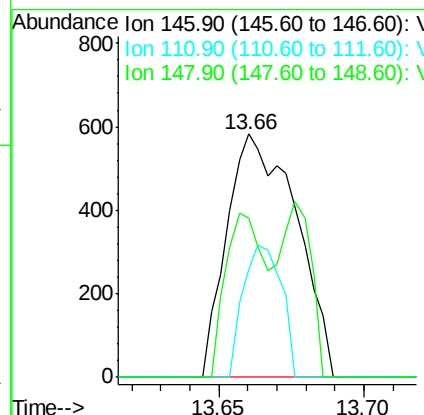
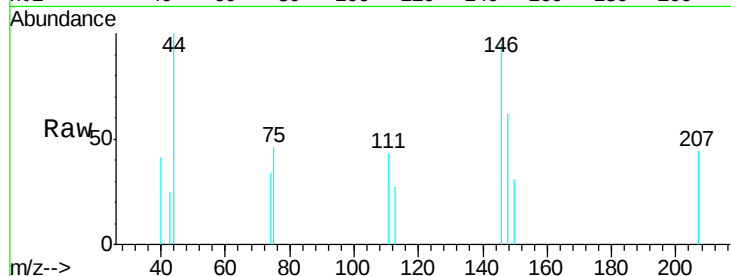




#91
 1,2-Dichlorobenzene
 Concen: 0.229 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058506.D
 Acq: 3 Oct 2019 13:53

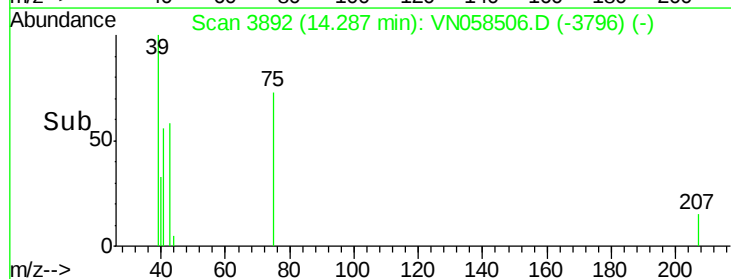
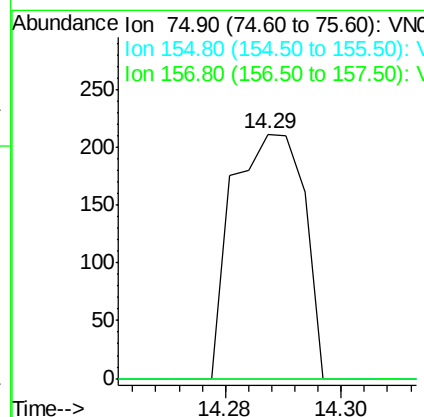
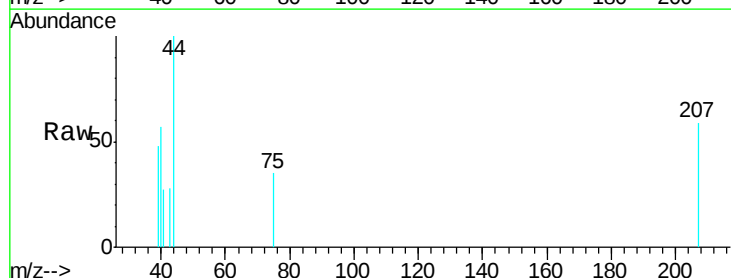
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-GROUNDWATER

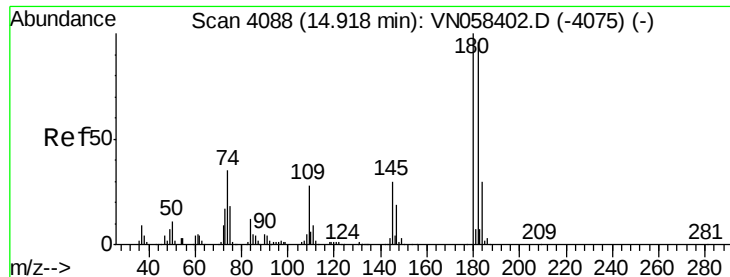
Tgt Ion:146 Resp: 970
 Ion Ratio Lower Upper
 146 100
 111 30.1 21.8 65.3
 148 36.8 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.335 ug/l
 RT: 14.29 min Scan# 3892
 Delta R.T. 0.01 min
 Lab File: VN058506.D
 Acq: 3 Oct 2019 13:53

Tgt Ion: 75 Resp: 181
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.2 117.6#
 157 0.0 48.7 146.1#

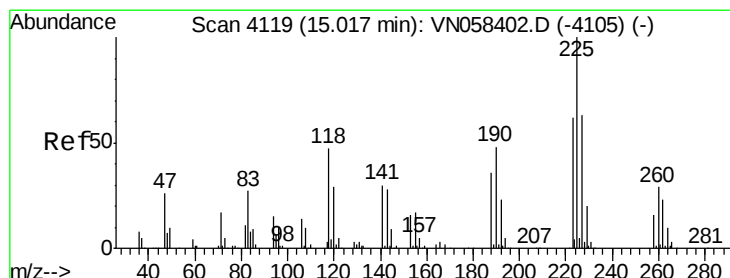
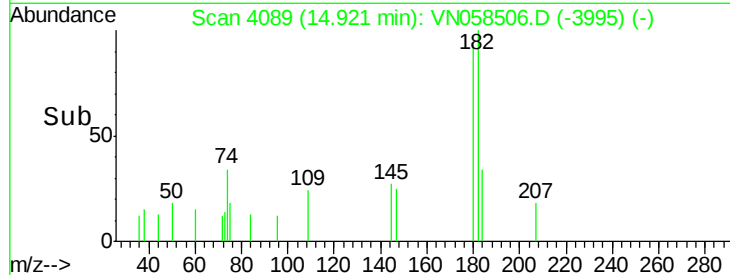
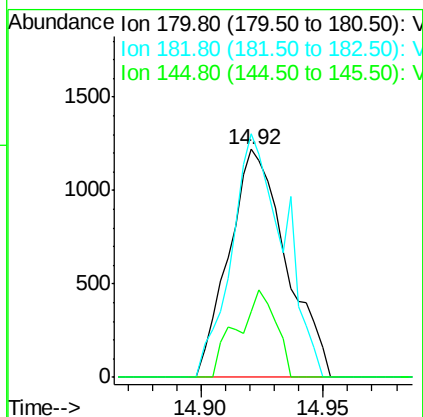
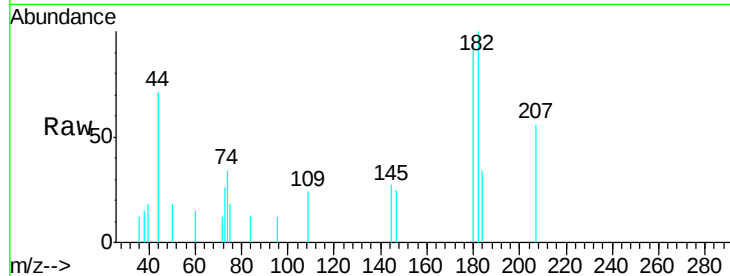




#93
 1,2,4-Trichlorobenzene
 Concen: 0.848 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058506.D
 Acq: 3 Oct 2019 13:53

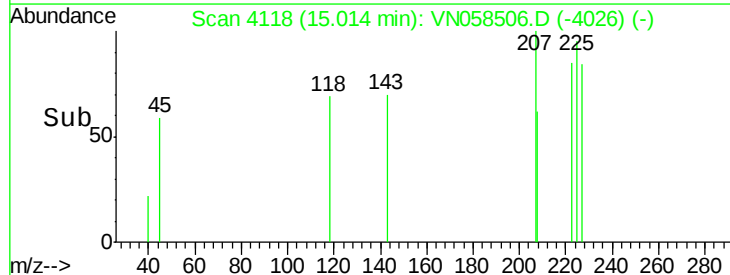
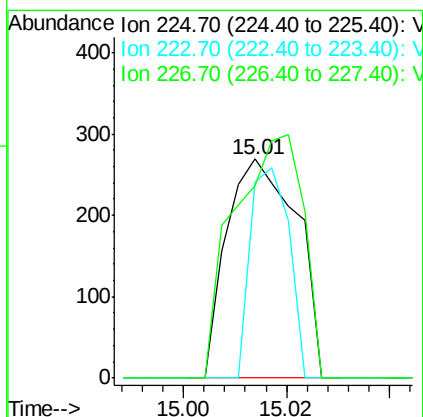
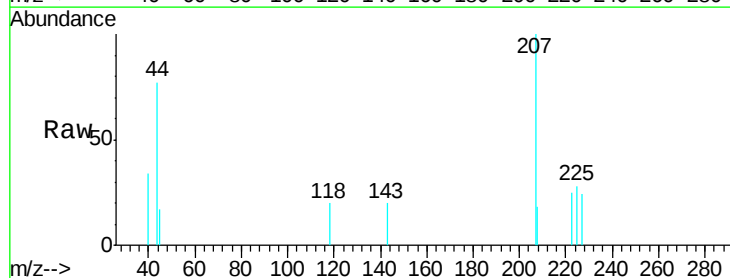
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-GROUNDWATER

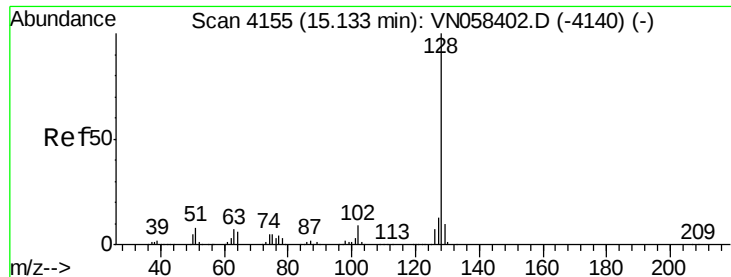
Tgt Ion:180 Resp: 1981
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.4 142.3
 145 25.9 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 0.211 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058506.D
 Acq: 3 Oct 2019 13:53

Tgt Ion:225 Resp: 253
 Ion Ratio Lower Upper
 225 100
 223 53.0 31.1 93.5
 227 109.1 31.4 94.2#





#95

Naphthalene

Concen: 1.394 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

TP-1-GROUNDWATER

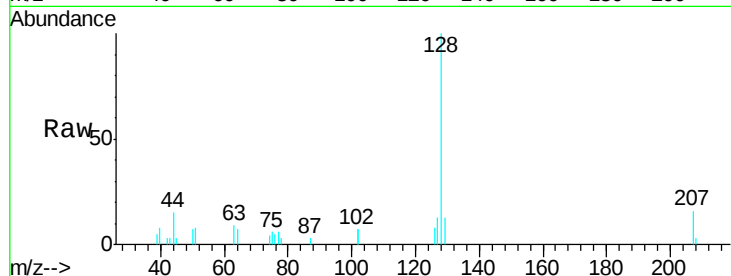
Tgt Ion:128 Resp: 9731

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

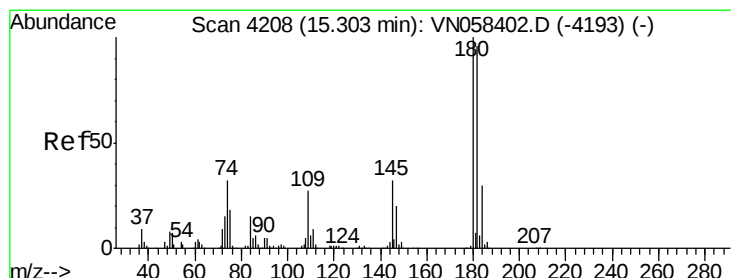
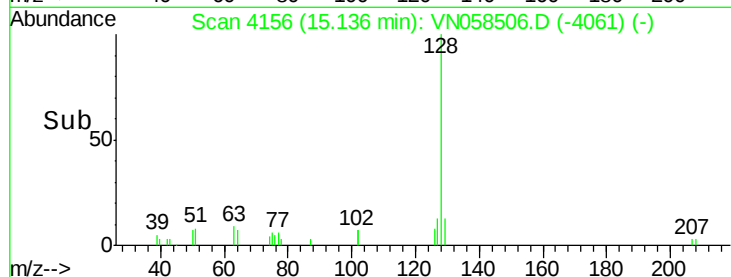
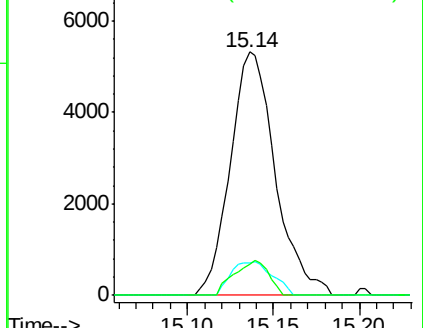
129 10.9 8.3 12.5



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: 1.088 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.00 min

Lab File: VN058506.D

Acq: 3 Oct 2019 13:53

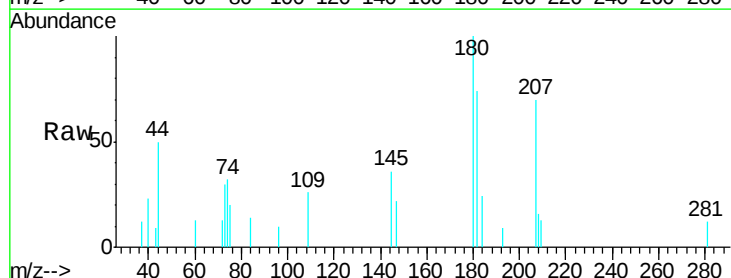
Tgt Ion:180 Resp: 2606

Ion Ratio Lower Upper

180 100

182 92.7 48.3 144.9

145 40.2 16.1 48.3



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

