

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053857.D
 Acq On : 19 Feb 2019 9:38
 Operator : JC/SP
 Sample : VN0219WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBL01

Quant Time: Feb 20 03:15:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

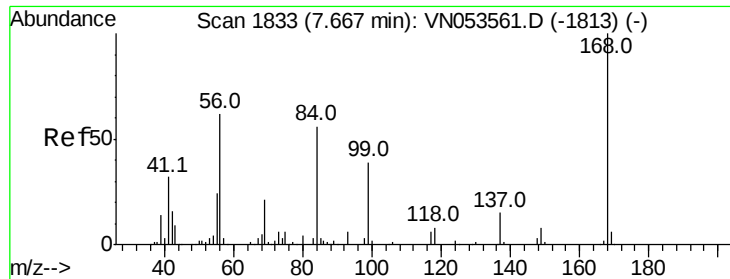
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	601260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1000538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	935814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	365534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	313305	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
35) Dibromofluoromethane	7.59	113	317802	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.09	98	1214724	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.40	95	398750	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	1284	0.830	ug/l #	41
18) Methyl Acetate	4.33	43	5862	1.279	ug/l #	81
31) Cyclohexane	7.67	56	8114	0.628	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	33533	3.718	ug/l #	45
38) Carbon Tetrachloride	7.66	117	47476	5.225	ug/l #	16
43) Isopropyl Acetate	8.33	43	180299	18.534	ug/l #	52
59) 2-Hexanone	10.76	43	1119	0.345	ug/l	83
71) Bromoform	12.40	173	3023	0.635	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	185045	39.413	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	185045	110.825	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1791	0.262	ug/l	94
95) Naphthalene	15.13	128	4688	2.018	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	1311	0.207	ug/l #	56

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

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

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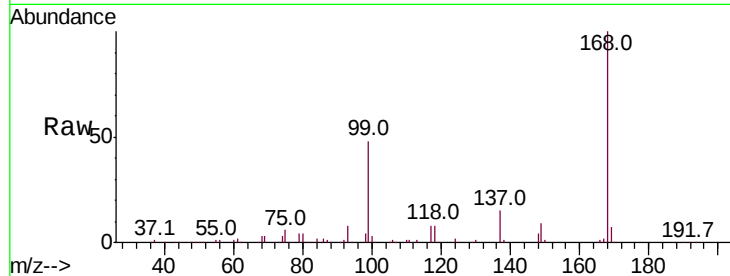
VN0219WBL01

Tot Ion:168 Resp: 601260

Ion Ratio Lower Upper

168 100

99 47.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.66

250000

200000

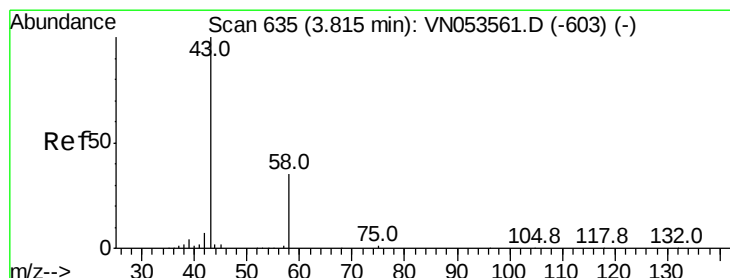
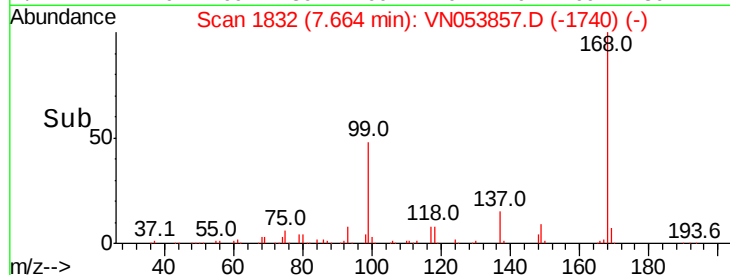
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.830 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN053857.D

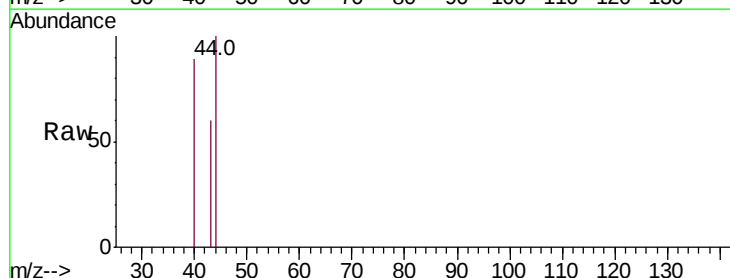
Acq: 19 Feb 2019 9:38

Tgt Ion: 43 Resp: 1284

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

500

400

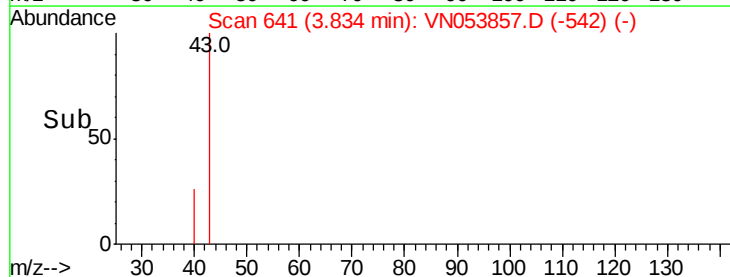
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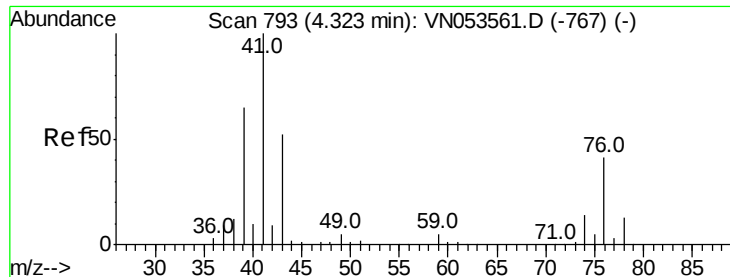
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100

0

Time-->

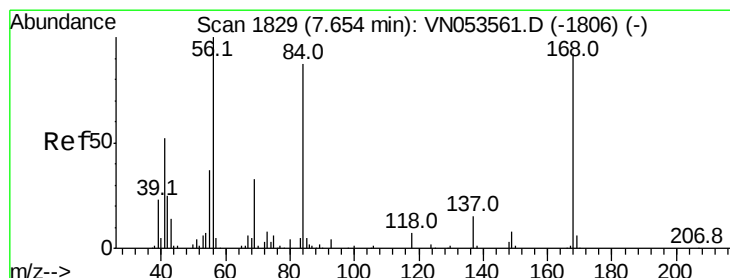
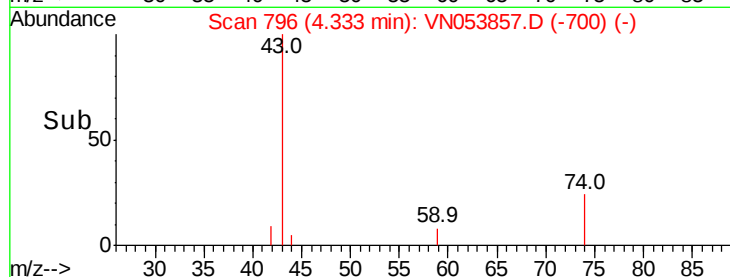
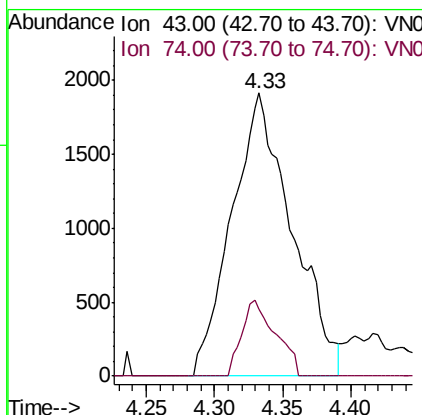
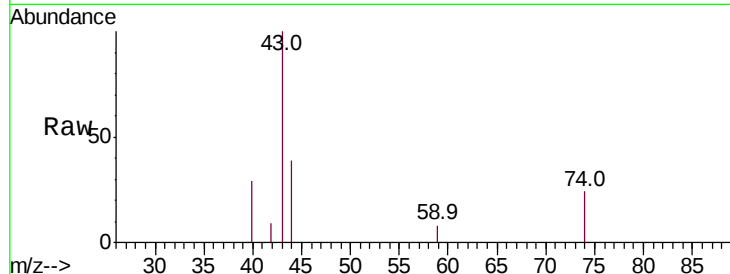




#18
Methvl Acetate
Concen: 1.279 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053857.D
Acq: 19 Feb 2019 9:38

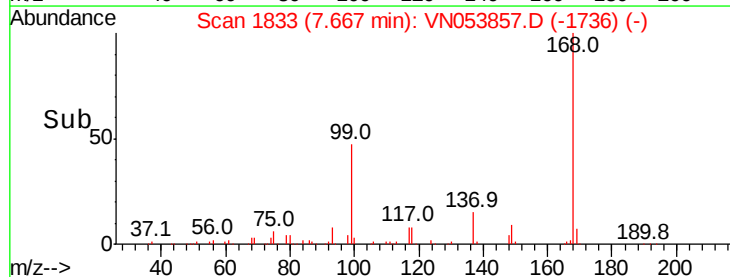
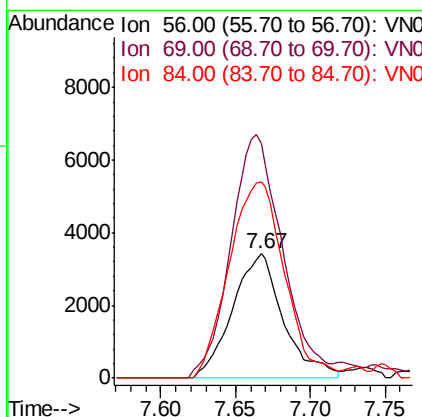
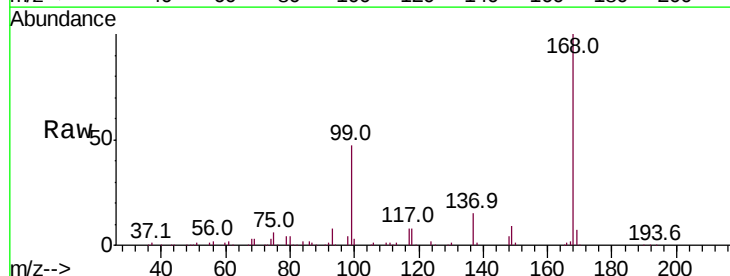
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

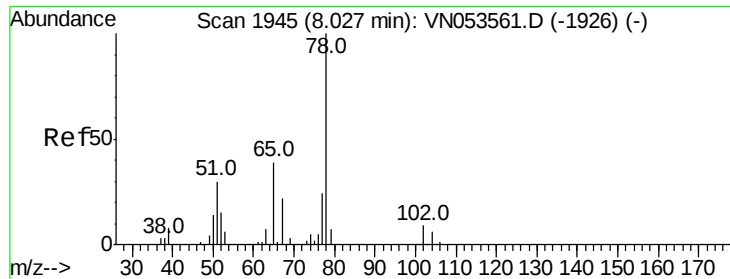
Tot Ion: 43 Resp: 5862
Ion Ratio Lower Upper
43 100
74 15.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.628 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053857.D
Acq: 19 Feb 2019 9:38

Tgt Ion: 56 Resp: 8114
Ion Ratio Lower Upper
56 100
69 188.9 26.4 39.6#
84 158.0 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: 51.942 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

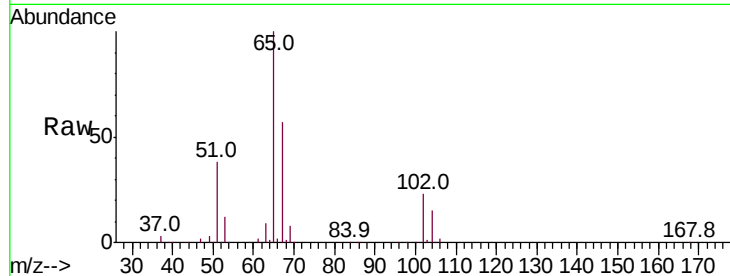
VN0219WBL01

Tot Ion: 65 Resp: 313305

Ion Ratio Lower Upper

65 100

67 55.7 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053857.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053857.D (-1852) (-)

8.03

150000

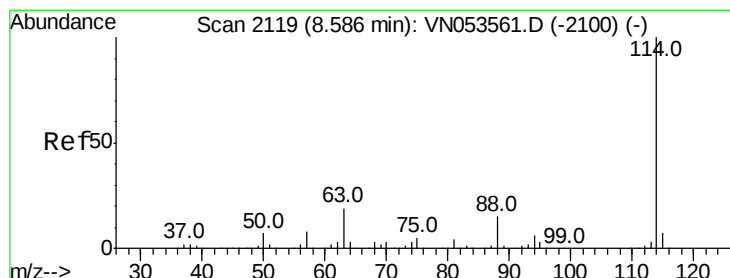
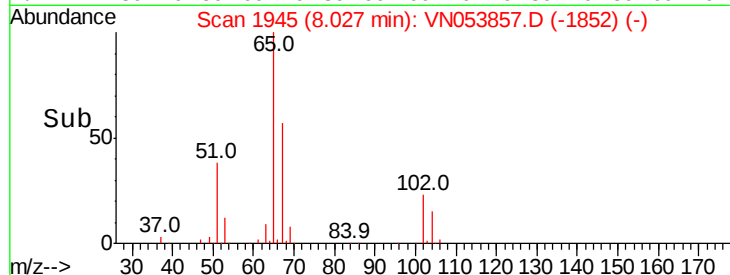
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

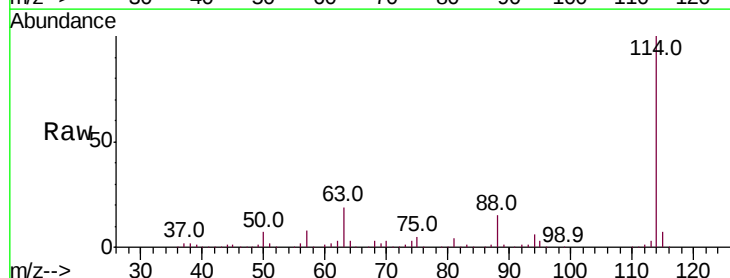
Tgt Ion: 114 Resp: 1000538

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053857.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053857.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053857.D (-2026) (-)

8.59

600000

500000

400000

300000

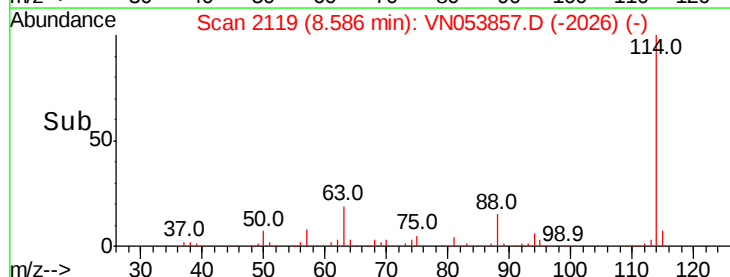
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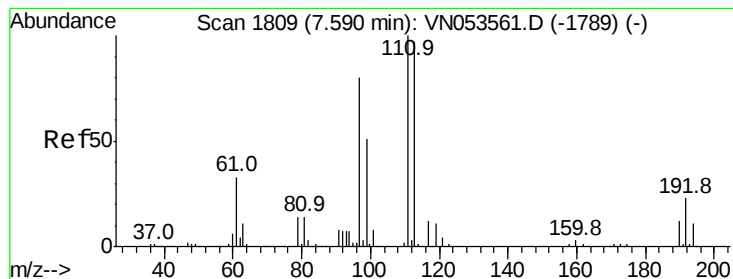
100000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 50.268 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBL01

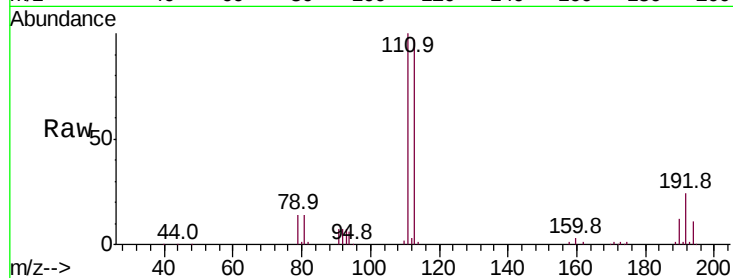
Tot Ion:113 Resp: 317802

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

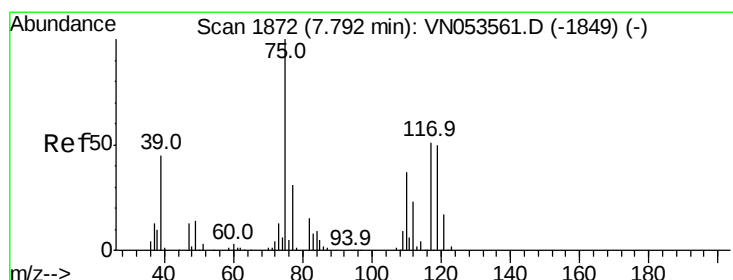
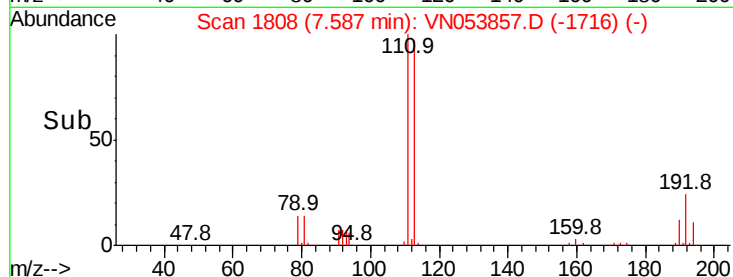
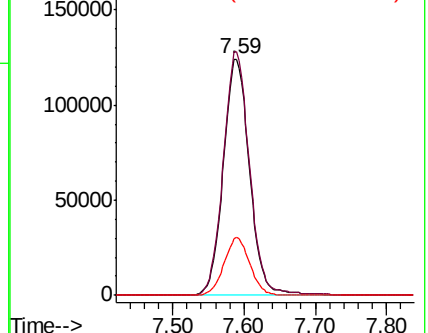
192 24.0 18.2 27.2



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: 3.718 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

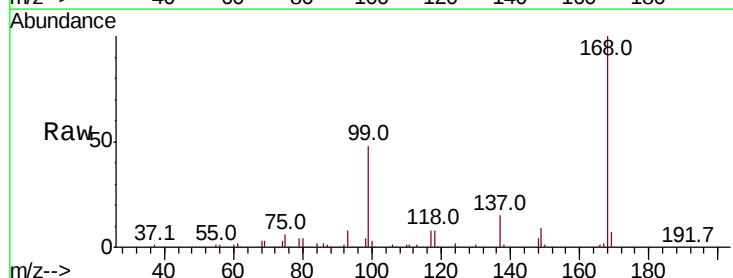
Tgt Ion: 75 Resp: 33533

Ion Ratio Lower Upper

75 100

110 4.4 18.1 54.3#

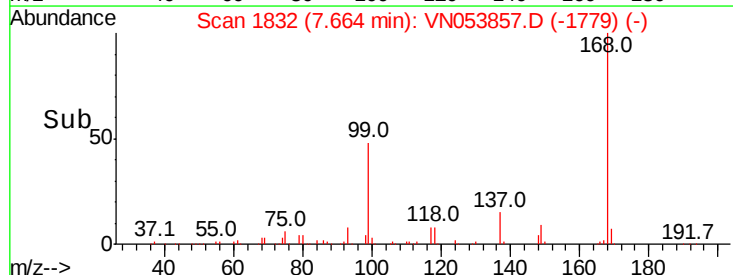
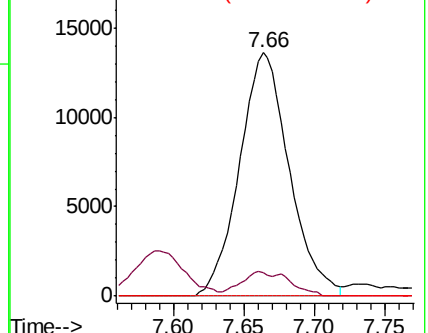
77 0.0 25.1 37.7#

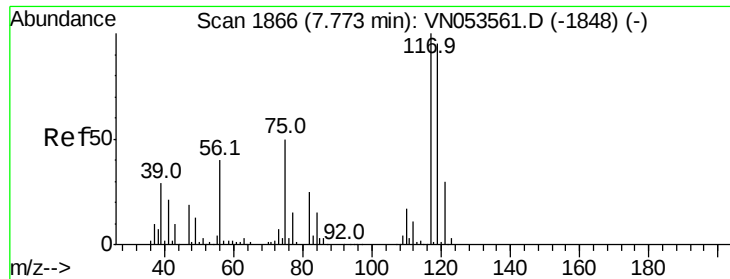


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.225 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBL01

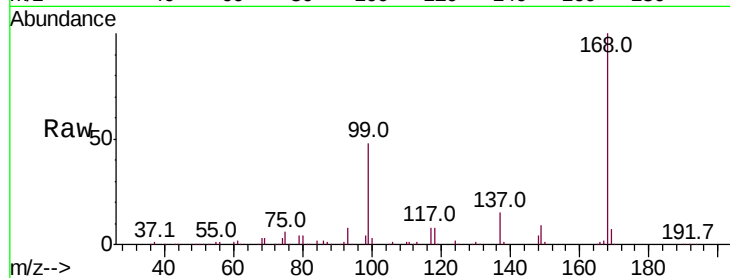
Tot Ion:117 Resp: 47476

Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

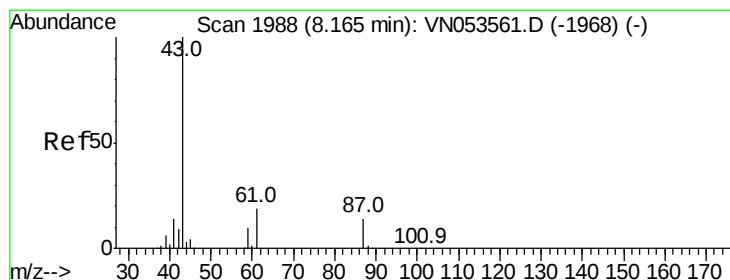
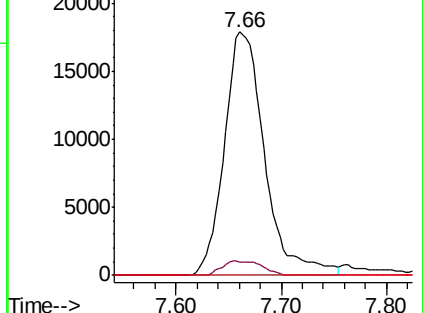
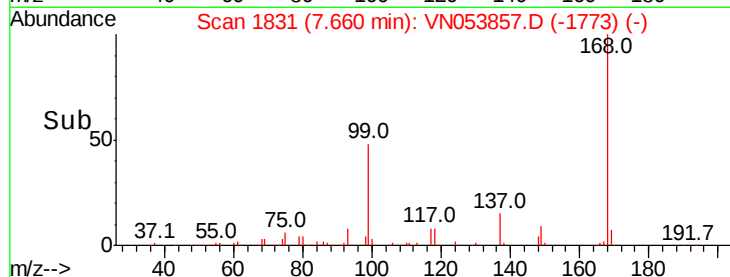
121 0.0 24.6 37.0#



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: 18.534 ug/l

RT: 8.33 min Scan# 2039

Delta R.T. 0.16 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

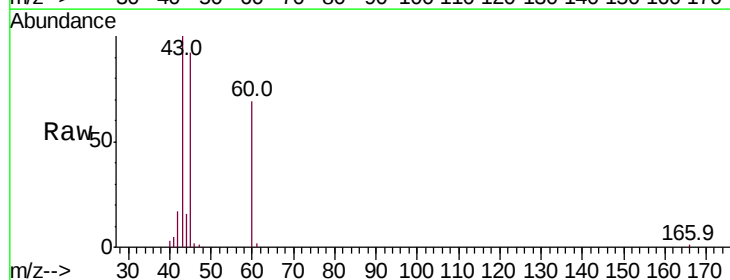
Tgt Ion: 43 Resp: 180299

Ion Ratio Lower Upper

43 100

61 0.4 23.9 35.9#

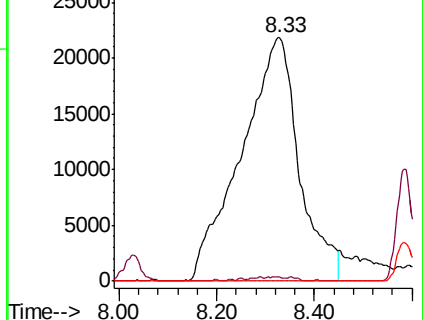
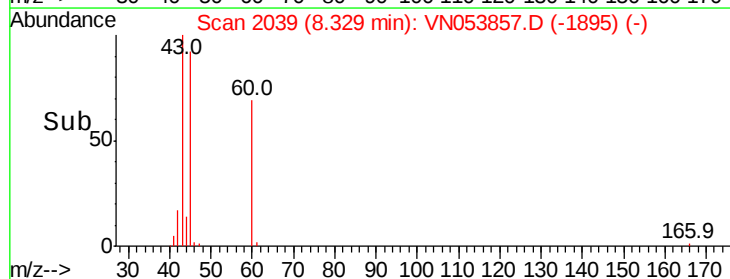
87 0.0 11.0 16.6#

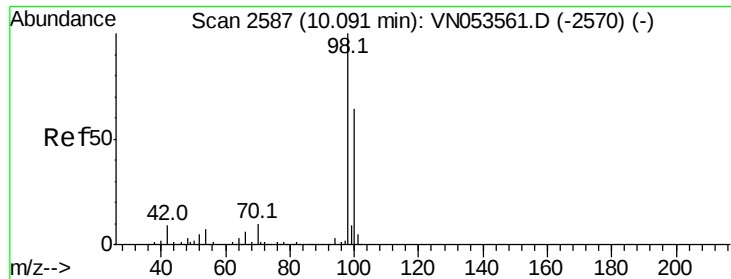


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 51.172 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

Instrument :

MSVOA_N

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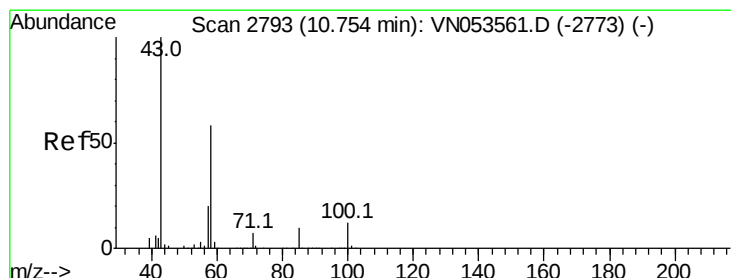
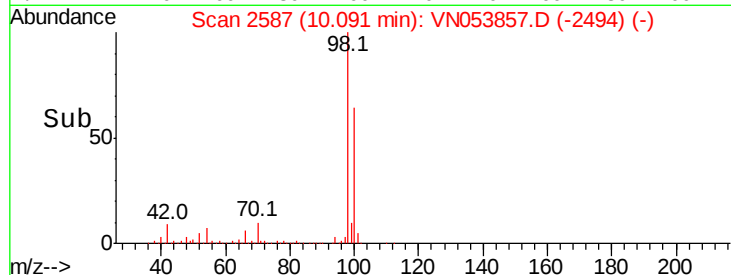
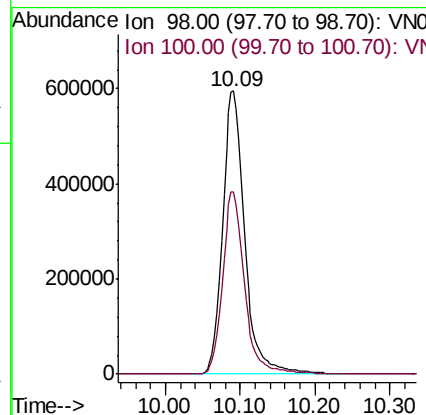
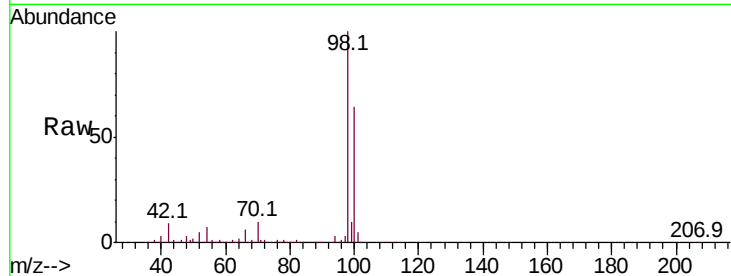
VN0219WBL01

Tot Ion: 98 Resp: 1214724

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0



#59

2-Hexanone

Concen: 0.345 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN053857.D

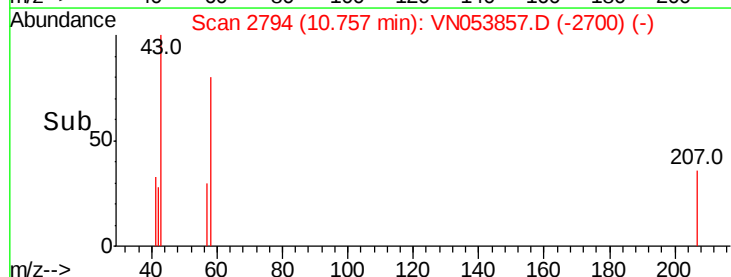
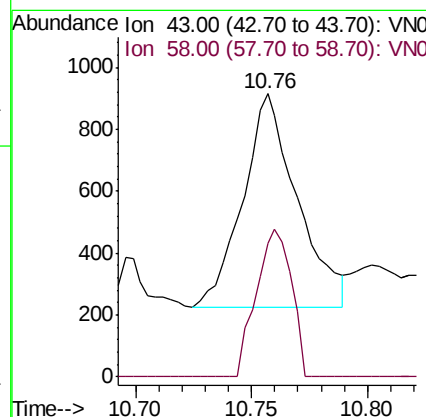
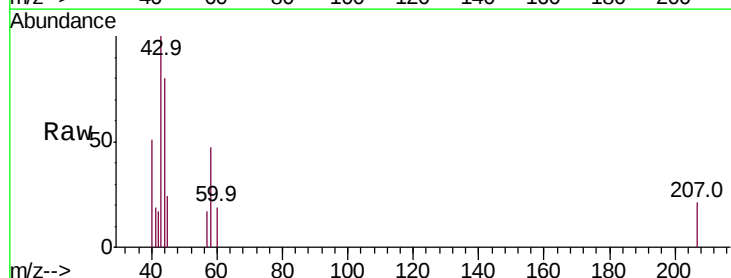
Acq: 19 Feb 2019 9:38

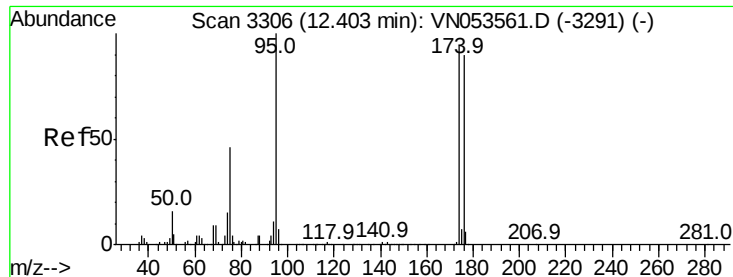
Tgt Ion: 43 Resp: 1119

Ion Ratio Lower Upper

43 100

58 45.0 28.6 85.8





#62

4-Bromofluorobenzene

Concen: 50.366 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBL01

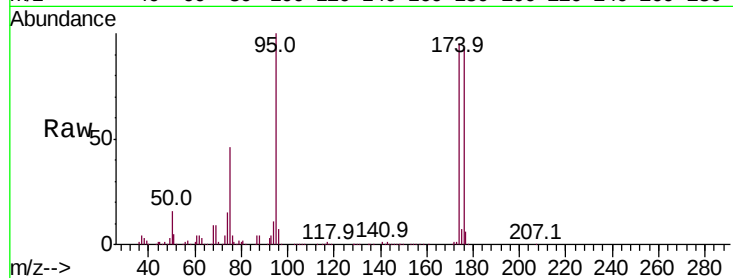
Tot Ion: 95 Resp: 398750

Ion Ratio Lower Upper

95 100

174 96.2 0.0 183.2

176 93.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)

12.40

250000

200000

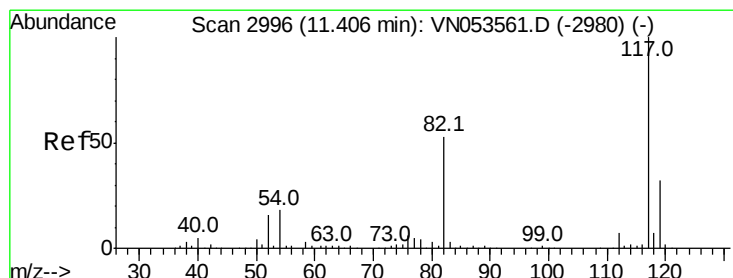
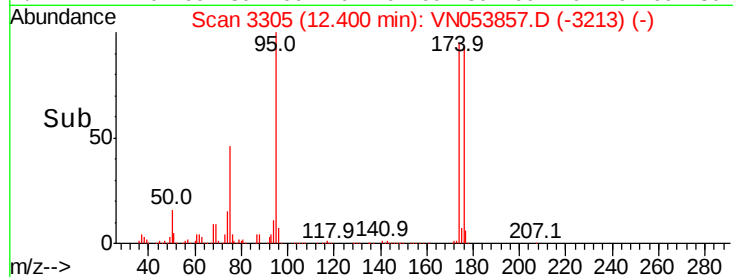
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

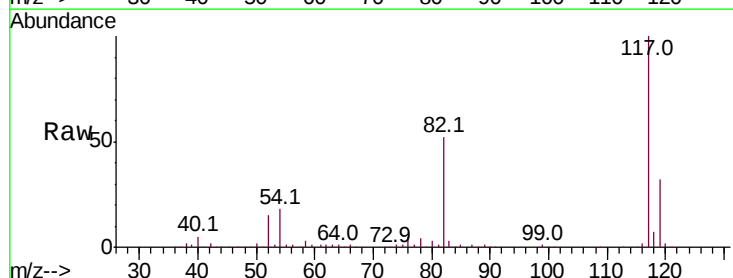
Tgt Ion: 117 Resp: 935814

Ion Ratio Lower Upper

117 100

82 52.1 42.9 64.3

119 32.4 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)

11.41

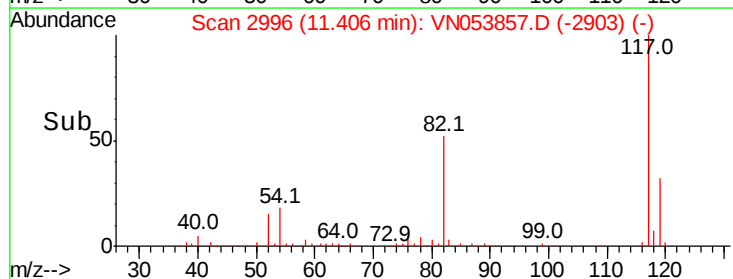
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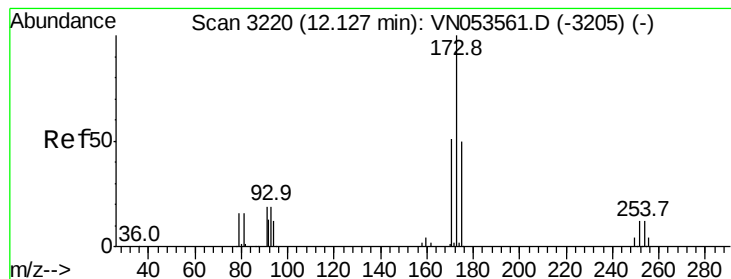
400000

200000

0

Time-->





#71

Bromoform

Concen: 0.635 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBL01

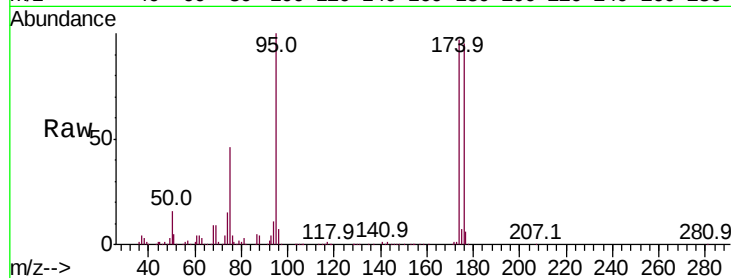
Tot Ion:173 Resp: 3023

Ion Ratio Lower Upper

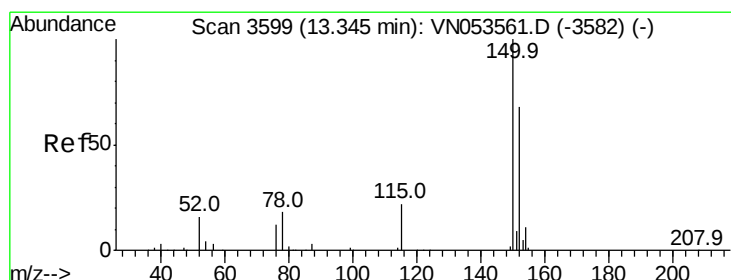
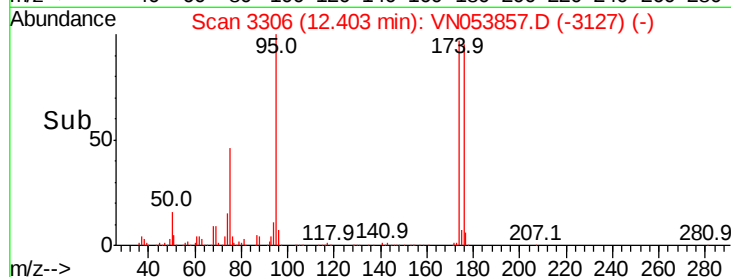
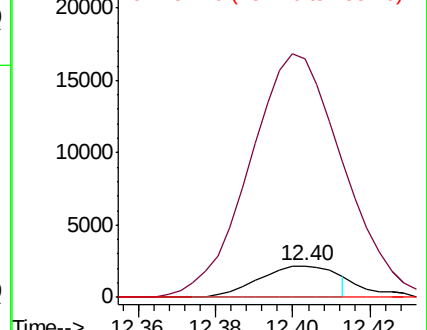
173 100

175 816.4 24.6 74.0#

254 0.0 0.2 0.2#



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: VN053857.D

Acq: 19 Feb 2019 9:38

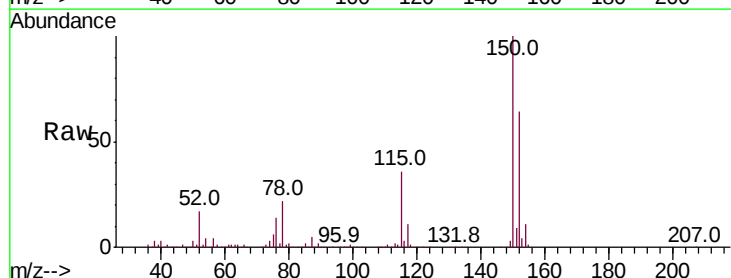
Tgt Ion:152 Resp: 365534

Ion Ratio Lower Upper

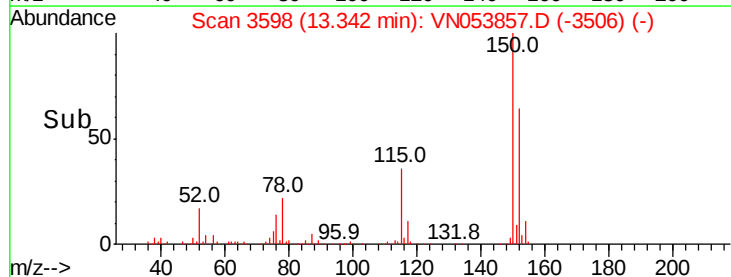
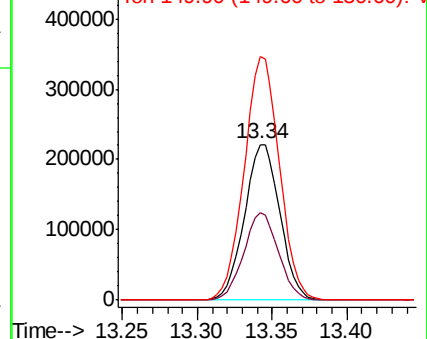
152 100

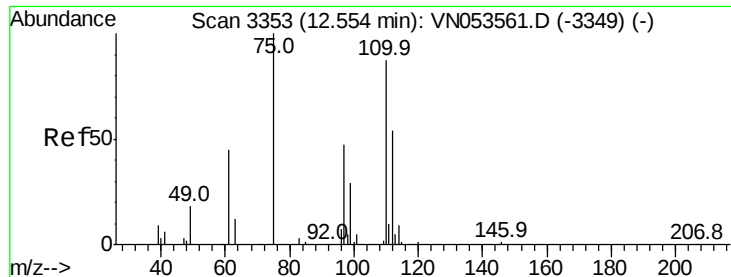
115 54.9 27.8 83.4

150 155.3 0.0 349.0



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

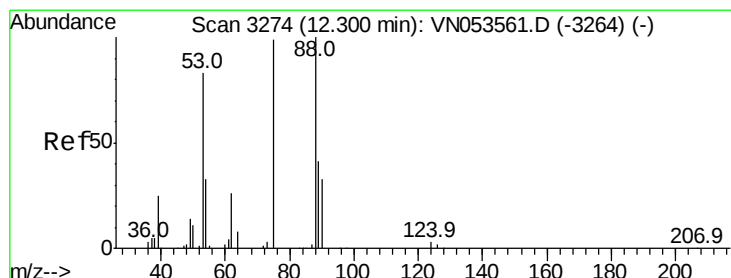
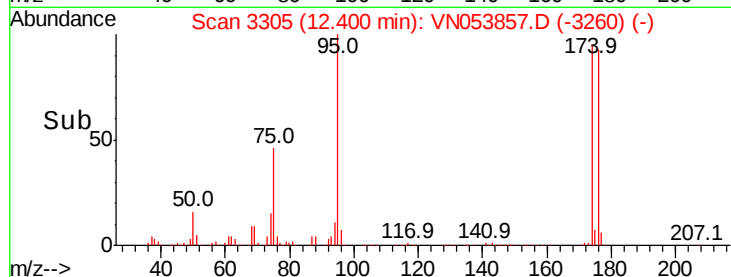
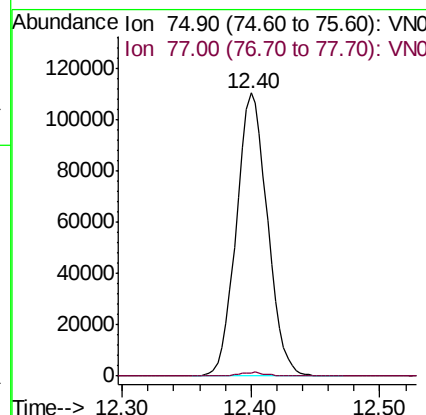
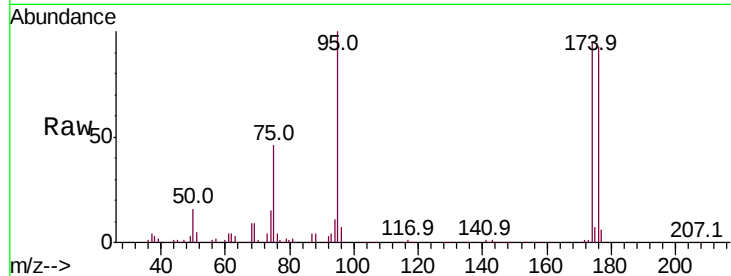




#76
 1,2,3-Trichloropropane
 Concen: 39.413 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN053857.D
 Acq: 19 Feb 2019 9:38

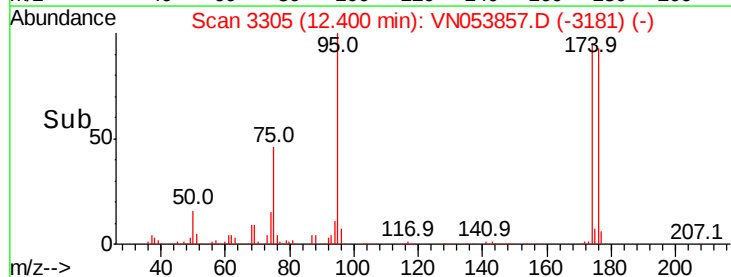
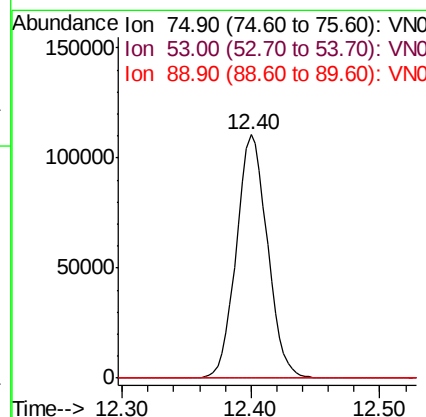
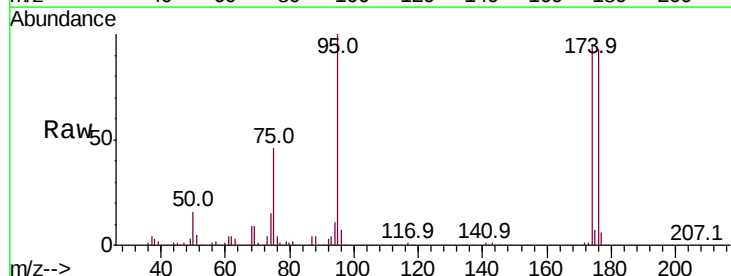
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBL01

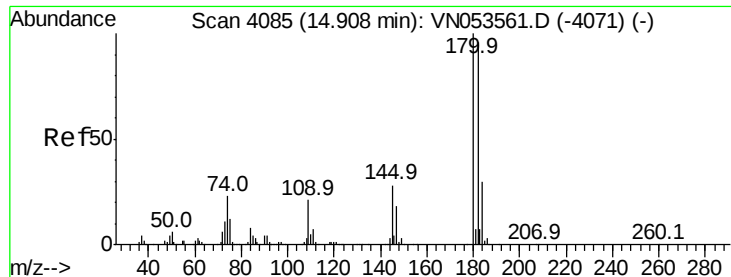
Tot Ion: 75 Resp: 185045
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.825 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053857.D
 Acq: 19 Feb 2019 9:38

Tgt Ion: 75 Resp: 185045
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.6#
 89 0.0 35.6 53.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.262 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBL01

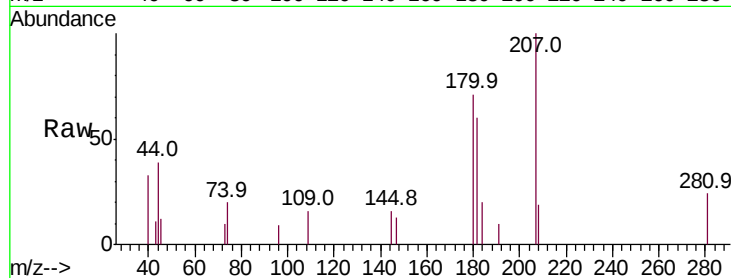
Tot Ion:180 Resp: 1791

Ion Ratio Lower Upper

180 100

182 96.3 48.1 144.3

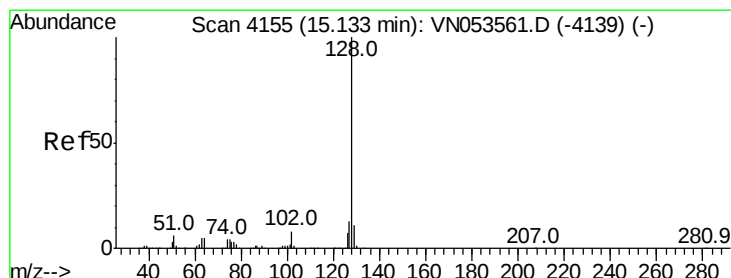
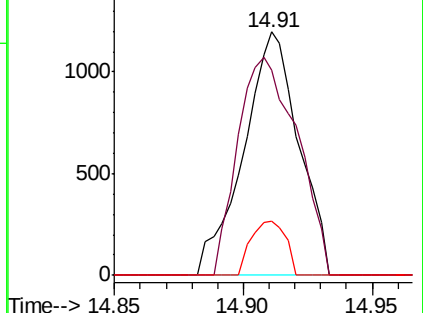
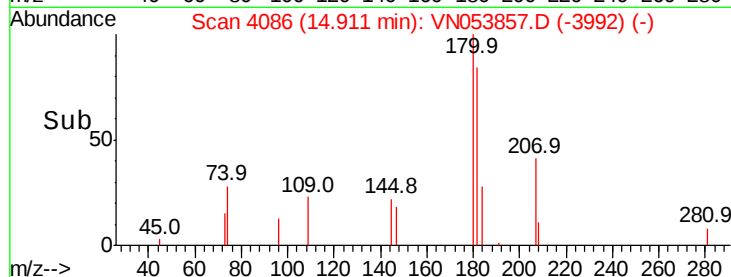
145 14.0 13.9 41.6



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



#95

Naphthalene

Concen: 2.018 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053857.D

Acq: 19 Feb 2019 9:38

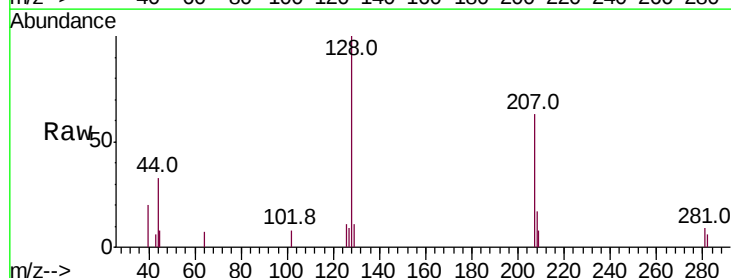
Tgt Ion:128 Resp: 4688

Ion Ratio Lower Upper

128 100

127 7.8 10.3 15.5#

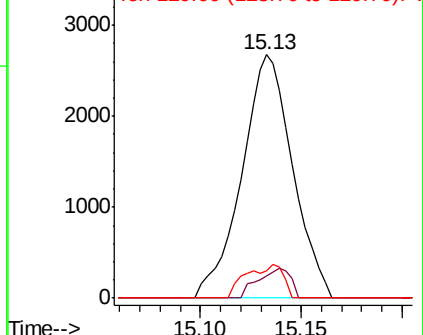
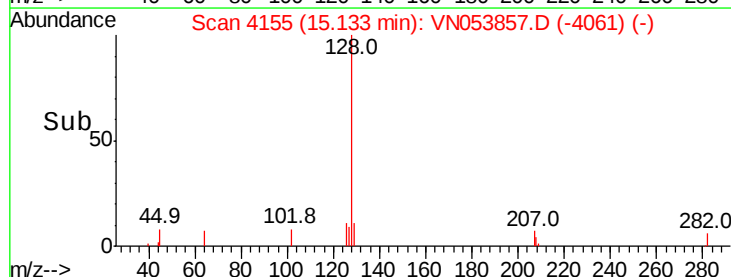
129 10.2 8.6 13.0

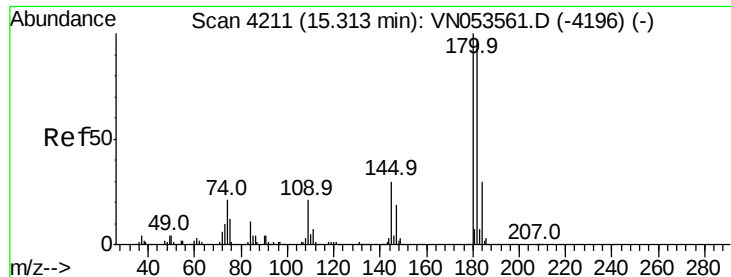


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN053857.D
 Acq: 19 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBL01

Tot Ion:180 Resp: 1311
 Ion Ratio Lower Upper
 180 100
 182 142.9 47.9 143.8
 145 45.8 14.7 44.1#

