

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053596.D
 Acq On : 4 Feb 2019 15:03
 Operator : JC/SP
 Sample : K1299-06
 Misc : 5.09µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 0039-AMND-COMP-2

Quant Time: Feb 05 01:26:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	792659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1252749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1147273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	523354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	392291	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	7.59	113	377565	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	10.09	98	1516308	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.40	95	520377	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

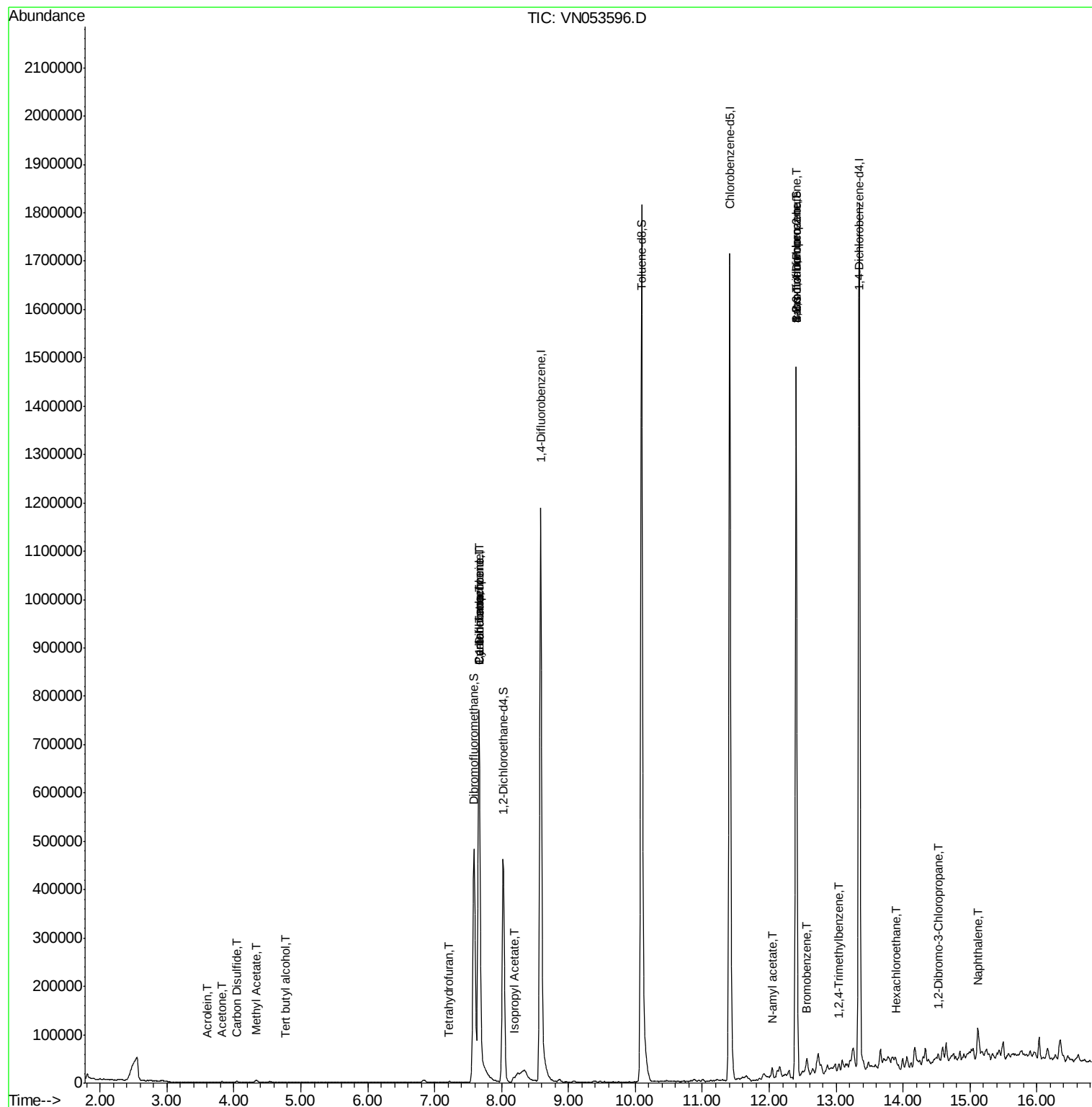
						Qvalue
11) Tert butyl alcohol	4.77	59	147	0.312	ug/l #	72
13) Acrolein	3.60	56	65	0.254	ug/l #	14
16) Acetone	3.82	43	2587	1.268	ug/l #	79
17) Carbon Disulfide	4.04	76	5511	0.241	ug/l	97
18) Methyl Acetate	4.33	43	10772	1.783	ug/l	95
29) Tetrahydrofuran	7.21	42	605	0.324	ug/l #	67
31) Cyclohexane	7.66	56	11375	0.679	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	46467	4.115	ug/l #	48
38) Carbon Tetrachloride	7.66	117	64756	5.692	ug/l #	15
43) Isopropyl Acetate	8.18	43	5718	0.469	ug/l #	51
71) Bromoform	12.40	173	3458	0.593	ug/l #	1
74) N-amyl acetate	12.05	43	4674	0.528	ug/l #	70
76) 1,2,3-Trichloropropane	12.40	75	243963	36.292	ug/l #	100
77) Bromobenzene	12.57	156	13030	1.314	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	243963	102.051	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	9297	0.299	ug/l	99
90) Hexachloroethane	13.89	117	1240	0.234	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.52	75	562	0.448	ug/l #	22
95) Naphthalene	15.13	128	26719	2.858	ug/l #	95

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

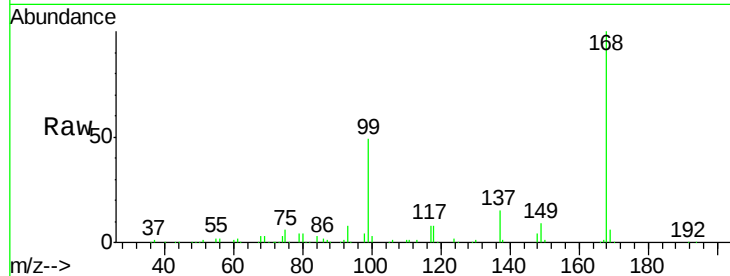
0039-AMND-COMP-2

Tot Ion:168 Resp: 792659

Ion Ratio Lower Upper

168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

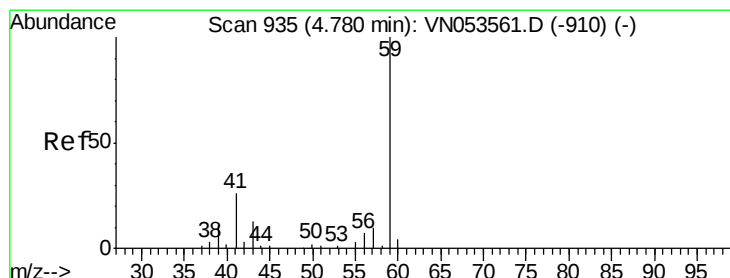
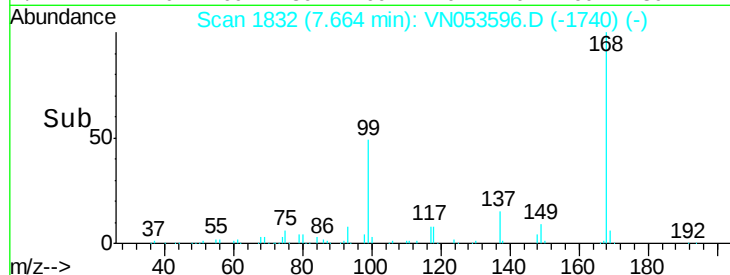
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.312 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN053596.D

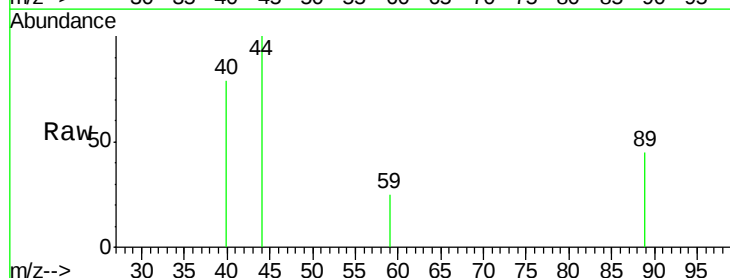
Acq: 4 Feb 2019 15:03

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

250

200

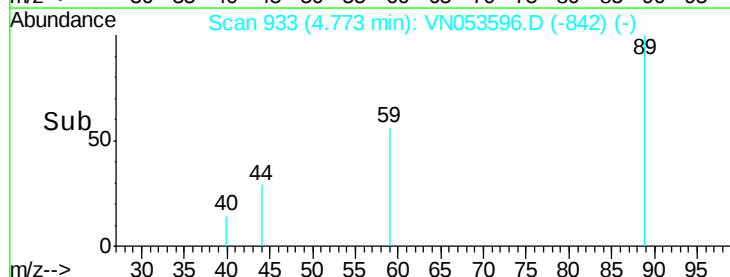
150

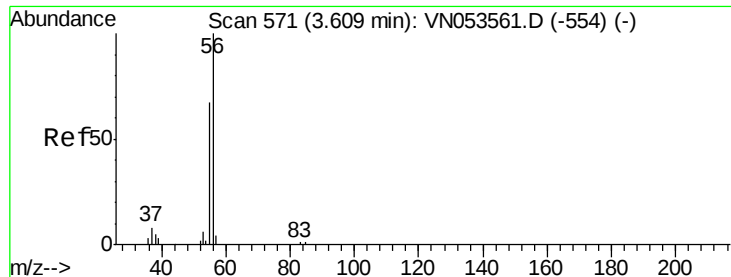
100

50

0

Time-->





#13

Acrolein

Concen: 0.254 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

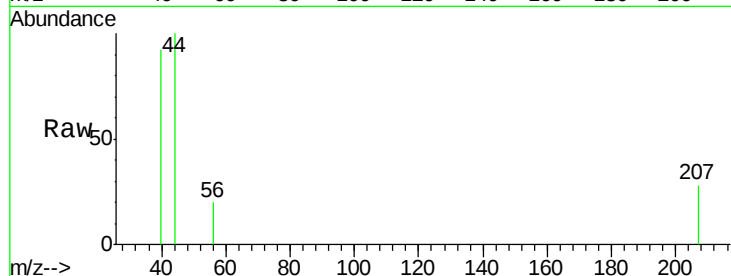
0039-AMND-COMP-2

Tot Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

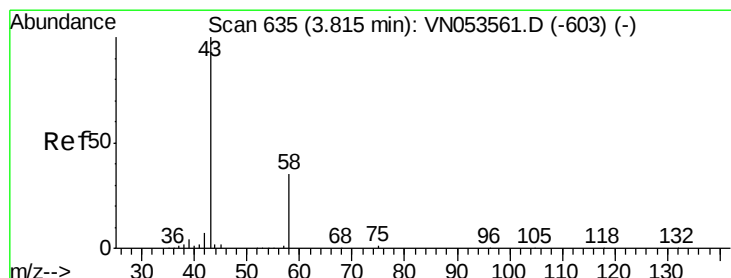
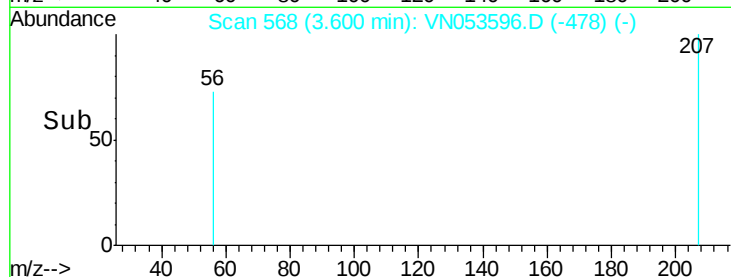
150

100

50

0

Time-->



#16

Acetone

Concen: 1.268 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053596.D

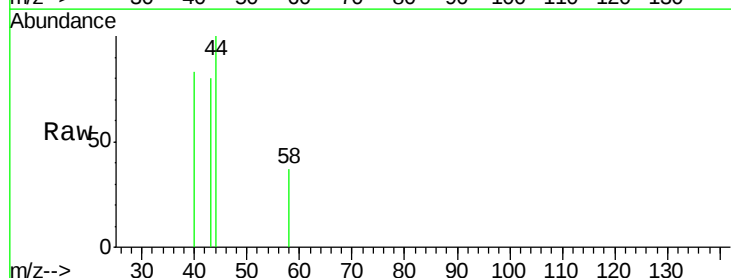
Acq: 4 Feb 2019 15:03

Tgt Ion: 43 Resp: 2587

Ion Ratio Lower Upper

43 100

58 45.9 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

800

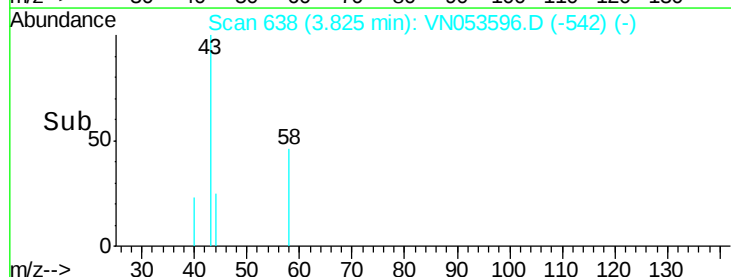
600

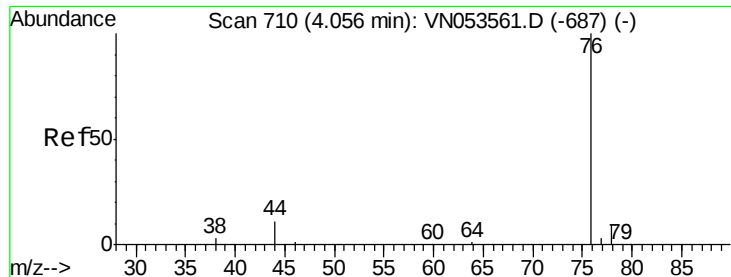
400

200

0

Time-->

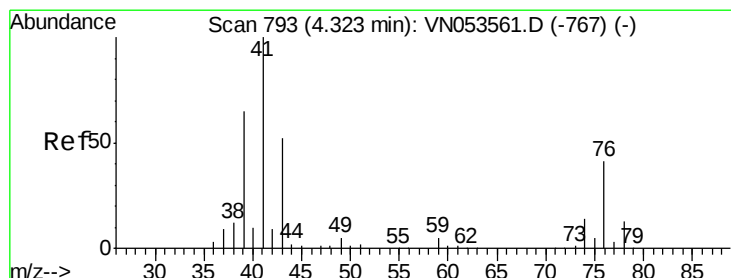
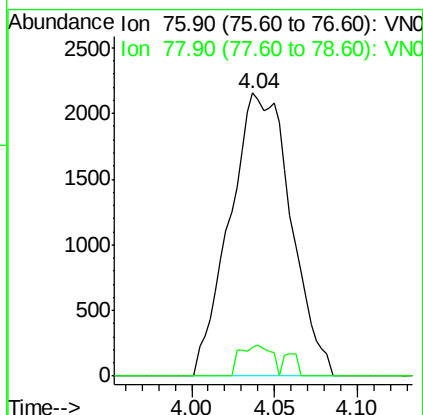
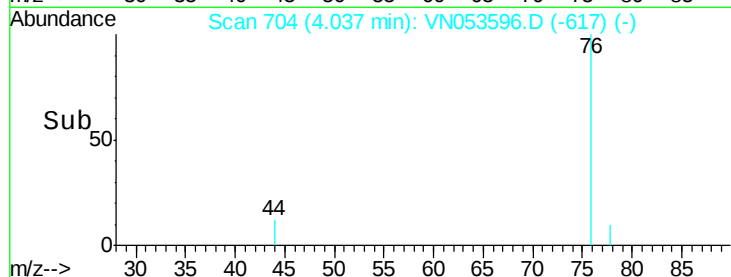
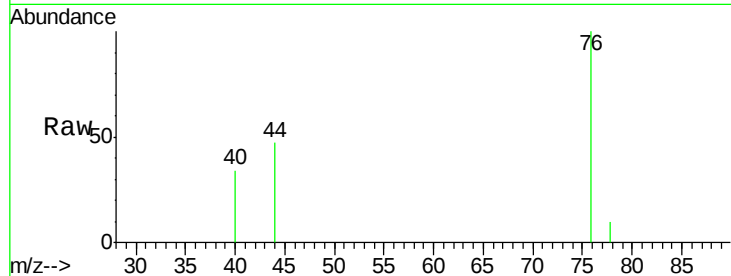




#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.02 min
Lab File: VN053596.D
Acq: 4 Feb 2019 15:03

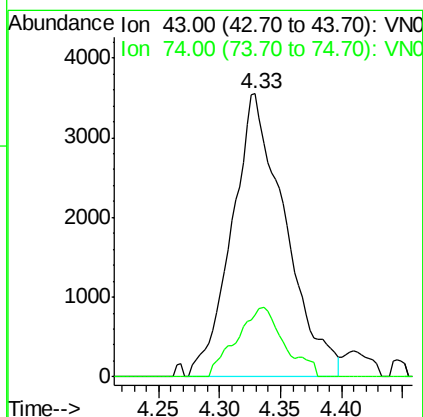
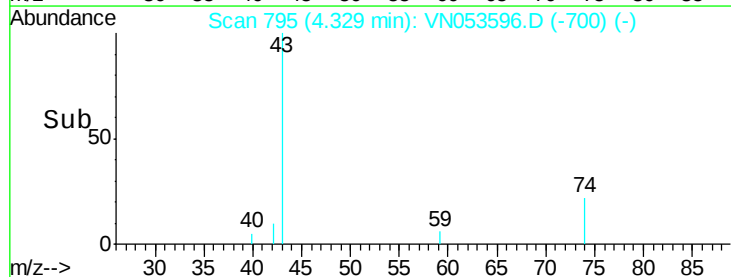
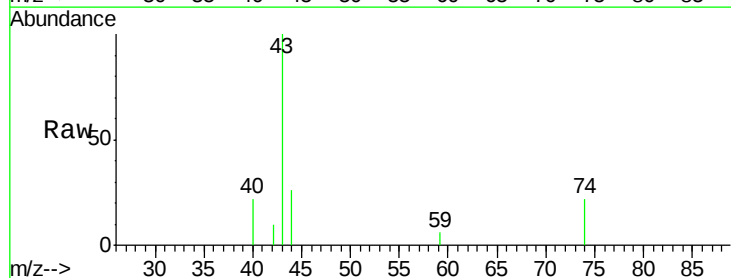
Instrument :
MSVOA_N
ClientSampleId :
0039-AMND-COMP-2

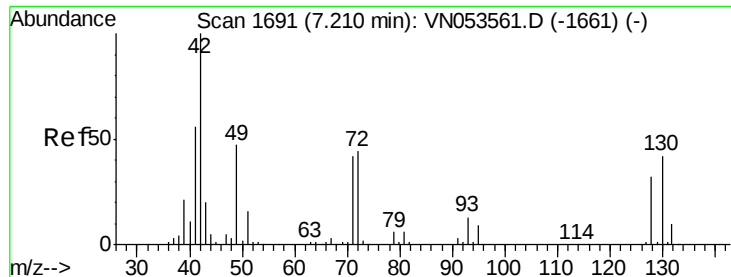
Tot Ion: 76 Resp: 5511
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#18
Methyl Acetate
Concen: 1.783 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053596.D
Acq: 4 Feb 2019 15:03

Tgt Ion: 43 Resp: 10772
Ion Ratio Lower Upper
43 100
74 22.0 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.324 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

0039-AMND-COMP-2

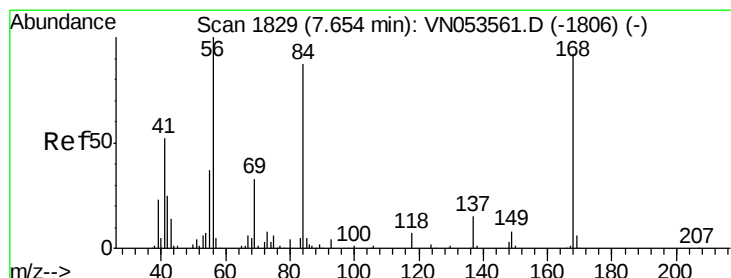
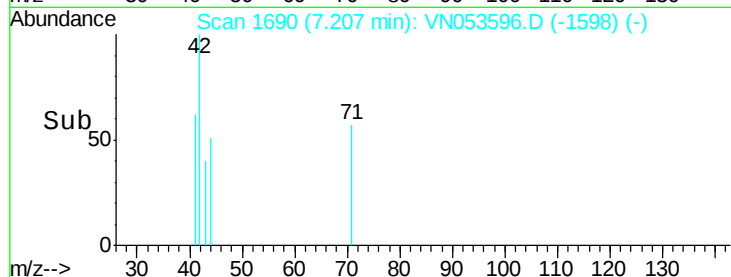
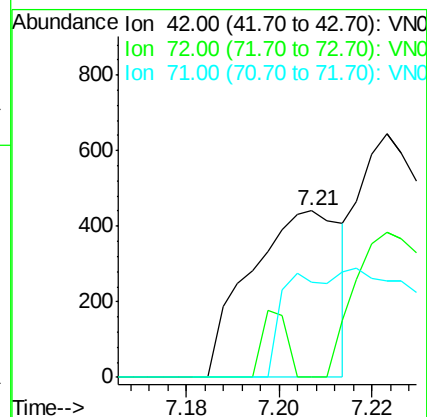
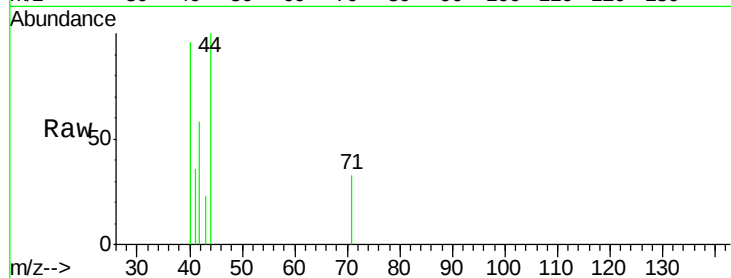
Tot Ion: 42 Resp: 605

Ion Ratio Lower Upper

42 100

72 10.9 35.2 52.8#

71 32.1 33.0 49.4#



#31

Cyclohexane

Concen: 0.679 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

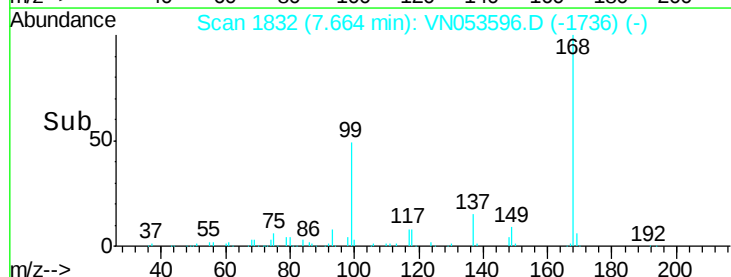
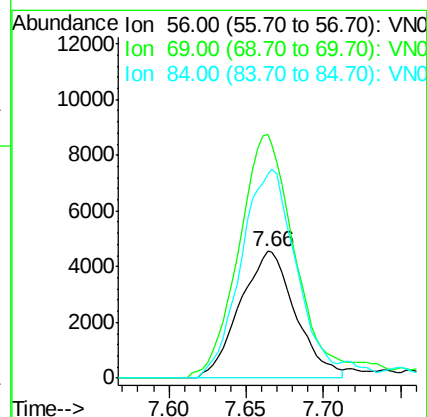
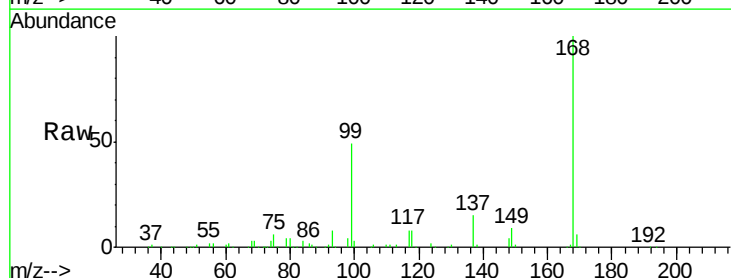
Tgt Ion: 56 Resp: 11375

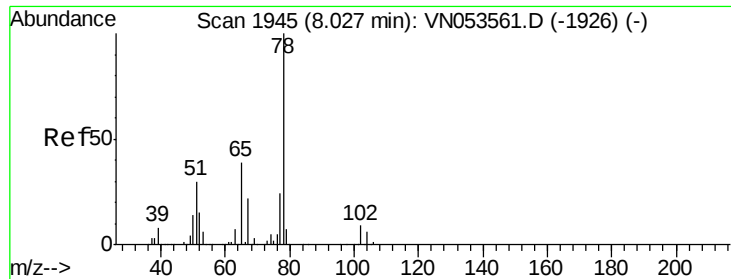
Ion Ratio Lower Upper

56 100

69 188.1 26.4 39.6#

84 160.7 67.9 101.9#

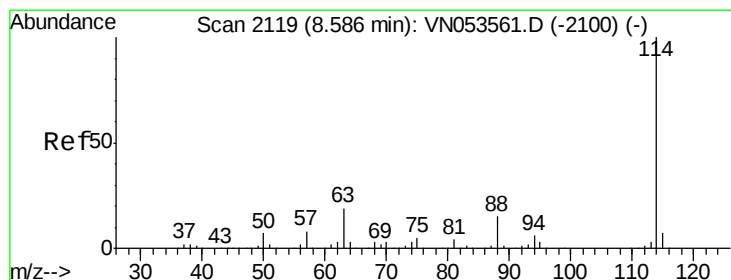
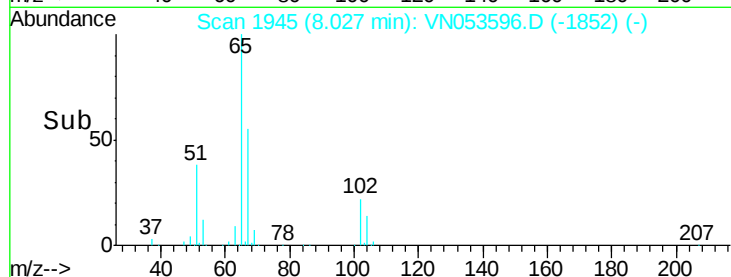
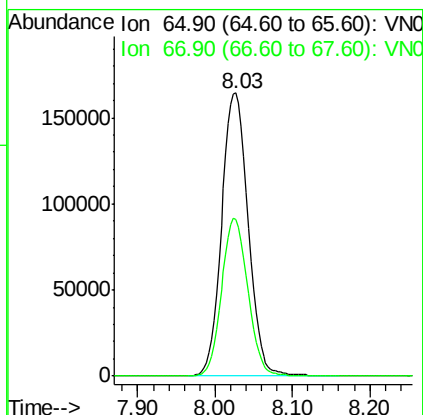
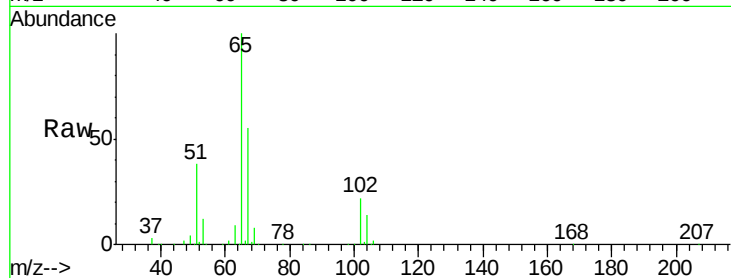




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053596.D
 Acq: 4 Feb 2019 15:03

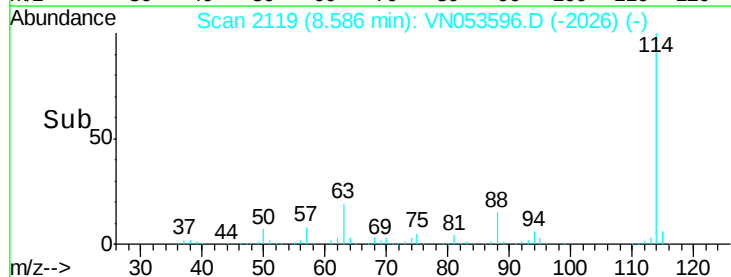
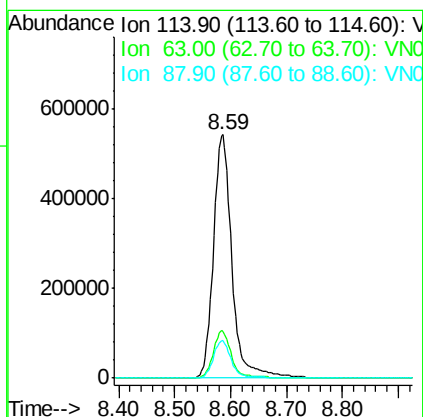
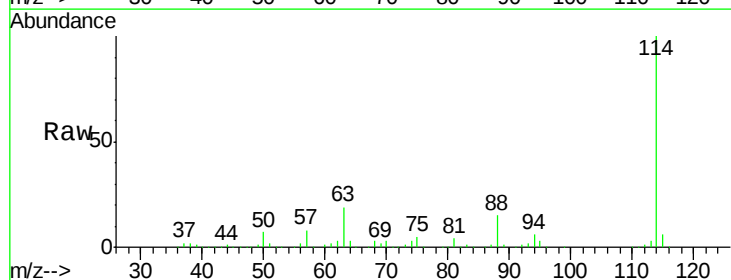
Instrument :
 MSVOA_N
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 0039-AMND-COMP-2

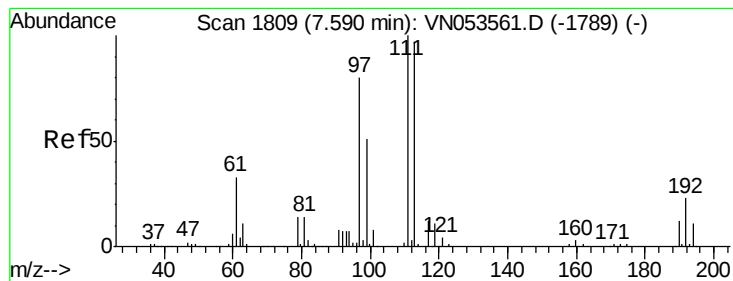
Tot Ion: 65 Resp: 392291
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053596.D
 Acq: 4 Feb 2019 15:03

Tgt Ion: 114 Resp: 1252749
 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: VN053596.D

Acq: 4 Feb 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

0039-AMND-COMP-2

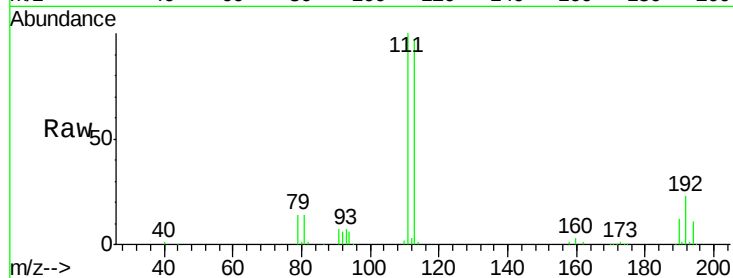
Tot Ion:113 Resp: 377565

Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

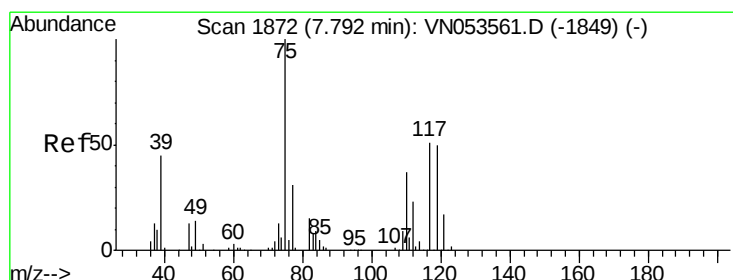
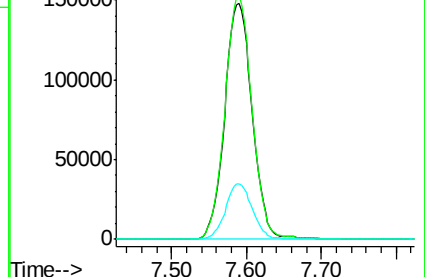
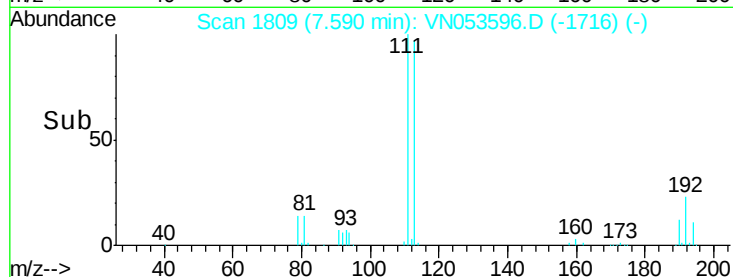
192 22.9 18.2 27.2



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: 4.115 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

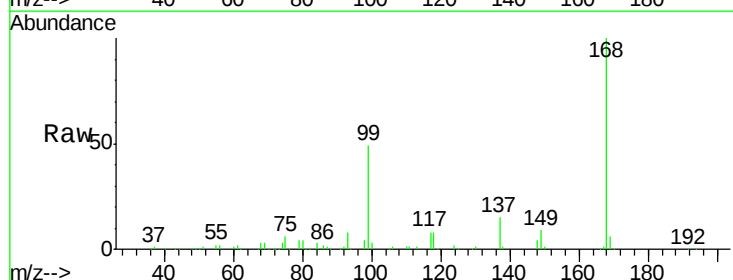
Tgt Ion: 75 Resp: 46467

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.3#

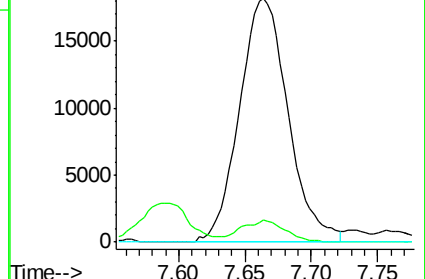
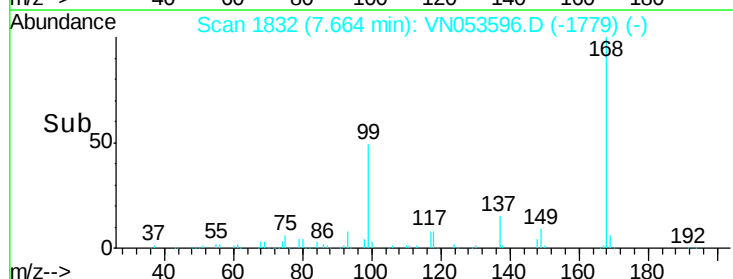
77 0.0 25.1 37.7#

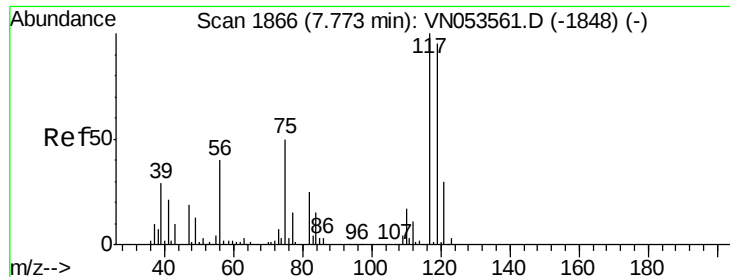


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

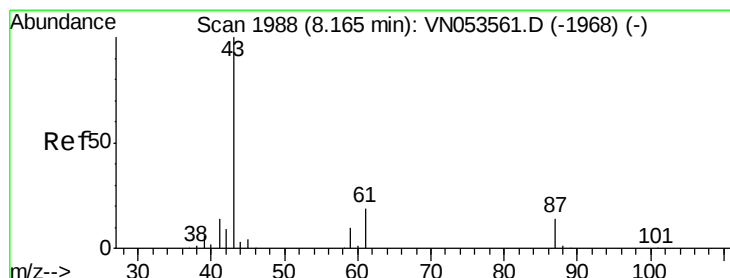
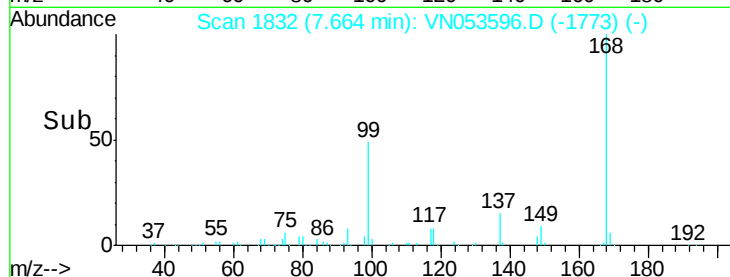
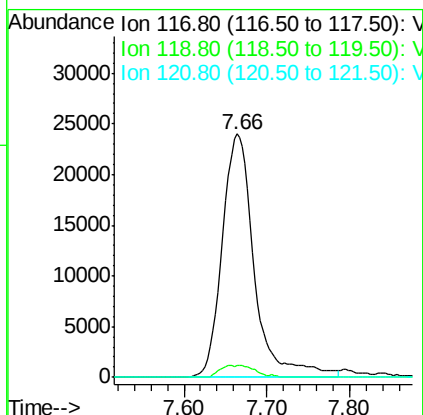
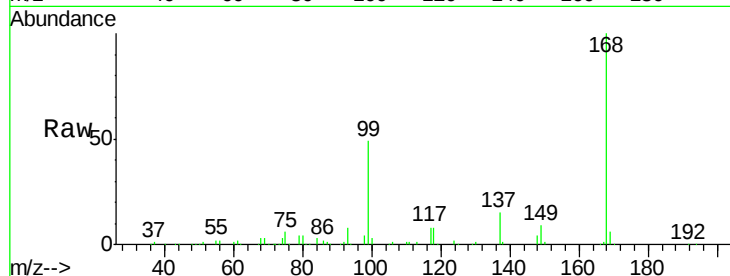




#38
Carbon Tetrachloride
Concen: 5.692 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053596.D
Acq: 4 Feb 2019 15:03

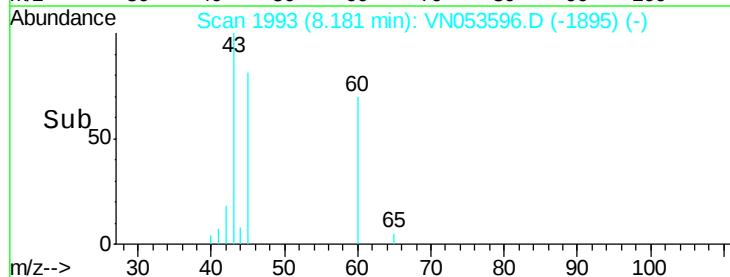
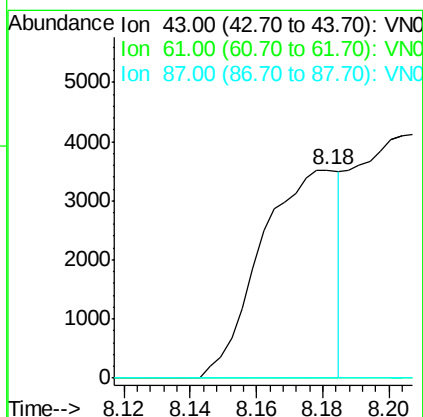
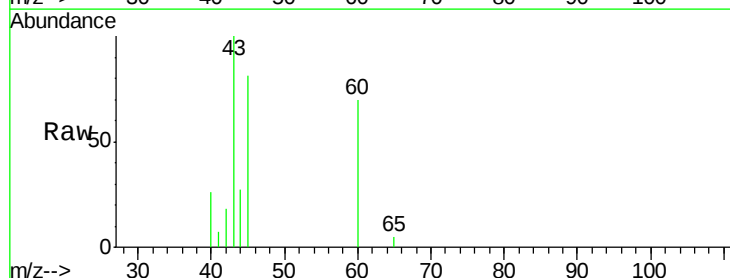
Instrument :
MSVOA_N
ClientSampleId :
0039-AMND-COMP-2

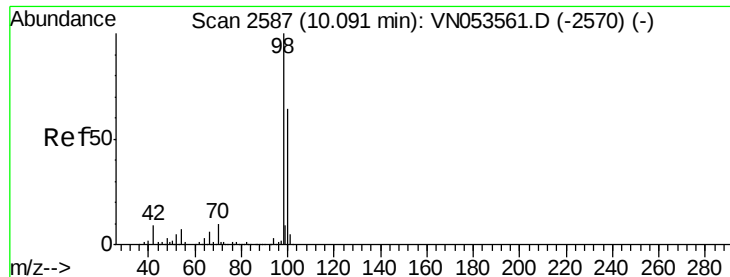
Tot Ion:117 Resp: 64756
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.469 ug/l
RT: 8.18 min Scan# 1993
Delta R.T. 0.02 min
Lab File: VN053596.D
Acq: 4 Feb 2019 15:03

Tgt Ion: 43 Resp: 5718
Ion Ratio Lower Upper
43 100
61 0.0 23.9 35.9#
87 0.0 11.0 16.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

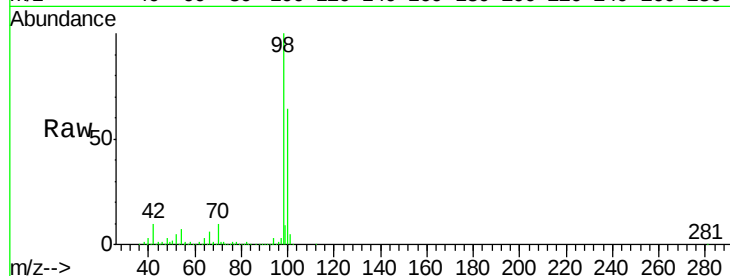
0039-AMND-COMP-2

Tot Ion: 98 Resp: 1516308

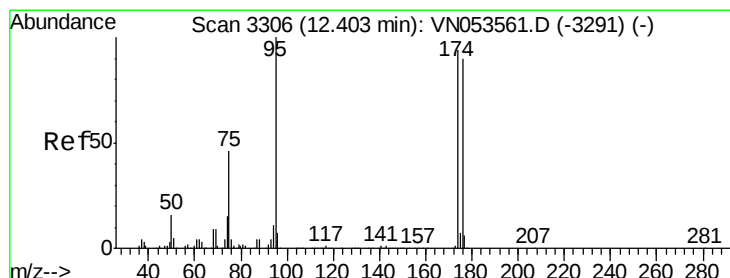
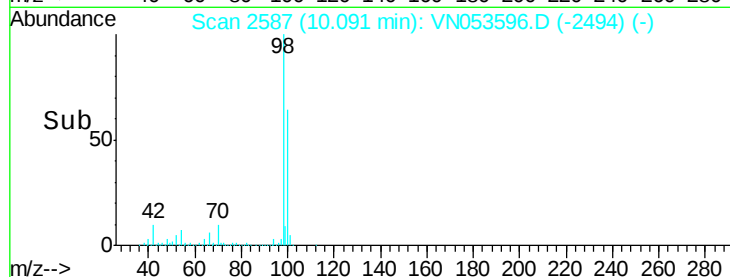
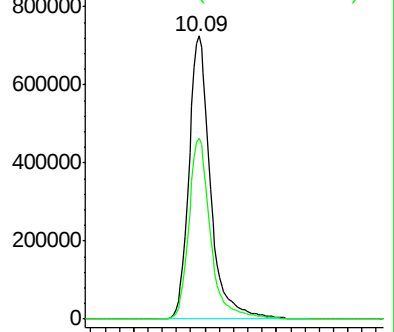
Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053596.D (-2494) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

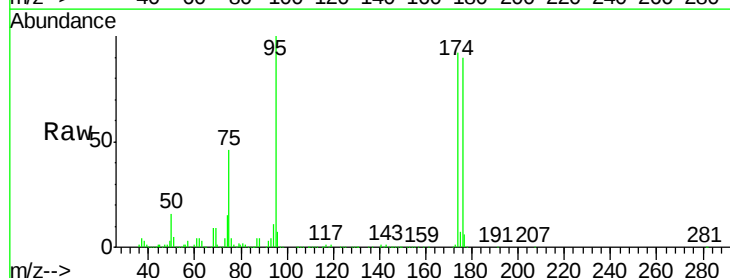
Tgt Ion: 95 Resp: 520377

Ion Ratio Lower Upper

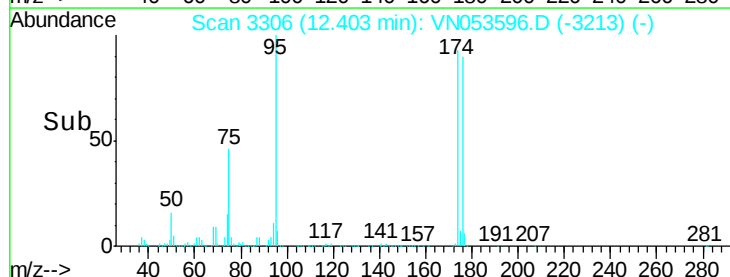
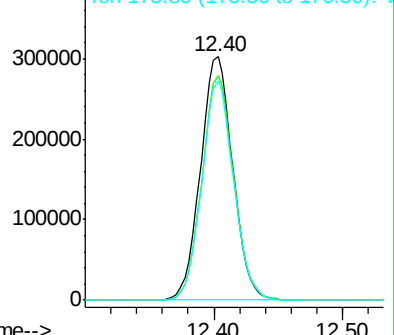
95 100

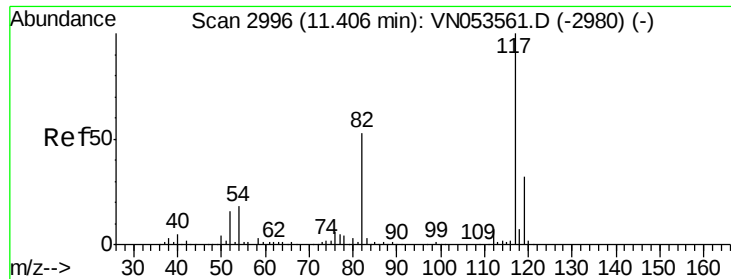
174 92.0 0.0 183.2

176 89.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053596.D (-3213) (-)

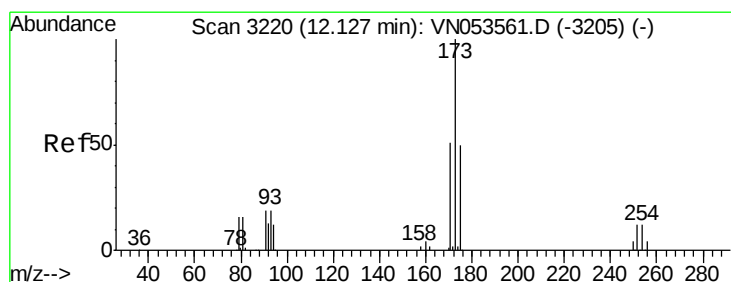
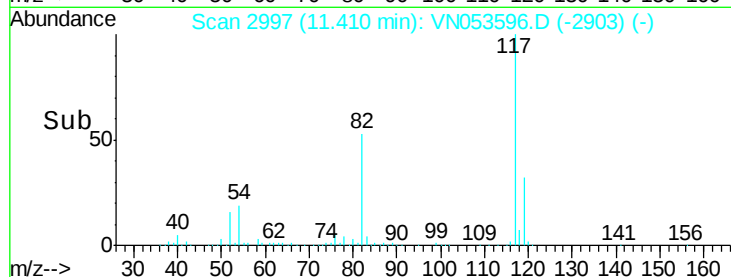
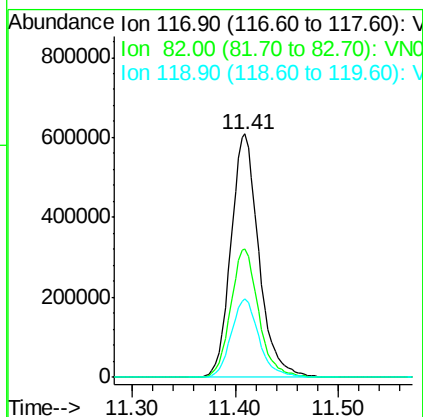
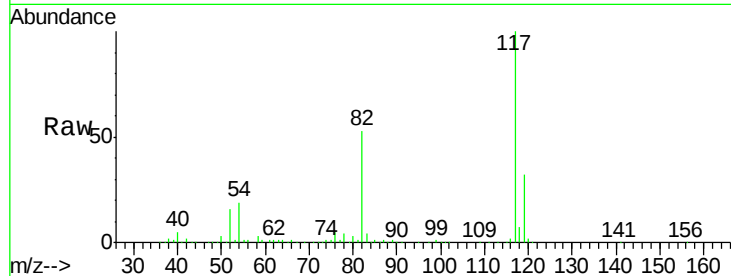




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053596.D
Acq: 4 Feb 2019 15:03

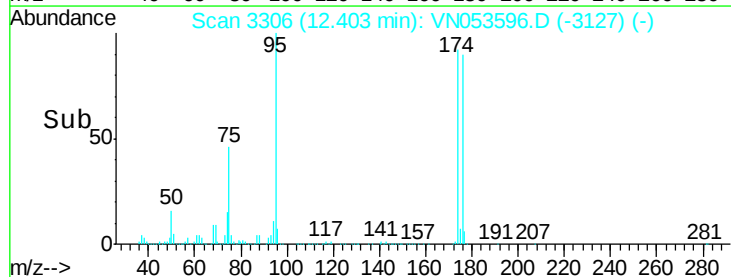
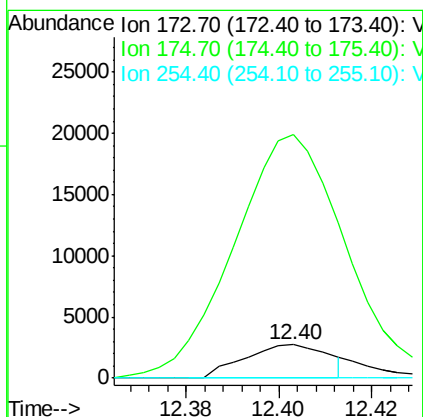
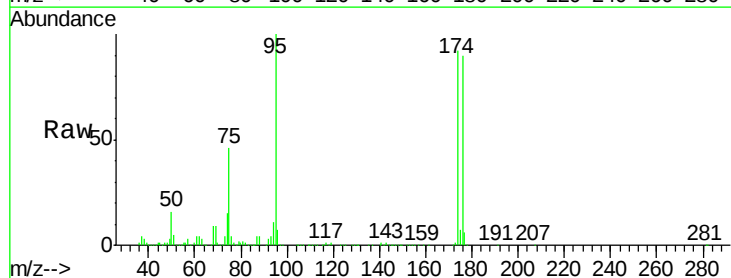
Instrument :
MSVOA_N
ClientSampleId :
0039-AMND-COMP-2

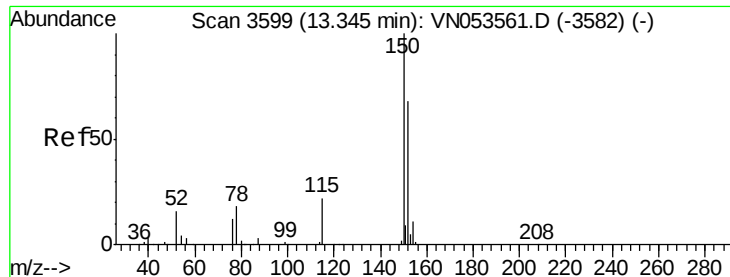
Tot Ion:117 Resp: 1147273
Ion Ratio Lower Upper
117 100
82 53.0 42.9 64.3
119 32.1 26.0 39.0



#71
Bromoform
Concen: 0.593 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053596.D
Acq: 4 Feb 2019 15:03

Tgt Ion:173 Resp: 3458
Ion Ratio Lower Upper
173 100
175 822.0 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

0039-AMND-COMP-2

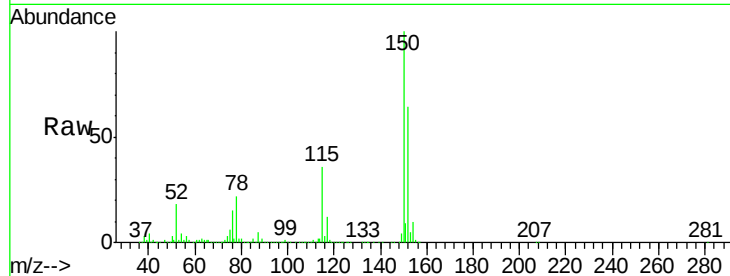
Tot Ion:152 Resp: 523354

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.4

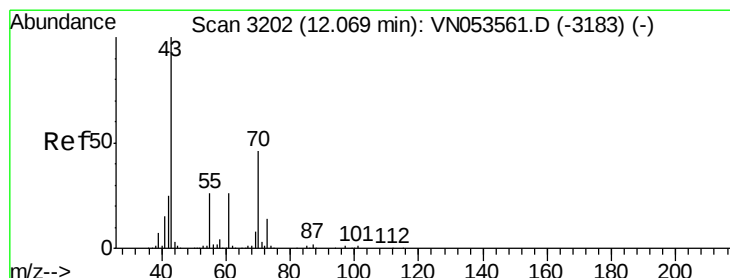
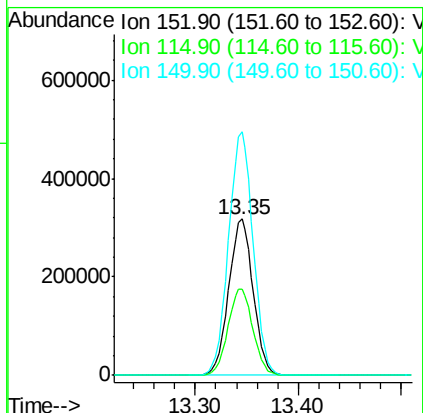
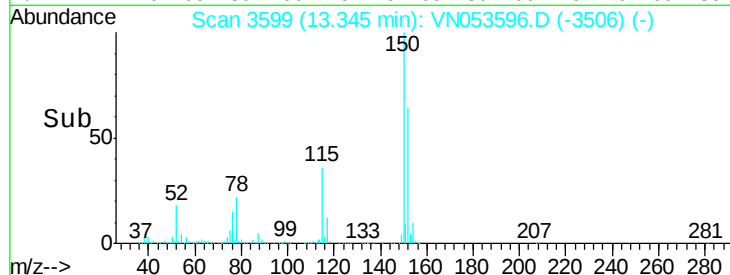
150 156.8 0.0 349.0



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



#74

N-ethyl acetate

Concen: 0.528 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

Tgt Ion: 43 Resp: 4674

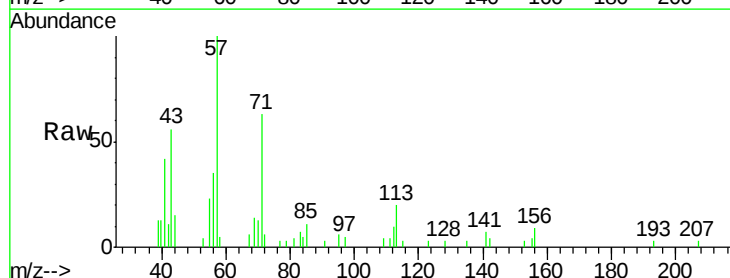
Ion Ratio Lower Upper

43 100

70 26.3 35.4 53.2#

55 20.0 20.9 31.3#

61 0.0 20.5 30.7#

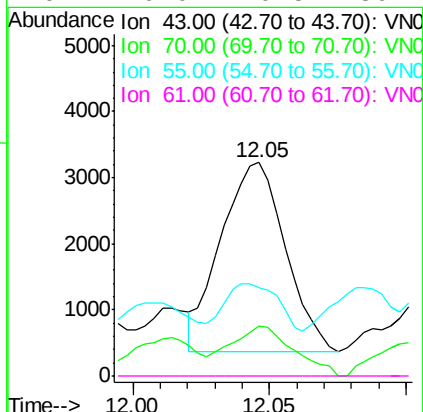
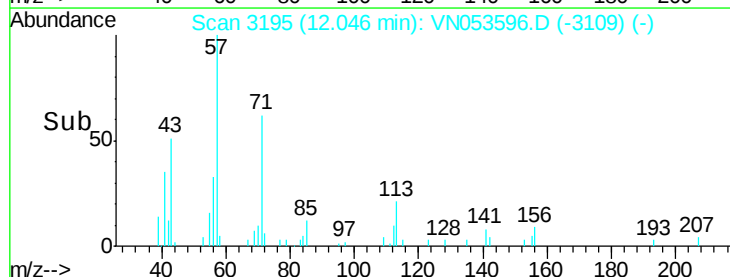


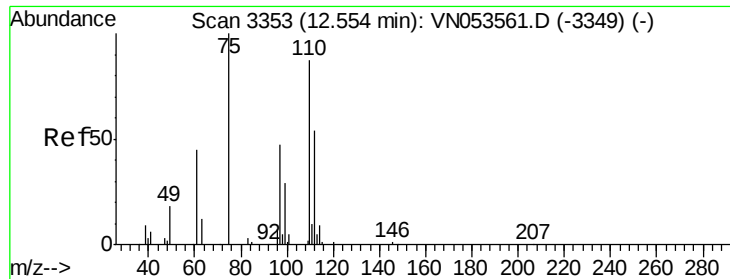
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 36.292 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

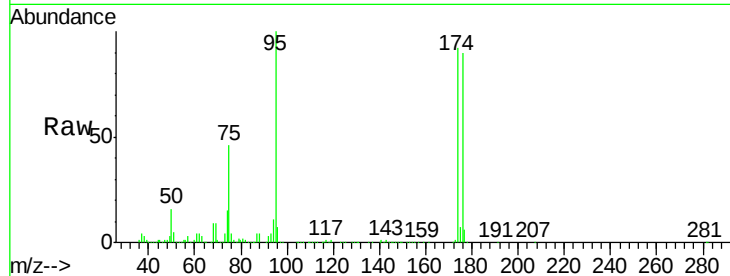
0039-AMND-COMP-2

Tot Ion: 75 Resp: 243963

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

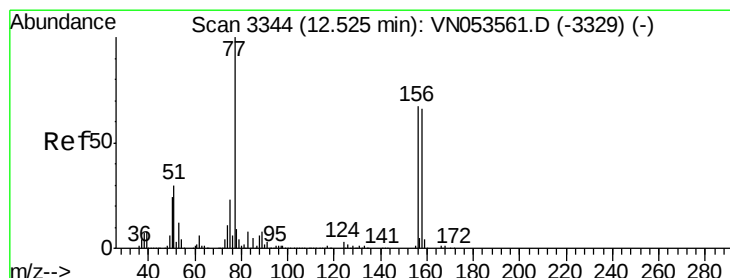
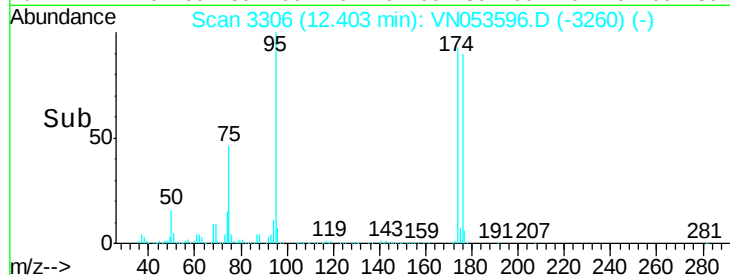
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: 1.314 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.04 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

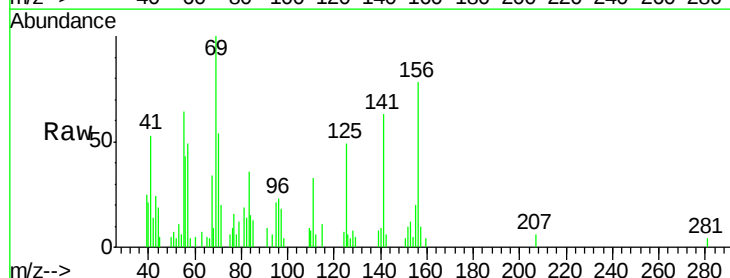
Tgt Ion: 156 Resp: 13030

Ion Ratio Lower Upper

156 100

77 1.9 87.9 263.8#

158 0.0 48.8 146.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

12.57

4000

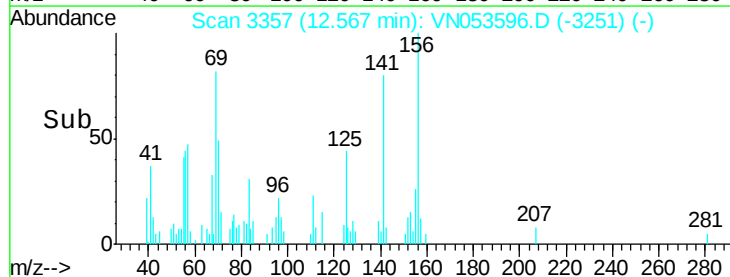
3000

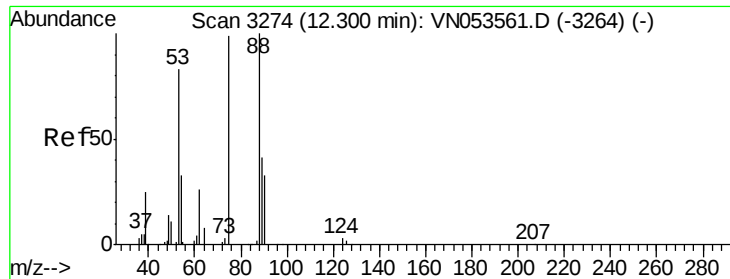
2000

1000

0

Time--> 12.40 12.50 12.60

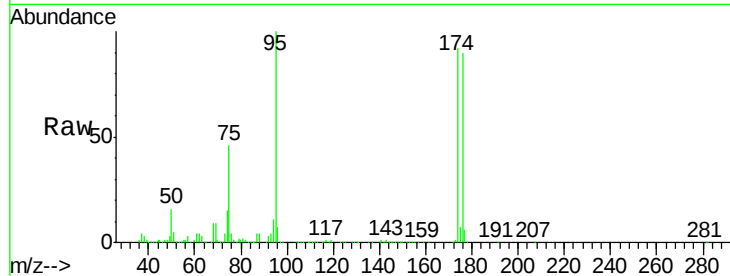




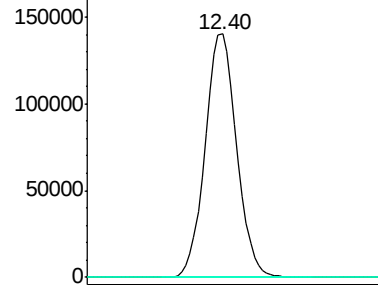
#81
trans-1,4-Dichloro-2-butene
Concen: 102.051 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN053596.D
Acq: 4 Feb 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
0039-AMND-COMP-2

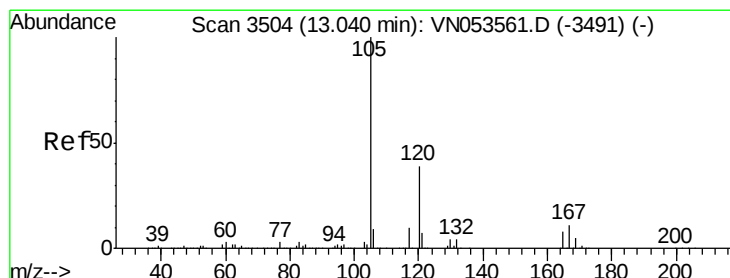
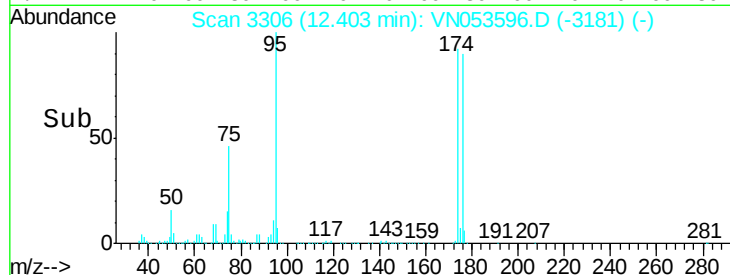
Tot Ion: 75 Resp: 243963
Ion Ratio Lower Upper
75 100
53 0.0 69.8 104.6#
89 0.0 35.6 53.4#



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

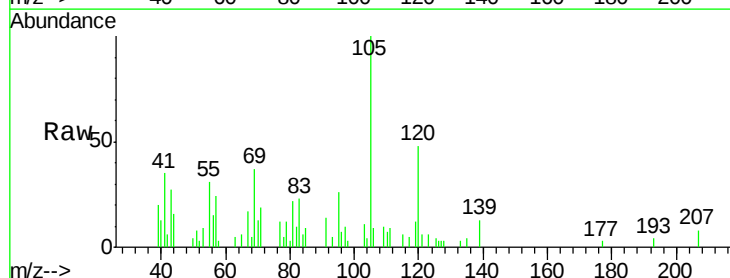


Time--> 12.30 12.40 12.50

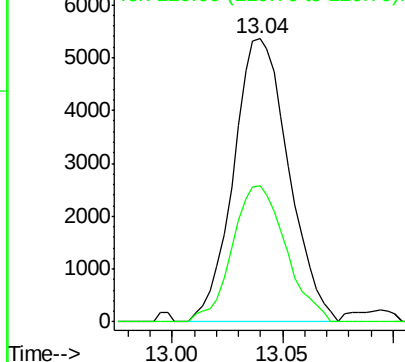


#84
1,2,4-Trimethylbenzene
Concen: 0.299 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053596.D
Acq: 4 Feb 2019 15:03

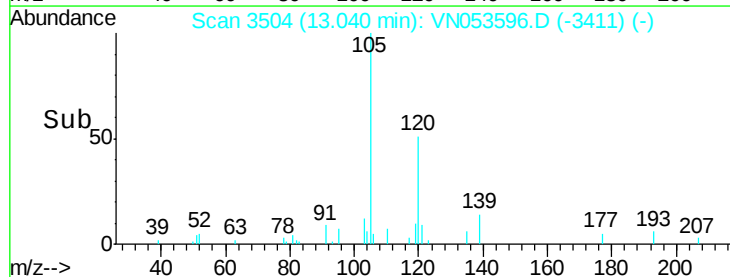
Tgt Ion:105 Resp: 9297
Ion Ratio Lower Upper
105 100
120 46.7 23.0 69.0

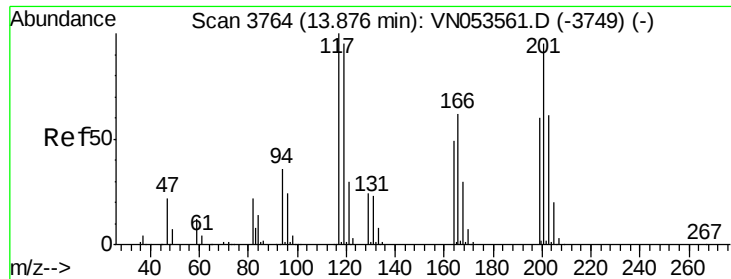


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time--> 13.00 13.05





#90

Hexachloroethane

Concen: 0.234 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

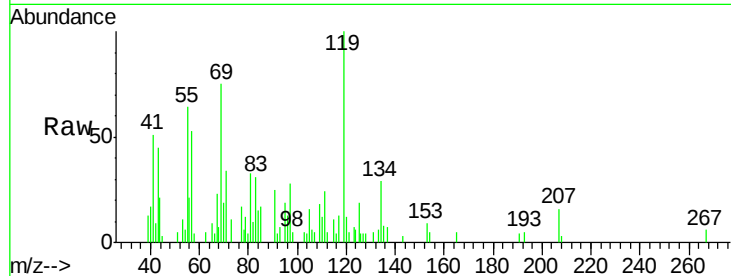
0039-AMND-COMP-2

Tot Ion:117 Resp: 1240

Ion Ratio Lower Upper

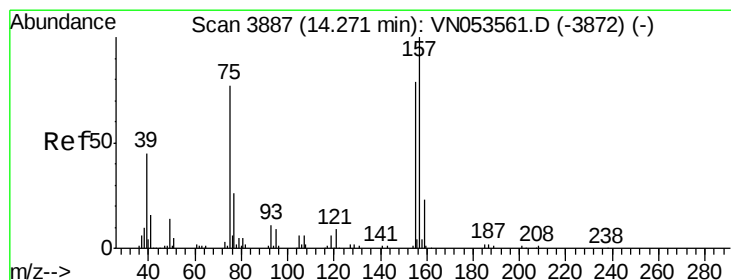
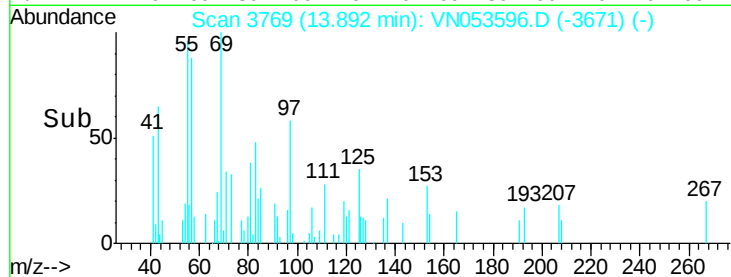
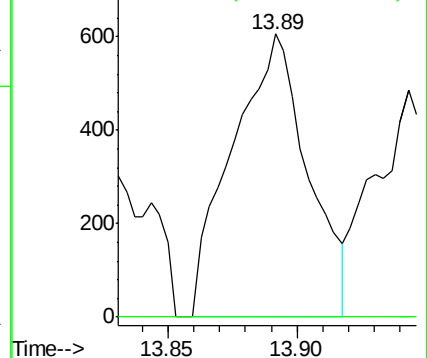
117 100

201 0.0 46.8 140.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.448 ug/l

RT: 14.52 min Scan# 3963

Delta R.T. 0.24 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

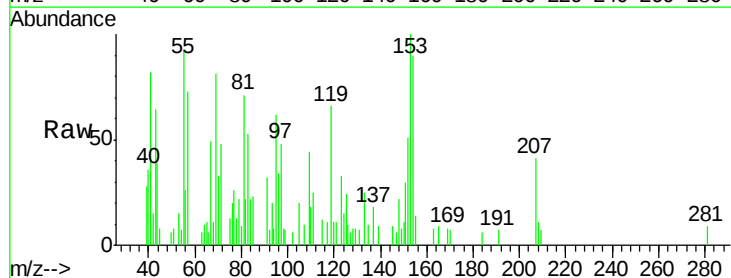
Tgt Ion: 75 Resp: 562

Ion Ratio Lower Upper

75 100

155 131.9 48.9 146.7

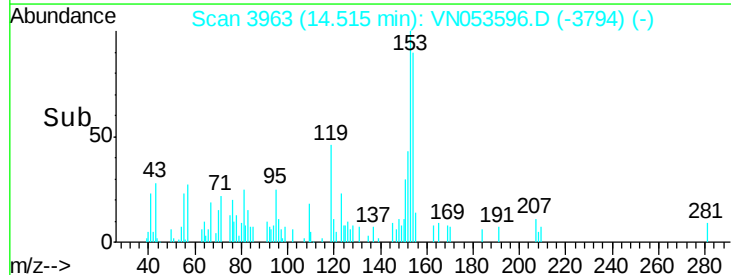
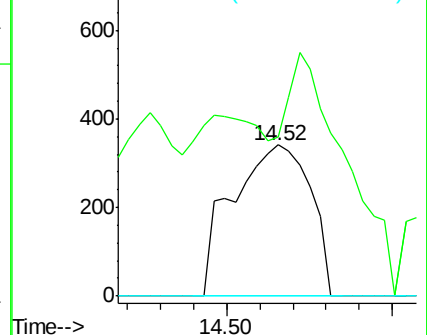
157 0.0 63.7 191.3#

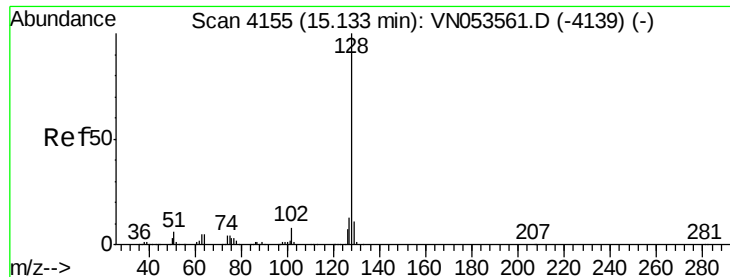


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 2.858 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053596.D

Acq: 4 Feb 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

0039-AMND-COMP-2

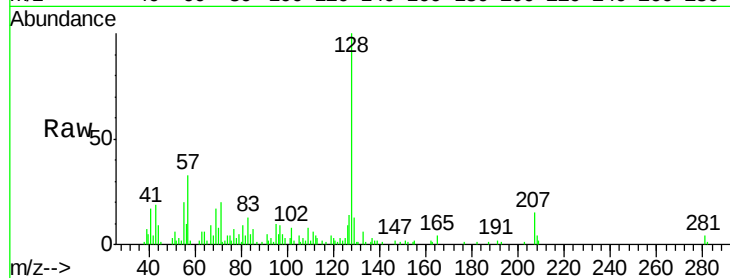
Tot Ion:128 Resp: 26719

Ion Ratio Lower Upper

128 100

127 15.8 10.3 15.5#

129 11.4 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

