

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010219\
 Data File : VN053239.D
 Acq On : 2 Jan 2019 11:05
 Operator : MD\SY
 Sample : J6598-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 B3_122818

Quant Time: Jan 03 01:21:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1113471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1715593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1533859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	610248	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	548704	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	7.59	113	490988	62.65	ug/l	0.00
Spiked Amount			Recovery	=	125.30%	
50) Toluene-d8	10.09	98	2079187	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	684153	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	

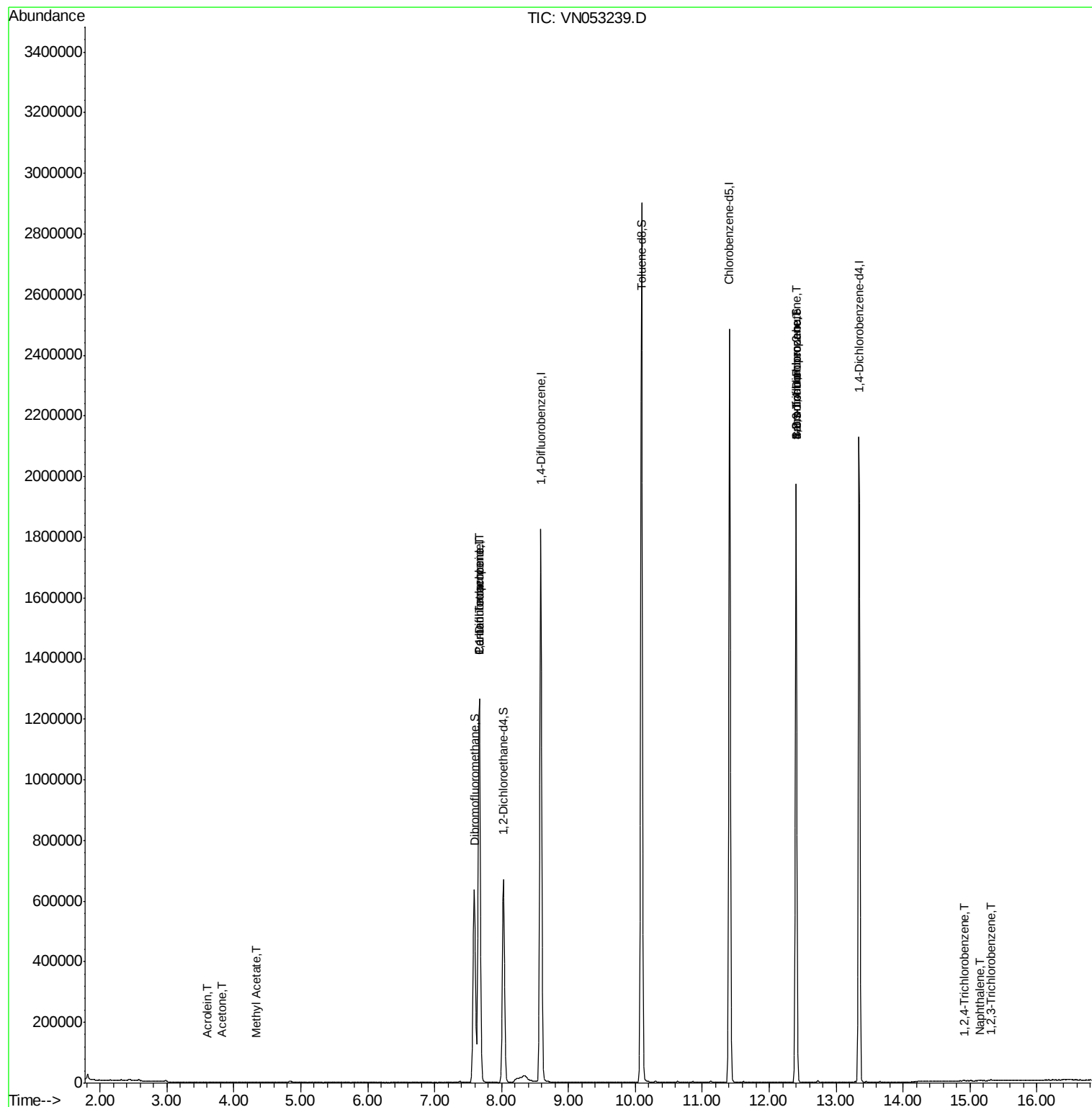
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	177	0.283	ug/l #	55
16) Acetone	3.82	43	3265	1.474	ug/l #	81
18) Methyl Acetate	4.33	43	1413	1.130	ug/l	92
31) Cyclohexane	7.67	56	17368	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	72882	4.426	ug/l #	48
38) Carbon Tetrachloride	7.66	117	94994	6.294	ug/l #	15
43) Isopropyl Acetate	8.24	43	14004	Below Cal	#	53
71) Bromoform	12.40	173	4206	0.492	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	315474	30.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	315474	98.980	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	1197	0.704	ug/l	83
94) Hexachlorobutadiene	15.01	225	188	Below Cal	#	40
95) Naphthalene	15.13	128	3511	1.290	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.31	180	667	0.575	ug/l #	32

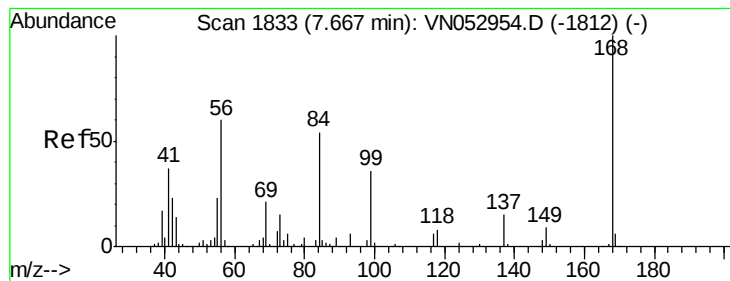
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN010219\
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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: VN053239.D

Acq: 2 Jan 2019 11:05

Instrument :

MSVOA_N

ClientSampled :

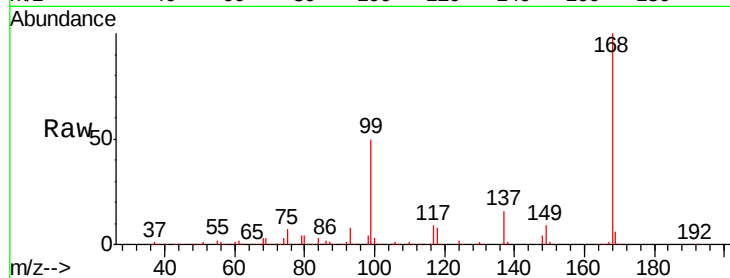
B3 122818

Tgt Ion:168 Resp: 1113471

Ion Ratio Lower Upper

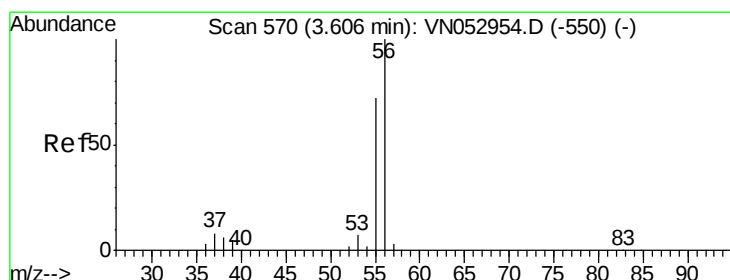
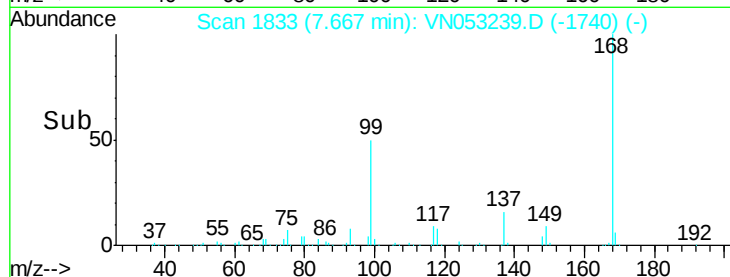
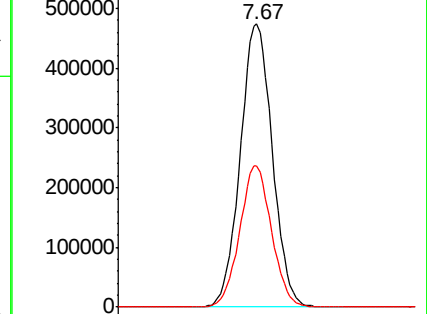
168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053239.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053239.D (-1740) (-)



#13

Acrolein

Concen: 0.283 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053239.D

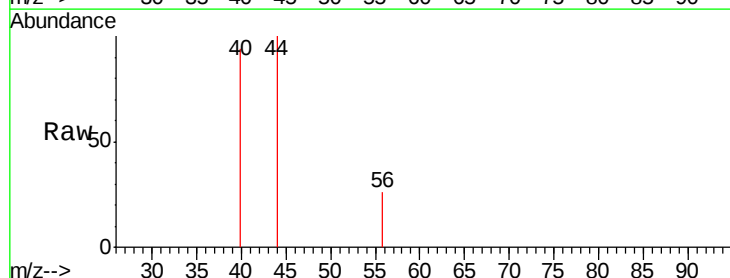
Acq: 2 Jan 2019 11:05

Tgt Ion: 56 Resp: 177

Ion Ratio Lower Upper

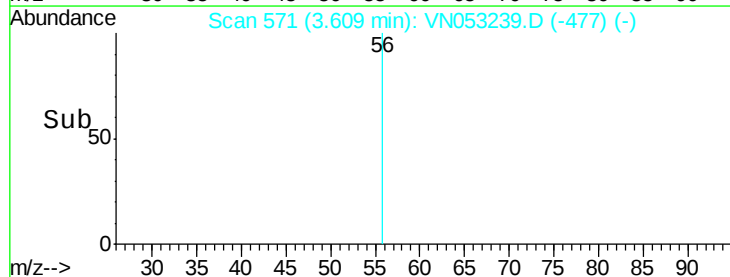
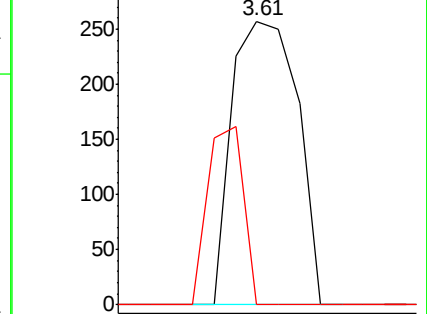
56 100

55 33.9 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053239.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN053239.D (-477) (-)





#16

Acetone

Concen: 1.474 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

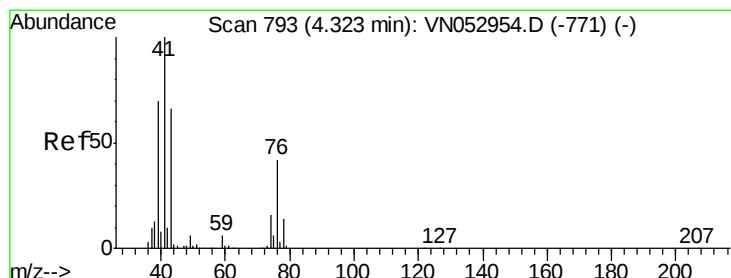
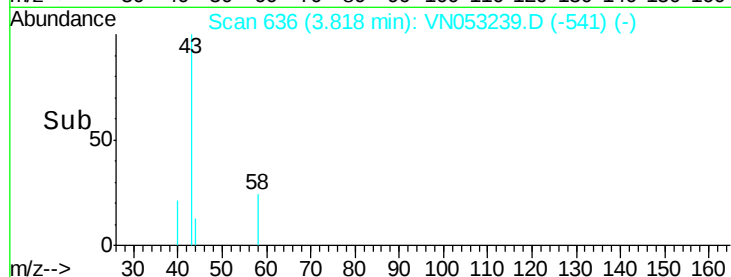
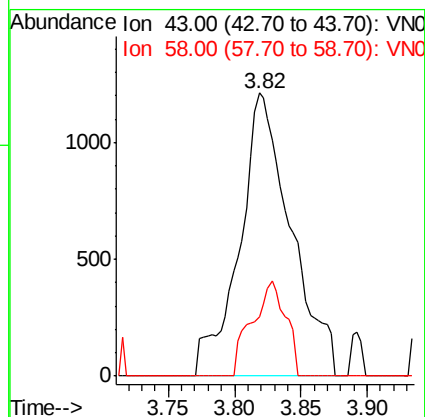
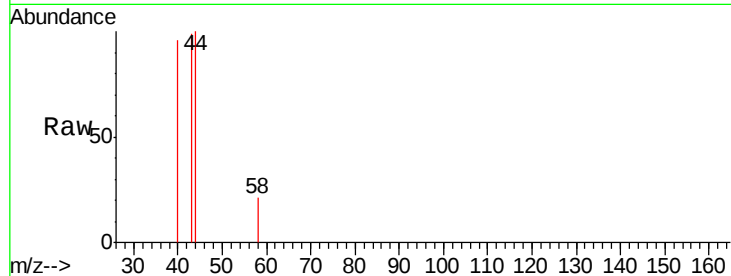
B3_122818

Tgt Ion: 43 Resp: 3265

Ion Ratio Lower Upper

43 100

58 21.1 25.4 38.0#



#18

Methyl Acetate

Concen: 1.130 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053239.D

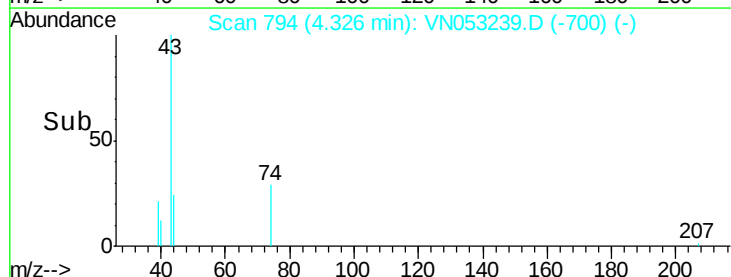
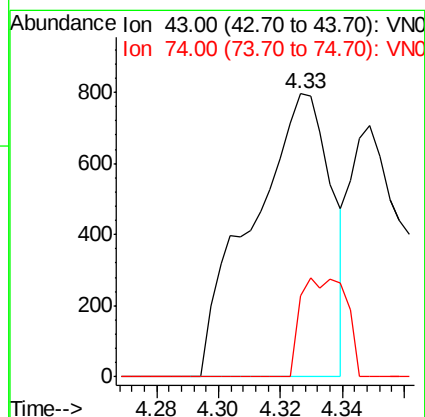
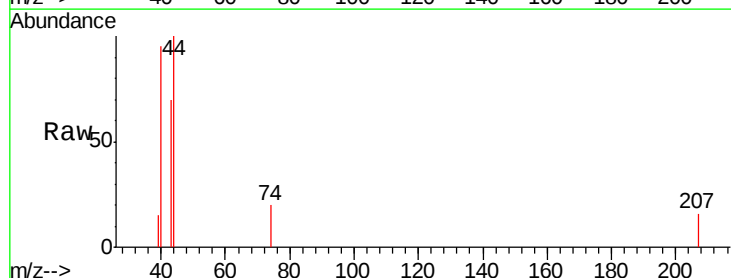
Acq: 2 Jan 2019 11:05

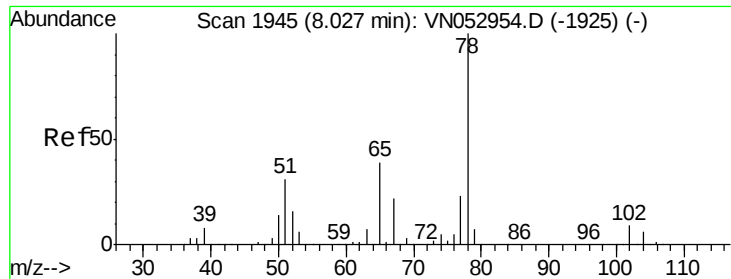
Tgt Ion: 43 Resp: 1413

Ion Ratio Lower Upper

43 100

74 20.2 19.2 28.8





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

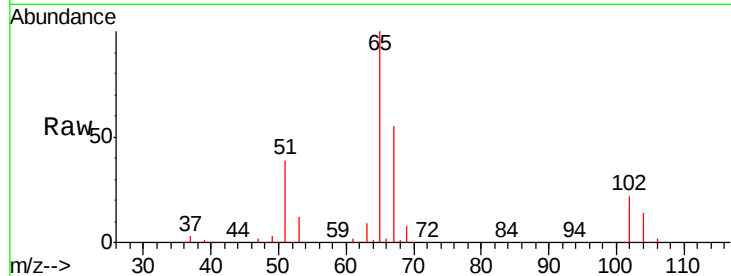
Instrument :
MSVOA_N
ClientSampled :
B3_122818

Tgt Ion: 65 Resp: 548704

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN053239.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053239.D (-1852) (-)

8.03

250000

200000

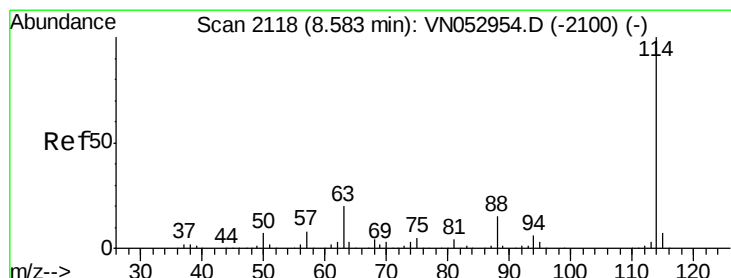
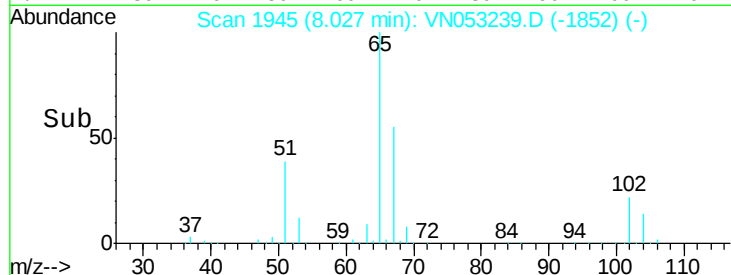
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

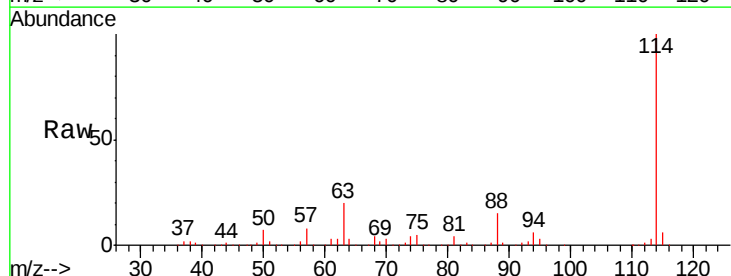
Tgt Ion: 114 Resp: 1715593

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN053239.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN053239.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN053239.D (-2025) (-)

8.59

1000000

800000

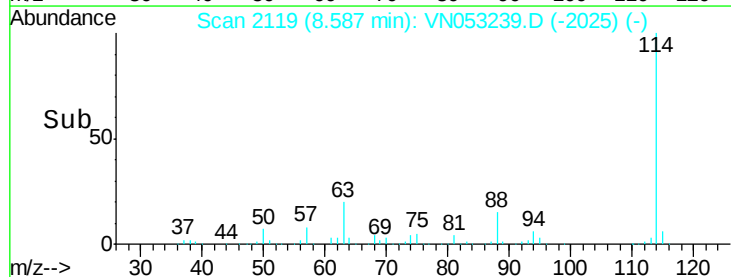
600000

400000

200000

0

Time-->

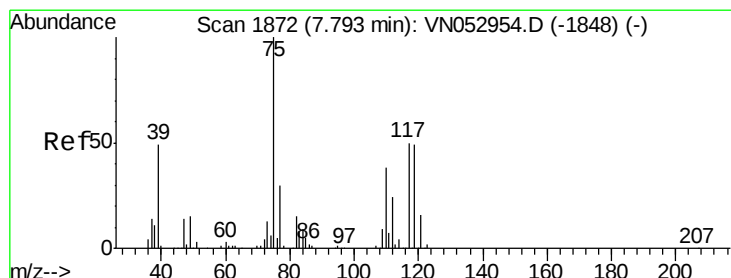
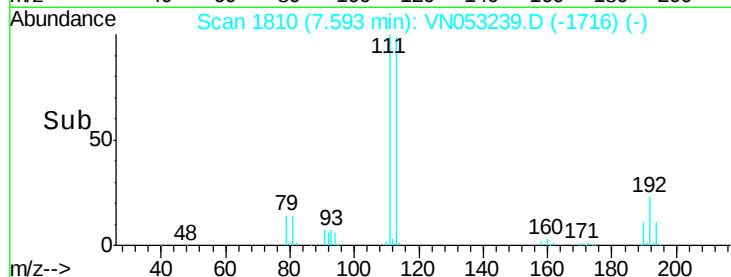
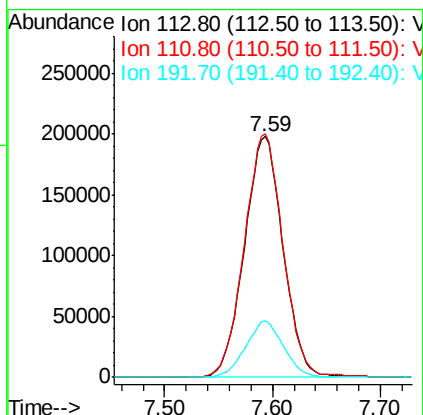
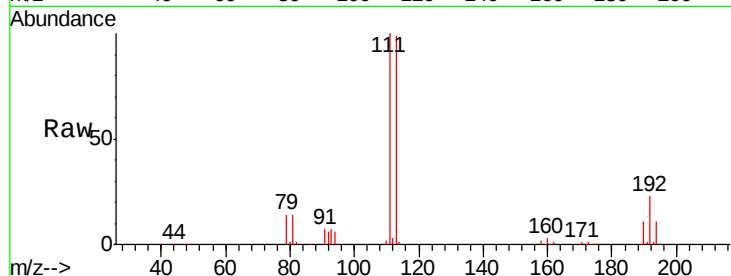




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053239.D
 Acq: 2 Jan 2019 11:05

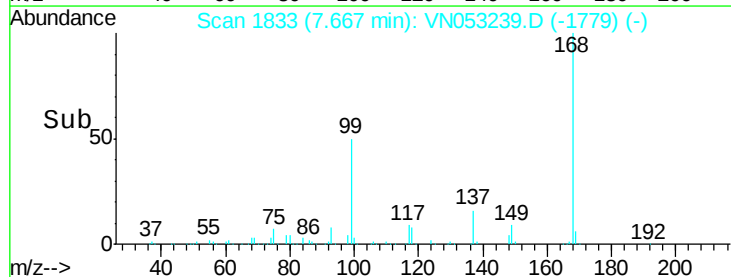
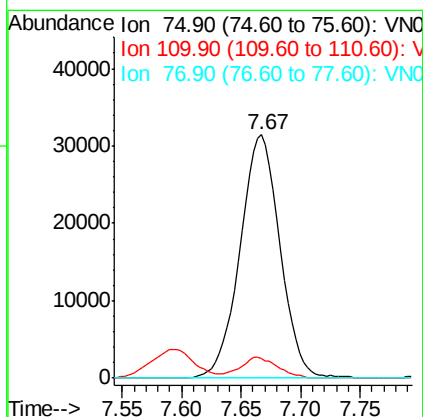
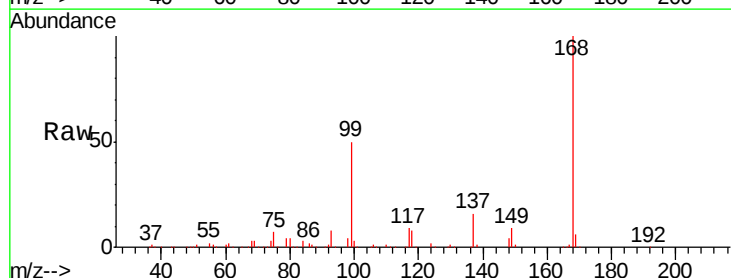
Instrument :
 MSVOA_N
 ClientSampled :
 B3_122818

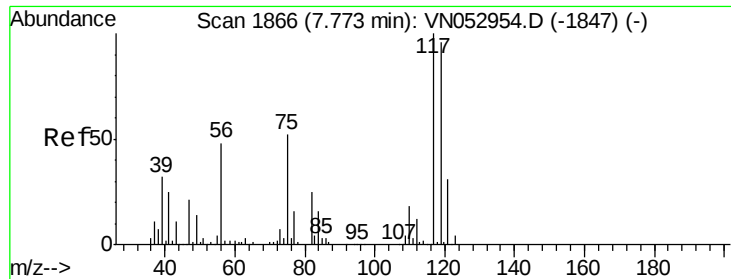
Tgt Ion:113 Resp: 490988
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.0 124.4
 192 23.0 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.426 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053239.D
 Acq: 2 Jan 2019 11:05

Tgt Ion: 75 Resp: 72882
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.2 54.6#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.294 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

Instrument :

MSVOA_N

ClientSampled :

B3_122818

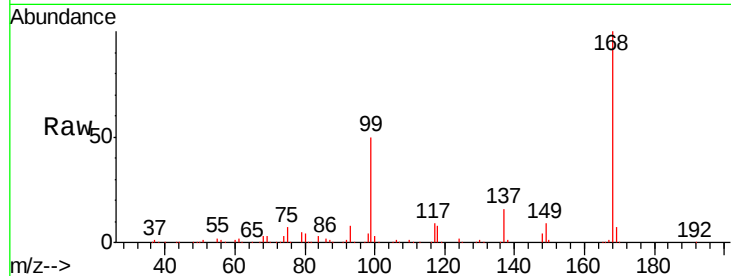
Tgt Ion:117 Resp: 94994

Ion Ratio Lower Upper

117 100

119 4.6 77.1 115.7#

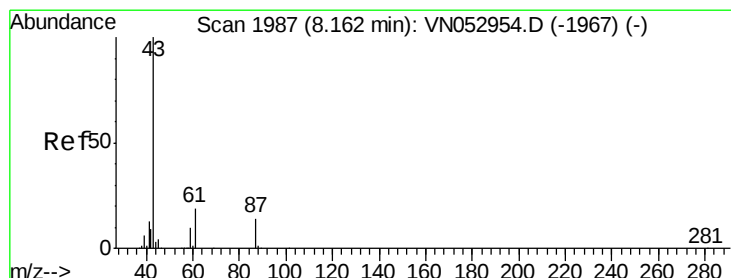
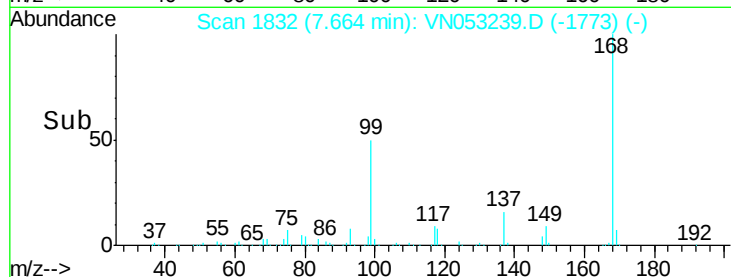
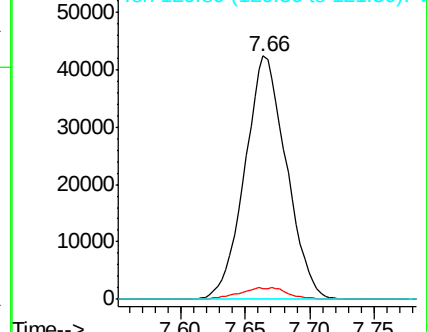
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.24 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

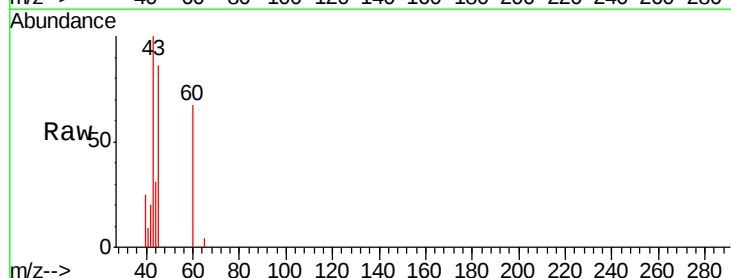
Tgt Ion: 43 Resp: 14004

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

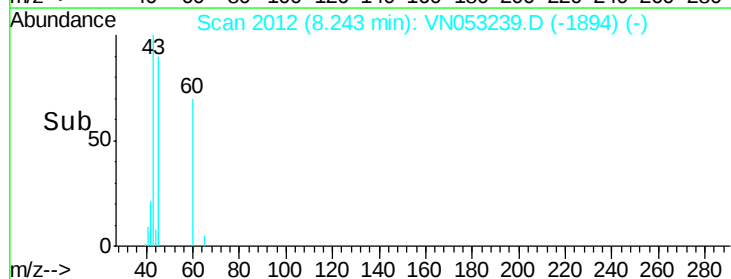
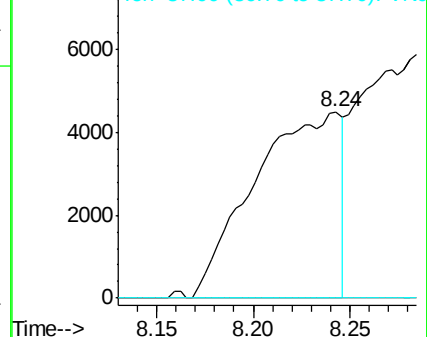
87 0.0 10.6 15.8#

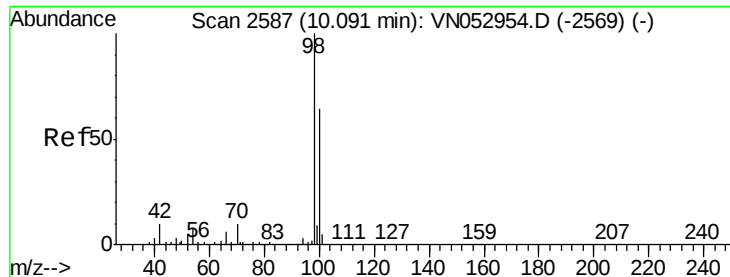


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

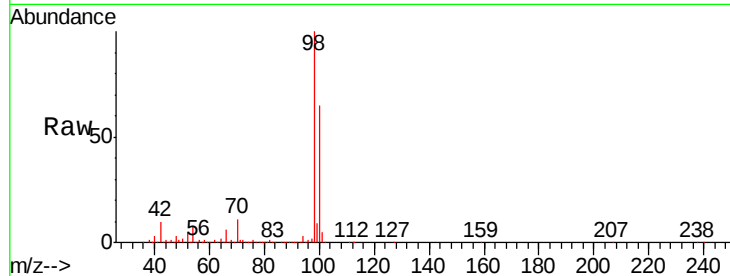
B3_122818

Tgt Ion: 98 Resp: 2079187

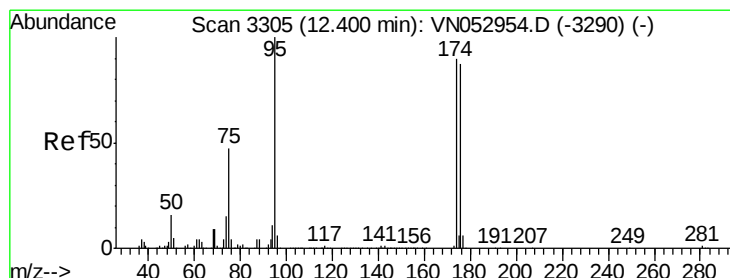
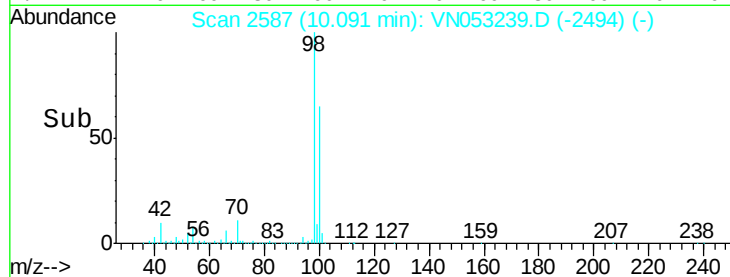
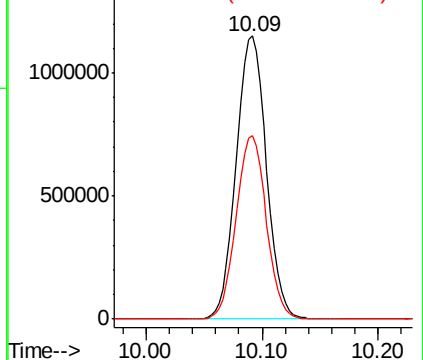
Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053239.D (-2494) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

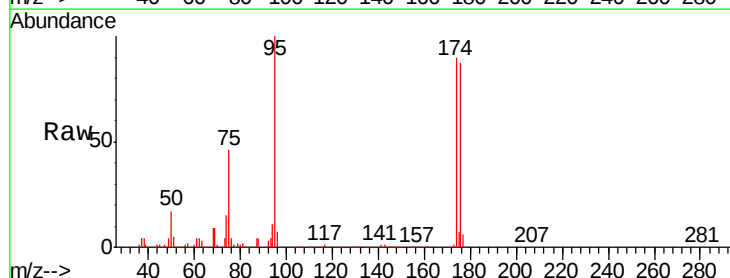
Tgt Ion: 95 Resp: 684153

Ion Ratio Lower Upper

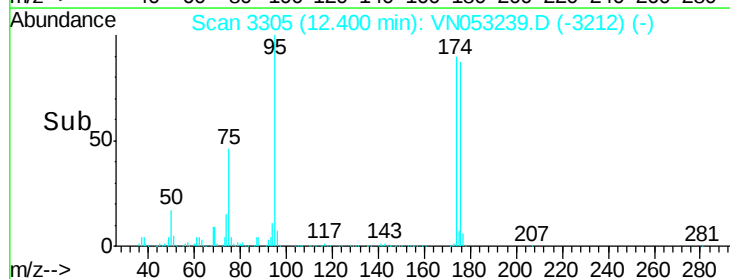
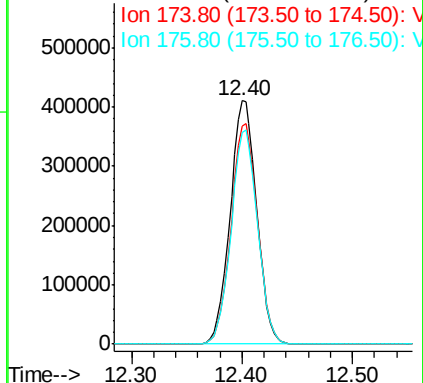
95 100

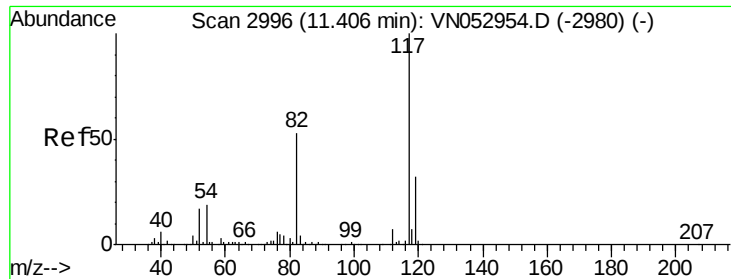
174 90.4 0.0 178.8

176 87.6 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN053239.D (-3212) (-)

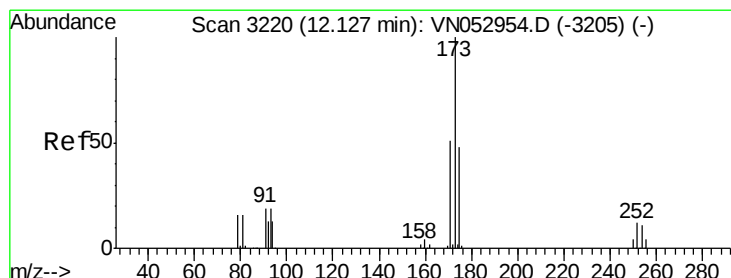
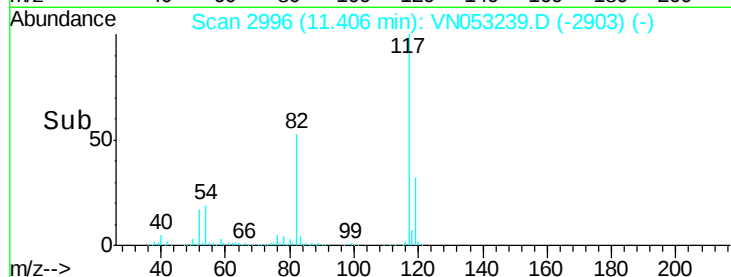
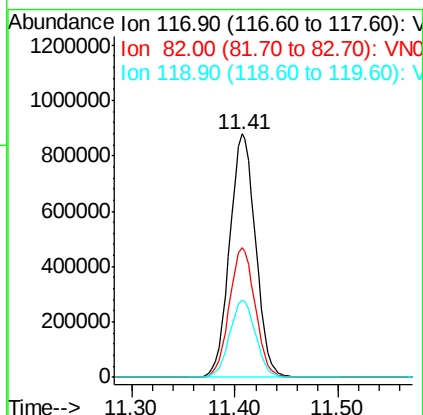
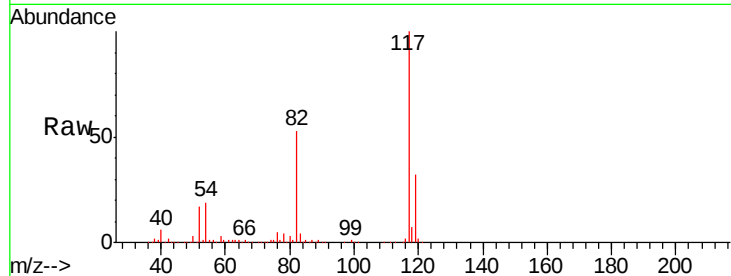




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053239.D
Acq: 2 Jan 2019 11:05

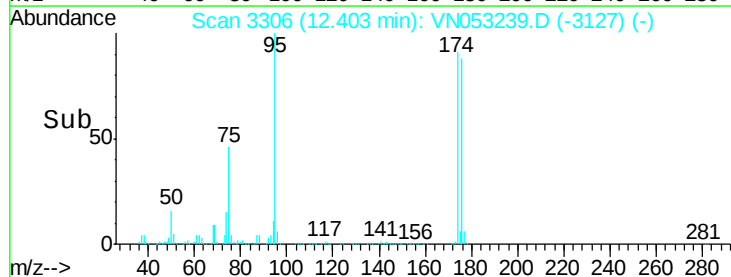
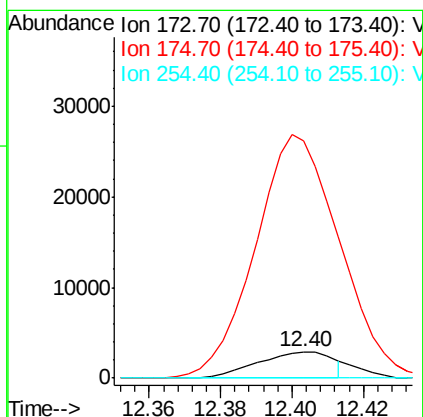
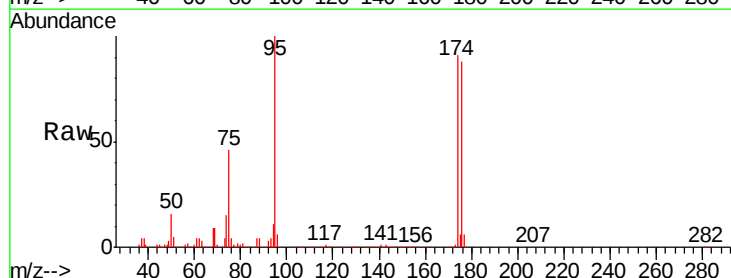
Instrument :
MSVOA_N
ClientSampleId :
B3_122818

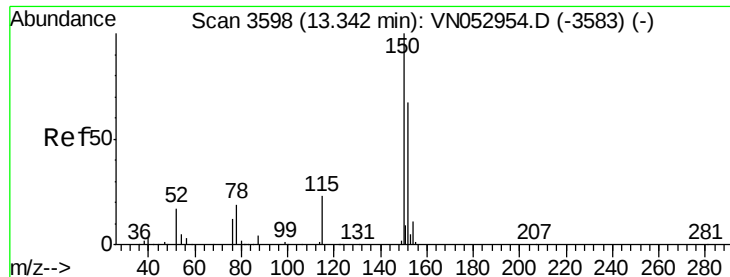
Tgt Ion:117 Resp: 1533859
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 31.7 25.5 38.3



#71
Bromoform
Concen: 0.492 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053239.D
Acq: 2 Jan 2019 11:05

Tgt Ion:173 Resp: 4206
Ion Ratio Lower Upper
173 100
175 908.8 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

B3_122818

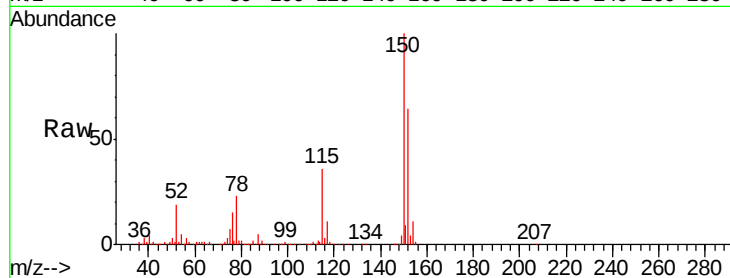
Tgt Ion:152 Resp: 610248

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

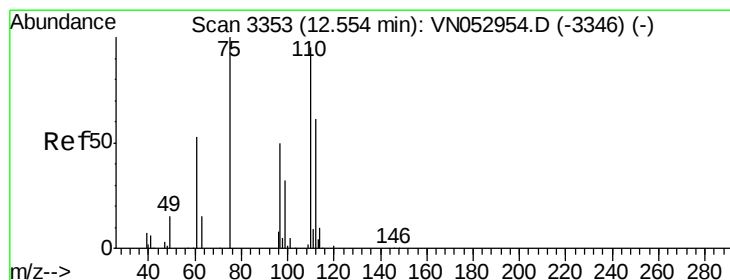
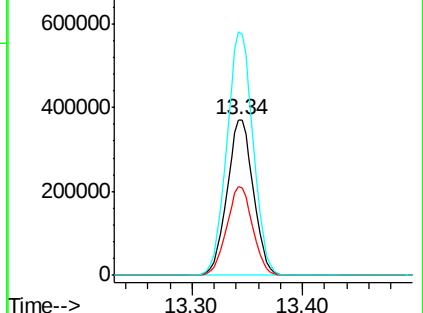
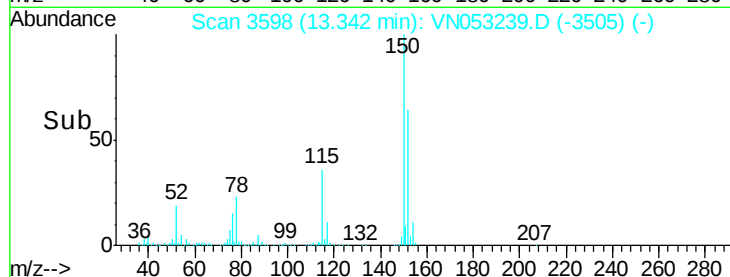
150 156.5 0.0 347.8



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: 30.709 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053239.D

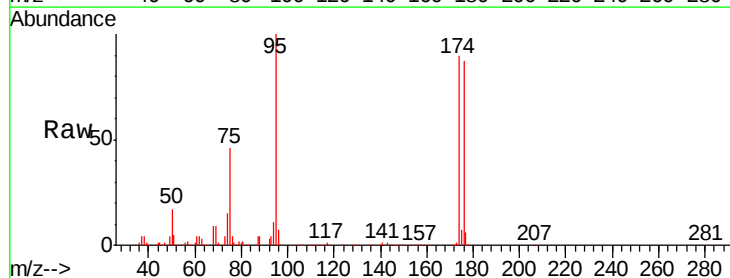
Acq: 2 Jan 2019 11:05

Tgt Ion: 75 Resp: 315474

Ion Ratio Lower Upper

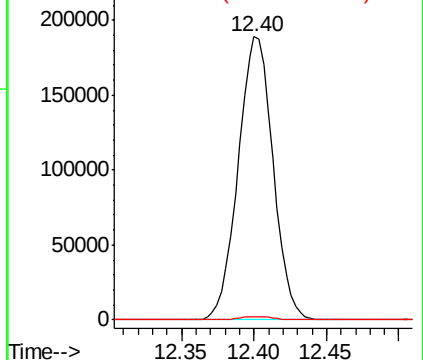
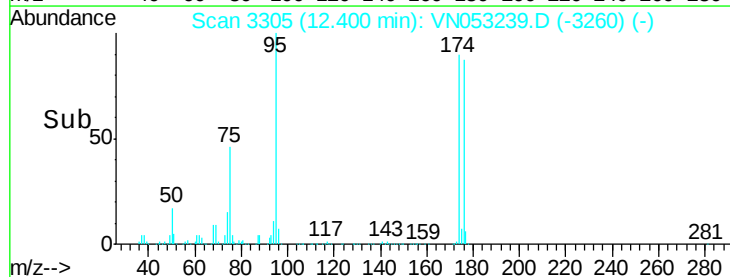
75 100

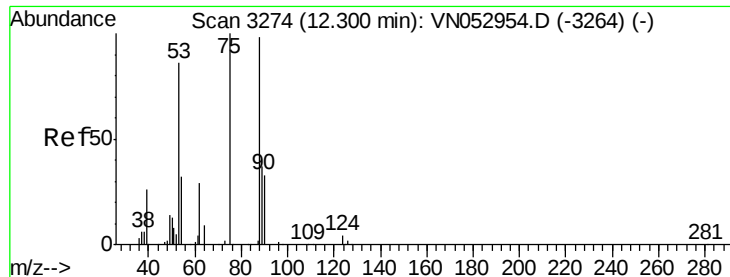
77 1.2 0.0 0.0#



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: 98.980 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

Instrument :

MSVOA_N

ClientSampled :

B3_122818

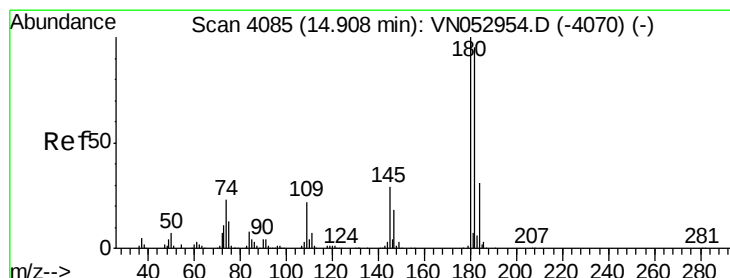
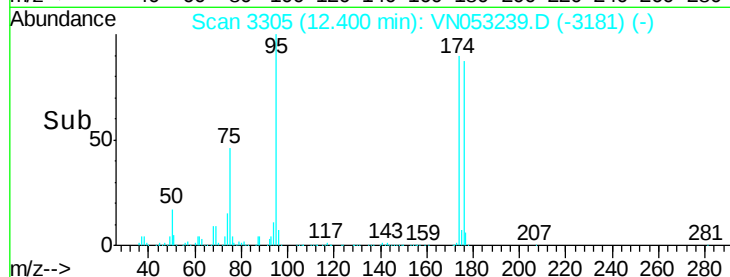
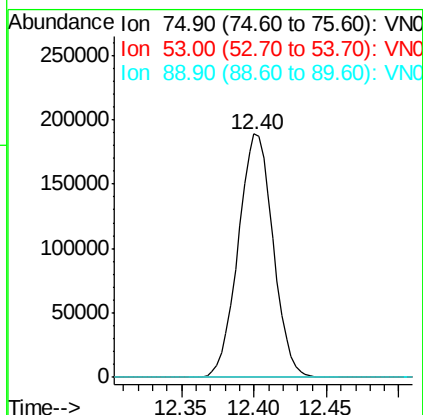
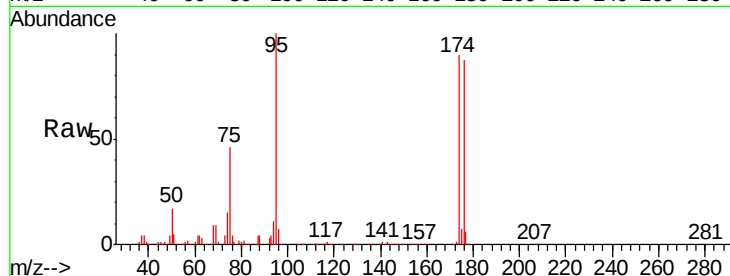
Tgt Ion: 75 Resp: 315474

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



#93

1,2,4-Trichlorobenzene

Concen: 0.704 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

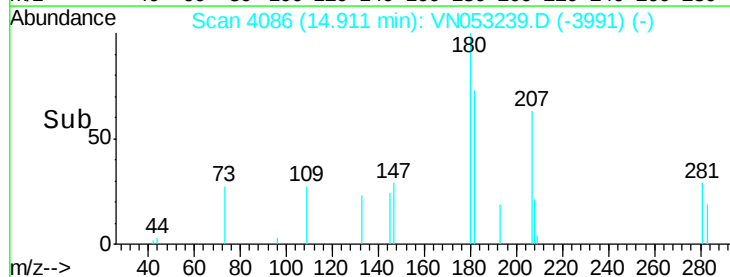
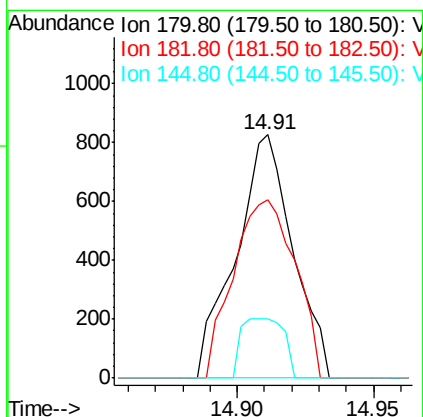
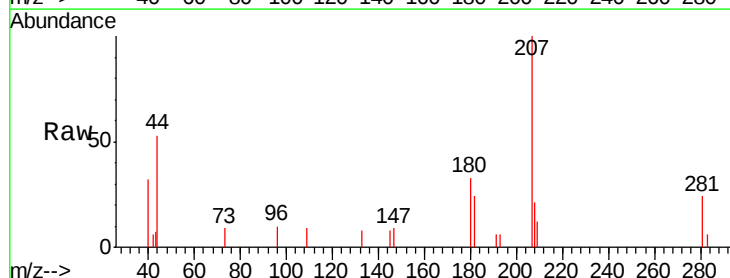
Tgt Ion: 180 Resp: 1197

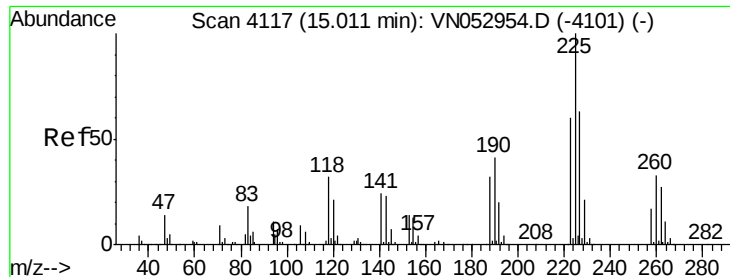
Ion Ratio Lower Upper

180 100

182 79.9 47.8 143.3

145 18.2 14.2 42.6





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

Instrument :

MSVOA_N

ClientSampled :

B3_122818

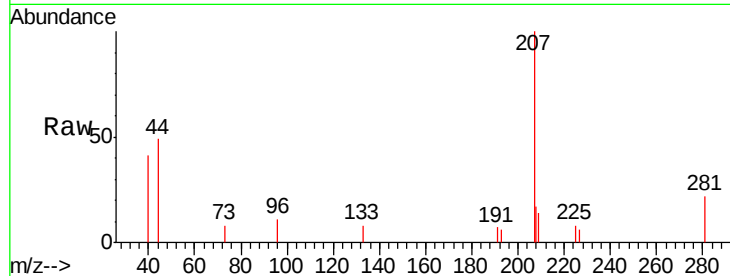
Tgt Ion: 225 Resp: 188

Ion Ratio Lower Upper

225 100

223 0.0 31.5 94.5#

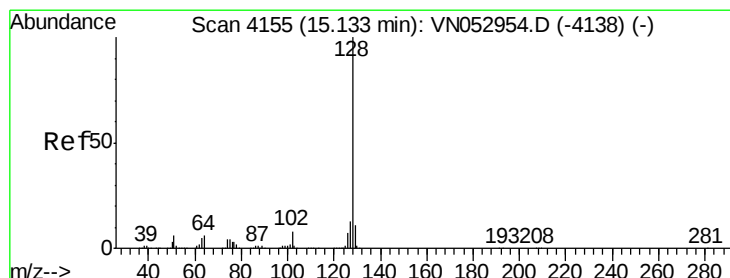
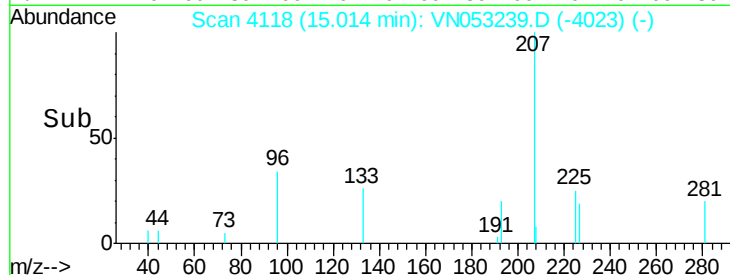
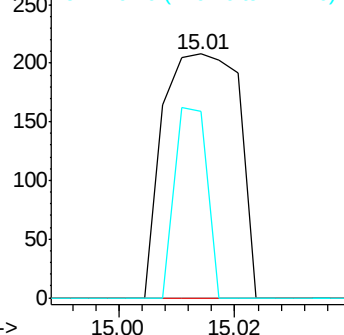
227 33.0 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.290 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053239.D

Acq: 2 Jan 2019 11:05

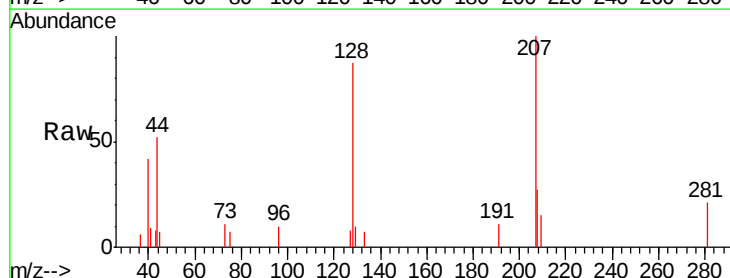
Tgt Ion: 128 Resp: 3511

Ion Ratio Lower Upper

128 100

127 5.2 10.2 15.4#

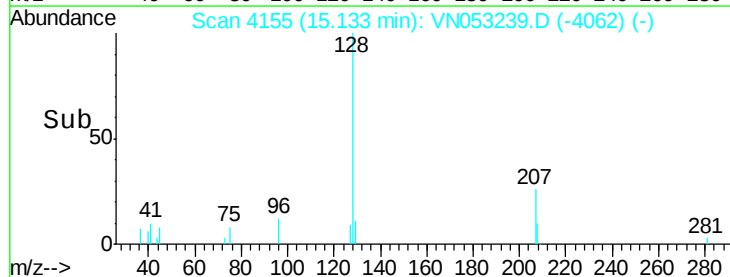
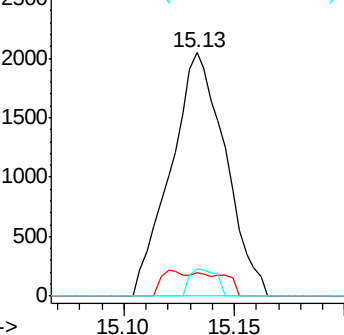
129 5.5 8.6 13.0#

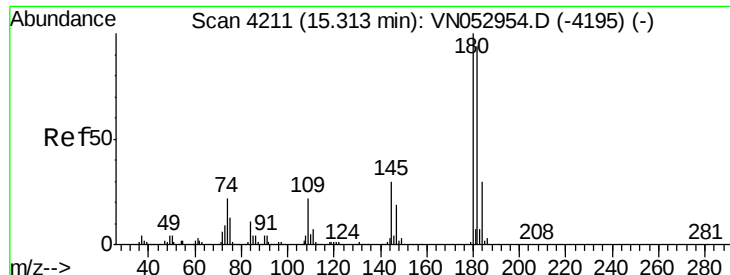


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

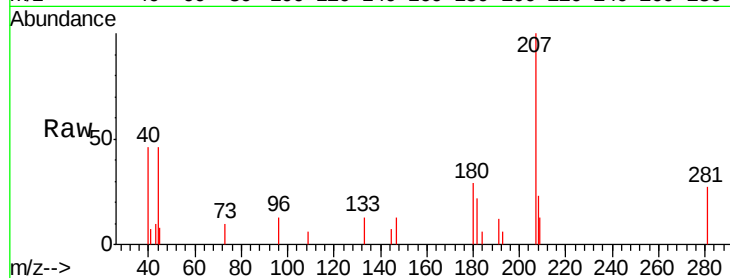




#96
 1,2,3-Trichlorobenzene
 Concen: 0.575 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: VN053239.D
 Acq: 2 Jan 2019 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 B3_122818

Tgt Ion	Ratio	Lower	Upper
180	100		
182	176.9	47.9	143.7#
145	41.5	15.0	45.0



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

