

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053479.D
 Acq On : 18 Jan 2019 18:24
 Operator : JC/SP
 Sample : K1199-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW529-3337

Quant Time: Jan 19 00:23:42 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	837822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1314323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1231825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	543211	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	431777	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
35) Dibromofluoromethane	7.59	113	395490	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
50) Toluene-d8	10.09	98	1619261	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.40	95	550893	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	

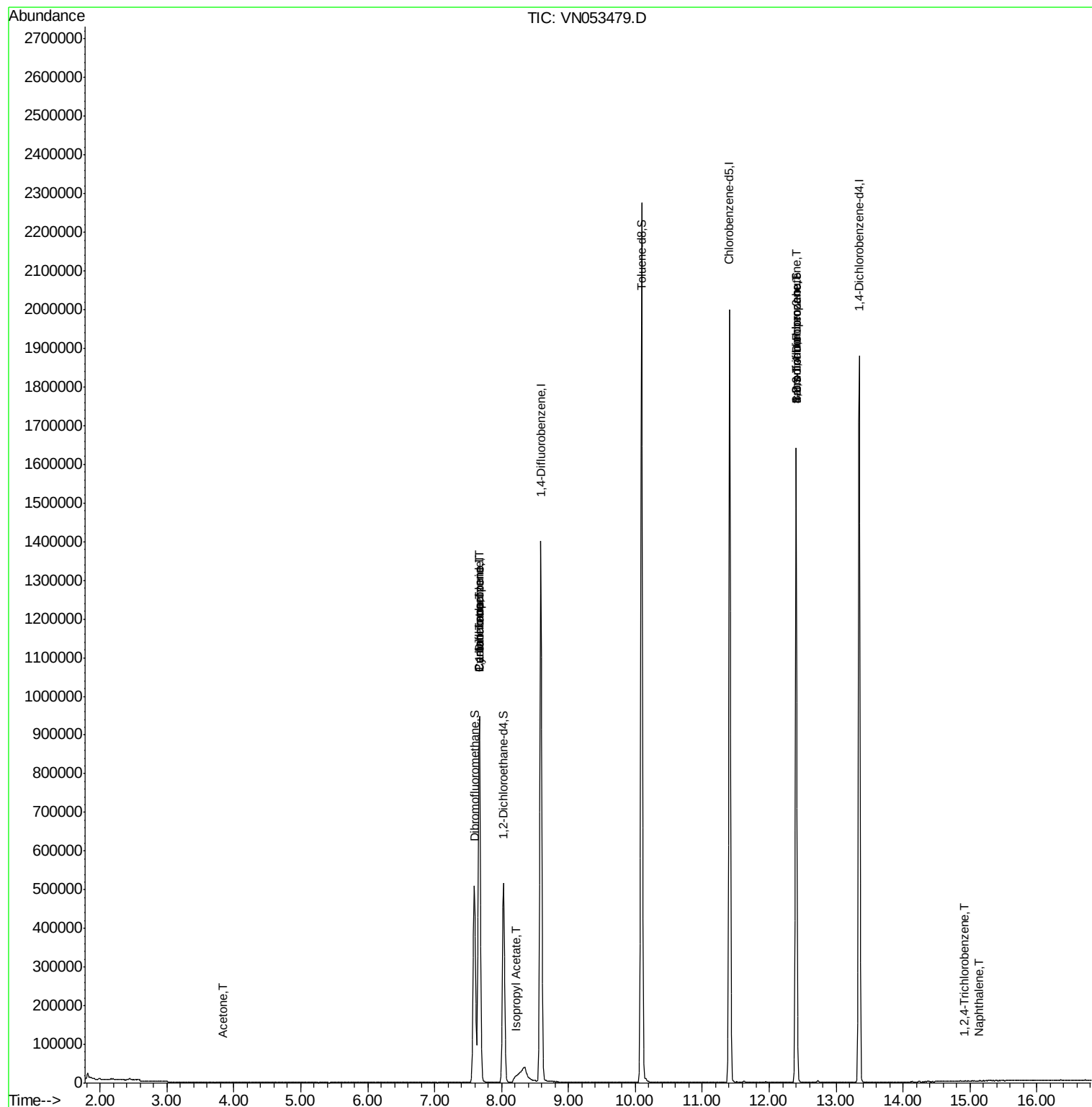
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	1715	0.883	ug/l	91
31) Cyclohexane	7.67	56	13983	0.740	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	54685	4.569	ug/l #	49
38) Carbon Tetrachloride	7.67	117	71272	6.289	ug/l #	16
43) Isopropyl Acetate	8.21	43	13768	1.112	ug/l #	51
71) Bromoform	12.40	173	3601	0.577	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	258618	36.127	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	258618	89.331	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	100	2.779	ug/l #	12
95) Naphthalene	15.14	128	272	3.958	ug/l #	69

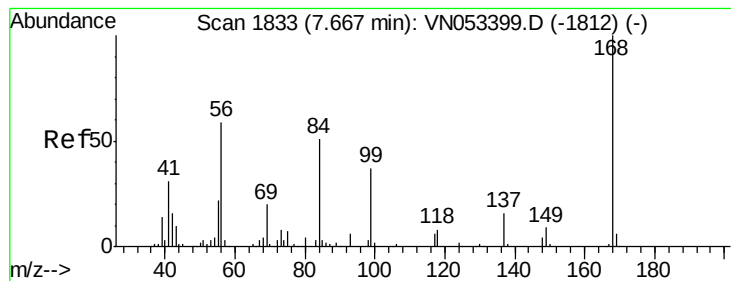
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053479.D

Acq: 18 Jan 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

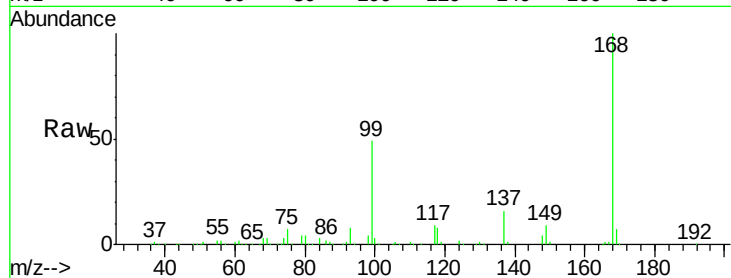
SA-TW529-3337

Tot Ion:168 Resp: 837822

Ion Ratio Lower Upper

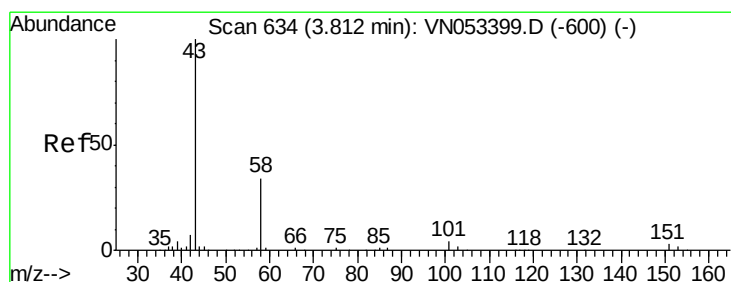
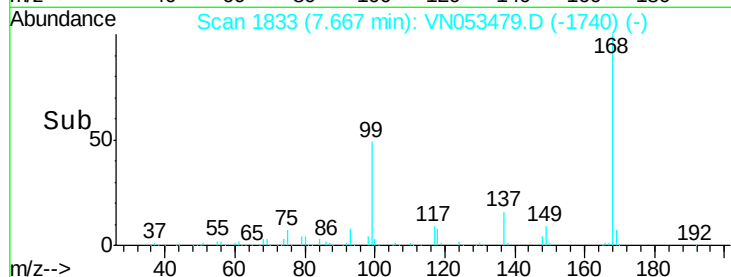
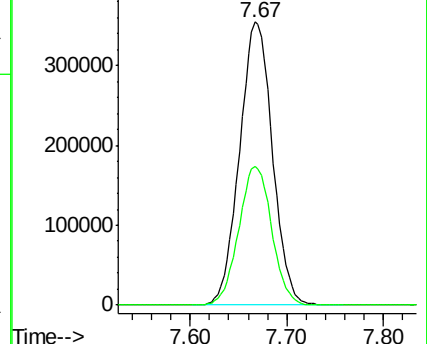
168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 0.883 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053479.D

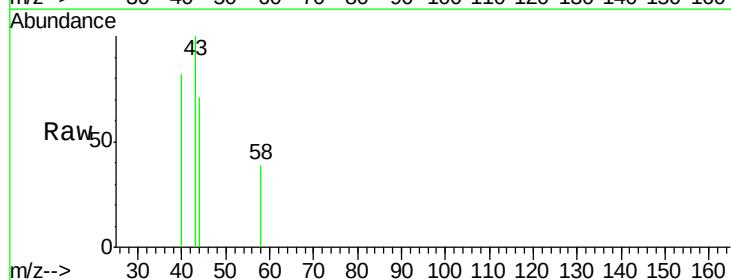
Acq: 18 Jan 2019 18:24

Tgt Ion: 43 Resp: 1715

Ion Ratio Lower Upper

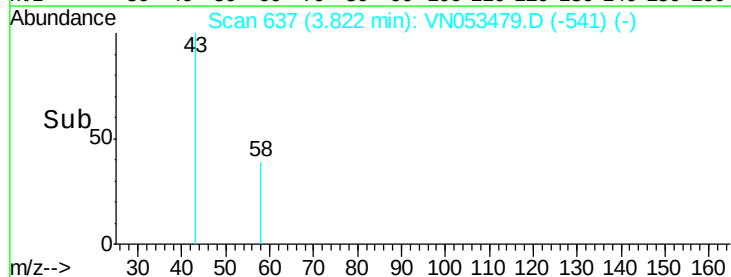
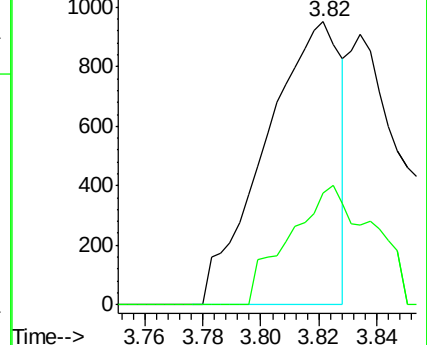
43 100

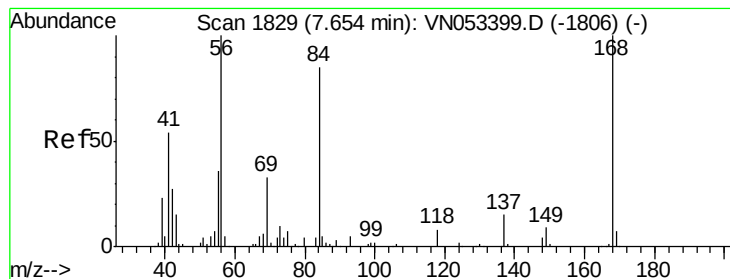
58 39.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#31

Cyclohexane

Concen: 0.740 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

SA-TW529-3337

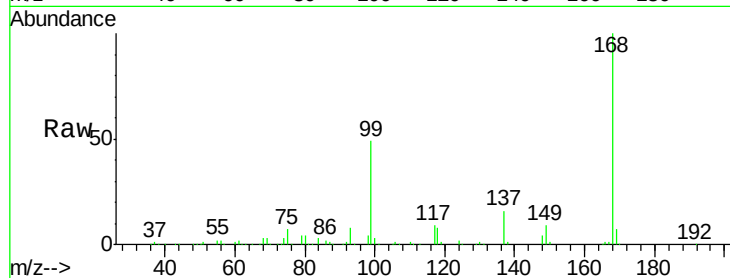
Tot Ion: 56 Resp: 13983

Ion Ratio Lower Upper

56 100

69 179.1 26.4 39.6#

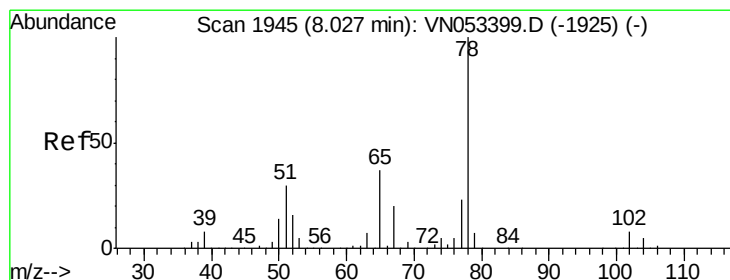
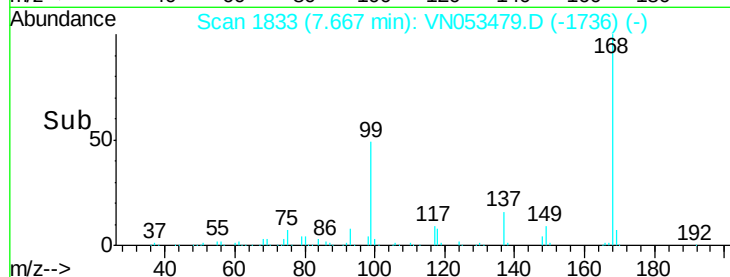
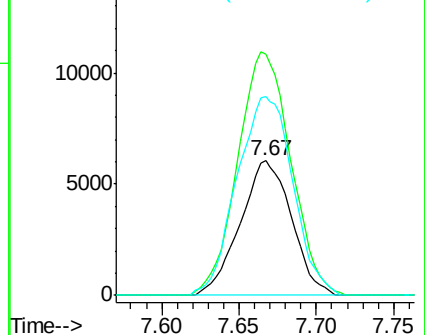
84 147.2 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053479.D

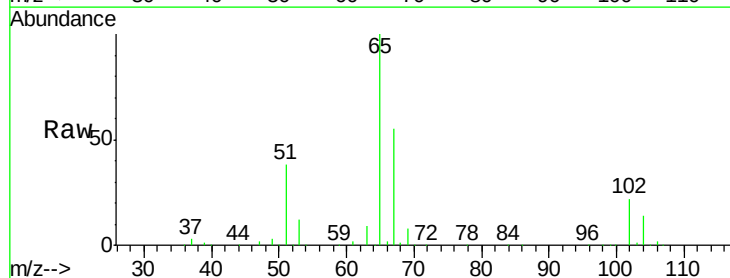
Acq: 18 Jan 2019 18:24

Tgt Ion: 65 Resp: 431777

Ion Ratio Lower Upper

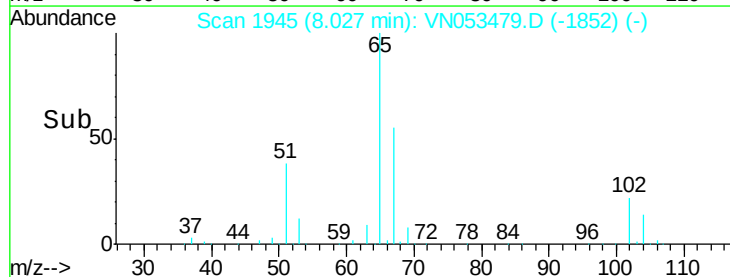
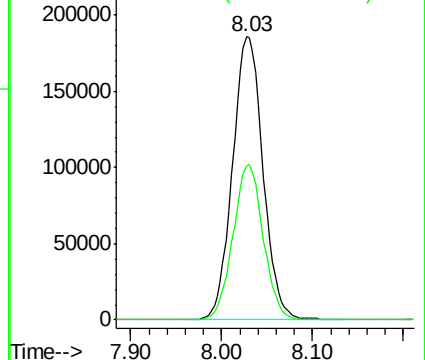
65 100

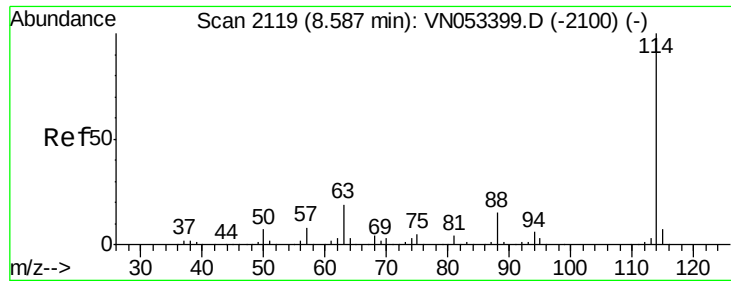
67 54.3 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

SA-TW529-3337

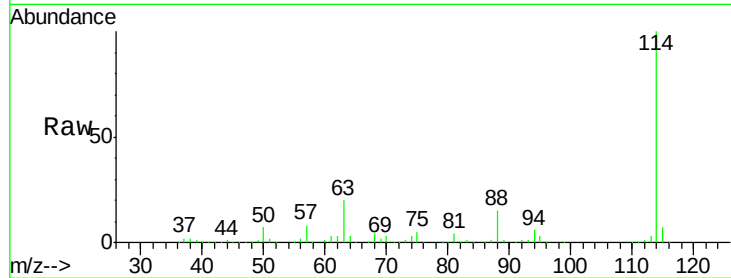
Tot Ion:114 Resp: 1314323

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

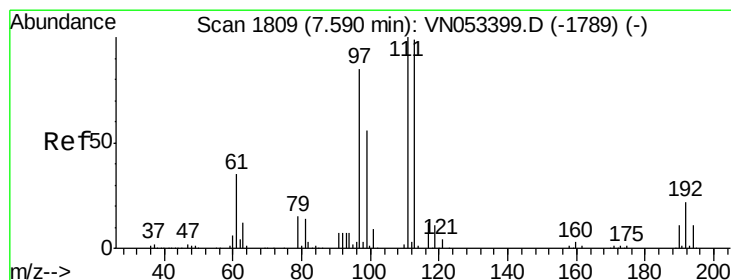
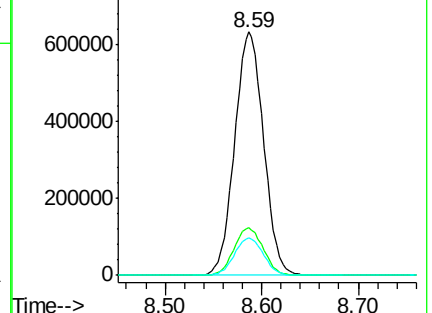
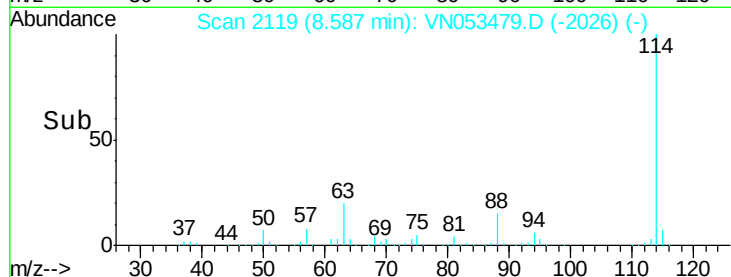
88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

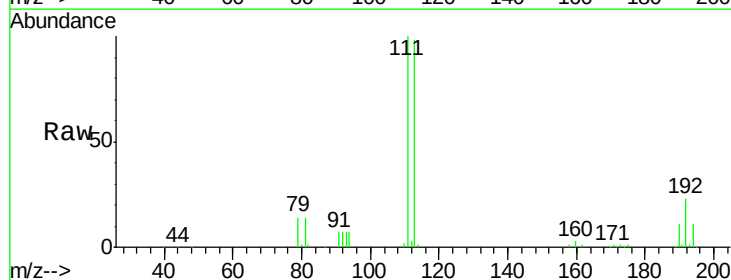
Tgt Ion:113 Resp: 395490

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

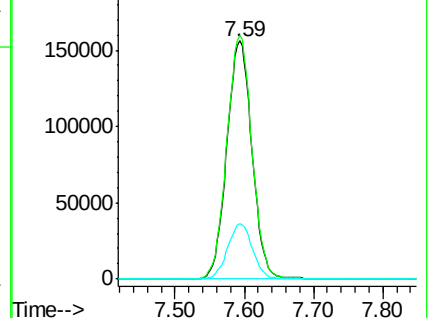
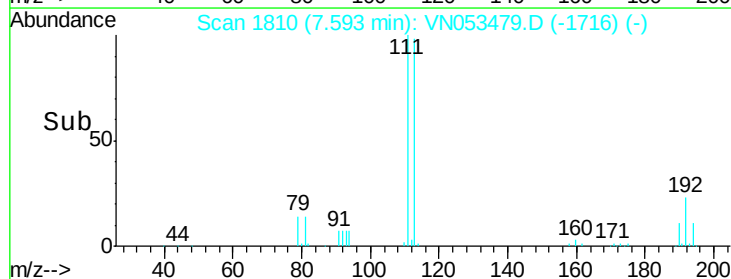
192 23.0 18.2 27.2

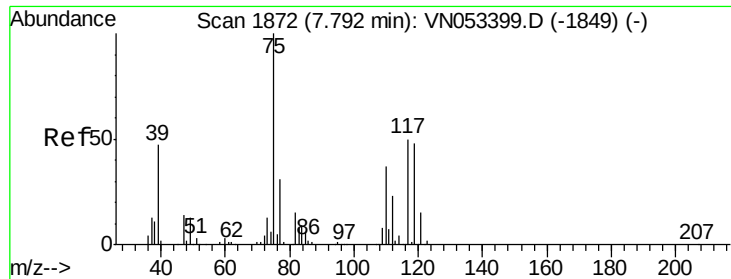


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

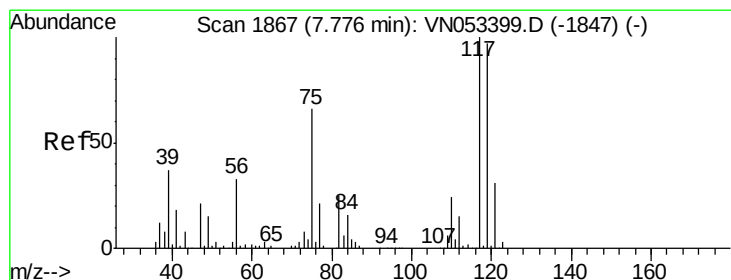
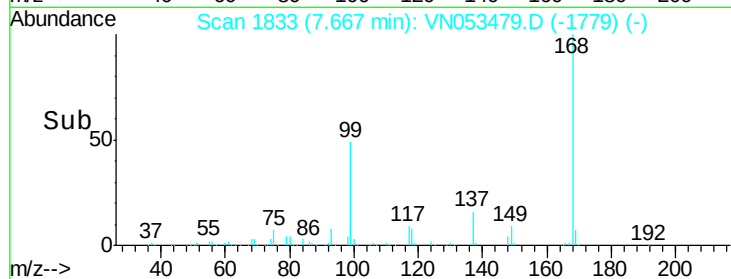
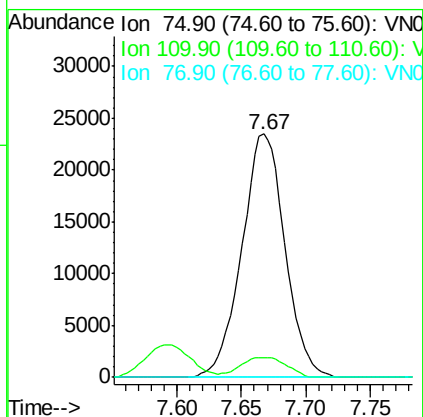
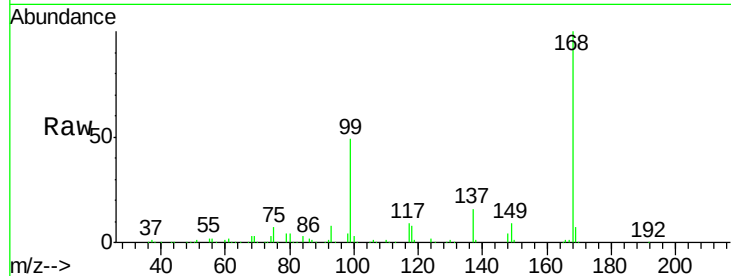




#36
 1,1-Dichloropropene
 Concen: 4.569 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053479.D
 Acq: 18 Jan 2019 18:24

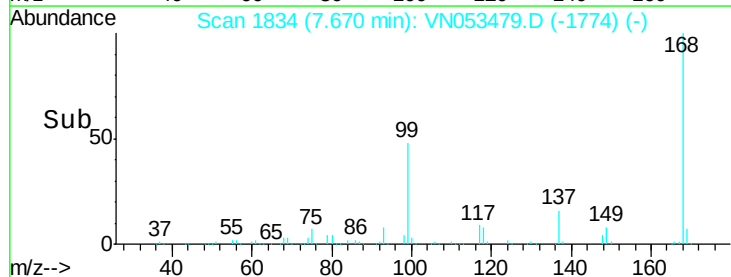
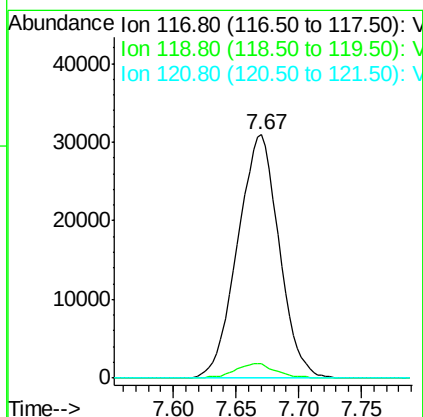
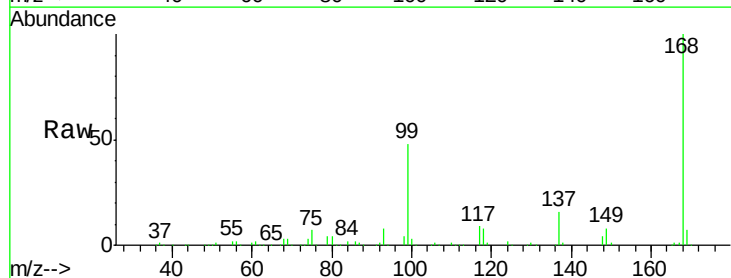
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW529-3337

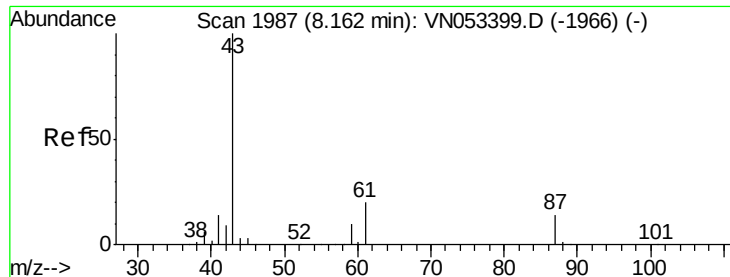
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.289 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN053479.D
 Acq: 18 Jan 2019 18:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	77.2	115.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 1.112 ug/l

RT: 8.21 min Scan# 2003

Delta R.T. 0.05 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

SA-TW529-3337

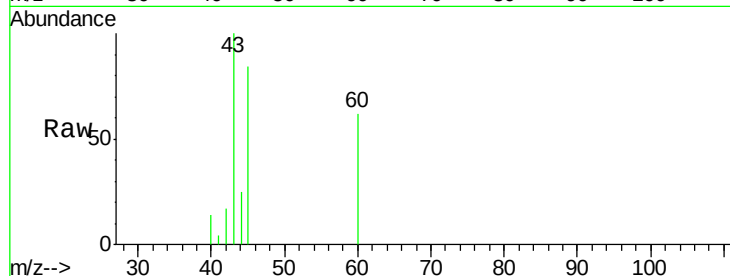
Tot Ion: 43 Resp: 13768

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

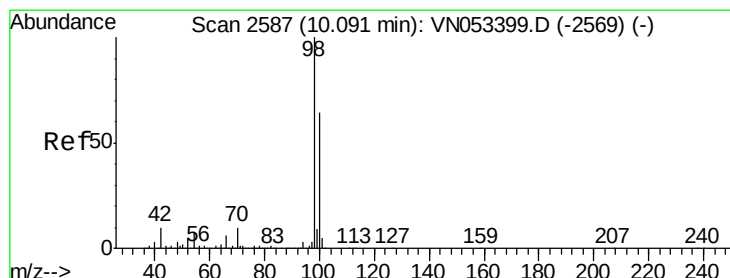
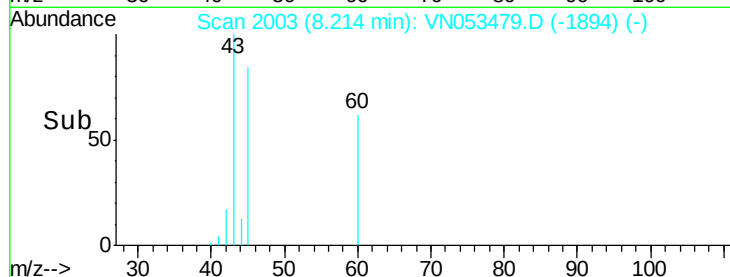
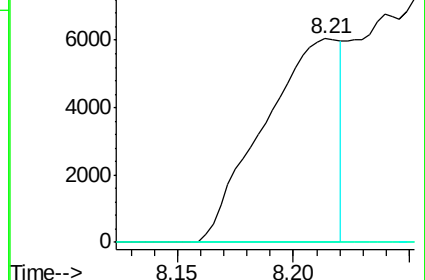
87 0.0 11.0 16.6#



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: VN053479.D

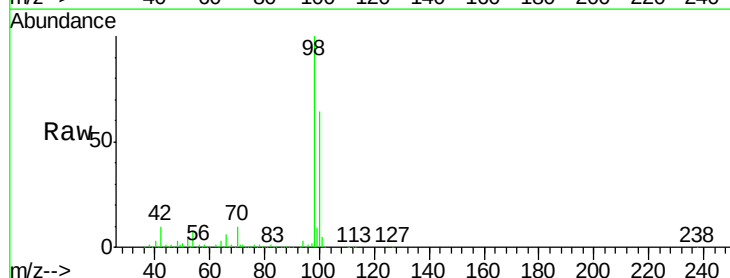
Acq: 18 Jan 2019 18:24

Tgt Ion: 98 Resp: 1619261

Ion Ratio Lower Upper

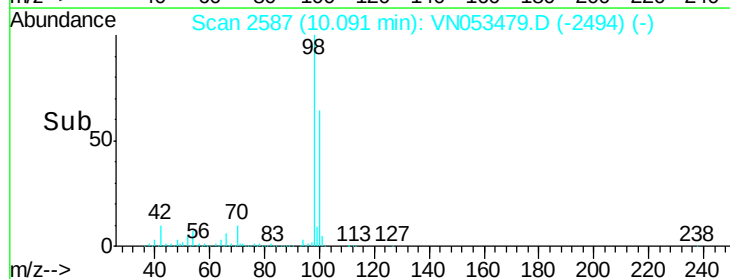
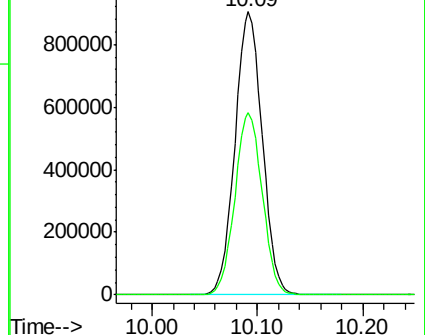
98 100

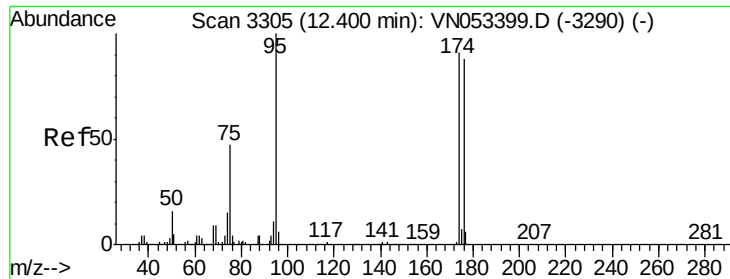
100 64.5 51.4 77.0



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

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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

SA-TW529-3337

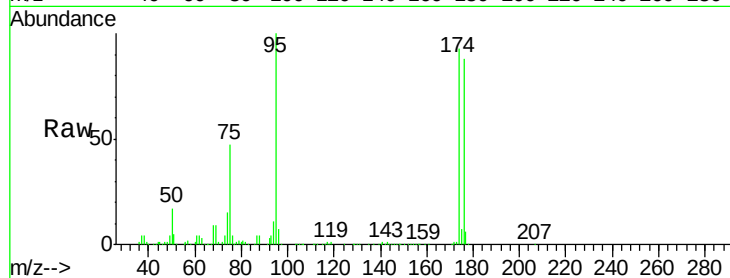
Tot Ion: 95 Resp: 550893

Ion Ratio Lower Upper

95 100

174 94.3 0.0 183.2

176 90.5 0.0 177.4



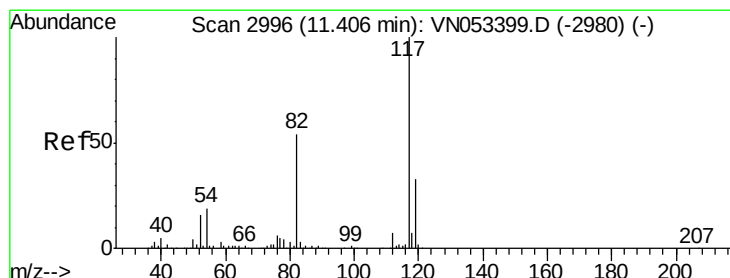
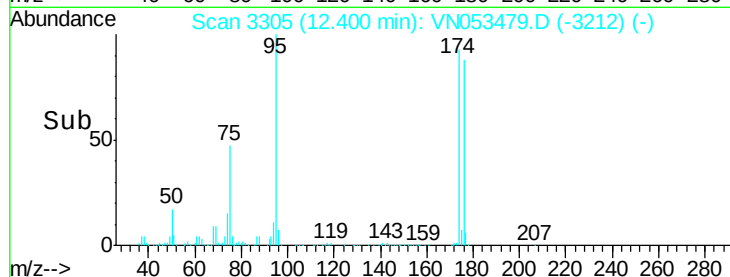
Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

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

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

12.40

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

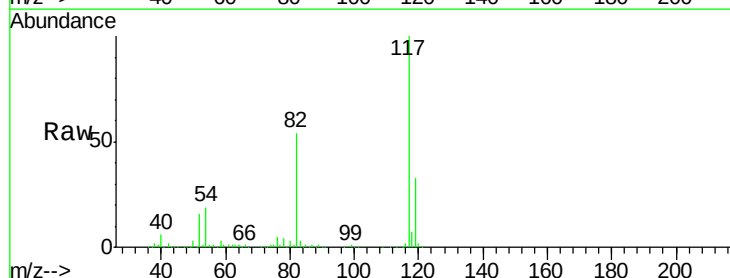
Tgt Ion: 117 Resp: 1231825

Ion Ratio Lower Upper

117 100

82 53.5 42.9 64.3

119 32.8 26.0 39.0



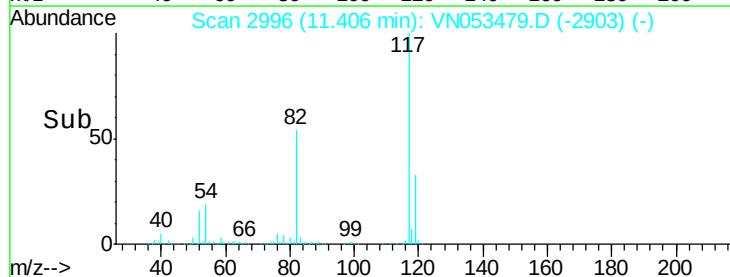
Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

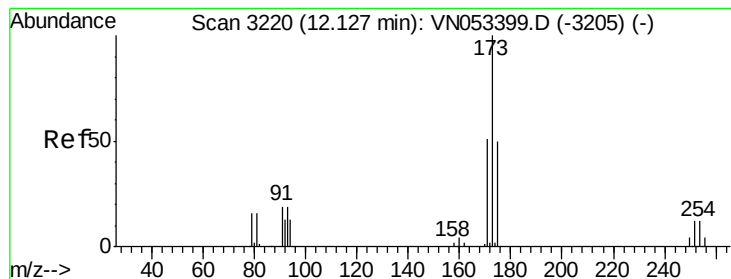
Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

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

11.41

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.577 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

SA-TW529-3337

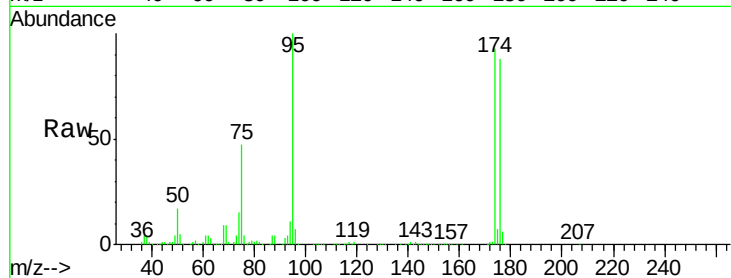
Tot Ion:173 Resp: 3601

Ion Ratio Lower Upper

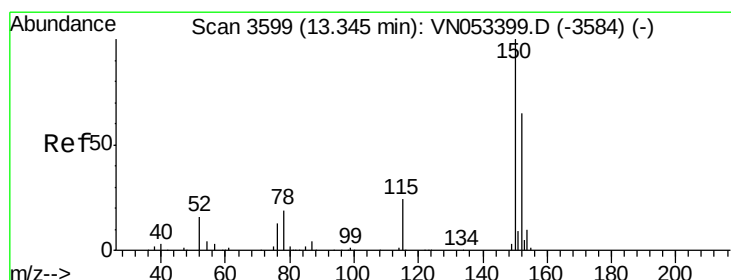
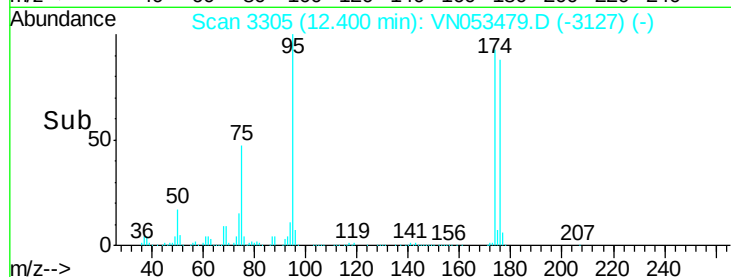
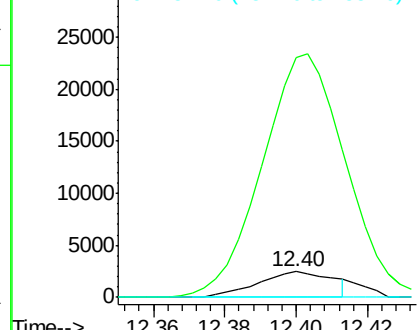
173 100

175 914.4 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

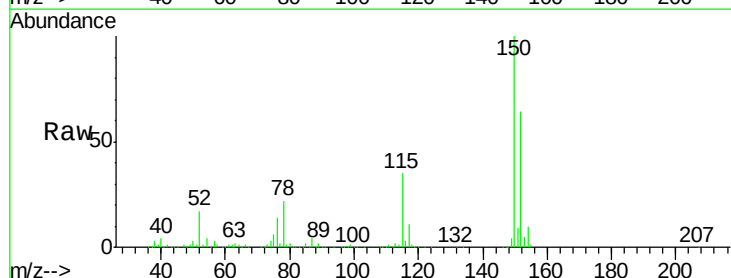
Tgt Ion:152 Resp: 543211

Ion Ratio Lower Upper

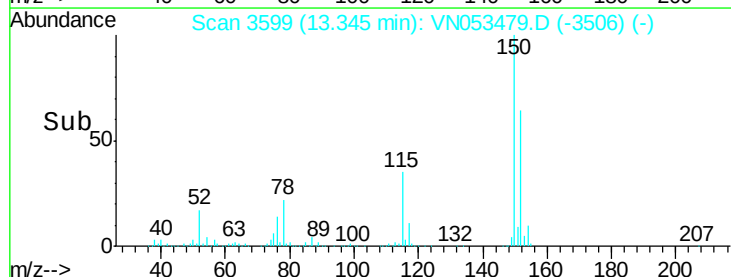
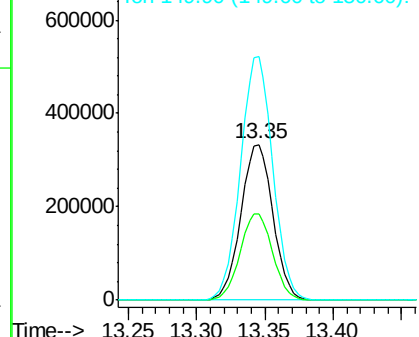
152 100

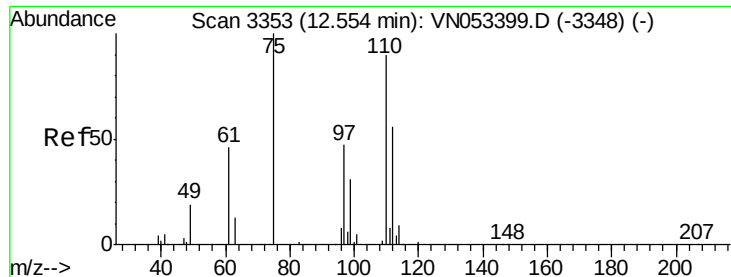
115 55.9 27.8 83.4

150 157.6 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: 36.127 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

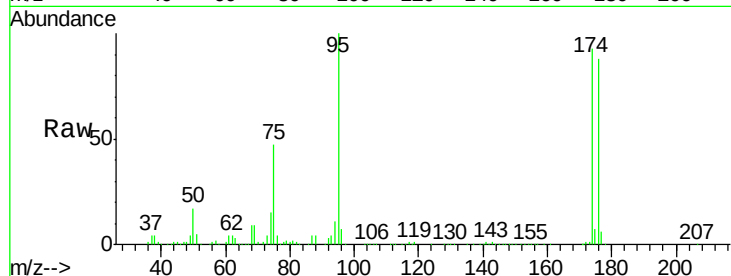
SA-TW529-3337

Tot Ion: 75 Resp: 258618

Ion Ratio Lower Upper

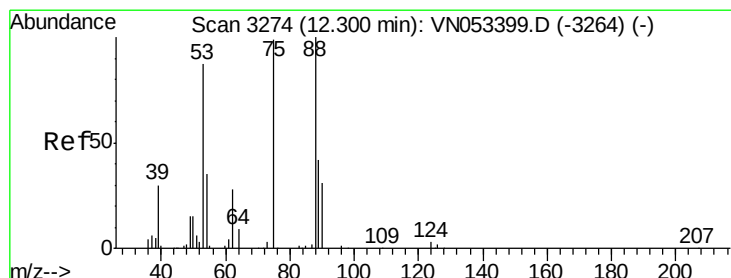
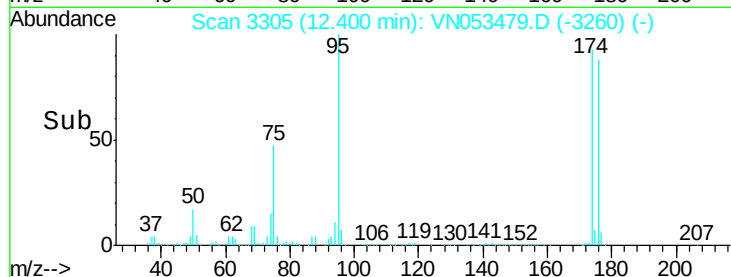
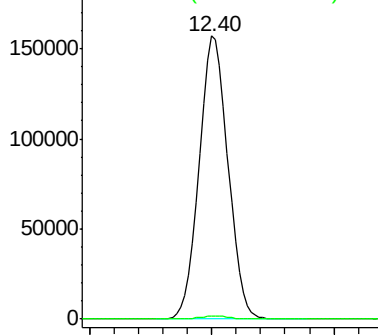
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 89.331 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053479.D

Acq: 18 Jan 2019 18:24

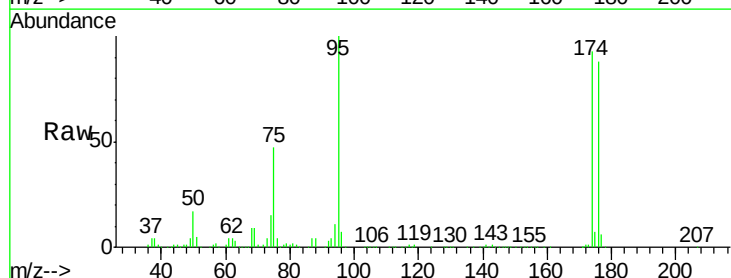
Tgt Ion: 75 Resp: 258618

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

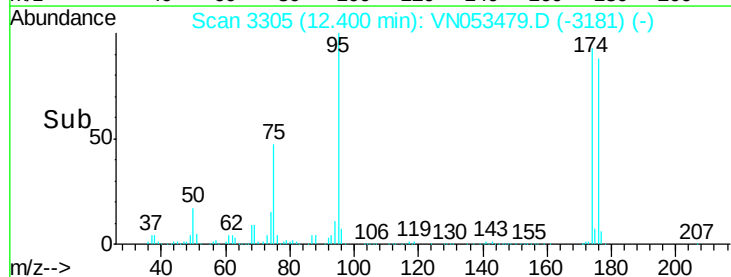
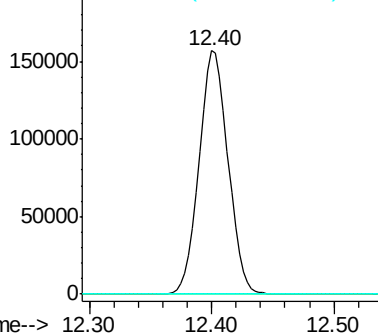
89 0.0 35.6 53.4#

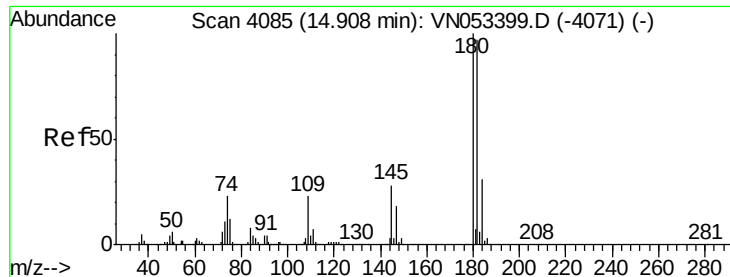


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

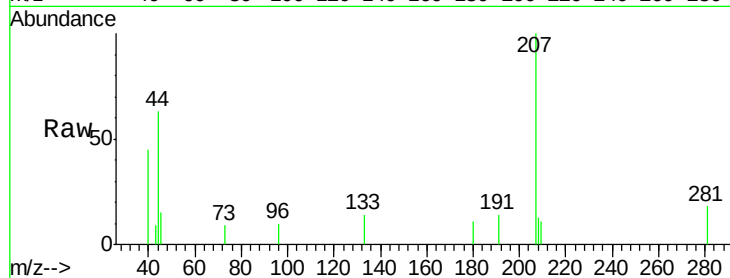




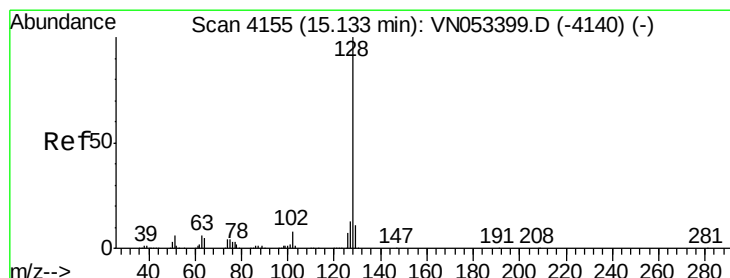
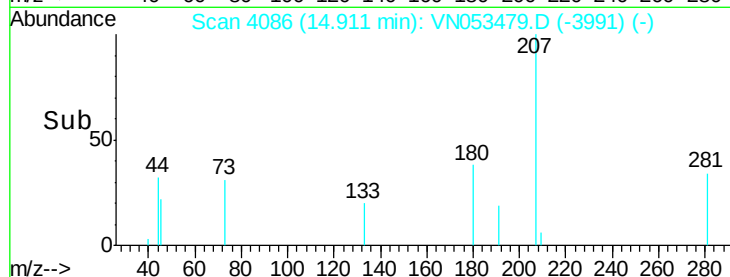
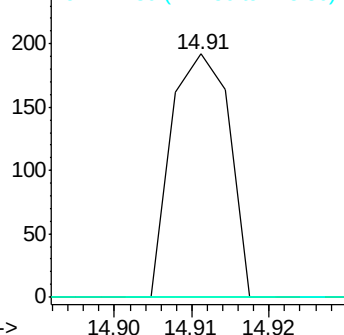
#93
 1,2,4-Trichlorobenzene
 Concen: 2.779 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053479.D
 Acq: 18 Jan 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW529-3337

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	13.9	41.6#

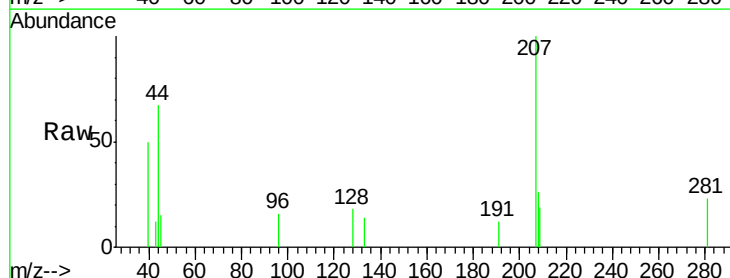


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.958 ug/l
 RT: 15.14 min Scan# 4158
 Delta R.T. 0.01 min
 Lab File: VN053479.D
 Acq: 18 Jan 2019 18:24

Tgt 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

