

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053472.D
 Acq On : 18 Jan 2019 15:17
 Operator : JC/SP
 Sample : K1199-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-3337

Quant Time: Jan 19 00:22:13 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	904345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1411925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1295894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	529089	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	455710	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
35) Dibromofluoromethane	7.59	113	418804	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	10.09	98	1736710	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	571701	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	

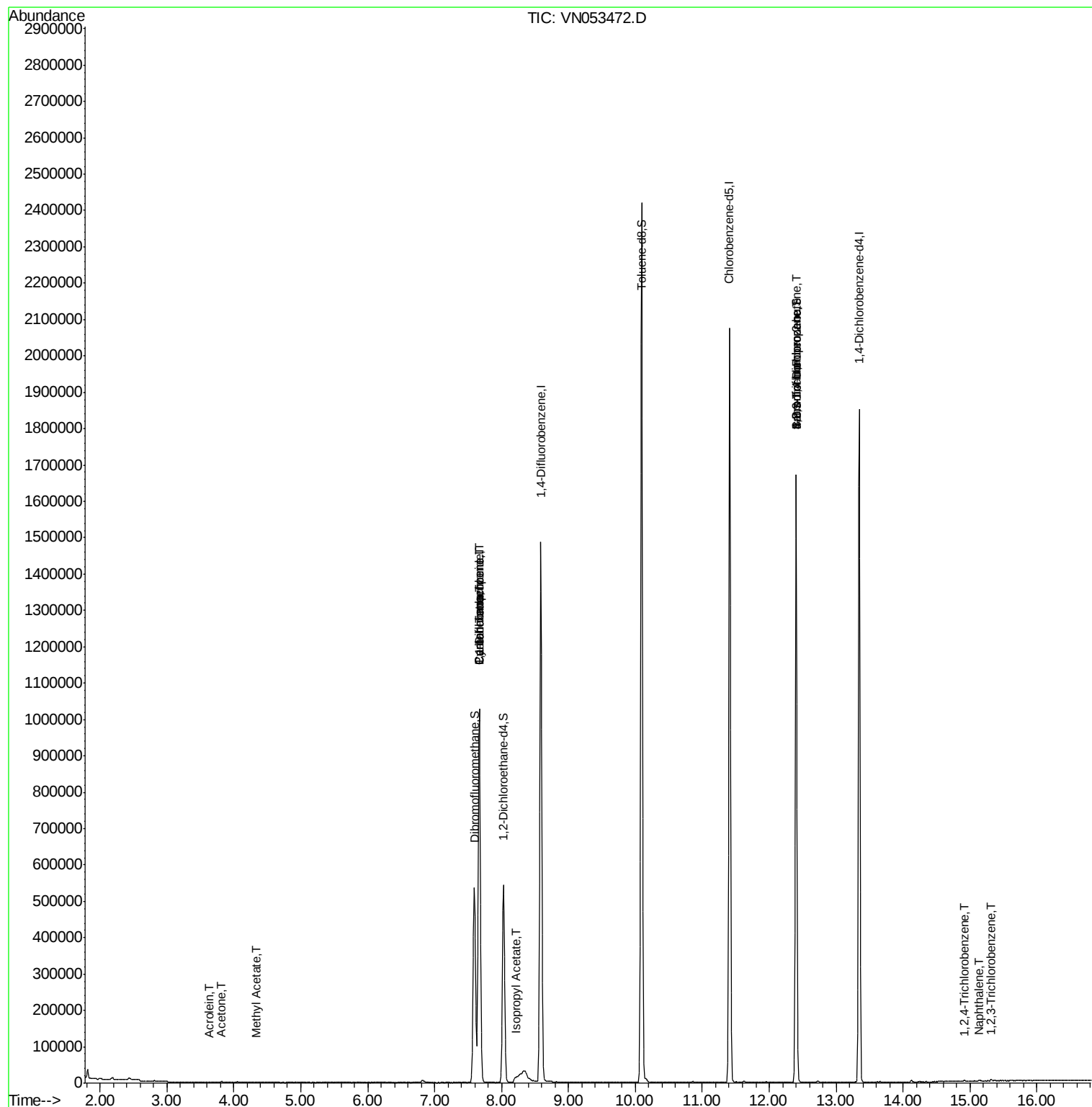
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	30	22.770	ug/l #	14
16) Acetone	3.82	43	2864	1.366	ug/l	91
18) Methyl Acetate	4.33	43	1610	0.228	ug/l #	51
31) Cyclohexane	7.66	56	14089	0.676	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	57787	4.494	ug/l #	48
38) Carbon Tetrachloride	7.67	117	78752	6.469	ug/l #	16
43) Isopropyl Acetate	8.20	43	8270	0.622	ug/l #	51
71) Bromoform	12.40	173	3599	0.548	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	266641	38.242	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	266641	94.412	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1202	2.922	ug/l	94
95) Naphthalene	15.13	128	2891	4.147	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.32	180	1301	4.129	ug/l	81

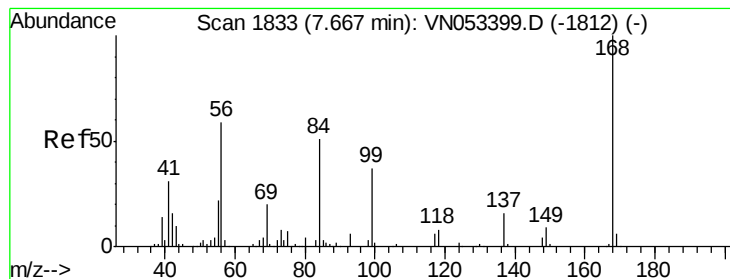
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

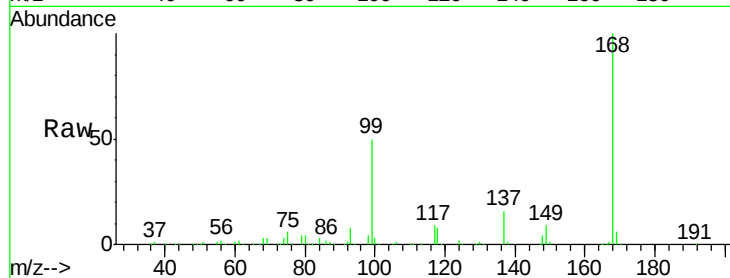
SA-TW521-3337

Tot Ion:168 Resp: 904345

Ion Ratio Lower Upper

168 100

99 49.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

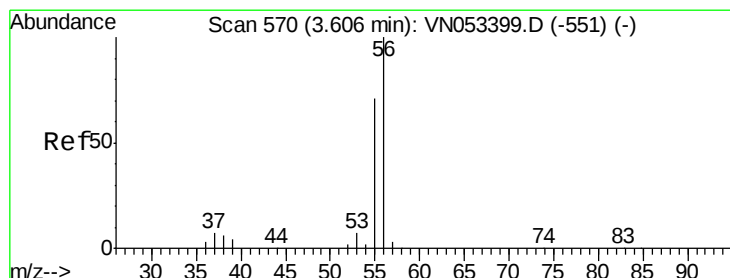
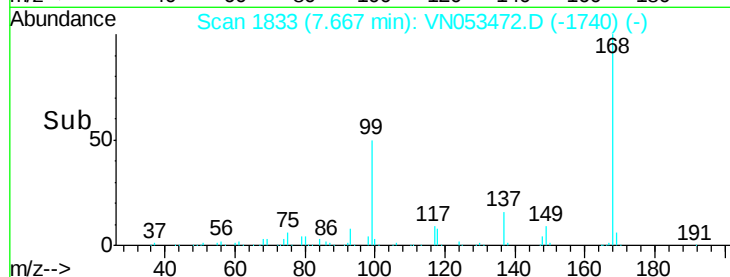
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 22.770 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN053472.D

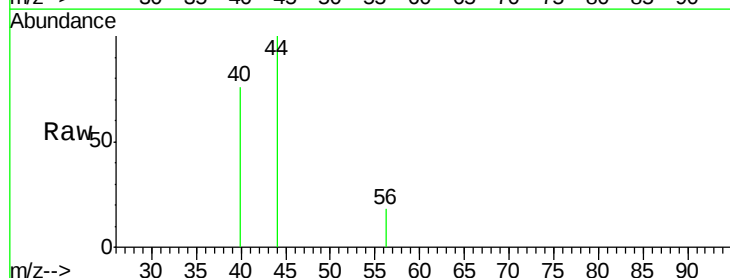
Acq: 18 Jan 2019 15:17

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.62

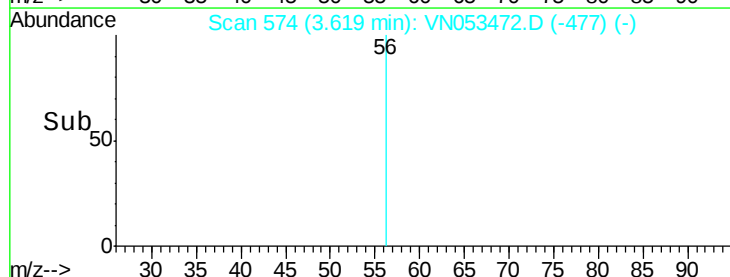
150

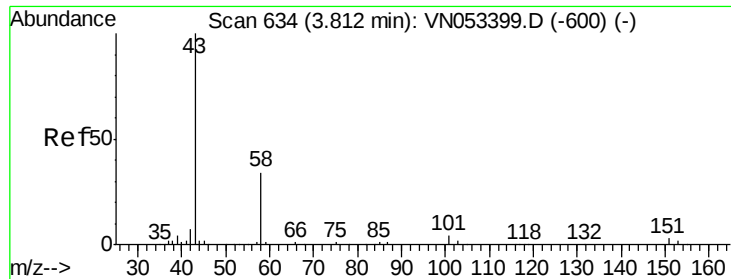
100

50

0

Time-->





#16

Acetone

Concen: 1.366 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

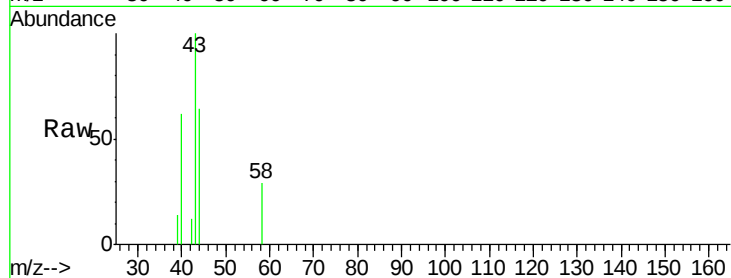
SA-TW521-3337

Tot Ion: 43 Resp: 2864

Ion Ratio Lower Upper

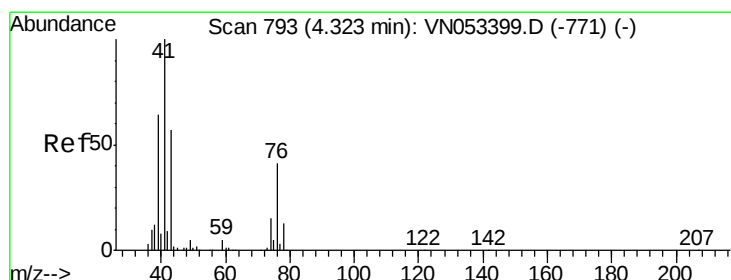
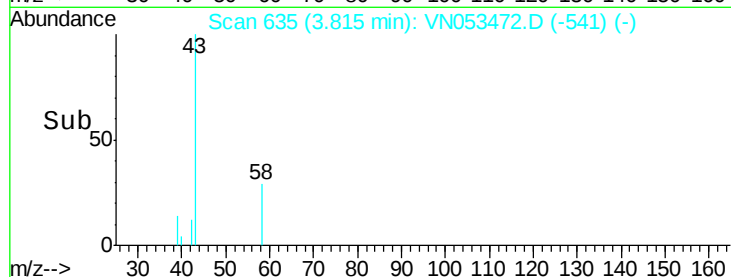
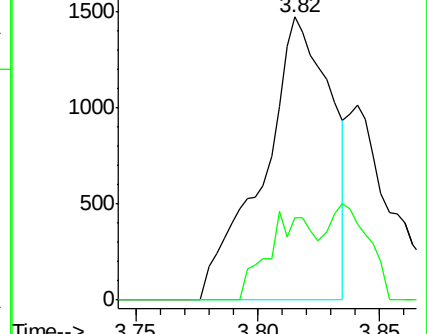
43 100

58 29.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.228 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053472.D

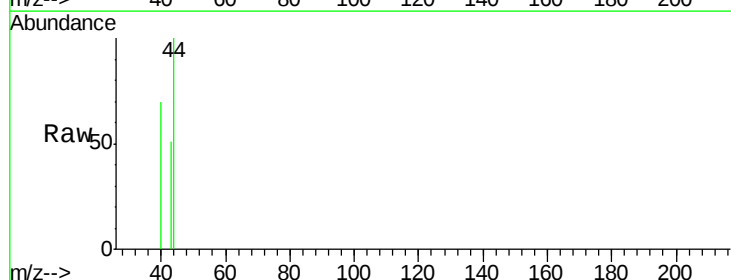
Acq: 18 Jan 2019 15:17

Tgt Ion: 43 Resp: 1610

Ion Ratio Lower Upper

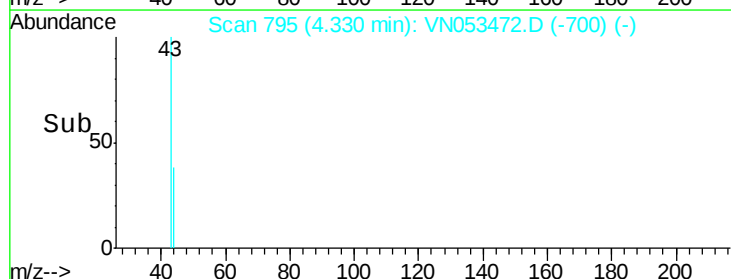
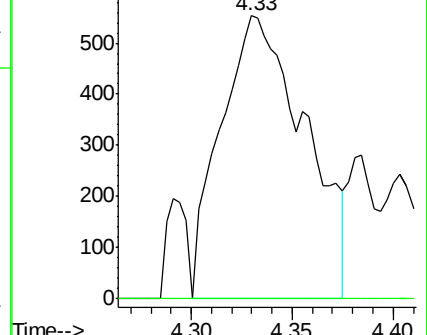
43 100

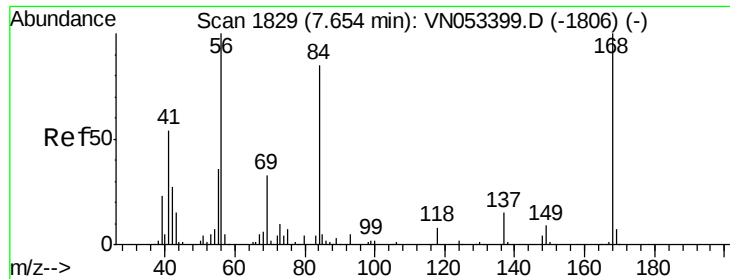
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: 0.676 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-3337

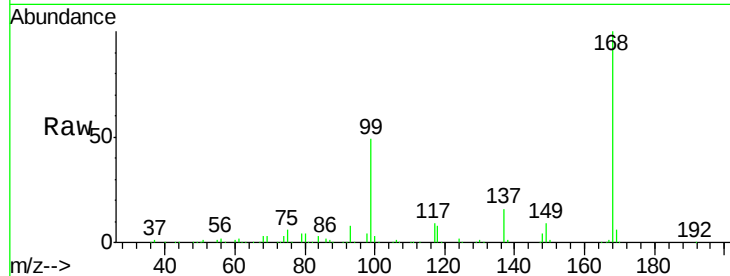
Tot Ion: 56 Resp: 14089

Ion Ratio Lower Upper

56 100

69 197.4 26.4 39.6#

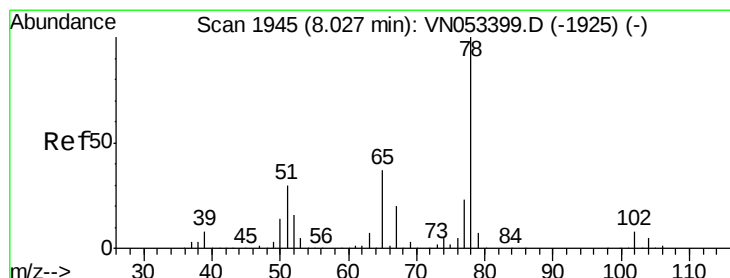
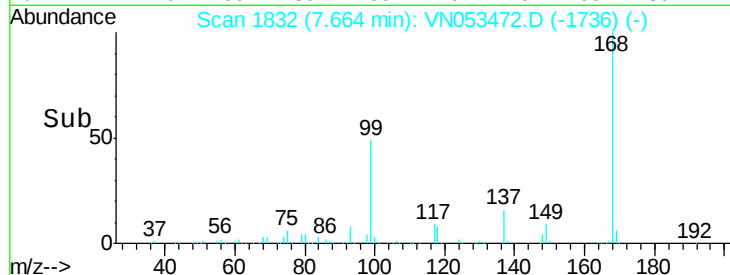
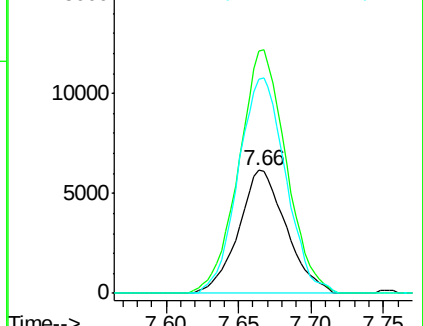
84 174.7 67.9 101.9#



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: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN053472.D

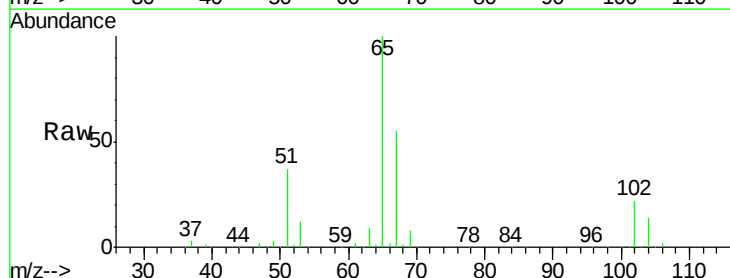
Acq: 18 Jan 2019 15:17

Tgt Ion: 65 Resp: 455710

Ion Ratio Lower Upper

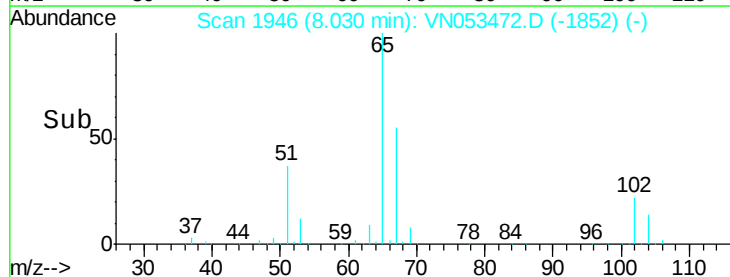
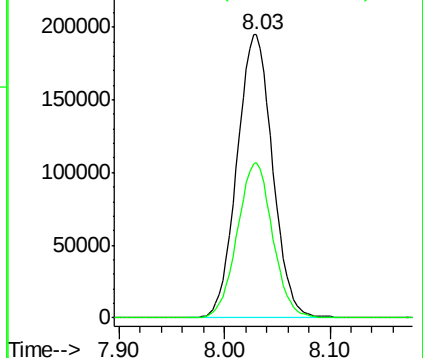
65 100

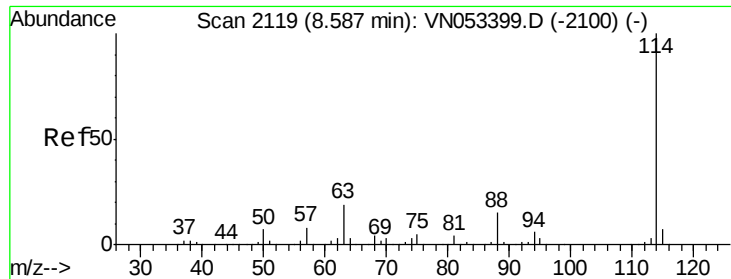
67 54.5 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

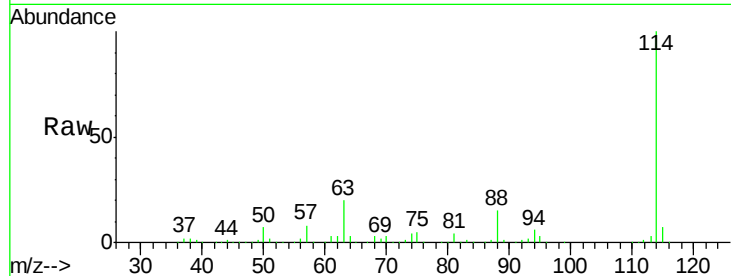




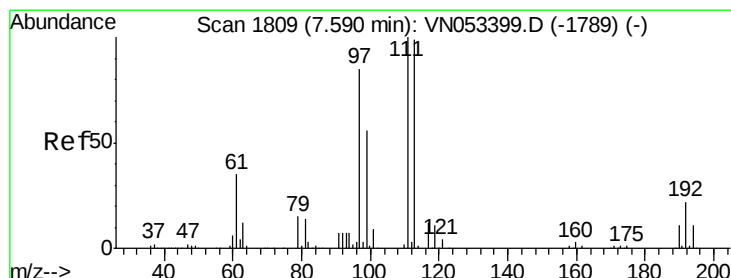
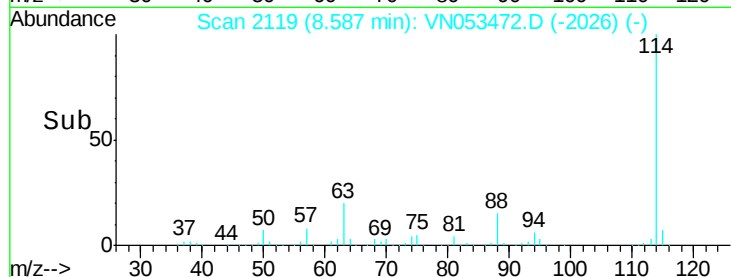
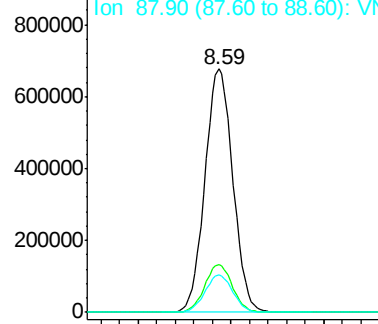
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053472.D
Acq: 18 Jan 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-3337

Tot Ion:114 Resp: 1411925
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.6
88 15.3 0.0 30.4

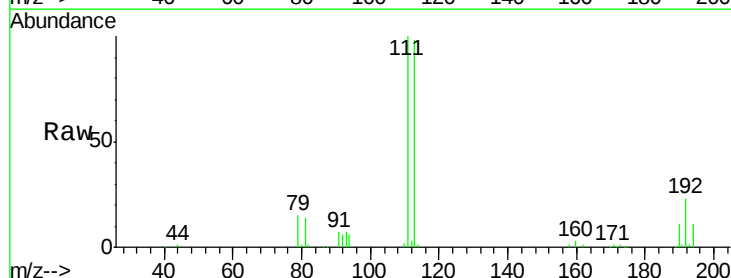


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

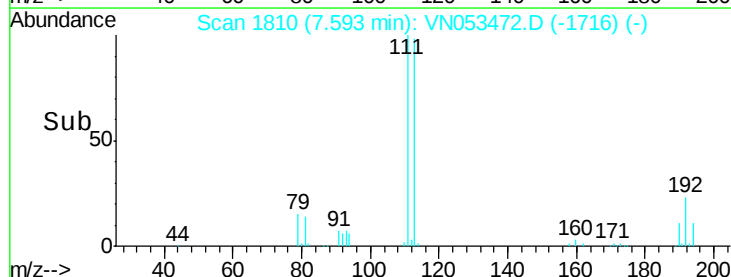
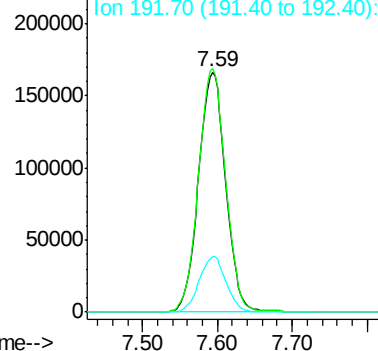


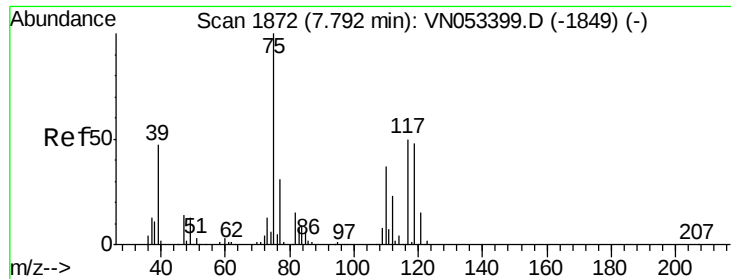
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053472.D
Acq: 18 Jan 2019 15:17

Tgt Ion:113 Resp: 418804
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 22.8 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: 4.494 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-3337

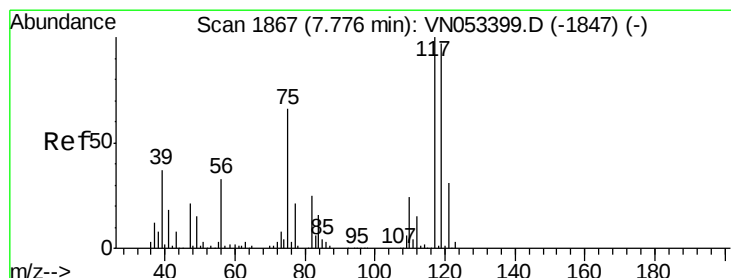
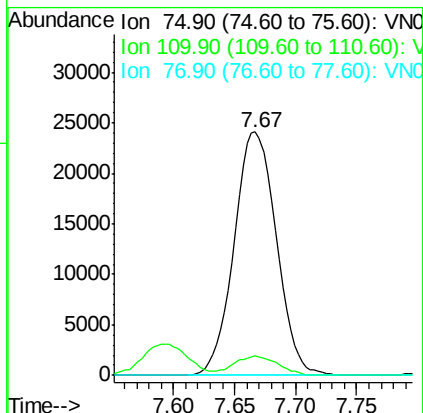
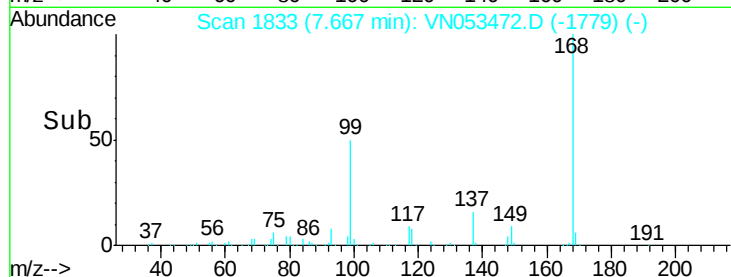
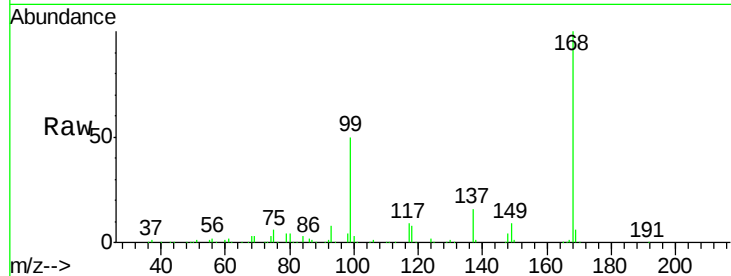
Tot Ion: 75 Resp: 57787

Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.3#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.469 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

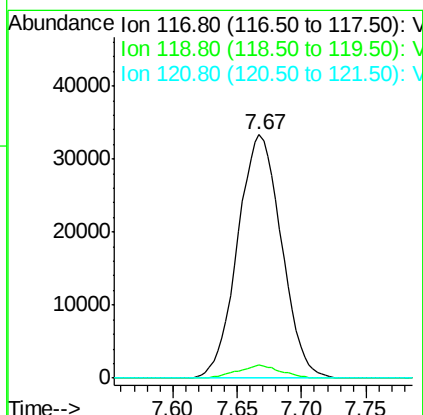
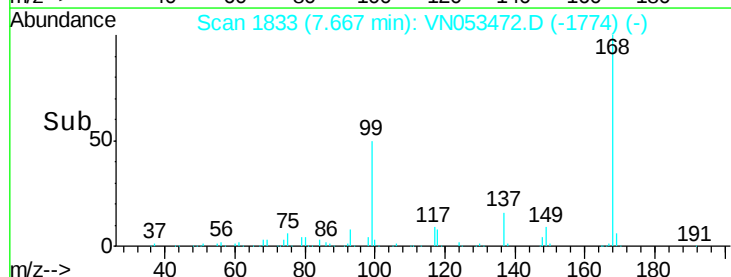
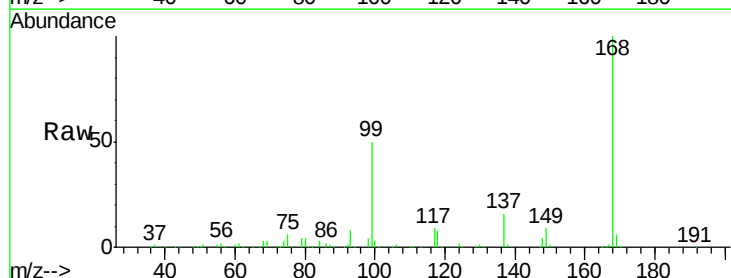
Tgt Ion: 117 Resp: 78752

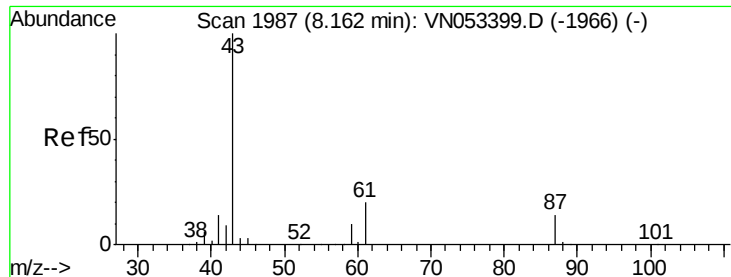
Ion Ratio Lower Upper

117 100

119 5.3 77.2 115.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.622 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

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SA-TW521-3337

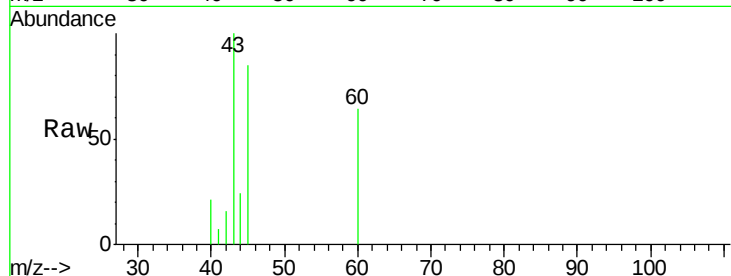
Tot Ion: 43 Resp: 8270

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

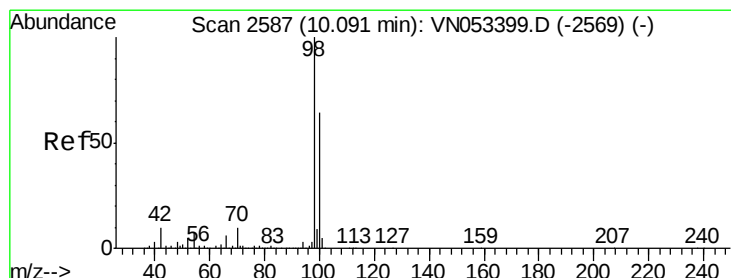
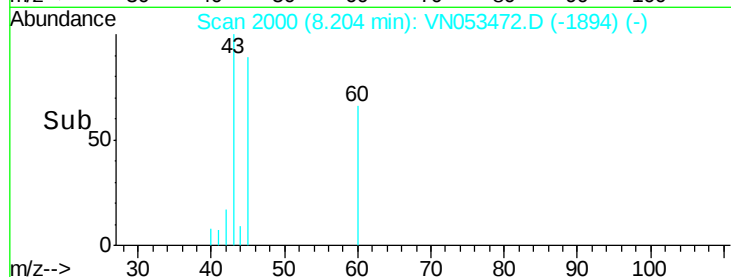
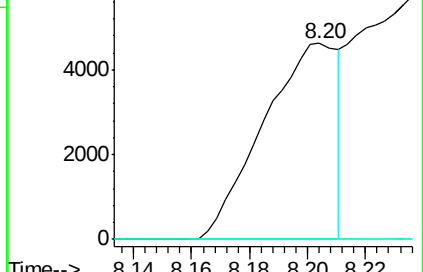
87 0.0 11.0 16.6#



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: VN053472.D

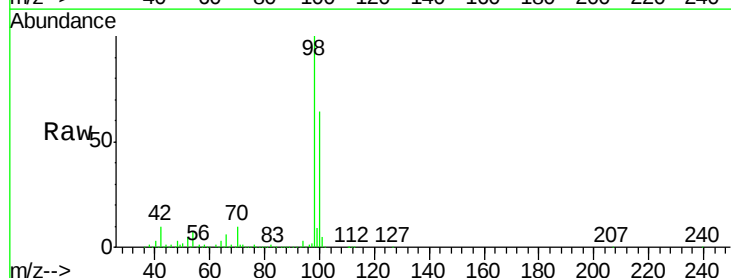
Acq: 18 Jan 2019 15:17

Tgt Ion: 98 Resp: 1736710

Ion Ratio Lower Upper

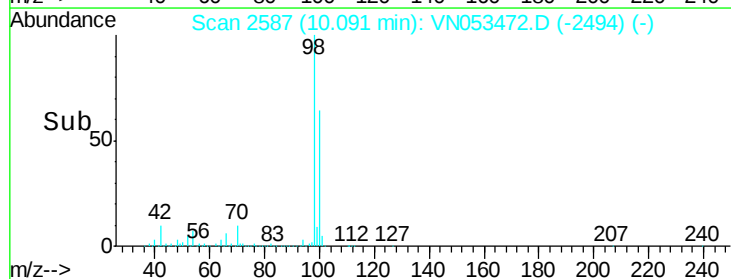
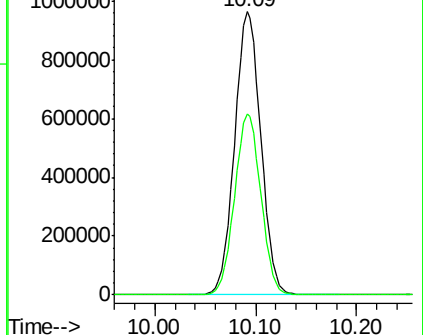
98 100

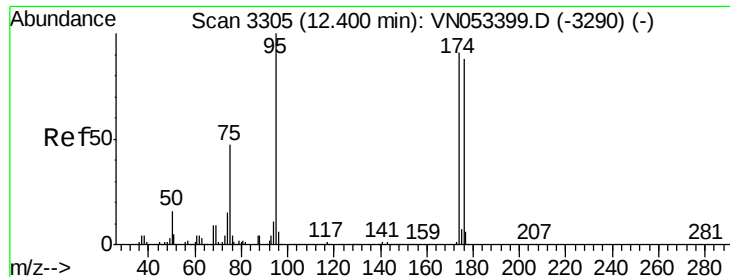
100 64.2 51.4 77.0



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# 3306

Delta R.T. 0.00 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-3337

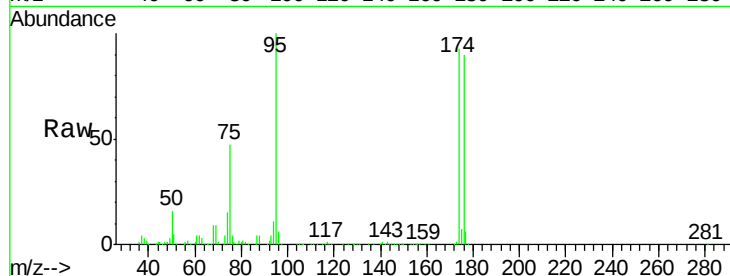
Tot Ion: 95 Resp: 571701

Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.2

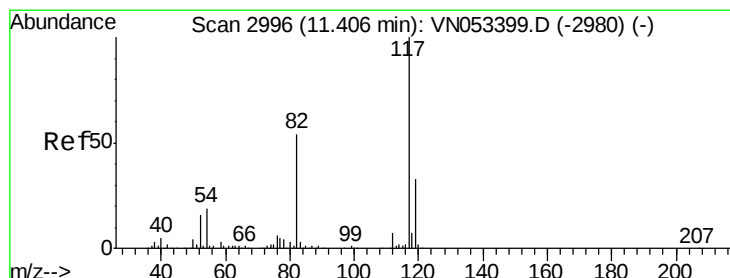
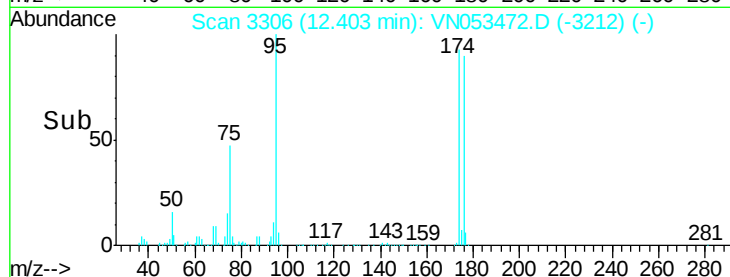
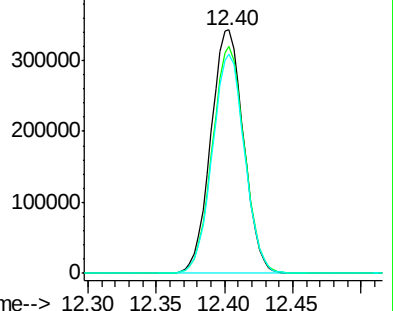
176 88.7 0.0 177.4



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# 2997

Delta R.T. 0.00 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

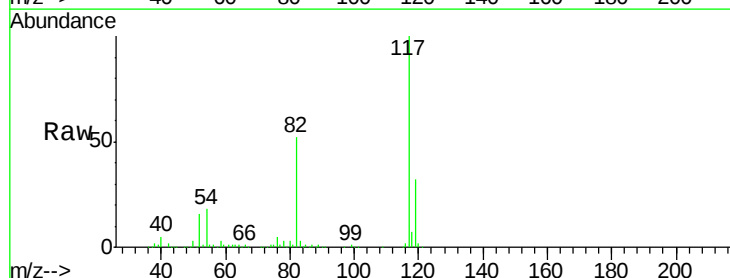
Tgt Ion: 117 Resp: 1295894

Ion Ratio Lower Upper

117 100

82 52.4 42.9 64.3

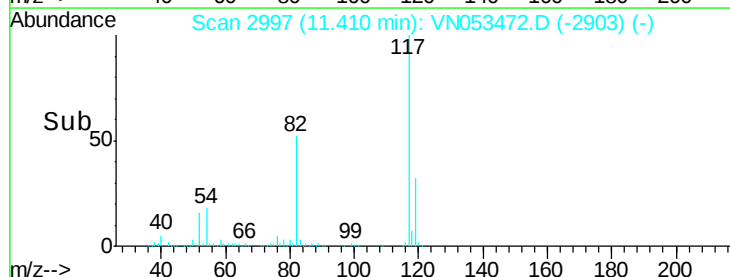
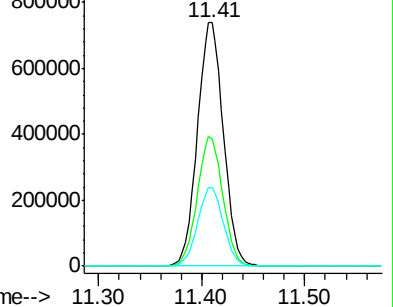
119 32.2 26.0 39.0

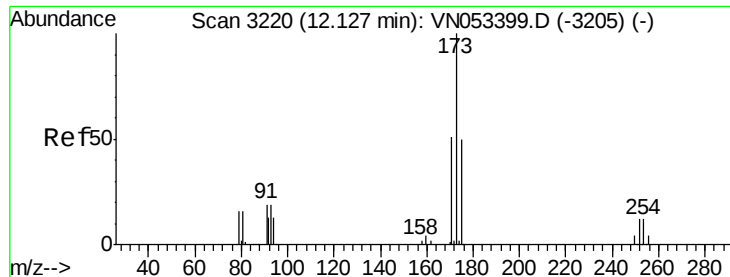


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

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

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

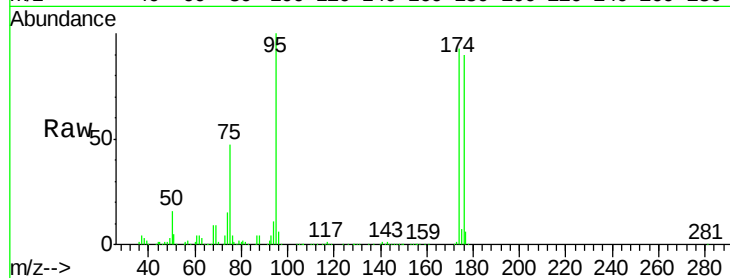




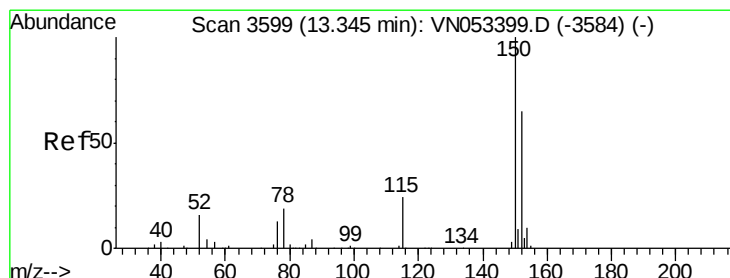
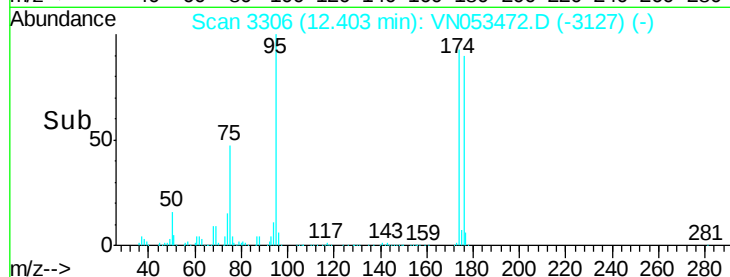
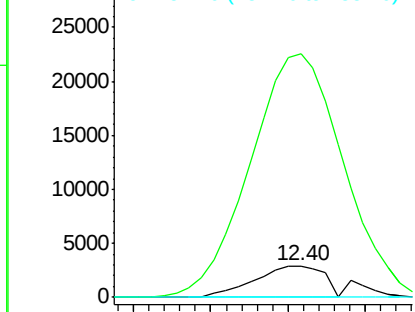
#71
Bromoform
Concen: 0.548 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053472.D
Acq: 18 Jan 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-3337

Tot Ion:173 Resp: 3599
Ion Ratio Lower Upper
173 100
175 906.8 24.6 74.0#
254 0.0 0.2 0.2#

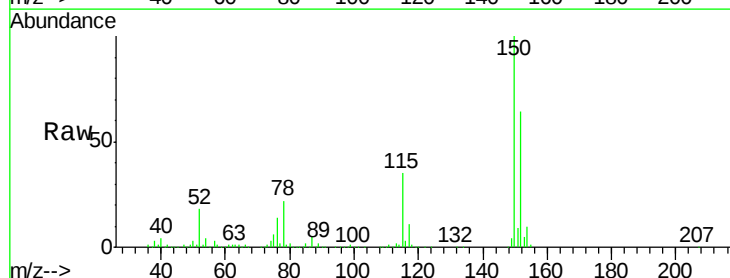


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

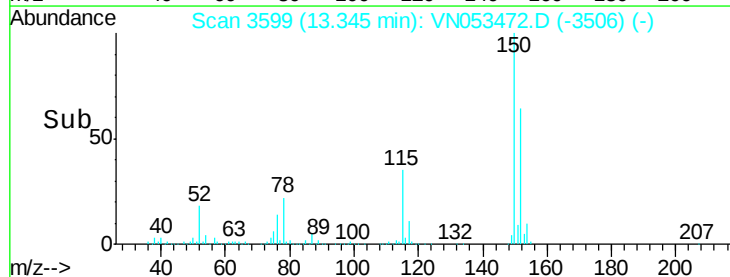
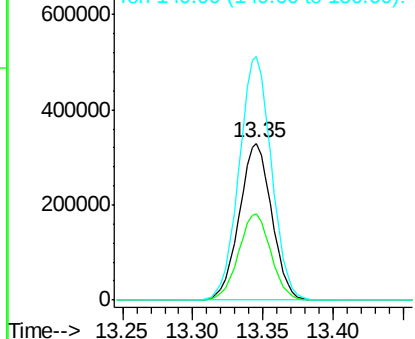


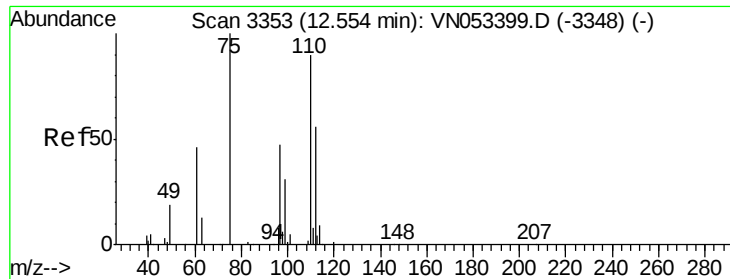
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053472.D
Acq: 18 Jan 2019 15:17

Tgt Ion:152 Resp: 529089
Ion Ratio Lower Upper
152 100
115 55.2 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: 38.242 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

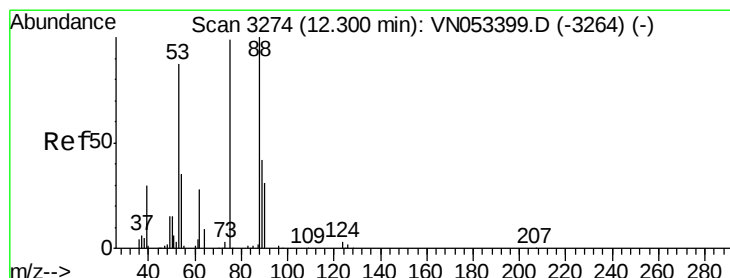
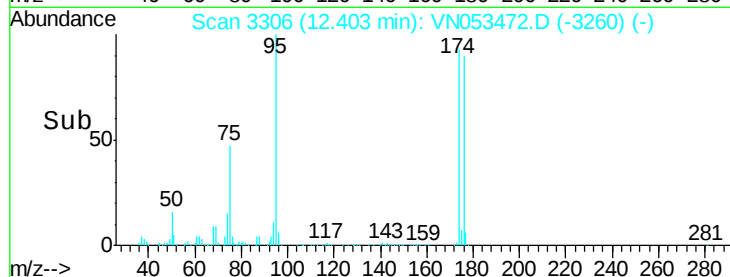
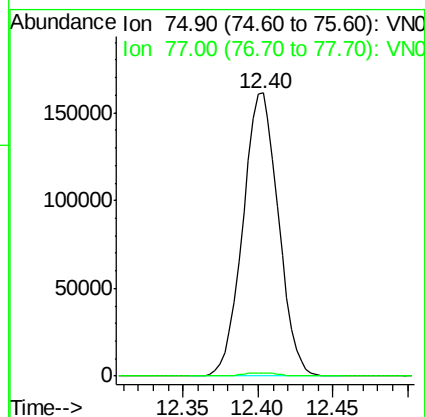
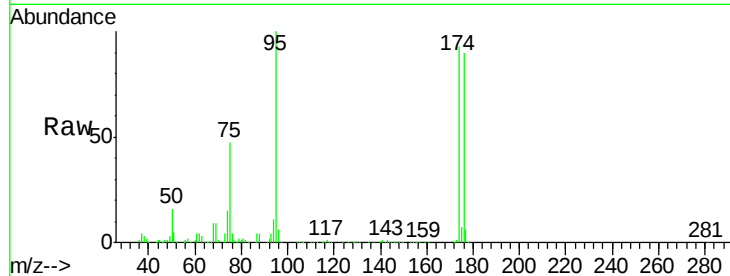
SA-TW521-3337

Tot Ion: 75 Resp: 266641

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.412 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053472.D

Acq: 18 Jan 2019 15:17

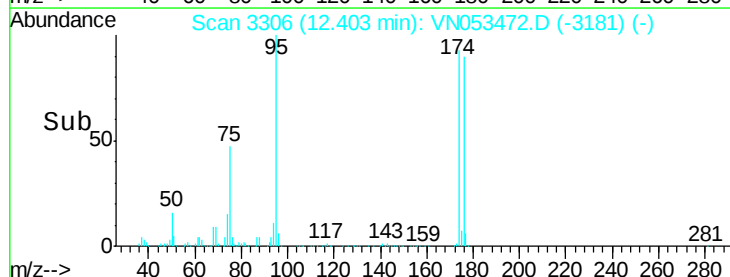
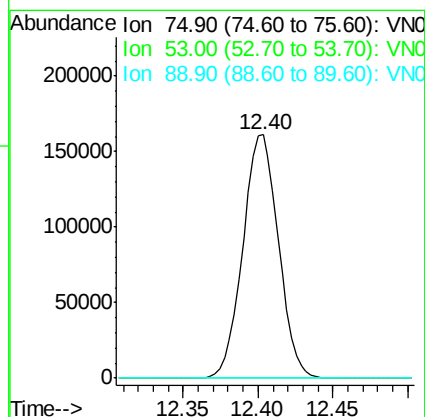
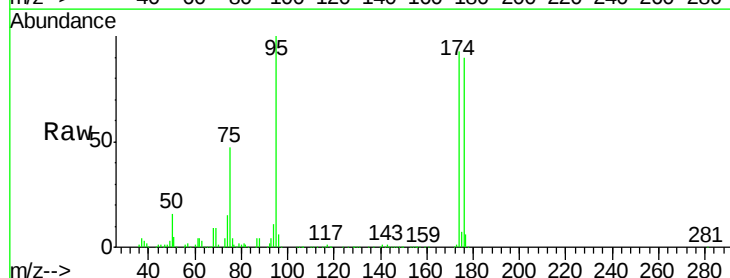
Tgt Ion: 75 Resp: 266641

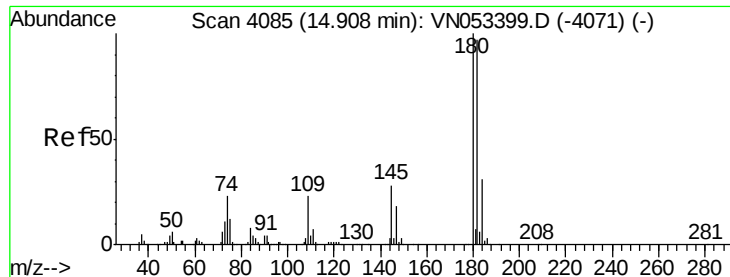
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

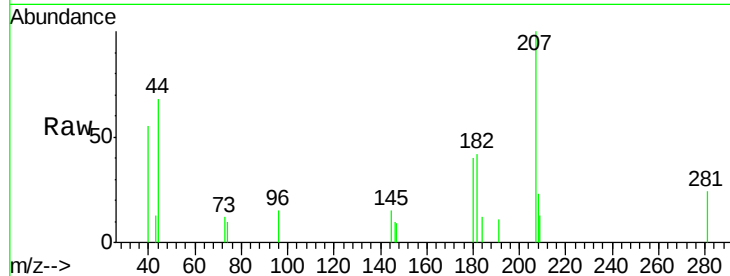




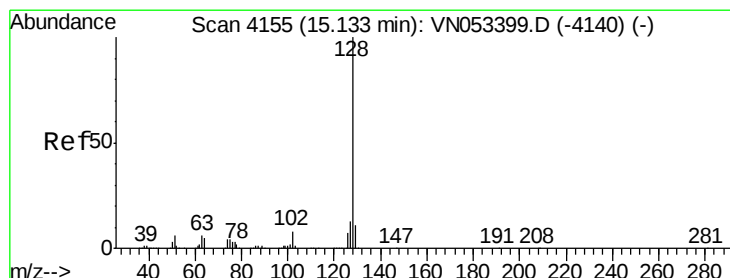
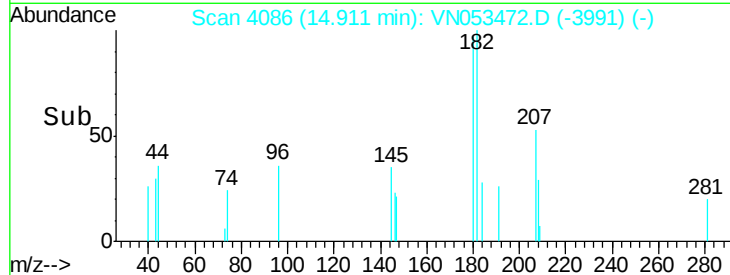
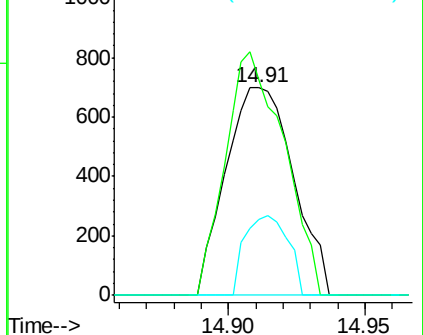
#93
 1,2,4-Trichlorobenzene
 Concen: 2.922 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053472.D
 Acq: 18 Jan 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-3337

Tot Ion:180 Resp: 1202
 Ion Ratio Lower Upper
 180 100
 182 101.7 48.1 144.3
 145 24.4 13.9 41.6

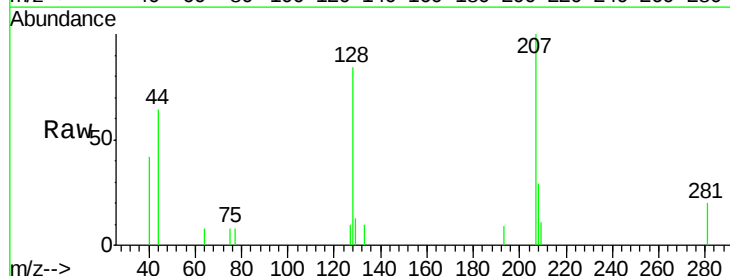


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

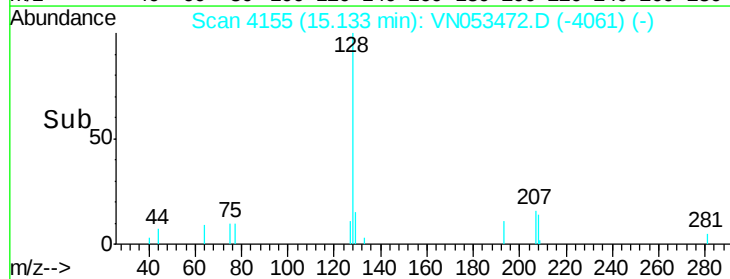
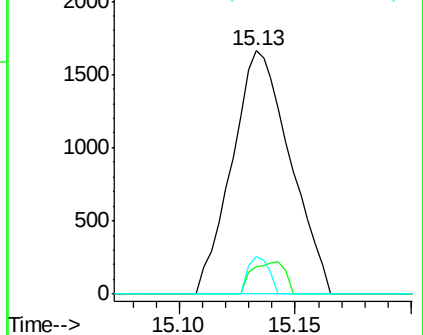


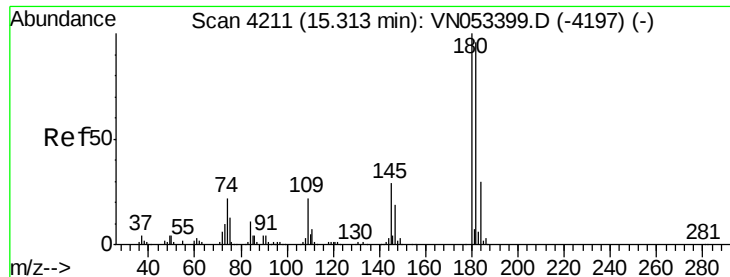
#95
 Naphthalene
 Concen: 4.147 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053472.D
 Acq: 18 Jan 2019 15:17

Tgt Ion:128 Resp: 2891
 Ion Ratio Lower Upper
 128 100
 127 7.5 10.3 15.5#
 129 5.6 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: 4.129 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN053472.D
 Acq: 18 Jan 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-3337

Tot Ion	Ratio	Lower	Upper
180	100		
182	114.6	47.9	143.8
145	19.9	14.7	44.1

