

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053518.D
 Acq On : 22 Jan 2019 14:43
 Operator : JC/SP
 Sample : K1215-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW524-4246

Quant Time: Jan 23 02:54:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	847279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1319318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1215198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	522293	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	424277	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
35) Dibromofluoromethane	7.59	113	391796	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
50) Toluene-d8	10.09	98	1625168	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.40	95	551843	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	

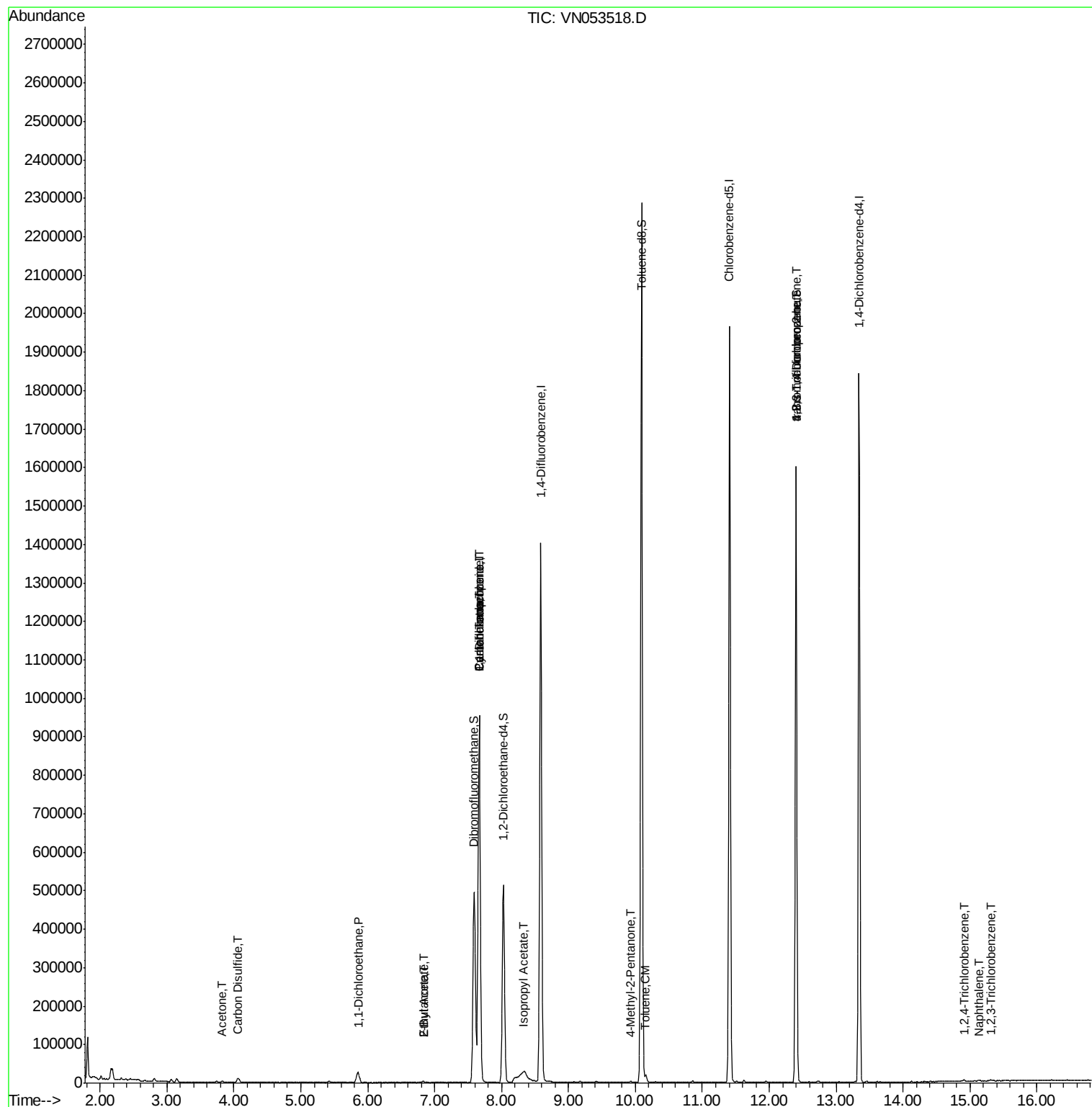
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	7407	3.770	ug/l	96
17) Carbon Disulfide	4.06	76	7463	0.327	ug/l	100
24) 1,1-Dichloroethane	5.86	63	42928	2.839	ug/l	97
25) 2-Butanone	6.84	43	1719	0.568	ug/l #	47
31) Cyclohexane	7.66	56	13741	0.713	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	53378	4.443	ug/l #	49
37) Ethyl Acetate	6.84	43	1719	0.249	ug/l #	67
38) Carbon Tetrachloride	7.67	117	70822	6.226	ug/l #	16
43) Isopropyl Acetate	8.32	43	55312	4.450	ug/l #	51
51) 4-Methyl-2-Pentanone	9.93	43	1470	0.217	ug/l #	34
52) Toluene	10.16	92	7486	0.330	ug/l	93
76) 1,2,3-Trichloropropane	12.40	75	253852	36.882	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	253852	91.143	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1311	2.938	ug/l	94
95) Naphthalene	15.14	128	2937	4.153	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	1155	4.106	ug/l	87

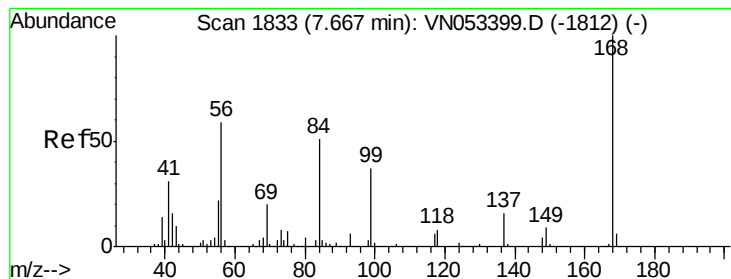
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012219\
Data File : VN053518.D
Acq On : 22 Jan 2019 14:43
Operator : JC/SP
Sample : K1215-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 28

Instrument :
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ClientSampleId :
SA-TW524-4246

Quant Time: Jan 23 02:54:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
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: VN053518.D

Acq: 22 Jan 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

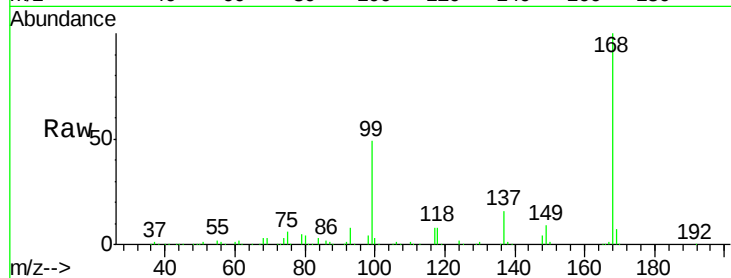
SA-TW524-4246

Tot Ion:168 Resp: 847279

Ion Ratio Lower Upper

168 100

99 49.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.67

400000

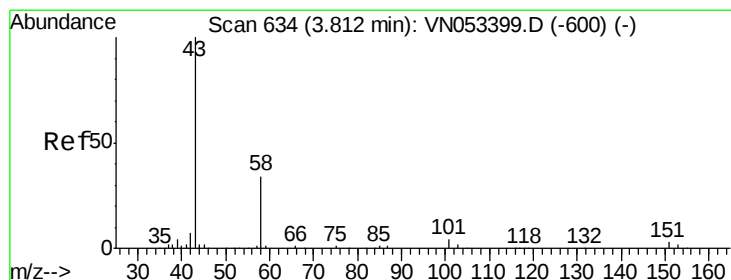
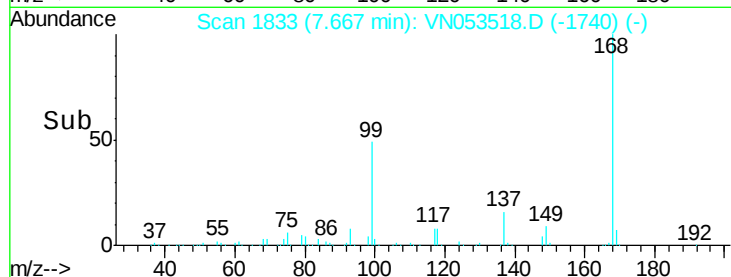
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.770 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053518.D

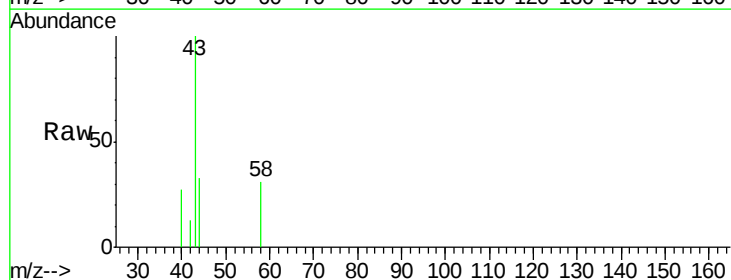
Acq: 22 Jan 2019 14:43

Tgt Ion: 43 Resp: 7407

Ion Ratio Lower Upper

43 100

58 31.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)

3.82

3000

2500

2000

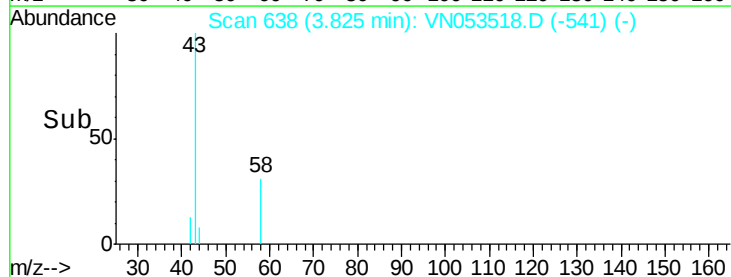
1500

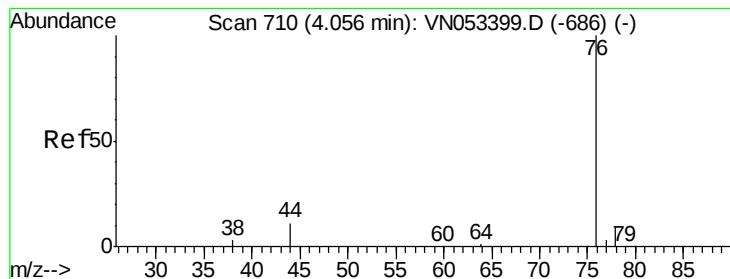
1000

500

0

Time-->





#17

Carbon Disulfide

Concen: 0.327 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

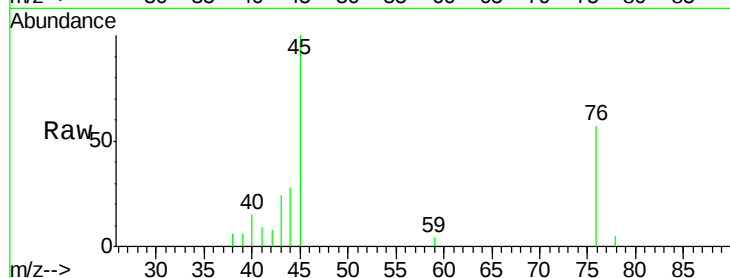
SA-TW524-4246

Tot Ion: 76 Resp: 7463

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

Time-->

4.00 4.05 4.10

3000

2500

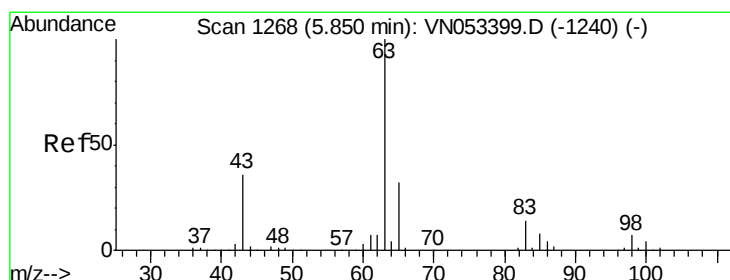
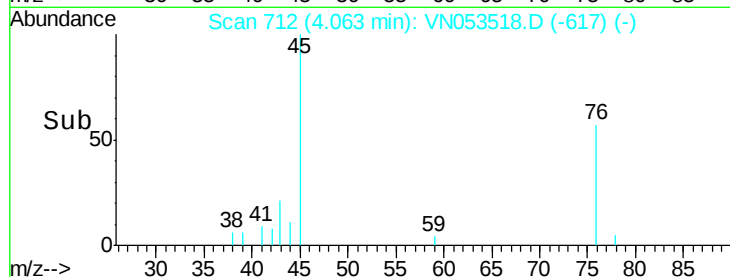
2000

1500

1000

500

0



#24

1,1-Dichloroethane

Concen: 2.839 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

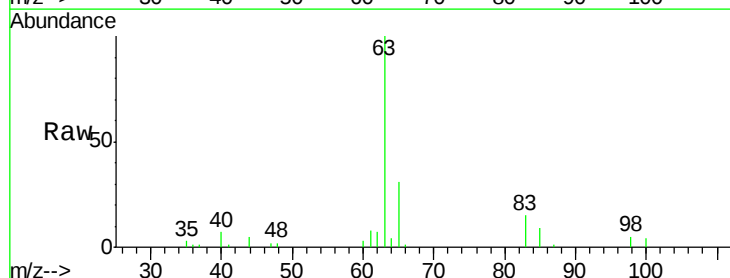
Tgt Ion: 63 Resp: 42928

Ion Ratio Lower Upper

63 100

98 5.1 3.3 9.9

100 3.7 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

Time-->

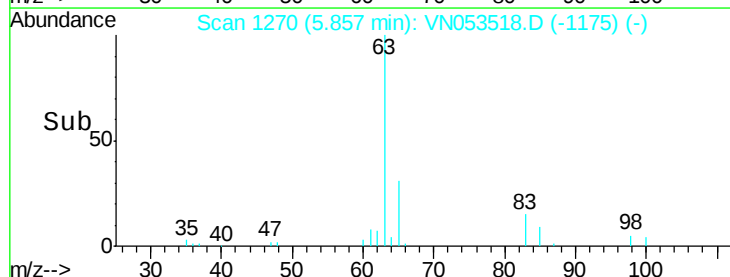
5.80 5.90

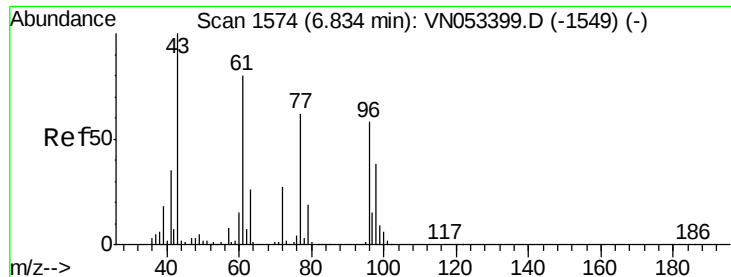
15000

10000

5000

0





#25

2-Butanone

Concen: 0.568 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

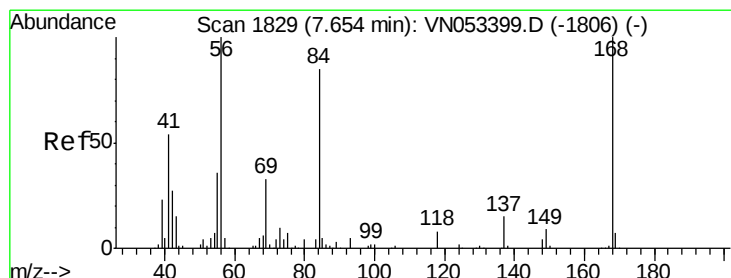
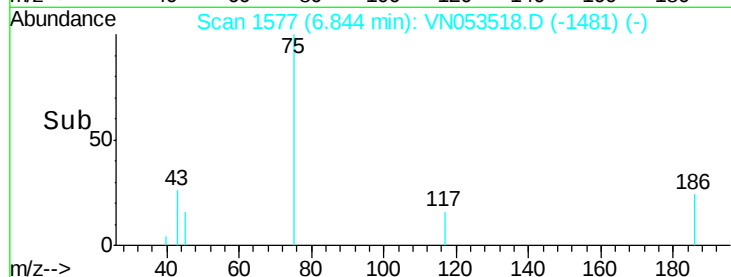
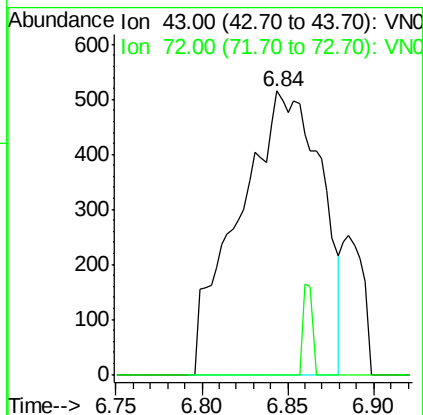
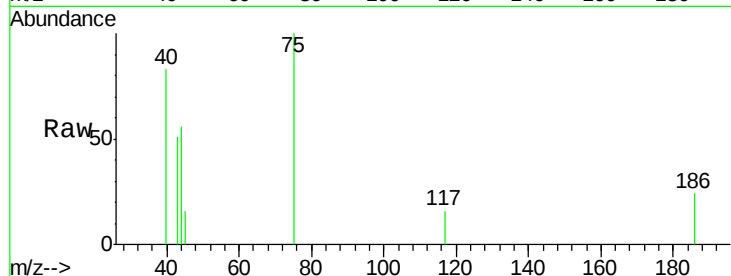
SA-TW524-4246

Tot Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#31

Cyclohexane

Concen: 0.713 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

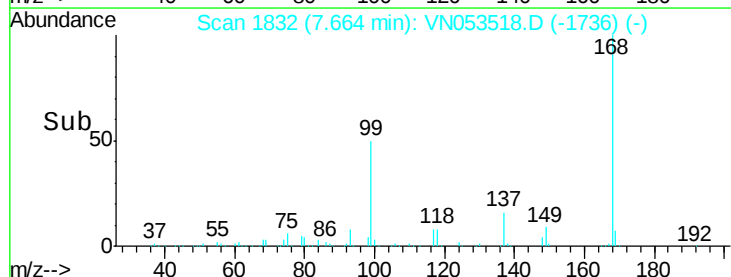
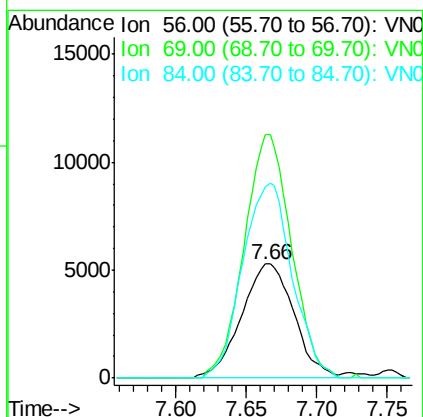
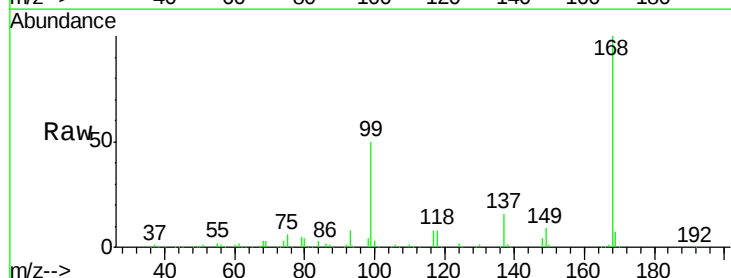
Tgt Ion: 56 Resp: 13741

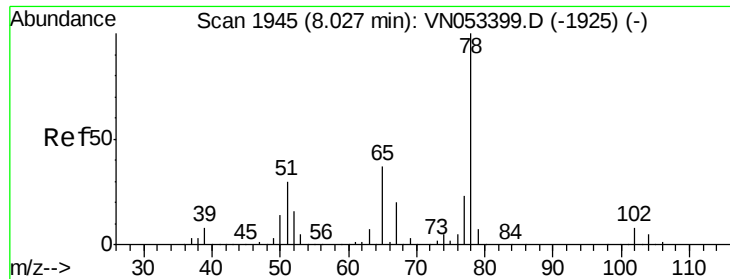
Ion Ratio Lower Upper

56 100

69 213.6 26.4 39.6#

84 167.3 67.9 101.9#

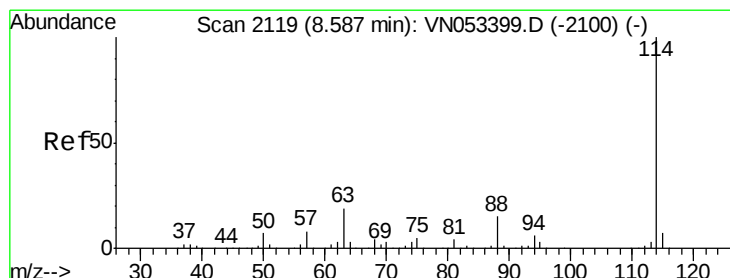
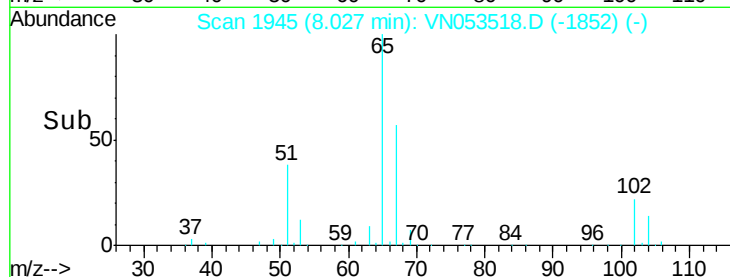
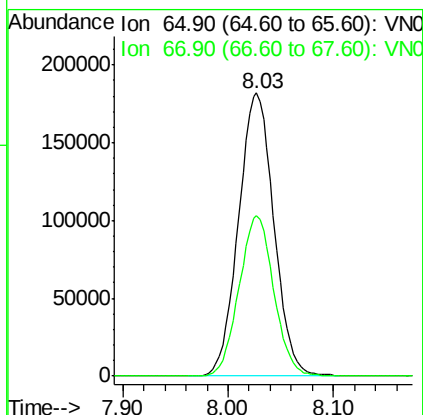
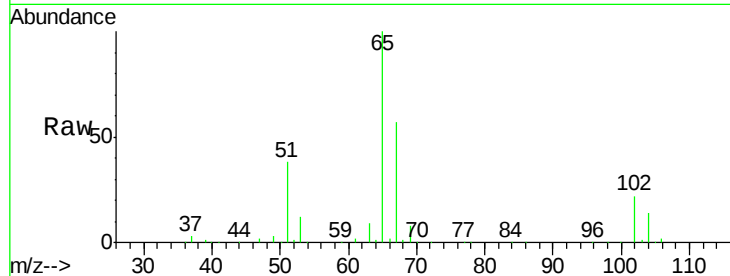




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053518.D
 Acq: 22 Jan 2019 14:43

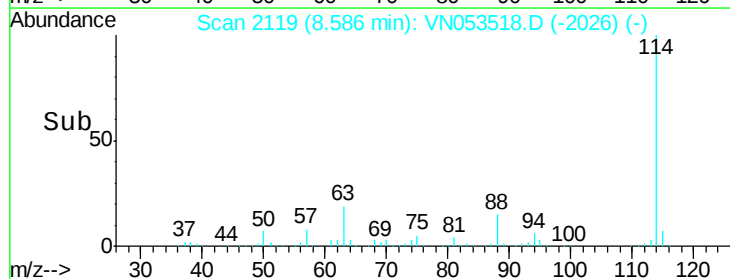
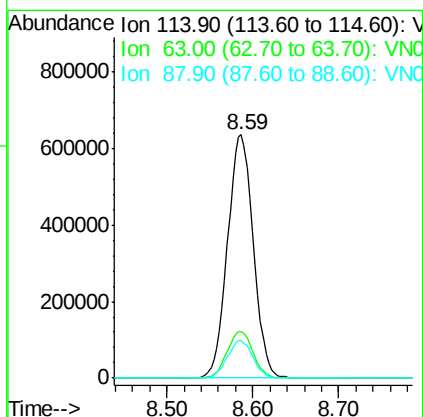
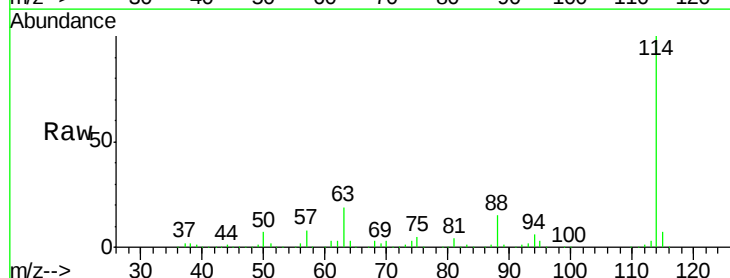
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW524-4246

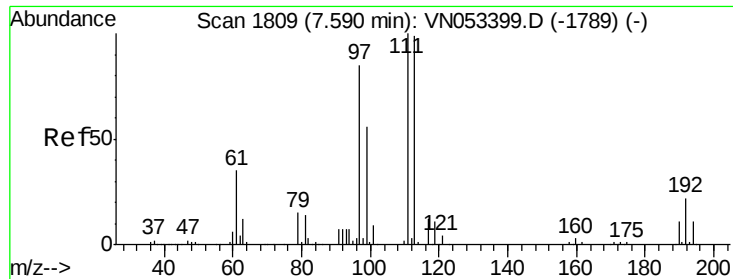
Tot Ion: 65 Resp: 424277
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053518.D
 Acq: 22 Jan 2019 14:43

Tgt Ion: 114 Resp: 1319318
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.3 0.0 30.4

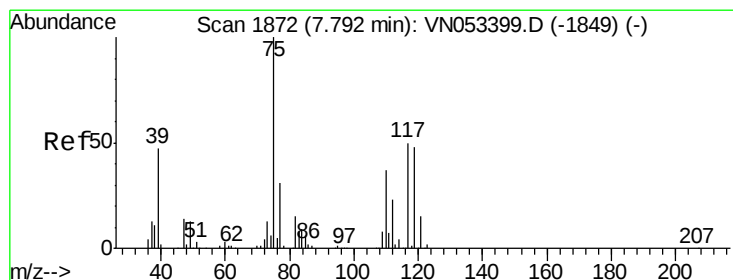
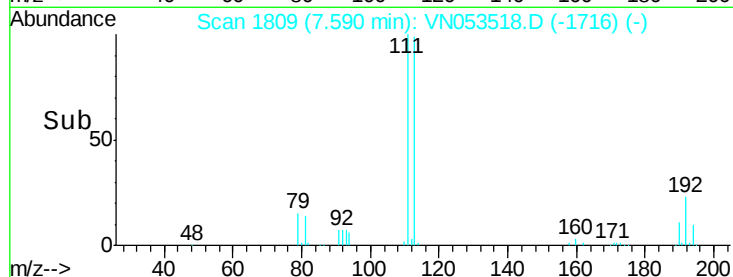
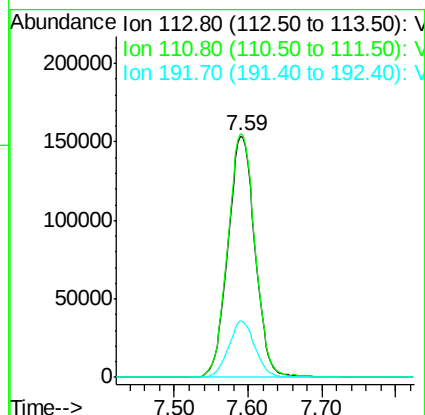
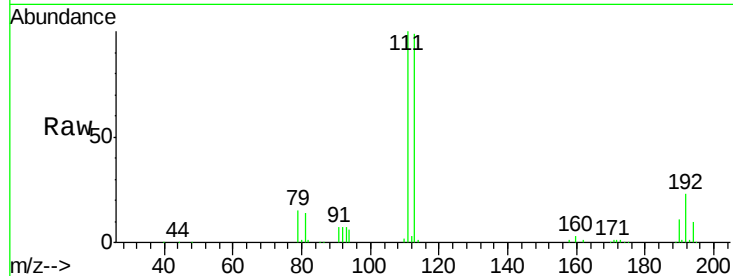




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053518.D
 Acq: 22 Jan 2019 14:43

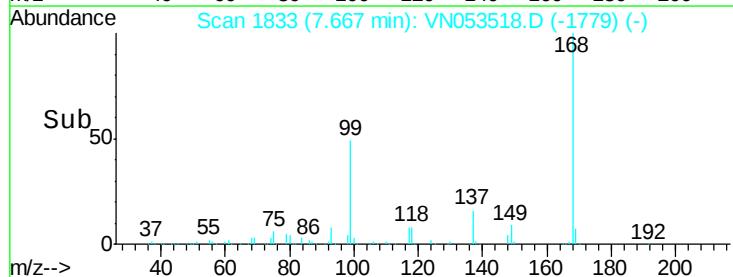
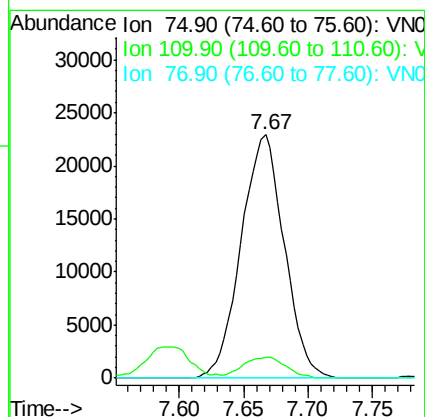
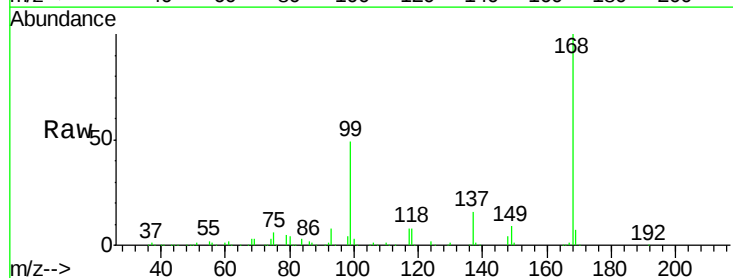
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 ClientSampleId :
 SA-TW524-4246

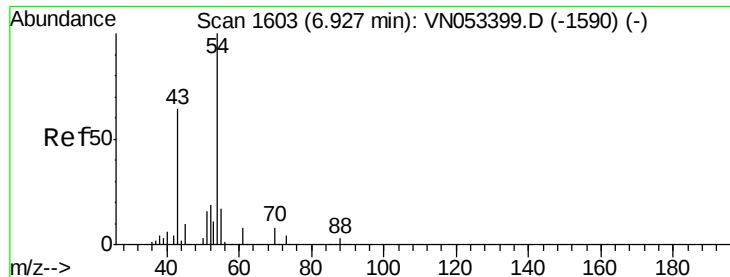
Tot Ion:113 Resp: 391796
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 22.8 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.443 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053518.D
 Acq: 22 Jan 2019 14:43

Tgt Ion: 75 Resp: 53378
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.3#
 77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.249 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.08 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

SA-TW524-4246

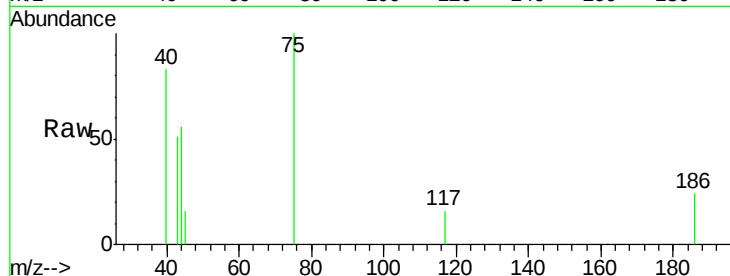
Tot Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1590) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1590) (-)

Ion 70.00 (69.70 to 70.70): VN053399.D (-1590) (-)

6.84

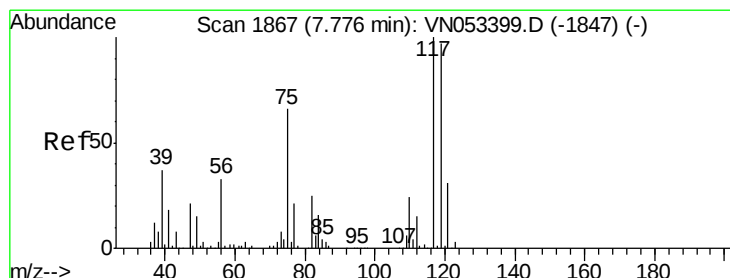
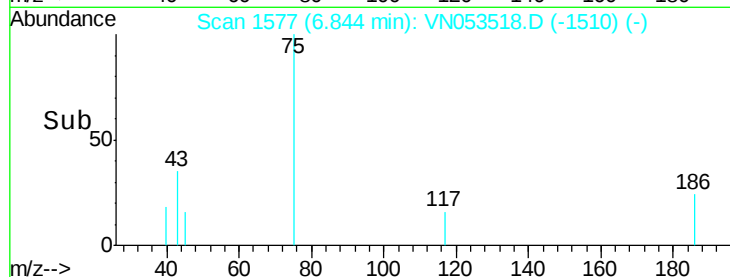
400

200

0

6.75 6.80 6.85 6.90

Time-->



#38

Carbon Tetrachloride

Concen: 6.226 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

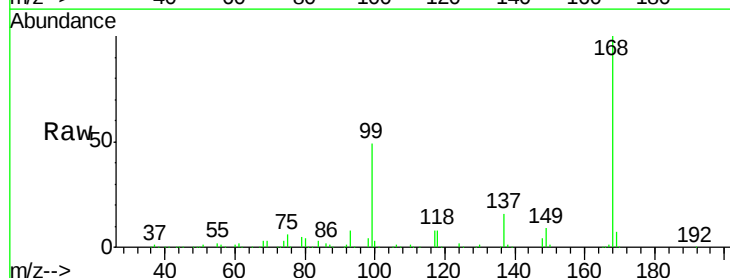
Tgt Ion: 117 Resp: 70822

Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053399.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053399.D (-1847) (-)

7.67

40000

30000

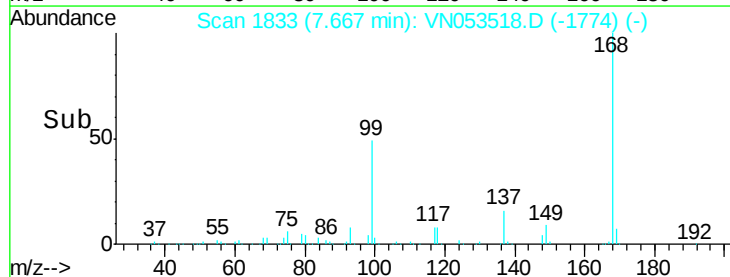
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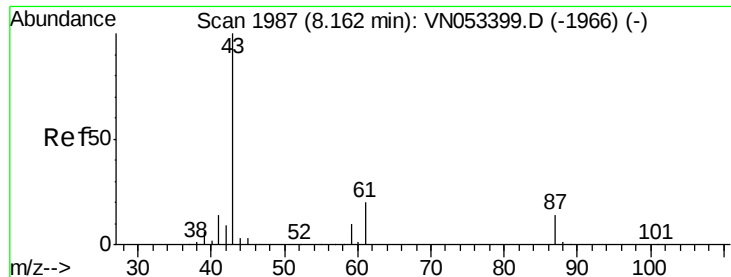
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#43

Isopropyl Acetate

Concen: 4.450 ug/l

RT: 8.32 min Scan# 2036

Delta R.T. 0.16 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

Instrument :

MSVOA_N

ClientSampled :

SA-TW524-4246

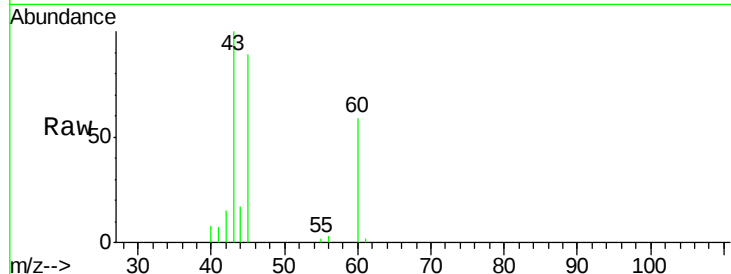
Tot Ion: 43 Resp: 55312

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

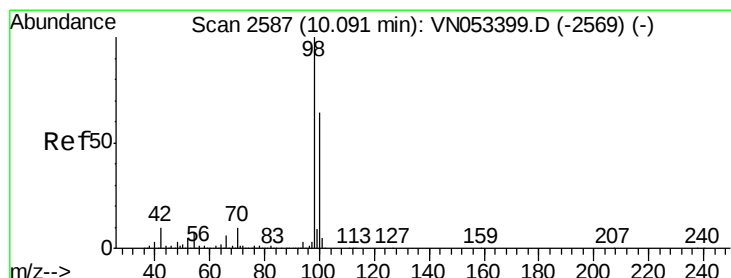
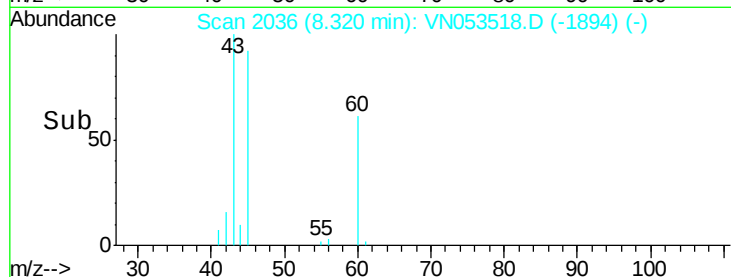
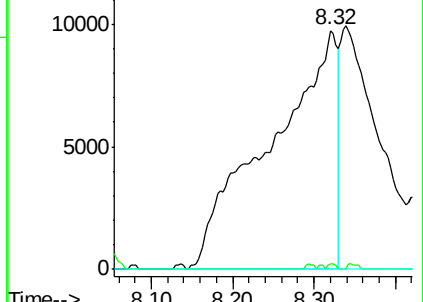
87 0.0 11.0 16.6#



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: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053518.D

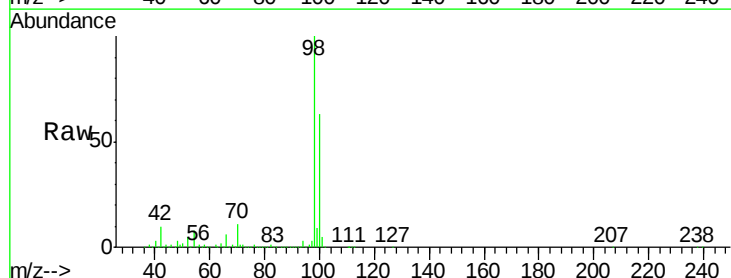
Acq: 22 Jan 2019 14:43

Tgt Ion: 98 Resp: 1625168

Ion Ratio Lower Upper

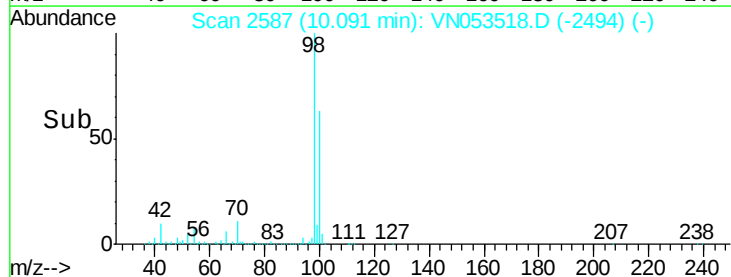
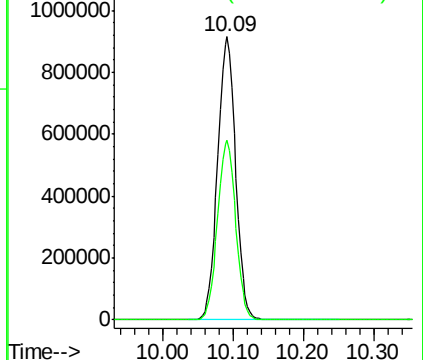
98 100

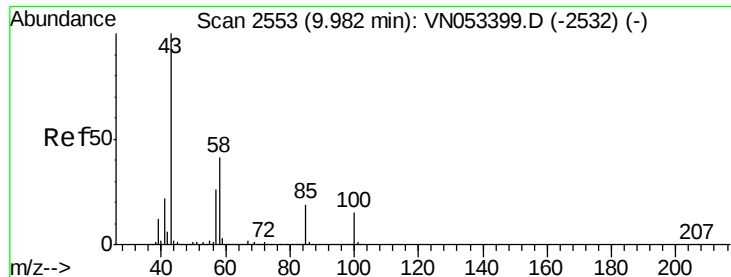
100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

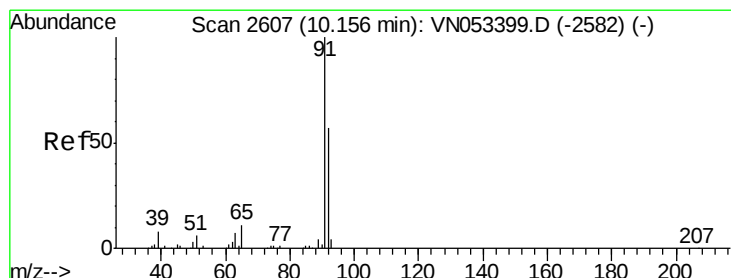
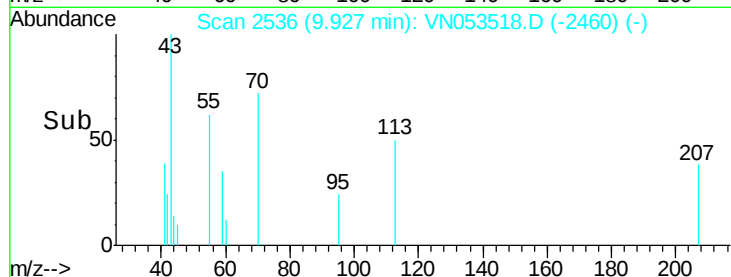
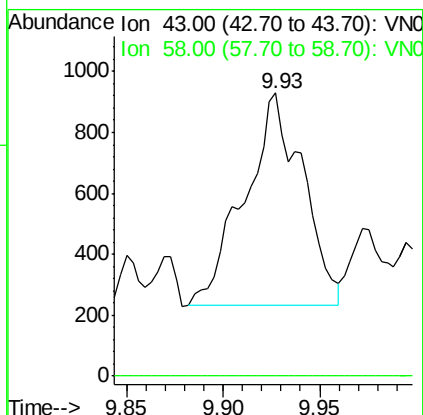
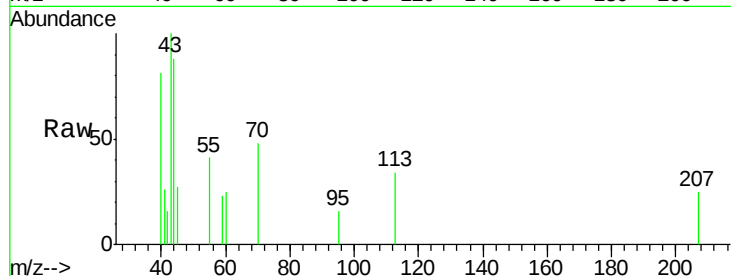




#51
4-Methyl-2-Pentanone
Concen: 0.217 ug/l
RT: 9.93 min Scan# 2536
Delta R.T. -0.05 min
Lab File: VN053518.D
Acq: 22 Jan 2019 14:43

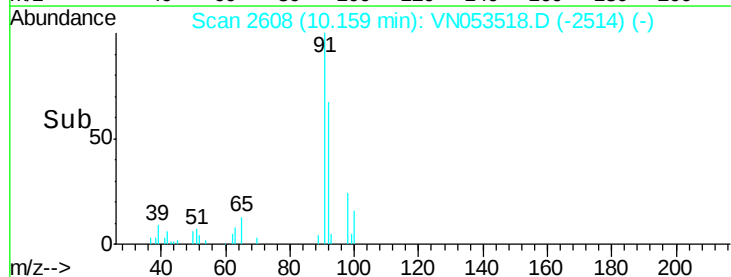
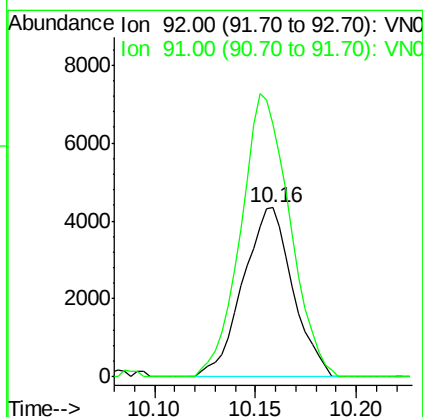
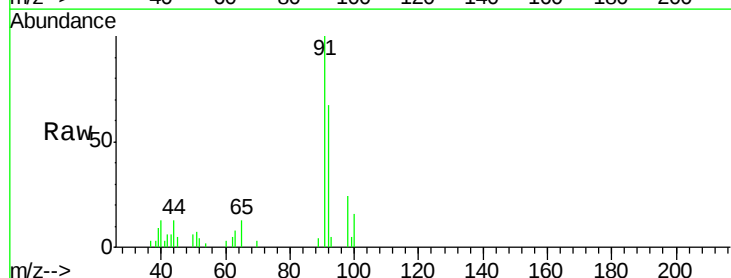
Instrument :
MSVOA_N
ClientSampleId :
SA-TW524-4246

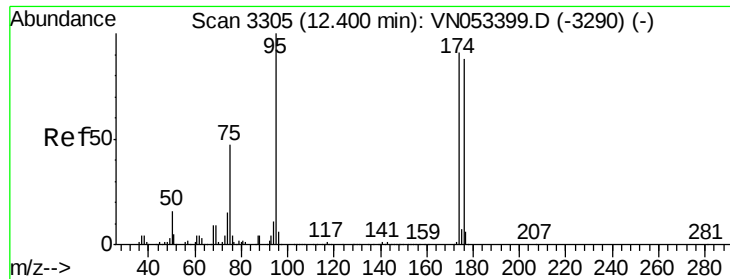
Tot Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#



#52
Toluene
Concen: 0.330 ug/l
RT: 10.16 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN053518.D
Acq: 22 Jan 2019 14:43

Tgt Ion: 92 Resp: 7486
Ion Ratio Lower Upper
92 100
91 164.7 139.9 209.9





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

SA-TW524-4246

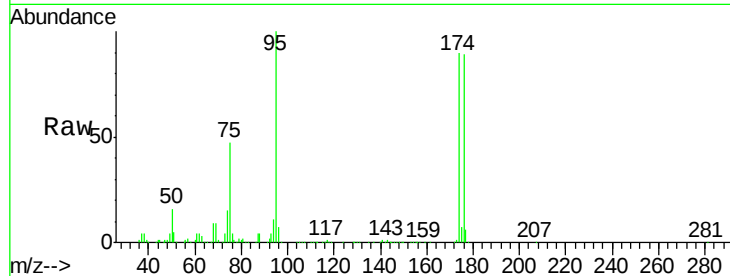
Tot Ion: 95 Resp: 551843

Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.2

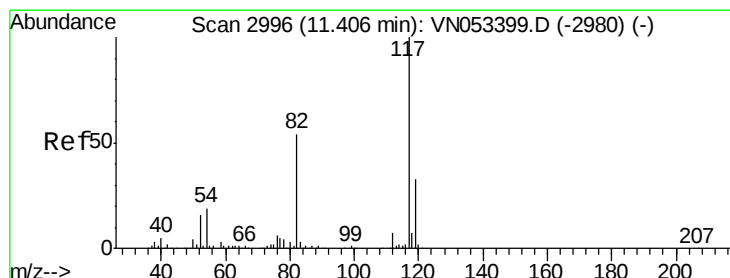
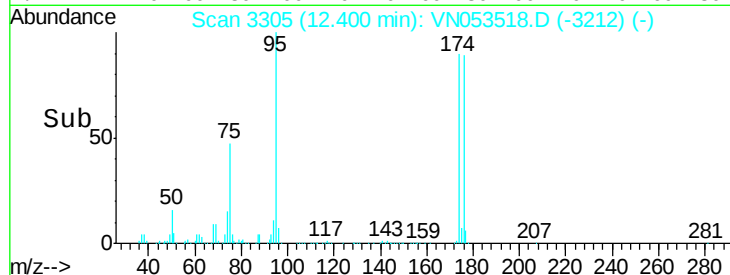
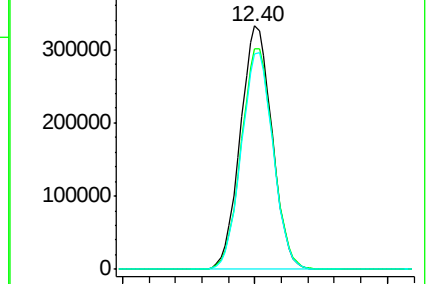
176 89.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

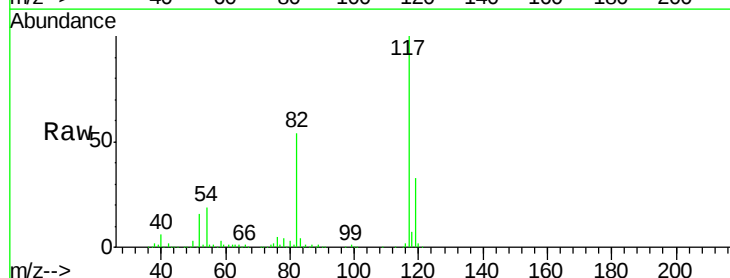
Tgt Ion: 117 Resp: 1215198

Ion Ratio Lower Upper

117 100

82 53.5 42.9 64.3

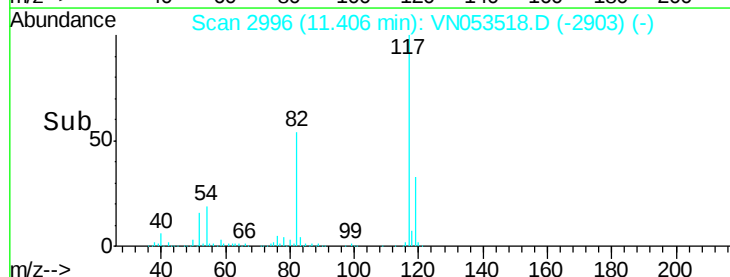
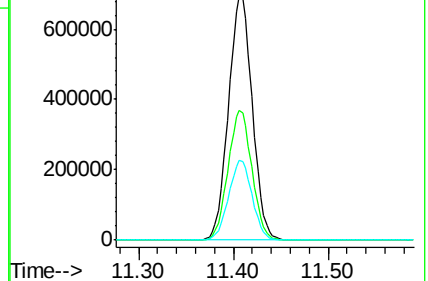
119 32.5 26.0 39.0

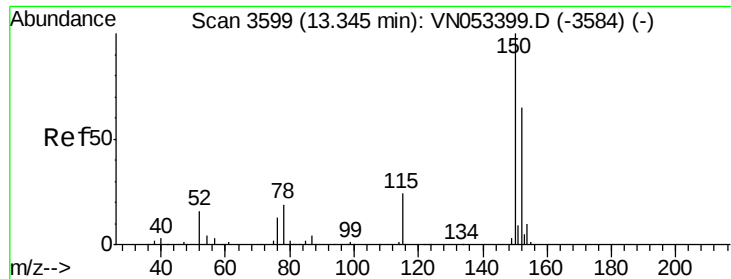


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

Instrument :

MSVOA_N

ClientSampled :

SA-TW524-4246

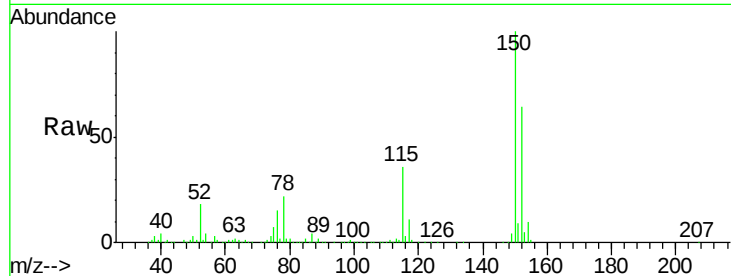
Tot Ion:152 Resp: 522293

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

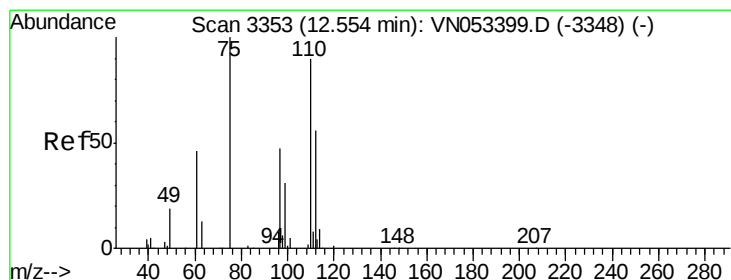
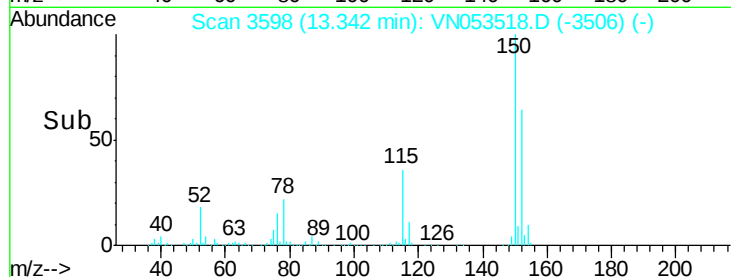
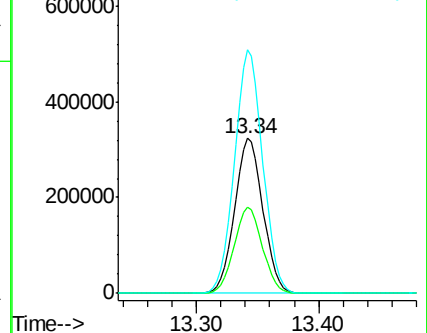
150 156.6 0.0 349.0



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: 36.882 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053518.D

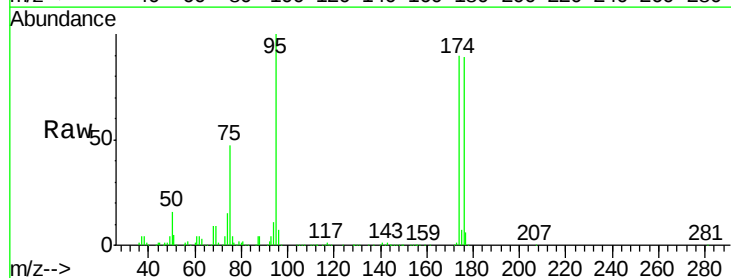
Acq: 22 Jan 2019 14:43

Tgt Ion: 75 Resp: 253852

Ion Ratio Lower Upper

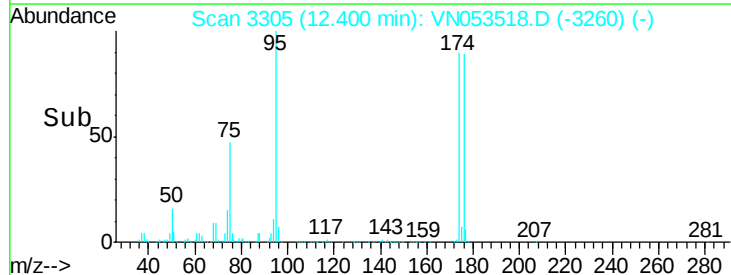
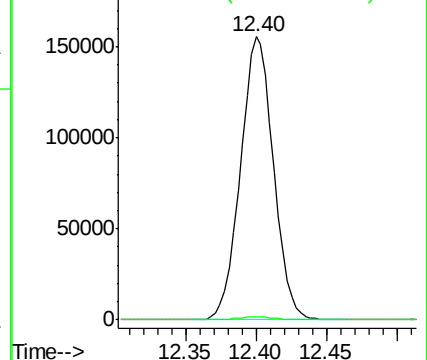
75 100

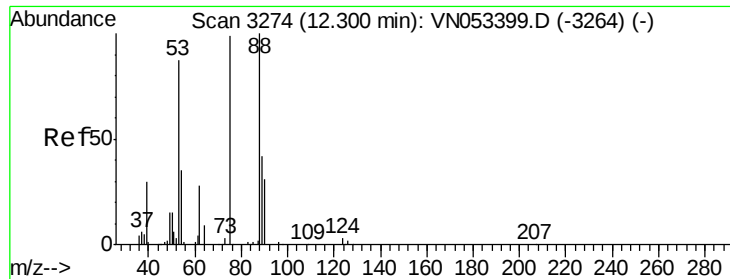
77 1.2 0.0 0.0#



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: 91.143 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

SA-TW524-4246

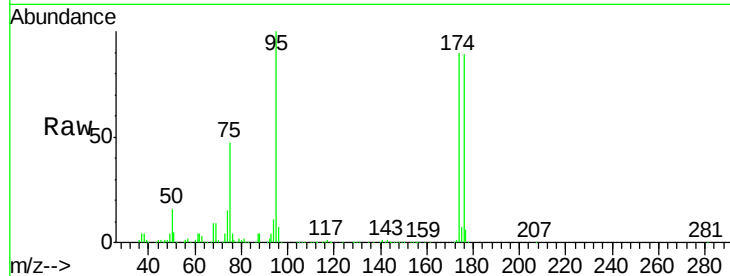
Tot Ion: 75 Resp: 253852

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053399.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053399.D (-3264) (-)

12.40

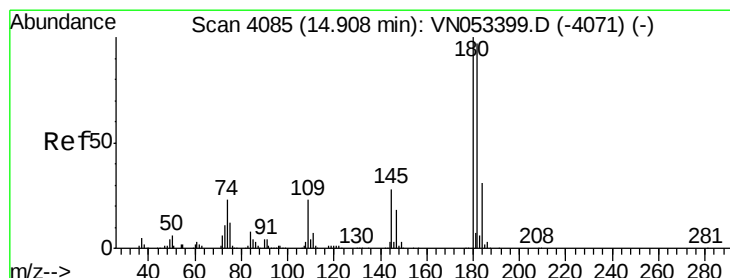
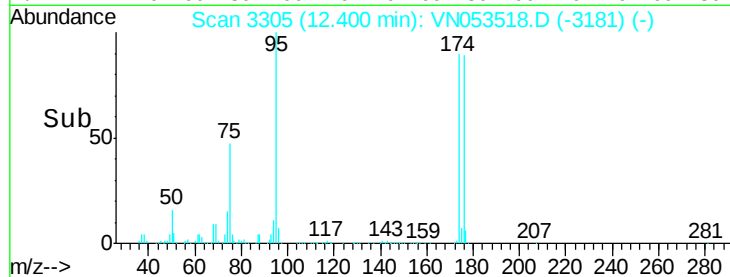
150000

100000

50000

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.938 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

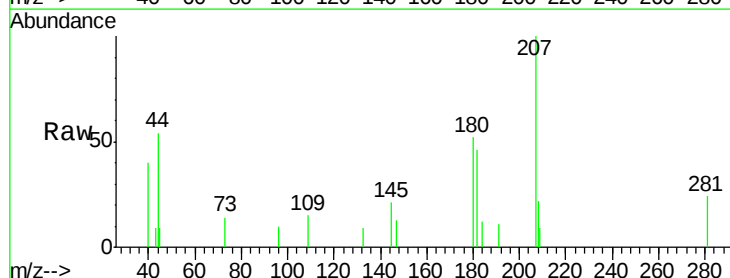
Tgt Ion:180 Resp: 1311

Ion Ratio Lower Upper

180 100

182 103.3 48.1 144.3

145 29.6 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): VN053399.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053399.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053399.D (-4071) (-)

14.91

1200

1000

800

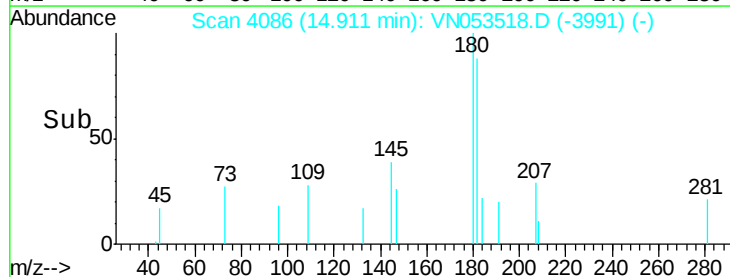
600

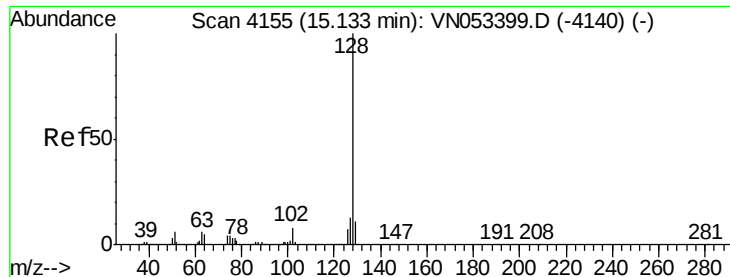
400

200

0

Time-->





#95

Naphthalene

Concen: 4.153 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

SA-TW524-4246

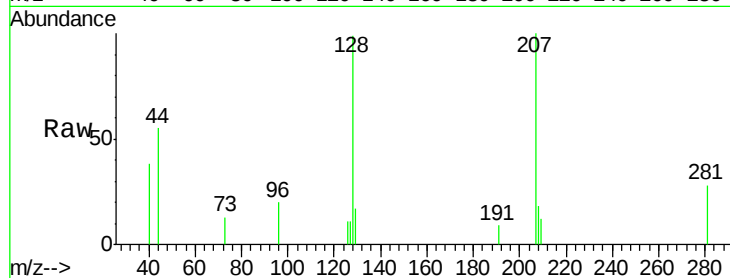
Tot Ion:128 Resp: 2937

Ion Ratio Lower Upper

128 100

127 6.5 10.3 15.5#

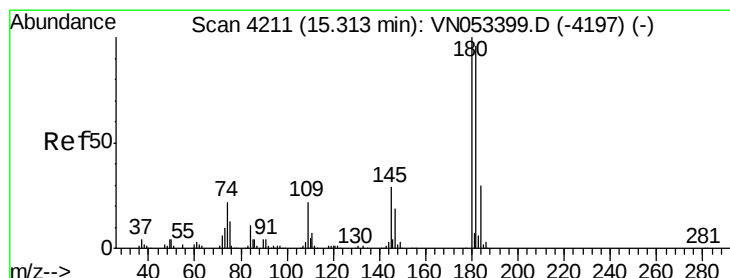
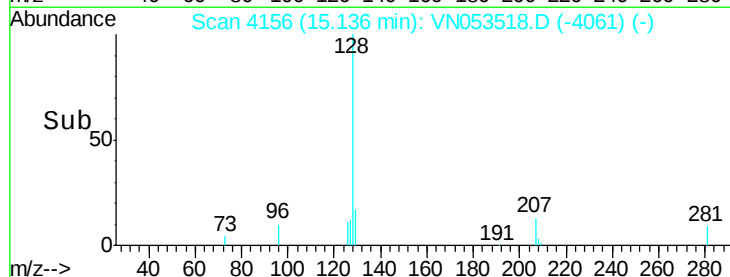
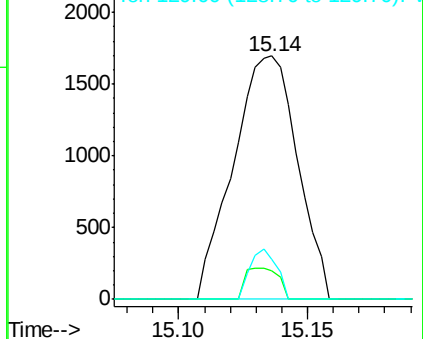
129 8.6 8.6 13.0#



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: 4.106 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN053518.D

Acq: 22 Jan 2019 14:43

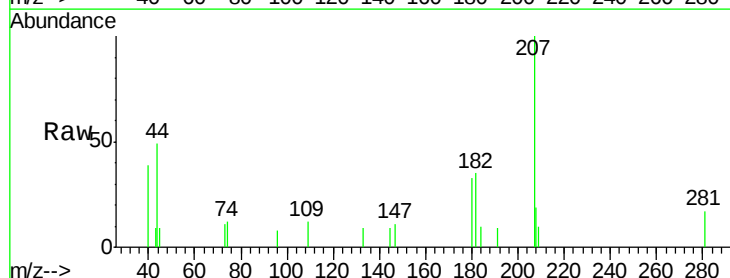
Tgt Ion:180 Resp: 1155

Ion Ratio Lower Upper

180 100

182 87.2 47.9 143.8

145 15.8 14.7 44.1



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

