

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053521.D
 Acq On : 22 Jan 2019 16:03
 Operator : JC/SP
 Sample : K1215-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW530-3337

Quant Time: Jan 23 02:55:25 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	827923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1302200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1222739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	549199	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	426657	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
35) Dibromofluoromethane	7.59	113	388459	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	10.09	98	1612467	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	557612	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	

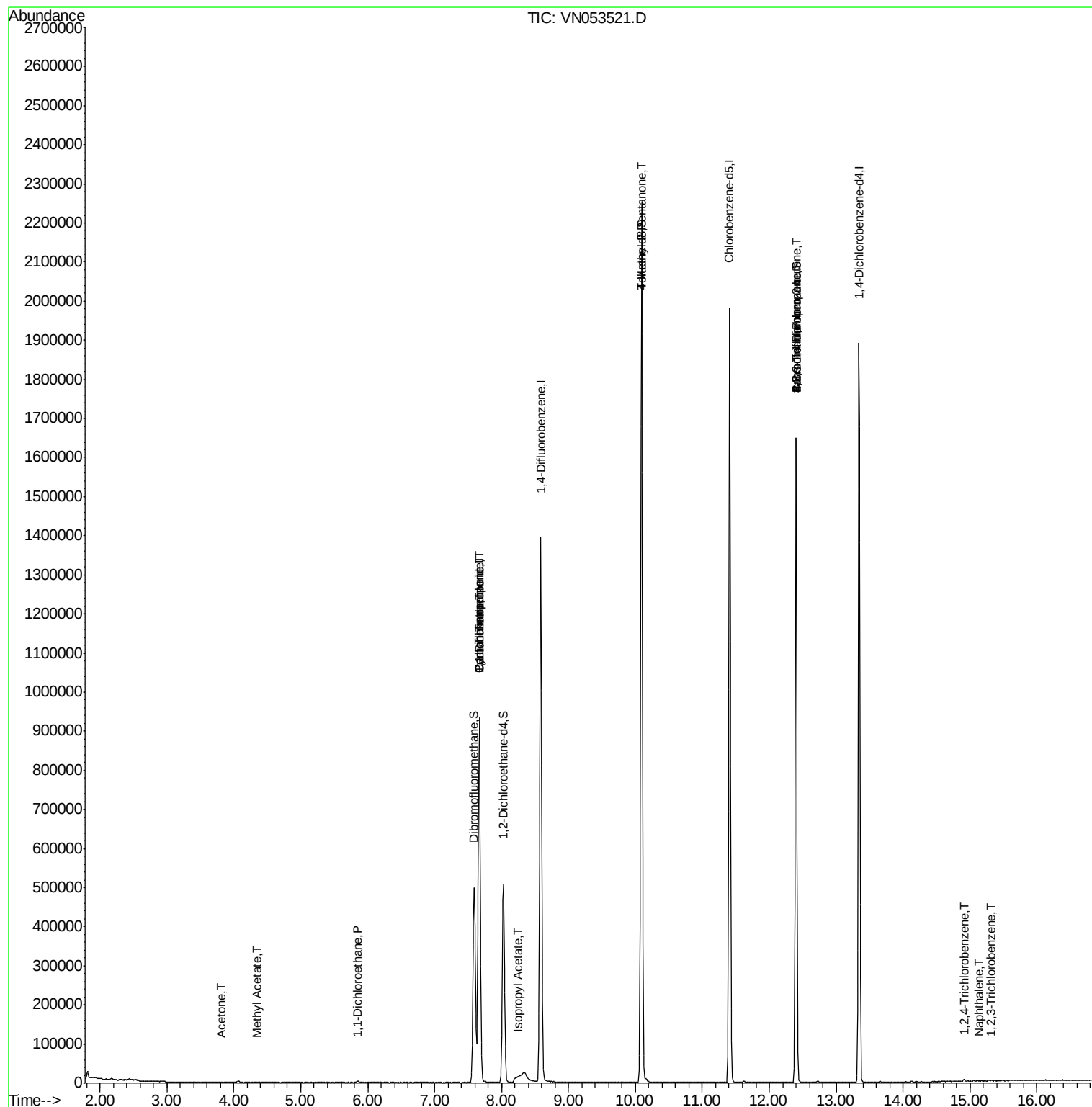
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	1484	0.773	ug/l #	76
18) Methyl Acetate	4.34	43	1588	0.245	ug/l #	70
24) 1,1-Dichloroethane	5.85	63	3160	0.214	ug/l #	83
31) Cyclohexane	7.66	56	13706	0.733	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	53373	4.501	ug/l #	49
38) Carbon Tetrachloride	7.67	117	71731	6.389	ug/l #	16
43) Isopropyl Acetate	8.24	43	17016	1.387	ug/l #	51
51) 4-Methyl-2-Pentanone	10.09	43	5829	0.870	ug/l #	1
71) Bromoform	12.40	173	2656	0.428	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	259605	35.870	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	259605	88.712	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1529	2.957	ug/l #	85
95) Naphthalene	15.13	128	564	3.978	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	468	3.982	ug/l #	47

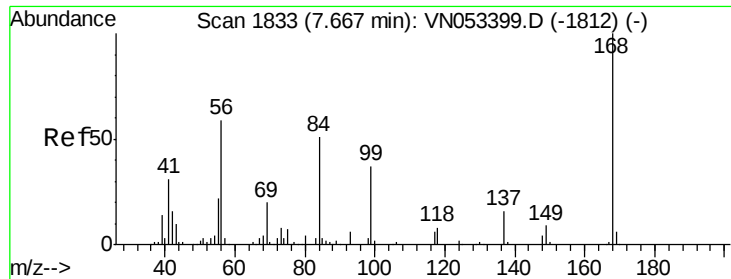
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053521.D

Acq: 22 Jan 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

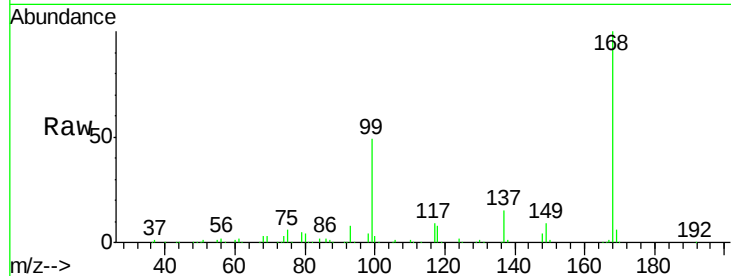
SA-TW530-3337

Tot Ion:168 Resp: 827923

Ion Ratio Lower Upper

168 100

99 49.0 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

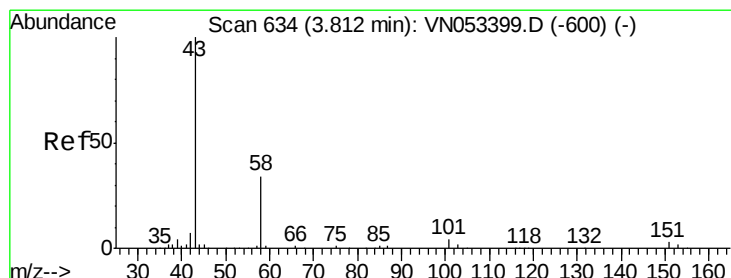
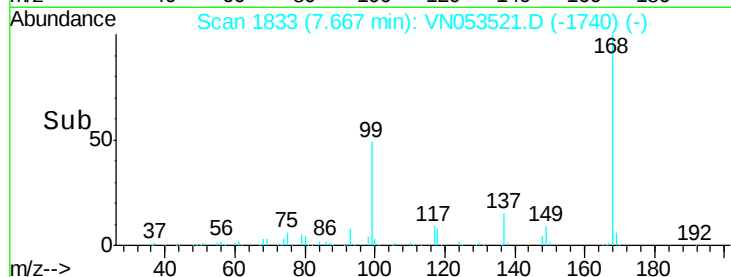
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 0.773 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053521.D

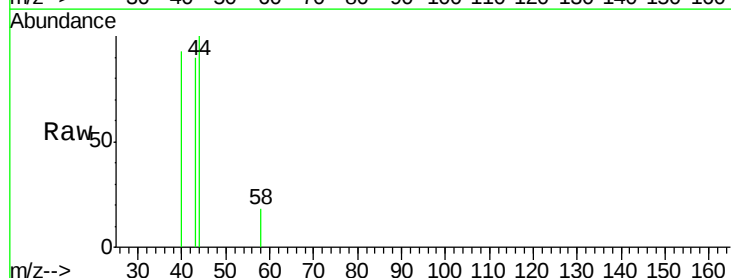
Acq: 22 Jan 2019 16:03

Tgt Ion: 43 Resp: 1484

Ion Ratio Lower Upper

43 100

58 20.1 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) (-)

3.81

800

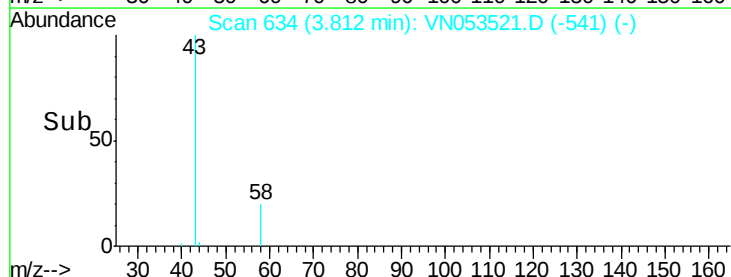
600

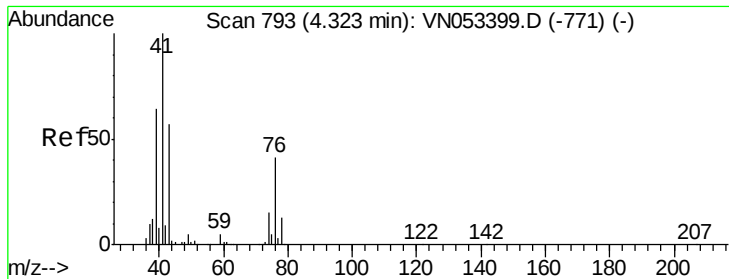
400

200

0

Time-->

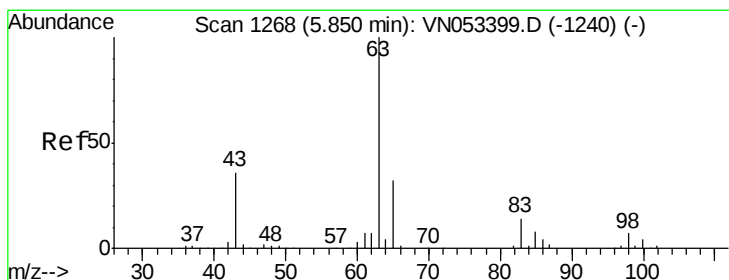
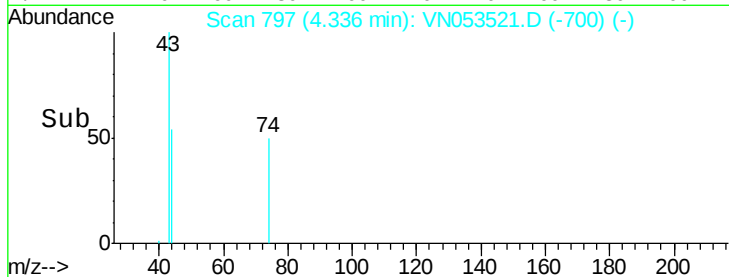
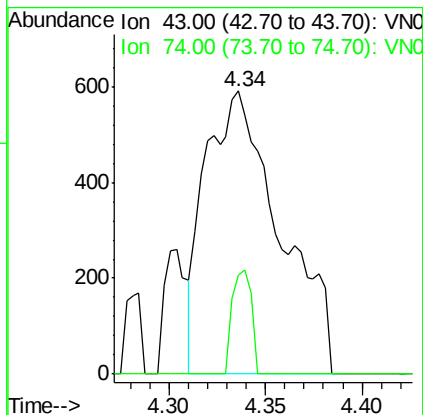
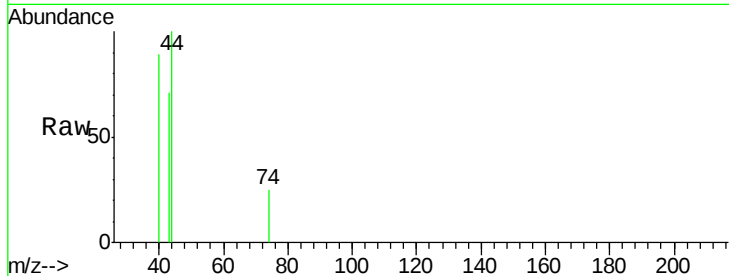




#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053521.D
Acq: 22 Jan 2019 16:03

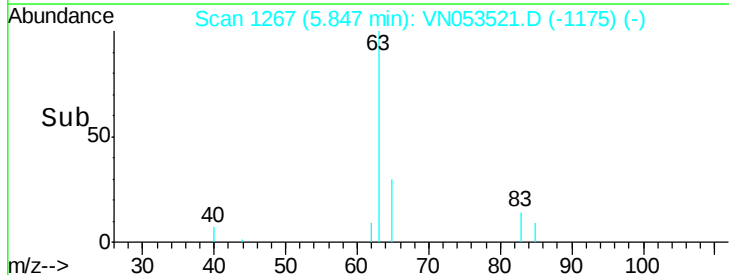
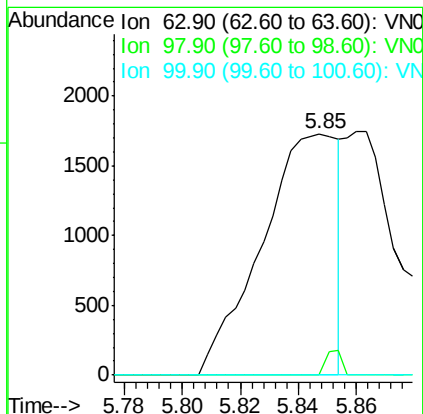
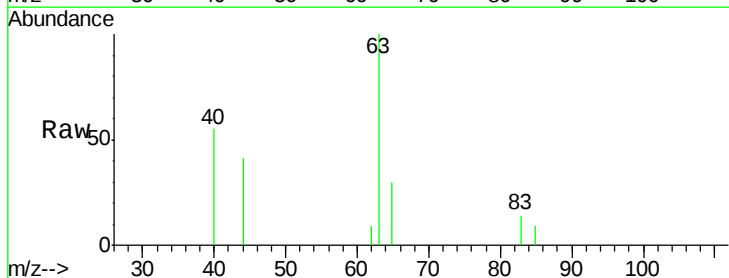
Instrument :
MSVOA_N
ClientSampleId :
SA-TW530-3337

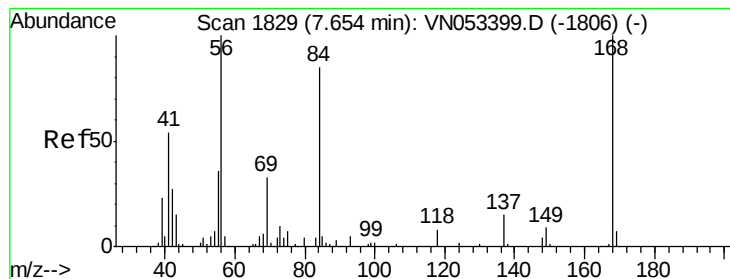
Tot Ion: 43 Resp: 1588
Ion Ratio Lower Upper
43 100
74 9.2 19.4 29.2#



#24
1,1-Dichloroethane
Concen: 0.214 ug/l
RT: 5.85 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VN053521.D
Acq: 22 Jan 2019 16:03

Tgt Ion: 63 Resp: 3160
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.1 6.5#





#31

Cyclohexane

Concen: 0.733 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

SA-TW530-3337

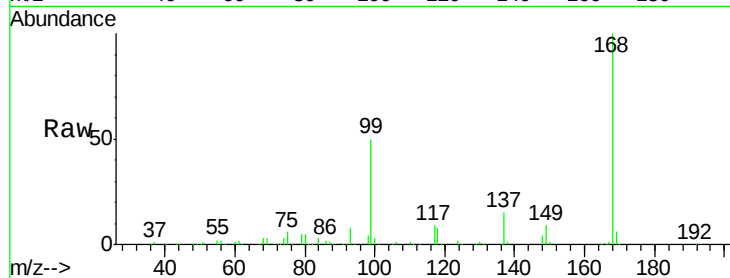
Tot Ion: 56 Resp: 13706

Ion Ratio Lower Upper

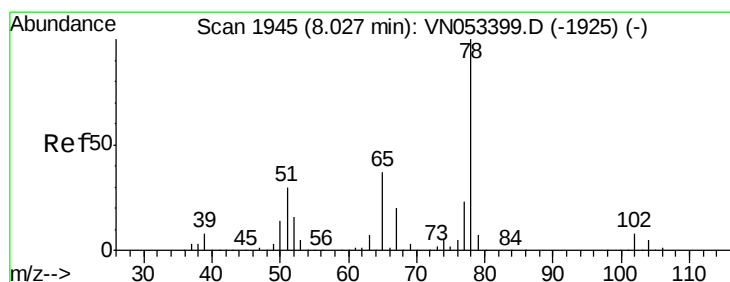
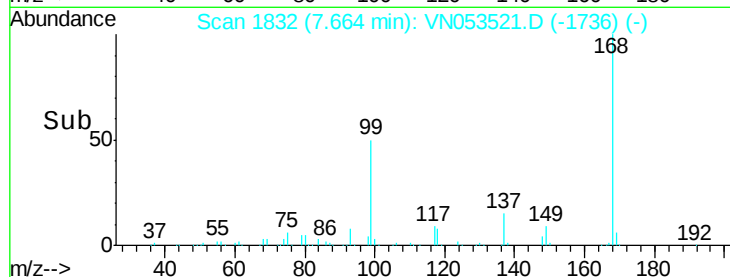
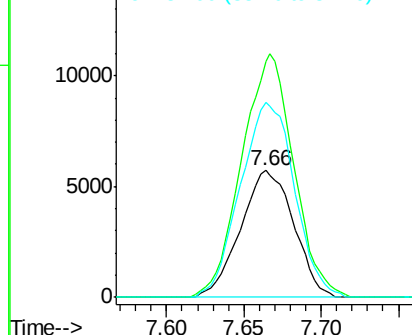
56 100

69 185.6 26.4 39.6#

84 153.4 67.9 101.9#



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



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053521.D

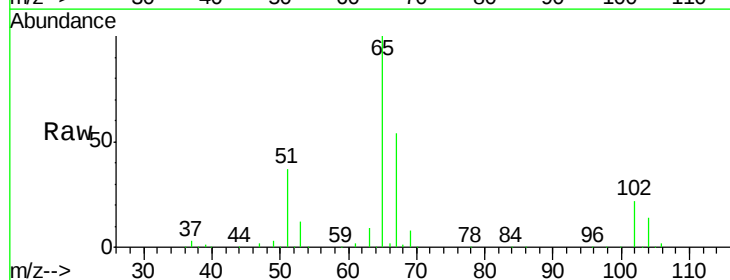
Acq: 22 Jan 2019 16:03

Tgt Ion: 65 Resp: 426657

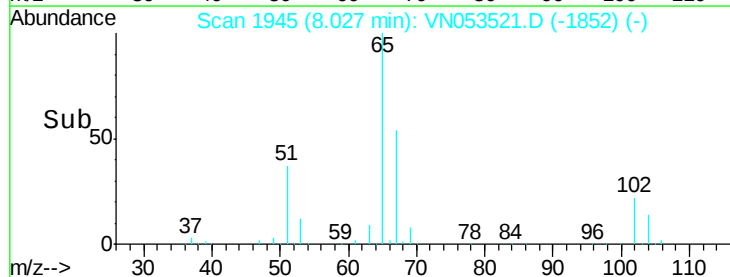
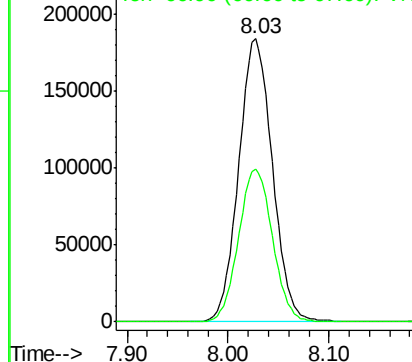
Ion Ratio Lower Upper

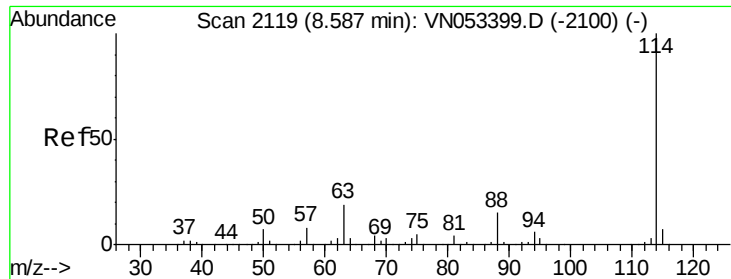
65 100

67 54.5 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

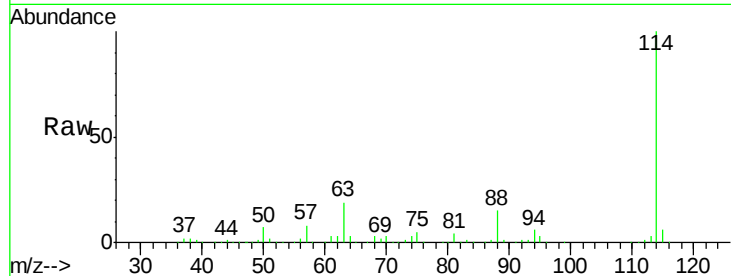




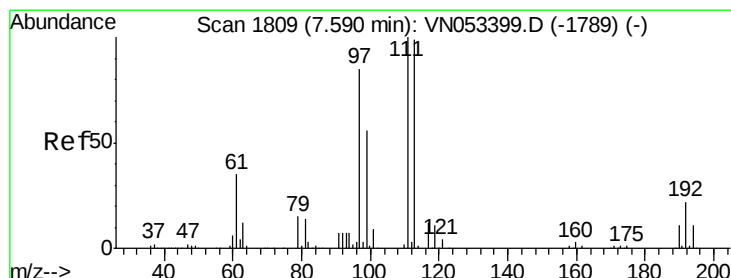
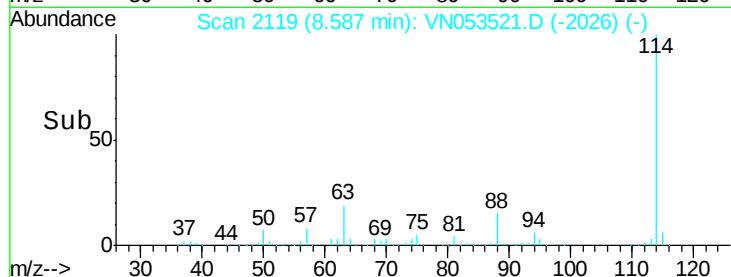
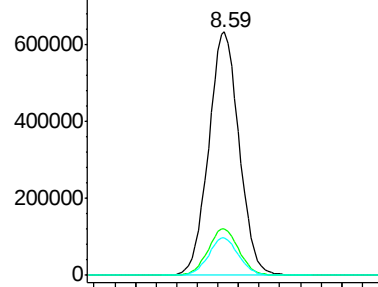
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053521.D
 Acq: 22 Jan 2019 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW530-3337

Tot Ion:114 Resp: 1302200
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.4 0.0 30.4

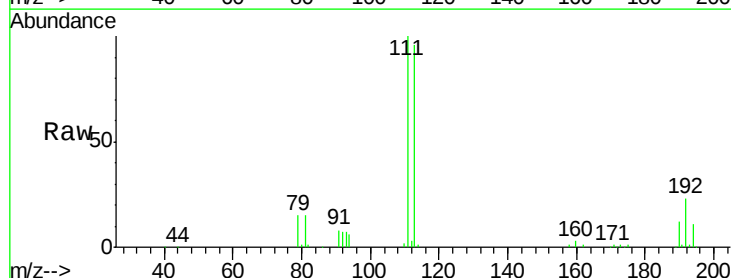


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

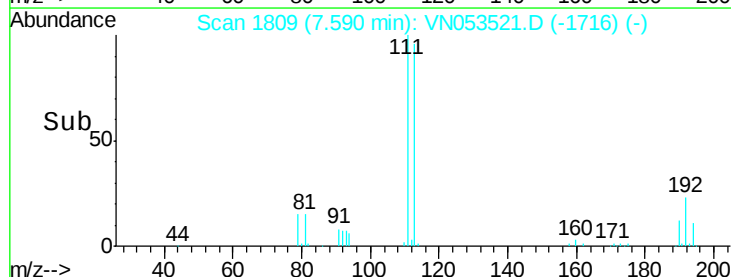
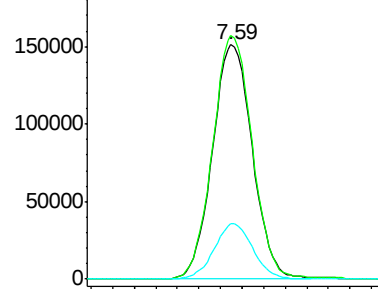


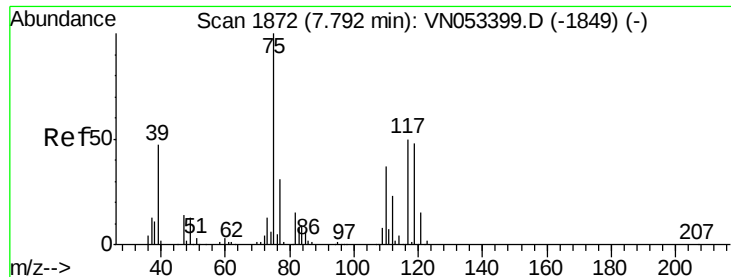
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053521.D
 Acq: 22 Jan 2019 16:03

Tgt Ion:113 Resp: 388459
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.1 121.7
 192 22.9 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: 4.501 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

SA-TW530-3337

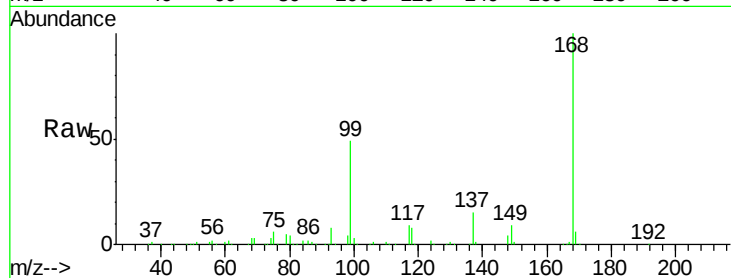
Tot Ion: 75 Resp: 53373

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

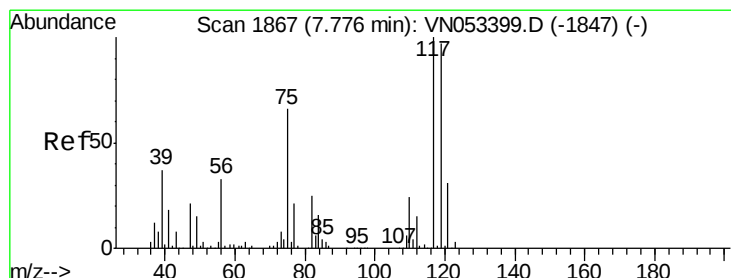
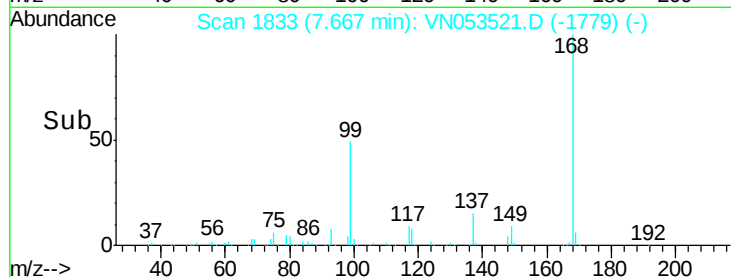
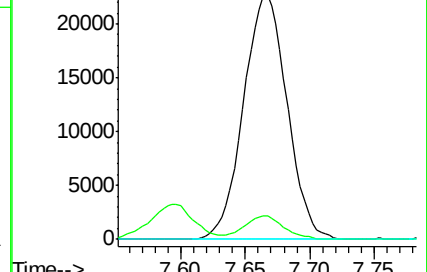
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN053399.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053399.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 6.389 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

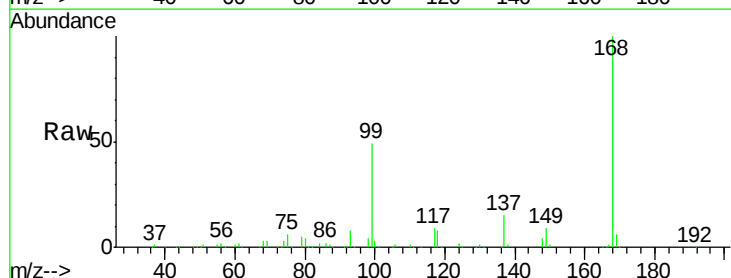
Tgt Ion: 117 Resp: 71731

Ion Ratio Lower Upper

117 100

119 5.2 77.2 115.8#

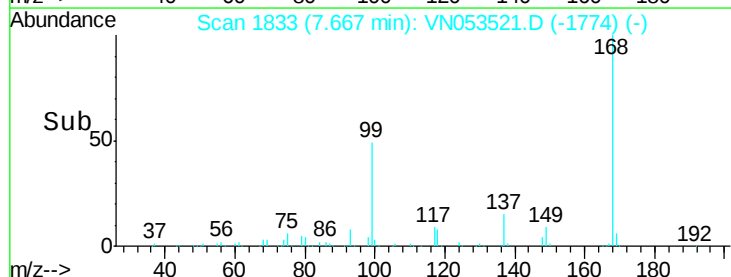
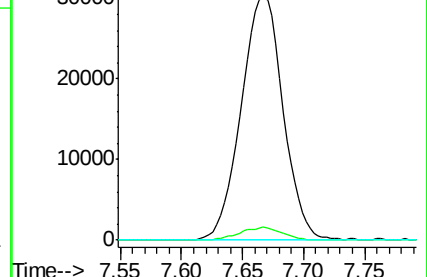
121 0.0 24.6 37.0#

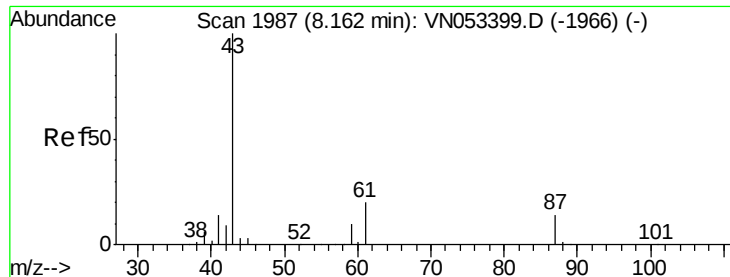


Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)

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

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





#43

Isopropyl Acetate

Concen: 1.387 ug/l

RT: 8.24 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

SA-TW530-3337

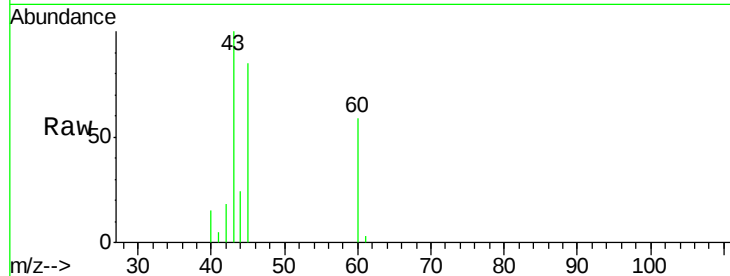
Tot Ion: 43 Resp: 17016

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

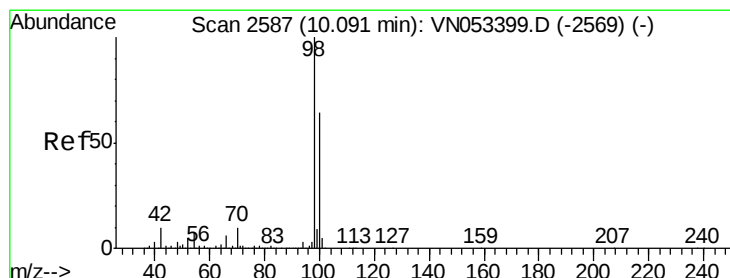
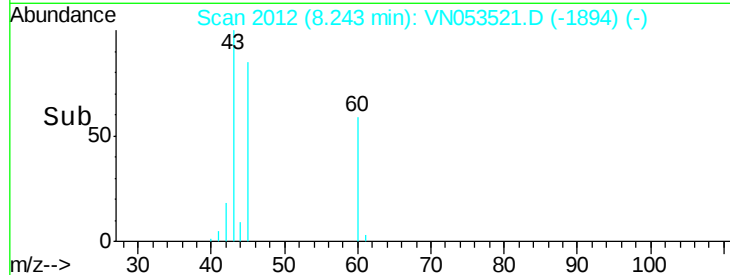
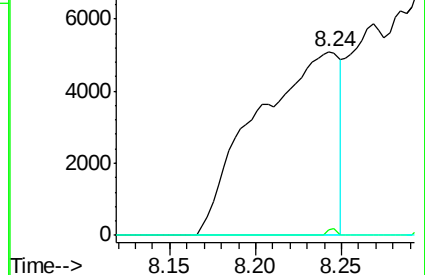
87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053521.D

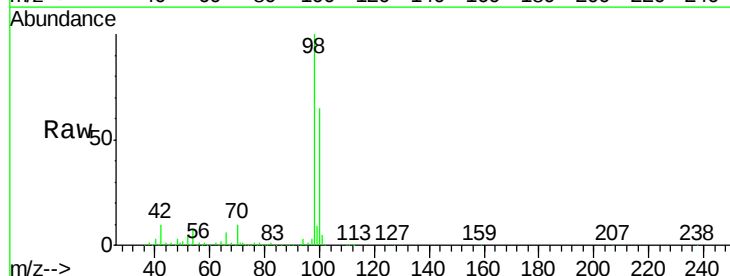
Acq: 22 Jan 2019 16:03

Tgt Ion: 98 Resp: 1612467

Ion Ratio Lower Upper

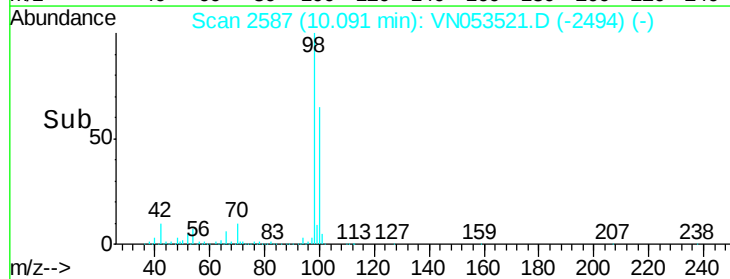
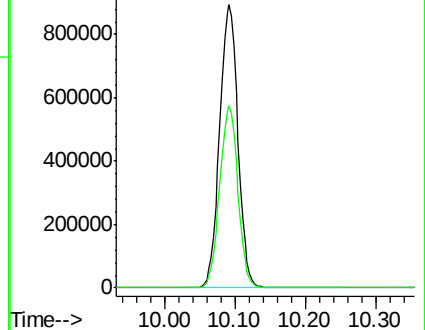
98 100

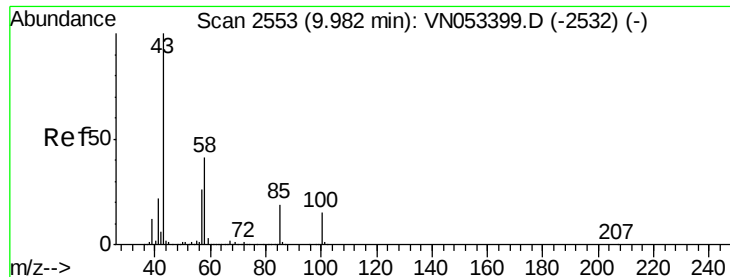
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.870 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

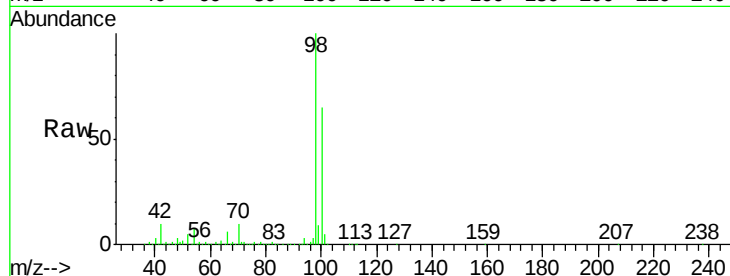
SA-TW530-3337

Tot Ion: 43 Resp: 5829

Ion Ratio Lower Upper

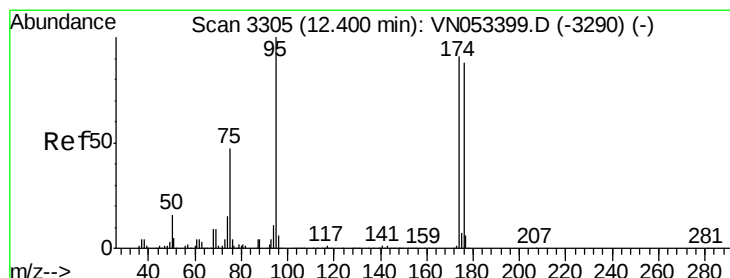
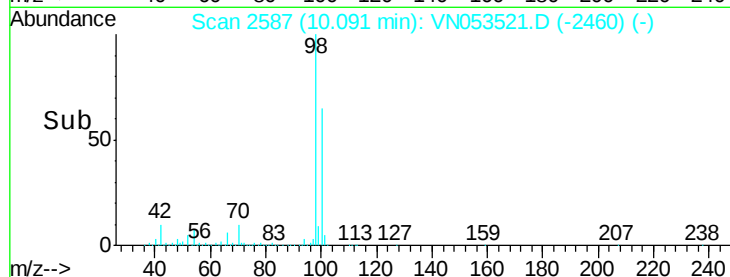
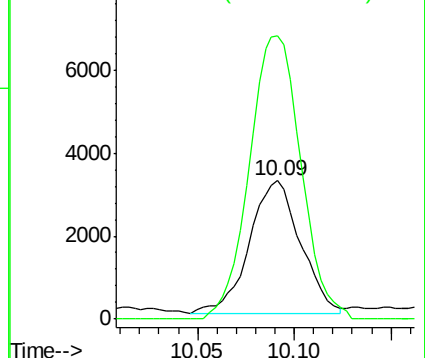
43 100

58 216.7 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

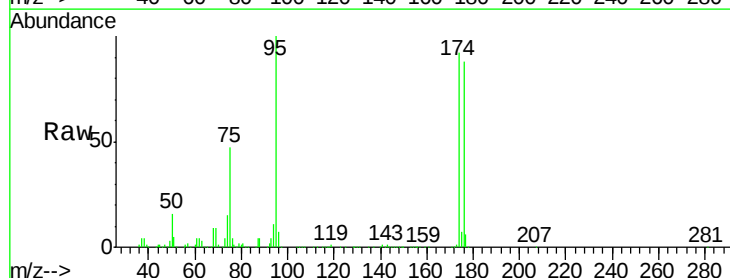
Tgt Ion: 95 Resp: 557612

Ion Ratio Lower Upper

95 100

174 91.8 0.0 183.2

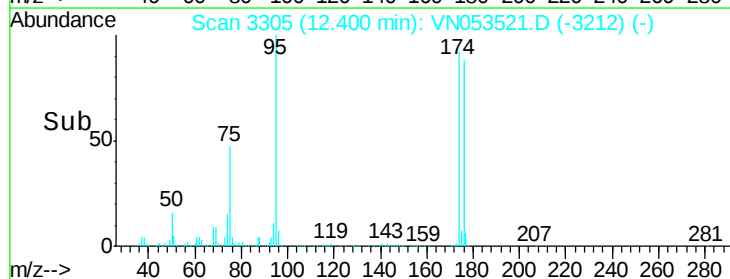
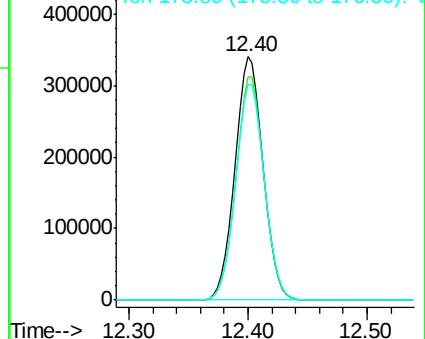
176 89.9 0.0 177.4

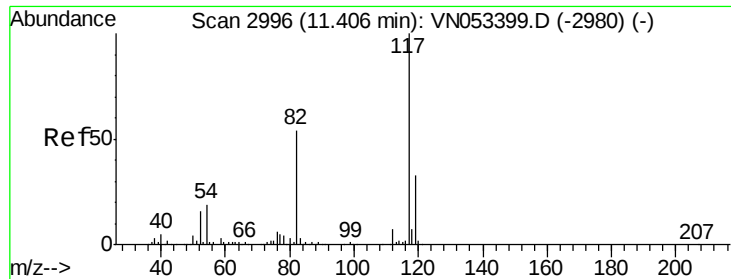


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

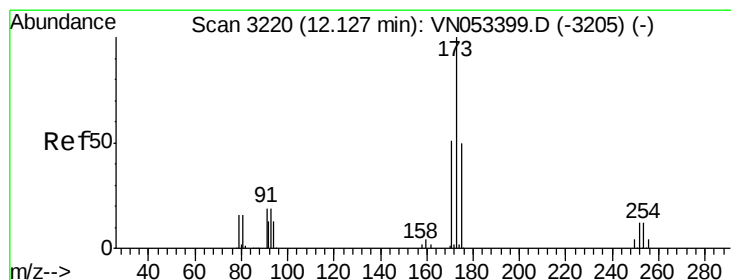
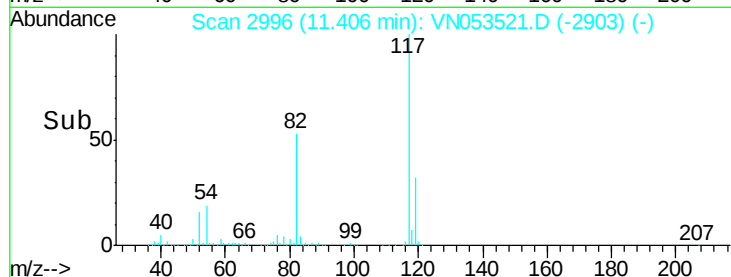
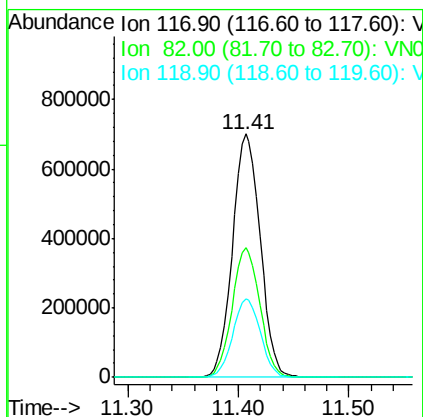
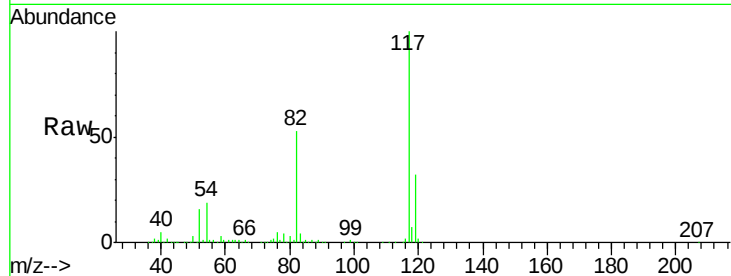




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053521.D
Acq: 22 Jan 2019 16:03

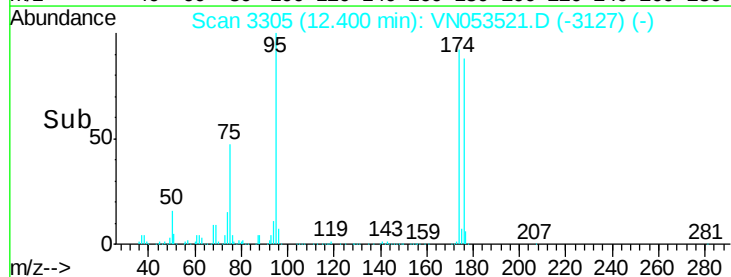
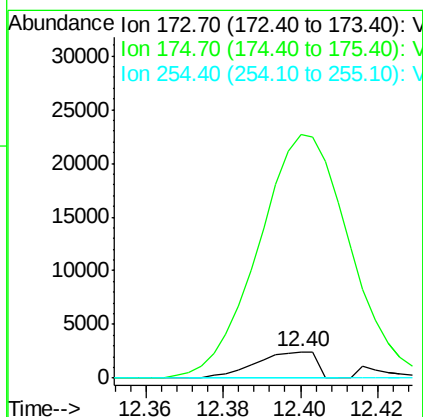
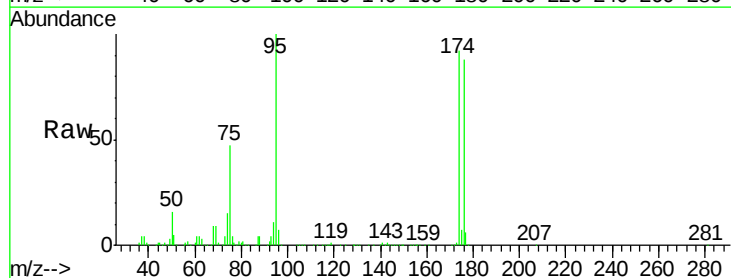
Instrument :
MSVOA_N
ClientSampleId :
SA-TW530-3337

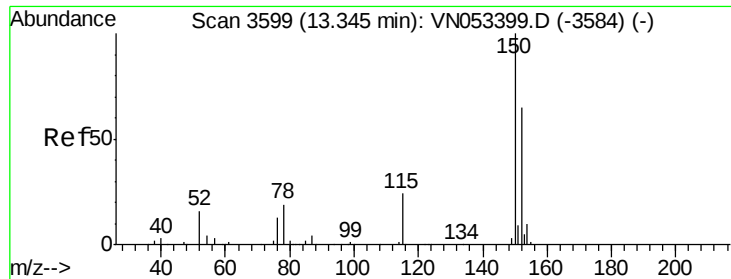
Tot Ion:117 Resp: 1222739
Ion Ratio Lower Upper
117 100
82 53.2 42.9 64.3
119 32.4 26.0 39.0



#71
Bromoform
Concen: 0.428 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053521.D
Acq: 22 Jan 2019 16:03

Tgt Ion:173 Resp: 2656
Ion Ratio Lower Upper
173 100
175 1249.3 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

SA-TW530-3337

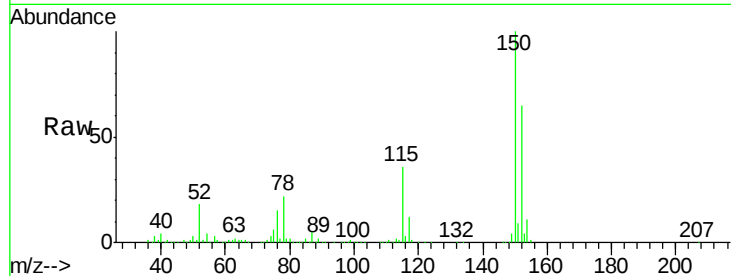
Tot Ion:152 Resp: 549199

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

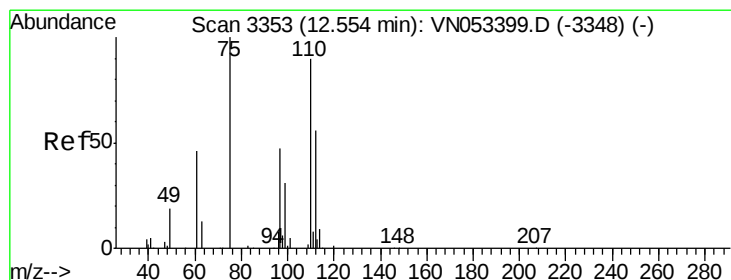
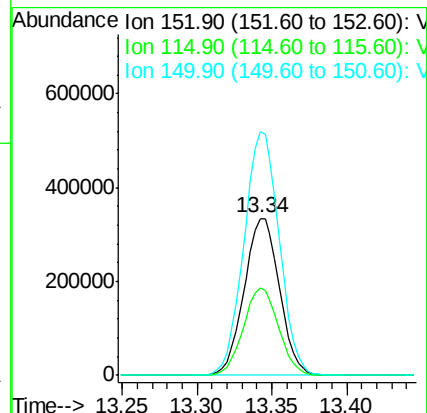
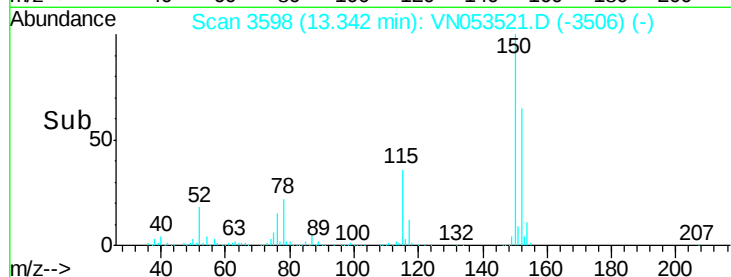
150 155.6 0.0 349.0



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: 35.870 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053521.D

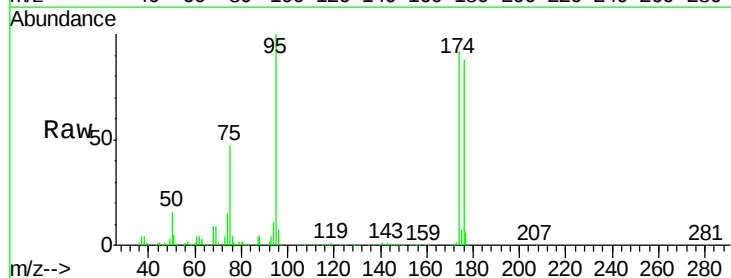
Acq: 22 Jan 2019 16:03

Tgt Ion: 75 Resp: 259605

Ion Ratio Lower Upper

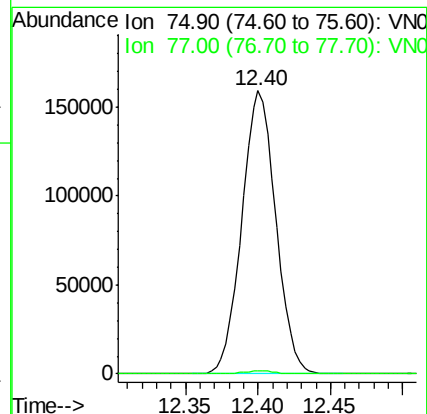
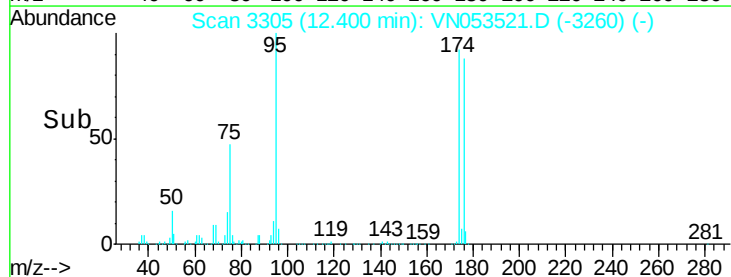
75 100

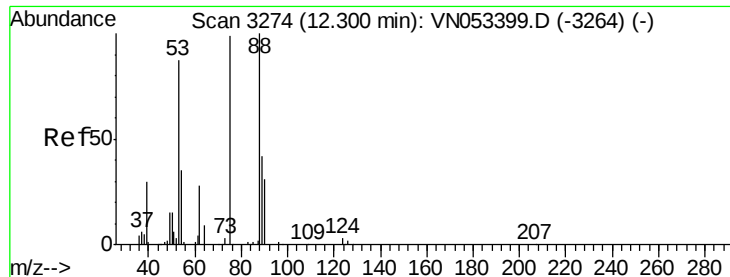
77 1.1 0.0 0.0#



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: 88.712 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

SA-TW530-3337

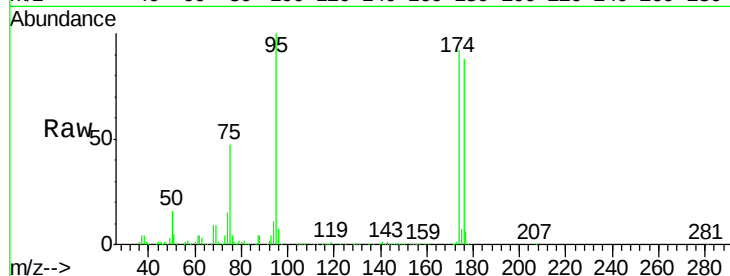
Tot Ion: 75 Resp: 259605

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

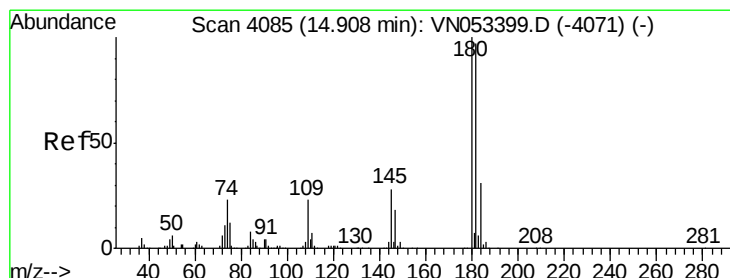
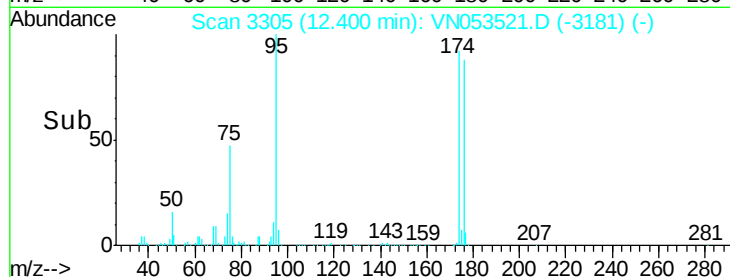
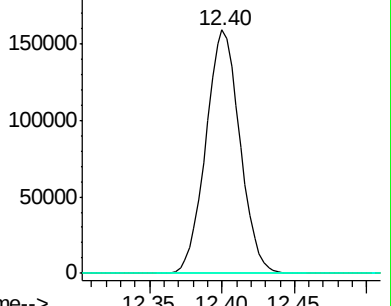
89 0.0 35.6 53.4#



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) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.957 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

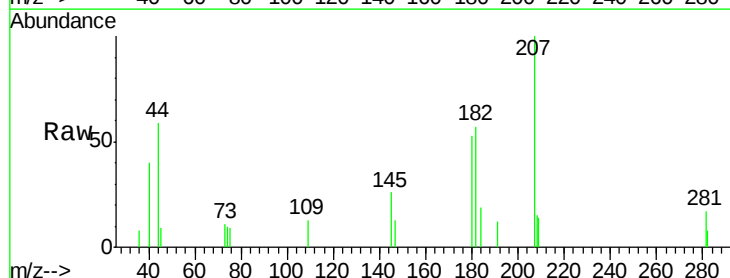
Tgt Ion: 180 Resp: 1529

Ion Ratio Lower Upper

180 100

182 107.1 48.1 144.3

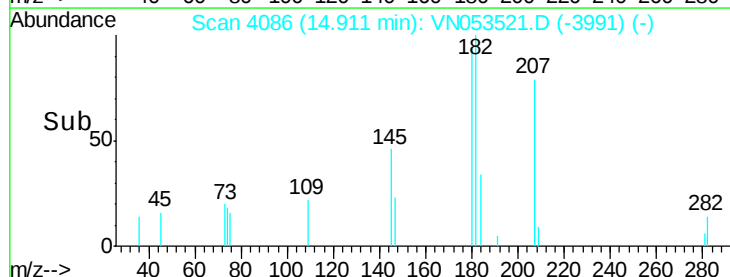
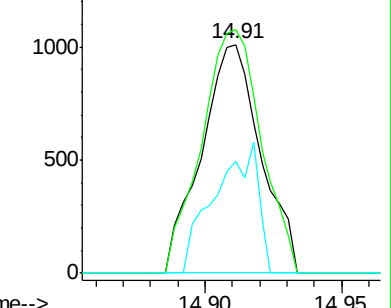
145 41.7 13.9 41.6#

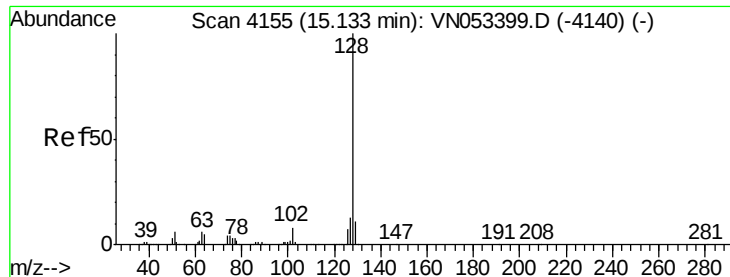


Abundance Ion 179.80 (179.50 to 180.50): VN053399.D (-4071) (-)

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

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





#95

Naphthalene

Concen: 3.978 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

SA-TW530-3337

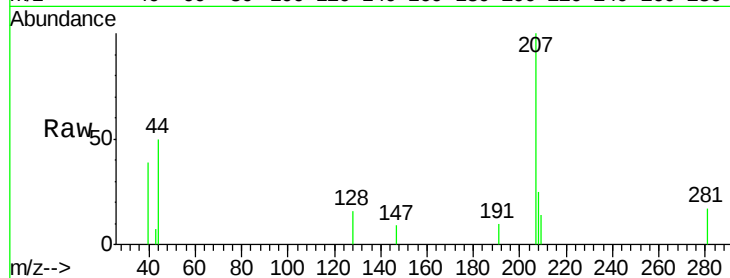
Tot Ion:128 Resp: 564

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

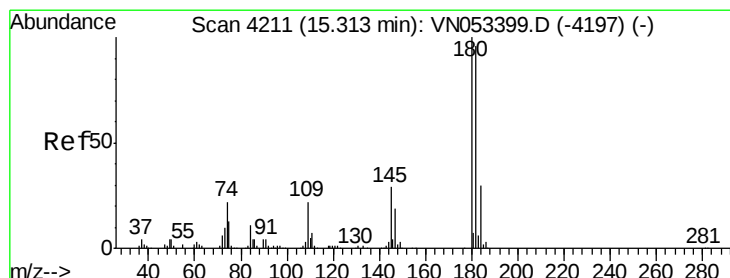
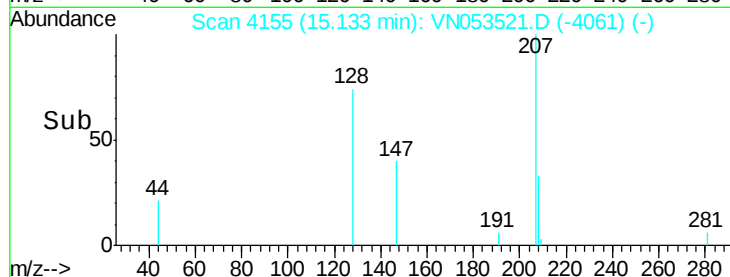
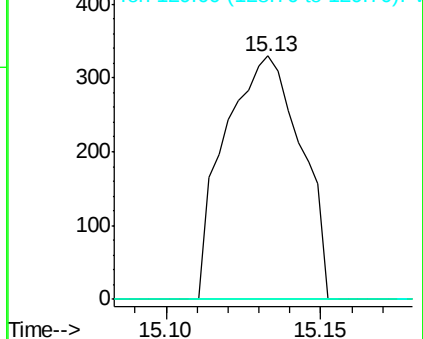
129 0.0 8.6 13.0#



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: 3.982 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN053521.D

Acq: 22 Jan 2019 16:03

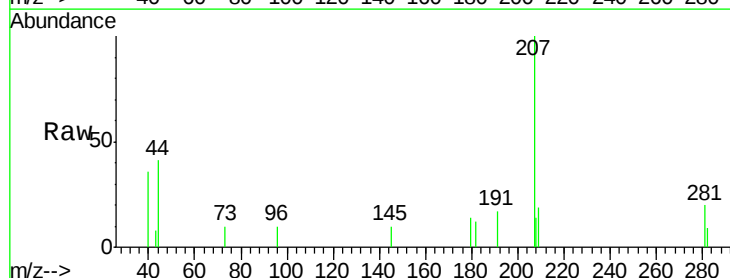
Tgt Ion:180 Resp: 468

Ion Ratio Lower Upper

180 100

182 40.4 47.9 143.8#

145 51.1 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

