

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052254.D
 Acq On : 12 Nov 2018 11:13
 Operator : MD\SY
 Sample : J5907-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-GW

Quant Time: Nov 13 00:12:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	345056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	566331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	470290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	217801	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	7.59	113	180649	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.09	98	699171	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	203557	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	

Target Compounds

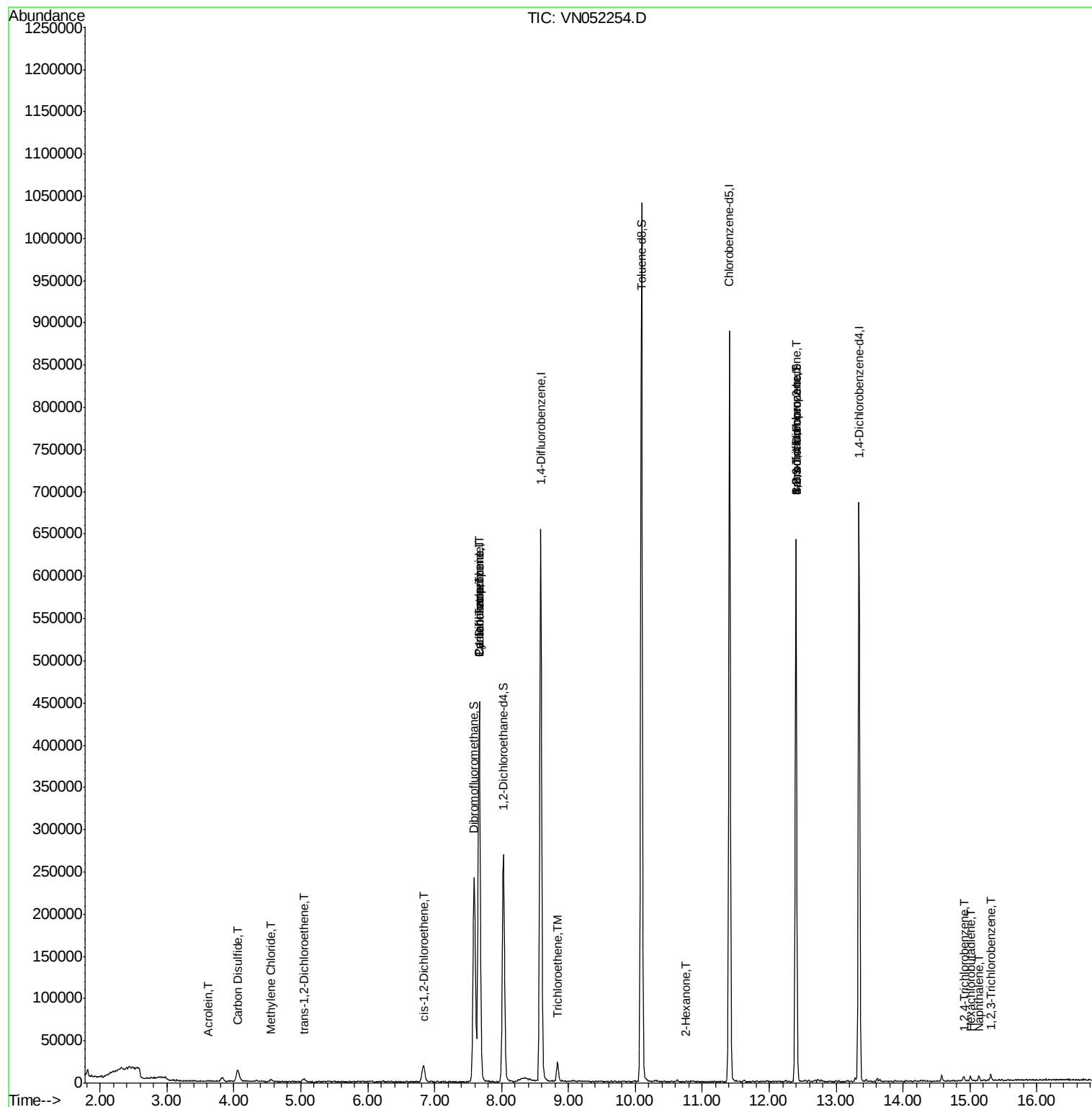
					Qvalue
13) Acrolein	3.62	56	363	34.934 ug/l	93
16) Acetone	3.82	43	7064	Below Cal	93
17) Carbon Disulfide	4.06	76	3451	0.330 ug/l #	75
20) Methylene Chloride	4.55	84	1299	0.302 ug/l #	58
21) trans-1,2-Dichloroethene	5.05	96	1425	0.363 ug/l #	79
27) cis-1,2-Dichloroethene	6.83	96	10782	2.457 ug/l	86
31) Cyclohexane	7.66	56	9385	0.605 ug/l #	38
36) 1,1-Dichloropropene	7.66	75	30819	5.391 ug/l #	51
38) Carbon Tetrachloride	7.67	117	34734	6.705 ug/l #	16
44) Trichloroethene	8.84	130	7814	1.905 ug/l	98
59) 2-Hexanone	10.76	43	840	0.289 ug/l #	52
71) Bromoform	12.39	173	566	0.281 ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	110226	37.360 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	110226	127.526 ug/l #	8
93) 1,2,4-Trichlorobenzene	14.91	180	1883	0.878 ug/l	91
94) Hexachlorobutadiene	15.01	225	772	0.663 ug/l	86
95) Naphthalene	15.13	128	4258	0.806 ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	1945	0.960 ug/l	95

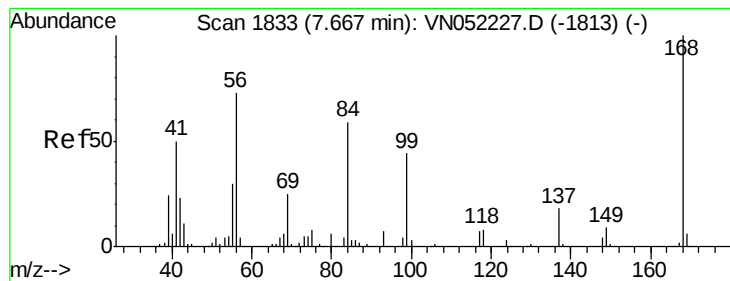
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052254.D

Acq: 12 Nov 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

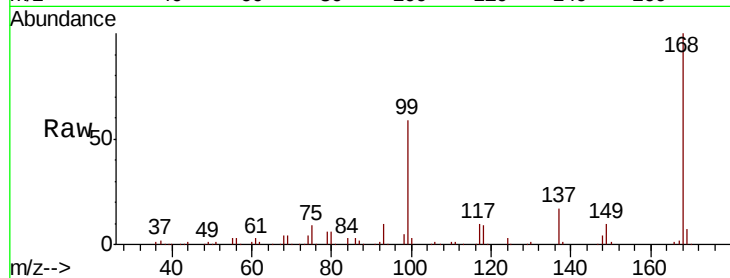
TP-3-GW

Tot Ion:168 Resp: 345056

Ion Ratio Lower Upper

168 100

99 58.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

100000

50000

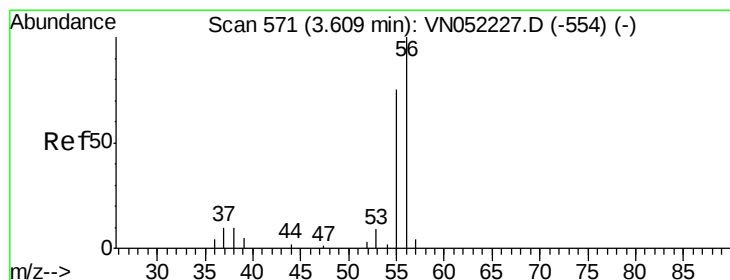
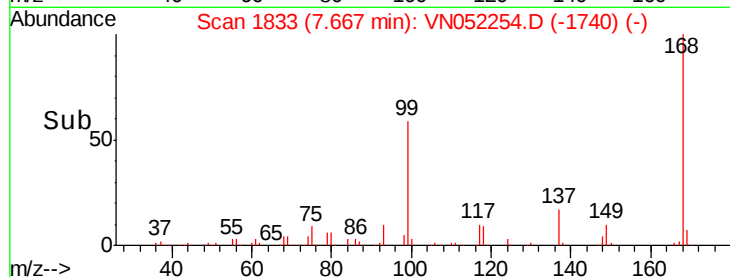
0

Time-->

7.60

7.70

7.80



#13

Acrolein

Concen: 34.934 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052254.D

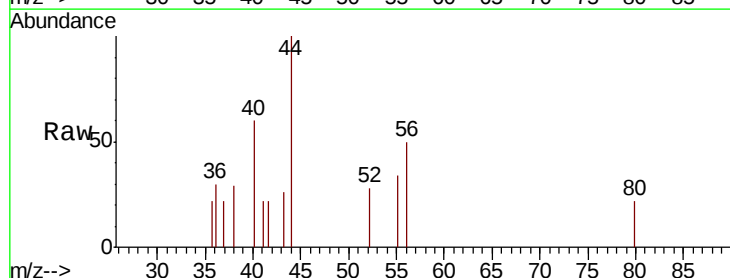
Acq: 12 Nov 2018 11:13

Tgt Ion: 56 Resp: 363

Ion Ratio Lower Upper

56 100

55 68.6 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.62

400

300

200

100

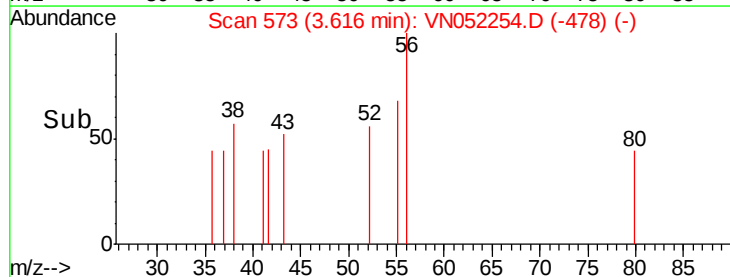
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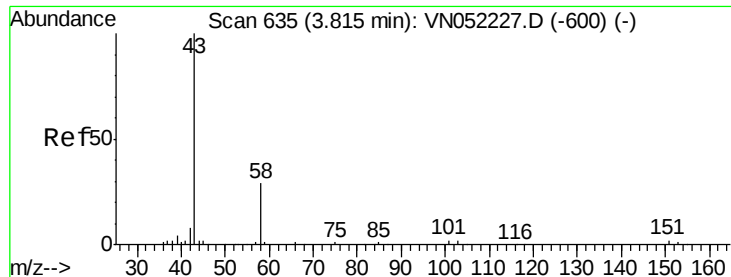
Time-->

3.60

3.62

3.64





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052254.D

Acq: 12 Nov 2018 11:13

Instrument :

MSVOA_N

ClientSampled :

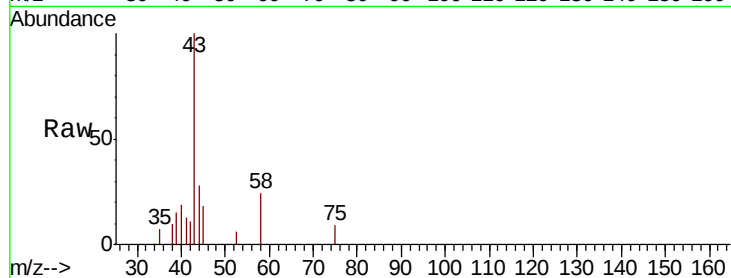
TP-3-GW

Tot Ion: 43 Resp: 7064

Ion Ratio Lower Upper

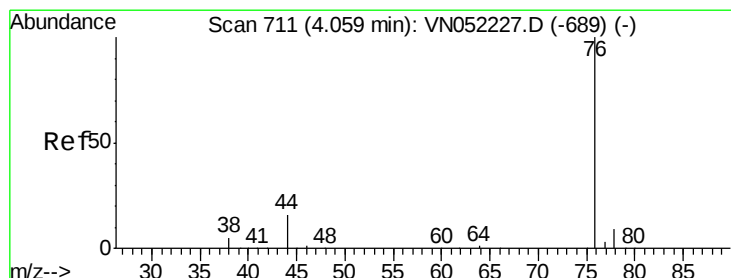
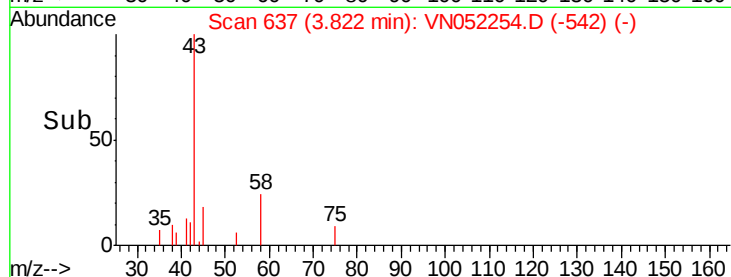
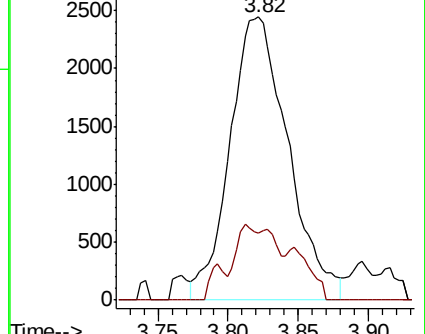
43 100

58 25.2 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-600) (-)



#17

Carbon Disulfide

Concen: 0.330 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052254.D

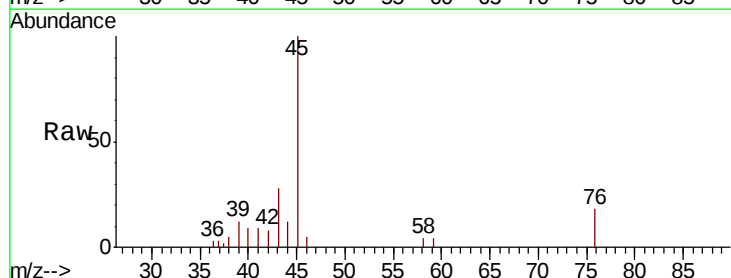
Acq: 12 Nov 2018 11:13

Tgt Ion: 76 Resp: 3451

Ion Ratio Lower Upper

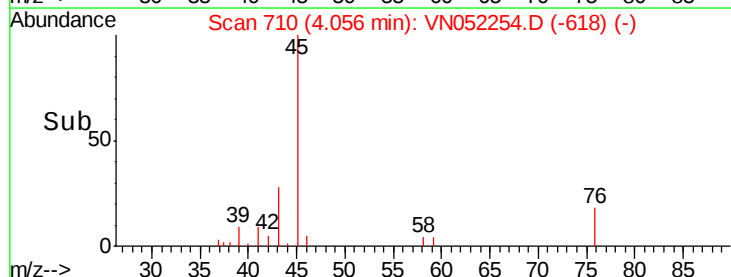
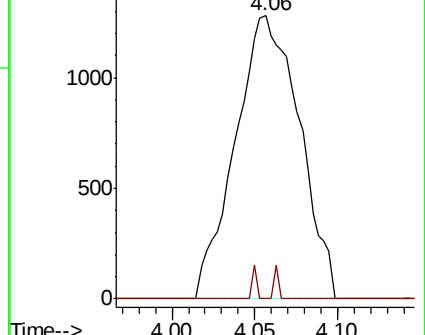
76 100

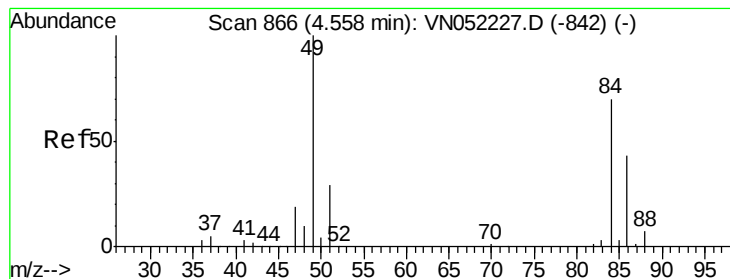
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN052227.D (-689) (-)

Ion 77.90 (77.60 to 78.60): VN052227.D (-689) (-)





#20

Methylene Chloride

Concen: 0.302 ug/l

RT: 4.55 min Scan# 863

Delta R.T. -0.01 min

Lab File: VN052254.D

Acq: 12 Nov 2018 11:13

Instrument :

MSVOA_N

ClientSampled :

TP-3-GW

Tot Ion: 84 Resp: 1299

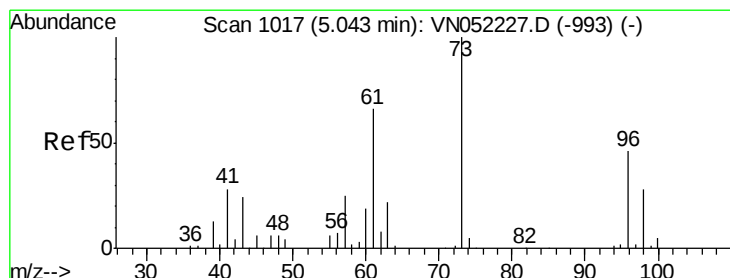
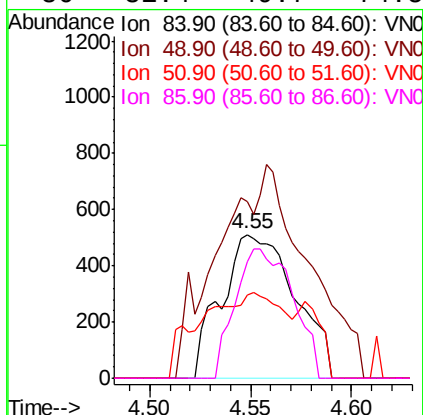
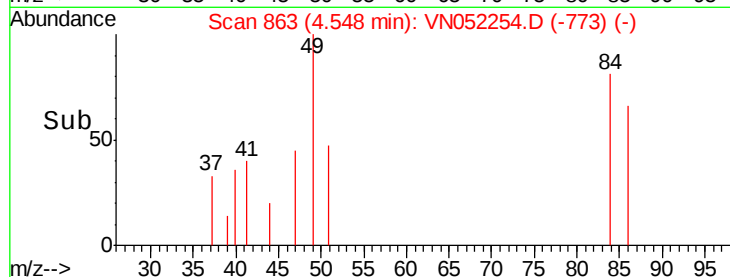
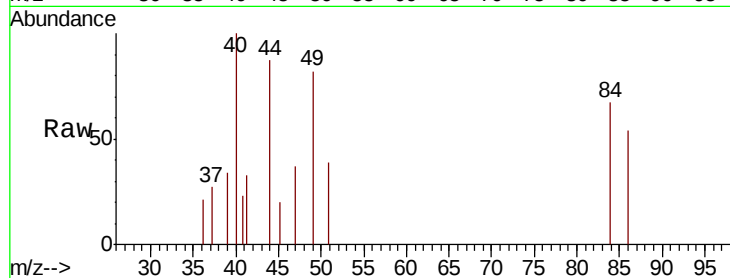
Ion Ratio Lower Upper

84 100

49 77.1 114.8 172.2#

51 57.8 33.1 49.7#

86 81.4 49.7 74.5#



#21

trans-1,2-Dichloroethene

Concen: 0.363 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052254.D

Acq: 12 Nov 2018 11:13

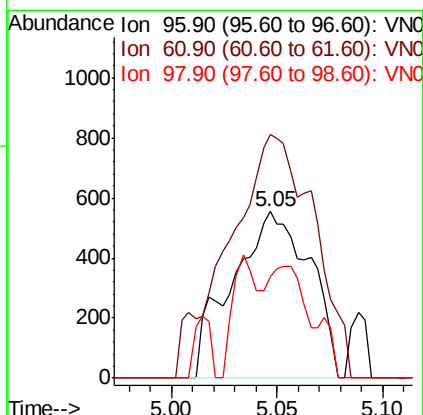
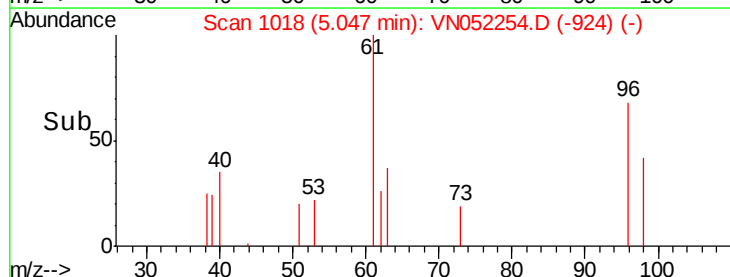
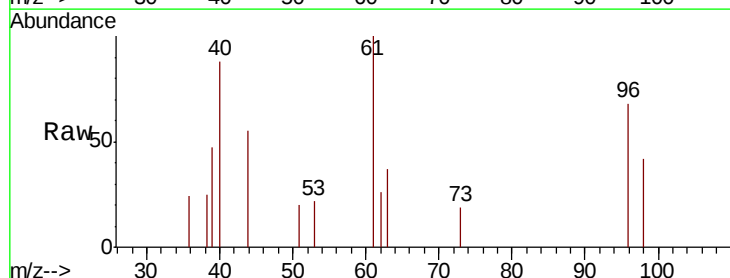
Tgt Ion: 96 Resp: 1425

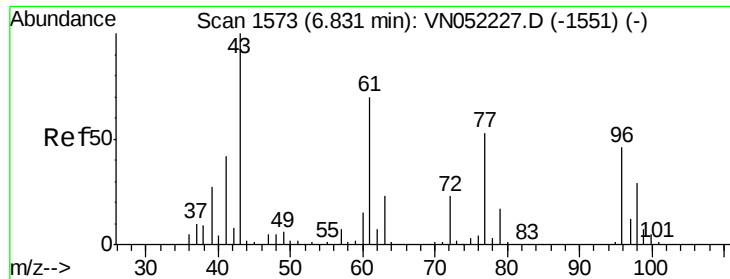
Ion Ratio Lower Upper

96 100

61 107.8 115.3 172.9#

98 61.2 49.5 74.3

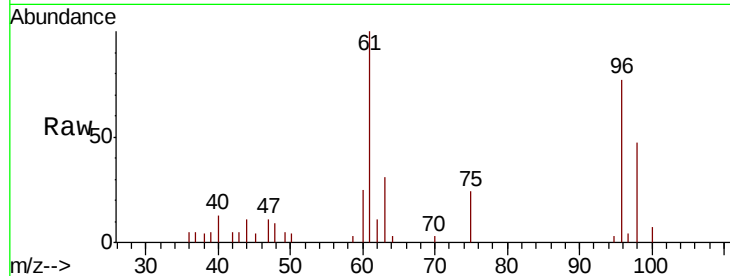




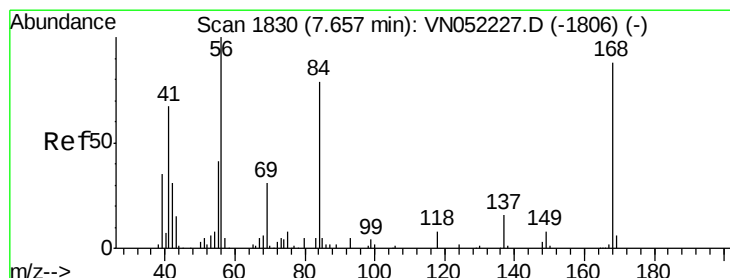
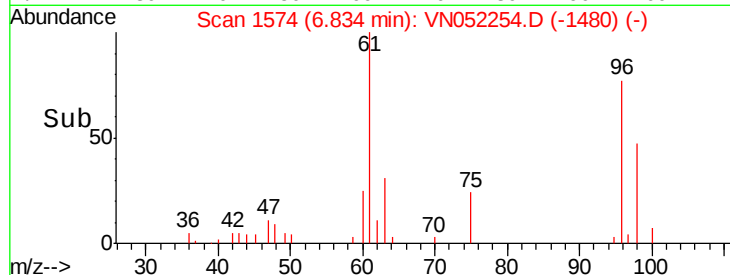
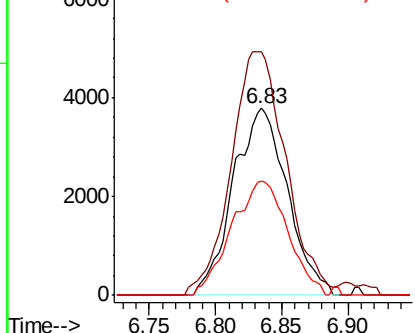
#27
 cis-1,2-Dichloroethene
 Concen: 2.457 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052254.D
 Acq: 12 Nov 2018 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-GW

Tot Ion: 96 Resp: 10782
 Ion Ratio Lower Upper
 96 100
 61 131.5 0.0 313.4
 98 63.3 0.0 129.8

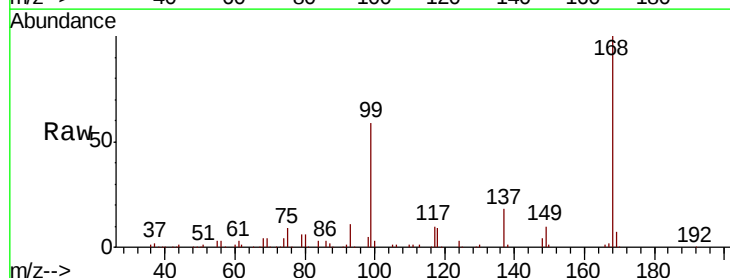


Abundance Ion 95.90 (95.60 to 96.60): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO

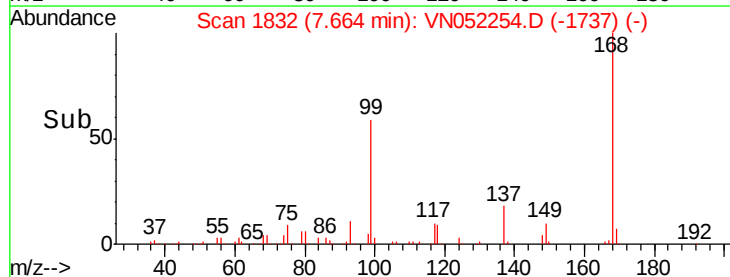
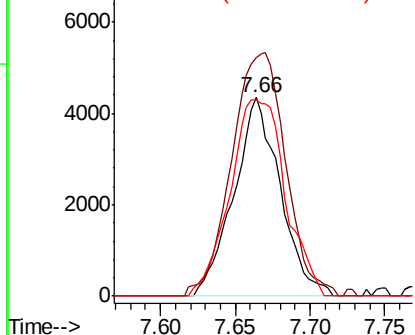


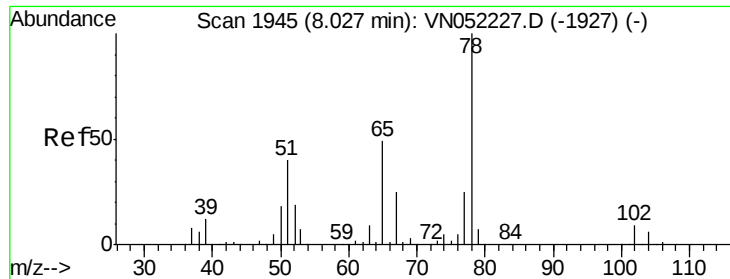
#31
 Cyclohexane
 Concen: 0.605 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: VN052254.D
 Acq: 12 Nov 2018 11:13

Tgt Ion: 56 Resp: 9385
 Ion Ratio Lower Upper
 56 100
 69 120.2 24.8 37.2#
 84 98.8 63.1 94.7#



Abundance Ion 56.00 (55.70 to 56.70): VNO
 Ion 69.00 (68.70 to 69.70): VNO
 Ion 84.00 (83.70 to 84.70): VNO

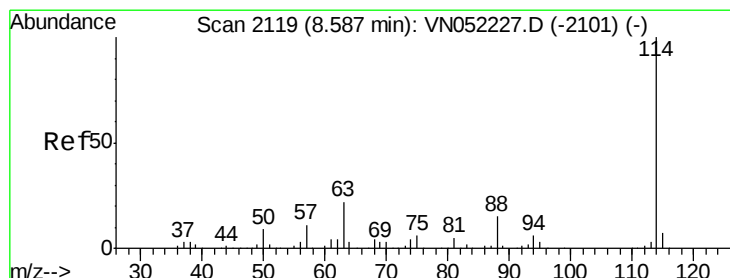
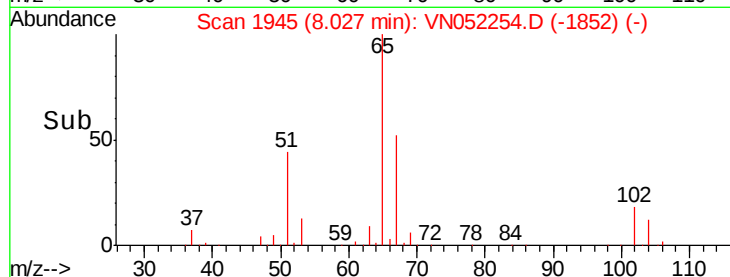
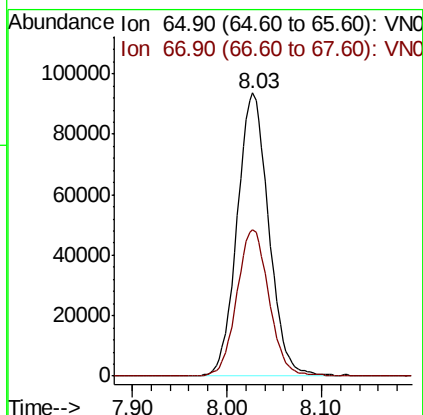
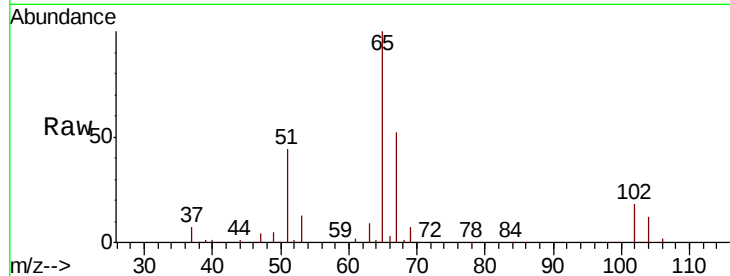




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052254.D
 Acq: 12 Nov 2018 11:13

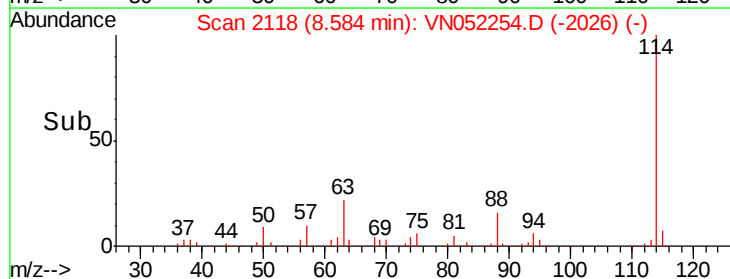
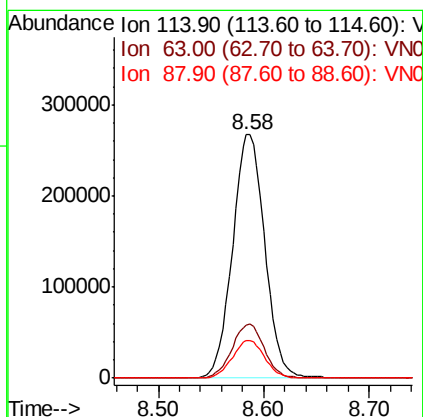
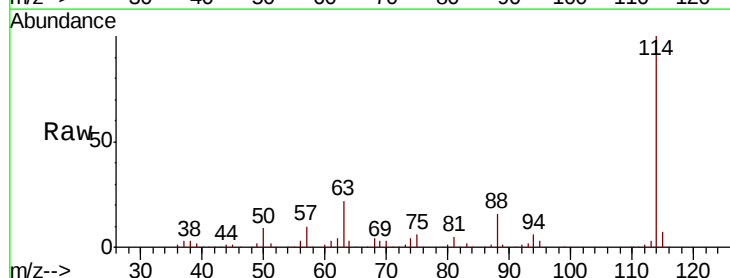
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-GW

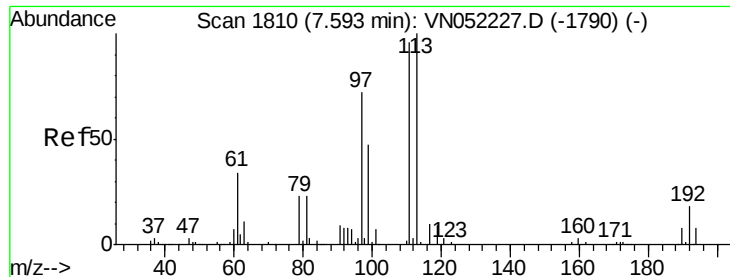
Tot Ion: 65 Resp: 217801
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052254.D
 Acq: 12 Nov 2018 11:13

Tgt Ion: 114 Resp: 566331
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052254.D

Acq: 12 Nov 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

TP-3-GW

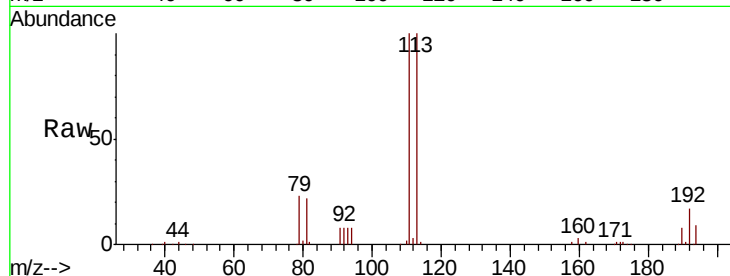
Tot Ion:113 Resp: 180649

Ion Ratio Lower Upper

113 100

111 101.7 80.2 120.4

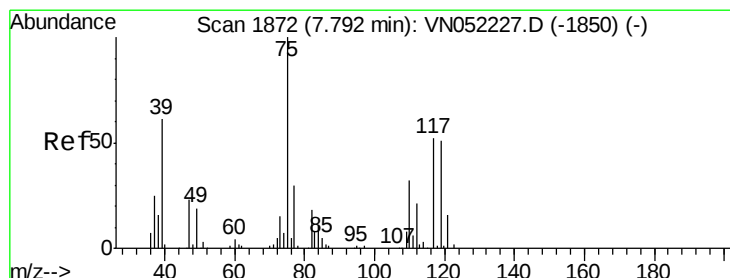
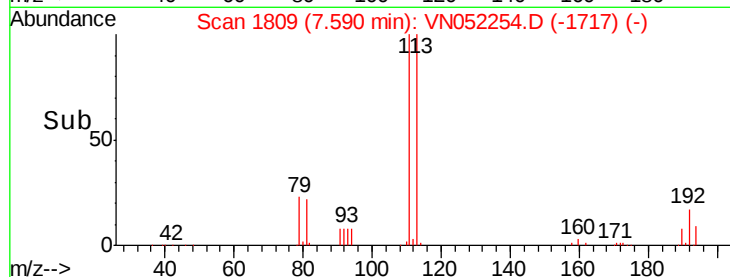
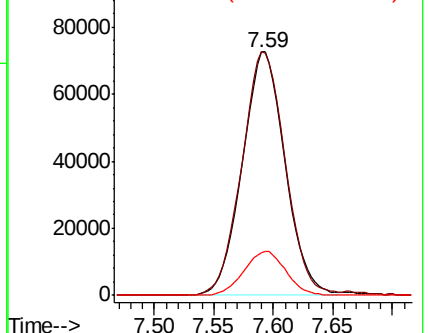
192 17.9 14.1 21.1



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



#36

1,1-Dichloropropene

Concen: 5.391 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052254.D

Acq: 12 Nov 2018 11:13

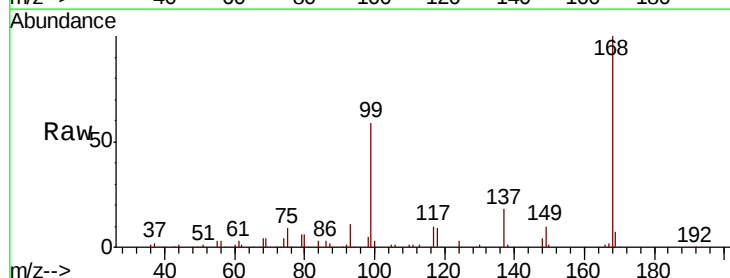
Tgt Ion: 75 Resp: 30819

Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.4#

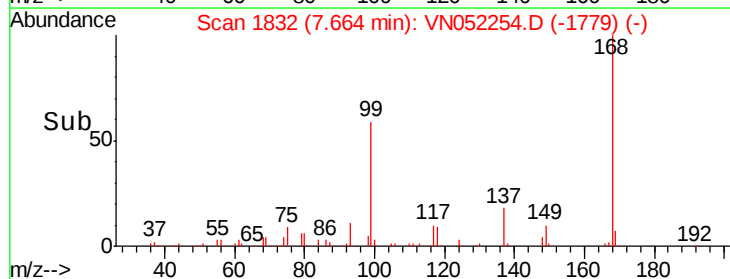
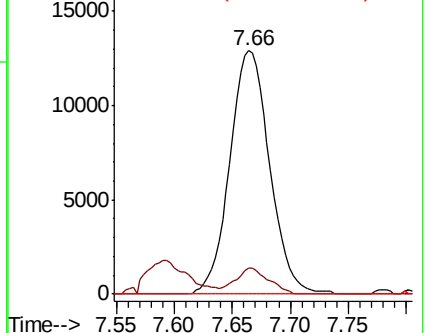
77 0.0 23.9 35.9#

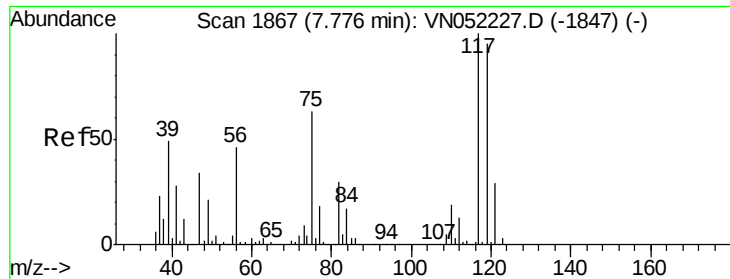


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.705 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052254.D

Acq: 12 Nov 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

TP-3-GW

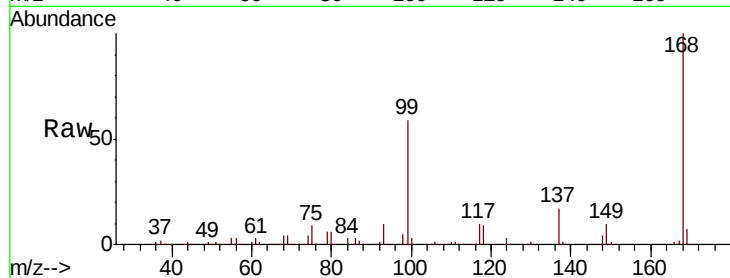
Tot Ion:117 Resp: 34734

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

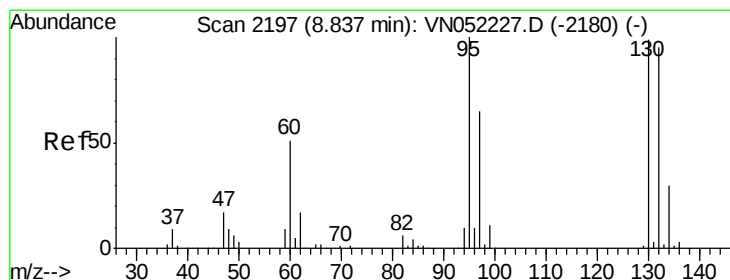
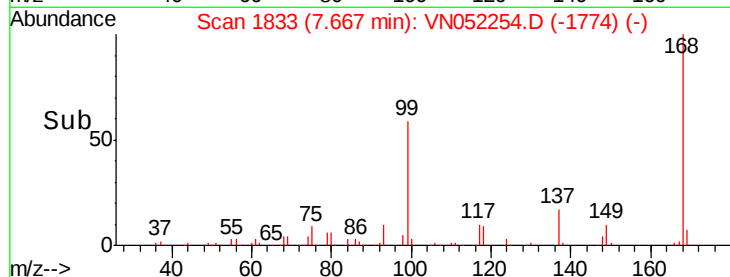
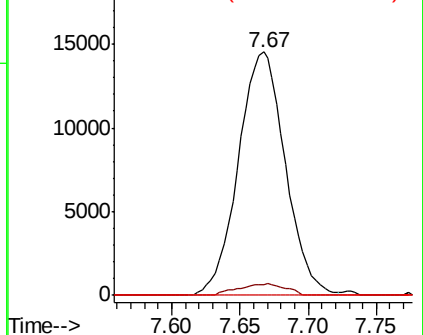
121 0.0 23.4 35.2#



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



#44

Trichloroethene

Concen: 1.905 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052254.D

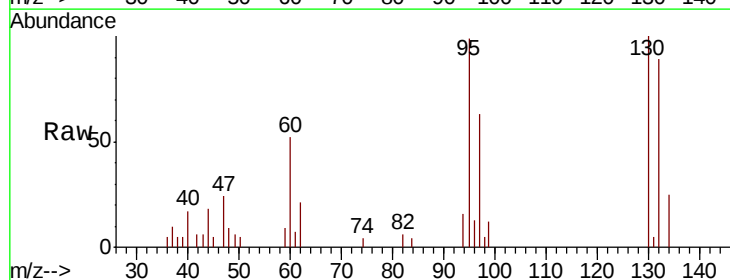
Acq: 12 Nov 2018 11:13

Tgt Ion:130 Resp: 7814

Ion Ratio Lower Upper

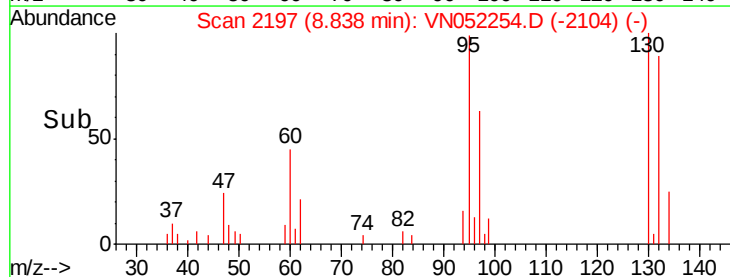
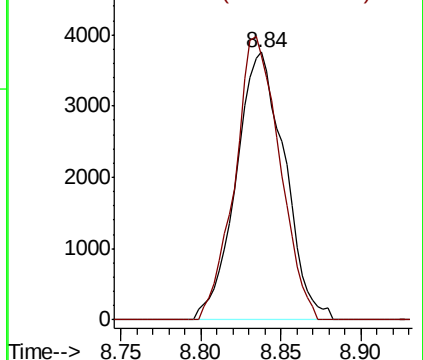
130 100

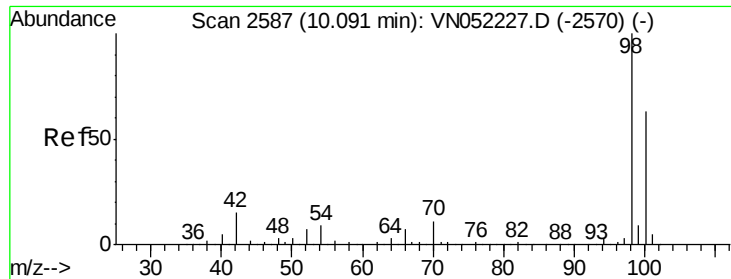
95 98.6 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052254.D

Acq: 12 Nov 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

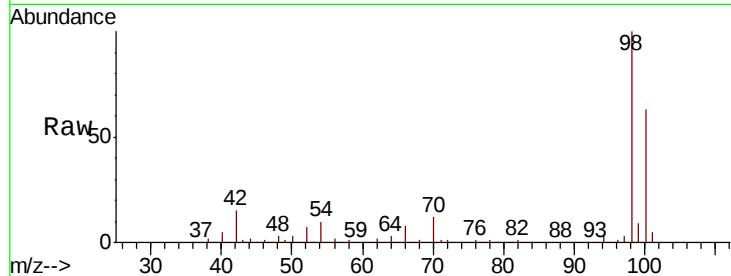
TP-3-GW

Tot Ion: 98 Resp: 699171

Ion Ratio Lower Upper

98 100

100 62.8 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN052227.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052227.D (-2570) (-)

10.09

400000

300000

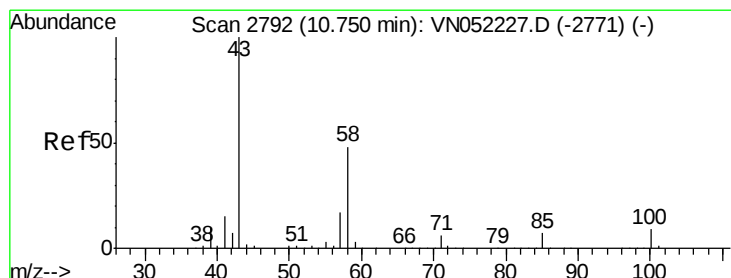
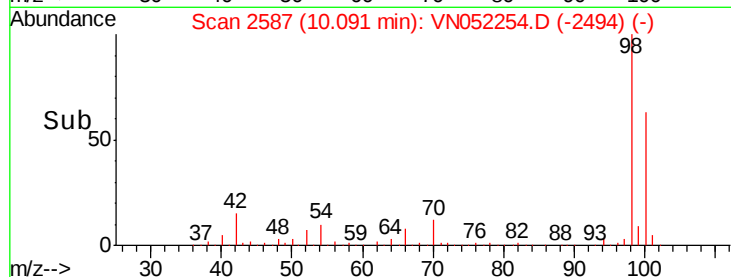
200000

100000

0

Time-->

10.00 10.10 10.20



#59

2-Hexanone

Concen: 0.289 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN052254.D

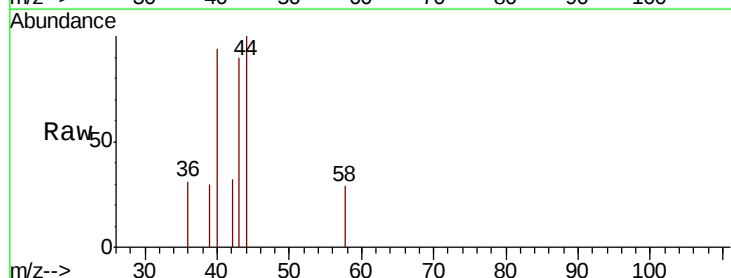
Acq: 12 Nov 2018 11:13

Tgt Ion: 43 Resp: 840

Ion Ratio Lower Upper

43 100

58 15.7 24.1 72.3#



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-2771) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2771) (-)

10.76

600

500

400

300

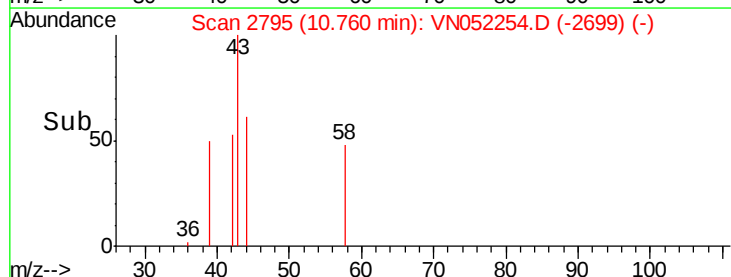
200

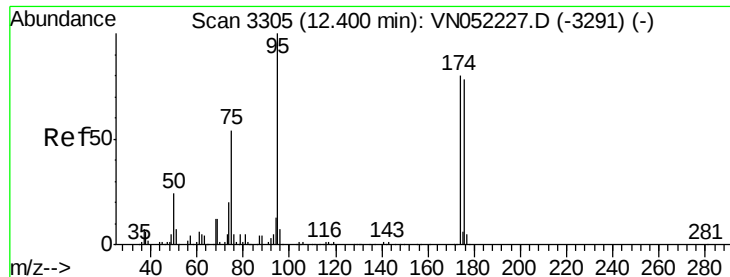
100

0

Time-->

10.70 10.75 10.80

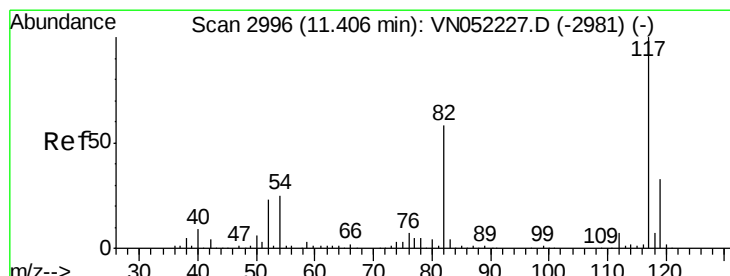
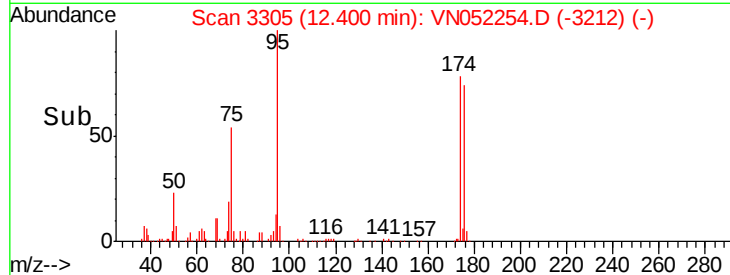
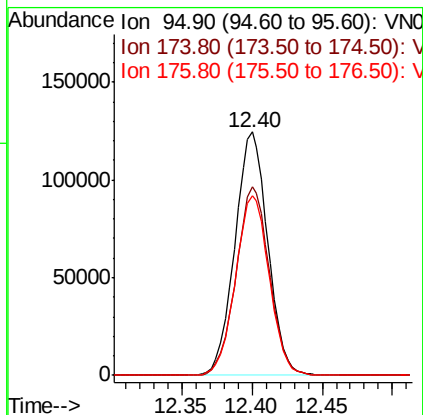
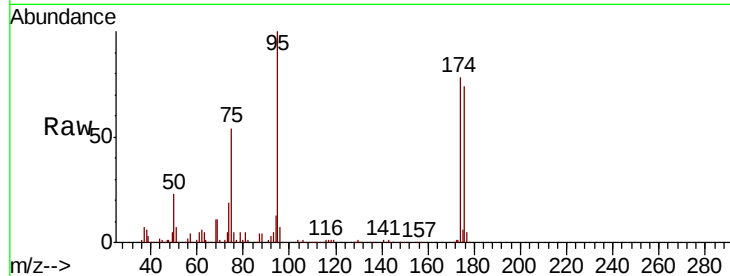




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052254.D
Acq: 12 Nov 2018 11:13

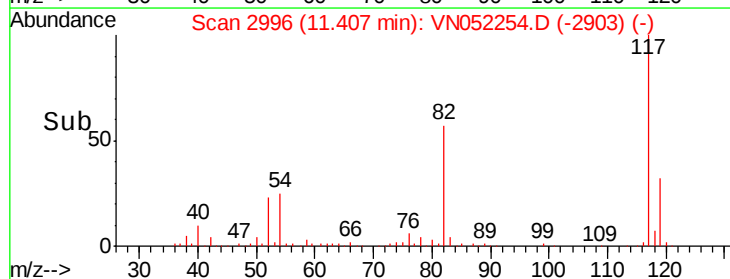
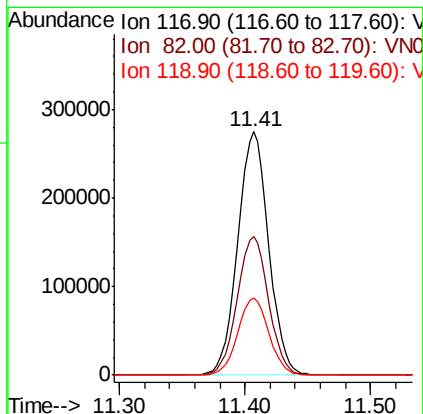
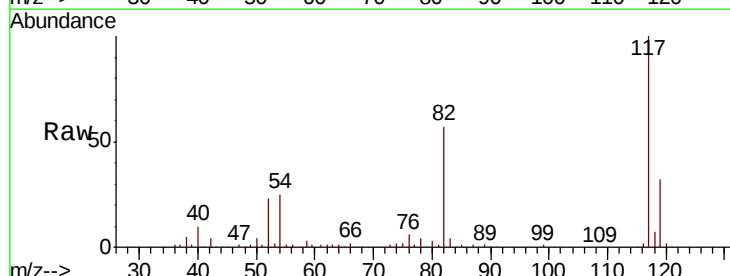
Instrument :
MSVOA_N
ClientSampleId :
TP-3-GW

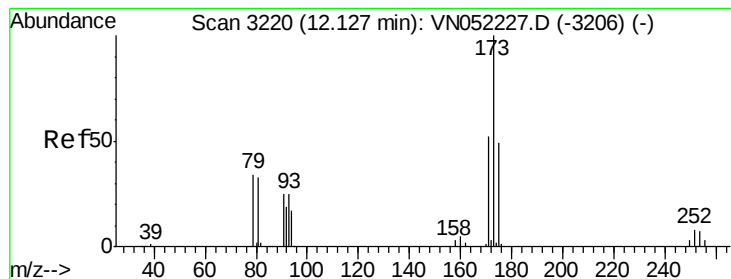
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	159.4
176	75.6	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052254.D
Acq: 12 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.2	69.2
119	31.9	26.2	39.4





#71

Bromoform

Concen: 0.281 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN052254.D

Acq: 12 Nov 2018 11:13

Instrument :

MSVOA_N

ClientSampled :

TP-3-GW

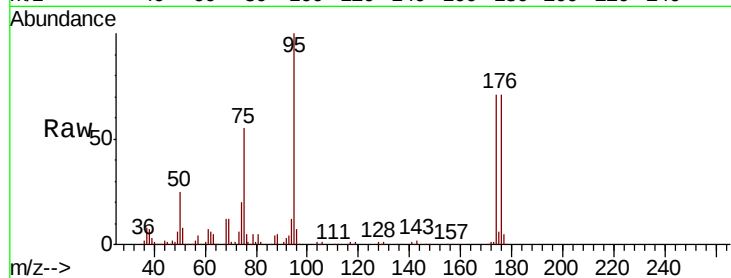
Tot Ion:173 Resp: 566

Ion Ratio Lower Upper

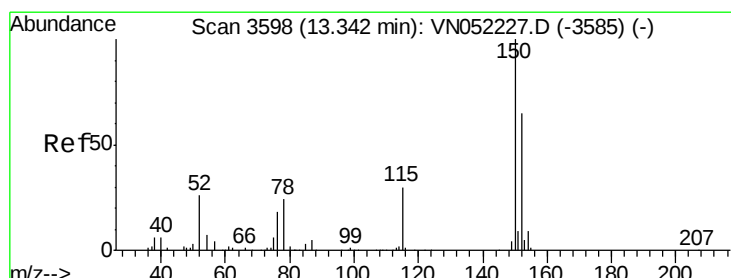
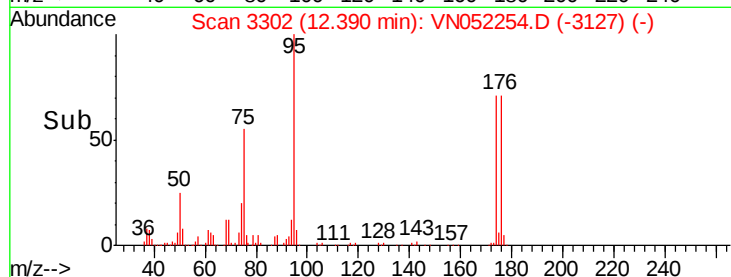
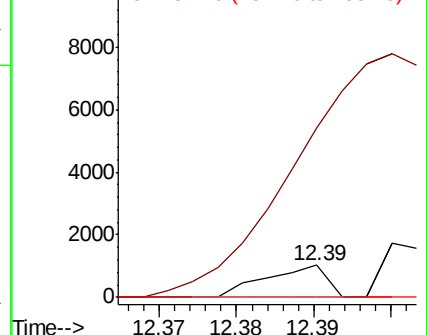
173 100

175 0.0 24.5 73.5#

254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052254.D

Acq: 12 Nov 2018 11:13

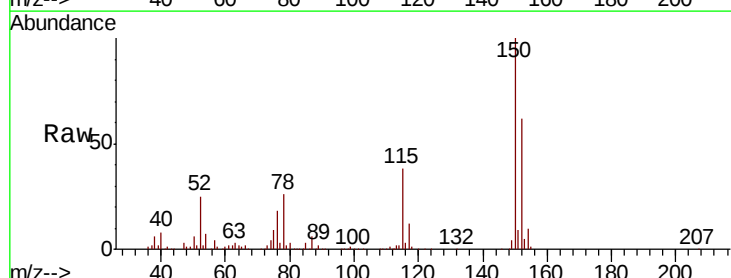
Tgt Ion:152 Resp: 166758

Ion Ratio Lower Upper

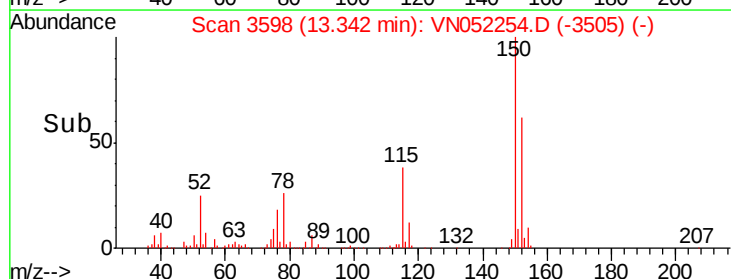
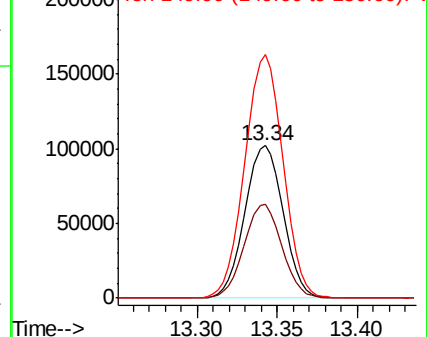
152 100

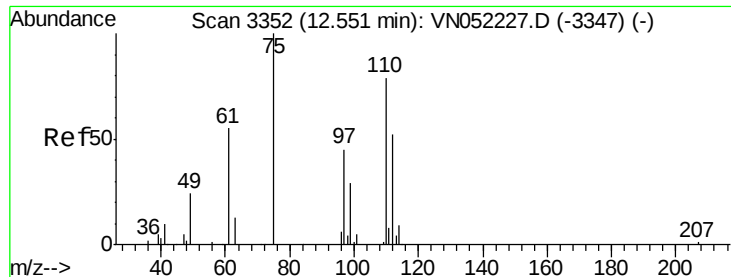
115 60.6 29.8 89.5

150 159.4 0.0 350.2



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

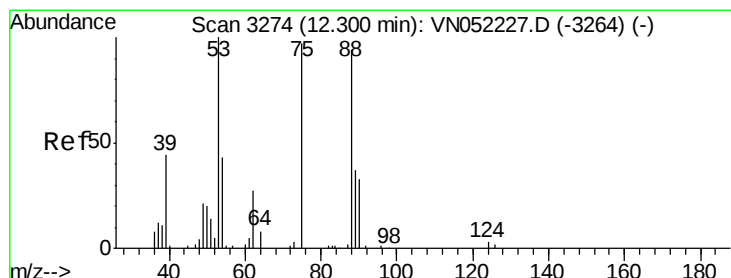
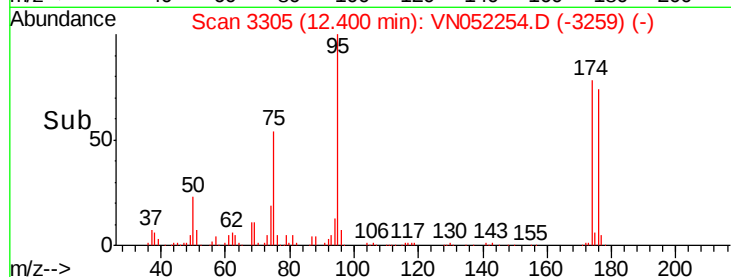
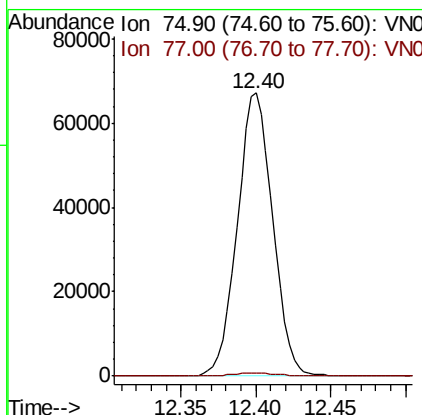
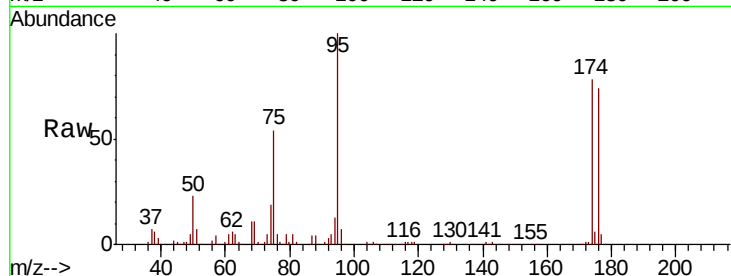




#76
 1,2,3-Trichloropropane
 Concen: 37.360 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052254.D
 Acq: 12 Nov 2018 11:13

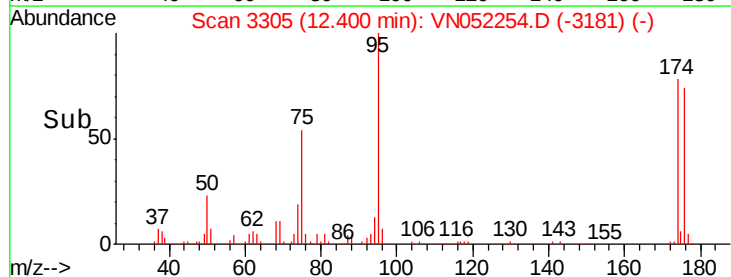
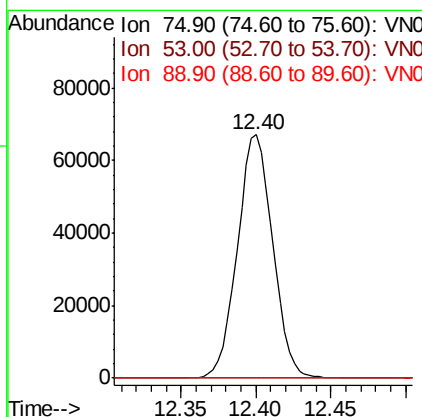
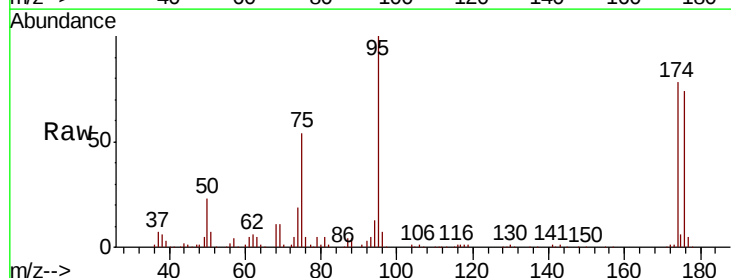
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-GW

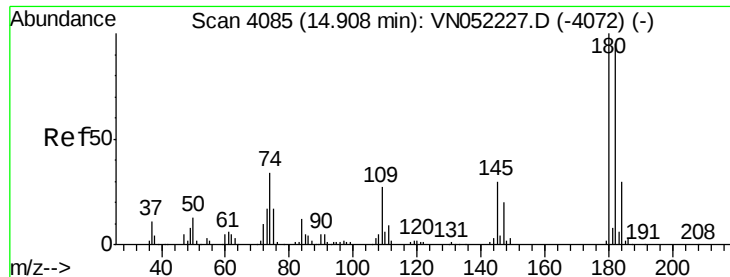
Tot Ion: 75 Resp: 110226
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.526 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052254.D
 Acq: 12 Nov 2018 11:13

Tgt Ion: 75 Resp: 110226
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.0 126.0#
 89 0.0 33.7 50.5#

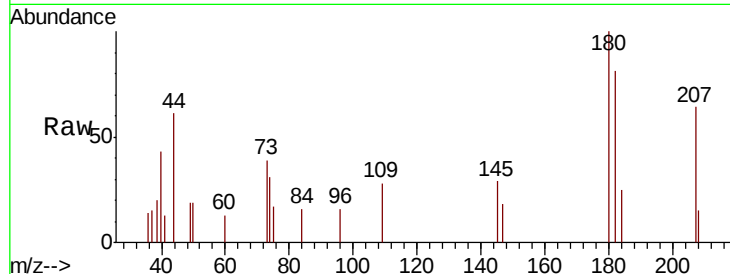




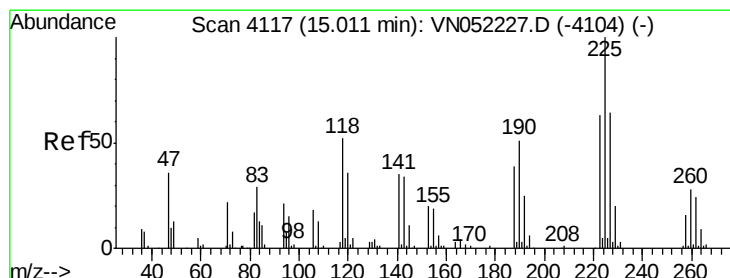
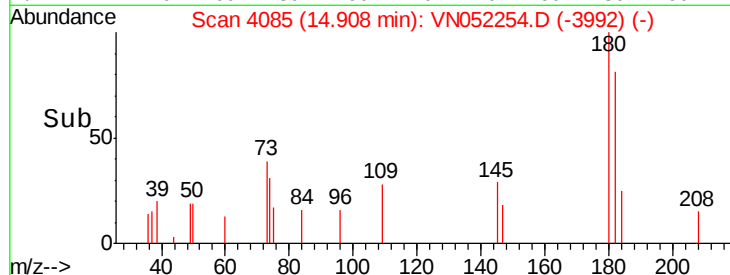
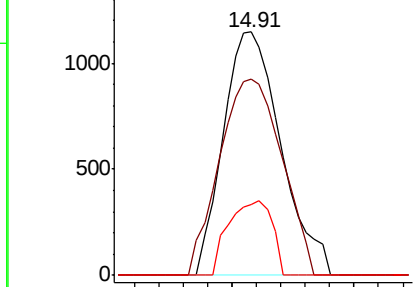
#93
 1,2,4-Trichlorobenzene
 Concen: 0.878 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052254.D
 Acq: 12 Nov 2018 11:13

Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-GW

Tot Ion:180 Resp: 1883
 Ion Ratio Lower Upper
 180 100
 182 87.6 47.3 142.0
 145 23.0 15.6 46.8

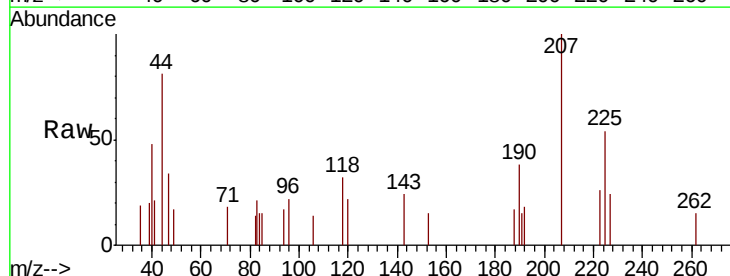


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

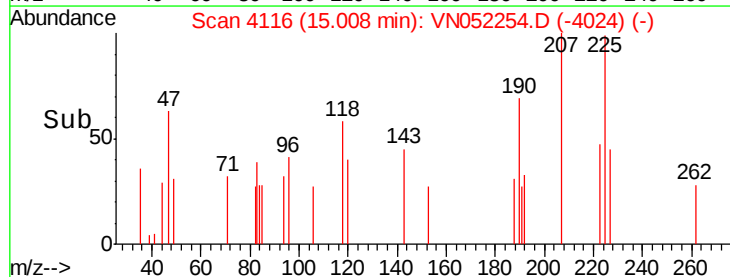
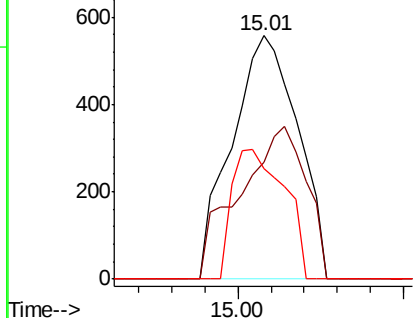


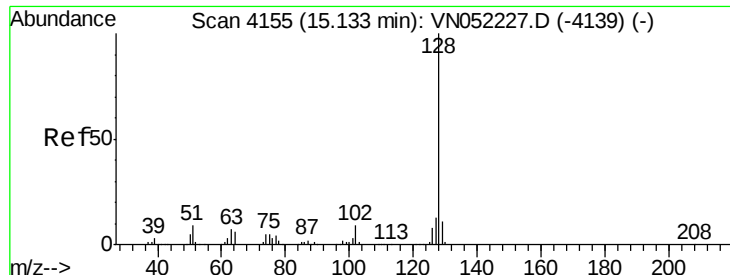
#94
 Hexachlorobutadiene
 Concen: 0.663 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052254.D
 Acq: 12 Nov 2018 11:13

Tgt Ion:225 Resp: 772
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.1 96.3
 227 42.2 31.8 95.4



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

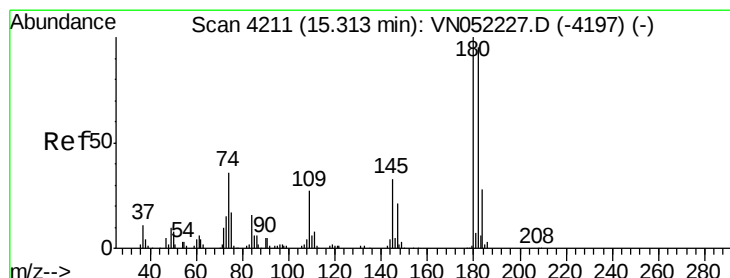
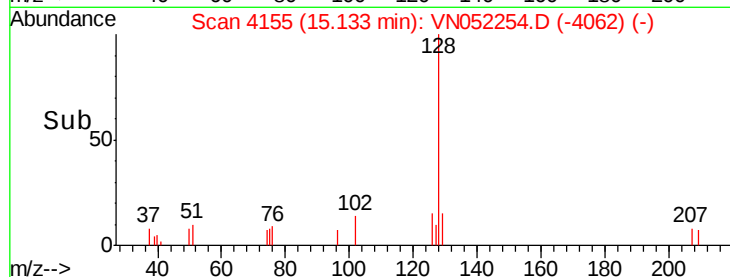
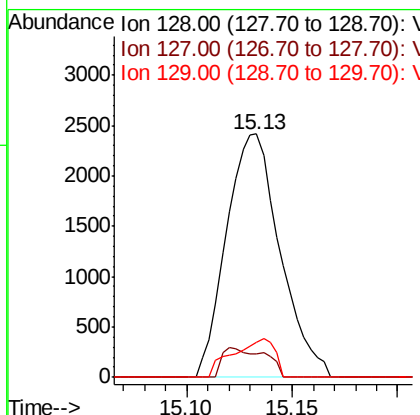
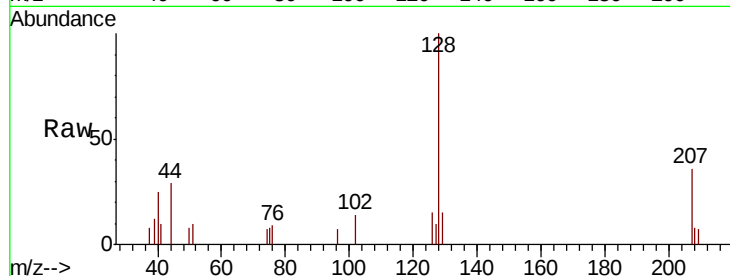




#95
Naphthalene
Concen: 0.806 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052254.D
Acq: 12 Nov 2018 11:13

Instrument :
MSVOA_N
ClientSampled :
TP-3-GW

Tot Ion:128 Resp: 4258
Ion Ratio Lower Upper
128 100
127 9.6 10.6 16.0#
129 12.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.960 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052254.D
Acq: 12 Nov 2018 11:13

Tgt Ion:180 Resp: 1945
Ion Ratio Lower Upper
180 100
182 89.6 47.7 143.1
145 31.5 16.8 50.3

