

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027183.D
 Acq On : 16 Sep 2015 1:11
 Operator : MD\FY
 Sample : G3629-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-TB-2015-05

Quant Time: Sep 16 03:48:27 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	806584	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1441728	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1197047	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	419038	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) 1,2-Dichloroethane-d4	8.12	65	796541	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.40%		
36) Dibromofluoromethane	7.68	113	519354	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.94%		
51) Toluene-d8	10.19	98	2091506	53.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.90%		
63) 4-Bromofluorobenzene	12.52	95	702213	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.12%		

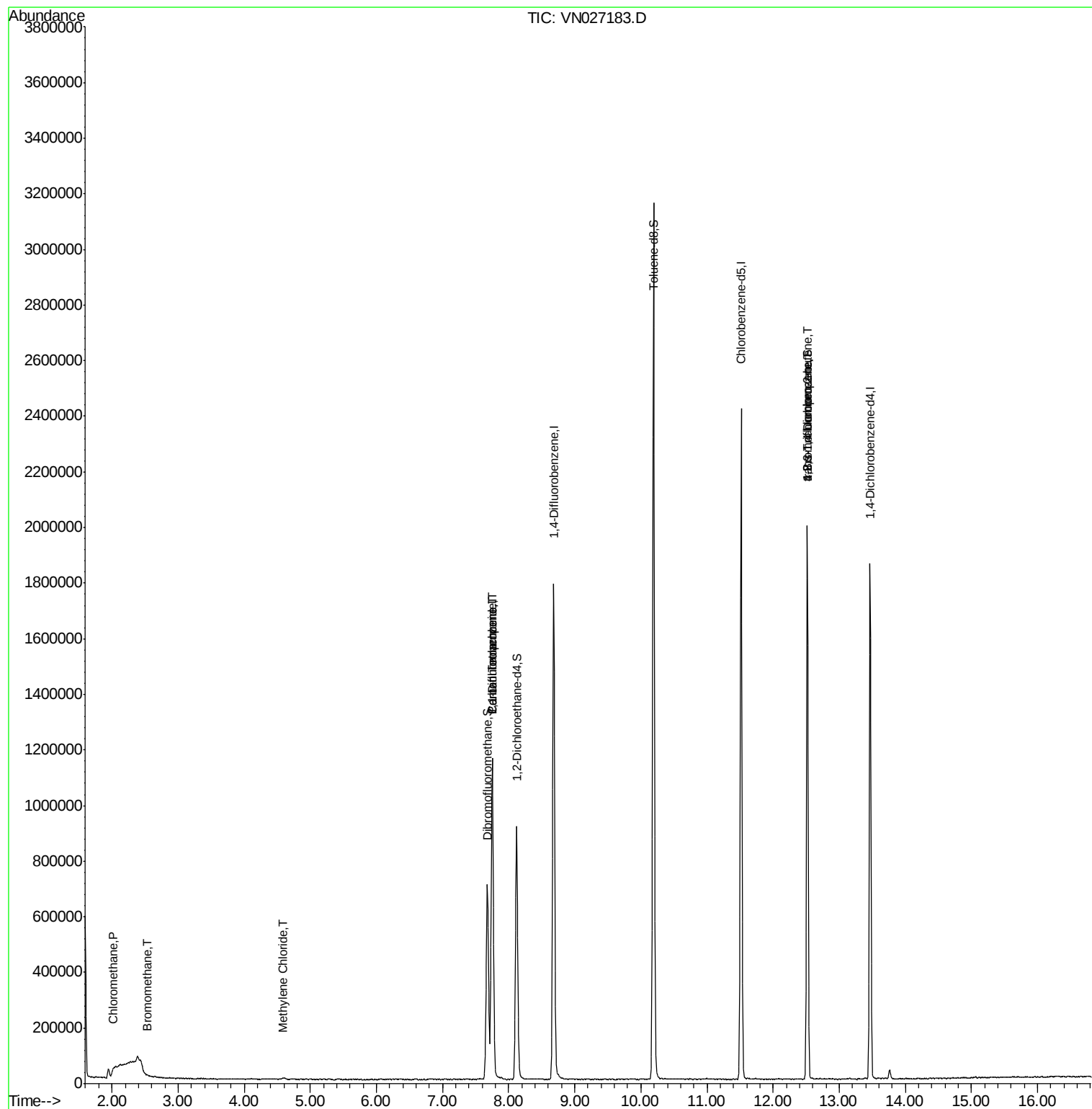
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	2708	1.35	ug/l #	74
6) Bromomethane	2.55	94	580	1.70	ug/l #	45
21) Methylene Chloride	4.59	84	4836	0.39	ug/l #	78
37) 1,1-Dichloropropene	7.76	75	84434	5.00	ug/l #	51
38) Ethyl Acetate	7.02	43	256	Below Cal	#	1
39) Carbon Tetrachloride	7.75	117	91917	5.79	ug/l #	16
76) 1,1,2,2-Tetrachloroethane	12.60	83	147	Below Cal	#	81
77) 1,2,3-Trichloropropane	12.52	75	396208	31.29	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	396208	76.85	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.39	75	30	Below Cal	#	9

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

Instrument :

MSVOA_N

ClientSampleId :

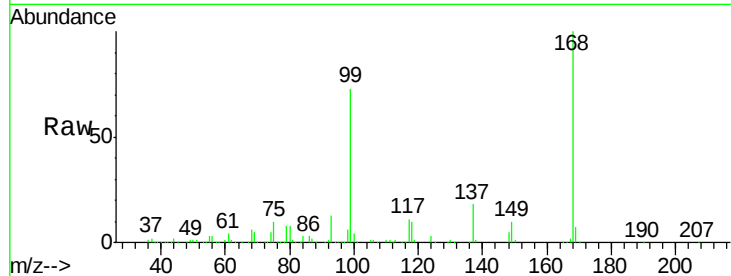
S39-TB-2015-05

Tot Ion:168 Resp: 806584

Ion Ratio Lower Upper

168 100

99 73.0 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.75

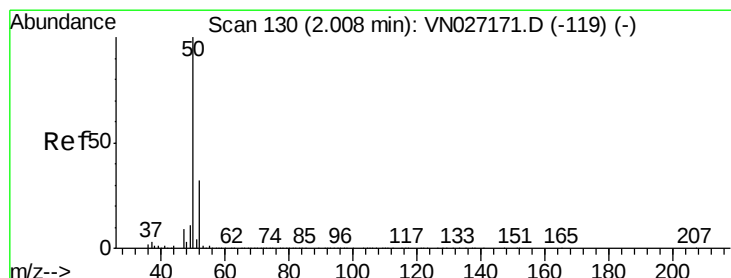
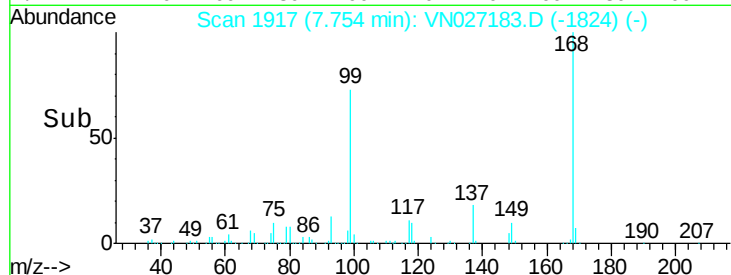
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.35 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027183.D

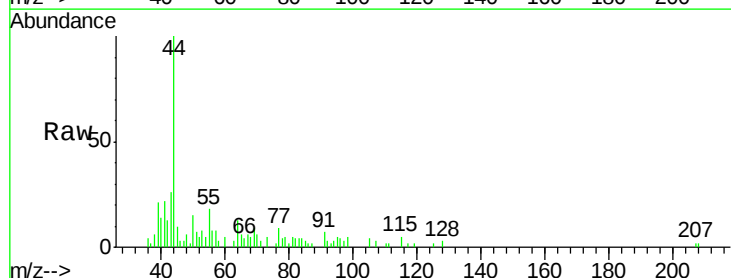
Acq: 16 Sep 2015 1:11

Tgt Ion: 50 Resp: 2708

Ion Ratio Lower Upper

50 100

52 17.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.01

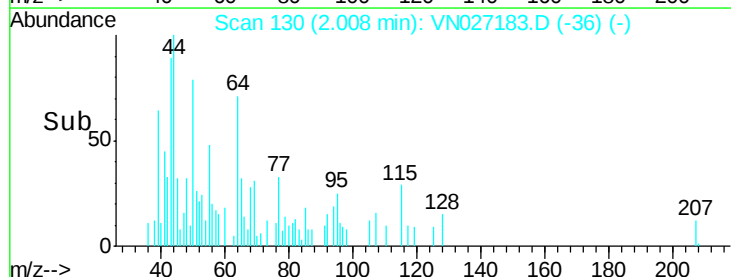
1500

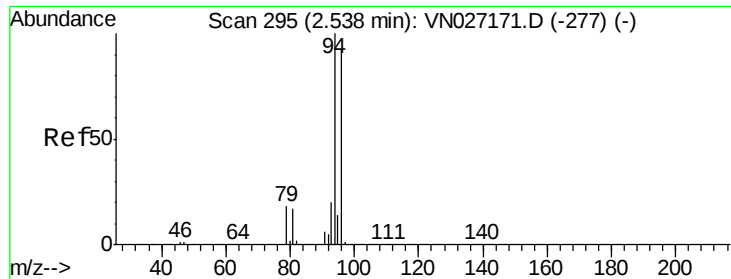
1000

500

0

Time-->





#6

Bromomethane

Concen: 1.70 ug/l

RT: 2.55 min Scan# 298

Delta R.T. 0.01 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

Instrument :

MSVOA_N

ClientSampleId :

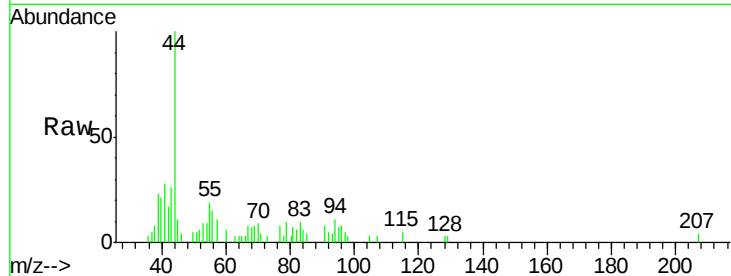
S39-TB-2015-05

Tot Ion: 94 Resp: 580

Ion Ratio Lower Upper

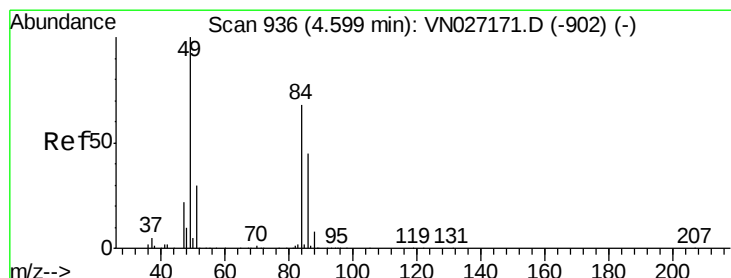
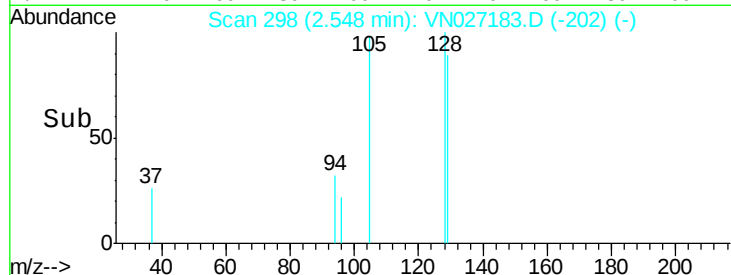
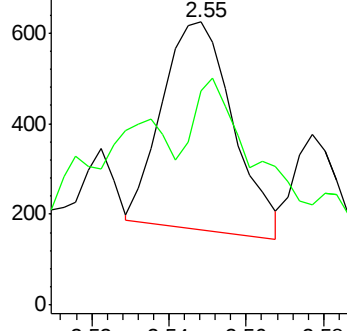
94 100

96 39.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#21

Methylene Chloride

Concen: 0.39 ug/l

RT: 4.59 min Scan# 934

Delta R.T. -0.01 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

Tgt Ion: 84 Resp: 4836

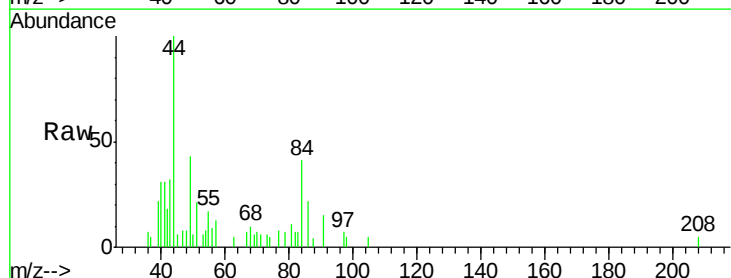
Ion Ratio Lower Upper

84 100

49 103.5 112.3 168.5#

51 34.0 33.8 50.8

86 54.0 48.2 72.4

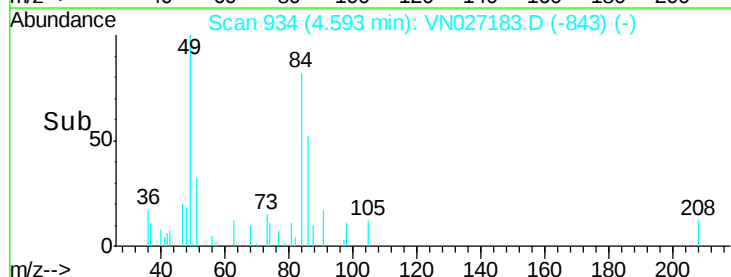
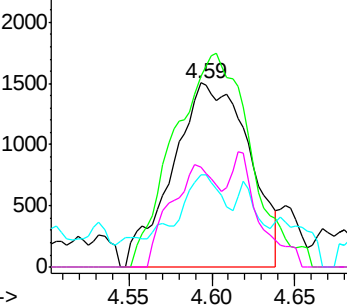


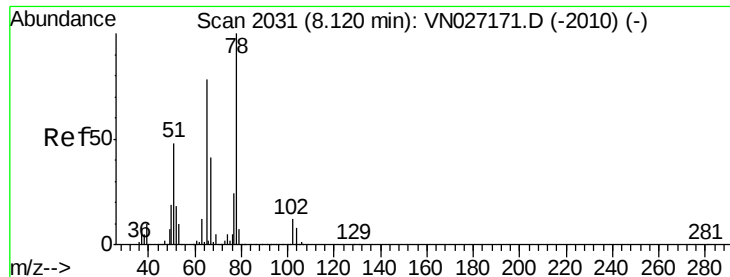
Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC





#34

1,2-Dichloroethane-d4

Concen: 48.20 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

Instrument :

MSVOA_N

ClientSampleId :

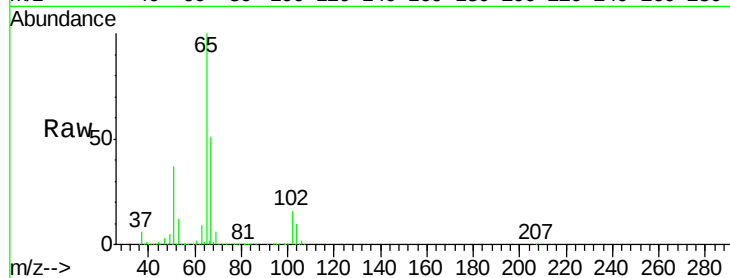
S39-TB-2015-05

Tot Ion: 65 Resp: 796541

Ion Ratio Lower Upper

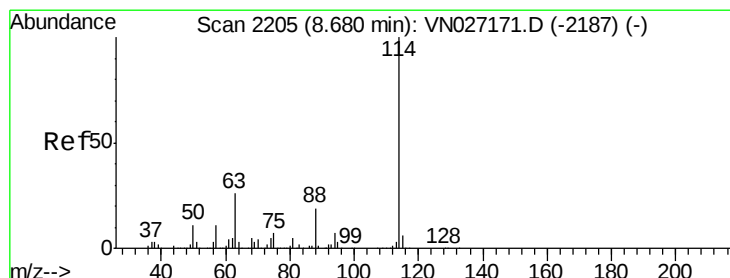
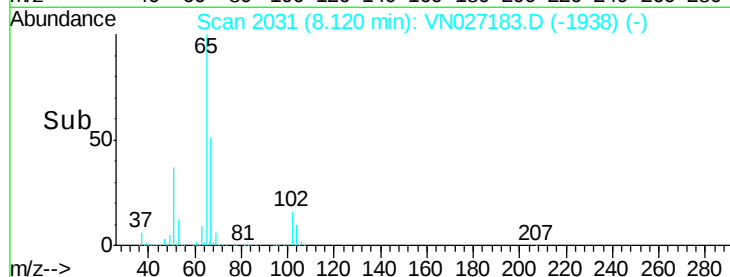
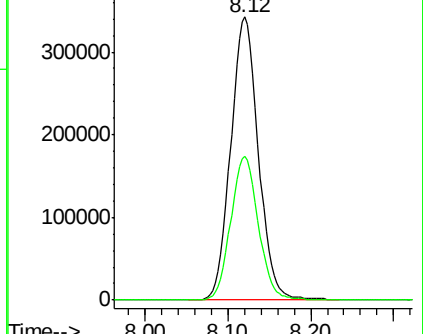
65 100

67 50.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VN027183.D (-1938) (-)

Ion 66.90 (66.60 to 67.60): VN027183.D (-1938) (-)



#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

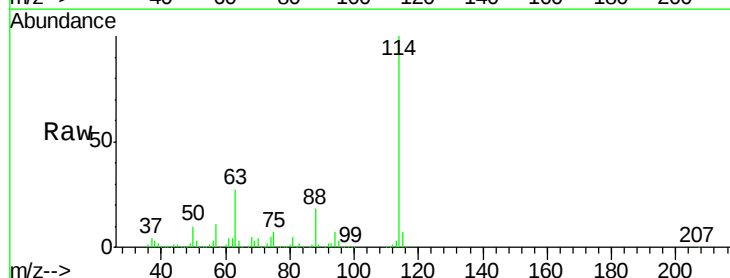
Tgt Ion: 114 Resp: 1441728

Ion Ratio Lower Upper

114 100

63 26.5 0.0 48.8

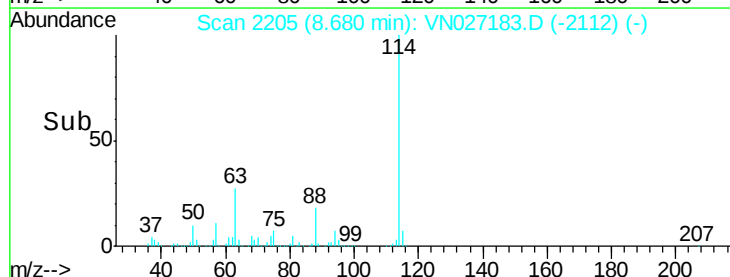
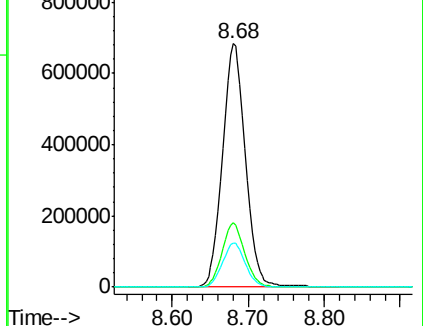
88 18.2 0.0 32.2

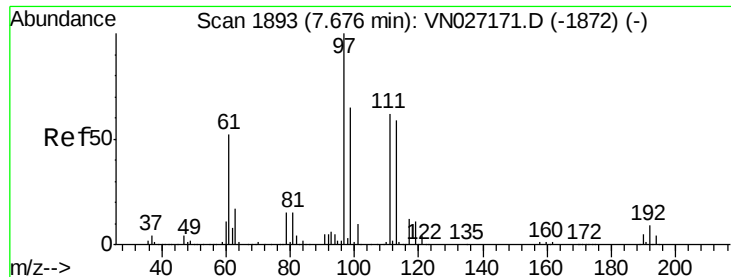


Abundance Ion 113.90 (113.60 to 114.60): VN027183.D (-2112) (-)

Ion 63.00 (62.70 to 63.70): VN027183.D (-2112) (-)

Ion 87.90 (87.60 to 88.60): VN027183.D (-2112) (-)





#36

Dibromofluoromethane

Concen: 51.97 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2015-05

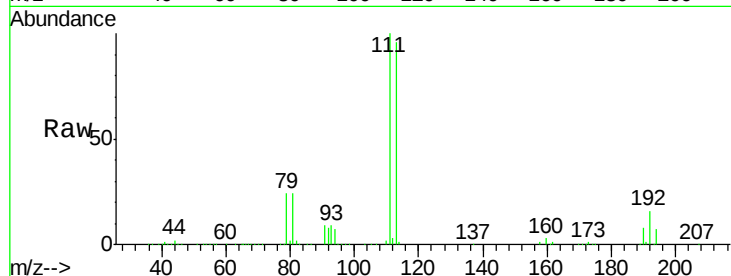
Tot Ion:113 Resp: 519354

Ion Ratio Lower Upper

113 100

111 105.4 83.0 124.4

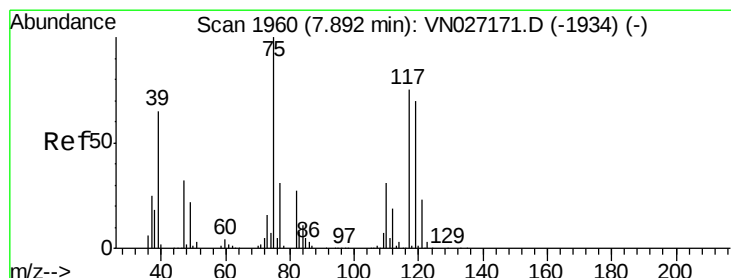
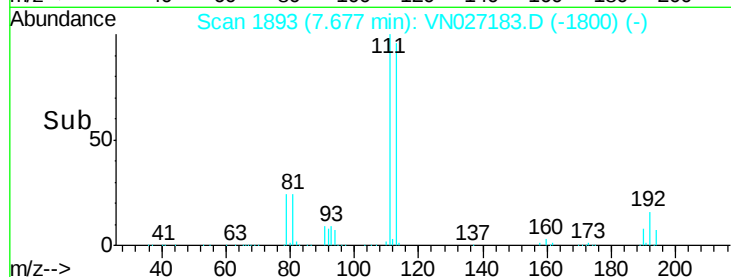
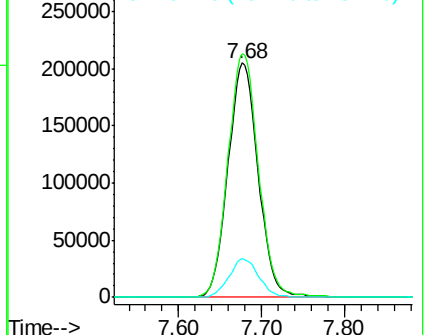
192 16.3 14.1 21.1



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



#37

1,1-Dichloropropene

Concen: 5.00 ug/l

RT: 7.76 min Scan# 1918

Delta R.T. -0.13 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

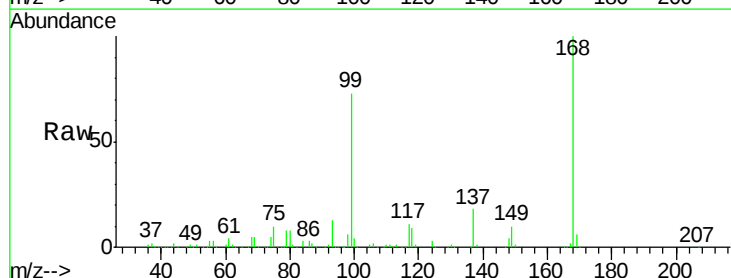
Tgt Ion: 75 Resp: 84434

Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.7#

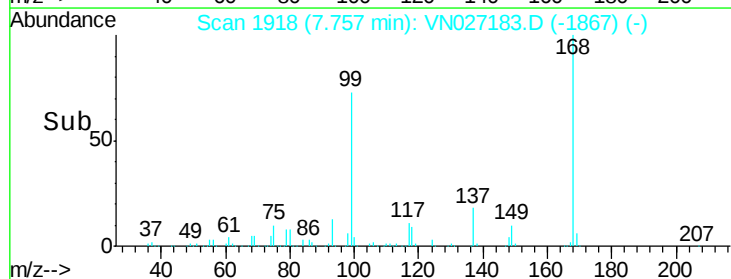
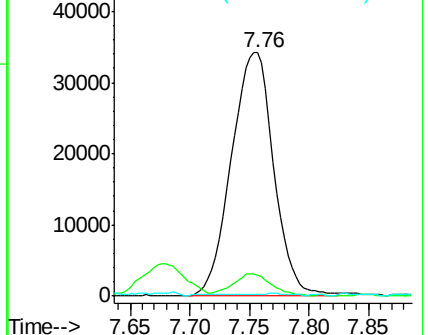
77 0.1 24.9 37.3#

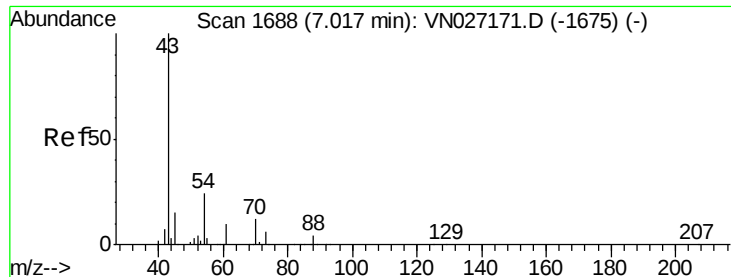


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

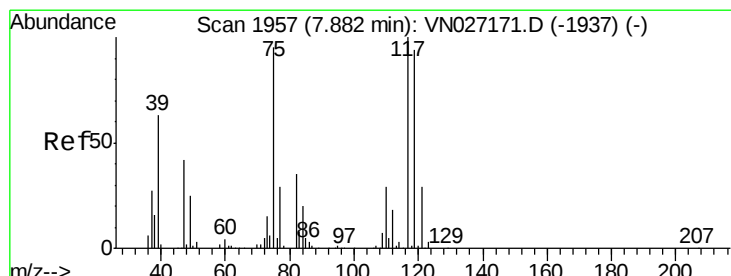
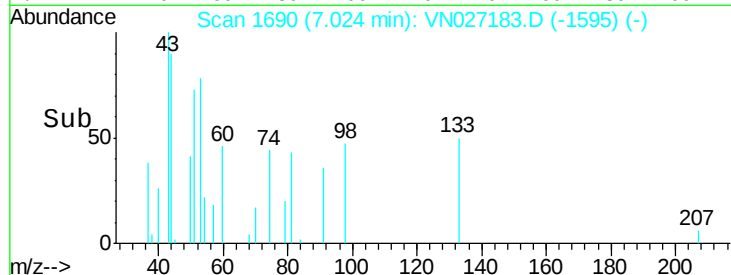
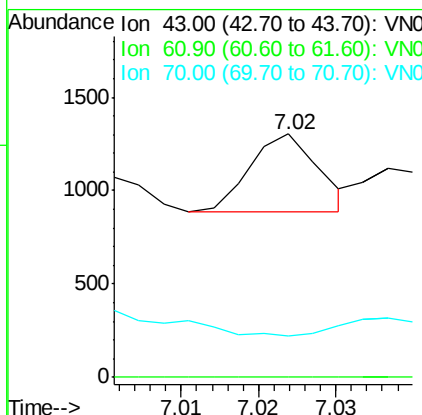
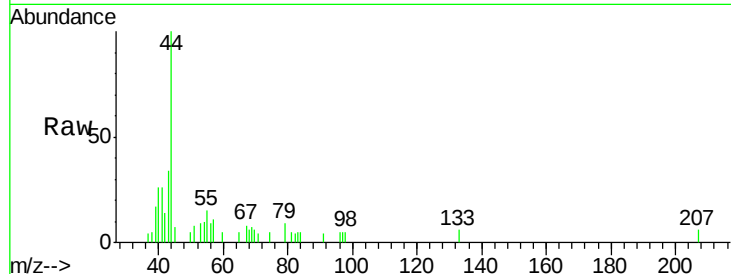




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.02 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN027183.D
Acq: 16 Sep 2015 1:11

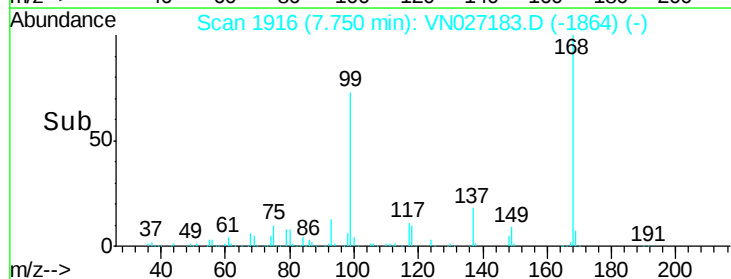
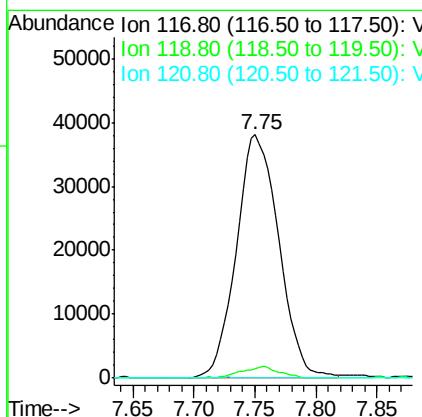
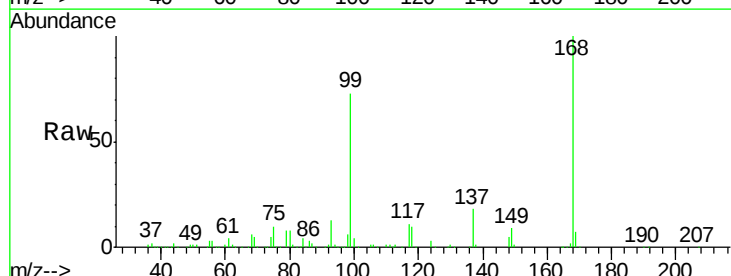
Instrument :
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S39-TB-2015-05

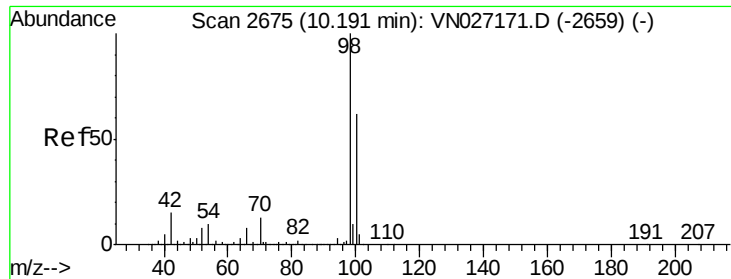
Tot Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 126.6 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.79 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027183.D
Acq: 16 Sep 2015 1:11

Tgt Ion: 117 Resp: 91917
Ion Ratio Lower Upper
117 100
119 3.9 75.3 112.9#
121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 53.45 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

Instrument :

MSVOA_N

ClientSampleId :

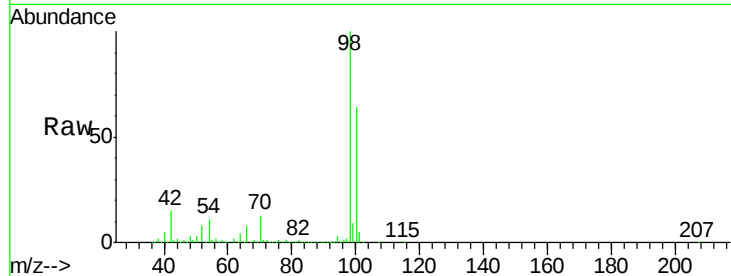
S39-TB-2015-05

Tot Ion: 98 Resp: 2091506

Ion Ratio Lower Upper

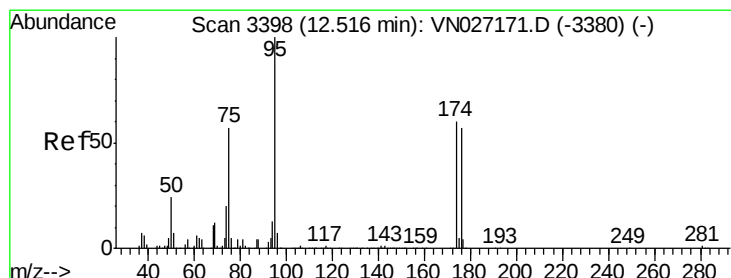
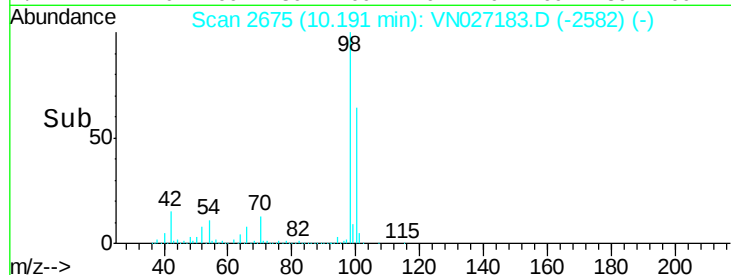
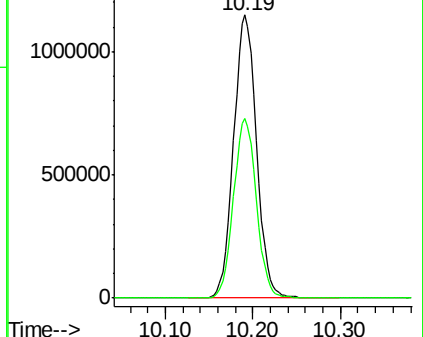
98 100

100 63.2 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#63

4-Bromofluorobenzene

Concen: 50.56 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

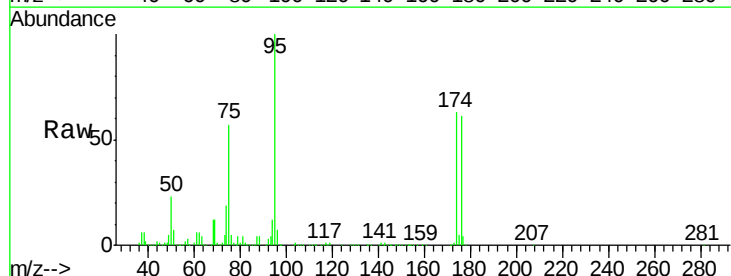
Tgt Ion: 95 Resp: 702213

Ion Ratio Lower Upper

95 100

174 61.3 0.0 137.0

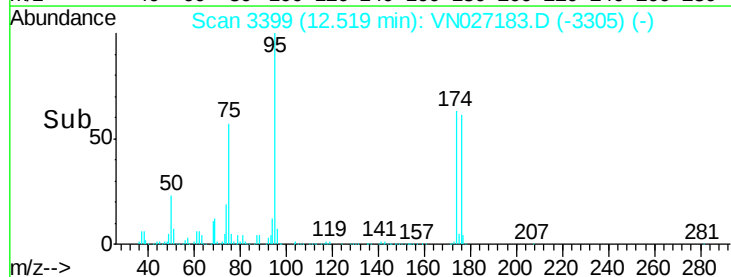
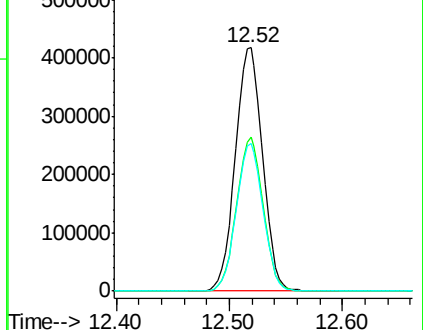
176 59.5 0.0 130.8

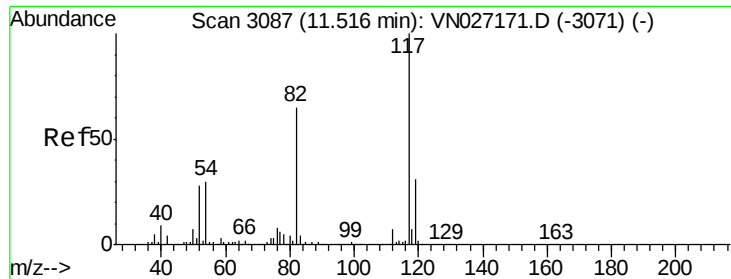


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

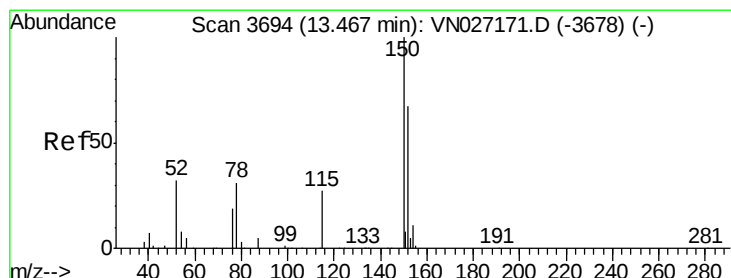
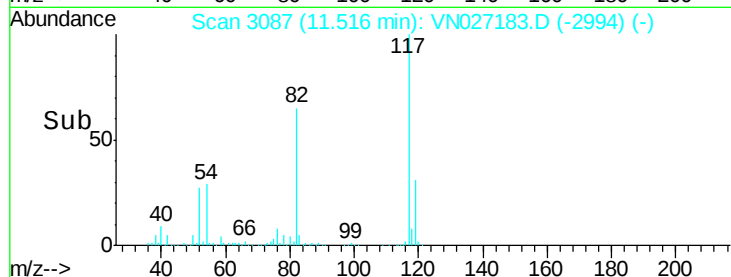
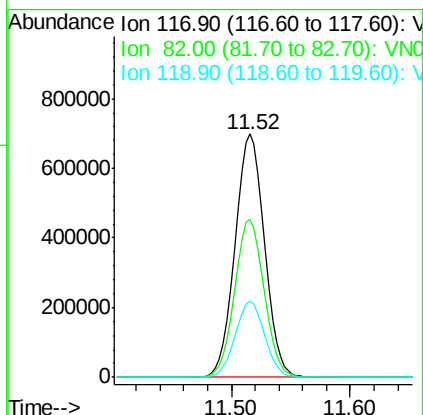
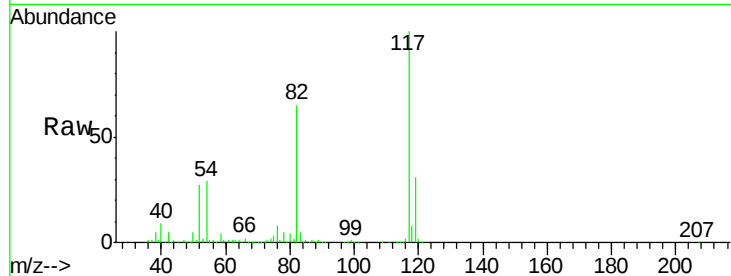




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027183.D
Acq: 16 Sep 2015 1:11

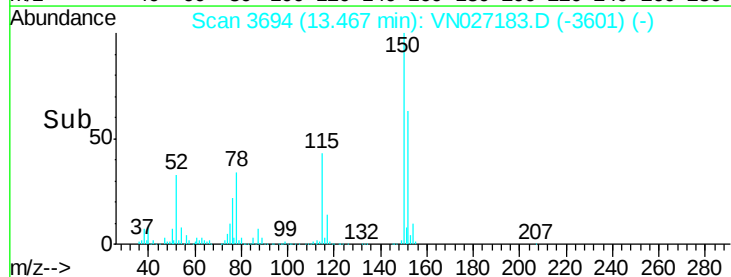
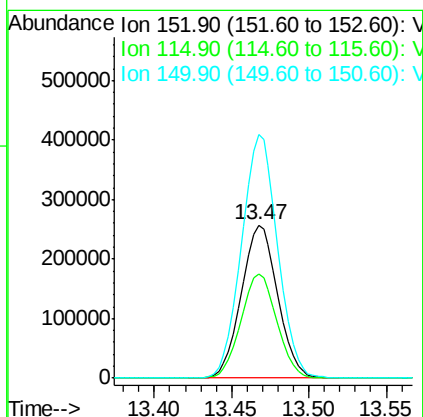
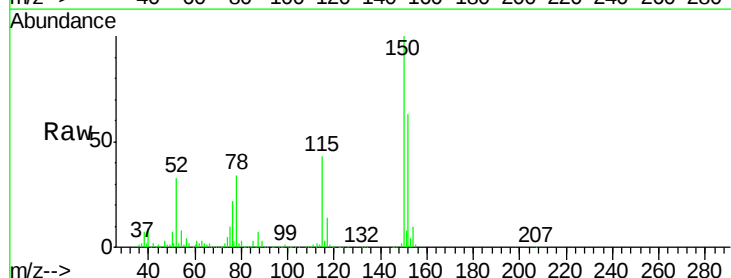
Instrument :
MSVOA_N
ClientSampleId :
S39-TB-2015-05

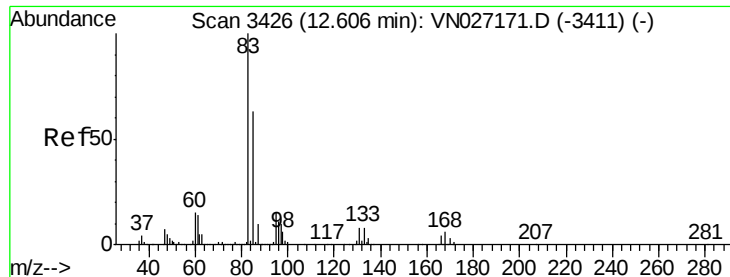
Tot Ion:117 Resp: 1197047
Ion Ratio Lower Upper
117 100
82 65.0 49.6 74.4
119 31.2 24.6 36.8



#73
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.47 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN027183.D
Acq: 16 Sep 2015 1:11

Tgt Ion:152 Resp: 419038
Ion Ratio Lower Upper
152 100
115 67.5 30.8 92.3
150 158.4 0.0 345.0





#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.60 min Scan# 3424

Delta R.T. -0.01 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2015-05

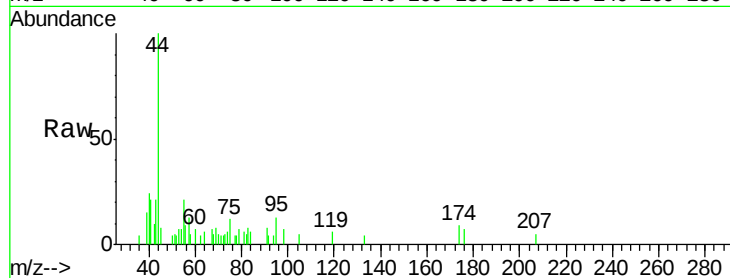
Tot Ion: 83 Resp: 147

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

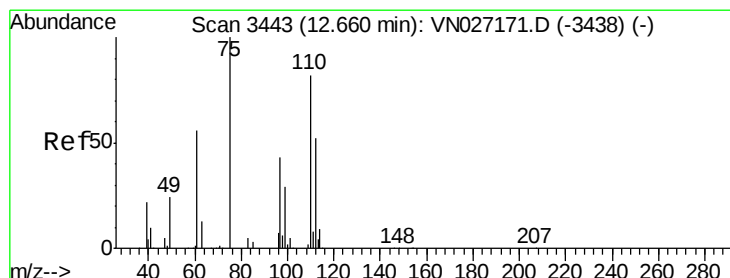
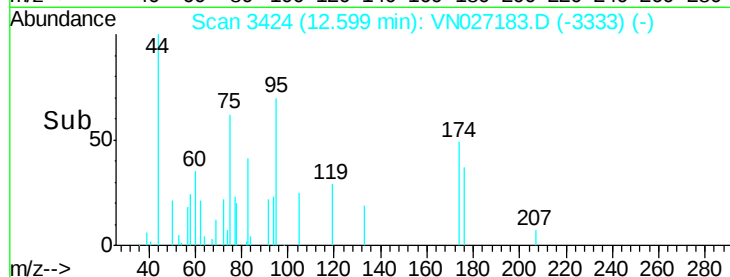
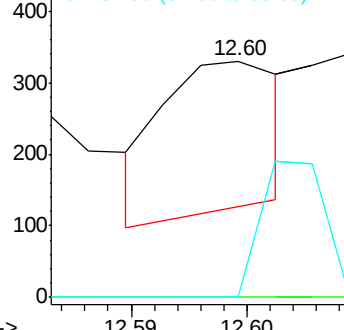
85 49.7 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#77

1,2,3-Trichloropropane

Concen: 31.29 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027183.D

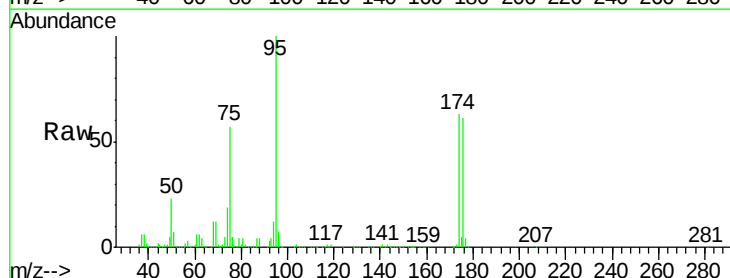
Acq: 16 Sep 2015 1:11

Tgt Ion: 75 Resp: 396208

Ion Ratio Lower Upper

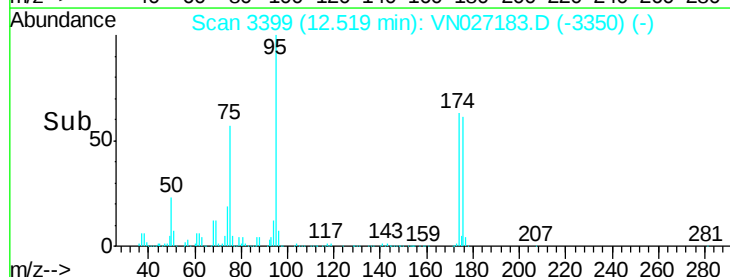
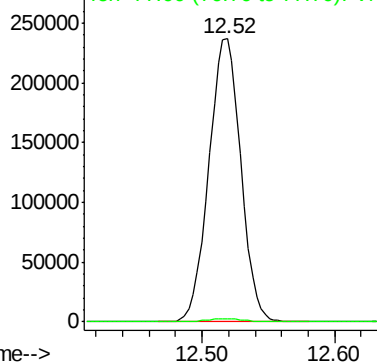
75 100

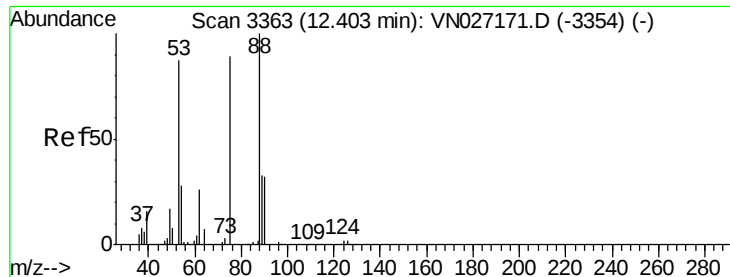
77 1.3 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#82

trans-1,4-Dichloro-2-butene

Concen: 76.85 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2015-05

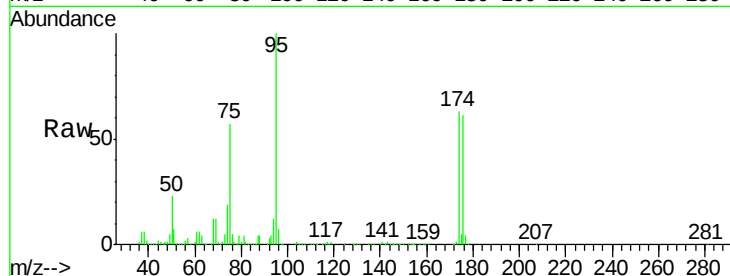
Tot Ion: 75 Resp: 396208

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

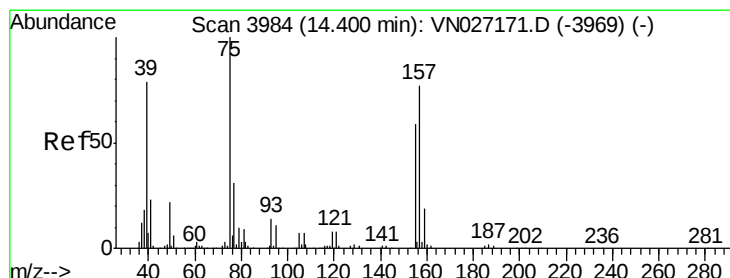
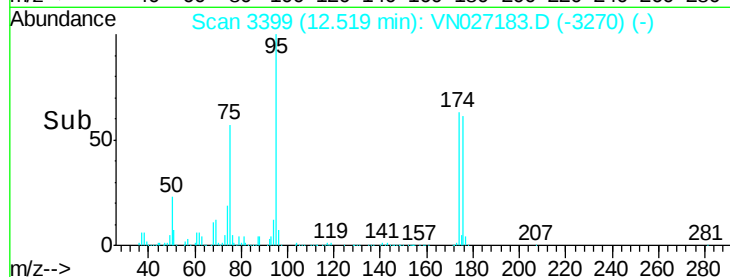
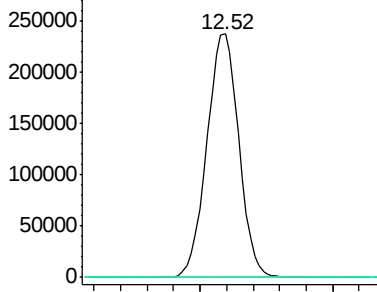
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.39 min Scan# 3982

Delta R.T. -0.01 min

Lab File: VN027183.D

Acq: 16 Sep 2015 1:11

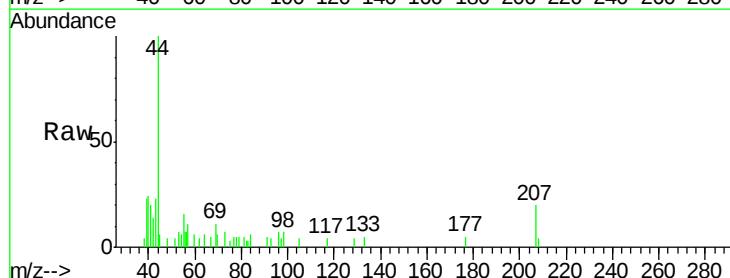
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.9#

157 0.0 44.6 133.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

