

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054399.D
 Acq On : 18 Mar 2019 17:38
 Operator : JC/SP
 Sample : K1941-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:13:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1864474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2641467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2153838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	748205	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	881032	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	
35) Dibromofluoromethane	7.59	113	808971	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	10.09	98	3019034	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	12.40	95	863923	39.24	ug/l	0.00
Spiked Amount			Recovery	=	78.48%	

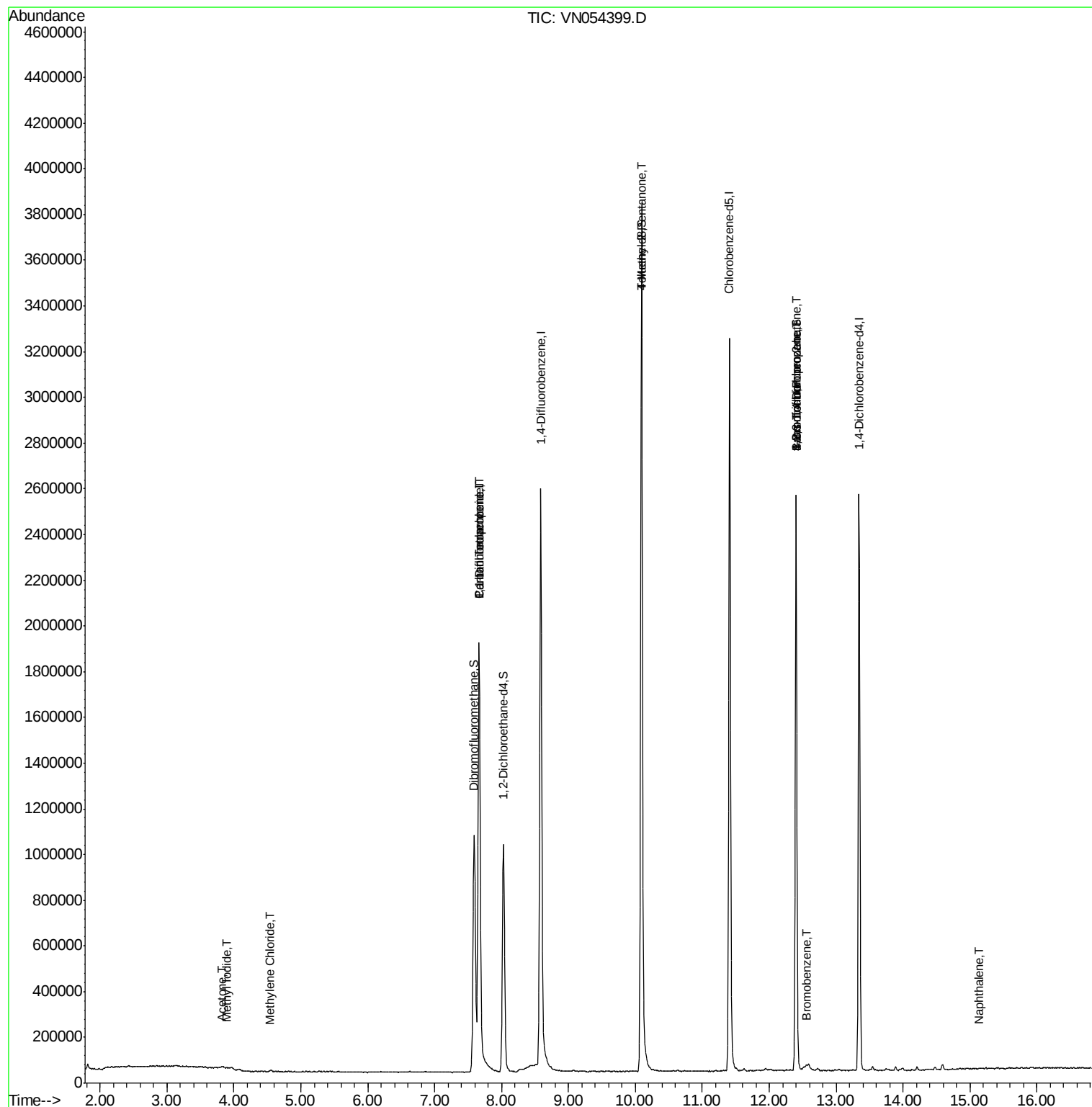
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.88	142	31	1.498	ug/l #	45
16) Acetone	3.82	43	6719	1.185	ug/l	90
20) Methylene Chloride	4.54	84	4108	0.221	ug/l	95
31) Cyclohexane	7.67	56	27505	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	107924	4.437	ug/l #	49
38) Carbon Tetrachloride	7.67	117	152233	5.968	ug/l #	16
51) 4-Methyl-2-Pentanone	10.09	43	10634	0.819	ug/l #	1
71) Bromoform	12.40	173	5345	2.740	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	411309	37.383	ug/l #	100
77) Bromobenzene	12.55	156	17663	1.115	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	411309	127.790	ug/l #	11
95) Naphthalene	15.14	128	2027	3.527	ug/l #	89

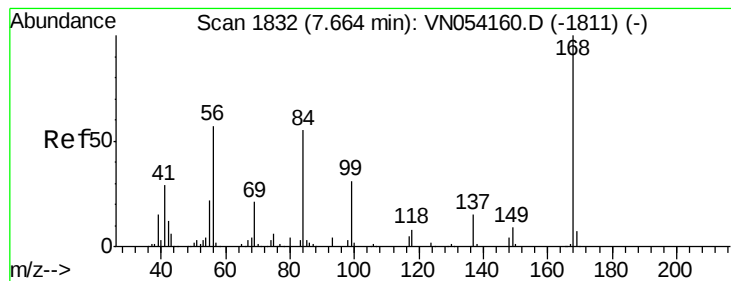
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 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: VN054399.D

Acq: 18 Mar 2019 17:38

Instrument :

MSVOA_N

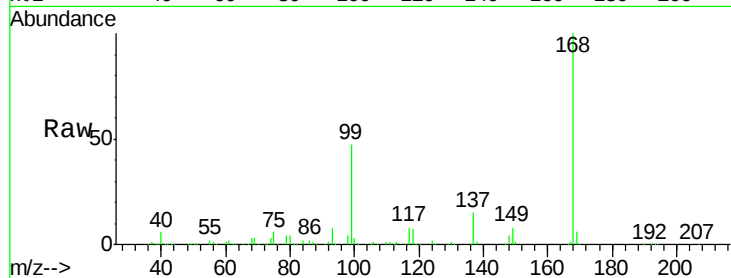
ClientSampled :

Tot Ion:168 Resp: 1864474

Ion Ratio Lower Upper

168 100

99 47.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

800000

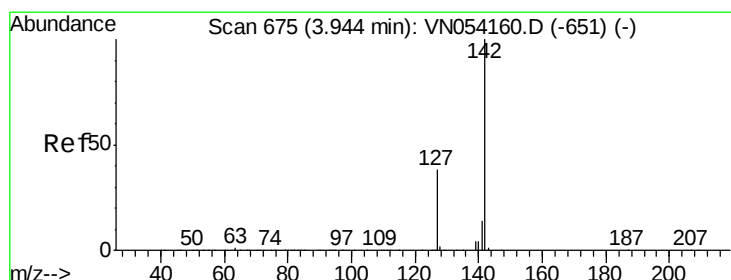
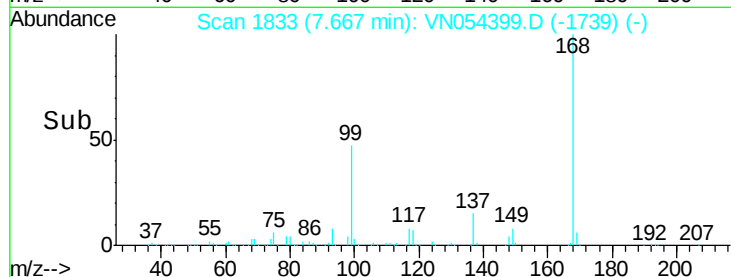
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.498 ug/l

RT: 3.88 min Scan# 656

Delta R.T. -0.06 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

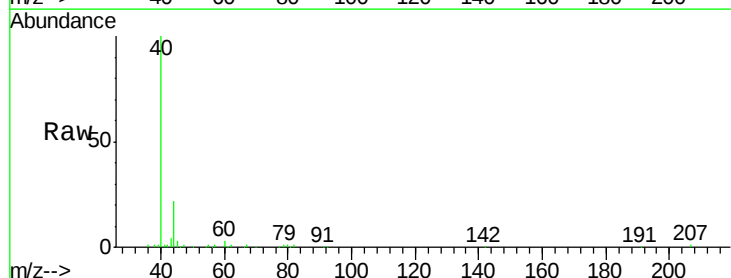
Tgt Ion:142 Resp: 31

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.88

200

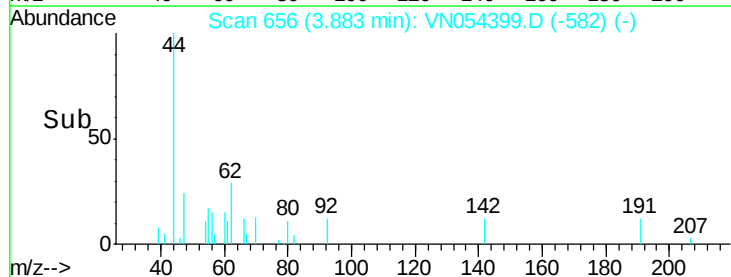
150

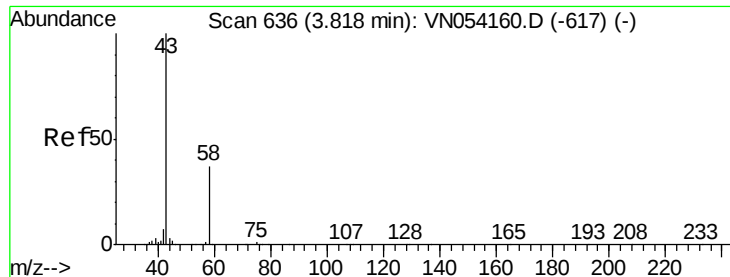
100

50

0

Time-->





#16

Acetone

Concen: 1.185 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

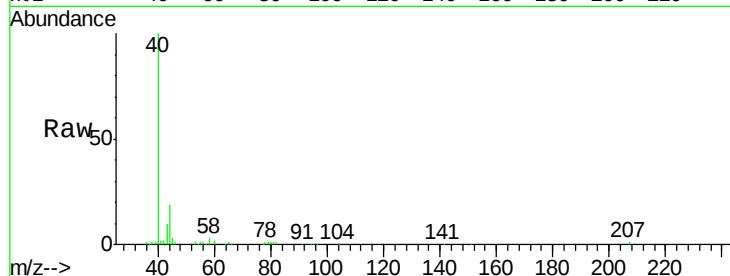
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 6719

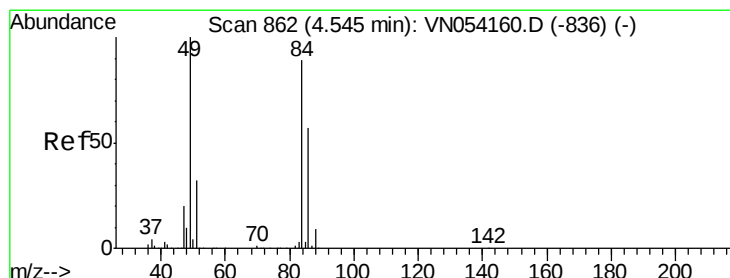
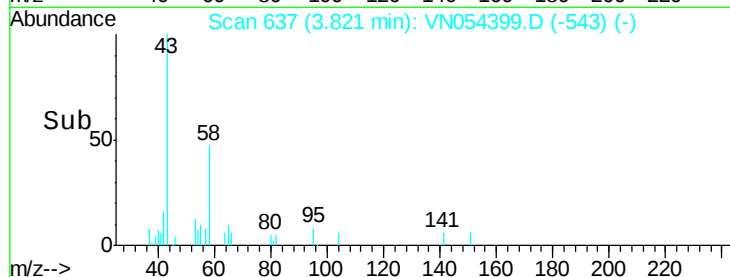
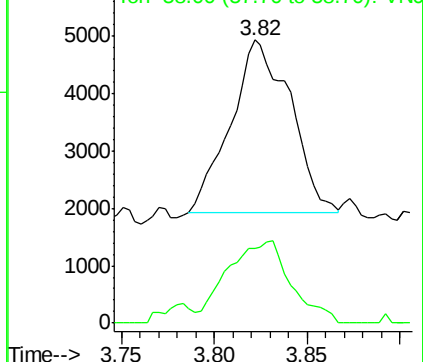
Ion Ratio Lower Upper

43 100

58 43.3 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 0.221 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

Tgt Ion: 84 Resp: 4108

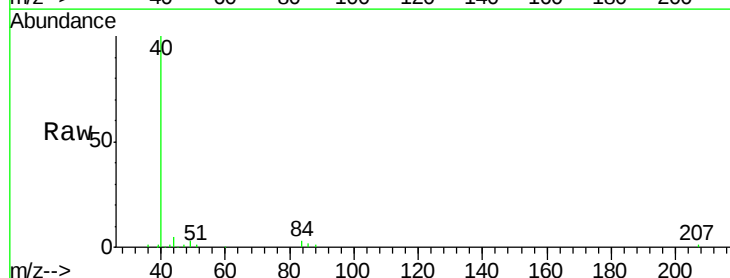
Ion Ratio Lower Upper

84 100

49 111.7 89.7 134.5

51 29.3 28.2 42.4

86 71.3 50.8 76.2

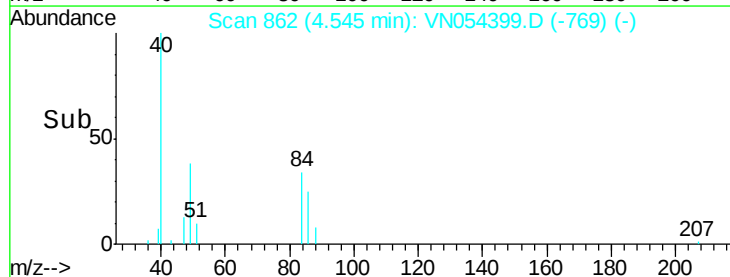
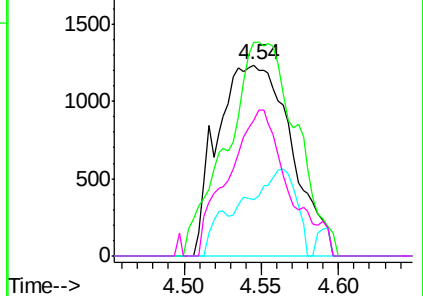


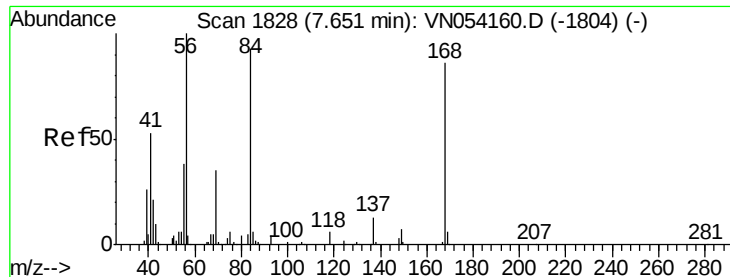
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

Instrument :
MSVOA_N
ClientSampled :

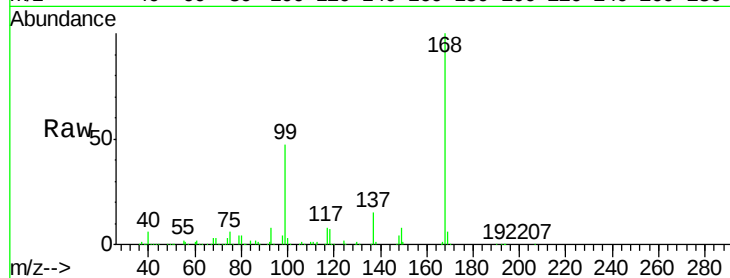
Tot Ion: 56 Resp: 27505

Ion Ratio Lower Upper

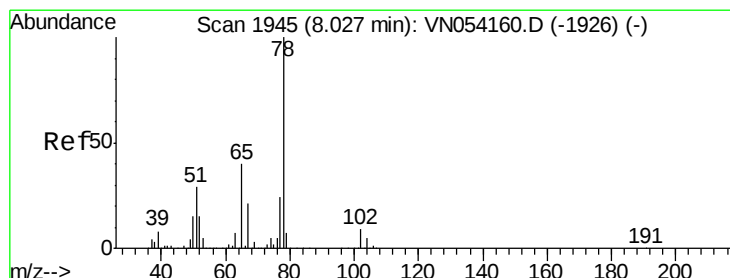
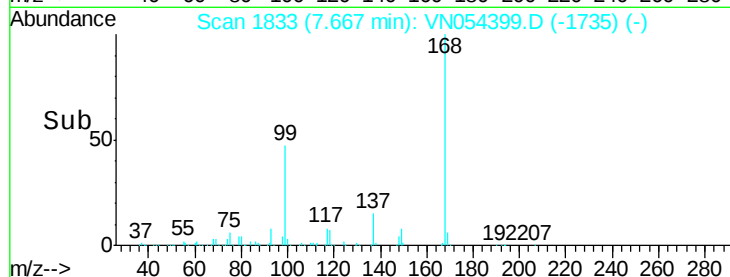
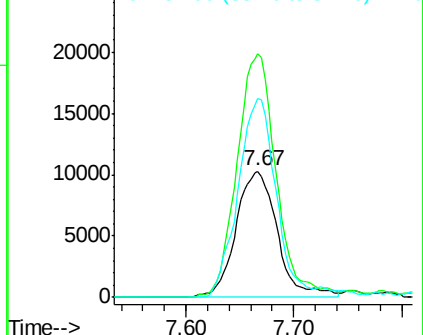
56 100

69 193.0 27.8 41.6#

84 157.3 74.6 111.8#



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: 44.495 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054399.D

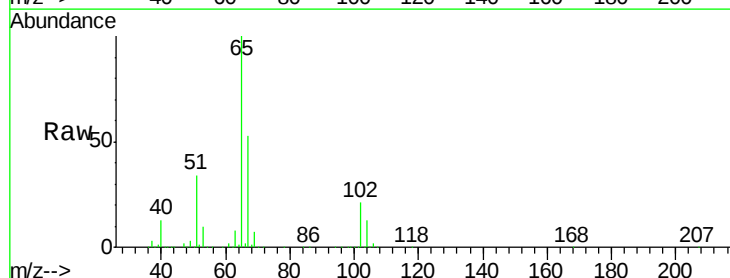
Acq: 18 Mar 2019 17:38

Tgt Ion: 65 Resp: 881032

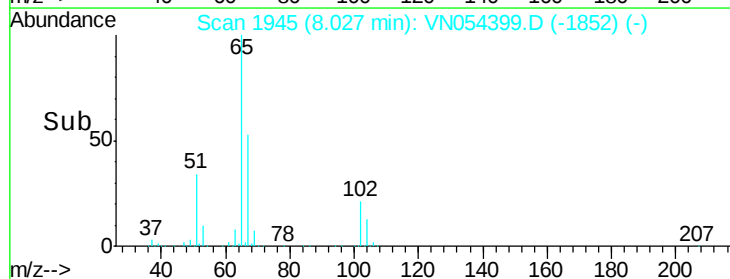
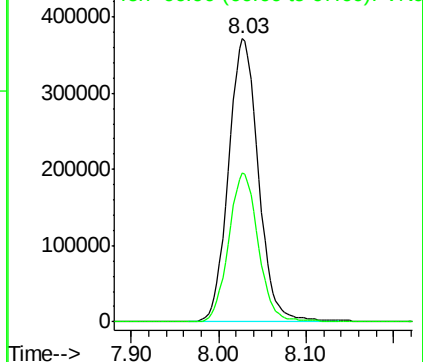
Ion Ratio Lower Upper

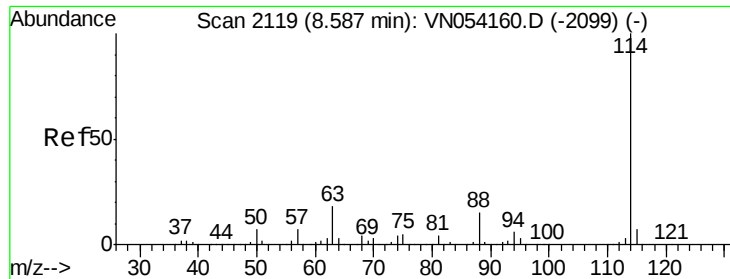
65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

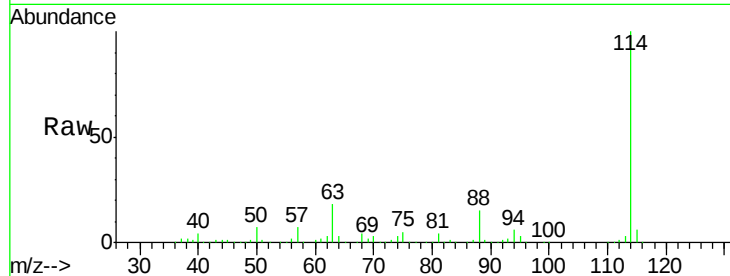




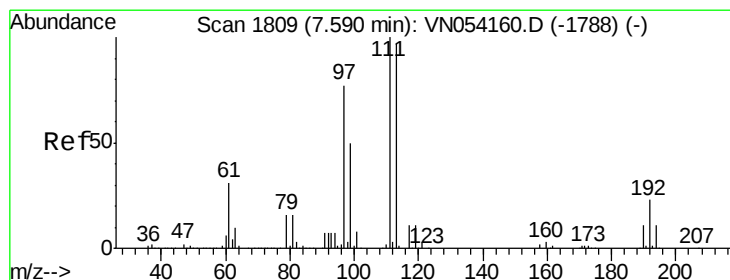
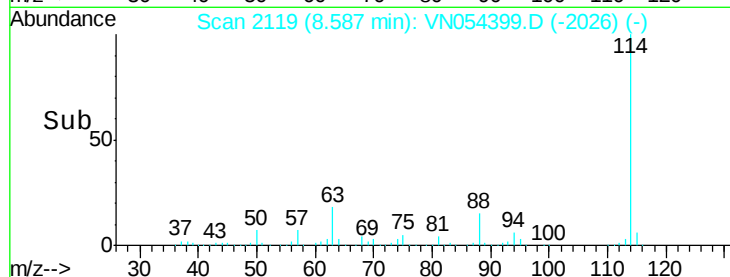
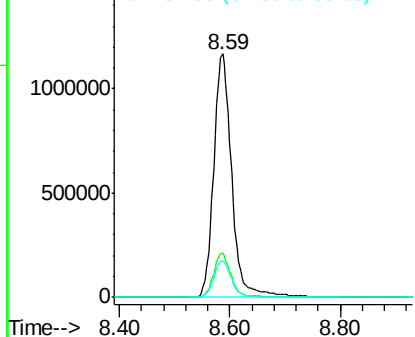
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054399.D
 Acq: 18 Mar 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2641467
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.9 0.0 30.2

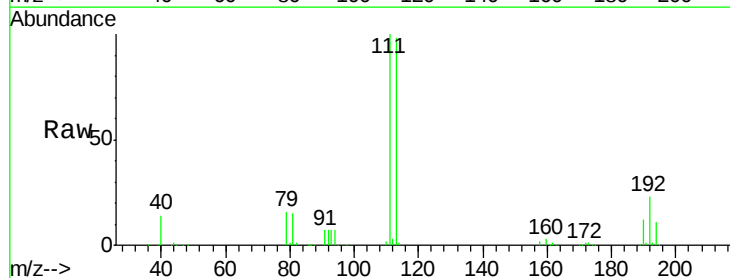


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

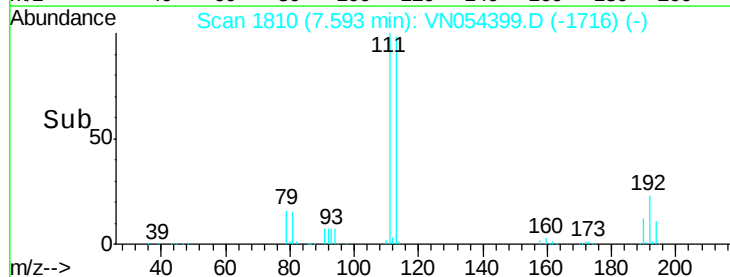
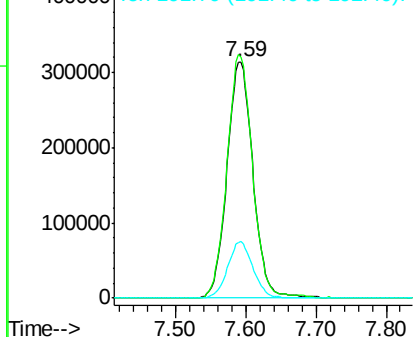


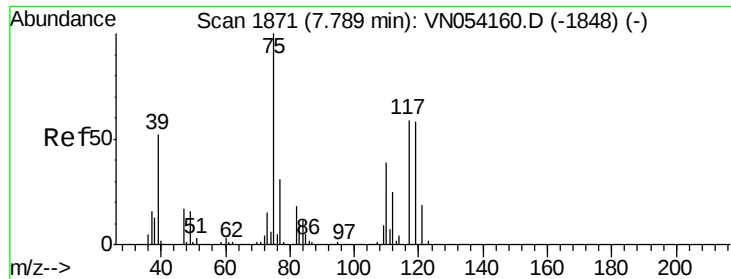
#35
 Dibromofluoromethane
 Concen: 47.485 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054399.D
 Acq: 18 Mar 2019 17:38

Tgt Ion:113 Resp: 808971
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 23.3 19.2 28.8



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: 4.437 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

Instrument :
MSVOA_N
ClientSampled :

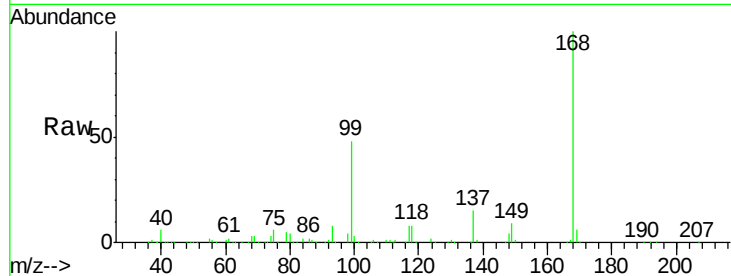
Tot Ion: 75 Resp: 107924

Ion Ratio Lower Upper

75 100

110 10.0 19.1 57.5#

77 0.0 25.0 37.4#

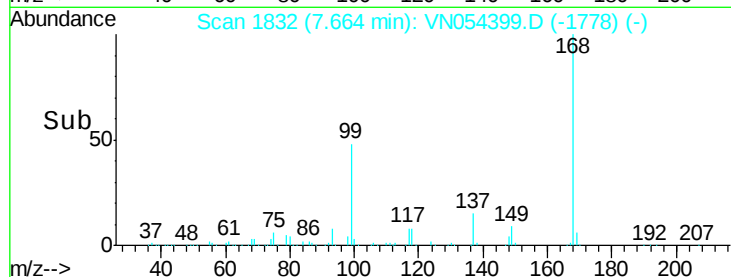


Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN054160.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN054160.D (-1848) (-)

Time-->

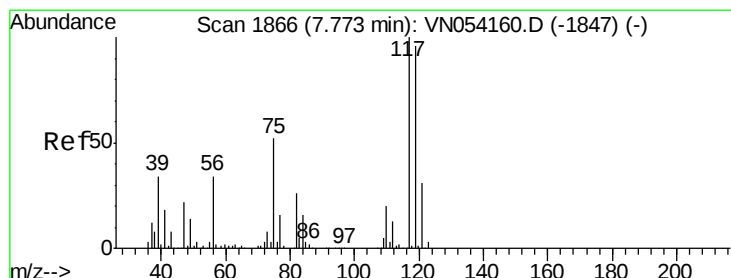


Abundance Ion 74.90 (74.60 to 75.60): VN054399.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054399.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054399.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.968 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

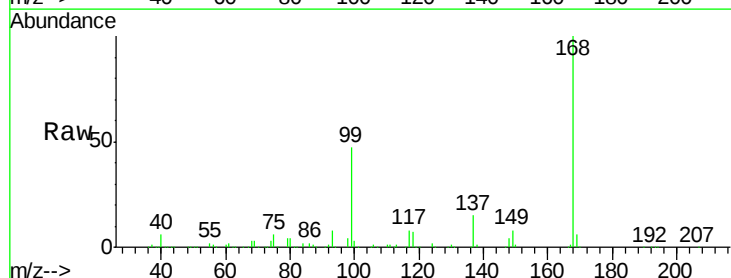
Tgt Ion: 117 Resp: 152233

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

121 0.0 24.6 36.8#

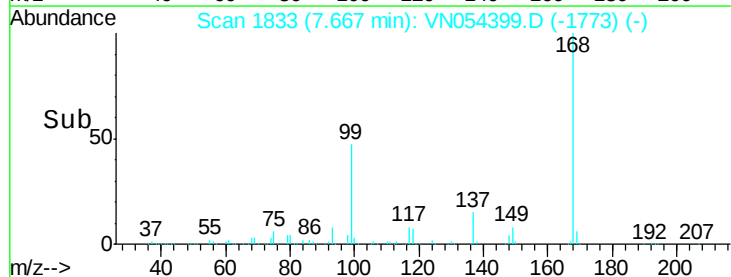


Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054160.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054160.D (-1847) (-)

Time-->

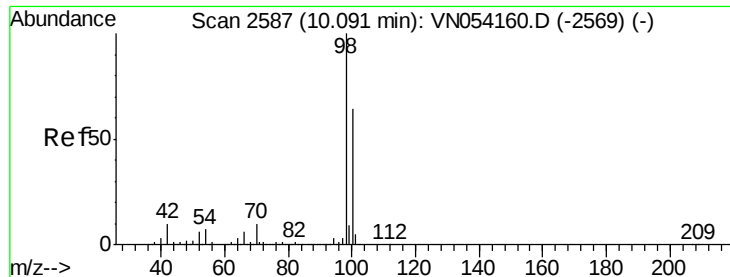


Abundance Ion 116.80 (116.50 to 117.50): VN054399.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054399.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054399.D (-1773) (-)

Time-->



#50

Toluene-d8

Concen: 47.984 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

Instrument :

MSVOA_N

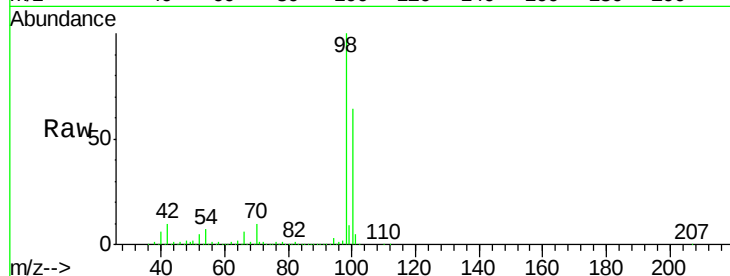
ClientSampleId :

Tot Ion: 98 Resp: 3019034

Ion Ratio Lower Upper

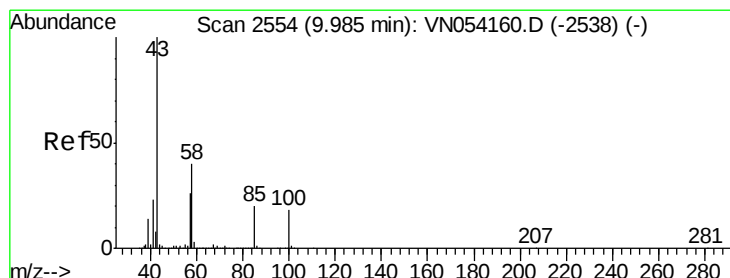
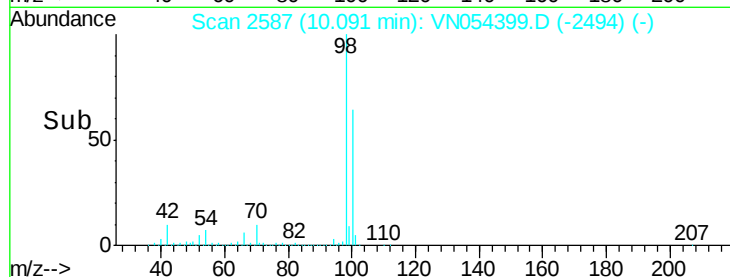
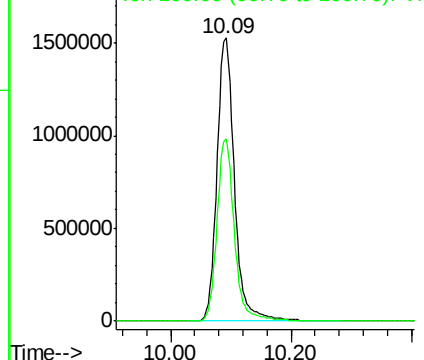
98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.819 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN054399.D

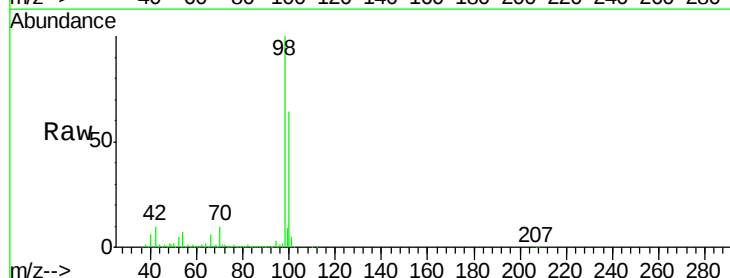
Acq: 18 Mar 2019 17:38

Tgt Ion: 43 Resp: 10634

Ion Ratio Lower Upper

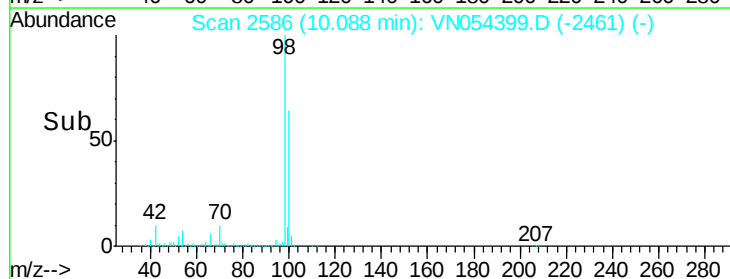
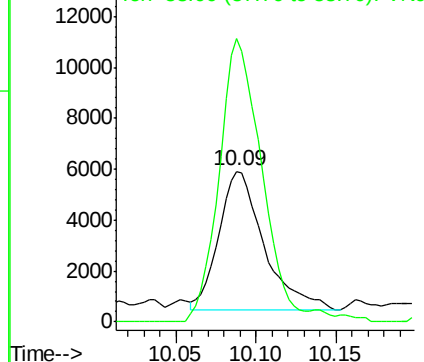
43 100

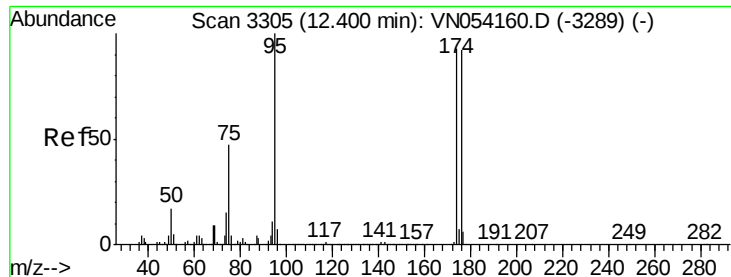
58 188.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)

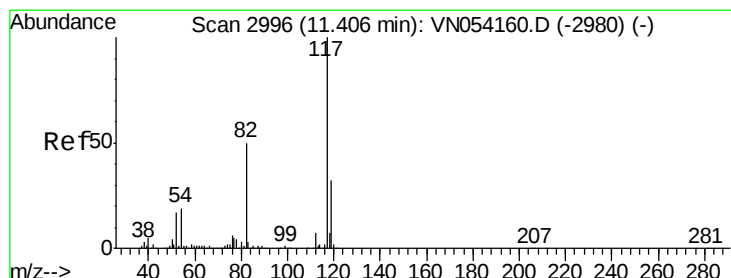
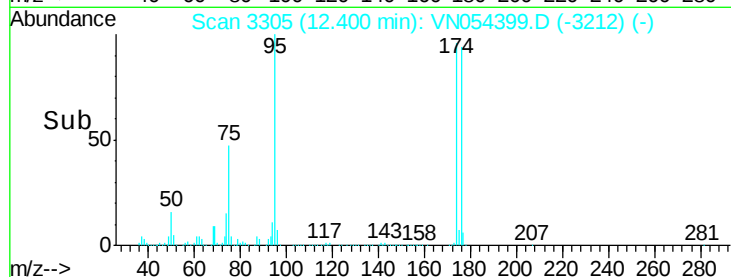
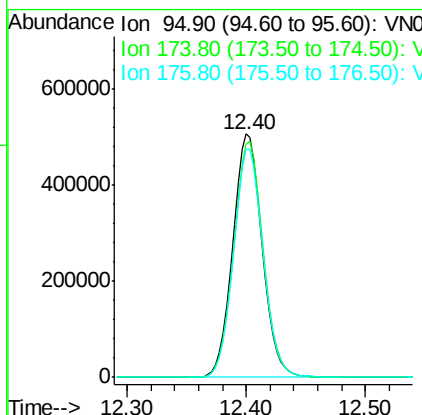
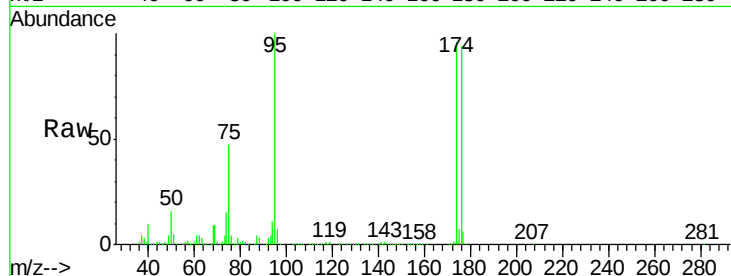




#62
4-Bromofluorobenzene
Concen: 39.242 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054399.D
Acq: 18 Mar 2019 17:38

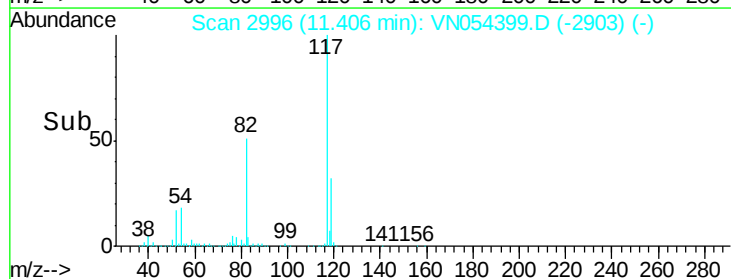
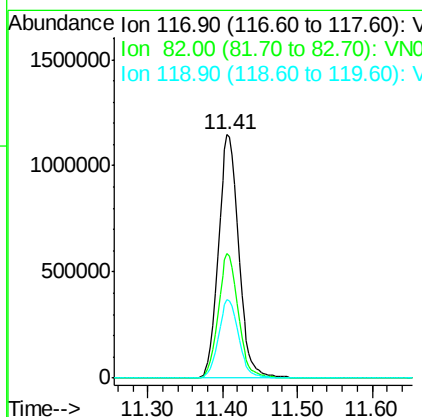
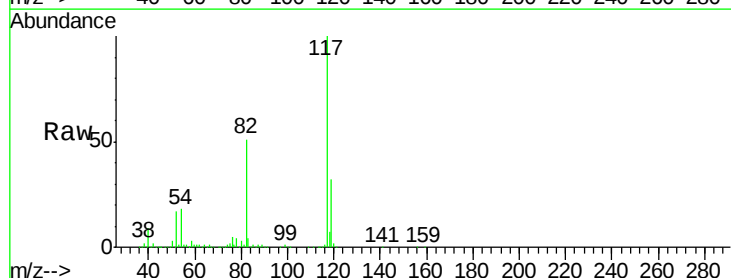
Instrument :
MSVOA_N
ClientSampleId :

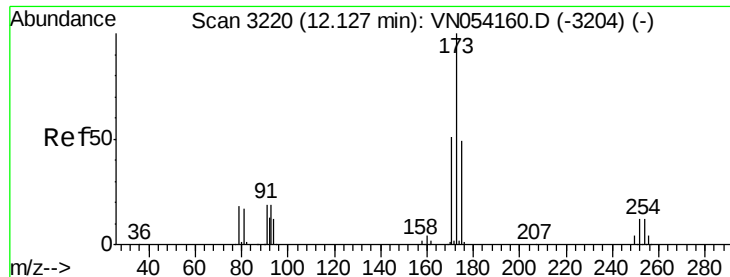
Tot Ion: 95 Resp: 863923
Ion Ratio Lower Upper
95 100
174 97.6 0.0 191.0
176 94.4 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054399.D
Acq: 18 Mar 2019 17:38

Tgt Ion: 117 Resp: 2153838
Ion Ratio Lower Upper
117 100
82 51.2 40.0 60.0
119 32.3 25.8 38.6





#71

Bromoform

Concen: 2.740 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

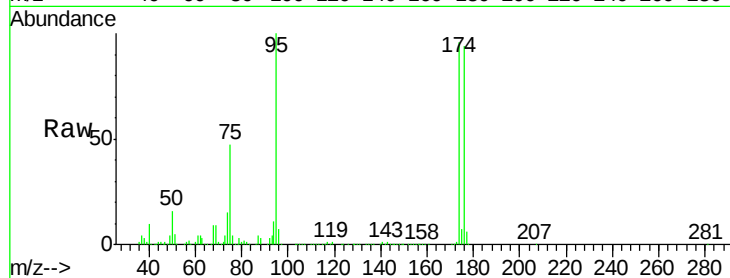
Tot Ion:173 Resp: 5345

Ion Ratio Lower Upper

173 100

175 981.2 24.4 73.2#

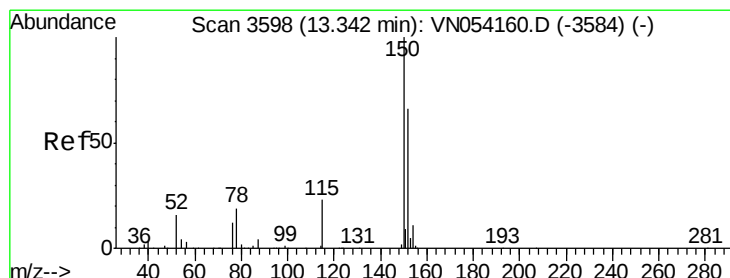
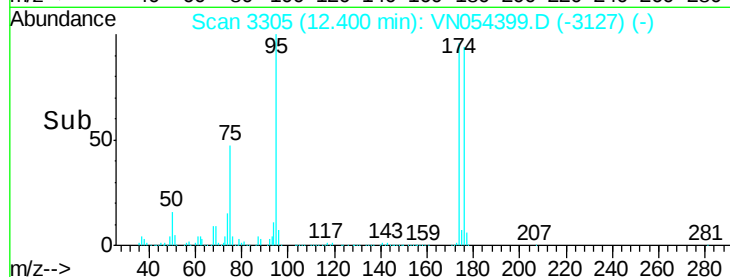
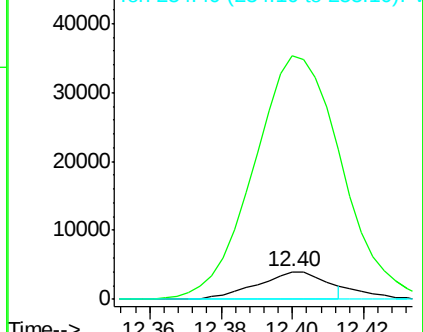
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

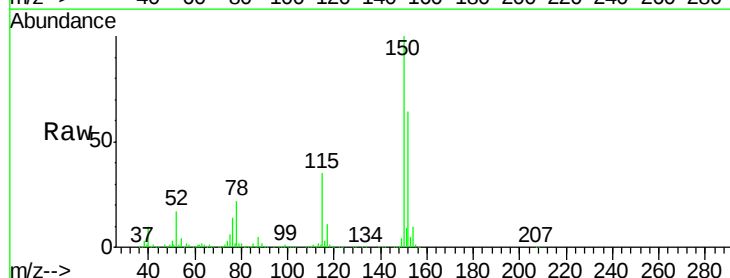
Tgt Ion:152 Resp: 748205

Ion Ratio Lower Upper

152 100

115 54.9 27.2 81.6

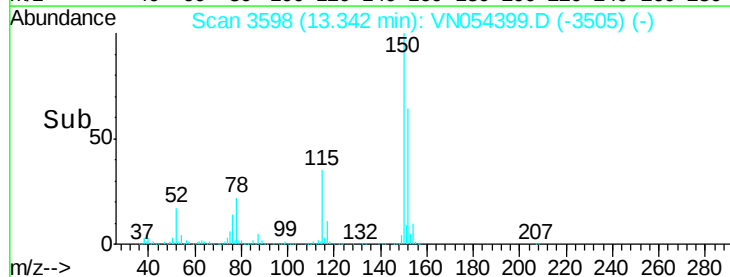
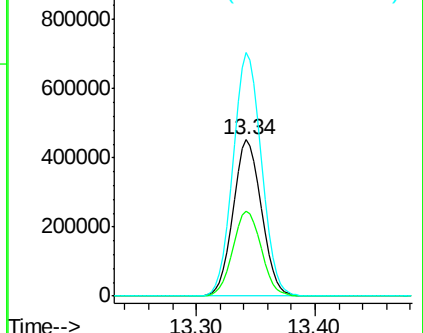
150 156.1 0.0 349.2

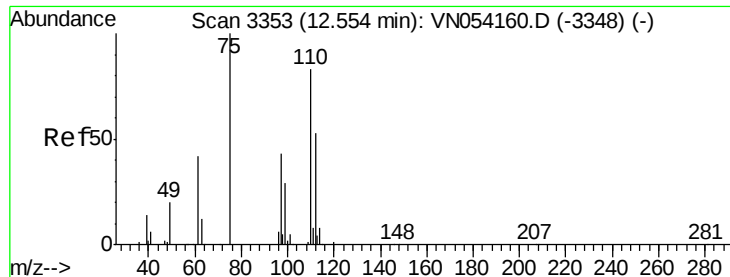


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.383 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

Instrument :

MSVOA_N

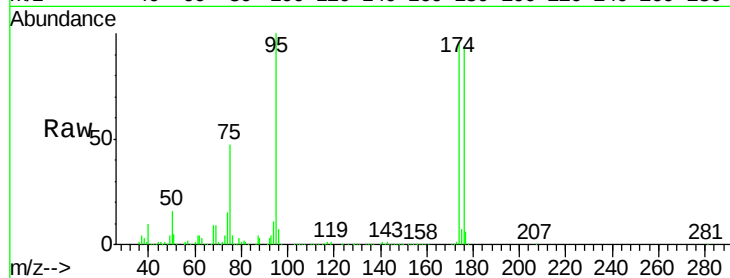
ClientSampled :

Tot Ion: 75 Resp: 411309

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

12.40

250000

200000

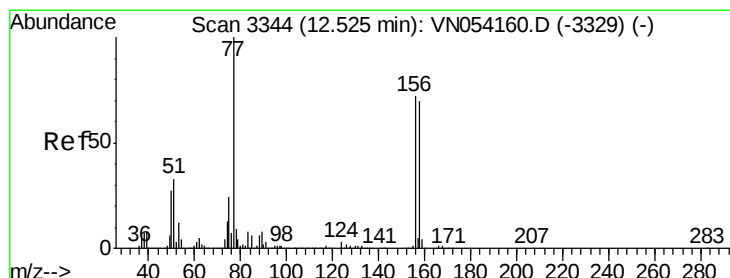
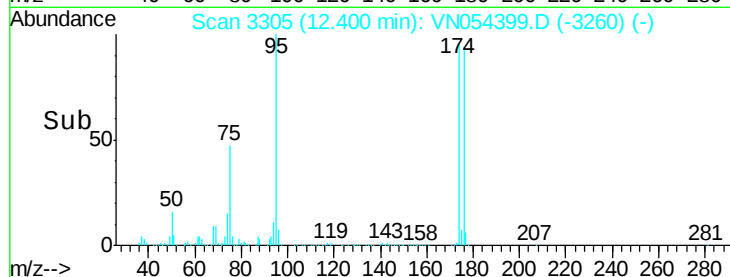
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: 1.115 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.03 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

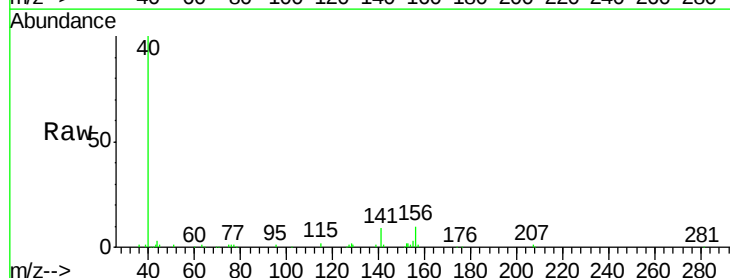
Tgt Ion: 156 Resp: 17663

Ion Ratio Lower Upper

156 100

77 0.8 81.5 244.4#

158 0.0 49.0 147.2#



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

12.55

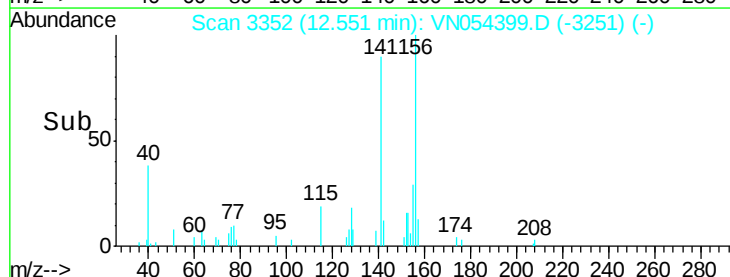
6000

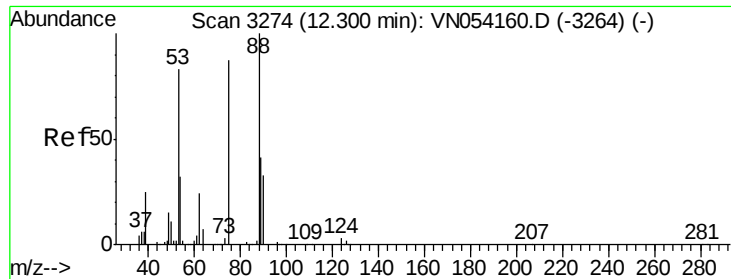
4000

2000

0

Time--> 12.40 12.50





#81

trans-1,4-Dichloro-2-butene

Concen: 127.790 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

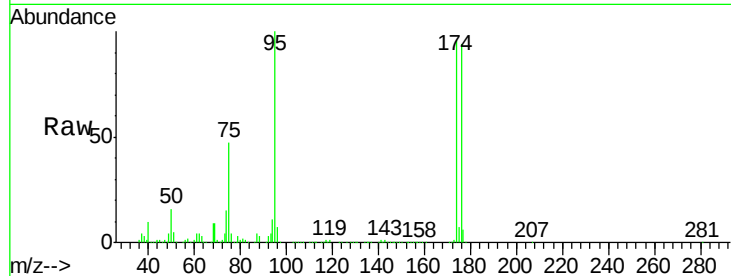
Tot Ion: 75 Resp: 411309

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

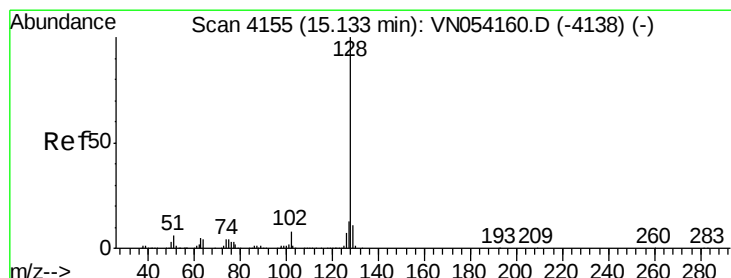
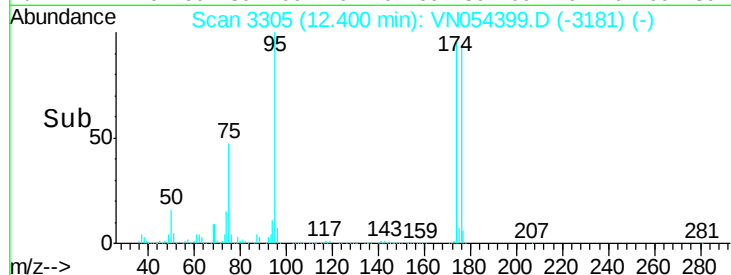
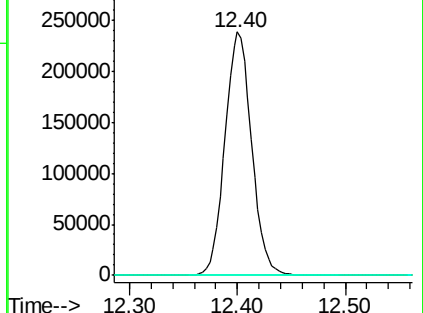
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054399.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN054399.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN054399.D (-3181) (-)



#95

Naphthalene

Concen: 3.527 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN054399.D

Acq: 18 Mar 2019 17:38

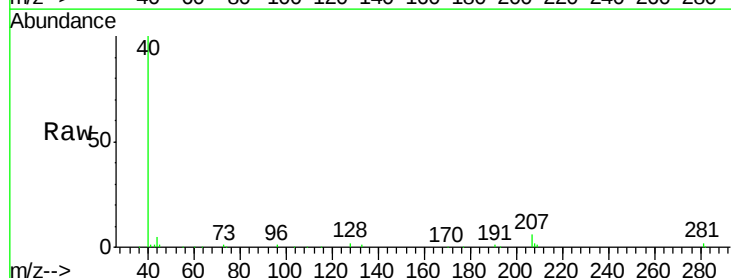
Tgt Ion: 128 Resp: 2027

Ion Ratio Lower Upper

128 100

127 11.6 10.1 15.1

129 3.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN054399.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN054399.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN054399.D (-4062) (-)

